

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

TECHNICAL BULLETIN	
	May 2000
	TB 1793
Mfg:	GM
Model:	SUBURBAN
Liter:	7.4L
V I N:	J
Year:	96-00

**Lack Of Engine Oil To The Front Rocker Arms
On GM Big Block Chevrolet Engines**

The AERA Technical Committee offers the following information on lack of oil to the front rocker arms on GM Big Block Chevrolet engines.

Members have reported a lack of oil delivery to the front rockers after a rebuild. They noticed it when they pre-oiled the engine. Most of these engines built since the mid 70's have the lifter galley plugs drilled allowing any air to escape. The purpose of these holes is not for extra oiling of the timing chain assemblies even though that also occurs. The hole keeps a solid column of oil available for proper operation of the hydraulic lifters. Factory plugs have a .028" hole in them. These holes do not significantly affect oil pressure when minimal connecting rod and main bearing oil clearance are used. This is also taking in consideration that the original engine as assembled from GM had no wear in the lifter bore bosses.

Some members tried to use standard oil galley plugs that they have drilled with a .062" bit. When pre-lubing the engine it was noted only a limited amount of oil reached all the way up to the rockers. Removing that plug and installing a SOLID one in the hole increased the oil flow to acceptable limits.

Caution: It has been observed that a replacement distributor lower housing may be undersize and allow a larger amount of oil to escape between the housing and block, hole in block should measure 1.250" +/- .002".

If that condition exists, a reduced amount of oil may be noted to the rockers also. This is especially true on front locations of the right bank (further away from supply).

The AERA Technical Committee

Portions of materials contained herein have been reprinted with permission of General Motors Corporation, Service Operations. This information is provided from the best available sources. However, AERA does not assume responsibility for data accuracy or consequences of its application. Members and others are not authorized to reproduce or distribute this material in any form, or issue it to their branches, divisions, or subsidiaries, etc. at a different location, without written permission.

© Copyright AERA 2006



Reference:	
-------------------	--

TECHNICAL BULLETIN		Mfg:	GM
	May 2000 TB 1793	Model:	SUBURBAN
		Liter:	7.4L
		V I N:	J
		Year:	96-00

Portions of materials contained herein have been reprinted with permission of General Motors Corporation, Service Operations. This information is provided from the best available sources. However, AERA does not assume responsibility for data accuracy or consequences of its application. Members and others are not authorized to reproduce or distribute this material in any form, or issue it to their branches, divisions, or subsidiaries, etc. at a different location, without written permission.

© Copyright AERA 2006



Reference:	
-------------------	--