LEXUS **Tech Tip** L-TT-0093-12 September 18, 2014

Subject
Engine Misfire Duplication Procedure - MIL "ON" DTC P030# and/or Intermittently Runs Rough

Market
USA

Service Category
Vehicle Interior

Section
Meter/Gauge/Display

Applicability
IS250; GS300

APPLICABLE VEHICLES

2006-2010	IS250	2006	GS300
2010	IS250C		

CONDITION

Some IS250 and GS300 vehicles may exhibit one or more of the following conditions:
- MIL "ON" DTC P0300, P0301, P0302, P0303, P0304, P0305, and/or P0306
- Intermittently runs rough after coming to a stop with the engine at operating temperature
- Intermittently runs rough with engine misfires present after a cold soak startup

NOTE: The recommendations in this document apply to an intermittent misfire concern. If a vehicle exhibits a steady misfire, the root cause is not related to the referenced service bulletins and the repair manual should be referenced for diagnosis.

RECOMMENDATIONS

Confirm and duplicate the condition by performing the following:

1. Prior to starting the vehicle, start recording an Engine "All Data" snapshot on the Techstream
2. If the engine is cold, start and allow the vehicle to reach operating temperature while monitoring for misfire activity
3. Once the engine is at operating temperature per the "Coolant Temp" data parameter, repeat the following steps:
   - Increase engine speed to 4000 RPM and hold for 30 seconds
   - After 30 seconds, momentarily rev the engine above 4000 RPM and allow the engine to return to idle
   - Monitor the data list for misfire activity once the engine returns to idle
   - Perform steps a) through c) up to 10 cycles maximum or until a multiple misfire count event is duplicated
4. Create a TA case and attach the Techstream file with any relevant data
5. Contact the TAS hotline for further assistance prior to starting any repairs

LINK REFERENCES

- L-SB-0124-12: '06-'10 IS 250/250C: MIL "ON" DTC P030#, Intermittently Runs Rough, and/or Engine Oil Consumption
- L-SB-0125-12: '06 GS 300: MIL "ON" DTC P030#, Intermittently Runs Rough, and/or Engine Oil Consumption

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