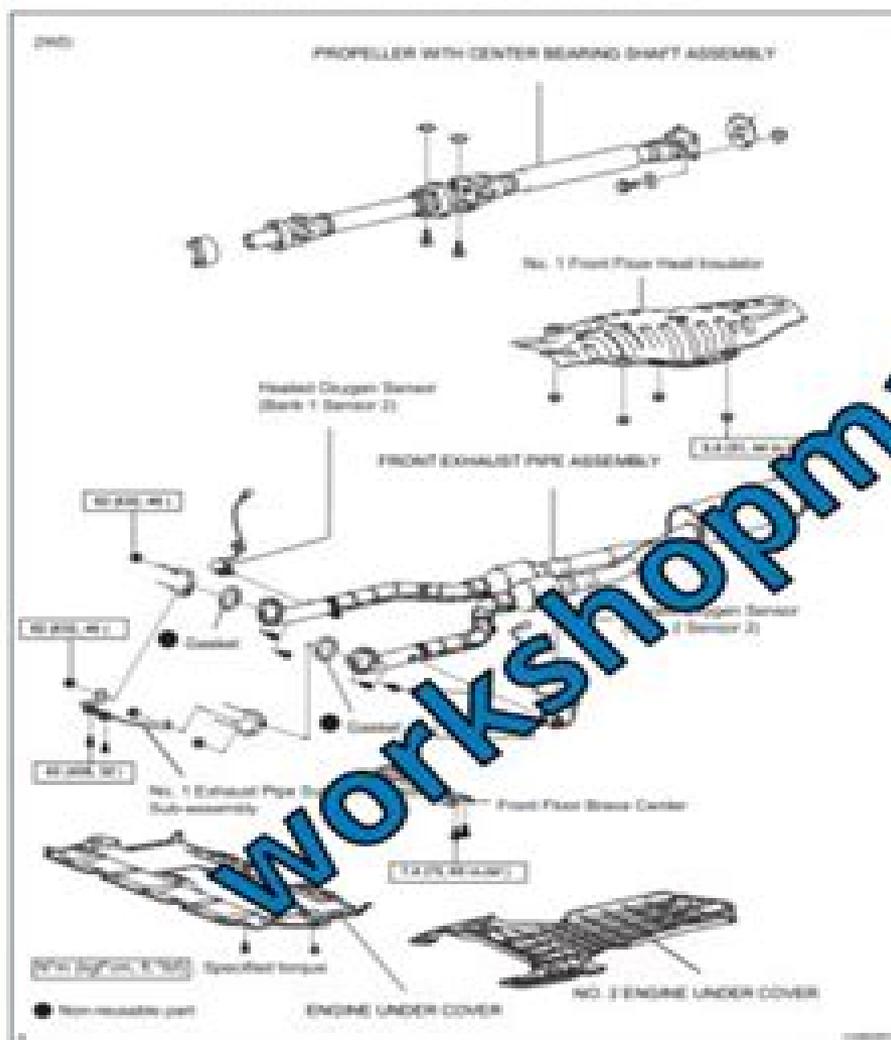


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EM-18

NOA-PBE ENGINE MECHANICAL - ENGINE ASSEMBLY



EM-2

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- 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 82°C (142°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: powertrain / 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. **NOTE:** 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.

2006 Lexus Gs300 Service Manual

Joe L. Hamilton, John Harold Haynes



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Road and Track ,2007 *The Complete Car Cost Guide*, 2002 IntelliChoice, Inc,2002 **Home Power** ,2006

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