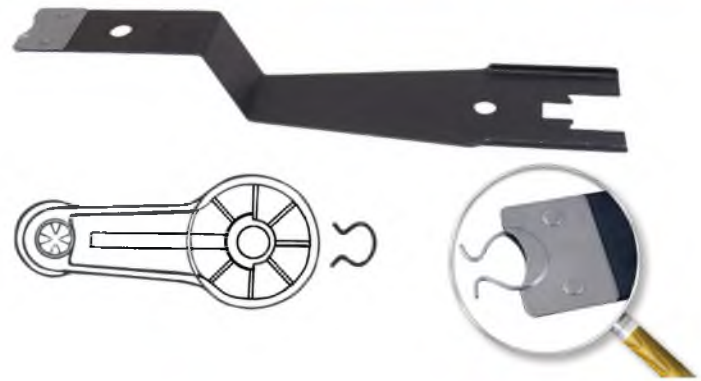


Window and Door Clip Remover

This remover works on GM, Ford and most common C-clips. It has flared sides to 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.

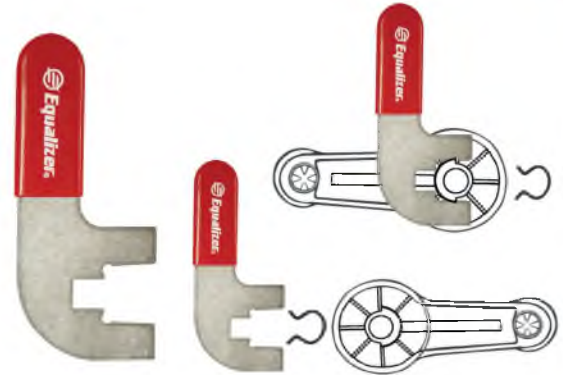
CT749



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 vehicles like the Chevrolet Venture, Pontiac Transport, and Oldsmobile Silhouette. The Compact C-Clip Remover has a flat design that will let you use it from all sides. This handy tool is definitely one that no technician should be without.

JCS452



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. Crafted with a large, comfortable handle.

DUR748

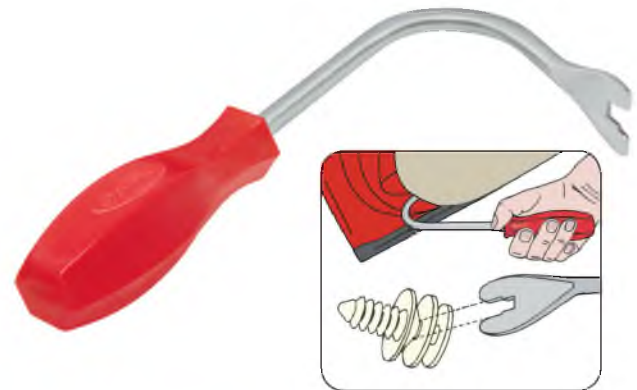


Curved Door Upholstery Remover

For removing plastic or metal fasteners in confined places

This is the same upholstery remover as the one shown above, but is curved 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.

DCR244





Slip-N-Slide™
Tab Retractor Tool

Invented By: Duane Roser

Removes door glass safely and effectively on select 2009 (and up) Dodge, GM, Chrysler, Ford, & Jeep vehicles. Just slide the tool between the window glass and the outer belt moulding and align the notch with the window tab. Apply firm pressure, wiggle the tool until the tab pushes back and the glass can be removed. Made of heavy-duty, yet flexible plastic that can be bowed in either direction to accommodate all types of removal situations.

SNS675



Some models may require the use of 2 tools at once



PryDaddy™

Our PryDaddy™ set contains 11 specially shaped sticks and a hammer for prying, smoothing, spreading, removing, tapping and pushing. This tool set will help you overcome any situation no matter how complicated. Each tool is made of a tough yet flexible, polycarbonate material. Comes in a handy roll up tool pouch.

PDT443 • Set of 12



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.

GBM446 • Set of 5



Door Panel & Cowling Clip Removal Tools

These tools are made with 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 large curved tool is for removing clips on the front part of the door panel because some door jambs are so close a regular clip removal tool will not work and the V-groove tool will remove those small clips on the cowling. This set is made of the highest quality, heat-treated stainless steel and are fully polished to produce a set of tools that are as beautiful as they are functional.

