


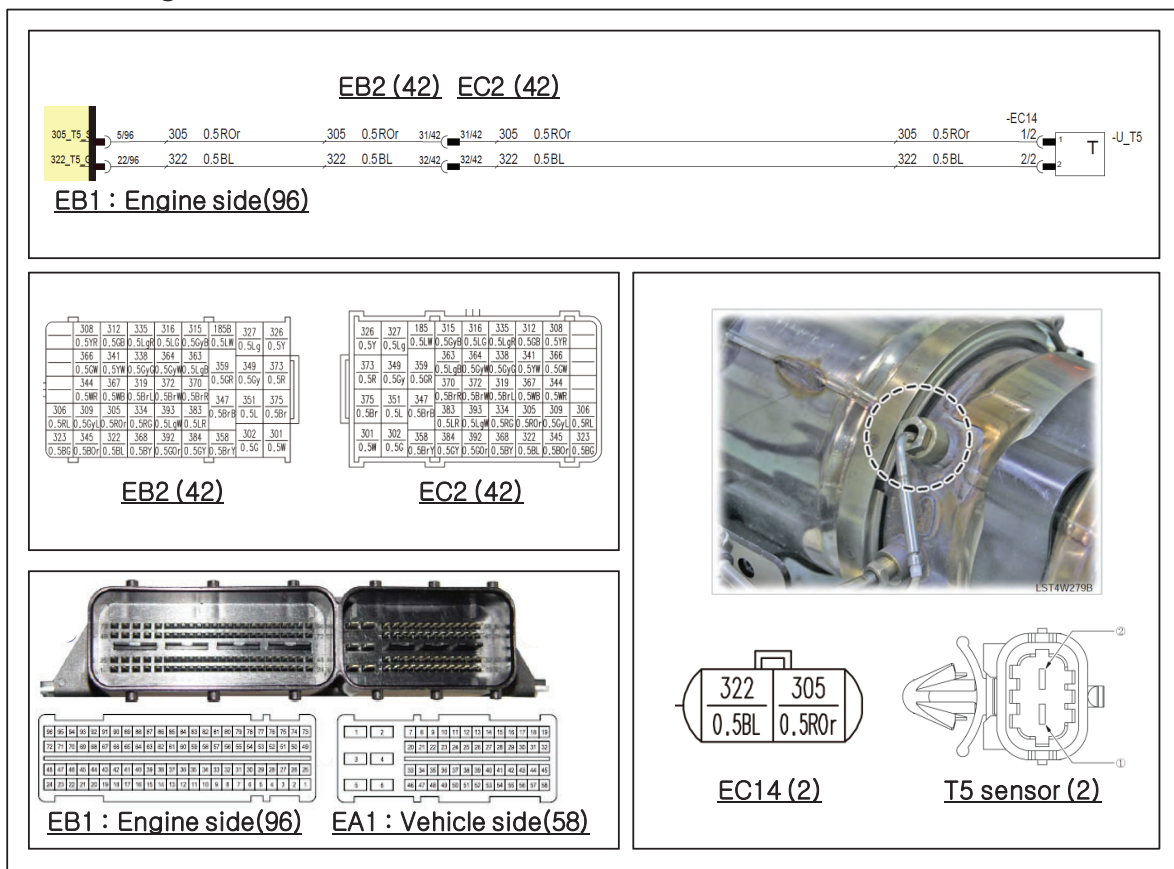
Dashboard Fault Code: s173 F31

Lamp	Title	Cause
AMB solid on 	DPF In temp sensor fault	DPF In temperature sensor signal global fault

