

**ENGINE—3.0L 2V (VULCAN) REVISED OIL PAN
GASKET REPLACEMENT PROCEDURE—NEW
SERVICE KIT—SERVICE TIP**

**Article No.
03-5-3**

FORD: 1986-2001 TAURUS
1990-1991 PROBE
1992-1994 TEMPO
1986-1997 AEROSTAR
1991-2001 RANGER
1995-2000 WINDSTAR

MERCURY: 1986-2001 SABLE
1992-1994 TOPAZ

Article **01-12-4** is being republished in its entirety to update the Service Parts involved.

ISSUE

A service oil pan gasket and a new service oil pan gasket kit has been released for all 3.0L-2V "Vulcan" engines built from 1986-2001. The new service (only) gasket eliminates the need to attach the gasket to the block with a contact adhesive thus eliminating gasket creep (sideways) movement during installation. Slightly longer fasteners (bolts) have also been released and packaged in the kit. The old bolts must be replaced with the new ones. The new gasket is installed by placing it on the oil pan and not gluing it to the block. The bolts will still have to be torqued twice during installation and once after the engine has reached operating

temperature. The torque value for the bolts has not changed and is the same as listed in the Workshop Manuals.

ACTION

Install the new service Oil Pan Gasket Service Kit (2U7Z-6710-AA). Refer to the following Service Procedure for details.

SERVICE PROCEDURE

Use the following revised Oil Pan Gasket Kit (2U7Z-6710-AA) installation procedure.

1. Remove the oil pan as instructed in the appropriate model year Service Work Shop Manual and discard the old gasket and fasteners (bolts).

NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford, Lincoln, or Mercury dealership to determine whether the Bulletin applies to your vehicle.

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2. Clean and inspect both the oil pan and the engine block mounting surface. Carefully and thoroughly remove all traces of the old RTV sealant from the oil pan and engine block. Refer to the Workshop Manual for the correct metal surface cleaner.
3. Apply beads of Silicone Gasket and Sealant (F7AZ-19554-EA), or equivalent meeting Ford specification (WSE-M4G323-A4) to the front cover and rear bearing cap-to-block parting lines (Figure 2).
4. Install the gasket on the oil pan, being careful not to damage the plastic tabs.
5. Install the oil pan to the engine block with the new fastener (bolts) packaged in the service kit, run down all the bolts by hand (Figure 1).
6. Tighten the four (4) corner bolts first to 106 Lb-in (12 N•m).
7. Tighten the remaining fourteen (14) bolts from back to front (alternating from side to side) to 106 Lb-in (12 N•m). Figure 1.
8. Check all the bolts by retightening to the same torque specification.
9. Finish installing the oil pan per appropriate model year and vehicle application Workshop Manual procedure.
10. Refill engine with oil, start engine and allow it to reach operating temperature. The cooling fan should cycle at least one time. Stop the engine and retighten (torque) all the oil pan bolts to 106 Lb-in (12 N•m).
11. Inspect for oil leaks.

PART NUMBER	PART NAME
2U7Z-6710-AA F7AZ-19554-EA	Kit - Oil Pan Gasket Silicone Gasket & Sealant

NOTE

THE TWO CORNER BOLTS NEAR THE FRONT OF THE ENGINE ARE A DIFFERENT LENGTH.

OTHER APPLICABLE ARTICLES: NONE
SUPERSEDES: 01-12-4
WARRANTY STATUS: INFORMATION ONLY
OASIS CODES: 401000, 490000, 499000

