

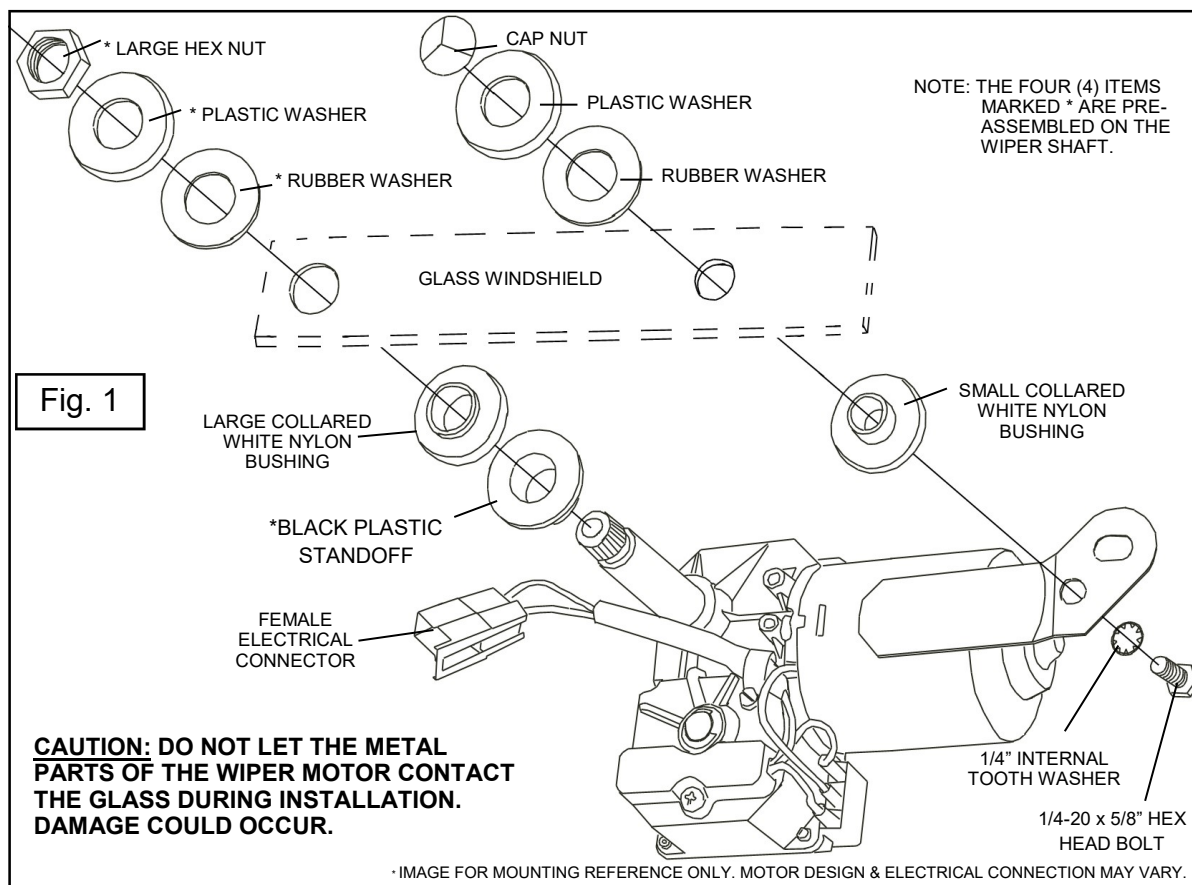
Windshield Wiper, J-Hook Arm

9PWK8512F9-11A = 85 degree sweep, 12" flex blade, 9-11" arm

1. INSTALL WIPER MOTOR (through glass windshield) (for sheet metal, see page 2)

- 1.1 Remove the rubber plugs from the windshield by inserting a screwdriver into the plugs from inside the cab and pushing them out. **WARNING: Avoid damage!** Do not pry against the windshield to remove the plugs from outside the cab.
 - 1.2 Remove the large hex nut, plastic washer, and rubber washer from the motor shaft making sure to leave the black plastic standoff on the motor shaft. Put the large white nylon bushing with the collar over the shaft as shown in Fig. 1.
 - 1.3 From the inside, insert the motor shaft out through the larger hole in the windshield until the white nylon bushing is against the windshield. Replace the rubber washer, plastic washer, and hex nut on the outside end of the shaft.
