



**DOVOZCE A DISTRIBUTOR SPECIÁLNÍHO NÁŘADÍ**

**firmy**

**EQUALIZER®**

**KATALOG**

**2006**

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# We just moved into your neighborhood!



In October 2004, we began implementing our Equalizer® Store program to our Authorized Distributor Network. The program response continues to be a phenomenal success and we'd like to thank everyone who got on board with this concept and put an Equalizer® Store in their location.

What does this mean to you? Just that you can get over 100 different Equalizer® products right now by visiting your local Equalizer® Store! Just find your state in the list on the next page and locate your city. Your Equalizer® Store will be located right inside your local glass warehouse. You can't miss it, it's the big red display and, in most cases, you can choose from multiple locations in your area to pick up the tools you need to get the job done.\*



\* Products that are available at the Equalizer® Store are indicated in this catalog by the above symbol.

Technology is a great thing and you can probably tell by our quality products and catalogs that we put the technologies of today to good use. However, there are several new technologies you will never see used here at Equalizer®.

**First**, there will always be a LIVE PERSON to answer the telephone, not a recorded voice.

**Second**, we will always ship your order the same day if you call before 3:30pm Central Standard Time or Texas time as we like to call it.

**Third**, we will never fall victim to just-in-time delivery. Why? Because just-in-time delivery is usually just-too-late!

With over 700 of our most popular products in stock and over 2000 total items (including parts) we still ship a remarkable 99.9% of our orders complete -every day-day after day. Is 99.9% good enough? No. We strive for 100% and will continue to deliver the ultimate customer service experience for you every day here at Equalizer®.

**Spencer Srensky**  
Technical Advisor

**Emily Smallwood**  
Publication Specialist

**Conny Branham**  
Customer Service Manager

**Dan Reilly**  
General Manager

**Shauna Davis**  
Marketing Specialist

**Gilbert Gutierrez**  
Senior Technical Advisor

**Eric Asbery**  
Vice President

**Ray Asbery**  
President



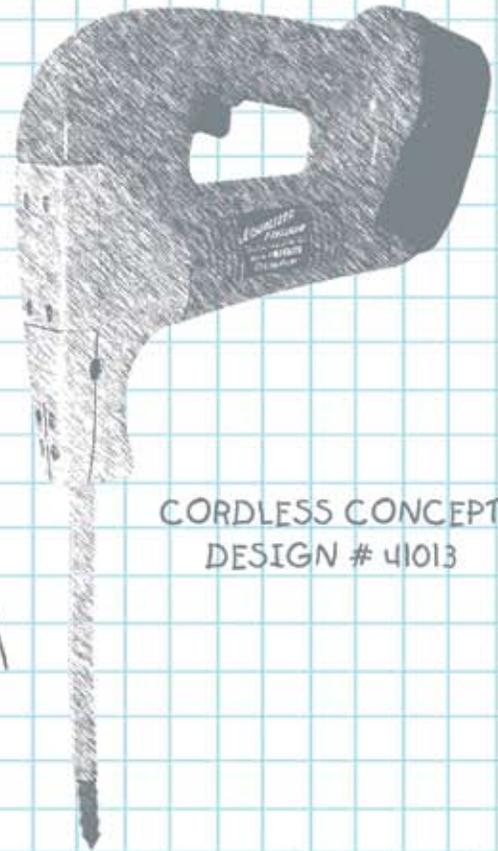


# Equalizer®

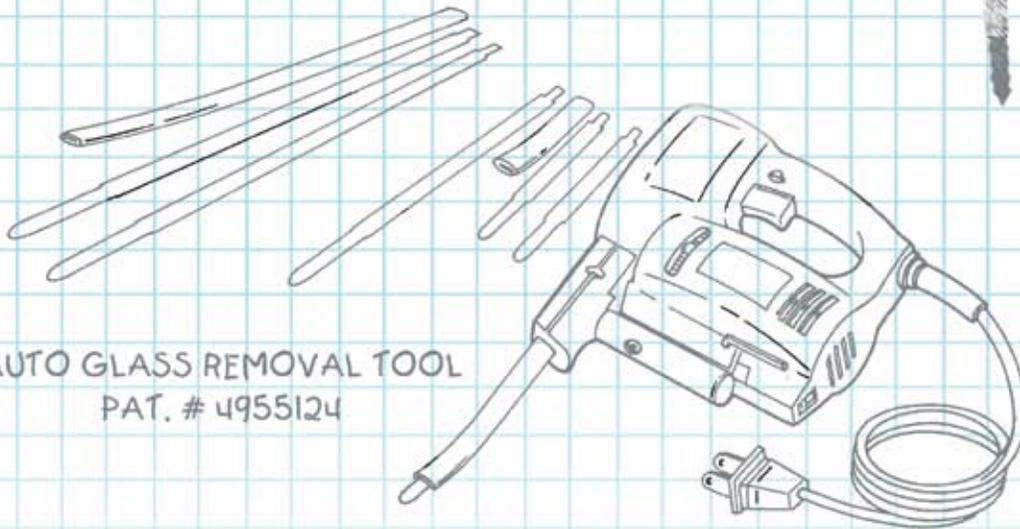
AUTO GLASS TOOLS DESIGNED BY AUTO GLASS TECHNICIANS™

**NOW OPEN,  
NEAR YOU.**





CORDLESS CONCEPT  
DESIGN # 41013



AUTO GLASS REMOVAL TOOL  
PAT. # 4955124

## PROJECT: INVENTION



### Invent Something?

Have you invented or developed an original tool or idea that you feel others may benefit from? Equalizer Industries, Inc., may be interested in evaluating your idea/invention. Your invention could be produced and sold by Equalizer Industries, Inc., under an attractive award or royalty agreement that will bring you income for years. If you have such an invention and are interested, please follow these two steps:

1. Write or call Equalizer Industries, Inc., and request an invention disclosure agreement.
2. Return the signed agreement to Equalizer Industries, Inc., along with your invention. Equalizer Industries, Inc., will promptly evaluate your invention and notify you if an award or royalty is possible.

# Patents

## Trademarks & Copyrights

### Patents

The Equalizer®, Equalizer® Magnum XP, Equalizer® Freedom, Excalibur®, Equalizer® Blades, Equalizer® sheaths, Tightwire™ Grips, and Wirestarter™ are **patented world-wide** and manufactured under one or more of the following patents, either licensed or owned by Equalizer Industries, Inc.: USA 4955124, 4395825, 4995153, 5123315; Canada 1293116; UK 2212090; Italy 1235142; Australia 610665; France 8814584; Germany 3838044; Netherlands 191382; Denmark 331081; Japan 1780836. Other patents are pending.

### Trademarks

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### Copyrights

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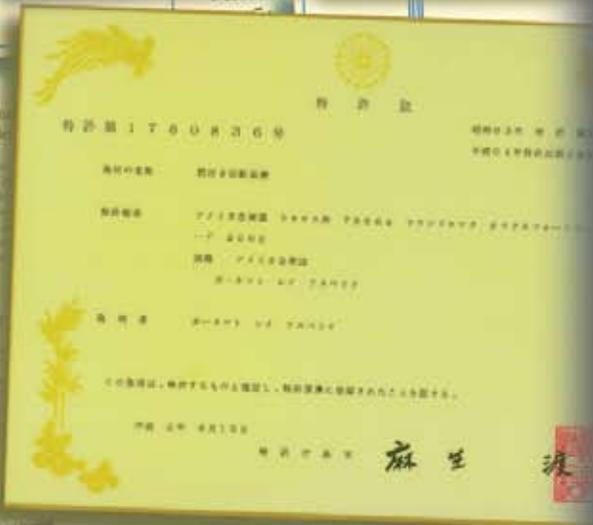
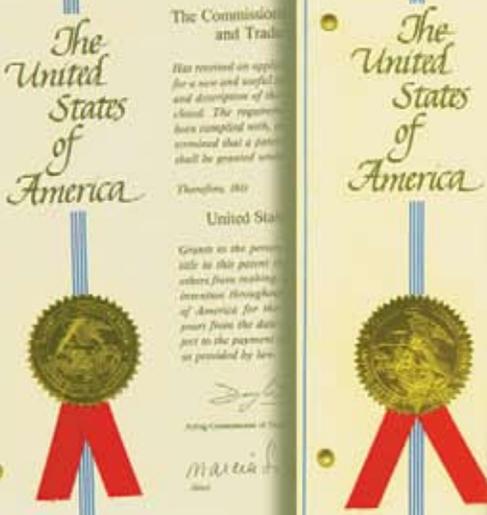
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### Prices

**All prices in this catalog are subject to change without notice.**

**Ray Asbery  
President  
Equalizer Industries, Inc.**





# Equalizer® Magnum XP • 120 or 220 Volt • 1-1/2 Horsepower

The all-new and improved Equalizer® Magnum XP is designed to cut the urethane bonding that holds most modern auto glass in vehicles. This is done by working from inside the vehicle. A .020" thick blade reciprocates inside a metal sheath which protects the dash, garnish mouldings and headliner. The blade is never really exposed because as it leaves the sheath it enters the urethane. You must be able to adjust the blade so it will not hit the pinchweld on the outside of the vehicle. The patented sheath allows you to make this adjustment. The Equalizer® Magnum XP is the most heavy-duty electric tool manufactured by Equalizer Industries. It was designed for the high volume shop or for the person who just wants the best. This tool was designed to cut the extremely wide, tough urethane that most automobile manufacturers are using today. The Equalizer® Magnum XP uses the same patented sheath and blade combination used by all Equalizer® tools. The Equalizer® Magnum XP has a 1-1/2 horsepower motor, ball bearings, counterbalanced drive, and heavy-duty gear system. Made in the USA.



EM415 Standard Kit



Invented By  
Ray Asbery  
See page 4.

## Equalizer® Magnum XP Standard Kit

Equalizer® Magnum XP with one 8" blade and one 8" sheath, one pair of safety glasses and an instructional DVD.

EM415

## Equalizer® Magnum XP Deluxe Kit

Equalizer® Magnum XP with one each 4", 8", and 12" sheaths; two each 4", 8", and 12" blades; one pair of safety glasses, in a foam-lined, plastic carrying case, and an instructional DVD.

EM417



EM417 Deluxe Kit



**ALWAYS LUBRICATE THE CUTTING AREA WHILE USING ANY POWER TOOL.**



See Page 5



GET THIS NOW AT YOUR LOCAL  
**Equalizer**  
STORE

SEE PAGES 2 & 3

## Equalizer® Inverter

Use the battery of your mobile vehicle to power your 120-Volt Equalizer® Magnum XP and your vacuum cleaner.

**1500 Watt Equalizer® Inverter CEM1476**

LT1270 • Hookup Wire 8' Long



# Equalizer® Express® • 120 or 220 Volt • Auto Glass Removal Tool



Today, many mobile technicians install inverters in their vans and have 120-Volt electricity available at the job site. Also, many shops still have one technician that only works inside the shop. For this reason, we are often asked for a 120-Volt version of the Equalizer® Express®. With a 120-Volt tool, you never have to worry about keeping the battery charged. The Equalizer® Express® 120-Volt is powered by a 2-horsepower motor that drives the blade at 2,800 strokes per minute. It does not matter how thick the urethane is; you never need to worry about bogging this tool down. Each kit comes with one BFE1400 blade, one instructional DVD, one pair of safety glasses, and a handy carrying case. Made in the USA.

**SR1418**



**Very Flexible Blade**



Invented By  
Donovan Trana  
See page 4.



See Page 5



GET THIS NOW  
AT YOUR LOCAL  
**Equalizer**  
STORE  
SEE PAGES 2 & 3

## Equalizer® Inverter

Use the battery of your mobile vehicle to power your 120-Volt Equalizer® Express® and your vacuum cleaner.

**1500 Watt Equalizer® Inverter  
CEM1476**

LT1270 • Hookup Wire 8' Long



**ALWAYS LUBRICATE THE  
CUTTING AREA WHILE USING  
ANY POWER TOOL.**



# Equalizer® Freedom • 18 Volt • Battery Powered



The Equalizer® Freedom works from inside of the vehicle to cut the urethane that bonds the glass to the pinchweld. A .020" thick blade reciprocates inside the metal sheath which protects the dash, mouldings and headliner. The blade is never really exposed because as it leaves the sheath it penetrates the urethane. This patented sheath allows you to adjust the blade so it will not hit the pinchweld on the outside of the vehicle. Using the latest in battery and motor technology, the **Equalizer® Freedom has eighteen volts of pure power for the toughest auto glass removal.** Built with input from



hundreds of technicians, it really was designed by Auto Glass

Technicians. A high torque motor drives the blade at 4,000 strokes per minute. The Equalizer® Freedom will remove two or three windshields with one battery charge depending on how difficult the glass is to remove. If you are just cutting the bottom, you can remove up to five glasses per charge depending on difficulty. Blades and sheaths are interchangeable with all other Equalizer® tools. Instructional DVD included. Made in the USA.

See Page 5



**Standard Kit**

### Equalizer® Freedom Standard Kit, 120-Volt Charger

Equalizer® Freedom with a 120-Volt 1-hour charger, one 8" sheath, one 8" blade, one pair of safety glasses.

**EFT116**



Invented By Ray Asbery See page 4.

### Equalizer® Freedom Standard Kit, 12-Volt Charger

Equalizer® Freedom with a 12-Volt automotive 1-hour charger, one 8" sheath, one 8" blade, one pair of safety glasses.

**EFT117**



**Deluxe Kit**

### Equalizer® Freedom Deluxe Kit, 120-Volt Charger

Equalizer® Freedom with a 120-Volt 1-hour charger, one each 4", 8", and 12" sheaths, two each 4", 8", and 12" blades, one pair of safety glasses, in a foam-lined, plastic carrying case.

**ECT113**

### Equalizer® Freedom Deluxe Kit, 12-Volt Charger

Equalizer® Freedom with a 12-Volt automotive 1-hour charger, one each 4", 8", and 12" sheaths, two each 4", 8", and 12" blades, one pair of safety glasses, in a foam-lined, plastic carrying case.

**ECT115**

## Equalizer® Freedom & Express® Batteries & Chargers



**DW9096XR • 18-Volt Battery**



**DW9116 • 120 or 220 Volt, 1-Hour 18-Volt Battery Charger**



**DW9117 • 120 or 220 Volt AC 18-Volt Battery 15-Minute Charger**



**DW9109 • 12-Volt Auto 18-Volt Battery Charger**

**DW0242 • 24-Volt Battery**



**DW0246 • 120 or 220 Volt, 1-Hour 24-Volt Battery Charger**



**DW0249 • 12-Volt Auto 24-Volt Battery Charger**



# Equalizer® Express® • 18 Volt & 24 Volt • Battery Powered



The Equalizer® Express® is designed to cut through the toughest urethane. A heavy-duty 18-Volt motor provides the power to quickly remove the most difficult glass. There is no need to worry about finding an electrical outlet or extension cords. Each kit comes with an 18-Volt battery, a battery charger, one BFE1400 blade, one instructional DVD, one pair of safety glasses, and a handy carrying case. Made in the USA.



Batteries & chargers on previous page



Very Flexible Blade

- DTE1000 • Equalizer® Express® 18 Volt with 120 or 220 Volt charger.
- DTA1007 • Equalizer® Express® 18 Volt with 12-Volt automotive charger.



Invented By  
Donovan Trana  
See page 4.



The Equalizer® Express® is a 24-Volt cordless tool. It has a variable-speed trigger and a high and low speed switch that allows precise control of the cutting actions for different situations. The 24-Volt battery is a long-lasting power source and will allow you to remove several glasses without recharging. If you are a mobile operation, we recommend the version with the 12-Volt automotive charger. After each use, just drop the battery in the charger and recharge it while you are going to the next job, or buy a separate battery and keep one in the charger. Each kit comes with an 24-Volt battery, a battery charger, one BFE1400 blade, one instructional DVD, one pair of safety glasses, and a handy carrying case. Made in the USA.

Batteries & chargers on previous page



Very Flexible Blade

TA1424

- TA1424 • Equalizer® Express® 24 Volt with 120 or 220 Volt charger.
- TB1425 • Equalizer® Express® 24 Volt with 12-Volt automotive charger.



# Excilibur® • Air Powered Auto Glass Removal Tool



See Page 5



Standard Kit

Deluxe Kit

The Excilibur® is a compact, lightweight, air-powered version of the Equalizer®. It is designed to cut the urethane bonding that holds most glass in vehicles. The .020" thick blade reciprocates inside a metal sheath which protects the dash, garnish mouldings and headliner. The blade is never really exposed because as it leaves the sheath it penetrates the urethane. Excilibur® uses the same blades that are used by all Equalizer® tools. Three blade sizes will remove any glass. The sheath also allows you to adjust the blade length to accommodate different urethane widths. With Excilibur®, you can save encapsulated, metal bonded and underseal moulding glass. In the body shop, it can even be used to remove body side mouldings, emblems and SMC panels. Excilibur® has ball bearing construction and runs at 0 to 3,200 strokes per minute. Includes instructional DVD. Made in the USA.

### Excilibur® Standard Kit

Excilibur® with one 8" blade, one 8" sheath, one pair of safety glasses.

**AEB403**



Invented By  
**Ray Asbery**  
See page 4.

### Excilibur® Deluxe Kit

Excilibur® with one each 4", 8", and 12" sheaths, two each 4", 8", and 12" blades and one pair of safety glasses in a foam-lined, plastic carrying case.

**AEB405**



**WARNING!** The Equalizer® Excilibur® sheath does not fit the Equalizer® Express® tool.



**ALWAYS LUBRICATE THE CUTTING AREA WHILE USING ANY POWER TOOL.**

Get accessories for your Excilibur® on page 142.



# Equalizer® Express® • Air Powered Auto Glass Removal Tool



See Page 5

In the auto glass replacement business, time is money and Express® tools are the fastest tools in the world to remove auto glass. Shortly after we introduced the cordless Express®, our customers started asking us for an air-powered version. I am sure you will appreciate the compact size and extreme power of the Express® Air. Designed with a 1-horsepower motor to give it plenty of power to cut the thickest urethane, but compact enough to fit into the smallest opening, Express® Air has ball bearing construction and runs at 0 to 2,800 strokes per minute. Each kit comes with one BFE1400 blade, one pair of safety glasses, one hex key to change the blade, one instructional DVD, and a handy carrying case. Made in the USA.

**SP1416**



**Very Flexible Blade**



Invented By  
Donovan Trana  
See page 4.



**WARNING!** The Equalizer® Express® sheath does not fit the Equalizer® Excalibur® tool.

**Get accessories for your Express® Air on page 142.**



**ALWAYS LUBRICATE THE CUTTING AREA WHILE USING ANY POWER TOOL.**



# Equalizer® Blades & Sheaths

## Equalizer® Blades

These patented blades are made of spring steel and specifically designed for our tools. The serrated style are sharpened with a unique double-serration method. Each serration is also serrated. This sharpening method gives our Equalizer® Blades a smoother and **faster cutting action** than ever before. All Equalizer® Blades have the correct Rockwell hardness so they will not buckle inside the sheath. These blades will fit any Equalizer® tool including the Equalizer® GT, Excalibur®, Equalizer® Magnum, Magnum XP, Thor™, Equalizer® 12V, and the Equalizer® Freedom. Use of any blades other than Equalizer® Blades will damage your tool and void your warranty. Available in 4", 8" and 12" sizes. Made in the USA.



**Serrated Style**

**ESB1312**  
12" Serrated Blade Package of 5

**ESB1308**  
8" Serrated Blade Package of 5

**ESB1304**  
4" Serrated Blade Package of 5



SEE PAGES 2 & 3



Invented By  
Ray Asbery  
See page 4.



**Standard Style**

**EEB797**  
12" Standard Blade Package of 5

**EEB795**  
8" Standard Blade Package of 5

**EEB793**  
4" Standard Blade Package of 5



See Page 5



## Equalizer® Sheaths

The sheath is the unique, patented idea that makes the Equalizer® line of tools work. The sheath is a protective sleeve that surrounds the blade so the blade will not damage the dash or garnish mouldings. Sheaths are available in 4", 8" and 12" sizes. These three sheaths will fit any of the Equalizer® line of tools. To extend the life of the blades and sheaths, use our SCS775 Equalizer® Sheath Cleaner. Made in the USA.

- EES812 " 12" Sheath**
- EES808 " 8" Sheath**
- EES804 " 4" Sheath**



SEE PAGES 2 & 3

**EES812**

**EES808**

**EES804**

# Equalizer® Express® Blades & Sheath



The Equalizer® Express® Blades were developed from daily use on hundreds of different vehicles. The BFE1400 is the most used size and is perfect for slicing through wide bands of urethane. It works well in all places where you plunge cut or angle cut. The BFE1401 and LBE1403 blades are perfect for removing glass that is not broken. Their narrow (1-1/2" wide) blade is more flexible, which puts less stress on the glass.



**BFE1400 • Standard Wide Blade**



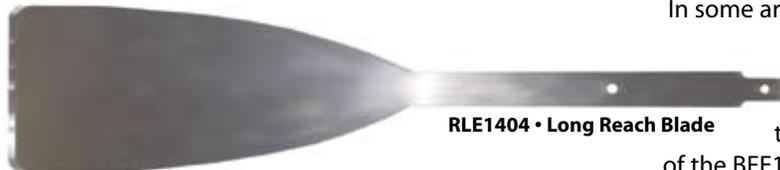
**BFE1401 • Standard Narrow Blade**



**LBE1402 • Long Wide Blade**



**LBE1403 • Long Narrow Blade**



**RLE1404 • Long Reach Blade**

On some vehicles, the urethane is far below the glass, but there is a limited amount of vertical space inside the vehicle. In situations like this, you will need one of the

12" blades (LBE1402 or LBE1403). They perform the same function as the BFE1400 and BFE1401, but are 2" longer. On other vehicles, specifically the Windstar, Transport, Camaro, and Caravan, the urethane is very deep below the dash. This is also true on the Century Class Freightliners and some motor homes. For those vehicles you should keep one of the 14" blades (RLE1404) in your tool box.



In some areas you need to do side-to-side cutting. This is more common around very radical curves in the glass, and in vehicles that have corners with a sharper-than-90° angle. It can be difficult to get all the way up into these corners with a square-end blade, but the round tip of the BFE1420 will reach up into the corner and cut the urethane.



**BFE1420 • Finger Blade**



**BFS1421 • Spacer Blade**

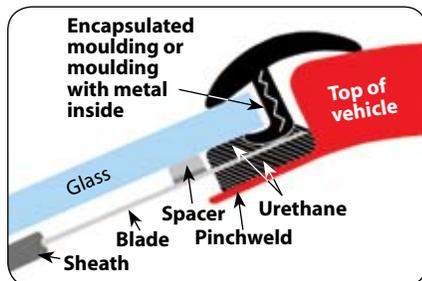
Side view of blade with spacer.



**BFS1422 • Spacer Blade**

Some vehicles such as Ford Windstar, Econoline, Explorer, Ranger, newer Chevy/GMC pickups, and Mazda pickups have a moulding with a piece of metal inside. If you cut into the moulding the metal insert makes it difficult to cut. Also, many encapsulated glasses have a very dense encapsulation material that is difficult to cut. The BFS1421 and BFS1422 are designed to hold the blade below the moulding and prevent the blade from cutting into it. A permanently-attached, self-lubricating nylon spacer lets the blade move easily back and forth while holding the blade under the lower lip of the moulding or encapsulation.

All blades are made of a specially-formulated steel that is hardened and then tempered using a cold molecular-aligning process. This makes the blades very flexible. Each blade will easily remove over 50 windshields when used according to directions. Made in the USA.



- BFE1400 " 3" Wide, 10" Long**
- BFE1401 " 1-1/2" Wide, 10" Long**
- LBE1402 " 3" Wide, 12" Long**
- LBE1403 " 1-1/2" Wide, 12" Long**
- RLE1404 " 3" Wide, 14" Long**
- BFE1420 " Finger Blade, 10" Long**
- BFS1421 " 1-1/2" Wide, 10" Long**
- BFS1422 " 3" Wide, 10" Long**

See Page 5



## Equalizer® Express® Sheath

The sheath is the unique, patented idea that allows the Equalizer® Express® to use a flexible blade and still have the strength to cut the toughest urethane. Express® Blades come in longer and shorter sizes, but there is only one size sheath and it fits all Equalizer® Express® tools. Made in the USA.

**ES1406**





# Equalizer® Tool Accessories



## Equalizer® Cutting Lubricant

Using our lubricant improves cutting action and reduces drag on the Equalizer® Blade. It will not damage the dash or headliner. This lubricant keeps the sheath from overheating and prevents urethane and butyl from adhering to the blade and sheath. Mix at an 8 to 1 ratio (8 parts water to 1 part cutting lubricant) to make 64 ounces of cutting lubricant. Made in the USA.

**ECL784 " 8 oz.**



**Use only when performing a full cut-out method.**



Invented By  
**Ray Asbery**  
See page 4.

**ESC780**

## Sheath Cleaning Container

Urethane and butyl should not be allowed to build up inside the sheath of your Equalizer® tool. This build-up can put excess strain on the drive unit. Our specially designed container holds the three different sizes of Equalizer® sheaths and just enough sheath cleaner to keep them soaking, with no waste of cleaner. This item should be mounted to a secure surface. We recommend using Equalizer® Sheath Cleaner SCS775 with this product (shown below). Crafted with high-quality aluminum. Made in the USA.

**ESC780**

## Equalizer® Sheath Cleaner

A specially formulated cleaning agent to clean urethane and butyl out of sheaths. For best results, remove the sheath and let it soak overnight in sheath cleaner. To conserve sheath cleaner, we recommend using our sheath cleaning container ESC780 (left). Made in the USA.

**SCS775 " 16 oz.**



## SuperSoaker™

Lubricating the cutting blade on any power cut-out tool improves cutting action. This is so universally accepted that every manufacturer of powered auto glass removal tools recommends using a cutting lubricant. No matter what type you use, from water to a special formula like Equalizer® ECL784 Cutting Lubricant, it will extend the life of the tool, blade and sheath. It also reduces heat and vibration. Most technicians use a trigger sprayer to do the job. However, trigger sprayers simply don't put out enough fluid. Over the course of a busy day this can cause fatigue from the hundreds of times you must squeeze the spray trigger. Here's the solution; our 2-1/2 pint SuperSoaker™ holds enough cutting lubricant for an entire day's worth of removals. Unlike other pump sprayers, our SuperSoaker™ produces more pressure with less pumps, so it takes less work to pressurize the tank. The SuperSoaker™ utilizes a thick rubber O-ring that seals effectively. Why is a good seal important? Because you can pump it up and it will stay pumped up for days. The handle incorporates a "lock" position for times when you need to really soak an area. We have tested them all and ours is by far the most rugged and well built!

**POLY2**



**When not in use, push the red safety latch forward to lock the SuperSoaker™. To spray, pull the latch back and pull the trigger. For continuous spraying action, pull the trigger and push the latch forward.**



## TruGrit™

### 12-Volt Bench Grinder

Cutting tools are the most common tools we use in the auto glass business. However, most of us never have a grinder on our mobile vehicle when we need it. Now you can have that grinder with no generator to start and nothing to hook up. Just plug TruGrit™ into the cigarette lighter and you are ready to sharpen cold knife blades, Equalizer® Blades, pinchweld prep tools, anything! Small enough to hold in your hand, but powerful enough that it can be mounted permanently and used like a bench grinder. TruGrit™ has an expandable cord that will reach up to seven feet, and a stone that is larger than the motor so you can grind at any angle from either side of the stone. The 60-grit stone is fine enough to put a smooth, sharp edge on any cutting tool.

**TGO431**

**Small enough to hold in one hand**

### Quickly Sharpens

**Equalizer® Blades  
Cold Knife Blades  
Scraper Blades  
Oscillating Blades  
And Many More!**



### Express® Blade Sharpener Retain the chisel edge on your Express® Blade

Keeping the blade sharp on your Express® tool is very important. To get the best performance, it is important to put a good edge on the blade every time you use your

Express®. Since you do not always have access to a bench grinder, this sharpener will do that quick touch up that brings the blade back to a razor-sharp edge. You can sharpen the blade in about 10 seconds by dragging the sharpener across the blade 3 or 4 times. All off-the-shelf sharpeners will put a V-type edge on the blade and this type of sharpening can prevent the tool from working properly. Our Express® Blade Sharpener puts the chisel-type edge on the blade and keeps your Express® operating at peak performance. It also features a built-in protector to keep you from cutting your hand on the blade.

**SFE329**



**Fine**



**Coarse**

### Diamond Files

Did you ever wish you had a file that would not wear out? These files come as close as anything you will ever own. They are made of monocrystalline diamonds and their strong, single-crystal structure does not break apart with use. If you want to use a lubricant, use only water. To clean them just scrub with a bristle brush and dishwashing soap. The **red** file is **fine** and will put a razor edge on your cutting tools. The **blue** file is **coarse** and will sharpen blades like a normal file. Total length is

7" long and the file area measures 2-1/2" long. They take up very little room in your toolbox. I would suggest buying both so you can put a quick edge on your cutting tools with the **blue** file and then use the **red** file to make a razor-sharp edge.

**LTR274 "Fine "**

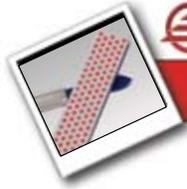
**LTB275 "Coarse "**

### Sharpening Stone

This sharpening stone is designed to keep your hand away from the item being sharpened. Great for sharpening Equalizer® Blades, cold knife blades, or any other blade you want to put a razor-sharp edge on.

**SHS792**





## Sharpening Tools

### 12-Volt Sharpening Tool

*It can also be used as a glass drill.*

Put a drum sander in this tool and you are ready to sharpen Equalizer® Blades, Express® Blades, oscillating blades, cold knife blades, and pinchweld prep tools. With this tool you can sharpen any of your cutting blades. You never need to worry about your battery being dead because it plugs into your cigarette lighter or power point. It is also great for drilling holes in glass with a carbide bit when you are repairing a windshield. Because it has a drill chuck and not a collet, it will hold the smallest drill bit or grinder shank all the way up to 1/8". Therefore, you can use any of the popular grinding wheels, cut-off wheels or grinding attachments available at hardware stores.

**RSR941**



### Drum Sander & Abrasive Cylinders

Our Drum Sander is an expandable rubber cylinder mounted on an 1/8" shank. An aluminum oxide abrasive cylinder is slipped over the rubber cylinder and the screw is tightened to expand the rubber so it will hold the cylinder in place. To replace the abrasive cylinder, loosen the screw, slide the old cylinder off, slide a new one on, and tighten the screw. Comes with one abrasive cylinder.

**DDS267 " Drum Sander With Abrasive Cylinders**

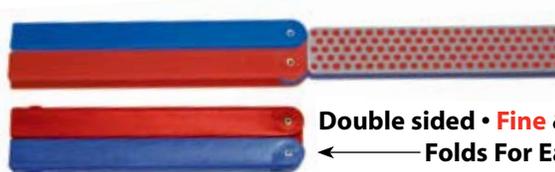
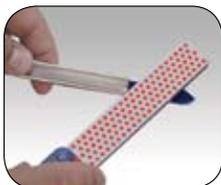
**DDS268 " Package Of 6 Abrasive Cylinders**



DDS267 Drum Sander



DDS268 Abrasive Cylinders



### Diamond File/Whetstone

Most technicians carry a file to sharpen cold knife blades, prep tools and other blades, but most of these are almost as hard as a file. Our Diamond File/Whetstone is harder than cubic boron nitrate, which is three times as hard as a normal file. For this reason it will sharpen your blades and prep tools for years. It is made of monocrystalline diamonds which have a strong crystal structure that does not break apart with use. It has a "sea of diamonds" bonded in nickel and then bonded to steel. Recessed dots provide chip clearance to prevent loading and help speed sharpening. Conveniently color-coded **blue** for **coarse** (about as coarse as a normal file) and **red** for **fine** (so you can put a razor edge on what you are sharpening). It has a convenient handle that folds up around the sharpening area to keep it clean and new.

**BI1038 " Fine and Coarse**

#### Quickly Sharpens

**Equalizer® Blades  
Cold Knife Blades  
Scraper Blades  
Oscillating Blades  
And Many More!**

### 8" Mill File

No tool box is complete without a file. Many people use a file to sharpen cold knife blades, but that is just one of its many uses. You'll always encounter things that don't quite fit and sometimes just a couple of strokes with a file will solve the problem. Incidentally, here is some file etiquette learned from a gunsmith. Never let one file lay against another file, it will dull both files. If you are filing a soft metal such as aluminum, keep a piece of chalk in your tool box and rub the file first with the chalk. This will prevent the aluminum from sticking in the file teeth.

**CF1061**



# Suction Cup Solutions



**Don't cut the stops off!**



**Don't forget to get the deductible!**



## SucksToForget®

The name says it all. Anytime you are working on a vehicle there are many things you do not want to forget. For example, do not cut the stops off, remember to unhook the antenna or "...get the deductible." Forgetting means you must make a return trip or worse, it may mean you have damaged some part of the vehicle. SucksToForget® are two small vacuum cups with a bright-red, highly-visible handle that you cannot ignore if they are in your line of vision. Stick one on anything you want for an instant reminder. Remember, it SucksToForget®.



**Invented By Mark Pinkstaff**  
See page 4.

### DFM288 "Set of 2



**Invented By Temoc Reynosa**  
See page 4.



## TightSpot™

Some places, such as parking garages and small parking lots, have vehicles parked close together and it is not always possible to move them to another place. When this happens, you need a set of TightSpots™. They are made of dense foam rubber on one side and a soft vacuum cup on the other side. Neither the foam nor the vacuum cup will damage a vehicle. The important thing about the vacuum cup is that it holds the TightSpot™ in the proper position to prevent damage to either vehicle. To use them just stick the vacuum cup on the vehicle you want to protect and any possible damage from another door pressing against it is prevented. You can then keep the doors open while you work on the vehicle to install the glass.

### TSP292 "Set of 2



## WHAT DOES THIS MEAN?

Occasionally throughout the catalog you will see this symbol next to a product. This means that the product you are looking at is available for you to purchase right now at your local Equalizer® Store. Yes, you can get it right now! See page 3 for details.





# Equalizer® Falcon™ • Heavy-Duty Oscillating Auto Glass Removal Tool



**Do not exceed 90 psi when using this tool.**

**ESM519 • Equalizer® Falcon™ with one Equalizer® Talon™ 51851 blade.**



**Consumes 4 CFM**

## Equalizer® Falcon™

### Heavy-Duty Auto Glass Adhesive Cut-Out Knife

#### *Easily converts to an air-powered cold knife!*

The Equalizer® Falcon™ features 20,000 oscillations per minute for fast cutting action. The blade's oscillating shaft is supported by dual bearings that are super heavy-duty. The motor is larger and more powerful than standard auto glass adhesive knives. The unique design of the end plate allows for more airflow, which produces a smoother-running, more powerful tool. The Equalizer® Falcon™ comes with a safety throttle to prevent accidental starting of the tool, and an 18" muffler makes it one of the quietest tools on the market today. Comes with one Equalizer® Talon™ 51851 blade. The Equalizer® Falcon™ is made to our specifications in Taiwan.

**ESK520 • Equalizer® Falcon™** with one each of the following Equalizer® Talon™ blades: 51847, 51848, 51849, 51850, 51852, 51853, 51854, 51855, 51859, and two 51851 blades in a foam-lined plastic carrying case.



**Complete blade descriptions on pages 20 & 21**



51866



51850



51853



51852



51851



51854



**ESM517 • Equalizer® Raven™ with one Equalizer® Talon™ 51851 blade.**



**Do not exceed 90 psi when using this tool.**



**Consumes 4 CFM**

**Equalizer® Raven™  
Auto Glass Adhesive Cut-Out Knife**  
*Easily converts to an air-powered cold knife!*

A very popular tool in many auto glass shops, these knives cut along flush-mounted, or encapsulated urethane set auto glass. A powerful motor and supporting ball bearings make it a long-lasting tool. It features 20,000 oscillations per minute for fast cutting action. Comes with one Equalizer® Talon™ 51851 blade. The Equalizer® Raven™ is made to our specifications in Taiwan.

**ESK518 • Equalizer® Raven™** with one each of the following Equalizer® Talon™ blades: 51847, 51848, 51849, 51850, 51852, 51853, 51854, 51855, 51859, and two 51851 blades in a foam-lined plastic carrying case.





# Equalizer® Talon™ • Oscillating Cut-Out Knife Blades



## Equalizer® Talon™ Oscillating Blades

These high-quality blades are made of flexible stainless steel, so they will flex before they break. This ability acts as a warning. When you see the blade start to flex, you know it is time to back-off and decrease the amount of pressure. The blades are flat on one side so they will ride against the glass and cut the urethane at the point of least resistance. These features have made Equalizer® Talons™ the most used oscillating blades in the world.



51852

51852 • Straight non-offset cutting blade, cutting part 1-1/8"

51857 • Hooked blade, cutting part 1-1/2"



51866

51866 • Curved cutting blade, cutting part 1-1/2"

51858 • Hooked blade, cutting part 2-1/2"



51851

51851 • Straight offset cutting blade, cutting part 2-1/8"

51859 • Hooked blade, cutting part 3-1/2"



51850

51850 • Pinch weld scraper, 1/2" wide

51847 • Powered cold knife blade, 3/4" long



51853

51853 • Curved offset cutting blade, cutting part 2-1/8"

51848 • Powered cold knife blade, 1" long



51854

51854 • Straight offset cutting blade, cutting part 3-1/2"

51849 • Powered cold knife blade, 1-1/2" long

51855 • Hooked blade, cutting part 3/4"



51855



51857



51858



51859



51847



51848



51849



These blades will not fit the Equalizer® Ninja™.



Sharpened on both sides

## Equalizer® Talon™ Dual-Sharpended Oscillating Blades

*Sharpened on both sides*

Some manufacturers of oscillating tools recommend that their tools be used with a blade that is sharpened on both sides. They believe it is easier for the blade to cut through the center of the urethane if it does not rub against the glass. For these users, we offer these high-quality stainless steel blades. Made in the USA.

- 51844 " 3-3/4" Long " Cutting Part 2" Long
- 51845 " 5" Long " Cutting Part 2-1/4" Long
- 51846 " 5-1/2" Long " Cutting Part 2-1/2" Long



These blades will not fit the Equalizer® Ninja™.



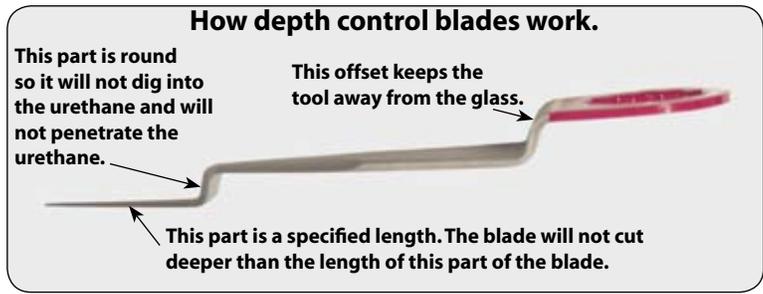
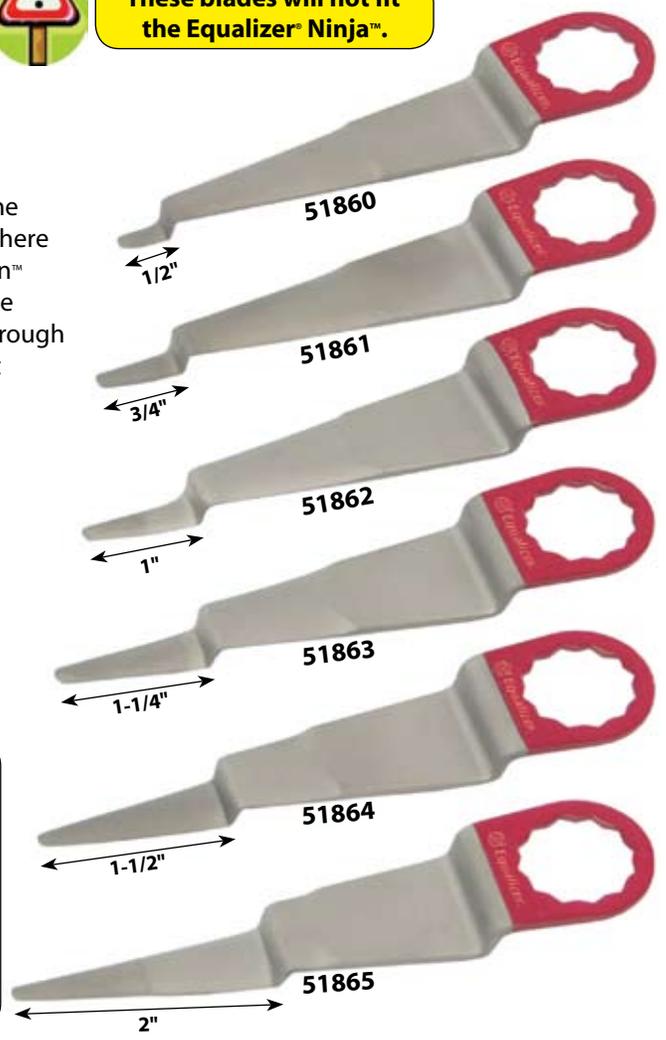
These blades will not fit the Equalizer® Ninja™.

## Equalizer® Talon™ Depth Control Oscillating Blades

*Control how deep your oscillating tool cuts*

Scratching the pinchweld on the outside when cutting from inside the vehicle has always been a problem with oscillating tools. Previously, there was no way to control how deep the blade would cut. Equalizer® Talon™ blades solve this problem. Each blade is formed in such a way that the vertical part of the bend will ride against the urethane and not go through it. These Equalizer® brand blades will fit on all oscillating tools (except Ninja™). Made in the USA.

- 51860 " Cuts 1/2" Deep
- 51861 " Cuts 3/4" Deep
- 51862 " Cuts 1" Deep
- 51863 " Cuts 1-1/4" Deep
- 51864 " Cuts 1-1/2" Deep
- 51865 " Cuts 2" Deep

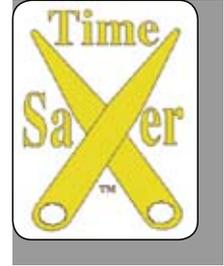




# Equalizer® TimeSaver™ Tool & Blades

## Equalizer® TimeSaver™ Blades

These blades will cut urethane cleanly from inside the vehicle. They are thinner than most blades on the market. All Equalizer® TimeSaver™ Blades are made of hardened, stainless steel and can be easily resharpened dozens of times. They are made in the USA.



TSB6603 " 5"



TSB6605 " 5-1/2"



TSB6606 " 6-1/2"



TSB6608 " 8-1/2"

Because of the leverage put on the bearings and the yoke bar, we do not recommend using these blades in a standard oscillating tool. Most manufacturers, including Equalizer Industries, Inc., do not recommend using a blade longer than 5" in their oscillating tools. For this reason, we have designed a special heavy-duty tool to drive these blades. The bearings are heavy-duty aircraft bearings and the yoke has been widened and thickened at critical points. Because these blades can cause regular oscillating tools to be damaged, we have color-coded them to match the tool. If the tool is not yellow then do not use the blades in the tool.

**Remember! Use the yellow blade in the yellow tool.**



**Remember, these blades are aggressive! They have an extra wide side-to-side movement.**

**Do not run the tool unless you are ready to plunge into the urethane and start cutting.**



### Equalizer® TimeSaver™ Heavy-Duty Auto Glass Removal Tool

The Equalizer® TimeSaver™ heavy-duty oscillating auto glass cut-out knife was designed to power TimeSaver™ Blades. It has heavy-duty aircraft bearings in all critical points. The yoke has been thickened and widened so it will withstand the extreme stress put on it by the longer blades. Most manufacturers, including Equalizer Industries, Inc., do not recommend using a blade longer than 5" in their oscillating tools. None of the tools are designed to take the stress of these long blades, **except** the Equalizer® TimeSaver™. Remember: **Do not exceed 90 psi air pressure when running this tool.** Comes with one TSB6603 blade. Made in Taiwan to our specifications.

ETS6602 "

# Equalizer® Ninja & Ninja GT • Air-Powered Cold Knives



## Equalizer® Ninja™ Air-powered cold knife

The Equalizer® Ninja™ and Ninja™ GT are revolutionary auto glass removal tools that allow you to remove any glass fast and effortlessly. They have the look and feel of a cold knife, but cut with the power of 22,000 cutting strokes per minute.

Here is how they work: the blade moves back and forth at 22,000 strokes per minute. As you pull the Equalizer® Ninja™ forward, it is retracting and then thrusting into the urethane at an astonishing rate of 367 times a second. Jobs that took several minutes now take only seconds with no strain on your body.

### Equalizer® Ninja™

Equalizer® Ninja™ with one 1" blade.

**ENJ147**

### Equalizer® Ninja™ Deluxe Kit

Equalizer® Ninja™ with two 3/4", three 1", and two 1-1/2" blades, in a foam-lined, plastic carrying case.

**ENK148**



Invented By  
Gilbert Gutierrez  
see page 4.

## The Equalizer® Ninja™ GT

### Heavy-duty air-powered cold knife

A heavy-duty version of the Ninja™. It has dual ball bearings, a more powerful motor, and an exhaust muffler that routes the escaping air away from the vehicle. A unique feature is Ninja™ GT's ability to cut under hoods, visor or trunk lid you can position the blade around so it sits at a 90° angle. This makes the tool short enough to go under these areas.

### Equalizer® Ninja™ GT

Equalizer® Ninja™ GT with one 1" blade.

**EGT149**

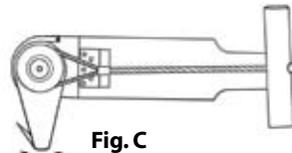
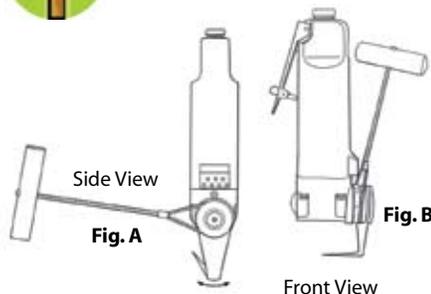
### Equalizer® Ninja™ GT Deluxe Kit

Equalizer® Ninja™ GT with two 3/4", three 1", and two 1-1/2" blades, in a foam-lined, plastic carrying case.

**EGK150**



**Warning! Ninja™ blades will only fit the Ninja™ tool. They will not fit other tools!**



**Fig. C**  
The Equalizer® Ninja™ is an air-powered cold knife. As you pull it forward, the blade moves toward the user and then backward away from the user at 22,000 strokes per minute (see Fig. A and Fig. B). As you pull the Equalizer® Ninja™ forward

it is retracting and then thrusting into the urethane at an astonishing rate of 367 times a second. Cutting urethane is almost effortless because the thrusts, not the pulling action, are cutting the urethane. To go under objects such as the hood, trunk lid or an outside visor, the blade will swivel, making the overall height of the tool much shorter (see Fig. C).

**ENT840 • 3/4" Blade**

**ENO841 • 1" Blade**

**ENL842 • 1-1/2" Blade**





# Cold Knives & Cold Knife Covers



### Standard Cold Knife

Many windshields, back glasses and side glasses can still be removed with a cold knife. The GK380 cold knife is made of the highest-quality materials. Its stainless steel pull cable with fused end flute and large, easy-to-grasp aluminum pull handle is virtually indestructible. Comes with one Z2 blade. Made in the USA.

**GK380**



### Economy Cold Knife

An economy version of our cold knife. We were impressed with the quality of these cold knives and decided to add them to our catalog. The screws and bolts are metric size, but we keep all the extra parts in stock if you wear anything out and want to replace it. The price is surprisingly reasonable for the quality of this product. Comes with one blade.

**CTK382**



**MA1277**

**CK304**

**MB1278**

### Cold Knives With Neoprene Covers

**Know the size of your blade at a glance.**

Paint jobs have become more complicated. Anywhere from three to as many as seven layers of paint are being applied. If you damage the paint you are in trouble! To help you stay out of trouble, Equalizer® has added a soft, Neoprene cover to our GK380 Standard Cold Knife to help prevent paint damage and give the cold knife a comfortable, soft, non-slip grip. The covered wire on the pull handle prevents damage to the hood, vertical posts and other painted parts. Now you can know the size of your blade at a glance: yellow is 3/4", red is 1" and green is 1-1/2". Always put the same size blade in the same color tool and you will know what length the blade is.

**MA1277 " Yellow Cold Knife & 3/4" Blade**

**CK304 " Red Cold Knife & 1" Blade**

**MB1278 " Green Cold Knife & 1-1/2" Blade**

**MC1279 " One Of Each Color: Yellow, Red, Green**



**Includes cold knife**



**MKC302**

**LP1266**

**LQ1267**

### Cold Knife Covering Kit

**Color code your cold knife for a specific blade size.**

Would you like to cover the cold knives you already have? This kit includes everything you need to cover the cold knife you own. Most technicians keep three different cold knives with a different size blade in each cold knife. Put a different color handle on each knife and you know at a glance what size the blade is by the color of the handle. Made in the USA.

**MKC302 " Red Cold Knife Cover Kit**

**LP1266 " Green Cold Knife Cover Kit**

**LQ1267 " Yellow Cold Knife Cover Kit**

**LR1268 " All Three Kits: Red, Green, Yellow**



**Does NOT include cold knife**



## Shorty™ Cold Knife With or Without Neoprene Covers

**Prevent paint damage and improve your grip.**

This cold knife was designed for use on vehicles where the hood comes up over the bottom edge of the windshield and rides so close that it is very difficult to get a cold knife under the hood to cut the urethane. This tool is also useful on vans and RVs where a hood overhangs the top of the windshield. The Shorty™ Cold Knife will fit under the hood and allow you to cut the urethane without damaging the hood. Comes with one Z2 blade. Made in the USA.

**SWC428 • Shorty™ Cold Knife With Covers**

**SCN427 • Shorty™ Cold Knife Without Covers**



Invented By  
Roger Huber  
See page 4.

## Loop Handle Cold Knife

Cutting today's urethane with a cold knife can be difficult. We extend a special thanks to inventor Jim Dittrick for developing this method to make pulling a cold knife easier. You will be surprised at how much whole-body pressure you can exert while keeping the strain away from your fingers, arm and back muscles. Our Loop Handle Cold Knife is made with a super-strong loop of steel cable and covered with a heavy, rubber coating. A larger Neoprene cover allows you to tighten the loop to fit your hand and gives you a comfortable grip. The knife comes complete with handle and one Z2 blade. Do you already have your own cold knife? The loop handle can be purchased separately to fit all standard cold knives. Made in the USA.

**LCK645 " Loop Handle With Cold Knife**

**LFK546 " Loop Handle Only, Without Cold Knife**



Invented By  
Jim Dittrick  
See page 4.

## UltraWiz® UltraOne

**Adjustable-Cable Cold Knife**

Auto Glass Technicians know that UltraWiz® has a reputation for quality cold knives and some of the strongest, sharpest and thinnest cold knife blades in the industry. This cold knife combines all you have come to expect from UltraWiz®, plus a one-set-screw system that allows quick-changes and a fully adjustable blade. A unique, durable foam cover offers comfort for the technician and scratch resistance for vehicle protection. Comes with one 1" blade.

**3005K**



One screw removes and replaces the blade. It also allows you to adjust the blade lower or higher in the handle.



# Quick Release Cold Knives



## Quickknife™

**Quick release cold knife with fully-adjustable blade length!**

**Put the blade at any depth and lock it in place.**

Here is the answer to a lot of frustrating problems. A quick pull of the blade-locking lever releases the blade. Put the blade at any depth you want and push the lever back down to lock the blade in place. A unique clamping device inside the cold knife locks the blade at any height without the need for pins or bolts to fit through the holes. The pull handle is attached to the body of the cold knife so there is no need to remove the handle to change blades. The cold knife handle is made of aluminum and is the UltraWiz® style (with oblong, not round, handle). This style helps prevent a cold knife from turning in your hand. The pull handle is foam-covered for comfort. Made in the USA.

**BNQ271**

## Equalizer® Switchblade™

**Change blades in seconds**

Our Switchblade™ is designed so you can change a blade in ten seconds with no screws or bolts to remove, no small parts to lose and no screws to strip out. Release the latch and the handle pivots open for quick blade changes. Made of cast aluminum with an easy-to-grip cable pull handle. Made in the USA.



### Switchblade™ Only

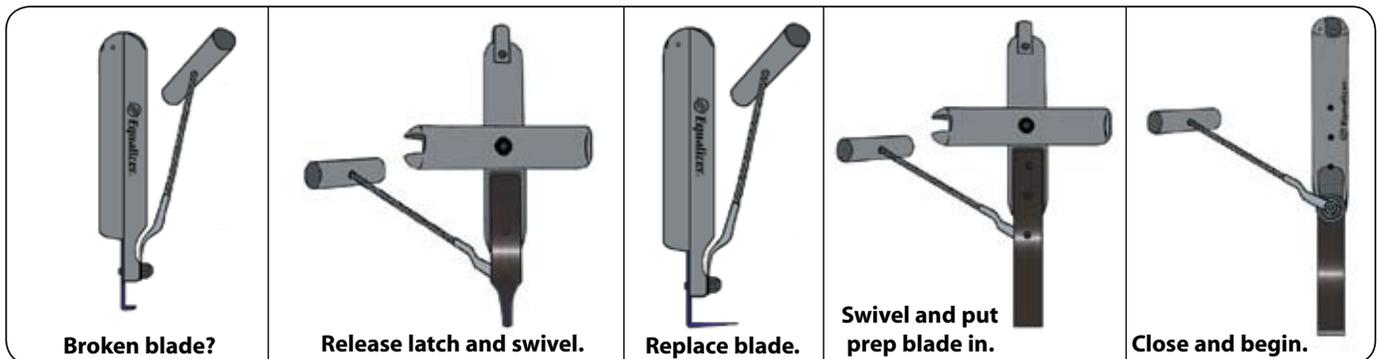
One Switchblade™ complete with pull handle and one Z2 blade.

**EQR423**

### Switchblade™ Deluxe Kit

One Switchblade™ complete with pull handle, one Z1, one Z2 and one EQS785 pinchweld preparation blade, in a foam-lined, plastic carrying case.

**EQK425**



# Extendable Reach & Quick Release Cold Knives



Push it • Pull it • Any direction  
Left or right handed  
one hand or two hands

Interlocking Y-handle for extra power

Blade can be locked in place at any length.



Square slot in pull handle unscrews bolt and releases the blade.



Invented By  
Mike Glodowski  
See page 4.

## Power Advance Cold Knife

The revolutionary design of the Power Advance Cold Knife is a stroke of genius for the Auto Glass Technician. The Y-handle means extra power, extra strength and extra reach! The unique design of the adjustable, Y-shaped attachment controls twisting and pitch, reduces arm strain and fatigue, and allows for raising or lowering for extra clearance. The rigid knife handle gives the technician greater control for pushing or pulling. Designed with a unique blade retaining method that lets you change the blade in seconds and set the blade to any depth, so the body of the knife will clear bonded mouldings. Comes with one 1" blade. Made in the USA.

**NEC398**

## EasyPro Quick Release Cold Knife

With a quick turn of the rigid cold knife handle you can replace the blade or set it to any depth, so there is no more worrying about blade clearance. A square slot in the pull handle is raised against the head of the bolt and used as a wrench to loosen the bolt that holds the blade in place. To adjust a blade, loosen the bolt and slide the blade up, down or anywhere you want. Then, tighten the bolt against the blade. To replace a broken blade, loosen the bolt, remove the blade and insert a new one. Tighten the bolt against the new blade and you are ready to continue cutting. The pull handle can be moved against the body when urethane is easy to cut, or it can be put farther out to prevent twisting when urethane is thick. Designed to accommodate any size cold knife blade, utility knife blade, or pinchweld preparation blade. Comes with one 1" blade. Made in the USA.