CRT250 • Set of 5 Tools

Springer Clip Removal Tool

The distinct precision curvature of the Springer Clip Removal Tool provides a variable load distribution, safely moving the load point along the tool as more leverage is applied. The tapered tip allows entry under closely fitted parts and the rounded edges avoid damage to the trim or vehicle. No matter whether you are an auto glass shop or a body shop you will be amazed at all its uses.

AP6205



Extra-Long Door Upholstery Remover

Invented by: John Hutzel

Many vehicles have clips located far from the edge of the door panel making a removal hard to do with conventional tools on the market. With our Extra-Long Door Upholstery Remover, now you can easily reach and remove the deepest door clips. Not only is this tool longer, but its unique design also features an angled head to supply leverage when removing the clip. Simply place the tool under the edge of the upholstery panel, locate the clip and insert the head of the tool onto the clip as far as possible. Twist the handle to the right using the leverage at the bend to pry the clip loose. If a clip is difficult to remove use a wrench on the nut at the base of the handle to give you more leverage. Made of hardened steel with a polished finish and a large comfortable handle.

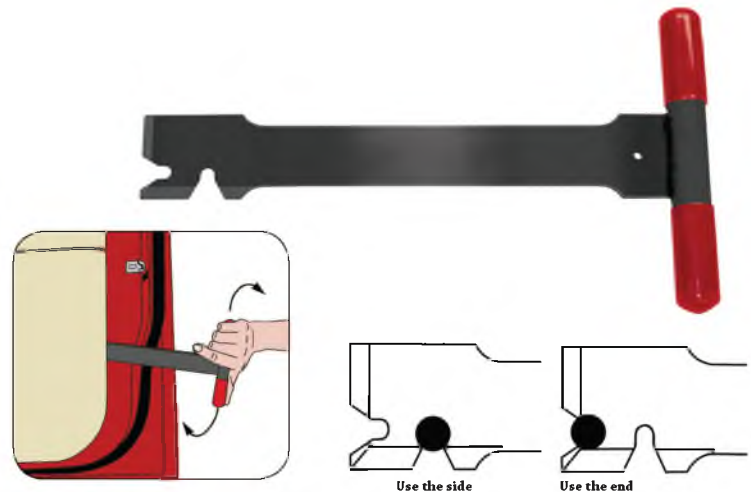
LNC501



Door Panel Clip Removal Tool

Sometimes clips are so far back from the edge of a vehicle door that prying them up can be a challenge. With our Door Panel Clip Removal Tool's twist-and-remove design, these encounters will no longer slow you down. Simply slide the tool between the metal door skin and the door panel, engage the clip in the grooved head, twist the handle, and pop the clip loose. The leading edges of our clip removal tool are tapered very thin so the tool will easily slide under a clip and prevent damage. The working length of the tool is 10-3/4" long with overall length of 11-1/2". It is made of hardened steel and powder-coated to prevent damage to painted surfaces.

TRL350



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 panel. Made in the USA.

CZ444





Clip Removal Tool

Many 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 it 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



Spread jaws slightly

Slide under the clip, squeeze and pry up



Door Upholstery Remover

Removes and saves all types of clips

The front of this 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 to remove the clip. Great for removing door panels. Made in the USA.

SCR696



Belt Moulding Remover

Removing a belt moulding is not something that you do everyday in the auto glass business, but when you must remove one, you have a problem. Most belt mouldings have clips that are slid down from the top and clamp into the metal. The inside of the door panel makes it impossible to pry up on the bottom of the moulding. With our Belt Moulding Remover you can put it down into the door panel from the top until the hook can be placed under the lower edge of the moulding. Then slide the Belt Moulding Remover over until it is against one of the clips and pull up on the handle, repeating the process until all the clips have been removed. Now you have both removed and saved the belt moulding.

