

Component Procedures: Wiper Motor

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Component Procedures: Wiper Motor

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Front Motor	4864892	Wiper Motor, Front	250.00	
Rear Motor	55155322AB	Rear Motor	166.00	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Replace	Front Motor	B	0.8	0.6
Replace	Rear Motor	B	0.7	0.4

Rear (Article 2049043)

SYSTEM DESCRIPTION

The

rear wiper motor

is secured on the inside of the lift-glass with a slotted bracket that fits onto a grommet under the right lift-glass hinge mounting nut. The motor output shaft passes through the lift-glass, where a rubber gasket and a plastic bezel and nut unit seal and secure the output shaft to the outside of the lift-glass. The rear wiper arm

is secured directly to the motor output shaft.

The rear

wiper motor

unit contains an internal park switch. The motor also contains an automatic resetting thermal switch for overload protection.

wiper

motor cannot be repaired. If faulty or damaged, the entire

rear wiper motor assembly

must be replaced.

Front (Article 2049042)

SYSTEM DESCRIPTION

The two-speed permanent magnet

wiper motor

has an integral transmission and park switch. The motor also contains an internal automatic resetting circuit breaker to protect the motor from overloads. The motor is secured to the

wiper

linkage and pivot module bracket with three screws and is protected by a rubber boot. The wiper motor output shaft passes through a hole in the module bracket, where a nut secures the wiper motor crank arm to the motor output shaft.

Wiper speed is controlled by current flow to the proper set of brushes. The wiper motor completes its wipe cycle when the

windshield wiper switch

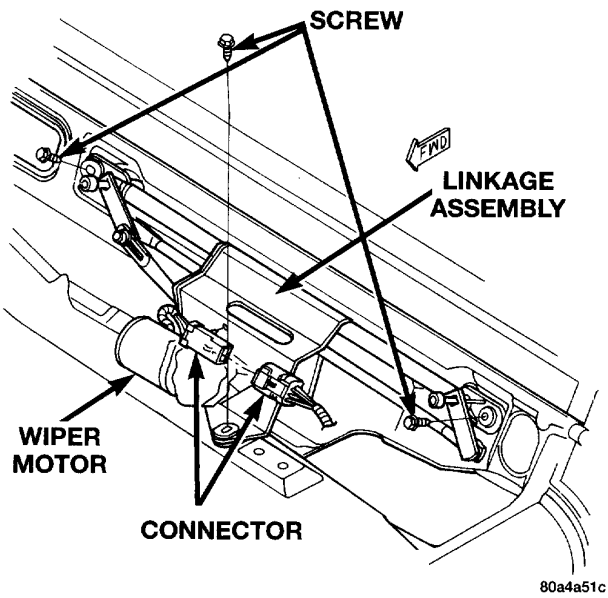
stalk is moved to the Off position, and parks the blades in the lowest portion of the wipe pattern.

