


Fault Code: P0100

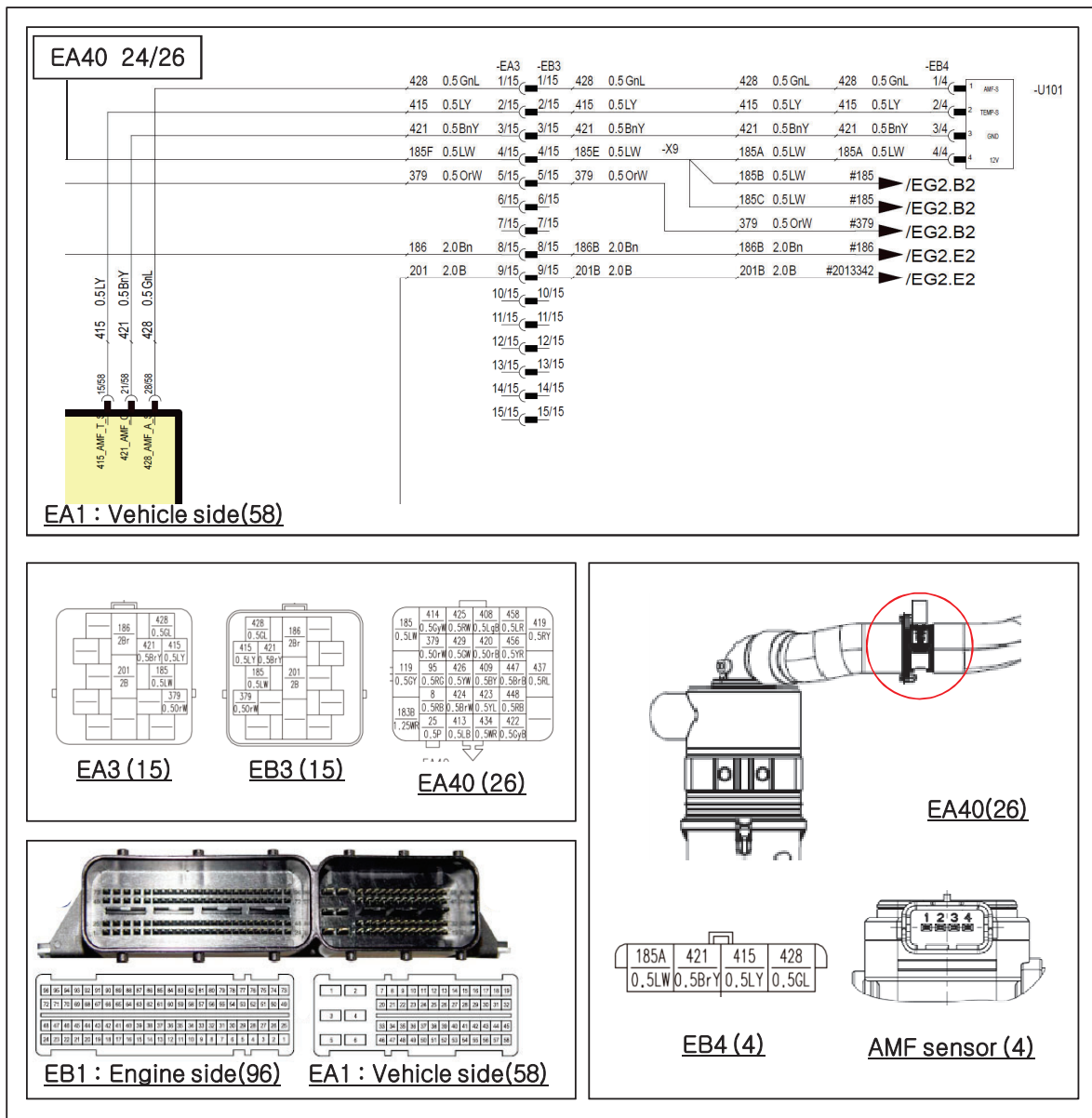
Dashboard Fault Code: s132 F31

Lamp	Title	Cause
RED Solid On 	AMF Sensor Failure	Electric fault on AMF sensor

Influences on vehicle

1. DPF regeneration stop
2. EGR valve control stop
3. ACV control stop
4. Engine torque reduce

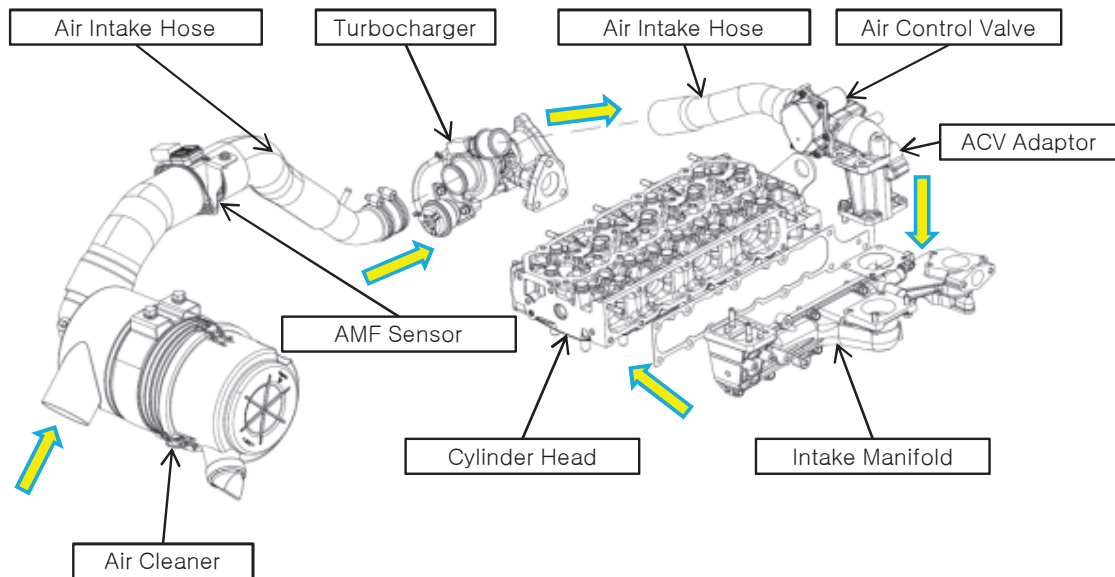
Circuit Diagram and connector



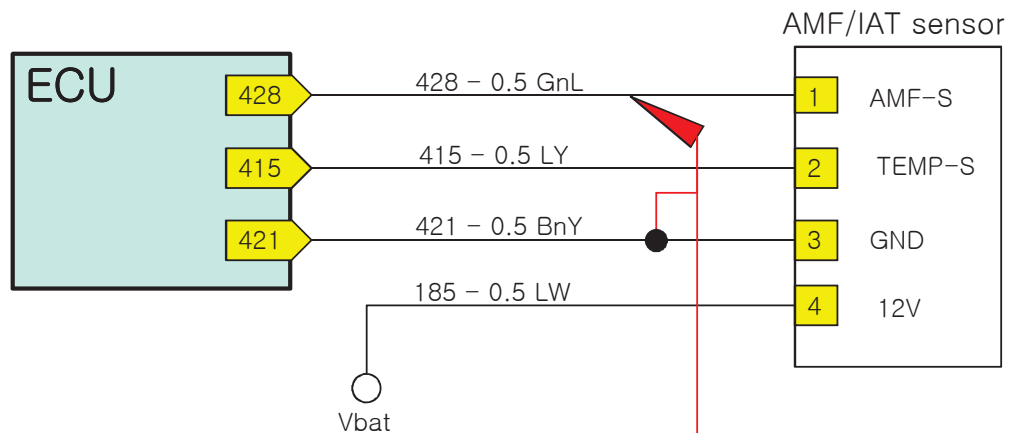
Maintenance Procedure

Stage	Check List	Corrective Measure	
		Yes	No
1	Read fault code from the scan tool. AMF electric relating fault code present? (P0100,P0102,P0103)	Go to stage 3	Go to stage 2
2	Check intake system ¹⁾ . Leak on intake system?	Perform necessary repair	Problem solved
3	Read fault code from the scan tool. External power fault code present? (P0641, P0651, P0697)	Go to stage 4	Go to stage 5
4	Find faulty sensor. Check if fault alarm disappears by disconnecting sensors one by one. If no faulty sensor found, check the power line of harness AMF sensor for short or disconnection.	Perform necessary repair	Call Hot-line