**TM1435 " EasyPro Cold Knife**



Blade can be locked in place at any length.



# UltraWiz® Cold Knives



## UltraWiz® Quick Release Cold Knife *A fully-adjustable cold knife.*

The most impressive thing about the blade-holding mechanism of this tool is that it allows you to secure the blade at any depth. Pull up on the lever to release the blade, push down on the lever to lock the blade (at any height). You need no tools, and since the pull handle is attached to the body of the cold knife, you do not need to remove the pull handle to change a blade. The pull handle is covered with a comfortable foam handle.

Made in the USA.  
**3007K**



PN3010RK

## UltraWiz® Cold Knife

The UltraWiz® Cold Knife is shaped for comfort and gripping power. The handle is oblong so it will not easily spin in your hand. The pull handle is built into the body and not bolted to the blade. The PN3001K is designed for a quick blade change. Simply loosen one screw and change the blade in seconds. It has a high strength Delrin® handle to resist scratching the finish of the vehicle. This is important because some of the new vehicles have seven different layers of paint and are impossible to touch up. Comes with one blade. Made in the USA.

**PN3001K • UltraWiz® Cold Knife**  
**PN3010RK " Pull Handle Only**



## UltraWiz® Two-Handed Cold Knife *Without Pull Handle*

Many technicians today use two hands to pull a cold knife and do not use the more traditional cold knife with a pull handle. To our knowledge, there has never been any comprehensive testing about which muscles are used when pulling a cold knife, but many of our customers tell us they pull more with their stomach and upper arm muscles when pulling a two-handed cold knife. The UltraWiz® Two-Handed Cold Knife has a single quick-change screw so you can change the blade in seconds. It is a big 8-3/4" long to fit the largest hands. Comes with one blade. Crafted of quality aluminum. Made in the USA.

**PN2002**

One screw removes and replaces the blade. It also allows you to put the blade lower or higher in the handle.



## UltraWiz® UltraOne *Adjustable-Cable Cold Knife*

This cold knife features a one-set-screw system that allows quick-changes and a fully adjustable blade. A unique, durable foam cover offers comfort for the technician and scratch resistance for vehicle protection. Comes with one 1" blade. Made in the USA.

**3005K • UltraWiz® UltraOne Adjustable-Cable Cold Knife**

# Enhancements For Your Cold Knife



## PowerPull™

To use this tool, slip it over a GK380 Cold Knife and transform it into a cold knife with a 25" pull handle. Wait, it gets better! The pull handle on the PowerPull™ holds the handle so the cold knife cannot twist. It holds the cold knife back at a 5° angle so it will ride along the bottom edge of the glass where the urethane can be easily cut. A large pull handle gives you ample room to pull with both hands. The length of the pull handle can be adjusted by extending the nylon pull rope around the body of the tool. It works with our GK380 Cold Knife, but may not work with other cold knives. Made in the USA.

**JST296 • PowerPull™**

**GK380 " Cold Knife**

**JSK257 • PowerPull™ With GK380 Cold Knife**



Invented By  
Jimmy Smith  
See page 4.



**WARNING:** If you purchase the PowerPull™ to use with your cold knife, be aware that your cold knife pull handle must measure 6-3/8" from the center of the bolt to the center of the pull handle.



Uses the GK380 Cold Knife.



Slide the handle of the cold knife up into the PowerPull™.



Wrap the nylon pull cord around the cold knife pull handle.



The only part that can touch the vehicle is the nylon rope.

## The Assistor™

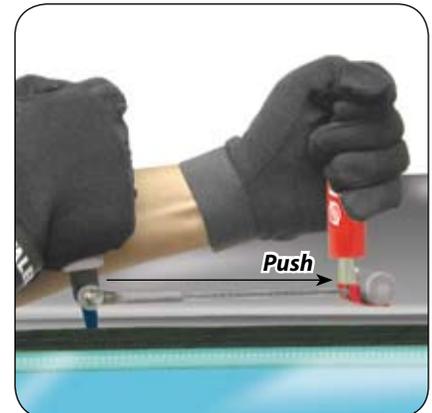
**Allows you to push a cold knife without holding your hand in an awkward way to grip the pull handle.**

Many times it is necessary to start a cold knife at the bottom of the glass because the back of the pinchweld is so close that you cannot start the cold knife anywhere else. After you have cut up the side post and around the corner you must push the cold knife away toward the center of the vehicle so you can reach it from the other side. This is where you need The Assistor™. Attach it to the pull handle of the cold knife after you round the top corner. Push the cold knife as far as possible across the top of the vehicle. It is made of hardened steel with an aluminum handle. The handle has a comfortable Neoprene grip. The metal area that holds the pull handle is rubber-coated to prevent damage to the vehicle. Made in the USA.

**GWT558**



Invented By  
David Diemert  
See page 4.



**Does not include cold knife**



# Equalizer® Z Cold Knife Blades



## Equalizer® Z Blades

These innovative blades will remain flexible and retain their sharpness much longer than the average cold knife blade. The grinding of the blade is at a greater angle than other cold knife blades. This creates less resistance when pulling the cold knife to cut the urethane. The end result is a cold knife blade that has the ability to resist breaking, last longer and keep a sharp edge. Equalizer produces two types of cold knife blades. Both the standard and the coined blades use the same proprietary hardening process.

### The Coined Z Blade...

The cutting surface of a coined, cold knife blade is made thinner. It is only about 35 thousandths of an inch thick. A normal cold knife blade is 62 thousandths of an inch thick. Many technicians routinely grind standard cold knife blades thinner so they will cut easier. Sometimes this grinding will overheat a blade and damage the hardening. Z Blades are thinned before they are hardened so there is no need to grind them thinner.

### Should I buy coined or not coined blades?

If you use a cold knife blade right-out-of-the-box and never grind it thinner, then use the standard thickness Z1, Z2, Z3, or Z7. If you like to take a new blade and grind it thinner before you use it, then you should purchase Z4, Z5, Z6 or Z8. Made in the USA.



**Z1 " 3/4" " Package of 5**

**Z2 " 1" " Package of 5**

**Z7 " 1-1/4" " Package of 5**

**Z3 " 1-1/2" " Package of 5**

**Z4 " 3/4" " Coined Blade " Package of 5**

**Z5 " 1" " Coined Blade " Package of 5**

**Z8 " 1-1/4" " Coined Blade " Package of 5**

**Z6 " 1-1/2" " Coined Blade " Package of 5**



# UltraWiz® Cold Knife Blades



UltraWiz Cold Knife Blades come in a standard thickness (PN1001, PN1002 and PN1004), and a thinner version called the UltraWiz® UltraThin. These blades average 40% thinner than the original UltraWiz® blade.

Both styles are made with UltraWiz's dual-angle sharpening method. Made in the USA.

**PN1000** is intended for use as a starter blade. The cutting area is 3/8" long and is useful when starting your first cut on urethane that is wider than a regular blade.

**Package of 10 Original Thickness**

**PN1001** has a cutting area that is 3/4" long. It is commonly used to cut standard-width urethane. Many technicians use this blade to make the first cut when cutting wide urethane.

**Package of 10 Original Thickness**

**PN1002** has a 1" long cutting area. This is the most popular blade because on most vehicles it will cut the urethane with one cut.

**Package of 10 Original Thickness**

**PN1003** has a 1-1/4" cutting area. This blade makes an excellent second-cut blade when the longer 1-1/2" blade is not needed.

**Package of 10 Original Thickness**

**PN1004** has a cutting area that is 1-1/2" long. We do not recommend using this blade for initial cuts. Use a shorter blade to make your first cut, then go back with this blade to make your final cut. Especially useful where urethane is very wide, such as corners and along the bottom.

**Package of 10 Original Thickness**

**PN5001** is a 3/4" UltraThin. If you are one of those people who always take cold knife blades out of the box and sharpen them, then the UltraThin series is for you. They are 40% thinner than the regular UltraWiz® blades.

**Package of 10 UltraThin Blades**

**PN5002** is a 1" UltraThin and is the most common size used by technicians.

**Package of 10 UltraThin Blades**

**PN5003** is an UltraThin blade with a cutting area of 1-1/4". Makes an excellent second-cut blade when the longer 1-1/2" blade is not needed.

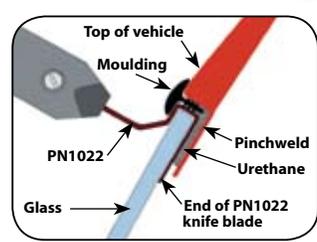
**Package of 10 UltraThin Blades**

**PN5004** is a 1-1/2" UltraThin blade and should never be used for the first cut. Always use a shorter blade to make the first cut then finish cutting through the urethane with this long blade.

**Package of 10 UltraThin Blades**

**PN1022** cuts under the moulding around the back edge of the glass and underneath the glass. Its unique shape allows you to remove the glass without removing the moulding. After the glass is removed there is very little pressure holding the moulding into the urethane and it is easy to remove without damage.

**Package of 5 Original Thickness**





## More Cold Knife Blades & Accessories

### UltraWiz® UltraThin Stainless Steel Cold Knife Blades

These innovative blades have a long-lasting edge. Specialized grinding and heat-treating techniques are applied to the production of these high-quality blades to ensure that they maintain a tough edge without becoming brittle. Their design was taken from the original UltraWiz® blades. Made in the USA.

**7001M • 3/4" • Package of 10 Blades**

**7002M • 1" • Package of 10 Blades**

**7004M • 1-1/2" • Package of 10 Blades**



### Flexible Pull Handle

Made of stainless steel and aluminum, this is the same pull handle that comes on the GK380, SCN427, EQR423 and EQK425. It will also fit the CTK382, UCH319 and UCC320. It has a strong, thick, stainless steel part that attaches to the screw and a rear handle holder that is cast into the fibers of the pull wire.

**RH161 " Flexible Pull Handle**



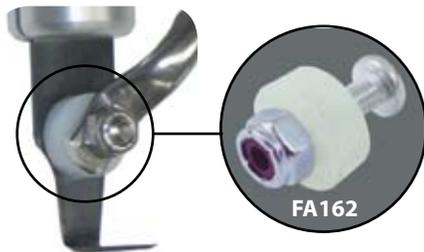
### Neoprene Covered Flexible Pull Handles

The same as our RH161 but with a soft Neoprene cover to help prevent paint damage and give the pull handle a comfortable, soft, non-slip grip. This is the pull handle used on our CK304, SWC428, MA1277, and MB1278.

**RCH163 " Red**

**RCH1631 " Green**

**RCH1632 " Yellow**



### Cold Knife Nut, Bolt, and Spacer Assembly

After extended use, the bolt and spacer used on cold knives will wear out. We offer these as a replacement assembly. The bolt and nut are made of stainless steel and the spacer is made of nylon. This assembly will fit the GK380, CK304, SCN427, SWC428, and CTK382.

**FA162 " Cold Knife Nut, Bolt, And Spacer Assembly**



### GripShield™

**With GripShield™ you'll never get cuts and scrapes on the bottom of your hands again!**



Invented By  
Douglas Zeitz  
See page 4.

Sometimes a cold knife blade breaks and slams your hand into the glass or a sharp edge of the vehicle. Gloves are useful, but even they will not always protect you. The GripShield™ is made of a tough, durable yet flexible piece of 80-thousandths of an inch thick plastic that protects your hand and keeps shards of glass or sharp metal from cutting you. The GripShield™ is clear so you can look through it and see exactly where you are cutting or how to insert the blade into the urethane. It is made to fit above the pull handle, but below the aluminum body of the cold knife. This ensures that it will always stay in place and not come off of the blade. Cold knife not included. Made in the USA.

**PHP578 • GripShield™**



## Vibra-Knife Blades

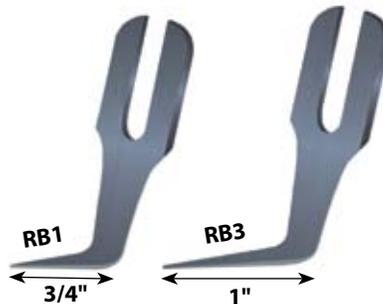
*Manufactured by Equalizer®*

For over 20 years, the Vibra-Knife was one of the most successful auto glass cut-out knives in the world. Today, thousands of these tools are still in use. We have updated the design to make the blades thinner. Our tests show the blades cut easier and last longer than the original blades. Made in the USA.

**RB1 " Vibra-Knife Blade " 3/4"**

**RB3 " Vibra-Knife Blade " 1" Long**

**Do you have a Vibra-Knife? We have blades!**



**We Repair Vibra-Knives.**

## PocketDoctor • Mobile First Aid Kit

How many times have you been out on a job and been cut, scraped, burned, bitten by an insect, or simply developed a headache? The PocketDoctor is a mini first aid kit designed for anyone who spends time out of the office and on the road. This compact case contains everything you might need for basic first aid, yet it is lightweight and small enough that you can easily carry it on your belt or in your mobile vehicle. Or, you can just toss it into your toolbox and forget about it until you have that run-in with a piece of broken glass! It has an easy-to-open left-hand and right-hand zipper, and weighs less than 8 ounces. Easy-to-carry heavy-duty nylon loops accommodate any belt or strap, or use the latch to attach it anywhere. It is very compact, 4-1/2" high x 3-1/2" wide x 1-1/2" deep and yet holds 36 first aid items. Kit contains: 5 adhesive bandages 3/8" x 1-3/4"; 12 adhesive bandages 3" x 3/4"; 2 gauze pads; 1 cold pack; 1 burn cream; 1 antibacterial ointment; 3 alcohol prep pads; 1 PVP iodine prep pad; 1 sting-relief pad; 3 antiseptic wipes; 1 lip ointment; 2 non-aspirin tablets.

**RCS294 " PocketDoctor Mobile First Aid Kit**



**Patent Number 5400512**



## Adjustable Length Cutting Knife

Twist the handle and this knife will extend up to 24" in length. Twist the handle again and collapse the knife down to only 18" long. You get the best of both worlds; you can

have the knife as long as you want and still store it easily in your tool box. The twist lock will hold the extended part firmly in position. The extension part is aluminum. The 3/16" thick shaft and retaining block are steel. The retaining block is held in place by a Phillips screw. Uses all standard utility knife blades including our ULB582 and DD1086 Extra-Long Utility Knife Blades. Comes with one standard utility knife blade. Made in the USA.

**AJL226**



**QS358 18" Long**



**QS359 24" Long**

## Urethane Cutting Knives

The QS358 is 18" long and is the length of most urethane cutting knives. The QS359 was designed for extra-long dashes. Measuring a full 24" long, the QS359 can reach the corners of the windshield with ease. Our heavy-duty

knives have a Phillips screw so you can secure the blade tightly without stripping the screw. Both knives come with our unique "hide-a-blade" design that allows you to store an extra blade in the handle. Made of high-quality, lightweight aluminum with a steel retaining block for the blade. Uses all standard utility knife blades including our ULB582 and DD1086 Extra-Long Utility Knife Blades. Comes with one standard utility knife blade.

**QS358 " 18" Long, 1/4" Thick**

**QS359 " 24" Long, 1/4" Thick**

**RB361 " Extra Blade Clamp and Screw**





# Urethane Cutting Knives



## PipeKnife™

This tool has been around the industry for years and is still one of the most used long knives. The PipeKnife™ is 14" long and has a 6-1/2" flattened blade shaft with rounded corners. The PipeKnife™ is made of cast aluminum, but has a steel nut cast into the back side to receive the screw and prevent stripping of the threads. Take out the rear plug and you can put a pipe in the handle to extend its length. The PipeKnife™ can use all standard utility knife blades including our ULB582 and DD1086 Extra-Long Utility Knife Blades. Blades not included. Made in the USA.

**GC1144 • PipeKnife™**

**SI1412 • PipeKnife™ With Neoprene Cover on Handle**

**SJ1413 " Neoprene Cover Only**

**GD1145 " Extra Blade Clamp and Screw**



**GD1145 blade clamp and screw**



Store extra blades in the handle of your extra-long PipeKnife™.



**Extra blade storage cannot be used if Neoprene cover is installed.**

## PipeKnife™ XL

One of the nice things the PipeKnife™ XL has is a slot cast into the end of the handle that lets you store extra blades. The PipeKnife™ XL is made of cast aluminum, is 18" long and has a flattened blade shaft that is 8-1/2" with rounded corners. It has a steel nut cast into the aluminum for the blade clamp screw. The PipeKnife™ XL can use all standard utility knife blades including our ULB582 and DD1086 Extra-Long Utility Knife Blades. Blades not included. Made in the USA.

**NN1335 • PipeKnife™ XL**

**SK1414 • PipeKnife™ XL With Neoprene Cover on Handle**

**GD1145 " Extra Blade Clamp and Screw**



**GD1145 blade clamp and screw**



## Equalizer® Sabre™ • Urethane Cutting Tool

### Quick blade changes

The Sabre™ features a quick-change design that allows you to remove the old blade and put in a new one in seconds. It has a steel pin that holds the blade in place. Many tools of this type have a wide area where the blade locks in. The Sabre™ has a width of only 1/8". This allows it to fit easily into any area below the dash. The handle is long enough to accommodate both hands for a firm cutting grip. Total length of the tool is 20" with the blade installed. Comes with one standard utility knife blade. The Sabre™ can use all standard utility knife blades including our ULB582 and DD1086 Extra-Long Utility Knife Blades. Made in the USA.

**SC532**



Invented By  
Jerry Witucki  
See page 4.



**You must cut forward then lift the Sabre™ up so the blade clears the urethane. If you drag the Sabre™ backwards it can push the blade out of the tool.**

## UltraWiz® Urethane Cutting Knives

### Made of steel with a plastic handle

Many vehicles do not have a large opening between the windshield and the dash. UltraWiz® Urethane Cutting Knives measure only 3/16" thick and are made of steel, not aluminum, to give it tremendous strength. Includes one standard utility knife blade. Made in the USA.

**PN4008L " 8 Inches Long**

**PN4013 " 14 Inches Long**

**PN4018 " 18 Inches Long**



## Olfa® Long Knife

The retractable breakaway point knife is a popular tool in auto glass shops. We are sure many of you have thought that if they were longer they would work great for cutting urethane along the bottom of the windshield. Olfa®, at the request of auto glass companies, has now developed one for our industry. The stainless steel housing is incredibly strong! A thumb screw lock allows you to lock the blade in place so it will not be pulled out by the force of cutting urethane. To change a blade, simply loosen the blade lock, slide the blade retainer out the back, drop in a new blade, and reverse the process. For blades, see page 39.

**XL2**



## Equalizer® Utility Knife Blades

Our blades are .025" thick so they will not break as easily as most utility knife blades. The blades are sealed in a dispenser containing 100 blades. Slide blades out one at a time from the bottom slot, then safely dispose of the blades by sliding them into the top of the container when they are worn out. Equalizer® Utility Knife Blades will fit all standard utility knives. Made in the USA.

**UKB498 " Package of 100**





# Urethane Cutting Blades & Accessories



Extra-Long Utility Knife Blade



Standard Length Utility Knife Blade



Equalizer Extra-Long Utility Knife Blade

## Equalizer® Extra-Long Utility Knife Blades

You know the problem; you like to use a long knife but the blade never sticks out of the tool far enough to cut through the thick urethane. Standard utility knife blades measure only 2-3/8" long. The maximum cutting area you can get is approximately 1". Equalizer® Extra-Long Utility Knife Blades measure a big 3-3/4" long and give you an exposed cutting area of at least 2-1/4". They are designed so there is more length between the two notches. For this reason, these blades will fit most standard utility knives as well as all long knives that use the standard utility knife blade. Made in Germany.

**ULB582 " Package of 10**



Extra-Long Serrated Utility Knife Blade



Standard Length Utility Knife Blade



Equalizer Extra-Long Serrated Utility Knife Blade

## Equalizer® Extra-Long Serrated Utility Knife Blades

Some technicians release the sides and top of a windshield and then use a sawing motion to cut the entire width of the urethane across the bottom at one time. Our Serrated Utility Knife Blade is perfect if this is the way you cut the urethane. The reciprocating action causes the blade to cut like a saw and makes cutting very fast. Standard utility knife blades measure only 2-3/8" long. The maximum cutting area you can get is approximately 1".

Equalizer® Extra-Long Serrated Utility Knife Blades measure 3-3/4" long and give you an exposed cutting area of at least 2-1/4". They are designed so there is more length between the two notches. These blades will fit most standard utility knives as well as all long knives that use the standard utility knife blade. Made in Germany.

**DD1086 " Package of 10**



## Moulding Cut Off Blade

Many vehicles have bonded encapsulated glass. Good examples of this are the Chevrolet and GMC pickup windshields. If the windshield is broken, there is no need to worry about saving the encapsulation. Technicians cut the outer edge of the encapsulation off with a utility knife and then use a cold knife to cut the urethane. Standard utility knife blades sometimes slip and cause damage to the paint. Our blade has a hook that prevents it from slipping out and damaging the paint while it lets you cut the moulding's edge off quickly and safely. Fits in our USK663 and all standard utility knives. Made in the USA.

**WB480 " Package of 2**



## Protect-A-Dash™

Many windshields cannot be removed without cutting across the bottom of the windshield from the inside. If you are using a tool with an exposed blade there is always a possibility you could cut or damage the dash. Some vehicles even have a water bladder that uses the antifreeze from the radiator to warm the windshield. If you cut one of those bladders it could cause expensive damage.

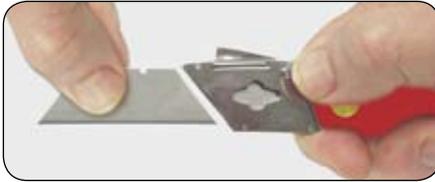
VIN plate protection may be the single most important reason for purchasing the Protect-A-Dash™. If you cut the VIN plate off of a vehicle, the vehicle cannot be sold, and you do not want to go through the problems of qualifying the vehicle for a new VIN plate. Even if you do, the new VIN plate looks totally different. Saying your customer will not be happy is an understatement. Each side of the dash protector is made to perform a specific function. The side that goes against the windshield is a slick, tough nylon so the tool will slide easily across the dash protector. The nylon is flexible so it easily contours to radically curved dashes and is rounded at the bottom to fit down into the corners. The back side is a durable, non-skid foam pad that both protects the dash and prevents the dash protector from slipping out of position. Made in the USA.

**CU1077**



Invented By  
**Tim Slaughenhaupt**  
See page 4.

# Utility Knives & Blades



**Quick one-step blade change. Push the lever and release the blade.**

## Equalizer® Quickchange™

This tool looks, acts, feels, and even folds up like a real pocketknife, but it uses a standard utility knife blade. Now you will never be without a razor-sharp knife. It is perfect for cutting mouldings, or shaping pieces and parts that do not fit. A technician will find a thousand uses for this compact knife. It is made of high-quality stainless steel with aluminum handles. It has a belt clip so you can have it instantly accessible, or attach the pouch to your belt and keep it inside. The pouch also stores extra blades. Equalizer® Quickchange™ is compact and folds to only 3-1/2" inches long.

**FCS293**

**UKB498 " Package of 100 Knife Blades**



**Belt clamp lets you carry just the knife on your belt.**



**Only 3-1/2" long when folded.**



**Comes with a ballistic nylon pouch with built in blade holder and 5 blades.**



**GET THIS NOW AT YOUR LOCAL Equalizer STORE**  
SEE PAGES 2 & 3

## Banana™ Knife Quick-Change Retractable Blade Utility Knife

Rotate the side lock 1/4 turn and this knife swings open so you can quickly replace the blade. Nothing falls out because extra blades are held inside by a magnet. The lock retainer and blade retractor are held in place so they do not fall out. It is a heavy-duty knife made of die cast zinc and built to give years of carefree service. The Banana™ Utility Knife has an ergonomic design so it fits comfortably in your hand. It uses any standard utility knife or hook blade. Comes with one standard utility knife blade. Made in the USA.

**MU1296**



**Retractor locked in place. Magnet holds the blades.**

## Banana™ Quick-Change Rigid Blade Utility Knife

A quick 1/4 rotation of the side lock retainer lets this knife swing open so you can quickly replace the blade. Nothing falls out because extra blades are held inside by a magnet. The lock retainer is a captive lock so it does not fall out. It is a heavy-duty knife made of die cast zinc and built to give years of carefree service. The Banana™ Utility Knife has an ergonomic design so it fits comfortably in your hand. It uses any standard utility knife or hook blade. Comes with one standard utility knife blade. Made in the USA.

**IQ1209**



**Magnet holds blades**

## Swivel Open Utility Knife

Push the release button and this handy utility knife swivels open to let you quickly change the blade. The thumb release lets you set the blade to three different depth settings. Made of cast aluminum and curved to give you a comfortable non-slip grip, this handy knife is designed to give you years of service. Comes with three blades stored inside the handle. Uses standard utility knife blades. Made in the USA.

**USK663**





# Utility Knives & Mini Scrapers



## Squeeze™ Knife

Squeeze the handle and a blade will automatically spring out and lock into position for use. Push in on the black thumb latch, and the blade will automatically retract safely back into the knife. When you remove a blade, then squeeze the handle, a new blade will spring out.



For blade changing, press the yellow button, pull the blade out and discard it; if not spent, turn it around, put it back in and use the other end. Not ready to use the other end yet? Just put it in the side magazine with the dull end facing backwards. Next time you use the knife, squeeze the handle and the sharp end will spring out.

**Squeeze the bottom of the handle...blade comes out and locks into place. Push the black latch...blade retracts. Push the yellow button...pull out a used blade to change or reverse ends. Open magazine door...store new blades or used blades facing backwards for future use.**

Squeeze™ Knife has an ergonomic handle with a thumb-groove for greater control and comfort. The side magazine holds up to eight blades. New or used blades can be quickly loaded into the magazine by opening the door, dropping the blades in, then snapping the door back into place. Comes with 5 blades.

**GNK571**



## Dominator™ HD Retractable Blade Utility Knife

The Dominator™ HD has an easy-grip, non-slip grooved handle that has an ergonomic design. It uses all standard and hooked utility knife blades. The blade can be locked in four different positions. It is a very heavy-duty knife made of die cast zinc. Comes with three blades. Made in the USA.

**IR1210**



## Spring-Loaded Latch Release Utility Knife

When we introduced the SKE291 Prepmaster™ in 2005, we included this utility knife in the kit. What surprised us was how many of our customers called to purchase the utility knife as a separate item. We robbed so many knives out of kits, we decided to sell it on its own. When you pull back on the black latch the entire side of the knife can be lifted up so you can quickly change the blade or turn it around and use the sharp end of the blade. It uses all standard and hooked utility knife blades.

**SPE242**



Turn razor blade around for use.

Place razor blade backwards for safety.



## Equalizer® Mini-Scrapers

A safer approach to carrying razor blades in your toolbox or your pocket. It features an easy and safe blade change method and comes with one single-edge razor blade. In the carrying position, the razor blade faces into the scraper. When you want to use the razor blade press the release latch, turn the razor blade around and it is ready for use. Made in the USA.

**MS496 " Package of 6**

# Razor Blades • Breakaway Point Knives & Blades



## Equalizer® Razor Blades

The most commonly used item in an auto glass shop is the razor blade. We use them to remove everything from stickers to excess urethane. Equalizer® Razor Blades are tough, strong, industrial razor blades packaged in boxes of 100. Each blade is securely wrapped in a thin, brown piece of cardboard to protect the edge. A sturdy metal back gives the blade strength. Made in the USA.

**RB497 " Box of 100**



## Olfa® Silver

This is a smaller version of the breakaway blade knife. It is designed to be carried in your shirt pocket and has a pocket clip built into the end of the knife. The pocket clip is easily removed and doubles as a device to snap the used ends off of the blade. I carried one of these in my shirt pocket for 15 years when I was a technician. They are the greatest tool ever made for cutting urethane stringers, shaping urethane, trimming mouldings or opening cardboard boxes. The blade housing is made of stainless steel and will give you years of carefree service.

Comes with one stainless steel breakaway blade.

**SVE802 • Olfa® Silver Knife**



## Heavy-Duty Retractable Breakaway Point Knife

Olfa® produces the highest-quality products and Equalizer Industries, Inc., is proud to have these knives and blades in our product line. The break-off segments of a chocolate bar inspired Mr. Y. Okada, the founder of Olfa® Corp., to invent the first snap-off blade in 1956. Today, they are produced worldwide, employing uniform dimensions and standard angles, shapes, etc., all of which were established by Olfa®. The OLF20 (shown right) is made of high impact plastic, has a stainless steel blade housing, and a positive locking thumb screw so you can set the blade at any length. The back of the knife features a rubber grip that lets the knife rest comfortably in your hand and keeps it from slipping. Comes with two blades.

**OLF20 • Breakaway Point Olfa® Knife**



Comfortable Rubber Grip

## Super Heavy-Duty Knife

This knife has a blade that measures a full 1" wide, .028" thick and can be extended a full 4" out of the blade housing. This is truly a Super Heavy-Duty Knife. It has a thumb locking screw so you can lock the blade in any position. The comfortable rubber grip on the back side is easy to hold and will not slip out of your hand. Comes with one blade.

**OH1 • Super Heavy-Duty Olfa® Knife**



Comfortable Rubber Grip

This knife uses a blade that is much larger than standard blades. Be sure to order some extra blades.

## Blades For OLF20, BPK729, SVE802, OH1, and XL2

Blades LB21 and SB727 fit the Olfa® XL2 (page 35) and Olfa® OLF20. They will also fit all standard breakaway point knives. When the point of the LB21 breaks or dulls, simply snap off the segments and you have a new, sharp cutting tip. The SB727 is a solid blade that does not have the snap-off segments. It is very useful for cutting urethane that is far below the dash of most automobiles.

**LB21 " Breakaway Point " Package of 10**

**SB727 " Solid Blade " Package of 10**

**Breakaway Point Blades For Olfa® Silver SVE802**

**SVB803 " Package of 10**

**Breakaway Point Blades For OH1**

**HB5 " Package of 5**



LB21 • Heavy-Duty Breakaway Blades



SB727 • Heavy-Duty Solid Blades



SVB803 • Blades For Olfa® Silver



HB5 • Breakaway Blades For OH1



# SuperScraper™ Pinchweld Preparation Tools



**SuperScraper™**  
Pinchweld Preparation Kit  
BY **Equalizer**  
SK345

## SuperScraper™ Kit

### A pinchweld preparation tool.

This tool will help you leave 2 mm (1/16") of urethane on the pinchweld just like the manufacturers recommend. One easy way to accomplish this is to put the chisel side up and use the heel of the blade to control the height at which the blade cuts the urethane (see drawing next page). It is the only pinchweld preparation tool that a technician needs. For this reason, many of our customers have asked us to make a set that has all the different blade sizes inside one kit. This way everything stays together and is not lost among the other tools you have in your toolbox. The SuperScraper™ has a lightweight, aluminum shaft with a quick-change collet that lets you change the blade in seconds. It has a heavy-duty plastic handle, and is 10" long. The kit comes with one solid handle SuperScraper™, 10 of each size blade SC301 (1/2" wide), NY1246 (5/8" wide) and NZ1347 (3/4" wide).

### SK345 • SuperScraper™ Kit



3/4" Wide  
NZ1347

5/8" Wide  
NY1246

1/2" Wide  
SC301



**Quick release lets you change blades in seconds.**  
**Blade cover for 1/2" Blades**

Store extra 1/2" blades in handle

## SuperScraper™

The SuperScraper™ is one of the most successful tools ever introduced by Equalizer. It was originally introduced to use a 1/2" blade because the pinchwelds on many modern vehicles are narrow. Technicians appreciated the thin, surgically sharp blades and it quickly became one of the



most commonly used pinchweld preparation tools in the world. Technicians liked the SuperScraper™ so much that shortly after its introduction they started asking us to introduce a wider blade. We responded with a new 5/8" and 3/4"-wide blade made of the same surgically sharp steel as our original blades. If you are not familiar with the SuperScraper™, let me introduce it to you. The SuperScraper™ has a lightweight

aluminum shaft with a quick-change collet that lets you change the blade in seconds. It has an innovative, heavy-duty, flip-top plastic handle that stores extra 1/2" blades (wider blades will not fit in handle). It is 10" long and comes with five 1/2"-wide blades. Made in the USA.

### SC300 • SuperScraper™



**WHAT DOES THIS MEAN?**  
Occasionally throughout the catalog you will see this symbol next to a product. This means that the product you are looking at is available for you to purchase right now at your local Equalizer™ Store. Yes, you can get it right now! See page 3 for details.

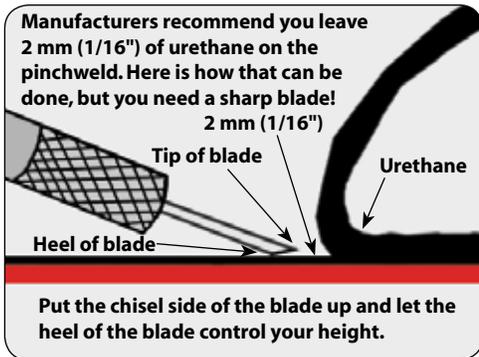
# PrepMaster™ Pinchweld Preparation Tool



## PrepMaster™ Kit

Proper pinchweld preparation is essential for a successful replacement. Urethane companies today recommend that you leave 2 mm (1/16") of urethane on the pinchweld. This is easy to accomplish using a PrepMaster™. Put the chisel side up and use the heel of the blade to control the height at which the blade cuts the urethane (see drawing). One of the things we do here at Equalizer is to keep a list of things people ask us to produce. After we introduced the SuperScraper™ Kit, we had a lot of technicians ask us to make a kit with a shorter handle. When asked what they would like to see in the kit, most of them mentioned a utility knife and an angled blade. We have taken all of those suggestions and incorporated them into this kit. The PrepMaster™ Kit has a lightweight aluminum shaft with a quick-change collet that lets you change the blade in seconds. The kit comes with one PrepMaster™, 5 of each size blade SC301 (1/2" wide), NY1246 (5/8" wide) and NZ1347 (3/4" wide) and TQ1438 (5/8" wide) angled blades. It also includes a SPE242 Utility Knife with a quick-change feature, and a package of 5 utility knife blades. Made in Taiwan to our specifications.

**SKE291**



## PrepMaster™ Tool

This is a short version of our SuperScraper™ tool. It features the same quick change collet so you can change blades in seconds. As a technician, you will appreciate the thin, surgically sharp blades and the ability to change a blade in seconds. It can be used with the 1/2", 5/8", 3/4" wide and the new 5/8" wide angled blade. All of the blades are made of surgically sharp steel that slices through urethane with ease.

**PMO299**

## SuperScraper™ & Prepmaster™ Replacement Blades

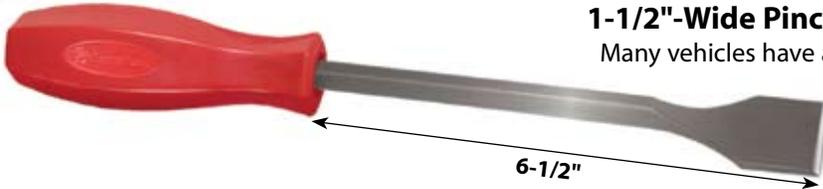
SuperScraper™/Prepmaster™ Blades come in three widths: 1/2", 5/8", and 3/4" wide. They are made of surgically sharp stainless steel.

- SC301 " Replacement Blades, 1/2" " Package of 5**
- NY1246 " Replacement Blades, 5/8" " Package of 5**
- NZ1347 " Replacement Blades, 3/4" " Package of 5**
- TQ1438 " Replacement Blades, 5/8" Angled " Package of 5**





# Pinchweld Preparation Tools

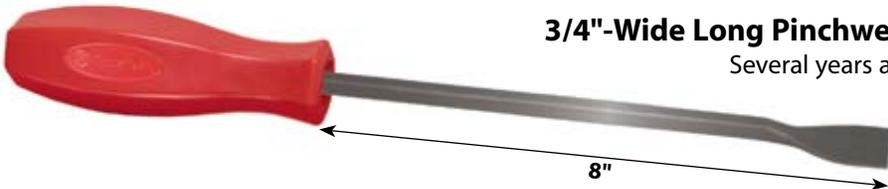


## 1-1/2"-Wide Pinchweld Preparation Tool

Many vehicles have a very wide band of urethane across the bottom of the glass. In this area it is easy to use a wide pinchweld preparation tool and make only one cut to remove the urethane. For this reason our IHW716 has a blade width of 1-1/2". It is made of the same high-quality steel as our other pinchweld preparation tools and can be sharpened dozens of times.

Made in the USA.

**IHW716**



## 3/4"-Wide Long Pinchweld Preparation Tool

Several years ago people started asking us for a shorter version of this tool. We introduced a shorter version and it became so successful we stopped making the longer version. Then, people started asking for the longer version again. Now there's a choice! You can have the short one or the long one shown here. Blade width is 3/4". Made in the USA.

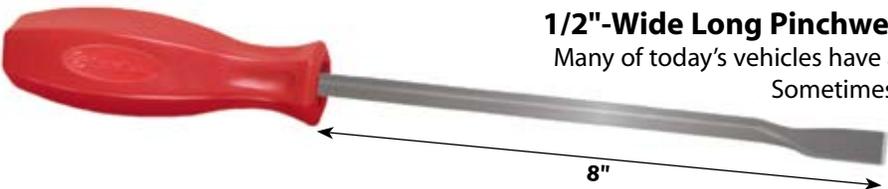
**WPL833**



## 3/4"-Wide Standard Pinchweld Preparation Tool

Used to remove urethane and butyl from the pinchweld, our pinchweld preparation tools have a hardened steel blade that can be sharpened dozens of times. The shank is long enough to keep hands away from pieces of broken glass. Width is 3/4". Made in the USA.

**WP738**



## 1/2"-Wide Long Pinchweld Preparation Tool

Many of today's vehicles have a very narrow pinchweld.

Sometimes the mouldings wrap around the pinchweld and when removing the moulding you must have a pinchweld preparation tool narrow enough to go down into the U-channel. This is the same pinchweld preparation blade as the WPL833, but it is only 1/2" wide to fit down into those narrow pinchwelds.

**NPS893**



## 1/2"-Wide Pinchweld Preparation Tool

This is the same tool as the NPS893, but with a shorter shank. Some people feel that they have more control with a shorter shank. For those of you who have asked, we have the 1/2" Wide Pinchweld Preparation Tool available in the shorter shank.

**SFE892**



# Pinchweld Preparation Tools



## Wide Pinchweld Preparation Tool

This durable tool will give you years of service. A razor blade is too wide to use across the top or up most A-pillars, but it is ideal to use across the bottom. The nice thing about this tool is that you pull out the old blade, put a new one in and you are ready to go again, no sharpening needed. Comes with a safety cover that keeps the blade sharp and prevents the technicians from cutting themselves when this tool is in the toolbox.

**SC170**

**RB497 " Blades For SC170 " Box of 100**



## Pinchweld Preparation Tools with Neoprene Covers

These may be the last pinchweld preparation tools you will ever buy. From now on you may just buy blades. When the blade finally wears out, remove the two screws, drop in a new blade and you are ready to prepare pinchwelds for another year. These Pinchweld Preparation Tools are made of spring steel and are hard enough to hold an edge, but soft enough so they will not dig into the pinchweld. The handle is made of aluminum and covered with soft Neoprene. They come in three distinct colors so you can glance into your toolbox and instantly know what size pinchweld preparation tool to pick up. Red is 3/4" wide, green is 5/8" wide, and yellow is 1/2" wide. Made in the USA.

**LTS595 " 3/4" Wide With Red Neoprene Handle**

**LI1259 " 5/8" Wide With Green Neoprene Handle**

**LH1258 " 1/2" Wide With Yellow Neoprene Handle**

**LE1254 " One Each LTS595, LI1259, LH1258**



## Pinchweld Preparation Tools

The SB531, SBN5311 and SBS5312 are the same as the Pinchweld Preparation Tools shown above, but without the Neoprene cover.

**SB531 • 3/4" Wide Without Neoprene Cover**

**SBN5311 • 5/8" Wide Without Neoprene Cover**

**SBS5312 • 1/2" Wide Without Neoprene Cover**

**SBT5350 " One Each SB531, SBN5311, SBS5312**

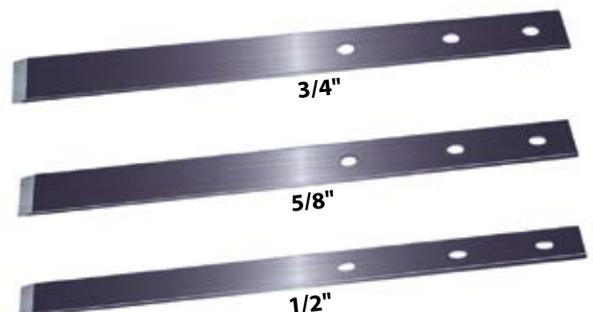
## Pinchweld Preparation Tool Blades

Replacement blades for all of the pinchweld preparation tools shown above. These blades can also be used in the Equalizer® Switchblade™. Do you have an old cold knife laying around with a pull handle that is no longer good? If so, just put one of these blades in the handle and you have a great pinchweld preparation tool.

**EQS785 " Replacement Blade 3/4" Wide**

**LL1262 " Replacement Blade 5/8" Wide**

**LM1263 " Replacement Blade 1/2" Wide**

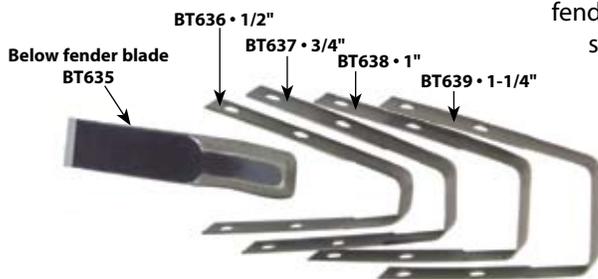
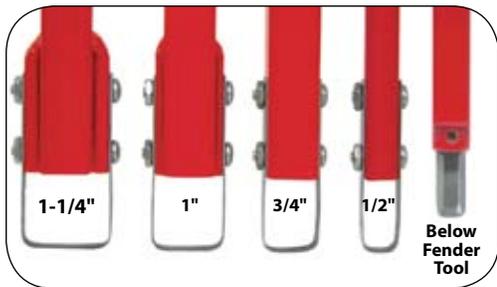




# Pinchweld Preparation & Cleaning

## The Razorback™ Pinchweld Cleaning System

The Razorback™'s blades are ground with a slight back angle that keeps you from scratching the bottom or sides of the pinchweld. This allows you to leave a small amount of urethane on the pinchweld, as recommended by urethane manufacturers. The corners are rounded so they will not scratch the bottom corner of the pinchweld. On some vehicles the headliner lays against the windshield just below the pinchweld. Often the headliner overlaps onto the pinchweld and is stuck in place with urethane. By using the proper width blade, Razorback™ can trim up against the headliner and leave the old urethane attached to the headliner. Razorback™ comes as a kit with pinchweld cleaners in the following widths: 1-1/4", 1", 3/4", 1/2". Also included are one below-the-fender pinchweld cleaner and one round sharpening stone in a protective plastic sleeve. With the round sharpening stone you can keep the blades sharp even into the rounded corners. All the pinchweld cleaners and sharpening stone fit neatly into a canvas pouch that folds over at the top of the tools and seals tightly closed with a Velcro® latch.



- BT634 " Complete Kit**
- BT635 " Below Fender**
- BT636 " 1/2" Blade**
- BT637 " 3/4" Blade**
- BT638 " 1" Blade**
- BT639 " 1-1/4" Blade**



## Pinchweld Cleaning Brushes

Pinchwelds are perfect places for dirt, dust and grime to collect. To prevent contamination of the urethane before you strip it down to 2 mm (1/16"), you must clean the area between the pinchweld and the urethane so dust and dirt will not fall onto, and contaminate, the freshly trimmed urethane. We recommend using plain water to loosen the dirt, dust and grime. Most brushes are too large to get down into this small area and have bristles that are too stiff

and can scratch the paint on the outside of the pinchweld. Our brushes are made of horsehair. They have the stiffness needed to brush away the grime, but are soft enough to keep from damaging the paint or pinchweld. Brushes are made with a thin, metal handle that is 6" long and 5/16" in diameter.

**TO1437 " Package of 10**

## Pinchweld Cleaner

**A modern whisk broom.**

Some of today's paint jobs are seven layers thick and very delicate. The last thing you want to do is scratch the paint or damage its surface. Whisk brooms have stiff straws that will scratch most of today's paints and for this reason you should never use a whisk broom to sweep the pinchweld clean. What we see many technicians



doing today is using a paint brush to clean the pinchweld. We have selected this paint brush because it has soft bristles yet enough stiffness to sweep the dust and dirt out of the pinchweld. In an emergency you could use it to paint your house!

**NWB365**

# Sharpening



## TruGrit™ • 12-Volt Bench Grinder

Cutting tools are the most common tools we use in the auto glass business. However, most of us never have a grinder on our mobile vehicle when we need it. Now you can have that grinder with no generator to start and nothing to hook up. Just plug TruGrit™ into the cigarette lighter and you are ready to sharpen cold knife blades, Equalizer® Blades, pinchweld prep tools, anything!



Small enough to hold in one hand.

### Quickly Sharpens

Equalizer® Blades  
Cold Knife Blades  
Scraper Blades  
Oscillating Blades  
And Many More!



mounted permanently and used like a bench grinder. TruGrit™ has an expandable cord that will reach up to seven feet, and a stone that is larger than the motor so you can grind at any angle from either side of the stone. The 60-grit stone is fine enough to put a smooth, sharp edge on any cutting tool.

TGO431

## 12-Volt Sharpening Tool

Put a drum sander in this tool and you are ready to sharpen Equalizer® Blades, Express® Blades, Oscillating blades, cold knife blades, and pinchweld prep tools. With this tool you can sharpen any of your cutting blades. You never need to worry about your battery being dead because it plugs into your cigarette lighter or power point. It is also great for drilling holes in glass with a carbide bit when you are repairing a windshield. Because it has a drill chuck and not a collet, it will hold the smallest drill bit or grinder shank all the way up to 1/8". Therefore, you can use any of the popular grinding wheels, cut-off wheels or grinding attachments available at hardware stores.



RSR941

## Drum Sander & Abrasive Cylinder

Our Drum Sander is an expandable rubber cylinder mounted on an 1/8" shank. An aluminum oxide abrasive cylinder is slipped over the rubber cylinder and the screw is tightened to expand the rubber so it will hold the cylinder in place. To replace the Abrasive Cylinder, loosen the screw, slide the old cylinder off, slide a new one on, and tighten the screw. Comes with one abrasive cylinder.



DDS267 Drum Sander

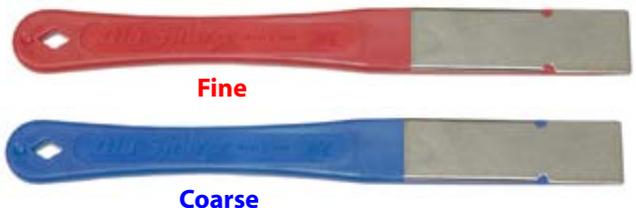
DSD268 Abrasive Cylinders

DDS267 " Drum Sander With Abrasive Cylinders

DSD268 " Package Of 6 Abrasive Cylinders

## Diamond Files

Did you ever wish you had a file that would not wear out? These files come as close as anything you will ever own. They are made of monocrystalline diamonds and their strong, single-crystal structure does not break apart with use. If you want to use a lubricant, use only water. To clean them just scrub with a bristle brush and dishwashing soap. The red file is fine and will put a razor edge on your cutting tools. The blue file is coarse and will sharpen blades like a normal file. Total length is 7" long and the file area measures 2-1/2" long. They take up very little room in your toolbox. I would suggest buying both so you can put a quick edge on your cutting tools with the blue file and then use the red file to make a razor-sharp edge.



LTR274 "Fine "

LTB275 "Coarse "

## 8" Mill File

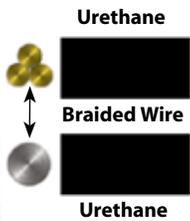
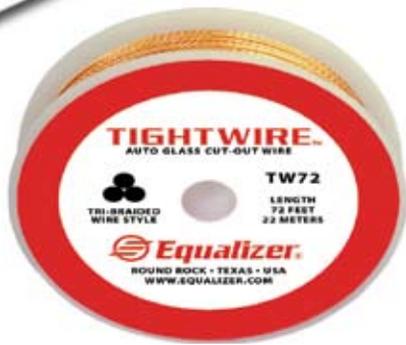
No tool box is complete without a file. Many people use a file to sharpen cold knife blades, but that is just one of its many uses. You'll always encounter things that don't quite fit and sometimes just a couple of strokes with a file will solve the problem. Incidentally, here is some file etiquette learned from a gunsmith. Never let one file lay against another file, it will dull both files. If you are filing a soft metal such as aluminum, keep a piece of chalk in your tool box and rub the file first with the chalk. This will prevent the aluminum from sticking in the file teeth.



CF1061



# Cut-Out Wire & Accessories

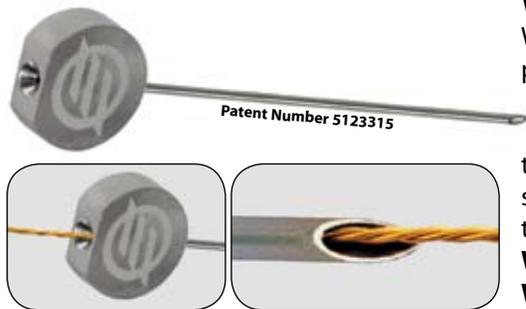


**Braided strands of wire are twisted around each other. When they are pulled in a straight line the twisted wire cuts with a sawing action.**

## TightWire™

Auto glass shops have used wire to remove bonded glass ever since manufacturers started "gluing" them in years ago. For years we used anything that would work: guitar strings, piano wire, etc. Most "piano wire" is weak and will break several times while cutting out a windshield. We had TightWire™ designed to our specifications especially to cut urethane. Our customers report cutting out an entire windshield with one piece of TightWire™ and not breaking the wire. TightWire™ is composed of three super-strong, stainless steel wires braided to form one wire, and anodized to a smooth finish and a distinctive gold color. Diameter is .022". Made in the USA.

**TW72 " 72' Roll**  
**TW72PKG " 10 Rolls**



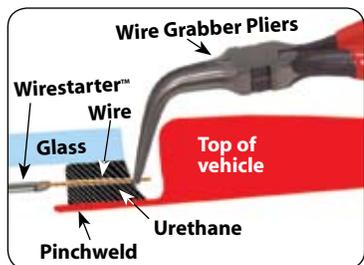
## Wirestarter™

Wire can be almost impossible to put through urethane. Wirestarter™ solves this problem. To use Wirestarter™, push the hollow stainless steel tube through the urethane, insert the wire through the tube, pull Wirestarter™ out, and your wire is in. Be sure to lay the flat side of the aluminum handle against the glass and then use your thumb or fingers to push the tube through the urethane. Also, be sure to concentrate your force directly in line with the tube. Failure to follow these directions may result in the tube bending.

**WS782 " 4" Tube**  
**WS782P " 8" Tube**



Invented By Eric Asbery See page 4.



## Wire Grabber Pliers

After you put the wire through the urethane you must grab the end and pull it out with a pair of needle nose pliers. With normal needle nose pliers your hand is in the way and you cannot easily see the wire without holding the pliers in a difficult position. Our Wire Grabber Pliers are bent at a 90° angle, this puts your hand out of the way. They have a serrated nose that is 1-1/2" long to reach into the deepest pinchwelds to grab the wire and hold it tighter. Made in the USA.

**BNP516**



## TightWire™ Start-Up Kit

**With TWH500 TightWire™ gripping handles**

Includes one roll of our TW72 TightWire™ (described above), one set of TWH500 TightWire™ Grips and one WS782 Wirestarter™. The Wirestarter™ is a hollow, stainless steel tube that is pushed through the urethane. The wire is then fed through the tube and the tube is removed, leaving the wire started through the urethane. To use the grips, unscrew the two halves, insert the wire into the small hole, bend the wire over and pull it around the center at least one time. Then, twist the handles back together tightly. Kit includes one TW72, one WS782, and one pair TWH500. Made in the USA.

**TWK502**

### Money Saving Kits



## TightWire™ Start-Up Kit

**With LWH200 GripTite™ wire gripping handles**

Many of our customers prefer the LWH200 gripping handles. This kit includes one TW72, one WS782, one pair of LWH200.

**TWK202**

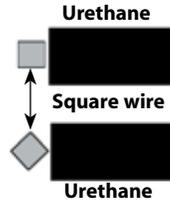


## Squire™

### Square auto glass cut-out wire.

Amazing but true, the cutting ability of this square wire is better than traditional round or braided wire. Many people never try square wire because it does not make sense that it would cut better than round or braided wire. Stop and think about this; as the square wire's flat side is drawn against the urethane, it tilts and begins cutting with the V-corner of the wire. This gives it a cutting ability that is superior to any wire in the world. Made of high tensile strength stainless steel. Try a roll and you will be amazed.

Made in Germany.  
SSW508 " 72' Roll



When square wire is pulled, pressure is put against the flat side. It then takes the path of least resistance, rolls over and cuts with the V-side of the wire.



## Squire™ Start-Up Kit

### With TWH500 TightWire™ wire gripping handles

This kit includes one roll of our SSW508 Squire™, one set of TWH500 TightWire™ Grips and one WS782 Wirestarter™. The Wirestarter™ is a hollow, stainless steel tube that is pushed through the urethane. The wire is then fed through the tube and the tube is removed, leaving the wire started through the urethane. To use the grips, unscrew the two halves, insert the wire into the small hole, bend the wire over, and pull it around the center at least one time. Then, twist the handles back together tightly. Made in the USA.

SQK210



## Money Saving Kits

## Squire™ Start-Up Kit

### With LWH200 GripTite™ wire gripping handles

Many of our customers prefer the LWH200 gripping handles. The kit includes one roll of our SSW508 Squire™, one pair of LWH200 GripTite™ wire gripping handles, and one WS782 Wirestarter™.

SWK202



## Centerstart™

Many technicians remove difficult windshields by starting the wire through the top and bottom center of the windshield, then cutting towards each side. On many modern vehicles where the urethane is far below the dash, the wire can be almost impossible to start without Centerstart™. It is made of 1/16" spring steel and has a slot cut in the tip. To start, place the wire into the slot, then push the sharpened tip through the urethane. The wire stays in place while you remove Centerstart™.

CS789



## T-Handle Centerstart™

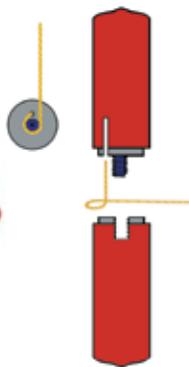
This wire starter is similar to the one above, but with a T-handle. Some people prefer this type of handle and feel they can push the T-Handle Centerstart™ through the urethane easier. It is made with a stainless steel blade and a plastic injection-molded handle that is contoured to fit your fingers.

