

## JEEP

Jeep  
Cherokee  
Wagoneer

### DESCRIPTION

Jeep power seats can be adjusted six ways; up, down, forward, backward, tilt forward and tilt backward. The control switch is located on the left lower side of the drivers seat. The switch has three levers; the middle lever raises or lowers the complete seat, as well as moving it forward or rearward. The two side levers raise or lower the front and back of the seat. A permanent magnet reversible motor is connected by cables to rack and pinion assemblies located in the seat tracks. The circuit is protected by a 30 amp. circuit breaker on the fuse block.

### TESTING

#### ELECTRICAL CIRCUITS

- 1) With battery fully charged and all electrical connections cleaned and tightened, turn dome light on and operate seat switch. If dome light dims, seat may be jamming. Check for binding. If dome light does not dim, proceed with tests.
- 2) Using a 12 volt test light, disconnect wiring harness at connector under seat. Connect test light between red and black wire in female connector. If lamp lights, harness to seat is good. If lamp doesn't light, check for blown circuit breaker, continuity in red and black wires at connector and proper ground.
- 3) Reconnect harness under seat and remove switch from seat harness. To check rear motor of switch, connect a covered jumper wire between red terminal in center motor and either light blue or orange connection in rear motor. Connect a second jumper wire between black terminal in center motor and open connection in front motor.
- 4) If motor does not operate, reverse jumpers in front motor. If motor still does not operate, the harness or complete three-motor assembly is defective. To check center motor proceed as follows;
  - 5) Connect a covered jumper wire between red terminal of center motor and white or tan terminal of center motor. Connect a second jumper wire between black terminal of center motor and open connection in center motor. If motor does not operate, reverse white and tan wires. If motor still does not operate, harness or three-motor assembly is defective.
- 6) To check front motor, connect covered jumper wire between red terminal in center motor and green or yellow connection of rear motor. Connect second jumper wire between black terminal of center motor and open connection in rear motor. If motor does not operate, reverse wires on rear motor. If motor

still does not operate, harness or three-motor assembly is defective. If all motors and seat operate properly, the switch is bad and should be replaced.

### REMOVAL & INSTALLATION

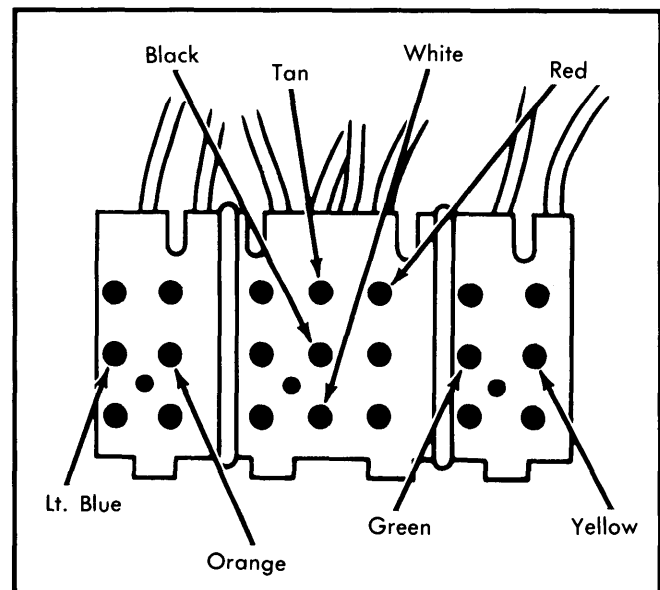
#### SEAT ASSEMBLY

- 1) Disconnect negative battery cable. Remove nuts attaching seat assembly to floorpan.
- 2) Tilt seat and disconnect wiring harness. Remove seat assembly from vehicle. To install, reverse removal procedure.

#### MOTOR

**NOTE** — Whenever the motor, cable and housing assemblies are removed or serviced, they must be synchronized to ensure proper operation.

- 1) Remove seat assembly as previously outlined. Lay seat assembly on its back on a clean surface.
- 2) Remove motor mounting screws. Disconnect housings and cables from motor assembly and remove motor. To install, reverse removal procedures.



**Fig. 1 Electrical Test Connections**