5	Check the AMF sensor connector connections. Connection problem?	Perform necessary repair	Go to stage 6
6	Check AMF sensor signal.(Use oscilloscope) ²⁾ Sensor problem?	Change sensor	Go to stage 7
7	Check ECU connector connection. Connection problem?	Perform necessary repair	Go to stage 8
8	Check electric connection and disconnection of harness. ³⁾ • Check EB4 connector1/4pin on EB3 connector 1/15pin • Check EB4 connector 3/4pin on EB3 connector 3/15pin • Check EB4 connector 4/4pin on EB3 connector 4/15pin • Check EA1 connector 28/58pin on EA3 connector 1/15pin • Check EA1 connector 21/58pin on EA3 connector 3/15pin • Check EA40 connector 24/26pin on EA3 connector 4/15pin Harness problem?	Change harness	Call Hot-line

1) Intake System Maintenance

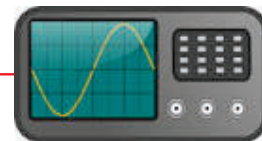
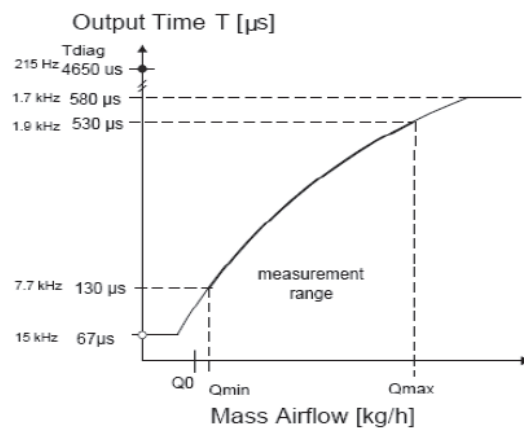


2) AMF Sensor Signal Maintenance



$67 \mu s < \text{Time } T < 580 \mu s$

$T = 4650 \mu s \pm 10\%$ is reserved as diagnosis output level



3) Harness maintenance

