



SCAN OR CLICK TO WATCH  
INSTRUCTIONAL VIDEO



# SOLO<sup>®</sup> NEO<sup>™</sup>

AEGIS TOOLS INTERNATIONAL<sup>®</sup> by 



For Automotive Glass Installation **ONLY**  
For windshields up to 75 lbs (34 kg)

## KIT3050 & KIT3060 INSTRUCTIONS

This equipment allows a single technician to install automobile windshields securely and efficiently. Each component attaches using vacuum cups with red lines to warn of any vacuum loss. KIT3060 (shown at left) includes 2 GlassHandlers<sup>®</sup>.

CE UK  
CA



# OPERATION

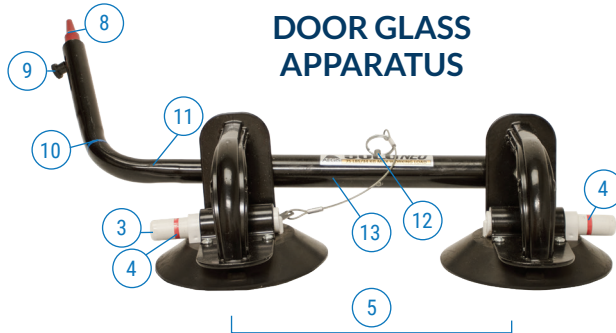
## WINDSHIELD SUPPORT APPARATUS



## GLASSHANDLERS® (included in KIT3060 only)



## DOOR GLASS APPARATUS



- 1. SUPPORT ROD
- 2. BRAKE LATCH
- 3. PLUNGER
- 4. RED-LINE INDICATOR
- 5. VACUUM CUPS
- 6. RELEASE TAB
- 7. PIVOT JOINT
- 8. RETRACTABLE PIN
- 9. THUMB SCREW
- 10. BLUE LINE
- 11. PIVOT ARM
- 12. HITCH PIN
- 13. TUBE



Wear appropriate personal protective equipment and follow trade association guidelines.

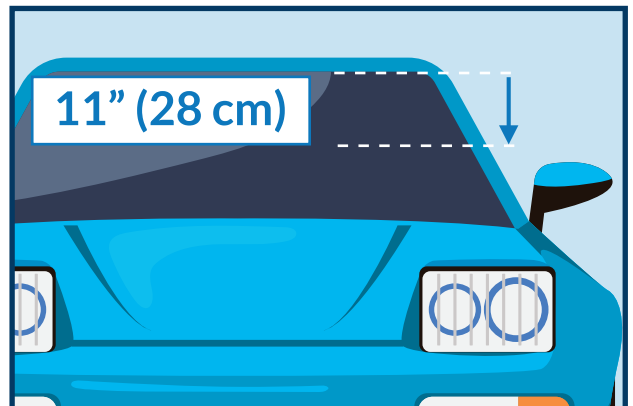
### CAUTION

**CAUTION:** Always dry set the windshield before applying adhesive, to ensure correct positioning of the equipment.

1. Remove the vehicle's cowl, wipers and external antenna, as applicable. Then remove the windshield.
2. Determine which side of the vehicle (driver or passenger) you will work from (see step 3). Make a temporary mark on that side's "A" pillar 11" (28 cm) down from the top of the windshield opening, using the included ruler (see Note 1).



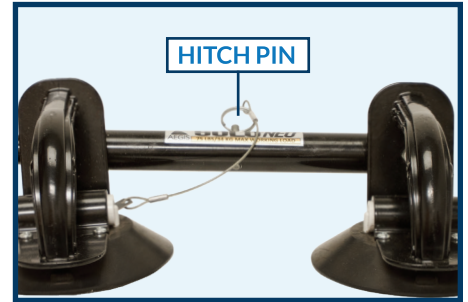
**NOTE 1:** For vehicles with taller windshields, adjust the pillar mark measurement as needed to make sure the Door Glass Apparatus is correctly positioned (see step 4).



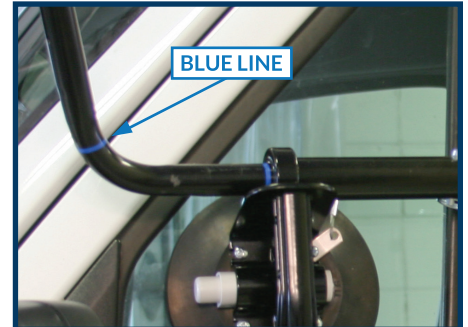


# To Attach the Door Glass Apparatus

3. Remove the hitch pin from the Door Glass Apparatus tube. Install the pivot arm into the tube on the selected working side (driver or passenger). Then reinstall the hitch pin.



