

Part Number: 25553

Revision: A

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Document Type (indicate):

◦ Bill of Material

◦ Drawing (may be attached)

◦ Specification

• **Assembly Instructions**

◦ Operating Procedure

◦ Other

Windshield Wiper Linkage Installation Instructions

I. Parts Included in Kit:

25529	WINDSHIELD WIPER HARDWARE	ASSEMBLY	1.00
25392	WINDSHIELD WASHER RESEVOIR	EA	1.00
25391	WINDSHIELD WIPER - MOUNT PLATE, MOTOR	EA	1.00
25461	FLANGE BUTTON HEAD SCREW, 1/4"-20 X 1"	EA	8.00
10802	1/4" NYLON LOCK NUT	EA	4.00
11088	1/4" WASHER	EA	5.00
25552	WIPER ARM	EA	1.00
25629	22" WIPER BLADE	EA	1.00
25554	WIPER WHEELBOX	EA	1.00
10648	WASHER RESEVOIR HOLD DOWN BRACKET	EA	1.00
25553	WIPER LINKAGE COMPONENTS	EA	1.00
25936	WIPER LINKAGE ROD ASSEMBLY	ASSEMBLY	1.00
25723	THREADED ROD, 3/8"-24	EA	1.00
25934	TUBE, WIPER LINKAGE	EA	1.00
25724	ROD END, TO THREADED ROD	EA	2.00
25725	JAM NUT, WIPER LINKAGE	EA	4.00
10960	5/8" NYLON SPACER	EA	4.00

II. Tools Required:

Tubing cutter
Ruler/tape measure
Drill
Marker
25/64" drill bit
4 mm Allen Key
7/16", 1/2", 9/16" wrenches
Hacksaw/cut-off wheel
T-30 Torx

III. Installation Instructions

1. Place the Wiper Motor Mount Plate (FFR# 25391) along the edge of the $\frac{3}{4}$ " shock tower support tube on the passenger side and the top of the footbox front wall aluminum. Mark the location for the riv nuts (4 total).



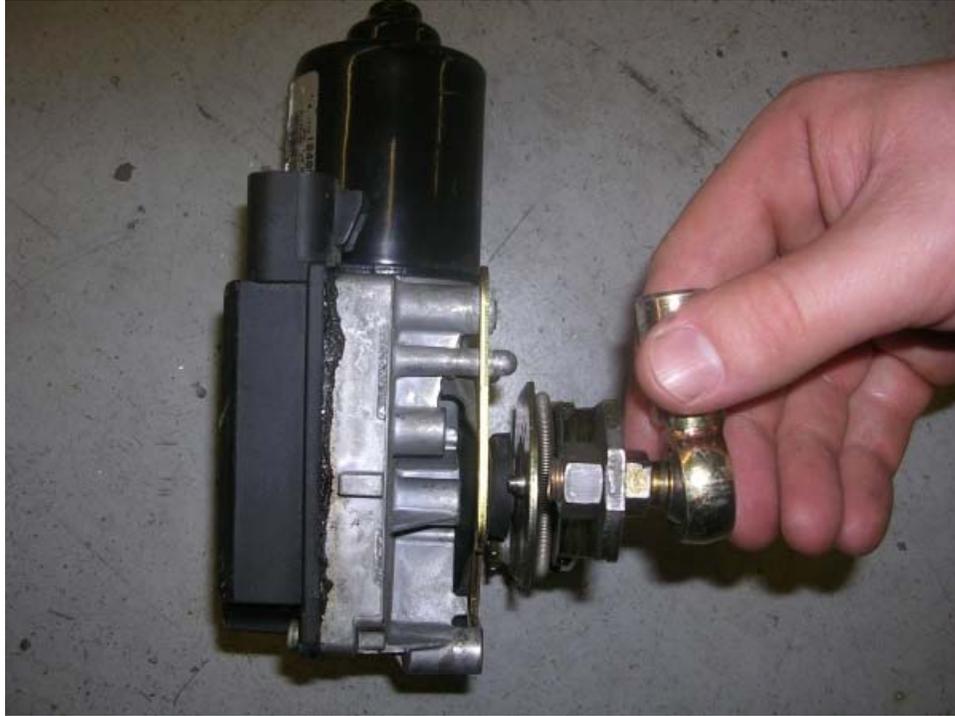
2. Drill the riv nut holes using a $\frac{25}{64}$ " drill bit. You may want to begin by using a smaller drill bit to drill a pilot hole first (shown).