JN1130





# Tools For Using Cut-Out Wire



## TightWire™ Grips

These grips hold cut-out wire quickly and securely. They work equally well on solid, square or braided cut-out wire. To use, unscrew the two halves and fully insert the wire end into the hole. Bend the wire over and pull it around the center at least one time. Then twist the handles back together tightly. It is made of aluminum with red Neoprene handle covers. Each set contains two handles. **TWH500 " Set of 2**



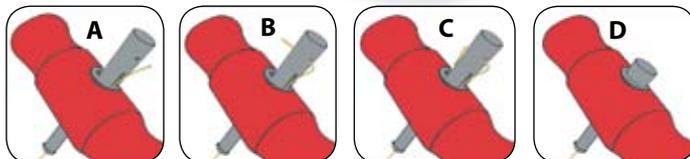
## GripTite™

**Wire gripping handles with quick wire release.**

A grip with a hollowed-out, wedge-shaped shaft is the secret to these unique wire grips. Feed the wire through the hole in the wedge shaft, loop it through the hole at the top of the shaft and then back into the large plastic handle.

By pressing the wedge back into the handle, the wire is held in place. To shorten the wire, press down on the front part of the shaft, releasing it from the handle, and adjust your wire. The GripTite™'s special design keeps the wire away from your fingers at any angle. Its contoured handle gives you a non-slip grip.

**LWH200 " Set of 2**



Feed the wire through the hole in the wedge shaft (Fig. A), loop it through the hole at the top of the shaft (Fig. B) and then bring it back into the handle (Fig. C). By pressing the wedge back into the handle, the wire is held in place (Fig. D).



## Aluminum GripTite™

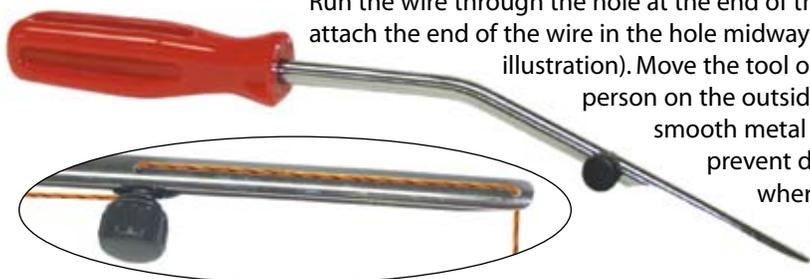
**Wire gripping handles with quick wire release.**

These are the same high-quality handles that are listed above, but instead of being made of plastic they are made of aluminum. The aluminum has a nice satin finish. Our LWH200 plastic handles never break, but some people feel more comfortable and have more confidence in a metal handle.

**ALW269 " Set of 2**

## Wire Guide

The Wire Guide's long, narrow shaft protects the dash and interior mouldings from being damaged. Run the wire through the hole at the end of the tool. Then, with the wire on the round side of the tool, attach the end of the wire in the hole midway up the shaft, locking it in place with the set screw (see illustration). Move the tool on the inside of the vehicle a few inches at a time. The person on the outside of the vehicle follows along doing the cutting. The smooth metal will move under the mouldings and along the dash to prevent damage. The Wire Guide can also be used on the outside where the urethane is far below the dash but above the bottom edge. Use this tool to change the direction of the wire so you can cut this inaccessible urethane.



**DGE100**

# Tools For Using Cut-Out Wire



## SideWinder™ Kit

**One-man wire cut-out tool. Pulls the wire back after you make a cutting stroke.**

The SideWinder™ acts like another person sitting inside the vehicle pulling the wire back after you have made your cutting stroke. Designed by an Auto Glass Technician, the SideWinder™ is manufactured with a powerful vacuum cup that is attached to the inside of the windshield. An aluminum swivel, riding on a ball bearing, allows the swivel to follow the wire. Attached to the swivel is a spring that acts as a second person; you pull the wire out to make your cut and the spring pulls the wire back in. You use different areas of the wire because the distance is greater from the center to the side than from the center to the top or bottom of the windshield. Kit contains one SideWinder™ cut-out tool, one roll TW72 TightWire™, one WS782 Wirestarter™, and one TWH500 TightWire™ grip. Made in the USA.



Patent Number 5622093



**VSR73**

## Protect-A-Dash™

When you are removing a glass with a cut-out wire it is easy to damage the dash, garnish mouldings, the headliner, or the VIN plate. VIN plate protection may be the single most important reason for purchasing the Protect-A-Dash™. If you cut the VIN plate off of a new vehicle, the vehicle cannot be sold, and you do not want to go through the problems of qualifying the vehicle for a new VIN plate. Even if you do, the new VIN plate looks totally different. Saying your customer will not be happy is an understatement. The Protect-A-Dash™ is an easy way to prevent that damage. Each side of the dash protector is made to perform a specific function. The side that goes against the windshield is a slick, tough nylon so the wire will slide easily across the dash protector. The nylon is flexible so it easily contours to radically-curved dashes and is rounded at the bottom to fit down into the corners. The back side is a durable, non-skid foam pad that both protects the dash and prevents the dash protector from slipping out of position. Made in the USA.



**Protects the VIN plate. Read explanation at left about why this is extremely important.**

**CU1077**

## WireGuard™

Many technicians use steel wire to remove windshields. One problem you often encounter is the wire cutting into the garnish mouldings or headliner. To prevent this, most technicians use a installation stick to hold the wire against the glass, but it is difficult to hold the stick and cut at the same time. Our WireGuard™ solves this problem for you. It is made with a vacuum cup on each end, a steel band between the vacuum cups and a steel rod which runs the length of the steel band. The steel rod gives strength and provides a smooth surface so the wire will slide easily without cutting into it. Spray water on the inside of the glass and you can slide the WireGuard™ along as you cut, no need to remove and replace it. Made in the USA.



Invented By  
**Tim Slaughenaupt**  
See page 4.



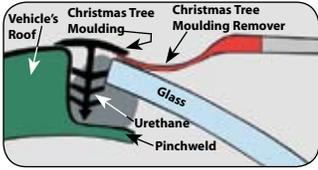
**GWH366**



# Moulding Removal & Replacement

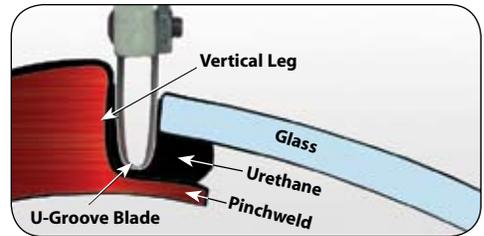
## Christmas Tree Moulding Remover

Without the right tools, Christmas tree mouldings are often difficult to remove. Sometimes, you cannot find a place to start prying them up. Flat screwdrivers do not always fit under them because the mouldings lie tight against the glass. Even if you get a flat screwdriver under them, you still damage the mouldings since you cannot get the proper leverage. Equalizer's Christmas Tree Moulding Remover solves these problems. It is thin enough to fit under mouldings and wide enough so the tool will not tear them. The long curve gives you leverage to pry against the glass. The wide shank is coated with a piece of soft plastic so it absorbs shock and is less likely to break the glass. Made in the USA.



**RFM683**

**WARNING! This tool is intended to pry Christmas tree mouldings. Prying anything else may damage the tool and will void your warranty!**



## U-Groove Cut-Out Knife

This tool solves the problem of prepping the vertical leg. It allows you to remove urethane from the pinch weld without damaging the vertical leg. This tool also removes old urethane from encapsulations. Two different width blades let you cut narrow or wide grooves. Available with or without a pull handle. Comes with two blades, one small and one large.

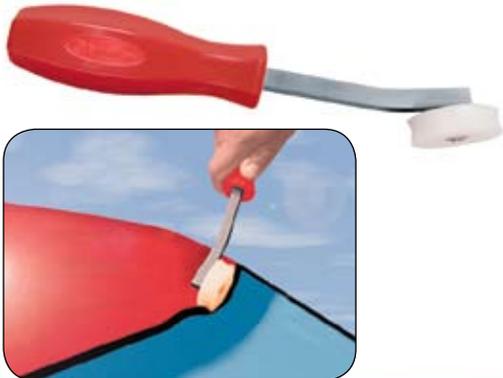
- UCH319 " With Pull Handle**
- UCC320 • Without Pull Handle**
- UCS321 " Small Groove Blade**
- UCL322 " Large Groove Blade**



## Moulding Hold Down Tool

The corners on today's mouldings will often raise up and leave an unsightly gap under them. Taping these mouldings down can be disastrous because the tape will sometimes attack the paint and, in the worst case, remove it. Our Moulding

Hold Down Tool is attached with a vacuum cup. Pressure is then applied to each end of the tool by tightening the wing nut and putting upward pressure on the vacuum cup, thereby putting downward pressure on both ends. It is made of high-impact plastic. **PHT318**



## Flush-Mounted Christmas Tree Moulding Installer

Most of us have used our thumbs to push a flush-mounted moulding back in place after we have installed a glass. Many times this method produces an uneven and rippled appearance. With this tool you can simply roll the moulding back in place, it presses the moulding deep into the urethane and gives it a smooth, untouched appearance. The Flush-Mounted Christmas Tree Moulding Installer is made with an aluminum shaft and a heavy-duty nylon roller that contours to the shape of the moulding. Made in the USA.

**CTM310**



# Windshield Leverage Tools



## The Expander™

To use The Expander™, first cut the top and sides of the glass loose from the urethane. Then, from inside the vehicle, insert The Expander™ between the pinchweld and the top edge of the glass. Allow the lip of the outside jaw to rest on the top of the glass and the inside jaw to rest on the pinchweld. Squeeze the handle and this will move the glass away from the pinchweld. If you want to move The Expander™ from one place to another, press the latch and release some pressure. You can then move it anywhere along the top edge of the glass. The Expander™ is designed with high-pressure ratcheting movement that will put tremendous pressure on the glass, so use proper care not to apply too much pressure.

**HET544**



## Equalizer® Pumper™

This device helps prevent neck injuries to the Auto Glass Technician. The thick band of urethane across the bottom of a windshield is difficult to cut from the outside of the automobile and must be cut free from the inside. Technicians sometimes use the top of their heads to push out on the top of the windshield as they cut across the bottom. We developed this inflatable bag to push out on the glass for you. It exerts over two hundred pounds of outward pressure over a one-foot area. You will find it useful in any area where you want to exert constant outward pressure while cutting urethane. The Equalizer® Pumper™ is made with a tough, vinyl-encased exterior. Made in the USA.

**LB779**



Invented By  
Eric Asbery  
See page 4.



## NeckSavers™

Many windshields today must be cut out from the inside. This is especially true when the urethane is above the bottom edge of the glass, but below the dash. Many technicians use their heads to push against the glass while they are cutting the urethane. This can cause damage to the neck and should never be done. NeckSavers™ are made of plastic so they will not damage the paint. To use them, you cut the top and sides of the glass, push out on the glass and put the NeckSavers™ in place. As you make your cuts along the bottom, push out on the glass with your hand and the NeckSavers™ will roll down the post and keep the glass elevated. As more of the urethane is cut, just put a small amount of upward pressure on the glass (with your hand) and the NeckSavers™ holds the glass up. Made in the USA.

**NS362 " Set of 2**



## SUPERWEDGES™

There are a lot of ways to hold a windshield out while you cut the wide band of urethane at the bottom. SUPERWEDGES™ are rigid enough to hold the glass up, but soft enough that they will not scratch the paint on a vehicle. Ridges are cast into the SUPERWEDGES™ and are about 1/16" deep on each side. This gives them gripping power to stay in place.

**JT1144 " Set of 2**





# Rearview Mirror Removal Tools



## Equalizer® Mirror Hex Wrench

Clip it in your shirt pocket just like a pen and you always have a rearview mirror removal tool handy. Two-sided hex wrench fits all domestic vehicles.

**MB744**



## Equalizer® Mirror Bracket Wrench

Has a T-15 Torx® for General Motors' rearview mirrors on one end and a T-20 Torx® for Fords on the other end.

**MB743**



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STORE  
SEE PAGES 2 & 3



## Equalizer® Mirror Torx® Wrench

Use this handy tool on models with Phillips head screws, or flip it over and use the T-15 Torx® on most domestic models.

**MBR600**

Updated Design For Newer Model Vehicles



## Ford Rearview Mirror Removal Tool

Removing the rearview mirror from Ford products is no longer a problem. Simply slide the blade between the mirror bracket and the mirror. A gentle rocking motion with the tool, using upward pressure, will dislodge the mirror.

**FMR482**



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## Mirror Bracket Wrench

*For breakaway mirrors held on by a spring clip*

Most vehicles have a rearview mirror that is held in place by a spring clip that detaches the mirror when the air bag is deployed. When removing the rearview mirror, you need to pry up from under the bottom edge. To use this tool, place it under the bottom edge of the rearview mirror where it attaches to the bracket and push the tool toward the glass.

This motion will pry the mirror up and off of the bracket. Made in the USA.

**GM602**



## 3-Pocket Tool Holder/Glaziers Pouch

The perfect way to carry your rearview mirror tools. These small tool pouches have been around the industry for years. I have seen them on glass technician's belts and I am sure the pouches were 30 years old. It is made of top grain leather, nylon stitched and reinforced with rivets. They are a quality product that will last for years. The loop belt attachment will fit belts up to 2" wide. Tools not included.

**GK1152**

# Rearview Mirror Tools



Remove the mirror, but leave everything else attached to the glass.



The unique bent-angle design of the LRR243 compression jaws prevents the clip from coming off of the tips and being lost.



Invented By  
Dominic Lucado  
See page 4.



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The ball bearing holders can fall out unless the pressure clip is put in place. They are very difficult to install after the glass has been installed.



**WARNING!** Never make any alterations to this rearview mirror bracket! It is how the rearview mirror breaks away when the air bags deploy.

## Lexus Rearview Mirror Removal & Assembly Tool

### For Lexus 300, 330 and some Toyota models

If you have ever worked on one of these rearview mirrors there is no need to tell you how annoying they are. A pressure clip holds two small ball bearings in place. The ball bearings lock the rearview mirror assembly to the windshield bracket. When removing the rearview mirror assembly, we recommend that you take the screw out to release the rearview mirror and leave everything else attached to the glass. Once the glass is laying flat on your windshield stand, you can remove the pressure clip with Equalizer's Lexus Rearview Mirror Removal & Assembly Tool. Use care not to lose the ball bearings (Okay, we know you are going to lose them, so buy a few for when that day comes).

Taking the assembly and bracket apart is not nearly as difficult as putting them back together. We suggest putting the bracket on the windshield before installing the glass. When installing the hardware, make sure the guide pin on the removable bracket aligns with the opening on the windshield bracket, squeeze the pressure clip and place it inside the bracket so it holds pressure on the two ball bearing supports. The unique design of the LRR243 hooks and holds the pressure clip so you do not lose it.

**LRR243**

## Lexus and Toyota Rearview Mirror Replacement Ball Bearings

Sooner or later you are going to lose a ball bearing when replacing a Lexus or Toyota rearview mirror! When you do, you cannot go up to the local store and buy one (not even to a ball bearing store) because they are metric size ball bearings and nobody stocks them. So, order a package of them now and when you need them they will be laying in your toolbox. You cannot reinstall the rearview mirror without the ball bearings.

**TN1436 " Package of 6 Ball Bearings**



## Pocket Screwdriver

*It's handy for rearview mirrors.*

The Equalizer® Pocket Screwdriver may be one of the handiest tools you will ever own. It is six different screwdrivers in one. Open the snap cover and you have T-15 and T-20 Torx® for cowl screws or rearview mirrors, two hex tips, 5/64" and 3/32", for Chevy rearview mirrors, a 3/16" straight slot tip and a #2 Phillips to remove the cowl screws or the rearview mirror on some vehicles. The magnetic extension and six tips fit neatly into a 1-3/4" by 2-1/2" carrying case that acts as the handle when the screwdriver is assembled.

**PS355**





# Rearview Mirror Tools



The concave jaw pushes the ball back in place.

## Rearview Mirror Assembly Tool

This tool will pay for itself in one use because most rearview mirrors are tremendously expensive. Many rearview mirrors are designed to come off of the mounting bracket when hit by the air bag. Because of the way they are manufactured, many manufacturers tell you to just grab the mirror and pull it off because there is no way to get anything under it that is strong enough to pry it off. This works well most of the time, but occasionally you have a stubborn rearview mirror



that is difficult to remove. Sometimes you actually pull the head off trying to get the rearview mirror to release from the bracket. With our Rearview Mirror Assembly Tool, you can put them back together in seconds, and because of the design, you can crimp the metal back around the ball so it is as good as or better than new.

**RVR240**

Invented By David Hinton See page 4



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## Rearview Mirror Installer

*Install spring-loaded rearview mirrors with ease.*



Since their introduction, more and more innovations have come about because of air bags. One of those innovations is the spring-loaded rearview mirror, which is designed to detach from the windshield when hit by the air bag. These rearview mirrors are easy to remove, but almost impossible to mount. Our Rearview Mirror Installer makes the job easy. In fact, after you have purchased one of these tools you will look forward to your next spring-loaded rearview mirror installation. No longer will you have to force the rearview mirror on and risk breaking the windshield. Just set the upper jaw against the rearview mirror, put the lower jaw against the mounting bracket and squeeze the handles. The mirror is forced quickly and easily onto the mounting bracket with little or no chance of breaking the glass. Made in the USA.

**RMI309**

Invented By Douglas Buckley See page 4.



## Rearview Mirror Removal Tool

Removing spring loaded and twist-off rearview mirrors without damaging them is difficult. This tool solves that problem, it has soft rubber jaws to prevent damage to the rearview mirror post. To remove these mirrors you should grip the mirror near the lower swivel and pull or twist to remove it from the mirror bracket. I know what you are thinking, "I have a pair of channel locks so, I'll just order the jaws." The problem is the channel locks are made with a special recessed area to accommodate the round part of the mirror, so the jaws will not fit on normal channel locks.

**GRP159**

Invented By Bruce Newkirk See page 4



# Rearview Mirror Adhesive & Buttons



## Loctite® Rearview Mirror Adhesive

This has been an industry standard for 35 years. No other adhesive will bond a rearview mirror bracket to a glass quicker or more securely. To use Loctite®, you clean the glass thoroughly and then spray a generous amount of Minute Bond Primer on a clean mirror bracket. Spray the glass where the bracket will be installed, let the primer dry and apply two drops of Loctite® Minute Bond Adhesive to the bracket. Position the bracket carefully on the glass and you are ready to install the rearview mirror. Be careful to place the mirror button exactly where you want it because removal can be almost impossible. Most technicians mark a place on the outside of the glass when they are reinstalling a rearview mirror bracket. This way they know exactly where it goes. Kit contains .80 fluid ounces of Minute Bond Adhesive and 6 ounces of Minute Bond Primer.

3325



3325 Kit includes these two items in this box.



## Loctite® Rearview Mirror Adhesive Economy Package

Contains .2 fluid ounces of Minute Bond Adhesive and 1.33 fluid ounces of Minute Bond Primer.

3346 " Kit Contains Minute Bond and Minute Bond Primer

3346



**WARNING!** Wear safety glasses and nitrile gloves when using these products.

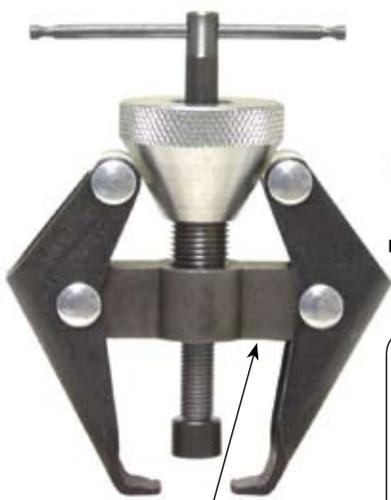
## Mirror Buttons, 10 pcs per bag

Part #	Application	NAGS® Reference
700001	Chrysler, Dodge, Jeep	DW952 / 999 / 1028 / 1057 / 1077/ 1118 / 1140/ 1142 / 1179 / 1224 / 1225 / 1226
700002	Chrysler, Ford, GM (< 1986)	DW848 / 952/ 1027 / 1141 / 1285 / 1321
700003	GM	DW1160 / 1168 / 1191 / 1192 / 1193 / 1194 / 1195 / 1265 / 1283 / 1288 / 1299 / 1417
700004	Older Ford (Various)	DW907 / 910 / 911 (old style)
700006	GM	UNIVERSAL
700008	Honda (US model)	FW703 / 705 / 732 / 787
700014	Ford (Conventional)	DW1099 / 1169 / 1170 / 1256
700015	Ford (Break Away)	DW1206
700023	Audi / VW	FW805
700026	Honda	FW2063 / 2064 / 2069





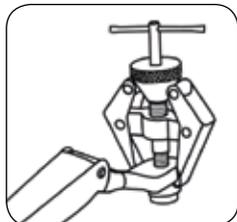
# Windshield Wiper Removal



Steel cross-member



Revolving concave head does not slip off of wiper bolt.



## Wiper Puller For Bolted-On Wipers

Because windshield wipers have become larger, wiper arms are pressure-fitted to the posts so they will not slip. They are then secured with a nut to hold the arm in place so they will not lift. Until now, it was almost impossible to remove these wiper arms without breaking or damaging them or scratching the cowl. With the Equalizer® Wiper Puller For Bolted-On Wipers, simply remove the wiper nut, slide the tool over the arm until the jaws touch the wiper post, then turn the T-handle clockwise until the wiper arm pops from the wiper post. Comes with a revolving concave head to keep it from slipping off of the wiper bolt and has a steel joining cross-member for extra strength.

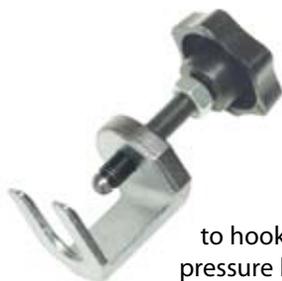
**WP534**



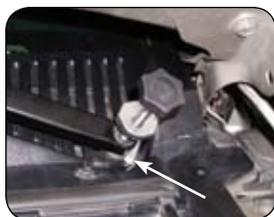
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**WARNING!** Do not hook the pulling arms under the windshield wiper post.



**TWR609**



to hook the wiper post) then place the pressure bolt over the head of the windshield wiper bolt and screw the pressure bolt down. Rock the arm up and down and the arm will come off of the bolt. The small compact design fits easily in small spaces. Made of steel with a durable plastic handle.

## Windshield Wiper Arm Removal Tool

Over the years, many vehicles have adopted the bolt-on design for windshield wipers. Even though they are not large, the wipers can be almost impossible to remove because the wiper arms are made of one type of metal and the post is made of another type of metal. This causes a type of corrosion called galvanic corrosion and it is almost like they are fused together. With our Windshield Wiper Arm Removal Tool, you can place the prongs under the arm (use care not



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SEE PAGES 2 & 3



One end is wide and has a concave lip to work on the older-style wiper post. The narrow end, designed for newer vehicles, has a longer lip that allows you to put pressure on the tip and sides of the wiper arm to easily release the arm from the post without any damage to the vehicle.

**DWP171**

## Deluxe Wiper Arm Puller

This tool has a rubber cover on the handle for a comfortable grip that will prevent scratching and chipping to the wiper arm. Each end of the puller is a different size and depth to allow you to use this tool on virtually any vehicle.



## Windshield Wiper Removal Tool

This tool makes wiper arm removal fast and easy. Simply place the hook under the wiper arm base, squeeze the wiper arm and tool handle together to release the tension on the spring, then lift the wiper arm off. Made in the USA.

**WR750**

# Cowling Clip Removal Tools



## Cowling Clip Removal Tool

Most expansion fasteners are not designed to be taken apart. They are an example of the manufacturers designing vehicles for manufacturing and not for repair. The expansion screw that goes down into the center is not really a screw, but a push-in clip that is made to look like a Phillips or TORX® head screw. On many new vehicles, the expansion fasteners are down in a recessed area and cannot be easily accessed with existing tools. Our Cowling Clip Removal Tool has a small screw that screws into the plastic head and grabs onto the inside of the screw head. Use the knurled knob to screw the center part of the tool into the screw head, then take the impact slide to the bottom, bring it up quickly to strike the top of the tool, and the screw is instantly pulled out of the clip. The clip will then collapse and can be easily removed. Made in the USA.

**PSR253**



**Removes expansion fasteners quickly and without damage.**



Invented By  
**Tate Crump**  
See page 4.



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## Cowling Clip Removal Tool

**Removes expansion fasteners quickly and without damage.**

If expansion-type cowling clips worked the way they were designed, you would simply unscrew the plastic screw and the clip would come out. Unfortunately, they seldom work correctly (some are not even designed to be taken out). Our Cowling Clip Removal Tool has a small sharp screw that screws into the plastic head and pulls the screw out. The clip will then collapse and can be easily removed. Made in the USA.

**CCR819**



Invented By  
**Derek Critzberg**  
See page 4.



Twist knurled head and the screw grips plastic screw.



Squeeze handles and screw is pulled out.



Common cowling fastener.

## Clip Removal Tool

There are many small clips you must remove when working with automobile glass. Many cowlings and drip gaskets around the cowlings are held on by these small clips. It is difficult to find a tool that will go under the head of these clips. Our Clip Removal Tool has both sharp tips and a V-groove that is sharpened so it will slip under the head of the clips. Simply push the handle down and pry the clips out.

**TPE657**



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## Recessed Cowling Clip Remover

Some self-locking cowling clips are recessed down into the cowling. They are not the type that look like a Phillips or TORX® screw, but are the type that can be removed with a tool like the TPE657. The only problem is the TPE657 will not reach down into the recessed area and go under the head of the clip. If you manage to force it under the head of the clip, you can damage the cowling around the recessed part. This is where our Recessed Cowling Clip Remover becomes the most useful tool in your toolbox. It will fit easily down into the recessed area and then can be slid under the head of the cowling clip. You then pull up on the center locking part and the clip can be removed.

**CTD607**



Invented By  
**John Buer**  
See page 4.





## Useful Tools

### Honda Civic Cowling Clip Tool



The Honda Civic's clip must be twisted so that it will come out and release the cowling. After these clips have been in place for a few months, they seem to wear into the cowling and can be difficult to twist. If you use a screwdriver to push against the side of the clips, they can be easily damaged. Even when using pliers you cannot grasp the clips firmly because of the sloping sides. Our Honda Civic Cowling Clip Tool is made with a slot that perfectly fits the top of the clip and allows you to quickly turn it so the clip will release, and the cowling can be taken off. The clip removal tool encases the lower part of the head to prevent damage to the head. Made of aluminum and made in the USA.

**HCC447**



6-1/2" long

### Hook And Pick Set

One of the things most technicians do not have is a good set of fingernails. For that reason it is often difficult for us to get a hold on an item that fits tightly against another item. Our Hook And Pick Set comes in four different configurations to help you get under and pry up the smallest items. The straight pick also works great when you are trying to align small holes.

**HTS923**



### WiperClamps™

These clamp around the windshield wiper and have a set of teeth that hold them firmly in place. They cannot be released until you pull up on the catch that releases the teeth. One says DRIVER and the other says PASSENGER so you can easily identify the windshield wipers when you replace them on the vehicle.

**KA1227**



### Antenna Removal Wrench

Many technicians set a windshield from the passenger side. One problem with doing this is that the antenna can be in the way. This handy little tool has a notch cut into the side that will fit most antennas so you can quickly unscrew them and take them out of the way. Antennas are sometimes broken along with the windshield and technicians are asked to replace them. This wrench fits the four most common foreign and domestic antenna retaining nuts. It eliminates damage and makes the removal and replacement of these nuts quick and simple.

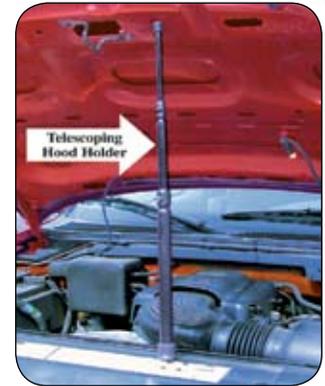
**21600**



## Telescoping Hood Holder

On many older vehicles it is common to find the hood holder damaged or missing. Body shops are notorious for leaving these off until the vehicle is completely repaired. When this happens, you must find a way to hold the hood up while you remove and replace the cowling. It is at this precise minute that you cannot find a broom, mop, tree limb or anything else to hold the hood up! Put one of these expanding hood holders in your toolbox and you will never have the problem of holding the hood up again. Collapses to 20" in length and will expand up to 47" long. Made in the USA.

**THH312**



## Gas Lifter Locking Device

Over a period of time, the gas lifters that hold the hood up on a vehicle can go bad. When you open the hood, the gas lifters will not hold it up. This small, easy-to-use device solves that problem. Raise the hood or rear glass on a hatchback and attach the lock to the metal rod on the gas cylinder. It will stay in place until you are finished with the job. A bright fluorescent flag alerts you that it is still in place when the job is finished.

**PJ1257**



## Defroster Repair Kit

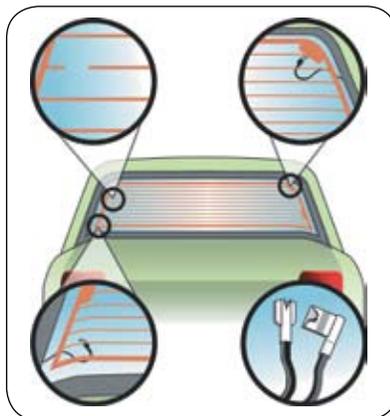
**You can pay for the kit with two repairs.**

Repairing a damaged defroster is easy with the proper supplies. Our repair kit comes with everything you need to make dozens of repairs. Each kit contains a special applicator pen that allows you to reconnect the electrical grid when it has been damaged. The most common problem with defrosters is the electrical connection coming loose from the glass. This is easily solved with our conductive epoxy. To attach a new tab, or reattach the old tab, sand the area lightly to remove oxidation from the old defroster grid. Attach the tab and let the epoxy dry for 20 minutes, then you are ready to reattach the lead wires. If the tab is just released from the grid material, it can usually be re-soldered. The problem is, solder is in a small wire form and it is difficult to hold in the proper place. The solder in this kit is in a paste form so it can be put on both the tab and the grid, and then easily melted together. Sometimes the electrical connectors on the ends of the wires can be damaged and for this reason the kit includes several types of replacement connectors. Everything is neatly packaged in a plastic box.

**RY1395 " Defroster Repair Kit**

**M20102 Defroster Solder (0.25 oz.)**

**M20100 Conductive Epoxy (Combined 0.50 oz.)**



**WARNING! Must be stored in a cool dry place.**





# Moulding Release Tools



**ClipFork™** pushes all the locking tabs down at the same time.

## ClipFork™ Clip Remover

Honda and Acura vehicles have some of the most annoying clips to remove. The step clip used on most of their vehicles has 4 individual locking tabs on each side and they are staggered so a locking tab will catch as you push the moulding into place. Push the moulding down a little further and the next tab will catch. This is how Honda and Acura achieve that perfect fit, with an adjustable clip. This works great for them, but it is a nightmare for the technician. To remove this clip you must push in on one tab (on each side), pull the clip up about 1/16", then the next set of tabs will catch and you must then push in on that set. Sometimes you must do this 4 times on each side just to remove one clip. Our ClipFork™ solves this problem by pushing down on all the tabs at the same time. When the ClipFork™ is inserted into the clip opening it allows you to pull all of the locking tabs up past the retaining catch. Made of super tough 1/4" polycarbonate and thinned down to 1/8" to fit inside the clip release opening.

**MCR633**



## Moulding Release Tool

Slide the tool left or right under the moulding until it hooks a retaining clip. Rock the tool with a twist of the wrist to pull the clip out slightly. This releases the moulding from the clip. Heat treated, high-carbon steel.

**MR747**



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## Double-Direction Moulding Release Tool

One challenging thing about being an Auto Glass Technician is never knowing what the next job will bring. You might be working on a state-of-the-art vehicle one hour and a few minutes later be working on a vehicle that is 30 years old. There are still a lot of vehicles around that have clips holding the mouldings in place. This type of clip tool has been an industry standard for 45 years. Our Double-Direction Moulding Release Tool is made of hardened steel with a long, easy-to-grip handle.

**IW1214**



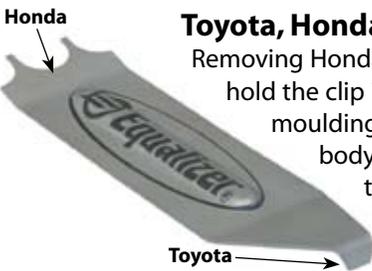
## Double-End Moulding Release Tool

This type of moulding release tool has been around the industry for years. We have put it in our catalog because so many people asked us to carry it. Our Double-End Moulding Release Tool is made of steel so it will not bend. It has a small rubber spacer through each end to hold the tool up off of the glass about 1/32". This is important for two reasons. First, it prevents the tool from scratching the glass. Secondly, it holds the end above the glass so there is less of a chance the tip will catch the edge of the glass and break it.

**DEC381**



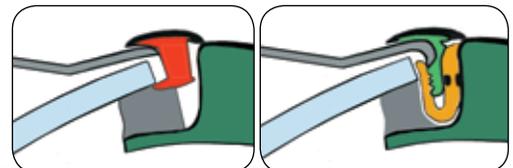
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## Toyota, Honda, Infiniti, Acura & Subaru Clip Remover

Removing Honda clips is difficult because the clip presses into a series of "teeth" that hold the clip in place. To remove these clips you: (a) slide the clip remover under the moulding, (b) push the tool down between the clip part that is attached to the body and the part that is attached to the moulding, (c) then pry up lightly. This disengages the teeth and releases the clip. To remove Toyota clips, push toward the pinchweld and push the tool handle toward the glass, prying the clip up. Made in the USA.

**TCR370**





## Compact C-Clip Remover

C-clip removers are an item that every technician has in his toolbox, but those C-clip removers will not always fit into the tight spots and compound curves on today's vehicles. Some of the most common vehicles on the road have this problem. Among them are the Chevrolet Venture, Pontiac Transport, and Oldsmobile Silhouette. These are just a few, there are many more. The Compact C-Clip Remover has a flat design that will let you use it from the top or the bottom and from the right side or the left side. This small tool is definitely one that no technician should be without.

**JCS452**



## Window and Door Clip Remover

Works on GM, Ford and most common C-clips. Flared sides prevent the metal from damaging the door panel. Unique back-end firmly holds the clip for easy installation of the C-clip back into the handle. Made in the USA.

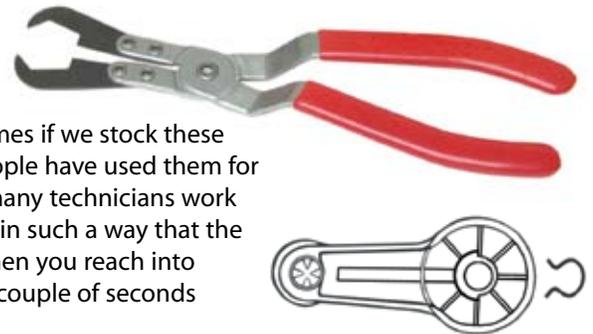
**CT749**



## Window and Door Clip Removing Pliers

A lot of technicians used this type of clip remover when they first entered the business. Over the years, many people changed to the type that pushes the C-clip off of the door handle. For that reason, most companies discontinued this type of clip remover. Each year we are asked dozens of times if we stock these and there are two reasons why people ask. The first reason is that some people have used them for years and are comfortable using them. The most important reason is that many technicians work on older vehicles, and many of those older vehicles have handles designed in such a way that the clips cannot be removed by the push-type remover. Those are the times when you reach into your toolbox and get out these C-clip removers and remove the C-clip in a couple of seconds instead of fighting with it for 20 minutes.

**PI1256**

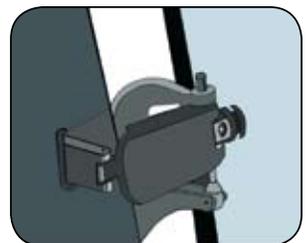
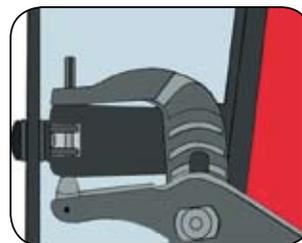


## Pin Removal Pliers

**Remove and replace swing or pop out friction pins.**

There is a problem that every Auto Glass Technician has faced. How do you remove the friction pin from "swing or pop out" windows without breaking the latch? The answer is Equalizer's Pin Removal Pliers. The jaws have five adjustable settings that will fit any swing or pop out window. To remove the friction pin, open the jaws wide enough for the plier push pin to engage the friction pin. When reinstalling the retainer pin, swing the plier push pin around until it is upside down and use the depression in the plier push pin to hold the friction pin in place. Start the friction pin and then use the plier push pin to push the friction pin into the latch. Made in the USA.

**PRT305**



Invented By  
Blaine Neste  
See page 4.





# Door Panel Removal Tools

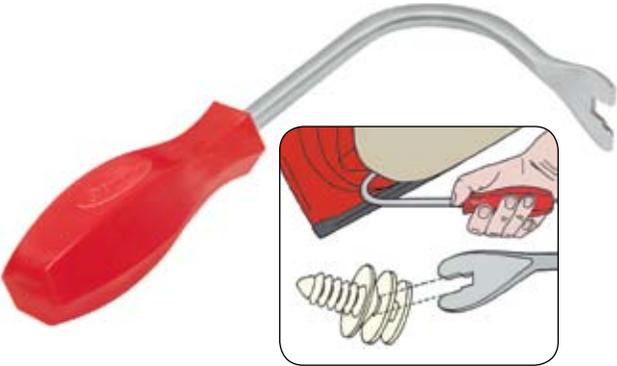


## Door Upholstery Remover

*For plastic or metal fasteners*

Place the tool under the edge of the door upholstery panel and insert it into the fastener as far as possible, then simply pry up. It is made of hardened steel with a polished finish, and is a rugged tool that will last a lifetime. Large, comfortable handle.

**DUR748**



## Curved Door Upholstery Remover

*For removing plastic or metal fasteners in confined places*

This is the same upholstery remover as the one shown above, but it is intended for use on the front part of the door where the door jam will often interfere with the removal of the door panel. Place the notch in the tool over the fastener and pry the fastener out of the hole. It is a rugged tool that will last a lifetime.

**PH1355**



## Door Panel Removal Tool

Originally, these types of tools were made using a metal that was not very hard and could easily be bent. For this reason, we redesigned it using a much harder metal than the original. Bending is no longer a problem. Made of hardened steel in the USA.

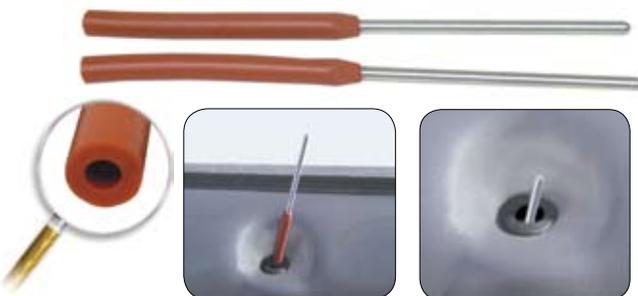
**DCR244**



## Clip-Zip® Clip Removal Tool

This tool makes the frustrating job of clip removal simple! Remove door panel clips and interior moulding clips with ease. Simply slide the jaws of the tool under the head of the clip and squeeze down on the handle. The outside portion lies against the body while the inside portion grabs the clip firmly so it can be lifted up without damaging the cardboard or plastic panel. Made in the USA.

**CZ444**



## Wiggliestick™

*Helps you thread the lock rod through the opening*

Wiggliesticks™ are extensions for the threaded lock rod that is used on most vehicles. One end is made of rubber and can be pushed onto the threaded lock rod. The front aluminum rod can be put through the opening in the door panel. You can then move the door panel around in any direction to allow it to hook into place. The Wiggliestick™ guide stays in the opening to guide the lock rod into place. Once the door panel is in place, pull on the Wiggliestick™ and it will pull the lock rod through the opening. Pull harder and the Wiggliestick™ comes off so you can put the lock button in place.

**ML1287**





## Door Panel Clip Removal Tools

A few years ago, you could own one door panel clip removal tool and it would work on every vehicle on the road. This was because most clips were located near the edge of the door panel. Today, you might find a clip anywhere. Some clips are near the edge, some are far back under the edge, and some are in locations that are almost impossible to reach. Some vehicles have a door skin made of metal so thin that a rounded clip removal tool will bend the metal.



Here at Equalizer, we spent several months designing a set of door panel clip removal tools that will work on any vehicle. There is a size to fit everything and even a V-groove tool that will remove those small clips on the cowl. The large curved tool is for removing clips on the front part of the door panel because some doorjambes are so close a regular clip removal tool will not work. The other Door Panel Clip Removal Tools have different size openings that will grab and hold the clip, and different lengths so you can put them far behind the door panel to reach deep-recessed clips.

The Door Panel Clip Removal Tools are made of the highest-quality, heat-treated stainless steel and are fully polished to produce a set of tools that is as beautiful as it is functional.  
**CRT250 " Set of 5 Tools**



Spread jaws slightly



Slide under the clip, squeeze and pry up



## Door Upholstery Remover *Removes and saves all types of clips*

Many clips fit tightly into the hole and against the surface of the vehicle. This tool removes, without damage, all types of clips. The front of the tool is tapered so it will fit easily under a clip. Spread the jaws slightly so they will go under and around the clip. Then, close the jaws and it removes the clip without damaging it. Great for removing door panels. Made in the USA.

**SCR696**

## Clip Removal Tool

Many of today's vehicles have clips that are located deep under the panel. To remove these clips you need a flat tool that will reach under the panel without prying the panel up. Our BT590 will reach a full 4" under the panel to remove the deepest clips. The other end is 2" deep so you can turn it around to remove normal clips.

**BT590**



Invented By  
**Bobby Thompson**  
See page 4.





# Useful Tools



Depending on availability, frame colors may be red or blue.



## Equalizer® HEADLIGHTS™

What an idea...combine two items that every glass technician should not be without. The Equalizer® HEADLIGHTS™ are a pair of lightweight safety glasses combined with two ultra-bright LED lights, which burn longer and brighter than conventional bulbs. Each light has its own on/off switch, can pivot up or down, and the batteries are even replaceable! They feature adjustable nose and ear pieces to fit any face. Equalizer® HEADLIGHTS™ are a safe, hands-free lighting solution. Includes four 9-Volt CR2032 batteries.

**TW1442**



## Clip Installing Tool

Many door lift clips break easily, but can be repaired by replacing just the clip. You can purchase the clips as a separate item, then all you need to do is remove the door panel, slide the old broken clip out, slide

the new clip in place, and squeeze the oval head into the clip. The oval head is behind the guide channel and is not accessible with pliers, channel locks or vise grips. The parts around the clips are weak, so you cannot pry against them to put the clip together. With our Clip Installing Tool, you can easily squeeze the oval head into the clip. You will not need it every day, but when you need it you will be able to do a job in seconds that you might not be able to do with any other tool in your toolbox. A high-quality tool made to last a lifetime.

Made in the USA.

**PG295**

Invented By  
Heath Maxwell  
See page 4.



## Wedgie™

**Supports the channel while you drill out the pop rivets**

When a door glass breaks it can be very difficult to drill the pop rivets out of the channel, because there is nothing to support the channel. The Wedgie™ holds the channel in place so you can drill out the pop rivets. It has a slotted opening that allows the back part of the glass holder and the rear part of the pop rivet to be cradled inside so the channel is rigid and will not move around. This type of channel is common on Fords (Ranger, Econoline Van, Mustang, Explorer, Taurus) and many GM vehicles.

The Camaro has 6 rivet holes and is one of the most challenging. Made of a heavy-duty, plastic composite material. Made in the USA.

**RHB560**

Invented By  
Jason Lowe  
See page 4.



# Retaining Nut Tools & Window Guide Removal



Invented By  
Douglas Zeitz  
See page 4.



## MultiSpanner™

**Five different sizes fit 95% of the window retaining nuts (spanner nuts) on the market.**

I am beginning to think automobile manufacturers are in a contest to see how many different types of window retaining nuts they can design. For the moment, we are close to catching up with them. Our MultiSpanner™ is made of a sturdy steel block and has five different sizes and configurations of pins. It will fit all the retaining nuts shown above and several that are not shown. The MultiSpanner™ is designed to use a 1/4" socket wrench with a short extension. Find the size that fits, put the socket in the other side, and take the nut off.

**DZ623**



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SEE PAGES 2 & 3



Typical retaining nuts

## Adjustable Retaining Nut Removal Tool

**Also called a spanner wrench**

Most sizes of retaining nuts can be removed with this tool. Because of its unique design, it can be brought close together or set wide to fit a variety of different size retaining nuts. Its wide range of adjustments even allows it to remove some of the three and four-hole foreign retaining nuts. Made of hardened steel, it is a quality tool that will last a lifetime. Made in the USA.

**ASW576**

## Window Retaining Nut Removal Tool

This tool is used on Ford, GM and Chrysler vehicles. Removing these nuts can be almost impossible without the proper tool, but the Window Retaining Nut Removal Tool makes it easy. The slide-through handle allows you to work in confined spaces when you must remove a glass that is not broken. Made of steel and "gold" plated to prevent rusting.

**LSW583**



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SEE PAGES 2 & 3

## Saturn Window Retaining Nut Removal Tool

The Saturn retaining nut is smaller than most standard retaining nuts. Our Saturn Retaining Nut Remover is made to fit this smaller size. It has a slide-through handle, to help you work in confined spaces. Made of steel and "gold" plated to prevent rusting.

**SNR362**



## WHAT DOES THIS MEAN?

Occasionally throughout the catalog you will see this symbol next to a product. This means that the product you are looking at is available for you to purchase right now at your local Equalizer® Store. Yes, you can get it right now! See page 3 for details.



GET THIS NOW  
AT YOUR LOCAL  
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SEE PAGES 2 & 3



# PryBaby™ & Crash Wrap®

## PryBaby™

**Spread it, remove it, pry it, smooth it!**

A technician today faces many problems that did not exist a few years ago, such as metal so thin that you can bend it with your fingers, or paint composed of so many layers that it can cost hundreds of dollars to repair a scratch. More and more parts are attached or installed in such a way that removing them requires prying, but what do you pry with? A PryBaby™ of course! Our PryBaby™ set contains 5 specially shaped sticks for prying, smoothing, spreading, and removing. They will help you overcome any situation no matter how complicated. Each tool is made of a tough, flexible, polycarbonate material that makes it almost impossible to break. Five distinct styles help you with any prying operation. Tool number 1, the widest PryBaby™, is 2-3/8", one end is a straight chisel and the other end is a 90° curve. This tool is great for removing snap-off mouldings and cowlings. Tool number 2 is shaped like an installation stick on one end, but the other end can be used to remove door panel clips. Tool number 3 can be used to remove door panels, one end has an 85° angle and the other end has a 30° angle. Tool number 4 is very similar to an installation stick, but has a 45° angle on one end and a 90° angle on the other end, useful for prying small items. This tool can remove the windshield mouldings on a Chrysler 300. Tool number 5 has a 110° bend that is good for removing door panels when you cannot get into the front part near the doorjamb area. It has a large oval at one end, so you can press the tool against the doorjamb without wrapping your hand around it. This is important because of the limited space in that area. The set comes in a clamshell package that keeps your PryBaby™ tools organized in your toolbox.

**GBM446 " Set of 5**



## Crash Wrap®

**Clear plastic weather barrier**

Crash Wrap® film is a tough, flexible, self-adhesive plastic film. It is used to cover the opening when you cannot replace side glasses or back glasses. Crash Wrap® is clear so the driver can see through it and it is 5 mils thick so it will protect the interior of the vehicle from the weather. The film is coated on one side with a special, light-tack adhesive designed to hold fast yet still be removed without the adhesive transferring. The film contains ultraviolet inhibitors to prevent sunlight damage when exposed for extended periods of time. Crash Wrap® film is quick and easy for one person to use. The free end of the film adheres quickly and holds itself in place while you cover the open area.

**CWP289 " 100' Roll**



## Telescopic Magnet

Have you ever been under the hood of a vehicle or working inside a door on a glass and dropped a screw? You could see it, but you could not reach it. The Telescopic Magnet extends to 24" in length to get to those really hard-to-reach places and collapses to only 4-3/4" long to easily store in your toolbox or even fit in your shirt pocket. This powerful magnet can lift up to 2 pounds, allowing for a wide variety of other uses. Made in the USA.

**MT690**



## Equalizer® Silverback™ Gloves

**Keep parts close at hand! Eliminate the frustration of lost screws and nuts!**

When taking a vehicle apart, you must put the screws and nuts in a place where they will not be lost. Now there is no need to stop and find a place. With Equalizer® Silverback™ Gloves, you can drop the screws or nuts onto the magnetic back and keep moving. Then, when you are putting the vehicle back together, the screws will be as close as the back of your hand.

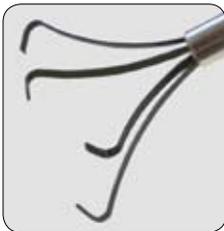


Equalizer® Silverback™ Gloves employ a revolutionary new technology and design that embeds powerful Zeta6™ magnets, strong enough to hold a hammer, into the fabric of the glove. The magnets grab screws, nuts and other small metal objects, and hold them tight.

It's like having an extra pair of hands! Constructed from soft, durable, premium suede cowhide and double stitched for a comfortable fit and long wear. Each glove has a half-finger design so you can grip and pick up small objects with either hand. Then, just drop the objects onto the back of either glove and they will be literally at your fingertips when you need them!

**TG1430 " Large**

**TH1431 " Extra Large**



## Mechanical Pick-Up

Many technicians have a small telescoping magnet in their toolbox, which is a wonderful tool to have when picking up small metal items. However, occasionally you will need to pick up an item that is non-ferrous. Small plastic pieces and many of the metals used in vehicles today are non-ferrous, and a magnet does not attract them. Also, while using a telescoping magnet to reach an item that has been dropped, you often pick up everything else along with it. It is times like these when you need our Mechanical Pick-Up. It is designed with steel fingers that are spring-loaded and will grip an item up to 1" in diameter. The closed diameter of the "jaws" is less than 3/8". The Mechanical Pick-Up is 23-1/2" long and will reach into the deepest recessed areas to retrieve an item.

**NMT448**



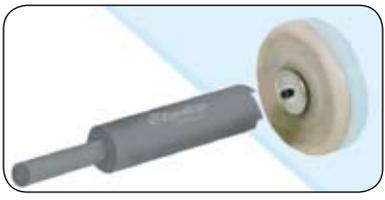
# Rivet Removal Tools



## Rivet Stem Remover

It is often necessary to remove door glasses without breaking them. Drilling out the rivet so you can remove the door glass is easy, if you can remove the rivet stem. Rivet stems are made of steel and are impossible to drill out. Our Rivet Stem Remover has a contoured end so it will sit over the rivet and align perfectly with the rivet stem. You then strike the end of the rivet stem remover with several light taps and the rivet stem is driven out. The unique design allows a metal-to-metal-to-metal contact (hammer to stem remover to stem).

**DPO585**



## Rivet Head Removal Drill Bit

The problem with removing rivets from door glasses is the rivet stem. It is made of steel and must be removed before you can drill out the aluminum. Our Rivet Head Removal Drill Bit tackles the problem in another way; it drills the rivet head off and leaves the steel stem in place. When the rivet head is drilled away you can then push the remaining aluminum shank and the rivet stem out and the rivet is released. This tool is made of super-hardened steel and has four sharp cutting flutes that will quickly and easily remove the rivet head. Made in the USA.

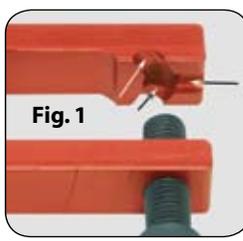
**RHR584**



## Rivet Head Drill Bit Guide

This guide is used with our RHR584 Rivet Head Removal Drill Bit. Most of the time the Rivet Head Removal Drill Bit will drill the aluminum part of the rivet away with no problems. Occasionally, the rivet stem does not stick out of the rivet and the Rivet Head Removal Drill Bit will not stay centered on the rivet head. In situations like that, you need the PDG922 to hold the drill bit in place until it cuts down to the rivet stem. After it reaches the rivet stem, it will stay centered and you can remove the drill bit guide.

**PDG922**



Slots in the bracket capture the pop rivet.



Punch drives the steel pin out of the pop rivet.



Escape hole lets drill shavings out of the aligning bolt.



Comes in a foam-lined case.

## Rivet Removing Kit

**Removing the rivets that hold the channel to the glass just got much easier.**

To use this kit, you place the bracket over the pop rivet and align it so the split-rear part of the pop rivet is captured into the slots in the bracket (Fig. 1). Then, using the hex wrench, tighten the large screw against the head of the rivet (Fig. 2), (we removed the glass and bracket so you could see what we are talking about). The large screw is concave so it will align over the center of the screw. You can then use the punch to drive the steel pin out of the center. Then, use the long drill bit to drill out the pop rivet. The aligning bolt has an escape hole that lets the drill shavings fall out (Fig. 3).

**MG1282**



# Rivet Setting & Door Glass Repair Tools



## Equalizer® Rivet Setting Tool

Now that you have used all the nice tools on the previous page to take the pop rivets out, you need a tool to install the new rivets. We have the best. It has a 5" extended nosepiece to reach deep into any door, longer handles to provide more leverage, ergonomically-designed hand grips for comfortable operation, and hardened steel jaws for durability and long life.

**HPR821 " Rivet Tool**

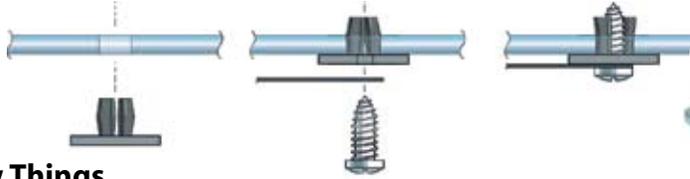


**HR822 • Box of 100 Short Rivets • For installing regulators and door handles**

HR822 • Diameter 1/4" Grip Range Max. 9/64"

**HR823 • Box of 100 Long Rivets • For installing door glasses**

HR823 • Diameter 1/4" Grip Range Max. 5/8"



## Window Things

*Install door glasses the easy way.*

With Window Things you can virtually retire your rivet gun and eliminate the possibility of breaking glass during installation. Window Things fit most Ford, Chrysler and GM products. No need for snap-through, screw-type retainers. They are made of Zytel® nylon and tested in extreme heat and cold. Simply snap through holes in the glass, line up channel and insert the screw.

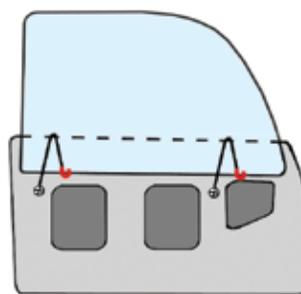
**RW1393 " Package of 50**



## Window Holders

Hold up the door glass while you work on the channel or regulator. For applications where there is a top door frame. Loop the cable over the door frame and attach the suction cups to each side of the glass. Made in the USA.

**WH745 " Package of 2**



## Stayput™

**Hold the door glass in an up position.**

It is often difficult to find regulators and parts for door glasses. The parts must be ordered, and while you are waiting for them to come in, you must find some way to hold the door glass in an up position. Toby Barrett came up with a unique solution to the problem. One end of the Stayput™ window holders has a U-shaped piece of metal that is coated with a soft, thick plastic material that cushions the glass. The other end has a self-tapping screw that can be screwed into the inside door skin. To use Stayput™, you pull the window into the upward position, pull Stayput™ tight, and run the screw through the metal on the door skin.



