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# GROUP 10

## WINDSHIELD

### WIPER

### AND

## WASHER

## SYSTEM

Section	Title
<b>A</b>	Windshield Wiper and Washer System Removal and Installation . . . . .

# SECTION A

## WINDSHIELD WIPERS ALL SERIES

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## DIVISION IV

### REMOVAL AND INSTALLATION

#### 10-1 43-44000 SERIES WIPER MOTOR (NON-DEPRESSED)

1. Disconnect battery.
2. Remove cowl screen.
3. Loosen the two (2) nuts on the adjustable motor drive-link at the crank arm and slip drive-link off. See Figure 10-1.
4. Remove electrical connectors from washer motor and pump.
5. Disconnect washer pump hoses.
6. Remove three (3) bolts securing motor to cowl and carefully lift motor away from cowl.
7. To reinstall motor, reverse the above removal procedure.

#### 10-2 43-44000 SERIES WIPER MOTOR (DEPRESSED PARK)

1. Disconnect battery.
2. Remove hoses from washer nozzles.
3. Remove rubber weatherstrip and cowl screen.
4. Use a 3/8" socket and loosen the two (2) nuts on the adjustable motor drive-link at the crank arm and slip off.
5. Disconnect washer hoses and electrical connectors from pump and motor.
6. Remove three (3) wiper motor to cowl retaining screws, using a 5/16" socket.
7. To reinstall wiper motor, reverse the removal procedure.

#### 10-3 45-46-48-49000 WIPER MOTOR

1. Disconnect battery.
2. Remove cowl screen.
3. Using a 3/8" socket, loosen two (2) nuts on the wiper transmission drive-link to wiper motor cranking arm and slip drive-link off of cranking arm.
4. Disconnect washer pump hoses and two (2) electrical connectors, one from washer pump and one from wiper motor.

5. Using a 5/16" socket, remove three (3) screws holding motor to cowl.

6. To reinstall, reverse removal procedure.

#### 10-4 WASHER PUMP REMOVAL (ALL DEPRESSED PARK SYSTEMS)

**NOTE:** *This operation can be done with washer motor on or off the car.*

1. Remove washer pump hoses.
2. Disconnect electrical connector at pump.
3. Snap off plastic shield.
4. Remove three (3) screws securing pump to motor and lift pump off of motor.
5. To install washer pump, reverse removal procedure. Rotate washer pump drive cam so that hole in cam and hole in washer pump mounting plate are aligned. Insert a length of 1/8" rod through pump mounting plate and cam to maintain alignment while installing pump on wiper motor.

#### 10-5 43-44000 SERIES WIPER TRANSMISSION

1. Disconnect washer hose from washer nozzles.
2. Remove rubber weatherstrip from front of cowl screen and five (5) snap clips from the rear of the screen; then remove the cowl screen.
3. Use a 3/8" socket and loosen the two (2) nuts on the drive-link socket bearing at the crank arm and slip drive-link link off of the crank arm. See Figure 10-1.
4. Remove both wiper arm and blade assemblies.
5. Remove two (2) screws from the right and left transmission pilot shaft with a 5/16" socket. The third screw on the left side takes a 7/16" socket and should be removed last.
6. With the transmission assembly laying loose, rotate it towards front of car and remove through the access hole in right side of cowl.
7. To reinstall transmission, reverse the removal procedure.

#### 10-6 45-46-48-49000 SERIES WIPER TRANSMISSION

1. Remove cowl screen.
2. Remove both wiper blade assemblies.
3. Loosen the two (2) drive-link to crank arm adjusting nuts and slip drive-link off crank arm.

