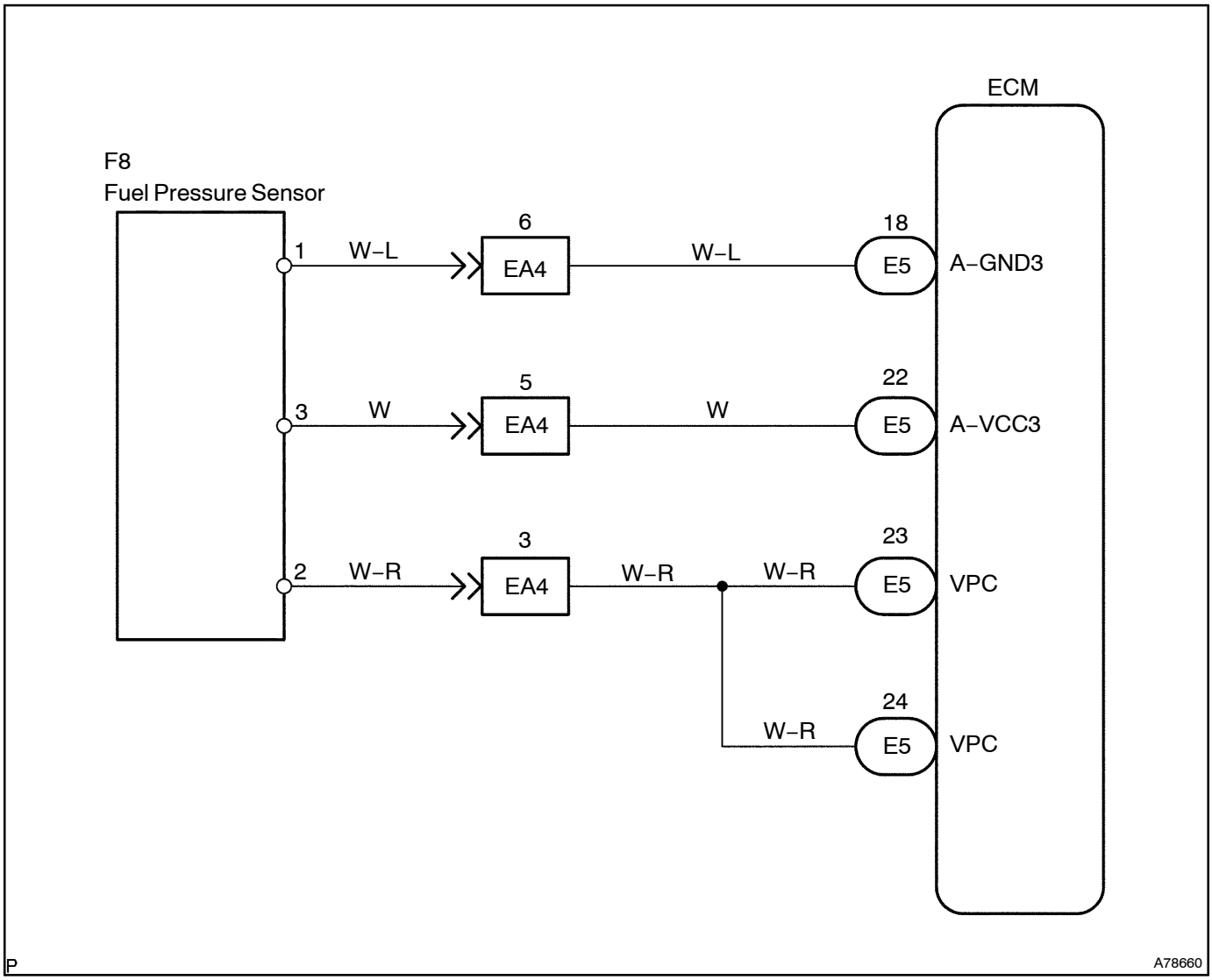
DTC	78 (3)	FUEL PUMP SYSTEM MALFUNCTION (OVER PRESSURE)

CIRCUIT DESCRIPTION

DTC 78 (3) is detected when the fuel pressure of the common rail is too high.

DTC No.	DTC Detection Condition	Trouble Area
78 (3)	Pressure of common rail abnormally changes against supply quantity of supply pump	• Open or short in fuel pressure sensor circuit • Fuel pressure sensor • Engine speed sensor • Supply pump • Injection timing • ECM

WIRING DIAGRAM



INSPECTION PROCEDURE

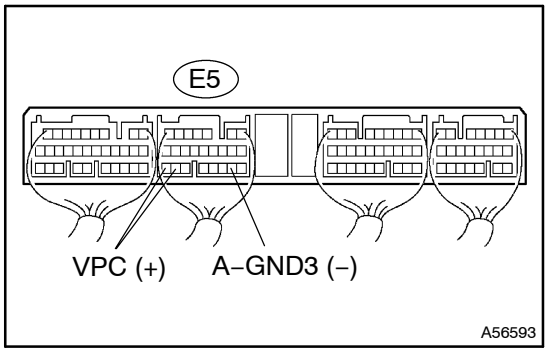
1	CHECK OTHER DTC OUTPUT

(a) Are there any other DTC output?

YES → PROCEED NEXT STEP AFTER REPAIRING OTHER DTC

NO

2	CHECK ECM (VOLTAGE)



(a) Warm up the engine.
(b) Keep the engine speed at 650 rpm.
(c) Measure the voltage between terminals VPC and A–GND3 of the E5 ECM connector.
Standard: 1.56 V or less

NG → REPLACE FUEL PRESSURE SENSOR

OK

3	ADJUST INJECTION TIMING

4	RECHECK DTC

(a) Delete the DTC in the memory.
(b) Perform a drive test.
(c) Recheck for DTC.
A: DTC 78 (3) is output
B: No DTC is output

B → OK

A

CHECK AND REPLACE SUPPLY PUMP OR ECM