DI3SG–02

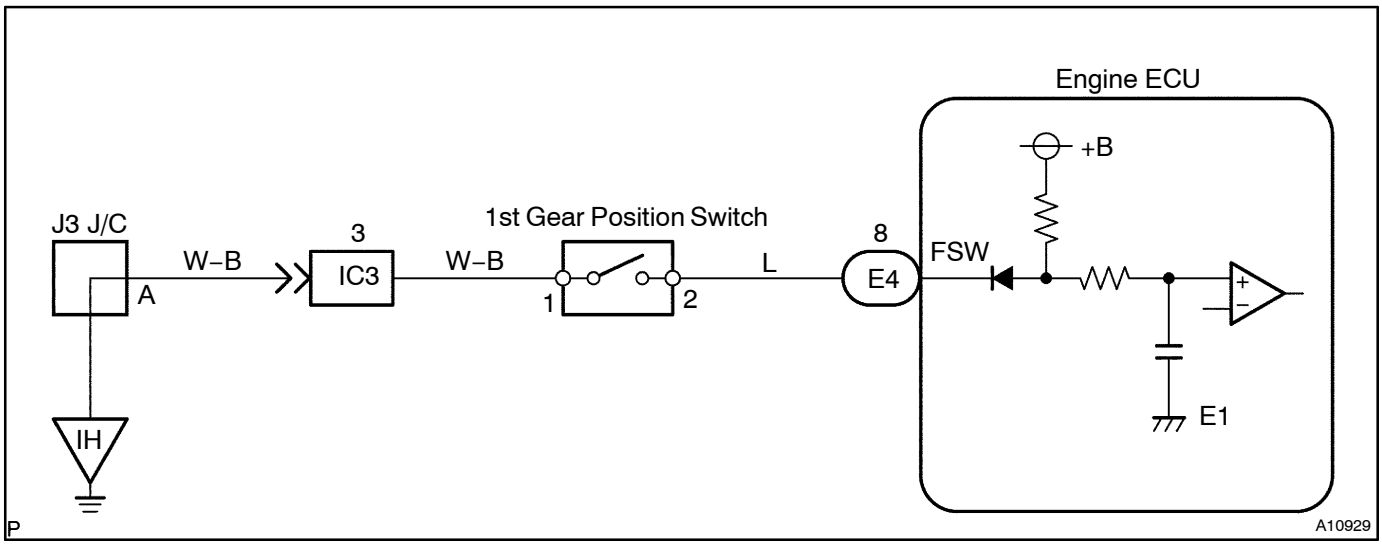
DTC	49	First Gear Position Switch Circuit Malfunction

CIRCUIT DESCRIPTION

The 1st gear position switch on the side of transmission detects the 1st gear and limits the engine output when the high load is applied during running in the 1st gear.

DTC No.	Detection Condition	Trouble Area
49	Open or short 1st gear position switch	• Open or short in 1st gear position switch circuit • Open or short in 1st gear position switch • Engine ECU

WIRING DIAGRAM



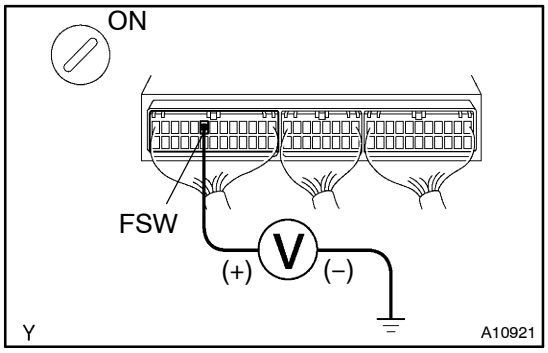
INSPECTION PROCEDURE

1	**Check 1st gear position switch (See page ED–22).**

NG → **Replace 1st gear position switch.**

OK

2	Check voltage between terminal FSW of engine ECU connector and body ground.



PREPARATION:

(a) Remove the glove compartment (See page ED–25).

(b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminal FSW of the engine ECU connector and body ground after the shift lever is moved to the following positions.

OK:

Shift Lever Position	1st Gear	Except 1st Gear
Voltage	9 – 14 V	0 – 3 V

OK → **Check and replace engine ECU (See page IN–20).**

NG

Check for open and short in harness and connector between 1st gear position switch and engine ECU (See page IN–20).