4. Make sure the door glass is fully closed and cleaned. Position the apparatus on the glass so the blue line at the elbow of the pivot arm aligns with the mark in the "A" pillar (see Caution 1 and Note 2).



**CAUTION 1:** To avoid possible damage, make sure the door glass will not move once it is closed and will support the weight of the SOLO NEO and the windshield once they are attached. If necessary, use door glass on the opposite side of the vehicle.



**NOTE 2:** Large vehicles, large "A" pillars and certain window configurations may require you to extend the pivot arm (see step 3).



5. Attach the apparatus to the door glass: Press its vacuum cups against the surface and pump the plungers until the red lines are hidden.



6. Use the thumb screw to move and secure the red retractable pin in the extended and locked position.



7. Set up a windshield stand near the attached apparatus, and set the windshield on the stand, with the exterior surface facing up. Then clean the exterior surface.



## To Attach the Windshield Support Apparatus

8. Make temporary marks on the windshield on the end closest to the Door Glass Apparatus at 6" (15 cm) from the top edge and 1" (2.5 cm) from the side edge (see Tip 1 and Note 3).

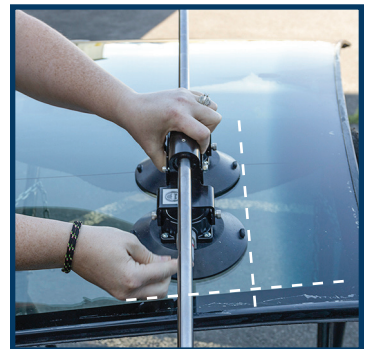
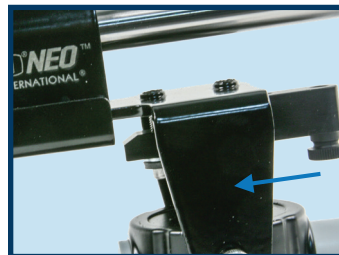


**TIP 1:** Use the vacuum pad of a GlassHandler® to make the 6" (15 cm) measurement.



**NOTE 3:** Make sure the mark from the top edge is long enough to indicate placement of both vacuum cups.

9. Push the brake latch inward, to engage it.
10. Place the apparatus on the exterior surface of the windshield and align the edges of outer vacuum cup with the temporary marks. Then align the other vacuum cup using the top-edge mark.
11. Attach the apparatus to the windshield, similarly to step 5.



## To Connect the Pivot Joint

12. Attach a GlassHandler on the same end of the windshield as the Windshield Support Apparatus, in the same way as the other vacuum cups.
13. Grasp the support rod. Then pull the brake latch outward, to disengage it.







- 14.** Using the GlassHandler and the rod, lift the near end of the windshield and place the pivot joint securely on the retractable pin (see Note 4).



**NOTE 4:** If you cannot place the stand next to the vehicle, engage the brake latch and lift the windshield using 2 GlassHandlers positioned on opposite ends. Then place the pivot joint on the pin.

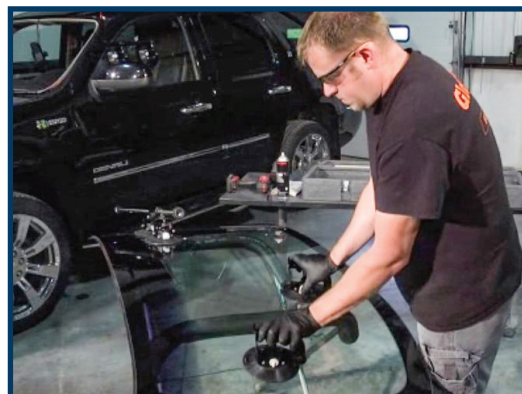


## To Dry-Set the Windshield

- 15.** Attach 2 GlassHandlers on the opposite end of the windshield (see Note 5).



**NOTE 5:** Position each GlassHandler to your personal preference for optimal handling.



- 16.** Use GlassHandlers to lift the opposite end of the windshield off the stand. Then walk to the other side of the vehicle, allowing the windshield to slide along the support rod. Make sure to raise and tilt the windshield as needed, to avoid contact with the vehicle body.

- 17.** Align the windshield parallel to the opening and lower the near top corner into position (see Notes 6 and 7).



**NOTE 6:** If the windshield does not align in the opening, reverse the previous steps for attaching the Door Glass Apparatus and reposition it as necessary before reattaching.



**NOTE 7:** If needed, tuck the bottom edge of the windshield under the fender/hood before lowering.





- 18.** Grasp the support rod. Use the thumb screw to loosen and move the retractable pin to the retracted position. Separate the pivot joint from the pivot arm by sliding the rod (see [Caution 2](#)).

