DTC P1520/95 STOP LIGHT SWITCH 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 depressed, this switch sends a signals to the ECM. Then the ECM cancels the operation of the lock–up clutch while braking is in progress.

DTC No.	DTC Detection Condition	Trouble Area
P1520/95	No stop light switch signal to ECM during driving (2 trip detection logic)	• Open or short in stop light switch circuit • Stop lamp switch assy • ECM

WIRING DIAGRAM

See page 05–94., 05–249 or 05–424

INSPECTION PROCEDURE

HINT:
Start the inspection from step 1 in case of using the hand–held tester and start from step 2 in case of not using hand–held tester.

1 READ VALUE OF HAND–HELD TESTER

(a) Warm up the engine.
(b) Turn the ignition switch OFF.
(c) Connect the Hand–held tester to the DLC3.
(d) Turn the ignition switch ON and push the Hand–held tester main SW ON.
(e) Select the item ”STOP LIGHT SW” in the DATALIST and read its value displayed on the Hand–held tester.

NOTICE:
The values given below for ”Normal Condition” are representative values, so a vehicle may still be normal even if its value differs from those listed here. Do not depend solely on the ”Normal Condition” here when deciding whether or not the part is faulty.

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
STOP LIGHT SW	Stop light SW Status/ ON or OFF	• Brake Pedal is depressed: ON • Brake Pedal is released: OFF	←

OK → **REPAIR OR REPLACE ECM**

NG

2 INSPECT STOP LAMP SWITCH ASSY(See page 05–586 or 05–491)

NG → **REPLACE STOP LAMP SWITCH ASSY**

OK

3	CHECK HARNESS AND CONNECTOR(STOP LAMP SWITCH ASSY – ECM)

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR(See page 01–31)

OK

REPAIR OR REPLACE ECM(See page 01–31)