- Do not tighten completely at this point. **CAUTION: Make sure that the metal parts of the wiper motor do not contact the glass during installation. Damage could occur.**
- 1.4 From the inside, put the small white nylon bushing with the collar into the small hole in the windshield and pivot the wiper motor so that the small hole aligns with the hole in the bushing. Insert the 1/4-20 bolt through the internal tooth washer, the hole in the wiper motor bracket, the small bushing, and finally the windshield. Next, install the rubber washer, plastic washer, and cap nut.
 - 1.5 Tighten the bolts at this time. Tighten the hex nut on the motor shaft to 30 inch-lbs and the 1/4-20 hex head bolt to 24 inch-lbs. **WARNING: Over tightening wiper mounting hardware can damage windshield and components.**

Tighten only to specified values.



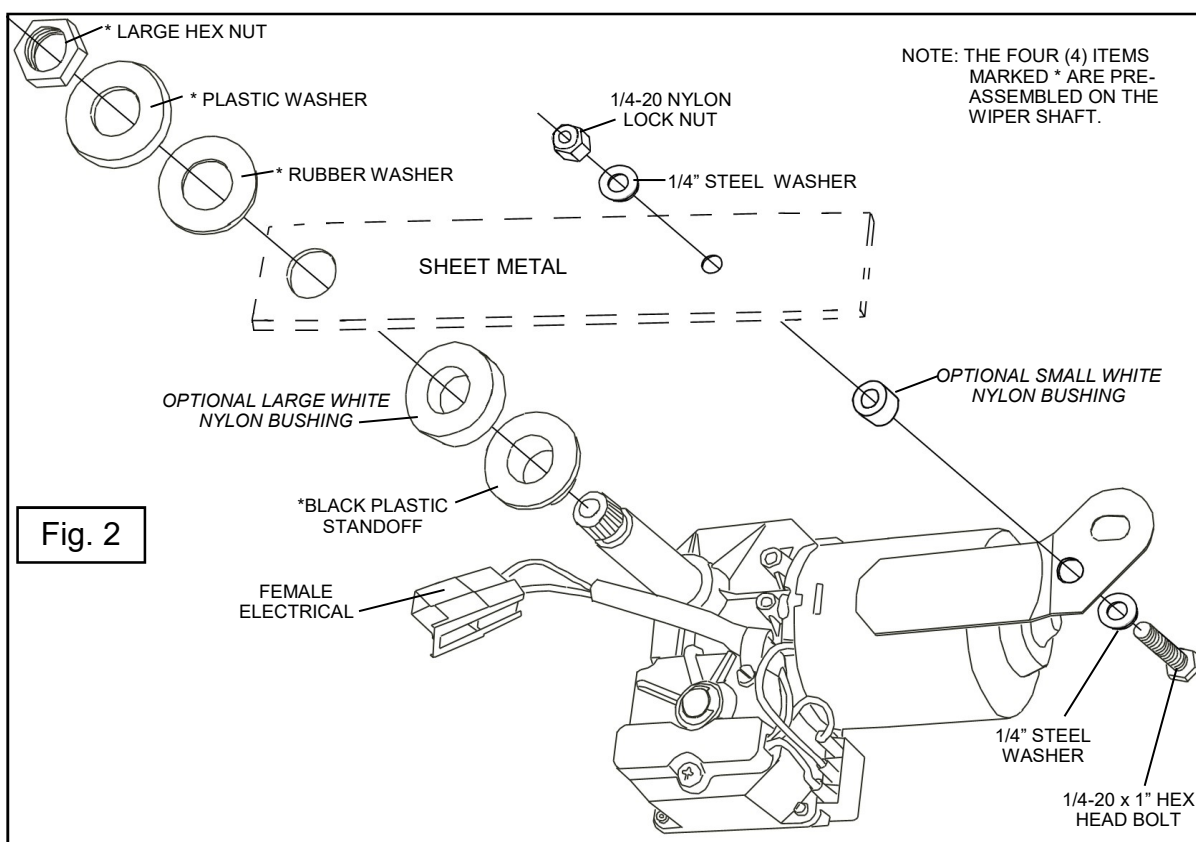
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p/n: IM-9PWK-J