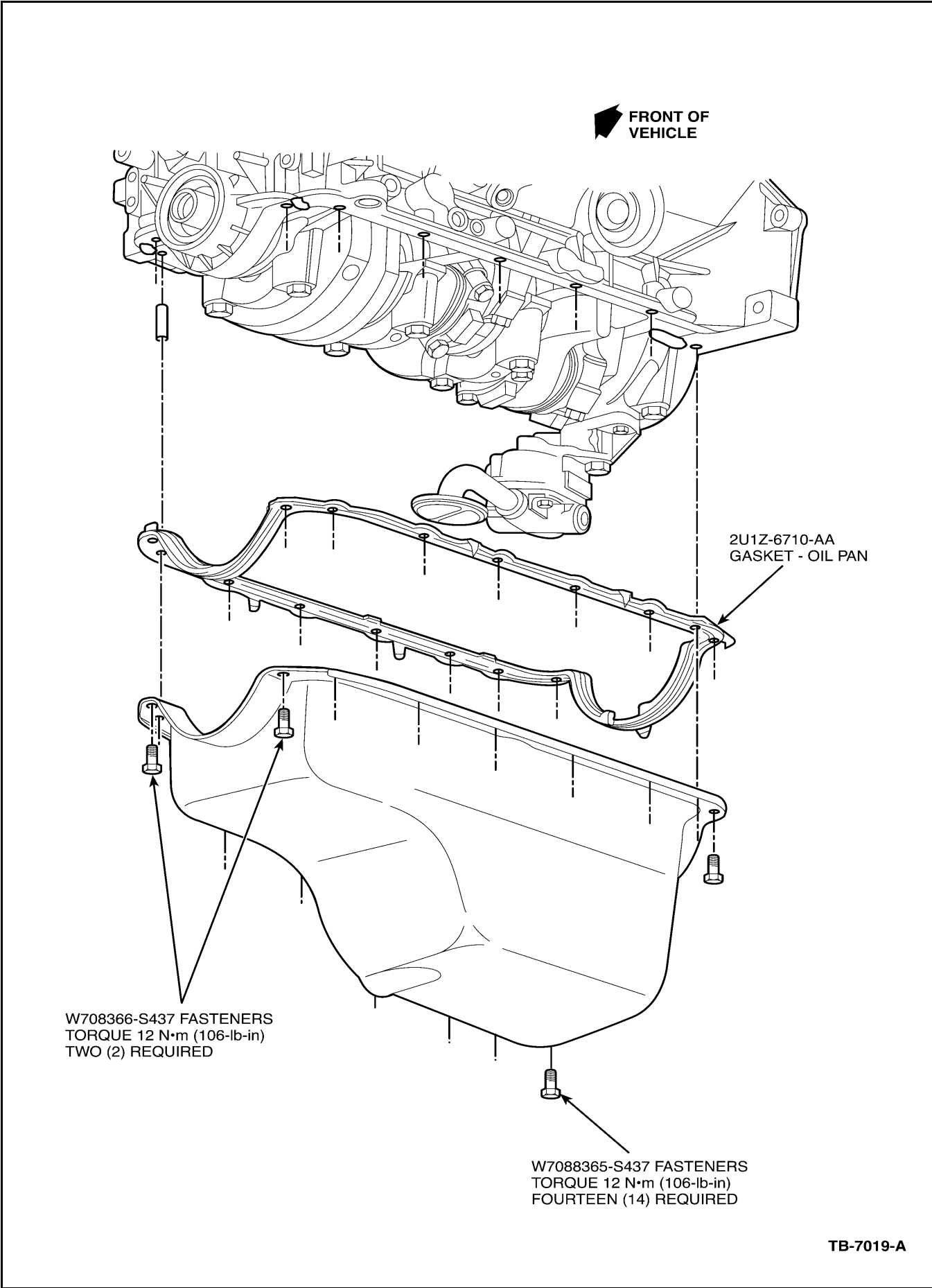
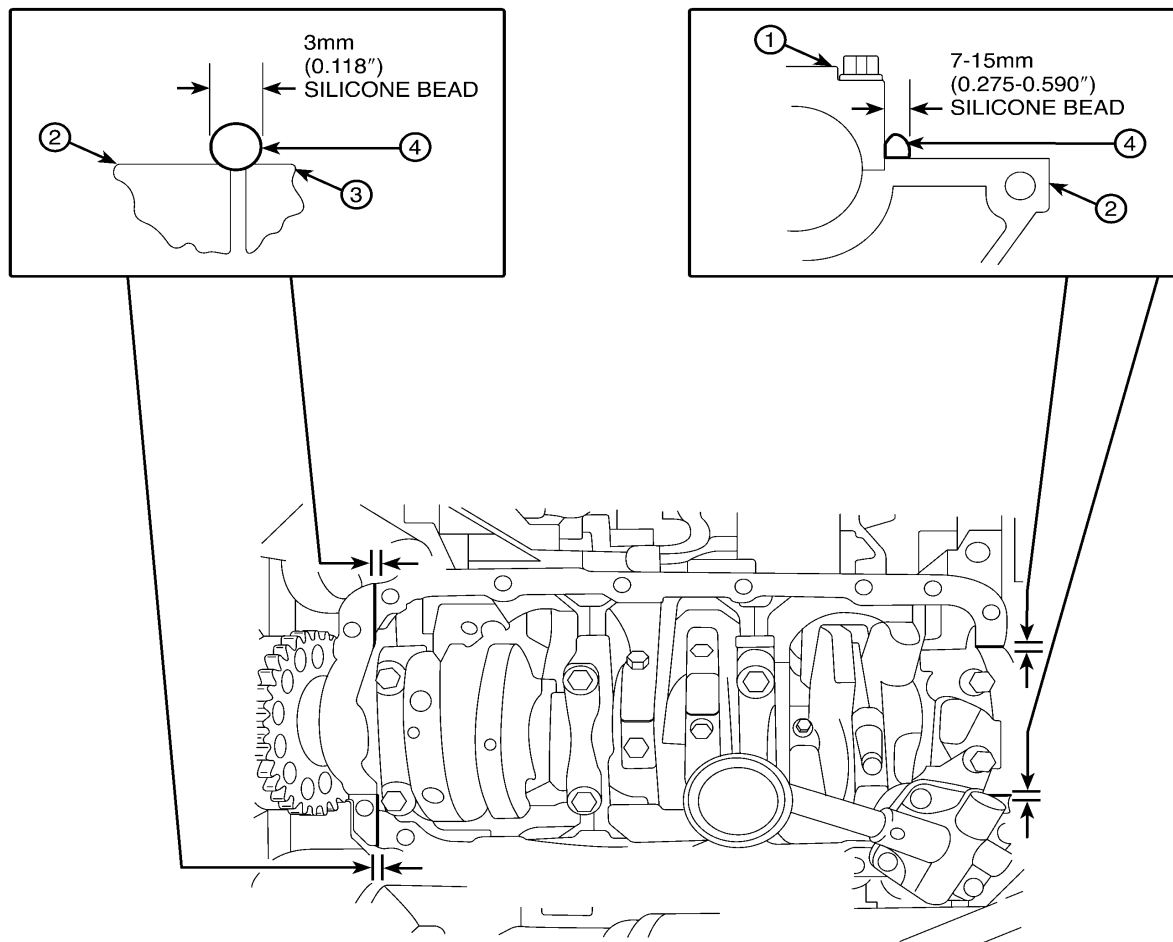


Figure 1 - Article 03-5-3



ITEM	PART NUMBER	DESCRIPTION
1		REAR MAIN BEARING CAP (PART OF -6010-)
2	-6010-	CYLINDER BLOCK
3	-6019-	ENGINE FRONT COVER
4	-19554-	SILICONE GASKET AND SEALANT

TB-5839-B

Figure 2 - Article 03-5-3