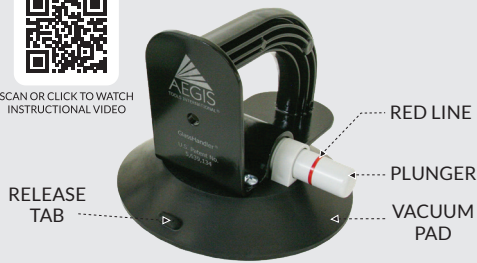


AEGIS® KIT1720 GLASSHANDLERS®

Use and Maintenance Instructions



SCAN OR CLICK TO WATCH
INSTRUCTIONAL VIDEO



GlassHandlers are specifically designed for installing glass in vehicles. The unique handle design allows optimum hand positioning, while minimizing the risk of technician strain and injury. Its smooth curved shape gives the user optimal control while handling large windshields. These vacuum cups have a built-in warning system. If a vacuum cup starts to lose grip, a red warning line will appear.

PART NAME	PART NO.
Case	CAS2026
Plunger	90111
6" Vacuum Pad	49386T
Elbow Pad	HDW5081
Felt Filter	60024
Plunger Lubricant	28502

Maximum Load Capacity
(per cup): 70 lbs [32 kg]



MAINTENANCE

- AEGIS® GlassHandlers® are easy to keep clean when they are stored in their own protective case. Never set them on any dirty or rough surface.
- After each use, clean the vacuum cups with a clean, lint-free cloth and soapy water.



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TROUBLESHOOTING

- Vacuum Cups: If you have difficulty maintaining a seal on a vacuum cup, clean the glass and the vacuum cup with a clean, lint-free cloth. If the problem continues, check the cup for cracks, scratches, or cuts. If any are found, replace the vacuum pad (49386T).
- Plungers: If the plunger does not maintain vacuum, the internal seal may need lubrication. Pull out the plunger and apply a light coating of plunger lubricant to the seal, taking care not to get lubricant on the other parts of the plunger. Reinstall the plunger and pump it a few times to spread the lubricant. If the cup will not hold, replace the plunger (90111).

AEGIS Glass Handler®
TOOLS INTERNATIONAL® by WPC
FOR THE PROFESSIONAL INSTALLER



U.S. Patent No. 5,639,134

PREPARING EQUIPMENT AND WINDSHIELD

Before using the AEGIS GlassHandlers Kit, make sure you have the proper safety equipment, including safety glasses and nitrile gloves for urethane protection.

After removing the existing windshield, prepare the pinchweld and new windshield to the urethane manufacturer's preparation and priming procedures.

Thoroughly clean the outside of the new windshield with an alcohol-based glass cleaner. Use a clean, lint-free cloth with soapy water to wipe the faces of the vacuum cups clean.

Warning: Any dirt or debris left on the vacuum cups can cause them to lose grip during use, possibly resulting in serious injury to the technician and/or damage to the windshield or vehicle.

Use the GlassHandlers as directed below to dry-set the windshield into the prepared opening, and place reference marks for location on the glass and/or setting blocks, if necessary.

POSITIONING AND USING THE GLASSHANDLERS®

Proper positioning of the cups and your body takes the load off your back and spreads it over the entire body. It may take several trial runs to find the position right for you. Once you become familiar with the process, the positioning will become automatic.

To start, place the lower cup near the center of the windshield from right to left and below the center from top to bottom. Ideally, you should position the cup low enough to rest your arm on the elbow pad, positioned on the vehicle body.

The top cup should be placed as close to the top of the glass as possible and far enough from the near edge to rest your forearm on the glass, while maintaining enough distance between the cups to lift comfortably.

To secure the GlassHandlers, hold the cups firmly in place and pump the plungers until the red lines disappear. Carefully remove the windshield from the opening by first pivoting the glass out at the top and then lifting it up and out.

Use the release tabs to remove the cups from the old windshield. Then attach the GlassHandlers to the new windshield as described above.

Warning: Check the red warning lines on the plungers before lifting the windshield. If a red line is showing, DO NOT lift the windshield! Instead, pump the plunger until the red line disappears again. If it remains hidden, you may proceed. If the red line does not remain hidden, you must remove the GlassHandlers, clean both the glass and the vacuum cups, and reattach them.

Place the new windshield with the exterior side facing down on a stand to apply the urethane according to the manufacturer's specifications.

After the urethane is applied, remove the windshield from the stand: Tilt it partially upright, anchoring the bottom edge as necessary, until you are able grasp the GlassHandlers comfortably and firmly. Then, while maintaining a firm grip, lift the glass off the stand using proper lifting technique.

Warning: Always use extreme caution when carrying glass!

SETTING THE WINDSHIELD

Position your arm on the protective elbow pad. Be careful not to touch the interior trim with the windshield.

Caution: The elbow pad will provide some protection to the body of the vehicle. DO NOT allow too much weight to shift to the pad or you may damage the vehicle.

Using the reference marks as guides for proper left-to-right position, position the glass so it's parallel with the opening. When all reference marks are lined up, ease the glass into position and press until it is mounted flush.

LIMITED WARRANTY

AEGIS Tools International® products are warranted to be free from defects in manufacturing or materials for 1 year from the date of purchase. Read the [Warranty Return Form](#) at aegistools.com for important details about the warranty.

If a problem develops during the warranty period, follow the instructions below to obtain warranty service. If inspection shows that the product has a defect, AEGIS will repair or replace the product without charge.

To Obtain Warranty Service or Repair Service

For customers in the U.S. and Canada: Go to the [Warranty](#) page at aegistools.com and click the applicable link. Alternatively, you may contact AEGIS Tools International (see contact information).

For customers in all other localities: Contact AEGIS Tools International (see contact information) or your dealer for assistance.

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