BMR1488



Twist and Pry



Window guide pops open



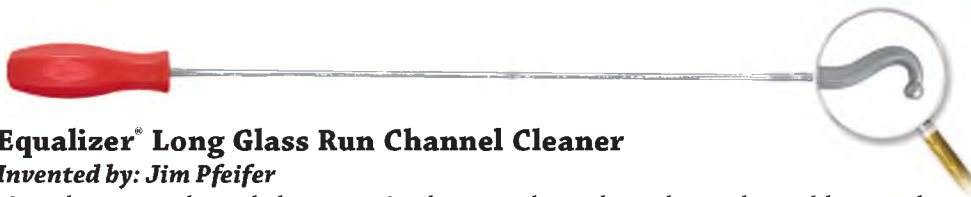
Squeeze to snap together

Window Guide Remover Pliers

Window guides are also known as butterfly clips.

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



Equalizer® Long Glass Run Channel Cleaner

Invented by: Jim Pfeifer

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 Long 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

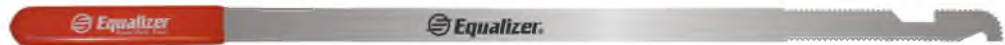


Equalizer® Short Glass Run Channel Cleaner

Invented by: Jim Pfeifer

Not long after we started selling the Equalizer® Long 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 the upper channel. Our Short Glass Run Channel Cleaner is perfect for this and measures only 13" long (overall length including handle) with the exposed metal area measuring 8-3/4" long.

RS1389



SabreTOOTH™ Tempered Glass Removal Tool

Invented by: John Hutzel

Broken tempered glass can become lodged behind the impact bar on the inside of a door. If it is not removed the repeated opening and closing of a door can cause that glass to put dents in the skin of the door from the inside out. When this happens you are probably going to pay for the door to be repaired. Our SabreTOOTH™ is the perfect answer for removing broken tempered glass. Designed with deep notches that will capture broken glass and pull it out from where it's lodged. If the deep notches cannot pull out the broken glass, then the smaller notches will break it up into smaller pieces causing the glass to fall out and those pieces can easily be vacuumed up. The SabreTOOTH™ can even contour to fit down into the water drain that is past the bottom of the door on many vehicles. It is made of very flexible stainless steel so it will conform to the inside of any door. It measures 22" long and has a Neoprene handle.

RGD188



FANG™ Tempered Glass Removal Tool

Invented by: John Hutzel

It has always been difficult to remove broken tempered glass from inside a door. Doors are now more curved than ever and a rigid tool will not contour to reach difficult areas inside the doors. Broken tempered glass will lodge in the channel felt, behind the impact bars, in locks, and in the drain areas of the door. Each place can cause a specific set of problems. Our Tempered Glass Removal Tool is made of spring steel wire. It will flex to fit the contour of the door and reach into the most difficult areas to remove glass. Two prongs give you two chances to grab the glass and pull it to an area where it can be removed. The total length of the tool is 19" long and the spring steel part is 14-3/4" long. Made of two pieces of spring steel with a high-impact plastic handle.

WMA222



MultiSpanner™

Five different sizes fit 95% of vehicles.

Invented by: Douglas Zeitz

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 an extension.

DZ623



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.

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



Friction Pin Removal & Replacement Tool

Remove/replace swing or pop-out latch friction pins.

Invented by: Blaine NESTE

Every Auto Glass Technician faces the problem of how to remove the latch friction pin from "swing or pop-out" windows without breaking the latch. This tool is the answer. Its jaws have five adjustable settings that will fit any swing or pop-out window latch. To remove the latch friction pin, open the jaws wide enough for the push pin to engage and push out the latch friction pin. To replace the pin, rotate the push pin around until it is upside down. Use the indentation in the bottom of the push pin to hold the latch friction pin in place. Then squeeze the friction pin into the latch.

PRT305



Bottom Channel For Chevrolet & GMC Trucks

If you try to purchase the channels from a dealer they 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 one of them developed a bottom channel for these glasses. 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 steel, our channel is made of stainless steel... guaranteed never to rust! Each is long enough to fix one door glass. Channel fits NAGS⁺ part numbers DD8305-06; DD7477-78; DD7288-89 (most GM full-size cabs 1987 to 2000).

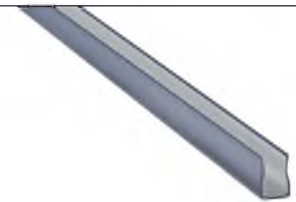
SLC273



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 to be unusable. Even in new vehicles, the bottom channel breaks and replacements are almost impossible to find. You can make a new one with our Universal Bottom Channel, just by brazing or welding the regulator attachment to it.

