



**Technical Service
BULLETIN**

December 23, 2005

Title:

**ENGINE OIL DRIP: BANK 1
VVTi OIL LINE**

Models:

'05 Avalon

**ENGINE
EG064-05**

Introduction Some 2005 model year Avalon vehicles may experience a small/slow oil drip from the bank 1 VVTi oil supply line on the front of the engine. The oil pipe has been improved to prevent this condition.

- Applicable Vehicles**
- **2005** model year **Avalon** vehicles produced **BEFORE** the Production Change Effective VIN shown below.

**Production
Change
Information**

MODEL	PRODUCTION CHANGE EFFECTIVE VIN
Avalon	4T1BK36B#5U037692

**Parts
Information**

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
15707-31010	Same	Oil Pipe Sub-assembly	1
11322-31020	11322-31021	Timing Gear Cover No. 2	1
90430-16012	Same	Gasket	2
90430-16016	Same	Gasket	1

**Warranty
Information**

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EG5024	R & R Oil Pipe	1.0	15707-31010	65	57

Applicable Warranty*:

This repair is covered under the Toyota Powertrain Warranty. This warranty is in effect for 60 months or 60,000 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.

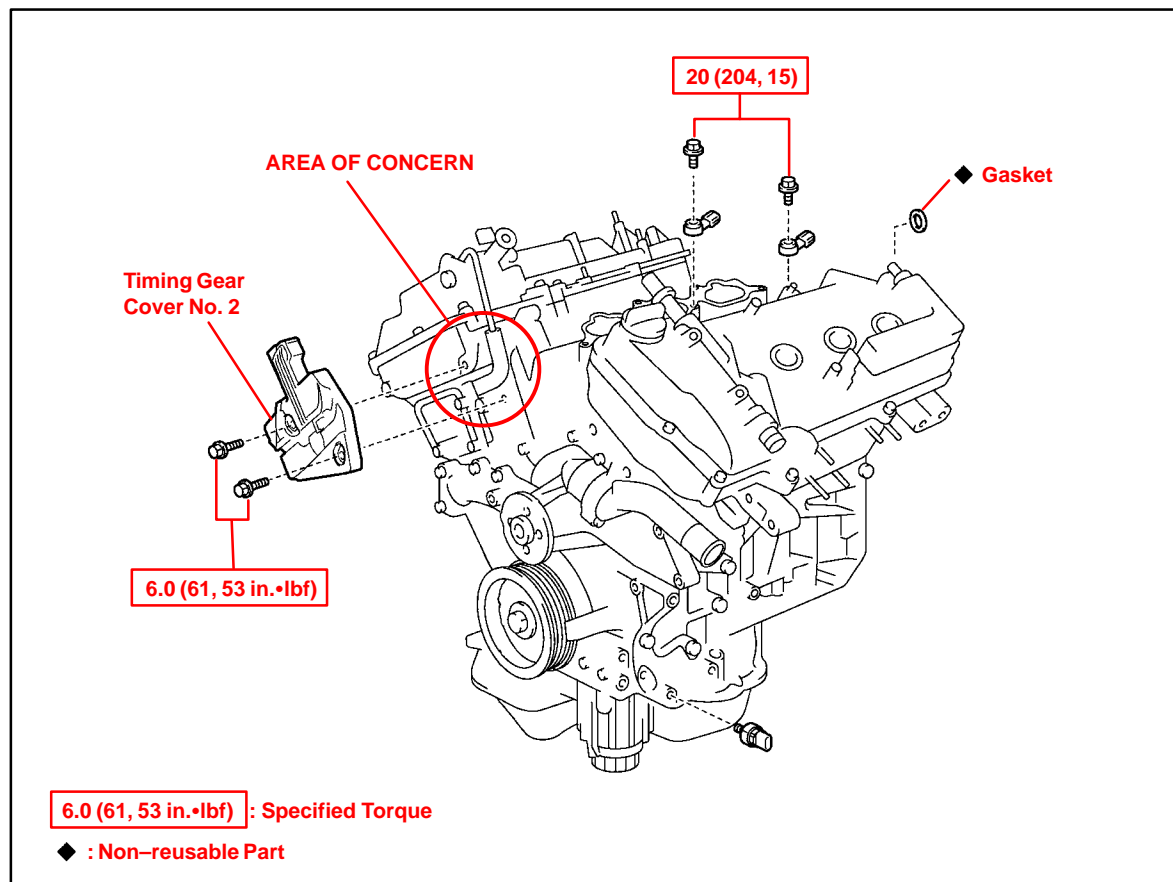


**Repair
Procedure**

1. Confirm that the source of the oil drip is from the oil pipe sub-assembly for bank 1 VVTi in the area indicated in the illustration below.

NOTE:

The oil drip is occurring under timing gear cover No. 2 where the rubber hose connects to the metal pipe, with some oil held in the insulating foam.



2. If the pipe/hose connection is NOT leaking, continue leak source identification using a leak identification marking dye.
3. If the oil pipe sub-assembly on bank 1 of the engine is leaking, replace the oil pipe.
 - A. Remove timing gear cover No. 2.

**Repair
Procedure**
(Continued)

- B. Remove oil pipe.
- Remove the bolt (A).
 - Remove the 2 oil pipe unions and the oil pipe.
 - Remove the oil control valve filter and gaskets.
- C. Install oil pipe.
- Make sure that there is no foreign matter on the mesh of the oil control valve filter.
 - Install the oil control valve filter to the oil pipe union.
 - Install 2 new gaskets and install the oil pipe (on the head cover side) with the oil pipe union.

NOTE:

Remove any oil from the contact surface.

- Install a new gasket and install the oil pipe (on the cylinder head side) with the oil pipe union.

NOTE:

Remove any oil from the contact surface.

- Install the bolt (A) to the timing gear cover
Torque: 10 N•m
(102 kgf•cm, 7 ft•lbf)
- Tighten the oil pipe union (on the head cover side).
Torque: 65 N•m
(663 kgf•cm, 48 ft•lbf)
- Tighten the oil pipe union (on the cylinder head side).
Torque: 65 N•m
(663 kgf•cm, 48 ft•lbf)

- Install new timing gear cover No. 2.
- Confirm that engine oil level is correct.
- Start engine and confirm that there are NO oil leaks.

