

**99700 to 99799**

**SERVICE ENGINE**  **SALES MANUAL**

**MODEL 99700 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:

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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
0101	99772	494638	No Replacement Repair With Individual Parts.								All	3200		
0102	99772	494637	No Replacement Repair With Individual Parts.								All	3200		
0106	99777	494638	No Replacement Repair With Individual Parts.								All	3200		
0110	99772	494639	No Replacement Repair With Short Block and/or Individual Parts								All	3400	495239	
0111	99772	494649	No Replacement Repair With Short Block and/or Individual Parts								All	3200	495239	
0112	99772	494637	No Replacement Repair With Individual Parts.								All	3200		
0113	99772	494637	No Replacement Repair With Individual Parts.								All	3200		
0114	99772	494636	No Replacement Repair With Individual Parts.								All	3200		
0115	99772	494639	No Replacement Repair With Short Block and/or Individual Parts								All	3100	495239	
0116	99772	494637	No Replacement Repair With Individual Parts.								All	3000		
0117	99777	494637	No Replacement Repair With Individual Parts.								All	3000		
0118	99772	494635	No Replacement Repair With Short Block and/or Individual Parts								All	3200	495238	
0119	99772	494638	No Replacement Repair With Individual Parts.								All	3000		
0120	99772	494637	No Replacement Repair With Individual Parts.								All	2900		
0601	99772	495796	No Replacement Repair With Individual Parts.								All	3200		
0602	99772	494637	No Replacement Repair With Individual Parts.								All	3200		
0606	99777	494638	No Replacement Repair With Individual Parts.								All	3200		
0610	99772	494639	No Replacement Repair With Short Block and/or Individual Parts								All	3400	495239	
0611	99772	494639	No Replacement Repair With Short Block and/or Individual Parts								All	3200	495239	
0612	99772	494637	No Replacement Repair With Individual Parts.								All	3200		
0613	99772	495515	No Replacement Repair With Individual Parts.								All	3200		
0614	99772	494635	No Replacement Repair With Short Block and/or Individual Parts								All	3200	495238	
0615	99772	494639	No Replacement Repair With Short Block and/or Individual Parts								All	3100	495239	
0616	99772	495795	No Replacement Repair With Individual Parts.								All	3000		
0617	99777	494637	No Replacement Repair With Individual Parts.								All	3000		
0618	99772	494635	No Replacement Repair With Short Block and/or Individual Parts								All	3200	495238	
0619	99772	495796	No Replacement Repair With Individual Parts.								All	3000		
0620	99772	495795	No Replacement Repair With Individual Parts.								All	2900		
0621	99776	495796	No Replacement Repair With Individual Parts.								All	3200		
0622	99772	494635	No Replacement Repair With Short Block and/or Individual Parts								All	3000	495238	
0623	99772	495515	No Replacement Repair With Individual Parts.								All	3200		