**CAUTION**

**CAUTION 2:** When separating the pivot joint from the pivot arm, do not lift the pivot joint off the retractable pin, because this may result in misalignment when performing a final set of the windshield (see [To Complete the Windshield Installation](#)).

- 19.** Lower the windshield into the opening. Engage the brake latch, and then let go of the support rod.
- 20.** Use a wax pencil or tape to mark the correct windshield position.
- 21.** Secure the retractable pin in the extended position again. Next, disengage the brake latch and place the pivot joint back onto the pin. Then, similarly to step 16, move the windshield back to the other side of the vehicle and set it down on the stand.

## To Complete the Windshield Installation

- 22.** If you are applying adhesive to the windshield on the stand, make sure its interior surface is facing up.
- 23.** Perform the final windshield set, repeating steps 16-19. Make sure to follow any trade association guidelines and applicable industry and regulatory standards.
- 24.** Release each vacuum cup from the windshield by pulling one of the cup's release tabs.
- 25.** Remove all SOLO NEO components from the vehicle and place them in the kit's protective carrying case for storage.



## MAINTENANCE

### Daily

- After each use, clean the vacuum cups with a clean, lint-free cloth and soapy water.
- Make sure each vacuum cup's felt filter is fitted correctly in its vacuum pad.

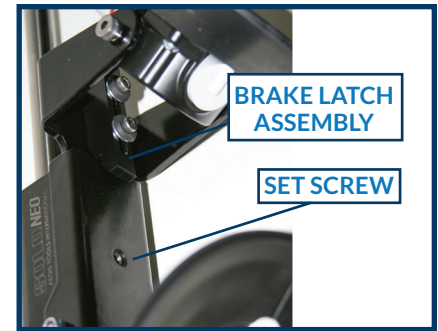


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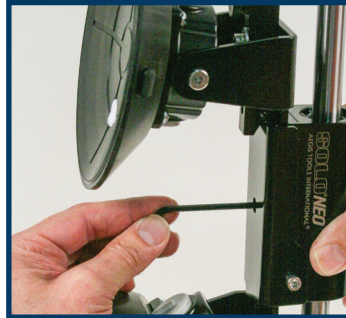


- Make sure all fasteners are securely tightened. Additionally, make sure the thumb screw loosens and tightens as intended (see steps 6 and 18 in OPERATION).
- Make sure the support rod brake functions as intended (see steps 9 and 13 in OPERATION). If not, check the brake adjustment (see Monthly below).
- Use a clean, lint-free cloth to apply light, general-purpose oil to the support rod as needed.



## Monthly

- Bearings: When necessary, apply a few drops of light, general-purpose oil to the support rod or the outside edges of the bearings, and wipe off any excess.
- Brake: Check the brake adjustment. With the brake engaged, grasp the Windshield Support Apparatus by one of its vacuum cups and hold it vertically. If the rod moves, you will need to adjust the brake. Using the 1/8" hex key, tighten the set screw until the rod does not move.



## TROUBLESHOOTING



### Windshield Setting Equipment

#### KIT3050 & KIT3060 Replacement Parts

PART NAME	PART NO.
Plunger	90111
6" Vacuum Pad	49386T
Elbow Pad*	HDW5081
Felt Filter	90501
GlassHandlers® Kit*	KIT1720
Plunger Lubricant	28502

\*Parts included in KIT3060 only.

- Vacuum Cups: If you have difficulty maintaining a seal, clean the glass and cups with a lint-free cloth and soapy water. 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 (90111) does not maintain vacuum, the internal seal may need lubrication. Pull out the plunger and apply a light coating of the 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 (see Caution 3).

#### CAUTION

**CAUTION 3:** Do not remove the vacuum cups from the Door Glass Apparatus. They are aligned to factory specification.



# SPECIFICATIONS

## DIMENSIONS

Carrying Case	44½" x 14¼" x 6¼" [113 cm x 36 cm x 16 cm]
Windshield Support Rod Length	38½" [98 cm]
GlassHandler® Pad (KIT3060 only)	6" [15 cm] diameter

## WEIGHTS

KIT3060 - total weight	34.5 lbs [16 kg]
KIT3050 - total weight	31 lbs [14 kg]
Carrying Case	16.5 lbs [7.5 kg]
Door Glass Apparatus	5.5 lbs [2.5 kg]
Windshield Support Apparatus	6.5 lbs [3 kg]
2 GlassHandlers® (KIT3060 only)	2.5 lbs [1 kg]

# 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.

## CONTACT INFORMATION

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