

Enginetech Inc
Tech Assistance 800-410-3664 ext. 340 or 237

TECHNICAL BULLETIN	
	August 1998
	TB 1601
Mfg:	GM
Model:	CALAIS
Liter:	2.3L
V I N:	A
Year:	88-95

**Camshaft Housing Assembly Caution On
1987-95 GM 2.3L VIN A, D & 3 Engines**

The AERA Technical Committee offers the following information on camshaft housing assembly caution on 1987-95 GM 2.3L VIN A,D & 3 engines. This engine has used two different types of camshaft housing assemblies for different years. Two different designs are used in the 1992-93 period.

If the correct gasket is not used with the assembly, an oil leak or lack of oil pressure in the assembly may result. Ordering parts by the year model only may present a problem if the wrong gasket is obtained and used.

The housing for (early) vehicles are serviced with a (later) model camshaft assembly housing. The early assembly has a seal groove in the housing itself. The later assembly has a seal groove within the cover. The seal groove in the later cover is deeper than the seal groove used in the earlier housing. If an early seal is used in a later cover, the seal cover may leak. If the later seal is used in the early housing, the seal life and camshaft journal clearance may be affected. Obtaining the correct seal for the years of the engine that is being worked on, will help eliminate any oil leaks around the camshaft housing.

The later cam carrier cover surface that seals against the housing is not a machined surface. The surface was designed as an "AS CAST" surface, and the un-machined surface will not cause a oil leak according to GM.

Camshaft Housing Gaskets:

Years	Location	Thickness	Part Number
1987-93	Intake	.090" (2.286 mm)	12334625
1987-92	Exhaust	.090" (2.286 mm)	12334626

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1992-94	Intake	.190" (4.826 mm)	12355989
1995	Intake	.190" (4.826 mm)	12363173
1992-95	Exhaust	.190" (4.826 mm)	12355988

The AERA Technical Committee

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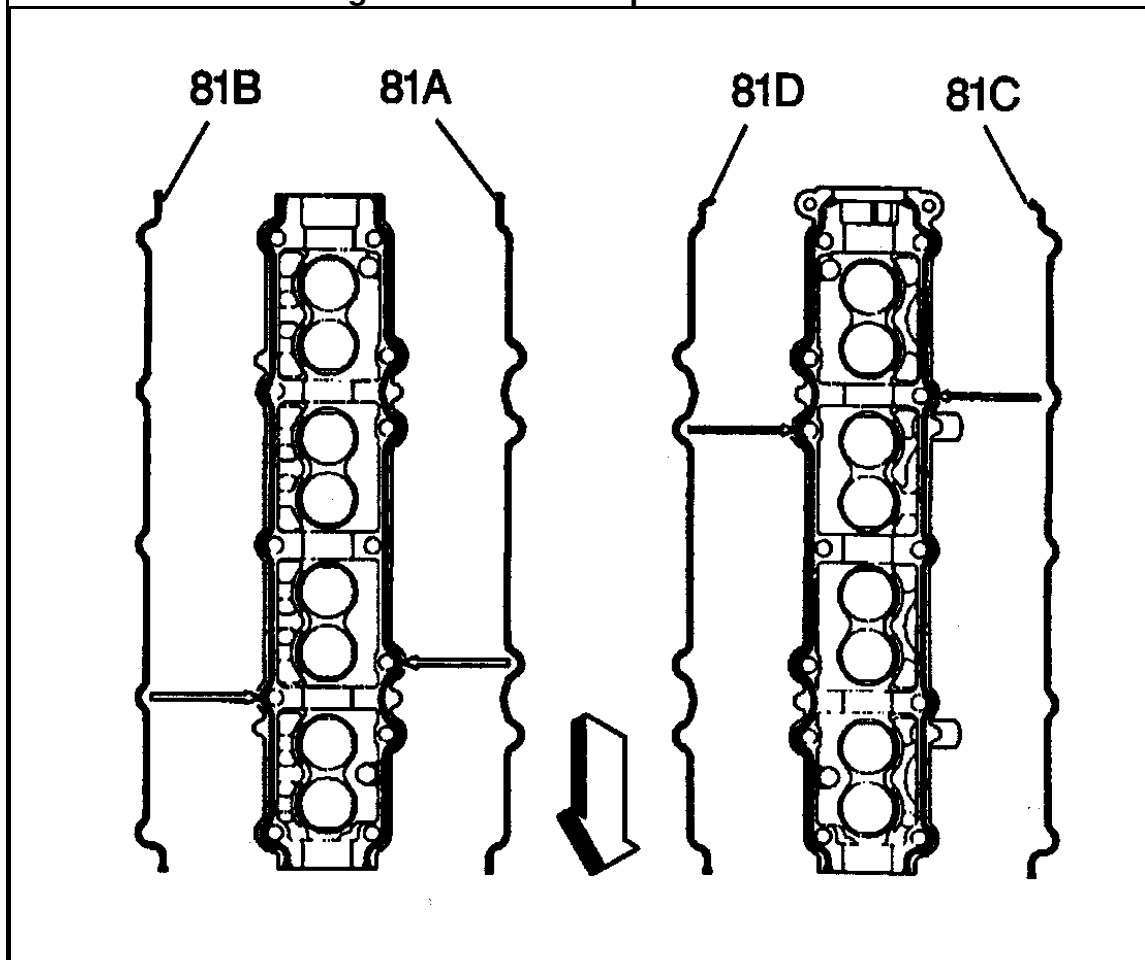