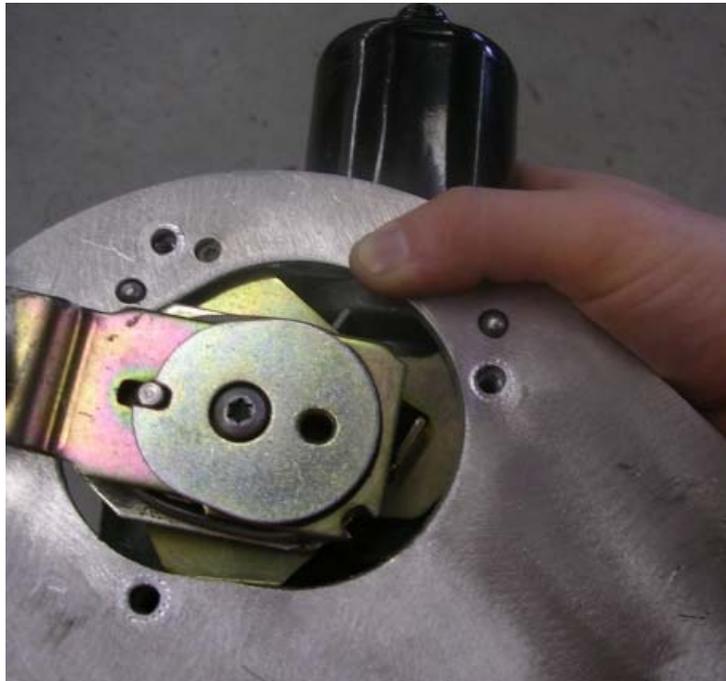
3. Install the 1/4" riv nuts (4) using the supplied riv nut tool.



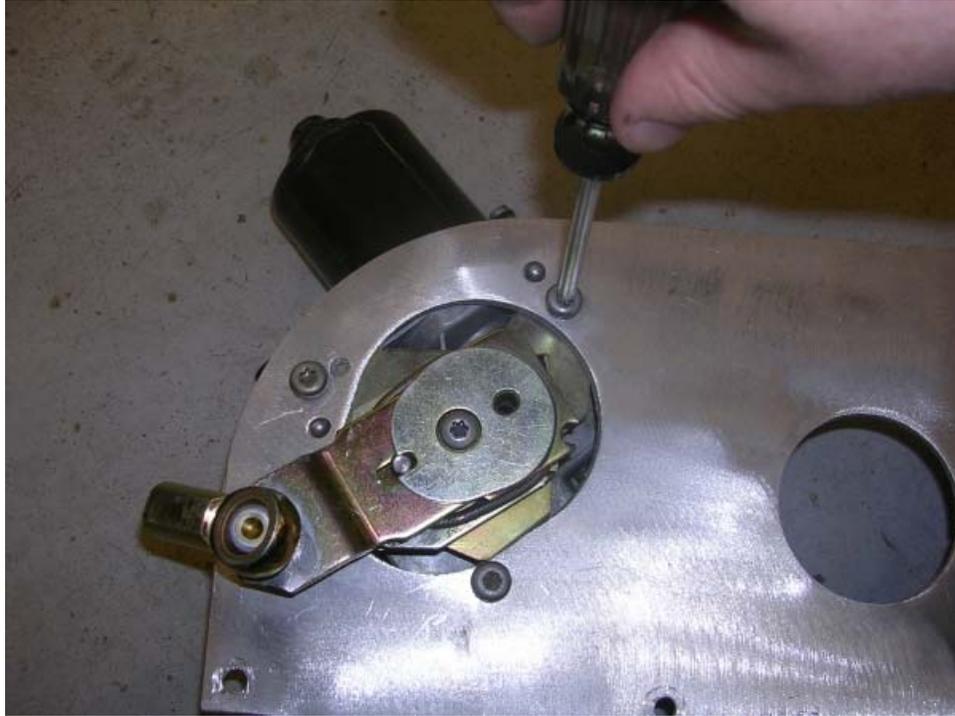
4. Install one of the rod ends (FFR# 25724) with the supplied jam nut (FFR# 25725) onto the wiper motor arm (1/2", 9/16" wrenches). You will have to trim some of the excess thread off of the rod end in order for it to have sufficient clearance between it and the wiper motor mount plate.