LS1269 • 4' Length



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 innovative to repair the glass. For this reason, shop owners keep a few sets of these Universal Bottom Channel 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 part number 21426 was designed for this purpose.

MD1280 • Set of 2



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



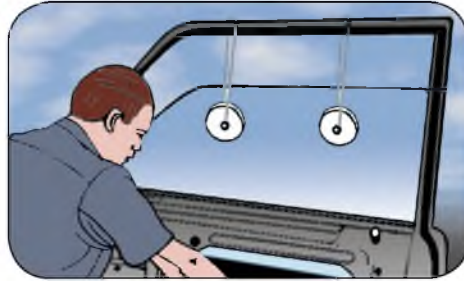
Loctite® Fast-Cure Epoxy

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





Window Holders

Hold up the door glass while you work on the channel or regulator. 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

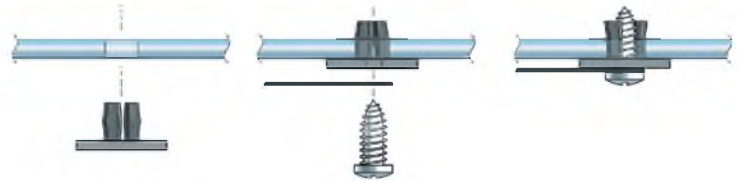


Stayput™

Invented by: Toby Barrett

When you need a way to hold the door glass in an up position Stayput™ is the answer. 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



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 vehicles. 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 the channel and insert the screw.

RW1393 • Package of 50

AUTO GLASS WEEK™



Where the Industry Comes Together
www.autoglassweek.com



Equalizer® Pop Rivet Setting Tool

A reasonable price and lots of extras

This pop rivet setting tool comes with the two most commonly used sizing nuts and also has another three sizes for anything else you might encounter for a total of 5 different sizing nuts. The nosepiece is 5-1/2" long to reach deep inside any door. It features a small plastic bottle between the handles that catches the shank of the pop rivet so they are not laying around on the floor and damaging tires. It comes with an extra pair of jaws (that pull the rivet) and a wrench to change the sizing nuts.

ERT470



 HR822 • Diameter 1/4" Grip Range Max. 9/64"	HR822 • Box of 100 Short Rivets • For installing regulators and door handles
 HR823 • Diameter 1/4" Grip Range Max. 5/8"	HR823 • Box of 100 Long Rivets • For installing door glasses



Twistable Head Pop Rivet Tool

Unique twistable head rotates 90° to point forward.

Manufacturers put rivets in places that are almost inaccessible. Our Twistable Head Pop 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 sizing nuts and a wrench to change them. Each sizing nut allows you to use a different size rivet: 3/32", 1/8", 5/32", 3/16". The handle locks together for easy storage.

DO1097

Long Nose Pop Rivet Tool

Features a long nose with a narrow diameter to fit inside channels

On many vehicles the door seal channels must be removed in order to 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. Unlike most tools, this one will reach down inside the deepest channels. It comes with 4 different sizing nuts, a wrench to change them and a handle that locks together for easy storage.

LV1272





Rivet Stem Remover
Invented by: David LaPoint

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 of a hammer and the rivet stem is driven out. The unique design allows a metal-to-metal contact (hammer to stem remover to stem).

DPO585



No Hammer Required!!!

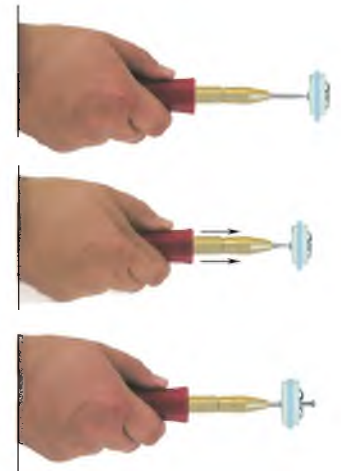


EasyPunch™

When removing door glasses that are held in place by pop rivets you must drill the rivets out. Before you can drill the rivets out, you need to remove the rivet stems. EasyPunch™ makes that task fast and easy by delivering metal-to-metal-to-metal contact with no hammer. The stem is removed by the hammering device inside the EasyPunch™, which is delivered with a simple push on the handle. When depressed a 1/2", the spring-loaded punch releases, delivering enough force on the rivet stem that it begins to back out. After a quick series of punches, the stem is removed

and you can begin to drill. EasyPunch™ eliminates the hammering inside door panels, which can break a door glass or lead to alignment problems when installing. EasyPunch™ is also ideal for removing mouldings secured by rivets, where a slip or miss with a standard punch can lead to body damage.

