LEXUS

Technical Service Information Bulletin

February 16, 2007

Title:
GR–FSE SERIES ENGINE OIL LEAK

Models:
'06 GS 300, IS 250, & IS 350

TSIB

Introduction	Some 2006 model year GS 300, IS 250, and IS 350 vehicles may display evidence of a small oil leak, located on the timing cover and/or the Camshaft Housing Sub–assembly. Please use the repair procedure below to address customer concerns.
Applicable Vehicles	• **2006** model year **GS 300, IS 250,** and **IS 350** vehicles produced **BEFORE** the Production Change Effective VINs shown below.

Production Change Information

MODEL	TYPE	ENGINE	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
GS 300	2WD	3GR–FSE	Tahara	JTHBH96S*65039523
	AWD			JTHCH96S*60018925
IS 250	2WD	4GR–FSE	Tahara	JTHBK262*65017559
	AWD			JTHCK262*65005842
	2WD		Kyusyu	JTHBK262*62014511
	AWD			JTHCK262*62005824
IS 350	2WD	2GR–FSE	Tahara	JTHBE262*65007914
			Kyusyu	JTHBE262*62004615

Required Tools & Material

TOOLS & MATERIAL	QUANTITY
Three Bond 1324 or Equivalent	As Needed
FIPG Sealant: P/N 08826–00080 or Equivalent	As Needed
ILSAC GF–4 Multi–grade SAE 5W–30	6.7 U.S. qts (2WD) 6.8 U.S. qts (4WD)

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EG5046	Reseal Front Timing Cover with FIPG, and R & R RH and LH Camshaft Housing Sub–assembly	18.0	11103–31010 11104–31020 11104–31030	65	48

Applicable Warranty*:

This repair is covered under the Lexus Powertrain Warranty. This warranty is in effect for 72 months or 70,000 miles, whichever occurs first, from the vehicle's in-service date.

* Warranty application is limited to correction of a problem based upon a customer's specific complaint.
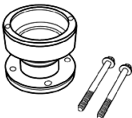
Parts Information

MODEL	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
GS 300, IS 250, IS 350	11103–31010	11103–31011	Housing Sub–assembly, Camshaft, RH	1
GS 300, IS 250	11104–31020	11104–31021	Housing Sub–assembly, Camshaft, LH	1
IS 350	11104–31030	11104–31031		1
GS 300, IS 250, IS 350	91551–80625	90105–06323	Bolt, Flange	17
	91551–80835	90105–08456		4
GS 300, IS 250, IS 350	91671–80616	90119–06980*	Bolt, w/Washer (for Fuel Pipe No. 1)	2
GS 300	04111–31290	Same	Gasket Kit, Engine Overhaul	1
IS 250	04111–31530	Same		1
IS 350	04111–31600	Same		1

*   New bolts are used for the perforated screw hole on the camshaft housing.

Required SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)		PART NUMBER	QTY	DRW**
1	**Oil Filter Wrench***		09228–06500–02	1	1
2	**Crankshaft Pulley Holding Tool***		09213–70011–01	1	5
3	**Companion Flange Holding Tool*** NOTE: • All components from this kit/set are required.		09330–00021	1	3
4	**Universal Puller Set "C"*** NOTE: • All components from this kit/set are required.		09950–50013–02	1	24
5	**Gasket Seal Cutter***		09032–00100	1	1

*   Essential SSTs.
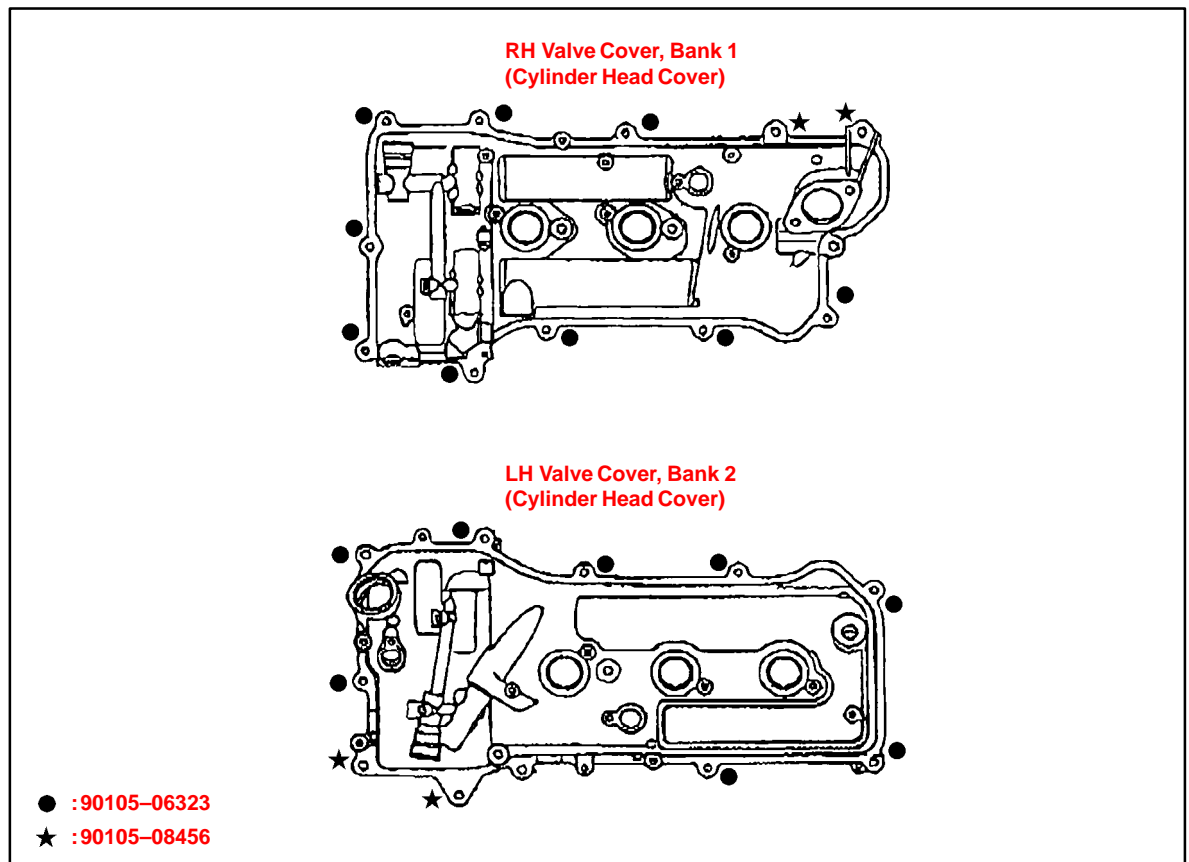**   Drawer number in SST Storage System.

