

RAINGEAR
HIDDEN WIPER SYSTEM
ASSEMBLED IN ARIZONA USA

Raingear Hidden Wiper System



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Drill Wire Location

Before you begin to install your Raingear, GEN II Wiper system, you need to locate and drill a 5/8" hole from inside the car into the floor of the Airbox.

To begin you must remove the plastic cover below your steering column. This will give you access not only for drilling but for access to your Dash Panel when it is time to install your Wiper Switch.

To the right of the steering column look straight up and locate a sheet metal bracket with a row of small holes (see Fig 2).

About 2" forward of this bracket use a step drill to make a 5/8" hole in the firewall. (see Fig 3)

When you go outside the car and look into the airbox you will see the hole on the floor of the box.

Clean off any sharp burrs.

Install the rubber grommet supplied in the kit.

Locate the wire bundle and string the loose ends from inside the airbox through the rubber grommet to inside the car. (see Fig 4)



Fig 2 Above



Fig 3 Above



Fig 4 Above

You are now ready to install the Wiper System

The Machinery

Orient the Pivot Shafts and Link Assembly as it will fit into the airbox. Passenger side Pivot Shaft to the Right, Driver Side to the left. Using the far left, large hole in the top of the airbox, insert the Pivot Shaft, Link Assembly into the Airbox. **POINT THE TIPS OF THE BRASS PIVOT SHAFTS TOWARDS THE BACK OF THE CAR.** (Refer to Fig 1 on page 1. See 5 and 6)



Fig 5 Above



Fig 6 Above

Make certain the Radio Antenna plug is rotated upwards to around the 12 to 2 o'clock position. (see Fig 7) Rotate the tips of the brass Pivot Shafts forward and upward into their respective holes in the cowl.



Fig 7 Above

On the Passenger side place a stainless-steel cover plate, the one with TWO small holes, over the Pivot Shaft and onto the cowl.
Use Two 1/4-28 Button Head bolts and two 1/4" flat washers to secure.
DO NOT TIGHTEN the bolts. (see Fig 8)



Fig 8 Above

On the Driver side use three 1/4-28 Button Head bolts and three 1/4" flat washers over the stainless-steel cover plate to secure pivot shaft (the one with THREE small holes, not pictured). (see Fig 9)



Fig 9 Above

Before inserting the Wiper motor into the airbox plug the wire harness into the plug coming from the electric Motor.
Orient the wires coming from the motor as shown in Fig 10.



Fig 10 Above

Insert the Wiper Motor and bracket through the far-left opening into the Airbox.
Attach the Motor Bracket to the Left Pivot Shaft Head first. (see Fig 11 and 12) Use two 1/4"-28 button head bolts and two 1/4 flat washers.



Fig 11



Fig 12 Above

Next use two 1/4"-28 button head bolts and two 1/4" flat washers to attach the Motor Bridge to the Driver Side Pivot Shaft Head. (see Fig 13)

After all button head bolts are installed tighten all fasteners.



Fig 13 Above

The Drive Arm

To add the Drive arm to the motor:

Remove the loose 13mm nut from the Motor Spindle.

Place the tapered hole on the Drive Arm onto the vacant Spindle. (see Fig 14)

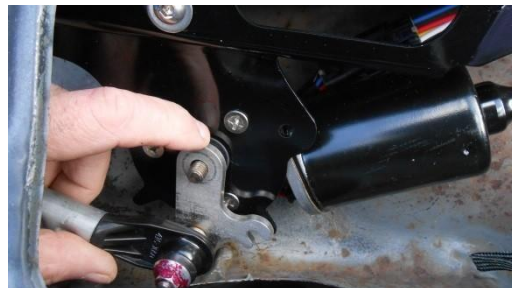


Fig 14 Above

Replace the nut but DO NOT TIGHTEN. (see Fig 15)



Fig 15 Above

Locate the empty 1/4" diameter hole on the Motor Mount face. (see Fig 16)
This hole is used to locate the "PARK" position of the wiper system when in the off position. NOTE: the wiper motor comes to you, in this kit, in the "PARK" position.



Fig 16 Above

Rotate the Drive Arm "Park Slot" over the hole in the Motor Bracket and insert a 1/4" round object through the slot and into the hole. (We use a Phillips screwdriver. You can use a 1/4" bolt or anything that size.)
Use a 13MM open end wrench to tighten the Motor Spindle Nut. (see Fig 17)



Fig 17 Above

If you have the Pantograph Arm feature:

If your Pantograph Arm has the slide clip installed, use it to secure the arm.
If not, use the supplied small E-clip. (see Fig 18) (Skip this step if you do not have the Pantograph feature.)



Fig 18 Above

1979-81 Switch

Remove the OEM Windshield Wiper Switch.
Use the OEM switch screws to secure the Adapter plate to the Dash Panel.
(see Fig 19 to the right)



Cover Plate

Use three 10-24 stainless steel screws and three 3/16" flat washers to secure the Cover Plate to the outside of the Firewall. (see Fig 20 and 21)



Fig 20 Above



Fig 21 to the right

Thank you for choosing Raingear Wiper systems, we look forward to working with you on your next project

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HIDDEN WIPER SYSTEM FOR YOUR CLASSIC CAR
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