



PONTIAC SERVICE

News Flash



ATTN: SERVICE MANAGER

DATE 10/14/64

FILE REF. 6

NO. 64-108

SUBJECT: 1964 - 389 G.T.O. ENGINE REPAIRS

To ensure reliability of G.T.O. engines involved in heavy duty or high RPM service, all G.T.O. engine repairs should be handled as outlined below:

1. Anytime an engine repair occurs which requires disassembly of major internal components, such as main bearings, rod bearings, pistons or rings, it is requested that all new rod bearings and main bearings be installed except the rear main bearing. The new bearings will be Moraine 400 lower and Moraine 100 upper, packaged as outlined on the following page.

Replacement bearings should be fit to .0005" - .0020" on main bearings and .0009" - .0025" on rod bearings as measured by plastigage.

2. On disassembly of the engine, the oil pump should be removed and cleaned and a 544302 (MF) 50 lb. oil pressure regulator spring installed. All G.T.O. engines built after 5/23/64 or production engine No. 504235, will have the 50 p.s.i. oil pressure regulator spring; however, the new type bearings were not production installed.
3. While the heads are removed from the engine, disassemble all valves and replace all valve spring retainer cups with part No. 540833 (F). These are heat-treated cups which are hardened to withstand retainer wear. They are easily distinguished from the standard retainer cups as they are marked with red dye.
4. On reassembly of the heads to the block, install oil baffle 9777122 on the three center bolts of the right hand head. The baffle will prevent oil loss through the breather cap on the rocker cover. On all closed PCV systems (California type), the baffle should be installed under the left hand rocker cover. The baffle is part of service package 9777121 (F) which also contains a sealing dipstick.
5. Refill the engine with 30 WHD oil and one can of Engine Oil Supplement 3755788 to the proper oil level.

IMPORTANT THAT ALL DEALER SERVICE PERSONNEL READ. PLEASE INITIAL.

SERVICE MANAGER	PARTS MANAGER	SHOP FOREMAN	SERVICE SALESMEN	SERVICE CRAFTSMEN