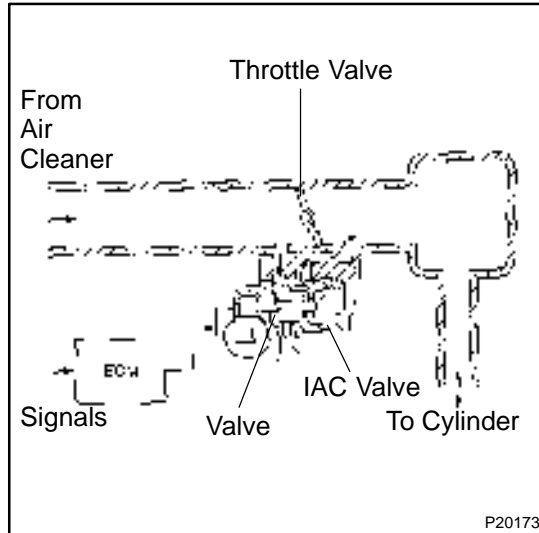


DTC	P0505	Idle Control System Malfunction
------------	--------------	--

CIRCUIT DESCRIPTION



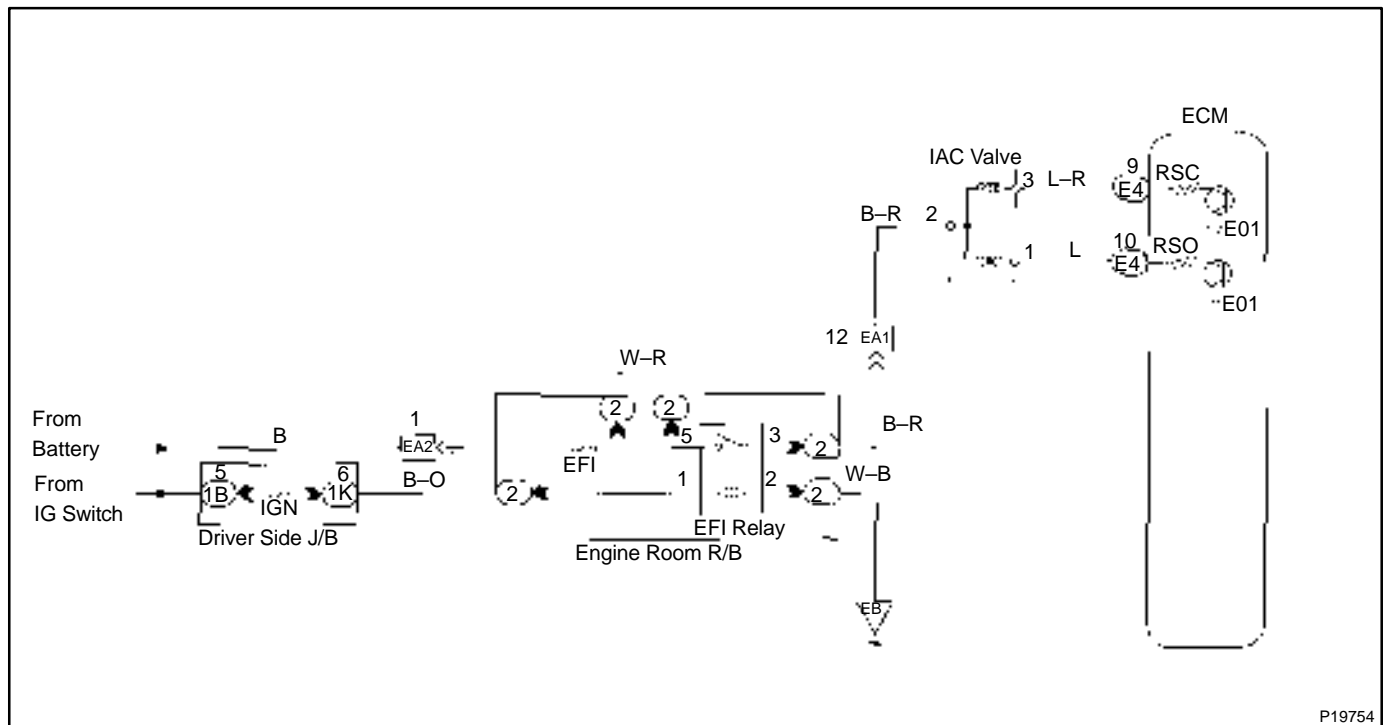
The rotary solenoid type IAC valve is located on the throttle body and intake air bypassing the throttle valve is directed to the IAC valve through a passage.

In this way the intake air volume bypassing the throttle valve is regulated, controlling the engine speed.

The ECM operates only the IAC valve to perform idle-up and provide feedback for the target idling speed.

DTC No.	DTC Detecting Condition	Trouble Area
P0505	Idle speed continues to vary greatly from the target speed (2 trip detection logic)	<ul style="list-style-type: none"> • IAC valve is stuck or closed • Open or short in IAC valve circuit • Open or short in AC1 switch circuit • Air intake (hose loose)

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check air induction system (See page SF-1).
---	--

NG	Repair or replace.
----	--------------------

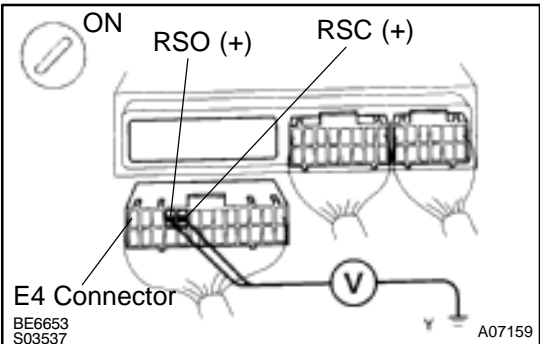
OK

2	Check A/C signal circuit (See page AC-69).
---	---

NG	Repair or replace.
----	--------------------

OK

3	Check voltage between terminals RSO, RSC of ECM connector and body ground.
---	--



PREPARATION:

- (a) Remove the lower finish panel.
- (b) Disconnect the "E4" connector of ECM.
- (c) Turn ignition switch ON.

CHECK:

Measure voltage between terminals RSO, RSC of ECM connector and body ground,

OK:

Voltage: 9 – 14 V

OK	Go to step 5.
----	---------------

NG

4 Check IAC valve (See page [SF-31](#)).

NG

Replace IAC valve.

OK

Check for open and short in harness and connector between junction connector and IAC valve and ECM (See page [IN-27](#)).

5 Check operation of the IAC valve (See page [SF-34](#)).

NG

Repair or replace IAC valve.

OK

Check and replace ECM (See page [IN-27](#)).