


Fault Code: P0002

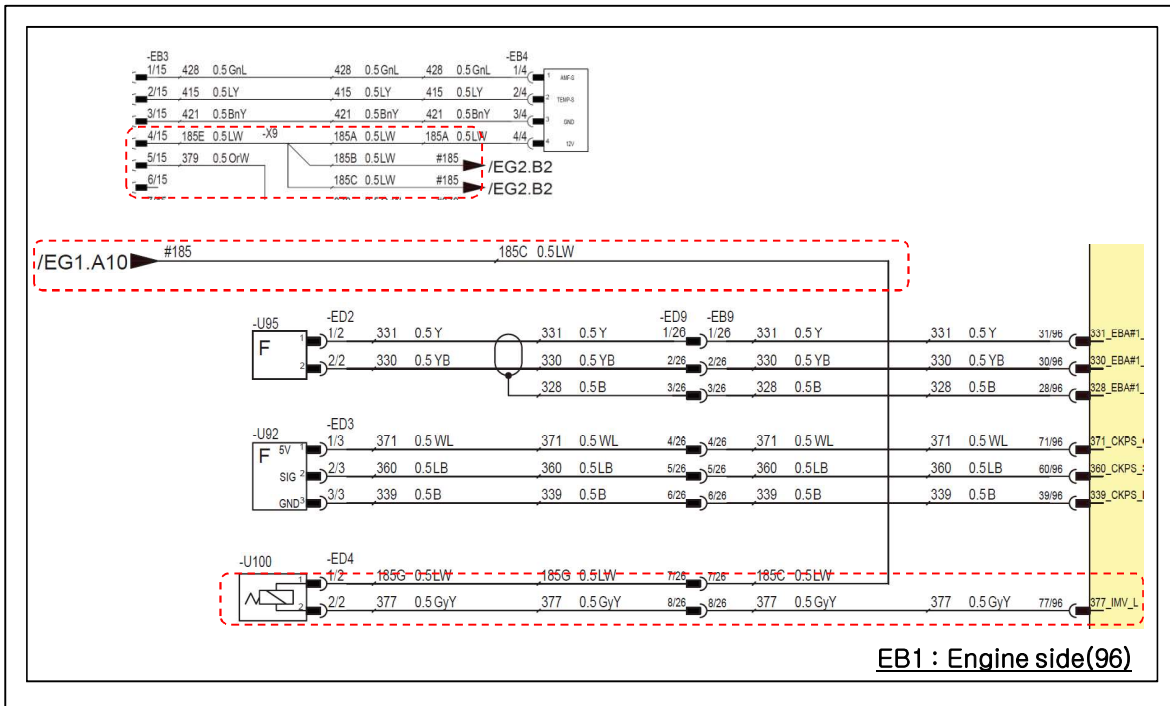
Dashboard Fault Code : s157 F11
 s1076 F03
 s1076 F04
 s1076 F16
 s1076 F18

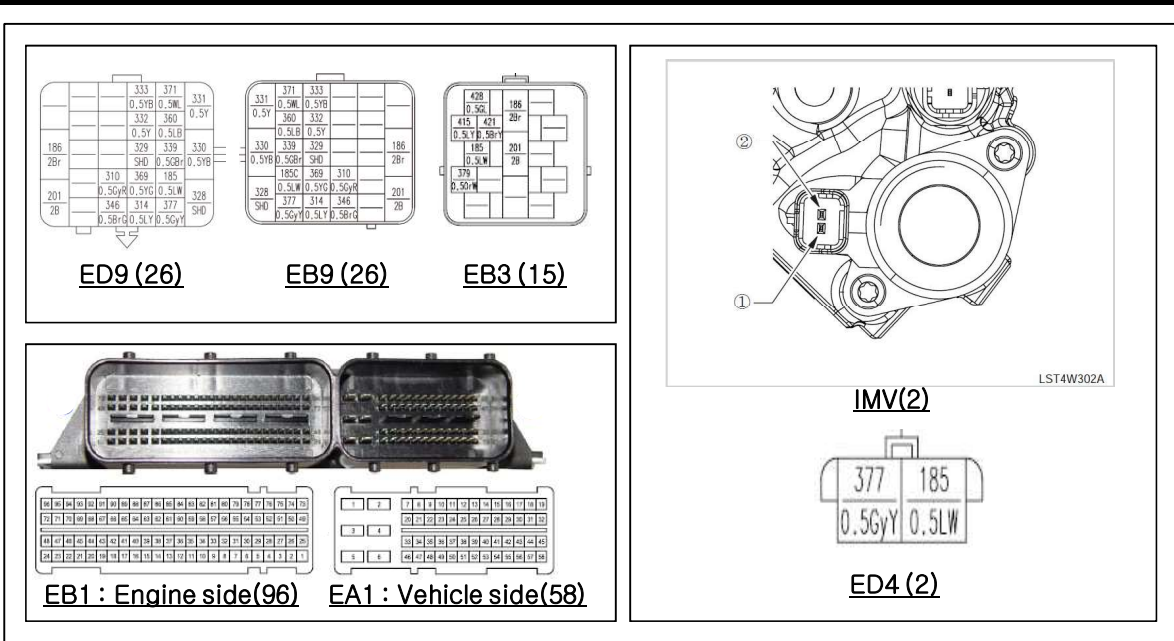
Lamp	Title	Cause
RED Solid On or RED Blink 1Hz 	IMV control fault	Fuel pressure controller system fault

