

6-20 CHASSIS ELECTRICAL

To install, position the auxiliary arm over the pivot pin, (on 1989 and later models align the key-way on the pivot shaft) hold it down and push the main arm head over the pivot shaft. Ensure pivot shaft is in position, and that the blade assembly is positioned to the correct dimension. Hold the main arm head onto the pivot shaft while raising the blade end of the wiper arm and push the slide latch into the lock under the pivot shaft. Then, lower the blade to the windshield. If the blade does not touch the windshield, the slide latch is not completely in place.

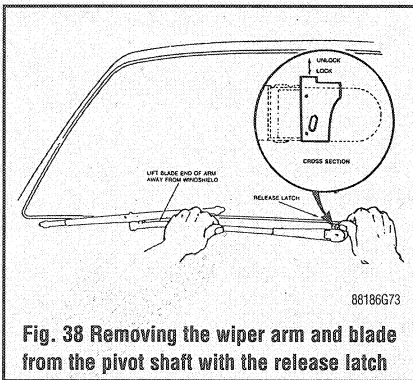


Fig. 38 Removing the wiper arm and blade from the pivot shaft with the release latch

Windshield Wiper Motor

REMOVAL & INSTALLATION

➔The internal permanent magnets used in the wiper motor are a ceramic (glass-like) material. Be careful when handling the motor to avoid damaging the magnets. The motor must not be struck or tapped with a hammer or other object.

Town Car 1988-89

See Figure 39

1. Disconnect the negative battery cable.
2. Disconnect the push-on wire connectors from the motor.
3. Remove the hood seal. Remove the right

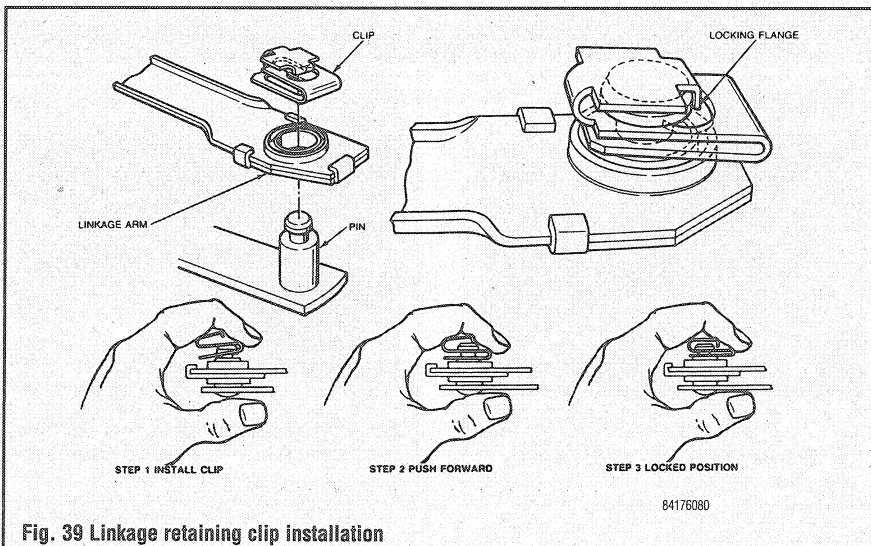


Fig. 39 Linkage retaining clip installation

wiper arm and blade assembly from the pivot shaft.

4. Remove the windshield wiper linkage cover by removing the two attaching screws and hose clip.
5. Remove the linkage-retaining clip from the operating arm on the motor by lifting the locking tab up and pulling the clip away from the pin.
6. Remove the bolts that retain the motor to the dash panel extension and remove the motor.
7. Installation is the reverse of the removal procedure.

Town Car 1990-00

1. Disconnect the negative battery cable.
2. Remove the rear hood seal. Remove the wiper arm assemblies.
3. Remove the cowl vent screws and disconnect the washer hoses from the washer jets.
4. Remove the wiper assembly attaching screws, lift the assembly out, and disconnect the washer hose.
5. Disconnect the electrical connectors from the wiper motor.
6. Unsnap and remove the linkage cover.
7. Remove the linkage-retaining clip from the motor operating arm by lifting the locking tab and pulling the clip away from the pin.
8. Remove the motor retaining screws and remove the motor from the vehicle.

To install:

9. Installation is the reverse of removal.

Continental 1988-94

1. Disconnect the negative battery cable.
2. Disconnect the power lead from the windshield wiper motor.
3. Remove the passenger side windshield wiper pivot arm.
4. Remove linkage-retaining clip from the windshield wiper mounting arm and pivot shaft to the windshield wiper motor by lifting the locking tab up and pulling clip away from the pin.

To install:

5. Position the windshield wiper motor assembly and install the retaining bolts.
6. Install the retaining clip on the windshield wiper mounting arm and pivot shaft.

7. Install the linkage on the windshield wiper mounting arm and pivot shaft. Ensure the windshield wiper mounting arm and pivot shaft is securely attached to the windshield wiper motor. Install the linkage by pulling until the clip snaps in place.

8. Install the passenger side cowl vent screen.

9. Connect the battery ground cable. Check the windshield wiper motor operation through all modes.

Mark VII

1. Turn the wipers on and when the blades are closest to full travel on the windshield, turn the key off.

2. Disconnect the negative battery cable.
3. Remove the arm and blade assemblies.
4. Remove the passenger side cowl vent screen.

5. Disconnect the linkage drive arm from the motor crankpin after removing the clip.

6. Disconnect the electrical connector of the wiper motor and remove the three retaining bolts of the wiper motor.

7. Pull the motor from the opening.

To install:

8. Reverse the removal procedure. Tighten all motor retaining bolts to 60-80 inch lbs. (7-9Nm)
9. Install the clip to wiper linkage.
10. Connect the linkage to motor by pushing linkage onto motor crankpin. Ensure the linkage is securely attached.

Mark VIII and 1995-00 Continental

➔When installing the drive arm to a new motor, follow the instructions included in the new motor kit.

1. Turn the ignition to the **RUN** position. Turn on the wipers and cycle to the mid-wipe position (straight up) and turn the ignition **OFF**.

2. Disconnect the negative battery cable.
3. Remove the passenger side and right-hand wiper arms.

4. Remove cowl top to hood seal.

5. Remove the driver's side and passenger side cowl vent screens.

6. Remove the four retaining screws and washers, and remove the cowl top extension.

7. Disconnect the two wiring connectors from the motor.

8. Remove the five retaining bolt and washer assemblies and one nut from the wiper module.

9. Lift the module slightly to disengage the support bracket from the dash panel mounting stud, move the module sideways about 2 inches (50.8mm) toward the passenger side and remove the module from the vehicle.

10. Disconnect the linkage drive arm from the motor crankpin after removing the clip.

➔Check the location of the support bracket on the module.

11. Remove the three retaining screws of the wiper motor and remove the motor from the module.

To install:

12. Installation is the reversal of the removal procedure.