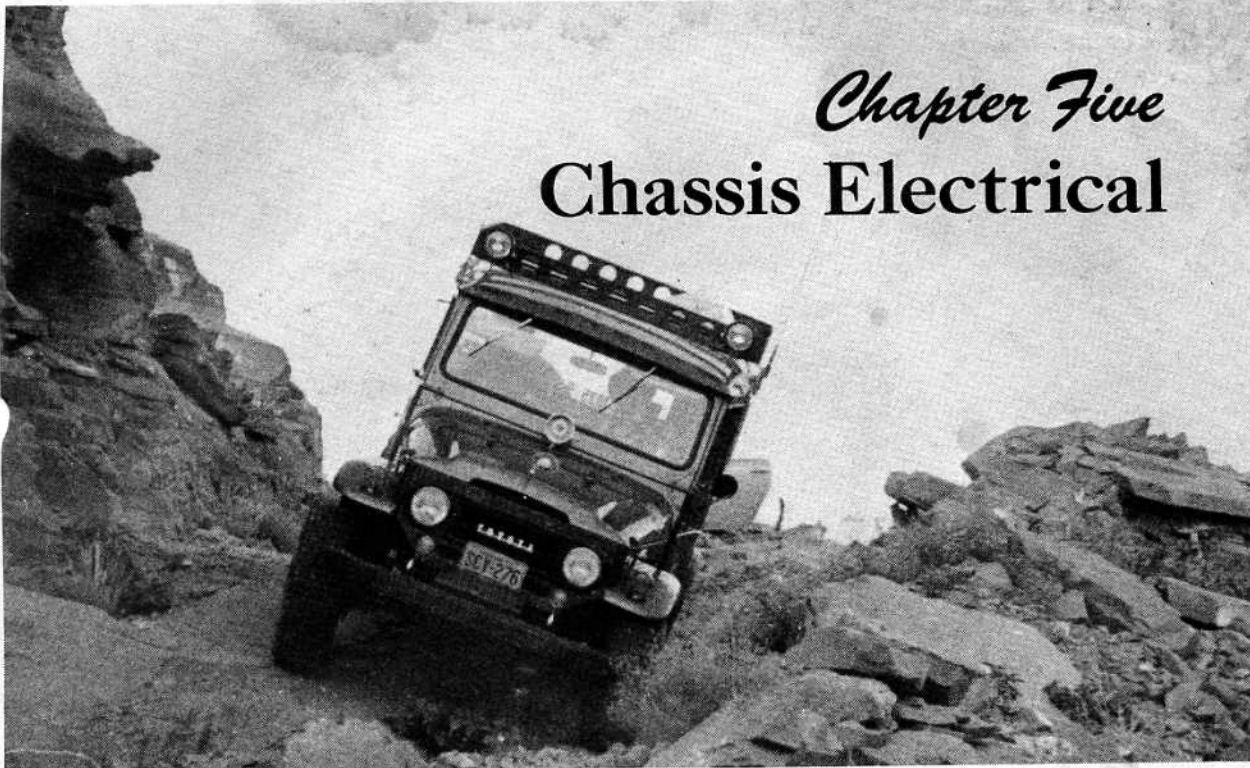


Chapter Five

Chassis Electrical



Heater

BLOWER

Removal and Installation

1. Loosen the air duct clamp screws and remove the ducts.
2. Remove the air duct screen.
3. Remove the retaining screws and remove the blower motor complete with the fan.
4. Install in the reverse order of removal.

CORE

Removal and Installation

FRONT HEATER

1. Turn off the water valve.
2. Disconnect both hoses from the heater core.
3. Remove the air duct clamp.
4. Disconnect the defroster hoses from the heater box.
5. Remove the attaching screws and remove the heater core.

