DI5YJ–01

DTC	P1125/24*	Throttle Position Sensor Leakage/ Throttle Valve Stuck

*: ETCS trouble code No.

CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
P1125/24*	Instead throttle valve motor is driven fully open, voltage at VTA (VTAR) of ECU terminal does not output 3.2 V to 4.9 V or more.	• Throttle valve • Throttle position senor • Wire harness and connector (E1 circuit) • Engine ECU

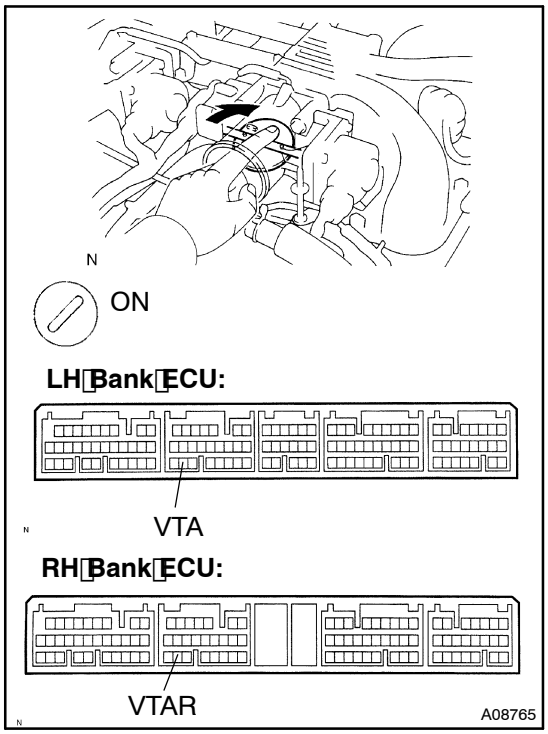
WIRING DIAGRAM

Refer to DTC P1125/21, 22 (Throttle Valve Motor Circuit) on page DI–88 for the WIRING DIAGRAM.

INSPECTION PROCEDURE

HINT:
LH and RH bank engine ECU detect this DTC code respectively. The inspection procedures are same for both LH and RH bank engine ECU and described in this manual. Even though terminal name and part name on the side of RH bank are described in parenthesis, perform the inspection for only ECU that has detected DTC.

1	Check voltage between terminal VTA (VTAR) of engine ECU and body ground.



PREPARATION:

(a) Remove engine ECU with connectors still connected.
(b) Remove intake air duct.
(c) Disconnect throttle valve motor connector.
(d) Turn ignition switch ON.

CHECK:

Measure voltage between terminal VTA (VTAR) of engine ECU and body ground, when the throttle valve is fully closed and fully open.

OK:

Throttle valve position	Voltage
Fully closed	0.3 – 0.8 V
Fully open	3.2 – 4.9 V

OK	Go to step 2.

NG

Check and replace engine ECU.

2	Check throttle position sensor (See page DI–49).

NG	Replace throttle body assembly.

OK

3	Check for open and short in harness and connector between terminal E5 (E2R) of engine ECU and body ground (See page IN–20).

NG → Repair or replace harness or connector.

OK →

Check and replace engine ECU.