

**194700 to 194799****SERVICE ENGINE****SALES MANUAL****MODEL 194700 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:**

**NOTE 33:** If the replacement engine supersedes to or is a Model 210000 series engine, refer to the illustrations located after the conversion data for this model series. The overall dimensions which differ, are shown in the illustrations. If after making a visual inspection and it is determined the Model 210000 series engine cannot be used because of equipment interference, the original engine should be repaired with a short block and/or individual parts.

**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:

**194700 to 194799**

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
0113	194702	492450	No Replacement Repair With Individual Parts.									All	4000	
0114	194702	492450	215902	0020					33		All	2800		
0115	194707	492450	215907	0028					33		All	2800		
0116	194702	492453	215902	0020					33		All	3300		
0117	194707	492453	215907	0028					33		All	3300		
0118	194706	492450	No Replacement Repair With Individual Parts.									All	3600	
0119	194706	492450	No Replacement Repair With Individual Parts.									All	3600	
0120	194702	492450	215902	0020					33		All	3400		
0121	194702	492450	215702	0015					33		All	3500		
0122	194702	492450	215902	0020					33		All	3400		
0123	194702	492450	215902	0020					33		All	3400		
0124	194702	492450	215902	0020					33		All	3800		
0126	194707	495636	215907	0028					33		All	3300		
0127	194702	495636	215902	0020					33		All	3500		
0413	194702	492450	215902	0020					33		All	4000		
0423	194702	492450	215702	0015					33		All	3500		
0427	194702	492450	215702	0015					33		All	3500		
4004	194707	492450	No Replacement Repair With Individual Parts.									All	3600	
4015	194702	492450	215702	0015					33		All	3600		
4016	194702	492450	215902	0020					33		All	3600		
4017	194702	492450	215902	0020					33		All	3600		
4018	194702	492450	215902	0020					33		All	3400		
4019	194702	492451	No Replacement Repair With Individual Parts.									All	3300	
4025	194707	492450	215907	0028					33		All	3600		
4026	194707	492450	215907	0028					33		All	3600		
4028	194707	492451	No Replacement Repair With Individual Parts.									All	3500	
4515	194702	495636	215702	0015					33		All	3600		
4518	194702	495636	215902	0020					33		All	3600		
4519	194702	495638	No Replacement Repair With Individual Parts.									All	3300	

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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
4525	194707	495636	215907	0028					33		All	3600		
4526	194707	495636	215907	0028					33		All	3600		
4528	194707	495638	No Replacement Repair With Individual Parts.								All	3500		