Influences on vehicle

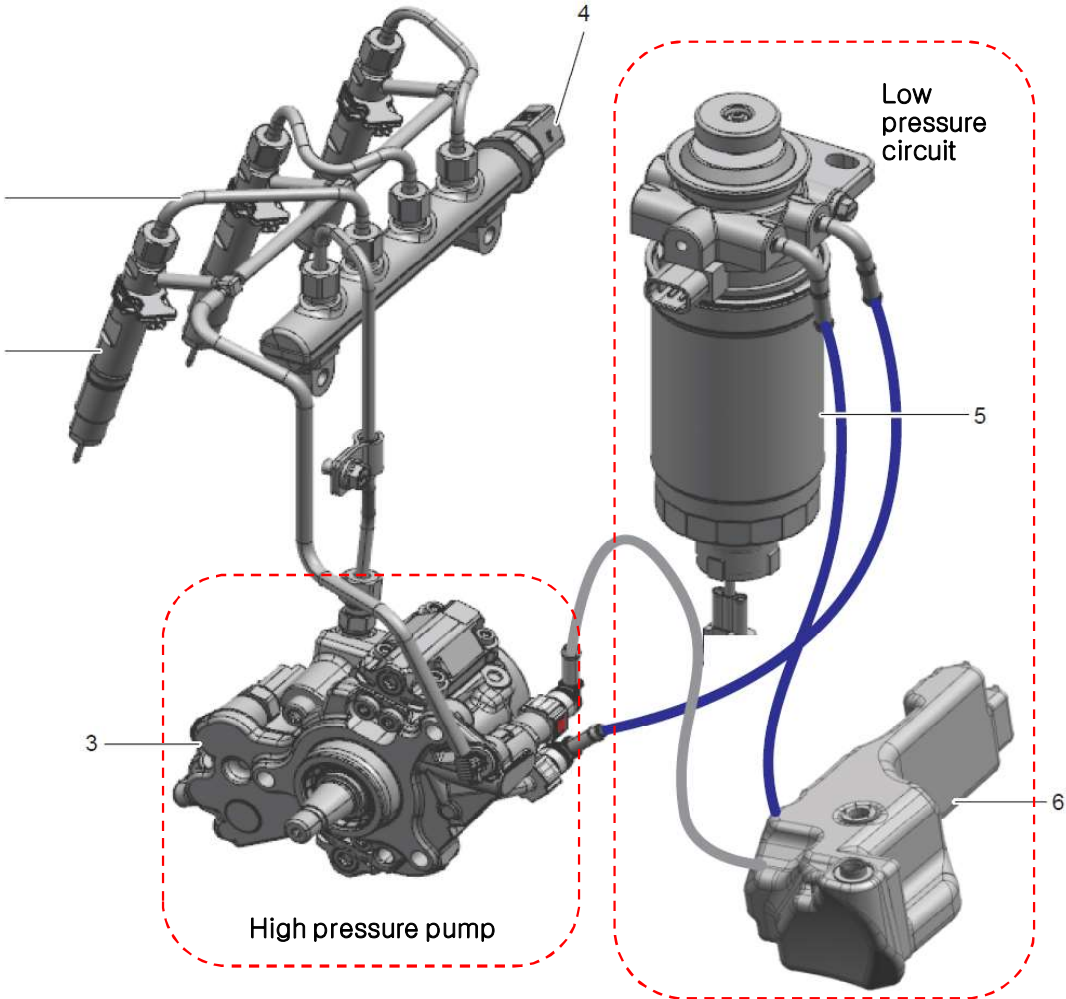
1. Engine torque reduce
2. Engine Stop(RED blink 1Hz only)

Circuit diagram and connector





Fuel Injection System



Maintenance Procedure

Stage	Check List	Corrective Measure	
		Yes	No
1	Read Fault Code. Fault of type IMV or HPV(if applicable) or rail pressure sensor ?	First, fix the corresponding fault	Go to stage 2
2	Read Fault Code. Fault Code link to High Pressure control ?	Go to stage 3	No problem with High Pressure system. Stop here.
3	Check that: * fuel feed circuit is in good condition * there is diesel fuel present in the system * there is no air (no bubbles or emulsion in the pipes) * there is enough fuel pressure in inlet pump * there are no high pressure circuit leaks * there is diesel fuel of the correct quality and type Low pressure circuit faulty ?	Repair the low pressure circuit	Go to stage 4
4	According to engine start or not, different tests are to be done. Does engine start ?	Go to stage 5	Go to stage 7
5	Perform Engine Test -> IMV test. Faulty IMV ?	Go to stage 10	Go to stage 6
6	Perform Engine test -> common rail test. Backleak above limit?	Replace corresponding injector(s)	End
7	Perform Engine test -> Hydraulic test. Carry out the 'tube test' Hydraulic test result OK?	Go to stage 8	Go to stage 9
8	Backleak above limit?	Replace corresponding injector(s)	End
9	<ul style="list-style-type: none"> • Engine speed under starter is too low -> Yes • Average of pressure feedback during the average state is too low -> No 	Battery charge or change	Replace HP pump
10	Check IMV connection. Connection problem ?	Perform necessary repair	Go to stage 11
11	Check ECU connection. Connection problem ?	Perform necessary repair	Go to stage 12
12	Check continuity and electrical isolation of harness. ¹⁾ <ul style="list-style-type: none"> • Check ED4 connector 1/2pin on ED9 connector 7/26pin • Check ED4 connector 2/2pin on ED9 connector 8/26pin • Check EB3 connector 4/15pin on EB9 connector 7/26pin • Check EB1 connector 77/96pin on EB9 connector 8/26pin Electrical problem?	Change harness	Go to stage 13

Maintenance Procedure

Stage	Check List	Corrective Measure	
		Yes	No
13	Measure IMV electrical resistance(around 5,3Ω at 20degC) Resistance problem ?	Change HP pump	Go to stage 14
14	Perform Input/Output test -> IMV buzzing test. IMV is buzzing ?	Call Hot-line	Change HP pump

1) Harness Maintenance

