DTC	84	COMMON RAIL SYSTEM MALFUNCTION (PRESSURE DOES NOT CHANGE)

CIRCUIT DESCRIPTION

DTC 84 is output when the fuel pressure of the common rail does not change for a certain time while the engine is running.

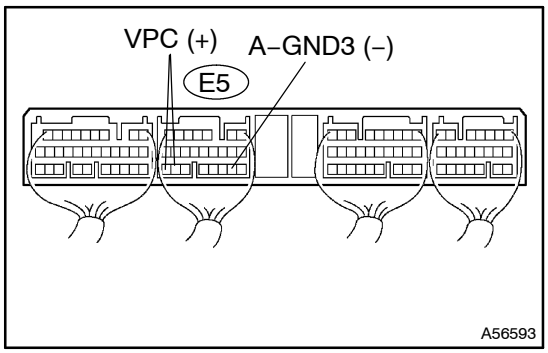
DTC No.	DTC Detection Condition	Trouble Area
84	Common rail pressure does not change for a certain time while the engine is running	• Fuel pressure sensor circuit • Fuel pressure sensor • ECM

WIRING DIAGRAM

Refer to DTC 49 on page 05–154.

INSPECTION PROCEDURE

1 CHECK ECM (VOLTAGE)



(a) Turn the ignition switch ON.
(b) Measure the voltage between terminals VPC and A–GND3 of the E5 ECM connector.
Standard: 0.9 – 1.1 V

OK → **Go to step 3**

NG

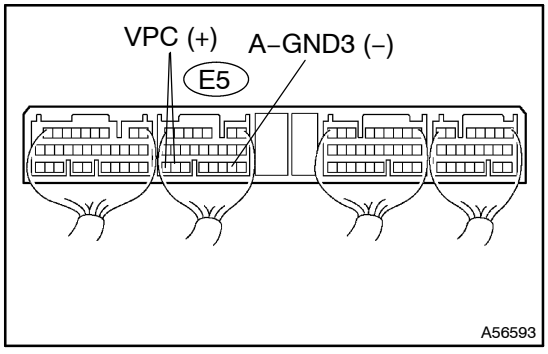
2 CHECK WIRE HARNESS

(a) Check the wire harness between the fuel pressure sensor and the ECM.

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

3 CHECK ECM (VOLTAGE)



(a) Start the engine.
(b) Measure the voltage between terminals VPC and A–GND3 of the E5 ECM connector when racing the engine.
Standard:
The voltage changes between 1.0 and 3.2 V

OK → **CHECK AND REPLACE ECM**

NG

4	CHECK FUEL PRESSURE SENSOR

OK → CHECK AND REPLACE COMMON RAIL ASSY

NG

REPLACE ECM