

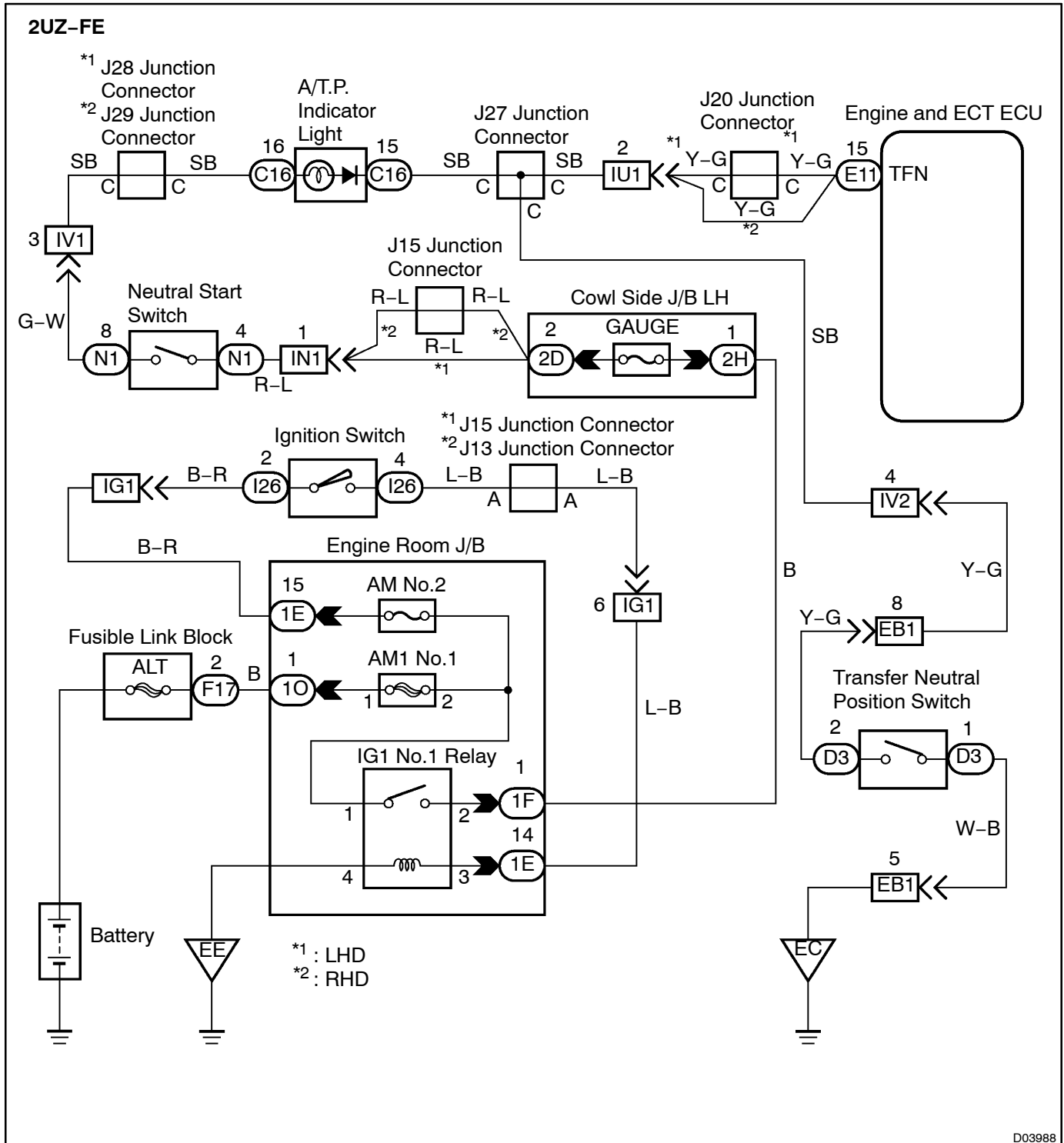
A/T.P. (Automatic Transmission Parking) Indicator Circuit

CIRCUIT DESCRIPTION

The propeller shaft and wheels are free even when the transmission shift lever is set to P as long as the transfer shaft lever is in the Neutral position. The A/T.P. indicator light lights up to warn the drive that the propeller shaft and wheels are not locked.

If the A/T.P. indicator light goes on, the transfer shift lever should be shifted out of N range.