**10-4 WINDSHIELD WIPERS—ALL SERIES**

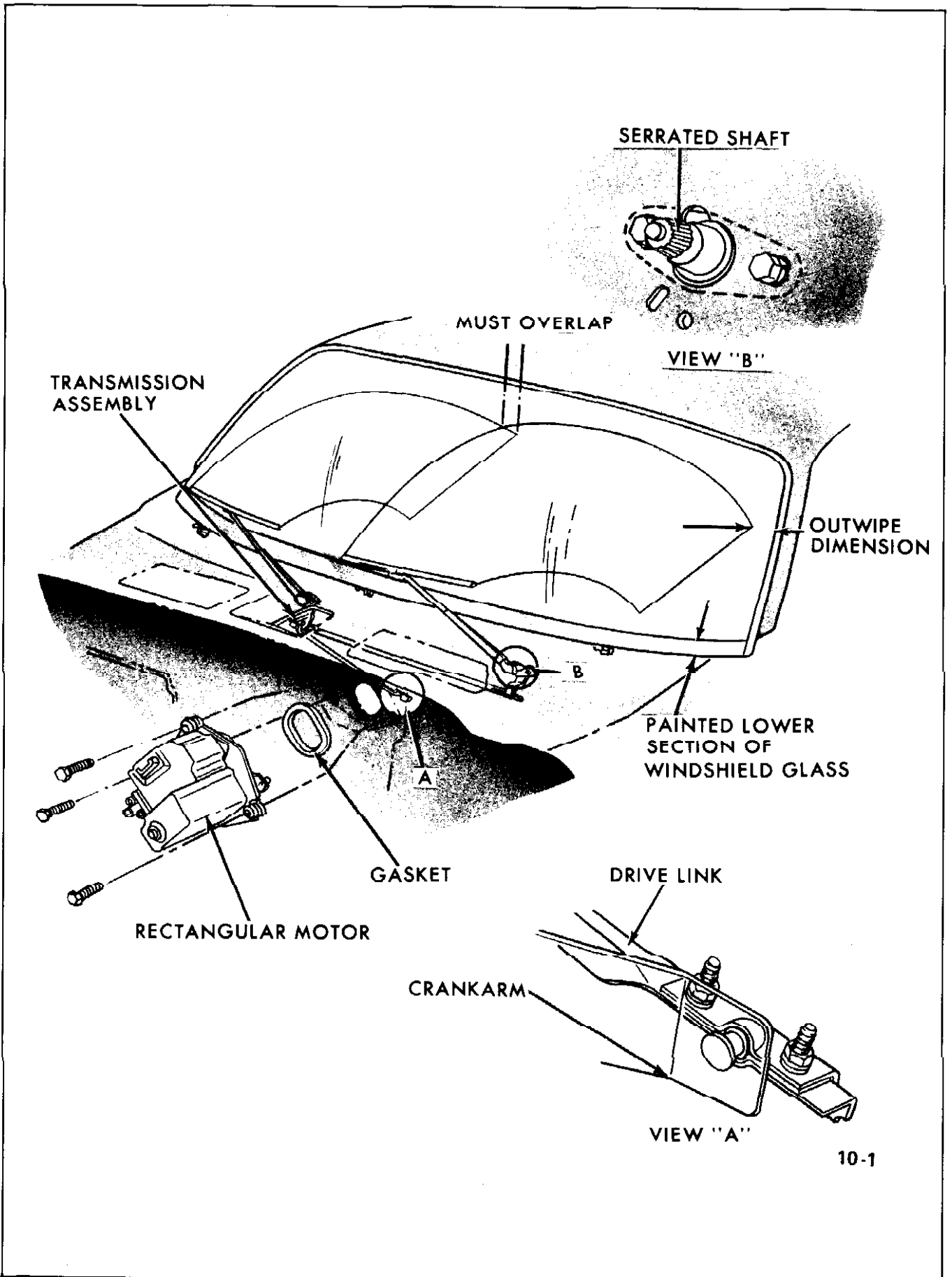
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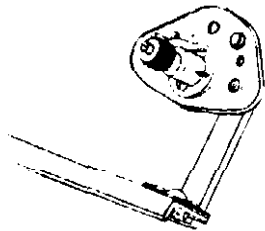
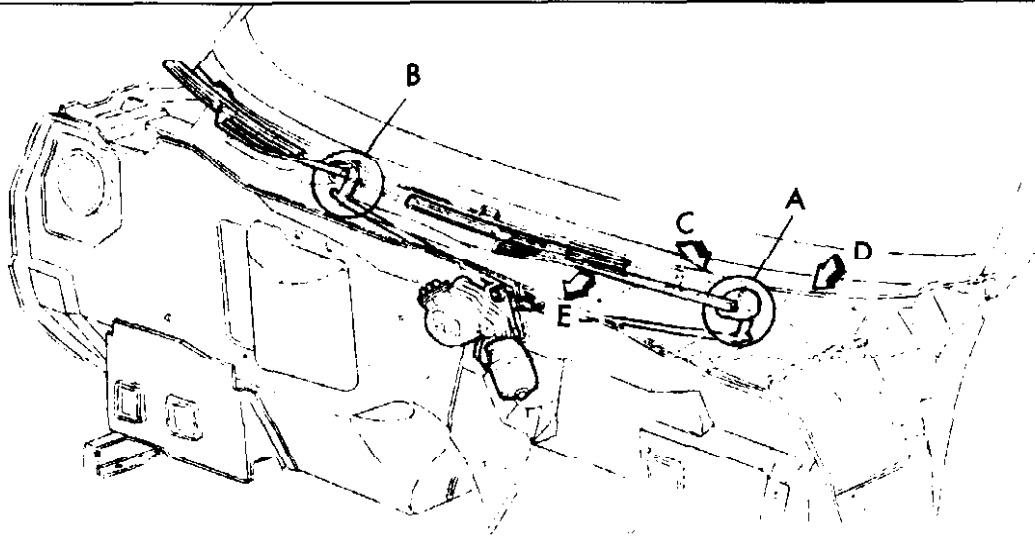
4. Remove the two (2) wiper blades and wiper arm assemblies.

