

Stop Light Switch Signal Malfunction

CIRCUIT DESCRIPTION

The purpose of this circuit is to prevent the engine from stalling, while driving in lock-up condition, when brakes are suddenly applied.

When the brake pedal is operated, this switch sends a signal to Engine and ECT ECU. Then the Engine and ECT ECU cancels operation of the lock-up clutch while braking is in progress.

The diagram illustrates the STOP lamp system wiring. Key components and their connections include:

- Battery:** Connected to the system via a main power line.
- Stop Light SW (S6):** A switch that controls the main power line to the STOP lamps.
- Cowl Side J/B LH:** A junction block that routes power to the rear combination lights (R15, R16, R18) and the high-mounted stop light (H21).
- Cowl Side J/B RH (*4):** A junction block for the right-hand side of the vehicle, routing power to the rear combination light (R17) and the high-mounted stop light (H21).
- Engine and ECT ECU:** Connected to the system via a G-W line, with a specific connection point labeled E18.
- Rear Combination Lights (R15, R16, R17, R18):** These lights are connected to the main power line via various relays and junctions. R15 and R17 are connected to the main power line via a G-W line. R16 and R18 are connected to the main power line via a G-W line.
- High Mounted Stop Lights (H21):** These lights are connected to the main power line via a G-W line.
- F38 FL Block:** A fuse block containing an ALT fuse and a J/B No.2 fuse, which are connected to the main power line.
- Grounding:** The system is grounded through three relays: BK, BM, and BJ.

Legend:

- *1: Swing Type
- *2: Liftgate Type
- *3: Liftgate Type w/o Rear Fog Light and w/o Tire Carry
- *4: LHD
- *5: RHD

INSPECTION PROCEDURE

1 Check stop light switch (See Pub. No. RM616E, page BE-58).

NG

Replace stop light switch.

OK

2 Check harness and connector between Engine and ECT ECU and stop light switch (See page IN-38).

NG

Repair or replace harness or connector.

OK

Proceed to next circuit inspection shown on
problem symptoms table
(See page DI-119).