WIRING DIAGRAM



Wiring Diagram for 1997-1998 Toyota Camry 2.0L 4-cylinder engine

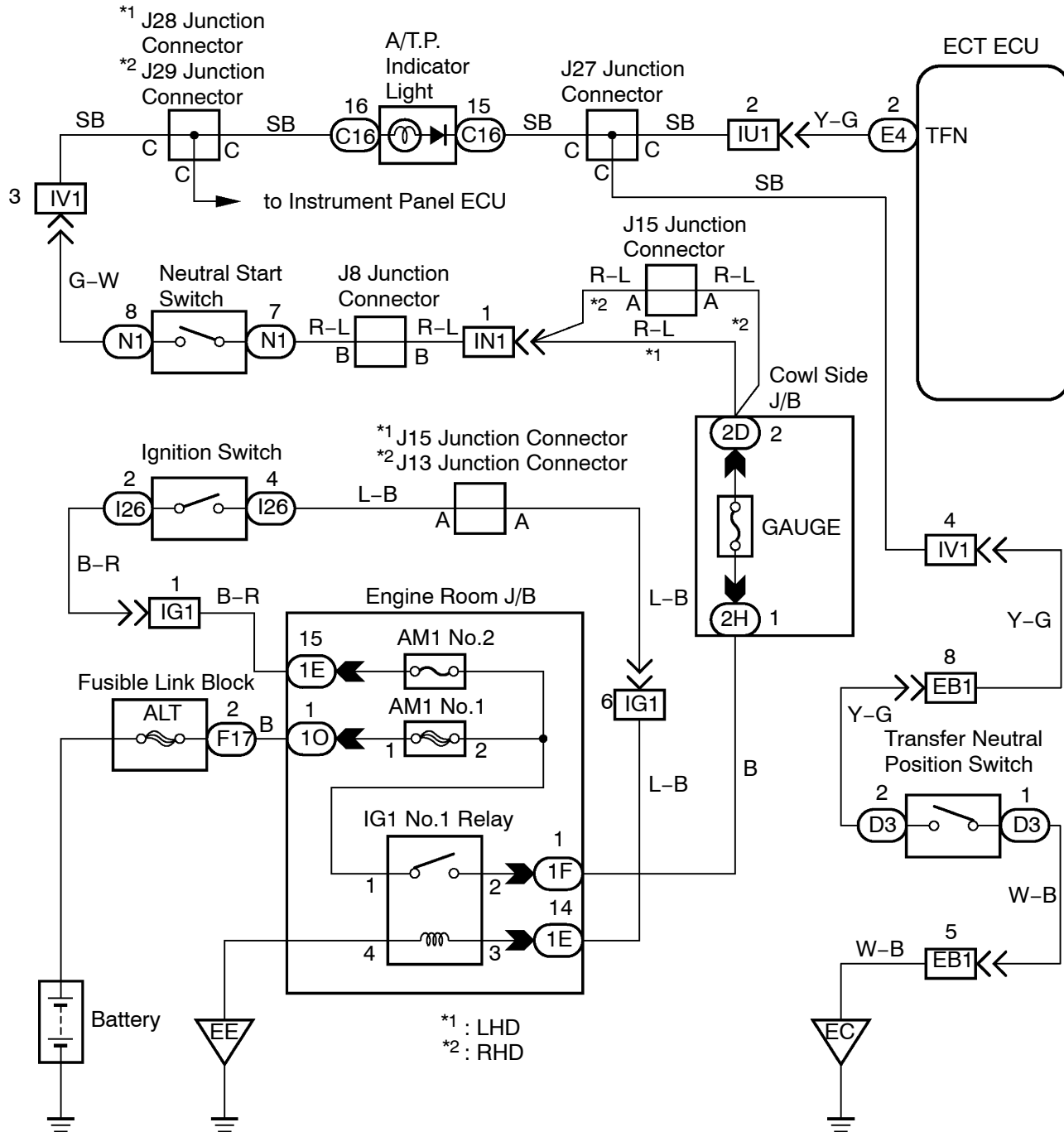
Legend:
 *1 : LHD
 *2 : RHD

Key Components and Connections:

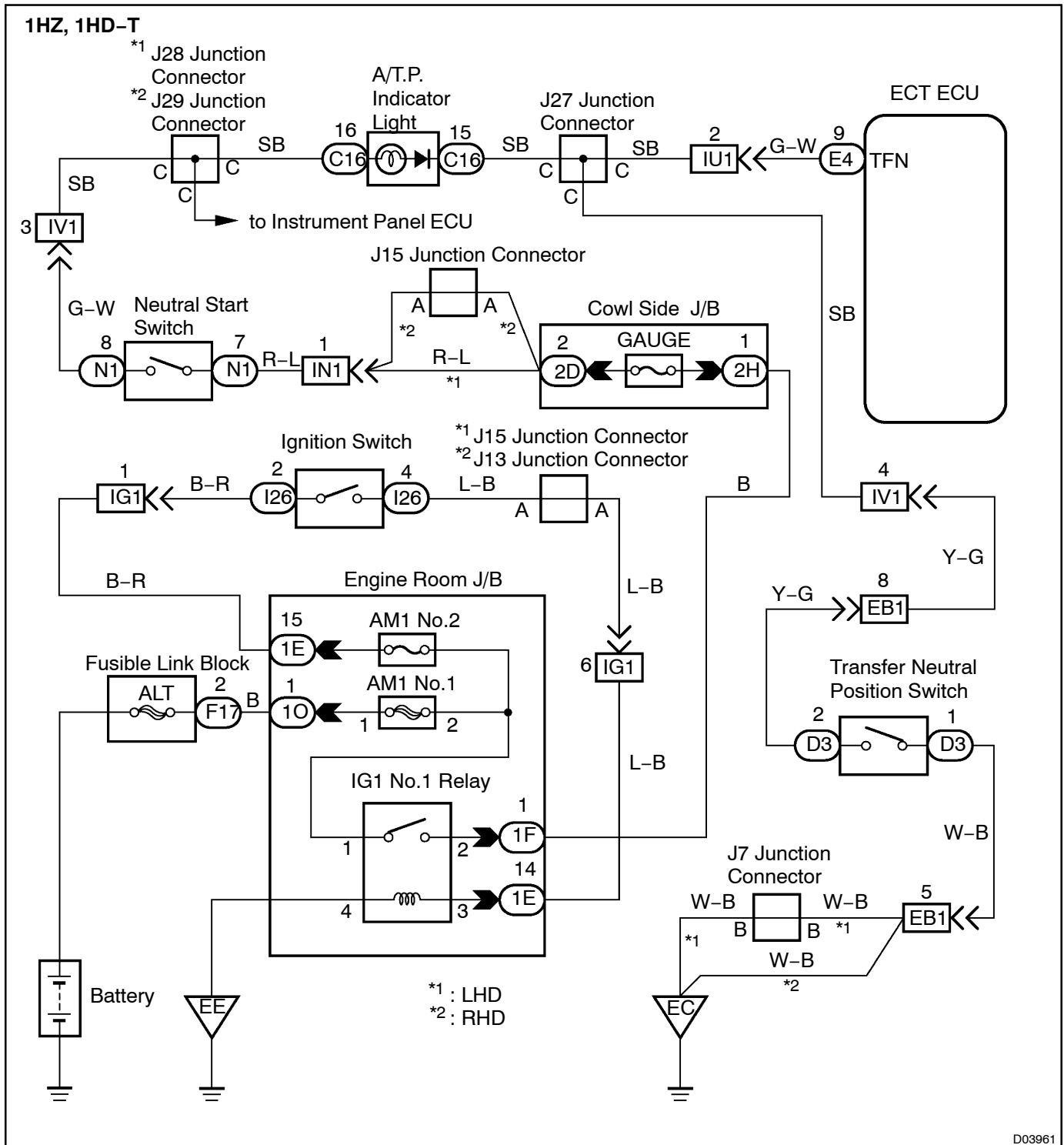
- Battery:** Connected to the main power distribution system.
- Engine Room J/B:** Contains fuses (F17, F18, F19, F20, F21, F22, F23, F24, F25, F26, F27, F28, F29, F30, F31, F32, F33, F34, F35, F36, F37, F38, F39, F40, F41, F42, F43, F44, F45, F46, F47, F48, F49, F50, F51, F52, F53, F54, F55, F56, F57, F58, F59, F60, F61, F62, F63, F64, F65, F66, F67, F68, F69, F70, F71, F72, F73, F74, F75, F76, F77, F78, F79, F80, F81, F82, F83, F84, F85, F86, F87, F88, F89, F90, F91, F92, F93, F94, F95, F96, F97, F98, F99, F100) and relays (IG1 No.1 Relay).
- Cowl Side J/B:** Contains fuses (F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F13, F14, F15, F16, F17, F18, F19, F20, F21, F22, F23, F24, F25, F26, F27, F28, F29, F30, F31, F32, F33, F34, F35, F36, F37, F38, F39, F40, F41, F42, F43, F44, F45, F46, F47, F48, F49, F50, F51, F52, F53, F54, F55, F56, F57, F58, F59, F60, F61, F62, F63, F64, F65, F66, F67, F68, F69, F70, F71, F72, F73, F74, F75, F76, F77, F78, F79, F80, F81, F82, F83, F84, F85, F86, F87, F88, F89, F90, F91, F92, F93, F94, F95, F96, F97, F98, F99, F100) and relays (IG1 No.1 Relay).
- Engine and ECT ECU:** Connected to the main power distribution system.
- Instrument Panel ECU:** Connected to the main power distribution system.
- Neutral Start Switch:** Controls the neutral start function.
- Ignition Switch:** Controls the ignition system.
- Transfer Neutral Position Switch:** Controls the transfer neutral position.
- A/T.P. Indicator Light:** Indicates the A/T.P. status.

