

1970-72 FORD MOTOR CO. 6-WAY

Ford, Mercury, Meteor (1970-72)
 Lincoln Continental (1970-72)
 Continental Mark III & IV (1970-72)
 Thunderbird (1970-72)

GENERAL INFORMATION

Six-way power seats are installed in various models in three different types. Options available are as follows:

- 1) **Bucket-Seat** – Available for Ford, Meteor, Continental Mark III, Mercury and Thunderbird.
- 2) **Split-Bench** – Available for Ford, Meteor, Continental Mark III, Mercury, Thunderbird and Lincoln Continental.
- 3) **Bench-Type** – Ford, Meteor, Mercury, Thunderbird and Lincoln Continental.

All three above types are basically the same, and provide horizontal, vertical and vertical tilt adjustments. Adjustments are performed by a reversible three armature motor (Tri-Motor), a switch and housing assembly, vertical worm gear drives and horizontal rack and pinion drives. The forward control switch controls the vertical tilt of the front of the seat and the rear switch controls the vertical tilt of the rear of the seat. The center switch controls both horizontal and vertical movement of the entire seat.

Circuit protection is afforded by a 30 amp. circuit breaker mounted on the starter solenoid. Both the horizontal and vertical drive units are serviceable individually. The Tri-Motor assembly is serviced only as a complete assembly. The flexible shafts are serviced individually. The switch and housing assembly is serviceable as a complete assembly. The wiring harness should be disconnected at the power source, not at the switch.

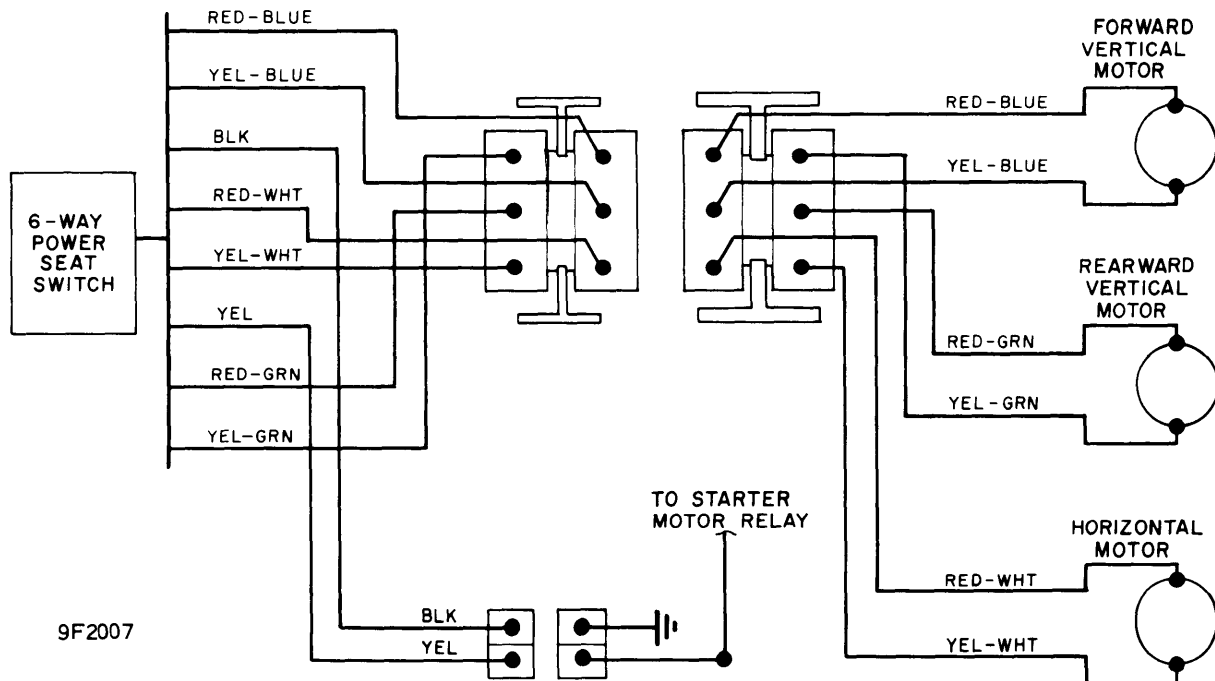
TROUBLE SHOOTING

NO Seat Movement – The following checks can be of help in isolating a defective or malfunctioning component. It is suggested the checks be made in the sequence indicated.

