1966-73 FORD MOTOR CO. SEQUENTIAL

Cougar (1967-73)
Thunderbird (1966-73)

DESCRIPTION

System consists of a 20 ampere fuse in fuse panel, a Turn Signal Flasher, a Turn Signal and Emergency Indicator Switch Assembly, a Transistorized Sequencer Assembly in luggage compartment, two indicator lights in instrument cluster, eight outside lights (two front, six rear), and four side marker lights.

OPERATION

Electrical feed source originates through ignition switch and is routed through a set of contacts in each of the following units: **1)** Turn signal flasher (contacts normally closed). **2)** Emergency warning switch (contacts open with switch in OFF position). **3)** Turn signal switch (contacts normally closed). When turn signal switch lever is moved into a turn position, electrical feed is directed to two separate circuits:

Circuit No. 1 – Electrical feed is directed to transistorized sequencer and also energizes front turn signal bulb, side marker bulb and indicator bulb (on instrument cluster) for turn selected.

Circuit No. 2 – Electrical feed is directed to transistorized sequencer, side marker bulb and also energizes inboard bulb (of three rear lights) on side selected.

With above circuits energized simultaneously, sequencer begins to control electrical feed to rear lights and thus creates sequential effect. The outside lights of side selected illuminate in the following order:

1) Front light and inboard rear light always illuminate first and remain on.

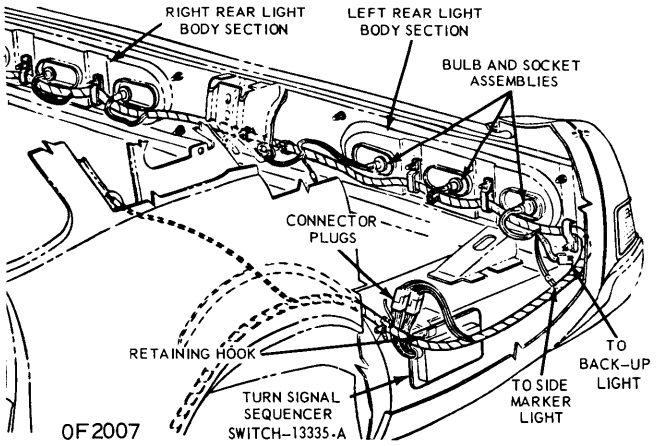
2) Center light of three rear lights then illuminates and and also stays on.

3) Outboard rear light illuminates. At this point (when current load routed through turn signal flasher reaches four light stage) contacts in turn signal flasher open, extinguishing outside lights and indicator bulb. Turn signal flasher contacts close again and cycle repeats itself until signal switch is returned to neutral position.

Opening and closing of turn signal flasher contacts causes flashing effect of front light and indicator bulb. In addition, control relays for cornering and supplemental stop lights (if equipped) are activated by the turn signal system. Brake application during a turn will illuminate only three lights.

BURNED OUT LIGHTS

When one of eight exterior light bulbs burns out, the three remaining good bulbs on the affected side will sequence until all three are lighted. They will remain lighted until turn signal switch is returned to neutral position. Also remaining lighted will be the affected indicator light in instrument cluster, cornering light on side affected (if equipped), and supplemental stop light on side affected (if so equipped). A burned out cornering light or supplemental stop light, will not affect operation of Sequential Turn System.



COUGAR REAR LIGHTS, SEQUENCER AND WIRING

REMOVAL & INSTALLATION

TRANSISTORIZED SEQUENCER SWITCH

For access to the Sequencer Switch, open the trunk and remove the left quarter trim panel (Cougar) or the spare wheel (Thunderbird). To remove the switch, disconnect the two multiple connectors and lift the assembly from its retaining hooks (Cougar) or remove the screw that retains the switch to the rear seat cushion body brace (Thunderbird). To install, reverse removal procedure.

EMERGENCY INDICATOR FLASHER

Cougar – Unit is clamped in bracket mounted in the instrument panel at the lower right edge of the radio opening. To replace, disconnect connector plug and snap flasher out of bracket.

Thunderbird – Unit is clamped in bracket mounted to the back of instrument panel to the left of the glove compartment. Disconnect connector plug and snap flasher out of bracket.

TURN SIGNAL FLASHER

Cougar – Located in bracket in the instrument panel at the lower left edge of the radio opening. Disconnect connector plug and snap flasher out of bracket.

Thunderbird – Flasher is clamped in bracket at the back of the instrument panel to the right of the glove box. Snap flasher out of bracket after disconnecting connector plug.