## Influences on vehicle

1. DPF regeneration stop
2. EGR valve control stop

## Circuit Diagram and Connector

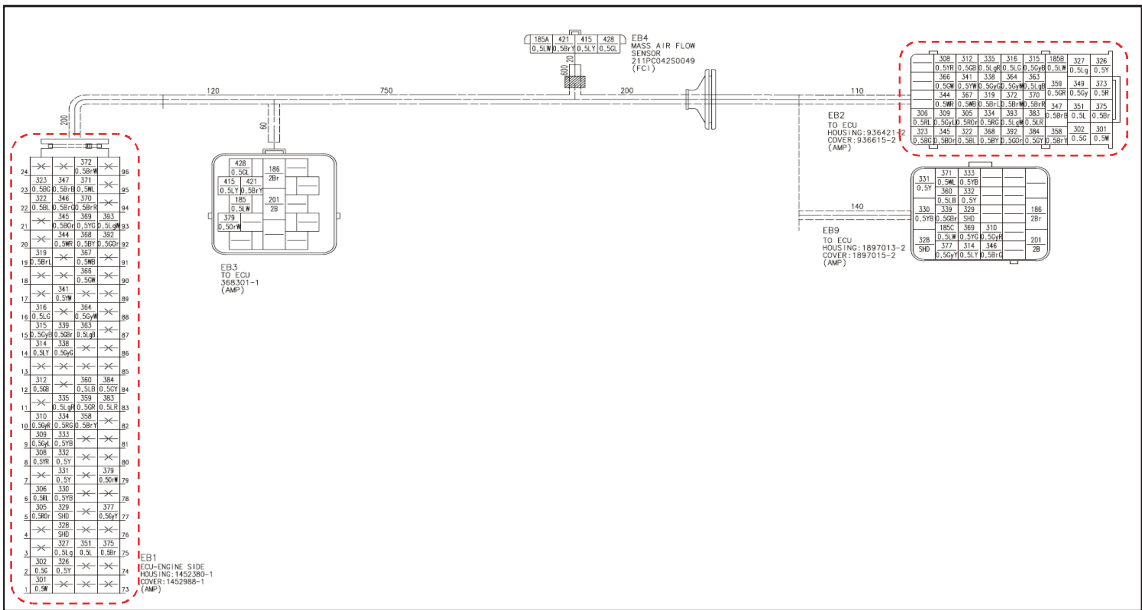


## Maintenance Procedure


Stage	Check List	Corrective Measure	
		Yes	No
1	Read fault code. Vext fault present? (P0641, P0651, P0697)	Go to stage 2	Go to stage 3
2	Problem with one of the sensors causing loss of Vext: Disconnect sensors one by one checking if fault disappear to find which one is faulty. If no faulty found, check short circuit and isolation of Vext lines on the harness. Find the failure cause?	Change sensor or change harness	–
3	Check sensor connection. Sensor connection problem ?	Perform necessary repair	Go to stage 4
4	Check sensor resistance, <sup>1)</sup> If applicable. Resistance problem ?	Change sensor	Go to stage 5
5	Check ECU connection. Connection problem ?	Perform necessary repair	Go to stage 6
6	Check continuity and electrical isolation of harness. <sup>2)</sup> • Check EC15 connector 1/2pin on EC2 connector 31/42pin • Check EC15 connector 2/2pin on EC2 connector 32/42pin • Check EB1 connector 5/96pin on EB2 connector 31/42pin • Check EB1 connector 22/96pin on EB2 connector 32/42pin Harness problem?	Change harness	Call Hot–line

### 1) DPF Temperature

T[°C]	Rs[Ω]	U0[V]
-40.00	170.2	0.727
-20.00	185.6	0.783
0.00	201.0	0.837
25.00	220.1	0.902
50.00	239.0	0.964
100.00	276.4	1.083
200.00	349.5	1.295
400.00	488.6	1.641
600.00	618.3	1.910
800.00	738.7	2.124
1000.00	849.7	2.297

[illegible]

