

DTC DETECTING CONDITION E051A128

Item	Detecting Condition			Possible Cause
DTC Strategy	• Voltage monitoring			<ul style="list-style-type: none"><li>• fuel metering unit (close stuck)</li><li>• rail pressure regulator valve (open stuck)</li><li>• Rail pressure sensor (Output fixed at low voltage line)</li></ul>
Enable Conditions	• Engine running			
ThresholdValue	<ul style="list-style-type: none"><li>• Rail pressure is below target rail pressure by more than 250bar at rail pressure regulator valve operating condition.</li><li>• Rail pressure is below minimum limiting value(200bar) at rail pressure regulator valve operating condition.</li></ul>			
DiagnosticTime	• 1.0 sec.			
Fail Safe	Fuel Cut	NO		
	EGR Off	NO		
	Fuel Limit	YES		
	MIL	YES		

MONITOR SCANTOOL DATA EA7F227F

1. Monitoring rail pressure data
- 1) Connect Scantool to Data Link Connector (DLC).

2) Warm engine up to normal operating temperature.

3) Turn "OFF" electrical devices and A/C.

4) Monitor "FUEL PRESSURE MEASURED", "FUEL PRESSURE-TARGET", "RAIL PRESS. REGULATOR1", "INJ. PUMP REGULATOR" parameter on the Scantool.

Specification :

FUEL PRESSURE MEASURED : similar to "FUEL PRESSURE-TARGET"

FUEL PRESSURE-TARGET : 28 ± 5 Mpa

RAIL PRESS. REGULATOR1 : 20 ± 5%

INJ. PUMP REGULATOR : 40 ± 5%

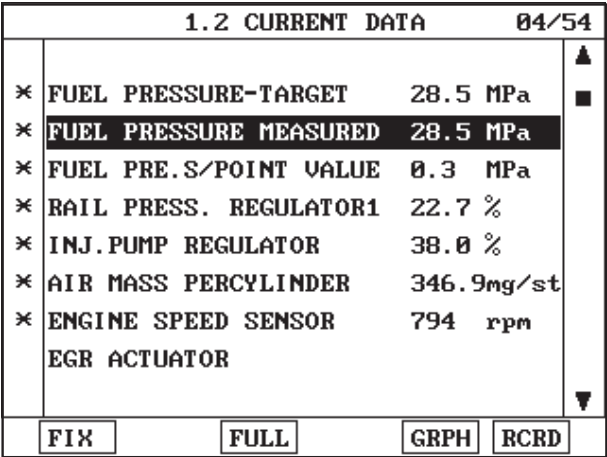


Fig.1

Fig.1) Monitor "FUEL PRESSURE MEASURED" at idle after warming engine up.