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Bulletin Diagram: Untitled Graphic #2329 for TB 01601



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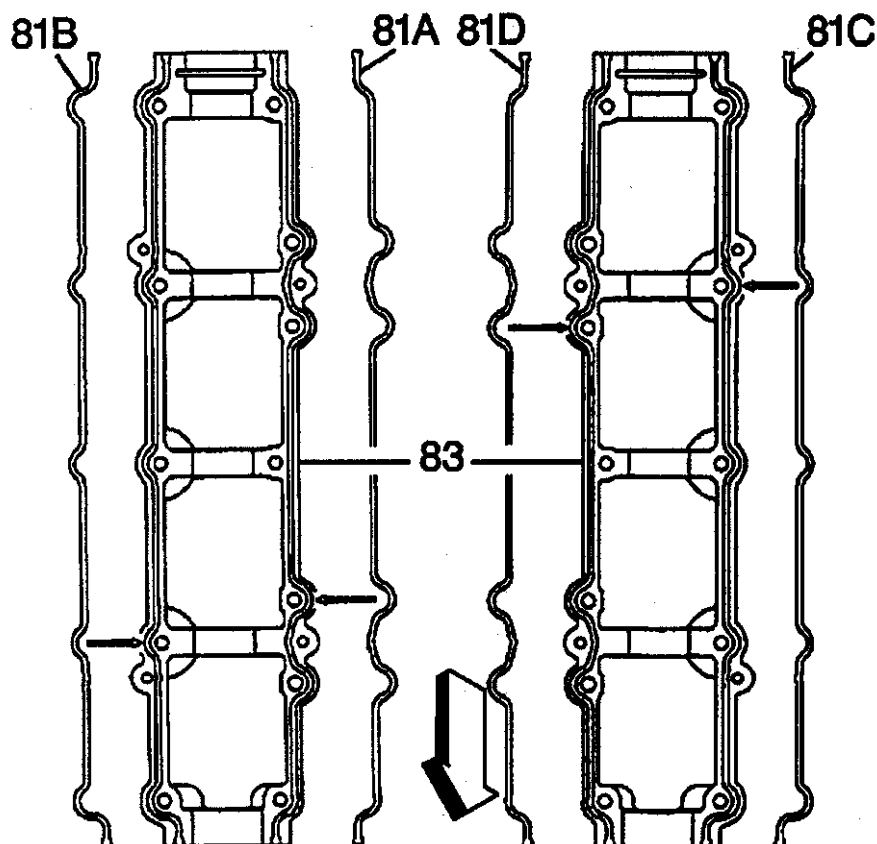


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Bulletin Diagram: Untitled Graphic #2330 for TB 01601



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