LAND CRUISER (W/G) (RM616E)

1HD-FTE

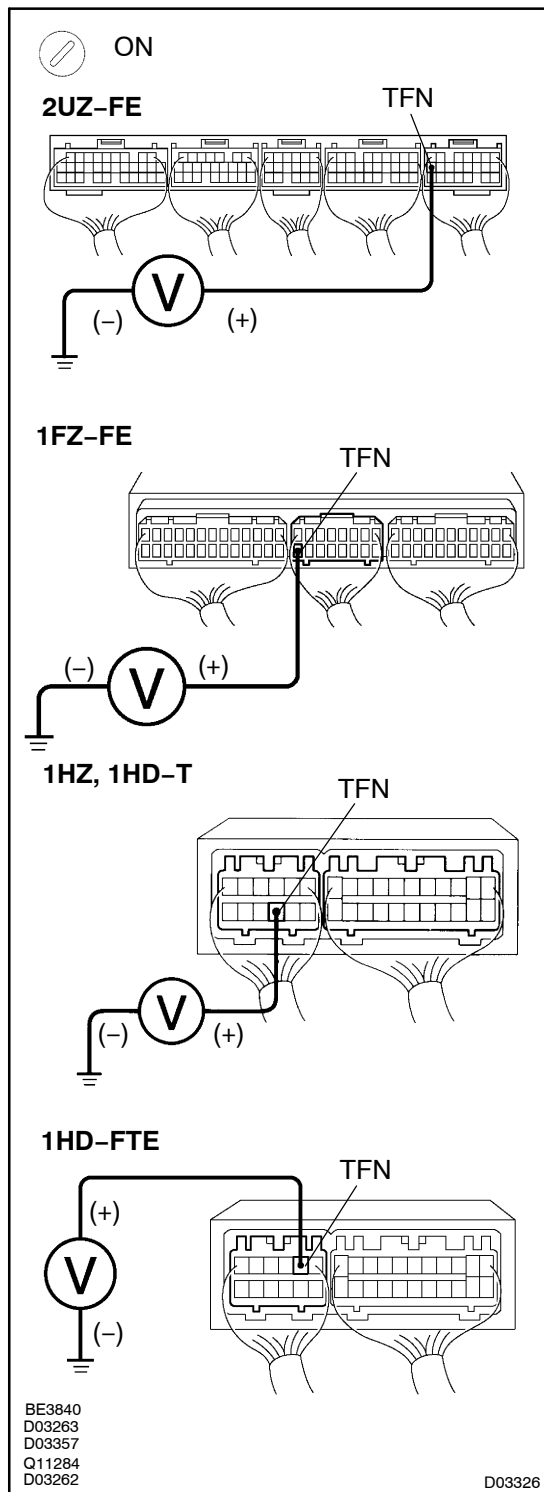


D03960



INSPECTION PROCEDURE

- 1 Check voltage between terminal TFN of Engine and ECT ECU or ECT ECU and body ground.

**PREPARATION:**

- (a) Remove the glove compartment door
(See page BO-127).
- (b) Turn the Ignition switch ON.

CHECK:

Check voltage between terminal TFN of Engine and ECT ECU or ECT ECU and body ground.

OK:

Transfer Shift lever position	Voltage
N position	Below 0.5V
Except N position	9.0 - 14V

OK

Proceed to next circuit inspection shown in symptom problems table (See page DI-198).

NG

LAND CRUISER (W/G) (RM616E)

2 Check neutral start switch (See page DI-151).

NG

Replace the neutral start switch.

OK

3 Check transfer neutral position switch (Full – Time 4WD: See page TR-10, Part – Time 4WD: TR-19).

OK

Replace the transfer neutral position switch.

NG

4 Check combination meter (See page BE-2).

NG

Repair or replace the combination meter.

OK

5 Check harness and connector between battery and neutral start switch, neutral start switch and combination meter, combination meter and ECU, ECU and transfer neutral position switch (See page IN-35).

NG

Repair or replace harness or connector.

OK

Check and replace Engine and ECT ECU or ECT ECU (See page IN-35).