**HF449 " Set of 2**



# Door Glass Tools



## Equalizer® Glass Run Channel Cleaner

If you have ever cleaned glass out of a glass run channel, you know the problem. Broken pieces of tempered glass will hide behind the lip of the glass run channel and scrape the door glass when you roll it up or down. Our Glass Run Channel Cleaner reaches behind that lip to remove even the most stubbornly-wedged pieces of glass that are almost impossible to get out with a screwdriver. The tool's rounded tip was designed to prevent damage to the weatherstripping and is 24" long to reach the bottom of the deepest door. **GCC506**



## Equalizer® Short Glass Run Channel Cleaner

Not long after we started selling the Equalizer® Glass Run Channel Cleaner, people started asking us for a shorter version. The longer version works great when you need to go down deep inside doors, but sometimes you need to clean glass out of a channel that is not down inside the door. Our RS1389 Short Glass Run Channel Cleaner measures only 13" long and is perfect for cleaning the upper channel. The metal part measures 8" long. **RS1389**



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Invented By **Jim Pfeifer** See page 4.

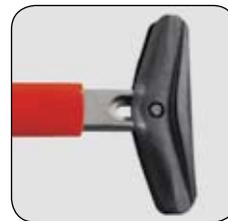


## Window Guide Remover Pliers

*Window guides are also known as butterfly clips.*

Today there are probably twenty different rear window guides on the market, but you never seem to have the right one to replace the one you just destroyed. The Window Guide Remover Pliers were developed by an Auto Glass Technician and designed to give you a better chance of saving the old window guide and assist you in putting it back on the new glass. The jaws are made so they fit around the window guide without damaging it, and exert pressure on the part that snaps together. The handle is made with a slotted area that can be used to pry the plastic snap loose so you can reuse the window guide. Made in the USA.

**JP685**



Twist and Pry



Window guide pops open



Squeeze to snap together



CRB548

CRB549

## Channel Cleaning Bits

Replacing most door glasses is straightforward and not extremely difficult, but door glasses that have the bottom channel put on with an adhesive can be difficult.

Sometimes, you can spend more time cleaning the glass out of the channel than you spend doing all the rest of the job. We see people heat the channel so the adhesive will release from it, and usually smoke is going everywhere. We do not know that this is dangerous, but we have often wondered what is in the gases given off by the heated adhesive. We have solved the problem of removing the glass and adhesive. Put one of these in your drill and cut the glass and adhesive out of a door glass channel in seconds, no heat. Each bit has six, hardened, steel flutes that cut the adhesive and broken glass out of the channel.

They come in two sizes: 1/4" for thicker glass channels and 1/8" for the narrower channels.

CRB548 " 1/4"

CRB549 " 1/8"



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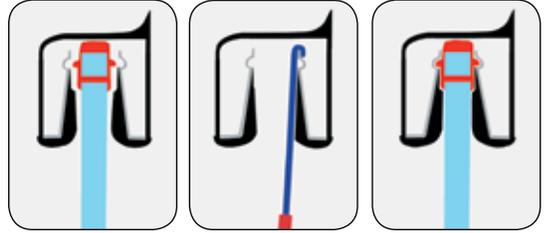
# Door Glass Tools, Grease & Graphite



## Channel Bender *Tightens the channel so it holds retainer clips*

After a door glass has been rolled up and down hundreds of times, the guide channel and the plastic door glass retaining clip (butterfly clip) will start to wear. Eventually, the glass will not go up and down properly because the retaining clip comes out of the rear channel and lets the glass fall forward. Now you can correct that problem with our Channel Bender. Hook the tip of the Channel Bender over the guide channel and pull the metal part inward to decrease the space between the guides. If the raised areas on the clip are worn, you can grind slightly deeper in front of the raised area to give the channel more area to hold on to. Made in the USA.

**CJ1065**



## EZ Popper

Rivets spin when you drill them out of broken door glasses. Wedge this tool between the plastic washers to keep the rivets from spinning. After drilling out the rivet, the plastic washers sometimes break when you pry them apart. Just insert this handy tool between the plastic washers and they pop apart without breaking. Made in the USA.

**CST522**



## White Lithium Grease

Every time you work on the inside of a door glass you encounter white lithium grease. It is the grease most often used to lubricate working parts inside door glasses. Why? It resists heat on a hot summer day when it can be more than 130° inside the door. Also, no matter how well the seals are made to prevent water from getting down inside the door, there will still be some water inside and the grease will repel the water. Last but not least, it prevents wear. Each tube contains 8 ounces of grease and is large enough to last for months, perhaps years. It is designed to sit on the cap so the grease will always be at the tip and ready to squeeze out.

**WLG252**



## Graphite

### *A non-liquid lubricant*

Adjusting a door glass to work correctly can be difficult. Sometimes the only answer is to put a lubricant in the channel or the guides. The problem is, most lubricants are oil-based and become hard or wear off with time. Graphite will remain in place for years. It makes the surface of glass, metal, or plastic slide with very little friction. Comes in a plastic squeeze-type dispenser with a small tube that lets you put the graphite inside the channel. Also a great lubricant for sticky door locks.

**GT1161**



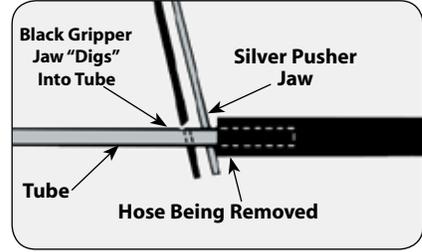
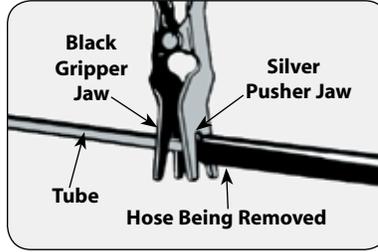
## Equalizer® High-Heat Grease

This grease was originally sold for use when rebuilding an Equalizer® tool. Over the years, we have had many people tell us how great it is for greasing moving parts inside a door. It is a high-heat grease so it will stay in place even if the vehicle is sitting outside in the "150°" heat here in Texas. Also, it will remain flexible and will not stiffen up in the 0° cold weather that the people in the North must endure.

**4237 " 2 Ounce Container**



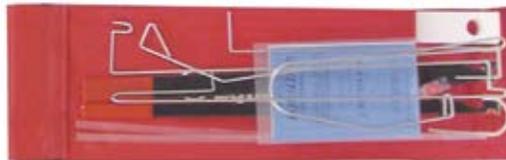
## Useful Tools



### Hose Removal Pliers

Saving the hose that runs to the windshield wipers can be difficult, especially on older vehicles where the hose is old and brittle. With our Hose Removal Pliers, all you have to do is position the tool against the hose, so the black (gripper) side sits over the metal tube, and squeeze. The hose is pushed off quickly and without damage.

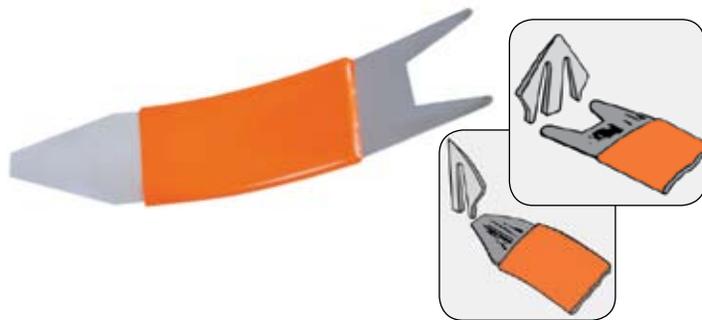
**HRT367**



### Lock Out Kit

With this kit you can open all of the easy and most of the difficult to open vehicles on the market. The kit has been redesigned and improved since it was first introduced in 1975, and is in use in hundreds of shops throughout the country. Our Lock Out Kit contains: slide lock button tool, dual release tool, narrow release bar, wide release bar, JapanEASY tool, Wonder Tool, knob grabber, gas cap key, nylon wedge, and a 50-page instruction manual. Made in the USA.

**MK201**



### Equalizer® Headliner Moulding Clip Removal Tool

Many times you need to remove the headliner mouldings, especially when trying to save a windshield. Until now, there was no way to save the plastic clips without breaking them. Equalizer® Headliner Moulding Clip Removal Tool is made of tempered steel. It is thin enough to easily slide between the headliner and the moulding. The V-slot presses in on each side of the clip, releasing it and allowing the moulding to be removed. Made in the USA.

**MHR668**



### Moulding Release Tool

Slide the tool left or right under the moulding until it hooks a retaining clip. Rock the tool with a twist of the wrist to pull the clip out slightly. This releases the moulding from the clip. Heat treated, high-carbon steel.

**MR747**



**WHAT DOES THIS MEAN?**  
Occasionally throughout the catalog you will see this symbol next to a product. This means that the product you are looking at is available for you to purchase right now at your local Equalizer® Store. Yes, you can get it right now! See page 3 for details.

# Caulking Guns



- Designed for high-viscosity urethane
- Powerful 620 pounds of pushing force
- Interchangeable front end works with standard tubes or sausage pack
- Variable-speed switch for better flow control
- Compatible with 12 or 14-Volt Power-Plus batteries

The barrel swivels so you can go around corners and the handle always points toward you.



## Milwaukee 12-Volt Caulking Gun

This caulking gun is designed for high-viscosity urethane. It produces 620 pounds of pushing force that will dispense high-viscosity urethane with ease even if the urethane is cold. It has a variable speed trigger that lets you control the flow of the urethane so you can lay an even bead.

The plunger is a rugged, one-piece assembly that is engaged by a strong gear to push it forward. Simply pull the release trigger to pull the plunger back into position for a new tube. It is designed to use standard tubes, but you can purchase a conversion kit and convert it to a sausage pack dispensing gun. This caulking gun comes with a 12-Volt battery, but because of its unique design you can use a 12-Volt or a 14.4-Volt battery pack in this caulking gun.

- AME134 " Caulking gun with 12-Volt battery and 120 or 220 Volt charger
- MST138 " Sausage pack conversion kit
- I0134 " Replacement barrel



MST138 • Sausage pack conversion kit



I0134 • Replacement barrel



- Accessories for AME134 and ASP133
- MBE135 " 12-Volt battery for AME134 caulking gun
- MBD137 " 12-Volt automotive charger
- 48590245 " 120 or 220 Volt charger

The barrel swivels so you can go around corners and the handle always points toward you.

- Designed for high-viscosity urethane
- Powerful 620 pounds of pushing force
- Interchangeable front end works with standard tubes or sausage pack
- Variable-speed switch for better flow control
- Compatible with 12 or 14-Volt Power-Plus batteries



## Milwaukee 12-Volt Caulking Gun With Sausage Pack Barrel

Well, it is about time! For a number of years Milwaukee has only offered this caulking gun with a cartridge barrel. To get a sausage pack barrel you had to buy the barrel separately. If you did not need the cartridge barrel then it was very annoying to buy it. Finally, they have made it available with only the sausage pack barrel. Each caulking gun comes with one 12-Volt battery, one 120-Volt charger, three sausage pack tips, and an assembly wrench. The motor, plunger, and all working mechanisms are the same as the AME134.

- ASP133 • Sausage Pack Caulking Gun With 12-Volt Battery And 120 or 220 Volt Charger



# Caulking Guns & Accessories



Fits Milwaukee Sausage Pack Caulking Gun



Put the screw in (included) and it fits Panasonic Sausage Pack Caulking Guns



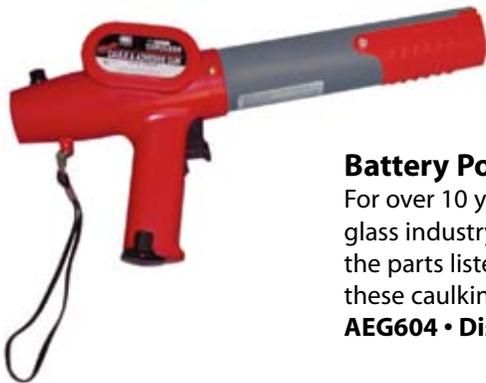
**How much urethane are you wasting? With SqueezePLUG™ when you use 12 tubes the 13<sup>th</sup> one is free.**

## SqueezePLUG™

Here is a product that will pay for itself the first two days you use it and then save you money every day after that. You use it in a sausage pack caulking gun to push the last remaining urethane out of the sausage pack. I am sure you have noticed how much urethane is left in the sausage pack each time you lay a bead of urethane. By volume it usually amounts to almost 1/12 of the urethane. Therefore, when you use 12 tubes, you are discarding one full tube of urethane. We designed SqueezePLUG™ to be used on the Milwaukee 12-Volt Cordless Sausage Pack Caulking Gun and on the Panasonic 7.2-Volt

Cordless Caulking Gun. As Ben Franklin said, "A penny saved is a penny earned." Of course, with the cost of urethane that updated statement would go more like this: "Ten dollars saved is ten dollars earned."

**KEU451**



**DISCONTINUED, but all of the parts and accessories are still available.**

## Battery Powered Caulking Gun

For over 10 years this was the most used battery powered caulking gun in the auto glass industry. It has now been discontinued, but we wanted you to know that all the parts listed below are still available. Additionally, Milwaukee will still be repairing these caulking guns.

**AEG604 • Discontinued**



## Battery Chargers

The 12-Volt charger plugs into your cigarette lighter or power point and uses the battery of your vehicle to charge the caulking gun battery. The 120-Volt charger plugs into a regular 120-Volt outlet.

**AEC606 " 12-Volt  
FWC931 " 120 or 220 Volt**



## Extra Battery Pack

Leave one battery in your charger and you will always have a fresh battery.

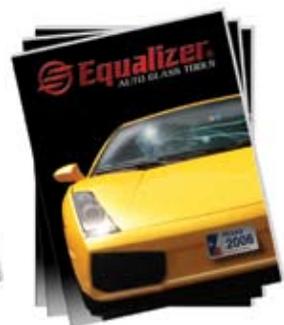
**AEG605**



## Barrel For AEG604 Caulking Gun

With extended use the barrel will eventually wear out. We have replacement barrels available for your caulking gun when this happens.

**I0604**





## 26 to 1 Mechanical Advantage Caulking Gun

**Easily pumps out the toughest high-viscosity urethane.**

High-viscosity urethanes have become a standard in our industry, and this caulking gun has proven that it can pump high-viscosity urethane even on a cold day. The advantage of this caulking gun is that it makes quick work of pumping out even the thickest high-viscosity urethane. The AKG26 features a patented device which compensates for wear on the push rod. After the gun has been used hundreds of times it will still work as well as the day it was purchased. Made in the UK.

**AKG26**



## Powerful 18 to 1 Caulking Gun

If you are looking for an improvement over the standard 14 to 1 caulking gun, but do not feel you need the power of a 26 to 1 caulking gun, then this is the perfect product for you. It is designed to be used with high-viscosity urethanes, and you will find it useful on those cold winter days when the urethane becomes colder and harder to pump. Made in the UK.

**GC905**



## Air-Powered Caulking Gun

The APC830 is a true piston-type caulking gun that can be used with standard urethane cartridges or 9" (310 ml) sausage packs. The barrel is made of aluminum and dismantles for easy cleaning. It has a true air regulator that regulates up to 100 psi maximum, an air-regulator pressure adjustment, and an instant dump-valve trigger release. The end cap and barrel are quick-release type and can be removed with just one complete turn of the retainer. Made in the UK.

**APC830**



**It will not work with the 20 ounce or 450 ml cartridges.**



## Sausage Pack Caulking Gun

**For bulk cartridge and sausage packs**

Our Sausage Pack Caulking Gun has a mechanical advantage of 12 to 1. It can be used with 9" sausage packs, 15" and 18" bulk cartridge and sausage packs. It has a patented catch plate, case-hardened steel rod and a contoured handle. The barrel is drawn aluminum and it has a quick-release end cap. Made in the UK.

**HPS907**



## Wexford II Nylon Caulking Gun

The Wexford II Nylon Caulking Gun has a pressure release device to reduce material flow after you release the trigger. This patented feature is ideal for precise application of sealant. The Wexford II works with standard size plastic, metal or composite cartridges. It has a hexagon drive rod, a built-in ladder hook, and a catch plate made of high-quality steel. Made in the UK.

**SKG901**





# Caulking Guns

The barrel swivels so you can go around corners and the handle always points toward you.



## 26 to 1 X-tra Super Thrust Caulking Gun

When you use high-viscosity urethane, you need a caulking gun that makes dispensing the urethane easier. Here is what a 26 to 1 caulking gun does: if you squeeze the handle with 1 pound of pressure it puts 26 pounds of pushing pressure on the urethane. With that kind of power you can easily dispense high-viscosity urethane even in cold weather. Our caulking gun has a revolving barrel, zinc alloy handle, and a thumb release. The barrel is welded steel. It is made in China to our specifications. **CC50**



## 26 to 1 Thrust Ratio Caulking Gun

The style of this caulking gun is more traditional, but do not let that fool you. This high-powered caulking gun comes with a built-in nozzle cutter. It also has a built-in seal punch that can be swiveled under the barrel and brought out when you need it. The caulking gun is made of welded steel. Made in Taiwan to our specifications. **XSP3011**

The barrel swivels so you can go around corners and the handle always points toward you.



## 18 to 1 Thrust Ratio Caulking Gun

If you walk into a hardware store and buy a caulking gun off the shelf you are probably buying a 3 to 1 thrust ratio caulking gun. If you buy the super heavy-duty caulking gun, it might be a 10 to 1 and that will not pump high-viscosity urethane. Our 18 to 1 Thrust Ratio Caulking Gun offers a trade-off between these underpowered caulking guns and the super power of a 26 to 1 caulking gun. Our caulking gun has a revolving barrel, zinc alloy handle, and a thumb release. The barrel is made of welded steel. It is made in China to our specifications. **CKC51**

Built in nozzle cutter



## Equalizer® 12-Volt Thermostat-Controlled Urethane Heater

**Keeps any type of urethane, sealant or caulking warm.**

This device can keep your urethane warm all the time. It plugs into the power point of your vehicle and will heat up to 12 tubes of urethane. It is controlled by thermostat and can warm items up to 140° F. Our urethane heater has a brushless motor with locked rotor protection and ball-bearing construction. This product is also a cooler, so in the summer it will keep your water or soft drinks cool. Each unit comes with an 8' fused 12-Volt, automotive power cord. Measures 16-1/2" L x 11-1/4" W x 11-1/2" H. **GL1153**

Holds 12 tubes of urethane and has a separate compartment for nozzles.



Most urethane manufacturers do not recommend heating urethane more than 90° F. Contact manufacturer for details.

# Urethane Nozzle Tools

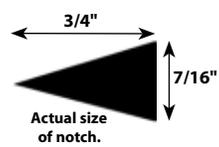


## Top Notch™

**It cuts a V-notch in urethane tube nozzles.**

Cutting the proper V-notch on a urethane nozzle can be difficult and dangerous. The Equalizer® Top Notch™ tool takes all the guess work, and danger, out of V-notching the nozzle. This high-quality tool will last for years. It features a chrome metal body, tempered steel jaws, spring-loaded handle with non-slip plastic grips, and a thumb-controlled jaw locking device. To use this tool, take a Nozzle Cutter (page 78) and cut the end of the nozzle tip to give yourself a 1/4" or larger bead. Next, insert the Top Notch™ tool inside the nozzle until it stops. Squeeze the handle and you have a perfect notch.

**VNT306**



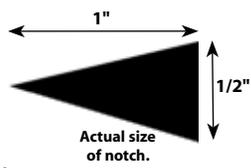
Invented By  
Glenn Barrett  
See page 4.



## Up-A-Notch™

Up-A-Notch™ cuts a notch that is 1/4" longer and 1/16" wider at the base. It is the same high-quality tool as the Top Notch™ and will last for years. It features a chrome metal body, tempered steel jaws, spring loaded handle with non-slip plastic grips, and a thumb-controlled jaw locking device. To use this tool, take a Nozzle Cutter (page 78) and cut the end of the nozzle tip to give yourself a 1/4" or larger bead. Next, insert Up-A-Notch inside the nozzle until it stops. Squeeze the handle and you have a perfect notch. Made in the USA.

**NTL348**

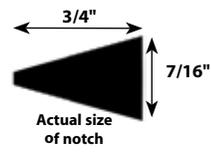


## V-Notch™

**It cuts a V-notch in urethane tube nozzles.**

This V-notch cutter cuts a notch very similar to our VNT306. The only difference is that the notch cut by the VNL277 comes to a tip that is 1/16" wide. The V-Notch™ is made of stainless steel and has a loop lock to hold it closed so it will not be damaged in your toolbox. How important is it to own a V-notch tool? As I was writing the description of this tool, a buyer from a large company called to order 500 of them. He told me a technician had slipped while cutting a V-notch with a razor blade. He cut his hand and severed some tendons. The Workers' Comp claim exceeded \$10,000. Made in Pakistan.

**VNL277**

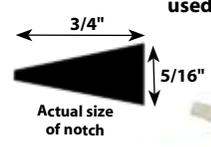


Quality is not compromised; most surgical instruments used in operating rooms today are made in Pakistan.

## Narrow Base V-Notch™

Some foreign vehicles have a pinchweld that is very narrow. This is also true of some quarter glasses. On these vehicles, it is important to have the base of the V-notch be small enough that it will not hang over the edge of the pinchweld. This is the reason we developed the Narrow Base V-Notch™ tool. The base of the cut is 5/16" wide (1/8" narrower than the VNT306 and the VNL277). It is made of stainless steel and has a loop lock to hold it closed so it will not be damaged in your toolbox. Made in Pakistan.

**VNS276**





# Urethane Nozzle Tools



## Nozzle Cutter

Here is a nozzle cutter made to last a lifetime. Place the nozzle under the blade to the desired depth, squeeze the handles together and the nozzle is cut. The handles can be locked shut with the swivel lock. This protects the blade from damage. Made with a super-sharp, hardened, steel blade to give years of service.

**CS1075**



## Nozzle Cutter

Here is a quick, safe and easy way to cut the end off of the nozzle of a urethane tube. Put the nozzle in the cutter to the desired depth, squeeze the blade into the tool and the nozzle is cut. The other end of the nozzle cutter uses the V-shaped blade to remove the front end seal from silicone tubes. Made in Germany.

**NCT308**

**BFC81 " Package of 5 Blades**



**DM1094**

## Cotton Tipped Applicators

**Six inches long so you can reach into any bottle**

Contamination is a real problem in this industry. It is amazing how many ways we have identified how we contaminate urethane or primers. How many times have you put a dauber in a bottle, put some primer on a pinchweld, and then put the dauber back in the bottle? Now, the whole bottle is contaminated. Prevent contamination with our Cotton Tipped Applicators. They are small so you will not drip urethane on the upholstery and they are so inexpensive that after you use one just throw it away and get a new one.

## Premium Quality Wool Daubers

In recent years, Auto Glass Technicians have become more aware of contamination problems. One area of contamination is the pinchweld itself. Each time you put primer on the pinchweld and then dip the dauber back into the primer you have contaminated the whole bottle. Technicians today use a new dauber, dip it in the primer and prime as far as it will go, then discard the dauber and use a new one. For this reason, we offer our Premium Quality Wool Daubers at an economical price. Made of a thick wool tuft that is held tightly in the center with a strong wire.

**JY1225 " Package of 100**

**JZ1226 " Package of 1000**





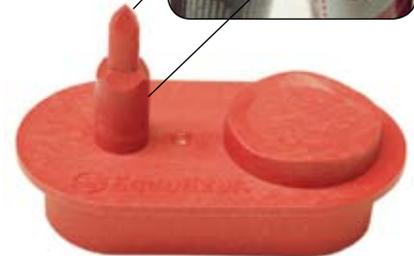
## Urethane Tube Opener

Ever try to open a new tube of urethane while in the middle of a job? It can be frustrating. Finding something to puncture the front seal is always a hassle, and knocking out the rear seal can also be a chore. Equalizer has solved these problems with the Urethane Tube Opener. Press the rear of the tube over the serrated circle to remove the rear seal. Then turn the tube over and press the front seal into the pointed stem and your tube of urethane is ready to use. Made of urethane-resistant material, just peel old urethane off and it is ready to be used again. You can mount a Urethane Tube Opener almost anywhere so you can open another urethane tube fast! Urethane not included.

**UTO539**



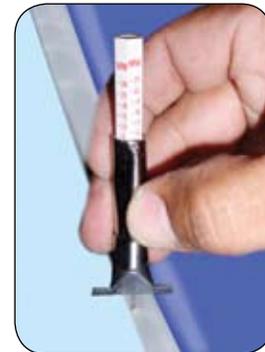
Improved design works with wide and regular nozzle openings.



## Urethane Depth Gauge

The glasses in today's vehicles fit much more precisely than they did in the past. A glass that is up or down 1/16" made no difference on older vehicles, but today it can be the difference between the moulding fitting, or not fitting which can create wind noise. To use the Urethane Depth Gauge, remove the moulding (if it has one) and then take several readings around the glass. Use a grease pencil and write the measurements on the old glass, then when you set the new windshield just duplicate the measurements and the glass will fit perfectly. Measurements are shown in inches on one side and in millimeters on the other. Comes with a pocket clip so you can carry it in your shirt pocket.

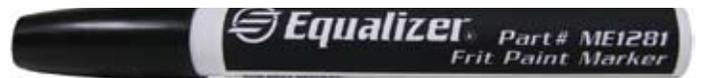
**UTG450**



## Frit Paint Marker

The frit around the edge of a glass can sometimes have a small scratch that makes the glass unusable. If the scratch is not in an area where the adhesive is applied, then it can be repaired with our Frit Paint Marker. Apply the paint to the inside of the glass where the scratch is located and allow several minutes for it to dry. The paint is oil-based and will not come off when the glass is cleaned.

**ME1281**



## Equalizer® Softie

This is a very nice little gadget. It slips over the end of a tube of urethane, or any caulking or adhesive, to keep it from hardening. When it is not in use, slip it on the rear part of the plunger and you will always know where it is. We sell them in packages of two because you know when one of the other technicians sees yours he is going to "borrow" one. They are made of a semi-rigid plastic that will expand enough to fit on any caulking gun plunger. The outer pipe encloses the nozzle to keep air from entering the tube. Built with a center plug that goes inside of the nozzle to ensure the urethane does not cure. Caulking gun not included.

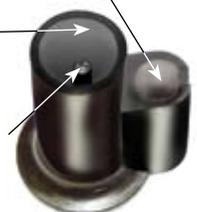
**CTP556 " Package of 2**



Expandable clip attaches to rear of caulking gun plunger.

Enclosed pipe keeps air out of tube.

Center plug goes inside urethane or adhesive.





# Urethane Related Tools



## Digital Pocket Hygrometer/Thermometer

Many networks are requiring that you put the humidity and temperature on the invoice when you install a windshield. Set our hygrometer on top of the vehicle you are working on, wait 10 seconds and it will record the temperature and humidity. It has a temperature range from 32° to 122° F (0° to 50°C) and a hygrometer (humidity) range from 2% to 98% (temperature compensated). Guaranteed reliability. Each hygrometer/thermometer comes with a traceable certificate of calibration. This certificate lists all test information on the unit you are purchasing. Urethane manufacturing companies have charts available that show how long it will take humidity-cured urethanes to cure at a certain humidity and temperature level. This is important so that you can explain accurate, reliable and safe drive-away times to your customer. We all know urethane should be cured before a vehicle is driven. Someone's life may depend on the retention of the windshield. Protect yourself and your customer by knowing the temperature and humidity. Made in the USA.



Comes in handy plastic carrying case



Has clip for shirt pocket

**HM374**



## Urethane Tube Holder

The problem with carrying urethane in an opened box is that the box will tip over and spill urethane tubes all over the vehicle. With our Urethane Tube Holder, you just open a new case of urethane, drop the tubes in the holder and you always have a visual inventory of how much urethane you have with you. Made of rigid steel, this is a tough holder that will last for years. It is made to hold ten tubes of urethane and will fit all standard urethane tubes. Made in the USA.

**UTH577**



## Urethane Plug Puller

Many times you do not use a complete tube of urethane and the urethane cures in the nozzle. This cured urethane plugs the nozzle and will not let you use the remaining urethane. Our Urethane Plug Puller is a plastic corkscrew that can be screwed into the urethane. You then pull the plug of cured urethane out of the nozzle and use the remainder of the urethane. The corkscrew part of the Urethane Plug Puller is encased in a plastic cover. To use this tool, remove the handle and put it through the end of the corkscrew. This will give you leverage to screw the puller into the urethane and pulling power to remove the urethane plug.

**JQ1141**



## Equalizer® Razor Blades

The most commonly used item in an auto glass shop is the razor blade. We use them to remove everything from stickers to excess urethane. Equalizer® Razor Blades are tough, strong, industrial razor blades packaged in boxes of 100. Each blade is securely wrapped in a thin, brown piece of cardboard to protect the edge. A sturdy metal back gives the blade strength. Made in the USA.

**RB497 " Box of 100**

# Underside Moulding & Moulding Tool



<p><b>AUDI</b> A4 BACKGLASS A6 BACKGLASS ALL ROAD FRONT &amp; BACK QUATTRO FRONT &amp; BACK TT FRONT &amp; BACK</p> <p><b>FORD</b> TAURUS 4DR BACKGLASS</p> <p><b>HONDA</b> CIVIC (3 DR/4DR) BACKGLASS</p> <p><b>HYUNDAI</b> ACCENT (HATCH) BACKGLASS SANTA FE BACKGLASS XG300-350L BACKGLASS</p> <p><b>KIA</b> OPTIMA BACKGLASS</p> <p><b>LEXUS</b> RX300 BACKGLASS</p>	<p><b>MERCEDES</b> SLK 230 BACKGLASS</p> <p><b>MITSUBISHI</b> ECLIPSE BACKGLASS MONTERO BACKGLASS</p> <p><b>SUBARU</b> FORESTER BACKGLASS</p> <p><b>TOYOTA</b> ECHO BACKGLASS GT BACKGLASS HIGHLANDER BACKGLASS RAV 4 BACKGLASS</p> <p><b>VW</b> BEETLE FRONT &amp; BACK GOLF FRONT &amp; BACK GTI (HATCH) FRONT &amp; BACK JETTA FRONT &amp; BACK PASSAT FRONT &amp; BACK</p>
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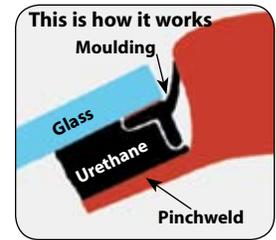
## Underside Moulding

There are many new glasses on the market that cannot be removed without destroying the moulding. Until now, your only choice was to put in a new glass with an attached moulding. Now you can remove and replace those glasses with our Underside Moulding. T201 moulding has an adhesive strip that lets you attach it to the bottom edge of the glass, just like the original moulding. You then reinstall the glass and the moulding makes a good-looking seal between the glass and the body.



Underside Moulding  
Dual Extrusion

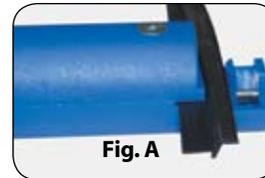
**T201 • 90' Total Length**



## Underside Moulding Installer

This tool is designed to install Underside Moulding (see above). It is made of a heavy-duty plastic material and will give you years of carefree service. To use the Underside Moulding Installer, push the moulding through the handle as shown (Fig. A) and then roll it along the edge of the glass (Fig. B), pushing downward (to set the adhesive) and inward against the edge of the glass (to keep the moulding a consistent distance from the outside edge).

**GU397**



## Underside Moulding

**Specifically designed for tight radius corners**

This Underside Moulding is a closed-cell foam moulding and is designed for exposed-edge glass applications that have tight radius corners. Many new vehicles use an underside moulding that utilizes an exposed-edge design. When removing and reinstalling a glass, this moulding is usually damaged and cannot be reused. Until now, your only choice was to buy another glass with the moulding attached to it. The T202 is specifically designed to replace these damaged mouldings on quarter and back glasses that have tight radius corners.

**T202 " 100' Spool**



**WHAT DOES THIS MEAN?**

Occasionally throughout the catalog you will see this symbol next to a product. This means that the product you are looking at is available for you to purchase right now at your local Equalizer Store. Yes, you can get it right now! See page 3 for details.





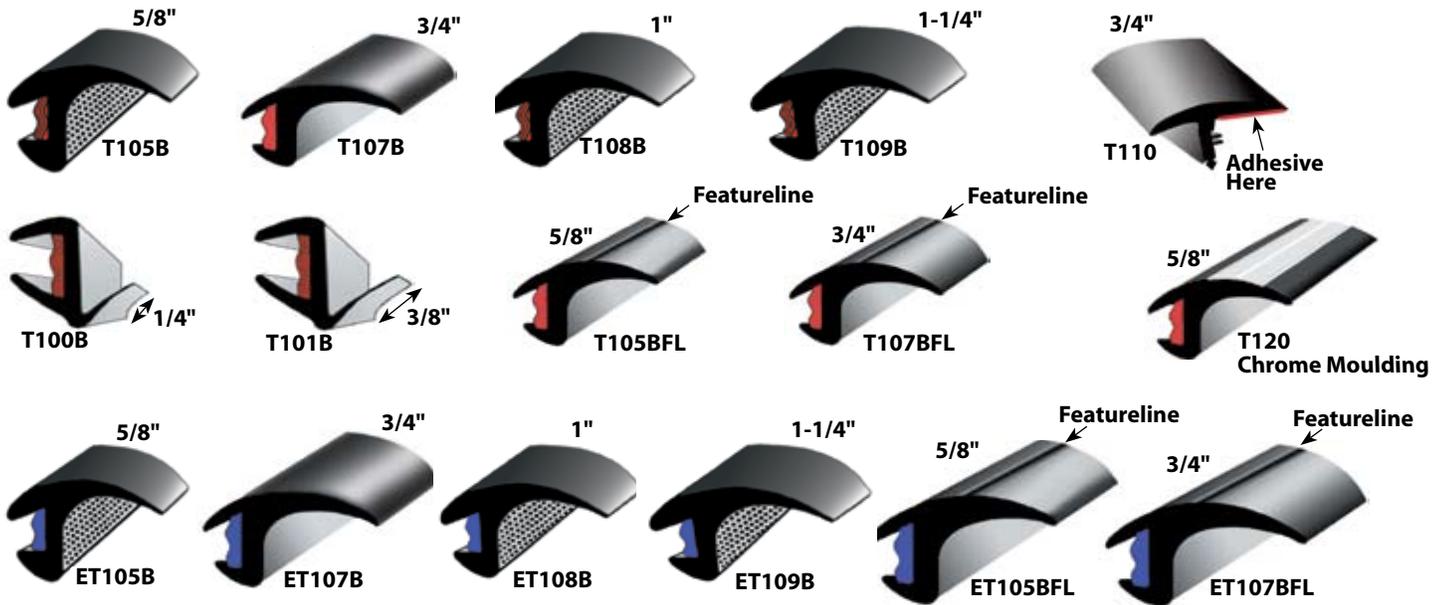
# Gold Glass Group Mouldings Usage

The numbers on this chart are interchangeable with the Economy Mouldings (T105B = ET105B, T107B = ET107B, etc.).

DOMESTIC		WS	BG			WS	BG		
<b>BUICK</b>									
82-96	CENTURY 2 & 4 DR	T108B	T107B						
97-03	CENTURY 4 DR	T107B							
82-96	CENTURY WAGON	T108B							
85-90	ELECTRA	T107B							
00-03	LESABRE	T108B							
86-91	LESABRE	T107B							
85-90	PARK AVENUE	T107B							
00-03	PARK AVENUE	T108B							
88-03	REGAL	T108B							
95-99	RIVIERA	T108B							
89-93	RIVIERA	T107B							
79-88	RIVIERA	T105B							
91-96	ROADMASTER	T108B							
82-89	SKYHAWK	T107B	T105B						
82-89	SKYHAWK WAGON	T107B							
92-99	SKYLARK	T107B							
86-91	SKYLARK	T107B	T105B						
85-87	SOMERSET REGAL	T107B	T105B						
<b>CADILLAC</b>									
82-88	CIMARRON	T105B	T105B						
03	CTS	T108B	T201						
94-99	DEVILLE	T109B							
00-03	DEVILLE	T107B							
85-93	DEVILLE SEDAN & COUPE	T107B	T107B						
89-91	ELDORADO	T107B	T107B						
79-88	ELDORADO	T105B							
02-03	ESCALADE / EXT / ESV	T108B							
85-93	FLEETWOOD FWD	T107B	T107B						
93-96	FLEETWOOD RWD	T108B							
89-91	SEVILLE	T107B	T107B						
80-88	SEVILLE	T105B	T105B						
01-03	SEVILLE	T107B							
<b>CHEVROLET</b>									
89-96	BERETTA	T105B							
82-02	CAMARO	T107B							
91-96	CAPRICE & WAGON	T108B							
82-94	CAVALIER & WAGON	T107B	T105B						
95-02	CAVALIER 4 DR	T107B							
82-94	CAVALIER CONVERTIBLE	T105B							
82-94	CELEBRITY & WAGON	T108B	T107B						
87-96	CORSICA	T105B	T105B						
99-03	CORVETTE HDP	T107B							
00-03	IMPALA	T108B	T108B						
94-96	IMPALA & SS	T108B							
89-01	LUMINA	T107B							
97-03	MALIBU	T108B	T108B						
00-03	MONTE CARLO	T108B	T108B						
95-99	MONTE CARLO	T107B							
98-03	PRISM T100B	T108B							
03	SSR	T107B							
<b>CHEVROLET TRUCKS</b>									
85-03	ASTRO VANS	T107B							
02-03	AVALANCHE	T107B							
90-96	LUMINA APV MINIVAN	T107B							
83-03	S-10 BLAZER 2 & 4 DR	T107B							
83-03	S-10 PICK-UP	T107B							
99-03	SILVERADO 1500 / 2500 / 3500 / SS	T107B	T107B						
00-03	SUBURBAN	T107B							
00-03	TAHOE	T108B							
99-02	TRACKER	T108B							
90-01	TRACKER 2 & 4 DR	T105B							
02-03	TRAILBLAZER / EXT	T107B							
80-95	VAN FULL-SIZE	T109B							
<b>CHRYSLER</b>									
99-03	300	T108B							
95-00	CIRRUS	T108B							
98-03	CONCORDE	T108B							
93-97	CONCORDE	T108B	T108B						
00-03	GRAND VOYAGER & VOYAGER	T108B							
90-93	IMPEL	T105B							
98-03	INTREPID	T108B							
93-97	INTREPID	T108B	T108B						
84-96	LASER	T107B							
85-89	LEBARON & GTS	T105B	T105B						
99-02	LHS	T108B							
94-97	LHS & NEW YORKER	T108B	T107B						
88-93	NEW YORKER	T105B							
01-03	PROWLER	T107B							
01-03	SEBRING / SEDAN / CONVERTIBLE	T108B							
01-03	SEBRING COUPE	T107B							
96-03	TOWN & COUNTRY	T108B							
84-95	TOWN COUNTRY MINIVAN	T108B							
00-03	VOYAGER	T108B							
<b>DODGE</b>									
95-00	AVENGER	T108B	T108B						
86-96	COLT & WAGON	T107B							
84-92	COLT VISTA	T108B	T108B						
84-93	DAYTONA	T107B							
88-93	DYNASTY	T105B							
98-03	INTREPID	T108B							
93-97	INTREPID	T108B	T107B						
85-89	LANCER	T105B	T105B						
90-92	MONACO	T107B	T108B						
00-03	NEON	T108B							
85-99	NEON	T108B							
87-94	SHADOW & CONVERTIBLE	T105B							
89-95	SPIRIT	T105B							
91-96	STEALTH	T107B							
01-03	STRATUS COUPE / SEDAN	T108B	T107B						
95-00	STRATUS SEDAN	T108B	T107B						
92-02	VIPER & CONVERTIBLE	T107B							
<b>DODGE TRUCKS</b>									
84-95	CARAVAN	T108B	T108B						
96-03	CARAVAN & GRAND CARAVAN	T201	T108B						
03	DAKOTA	T201							
97-02	DAKOTA PICK-UP	T107B							
86-96	DAKOTA PICK-UP & CONVERTIBLE	T107B							
98-02	DURANGO	T107B							
03	DURANGO	T201							
03	RAM	T201							
94-03	VAN FULL SIZE	T108B							
<b>EAGLE</b>									
88-89	MEDALLION	T107B							
88-92	PREMIER	T107B	T108B						
93-96	SUMMIT 2 & 4 DR	T107B							
91-92	SUMMIT 2 DR HATCHBACK	T108B							
92-96	SUMMIT 3 DR WAGON	T107B							
95-98	TALON	T108B	T108B						
90-94	TALON	T107B							
93-97	VISION	T108B	T107B						
<b>FORD</b>									
94-97	ASPIRE	T107B							
95-00	CONTOUR	T108B							
03	ESCAPE / HYBRID	T108B							
91-97	ESCAPE & WAGON	T107B							
98-03	ESCORT 2DR / ZX2	T108B	T107B						
97-02	ESCORT 4DR & WAGON	T107B							
00-03	FOCUS	T108B	T108B						
94-02	MUSTANG	T107B	T107B						
88-97	PROBE	T108B							
96-03	TAURUS & WAGON	T108B	T201						
86-95	TAURUS & WAGON	T108B	T108B						
<b>FORD TRUCKS</b>									
86-97	AEROSTAR MINIVAN	T107B							
92-03	ECOLINE VAN FULL-SIZE	T108B							
01-03	ESCAPE	T108B							
00-03	EXCURSION	T107B							
97-03	EXPEDITION	T109B							
91-03	EXPLORER / SPORT	T107B							
97-03	F-150	T109B							
97-02	F-250, 350, 450, 550, 650, 750 / SD	T108B							
94-03	RANGER	T107B							
95-03	WINDSTAR T	T108B	T107B						
<b>GMC</b>									
98-01	ENVOY	T108B							
02-03	ENVOY	T107B							
83-02	IMBLY 2 & 4 DR	T107B							
86-95	SAFARI	T107B							
96-03	SAVANNA	T107B							
99-03	SIERRA	T107B							
83-03	SONOMA/S-15 PICK-UP	T107B	T107B						
83-93	SONOMA/S-15 PICK-UP	T107B	T107B						
80-96	VAN FULL-SIZE	T109B							
94-03	YUKON / DENALI	T107B							
<b>JEEP</b>									
93-03	GRAND CHEROKEE	T107B							
2002	LIBERTY	T107B							
03	LIBERTY	T201							
87-03	WRANGLER	T107B							
<b>LINCOLN</b>									
03	AVIATOR	T109B							
95-02	CONTINENTAL	T108B				</			

# Gold Glass Group Universal Mouldings

Gold Glass Group  
CORPORATION  
Mouldings



## Gold Glass Group Mouldings

You no longer need to stock dozens of different mouldings. You can now reduce your inventory with universal mouldings. Just four mouldings equal over four hundred applications. Gold Glass Group Mouldings do not shrink or discolor over time, never crimp around corners, always lay flush against the vehicle, never need a heat gun to install, and fit both thick windshields and thin tempered parts. A thin layer of butyl is made into the channel of each moulding. When the moulding is pushed onto the glass, the butyl adheres to the edge of the glass and the moulding will not come off. You will not find T110 listed on the application chart. It is intended to replace push-in "Christmas Tree" mouldings. The great thing about this moulding is it has an adhesive under the part that goes against the vehicle. This adhesive sticks to the vehicle and holds the moulding in place while the urethane cures. The adhesive assures a perfect bond and the cured urethane holds it permanently in place.

## Featureline Moulding

**A little accent line that gives your installation some extra style**  
Each moulding is a counterpart to our original moulding. The T105BFL can be used in all applications where we recommend using the T105B, and the T107BFL can be used in all applications where you use the T107B. This is one of those nice things you can do for your customer without it costing you more.

## Chrome Moulding

Here is an opportunity to make a little extra money. Just show your customer this moulding with the beautiful chrome insert and chances are he will say, "Put that one on." You can easily charge twice the amount of a regular moulding. The chrome part of the moulding is 5/8" wide and stands out boldly from the black part of the moulding.

## Gold Economy Mouldings

In addition to extremely high-quality mouldings, Gold Glass Group also offers an economy moulding. Do not let the word economy fool you. When Gold uses the word economy, it takes on a whole new meaning. These are high-quality mouldings and, when compared to most competitors, they would be considered the highest-quality available.

## Gold Glass Group Mouldings

- T105BFL " 75' Spool
- T107BFL " 75' Spool
- T100B " 120' Spool
- T101B " 90' Spool
- T105B " 75' Spool
- T107B " 75' Spool
- T108B " 75' Spool
- T109B " 65' Spool
- T110 " 75' Spool
- T120 " Chrome Moulding " 75' Spool

## Gold Economy Mouldings

- ET105B • 5/8", 75' Long
- ET107B • 3/4", 75' Long
- ET108B • 1", 75' Long
- ET109B • 1-1/4", 75' Long
- ET105BFL • 5/8", 75' Long
- ET107BFL • 3/4", 75' Long



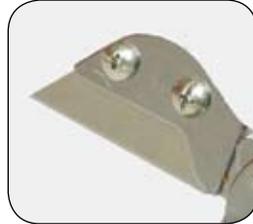
# Moulding Tools



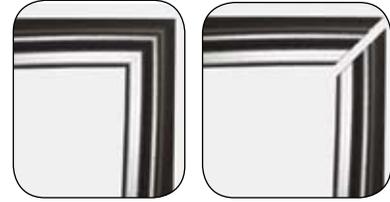
GET THIS NOW  
AT YOUR LOCAL  
**Equalizer**  
STORE  
SEE PAGES 2 & 3



Cast-in numbers show precise degree marks to help you make perfect cuts.



Cutting blade is a utility knife blade and can be changed in seconds.



After the moulding is cut you can glue it together with UMA297 MouldingMaker™ Adhesive.

## Standard Moulding Maker

Make precise angle cuts with this tool. Place your universal moulding on the lower jaw of the moulding cutters and squeeze the handle. A sharp utility knife blade cuts the moulding straight, smooth, and at the proper angle. The lower jaw has cast-in numbers and lines to show you the angle you are cutting. You can replace the cutting blade by removing two screws. Uses standard utility knife blades. Made to our specifications in Taiwan.

**MCA265**



## Deluxe Moulding Maker

*These high-quality moulding cutters are made in Germany.*

Many vehicles still use mouldings that have "square" corners. Now you can make your own "square-cornered" mouldings. Place your universal moulding on the lower jaw of the moulding cutters and squeeze the handle. A sharp utility knife blade cuts the moulding straight, smooth, and at the proper angle. The GAC245 has cast-in degree markers to help you get the proper angle on your mitered cuts. One very important thing about the GAC245 is the fact that you can change the cutting blade. Simply remove one screw, remove the dull blade and replace it with a new blade. Uses standard utility knife blades.

**GAC245**



Cast-in degree markers help you to make a perfect cut.



Cutting blade is a utility knife blade and can be changed in seconds.



Close up view



## True Angle®

When you are cutting mouldings it helps to know the angle of the cut. With our True Angle® you can find the exact angle of the moulding you want to make. Made of clear plastic so you can look through the body of the True Angle® and align it perfectly. Then you can tighten the brass thumb screw and lock it in place while you cut the moulding. Loosen the screw and True Angle® folds up into a compact tool with a small hole so you can hang it on the wall.

**AFH266**



Invented By  
**Matt Spencer**  
See page 4.

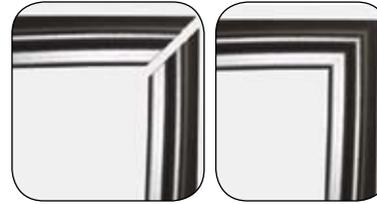




## Black Moulding Adhesive

An easy way to save money on OEM mouldings is to use a universal moulding and make your own. The problem is that the moulding must be put together with an adhesive. Equalizer offers adhesives to join these mouldings and is now happy to introduce the first Black Moulding Adhesive. It's a super-strong, weather-resistant adhesive that will glue the moulding together and maintain a strong bond through any type of weather. It only takes a small drop to glue the moulding together, so this bottle is enough adhesive for hundreds of mouldings.

**BMG466 " 1/2 Ounce Bottle**

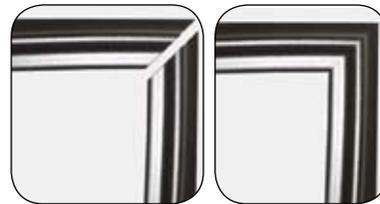


**It's Black!**

## MouldingMaker™ Adhesive

If you are making mouldings that are mitered together at the corners, or mouldings that go all the way around a glass and join together at the bottom, then you need an adhesive that will permanently hold the moulding together. Equalizer® MouldingMaker™ Adhesive is a permanent, colorless adhesive that is specially formulated to join mouldings.

**UMA297**



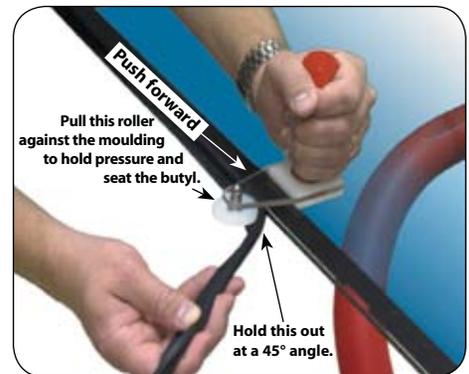
## RollOn™ Moulding Installer

**Install channel-type mouldings in seconds.**

Most technicians today understand the advantage of universal mouldings. The time saved makes them one of the fastest selling products on the market. They are not difficult to install on the glass, and with the proper tool, you can save a few minutes that can add up at the end of the day. RollOn™ has a nylon roller that is pulled against the moulding. This action seats the butyl against the glass so the moulding will stay in place. It has a clear acrylic roller attachment that lets you see through the tool and make sure you are seating the rubber properly. The part that slides on the glass is made of non-scuffing Delrin®. The plastic handle is attached using a sandwich method that grips the Delrin® slide, the acrylic roller attachment, and the handle. To use RollOn™, start a 1" section of the moulding, pull down against the moulding with the roller (see picture), and pull the moulding out at a 45° angle to the glass. Then, push (or pull) the tool forward to seat the moulding.

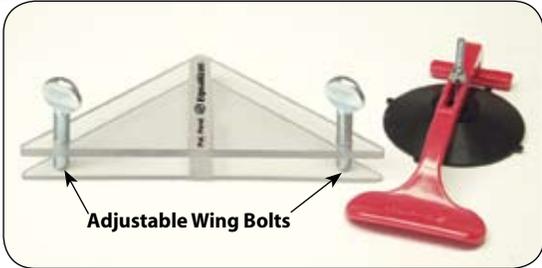
**JV1146**

Typical Mouldings

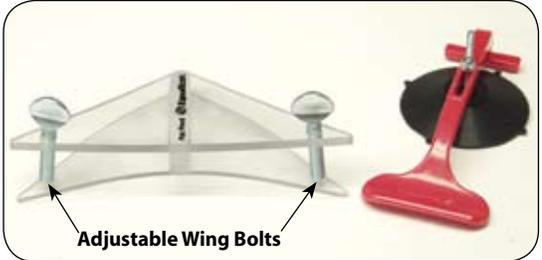




# Moulding Hold Down Tools



Adjustable Wing Bolts



Adjustable Wing Bolts

The wing bolts can be adjusted until the flexible bottom piece forms to perfectly fit any curvature of any vehicle.



Place CurvePro™ on the vehicle and adjust to the correct curvature for the vehicle.



Clamp CurvePro™ in place with the PHT318 Moulding Hold Down Tool.

## CurvePro™ Moulding Hold Down System

**Works with the Moulding Hold Down Tool to fit moulding to any curvature**

Many times a moulding will not lay down correctly around the corners. The way to correct this is to put urethane under the moulding and let it cure.

The problem is you cannot stand there and hold the moulding until the urethane cures. Until now the only real choice you had, if the body had a compound curve, was to use tape. The problem with tape is that it releases

easily. When you remove the tape you may discover you have a bigger problem because the tape released before the urethane cured. Then the moulding is permanently bonded in the wrong position. A moulding hold down tool works great when there is little or no compound curvature to the moulding, but many vehicles have a compound curve, especially around the upper glass area. The CurvePro™ goes around corners and can be adjusted to fit most compound curves.

The CurvePro™ is made of two triangular panels of polycarbonate fastened together with a center spine. The upper panel is thicker and more rigid than the lower panel. It has threads tapped through the upper panel and an adjustable wing bolt on each side that push against the lower panel, creating a curve which can be adjusted to fit any vehicle. After you have adjusted the tool to the proper curve, press down on the moulding and place the PHT318 Moulding Hold Down Tool on the CurvePro™ and it will be held in place until the urethane is cured.

### JMH258 • CurvePro™ With Hold Down Tool



Invented By  
Joe Horvath  
See page 4.



## Moulding Hold Down Tool

The corners on mouldings will often raise up and leave an unsightly gap under them. Taping these mouldings down can be disastrous because the tape will sometimes attack the paint and, in the worst case, remove it. Our Moulding Hold Down Tool is attached with a vacuum cup. Pressure is then applied to each end of the tool by tightening the adjustable wing nut and applying upward pressure on the vacuum cup, thereby applying downward pressure on both ends. These are very useful in the auto glass shop, but they may be even more useful in the body shop.

Sometimes name plates and side mouldings cannot be held with double-face tape and must be glued with an adhesive. Use these to hold the name plate or moulding in place while the adhesive cures. Made of high-impact plastic.

### PHT318



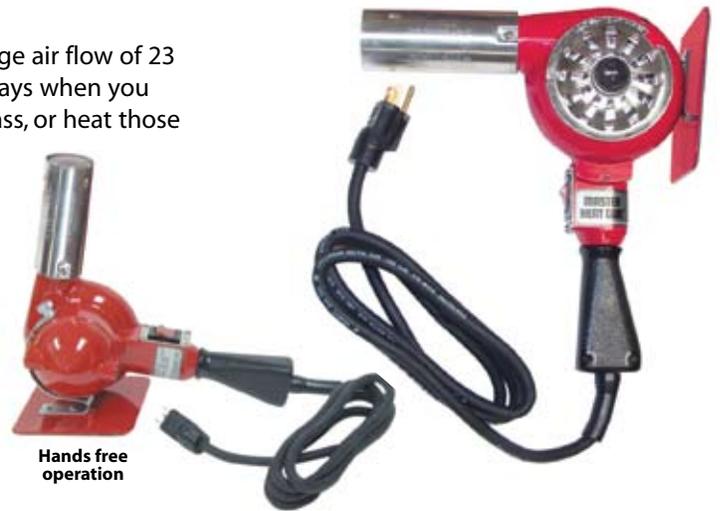


## Heavy-Duty Heat Gun

### Professional, industrial quality design

Our Heavy-Duty Heat Gun will heat up to 1000° F and has a huge air flow of 23 cubic feet per minute. The perfect tool for those rainy/snowy days when you really need to dry out the area around a windshield or back glass, or heat those mouldings. It has a powerful high-speed motor, a sturdy die cast housing, and an adjustable non-slip stand which has a rubber backing so you can sit it on the vehicle without worrying about damage to the paint. The switch is wired so it will blow without the heating element being turned on. When finishing a job you put the switch on the blow cycle and it will cool the heating element. This feature can add hundreds of hours to the life of the heating element. A friction-style air flow adjustment allows you to increase or decrease the heat produced by the heat gun. Uses 14.5 amps (1740 watts). See the explanation below if you are going to use an inverter to power this heat gun. Made in the USA.

**FV1128**



Hands free operation

## Equalizer® HeatWave™ 120 or 220 Volt Heat Gun

Perfect for reshaping mouldings, drying pinchwelds, or warming glass and pinchwelds. This compact, lightweight, easy to use heat gun is perfect for dozens of shop uses. With temperature settings of 570° F and 1050° F, and an air flow of 15 cubic feet per minute, the HeatWave™ will handle a wide range of heating requirements where high and low heat is required. The HeatWave™ features an ergonomically-designed Lexan® housing that is lightweight. It has an oil-resistant, grounded, Neoprene 3-wire cord set. It has a built-in hand and switch guard with a double protected element housing and a wrap-around air intake which allows the gun to draw in air while in the upright position. HeatWave™ has a hanging loop for easy storage, and a built-in stand. Uses 12 amps (1440 watts). See the explanation below if you are going to use an inverter to power this heat gun. Made in the USA.

