

222400 to 222499

SERVICE ENGINE  **SALES MANUAL**

**MODEL 222400 SERIES ENGINES REPLACED WITH
 STANDARD SERVICE ENGINES**

In most cases, the Original Type numbers shown may be replaced by a Service Type Number without making any changes. Necessary changes of engine parts such as crankshafts, reduction parts, blower housings, etc., are noted. Other differences, such as mufflers, elbows, deflectors, etc., are not listed but are very important for safety and engine performance. Be sure the exhaust system on the replacement engine duplicates the system originally selected by the equipment manufacturer. Parts that are suitable for additional use should be transferred. Before making any conversion, check the data shown in the column labeled "REMOVE, ADD and NOTE." See if the changes, which are shown, are actually necessary on the application in question. Often a standard service engine will be a WORKABLE replacement without converting to such things as a special fuel tank or starter position.

If the crankshaft number does not appear in the "Original Engine" column, consult the Illustrated Parts List for the correct service replacement crankshaft number.

Engine Replacement Notes:

Short Block Notes:

The SHORT BLOCK part number shown, is the assembly which can be used to rebuild the Original Type Number. If a letter appears after the short block number, it indicates the short block must be modified. The change denoted by each letter is as follows:

222400 to 222499

Original Engine			Make From		Remove		Add		Note	Change to Type	Trim	RPM	Short Block	
Type	Model	Crank	Model	Type #	Qty	Part #	Qty	Part #					Part #	Notes
0110	222412	399700	No Replacement Repair With Individual Parts.								01	3600		
0150	222416	399700	No Replacement Repair With Individual Parts.								01	3600		
											02	3600		
0151	222417	399700	No Replacement Repair With Individual Parts.								01	3800		
0516	222416	261954	No Replacement Repair With Individual Parts.								01	3600		
0517	222416	261954	No Replacement Repair With Individual Parts.								01	3600		
0601	222412	399700	No Replacement Repair With Individual Parts.								01	3600		
0630	222417	491640	No Replacement Repair With Individual Parts.								01	3800		
0631	222496	261497	No Replacement Repair With Individual Parts.								01	3500		
0632	222417	261497	No Replacement Repair With Individual Parts.								01	3800		
0633	222412	261954	No Replacement Repair With Individual Parts.								01	3800		
0634	222416	261954	No Replacement Repair With Individual Parts.								01	3800		
0648	222412	261954	No Replacement Repair With Individual Parts.								01	3300		
0649	222417	261954	No Replacement Repair With Individual Parts.								01	3300		
0651	222412	261954	No Replacement Repair With Individual Parts.								01	3300		
0654	222413	261954	No Replacement Repair With Individual Parts.								01	3300		
0658	222413	261954	No Replacement Repair With Individual Parts.								01	3300		
0706	222413	491640	No Replacement Repair With Individual Parts.								01	3300		
0707	222417	491640	No Replacement Repair With Individual Parts.								01	3300		
0720	222413	261954	No Replacement Repair With Individual Parts.								01	3300		
0721	222413	261954	No Replacement Repair With Individual Parts.								01	3300		
0722	222413	491640	No Replacement Repair With Individual Parts.								01	3800		
0723	222413	491640	No Replacement Repair With Individual Parts.								01	3800		
0724	222417	491640	No Replacement Repair With Individual Parts.								01	3800		
0725	222416	491640	No Replacement Repair With Individual Parts.								01	3800		