


Fault Code: P0089

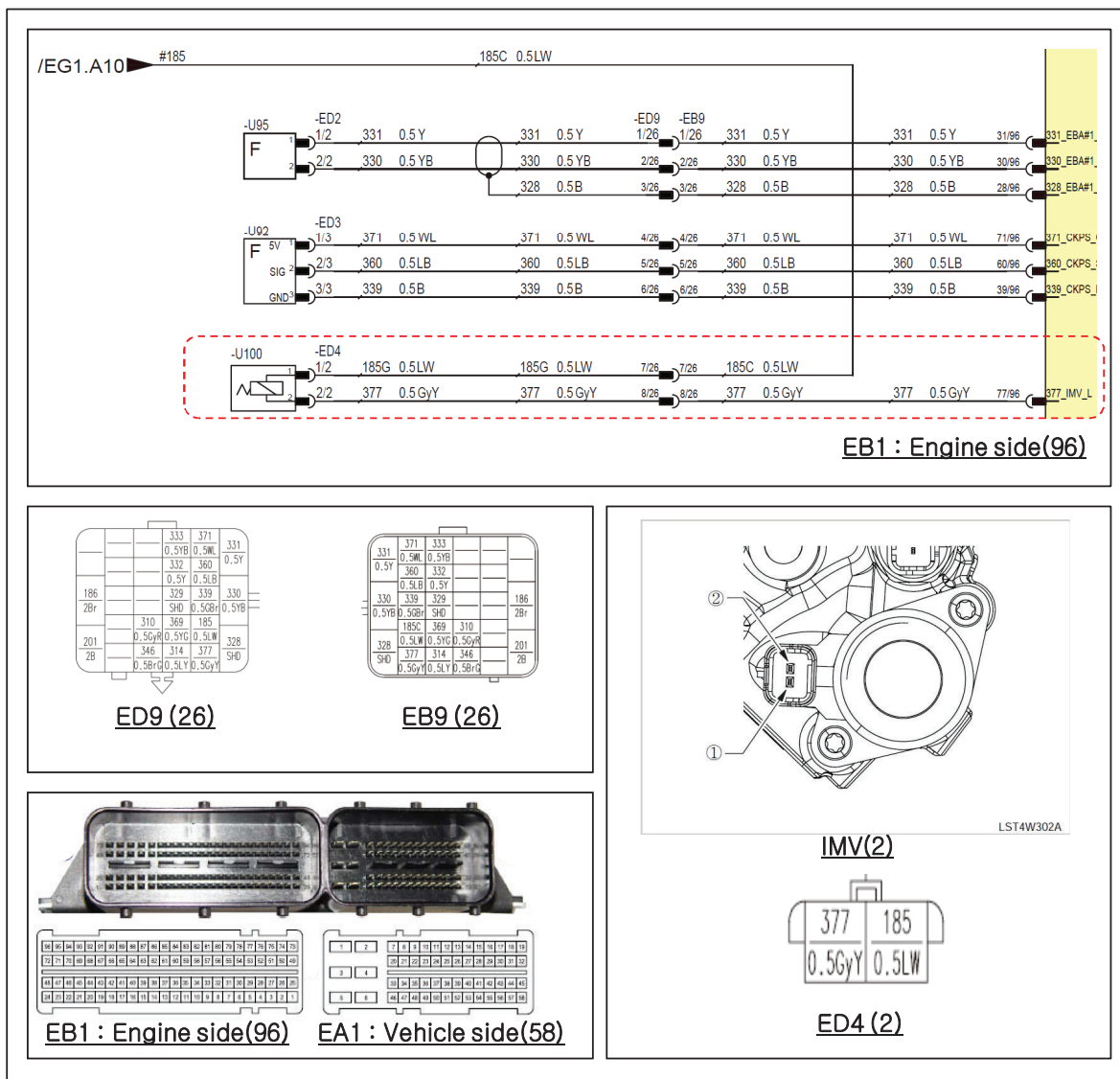
Dashboard Fault Code : s157 F11

Lamp	Title	Cause
RED blink 1Hz 	Rail Pressure Control Error During 'RVD-Only' control	Fuel pressure controller system fault

Influences on vehicle

1. Engine torque reduce
2. Engine stop

Circuit diagram and connector



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 ?	Replace HP pump	Go to stage 6
6	Perform Engine test -> common rail test. Are there injector to above back leak 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	Are there injector to above back leak 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

1) Fuel Injection System