> **NOTE:**
> **Additional SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.**
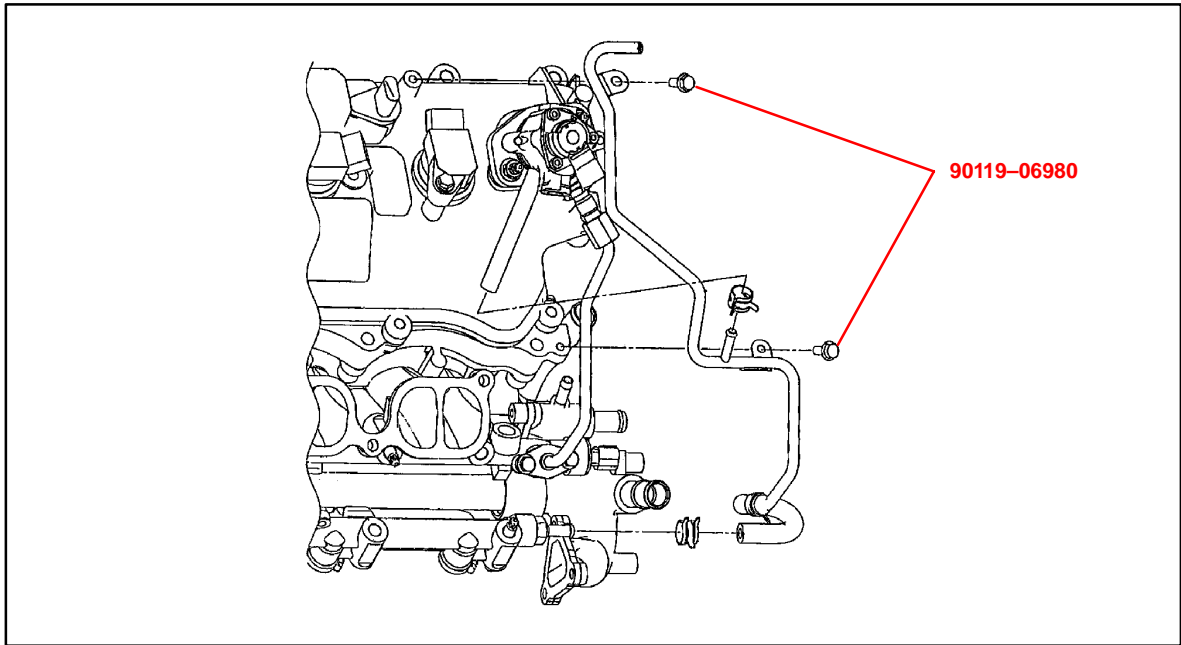
**Repair
Procedure**

1. Remove the engine assembly.

    Refer to the Technical Information System (TIS), 2006 model year GS 300, IS 250, or IS 350 Repair Manual, *Engine/Hybrid System – Engine Mechanical – "3GR/4GR/2GR–FSE (applicable engine) Engine Mechanical: Engine Assembly: Removal"*.

2. Disassemble the engine to remove the timing cover and **replace the RH and LH Camshaft Housing Sub–assemblies.**

    Refer to TIS, 2006 model year GS 300, IS 250, or IS 350 Repair Manual, *Engine/Hybrid System – Engine Mechanical – "3GR/4GR/2GR–FSE (applicable engine) Engine Mechanical: Engine Unit: Disassembly"* (steps 1–57 only).

3. Reassemble the engine.

    Refer to TIS, 2006 model year GS 300, IS 250, or IS 350 Repair Manual, *Engine/Hybrid System – Engine Mechanical – "3GR/4GR/2GR–FSE (applicable engine) Engine Mechanical: Engine Unit: Reassembly"* (steps 30–75 only).

> **NOTE:**
> **Refer to the illustrations below for the new valve cover bolt orientations.**

**RH Valve Cover, Bank 1
(Cylinder Head Cover)**

**LH Valve Cover, Bank 2
(Cylinder Head Cover)**

● :90105–06323
★ :90105–08456

**Repair
Procedure**
(Continued)

90119–06980

4. Reinstall the engine assembly.

    Refer to TIS, 2006 model year GS 300, IS 250, or IS 350 Repair Manual,
    Engine/Hybrid System – Engine Mechanical – "3GR/4GR/2GR–FSE (applicable
    engine) *Engine Mechanical: Engine Assembly: Installation"*.