**HGS353**

### Heating Element

With extended use the heating element on all heat guns will burn out. We offer a replacement heating element for our HGS353 (shown above).

**HE373**



## Is Your Inverter Powerful Enough To Power A Heat Gun?

Many technicians use an inverter to power their heat guns when they are doing mobile jobs. If you use an inverter to power your heat gun there is one important precaution you should be aware of. **Electric output from an inverter is measured differently when powering a device that uses resistance electricity. Resistance electricity is what produces the heat for a heat gun. If you are powering a heat gun, then you should use an inverter that produces at least 1/3 more power than what is called for on the label of the heat gun. For example, our FV1128 is a 14.5-amp heat gun, so 14.5 amps x 120 volts = 1740 watts. Add 1/3 more power, which equals 580 watts, and you will need a 2320-watt inverter to power the heat gun.** This inverter will power all of our heat guns.

**CEL1477 • Equalizer® Inverter " 2500 Watt**

**LT1270 " Hookup Wire 8' Long**



**If you use an inverter to power your heat gun be sure to read the precautions about power requirements.**



# Foam Core Butyl & Premium Masking Tape



## Foam Core Butyl

Many Ford, Lincoln and Mercury original specifications require foam core butyl. In recent years, it has become almost impossible to find. Foam core butyl provides a unique, "memory foam" capability that butyl alone does not have. It provides a perfect leakproof seal every time. Foam core butyl is the perfect seal if you are a company that installs custom windows in vans, sunroofs or any bolt-in type glass. Comes in two sizes.

- NO1336 • 16' Long, 6 x 7 mm** (approx. 1/4" x 1/4") " 6 Pieces Per Box
- NP1337 • 16' Long, 8 x 8 mm** (approx. 5/16" x 5/16") " 6 Pieces Per Box

<p>1985-88 <b>Cadillac Deville &amp; Fleetwood</b> DB06840</p> <p>1986-97 <b>Ford Aerostar</b> DB06822, DB06823, DB06939, DB06952, DB06953, DB06954, DB06955, DD06807, DD06810, DD06812, DD06814, DD06816, DD07577, DD07578, DD07666, DD07667, DD07982, DD07983, DD07984, DD07985, DD07986, DD08820, DD08821, DD08822, DD08823, DQ06818-19, DQ06820-21, DQ07492-93, DQ07494-95, DQ08826, DQ08827, DV06801-02, DV06803-04, DV08000-01, DV08780-81</p> <p>1983-90 <b>Ford Bronco II</b> DQ06531-32, DQ06533-34, DQ06780-81, DQ06930-31, DQ06932-33</p> <p>1992-93 <b>Ford Crown Victoria</b> DQ07911-12</p> <p>1992-02 <b>Ford Econoline</b> DB08029-30, DB08969-70, DB09323-24, DB09520-21, DD08019, DD08020, DD08024, DD09316, DD09318, DD09510, DD09511, DQ08025-26, DQ08027, DQ09319-20, DQ09321-22, DQ09516-17, DQ09518-19</p> <p>2000-02 <b>Ford Excursion</b> DQ09650-51, DQ09652-53</p> <p>1997-03 <b>Ford Expedition</b> DQ09139, DQ09140, DQ09143, DQ09144, DQ09147, DQ09148, DQ09685, DQ09689, DQ09931, DQ09932</p> <p>1991-02 <b>Ford Explorer</b> DQ07805-06, DQ07807-08, DQ07817-18, DQ07989-90, DQ09289-90, DQ09295-96, DQ09405-06, DQ09407-08, DQ09409, DQ09749-50, DQ09876, DQ09877, DQ09878</p> <p>1980-02 <b>Ford F Series</b> DB08981, DB08982, DB08983, DB08984, DB09333, DB09334, DB09410, DB09638, DB09639, DB09911, DQ06071-72, DQ08004-05, DQ08978, DQ08980, DQ09331-32, DQ09349, DY90077, DY90078, DY90081, DY90084, DY90085, DY90086, DY90093, DY90094, DY90101</p> <p>1987-02 <b>Ford Mustang</b> DQ07206-07, DQ07208-09, DQ08430-31, DQ09494-95, DQ09657-58, DQ09925-26</p> <p>1986-02 <b>Ford Taurus</b> DQ06970-71, DQ06972-73, DQ08006-07, DQ08442-43, DQ08857-58, DQ08863-64</p>	<p>1983-94 <b>Ford Tempo</b> DQ06492-93, DQ06494-95, DQ06496-97, DQ07121-22, DQ07389-90</p> <p>1987-97 <b>Ford Thunderbird</b> DQ07198-99, DQ07214-15, DQ07420-21, DQ07422-23, DQ07498-99, DQ07500-01, DQ08644-45</p> <p>1995-02 <b>Ford Windstar</b> DD08477, DD08478, DD08581, DD08582, DD09267, DD09268, DD09536, DD09538, DD10082, DD10083, DQ08479-80, DQ08481, DQ08583-84, DQ08968</p> <p>1988-84 <b>Lincoln Continental</b> DQ07358-59, DQ07360-61, DQ07844-45, DQ07930-31, DQ08455-56, DQ08457-58</p> <p>1984-92 <b>Lincoln Mark VII</b> DQ06623-24, DQ06625-26, DQ06627-28, DQ07830-31</p> <p>1993-98 <b>Lincoln Mark VIII</b> DQ08228-29, DQ08952-53</p> <p>1998-03 <b>Lincoln Navigator</b> DQ09300, DQ09898, DQ09899, DQ09900, DQ09901, DQ09931, DQ09932</p> <p>1990-97 <b>Lincoln Town Car</b> DQ07678-79, DQ07687-88, DQ07689-90, DQ07963-64, DQ08466-67, DQ08468-69, DQ08470-71, DQ08472-73, DQ08956-57</p> <p>1991-94 <b>Mazda Navajo</b> DQ07805-06, DQ07807-08</p> <p>1987-02 <b>Mercury Cougar</b> DQ07200-01, DQ07218-19, DQ07424-25, DQ07426-27, DQ07504-05, DQ07506-07, DQ08646-47, DQ09415-16</p> <p>1997-02 <b>Mercury Mountaineer</b> DQ07817-18, DQ07989-90, DQ09295-96, DQ09407-08, DQ09409, DQ09876, DQ09877, DQ09878</p> <p>1986-02 <b>Mercury Sable</b> DQ07113-14, DQ08011-12, DQ08221-22, DQ08863-64</p> <p>1983-94 <b>Mercury Topaz</b> DQ06494-95, DQ06496-97, DQ07350-51, DQ07389-90</p> <p>1993-98 <b>Mercury Villager</b> DD08159, DD08160, DD08961, DD08962</p> <p>1993-98 <b>Nissan Quest</b> DD08159, DD08160, DD08961, DD08962</p>
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## Premium Masking Tape

*It will not leave adhesive residue on vehicles.*

There are times when you cannot find a door glass and you must tape a piece of plastic or something else over the opening to seal out the weather. The problem with regular masking tape is that if it is not removed within a few hours (or minutes, depending on the weather), it can become almost impossible to remove. This happens because sunshine contains UV light (ultraviolet light) which reacts with the adhesive in regular masking tape and allows the chemicals to penetrate the paint. In the worst-case scenario, it can damage or even remove the paint. This will not happen with our Premium Masking Tape because it is UV resistant. Masking tape is often used to hold down mouldings or other items that must be held in place while an adhesive cures. Our tape also works well for that purpose. Rolls come in four widths. Each roll is 60 yards (180 feet) long and individually wrapped in plastic.



- GBT284 • 3/4" Wide**
- GBT285 • 1" Wide**
- GBT286 • 1-1/2" Wide**
- GBT287 • 2" Wide**

# Moulding Retention Tape



**This tape is not intended to hold the windshield in the vehicle. The sole purpose of this tape is to hold the moulding in place.**



## Gold's Retention Tape

This tape is designed to perform as a temporary holding mechanism for rubber/plastic mouldings used on automotive glass. It is designed to temporarily retain the rubber/plastic moulding in the proper position while the urethane is setting up. Gold's Retention Tape leaves no residue, repels water, and is translucent so you can see if it is holding the moulding in place. Gold Glass Group provides a limited paint delamination guarantee.



Available with or without the imprinted words "Remove Tape In 24 Hours."



You can choose tapes that are perforated every 3" or 6" for easy tearing.



Clear with imprint  
1-1/2" wide



Clear without imprint  
1-1/2" wide



Orange with imprint  
1-1/2" wide



Orange without imprint  
1-1/2" wide



Clear without imprint  
2" wide



Orange without imprint  
2" wide

Part No.	Color	Perf	24 Hour Imprint	Width	Length
GOR1206	Orange	Every 6"	No	1-1/2"	108'
GOR1226	Orange	Every 6"	Yes	1-1/2"	108'
GOR0206	Orange	Every 6"	No	2"	108'
GOR1200	Orange	Every 3"	No	1-1/2"	108'
GOR1224	Orange	Every 3"	Yes	1-1/2"	108'
GOR0200	Orange	Every 3"	No	2"	108'
GOR1201	Orange	None	No	1-1/2"	108'
GOR1221	Orange	None	Yes	1-1/2"	108'
GOR0201	Orange	None	No	2"	108'
GCL1200	Clear	Every 3"	No	1-1/2"	108'
GCL1224	Clear	Every 3"	Yes	1-1/2"	108'
GCL0200	Clear	Every 3"	No	2"	108'

## Burco® Moulding Retention Tape

There are still a lot of vehicles on the road that must have the moulding taped down so the urethane can cure and hold the moulding in place. Burco® Moulding Retention Tapes have excellent adhesion and are available in three different types. The black moulding tape is our standard grade and is intended to be put in place and then removed within 24 hours. The silver tape is a premium grade that is UV resistant and is intended for situations where the tape needs to be left in place for a few days. This tape is also great when you must seal an opening when a glass is not immediately available. The blue tape is a premium grade, low-tack moulding retention tape that should be removed within 24 hours.

**PQ1362 • 2" x 180' Black Tape**

**PR1363 • 1-1/2" x 180' Silver Tape**

**PS1364 • 2" x 180' Blue Tape**





# Moulding Clips



Precision™ Replacement Parts has been providing the auto glass industry with top quality products and outstanding service for nearly two decades. Only Precision™ combines the highest-quality, largest selection, and accurate cataloging. You simply can't go wrong when you choose Equalizer as your source for Precision™ automotive moulding clips, cowl fasteners, setting blocks and mirror buttons.

All parts are manufactured to exacting standards of quality, fit, and finish. Precision™ uses only the highest-quality machinery and virgin materials to produce our products. The products are also ozone resistant and produced in large runs to assure a quality product every time.

## Moulding clips, 25 pieces per bag

Part #	Application	NAGS® Reference	Color
1102001	Acura / Geo / Isuzu	FW648 / 678 / 713 / 812	White
1205001	Ford F150	DW 1529 / DW 1548 / DW 1551 / DW 1621	Black
1401001	Jeep	DW952 / 1140	Black
2101036	Acura / Honda	FW680 / 684 / 753 / 772 / 802 / 803 / 2008	Green
2101046	Acura / Honda	FW680 / 684 / 753 / 772 / 802 / 803 / 2008	Yellow
2102037	Honda	FW641 / 653	Yellow
2102038	Honda	FW641 / 653	Pink
2102039	Honda	FW641 / 653	Yellow
2102042	Honda	FW641 / 653 / 680 / 684 / 805	White
2102053	Honda	FW703 / 705 / 709 / 731 / 732 / 751 / 761 / 805	Orange
2102055	Honda	FW703 / 705 / 709 / 731 / 732 / 751 / 761	Red
2102065	Honda	FW753 / 772 / 802 / 803 / 2008	Green
2106036	Toyota	FW547 / 564 / 580 / 598 / 599 / 608 / 694	White
2106038	Toyota	FW447 / 518 / 532 / 546 / 551 / 639	White
2106058	Toyota	FW546 / 639	Blue
2106079	Toyota	FW580 / 599	White
2106102	Toyota	FW694	White
2109005	Subaru	FW783 / 2089	White
2109008	Subaru	FW741	Orange
2109010	Subaru	FW783	White
2206012	Toyota	FW471	Black
2206061	Toyota	FW598	White
2206062	Toyota	FW598	White
2303003	Mazda	FW501 / 502	Grey
2304001	Mitsubishi	FW444 / 445 / 446 / 493 / 494 / 495 / 496 548 / 563 / 493 / 606 / 617 / 665	White
3101001	BMW	FW574 / 614	Grey
3104001	Volvo	FW398 / 404	Grey
3104002	Volvo	FW398 / 404	Green
3104006	Volvo	FW457 / 575 / 673	Black
3208002	Rover-Honda	Euro-Various	White

# Moulding Clips



## Moulding Clips

<p>Pkg of 25</p> <p><b>1102001</b></p>	<p>Pkg of 25</p> <p><b>1401001</b></p>	<p>Pkg of 25</p> <p><b>2101036</b></p>	<p>Pkg of 25</p> <p><b>2101046</b></p>	<p>Pkg of 25</p> <p><b>2102037</b></p>
<p>Pkg of 25</p> <p><b>2102038</b></p>	<p>Pkg of 25</p> <p><b>2102039</b></p>	<p>Pkg of 25</p> <p><b>2102042</b></p>	<p>Pkg of 25</p> <p><b>2102053</b></p>	<p>Pkg of 25</p> <p><b>2102055</b></p>
<p>Pkg of 25</p> <p><b>2102065</b></p>	<p>Pkg of 25</p> <p><b>2106036</b></p>	<p>Pkg of 25</p> <p><b>2106038</b></p>	<p>Pkg of 25</p> <p><b>2106058</b></p>	<p>Pkg of 25</p> <p><b>2106079</b></p>
<p>Pkg of 25</p> <p><b>2106102</b></p>	<p>Pkg of 25</p> <p><b>2109005</b></p>	<p>Pkg of 25</p> <p><b>2109008</b></p>	<p>Pkg of 25</p> <p><b>2109010</b></p>	<p>Pkg of 25</p> <p><b>2206012</b></p>
<p>Pkg of 25</p> <p><b>2206061</b></p>	<p>Pkg of 25</p> <p><b>2206062</b></p>	<p>Pkg of 25</p> <p><b>2303003</b></p>	<p>Pkg of 25</p> <p><b>2304001</b></p>	<p>Pkg of 25</p> <p><b>3101001</b></p>
<p>Pkg of 25</p> <p><b>3104001</b></p>	<p>Pkg of 25</p> <p><b>3104002</b></p>	<p>2004 &amp; Up Ford F-150</p> <p>Pkg of 25</p> <p><b>1205001</b></p>	<p>Pkg of 25</p> <p><b>3104006</b></p>	<p>Pkg of 25</p> <p><b>3208002</b></p>



# Cowl Fasteners



## Cowl fasteners, 25 pieces per bag

Part #	Application	NAGS® Reference	Color
5203001	Ford	DW1319	Black
6102001	Honda	FW 459 / 479	Black
6102005	Honda	FW7519 / 520	Black
6102006	Honda	FW475 / 479 / 519 / 520	Black
6102011	Honda	FW475	Black
6102018	Honda / Acura	FW641 / 653 / 2009	Black
6102019	Honda	FW641 / 653 / 802 / 803 / 2008 / 2003	Black
6102020	Honda	FW703 / 705 / 709 / 732 / 2023	Black
6103002	Mazda	FW631 / 643 / 2031	Black
6105001	Nissan	FW526	Black
6207002	Grand Vitara / Tracker	FW2105	White
7101001	BMW	FW574 / 614	Black



# Setting Blocks & Mirror Buttons



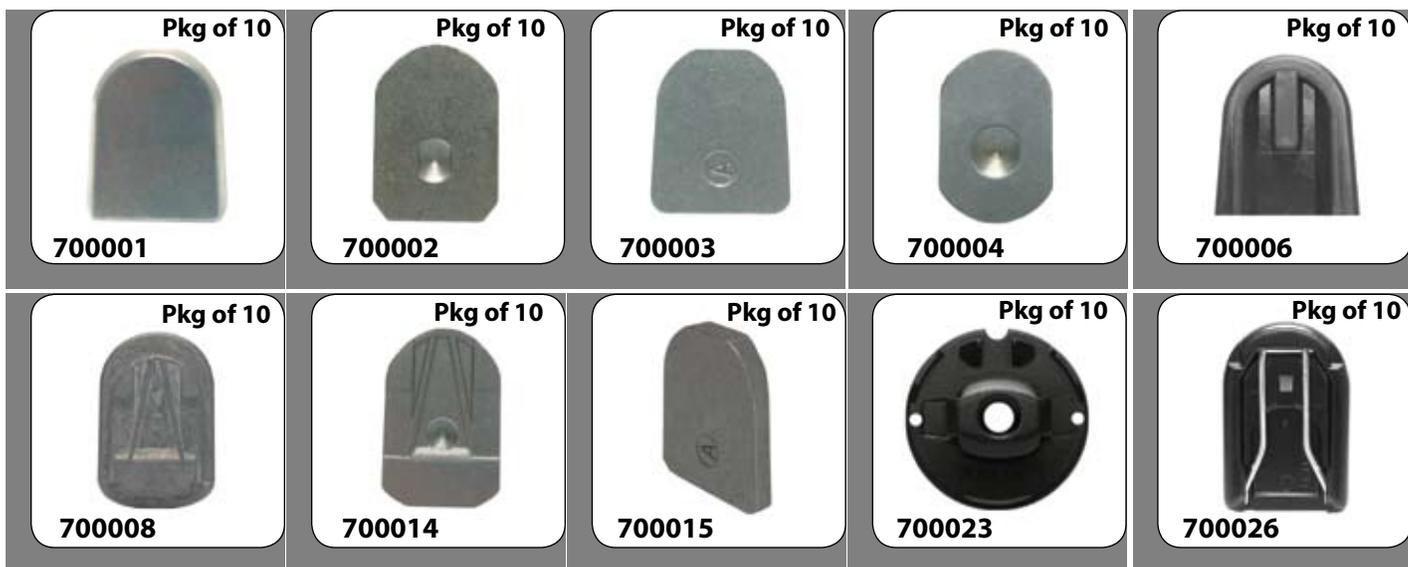
## Setting blocks, 25 pieces per bag

Part #	Application	NAGS® Reference
5103001	81-90 Ford Escort, 74-93 Mustang, 91-94 Explorer, 89-97 Thunderbird, 89-97 Cougar, 79-current Ford Pickups	E9SZ 63030A 12 A, D8ZZ 69030A 12 A
5304001	80-current GM B-Bodies Rear Window	20173225
5304002	Many domestic and foreign applications	1" x 1/2" x 5/16"
5404001	84-00 Chrysler Minivan, 81-89 Aires, 87-95 Le Baron Coupe Convertible	3767196
5404002	97-00 Dakota, 98-00 Durango	55256967AC
5404003	90-97 Le Baron Sedan, 89-95 Spirit & Acclaim, 98-00 Durango, 87-00 Dakota, 94-00 Full Size Pickup, 93-00 Jeep Grand Cherokee	55275388



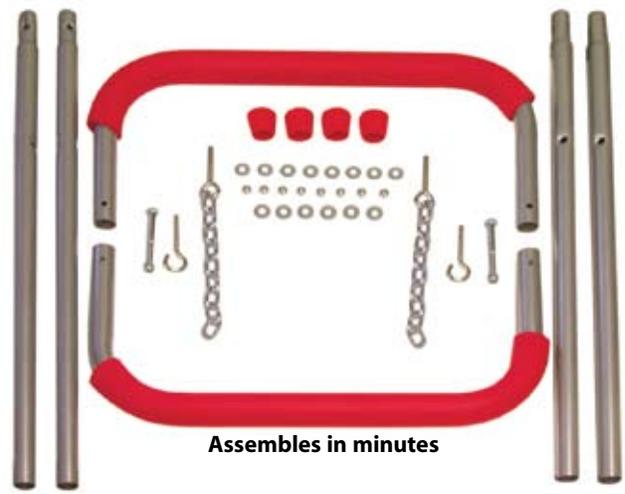
## Mirror buttons, 10 pieces per bag

Part #	Application	NAGS® Reference
700001	Chrysler, Dodge, Jeep	DW952 / 999 / 1028 / 1057 / 1077 / 1118 / 1140 / 1142 / 1179 / 1224 / 1225 / 1226
700002	Chrysler, Ford, GM (< 1986)	DW848 / 952 / 1027 / 1141 / 1285 / 1321
700003	GM	DW1160 / 1168 / 1191 / 1192 / 1193 / 1194 / 1195 / 1265 / 1283 / 1288 / 1299 / 1417
700004	Older Ford (Various)	DW907 / 910 / 911 (old style)
700006	GM	UNIVERSAL
700008	Honda (US model)	FW703 / 705 / 732 / 787
700014	Ford (Conventional)	DW1099 / 1169 / 1170 / 1256
700015	Ford (Break Away)	DW1206
700023	Audi / VW	FW805
700026	Honda	FW2063 / 2064 / 2069





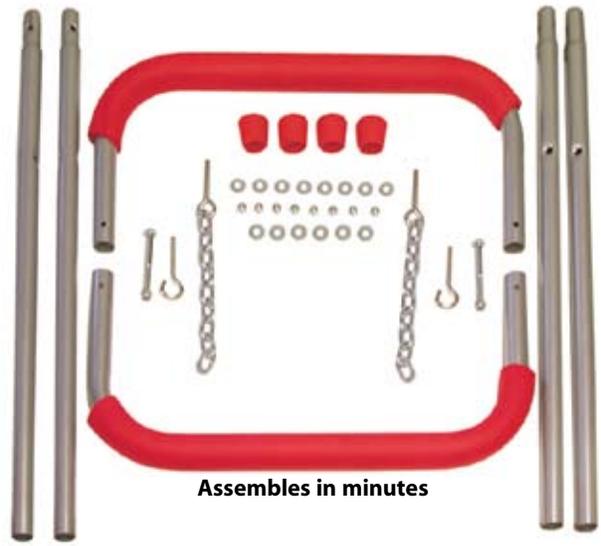
# Windshield Stands & Racks



## Equalizer® Heavy-Duty 28" Wide Windshield Stand

Made of 1" tubing and designed to last a lifetime. The foam that cradles the glass is a medium-density foam that grabs and holds the glass so it cannot move. It measures 28" wide and can be adjusted higher or lower to fit your needs. Height adjustment is done by hooking the I-bolt hook in the end of the chain for the lowest setting and then moving up the links to elevate the windshield stand. Assembles quickly with just 6 bolts. If you wear the foam out, contact us; we have replacement foam pads.

**HDK629**



## Equalizer® 24" Wide Windshield Stand

This windshield stand is made of 1" tubing and is designed to last a lifetime. The foam that cradles the glass is a medium-density foam that grabs and holds the glass so it cannot move. The HDS661 measures 24" wide and can be adjusted higher or lower to fit your needs. Height adjustment is done by hooking the I-bolt hook in the end of the chain for the lowest setting and then moving the links to elevate the windshield stand. Assembles quickly with just 6 bolts.

**HDS661**



## Highest-Quality

### Super Size Vacuum Cups

These vacuum cups are similar to our ESM911 Vacuum Cups, but they are 40% larger and therefore will hold 40% better. Size is not the only advantage; they have a durometer (measurement of hardness) rating that is softer than other vacuum cups of this type. This softer durometer allows the vacuum cups to contour better and flatten tighter against the glass. Designed for automotive use, we do not recommend these be used for plate glass. Do not lift in excess of 100 pounds.

**SSC209 " Two Vacuum Cups**



### Vacuum Cups

Each vacuum cup swivels up and down approximately 30° to fit radically contoured glass. Made of super strong, fiber-reinforced plastic with rubber gripping cups. Simply set the vacuum cups in place, seat them firmly against the glass, and push the thumb latches down to engage the vacuum. You can then comfortably and safely lift any piece of auto glass. Designed for automotive use, we do not recommend these for plate glass. Do not lift in excess of 75 pounds.

**ESM911 " Two Vacuum Cups**



### Ratcheting Tie-Downs

These are used in many ways by the Auto Glass Technician. They are used to hold down small gaskets or mouldings while urethane cures. Ratcheting Tie-Downs are most commonly used to hold vertical-glazed quarter glasses or back glasses in place while the urethane sets. A lifesaver on the VW Jetta and Golf where you need to hold the complete glass and moulding unit in place while the urethane cures.

**RTD499**



### Wood's Powr-Grip Vacuum Cup

These are among the most respected vacuum cups in the world. In our travels we have seen many technicians using these vacuum cups to set automotive glass. Wood's Powr-Grip Vacuum Cups have a pump built into the end that pulls out the air and seals the cup onto the glass. Pump the brass plunger until the red line is hidden and the cup is secure. If the cup loses vacuum the red line appears and serves as a warning that vacuum is being lost. Made in the USA.

**VHC913 " One Vacuum Cup**  
**VCS914 " Two Vacuum Cups**



**WARNING! This vacuum cup has a safe working load rating of 75 pounds.**



### Economy Vacuum Cups

One of our suppliers sent me samples of these vacuum cups. I was not particularly impressed, but I reached over and stuck one to my office window. That was on a Friday morning, and when I walked in the building Monday morning it was still there. I tried to pull it off and had to release the vacuum to get it to come off. Then I was impressed. One thing I really like is that you do not have to push down to attach them. Just hold the vacuum cup snugly against the glass and squeeze the handles together. Squeezing the handles activates a leveraging action that pulls the rubber cup and creates the vacuum. The Economy Vacuum Cups measure 4-5/8" across and are mounted in a housing made of high-impact plastic.

**AJ1012 " One Vacuum Cup**  
**AJ1013 " Two Vacuum Cups**



**Squeezing the handles together creates the vacuum.**



# Windshield Stops

## Universal Windshield Stop

**Cut it to the shape you need.**

We do not recommend permanently installing stops on vehicles that do not have stops installed from the factory. Sometimes regular stops are destroyed in the removal process and you need a replacement stop. When this happens, our Universal Windshield Stops can be a lifesaver. Made of a plastic that is easy to cut and shape to fit your needs, but long enough to work with when the mounting area must be far below the windshield.

**LK1261 " Box of 10**



## TempSTOPs™

Many technicians set a windshield by themselves. On older vehicles, or vehicles with stops, this can be accomplished fairly easily because you can set the windshield on the stop on the other side of the vehicle and the stop will hold the glass while you position it. It is much more difficult if you do not have a stop to set it on. TempSTOPs™ come with a 2" long, 1" wide piece of double-face tape that attaches to the stop. To use TempSTOPs™, clean the area where the stop will be located. Press the stop firmly in place, making sure the complete surface of the tape contacts the body of the vehicle. After you set the glass, twist the stop to remove the double-face tape from the body.

**LN1264 " 10 Stops and 25 Pieces of Double-Face Tape**

**LO1265 " 25 Pieces of Double-Face Tape**



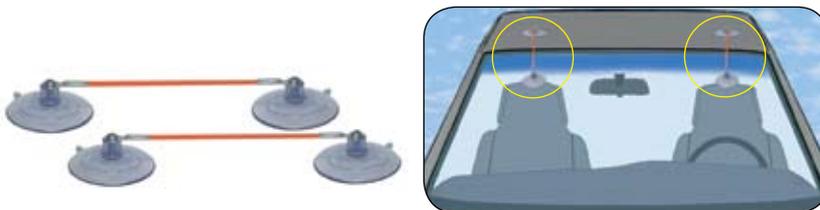
## QuickSTOPs™

**Clamp-on stops that catch the glass and hold it in place**

When manufacturers quit putting stops on vehicles it made the technician's job more difficult. Many technicians install windshields by themselves and will set the windshield on the stop and adjust it to the proper setting position. That is, of course, if the vehicle has setting blocks. QuickSTOPs™ are the solution when there are no setting blocks.

On many vehicles, the drain areas that funnel water away from the motor are located just under the windshield. The openings give you a good area to clamp stops in place without damage to the vehicle. To use QuickSTOPs™, set one of the stops in place and slide the jaws forward on the pressure bar. Take hold of the pressure handle and squeeze it to put pressure on the stop. After the glass is installed, pull the trigger to release the stops. QuickSTOPs™ are made with a hardened steel pressure bar and pressure-locking components. The pressure handles are high-impact plastic. The jaws are made of a soft non-marring rubber. QuickSTOPs™ have a quick-release trigger that allows them to be instantly removed. QuickSTOPs™ come with two clamps and two high-impact plastic stops.

**JW1147 " Set of 2**



## TopSTOP™

**Holds the glass up while the urethane is curing.**

Most of today's urethanes start curing as soon as the windshield is installed. Since most vehicles do not have lower stops, it is necessary to tape the windshield in place while the urethane starts curing. With TopSTOP™, you put the vacuum cups

on the windshield before you set it in place. As soon as the glass is set, you attach the other end of the vacuum cups to the top of the vehicle. By the time you have finished assembling the vehicle the urethane is usually cured enough to hold it in place. You then remove the TopSTOPs™. The wires are bright orange so you will not overlook them and leave them attached to the vehicle.

**LJ1260 " Set of 2**



## Speed Stops™

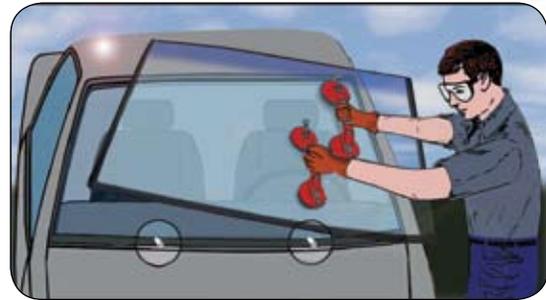
**Helps one person set a windshield.**

Many vehicles do not come with stops and it can be almost impossible to set a windshield without something to hold the lower part of the windshield in place. Our Speed Stops™ can help you in several ways. They can be used as a permanent stop and will not

squeak because they are made of nylon. Nylon is slippery, so when you use the stops to support the windshield you can "slide" it across the stops and lay it in place. Speed Stops™ are 3/4" long, but the nylon spacers can be quickly removed and shortened so Speed Stops™ will fit any vehicle. You can install the Speed Stops™, and as soon as the urethane is set up sufficiently to hold the windshield in place, you can remove them and use them again (be sure to seal the small holes). Speed Stops™ are self-tapping so there is no need to drill a hole. It is important that you look inside the vehicle to be sure the screw will not hit anything important on the inside. Also, you should put a sealer under the stop (around the screw) so there is no possibility of water leaking into the vehicle.

**TJ1432 " Package of 10 Stops**

Apply Speed Stops™ to the vehicle before removing windshield.



## Rubber Setting Blocks

Those of you who have been around the industry for a number of years remember the rubber setting blocks that came with every box of butyl tape. Like you, I threw away thousands of them. Years later, I found myself wishing I had those setting blocks. Now they are available from Equalizer. Size is 3/8" x 3/8" x 1", and made of hard rubber.

**KB1228 " Package of 50**



## Equalizer® Scratch Removal System

You can remove those scratches instead of discarding the scratched glass. The Equalizer® Scratch Removal System can easily pay for itself with just a couple of scratch removals. Our system utilizes polishing discs that have a surface consisting of precisely shaped, fine-grade cerium oxide "pyramids." As the "pyramid" tops wear down, fresh polishing material is continually exposed.

That means a fast, consistent polish rate with distortion-free results. Even deep scratches disappear in a few minutes. The multi-speed buffing machine is a 120-Volt buffer, but can also run on either a true sine wave or modified sine wave inverter (inverter must produce 1500 watts). Kit contains buffing machine, wax pencil for marking scratch location from inside the vehicle, general purpose backup pad, 50 cerium oxide polishing discs in a protective case, bottle of pre-mixed cerium oxide polishing compound, Velcro® backup pad/sponge for final polishing, and video user guide, all in a heavy-duty carrying case (great for the mobile technician). If you own a glass shop or are in the glass distribution business, then you should definitely own one of these.

**KIT1810**



**WARNING! Removing deep scratches will produce some distortion.**

## Scratch Removal Compound

This is the same cerium oxide scratch removal compound that is included in our KIT1810. Cerium oxide normally comes as a powder and must be mixed with water. The problem is getting the right consistency for it to work properly. Our pre-mixed cerium oxide has both water and stabilizers to keep it in the correct consistency through months of storage. It comes in a flip-top bottle.

**LIQ5032 • One Quart**





# Auto Glass Setting Tools

Patent Pending



## Equalizer® AccuSet™

Each time a new trend comes along in the auto glass industry it creates a new set of problems for technicians. Many of the new vehicles have an exposed edge on the glass and the glass is set very precisely in the opening. Setting the glass exactly in the center is difficult to accomplish, especially for one person working alone. Our AccuSet™ setting blocks solves this problem for you. They are made of UHMW (ultra-high molecular weight) plastic and each side has a distinctive contour that will fit different types of vehicles. The vacuum cups can be attached to the body or the glass and the Neodymium magnets can be attached to metal surfaces that are not smooth. To use AccuSet™, place one of the vacuum cups or one of the magnets on the nylon spacer, then attach the AccuSet™ to the body. You are now ready to set the glass on the AccuSet™ and slide it precisely into the opening. Great for Chevrolet vans, trucks and Suburban; Chrysler vans; Dodge vans and pickups; Ford Excursion, Expedition, Explorer and Windstar; Honda, Hummer, GMC, Jeep, Lexus, Lincoln, Mercedes, Mercury, Mitsubishi, Nissan, Saab and many more. Set contains 4 AccuSet™ setting blocks, 4 vacuum cups, and two Neodymium magnets in a foam-lined, clear carrying case.

TR1439



## AEGIS® Glass Handlers Kit

*Designed by Auto Glass Technicians*

AEGIS® Glass Handlers Kit was specifically designed for installing windshields, back glasses, door glasses, and quarter glasses in vehicles. The unique handle design allows good hand positioning. The handle's smooth, curved shape gives the user good control while handling large pieces of glass. Each cup is equipped with a vacuum pump. To use the pump, just push it in and out (spring-loaded) until the red line disappears.

This means you have a good vacuum. The red line is a safety feature; should the red line become visible it means you have lost some of the vacuum and should pump the vacuum again. To use these cups we recommend that you dry-set the glass into the opening, and place reference marks to help you align the glass when you install it. Each kit comes complete with carrying case, two vacuum cups, a foam pad (to set your elbow on when setting windshields and some back glasses), a video, a bottle of glycerin to clean the vacuum cups, and a well-written, four-page users guide. The users guide has several easy-to-follow pictures to help you understand how to use this kit. Made in the USA.

GEZ543



Set the glass on the peg at the bottom of the Auto Glass Setting Stick™. It is held in place while you put your side where you want it.



Set the Auto Glass Setting Stick™ out of the way and you are now ready to place the glass in position.



After setting your side, walk to the other side, lift the stick up a small amount and slide the Auto Glass Setting Stick™ out of the way.

## The Auto Glass Setting Stick™ Set windshields and back glasses by yourself!

Most technicians prefer to install a windshield by themselves rather than have an inexperienced person help. Now you can easily install a windshield by yourself without worrying about setting it properly. Developed by an Auto Glass Technician, the Auto Glass Setting Stick™ sits over the windshield wiper post

on the bottom or it has a non-skid pad that can be placed against the body when setting back glasses. This non-skid pad is also useful when the wiper post is not in the right location. The top is held above the vehicle with a non-skid rubber pad that keeps the Auto Glass Setting Stick™ elevated. Made in the USA.

HST212 " Auto Glass Setting Stick



Invented By  
Randy Boone  
See page 4.



## HoodStop™

### *Stops the windshield in the correct place*

Here is a simple solution to one of the most annoying problems a technician faces today. When a vehicle does not have stops, it is difficult for one person to set the windshield because he does not have anything to set it on. Dave Griesmer solved that problem for all of us with the HoodStop™. Put the hood all the way down, dry-set the windshield, set the stop on the windshield in the proper position, and engage the vacuum. When you set the windshield, the HoodStop™ will stop the windshield in the correct place. A non-marring piece of felt attached to the bottom of the HoodStop™ prevents damage to the hood. You can then use tape or a set of our TopSTOPs™ to hold the windshield in place while the urethane is curing.



Invented By  
Dave Griesmer  
See page 4.

**RL1382**

## Eye Spy

One of the most difficult things about setting a windshield properly by yourself is that you cannot see past the curvature of the glass, so you do not know when you have the glass in the proper position to lower it into the pinchweld. With Eye Spy, you simply look in the mirror and you know exactly where the glass is located. Eye Spy is mounted to the vehicle with a powerful magnet that works through a soft foam rubber shield, which prevents damage to the vehicle. A stainless steel mirror with a telescoping rod can be set at the correct height so that no matter what the shape of the vehicle, or the position of the glass, the mirror is visible. A multi-directional ball swivel allows you to adjust the mirror to any angle so you can see the glass and pinchweld. Position Eye Spy on the fender, and be sure you can see the bottom of the glass from the other side. Each tool is shipped with a protective cover that keeps the stainless steel mirror from being damaged when it is in your toolbox.



Invented By  
Dmitriy Kaplyuk  
See page 4.



**MMS770**

## Stoptl™

There are several tools to help you set a windshield by yourself. Even with the help of these tools it can be difficult to judge the exact location of the glass on the other side of the vehicle. Unfortunately, that is exactly what you need to know. Where is the glass and when can you set it down? The Stoptl™ is a small plastic stick with a built-in piece of double-face tape. To use them you stick them on the inside of the pinchweld. When you put the glass across the opening, you watch for it to touch the Stoptl™ and then you know you are at the proper position so you can set the windshield into the opening.

**DRG323 • Package of 20**



Invented By  
David Whisenhunt  
see page 4.





# Glass Racks



Pull the friction pin out and fold the glass mast down. Friction pins will never be lost because they are held in place by a steel lanyard.



A spring-loaded steel ball bearing keeps the friction pins from falling out.

## Lo-Rider™ Folding Glass Racks

How often do you need to carry something in your truck or van, but can't because your glass rack is in the way? Equalizer® has solved the problem with folding glass racks. Four friction pins hold the mast assembly in a vertical position. When you want to fold the mast, pull out the four friction pins, and then lay the masts down. It takes about thirty seconds! Available in two sizes: 9-slot and 5-slot. The 9-slot is for the glass shop that does a larger volume of work. The 5-slot is for the shop that does both glazing and auto glass, but works out of one vehicle. Mount it over to one side and you can put a glazing rack on the other side. Fold it down and you can load additional items on top of the glass rack. The racks come pre-assembled, just bolt the rack to the vehicle and you are ready to go. Constructed with heavy-duty aluminum so there is no paint to chip or metal to rust. Wide mast spacing allows you to carry any size glass panel. Easy loading of glass from top or side allows you to work out of trucks or vans. The NSE826 measures 32" L x 30" W x 21" H and the NSE825 measures 20-1/2" L x 30" W x 21" H. Made in the USA.

- NSE825 • 5-Slot Heavy-Duty Folding Glass Rack**
- NSE826 • 9-Slot Heavy-Duty Folding Glass Rack**



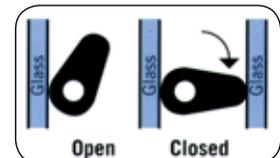
## Burco® Redi Rack™

Burco® has established a solid reputation as a manufacturer of high-quality windshield racks. They have also established a reputation for innovation. Actually, in my opinion, the person who developed the Slick Eddie™ deserves a medal! Burco® Redi Racks™ are constructed of heavy-gauge steel with a highly durable black, powder-coat finish for all-weather protection and low maintenance. Redi Rack™ carriers secure windshields in place with Burco's exclusive and proprietary finger-lock design to prevent damage in transit. The BS1047 has 15" high masts and the rack measures 18" L x 30-1/2" W x 18-1/2" H. The BT1048 has 15" high masts and measures 30" L x 30-1/2" W x 18-1/2" H. The BV1050 has 24" masts, a low-profile base and is designed to fit in vans. You can put a windshield up to 47" high in a full-size van when you use the BV1050. It measures 30" L x 30" W x 26" H. Made in the USA.

- BS1047 • 5-Slot With 15" Masts**
- BT1048 • 9-Slot With 15" Masts**
- BV1050 • 9-Slot For Vans, 24" Masts**
- BW1052 • Slick Eddie**



Slick Eddie™ free with each Burco® windshield rack. Makes loading and unloading windshields easier by reducing friction between windshield and rubber base.



Proprietary finger-lock design

# HotShot™ Windshield Storage & Mobile Vise



Mounts on any vehicle with a 2" receiver hitch in only seconds

Patent Number. 5,465,883



Holds up to four windshields



Tail lights stay visible to people behind you



Use it as a work-stand.



Store masts in the end; tailgate can still be lowered or van doors can be opened.



Store the masts vertically. Either way, they only stick out 8" from the bumper.



Even when in use, HotShot™ only sticks out 18" from the bumper.

## Equalizer® HotShot™

**Turn any car, van, pickup, even an SUV, into a safe windshield delivery vehicle.**

Mount it on your truck, van, company car, salesman's vehicle, or your CSR's MPV to transport windshields safely with no worry about breakage. HotShot™ will mount in just seconds to any vehicle that has a 2" receiver hitch. It frees up space in your pickup bed or van interior so that space can be used for other things. Keep HotShot™ lying around the shop and when someone needs a quick delivery, just attach it to the first available vehicle. You can also face the mast assemblies inward, leave it attached to your vehicle, forget it is there, and it will be there when you need it. When fully deployed, it extends only 18" from the bumper. In the stored position it extends only 8". If you are only installing one windshield, it makes a great work-stand. HotShot™ has specially designed, plastic-covered masts with upper and lower rubber holders to eliminate scratching and to hold the windshield firmly in place. We attached HotShot™ to one of our own trucks and ran it over railroad tracks, hit speed bumps without slowing down, and turned curves way too fast. We never had a windshield move. It holds four windshields, is ruggedly built, is made of square steel tubing, and will give you years of carefree service. Made in the USA.

**AWC272**

## Mobile Vise Mount

When you are running mobiles, you do not need a vise every day, but when you do need one, you really need it. Most people do not mount a vise in their mobile vehicle because the vise is always in the way when not in use. Scott Owens came up with a simple and ingenious way to solve this problem. The vise mount is built around a 2" trailer hitch with a 1/4" thick piece of steel welded to the hitch. The vise is **not** included, so you will need to get one, drill four holes, mount the vise, and you will be ready to go. Mobile Vise is very simple to install, just slide it into any 2" trailer hitch, push the pin latch in place, and it is mounted. When you do not need the vise, just tuck it away in some unused corner of your mobile vehicle.



Invented By  
Scott E. Owens  
See page 4. **THM457**



**Vise Not Included**

## Bolt Together Windshield Rack

Equalizer is happy to announce the addition of these windshield racks to our line of products. They are made of 2" x 1" x 3/16" steel channel. The secondary supports are also made of 2" x 1" x 3/16" steel and the removable masts are 1" steel pipe. The masts are covered in high-density extruded foam. This windshield rack must be assembled. Made in the USA.

**EQP2002 • 20 Lite**  
**EQP2003 • 30 Lite**



**This item is UPS shippable, but the package is oversized and extra shipping charges apply.**



# Need A Lift?



### The Equalizer® stepUP™

**Hideaway step increases the height of the stepUP™ from 8" to 15-1/2".**

Drive up the road today and half of the vehicles you see are too tall for a normal person to comfortably remove and replace the windshield. Many of us find anything we can get to stand on while we are working on those tall vehicles and that is dangerous. What you need is a real work platform and that is what the Equalizer® stepUP™ is... a work platform, not a stool. This 22-inch-square safety platform puts you at just the right height so that you can work comfortably and safely. It has a perforated non-slip tread area, plus yellow traction strips on the edge of each step for added safety. It holds up to 350 lbs., and measures 8" high at the first step and 15-1/2" high at the second step. It features durable, heavy-duty construction for years of dependable use. Built-in casters give you the ability to roll it across the floor or parking lot to wherever you want to use it. The casters are spring-loaded and retract instantly when you step on the platform.

**VCP460**



### Wheelstep™

Simply unfold this stepladder, hook it over the wheel of the vehicle, and step up to work on the windshield. It gives you a 12" to 20" boost, depending on tire size. Rugged 1" tubular steel easily supports up to 200 pounds. The 22" wide non-slip, safety-surface gives positive traction. Folds flat for compact storage.

**SL493**



### Crash Wrap®

**Clear plastic weather barrier**

Crash Wrap® film is a tough, flexible, self-adhesive plastic film. It is used to cover the opening when you cannot replace side glasses or back glasses. Crash Wrap® is clear so the driver can see through it and it is 5 mils thick so it will protect the interior of the vehicle from the weather. The film is coated on one side with a special, light-tack adhesive designed to hold fast yet still be removed without the adhesive transferring. The film contains ultraviolet inhibitors to prevent sunlight damage when exposed for extended periods of time. Crash Wrap® film is quick and easy for one person to use. The free end of the film adheres quickly and holds itself in place while you cover the open area.

**CWP289 • 100' Roll**



## Kool Safety Glasses

If you must wear safety glasses, then why not wear a nice looking pair? Our clear safety glasses are the same style that is included in our Equalizer® line of Auto Glass Cut-Out Knives. Our FGS132 pair is the same type, but with gray-tinted lenses. They meet ANZI 87.1 for primary eye protection.

**FSG130 • Clear Lenses**

**FGS132 • Gray Lenses**



**FSG130**



**FGS132**

## SAS Stingers Safety Glasses

*Sleek, sporty, wraparound style lenses.*

Several years ago I worked for a large glass chain. We had several eye injuries and the company made it a requirement that our technicians wear safety glasses. No matter how hard I tried, I could never get my technicians to wear safety glasses, but one day it occurred to me that every one of my technicians wore sunglasses. I searched around until I found some fancy safety glasses and then gave a pair to each of my technicians. The problem was solved. Are you having trouble getting your technicians to wear safety glasses? Try a pair of these and I am guessing your problem will be solved. They meet ANZI 87.1 for primary eye protection.

**JB1219 • Sunglasses, Blue Lenses**

**JC1220 • Clear Lenses**



## Safety Glasses

These impact-resistant safety glasses *fit comfortably over most prescription eyewear*. An advanced temple design holds well for extraordinary comfort. Meets ANZI 87.1 for primary eye protection.

**ESG735**



## Leather Full-Finger Anti-Vibration Gloves

*Nylon mesh back gives you the flexibility to grip tools easily.*

These are the highest-quality anti-vibration gloves. They have Sorbothane® padding in the palm and Gel-Foam in the thumb, thumb-joint, and all fingers. They have a nylon mesh back and an elastic cuff both with a hook-and-loop closure tab.

**RF1376 • Medium**

**RG1377 • Large**

**RH1378 • Extra Large**



## Full-Finger Mechanic's Gloves

*Machine wash and dry*

If someone had told me a few years ago that I would one day consider wearing gloves to do auto glass work, I would probably have laughed at them. Probably? I definitely would have. I have many scars on my hands that prove I never wore gloves, and also proves I am not the brightest person in the world. Some of the work an Auto Glass Technician does is delicate and could not possibly be done while wearing gloves, but a lot of the work is rough and leaves you prone to cuts, abrasions, and damage to your hands. Our Full-Finger Mechanic's Gloves have a stretch-knit padded back, synthetic leather palm, and elastic cuff with hook-and-loop closure.

**RI1379 • Medium**

**RJ1380 • Large**

**RI1381 • Extra Large**





# Useful Tools



**Unique reverse sharpening is designed to remove damaged screw heads**



**Removes these types of screws**

## Damaged Screw Removers

Now removal of stripped screws is possible with Equalizer's Damaged Screw Removers. They can be put in any variable-speed drill/driver or can be used by hand in any 1/4" interchangeable-bit screwdriver. When using a drill/driver, simply set the tool to reverse, place the tip on the center of the damaged screw, apply firm pressure, and run the drill/driver at a very low speed. The remover will bite into the screw and turn it out. Three sizes of screw removers (small, medium, large) can remove Philips, slotted, hex, Torx®, Pozidrive®, clutch, Philips/slotted and square screws. The 3-1/2" x 2-1/4" x 1/2" case is compact enough to take up very little room in your toolbox. It's another one of those innovative tools that you should never be without.

**DSR726 • Damaged Screw Removers**



## ScrewGrab™

**Increases the grip between screwdriver and screw by 400%!**

ScrewGrab™ is a simple solution to a very frustrating problem; screw heads that strip out. Put a single drop of ScrewGrab™ in the head of a screw, or on the tip of your screwdriver, and it creates a positive grip between metal surfaces. Through experience most technicians can identify screws that are potential problems. Before trying to remove the screw, put some ScrewGrab™ in the screw head and prevent a problem. It works instantly, wipes clean, no staining, is odorless, non-toxic, and has an unlimited shelf life. This is one of those items a technician should never be without.

**SGT364 • 1/2 Ounce Tube**



## Loctite® Threadlocker

**Blue (removable) Loctite®. The bottle is red but the Loctite® is blue.**

Many door glasses are held in with bolts, and most of those bolts are held securely by Loctite®. When you remove a bolt that is held by Loctite®, you should always put a drop on it when you put it back. One drop ensures a secure hold and prevents loosening. It is also useful when working on oscillating tools, vacuums, your motorcycle, chain saw, or anything that vibrates when running. This works with anything that is put together with screws and bolts. You can be sure bolts will not vibrate out when they are held together with Loctite®.

**LOC242 • 10 ml**



## Miniature Screwdriver Set

Sometimes technicians encounter small screws. That is when you will be happy you have a set of these. There are 6 swivel-top slotted screwdrivers that range in size from less than 1/16" up to slightly larger than 1/8" wide. There are also 6 swivel-top Phillips screwdrivers that range in size from less than 1/16" up to slightly larger than 1/8" in size. There are three long-shanked slotted screwdrivers that range in size from 3/32" up to 5/32" and three long-shanked Phillips screwdrivers that range in size from 3/32" up to 5/32". There is also a nice pair of tweezers, a handy little pair of side cutters, and a small, well-made magnifying glass. Each set comes in a secure latch plastic box that is lined with a form-fitting foam that keeps the tools in place when the case is opened.

**GMK724**



## Shakelite™

You will never be without a working flashlight again. Why? Because this flashlight does not need batteries. Just shake it for 30 seconds and it will give light for 5 minutes. How does it work? As you shake the flashlight back and forth, a charging magnet slides through a copper coil and generates electricity that is stored in the capacitor. The capacitor feeds electricity to the light bulb. The bulb is an Ultra-Bright LED that will burn for up to 100,000 hours. It gets even better. We designed the Shakelite™ with two small Lithium back-up batteries that will power it for up to 50 hours before they run down. When they run down, you can replace them or just shake the flashlight when you need light. Order two because you will need one in your toolbox, and one in your family vehicle.

**TU1441**



**Shake it for 30 seconds  
and it will light for 5 minutes.**

## DeWalt 18-Volt FlexLight

I have owned one of these since they were put on the market several years ago. It is the handiest light I have ever owned. Set it, hang it, point it, and it stays where you put it. Auto Glass Technicians will find hundreds of uses for this light. Most importantly, it uses the 18-Volt battery from your Equalizer® Freedom, Equalizer® Express®, or any DeWalt 18-Volt product.

**DW919 • Flexlight Only**



**The battery and charger are not included.**



**Accessories For Flexlight & Heavy-Duty Flashlight**  
**DW9096XR • 18-Volt Express® Battery**  
**DW9116 • 120 or 220 Volt, 1-Hour Charger**  
**DW9109 • 12-Volt Automotive Charger**

## DeWalt 18-Volt Heavy-Duty Flashlight

A flashlight can be a valuable tool to the mobile auto glass technician when working in low-light areas such as a parking garage. This freestanding, heavy-duty flashlight has up to 3 hours run-time. The pivoting head design allows for handsfree light at five different angles, putting the light where you need it. A spare bulb is located behind the lens holder so you're never in the dark. Best of all, it uses the 18-Volt battery from your Equalizer® Freedom, Equalizer® Express®, or any 18-Volt DeWalt product.

**DW908 • Flashlight Only**

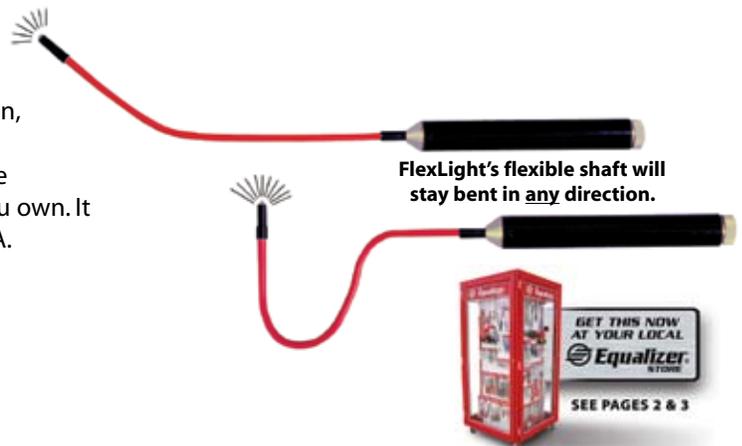


## FlexLight

FlexLight has a 9" flexible shaft that stays bent in any direction, even around corners, so you can shine light directly where it is needed. The FlexLight can be used to find lost screws inside doors or under hoods. It may be one of the handiest tools you own. It operates on two AA batteries (not included). Made in the USA.

**FL203**

**FLB232 • Bulb And Flexible Shaft Assembly**



**FlexLight's flexible shaft will  
stay bent in any direction.**



SEE PAGES 2 & 3



# Leak Detection



## Ultrasonic Leak Detector

*With sensitive audio/visual controls*

Everyone in the auto glass industry has encountered an air or water leak that is almost impossible to find. With our Ultrasonic Leak Detector, you can find those leaks. It works by setting a transmitter inside the vehicle, then the transmitter sends out a sound, not audible to human ears, which passes through the opening that is causing the leak. As you slowly run the receiving wand over the suspected area, the receiver will pick up the transmitter's sound waves and make a sound that you can hear, showing you exactly where the leak is. One important thing to remember is to check the vehicle while it is dry, or after you have dried it thoroughly (water can get into the leaking area and seal it so sound cannot get through). Many large glass chains have made the use of leak detectors a requirement for all glass installations. Every vehicle is now checked after the glass is installed and they have reduced their leak problems by 90%. The Ultrasonic Leak Detector has both audible and visible indicators, including leak intensity indicators. It is completely portable and battery powered (two 9V batteries included, one for transmitter and one for receiver). No warm-up needed, ready to use when powered on. It has a one-year warranty.

**NLD459**



## Listen for leaks!



## LeakDoctor™

There are two ways to use the LeakDoctor™. The first way is to close all windows tightly, and turn the radio up very loud. Then go around the outside perimeter of the glass, and listen for the sound of the radio getting louder. Another way is to have someone drive the vehicle up the road while you listen around the inside glass for the noise that will be created by air being pulled through the hole. LeakDoctor™ comes with an insulated listening device that can be run over the body or moulding and will not damage them. It also comes with a long probe that can be put below the dash, garnish mouldings, or behind the headliner when someone is driving the vehicle and you are listening for the leak.

**SLD351**



Invented By  
**John Burns**  
See page 4.