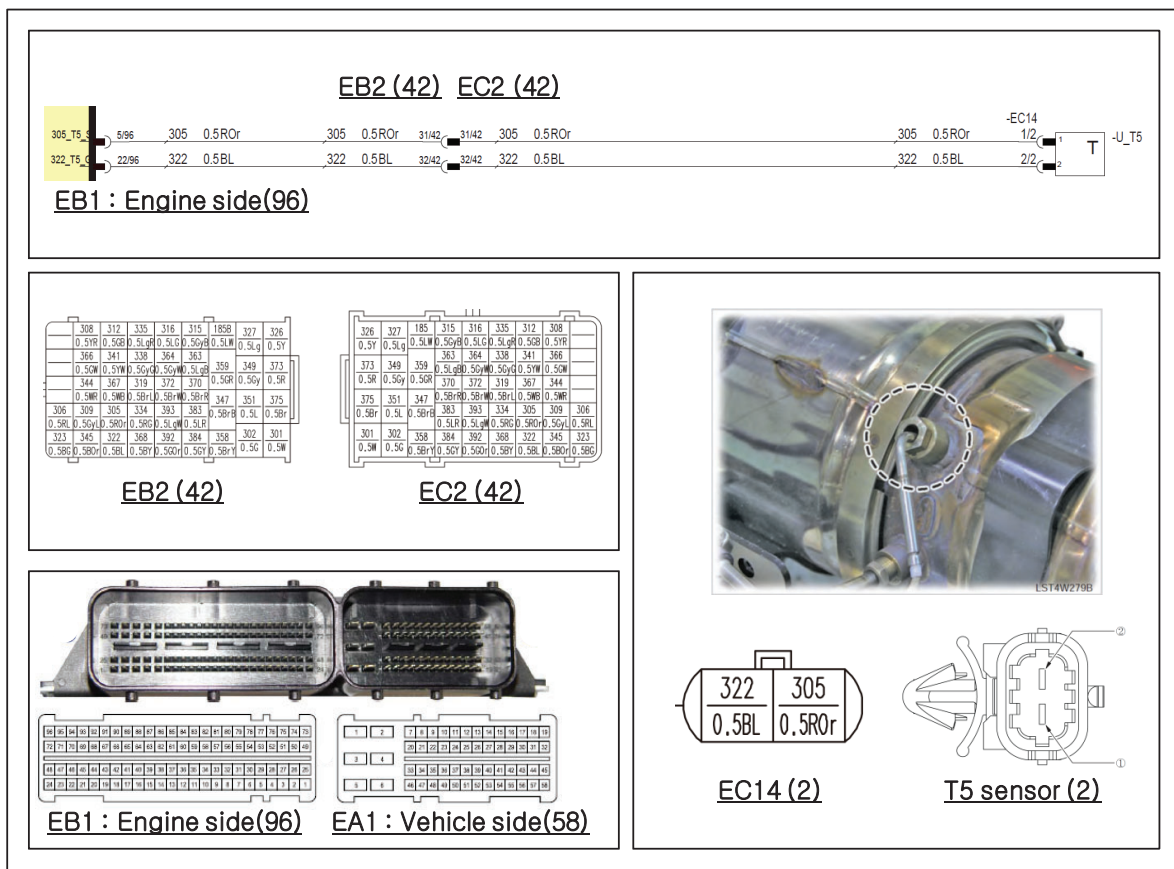
Dashboard Fault Code: s173 F03

Lamp	Title	Cause
AMB Solid On 	DPF In temp sensor high fault	DPF temp. sensor wiring or circuit failure

## Influences on vehicle

1. DPF regeneration stop
2. EGR valve control stop

## Circuit Diagram and Connector



## Maintenance Procedure

Stage	Check List	Corrective Measure	
		Yes	No
1	Read fault code. Vext fault present? (P0641, P0651, P0697)	Go to stage 2	Go to stage 3
2	Problem with one of the sensors causing loss of Vext: Disconnect sensors one by one checking if fault disappear to find which one is faulty. If no faulty found, check short circuit and isolation of Vext lines on the harness. Find the failure cause?	Change sensor or change harness	–
3	Check sensor connection. Sensor connection problem ?	Perform necessary repair	Go to stage 4
4	Check sensor resistance, <sup>1)</sup> If applicable. Resistance problem ?	Change sensor	Go to stage 5
5	Check ECU connection. Connection problem ?	Perform necessary repair	Go to stage 6
6	Check continuity and electrical isolation of harness. <sup>2)</sup> • Check EC15 connector 1/2pin on EC2 connector 31/42pin • Check EC15 connector 2/2pin on EC2 connector 32/42pin • Check EB1 connector 5/96pin on EB2 connector 31/42pin • Check EB1 connector 22/96pin on EB2 connector 32/42pin Harness problem?	Change harness	Call Hot–line

### 1) DPF Temperature

T[°C]	Rs[Ω]	U0[V]
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## 2) Harness Maintenance

