

2GR-FKS Engine Oil Leak From Cam Sensor Bolt Hole(s)

Service Category Engine/Hybrid System

Section Lubrication

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016 - 2018	RX350	VDS(s): BZMCA, ZZMCA

Introduction

Some 2016 – 2018 model year RX350 vehicles equipped with a 2GR-FKS engine may exhibit an oil leak from the cam sensor bolt hole(s). Follow the Repair Procedure in this bulletin to address this condition.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective Engine Number shown below.

ENGINE	MODEL	PRODUCTION CHANGE EFFECTIVE ENGINE NUMBER
2GR-FKS	RX350	2GR M352598
		All "F" Serial Engines Are Post-countermeasure
		This Bulletin Does NOT Apply to "K" Serial Engines

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EG1802	R & R Camshaft Housing	18.3	11104-0P020	65	48
COMBO A	Opposite side	0.3	11103-0P020		

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 occurrence of the specified condition described in this bulletin.

2GR-FKS Engine Oil Leak From Cam Sensor Bolt Hole(s)

Parts Information

PART NUMBER		PART NAME	QTY	
PREVIOUS	NEW		LH	RH
90105-A0103	90105-06323	Bolt, Flange	2	2
11103-0P020	11103-0P022	Housing Sub-Assy, Camshaft, RH	–	1
11104-0P020		Housing Sub-Assy, Camshaft, LH	1	–
11159-0P040		Gasket, Camshaft Bearing Cap Oil Hole	1	1
15193-0P010		Gasket, Oil Pump	1	
11213-31080		Gasket, Cylinder Head	2	2
11193-0P010		Gasket, Spark Plug Tube	3	3

2GR-FKS Engine Oil Leak From Cam Sensor Bolt Hole(s)

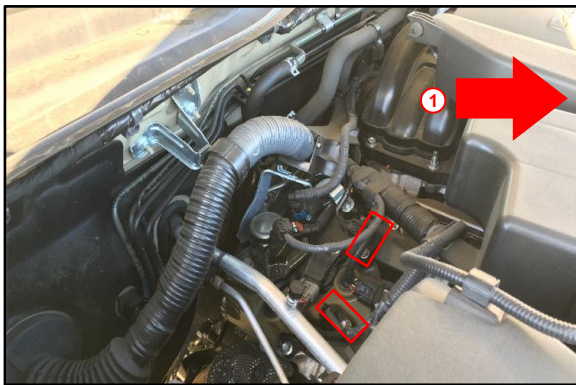
Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit an oil leak from one or more cam sensor bolt holes?
(Refer to Figures 1 – 4.)

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

Figure 1. Cam Sensor Locations



1	Front of Vehicle
----------	-------------------------

Figure 2. Cam Sensor Locations (Close Up)

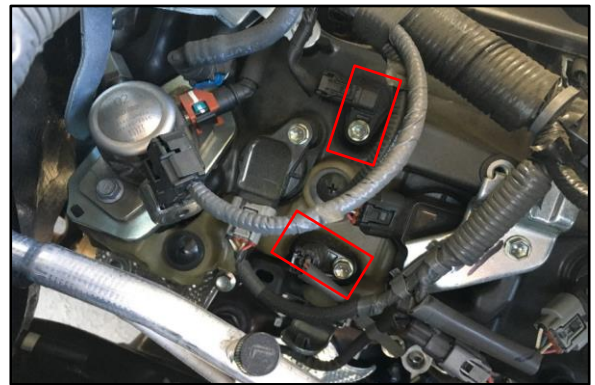


Figure 3. Engine Oil in Cam Sensor Bolt Hole



Figure 4. Cam Sensor Bolt Hole (Valve Cover Removed)



2GR-FKS Engine Oil Leak From Cam Sensor Bolt Hole(s)

Repair Procedure (continued)

2. Remove the affected cam housing.

Refer to TIS, applicable model and model year Repair Manual:

- 2016 – 2017 RX 350:
Engine/Hybrid System – Engine Mechanical –
[“2GR-FKS Engine Mechanical: Cylinder Head Gasket: Removal”](#)
- 2018 RX 350:
Engine/Hybrid System – Engine Mechanical –
[“2GR-FKS Engine Mechanical: Cylinder Head Gasket: Removal”](#)

3. Install the NEW cam housing.

NOTE

Replace ALL cam sensor bolts on the NEW cam housing with the supplied bolts. Do NOT reuse the old cam sensor bolts.

Refer to TIS, applicable model and model year Repair Manual:

- 2016 – 2017 RX 350:
Engine/Hybrid System – Engine Mechanical –
[“2GR-FKS Engine Mechanical: Cylinder Head Gasket: Installation”](#)
- 2018 RX 350:
Engine/Hybrid System – Engine Mechanical –
[“2GR-FKS Engine Mechanical: Cylinder Head Gasket: Installation”](#)

4. Confirm that the oil leak no longer exists.