6. Install in the reverse order of removal.

Windshield Wipers

BLADE AND ARM

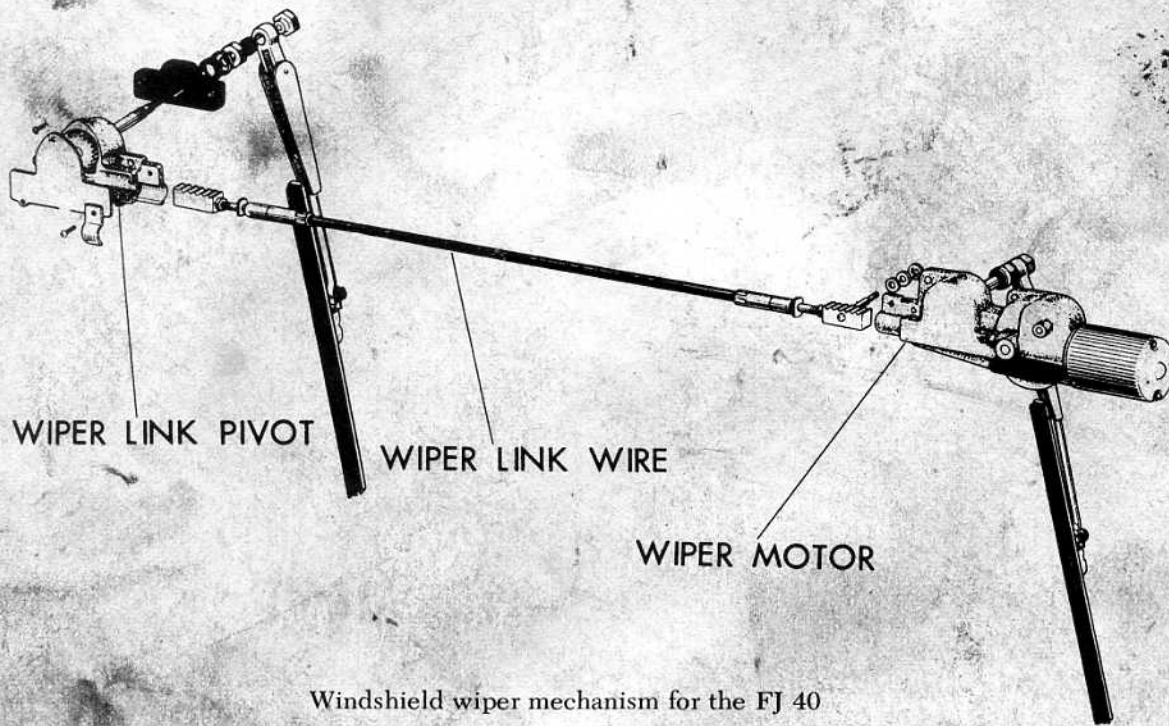
Replacement

FJ 40

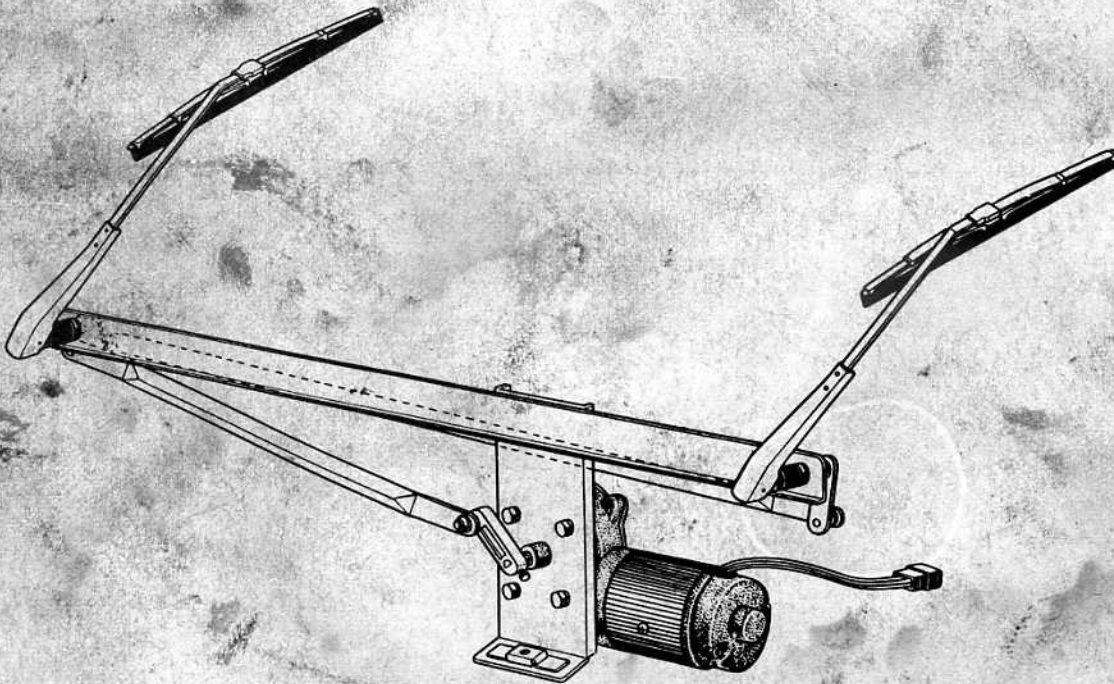
1. Remove the wiper arm attaching nut from the pivot shaft.
2. Lift the wiper arm and blade assembly from the pivot shaft.
3. Install the wiper arm and blade assembly in the reverse order of removal, taking note to the correct positioning of the wiper arm on the pivot shaft.