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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
0624	99777	495792	No Replacement Repair With Short Block and/or Individual Parts						All	3200	495239			
0625	99772	494637	No Replacement Repair With Individual Parts.						All	3350				
0626	99772	495795	No Replacement Repair With Individual Parts.						All	3200				
0627	99772	495797	No Replacement Repair With Short Block and/or Individual Parts						All	3350	495239			
0628	99772	494637	No Replacement Repair With Individual Parts.						All	3350				
0629	99777	495795	No Replacement Repair With Individual Parts.						All	3200				
0630	99772	495795	No Replacement Repair With Individual Parts.						All	3200				
0631	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3000	495238			
0632	99777	495796	No Replacement Repair With Individual Parts.						All	3200				
0633	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	2900	495238			
0634	99772	495796	No Replacement Repair With Individual Parts.						All	3200				
0635	99772	495795	No Replacement Repair With Individual Parts.						All	3200				
0636	99772	495795	No Replacement Repair With Individual Parts.						All	3200				
0637	99772	495797	No Replacement Repair With Short Block and/or Individual Parts						All	3100	495239			
0638	99772	493725	No Replacement Repair With Individual Parts.						All	3000				
0801	99772	495796	No Replacement Repair With Individual Parts.						All	3200				
0812	99772	495795	No Replacement Repair With Individual Parts.						All	3600				
0814	99772	495796	No Replacement Repair With Individual Parts.						All	3200				
0815	99772	495795	No Replacement Repair With Individual Parts.						All	3200				
0816	99772	495796	No Replacement Repair With Individual Parts.						All	3200				
0824	99772	495794	No Replacement Repair With Individual Parts.						All	3200				
0825	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3200	495238			
0826	99772	495797	No Replacement Repair With Short Block and/or Individual Parts						All	3200	495239			
0911	99772	495797	No Replacement Repair With Short Block and/or Individual Parts						All	3200	495239			
0916	99777	495795	No Replacement Repair With Individual Parts.						All	2900				
0918	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3200	495238			
0920	99772	495795	No Replacement Repair With Individual Parts.						All	2900				
0925	99772	495795	No Replacement Repair With Individual Parts.						All	3350				
0926	99772	495797	No Replacement Repair With Short Block and/or Individual Parts						All	3000	495239			
0927	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3100	495238			
0932	99777	495796	No Replacement Repair With Individual Parts.						All	3200				
0933	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	2900	495238			
0934	99772	495796	No Replacement Repair With Individual Parts.						All	3200				
0935	99772	495795	No Replacement Repair With Individual Parts.						All	3200				
0936	99772	495795	No Replacement Repair With Individual Parts.						All	3200				
0937	99772	495797	No Replacement Repair With Short Block and/or Individual Parts						All	3100	495239			
0938	99772	493725	No Replacement Repair With Individual Parts.						All	3000				
0939	99772	495795	No Replacement Repair With Individual Parts.						All	3300				
0942	99772	495795	No Replacement Repair With Individual Parts.						All	3200				
0945	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3350	495238			
0950	99777	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3000	495238			
0951	99777	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3350	495238			
0953	99777	495973	No Replacement Repair With Short Block and/or Individual Parts						All	3350	495238			
3015	99772	494637	No Replacement Repair With Individual Parts.						All	3200				
3016	99772	494638	No Replacement Repair With Individual Parts.						All	3200				
3024	99772	494636	No Replacement Repair With Individual Parts.						All	3200				
3025	99772	494635	No Replacement Repair With Short Block and/or Individual Parts						All	3200	495238			
3026	99772	494639	No Replacement Repair With Short Block and/or Individual Parts						All	3200	495239			
3102	99772	494638	No Replacement Repair With Individual Parts.						All	3200				
3111	99772	494635	No Replacement Repair With Short Block and/or Individual Parts						All	3400	495238			
3112	99772	494638	No Replacement Repair With Individual Parts.						All	3100				
3113	99777	494638	No Replacement Repair With Individual Parts.						All	3100				
3114	99777	494636	No Replacement Repair With Individual Parts.						All	3200				
3115	99772	494637	No Replacement Repair With Individual Parts.						All	3000				
3116	99777	494637	No Replacement Repair With Individual Parts.						All	3000				
3117	99777	494635	No Replacement Repair With Short Block and/or Individual Parts						All	3400	495238			

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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
3118	99772	494635	No Replacement Repair With Short Block and/or Individual Parts						All	3400	495238			
3119	99772	494635	No Replacement Repair With Short Block and/or Individual Parts						All	3400	495238			
3120	99772	494637	No Replacement Repair With Individual Parts.						All	3000				
3141	99772	494636	No Replacement Repair With Individual Parts.						All	3200				
3142	99772	494636	No Replacement Repair With Individual Parts.						All	3200				
3143	99772	494637	No Replacement Repair With Individual Parts.						All	3100				
3144	99772	494638	No Replacement Repair With Individual Parts.						All	3100				
3515	99772	495795	No Replacement Repair With Individual Parts.						All	3200				
3516	99772	495796	No Replacement Repair With Individual Parts.						All	3200				
3524	99772	495794	No Replacement Repair With Individual Parts.						All	3200				
3525	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3200	495238			
3526	99772	495792	No Replacement Repair With Short Block and/or Individual Parts						All	3200	495239			
3601	99772	495796	No Replacement Repair With Individual Parts.						All	3200				
3602	99772	495792	No Replacement Repair With Short Block and/or Individual Parts						All	3200	495239			
3611	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3400	495238			
3612	99772	495796	No Replacement Repair With Individual Parts.						All	3100				
3613	99777	495796	No Replacement Repair With Individual Parts.						All	3100				
3614	99777	495794	No Replacement Repair With Individual Parts.						All	3200				
3615	99772	495795	No Replacement Repair With Individual Parts.						All	3000				
3616	99777	495795	No Replacement Repair With Individual Parts.						All	2900				
3617	99777	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3400	495238			
3618	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3400	495238			
3619	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3400	495238			
3620	99772	495795	No Replacement Repair With Individual Parts.						All	2900				
3621	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	2800	495238			
3622	99772	495795	No Replacement Repair With Individual Parts.						All	3100				
3623	99777	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3200	495238			
3624	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3350	495238			
3625	99772	495793	No Replacement Repair With Short Block and/or Individual Parts						All	3350	495238			
3641	99772	495794	No Replacement Repair With Individual Parts.						All	3200				
3642	99772	495795	No Replacement Repair With Individual Parts.						All	3200				
3643	99772	495795	No Replacement Repair With Individual Parts.						All	3100				
3644	99772	495796	No Replacement Repair With Individual Parts.						All	3100				
3650	99772	495796	No Replacement Repair With Individual Parts.						All	3200				