## Equalizer® Front Seat Mask

Have you ever sat down in a customer's vehicle with goop on the seat of your pants, or dribbled a little urethane while gunning it on the pinchweld? The Equalizer® Front Seat Mask will help you keep your customer's vehicle clean and your customer coming back. This mask is designed to cover the front seat(s) of the vehicle you are working on. It is crafted of an automotive cotton/polyester blend. It is washable and built to last. The Equalizer® Front Seat Mask will fit securely around bench seats as well as bucket seats with a console between them. A tough elastic band is sewn into the edge and this creates a snug fit.

**FSL282 • Equalizer® Front Seat Mask**



## Equalizer® Steering Wheel Masks

Have you ever left the steering wheel of a customer's vehicle a mess from driving or moving it around your shop with dirty hands? If so, then you'll love our new Steering Wheel Masks, that will fit around most steering wheels using heavy-duty elastic bands. These economical, reusable masks are available in packages of ten and are made of a white protective-grade vinyl.

**STC283 • Box of 10**



## Slip-N-Grip® Seat Protectors

**Replace one seat cover and you have spent enough to pay for a year's supply of these.**

Think about some of the vehicles you work on. One drop of urethane or primer on a seat cover and you could lose all the profit you make that day. Urethane and primer can stain a seat cover so badly that there is nothing you can do but replace it. I am not just talking about fabric seat covers; primer can destroy the finish on a leather seat cover also. Our patented contour and square Slip-N-Grip® Seat Protectors use a unique multi-layer film structure that grips the seating surface, keeping the cover in place and protecting the seat while you work on the vehicle. The smooth top surface allows a technician easy movement when working inside the vehicle. All Slip-N-Grip® Seat Protectors are 100% recyclable.

**PX1368 • Box of 250**



## Slip-N-Grip® Steering Wheel Protectors

Your hands become dirty while you are installing glass. If you stopped and cleaned your hands every time they became dirty, you would spend more time cleaning your hands than you would doing the work. You take hold of the steering wheel to turn the switch on, to pull it into a parking place, while you are cutting the glass from inside, and dozens of other times that you do not even think about. A drop of primer can ruin some steering wheels. A greasy spot on the steering wheel will convince the customer you have done a terrible job. Keep the steering wheel clean with universal-fit Slip-N-Grip® Steering Wheel Protectors.

**PY1369 • Box of 250**



## Slip-N-Grip® Floor Mats

**Made of tough plastic, not paper**

An automobile is the second largest investment made by most households. If you treat that automobile like it is not important, chances are the owner will remember how you treated their investment. Show your customers you care by putting down some protective floor mats, and cleaning the floor of the vehicle after you are through installing a glass. Even though they may throw the mats away when they get home, they will remember you considered their automobile important, and become a repeat customer. The same patented technology used in our Seat Protectors is used in the manufacturing of our Slip-N-Grip® Floor Mats. Unlike paper mats, these plastic mats stay in place, and they do not degrade when they become wet.

**PZ1370 • Box of 500**





# Glass Cutters & Accessories



## Fletcher Glass Cutters

Fletcher has been in business for 137 years. If you have managed to stay in business for that long, then you are doing something correctly. What Fletcher does correctly is make high-quality glass cutters, and they make them here in the USA.



**FT01711** Designer II is the top-of-the-line cutter; if you want the best, this is it. It has a tungsten carbide cutting wheel angled at 140°. It has a wick-fed design for precise dispensing of cutting fluid and a brass ball end for starting the run in the glass. The head of the Designer II can be locked for straight cuts or placed in a swivel position, so it will swivel around a radius cut.



**FT01702** Scoremaster II is a glass cutter that dispenses cutting fluid. It has a tungsten carbide cutting wheel angled at 140°, and a brass ball end.

**FT01213** and **FT01219** have a long lasting carbide wheel that is angled at 124°. The **FT01213** has a straight end while the **FT01219** has a ball end.

**FT01111** and **FT01118** are also two of the most used glass cutters in America. Both feature a steel wheel angled at 120°. The **FT01111** has a straight end while the **FT01118** has a ball end. The **FT01826** may be the most used glass cutter in the world. If you walked into every glass shop in America you would probably find one of these in 90% of those shops. It features a steel cutting wheel angled at 130° and has a ball end.



**FT01711 • Carbide Wheel • Fluid Dispensing • Ball End**



## EnviroGOLD™ Glass Cutting Fluid

Designed to be used with "Gold Tip" Designer II glass cutters. Extends the life of the cutting blade. It is biodegradable, non-flammable, non-toxic, and non-corrosive.

**FT09541**  
**4-Ounce Bottle**



**FT01702 • Carbide Wheel • Fluid Dispensing • Ball End**



*Buy them by the dozen and save \$\$\$*



**FT01219 • Carbide Wheel • Ball End**  
**FT01220 • Carbide Wheel • Ball End • Box of 1 Dozen**



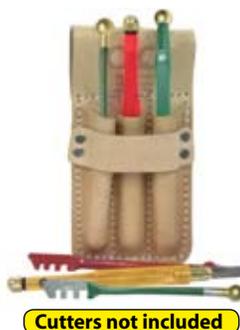
**FT01213 • Carbide Wheel • Straight End**  
**FT01214 • Carbide Wheel • Straight End • Box of 1 Dozen**



**FT01118 • Steel Wheel • Ball End • Price Each**  
**FT01119 • Steel Wheel • Ball End • Box of 1 Dozen**



**FT01111 • Steel Wheel • Straight End • Price Each**  
**FT01112 • Steel Wheel • Straight End • Box of 1 Dozen**



## 3-Pocket Glazier's Glass Cutter/Tool Holder

The perfect way to carry your glass cutters or rearview mirror tools. These small tool pouches have been around the industry for years. I have seen them on Auto Glass Technician's belts and I am sure the pouches were 30 years old. They are made of top-grain leather that is nylon-stitched and reinforced with rivets. Designed with a front loop to hold a tape measure. The belt loop attachment will fit belts up to 2" wide. Made in the USA.

**GK1152**



**FT01826 • Steel Wheel • Ball End • Price Each**  
**FT01827 • Steel Wheel • Ball End • Box of 1 Dozen**

# Glass Cutters & Accessories



## Toyo Glass Cutters

When Toyo Glass Cutters were introduced thirty years ago, they were the first in a generation of self-oiling professional glass cutters. They were radically new in design and featured a revolutionary cutting wheel technology developed entirely by Toyo. This technology offered the advantage of a much longer wheel life and a patented oil-feed system for a cleaner score. Over the years, Toyo has improved their designs and today Toyo Glass Cutters come in translucent (see-through) fluorescent colors as well as clear acrylic. Because they are translucent you can see how much oil is in the cutter. Each cutter utilizes an end cap with an oil ring so the oil will not leak from the end of the cutter. They are of the highest-quality and have become one of the most-used glass cutters in the world.

Some people are good at cutting glass and some people are great. If you watch great glass cutters you will soon notice one thing. They won't let anyone else use their glass cutter. Toyo Glass Cutters are available in six different colors, plus clear. You can pick your own color so everyone will know which one is yours. Give us a couple of choices on the color in case we do not have your first choice.

- AF1009 • Your Choice of Color**
- AX1027 • Box of 6 • Includes One of Each Color**
- AE1008 • Clear Acrylic Supercutter**



AE1008 Original Supercutter

## Cutting Oil

We also have cutting oil for these cutters. It is an odorless, synthetic lubricant specifically formulated for self-oiling cutters. Non-corrosive and water-soluble for easy cleanup.

- AG1010 • Cutting Oil • 4-Ounce Bottle**



Oil filler with each glass cutter.



AG1010 Cutting Oil

## Straight Jaw and Drop Jaw Glass Breaking Pliers

Years ago, I thought the art of cutting glass would be completely gone from the auto glass shop by the year 2000. Not only is it not gone, but today it is where a shop owner can make his best profit. For those of you who are cutting glass or getting ready to start, Equalizer offers both of the most popular glass pliers used in the auto glass industry. Our Straight Jaw Glass Pliers measure 8" long and have a flared jaw that goes from 1/2" at the swivel to 1" at the tip. They are cast from steel and then machined to a smooth finish in all the critical areas. Our Drop Jaw Glass Pliers are more massive, measuring 9" long, and they have a nose that flares from 1/2" at the swivel to 1" at the nose. Made in Taiwan to our specifications.

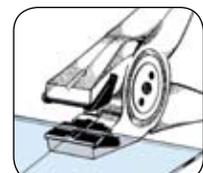
- AC1006 • Straight Jaw**
- AD1007 • Drop Jaw**



## Fletcher Glass Breaking & Glass Running Pliers

There is no need to buy two sets of glass pliers. Just buy a set of Fletcher Pliers. A unique design lets you switch the jaws from glass breaking to glass running. The pliers are made of a super-tough reinforced plastic material and will give you years of carefree service. To switch the jaws, place a small screwdriver under the lower rear of the side lock tab and pry up.

- FT06112 • 8 Inches Long**



Cut running pliers



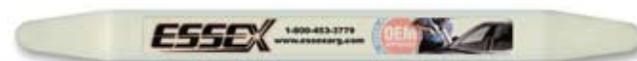
Breaking pliers



# Installation Sticks



**IS742 Installation Stick With Equalizer® Logo**



## Custom Installation Sticks

### *Promote your business with your own installation sticks!*

You may never give away a business card again. With our custom printed installation sticks, you can have your name, logo, telephone, fax, email, and even your picture printed on installation sticks to give to your customers. Not just printed, but printed in glorious full color.

The installation stick has been one of the best forms of advertising for over 30 years. No one ever throws one of these things away, even if it gets worn out. In the past, installation sticks were given away as promotional items by most glass and urethane suppliers. As rubber gaskets started disappearing, companies stopped giving them away. Technicians never stopped using them, they found dozens of other uses for them and continue to use them daily. What better way to keep your name in front of your customers than to have it on an item that is in the technician's toolbox at all times.

Perhaps you are a shop that wants to build your corporate name. What better way to impress your customers than to show up with sticks imprinted with your name, or even your picture. Body shops and dealers use these sticks and do not have a source for them. A few well-placed sticks will remind them who to call when they need a piece of glass.



**Use a Installation Stick as your business card and it will never be thrown in the trash!**

**IS742 • Installation Stick With Equalizer® Logo  
JD1221 • Custom Printed Label One Side • Package of 1000**



## Installation Stick Handle

This tool falls under the category of "Why didn't I think of that!" A tool handle that is hollowed out in such a way that it will allow an installation stick to be slipped inside and fastened with a set screw. When one end of the stick wears out, just switch ends. When the whole stick is worn out, just put in a new stick.

**ISH691 • Handle Only, Stick Not Included  
IWH692 • Handle With Stick**



Invented By  
**Marcus Heflin**  
See page 4.



## Equalizer® Double Bend Rubber Hook Tool

An essential tool for any technician today, the hook tool has been around the industry for sixty years. Made for pulling the rubber gasket over the pinchweld on rubber set jobs. Equalizer's Hook Tool is made of hardened steel and has a distinctive bent-then-curved end that will help reach over the pinchweld and grab the lip of the rubber easily. Made in the USA.

**RT753**



## Long Equalizer® Double Bend Rubber Hook Tool

This is an extended version of the RT753 hook tool. The RTL895 has a 7-1/2" shank, is made of hardened steel and has the same distinctive bent-then-curved end

that will help reach over the pinchweld and grab the lip of the rubber easily. Made in the USA.

**RTL895**

## Equalizer® Narrow Nose Hook Tool

Many technicians have asked us for a hook tool with a narrow hook portion. We have developed that tool for you. It measures only 1/8" thick at the bend and tapers down to 1/16" thick at the tip. Great for reaching past the pinchweld and grabbing the rubber gasket after the glass is almost installed. It is made of hardened steel and chrome-plated.

**MT1295**



## Straight Rubber Hook Tool

This hook tool has a longer hook part without the bent-and-curved feature of a standard hook tool. It has a 1-1/2" hook to reach over any pinchweld and grab the rubber gasket. It is bent only once so it will work equally well in any direction.

**AHT817**

## Long Rubber Hook Tool

This hook tool measures a long 7" from the curve to the point where it goes into the tool. Technicians are always asking us for longer versions of our hook tools and this should be long enough to fill any need. The hook is 1-1/2" long from curve to tip and is bent in only once so it will work equally well in either direction.

**AHL818**

## Equalizer® Rope Insert Tool

We all use small ropes to "rope in" rubber gaskets. This handy tool is designed to ease the rope under the lip and seat it in the groove of the gasket. How many times have you rammed a piece of glass in your finger while putting the rope in a rubber gasket or had the rope fall out because it wasn't inserted properly? You will no longer have these problems with the Rope Insert Tool. Comes with a sturdy rope that will reach around the largest rubber gasket. Made in the USA.

**RT752**





# Locking Strip Tools



### Locking Strip Tool

The unique design of this tool allows the tip to swivel 90° in either direction to work where others will not. Four different type eyelets will fit most rubber locking strips on the market. Select the tip that most closely fits the locking strip. Insert it into the rubber gasket and thread the locking strip into the eyelet of the tool. Now, work the Locking Strip Tool around the windshield while feeding the locking strip into the eyelet. Made in the USA.

**LS758**



### Locking Strip Tool *With a curved shaft*

This is the same tool as the LS758 (shown above), but with a curved shaft to keep your hand away from the glass. Like the LS758, you can swivel the tip 90° in either direction. Four different type eyelets will fit most rubber locking strips on the market.

**RU1391**

### Locking Strip Tool

There are many different sizes of locking strips and, for this reason, most technicians have several different size locking strip tools in their toolboxes. The nice thing about our Locking Strip Tool is that it has 6 different size tips that can be changed in seconds by loosening the hex screw. The tips range in size from 3/8" all the way up to 3/4". The 3/4" tip has a 90° angle to give the proper angle on wide, flat-type locking strips. Our Locking Strip Tool even has a roller that can be put in place and used with the different size tips. The roller rolls the locking strip firmly down into place so it will not come out.



**PA1348**

### GM Locking Strip Tools

These lacing tools were introduced in the 1970's to put the locking strip back into the Chevrolet and GM trucks. When the Chevrolet and GM rubber gasket was replaced in the late 1980's, we thought the market would be gone in a few years. We did not realize how many other vehicles used this type of locking strip. For instance, Ford trucks, Mac trucks, BMW, and recreational vehicles. It is made of chrome-plated, hardened steel. The narrow jaws open the rubber gasket and a small piece of metal rolled under the center part forces the locking strip in place.



**LGM207**





## Locking Tool For Self-Locking Rubber Gaskets

Self-locking rubber gaskets are used extensively on heavy construction equipment. It can be difficult to fold the self-locking rubber into the locking part. Our Locking Tool solves this problem by working in two ways. First, it rolls the locking part over. Second, the rounded tip on the tool forces the locking part into the receiver side of the rubber gasket.

**PT697**



## Locking Tool For Self-Locking Rubber Gaskets

### *With curved steel shaft*

Many people use a screwdriver or installation stick to push the self-locking part of a rubber gasket into the locking channel. The problem is most screwdrivers have sharp edges and with a installation stick it is difficult to get the pressure you need. The curved polished steel tip of this tool will slide the locking rubber in easily and the ergonomic handle will give you plenty of leverage.

**MQ1292**



## Locking Tool For Self-Locking Rubber Gaskets

### *With a round steel ball on the end*

This is the same tool as the MQ1292 (shown above), but instead of the tip coming to a rounded point, it has a small round steel ball on the end. Once the steel ball is inserted down into the rubber gasket, it is very difficult for it to come out. If it should slip out of the gasket, there is less of a chance you will scratch the paint of the vehicle you are working on.

**MR1293**



## Equalizer® Rubber Gasket Cleaner

Rubber gaskets are still being used on many vehicles, especially heavy construction equipment. Cleaning these gaskets has always been a problem, but Equalizer has solved this problem with the Rubber Gasket Cleaner. To use the gasket cleaner, place the blade in the gasket and pull it toward you. The blade is sharpened on the end and on both sides so it will clean glass and old sealant out of the gasket with one easy pulling motion. The unique design of the RGC751 keeps your hands clear of the glass.

**RGC751**



### WHAT DOES THIS MEAN?

Occasionally throughout the catalog you will see this symbol next to a product. This means that the product you are looking at is available for you to purchase right now at your local Equalizer® Store. Yes, you can get it right now! See page 3 for details.



GET THIS NOW  
AT YOUR LOCAL  
**Equalizer**  
STORE

SEE PAGES 2 & 3



# Rubber Gasket Tool & Bottom Channels



## A Unique Solution To A Frustrating Problem



### Footloose™

#### Rubber Gasket Release Tool

Here is a great solution to a frustrating problem. Many vehicles have large, rubber-set windshields. The common method to remove these windshields is to put your feet against the glass and push while releasing the rubber gasket with a hook tool. The problem with this is the distance can be so great that you cannot push out and use a hook tool to release the gasket at the same time. With Footloose™, you can push out on the glass with one hand while you release the rubber gasket with the other hand. To use Footloose™, hook the tip over the pinch weld, push gently outward, and release the rubber gasket. Rubber-set back glasses can be even more annoying than windshields because there is no easy way to get the leverage to push them out. Footloose™ puts the necessary pressure on the back glass so you can release the gasket.

**BDA251**

### Universal Bottom Channel

When working on older vehicles and industrial equipment, it is often necessary to make a new bottom channel because rust will have caused the original channel to be unusable. Even in new vehicles, the bottom channel breaks and replacements are almost impossible to find. With our Universal Bottom Channel, you can make a new channel just by brazing or welding the regulator attachment to our universal attachment.

**LS1269 • 4' Length**



### Bottom Channel For Chevrolet & GMC Trucks

Bottom channels for Chevrolet and GMC trucks are not available as a separate item. You must purchase the complete glass. Apparently, some of our customers thought this was as silly as we did, and they developed a bottom channel for these glasses. Now, you can buy these replacement channels from Equalizer. Never again will you have to explain to a customer that they need to purchase an entire new door glass to fix the rusted channel. Unlike the original, which was made of regular metal, our channel is made of stainless steel... guaranteed never to rust! Each is long enough to fix one door glass. Channel fits DD8305-06; DD7477-78; DD7288-89 (most GM full-size cabs 1987 to 2000).

**SLC273**

# Channel Cleaning & Accessories



## Ford F-150 2004 (and up) Pickup Clip Remover

*Also works on Nissan Maxima and many others*

The trend in recent years is to create a clip that can be pushed down to different levels and lock in place. This corrects any uneven fit between the moulding and the glass. It works great when you are installing the moulding and it needs to be a little higher or a little lower, but it becomes a problem when you must remove the clip.

Each time you release one holding tab it catches on the next one and must be released from it. There can be as many as 5 of these holding tabs. Our Clip Remover is very thin on the front and edge to allow it to slip between the tabs on the clip and the receiver clip. Pry up slightly, and all the locking tabs are held apart while the moulding is lifted out. Made of high-quality hardened steel.

**FTF399**

**LATE ARRIVAL** • Developed a little late to get onto the clip removal page, but too important to leave out of the catalog.



Invented By  
Mike Kendall  
See page 4.



F-150 Ford Clip

## Universal Bottom Channel Attachments

Original parts are difficult, and sometimes impossible to purchase when you are repairing a door glass. These are the times technicians must get a little inventive to repair the glass.

For this reason, shop owners keep a few sets of these Universal Channels Attachments in their shop or toolbox. These attachments have a small nylon screw that will temporarily hold them in position while the adhesive cures and permanently attaches them to the glass. We suggest attaching them with a quick-setting urethane or epoxy. Our Fast Cure Epoxy (shown below) was designed for this purpose.

**MD1280 • Set of 2**



## Channel Cleaner

Today this tool is not as important as it was a few years ago, but it is still

one of those tools you should have. You put it into the end of a channel, drive it down and it push the glass out of the channel. Even channels that are put in with urethane can be cleaned by driving this tool through the channel. It is made of steel and comes with a high-impact plastic handle that can withstand pounding with a hammer to drive the material out of the channel.

**BCC278**



## Sealstrip

Sealstrip is used to attach a bottom channel to a glass or to form a bond between a metal frame and a glass. It is made of a black, all-rubber compound. Sealstrip has inherent adhesive qualities and conforms to all irregularities, making a perfect seal. By using a razor blade to trim the edges, a neat bonding seal can be seen between the glass and the channel or frame. Since it has adhesive qualities it can be attached to itself. If you need a thicker piece just layer two or more pieces together.

**75644 • 1/32" Thick, 1-1/2" Wide • 100' Roll**



## Fast Cure Epoxy

*In self-contained mixer cups*

Loctite® has a reputation for making quality and innovative products and these epoxy mixer cups are no exception. Each neatly packaged container has 10 mixer cups and stirring sticks to mix the epoxy. Each mixer cup is a self-contained portion with one part of the epoxy around the outside and another part in the center. The cups are sealed to keep the two parts separated. When you need the epoxy, remove the top seal from the cup, and push the cup downward to form a mixing bowl. Mix the two parts together and they will start curing in about 5 minutes.

**21426 • Can Containing 10 Mixer Cups**



# Pattern Making



## Pattern Making Pencil

When a glass is missing in a piece of heavy equipment, you must make a pattern. Most rubber gaskets have a 5/16" space between the rubber and the pinchweld. When you draw a pattern, you must then cut the glass 5/16" smaller so that it will fit in the rubber gasket. Our Pattern Making Pencil has an aluminum ring that spaces the pencil exactly 5/16" inside the pinchweld and makes a perfect pattern. No more guessing or redrawing the pattern to fit. It is made of aluminum with a collet holder that keeps the pencil in place. Clips in your shirt pocket.

**LG1257**



Invented By  
**Claire Obert**  
See page 4.



## Radius Patterns

By using these Radius Patterns you can save time and eliminate making cardboard patterns. Use the Radius Patterns to determine the radius, then measure the size of the opening. Then call the size and radius information in, and it will be ready for the technician to pick up later. Radius Patterns have 9 circles starting at 1" and increasing in 1/4" increments up to 3". We have found that this will cover the radius size of 99% of the glass in heavy construction equipment. To use, hold the Radius Patterns against the corner until you find

the correct size. Check all four corners to be sure the radius is the same. A quick measurement of the opening and you have a pattern. Example: with the rubber gasket removed the opening is 20" by 20" and has a 3" radius. Most rubber gaskets have a 5/16" inset from the pinchweld so you should cut the glass 5/16" smaller all the way around with a 3" radius on the corners. When the glass is cut it measures 19-3/8" by 19-3/8" and has a 3" radius. If the gasket is in place, measure to the bottom of the rubber channel and cut the glass to that size.

**LY1275 • Set of 9 Patterns**

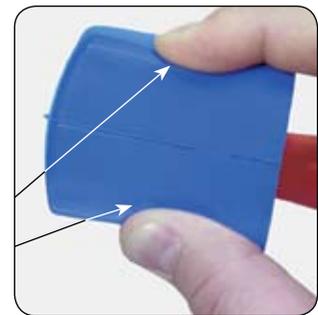
Invented By  
**Russ Rutledge**  
See page 4.



## Soft Rubber Hammer

Sometimes a little "gentle persuasion" with a hammer is the only way you can make an item fit. Most rubber hammers are actually quite hard and can easily damage a vehicle. Our hammer is made of Sorbothane®, a viscoelastic polymer, that is less likely to damage the vehicle. It is so soft you can take the rubber part between your thumb and forefinger and compress it. Made in the USA.

**SRH707**



**So soft you can squeeze it with your fingers. Try this with a regular rubber hammer.**



## Fractional Measuring Tape, 25' Long With 1" Wide Blade

Finally somebody made a measuring tape that is easy to read! How many times have you counted the little marks to see if it was 1/4", 3/8" or something else? The fractional measuring tape has every 1/8" marked so if it is between 3/8" and 1/2" it is 7/16". It has the locking hold function, is made with a polymer-coated blade for long life, and has a durable, textured case for non-slip grip.

**CH1064**



## Apprentice Technician Tool Kit

People who start as an Apprentice Technician need several basic tools that are not available from normal sources. Our Apprentice Technician Tool Kit consists of the very basic specialty tools you will need, along with a socket set and screwdriver set that have been specially developed for the Auto Glass Technician. We realize there are other items you might like to add to this tool kit. For this reason, you can pick any item to add at the time of purchase and deduct 10% from the cost. However, no substitutions of the tools included in this kit are allowed.

### ATK658 • Apprentice Technician Tool Kit



- |   |   |  |
|---|---|--|
| 1 • ABT377 Two Drawer Toolbox           | 1 • IS742 Installation Stick            | 1 • RT752 Rope Insert Tool               |
| 1 • BT590 Door Panel Clip Removal Tool  | 1 • LS758 Windshield Locking Strip Tool | 1 • RT753 Rubber Hook Tool               |
| 1 • CK304 Cold Knife with cover         | 1 • MR747 Moulding Release Tool         | 1 • SB531 Equalizer® Prep Blade w/handle |
| 1 • CT749 Door Handle Clip Removal Tool | 1 • PTK324 Combo Socket Set             | 1 • SC170 Wide Pinch Weld Prep Tool      |
| 1 • DWP171 Deluxe Wiper Puller          | 1 • QS358 18" Long Knife                | 1 • USK663 Swivel Utility Knife          |
| 1 • ESS766 29-Piece Screwdriver Set     | 1 • RGC751 Rubber Gasket Cleaner        |  |

## Master Technician Tool Kit

Now that you are a Master Technician, you are working on your own without any assistance. You need to have a set of tools that will allow you to do the complete job without borrowing tools from others. At this point in your career, you should invest in, at least, a Master Technician Tool Kit. Because we may not have chosen everything you need in your specific area, you can pick any item in our catalog to include with this kit at the time of purchase and deduct 10% from its cost. However, no substitutions of the tools included in this kit are allowed.

### MTK659 • Master Technician Tool Kit



- |  |  |  |
|--|--|--|
| 1 • 29015 Inch Ignition Wrenches (10 pcs.)   | 1 • GM602 Mirror Bracket Wrench              | 1 • RB497 Razor Blades (box of 100)          |
| 1 • 29019 Metric Ignition Wrenches (10 pcs.) | 1 • HGS353 Equalizer® Heatwave™ Heat Gun     | 1 • RFM683 Christmas Tree Moulding Remover   |
| 1 • 98027 Metric Folding Hex Wrenches        | 1 • I3038 Pliers                             | 1 • RGC751 Rubber Gasket Cleaner             |
| 1 • 98057 Torx® Folding Wrenches             | 1 • I4301 Channel Locks                      | 1 • RMI309 Rearview Mirror Installer         |
| 1 • 98091 Inch Folding Hex Wrenches          | 1 • IS742 Installation Stick                 | 1 • RT752 Rope Insert Tool                   |
| 1 • AST378 Three Drawer Toolbox              | 1 • LB779 The Pumper™                        | 1 • RT753 Rubber Hook Tool                   |
| 1 • BFC81 Blades for cutter (package of 5)   | 1 • LS758 Windshield Locking Strip Tool      | 1 • SB531 Equalizer® Prep Blade w/handle     |
| 1 • BT590 Door Panel Clip Removal Tool       | 1 • LSG734 Safety Gloves                     | 1 • SC170 Wide Pinch Weld Prep Tool          |
| 1 • CK304 Cold Knife with cover              | 1 • MB743 Mirror Hex Wrench                  | 1 • SC300 Super Scraper™                     |
| 1 • CT749 Door handle Clip Removal Tool      | 1 • MB744 Mirror Bracket Wrench              | 1 • SC301 Super Scraper™ blades              |
| 1 • CTM310 Christmas Tree Moulding Roller    | 1 • MBR600 Mirror Torx® Wrench with Phillips | 1 • TCR370 Toyota/Honda Clip Remover         |
| 1 • DWP171 Deluxe Wiper Puller               | 1 • MR747 Moulding Release Tool              | 1 • TWK502 Tightwire™ Startup Kit            |
| 1 • EA665 Equalizer® Apron                   | 1 • NCT308 Nozzle Cutter                     | 1 • UKB498 Utility Knife Blades (pkg of 100) |
| 1 • EPS761 12" Phillips Screwdriver          | 1 • NS1340 Inch Combo Wrenches (10 pcs.)     | 1 • USK663 Swivel Utility Knife              |
| 1 • FSG130 Kool Safety Glasses               | 1 • NT1341 Metric Combo Wrenches (14 pcs.)   | 1 • VNT306 Top Notch™ Tool                   |
| 1 • ESM911 Vacuum Cups (pair)                | 1 • NWB365 Pinch Weld Cleaner                | 1 • VTP586 Paint Protector                   |
| 1 • ESS766 29-Piece Screwdriver Set          | 1 • PHT318 Moulding Hold Hown Tool           |  |
| 1 • FL203 Flexlight                          | 1 • PTK324 Combo Socket Set                  |  |
| 1 • FMR482 Ford Rearview Mirror Tool         | 1 • QS358 18" Long Knife                     |  |



# Safety Gloves



### Kevlar® Gloves

Whether removing shattered windshields or just picking up a piece of glass, you need a pair of gloves that will hold the glass firmly. When a glass slips, that is when it cuts through gloves. These seamless knit gloves have a natural rubber coating for excellent wet or dry grip and are made of 7-gauge 100% Kevlar®. It is one of the most cut resistant materials ever developed. Available in large and extra large sizes. Made in the USA.

**IZ1217 • Large • Price Each**

**JA1218 • Extra Large**



Kevlar® Lined



### Kevlar® Lined Anti-Vibration Gloves

**Everything you need in a traditional style glove.**

Have you ever had to remove a glass that was badly broken? Sure you have, lots of times. Sometimes it is necessary to use a power tool to remove those badly broken glasses, not because they are badly broken, but because of the wide urethane. Rub your hands along that

glass and you are sure to get cut. These gloves will prevent those cuts. They combine the best of all worlds: Kevlar® lined, anti-vibration and Sorbothane® padding in the palm, thumb and all fingers. They are made of full-grain cowhide.

**RC1373 • Medium**

**RD1374 • Large**

**RE1375 • Extra Large**



### Leather Full-Finger Anti-Vibration Gloves

**Nylon mesh back gives you the flexibility to grip tools easily.**

These are the highest-quality anti-vibration gloves. They have Sorbothane® padding in the palm and Gel-Foam in the thumb, thumb-joint, and all fingers. They have a nylon mesh back and an elastic cuff both with a hook-and-loop closure tab.

**RF1376 • Medium**

**RG1377 • Large**

**RH1378 • Extra Large**



### Full-Finger Mechanic's Gloves

**Machine wash and dry**

If someone had told me a few years ago that I would one day consider wearing gloves to do auto glass work, I would probably have laughed at them. Probably? I definitely would have. I have many scars on my hands that prove I never wore gloves, and also proves I am not the brightest person in the world. Some of the work an Auto Glass Technician does is delicate and could not possibly be

done while wearing gloves, but a lot of the work is not as delicate and leaves you prone to cuts, abrasions, and damage to your hands. Our Full-Finger Mechanic's Gloves have a stretch-knit padded back, synthetic leather palm, and elastic cuff with hook-and-loop closure.

**RI1379 • Medium**

**RJ1380 • Large**

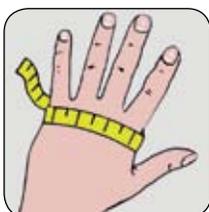
**RK1381 • Extra Large**



### Safety Gloves

These comfortable, protective gloves are crafted from cotton and leather. A unique leather strip is sewn across the top of the gloves to protect the knuckle area from injury.

**LSG734**



### What Size Gloves Do You Wear?

That depends on what type of gloves you are wearing. You want nitrile gloves to fit skin-tight, but you want the gloves on this page to fit perfectly, not too tight or too loose. To get the correct fit for the gloves on this page measure around the palm of your hand.

**Medium 8" to 9" • Large Gloves 9" to 10" • Extra Large Gloves 10" to 11"**



## AC/DC Vacuum Cleaner Runs on an 18-Volt battery or 120-Volt outlet

Until now the mobile glass technician had few choices when it came to using a vacuum cleaner on the job. The technician could find a 120-Volt outlet (usually difficult if not impossible) or he could use an inverter (if he had one). Now there is another choice! If you are one of the thousands of people who have an 18-Volt Equalizer® Express®, Equalizer® Freedom, or any cordless 18-Volt DeWalt tool, then you already have a battery and charger for this vacuum. When you cannot find an electric outlet, just drop in a battery and you are ready for any cleanup job. We have been testing this vacuum for several months and, in our opinion, with a fresh battery it is impossible to tell if it is running on the battery or the 120-Volt electricity.



Battery plugs in here



Runs on 120-Volt electricity  
or on an 18-Volt battery



**The battery and charger are not included!**

The five-foot hose is flexible, and the cleaning tools fit on board the vacuum so they will not be misplaced. It is a wet-dry vacuum and, unlike other wet-dry vacuums, you don't have to change out the filter when switching from wet to dry. After wet vacuuming, just empty the tank through the drain port. It's light as a feather, super-portable, and plenty powerful. We like a lot of things about this vacuum cleaner, but one thing that really surprised us is that the filter is washable. Just turn the water hose on it and wash it completely clean, put it in, and you are ready to keep on vacuuming.

**TS1440**

## Equalizer® 1 x 1 Vacuum Cleaner

**Portable compact wet/dry cleaning power with built-in carrying handle.**

Space is limited in our mobile vehicles, and while a vacuum cleaner is a necessity, we do not need one that is large and bulky. Our Vacuum Cleaner is small and lightweight, yet powerful. We call it a 1 x 1 because it is a one-horsepower, one-gallon vacuum cleaner. It includes a wall-mountable bracket and a tool holder that will hold the vacuum and all tools securely in place. No more bouncing around in the back of your mobile vehicle, breaking glass, or falling out onto the driveway. It comes with a 4' flexible hose, round nozzle, crevice tool, foam sleeve, reusable dry filter, and an 18' long power cord. Made in the USA.

**BVS925**

Package of three filters for BVS925 with a new snap ring.

**BFF928 • Package of Three With Snap Ring**



## Equalizer® 3-Horsepower, 6-Gallon Vacuum

**Wet or dry vacuum cleaner**

You can buy a six-gallon vacuum cleaner in most stores, but most of them are only one or two horsepower. If you replace a lot of tempered door glasses or back glasses, you need a vacuum with more power. Our 6-Gallon Vacuum Cleaner is large and powerful with a 3-horsepower, 8 amp (960 watts) motor, but still small enough that it will not take up a lot of space in your mobile vehicle. Made with a low profile so it will not turn over easily, it measures only 16" x 16" x 17" tall. It converts easily to a blower and comes with an 8' x 1-1/4" hose, two 1-1/4" extension wands, a 10" squeegee, and a crevice tool. Also included is a filter that can be easily removed and cleaned. Made in the USA.

**BES924**

**BCF929 • Filter For BES924 Vacuum**





# Protection & Storage Solutions



## Arm Protector Gloves

We would all like to put in windshields and never install a door glass, but unfortunately door glass installation is a part of our business. When you work inside doors you will always have cuts on your arms. The cutouts that allow you to access the inside of the door can sometimes be razor-sharp. Our Arm Protector Gloves will protect you from getting cut by these pieces of metal. Made of durable Kevlar® with a double wall of protection. Do you work on motors or exhaust systems? They will also protect you from burns when working around hot engines and exhaust systems.

**LU1271**



## Paint Protector

The top of an automobile is a convenient place to put your tools. Many technicians put the vehicle's cowlings, screws, and other parts on top of the vehicle when they are replacing the windshield. The problem with lying all these items on a vehicle is the possibility you

will scratch the paint. Paint today can be seven layers thick and almost impossible to touch-up. Do not wait until you scratch a vehicle. Protect that paint with an Equalizer® Paint Protector that will give you years of carefree use. Made of a thick, soft, soil-proof vinyl. It comes in black to match the color of urethane. Remember what mom, dad, or somebody told you: "An ounce of prevention is worth a pound of cure." Order your ounce of prevention today!

**VTP586**



**Tools are not included.**



**Pockets hold 1/4" and 3/8" sockets**

## Tool Roll

This Tool Roll has twenty-two tool slots: smaller slots for screwdrivers and small tools, medium slots for medium sized tools, and larger slots that will accommodate cold knives, clip tools, and panel removal tools. What I like most about this Tool Roll is that it will hold your sockets (both 1/4" and 3/8"). The sockets are held in three small pouches sewn into one end of the roll. Each pouch is held tightly closed with a Velcro® tab. Made of heavy canvas with a locking strap to hold the Tool Roll together when it is rolled up. A sewn-in handle makes it easy to carry. Tools are not included.

**ROL220**



## Heavy-Duty Three-Drawer Tool Box

The external shell of this toolbox is made of heavy-duty, high-impact polypropylene resin with molded-in color. It has a large storage area on top and three durable steel drawers with full-extension slides that lock when the lid is closed. One great feature that is not available on most other toolboxes is the "front foot" design that stabilizes the box when the drawers are opened. It has a large, comfortable, center handle, and handy depressions are molded into the cover to hold small parts. Both hinges are lockable for total security. It measures 23" wide, 13-1/2" deep and 10-1/2" tall.

**HP2331**



## Zap-A-Gap™

### *Super fast-setting plastic glue*

These days there seem to be more plastic parts on a vehicle than there are metal parts. It is inevitable that when removing parts to replace a glass, you will break some of these pieces of plastic. Often the broken part will need to be replaced, but you can make a temporary repair by gluing it back together. Simply put a small drop of Zap-A-Gap™ on the plastic parts and press them back together. In a few seconds, the glue is dry and the pieces are bonded. Bottle contains 0.5 fluid ounces. Made in the USA.  
**AA1003 • Zap-A-Gap™, 0.5 Fl Oz**

## Zip Kicker™

### *Accelerates glue drying to fill holes*

Sometimes just gluing the part is not enough. You need to build up an excess amount of glue on the surface to give the bond more strength. While Zap-A-Gap™ dries quickly in small amounts, it takes a long time for large amounts to dry. This is when you need Zip Kicker™, an accelerating, sprayable liquid that causes the glue to dry immediately. It is also useful when small amounts of the plastic have disappeared. The Zap-A-Gap™ can be used to fill the opening and then dried immediately with Zip Kicker™ to form an instant patch. Bottle contains 2 fluid ounces. Made in the USA.  
**AB1005 • Zip Kicker™ Spray Hardener, 2 Fl Oz**



## Z-Poxy™

### *Quick setting epoxy sets up in 5 minutes.*

I have been building and flying model airplanes since I was 12 years old. Before you start thinking "toy airplane" let me explain. Some of my airplanes will fly 180 miles per hour. You can lay them up at a 90° angle and turn a 360° circle within a 20' radius doing 180 miles per hour. I never calculated the G-force, but I am certain if you performed the same maneuver in a real airplane you would not be conscious if you exited the circle. What holds those airplanes together? Zap-A-Gap™ and Z-Poxy™. Z-Poxy™ is specially formulated to bond plastic, metals, wood, fiberglass, etc. It produces a tough permanent bond in just 5 minutes. It is resistant to shock and solvents, is non-shrinking, and has excellent gap-filling characteristics. Perfect when you need to glue something together, but need a glue that is thicker and does not set-up immediately. Each bottle contains 2 fluid ounces. Made in the USA.  
**AH1011 • Box Containing Hardener and Resin**



## Mixing Cups

We added Z-Poxy™ to our line of products a few years ago when we discovered that technicians were looking for a good, quick-setting adhesive. Many of our customers suggested that we also sell some inexpensive, disposable mixing cups and mixing sticks. In response to those suggestions, we've added cups etched with marks for ounces, drams, tsp (teaspoons) and ML (milliliters), so no matter where you are in the world you can get a 50/50 mixture of the Z-Poxy™.

### **MCS722 • 50 Mixing Cups**

### **MBK973 • 50 Mixing Cups and 50 Mixing Sticks**



## Z-Poxy™ Mixing Sticks

Our Mixing Sticks are made of wood and are the same type that come in Popsicles® so when you have a Popsicle® save the stick and use it to stir the Z-Poxy™. Of course, you might spend so much time worrying about saving the stick that you would not properly enjoy the Popsicle®, so you should just buy yourself 50 of them (they are really inexpensive) and enjoy your Popsicle® with no worries.

### **MSE723 • 50 Mixing Sticks**

### **MBK973 • 50 Mixing Cups and 50 Mixing Sticks**





# Adhesives



## Fast-Cure Epoxy *In self-contained mixer cups*

Loctite® has a reputation for making quality and innovative products and these epoxy mixer cups are no exception. Packaged neatly in a can that contains 10 mixer cups along with stirring sticks to mix the epoxy. Each mixer cup is a self-contained portion with one part of the epoxy around the outside and another part in the center. The cups are sealed to keep the two parts separated. When you need the epoxy, remove the top seal from the cup and push the cup downward to form a mixing bowl. Stir the two parts together and they will start curing in about 5 minutes.

**21426 • Can Containing 10 Mixer Cups**



## J-B® Weld

Sometimes you cannot find a part for something you are working on. When this happens it is necessary to repair the part. This is why we sell a range of adhesives. If you are not familiar with J-B® Weld then here are some important things you should know. J-B® Weld comes in two tubes; one contains liquid steel/epoxy resin, and the other contains hardener. When mixed together in equal portions, a chemical reaction occurs that turns the mixture into a compound as hard and tough as steel, and with similar properties.



Like metal, J-B® Weld can be formed, drilled, ground, tapped, machined, filled, sanded, and painted. It stays pliable for about 30 minutes after mixing, sets in 4-6 hours, and cures fully in 15-24 hours. Because of its slow cure time it is not a quick fix compound, but once fully cured it has the highest bonding adhesion (tensile strength 3960 lbs.) of any adhesive on the market. It is water-proof, petroleum, chemical, and acid-resistant; resists shock, vibration, and extreme temperature fluctuations (up to 500°F). It is super strong, non-toxic, and safe to use. Before it sets, you can clean it up with soap and water.



Bonds virtually any combination of iron, steel, aluminum, brass, bronze, pewter, glass, plastic, fiberglass, wood, fabric, paper, or just about any porous and non-porous material.

**8280 • Two 5 Ounce Tubes**

## J-B® KWIK Weld

This is a quick-setting version of J-B® Weld. It has all the properties of standard J-B® Weld, but because of the quick curing time, you do sacrifice a little tensile strength. The tensile strength of J-B® KWIK is 2100 lbs., compared with 3960 lbs. for the original version. However, that is still higher than any comparable adhesive on the market today. J-B® KWIK Weld sets up in 4 minutes and is completely cured in 4 hours.

**8276 • Two 1 Ounce Tubes**



3325 Kit includes these two items in this box.



## Loctite® Rearview Mirror Adhesive

This has been an industry standard for 35 years. No other adhesive will bond a rearview mirror bracket to a glass quicker or more securely. To use Loctite®, you clean the glass thoroughly and then spray a generous amount of Minute Bond Primer on a clean mirror bracket. Spray the glass where the bracket will be installed, let the primer dry and apply two drops of Loctite® Minute Bond Adhesive to the bracket. Position the bracket carefully on the glass and you are ready to install the rearview mirror. Be careful to place the mirror button exactly where you want it because removal can be almost impossible. Most technicians mark a place on the outside of the glass when they are reinstalling a rearview mirror bracket. This way they know exactly where it goes. Kit contains .80 fluid ounces of Minute Bond Adhesive and 6 ounces of Minute Bond Primer.

**3325**



**WARNING!** Wear safety glasses and nitrile gloves when using these products.



## Loctite® Rearview Mirror Adhesive Economy Package

Contains .2 fluid ounces of Minute Bond Adhesive and 1.33 fluid ounces of Minute Bond Primer.

**3346 • Kit Contains Minute Bond and Minute Bond Primer**



## Tech-Wipes™

### Formulated for the Auto Glass Technician

Auto glass replacement is not a clean business. Because of urethane, butyl, pumpable foam dams, grease, and grime on vehicles and inside doors, we spend a lot of time cleaning the vehicles we work on. We also spend a lot of time cleaning ourselves. There are several cleaning products sold in the auto glass industry, but most are formulated for a mechanic who must only remove grease. Equalizer went to one of the world's most knowledgeable producers of cleaning supplies and took them samples of all the things an Auto Glass Technician must clean from vehicles, tools, and himself. We worked with them to formulate a towel that contained cleaning agents to remove the urethanes, butyls, greases, and grime that we come into contact with daily. We also need something to remove wet urethane from fabric and vinyl seats and carpets. Tech-Wipes™ will remove urethane and other soils from all these things. Tech-Wipes™ cleaning towels are formulated for the Auto Glass Technician to use to clean anything, but are still gentle on your hands.

Tech-Wipes™ are rugged, non-marring towels. They are packaged in a flip-top container that keeps the towels moist for months. Each container comes with 72 towels that are 10" x 12" and joined together, but perforated so you can tear them off to make a small towel or as large a towel as you need. We gave them a mild citrus scent that is not as strong as many other citrus-based products. We did this so you could clean your hands with them and then eat lunch without the smell causing everything to taste like a grapefruit. Made in the USA.

**PB1349**



## Tech-Clean™

### Formulated for the Auto Glass Technician

While we were working with our supplier to create our Tech-Wipes™, we asked them to help us make a good hand cleaner formulated to remove ground-in grime from a technician's hands. What we developed was a hand cleaner that will remove urethane, butyl, grease, grime, and the toughest stains, but is not so hard on your hands that it will cause them to dry out and crack. It is very important to our industry that our cleaner not contain ammonia or petroleum distillates, and none of these are found in Tech-Clean™. It is formulated around a mild soap base, yet has effective cleaning and deodorizing agents. Fine pumice is used to help remove ground-in dirt. Lanolin is added to soften and condition the hands. We recommend using Tech-Clean™ with water. There is no detectable odor after you have cleaned your hands. Made in the USA.

**SHC441 • 16 Ounce Bottle**



## Scrubs® In-A-Bucket

### The mobile, one-step cleaning solution.

Scrubs® In-A-Bucket are pre-moistened, heavy-duty towels with pumice scrubbing power. Their powerful yet safe cleaning agents work together with an absorbent, non-scratch abrasive hand cleaning towel. They work to loosen, dissolve, and absorb grease, dirt, and urethane. The result is hands that are clean and have a pleasant citrus fragrance. After you have used a towel to clean your hands, you can use Scrubs® to degrease tools, toolboxes, equipment, work surfaces, painted surfaces, vinyl, plastics, and metal. Each bucket contains 72 towels that are 10-1/2" x 12-1/4". Made in the USA.

**BR1046**

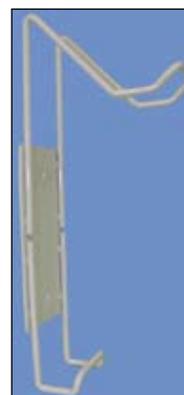


## ScrubRack

### Wall mounting bracket

Here is a solution to an annoying problem: when you pull Scrubs® out of the bucket, the bucket comes with you. Okay, if you have two hands you can hold the bucket, but usually you are trying to clean something you are holding in your other hand. With this bracket you can mount the bucket on the wall, on your toolbox, or in the back of your mobile truck. Anywhere you mount it, the ScrubRack will hold your bucket of Scrubs® tightly in place. If you want to take it with you, just pull out on the bottom of the bucket and it will quickly and easily snap out of the bracket.

**SU1423**



**Scrubs® In-A-Bucket not included.**



# Nitrile Gloves, Latex Gloves & Applicators



**Chemical Resistant Powder-Free Nitrile Gloves**



## **Powder-Free Nitrile Gloves**

### ***Powder-free inside and out***

Are your hands blackened or chapped from the harmful chemicals used by the Auto Glass Technician? Protect yourself by wearing a pair of our Powder-Free Nitrile Gloves. You can see and feel the difference in your hands. Made of 100% nitrile and are 100% latex-free. So thin that they do not interfere with anything you're working with.

**CB1057 • Box of 100 Gloves • Large**

**CC1058 • Box of 100 Gloves • Extra Large**

**For correct size of Nitrile and Thickster™ Latex Gloves, measure circumference of hand at palm area. Large 8-9" • Extra Large 9-10"**



## **Thickster™ Latex Gloves**

Many people like the feel of latex gloves. If you have no allergies to latex and are looking for a high-quality glove that will take the rough treatment of an Auto Glass Technician, then these are the gloves for you. They are twice as thick as most gloves (14 ml), but still give you that ability to feel and handle small parts.

**SG1410 • Box of 50 • Large**

**SH1411 • Box of 50 • Extra Large**



## **Magnetic Glove Dispenser**

Now you can end the problem with boxes of nitrile and latex gloves sliding all over your mobile vehicle or "walking off" when you most need them. Two large magnets conveniently hold the dispenser to your toolbox, any ferrous metal surface, or mount it on a wall using screw slots. The dispenser has three adjusting springs to hold different size boxes. Made of powder-coated steel.

**GHB559**

## **Cotton Tipped Applicators**

### ***Six inches long so you can reach into any bottle***



Contamination is a real problem in this industry. It is amazing how many ways we have identified how we contaminate urethane or primers. How many times have you put a dauber in a bottle, put some primer on a pinchweld, and then put the dauber back in the bottle? Now, the whole bottle is contaminated. Prevent contamination with our Cotton Tipped Applicators. They are small so you will not drip urethane on the upholstery and they are so inexpensive that after you use one just throw it away and get a new one.

**DM1094 • Package of 100**



## **Premium Quality Wool Daubers**

In recent years, Auto Glass Technicians have become more aware of contamination problems. One area of contamination is the pinchweld itself. Each time you put primer on the pinchweld and then dip the dauber back into the primer you have contaminated the whole bottle. Technicians today use a new dauber, dip it in the primer and prime as far as it will go, then discard the dauber and use a new one. For this reason, we offer our Premium Quality Wool Daubers at an economical price. Made of a thick wool tuft that is held tightly in the center with a strong wire.

**JY1225 • Package of 100**

**JZ1226 • Package of 1000**



## OmniSystem™ Paper Towels

We have used OmniSystem™ Paper Towels here at Equalizer for many years. The thing I like most about them is the container. You can mount the dispenser in the shop or in your mobile truck. The towels are pulled out of a friction feed in the bottom of the the towel dispenser. The dispenser is opaque so you can see how much paper is remaining on the roll. Each roll contains 590' of 9" x 11" towels. The towels are 2-ply material.

**NPT1042 • OmniSystem™ Towels**

**NTH1041 • OmniSystem™ Dispenser**



## Kimberly-Clark Dri-Tones®

One of the most-used windshield towels in all of the automotive industry is the Kimberly-Clark Dri-Tones® towel. Each towel measures 9-1/2" x 10-1/2" and is made of 2-ply material. Each package comes wrapped in a paper band. Each package contains 140 towels. Made in the USA.

**DH1090 • 1 Package of 140 Pieces (140 towels)**

**DJ1091 • 10 Packages of 140 Pieces (1,400 towels)**



## Lint-Free Wipes

A few years ago we gave very little thought to contamination of the glass or pinchweld. We have learned a lot since then, and today we go to great lengths to prevent a glass from leaking and to make sure it bonds properly. Lint seems like a small problem, but some towels leave a large amount on the glass. Every place there is lint is a place that the glass does not bond. There can be thousands of pieces of lint in an area only an inch or so in diameter, but you only see the larger pieces. Our Lint-Free Wipes get rid of all the lint and give you a totally clean surface so your urethane will bond completely. Size 13" x 13". Made in the USA.

**DL1093 • Package of 50**



## Equalizer® Apron

This is the easiest way to keep your clothes clean and you looking professional. This apron features tie straps that are long enough to reach around most installers. It has two pockets to hold anything you want to keep within easy reach. The apron is black to match the color of urethane and has a distinctive Equalizer® logo embroidered in red.

**EA665**



## Spray Bottles

The sprayers are made of polypropylene and the bottles are made of high-density polyethylene. The sprayer adjusts to a fine, medium, or hard mist. The small bottle holds 8 ounces and the larger bottle holds 16 ounces.

**SBS732 • 8 Ounce Spray Bottle**

**SBL783 • 16 Ounce Spray Bottle**





# Equalizer® Velocity® Windshield Repair System

**Deluxe Repair System**



## Equalizer® Velocity® Deluxe Repair System

A successful repair system must achieve three important results: The repair must be strong, clear, and performed quickly. Our Equalizer® Velocity® Repair Systems are designed to achieve all three of these important functions. The bridge assembly and stainless steel injector are durable and will last for years. The system is easy for anyone to operate and yet it allows flexibility of operation for seasoned professionals who want to 'tweak' the system to achieve amazing results on difficult repairs. Our resins are extremely fast wicking and produce unparalleled optical clarity and strength. The entire system is designed to live up to its name. The Equalizer® Velocity® Deluxe Repair System achieves results in half the time of other systems. How does it accomplish that? The combination vacuum and pressure pump allows you to quickly alternate between vacuum and pressure cycles while in the comfort of inside the vehicle! This feature, combined with the simple UV shield and handy vertical filling port for windshields on motor homes, buses, and 18-wheelers, all add up to make this system the choice for fast, quality repairs. The finishing touch is a pit resin which is extremely hard, creating a powerful bond to the glass surface. It is easy to scrape off and then polish to perfection with our exclusive non-abrasive pit polish! Clear repairs faster, with the Equalizer® Velocity® Windshield Repair System. The DVD users guide is by far the best in the industry. It is a step by step visual teaching aid for beginners and will help the professional with tips and tricks to increase the quality of their work. Each system contains the following: Bridge and cup assembly, injector, large pit adaptor, UV shield, probe, mirror, cleaning brush, wisk brush, mylar squares, UV curing light/flashlight, torch, glass drill, vacuum pump, LED flashlight, hose and connector assembly, carbide drill bits (5), razor blades, Bull's-eye maker, O-rings (5 small, 2 large), cleaning solution, vacuum cup lube, pit polish, thin resin (10 cps) .5 ounce, medium resin (40 cps) .5 ounce, pit filler .5 ounce, and instructional DVD. Each system comes in a foam lined impact resistant, double-walled plastic case. Made in the USA.

**Standard Repair System**



## VDK613 • Deluxe System

## Equalizer® Velocity® Standard Repair System

If you do not have the funds to purchase the Deluxe System, but want the best system on the market, then start with the Equalizer® Velocity® Standard Repair System. It has all the essentials for achieving a great repair. Everything in this system is the same as the Deluxe System, but there are several items that have not been included to make this system more affordable. You can purchase those items as you need them. Each system contains the following: Bridge and cup assembly, injector, UV shield, probe, mirror, cleaning brush, mylar squares, UV curing light/flashlight, vacuum pump, hose and connector assembly, razor blades, vacuum cup lube, pit polish, thin resin (10 cps) .5 ounce, pit filler .5 ounce, and instructional DVD. Each system comes in a foam lined, impact-resistant, double-walled plastic case. The Standard System has the same foam liner as the Deluxe System so you can expand it. Made in the USA.