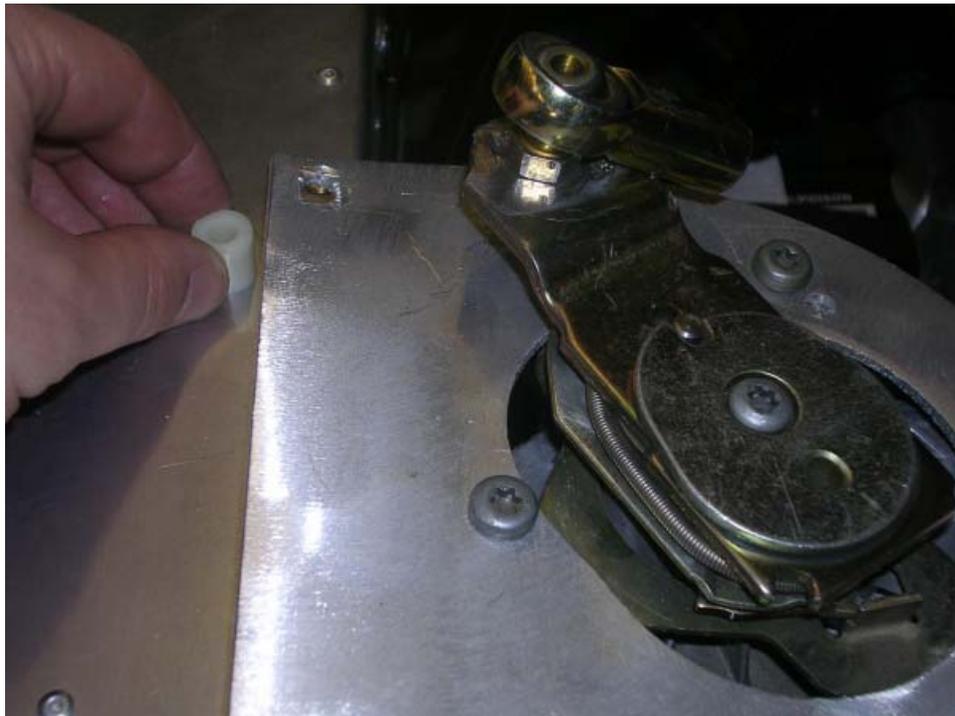
5. Place the wiper motor in the mount plate (FFR# 25391) so the pins on the motor fit inside the holes in the mount plate and the three threaded holes in the motor line up with the corresponding holes in the mount plate.

