DI8FR–01

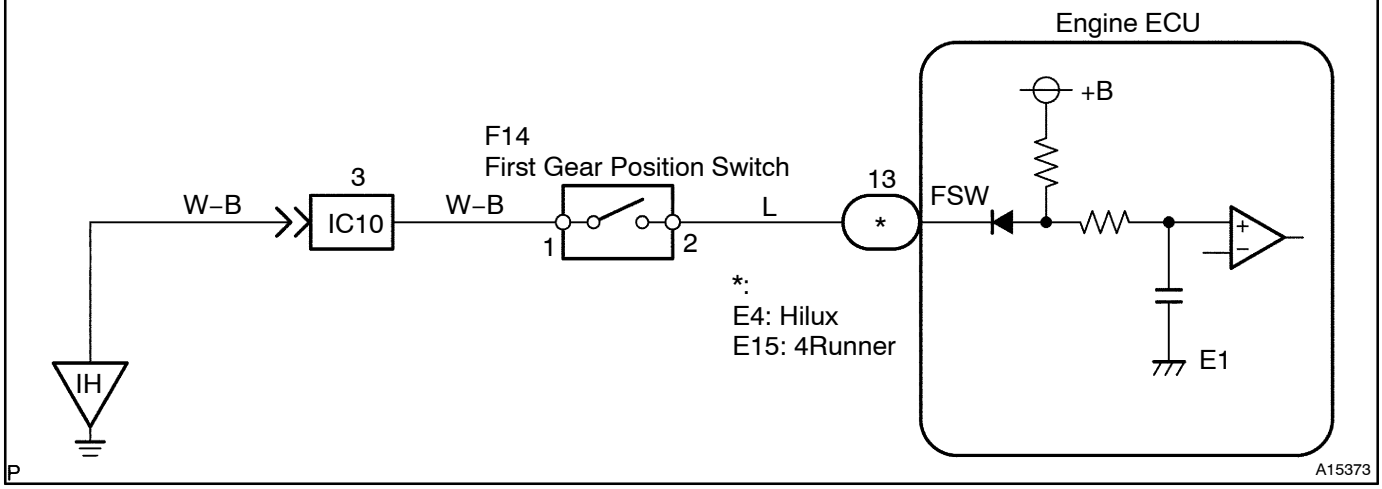
1st Gear Position Switch Circuit (only for M/T)

CIRCUIT DESCRIPTION

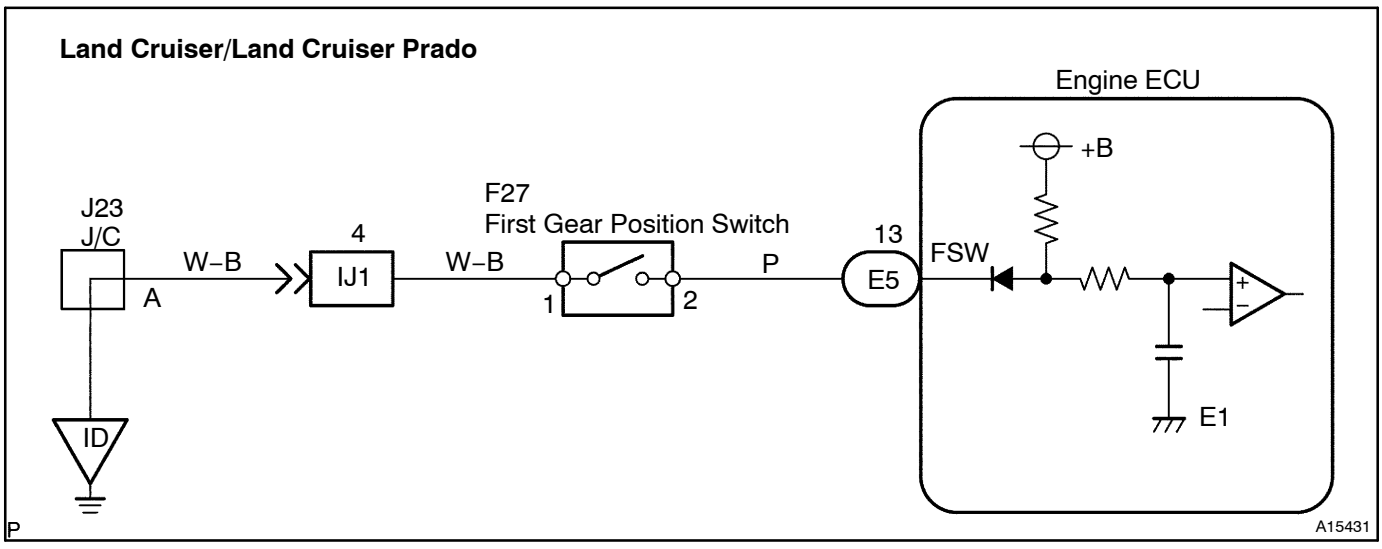
The shift position switch on the side of transmission detects the 1st gear and limits the engine output when high load is applied during the vehicle running in the 1st gear.

WIRING DIAGRAM

Hilux, 4Runner



Land Cruiser/Land Cruiser Prado



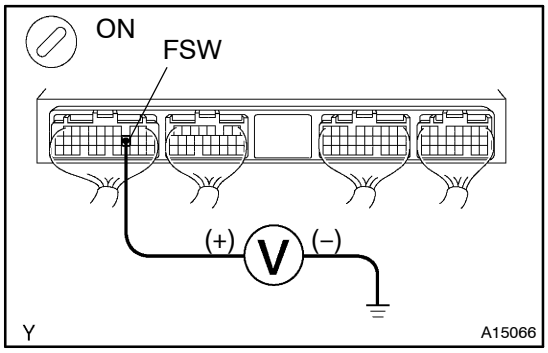
INSPECTION PROCEDURE

1	**Check shift position switch (See page ED–21).**

NG → **Replace shift position switch.**

OK

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



PREPARATION:

(a) Remove the glove compartment door.

(b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminal FSW of the engine ECU connector and the body ground after the shift lever is moved into 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 shift position switch and engine ECU (See page IN–20).