5. Remove six (6) bolt securing wiper transmissions to

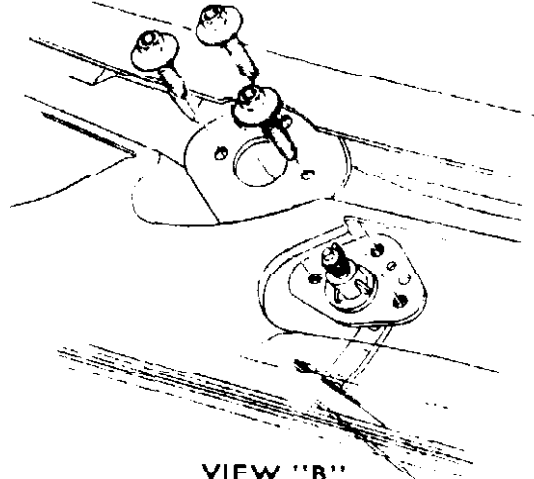
cowl, three on each side at the serrated head of output shaft.

6. To reinstall transmission assembly, reverse removal procedure.

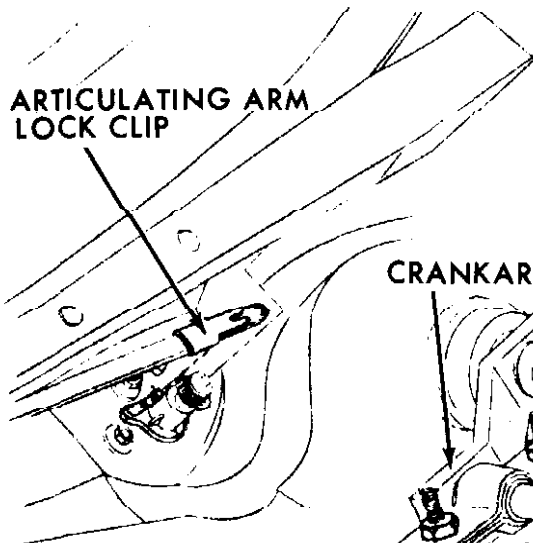




VIEW "A"

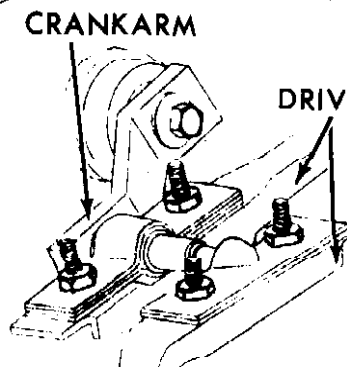


VIEW "B"



ARTICULATING ARM  
LOCK CLIP

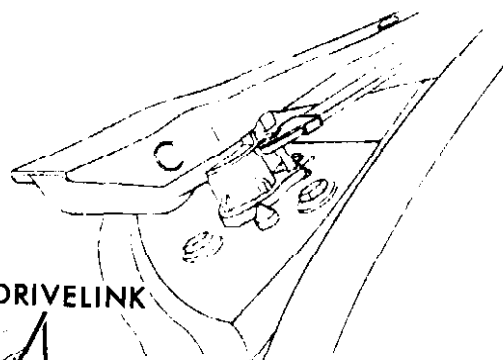
VIEW "C"



CRANKARM

DRIVELINK

VIEW "E"



VIEW "D"