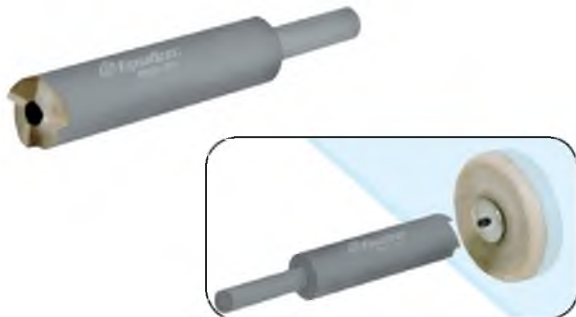
AEP1132



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, releasing the rivet. 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





Equalizer® Installation Sticks

Installation sticks are one of the most versatile tools you can have in your toolbox. Auto Glass Technicians use

them to manipulate the urethane and remove door panels. Installation sticks are also helpful when installing rubber gaskets, used to remove mouldings, lift the cowling, and tuck in headliners. Heck, they are even useful to open envelopes, remove staples, scratch your back, and open soda cans. You'll find other resourceful uses that are not listed here once you're an owner of one.

IS742



Chisel-End Installation Sticks

Installation sticks with a chisel point are more versatile than regular installation sticks. Use the rounded tip for all the things you now use a regular installation stick for,

and then turn it around and use the chisel-end to scrape excess urethane buildup out of corners where a pinchweld scraper or blade will damage the paint. They are great for removing excess wet urethane that has squeezed out onto the glass or paint from underneath the moulding and for removing the sealer that squeezes out of the rubber around a rubber installation.

ISC741



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 business information, company logo and even your picture printed in glorious full color on installation sticks to give to your customers. What better way to impress your customers. A few well-placed sticks will remind them

who to call when they need a piece of glass. Is there a catch? No, you just pay a one-time set-up fee of \$20.00. Pay it once and you will never need to pay it again unless you change something on your artwork. We can use your existing artwork or we can custom make your artwork for you. Each stick has your custom label on one side only. Traditional or Chisel-End Sticks Available.

JD1221 • Standard with Custom Label • Package of 1000

JC750 • Chisel Point with Custom Label • Package of 1000

ICR754 • 500 Standard and 500 Chisel Point with Custom Label • Package of 1000



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



Installation Stick Handle

Invented by: Marcus Heflin

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



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.

LS758



Curved Shaft Locking Strip Tool

Invented by: Tressa Coan

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

Our Locking Strip Tool 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



Locking Strip Tool

The narrow jaws open the rubber gasket and a small piece of metal rolled under the center part forces the locking strip into place. Works on Ford trucks, Mac trucks, BMW, and recreational vehicles. This tool is made of chrome-plated, hardened steel.

LGM207



Equalizer® Rubber Gasket Cleaner

Rubber gaskets can be tricky to clean, but Equalizer has solved this problem with our 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 sides so it will clean glass and old sealant out of the gasket with one, easy pulling motion. The unique design keeps your hands clear of the glass.

RGC751



Footloose™

Many vehicles have large, rubber-set windshields. With Footloose™, you can push out on the glass with one hand while you release the rubber gasket with the other. To use Footloose™, hook the tip over the pinchweld, push gently outward, and release the rubber gasket. Can also be used on rubber-set back glasses where there is no room for leverage to push them out. Footloose™ puts the necessary pressure on the back glass so you can release the gasket.

BDA251

Equalizer® Rope Insert Tool

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? We all use small ropes to "rope in" rubber gaskets. This handy tool is designed to ease the rope under the lip and set it in the groove of the gasket. You will no longer have these problems with the Rope Insert Tool. Comes with a sturdy 20 foot rope that will reach around the largest rubber gasket. Made in the USA.

