

220700 to 220799

SERVICE ENGINE



SALES MANUAL

**MODEL 220700 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:

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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
0111	220702	399698	217902	0020					33		01	3600		
0118	220707	399698	217907	0025					33		01	3600		
0119	220707	399698	217907	0028					33		01	3600		
0130	220707	399698	217907	0028					33		01	3600		
0131	220707	261505	No Replacement Repair With Short Block and/or Individual Parts								01	3100	396611	
0132	220707	399698	217907	0025					33		01	3200		
0133	220707	261505	No Replacement Repair With Short Block and/or Individual Parts								01	3300	396611	
0134	220707	261505	No Replacement Repair With Short Block and/or Individual Parts								01	3400	396611	
0135	220707	399698	217907	0025					33		01	3600		
0136	220707	399698	217907	0025					33		01	3500		
											02	3600		
0137	220707	399698	217907	0028					33		01	3400		
0138	220702	399698	217902	0020					33		01	3600		
0139	220707	261505	No Replacement Repair With Short Block and/or Individual Parts								01	3400	396611	
0140	220707	399698	217907	0025					33		01	3400		
0141	220707	261628	No Replacement Repair With Individual Parts.								01	3100		
0142	220707	261505	No Replacement Repair With Short Block and/or Individual Parts								01	3300	396611	
0143	220702	399698	217902	0020					33		01	3250		
0144	220707	399698	217907	0028					33		01	3250		
0145	220707	261505	No Replacement Repair With Short Block and/or Individual Parts								01	3400	396611	
0146	220706	399698	217907	0028					33		01	3600		
0147	220707	399698	No Replacement Repair With Individual Parts.								01	3400		
0148	220707	399698	217907	0025					33		01	3400		
0149	220707	399698	217907	0025					33		01	3200		
0150	220707	261505	No Replacement Repair With Short Block and/or Individual Parts								01	3300	396611	
0151	220707	399698	217907	0028					33		01	3300		
0161	220707	399698	217907	0025					33		01	3300		
0163	220705	261505	No Replacement Repair With Short Block and/or Individual Parts								01	3300	396611	
0164	220707	399698	217907	0025					33		01	3300		
0611	220702	491643	217902	0015					33		01	3600		

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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	
0618	220707	491643	217907	0025					33		01	3600			
0619	220707	491643	217907	0028					33		01	3600			
0630	220707	491643	217907	0028					33		01	3400			
0631	220707	491643	217907	0025					33		01	3600			
0632	220707	491643	217907	0025					33		01	3400			
0633	220707	491643	217907	0025					33		01	3400			
0634	220707	491638	No Replacement Repair With Individual Parts.									01	3100		
											02	3400			
0635	220707	491641	No Replacement Repair With Short Block and/or Individual Parts									01	3400	396611	
0636	220707	491643	217907	0028							01	3250			
0637	220707	491643	217907	0028					33		01	3300			
0638	220707	491643	217907	0025					33		01	3200			
0639	220707	491643	217907	0025					33		01	3200			
0640	220707	491643	217907	0025					33		01	3300			
0641	220707	491643	217907	0025					33		01	3300			
0642	220707	491643	217907	0025					33		01	3400			
0643	220707	491641	No Replacement Repair With Short Block and/or Individual Parts									01	3100	396611	
0644	220707	491643	217907	0025					33		01	3400			
0645	220707	491643	217907	0028					33		01	3500			
0646	220705	491641	No Replacement Repair With Short Block and/or Individual Parts									01	3300	396611	
0647	220707	491641	No Replacement Repair With Short Block and/or Individual Parts									01	3300	396611	
0648	220707	491643	217907	0025					33		01	3500			
0649	220707	491643	217907	0025					33		01	3400			
0650	220707	491643	217907	0025					33		01	3400			
0651	220707	491643	217907	0028					33		01	3400			
0652	220707	491641	No Replacement Repair With Short Block and/or Individual Parts									01	3300	396611	
0653	220707	491643	217907	0025					33		01	3100			
0654	220707	491643	217907	0025					33		01	3400			
0655	220707	491643	217907	0025					33		01	3200			
											01	3300			
0656	220707	491643	217907	0028					33		01	3600			
0657	220707	491643	217907	0025					33		01	2900			
0665	220707	491643	217907	0025					33						
0668	220707	491643	217907	0025					33		01	3300			
0669	220707	491643	217907	0028					33		01	3000			
0670	220707	491643	217907	0025					33		01	2850			