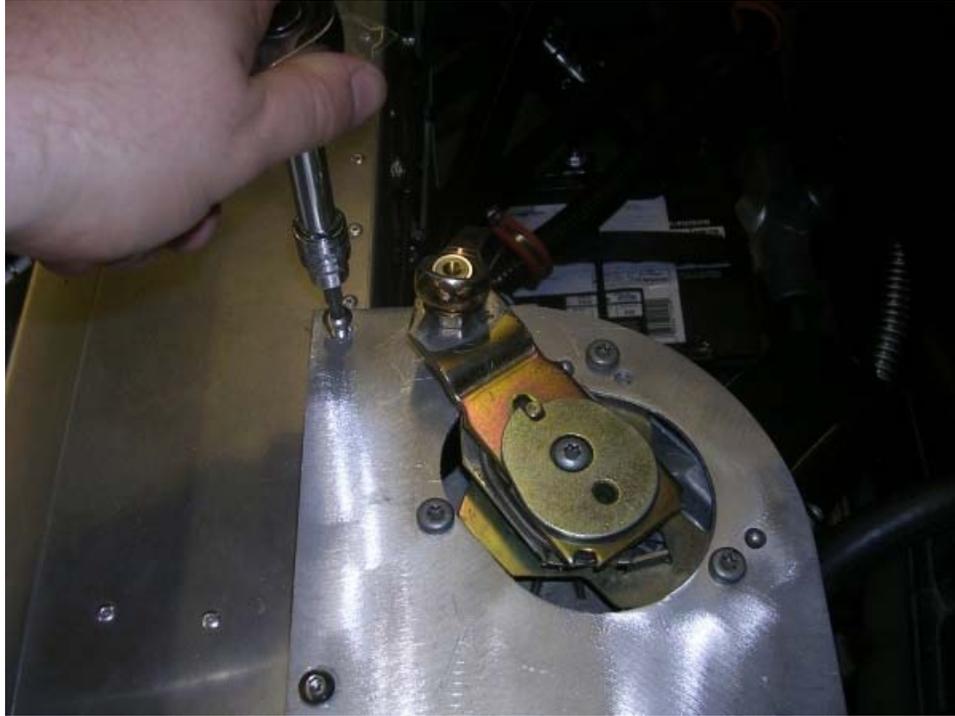


6. Using the three Corvette screws that held the motor in place, fasten the motor to the mount plate (T-30 Torx).



7. Place a nylon spacer (FFR# 10960) between the frame and the mount plate at each of the riv nuts and bolt the plate into position using the supplied $\frac{1}{4}$ "-20 x 1.5" long bolts (4mm allen).





ATTENTION: For the bolt at the front corner of the plate, you may have to use the supplied washers as well as the nylon spacer to prevent the bolt from bottoming out before the plate is firmly in place (See photo).



8. Screw the supplied section of threaded rod (FFR# 25723) into the rod end on the wiper motor.



9. Slide the aluminum tube (FFR# 25934) over the threaded rod and measure how much of the aluminum tube will need to be trimmed once the rod end is screwed on. Trim the tubing with a tubing cutter/hacksaw/cutoff wheel.
10. As you did with the rod end on the wiper motor, you will have to trim the threads on the rod end to clear the aluminum.
11. Place the aluminum tube over the threaded rod, then screw the rod end (FFR# 25724) onto the rod until tight.
12. Before installing the wheel box to the body you will have to trial fit the wiper arm to the wheel box. It is a tight fit, so you may have to spray the splines with some WD-40 or some oil and tap the wiper arm onto the splines. Remove the wiper arm from the wheelbox so you can bolt it to the body.



13. Follow the instructions in the assembly manual for bolting the wheelbox to the body.
14. Install the rod end on the wiper wheel box arm with the supplied jam nut (FFR# 25725) (1/2", 9/16" wrenches).



15. Install the wiper blade (FFR# 25629) onto the wiper arm (FFR# 25552).
16. Clip the wiper arm onto the shaft of the wiper wheel box, making sure that the tab on the arm clips into the channel on the wheel box shaft (clip shown).



17. Spray the windshield with water, or glass cleaner. Check the sweep by turning the wipers on – start with the slowest setting to avoid damaging the linkage or running the wiper beyond the windshield. Make any necessary adjustments, and the linkage installation is complete.