RT752



Self-Locking Rubber Gasket Tool

Even though the name can be misleading, self-locking gaskets do not lock themselves! They still require you to fold the locking part into place, and our Self-Locking Rubber Gasket Tool is perfect for this. The curved (pigtail) end of the tool is most useful when the self-locking rubber is not very old and still a little stubborn. The straight end works great when the self-locking part goes into place easily. Each end is held in place by a hex screw and therefore easily removable if replacement is needed. Made of cast aluminum with steel ends.

RGL34

RFE39 • Pigtail End Replacement

RFS40 • Straight End Replacement



Pigtail 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 PT697 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



Tool For Self-Locking Rubber Gaskets

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 an 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.

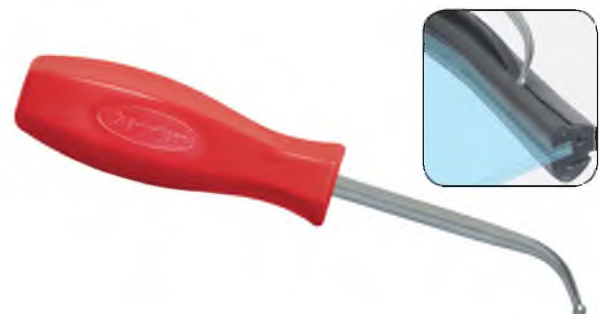
MQ1292



Ball End Tool For Self-Locking Rubber Gaskets

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

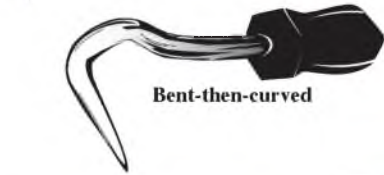




Equalizer® Double Bend Rubber Hook Tool

Made for pulling the rubber gasket over the pinchweld on rubber set jobs. This 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



Bent-then-curved



Equalizer® Long Double Bend Rubber Hook Tool

An extended version of the RT753 hook tool. This tool 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® Single Bend Rubber Hook Tool

This is the same tool as our RT753, except it does not have the double bend feature. It is bent in one direction and is normally referred to as a straight bend which indicates there is no side to side curve in the tool. Made in the USA.

RTS773



Straight Bend



Equalizer® Narrow Nose Hook Tool

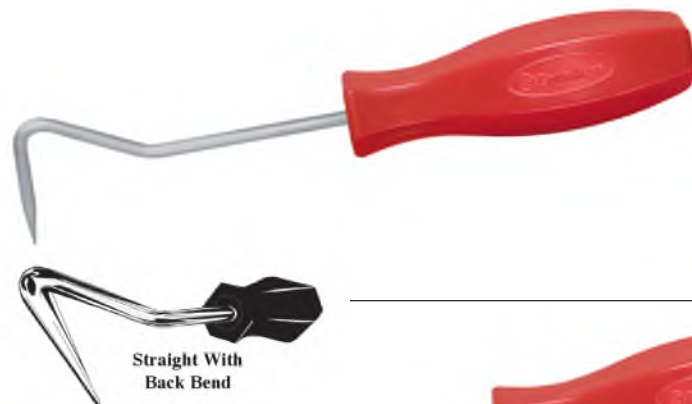
This tool measures only 1/8" thick at the bend and tapers down to 1/16" thick at the tip. Great for reaching past the pinchweld and grabbing the rubber gasket after the glass is almost installed. It is made of hardened steel and chrome-plated.

MT1295

1/8" thick here
1/16" thick here



Straight With Back Bend



Straight Rubber Hook Tool

This hook tool has a longer hook section without the *bent-then-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

Straight With Back Bend



Long Rubber Hook Tool

This hook tool measures a long 7" from the curve to the point where it goes into the tool. 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.

