

PONTIAC P&A EXTRA!



NO 63-16
May 8, 1963

ATTENTION: Dealer Parts Manager

421 and 421 H.O. Engine Repairs

Important changes have been made to a number of internal engine parts used on 421 and 421 H.O. engines. Following is the new part information:

<u>Old Part No.</u>	<u>Name</u>	<u>New Part No.</u>
	Piston and Pin Assy.	
9770976	Standard (4.091)	9772771
9770977	Standard (4.092)	9772772
9770978	Standard (4.093)	9772773
9771259	Oversize (.005)	9772767
9771260	Oversize (.010)	9772768
	Piston Ring Compression	
9771119	Upper (Std.)	9772729
*9771997 (Part OK)	Lower (Std.)	9771997
9771242	Upper (.005 O.S.)	9772730
*9771998 (Part OK)	Lower (.005 O.S.)	9771998
9771243	Upper (.010 O.S.)	9772731
*9771999 (Part OK)	Lower (.010 O.S.)	9771999
	Piston Ring Oil	
9771254	Standard	9772775
9771255	.005 O.S.	9772776
9771256	.010 O.S.	9772777
9771257	Piston Ring Set Pkg. (Std.)	9772774
	Bearings, Conn. Rod	
* 559564 (use on 389)	Standard	9772763
* 529654 (use on 389)	Undersize (.001)	9772764
* 559565 (use on 389)	Undersize (.002)	9772765
	Bearings, Crankshaft	
9770921	Frt.-Frt. Ctr.-Ctr. (Std.)	9772754
9770922	Frt.-Frt. Ctr.-Ctr. (.001 O.S.)	9772755
9770923	Frt.-Frt. Ctr.-Ctr. (.002 O.S.)	9772756
9770924	Rear Center (Std.)	9772757
9770925	Rear Center (.001 U.S.)	9772758
9770926	Rear Center (.002 U.S.)	9772759
9770927	Rear (Std.)	9772760
9770928	Rear (.001 U.S.)	9772761
9770929	Rear (.002 U.S.)	9772762

NOTE: An AFA should be submitted covering any stock of the obsolete parts other than those marked with an asterisk. Hold parts for scrapping by a zone service representative.

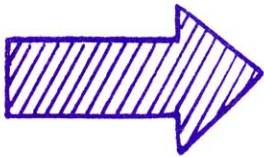
In addition to the above new parts the following parts have been modified but will be serviced under the old part number:

9770970 - Partial Engine Assy.
544956 - Connecting Rod
9770488 - Crankshaft

NOTE: Any parts stock on these three items should be returned for credit and reworking. Parts are to be listed on a PC-659, Application for Authorization to Return New Material, in three copies.

The #1 copy of the PC-659 Application is to be mailed immediately to the attention of Mr. W. J. LaRocca, Pontiac Motor Division, Factory Parts Warehouse, Plant #11, Pontiac, Michigan. The #2 copy should be enclosed as a packing slip and returned transportation charges prepaid to the same address as shown above. The prepaid transportation charges receipt is to be attached to the #1 copy of the PC-659 Application prior to mailing so that credit for this charge can be issued upon receipt of the material. The #3 copy is to be retained as a reference by the dealer.

Until further notice, orders for all of these parts are to be written separately from any other items on a PC-66 or PC-66A Order Form and are to be forwarded directly to the Pontiac Motor Division, Factory Parts Warehouse, Order Dept., Plant #11, Pontiac, Michigan. To ensure selection of the correct parts please state on each order:



1. Vehicle Identification Number
2. Engine Production Number
3. Engine Code
4. Mileage

Failure to include this information could result in delayed parts shipment.

Due to changes in engine construction, replacement of pistons and/or rings should not be attempted on 421 engines built prior to engine production number 405121. Secure zone authorization for replacement of partial engine assembly if replacement of these parts is indicated.

In case of failure of any rod or main bearing all rod and main bearings should be replaced with the new type. New bearings should be fitted to .0015" - .0025" clearance as measured with plastigage.

Each engine repair should include complete disassembly and cleaning of the oil pump and installation of a 534652 (F), 60 lb., oil pump pressure regulator spring. A 16 oz. can of engine oil supplement 3755788 (Z-CX) should also be installed in the engine at the completion of the repair. These parts will be added by Pontiac Motor Division to all parts orders on which they are not specified. A can of this supplement should also be added in place of a quart of oil at each subsequent oil change. The use of high quality 30 weight oil should be recommended. This is especially important for high rpm. operation.

Owners of these engines should be carefully instructed on following the break-in instructions as outlined on page 1 of the Pontiac Owner's Guide.

Any questions pertaining to the above should be directed to your zone office.