

Lexus GS300 2006-2011 Workshop Manual

EM-16

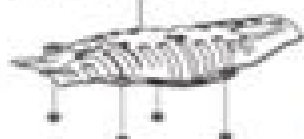
2006-2011 ENGINE MECHANICAL - ENGINE ASSEMBLY

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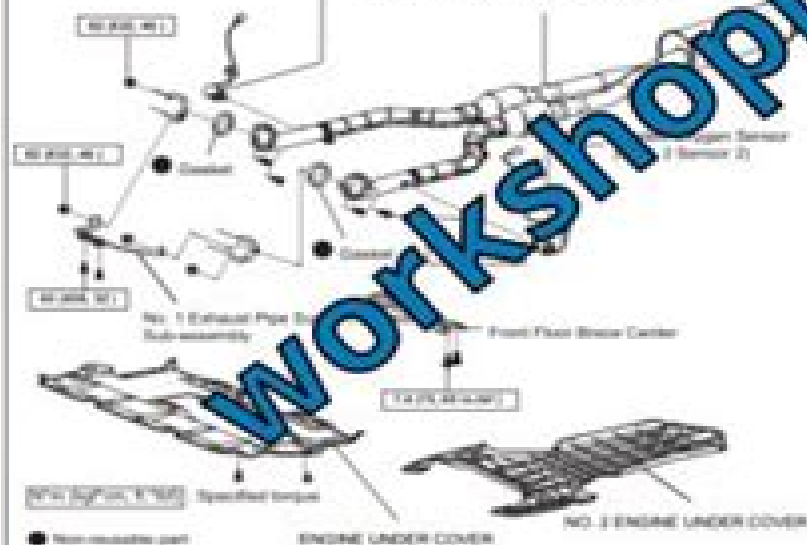


No. 1 Front Floor Heat Insulator



Heated Oxygen Sensor
(Bank 1 Sensor 2)

FRONT EXHAUST PIPE ASSEMBLY



ENGINE UNDER COVER

NO. 2 ENGINE UNDER COVER

● Non-reusable part

EM-17

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DLC3

CO



Download

- Confirm the terminal numbers before connecting them. Connecting the wrong terminals can damage the engine.
- When checking the ignition timing, the transmission should be in the neutral.

- Using a timing light, check the ignition timing.
Ignition timing:
8 to 12 BTDC at idle
- Remove the SST from the DLC3.
- Check the ignition timing.
Ignition timing:
8 to 15 BTDC at idle
- Check that the ignition timing advances immediately when the engine speed is increased.
- Disconnect the timing light from the engine.
- Install the V-belt cover sub-assembly.

3. INSPECT ENGINE IDLE SPEED

- Warm up and stop the engine.

NOTICE:

A warmed up engine should have an engine coolant temperature of over 80°C (176°F) and an engine oil temperature of 85°C (185°F), and the engine rpm should be stabilized.

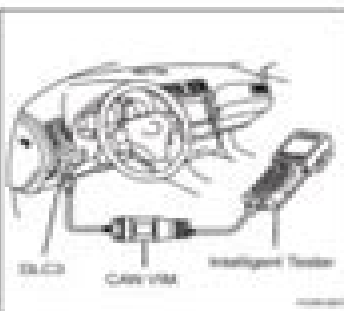
- When using the intelligent tester:

- Connect the intelligent tester to the DLC3.

NOTICE:

Switch off all accessories and A/C before connecting the intelligent tester.

- Place the engine speed at 2,500 rpm for approx. 90 seconds.
 - Push the intelligent tester main switch ON.
 - Enter the following items: position / Engine and ECT / Data list / Engine SPD.
- Idle speed:
600 to 700 rpm
- NOTICE:**
When checking the idle speed, the transmission should be in the neutral.
HINT:
Please refer to the intelligent tester operator's manual for further details.
If the idle speed is not as specified, check the air intake system.
- Disconnect the intelligent tester from the DLC3.



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