The

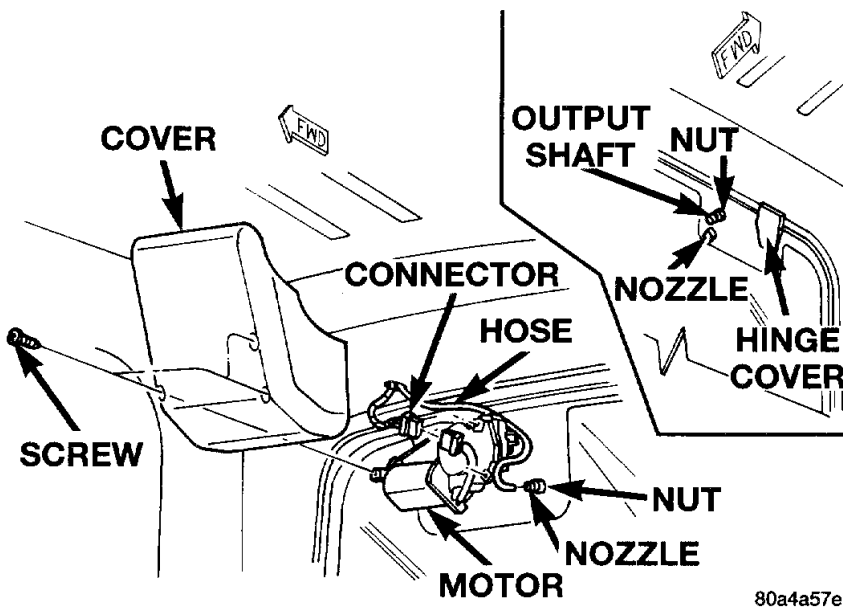
windshield wiper motor

cannot be repaired. If faulty or damaged, the entire wiper motor and boot assembly must be replaced. The wiper linkage and pivots module, which includes the wiper motor, is also available for service.

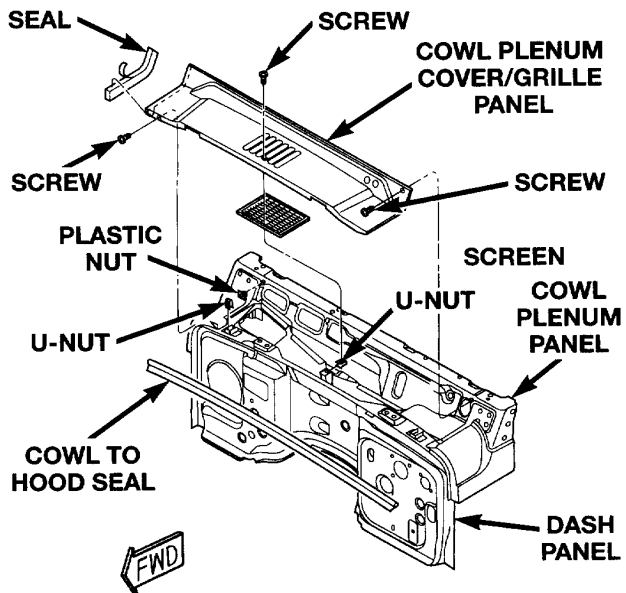
Components (itype_32)



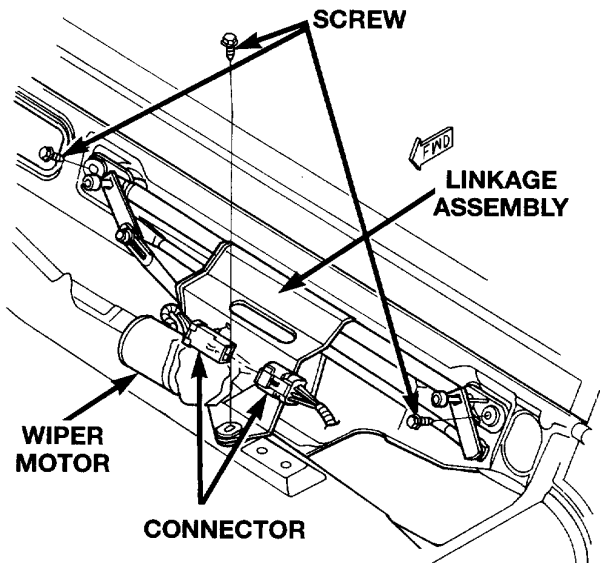
Rear Wiper Motor Replacement (Article 2049197)



Replacement (Article 2049194)



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Mechanical (including Torque) (itype_28)

Tighten the mounting hardware as follows:

Wiper motor

screws -

6 N.m (53 in. lbs.)

Crank arm nut -

11.5 N.m (101 in. lbs.)

Wiper module

bracket screws -

7.9 N.m (70 in. lbs.)

Cowl plenum cover/grille panel screws -

1.7 N.m (15 in. lbs.)

Wiper

motor output shaft nut -

3.3 N.m (30 in. lbs.)

Liftglass hinge nut -

Wiper motor cover screws -
1.1 N.m (10 in. lbs.)