- 1) Check circuit breaker feed "in" and operating current "out". Check circuit continuity from circuit breaker to control switch.
- 2) Check connector and harness from control switch on Tri-Motor. Check Tri-Motor ground circuit.
- 3) Check for stuck or binding mechanical components. Check for foreign material wedged in actuating mechanism.

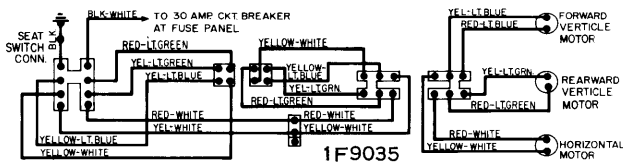
SOME Seat Movement – If the seat will adjust in one or more planes but not in all, it can be assumed that current is available at the control switch. Therefore, an existing defect may be isolated as follows:

- 1) Test the control switch for current "out" in each of the switch positions. Jiggle the switch button in each position to check for intermittent contact. Check wiring for continuity between the control switch and Tri-Motor connectors.
- 2) Check for proper ground circuit of seat assembly and Tri-Motor. Check each motor for rotation in either direction as current is applied to the motor terminals. If any motor does not function in both directions, replace the Tri-Motor assembly.
- 3) Check for stuck or binding mechanical components. Inspect for foreign material wedged in actuating mechanism.



FORD, METEOR & MERCURY 6-WAY WIRING DIAGRAM

1970-72 FORD MOTOR CO. 6-WAY (Cont.)



6-WAY POWER SEAT WIRING
THUNDERBIRD & CONTINENTAL MARK III

COMPONENT REPLACEMENT

Seat Track

1) Remove nuts attaching seat track to the floor pan. Lift the seat slightly and disconnect the motor wires. Remove assembly from the vehicle.

2) With the seat upside down, disconnect the switch wires at the connectors and remove the shield from the outboard side of the cushion. Remove bolts attaching track to seat frame and remove the track assembly.

3) To install, reverse removal procedure.

Motor & Drive Cables

1) Remove seat assembly from vehicle. Remove motor attaching bolts, remove clamps attaching cables to seat tracks.

2) Open wire retaining straps and remove motor and cables. Remove cable retaining brackets and remove drive cables from motor assembly.

3) To install, reverse removal procedure.

Right or Left Track

1) Remove seat assembly from vehicle, remove right and left cushion side shields from cushion.

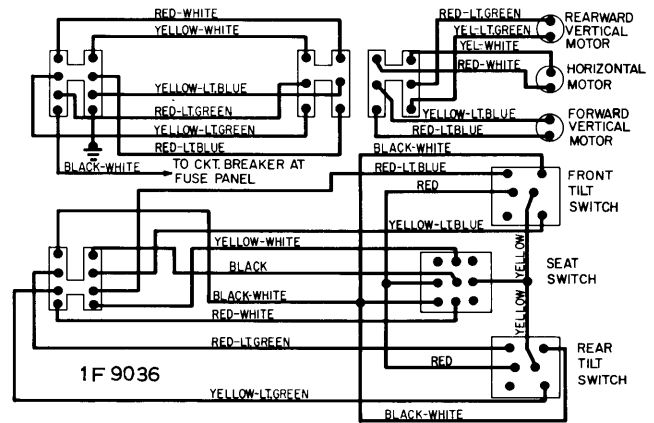
2) Remove retaining clamps and disconnect drive cables from tracks.

3) If motor bracket is attached to track being replaced, remove bracket-to-track screws and remove bracket, motor and drive cables as an assembly.

4) If motor bracket is not attached to track being replaced, remove motor to bracket screws and remove motor and cables as an assembly.

5) On bucket and split-bench seats only, remove cotter keys and pivot pins that attach torsion bars to ends of each track and remove the torsion bars. Remove track-to-seat cushion frame bolts and remove track.

6) To install, reverse removal procedure.



6-WAY POWER SEAT WIRING
LINCOLN CONTINENTAL