FJ 55

1. Lift the wiper arm and blade away from the windshield as far as possible. This will release the catch from the pivot shaft.
2. Pull the wiper arm from the pivot shaft.
3. Install in the reverse order of re-



Windshield wiper mechanism for the FJ 40



Windshield wiper mechanism for the FJ 55

removal, taking note to the correct positioning of the wiper arm.

MOTOR

Removal and Installation

1. Disconnect the wiper link from the motor.
2. Remove the two bracket attaching bolts at the rear side.
3. Remove the wiper motor attaching

screws, and disconnect the wiring, then remove the wiper motor.

4. Install the wiper motor in the reverse order of removal.

LINKAGE

Removal and Installation

FJ 55

1. Remove the wiper motor.
2. Remove the wiper arms.

3. Remove the instrument panel and loosen the throttle wire to facilitate the removal of the wiper linkage.
4. Remove the wiper linkage attaching bolts and remove the linkage.
5. Install the linkage in the reverse order of removal.

FJ 40

1. Remove the wiper arm assemblies.
2. Remove the end plate from the pivot housing.
3. Remove the wiper motor complete with the linkage cable.
4. Separate the wiper motor and transmission.
5. Remove the linkage cable.
6. Install in the reverse order of removal.

Instrument Cluster

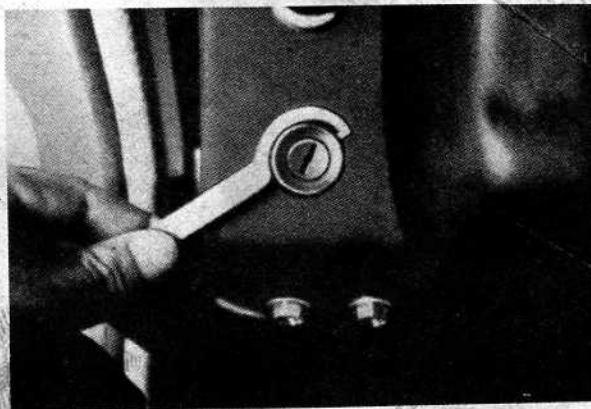
Removal and Installation

1. Disconnect the speedometer cable.
2. Remove the instrument panel attaching screws.
3. Loosen the steering column clamp by removing the attaching bolts.
4. Pull out the instrument panel and the speedometer, disconnect the wiring connectors, and remove the panel.
5. Install the panel in the reverse order of removal.

Ignition Switch

Removal and Installation

1. Disconnect the wiring from the rear of the ignition switch, taking note of the positions of the wires.
2. Remove the trim ring with a spanner wrench. There are two small holes in the side of the trim ring for the spanner wrench to engage.
3. Install the switch in the reverse order of removal.



Removing the ignition switch trim ring with a spanner wrench

Lighting (Headlights)

Removal and Installation

1. Remove the radiator grille.
2. Remove the three headlight retaining ring screws and remove the retaining ring.
3. Pull the headlight part-way out and disconnect the electrical connector from the rear of the headlight and remove the light.
4. Install the headlight in the reverse order of removal, making sure that the locating tabs on the rear of the headlight seat in the notches in the headlight dish.

Light Bulb Specifications

Headlights	50/40 watts
Parking lights	8 watts
Front turn signals	25/8 watts
Combination taillights	25/8 watts
Back-up lamp *	25 watts
License plate light **	10 watts
Side marker lights	8 watts
Interior light	10 watts

* Station wagon—12 watts

** Station wagon—8 watts

Fuses and Fusible Links

The fuse box is located on the left-hand side, underneath the dashboard, on all models.

All models are equipped with fusible links on the battery cables running from the positive (+) battery terminal.

The circuits protected by the fuses and the fuse ratings (amps) are given below.