## VSK614 • Standard System

# Equalizer® Velocity® Supplies & Accessories



## A. Equalizer® Velocity® Bridge & Injector

The success and longevity of any tool depends on the parts that compose that tool. The parts that compose the Equalizer® Velocity® are simply the best. The Equalizer® Velocity® bridge is made of powder coated aluminum and can be adjusted in seconds. The injector is machined stainless steel and the vacuum is a pump action suction cup that has a red line on the pump to indicate if it is losing vacuum.  
**VBA1443**

**B. Equalizer® Velocity® Injector** • The injector is made of machined stainless steel and will last a lifetime. It has a built in vertical port for working on vertical set windshields such as buses, mobile homes, and 18-wheelers.  
**VIA1444**

**C. Large Pit Adapter** • Sometimes a pit is repairable, but is too large for the normal injector to fully cover the impact point. This is when you need the Large Pit Adaptor. It screws onto the end of the injector and forms an airtight seal.  
**VPA1445**

**D. O-Ring Kit** • O-rings are white so you can see the repair better. There are 5 regular O-rings, two O-rings for the Large Pit Adapter, and two black O-rings that hold the UV shield in place when the Large Pit Adapter is not being used.  
**VOR1468**

**E. Vacuum/Pressure Pump** • Unlike most vacuum pumps, ours is designed to both pull vacuum and, with a simple turn of a switch, it becomes a pump to push resin into a stubborn opening.  
**VVP1446**

**F. Equalizer® Velocity® Thin Viscosity Resin**  
Thin resin (10 cps) is ideal for general repairs. It wicks extremely fast and produces unparalleled clarity and strength.  
**VTR1448 • Velocity® Thin Viscosity Resin .5 Oz.**  
**VTL1449 • Velocity® Thin Viscosity Resin 1 Oz.**

**G. Equalizer® Velocity® Medium Viscosity Resin**  
Medium resin (40 cps) is an ideal choice for hot climates and, just like our thin resin, has unparalleled clarity and strength.  
**VMR1450 • Velocity® Medium Viscosity Resin .5 Oz.**  
**VML1451 • Velocity® Medium Viscosity Resin 1 Oz.**

**H. Equalizer® Velocity® Pit Filler Resin**  
Equalizer® Velocity® Pit Filler Resin is extremely hard, creating a powerful bond to the glass surface. It is also easy to scrape off and then polish to perfection with our exclusive, non-abrasive pit polish.  
**VPF1452 • Pit Filler Resin .5 Oz**  
**VPL1453 • Pit Filler Resin 1 Oz**

**I. Cleaning Brush**  
For cleaning inside the injector.  
**VCB1461**

**J. UV Curing Light**  
It has a curing light on the side and a small flashlight in the end.  
**VUV1447**

**K. Equalizer® Velocity® Pit Polish**  
A non-abrasive pit polish that gives the repair a smoothness and does not produce the scratches that some pit polishes do.  
**VPO1455 • 1 Oz., Bottle**

**L. Equalizer® Velocity® Cleaning Solution**  
Formulated especially to clean the Equalizer® Velocity®.  
**VCB1454 • 1 Oz., Bottle**

## M. Equalizer® Velocity® Cup Lube

Keep the vacuum cups soft, pliable, and looking new for years with regular use of vacuum cup lube.  
**VVL1456 • 1 Oz., Bottle**

**N. Mirror**  
Attach the mirror to the inside of the glass and you can perform the repair from the outside, while you watch the repair progress in the mirror at the same time.  
**VRM1467**

**O. LED Flashlight**  
You can see the light with our LED Flashlight. It produces a powerful white light which will allow you to see what may be overlooked with conventional flashlights. After using this flashlight, the light from any other flashlight looks yellow!  
**VFL1463**

**P. Razor Blades**  
**RB497 • Box of 100**

**Q. Mylar Curing Sheets**  
Mylar Curing Sheets are used to hold the pit filler resin in place and keep it flat while it cures.  
**VS1470 • Package Of 50**

**R. Torch**  
A small, compact, butane torch for heating the glass.  
**VTH1465**

**S. Carbide Drill Bits**  
Five carbide glass drill bits for use in RGD490 drill.  
**VCD1464 • Package of 5**

**T. Rechargeable Glass Drill**  
Rechargeable glass drill includes charger.  
**RGD490**

**U. Bull's-eye Maker**  
Practice your method with a Bull's-eye Maker. A steel ball bearing with a rubber band. Hold the rubber band between your thumb and forefinger and you can make a perfect bull's-eye in a glass. You can then practice your repair techniques.  
**BEM828**

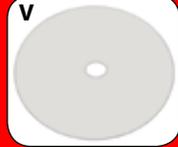
**V. UV Shield**  
This is one of many innovative things about the Equalizer® Velocity®. The UV Shield is a small round shield made of a proprietary material that fits around the injector and prevents sunlight from curing the resin.  
**VUS1495**

**W. Hose Assembly**  
Our hose is 6' long so you can sit inside the vehicle and watch the repair. Available as a hose only, or as an assembly complete with the quick coupler.  
**VHA1466 • Hose Assembly**  
**VHO1469 • Hose Only**

**X. Cleaning Brush**  
Specially designed with staggered teeth to clean around the seals and hard-to-get-at areas of the injector and connectors.  
**VWB1462**

**Y. Probe**  
Hardened stainless steel probe with inter-changeable tips for cleaning broken glass out of a bull's-eye break.  
**VPS1460**

**Z. Equalizer® Velocity® DVD**  
Would you like to see the Equalizer® Velocity® in action? Just order one of these DVDs and watch this exciting new product.  
**VDV1458**





# Kleer-Vu® Windshield Repair Kit

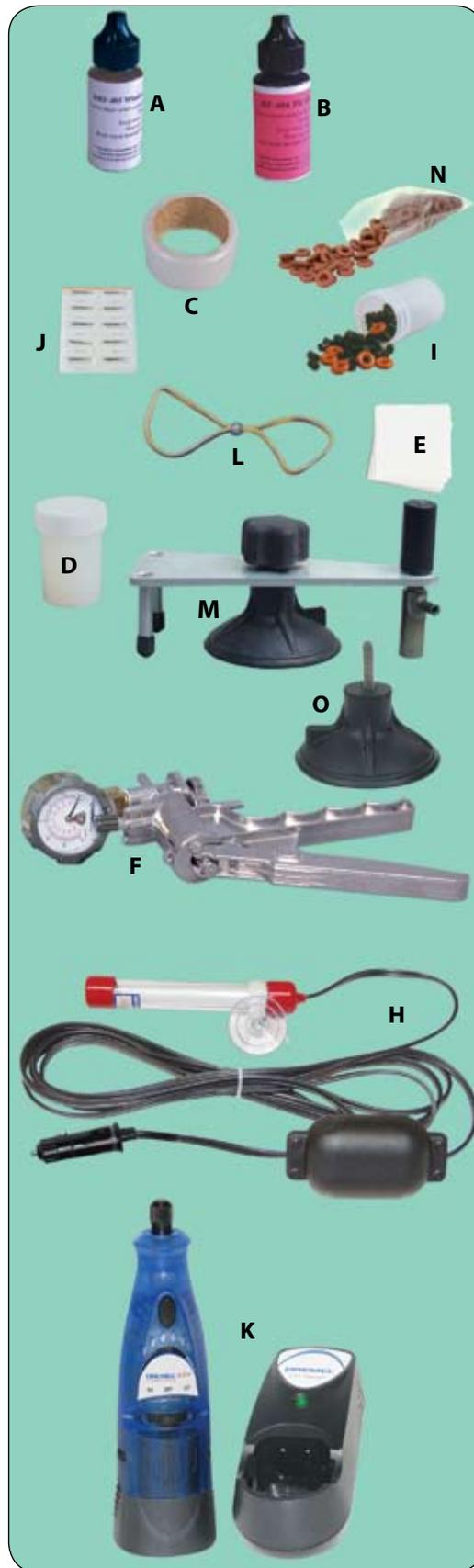


## Kleer-Vu® Windshield Repair Kit

Repairing windshields can greatly increase the possibility of referrals from insurance companies. If you are currently repairing windshields, or decide to start, then we would like to recommend this kit. It is made of the highest-quality materials. The injector is machined of stainless steel and has external threads for easy cleaning. It comes with a Users Guide and a video to teach you proper use of the repair system. The Kleer-Vu® Windshield Repair Kit contains: one vacuum pump, one bottle of windshield repair resin, one bottle of pit filler resin, one roll of UV tape, one carbide scribe, twenty mylar squares, seventy-five injector tip seals and ten O-rings, vacuum cup mounting lubricant, a battery-powered UV light, one rechargeable glass drill with charger, ten carbide bits, and a platform mounting assembly with stainless steel injector. Made in the USA.

### WRC483 • Kleer-Vu® Windshield Repair Kit

- A. Windshield Repair Resin** • .5 ounce, Comes in one-ounce bottle. **RRF485**
- B. Pit Filler Resin** • Used to repair external damage to the glass, .5 ounce. Comes in one-ounce bottle. **RF486**
- C. UV Tape** • Used when repairing radial cracks. **RT487**
- D. Vacuum Cup Mounting Lubricant** .5 ounce container. **SL488**
- E. Mylar Square Sheets** • 2.5" square sheets used in the repair process. **MS492 • Package of 20**
- F. Metal Vacuum Pump** • Comes complete with a vacuum gauge. **RVP476**
- H. UV Light** • Plugs into cigarette lighter. **LWB489**
- I. Injector Seal Kit** • Comes with seventy-five injector tip seals, and ten 'O'-rings. **ISK484**
- J. Carbide Glass Drill Bits** • Package of ten for use in RGD490 drill. **CCB491 • Package of 10**
- K. Rechargeable Glass Drill RGD490**
- L. Bull's-eye Maker** • A steel ball bearing with a rubber band. Hold the rubber band between your thumb and forefinger and you can make a perfect bull's-eye in a glass. You can then practice your repair techniques. **BEM828**
- M. Platform Assembly** • Many people purchase additional platform assemblies because they repair more than one rock chip at a time. **I4830**
- N. O-Ring Seals** • 50 seals for the injector barrel. **KOR932**
- O. Vacuum Cup for Platform Assembly** **KV475**



# AEGIS® Windshield Repair Kits



## AEGIS® Advantage Kit

AEGIS® was one of the first companies to introduce windshield repair kits and they have spent the last 25 years perfecting their kits. The AEGIS® Advantage Kit was designed to be the mid-priced kit for the shop that will use it more than occasionally, yet requires a quality, well built product. The Advantage Kit uses the pro series fixture and the dependable, fully gauged pressure/vacuum pump. With its AEGIS® design, and top-quality AEGIS® resins, the Advantage Kit will perform top-quality repairs. Made in the USA.

### KIT1500 • Advantage Kit



#### Kit Includes:

- Pressure/vacuum pump
- Repair fixture
- Ultraviolet lamp/flashlight
- Supply box, filled
- Glycerin
- Small fixture chamber
- Resin for up to 100 repairs
- Training manual
- Carrying case
- One instruction video

## AEGIS® Quik Kit™

The AEGIS® Quik Kit™ is fast, affordable, and professional. The fixture sets up so fast that it reduces steps and saves valuable time. Because the Quik Kit™ is affordable, it allows any shop the opportunity to get into windshield repair with very little investment. With a large supply of resin, you will have your kit paid for before you have to re-supply. Made in the USA.

### KIT1650 • Quik Kit™

#### Kit Includes:

- Pressure/vacuum pump
- Ultraviolet lamp/flashlight
- Glycerin
- Six razor blades
- Five syringes
- Two needles
- Three quad rings
- One polymer (up to 25 repairs)
- One crack filler (up to 25 repairs)
- 25 mylar squares
- Instruction manual
- Carrying case





# Clear Star® Windshield Repair Kit



## Clear Star® Windshield Repair Kit

Are you in the windshield business and looking for ways to increase your customer base? Windshield repair is a great way to attract repeat customers and is very helpful in achieving insurance referrals. This is one way to show the insurance companies you are a full-service glass company. Windshield repair systems are usually expensive, but Equalizer offers a windshield repair system that repairs most windshields without costing you hundreds or even thousands of dollars. The Clear Star® Windshield Repair Kit contains: Two injectors, two hoses, one UV curing lamp, four AA batteries, one cure guard, two flow regulators, one carbide probe, eighteen adhesive alignment seals, eighteen pedestals, one bottle UV resin (1/4 ounce), one bottle thin resin (1/4 ounce), one razor blade holder with razor blade, twenty mylar squares, and one bottle of buffing compound to smooth the surface of the repair. Made in the USA.

### UV528 • Windshield Repair Kit

- A. Pedestals** • These are disposable items meant to be used only one time and then discarded. To use them properly you must have an adhesive pad. First put the adhesive pad over the damaged area, then attach the pedestal to the adhesive pad.  
**P536 • Package of 25**
- B. Adhesive Pads** • They are disposable pieces of double-faced tape. Pull the tape off and place the pad so the damaged area shows through the hole in the center. Then place the pedestal over the pad so all holes are aligned and the resin will flow into the damaged area.  
**AS537 • Package of 25**
- C. Injector** • Many technicians do more than one repair at a time. You can keep a couple of extra injectors and save time on the second repair.  
**INJ581 • Injector**
- D. Hose** • The hose can wear out over a period of time or become damaged. We offer a 30" section of this hose for replacement purposes.  
**H538 • 30" Section**
- E. Mylar Square Sheets** • 2.5" x 2.5", used in the repair process. **MS492 • Package of 20**
- F. Cure Guard** • Protects resin from UV light while repair is being made. **CCG349**
- G. Crack Filling Resin** • Thinner than most resins and commonly used when repairing a crack. **CFR383 • 1/2 Ounce Bottle**
- H. General Purpose Resin** • Repairs normal breaks, bull's-eye breaks and acts as a pit filler. **CTR384 • 1/2 Ounce Bottle**
- I. UV Light Converter** • Replace the batteries in your UV light with this converter and you will never buy batteries again. Plug into the power point of the vehicle you are working on and use its battery to power your UV light. Works only with item CLU753 (K). **CLC827**
- J. Bull's-eye Maker** • Practice your method with a Bull's-eye Maker. A steel ball bearing with a rubber band. Hold the rubber band between your thumb and forefinger and you can make a perfect bull's-eye in a glass. You can then practice your repair techniques. **BEM828**
- K. UV Light** • Complete with bulb (Requires four AA batteries not included.) **CLU573**
- L. Replacement Bulb** • For the UV light • **UF574**
- M. Flow Regulator** • **FR1**
- N. Large Injector** • **IBV**



# Clear Star® Windshield Repair Kit & Products



The Clear Star® Super Vac Mobile Windshield Repair System contains:

- 1 • Injector assembly
- 1 • Flow regulator
- 1 • UV cure guard
- 1 • Bottle UV quick cure resin (12cc)
- 1 • UV curing lamp (use batteries or connect to cigarette lighter)
- 4 • Penlight batteries
- 1 • Lamp adapter to connect lamp to cigarette lighter
- 1 • Razor blade and holder
- 1 • Drill (runs 12,000 RPM and runs off cigarette lighter)
- 2 • Drill bits
- 1 • Battery connector
- 1 • Bottle pit polish (1/4 oz)
- 1 • Windshield temperature gauge
- 2 • Hoses (30")
- 1 • Carbide probe
- 1 • Super Vac instructional video
- 1 • Instruction manual
- 1 • Carrying case
- 24 • Adhesive alignment seals
- 24 • Pedestals (resin chamber)
- 24 • Mylar squares



## Clear Star® Super Vac Mobile Windshield Repair System

**No need for special fixtures, adapters, bridges, suction cups, or mirrors.**

The quick-mounting pedestal and resin chamber mount in seconds and are easy to load. There's no mixing, no waste, and never any mess. The patented vacuum injector and dual-action valve evacuate the air with a precise 30" of hg vacuum. Turn the valve, and it injects a specially formulated liquid ultraviolet light-cure resin to fill the entire cavity. There is never any guessing. More important, you do not have to stand on ladders or sit on the hood to make repairs. Simply attach the extension hose and you can monitor repairs from both inside and outside the vehicle. The Clear Star® Super Vac Mobile Windshield Repair System contains supplies for 24 repairs and is specifically outfitted with additional accessories to allow technicians to duplicate the high-quality repairs achieved in an indoor workshop. Packaged in a neat, compact, and portable kit.

**UV24DX**

## Super Vac Re-Supply Pack

The Super Vac Re-Supply Pack is ideal for use with any Clear Star® repair system that uses the Super Vac injector assembly. This convenient re-supply pack comes equipped with all the materials you need to complete 24 repairs, including replacement parts. Buy a re-supply pack that does 48 repairs.

**SVR24 • Performs 24 Repairs**

**SVR48 • Performs 48 Repairs**

## Super Vac Re-Supply Pack (24)

- 1 • Bottle (12cc) UV quick resin
- 1 • Flow regulator
- 1 • Hose
- 1 • Bottle pit polish (1/4 oz)
- 1 • Razor blade
- 1 • Instruction sheet
- 24 • Adhesive alignment seals
- 24 • Pedestals (resin chamber)
- 24 • Mylar squares

*\* Double these amounts for the SVR48*





# Windshield Repair Accessories



Never worry about your batteries being charged again.

## **A** AEGIS® Polymer

This is a medium viscosity resin that will repair up to 25 breaks. Packaged in 4 ml bottle. Unopened, each bottle has a shelf life of two years. Mylar squares required for curing.

**LIQ2010**

## **B** AEGIS® Crack Filler

A special low-viscosity formula that is the perfect choice for star breaks, combination, and cracks. Each 4 ml bottle contains enough crack filler for up to 25 repairs. Unopened, it has a shelf life of two years. Mylar squares required for curing.

**LIQ2015**

## **C** AEGIS® Pit Filler Polymer

A special AEGIS® formula that fills pits and nicks, and is easy to apply. Formulated with a very high-viscosity, which makes filling surface pits easy. 2 ml bottle. Mylar squares required for curing.

**LIQ2020**

## **D** AEGIS® Pit Polish

When used with a buffing wheel assembly, you will have a bright and clear finish on your repaired glass.

**LIQ2030**

## **E** 3/8" I.D. Fixture Chamber Standard Pro Series

**FIX2005**

## **F** Equalizer® 12-Volt Ultraviolet Curing Lamp

It is seven times brighter than most curing lights on the market. Plugs into your cigarette lighter with a 20' cable that is long enough to reach anywhere.

**IX1215**

## **G** Resin Dispensing Pack

Includes six syringes and three needles.

**SBX2030**

## **H** Equalizer® Carbide Scriber/Magnet

Carbide scribers are used to "dig" out small pieces of glass that have been crushed when the glass was damaged. Our Carbide Scriber has a screw chuck for reversing the point when not in use, a permanent Alnico magnet for retrieving small metal parts, and a pocket clip so you can carry it in your shirt pocket. The body is made of aluminum.

**CD1059**

## **I** AEGIS® Sun Screen UV Blocker

Repairs done outdoors will cure prematurely if not covered. The UV-blocking sun screen can be placed over the repair when shade is not available. Made of UV-blocking material and attaches with four suction cups.

**KIT1044**

**J** Dremel® Cordless Drill/Grinder Kit • Drill a hole where there was no entrance into a bull's-eye or sharpen an Equalizer® Blade, Equalizer® Express® Blade, or pinchweld prep tools. Comes with several grinding, sharpening, and cutting wheels. It has a built in light so you can see your work area even in the dark.

**DCT7800 • Dremel® Drill/Grinder Kit**

## **K** Equalizer® Windshield Repair Mirror

Place a mirror on the inside and look at the reflection of the repair area. Our Windshield Repair Mirror has two small vacuum cups to hold the mirror firmly in place while the repair is being performed. The mirror is made of plastic and will not easily break.

**FQ1124**

## **L** AEGIS® Quad Rings

**SBX2010 • Package of Five • 3/8"**

**SBX2016 • Package of Five • 3/16"**

## **M** HDW3000 • Mylar Squares, 1" Strips, 100 per pack

## **N** RB497 • Razor Blades • Box of 100

## **O** Glass Drill/Cold Knife Sharpening Tool

This tool has a 6' long cord that plugs into the cigarette lighter of the vehicle you are working on. Because it has a real drill chuck and not a collet, it will hold anything from the smallest drill bit (or carbide drill bit) all the way up to an 1/8" drill bit. You can also use any of the Dremel® type accessories in this tool. It can be used as a grinder for sharpening cold knife blades, Equalizer® Blades, Express® Blades, or any of the oscillating tool blades.

**RSR941**

## **P** Polishing Assembly With 1/4" Shank

Use this polishing assembly with our AEGIS® Pit Polish. Mess-free polishing is a snap with this new polishing head. The sponge absorbs polish and redistributes it evenly. Fits any power tool with a 1/4" chuck.

**HDW4000**

# Mobile 120-Volt Electricity For Your Power Tools



## Statpower® PROsine™ • 1800 Watt True Sine Wave Inverter

If you go to buy a vehicle, you can buy anything from a Ford to a Mercedes. That is the reason we carry this inverter. Some people want the best, and they want to use all the tools in their toolbox. This inverter will handle any tool up to 1800 watts (15 amps). It will power your heat gun, your large vacuum cleaner, or your electric oscillating tool (not all at the same time, but individually). It measures 15" L x 11" W x 4-3/4" H.

**HZ1193**

**LT1270 • Hookup Wire 8' Long**



**Does not come with hookup wire**



## 12-Volt DC to 120-Volt AC Inverters

Use the battery of your mobile vehicle to power your 120-Volt Equalizer® tools, vacuum cleaners, drills, bench grinders, and most 120-Volt electric tools. You will not know the inverter is there until you need 120-Volt AC electricity. An inverter will run most tools used by the Auto Glass Technician for 15 minutes before the vehicle must be started. Start your mobile vehicle, let it run, and you can run a tool continually because the alternator will charge the battery faster than the inverter can discharge it. Each of our inverters

has a low battery alarm and a low battery shut-down. The low battery shut-down turns the inverter off if the battery is drained to 10-Volts, and that is more than enough to crank the vehicle for several minutes. Equalizer® Inverters have a 2-year warranty against factory defects. All inverters have automatic thermal protection, extra surge capacity, low input voltage alarm, low battery shut-down, and reverse polarity protection. The CES1475 measures 12" L x 6" W x 2-1/2" H. The CEM1476 measures 13" L x 8" W x 3-1/2" H.

**CES1475 • Equalizer® Inverter • 1000 Watt**

**CEM1476 • Equalizer® Inverter • 1500 Watt**

**LT1270 • Hookup Wire 8' Long**



**Does not come with hookup wire**

## 2500 Watt 12-Volt DC to 120-Volt AC Inverter

Some technicians like to use a large vacuum cleaner and many shops use teams of two installers to install glass. Situations like these call for a lot of power, because often both technicians are using a power tool at the same time. This unit will run a large vacuum cleaner and a cut out tool at the same time. Also, many technicians double as glazers and, in that capacity, often use large tools such as chop saws. Chop saws use a lot of electricity and this inverter will produce enough to run the largest.

Measures 16" L x 8" W x 3-1/4" H.

**CEL1477 • Equalizer® Inverter • 2500 Watt**

**LT1270 • Hookup Wire 8' Long**



## Inverter Application Chart

Inverter Number								
CES1475	No	No	No	Yes	Yes	No	Yes	No
CEM1476	No	Yes	Yes	Yes	Yes	No	Yes	Yes
CEL1477	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
HZ1193	Yes							



# Equalizer® Socket Sets & Wrenches

**Lifetime Warranty**



All ratchets lock the socket in place so it will not fall off.



All extensions are wobble extensions that will swivel 30° so you can get by an obstruction and still tighten a bolt, but if you want to use them as a regular extension just push the socket 1/8" further onto the extension.



## Equalizer® Professional Technician Socket Sets

*Made of chrome vanadium steel*

Equalizer® Socket Sets are made of the highest-quality chrome vanadium steel and polished to a finish that looks like a mirror. Sockets and wrenches are dynamic drive and, instead of turning the corner off of the bolt head or nut, they press against the flat part, giving the ratchet a greater possibility of tightening or loosening the bolt without stripping the head. They are so well made that we guarantee them for as long as you own them. Each set comes with both standard and deep well sockets. The nut driver has a shaft that extends through the nut driver handle and is made to fit the 1/4" ratchet. Each socket set has a foam-lined carrying case that holds each individual part so you can quickly see if anything is missing.

### Equalizer® 41-Piece Professional Technician Socket Set

Inch and metric sockets in regular and deep well sizes. Set contains the following in a foam-lined plastic carrying case:

**Standard sockets - 1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **Metric sockets - 1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **Deep well sockets - 1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **Metric deep well sockets - 1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **Extensions - 1/4" drive:** 6", 3"; **Nut driver:** 1/4"; **Ratchet - 1/4" drive;** **Short ratchet -** for confined spaces.  
**PTK324**



### Equalizer® 66-Piece Professional Technician Socket Set

Inch and metric sockets in regular and deep well sizes. Set contains the following in a foam-lined plastic carrying case:

**Standard sockets - 1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **3/8" drive:** 9/16", 19/32", 5/8", 11/16", 3/4"; **Metric sockets - 1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **3/8" drive:** 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Deep well sockets - 1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **3/8" drive:** 9/16", 5/8", 11/16", 3/4"; **Metric deep well sockets - 1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **3/8" drive:** 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Extensions - 1/4" drive:** 6", 3"; **3/8" drive:** 6", 3"; **Nut driver -** 1/4"; **Ratchet - 1/4" drive, 3/8" drive;** **Short ratchet for confined spaces - 1/4" drive, 3/8" drive.**  
**PTN325**



### Equalizer® 90-Piece Professional Technician Socket Set

Inch and metric sockets in regular and deep well sizes plus a full set of long combination wrenches in inch and metric sizes. Set contains the following in a foam-lined plastic carrying case:

**Standard sockets - 1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **3/8" drive:** 9/16", 19/32", 5/8", 11/16", 3/4"; **Metric sockets - 1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **3/8" drive:** 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Deep well sockets - 1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **3/8" drive:** 9/16", 5/8", 11/16", 3/4"; **Metric deep well sockets - 1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **3/8" drive:** 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Combination wrenches - inch sizes:** 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"; **metric sizes:** 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Extensions - 1/4" drive:** 6", 3"; **3/8" drive:** 6", 3"; **Nut driver -** 1/4"; **Ratchet - 1/4" drive, 3/8" drive;** **Short ratchet for confined spaces - 1/4" drive, 3/8" drive.**  
**PTH326**



### Equalizer® 112-Piece Professional Technician Socket Set

Comes with inch and metric sockets in regular and deep well sizes, plus a full set of long and short combination wrenches in inch and metric sizes. Set contains the following in a foam-lined plastic carrying case:

**Standard sockets - 1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **3/8" drive:** 9/16", 19/32", 5/8", 11/16", 3/4"; **Metric sockets - 1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **3/8" drive:** 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Deep well sockets - 1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **3/8" drive:** 9/16", 5/8", 11/16", 3/4"; **Metric deep well sockets - 1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **3/8" drive:** 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Combination wrenches - inch sizes:** 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"; **metric sizes:** 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Short combination wrenches** for working in confined spaces - **inch sizes:** 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"; **metric sizes:** 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Extensions - 1/4" drive:** 6", 3"; **3/8" drive:** 6", 3"; **Nut driver - 1/4"; Ratchet - 1/4" drive, 3/8" drive; Short ratchet** for confined spaces - **1/4" drive, 3/8" drive.**

PTM327



### Equalizer® 90-Piece Professional Technician Toolbox Set

Comes with inch and metric sockets in regular and deep well sizes, plus a full set of long combination wrenches in inch and metric sizes. Set contains the following with an Equalizer® ABT377 20" 2-drawer metal toolbox:

**Standard sockets - 1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **3/8" drive:** 9/16", 19/32", 5/8", 11/16", 3/4"; **Metric sockets - 1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **3/8" drive:** 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Deep well sockets - 1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **3/8" drive:** 9/16", 5/8", 11/16", 3/4"; **Metric deep well sockets - 1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **3/8" drive:** 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Combination wrenches - inch sizes:** 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"; **metric sizes:** 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Extensions - 1/4" drive:** 6", 3"; **3/8" drive:** 6", 3"; **Nut driver - 1/4"; Ratchet - 1/4" drive, 3/8" drive; Short ratchet** for confined spaces - **1/4" drive, 3/8" drive.**

PWB328



### Equalizer® 112-Piece Professional Technician Toolbox Set

Comes with inch and metric sockets in regular and deep well sizes, plus a full set of long and short combination wrenches in inch and metric sizes. Set contains the following with an Equalizer® AST378 20" 3-drawer metal toolbox:

**Standard sockets - 1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **3/8" drive:** 9/16", 19/32", 5/8", 11/16", 3/4"; **Metric sockets - 1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **3/8" drive:** 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Deep well sockets - 1/4" drive:** 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; **3/8" drive:** 9/16", 5/8", 11/16", 3/4"; **Metric deep well sockets - 1/4" drive:** 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; **3/8" drive:** 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Combination wrenches - inch sizes:** 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"; **metric sizes:** 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Short combination wrenches** for working in confined spaces - **inch sizes:** 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"; **metric sizes:** 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; **Extensions - 1/4" drive:** 6", 3"; **3/8" drive:** 6", 3"; **Nut driver - 1/4"; Ratchet - 1/4" drive, 3/8" drive; Short ratchet** for confined spaces - **1/4" drive, 3/8" drive.**

PWM329





# Equalizer® Wrenches

**Lifetime Warranty**



**NS1340**

## Equalizer® Combination Wrench Sets

Our wrenches are made of chrome vanadium steel and polished to a bright finish. No photograph will show the beauty of these tools. Each set is contained in a vinyl roll-up bag that can be rolled up and tied so your wrenches stay together, or use the grommets to hang it on the wall. Our wrenches have a lifetime guarantee. If one of the wrenches ever breaks just send it back for a free replacement.

### Equalizer® 10-Piece Combination Wrenches

#### *Inch sizes*

Contains the following: 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", in a vinyl tool roll.

**NS1340**



**NT1341**

### Equalizer® 14-Piece Metric Combination Wrenches

#### *Metric sizes*

Contains the following: 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, in a vinyl tool roll.

**NT1341**



**NU1342**

### Equalizer® Short Combination Wrenches

No technician should be without a set of short wrenches. Auto Glass Technicians work inside doors, under hoods, and in all kinds of confined spaces. Auto body repair people also work in very confined spaces, so a set of these is an essential thing to have in your toolbox. The shortest inch-size wrench (5/16") measures only 3-1/4" long, while the longest wrench (3/4") measures only 5-3/8" long. Their counterpart in metric wrenches measure 3-1/8" (shortest = 7mm) and 4-1/4" (longest = 19mm).

### Equalizer® 9-Piece Short Combination Wrenches

#### *Inch sizes*

Contains the following: 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", in a vinyl tool roll.

**NU1342**



**NV1343**

### Equalizer® 13-Piece Short Combination Wrenches

#### *Metric sizes*

Contains the following: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, in a vinyl tool roll.

**NV1343**



**29015**



**29019**



## Midget Wrenches

### *Ignition Wrenches*

I've carried a set of these in my toolbox for 30 years (I still have them). There are many times I could not have done a job without them. Getting into small spaces to remove small bolts and nuts is something a technician does every day. Be prepared with a set of these wrenches. Each set comes in its own carrying pouch so it can easily be found in your toolbox.

**29015** 10-piece inch size midget combination wrench set contains the following size wrenches: 3/16", 5/32", 15/64", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", in a plastic pouch.

**29015 • Inch Size**

**29019** 10-piece metric midget combination wrench set contains the following size wrenches: 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, in a plastic pouch.

**29019 • Metric**

# Equalizer® Ratchets, Extensions & Tool Boxes



**Lifetime Warranty**

## Equalizer® Ratchets

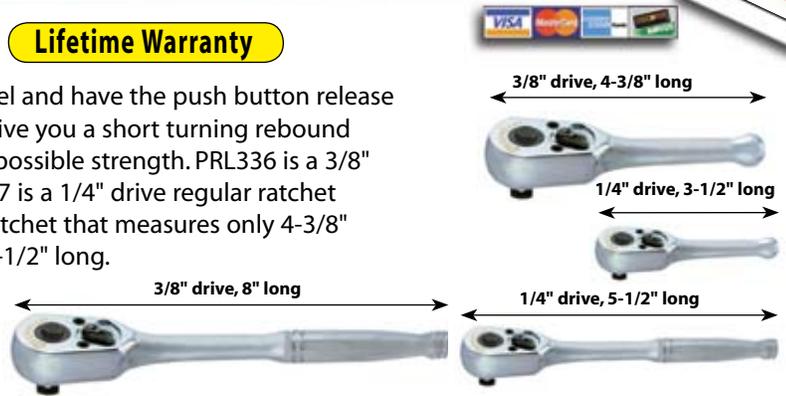
All Equalizer® Ratchets are made of chrome vanadium steel and have the push button release for the sockets. They have 45 teeth and are designed to give you a short turning rebound distance between each stroke, while giving you the best possible strength. PRL336 is a 3/8" drive regular length ratchet wrench that is 8" long. PRS337 is a 1/4" drive regular ratchet wrench that is 5-1/2" long. PRM338 is a 3/8" drive short ratchet that measures only 4-3/8" long. PSM339 is a 1/4" short ratchet that measures only 3-1/2" long.

**PRL336 • 3/8" Drive, 8" Long**

**PRS337 • 1/4" Drive, 5-1/2" Long**

**PRM338 • 3/8" Drive, 4-3/8" Long**

**PSM339 • 1/4" Drive, 3-1/2" Long**



## Equalizer® Extensions

Equalizer® Extensions are made of chrome vanadium steel. All extensions are wobble extensions that will swivel 30° so you can get by an obstruction and still tighten a bolt. If you want to use them as a regular extension, just push the socket 1/8" further onto the extension.

**PAE342 • 3/8" Drive, 3" Long Extension**

**PAF343 • 3/8" Drive, 6" Long Extension**

**PAB340 • 1/4" Drive, 3" Long Extension**

**PAC341 • 1/4" Drive, 6" Long Extension**

**Lifetime Warranty**



## Equalizer® Nut Driver

This is the same nut driver that is included with all Equalizer® Tool Sets. The drive part extends through the handle so you can use it like an extension for your 1/4" ratchet after you have tightened the nut by hand.

**PAH344**



## Equalizer® 20" 2-Drawer Toolbox

Many technicians start their careers with a small toolbox filled with just the basics for doing the job. Later, as they become more skilled and start working on their own, they purchase a larger toolbox and keep the smaller toolbox filled with the most-used tools. This toolbox can be easily carried to the vehicle you are working on and, if you need a more specialized tool, you can return to your larger toolbox. Overall size is 20-1/2" wide, 8-1/2" deep and 9-1/2" tall. Top tray area is 20-1/2" wide, 8-1/2" deep and 2-1/4" tall. Each drawer measures 17-7/8" wide, 7-1/2" deep and 2-1/4" tall. The weight of the toolbox is 16 pounds. Made in the USA.

**ABT377**



## Equalizer® 20" 3-Drawer Toolbox

Our AST378 3-Drawer Toolbox has heavy-plated latches that are designed to withstand weather and weight and a hasp-type lock so it can be padlocked for extra security. It comes with a comfort-grip top handle that conforms to the shape of your hand. It has a watershed-hinge design that will shield the hinge from moisture and dirt. Overall size is 20-1/2" wide, 8-1/2" deep and 11-3/4" tall. Top tray area is 20-1/2" wide, 8-1/2" deep and 2-1/4" tall. Each drawer measures 17-7/8" wide, 7-1/2" deep and 2-1/4" tall. The weight of the toolbox is 19 pounds. Made in the USA.

**AST378**



## Equalizer® 6-Drawer Toolbox

To be an Auto Glass Technician today, you need a toolbox full of inch and metric wrenches, inch and metric sockets, and dozens of specialty tools. Those tools are a very large investment and should be cared for properly. Our 6-Drawer Toolbox has large and small size drawers and will help you organize those tools. It has three split and three full size drawers, inset side handles for those times when you need to carry it from one location to another, external lock bars, and an external lock to provide visible security. Overall size is 26" wide, 12" deep, and 15-1/4" high. The top opens and has a storage area of 26" wide, 12" deep, and 1-1/2" high. The top three small drawers are 6-5/8" wide, 10-3/4" deep and 2" tall. The middle two drawers are 22-1/4" wide, 10-3/4" deep and 2" tall. The bottom drawer is 22-1/4" wide, 10-3/4" deep and 4" tall. The weight of the toolbox is 34 pounds. Made in the USA.

**ALT379**





# Useful Tools & Products



98091

## Fold-Up Hex Key Sets

A good set of hex keys is essential to any technician's toolbox. We have such a wide range of foreign and American-made automobiles that you need a full set of inch and metric hex keys so you can work on any vehicle. You never have to worry about losing a hex key because our hex keys fold up into a compact storage handle that is easy to locate. Made in the USA.

The inch-size hex keys have the following sizes:  
5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"

The metric hex keys have the following sizes:  
2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm

**98091 • Inch Size**

**98027 • Metric**



98027



## Torx® Key Set

Torx® keys have become widely used throughout the world. It is not uncommon to find Torx® on many of today's automobiles. Our Torx® Key Set folds up into a compact storage handle so it is easy to carry in your toolbox or slip into a tool pouch. Our Torx® keys have the following sizes: T10, T15, T20, T25, T27, T30, T40. Made in the USA.

**98057**



## Power Bit Set

Technicians have all hooked an air tool into an air chuck. The first time you hooked up an air tool you were probably amazed at how well an air chuck worked. Well, some very smart individual decided to adapt that idea to a bit holder for a drill/driver. Put the chuck in your drill/driver and, when you want to change a bit, pull the spring-loaded outer ring of the chuck back and snap a new bit in place. It takes about two seconds. The Power Bit Set comes with a #1 and #2 Phillips bit, a 3/16" and 1/4" straight bit.

**BY1054**



## Scratch Awl

A scratch awl is a necessity for lining up holes to put a bolt through, knocking out stubborn or rusted bolts, putting a dent in a piece of metal where you are going to drill a hole, and dozens of other uses. A toolbox does not have a complete set of tools unless it has a scratch awl.

**BH1037**



14301

13038

## Channel Locks and Pliers

Sometimes you can try every tool in your toolbox, but nothing will work. That is when you pull out the pliers or channel locks, and have one more try at loosening that bolt, screw, or nut. Sometimes it works! Our Channel Locks and Pliers are made in the USA of the highest-quality materials.

**14301 • Channel Locks**

**13038 • Pliers**

# Storage & Pop Rivet Guns



## Heavy-Duty Three-Drawer Tool Box

The external shell of this toolbox is made of heavy-duty, high-impact polypropylene resin with molded-in color. It has a large storage area on top and three durable steel drawers with full-extension slides that lock when the lid is closed. One great feature that is not available on most other toolboxes is the "front foot" design that stabilizes the box when the drawers are opened. It has a large, comfortable, center handle, and handy depressions are molded into the cover to hold small parts. Both hinges are lockable for total security. It measures 23" wide, 13-1/2" deep and 10-1/2" tall.

**HP2331**



## CanIT™ Organizer

Cans are the hardest thing to organize. They roll around, make noise, will not stay in one place, and are generally just annoying to deal with. Mount the CanIT™ on the wall of your mobile vehicle and you have the problem solved. The cans are held in place by the plastic pipe and, because of the way the front is cut, items in the cans are visible and easy to access. CanIT™ is made of PVC pipe and has a sturdy aluminum bracket for easy mounting. Of course it is not just a can holder, you can put anything you commonly use in this organizer. Made in the USA.



Invented By  
David Fabian  
See page 4.

**RX1394**



**Cans not included**



Pointing at 90° angle



Twist head



Pointing forward

## Twistable Head Rivet Tool

**Unique twistable head rotates 90° to point forward.**

Manufacturers put rivets in places that are almost inaccessible. Our Twistable Head Rivet Tool will help install these problem rivets. No matter what direction the head is pointing, the rivet tool still works, thanks to a unique head that can be rotated all the way around to point in any direction. It has all-steel construction, a comfortable vinyl grip, and an extended nose to get into hard to reach places. It comes with 4 different nose pieces and a wrench to change them. Each nose piece lets you use a different size rivet: 3/32", 1/8", 5/32", 3/16". The handle locks together for easy storage.

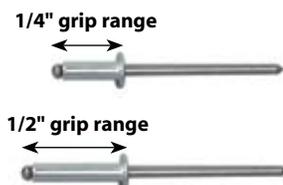
**DO1097**

## Long Nose Rivet Tool

**Features long nose with narrow diameter to fit inside channels**

On many vehicles the door seal channels must be removed so you can remove the mouldings that cover the vertical edges of the windshield. Most of the channels are held in place by rivets. A problem arises when you must reach down inside a narrow retaining channel and put the pop rivet in place. Most rivet tools have a short nose and will not reach the bottom of the channel. Our Long Nose Rivet Tool will reach down inside the deepest channels.

**LV1272**



### Aluminum Rivets

**Fit the DO1097, LV1272, and all standard rivet tools.**

DP1098	1/8" Diameter 1/4" Long	Package of 100
DQ1099	5/32" Diameter 1/4" Long	Package of 50
DR1100	3/16" Diameter 1/4" Long	Package of 50
DS1101	1/8" Diameter 1/2" Long	Package of 100
DT1102	5/32" Diameter 1/2" Long	Package of 50
DU1103	3/16" Diameter 1/2" Long	Package of 50



# Angle Screwdrivers



Thumb brace rotates to any angle

**Angle Screwdriver**  
 Manufacturers can put screws in some very difficult places. This usually happens because they are not thinking about repair, they are thinking about manufacturing. Some examples are screws that are under the hood and behind the fenders, but were put there before the hood or fenders were installed. Without our Angle Screwdriver, it can be very difficult to remove those screws that are under hoods and behind fenders. Our Angle Screwdriver has a thumb brace that allows you to swivel the driver to any angle and use your thumb to keep it from rotating while you remove a screw. Comes with six screwdriver bits: one each #1, #2, #3 Phillips and one each #3, #5, #8 slotted. Made of the highest-quality materials to last a lifetime. Made in the USA.

**AW1026**



Thumb brace rotates to any angle



## Angle Screwdriver Without Handle For a power drill/driver

This is the same tool shown above, but without the handle. It makes a great accessory for your cordless drill/driver. It has a thumb brace that allows you to swivel the driver to any angle and use your thumb to keep it from rotating while you remove a screw.

Made of the highest-quality materials to last a lifetime. One #2 Phillips screwdriver bit included. Made in the USA.

**BAS550**



## Pocket Socket

Those of you who have been in the auto glass industry for more than twenty years will remember this tool. It disappeared for several years, but we were able to convince the manufacturer to bring it back. The Pocket Socket is a hand-held nut driver that has four different size sockets: 1/4", 5/16", 3/8" and 7/16", all in one handle. Use it with the 1/4" socket out and it is a 1/4" on one end and a 7/16" socket on the other. Push the shaft to the other side, and it is a 5/16" on one end and a 3/8" nut driver on the other. Great for working on door panels and door glasses. Small enough to put in your pocket.

**PS356**



## T-Handle 1/8" Hex Wrench

These handy T-handle hex wrenches are included with all of our Equalizer® tools, including the Excalibur®. Many people have asked us if they can purchase them as a separate item, and now you can!

**I3108 • 1/8" Hex Wrench**



## Equalizer® Razor Blades

The most commonly used item in an auto glass shop is the razor blade. We use them to remove everything from stickers to excess urethane. Equalizer® Razor Blades are tough, strong, industrial razor blades packaged in boxes of 100. Each blade is securely wrapped in a thin, brown piece of cardboard to protect the edge. A sturdy metal back gives the blade strength. Made in the USA.

**RB497 • Box of 100**

# Screwdrivers & Accessories



## Auto Glass Technician's 29-Piece Screwdriver Set

Simple jobs sometimes become impossible without the right screwdriver. With this screwdriver set you will never have that problem again. This high-quality screwdriver set even contains the square bits used on many motor homes. The 8" Magnetic Screwdriver has a steel shank, stainless steel bit holder, and a high-impact solid plastic handle. The set comes in a hard plastic, custom-molded carrying case.

**ESS766**

Description	Length	Point Size
Driver	8"	1/4 Magnetic
Phillips Bits	1"	0, 1, 2, 3
Slotted Bits	1"	0, 3, 5, 8, 12
Socket Head Bits	1"	5/64, 3/32, 7/64, 1/8, 9/64
Square Recess Bits	1"	0, 1, 2, 3
TORX® Bits	1"	T10, T15, T20, T25, T30, T40
POZIDRIV® Bits	1"	1, 2
Socket Adapter	1"	1/4
Bit Holder	1-3/4"	1/4



## Auto Glass Technician's 40-Piece Screwdriver Set

Everything you need in an easy-to-carry, convenient set. This high-quality American-made screwdriver set comes with Phillips, slotted, Allen, square, Torx®, POZIDRIV® bits, and clutch bits. It also has a socket adapter so you can use 1/4" sockets and a bit holder that can be put in a power drill/driver so you can use all bits in a power tool. It has a flip-top handle that will allow you to put five of your most commonly used bits inside the handle.

**FPC705**

Description	Length	Point Size
Driver	8"	1/4 Magnetic with storage handle
Phillips Bits	1"	0, 1, 2, 3
Slotted Bits	1"	0-1, 3-4, 5-6, 8-10, 12-14
Allen Bits	1"	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4
Square Recess Bits	1"	2.5mm, 3mm, 4mm, 5mm, 6mm
TORX® Bits	1"	0, 1, 2, 3
POZIDRIV® Bits	1"	T10, T15, T20, T25, T27, T30, T40
Clutch Bit	1"	1, 2
Socket Adapter	1"	3
Socket Adapter	1"	1/4
Bit Holder	1-3/4"	1/4



## Equalizer® 8" Magnetic Screwdriver

The Equalizer® Magnetic Screwdriver has a steel shaft with a stainless steel bit holder and a high-impact plastic handle. Handle is 1-1/4" in diameter to give added grip and leverage. Comes with a #2 Phillips bit. Made in the USA.

**EPB760**



## Equalizer® 11" Magnetic Screwdriver

Our Equalizer® 11" Magnetic Screwdriver is perfect for reaching deep inside doors or in hard-to-reach areas. Our magnetic screwdriver has a steel shaft and stainless steel bit holder. Handle is 1-1/4" in diameter. Supplied with one #2 Phillips screwdriver bit. Made in the USA.

**EPS761**



### Phillips Insert Bits

**EPB762 • Phillips #1**

**EPB763 • Phillips #2**

**EPB764 • Phillips #3**



## Magnetic Screwdriver Shafts

Many technicians use cordless screwdrivers. When you are using a cordless screwdriver to work a door glass, it is often necessary to reach deep inside the door to install a screw. We offer two size screwdriver shafts that will fit into your screwdriver and let you reach deep into any door to install any screw. Made with a steel shaft and a stainless steel magnetic bit holder.

**S767 • 5" Long**

**S768 • 8" Long**





# Air Tool Accessories



## **A** Air Control Unit

This unit controls the three most important things you need to control when using an air tool. It takes water out of the air, regulates the pounds per square inch (psi) of the air, and puts a small amount of oil into the air so you never need to oil it.

**FH1115**

## **B** Air Regulator

All of our air-powered tools should be operated at no more than 90 psi. The nice thing about this regulator is that you cannot set it higher than 100 psi.

**RR354**

## **C** Inline Air Tool Oiler

All of our air tools should be oiled after every use, but most people do not remember to do this. The Air Tool Oiler will remember for you. Place it permanently in your air tool line, fill it with oil, and it puts a fine mist of oil into your tool when it is running.

**FM1120**

## **D** 20' Air Reel Hose With Mounting Brackets

The air reel hose comes with all mounting hardware and will swivel around to mount in any position.

**FI1116**

## **E** Air Tool Oil

To take proper care of an air tool you must have an inline oiler or put a few drops of oil in the tool after each use.

**ALM525**

## **F** 25' Rubber Air Hose

It is made of rubber with swivel fittings on each end.

**FJ1117**

## **G** 1/4" NPT Quick Coupler

**GU1162**

## **H** 1/4" NPT Male-Type Plug

**GV1163**

## **I** 1/4" NPT Female-Type Plug

**GW1164**

## **J** 1/4" NPT Connector

**GX1165**

## **K** Swivel Hose Connector

This handy little device will let your air hose swivel 360° horizontally around a vertical plane so the hose can point in any direction while the tool is operating.

**SA731**



## The Follex® System

### Lifts gaskets so you can paint under them

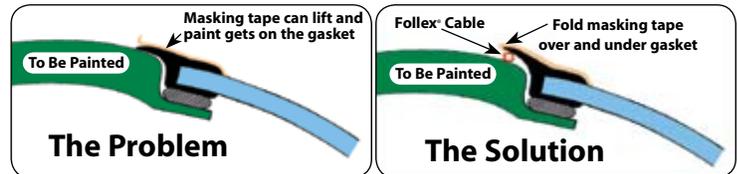
Use the Follex® System, and take the headache and heartache out of painting vehicles. You don't have to worry about perfect gasket masking, tape lifting, edge buildup, moulding damage, or wasting valuable time removing overspray. The specially-designed insert tool lifts the gasket and allows you to easily insert the Follex® cable. Next, fold tape over and under the gasket's edge. After painting the vehicle, allow it to dry and then remove the tape and Follex® cable. The gasket resumes its original position overlapping the newly painted metal, to give the vehicle that "never been repainted" look.



## Deluxe Follex® Kit

The Deluxe Follex® Kit contains five boxes of cable with a range of sizes to allow you to lift the gasket on most vehicles. Four sturdily-made cable insert handles allow you to work around windshields, back glasses, and side glasses. WK27 Deluxe Kit includes: 550' of 3/32"-diameter cable; 400' of 1/8" diameter cable; 325' of 5/32" diameter cable; 250' of 3/16" diameter cable; 200' of 1/4" diameter cable. It also includes two different tools for installing all five sizes of cable around the windshields and back glasses, two different tools for installing all five sizes of cable around quarter glasses and belt mouldings, and one wall-mountable dispensing rack made of durable metal.

### WK27 • Deluxe Kit



WK27

## Standard Kit

We recommend the Standard Kit if you have a small shop or want to see what Follex® will do without investing in the more expensive Deluxe Kit. WK26 Standard Kit includes: 400' of 1/8" diameter cable; 325' of 5/32" diameter cable; 250' of 3/16" diameter cable; one tool for installing cable around windshields and back glasses; and one tool for installing cable around quarter glasses and belt mouldings.

### WK26 • Standard Kit



WK26

## Starter Kit

Many of you have tried Follex® and are very happy with the results, but we realize new customers may not want to invest \$359.95 in an item they are not familiar with. The Starter Kit is our way of inviting you to try Follex® without a large investment. The WK25 Starter Kit contains: 400' of 1/8" diameter cable; 325' of 5/32" diameter cable; and one tool for installing cable around windshields and back glasses.

### WK25 • Starter Kit



WK25

## Follex® Cable Insert Handles

Follex® Cable Insert Handles are manufactured specifically to be used with Follex® cable. WK42 is used to insert the cable around windshields and back glasses. It fits cable sizes 3/32", 1/8" and 5/32". WK43 is used to insert the larger cable around windshields and back glasses. It fits cable sizes 3/16" and 1/4". WK44 is used to insert the cable around quarter glasses and belt mouldings. It fits cable sizes 3/32", 1/8" and 5/32". WK45 is used to insert the larger cable around quarter glasses and belt mouldings. It fits cable size 3/16".

### WK42

### WK43

### WK44

### WK45

Replacement boxes of cable		
3/32"	550 ft.	WK37
1/8"	400 ft.	WK38
5/32"	325 ft.	WK39
3/16"	250 ft.	WK40
1/4"	200 ft.	WK41





# Equalizer® Apparel



### The Equalizer® Ball Cap

Crafted of quality materials, this 6 panel cap features a pre-formed visor and a Velcro® enclosure for easy adjustment. Designed in our signature red color, this cap has a black embroidered Equalizer® logo across the front. Made in the USA.

**ETS776**

### The Equalizer® Classic Visor

If you play tennis, golf or just appreciate a quality visor for those bright outdoor activities, this your visor. Available in red or white with a pre-formed visor and a Velcro® enclosure on the back for easy adjustment. The red visor has a white embroidered Equalizer® logo across the front. The white features a red logo. Made in the USA.

**ERV775 • Red Visor • ENV776 • White Visor**

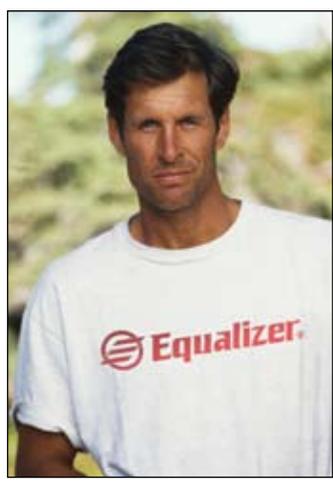


### The Equalizer® Polo Shirt

These are great shirts for the course or when you are headed out for the night. Crafted from an athletic-mesh texture that allows moisture to escape keeping you nice and dry. Red with a black-tipped collar and a black Equalizer® logo embroidered on the left chest.

Available in S to XL. Made in the USA.

**WPS464**



T-Shirt ships in compressed packaging.



### The Equalizer® T-Shirt

The Equalizer® logo is silk-screened across the front of this 100% cotton shirt . Available in S to XXL. Made in the USA.

**ETS260**



### The Equalizer® On-The-Go Shirt

Wear these shirts anywhere. Crafted from 100% cotton, these shirts are black and feature a red Equalizer® logo embroidered on the left chest. The mens feature wrinkle-free, button-down styling and the ladies style can be worn for light exercise or as part of a casual outfit and are designed to be worn untucked. Mens sizes are available in S to XXL. Ladies sizes are available in S to 3XL. Made in the USA.

**BBS460 • Mens**

**WTS440 • Womens**

### The Equalizer® Camo Cap

Designed with Mossy Oak® Obsession™ patterns, this structured, sanded twill front cap has camouflage sides and back, a precurved visor and a plastic snap closure. The Equalizer® logo is embroidered across the front. Made in the USA.

**ECC462**



### The Equalizer® Camo Jacket

Designed with a Realtree Hardwoods® pattern, this water repellant brushed twill jacket has a zip front with storm flap; hood with drawstrings and double entry bellows pockets. The Equalizer® logo is embroidered across the front. Available in sizes M to 3XL. Made in the USA.

**ECJ463**

# Equalizer® Branded Items



## Equalizer® Wall Clock

Tired of always looking for our telephone number? With our 11" wall clock, you will never have to look for it again. Quality quartz movement, "silver" frame, and a lifetime warranty. "AA" battery included. Made in USA.

**EWC831**



## Stainless/Acrylic Equalizer® Wave Tumbler

When you are on the road you need something to hold your drinks that will not spill. Our wave tumbler has a spill-resistant lid and holds 16 ounces.

**EWT465**



## Ink Pen

The next time you place an order, just ask for a free ink pen and we will drop one in the box for you. *Remember, if you do not place an order, we will not send you a pen.*

**Ink Pen**



## Koozie

The next time you place an order, just ask for a free koozie and we will throw one in the box. *Remember, if you do not place an order, we will not send you a koozie.* Oh, by the way, the Dr. Pepper is not included.

**Koozie**



## Sunglasses

The next time you place an order, just ask for a free pair of sunglasses and we will put a pair in the box for you. Be aware they are not safety glasses, but sunglasses. *Remember, if you do not place an order, we will not send you a pair of sunglasses.*

**Sunglasses**



## Letter Opener

Now that you have your business running well and you have all of those checks coming in you need a letter opener that will stand up to some serious letter opening and this one will. *Remember, if you do not place an order, we will not send you a letter opener.*

**Letter Opener**



## Key Chain Tape Measure

When you need a tape measure you never seem to have one. That problem will be cured with the Equalizer key chain, tape measure. You always know where your keys are so you will always have a tape measure. The tape is spring loaded and 60 inches long. The back side is calibrated in millimeters. *Remember, if you do not place an order, we will not send you a key chain tape measure.*

**Key Chain Tape Measurer**



## Mouse Pad

Keep Equalizer's web address and our toll free telephone number at your fingertips with this high-quality mouse pad. It will work any type of mouse. *Remember, if you do not place an order, we will not send you a mouse pad.*

**Mouse Pad**





# Your Local Equalizer® Store Has What You Need, Right Now!



GET THIS NOW AT YOUR LOCAL Equalizer STORE

SEE PAGES 2 & 3

The items listed below are included in the inventory of every Equalizer® Store. There are now over 200 Equalizer® Stores located across the USA. You can refer to page 3 to locate the Equalizer® Store nearest you. You can also view a detailed nationwide listing by visiting [www.equalizerstore.com](http://www.equalizerstore.com).

