

1970-74 FORD MOTOR CO. 2-WAY

► CHANGES, CAUTIONS, CORRECTIONS

► **NOISY AND/OR RESTRICTED TRAVEL** — May be due to studs installed in place of screws at rear track-to-floor attachments. To correct, remove studs and install 3/8"-16 by 1 1/4" hex screws.

DESCRIPTION & OPERATION

Each two way seat is adjusted forward or backward in a horizontal plane by a single electric motor. Flexible shafts connect the motor to the transmission and horizontal rack. Motor is energized by a toggle switch which controls direction of seat travel by controlling direction of motor shaft rotation. Electrical system is protected by a 30 Amp. circuit breaker behind glove box, remove glove box filler for access. Cougar models have a 20 Amp. circuit breaker located in engine compartment at starter motor relay or junction block.

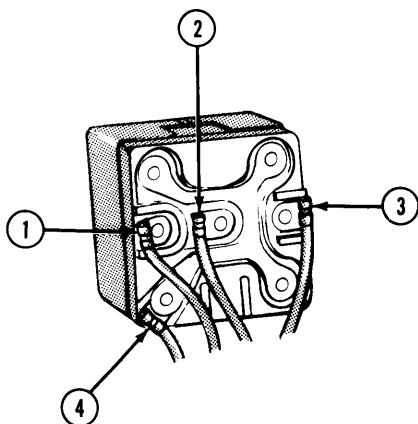
TESTING

MOTOR

1) Disconnect motor leads from circuit. Connect 12 volts to motor, and motor should run in one direction, reverse connection and motor should run in opposite direction. If motor does not run, replace motor. Before replacing motor be sure seat is not stuck.

2) If seat is stuck in position, loosen motor mounting screws to eliminate possibility of binding. Check tracks and drive mechanism for foreign material. If motor still will not run after making sure seat is free to move on tracks, replace motor. If motor runs in both directions, replace gear in regulator gear box.

2-WAY SEAT SWITCH TEST



① MOTOR TERMINAL - FORWARD

② GROUND

③ MOTOR TERMINAL - REARWARD

④ BATTERY FEED

SEAT SWITCH TEST CONNECTION

SYSTEM CHECK-OUT

If system does not operate properly, check and test components in the following order:

- 1) Check circuit breaker for current "in" and "out". Check for current feed to switch on seat in both switch positions.
- 2) At motor, test harness for continuity between switch and motor connections. If continuity OK, perform motor test as outlined above.
- 3) If system checks OK electrically at all components and motor runs in either direction, check for binding or defects in mechanical components.

COMPONENT REPLACEMENT

SEAT & TRACK ASSEMBLY

Removal — Seat sensor switch must be disconnected from seat belt wiring harness before removing seat. Remove nuts or bolts retaining seat track to floor pan. Lift seat up far enough to disconnect seat motor wires. Remove seat and track assembly from vehicle.

2) Remove seat side shield (if equipped). Release drive cable tube clamp and disconnect drive cable from each transmission assembly. Remove bolts from each transmission and disengage transmission from track assembly. The tracks will now move freely and permit access to seat cushion-to-track bolts. Power can also be applied to gain access to these bolts. Remove bolts and remove track from cushion.

Installation — To install tracks, reverse removal procedure. After installation of tracks, proceed to synchronize as follows: Operate seat until one adjuster reaches full forward position. Detach cable from this adjuster, now operate seat forward until other adjuster reaches full forward position. Connect drive cable and check operation of seat.

MOTOR & DRIVE CABLES

Removal — Remove seat track-to-floor pan retaining nuts and washers, disconnect seat motor and seat sensor switch wires. Remove seat and track assembly from vehicle. With seat on bench, release drive cable tube clamp and disconnect drive cable from each transmission assembly.

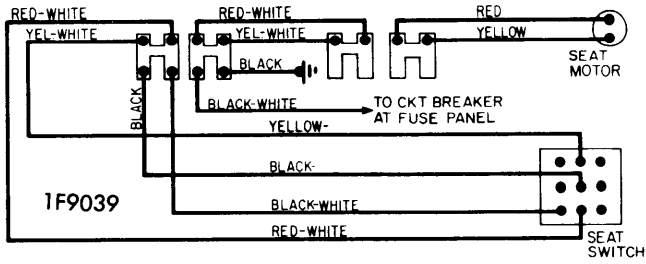
2) Remove motor-to-mounting bracket attaching screws and remove motor and drive cables from track assembly. Remove drive cable retaining bracket from right end of motor and disconnect drive cable assemblies from motor. Pull drive cables out of cable tubes. To install, reverse removal procedure.

TRANSMISSION & RACK ASSEMBLY

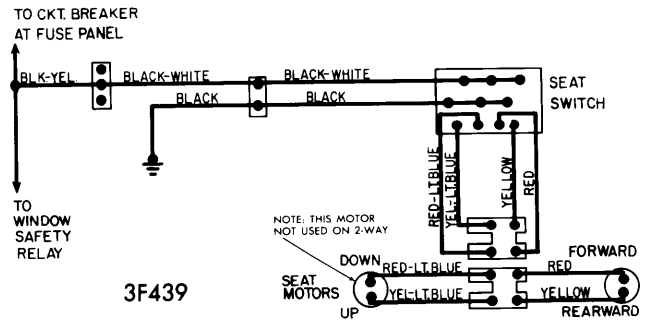
Removal — Remove seat track-to-floor pan retaining nuts. Disconnect seat motor and seat sensor switch wires. Remove seat and track assembly from vehicle. Release drive cable tube clamp and disconnect drive cable from transmission to be removed. Remove mounting bolts from transmission, spacer, pinion bushing, and spring clip. Remove cotter pin and washer retaining rack to be replaced and remove rack from seat track. To install, reverse removal procedure.

Power Seat Controls

1970-74 FORD MOTOR CO. 2-WAY (Cont.)



**1970-72 2-WAY POWER SEAT WIRING
CONTINENTAL MARK III,
THUNDERBIRD & LINCOLN CONTINENTAL**



**1973-74 FORD MOTOR CO. 2-WAY
POWER SEAT WIRING DIAGRAM**