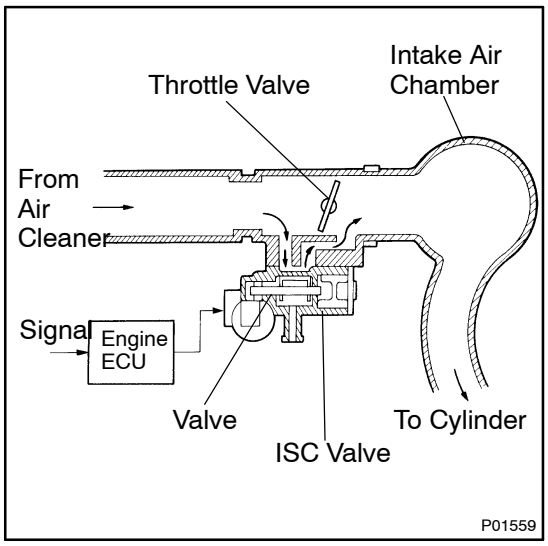
DI9SN–01

| DTC | 33 | Idle Control System Circuit |
|---|---|---|

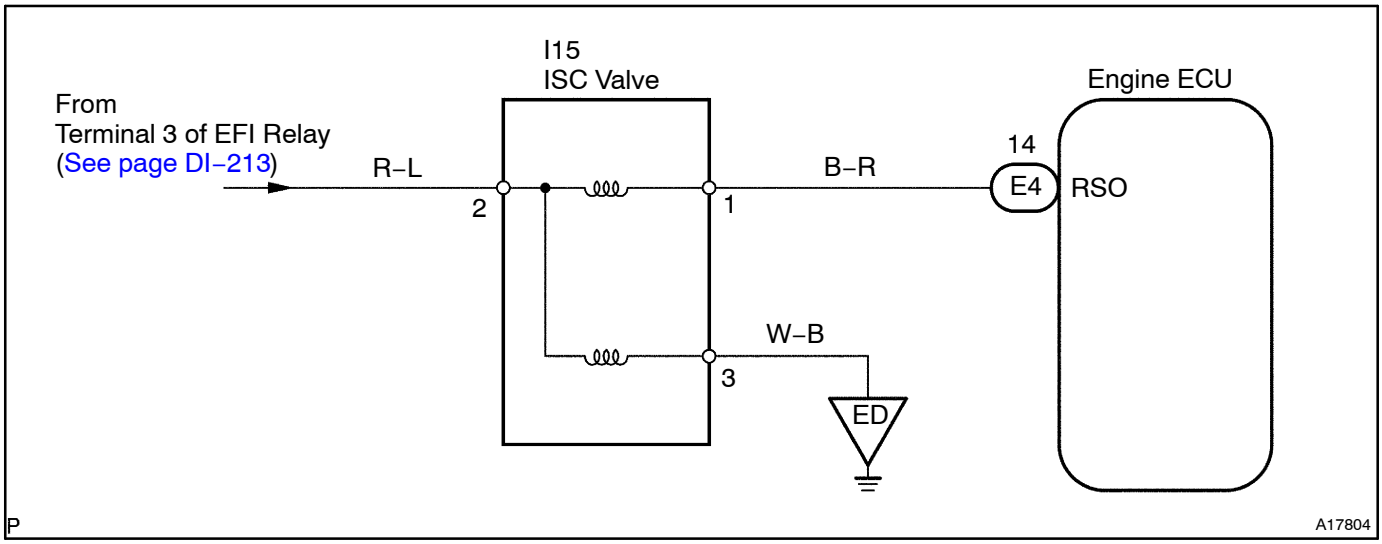
## CIRCUIT DESCRIPTION




The rotary solenoid type ISC valve is located in front of the intake air chamber and intake air bypassing the throttle valve is directed to the ISC valve through a passage.
In this way the intake air volume bypassing the throttle valve is regulated, controlling the engine speed.
The engine ECU operates only the ISC valve to perform idle–up and provide feedback for the target idling speed.

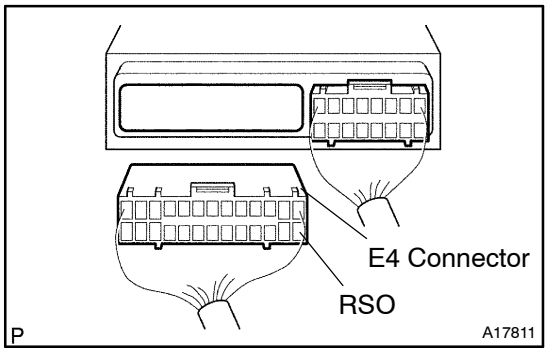
| DTC No. | DTC Detection Condition | Trouble Area |
|---|---|---|
| 33 | Open or short in ISC valve circuit | • Open or short in ISC valve circuit<br>• ISC valve<br>• Engine ECU |

## WIRING DIAGRAM



## INSPECTION PROCEDURE

| | |
|---|---|
| 1 | **Check voltage between terminals RSO of engine ECU connector and body ground.** |




**PREPARATION:**

(a) Remove the glove compartment.
(b) Disconnect the E4 connector of the engine ECU.
(c) Turn the ignition switch ON.

**CHECK:**

Measure the voltage between terminals RSO of the engine ECU connector and body ground.

**OK:**

**Voltage: 9 – 14 V**

| | |
|---|---|
| OK | **Go to step 3.** |

NG

| | |
|---|---|
| 2 | **Check ISC valve (engine speed operation) (See Pub. No. RM584E).** |

| | |
|---|---|
| NG | **Replace ISC valve.** |

OK

**Check for open and short in harness and connector between EFI main relay (Marking: EFI) and ISC valve, and ISC valve and engine ECU (See page IN–19).**

| | |
|---|---|
| 3 | **Check operation of ISC valve (See Pub. No. RM584E).** |

| | |
|---|---|
| NG | **Replace ISC valve.** |

OK

**Check and replace engine ECU (See page IN–19).**