## INDEX BY PART NUMBER

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
21600.....	58	EM415.....	6	QS359.....	33
51844.....	21	ES1406.....	13	RHR584.....	68
51845.....	21	ESB1304.....	12	RLE1404.....	13
51847.....	20	ESB1308.....	12	RMI309.....	54
51848.....	20	ESB1312.....	12	RS1389.....	70
51849.....	20	FCS293.....	37	RT752.....	111
51851.....	20	FL203.....	105	RT753.....	111
51854.....	20	FMR482.....	52	RTL895.....	111
AJL226.....	33	GCC506.....	70	RU1391.....	112
ASW576.....	65	GK380.....	24, 29	RVR240.....	54
BDA251.....	114	GM602.....	52	RW1393.....	69
BFE1400.....	13	GU397.....	81	SC170.....	43
BFE1401.....	13	IHW716.....	42	SC300.....	40
BFE1420.....	13	ISH691.....	110	SC301.....	41
BFS1421.....	13	IW1214.....	60	SC532.....	35
BFS1422.....	13	JP685.....	70	SCR696.....	63
BT590.....	63	JV1146.....	85	SFE329.....	15
CCR819.....	57	LBE1402.....	13	SNR362.....	65
CJ1065.....	71	LBE1403.....	13	SR1418.....	7
CRB548.....	70	LGM207.....	112	TCR370.....	60
CRB549.....	70	LRR243.....	53	TPE657.....	57
CRT250.....	63	LS758.....	112	TWR609.....	56
CS1075.....	78	LSW583.....	65	UKB498.....	35, 37
CTD607.....	57	MB743.....	52	ULB582.....	36
CTK382.....	24	MB744.....	52	VNT306.....	77
CZ444.....	62	MBR600.....	52	VZB10.....	30
DD1086.....	36	MCA265.....	84	WH745.....	69
DEC381.....	60	MR747.....	60, 72	WP534.....	56
DPO585.....	68	MT690.....	67	WP738.....	42
DTE1000.....	9	NCT308.....	78	WPL833.....	42
DUR748.....	62	NPS893.....	42	Z1.....	30
DWP171.....	56	NTL348.....	77	Z2.....	30
DZ623.....	65	NY1246.....	41	Z3.....	30
ECT113.....	8	NZ1347.....	41	Z4.....	30
EEB793.....	12	PG295.....	64	Z5.....	30
EEB795.....	12	PH1355.....	62	Z6.....	30
EEB797.....	12	PJ1257.....	59	Z7.....	30
EES804.....	12	PRT305.....	61	Z8.....	30
EES808.....	12	PSR253.....	57		
EES812.....	12	QS358.....	33		

# Find It Quick At The Equalizer® Store



Each Equalizer® Store has four numbered panels, each with their own stock of Equalizer® products. Below is a chart that will help you locate the product you are looking for based on this panel number. Pick your product, swing by your local Equalizer® Store, find the panel number, and the product you are looking for will be right there. Buy it and get on with your work. It's that easy!

Panel number located on the pegboard under the Equalizer® sign



## INDEX BY PANEL

### Panel 1

AJL226	IHW716	NZ1347	SFE892
BFE1400	LBE1402	QS358	UKB498
BFE1401	LBE1403	QS359	ULB582
CTK382	MB743	RLE1404	VZB10
DD1086	MB744	SC170	WP738
DTE1000	MBR600	SC300	WPL833
FCS293	NPS893	SC301	Z8
GK380	NY1246	SC532	

### Panel 2

ASW576	CRB549	GU397	SFE329
BFE1420	CRT250	JP685	SNR362
BFS1421	CZ444	LRR243	SR1418
BFS1422	DPO585	LSW583	WH745
CCR819	DZ623	RHR584	
CJ1065	ES1406	RS1389	
CRB548	GCC506	RW1393	

### Panel 3

BT590	EEB797	GM602	RVR240	Z3
CTD607	EES804	IW1214	SCR696	Z4
DEC381	EES808	MR747	TCR370	Z5
DUR748	EES812	PH1355	TPE657	Z6
DWP171	ESB1304	PJ1257	TWR609	Z7
ECT113	ESB1308	PRT305	WP534	
EEB793	ESB1312	PSR253	Z1	
EEB795	FMR482	RMI309	Z2	

### Panel 4

21600	51854	LGM207	RT752
51844	BDA251	LS758	RT753
51845	CS1075	MCA265	RTL895
51847	EM415	MT690	RU1391
51848	FL203	NCT308	VNT306
51849	ISH691	NTL348	
51851	JV1146	PG295	



## Your Shipping Options...



**Tim Matthews**  
Production Manager

**Ron Dadey**  
Shipping Manager

**Ron Wright**  
Purchasing Manager

Great care is taken to package your order safely and assure arrival in a timely manner. Please allow at least 5-7 business days from time of shipment for regular (non-expedited) shipments to arrive at destinations 1000 miles from Central Texas. Destinations closer than 1000 miles should arrive sooner.

It is our policy to prepay and add the shipping costs to your order. Shipping options for this service are **DHL, FedEx, UPS Regular Ground, UPS Next Day, UPS Next Day Early A.M. (not available to all locations), UPS Next Day Saver, UPS Second Day Air, UPS Second Day Air A.M., UPS Three Day Select, UPS Saturday Delivery (not available to all locations).**

We can charge to your carrier account (third party or consignee billing). Consignee billing is available with **UPS, DHL, FedEx, and others**, but a handling fee **may be charged**.

# Index By Part Number



Part No.	Description	Page No.	Part No.	Description	Page No.	Part No.	Description	Page No.
1102001	Moulding Clip	90, 91	7001M	Ultra Wiz™ Thin Blades, 3/4"	32	CH1064	Measuring Tape, 25'	116
1205001	Moulding Clip	90, 91	7002M	Ultra Wiz™ Thin Blades, 1"	32	CJ1065	Channel Bender	71
1401001	Moulding Clip	90, 91	7004M	Ultra Wiz™ Thin Blades, 1 1/2"	32	CK304	Cold Knife With Red Cover	24
2101036	Moulding Clip	90, 91	7101001	Cowl Fastener	92	CK51	Caulking Gun, 18 to 1	76
2101046	Moulding Clip	90, 91	75644	Sealstrip, 1/32"	115	CLC827	Converter	130
2102037	Moulding Clip	90, 91	8276	J-B Weld Kwik Cure	122	CLU573	UV Curing Light	130
2102038	Moulding Clip	90, 91	8280	J-B Weld Original	122	CRB548	Channel Cleaning Bit, 1/4"	70
2102039	Moulding Clip	90, 91	98027	Hex Keys, Metric	138	CRB549	Channel Cleaning Bit, 1/8"	70
2102042	Moulding Clip	90, 91	98057	Torx® Keys	138	CRT250	Door Panel Clip Removers	63
2102053	Moulding Clip	90, 91	98091	Hex Keys, Inches	138	CS1075	Nozzle Cutter	78
2102055	Moulding Clip	90, 91	AA1003	Zap-A-Gap™	121	CS789	Centerstart™	47
2102065	Moulding Clip	90, 91	AB1005	Zip Kicker™	121	CST522	EZ Popper	71
2106036	Moulding Clip	90, 91	ABT377	2-Drawer Toolbox	137	CT749	Clip Remover	61
2106038	Moulding Clip	90, 91	AC1006	Straight Glass Pliers	109	CTD607	Recessed Cowling Clip Remover	57
2106058	Moulding Clip	90, 91	AD1007	Drop Jaw Glass Pliers	109	CTK382	Economy Cold Knife	24
2106079	Moulding Clip	90, 91	AE1008	Clear Supercutter	109	CTM310	Christmas Tree Moulding Installer	50
2106102	Moulding Clip	90, 91	AEB403	Excalibur® Standard Kit	10	CTP556	Equalizer® Softie™	79
2109005	Moulding Clip	90, 91	AEB405	Excalibur® Deluxe Kit	10	CTR384	General Purpose Resin	130
2109008	Moulding Clip	90, 91	AEC606	12-Volt Battery Charger	74	CU1077	Dash Protector	36, 49
2109010	Moulding Clip	90, 91	AEG604	Cordless Caulking Gun	74	CWP289	Crash Wrap™	66, 102
21426	Fast Cure Epoxy Cups	115, 122	AEG605	Caulking Gun Battery Pack	74	CZ444	Clip-Zip™	62
21600	Antenna Removal Wrench	58	AF1009	Glass Cutters, Colors	109	DCR244	Door Panel Removal Tool	62
2206012	Moulding Clip	90, 91	AFH266	True Angle	84	DCT7800	Dremel Kit	132
2206061	Moulding Clip	90, 91	AG1010	Cutting Oil	109	DD1086	Long Serrated Utility Blades	36
2206062	Moulding Clip	90, 91	AH1011	Z-Proxy™	121	DDS267	Drum Sander With Cylinder	16, 45
2303003	Moulding Clip	90, 91	AHL818	Long Rubber Hook Tool	111	DEC381	Moulding Releaser	60
2304001	Moulding Clip	90, 91	AHT817	Rubber Hook Tool	111	DFM288	SucksToForget™	17
29015	10-Piece Midget Wrenches, Inches	136	AI1012	One Vacuum Cup	95	DGE100	Wire Guide	48
29019	10-Piece Midget Wrenches, Metric	136	AJ1013	Two Vacuum Cups	95	DH1090	Dri-Tones® Paper Towels	125
3005K	UltraWiz™ UltraOne Cold Knife	25, 28	AJL226	Adjustable Long Knife	33	DJ1091	Dri-Tones® Paper Towels, 10 Pkg	125
3007K	Quick Release Cold Knife	28	AKG26	26 To 1 Caulking Gun	75	DL1093	Lint-Free Wipes	125
3101001	Moulding Clip	90, 91	ALM525	Air Tool Oil	142	DM1094	Cotton Tipped Applicators	78, 124
3104001	Moulding Clip	90, 91	ALT379	6-Drawer Toolbox	137	DO1097	Twistable Head Rivet Tool	139
3104002	Moulding Clip	90, 91	ALW269	GripTite™ Aluminum	48	DP1098	Aluminum Rivets 1/8" x 1/4"	139
3104006	Moulding Clip	90, 91	AME134	Milwaukee® 12-Volt Caulking Gun	73	DPO585	Rivet Stem Remover	68
3208002	Moulding Clip	90, 91	APC830	Air Caulking Gun	75	DQ1099	Aluminum Rivet, 5/32" x 1/4"	139
3325	Loctite® Rearview Mirror Adhesive	55, 122	AS537	Clear Star® Adhesive Pads	130	DR1100	Aluminum Rivet, 3/16" x 1/4"	139
3346	Loctite® Adhesive Economy Pkg.	55, 122	ASP133	Sausage Pack Caulking Gun	73	DRG323	StopIt™ Glass Setting Strips	99
4237	High Heat Grease	71	AST378	3-Drawer Toolbox	137	DS1101	Aluminum Rivet, 1/8" x 1/2"	139
48590245	120-Volt Charger	73	ASW576	Retaining Nut Remover	65	DSD268	Drum Sander Abrasive Covers	16, 45
5103001	Setting Block	93	ATK658	Apprentice Technician Kit	117	DSR276	Damaged Screw Removers	104
51844	Oscillating Blade, 3-3/4" x 2"	21	AW1026	Angle Screwdriver	140	DT1102	Aluminum Rivet, 5/32" x 1/2"	139
51845	Oscillating Blade, 5" x 2 1/4"	21	AWC272	Equalizer® HotShot™	101	DTA1007	Express® 12-Volt	9
51846	Oscillating Blade, 5-1/2" x 2 1/2"	21	AX1027	Glass Cutters, Box of 6	109	DTE1000	Express® 120-Volt	9
51847	Powered Cold Knife Blade, 3/4"	19, 20	BAS550	Angle Screwdriver	140	DU1103	Aluminum Rivet, 3/16" x 1/2"	139
51848	Powered Cold Knife Blade, 1"	19, 20	BBS460	Equalizer® On-The-Go Shirt	144	DUR748	Door Upholstery Remover	62
51849	Powered Cold Knife Blade, 1-1/2"	19, 20	BCC278	Channel Cleaner	115	DW0242	24-Volt Express® Battery	8
51850	Pinch Weld Prep tool Blade, 1/2"	18, 20	BCF929	Filter for BES924 Vacuum Cleaner	119	DW0246	120-Volt, 1 Hour Charger	8
51851	Straight Offset Blade, 2-1/8"	18, 20	BDA251	Footloose® Gasket Tool	114	DW0249	12-Volt Automotive Charger	8
51852	Straight Non-Offset Blade, 1-1/8"	18, 20	BEM828	Bull's-Eye Maker	127, 128, 130	DW908	DeWalt® 18-Volt Heavy Duty Flashlight	NEW! 105
51853	Curved Offset Blade, 2-1/8"	18, 20	BES924	Vacuum Cleaner, 6-Gallon	119	DW919	DeWalt® 18-Volt Flexlight	NEW! 105
51854	Straight Offset Blade, 3-1/2"	18, 20	BFC81	Nozzle Cutter Package	78	DW9096XR	18-Volt Battery	8, 105
51855	Hooked Blade, 3/4"	19, 20	BFE1400	Express® Blade, 3" x 10"	13	DW9109	12-Volt Charger	8, 105
51857	Hooked Blade, 1-1/2"	19, 20	BFE1401	Express® Blade, 1-1/2" x 10"	13	DW9116	12-Volt Charger	8, 105
51858	Hooked Blade, 2-1/2"	19, 20	BFE1420	Express® Finger Blade	13	DW9117	120-Volt Charger, 15 Minute	8
51859	Hooked Blade, 3-1/2"	19, 20	BF928	Vacuum Filters For BVS925 & BES924	119	DWP171	Deluxe Wiper Arm Puller	56
51860	Depth Control Blade, 1/2"	21	BFS1421	Express® Spacer Blade, 1-1/2" x 10"	13	DZ623	MultiSpanner™	65
51861	Depth Control Blade, 3/4"	21	BFS1422	Express® Spacer Blade, 3" x 10"	13	EA665	Equalizer® Apron	125
51862	Depth Control Blade, 1"	21	BH1037	Scratch Awl	138	ECC462	Equalizer® Cammo Cap	144
51863	Depth Control Blade, 1-1/4"	21	BI1038	Diamond File, Fine & Coarse	16	ECJ463	Equalizer® Cammo Jacket	144
51864	Depth Control Blade, 1-1/2"	21	BMG466	Black Moulding Adhesive	NEW! 85	ECL784	Cutting Lubricant	14
51865	Depth Control Blade, 2"	21	BNP516	Wire Grabber Pliers	46	ECT113	Equalizer® Freedom, 120-Volt	8
51866	Curved Cutting Blade, 1-1/2"	18, 20	BNQ271	Quick Release Cold Knife	26	ECT115	Equalizer® Freedom, 12-Volt	8
5203001	Cowl Fastener	92	BR1046	Scrubs® In-A-Bucket	123	EEB793	Equalizer® 4" Blade	12
5304001	Setting Block	93	BS1047	5-Slot Redi Rack™	100	EEB793PKG	Equalizer® 4" Blade, Pkg of 5	12
5304002	Setting Block	93	BT1048	9-Slot Redi Rack™	100	EEB795	Equalizer® 8" Blade	12
5404001	Setting Block	93	BT590	Clip Remover	63	EEB795PKG	Equalizer® 8" Blade, Pkg of 5	12
5404002	Setting Block	93	BT634	Razorback™ Cleaning System	44	EEB797	Equalizer® 12" Blade	12
5404003	Setting Block	93	BT635	Below Fender Blade	44	EEB797PKG	Equalizer® 12" Blade, Pkg of 5	12
6102001	Cowl Fastener	92	BT636	Razorback™ Blade, 1/2"	44	EES804	Equalizer® 4" Sheath	12
6102005	Cowl Fastener	92	BT637	Razorback™ Blade, 3/4"	44	EES808	Equalizer® 8" Sheath	12
6102006	Cowl Fastener	92	BT638	Razorback™ Blade, 1"	44	EES812	Equalizer® 12" Sheath	12
6102011	Cowl Fastener	92	BT639	Razorback™ Blade, 1-1/4"	44	EFT116	Equalizer® Freedom, 120-Volt	8
6102018	Cowl Fastener	92	BV1050	9-Slot Van Redi Rack™	100	EFT117	Equalizer® Freedom, 12-Volt	8
6102019	Cowl Fastener	92	BVS925	Vacuum Cleaner, 1 x 1	119	EGK150	Ninja GT Deluxe Kit	23
6102020	Cowl Fastener	92	BW1052	Slick Eddie™	100	ENG149	Equalizer® Ninja GT	23
6103002	Cowl Fastener	92	BY1054	Power Bit Set	138	EM415	Equalizer® MagnumXP Standard Kit	6
6105001	Cowl Fastener	92	CB1057	Nitrile Gloves, Large	124	EM417	Equalizer® MagnumXP Deluxe Kit	6
6207002	Cowl Fastener	92	CC1058	Nitrile Gloves, X-Large	124	ENJ147	Ninja	23
700001	Mirror Button	55, 93	CC50	X-Tra Caulking Gun, 26 to 1	76	ENK148	Ninja Kit	23
700002	Mirror Button	55, 93	CCB491	Equinox® Drill Bits	128	ENL842	Ninja Blade, 1-1/2"	23
700003	Mirror Button	55, 93	CCG349	Cure Guard	130	ENO841	Ninja Blade, 1"	23
700004	Mirror Button	55, 93	CCR819	Cowling Clip Remover	57	ENT840	Ninja Blade, 3/4"	23
700006	Mirror Button	55, 93	CD1059	Carbide Scriber & Magnet	132	ENV776	Equalizer® Classic Visor, White	144
700008	Mirror Button	55, 93	CEL1477	Equalizer® Inverter	87, 133	EPB760	Phillips Magnetic 8" Screwdriver	141
700014	Mirror Button	55, 93	CEM1476	Equalizer® Inverter	6, 7, 133	EPB762	Phillips Insert Bit, #1	141
700015	Mirror Button	55, 93	CES1475	Equalizer® Inverter	133	EPB763	Phillips Insert Bit, #2	141
700023	Mirror Button	55, 93	CF1061	Mill File, 8"	16, 45	EPB764	Phillips Insert Bit, #3	141
700026	Mirror Button	55, 93	CFR383	Crack Filling Resin	130	EPS761	Phillips Magnetic Screwdriver, 11"	141



# Index By Part Number

Part No.	Description	Page No.	Part No.	Description	Page No.	Part No.	Description	Page No.
EQK425	Switchblade™ Deluxe Kit	26	GOR1206	Orange Glass Tape, 1-1/2"	89	LIQ2020	AEGIS™ Pit Fill Polymer	132
EQP2002	Windshield Rack, 20 Lite	101	GOR1221	Orange Glass Tape, 1-1/2"	89	LIQ2030	AEGIS™ Pit Polish	132
EQP2003	Windshield Rack, 30 Lite	101	GOR1224	Orange Glass Tape, 1-1/2"	89	LIQ5032	Scratch Removal Compound	97
EQR423	Switchblade™ Only	26	GOR1226	Orange Glass Tape, 1-1/2"	89	LJ1260	TopSTOPS™	96
EQS785	Pinchweld Prep tool Blade, 3/4"	43	GRP159	Rearview Mirror Removal Tool	54	LK1261	Universal Windshield Stops	96
ERV775	Equalizer™ Classic Visor, Red Or White	144	GT1161	Graphite	71	LL1262	Pinchweld Prep tool Blade, 5/8"	43
ES1406	Express™ Sheath	13	GU1162	NPT Coupler, 1/4"	142	LM1263	Pinchweld Prep tool Blade, 1/2"	43
ESB1304	Equalizer™ 4" Serrated Blade	12	GU397	Underside Moulding Installer	81	LN1264	TempSTOPS™ Stps & Tape	96
ESB1304PKG	Equalizer™ 4" Serrated Blade, Pkg of 5	12	GV1163	NPT M-Type Plug, 1/4"	142	LO1265	TempSTOPS™ Tape	96
ESB1308	Equalizer™ 8" Serrated Blade	12	GW1164	NPT F-Type Plug, 1/4"	142	LOC242	Loctite™ Threadlocker	104
ESB1308PKG	Equalizer™ 8" Serrated Blade, Pkg of 5	12	GWH366	WireGuard™	49	LP1266	Cold Knife Cover Kit, Green	24
ESB1312	Equalizer™ 12" Serrated Blade	12	GWT558	The Assistor™	29	LQ1267	Cold Knife Cover Kit, Yellow	24
ESB1312PKG	Equalizer™ 12" Serrated Blade, Pkg of 5	12	GX1165	NPT Connector, 1/4"	142	LR1268	Cold Knife Cover Set	24
ESC780	Sheath Cleaning Container	14	H538	Clear Star™ Hose, 30"	130	LRR243	Lexus Rearview Mirror Tool	53
ESG735	Safety Glasses	103	HB5	Olfa™ Blade	39	LS1269	Universal Bottom Channel	114
ESK518	Equalizer™ Raven™	19	HCC447	Honda Civic Clip Tool	58	LS758	Locking Strip Tool	112
ESK520	Equalizer™ Falcon™	18	HDK629	Windshield Stand, Self-Assemble	94	LSG734	Safety Gloves	118
ESM517	Equalizer™ Raven™ with one Talon™ blade	19	HDS661	Windshield Stand, Heavy-Duty	94	LSW583	Retaining Nut Remover	65
ESM519	Equalizer™ Falcon™ with one Talon™ blade	18	HDW3000	Mylar Squares	132	LT1270	Hookup Wire For Inverters, 8'	6, 7, 87, 133
ESM911	Two Vacuum Cups	95	HDW4000	Polishing Assembly	132	LTB275	Diamond File, Coarse	15, 45
ESS766	29-Piece Screwdriver Set	141	HE373	Heating Element	87	LTR274	Diamond File, Fine	15, 45
ET105B	Economy Mouldings, 5/8"	83	HET544	The Expander™	51	LTS595	Pinchweld Prep tool, Red Handle, 3/4"	43
ET105BFL	Economy Mouldings, 5/8"	83	HFW449	Stayput™ Door Glass Holder	69	LU1271	Arm Protectors	120
ET107B	Economy Mouldings, 3/4"	83	HGS353	HeatWave™ 120-Volt Heat Gun	87	LV1272	Long Nose Rivet Tool	139
ET107BFL	Economy Mouldings, 3/4"	83	HM374	Hygrometer/Thermometer	80	LWB489	UV Light	128
ET108B	Economy Mouldings, 1"	83	HP2331	Heavy-Duty 3-Drawer Tool Box	120, 139	LWH200	GridTite™	48
ET109B	Economy Mouldings, 1-1/4"	83	HPR821	Rivet Setting Tool	69	LY1275	Radius Patterns	116
ETS260	Equalizer™ T-Shirt	144	HPS907	Sausage Pack Caulking Gun	75	M20100	Conductive Epoxy	59
ETS6602	Equalizer™ TimeSaver™	22	HR822	Short Rivets, Box of 100	69	M20102	Defroster Repair Solder	59
ETS776	Equalizer™ Ball Cap	144	HR823	Long Rivets, Box of 100	69	MA1277	Cold Knife With Yellow Cover	24
EWCC831	Equalizer™ Wall Clock	145	HRT367	Hose Removal Pliers	72	MB1278	Cold Knife With Green Cover	24
EWT465	Equalizer™ Wave Tumbler	145	HST212	Setting Stick™	98	MB743	Mirror Bracket Wrench	52
FA162	Fastener Assembly	32	HTS923	Small Hook & Pick Set	58	MB744	Mirror Hex Wrench	52
FCS293	Equalizer™ Quickchange Knife	37	HZ1193	Statpower™ PROsine™	133	MBD137	12-Volt Charger	73
FGS132	Kool Safety Glasses, Gray	103	I0134	AME134 Replacement Barrel	<b>NEW!</b> 73	MBE135	12-Volt Battery For AME134	73
FH1115	Air Control Unit	142	IO604	Barrel For AEG604 Caulking Gun	74	MBK973	Combination Mixing Cups & Sticks	121
FI1116	Reel Hose W/Brackets, 20'	142	I3038	Pliers	138	MBR600	Mirror Torx™ Wrench	52
FIX2005	Standard Fixture, 3/8"	132	I3108	T-Handle Hex Wrench, 1/8"	140	MC1279	Covered Cold Knife Set	24
FJ1117	25' Rubber Air Hose	142	I4301	Channel Locks	138	MCA265	Standard Moulding Maker	84
FL203	FlexLight	105	I4830	Platform Assembly	128	MCR633	Clip Fork Clip Remover	<b>NEW!</b> 60
FLB232	FlexLight Bulb, Shaft Assy.	105	IBV	Injector	130	MCS722	Mixing Cups	121
FM1120	Air Tool Oiler	142	IHW716	Pinchweld Prep tool, 1-1/2"	42	MD1280	Universal Bottom Channel Attachments	115
FMR482	Rearview Mirror Remover	52	INJ581	Clear Star™ Injector	130	ME1281	Frit Paint Marker	79
FP705	40-Piece Screwdriver Set	141	IO604	Barrel for AEG604 Caulking Gun	74	MG1282	Rivet Removing Kit	68
FQ1124	Windshield Repair Mirror	132	IQ1209	Quick-Change Blade Knife	37	MHR668	Headliner Clip Remover	72
FR1	Flow Regulator	130	IR1210	Dominator™ Retractable Blade Knife	38	MK201	Lock Out Kit	72
FSG130	Kool Safety Glasses, Clear	103	IS742	Installation Sticks	110	MKC302	Cold Knife Cover Kit, Red	24
FSL282	Front Seat Mask	107	ISH691	Installation Stick Handle	110	ML1287	Wiggleglstick™	62
FTF399	F150 Ford Clip Remover	<b>NEW!</b> 115	ISK484	Injector Seal Kit	128	MMS770	Eye Spy Glass Setting Tool	99
FTO1111	Fletcher Glass Cutter	108	IW1214	Moulding Release Tool	60	MQ1292	Locking Tool, Self Locking Gaskets	113
FTO1112	Fletcher Glass Cutter, Box of 12	108	IWH692	Installation Stick W/Handle	110	MR1293	Locking Tool, Self Locking Gaskets	113
FTO1118	Fletcher Glass Cutter	108	IX1215	Curing Lamp	132	MR747	Moulding Release Tool	60, 72
FTO1119	Fletcher Glass Cutter, Box of 12	108	IZ1217	Kevlar™ Gloves, Large	118	MS492	Mylar Squares	128, 130
FTO1213	Fletcher Glass Cutter	108	JA1218	Kevlar™ Gloves, X-Large	118	MS496	Mini-Scrapers	38
FTO1214	Fletcher Glass Cutter, Box of 12	108	JB1219	SAS Stinger Safety Glasses, Blue	103	MSE723	50 Mixing Stick	121
FTO1219	Fletcher Glass Cutter	108	JC1220	SAS Stinger Safety Glasses, Clear	103	MST138	Sausage Pack Conversion Kit	73
FTO1220	Fletcher Glass Cutter, Box of 12	108	JCS452	Compact C-Clip Remover	<b>NEW!</b> 61	MT1295	Narrow Nose Hook Tool	111
FTO1702	Fletcher Glass Cutter	108	JD1221	Custom Installation Sticks	110	MT690	Telescopic Pocket Magnet	67
FTO1711	Fletcher Glass Cutter	108	JMH258	CurvePro™ Hold Down System	86	MTK659	Master Technician Kit	117
FTO1826	Fletcher Glass Cutter	108	JN1130	T-Handle Centerstart™	47	MU1296	Banana™ Knife, Retractable	37
FTO1827	Fletcher Glass Cutter	108	JP685	Window Guide Pliers	108	NCT308	Nozzle Cutter	78
FTO6112	Fletcher Glass Pliers	109	JQ1141	Urethane Plug Puller	80	NEC398	Power Advance Cold Knife	27
FTO9541	EnviroGOLD™ Glass Cutting Fluid	108	JSK257	PowerPull™ With Cold Knife	29	NLD459	Ultrasonic Leak Detector	106
FV1128	Heat Gun	87	JST296	PowerPull™ Cold Knife Puller	29	NMT448	Mechanical Pick-UP	67
FWC931	120-Volt Charger	74	JT1144	SUPERWEDGE™	51	NN1335	PipeKnife™ XL	34
GAC245	Deluxe Moulding Maker	84	JV1146	RollOn™ Moulding Installer	85	NO1336	Foam Core Butyl, 6x7 mm	88
GBM446	PryBaby™ Prying Sticks	66	JW1147	QuickSTOPS™	96	NP1337	Foam Core Butyl, 8x8 mm	88
GBT284	Premium Masking Tape	88	JY1225	Daubers, Pkg of 100	78, 124	NPS893	Pinchweld Prep tool, 1/2"	42
GBT285	Premium Masking Tape	88	JZ1226	Daubers, Pkg of 1000	78, 124	NPT1042	OmniSystem™ Paper Towels	125
GBT286	Premium Masking Tape	88	KAT1227	WiperClamps™	58	NS1340	10-Piece Combo Wrench Set	136
GBT287	Premium Masking Tape	88	KB1228	Rubber Setting Blocks	97	NS362	NeckSavers™	51
GC1144	PipeKnife™	34	KEU451	Squeeze PLUG™	<b>NEW!</b> 74	NSE825	5-Slot Glass Rack	100
GC905	Caulking Gun, 18 to 1	75	KIT1044	AEGIS™ Sun Screen UV Blocker	132	NSE826	9-Slot Glass Rack	100
GCC506	Glass Run Channel Cleaner	70	KIT1500	AEGIS™ Advantage Kit	129	NT1341	14-Piece Metric Wrench Set	136
GCL0200	Clear Glass Tape, 2"	89	KIT1650	AEGIS™ Quik Kit	129	NTH1041	OmniSystem™ Dispenser	125
GCL1200	Clear Glass Tape, 1-1/2"	89	KIT1810	Scratch Removal Kit	97	NTL348	Up-A-Notch™	77
GCL1224	Clear Glass Tape, 1-1/2"	89	KOR932	O-Ring Seals	128	NU1342	9-Piece Short Wrench Set	136
GD1145	PipeKnife™ Clamp & Screw	34	KV475	Vacuum Cup	128	NV1343	13-Piece Short Wrench Set	136
GEZ543	Glass Handlers Kit	98	LB21	Olfa™ Blades	39	NWB365	Pinchweld Cleaner	44
GHB559	Magnetic Glove Dispenser	124	LB779	The Pumper™	51	NY1246	SuperScaper™ Blades, 5/8"	41
GK1152	3-Pocket Tool Pouch	52, 108	LBE1402	Express™ Blade, 3"x 12"	13	NZ1347	SuperScaper™ Blades, 3/4"	41
GK380	Standard Cold Knife	24, 29	LBE1403	Express™ Blade, 1-1/2"x 12"	13	OH1	Olfa™ Knife	39
GL1153	12-Volt Urethane Heater	76	LCK645	Loop Handle W/Cold Knife	25	OLF20	Olfa™ Breakaway Point Knife	39
GM602	Mirror Bracket Wrench	52	LE1254	Set of Pinchweld Prep tools	43	P536	Clear Star™ Pedestals	130
GMK724	Miniature Screwdriver Set	<b>NEW!</b> 104	LFK546	Loop Handle For Cold Knife	25	PA1348	Locking Strip Tool	112
GNK571	Squeeze™ Knife	38	LG1257	Pattern Making Pencil	116	PAB340	Equalizer™ Extension, 1/4" x 3"	137
GOR0200	Orange Glass Tape, 2"	89	LGM207	GM Locking Strip Tools	112	PAC341	Equalizer™ Extension, 1/4" x 6"	137
GOR0201	Orange Glass Tape, 2"	89	LH1258	Pinchweld Prep tool, Yellow Handle, 1/2"	43	PAE342	Equalizer™ Extension, 3/8" x 3"	137
GOR0206	Orange Glass Tape, 2"	89	LI1259	Pinchweld Prep tool, Green Handle, 5/8"	43	PAF343	Equalizer™ Extension, 3/8" x 6"	137
GOR1200	Orange Glass Tape, 1-1/2"	89	LIQ2010	AEGIS™ Polymer	132	PAH344	Equalizer™ Nut Driver	137
GOR1201	Orange Glass Tape, 1-1/2"	89	LIQ2015	AEGIS™ Crack Filler	132	PB1349	Tech-Wipes™	123

# Index By Part Number



Part No.	Description	Page No.	Part No.	Description	Page No.	Part No.	Description	Page No.
PDG922	Drill Guide	68	S767	Magnetic Screwdriver Shank, 5"	141	TWH500	TightWire™ Grips	48
PG295	Clip Installer	64	S768	Magnetic Screwdriver Shank, 8"	141	TWK202	TightWire™ Start-Up Kit	46
PH1355	Curved Door Upholstery Remover	62	SA731	Swivel Hose Connector	142	TWK502	TightWire™ Start-Up Kit	46
PHP578	GripShield™	32	SB531	Pinchweld Prep tool, 3/4"	43	TWR609	Windshield Wiper Arm Remover	56
PHT318	Moulding Hold Down Tool	50, 86	SB727	Solid Blades	39	UCC320	U-Groove Tool Without Handle	50
PI1256	Clip Removing Pliers	61	SBL783	Spray Bottle, 16 oz	125	UCH319	U-Groove Tool W/ Handle	50
PJ1257	Gas Lifter Lock	59	SBN5311	Pinchweld Prep tool, 5/8"	43	UCL322	Large U-Groove Blade	50
PMO299	Prepmaster Pinchweld Tool	41	SBS5312	Pinchweld Prep tool, 1/2"	43	UCS321	Small U-Groove Blade	50
PN1000	UltraWiz™ Cold Knife Blades, 3/8"	31	SBS5732	Spray Bottle, 8 oz	125	UF574	Bulb For UV Light	130
PN1001	UltraWiz™ Cold Knife Blades, 3/4"	31	SBT5350	Pinchweld Prep Tool Set	43	UKB498	Utility Knife Blades	35, 37
PN1002	UltraWiz™ Cold Knife Blades, 1"	31	SBX2010	Quad Rings, 3/8"	132	ULB582	Long Utility Blades	36
PN1003	UltraWiz™ Cold Knife Blades, 1-1/4"	31	SBX2016	Quad Rings, 3/16"	132	UMA297	MouldingMaker™ Adhesive	85
PN1004	UltraWiz™ Cold Knife Blades, 1-1/2"	31	SBX2030	Resin Dispensing Pack	132	USK663	Swivel Open Utility Knife	37
PN1022	UltraWiz™ Moulding Saver Blade	31	SC170	Wide Pinchweld Prep tool	43	UTG450	Urethane Depth Gauge	79
PN2002	UltraWiz™ 2-Handed Cold Knife	28	SC300	SuperScraper™	40	UTH577	Urethane Tube Holder	80
PN3001K	UltraWiz™ Cold Knife	28	SC301	SuperScraper™ Blades	41	UTO539	Urethane Tube Opener	79
PN3010RK	UltraWiz™ Cold Knife Handle	28	SC532	Equalizer™ Sabre™	35	UV24DX	Mobile Windshield Repair System	131
PN4008L	UltraWiz™ Urethane Cutting Knife	35	SCN427	Shorty™ Cold Knife	25	UV528	Clear Star Windshield Repair Kit	130
PN4013	UltraWiz™ Urethane Cutting Knife	35	SCR696	Door Upholstery Remover	63	VBA1443	Equalizer™ Velocity™ Bridge	<b>NEW!</b> 127
PN4018	UltraWiz™ Urethane Cutting Knife	35	SCS775	Sheath Cleaner	14	VCB1454	Equalizer™ Velocity™ Cleaning Solution	<b>NEW!</b> 127
PN5001	UltraWiz™ Ultrathin Blades, 3/4"	31	SFE329	Express™ Blade Sharpener	15	VCB1461	Cleaning Brush	<b>NEW!</b> 127
PN5002	UltraWiz™ Ultrathin Blades, 1"	31	SFE892	Pinchweld Scraping Tool, 1/2"	42	VCD1464	Carbide Drill Bits (5)	<b>NEW!</b> 127
PN5003	UltraWiz™ Ultrathin Cold Knife Blades, 1-1/4"	31	SG1410	Thickster™ Latex Gloves, Large	124	VCA460	Equalizer™ stepUP™	102
PN5004	UltraWiz™ Ultrathin Blades, 1-1/2"	31	SGT364	ScrewGrab™	104	VCS914	Wood's Vacuum Cups, Pair	95
PN5004	UltraWiz™ Ultrathin Blades, 1-1/2"	31	SH1411	Thickster™ Latex Gloves, X-Large	124	VDK613	Equalizer™ Velocity™ Deluxe Kit	<b>NEW!</b> 126
POLY2	SuperSoaker™ Spray	14	SHC441	Tech-Clean™	123	VDV1458	Equalizer™ Velocity™ DVD	<b>NEW!</b> 127
PQ1362	Moulding Retention Tape, Black, 2"	89	SHS792	Sharpening Stone	15	VFL1463	LED Flashlight	<b>NEW!</b> 127
PR1363	Moulding Retention Tape, Silver, 1-1/2"	89	SI1412	PipeKnife™ With Covered Handle	34	VHA1466	Hose Assembly	<b>NEW!</b> 127
PRL336	Equalizer™ Ratchet, 3/8"	137	SJ1413	Neoprene Cover For Pipe Knife	34	VHC913	Wood's Vacuum Cup	95
PRM338	Equalizer™ Ratchet, 3/8"	137	SK1414	PipeKnife™ XL W/ Covered Handle	34	VHO1469	Hose Only	<b>NEW!</b> 127
PSR337	Equalizer™ Ratchet, 1/4"	137	SK345	SuperScraper™ Kit	40	VIA1444	Equalizer™ Velocity™ Injector	<b>NEW!</b> 127
PRT305	Pin Removal Pliers	61	SKE291	Prepmaster Pinchweld Kit	41	VML1451	Medium Viscosity Resin 1 oz	<b>NEW!</b> 127
PS1364	Moulding Tape, Blue, 2"	89	SKG901	Nylon Caulking Gun	75	VMR1450	Medium Viscosity Resin .5 oz	<b>NEW!</b> 127
PS355	Pocket Screwdriver	53	SL488	Vacuum Cup Lubricant	128	VNL277	V-Notch™	77
PS356	Pocket Socket	140	SL493	Wheelstep™	102	VNS276	V-Notch™, Narrow Nose	77
PSM339	Ratchet 1/4"	137	SLC273	Bottom Channel	114	VNT306	Top Notch™ Tool	77
PSR253	Cowling Clip Remover	57	SLD351	LeakDoctor™	106	VOR1468	O-Ring Kit	<b>NEW!</b> 127
PT697	Gasket Locking Tool	113	SNR362	Saturn Nut Tool	65	VPA1445	Large Pit Adapter	<b>NEW!</b> 127
PTH326	90-Piece Pro Socket Set	134	SP1416	Equalizer™ Express™ Air™	11	VPF1452	Pit Filler Resin .5oz	<b>NEW!</b> 127
PTK324	41-Piece Pro Socket Set	134	SPE242	Spring Loaded Latch Release Utility Knife	<b>NEW!</b> 38	VPL1453	Pit Filler Resin 1 oz	<b>NEW!</b> 127
PTM327	112-Piece Pro Socket Set	135	SQK210	Squire™ Start-Up Kit	47	VPO1455	Pit Polish	<b>NEW!</b> 127
PTN325	66-Piece Pro Socket Set	134	SR1418	Equalizer™ Express™ 120-Volt	135	VPS1460	Probe	<b>NEW!</b> 127
PWB328	90-Piece Pro Toolbox Set	135	SRH707	Soft Rubber Hammer	116	VRM1467	Mirror	<b>NEW!</b> 127
PWM329	112-Piece Pro Toolbox Set	135	SSC209	Two Super Size Vacuum Cups	95	VS1470	Mylar Squares	<b>NEW!</b> 127
PX1368	Slip-N-Grip™ Seat Covers	107	SSW508	Squire™ Wire	47	VSK614	Equalizer™ Velocity™ Standard Kit	<b>NEW!</b> 126
PY1369	Slip-N-Grip™ Steering Wheel Covers	107	STC283	Steering Wheel Mask	107	VSR73	SideWinder™	49
PZ1370	Slip-N-Grip™ Floor Mats	107	SU1423	Scrubs Wall Mounting Rack	123	VTH1465	Torch	<b>NEW!</b> 127
QS358	Long Knife, 18"	33	SVB803	Olfa™ Silver Blades	39	VTL1449	Thin Viscosity Resin 1 oz	<b>NEW!</b> 127
QS359	Long Knife, 24"	33	SVE802	Olfa™ Silver Knife	39	VTP586	Paint Protector	120
RB1	Vibra-Knife Blade, 3/4"	33	SVR24	Re-Supply Pack, 24	131	VTRI1448	Thin Viscosity Resin .5 oz	<b>NEW!</b> 127
RB3	Vibra-Knife Blade, 1"	33	SVR48	Re-Supply Pack, 48	131	VUS1495	UV Shield	<b>NEW!</b> 127
RB361	Blade Clamp And Screw	33	SWC428	Shorty™ Cold Knife, Covered	25	VUV1447	UV Curing Light	<b>NEW!</b> 127
RB497	Razor Blades	39, 43, 80, 127, 132, 140	SWK202	Squire™ Start-Up Kit	47	VVL1456	Cup Lube	<b>NEW!</b> 127
RC1373	Kevlar™ Anti-Vibration Gloves, Medium	118	T100B	Moulding	83	VVP1466	Vacuum/Pressure Pump	<b>NEW!</b> 127
RCH163	Covered Pull Handle, Red	32	T101B	Moulding, 3/8"	83	VWB1462	Cleaning Brush	<b>NEW!</b> 127
RCH1631	Covered Pull Handle, Green	32	T105B	Moulding, 5/8"	83	VZB10	Z Blade Variety Pack	30
RCH1632	Covered Pull Handle, Yellow	32	T105BFL	Moulding, 5/8"	83	WB480	Moulding Cut-Off Blade	36
RCS294	PocketDoctor™ First Aid Kit	33	T107B	Moulding, 3/4"	83	WH745	Window Holders	69
RD1374	Kevlar™ Anti-Vibration Gloves, Large	118	T107BFL	Moulding, 3/4"	83	WK25	Follex™ Starter Kit	143
RE1375	Kevlar™ Anti-Vibration Gloves, X-Large	118	T108B	Moulding, 1"	83	WK26	Follex™ Standard Kit	143
RF1376	Leather Anti-Vibration Gloves, Medium	103, 118	T109B	Moulding, 1-1/4"	83	WK27	Follex™ Deluxe Kit	143
RF486	Pit Filler Resin	128	T110	Moulding, 3/4"	83	WK37	Follex™ Cable, 3/32", 550ft	143
RFM683	Christmas Tree Moulding Remover	50	T120	Chrome Moulding, 5/8"	83	WK38	Follex™ Cable, 1/8", 400ft	143
RG1377	Leather Anti-Vibration Gloves, Large	103, 118	T201	Underside Moulding	81	WK39	Follex™ Cable, 5/32", 325ft	143
RGC751	Rubber Gasket Cleaner	113	T202	Underside Moulding	81	WK40	Follex™ Cable, 3/16", 250ft	143
RGD490	Glass Drill W/Charger	127, 128	TA1424	Equalizer™ Express™	9	WK41	Follex™ Cable, 1/4", 200ft	143
RH1378	Leather Anti-Vibration Gloves, X-Large	103, 118	TB1425	Equalizer™ Express™	9	WK42	Follex™ Cable Insert Handle	143
RH161	Flexible Pull Handle	32	TCR370	Toyota/Honda Clip Remover	60	WK43	Follex™ Cable Insert Handle	143
RHB560	Wedgie™	64	TG1430	Magnetic Gloves, Large	67	WK44	Follex™ Cable Insert Handle	143
RHR584	Rivet Head Removal Bit	68	TGO431	TruGrit™ 12-Volt Grinder	15, 45	WK45	Follex™ Cable Insert Handle	143
RI1379	Mechanics Gloves, Medium	103, 118	TH1431	Magnetic Gloves, X-Large	67	WLG252	White Lithium Grease	71
RJ1380	Mechanics Gloves, Large	103, 118	THH312	Telescoping Hood Holder	59	WP534	Wiper Puller	56
RK1381	Mechanics Gloves, X-Large	103, 118	THM457	Mobile Vise	<b>NEW!</b> 101	WP738	Pinchweld Scraper	42
RL1382	HoodStop™	99	TJ1432	Speed Stops™	97	WPL833	Long Pinchweld Scraper	42
RLE1404	Express™ Blade, 3" x 14"	13	TL1434	Punchdrain	112	WPS464	Equalizer™ Polo Shirt	144
RM1309	Rearview Mirror Installer	54	TM1435	Quick Release Cold Knife	27	WR750	Wiper Remover	56
ROL220	Tool Roll	127	TN1436	Lexus Replacement Ball Bearings	53	WRC483	Kleer Vu™ Windshield Repair Kit	128
RR354	Air Regulator Assembly	142	TU1437	Pinchweld Cleaning Brushes	44	WS782	WireStarter™, 4"	46
RRF485	Windshield Repair Resin	128	TPE657	Clip Remover	57	WS782P	WireStarter™, 8"	46
RS1389	Short Glass Run Channel Cleaner	70	TQ1438	Pinchweld Prep tool Blades	41	WTS440	Equalizer™ On-The-Go Shirt	144
RSR941	Sharpening Tool	16, 45, 132	TR1439	Equalizer™ AccuSet™	<b>NEW!</b> 98	XL2	Olfa™ Knife	35
RT487	Roll of UV Tape	128	TS1440	AC/DC Vacuum Cleaner	<b>NEW!</b> 119	XSP3011	Caulking Gun, 26 To 1	76
RT752	Rope Insert Tool	111	TSB6603	TimeSaver™ Blades, 5"	22	Z1	Z Blade, 3/4"	30
RT753	Rubber Hook Tool	111	TSB6605	TimeSaver™ Blades, 5-1/2"	22	Z2	Z Blade, 1"	30
RTD499	Ratcheting Tie Downs	95	TSB6606	TimeSaver™ Blades, 6-1/2"	22	Z3	Z Blade, 1-1/2"	30
RTL895	Rubber Hook Tool	111	TSB6608	TimeSaver™ Blades, 8-1/2"	22	Z4	Z Blade, 3/4" Coined	30
RU1391	Locking Strip Tool	112	TSP292	TightSpot™ Paint Protector	17	Z5	Z Blade, 1" Coined	30
RVP476	Vacuum Pump	128	TU1441	Shakelite™	<b>NEW!</b> 105	Z6	Z Blade, 1-1/2" Coined	30
RVR240	Rearview Mirror Tool	54	TW1442	Equalizer™ HEADLIGHTS™	<b>NEW!</b> 64	Z7	Z Blade, 1-1/4"	30
RW1393	Window Things	69	TW72	TightWire™, 72' Roll	46	Z8	Z Blade, 1-1/4" Coined	30
RX1394	CanIT™ Can Organizer	139	TW72PKG	TightWire™, 10 Rolls	46			
RY1395	Defroster Repair Kit	59						

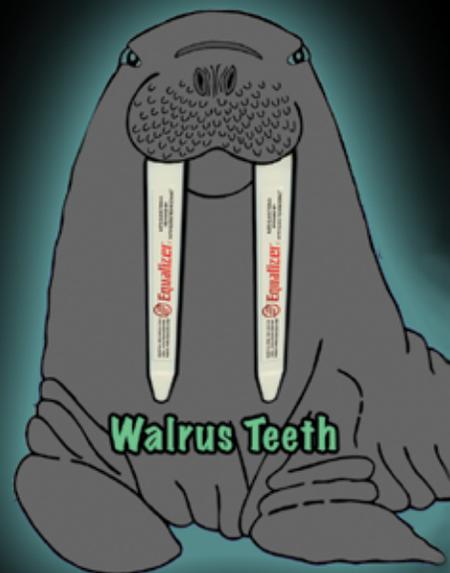


# Index By Category

Description	Page No.	Description	Page No.
<b>A</b>		<b>K</b>	
Adhesives .....55, 122		Knives, Breakaway .....39	
Air Tool Accessories ..... 142		Knives, Cold Knives ..... 24-32	
Antenna Removal.....58		Knives, Long Knives ..... 35, 36	
Aprons..... 125, 144		Knives, Utility.....37, 38	
Arm Protectors ..... 120		<b>L</b>	
Awls ..... 138		Leak Detectors..... 106	
<b>B</b>		Lock Out Kits .....72	
Batteries For Cordless Tools.....8, 73, 74, 105		Locking Strip Tools..... 112	
Battery Chargers for Cordless Tool Batteries .....8, 73, 74, 105		Loctite®..... 55, 122	
Blades, Breakaway .....39		Long Knives ..... 35, 36	
Blades, Cold Knife ..... 30-32		<b>M</b>	
Blades, Equalizer® .....12		Magnet, Telescoping .....67	
Blades, Equalizer® Express® .....13		Measuring Tape..... 116	
Blades, Equalizer® Ninja .....23		Mirror Buttons ..... 55, 93	
Blades, Equalizer® Oscillating..... 18-23		Moulding Clips ..... 90, 91	
Blades, Equalizer® Serrated .....12		Moulding Release Tools .....60	
Blades, Equalizer® Timesaver™ .....22		Moulding Tools and Accessories..... 84-86	
Blades, Long Knife ..... 35, 36		Moulding Tape .....89	
Blades, Pinchweld Prep Tool.....40-43		Mouldings ..... 81 - 83	
Blades, Razor ..... 39, 43, 80, 132, 140		<b>O</b>	
Blades, Urethane Cutting Knife ..... 33-35		Oil ..... 109, 142	
Blades, Utility Knife ..... 35, 37		<b>P</b>	
Breakaway Knives.....39		Paper Towels ..... 125	
<b>C</b>		Pattern Making Tools ..... 116	
Caulking Guns and Accessories ..... 73-79		Personal Safety Products ..... 103, 118, 120, 124	
Channel Cleaners ..... 115		Pin Removal Tools ..... 61	
Channels ..... 114, 115		Pinchweld Prep Tools ..... 40-44	
Cleaning Products..... 123, 125		Platforms ..... 102	
Clip Installation Tools.....64		<b>R</b>	
Clip Removal Tools ..... 60-63		Ratchets and Extensions..... 137	
Cold Knife Blades..... 30-32		Razor Blades ..... 39, 43, 80, 132, 140	
Cold Knives and Accessories ..... 24-32		Rearview Mirror Removal Tools..... 52-55	
Cotton Applicators and Daubers.....78, 124		Regulator For Air Tools ..... 142	
Cowl Fasteners .....92		Retaining Nut Tools .....65	
Cowling Clip Removal Tools ..... 57, 58		Rivet Removal and Installation Tools ..... 68, 69	
Cut-Out Wire and Accessories ..... 46-49		Rope Tools ..... 111	
Cutting Lubricant, Equalizer® ..... 14		Rubber Gasket Tools..... 113	
<b>D</b>		<b>S</b>	
Defroster Repair .....59		Scratch Awls ..... 138	
Door Panel Removal Tools ..... 62, 63, 66		Screwdrivers ..... 104, 141	
<b>E</b>		ScrewGrab™ ..... 104	
Epoxy ..... 115, 122		Setting Blocks .....97	
Equalizer® Apparel..... 144		Setting Tools ..... 98, 99	
Equalizer® Branded Products ..... 145		Sharpening Tools ..... 15, 45	
Equalizer® Express® Air .....11		Sheath Cleaner, Equalizer® .....14	
Equalizer® Express® Cordless ..... 9		Sheath Cleaning Container, Equalizer® ..... 14	
Equalizer® Freedom Cordless..... 8		Sheaths, Equalizer® .....12	
Equalizer® Magnum XP 120-Volt .....6		Sheaths, Equalizer® Express® .....13	
Equalizer® Auto Glass Adhesive Cut-out Knives .....18, 19		Socket and Wrench Sets ..... 134 - 136	
Equalizer® Excalibur® Air-Powered .....10		Stops ..... 102	
Equalizer® Express® 120-Volt..... 7		Stops ..... 96, 97	
Equalizer® Ninja Air-Powered Cold Knife .....23		<b>T</b>	
Equalizer® Timesaver™ Auto Glass Cut-out Knife .....22		Toolboxes ..... 120, 137	
Exterior Vehicle Protection ..... 120		Tool Kits ..... 117	
<b>F</b>		Tool Roll ..... 120	
FlexLight ..... 105		<b>U</b>	
Follex® ..... 143		Urethane Cutting Knives ..... 33-35	
<b>G</b>		Urethane Handling, Storage, Accessories ..... 76-80	
Gasket Tools ..... 113, 114		Utility Knives ..... 37, 38	
Glass Cutters and Accessories ..... 108, 109		<b>V</b>	
Glass Racks..... 100, 101		Vacuum Cleaners..... 119	
Glasses, Safety..... 103		Vacuum Cups .....95	
Gloves ..... 103, 118		Velocity® ..... 126, 127	
Graphite.....71		<b>W</b>	
Grease.....71		Window Guide Removal Tools.....65	
<b>H</b>		Windshield Racks and Storage ..... 100, 101	
Hammers, Rubber..... 116		Windshield Installation Aids..... 98, 99	
Hand Tools, Channel Locks and Pliers..... 138		Windshield Leverage Tools .....51	
Hand Tools, Hook and Pick Set .....58		Windshield Repair ..... 126-132	
Hex Keys ..... 138		Windshield Stands ..... 94, 101	
Hood Holders.....59		Windshield Stops..... 96, 97	
Hook Tools ..... 111		Wiper Tools ..... 56, 58	
Hose for Air Tools.....142		Wrench and Socket Sets ..... 134-136	
Hygrometer/Thermometer .....80		<b>Z</b>	
<b>I</b>		Zap-A-Gap® ..... 121	
Installation Sticks and Accessories..... 110		Zip Kicker™ ..... 121	
Interior Vehicle Protection ..... 107		Z-Poxy™ ..... 121	
Inverters..... 133		Z Cold Knife Blades .....30	

# TOP 35 WAYS TO USE YOUR INSTALLATION STICK :

- 35) Bald Man Squeegee
- 34) Chopsticks
- 33) Gum Remover
- 32) Letter Opener
- 31) Grout Cleaner
- 30) Tabletop Light Saber Dual Swords
- 29) Condiment Spreader
- 28) Behind Your Wallet Scratcher
- 27) Tongue Depressor
- 26) Walrus Teeth (2 required)
- 25) Jenga or Pick Up Sticks (box of 100 required)
- 24) Staple Remover
- 23) Coke Can Opener
- 22) Speaker cover remover
- 21) Belt Moulding Remover
- 20) Shoe Horn
- 19) Coffee Stir
- 18) Back Scratcher
- 17) Nose Picker
- 16) Ear Cleaner / Scratcher
- 15) Tucking Headliners
- 14) Shim
- 13) Insert Moulding Remover
- 12) Window Crank Remover
- 11) Door Panel Remover
- 10) Cowling Lifter
- 9) Weather-Strip Installer
- 8) Clip Spreader
- 7) Breaking Gasket Loose From Glass
- 6) Broken Temper Glass Remover
- 5) Moulding Remover
- 4) Chrome Installer
- 3) Gasket Installing Tool
- 2) Rubber Gasket Installer
- 1) Urethane Paddle





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