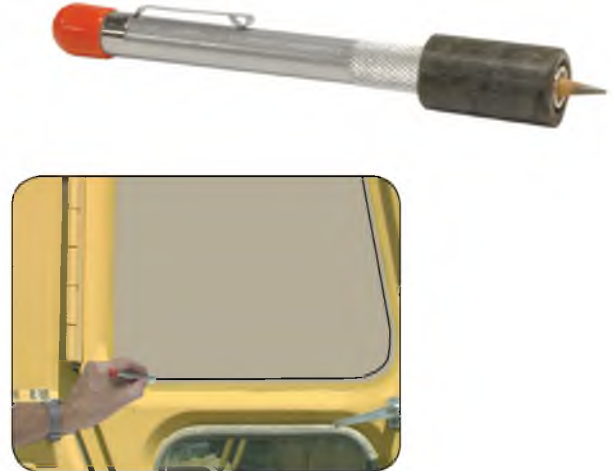
AHL818

Pattern Making Pencil

Invented by: Claire Obert

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



Radius Patterns

Invented by: Russ Rutledge

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. You can 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



Grease Pencils

Grease pencils will not damage paint or glass and are the most accepted way to make a temporary mark on them. The mark can easily be removed with a paper towel. A string is imbedded into the paper wrapping. The wrapping is scored every 1/4". To sharpen the pencil just pull the string back and spin the paper off to expose a new piece of the grease pencil.

GPB122 • Black

GPR123 • Red





Fletcher Glass Cutters

Fletcher has been in business for over a century. If you have managed to stay in business for that long, then you are doing something right. What Fletcher does 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 steel ball end.



Free cutting fluid filler



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

FT01711 • Carbide Wheel • Fluid Dispensing • Ball End



FT01702 • Carbide Wheel • Fluid Dispensing • Ball End



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

FT01119 • Steel Wheel • Ball End • Box of 1 Dozen



FT01111 • Steel Wheel • Straight End

FT01112 • Steel Wheel • Straight End • Box of 1 Dozen



FT01826 • Steel Wheel • Ball End

FT01827 • Steel Wheel • Ball End • Box of 1 Dozen

EnviroGOLD™ Glass Cutting Fluid

Extends the life of the cutting blade. It is biodegradable, non-flammable, non-toxic, and non-corrosive.

FT09541 • 4 Oz.



3-Pocket Glazier's Glass Cutter/Tool Holder

These small tool pouches have been around the industry for years and are the perfect way to carry your glass cutters or rearview mirror tools. 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 and will fit belts up to 2" wide. Tool Holder only. Cutters not included.

GK1152



Toyo Glass Cutters

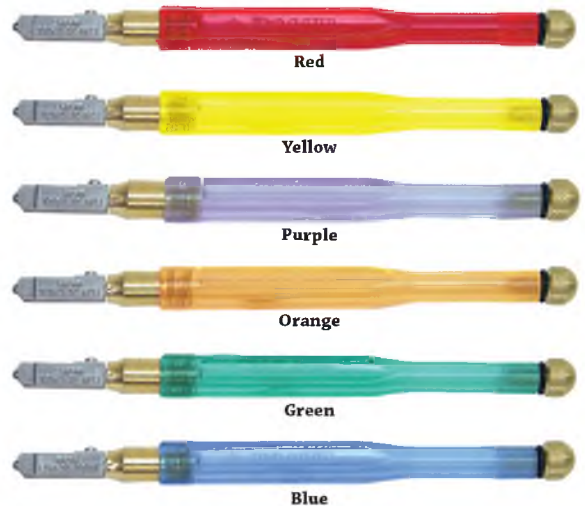
When Toyo Glass Cutters were introduced thirty years ago, they were the first in a generation of self-oiling professional glass cutters. They were radically new in design and featured a revolutionary cutting wheel technology developed entirely by Toyo. This technology offered the advantage of a much 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 comes in six translucent 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 a seal 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. You can pick your own color so everyone will know which one is yours.

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 • 4 Oz.



Oil filler with each glass cutter.

Glass Breaking Pliers

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.

AC1006 • Straight Jaw

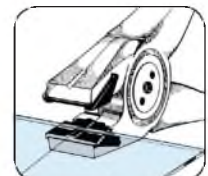
AD1007 • Drop Jaw



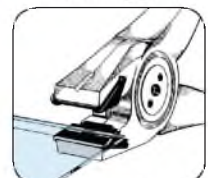
Fletcher Glass Breaking & Glass Running Pliers

This tool's 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" Long



Cut running pliers



Breaking pliers