2. INSTALL WIPER MOTOR (through sheet metal) (for glass windshield, see p. 1)

- 2.1 Remove the large hex nut, plastic washer, and rubber washer from the motor shaft making sure to leave the black plastic standoff on the motor shaft as in Figure 2.
- 2.2 From the inside, insert the motor shaft out through the larger hole in the sheet metal until the black plastic standoff is against the metal. (*Note: If the motor hits the window rubber, the optional nylon bushings can be added shown in italics in Figure 2*). Replace the rubber washer, plastic washer, and hex nut on the outside end of the shaft. Do not tighten completely at this point.
- 2.3 From the inside, pivot the wiper motor so that the small hole in the metal aligns with the hole in the motor bracket. Insert the 1/4-20 x 1" long bolt through the 1/4" flat steel washer, the hole in the wiper motor bracket, the metal, a second flat steel washer, and finally attach the locknut.
- 2.4 Tighten the bolts at this time. Tighten the hex nut on the motor shaft to 30 inch-lbs and the 1/4-20 hex head bolt to 75 inch-lbs. **WARNING: Over tightening wiper mounting hardware can damage components. Tighten only to specified values.**



3. DIRECT WIRING (without Curtis overhead console) (if using a Curtis overhead console, see step 4 below)

- 3.1 Disconnect negative battery cable.
- 3.2 Insert the male electrical connector on the wiring harness into the female electrical connector on the wiper motor.
- 3.3 Cover the wires with split loom and route the wires in the desired manner using the supplied p-clips and self drill/tap screws to secure the wires. Use one of the provided wire ties to hold the wire to the windshield support. Make sure that there is enough slack to allow the windshield to open completely.
- 3.4 Install the in-line fuse onto the positive wire. To install, cut the red fuse wire in half and install a butt connector on one of the cut ends and a ring terminal on the other end. Connect the red wire on the wiring harness to the butt connector. Connect the ring terminal to a positive power feed. The power feed may be an ignition switch wire which is only powered when the key is in the on position.
- 3.5 Connect the black wire on the wiring harness to a ground source.
- 3.6 Re-connect the negative battery cable and test wiper operation.

4. WIRING WITH CURTIS OVERHEAD CONSOLE

- 4.1 Insert the male electrical connector on the overhead console that is labeled wipers into the female electrical connector on the wiper motor. Secure the wires with the wire ties provided. The wiper is now controlled by the switch and fuse on the overhead console. Test the wiper operation making sure that the switch on the wiper motor is in the on position.

5. INSTALL WIPER ARM AND BLADE

- 5.1 Install the wiper blade onto the wiper arm, engaging the retainer clip into the J-hook on the arm. (see Fig. 5).
- 5.2 Lift the locking tab on the underside of the wiper arm and extend the wiper arm to the desired length.
- 5.3 **IMPORTANT:** Turn the wiper motor to the “off” position using the switch on the wiper motor so that it will cycle to the park position and stop. Make sure that the console wiper switch is “on” for this step.
- 5.4 Press the wiper arm onto the shaft so that it is positioned at seven (7) o'clock for 110 degree motors or at six (6) o'clock for 85 degree motors. Turn the wiper motor on and test its operation. Adjust the arm sweep by turning the blade, adjusting the arm length, or removing the wiper arm off of the motor shaft and reinstalling it at a different position.

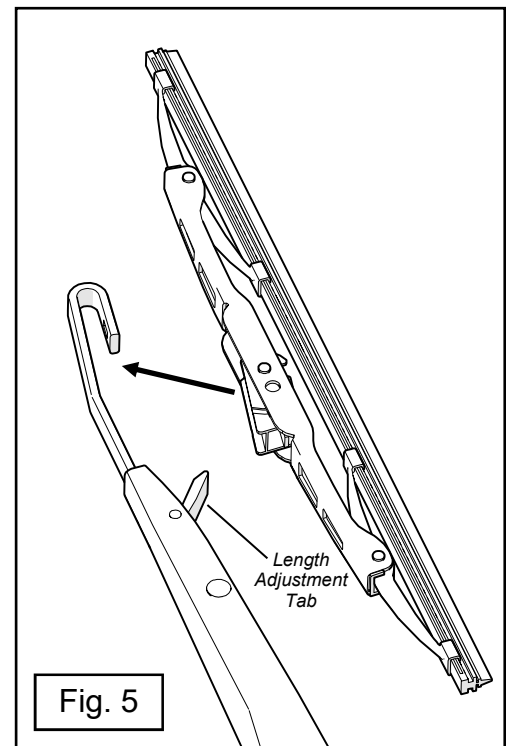


Fig. 5