

231400 to 231499

SERVICE ENGINE



SALES MANUAL

**MODEL 231400 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
0010	231401	260761	No Replacement Repair With Individual Parts.						All	2900				
0020	231431	260760	No Replacement Repair With Individual Parts.						All	2900				
0021	231431	260761	No Replacement Repair With Individual Parts.						All	2900				
0022	231431	260804	No Replacement Repair With Individual Parts.						All	2900				
0023	231434	260761	No Replacement Repair With Individual Parts.						All	2900				
0024	231431	260776	No Replacement Repair With Individual Parts.						All	3600				
0025	231431	260761	No Replacement Repair With Individual Parts.						All	2900				
0030	231451	260764	No Replacement Repair With Individual Parts.						All	2900				
0040	231461	260765	No Replacement Repair With Individual Parts.						All	2900				
0110	231401	260761	No Replacement Repair With Individual Parts.						All	2900				
0112	231431	260760	No Replacement Repair With Individual Parts.						All	2900				
0113	231431	260761	No Replacement Repair With Individual Parts.						All	2900				
0114	231431	260762	No Replacement Repair With Individual Parts.						All	2900				
0115	231431	260763	No Replacement Repair With Individual Parts.						All	2900				
0116	231451	260764	No Replacement Repair With Individual Parts.						All	2900				
0120	231431	260761	No Replacement Repair With Individual Parts.						All	2900				
0122	231431	260776	No Replacement Repair With Individual Parts.						All	2900				
0123	231401	260761	No Replacement Repair With Individual Parts.						All	2650				
0124	231431	260762	No Replacement Repair With Individual Parts.						All	2900				
0125	231431	260761	No Replacement Repair With Individual Parts.						All	2900				
0126	231451	260764	No Replacement Repair With Individual Parts.						All	2900				
0127	231431	260761	No Replacement Repair With Individual Parts.						All	2900				
0128	231451	260764	No Replacement Repair With Individual Parts.						All	2900				
0129	231431	260761	No Replacement Repair With Individual Parts.						All	2900				
0130	231404	260761	No Replacement Repair With Individual Parts.						All	2650				
0131	231401	260761	No Replacement Repair With Individual Parts.						All	2650				
0132	231431	260763	No Replacement Repair With Individual Parts.						All	3200				
0133	231434	260777	No Replacement Repair With Individual Parts.						All	3000				
0134	231431	260761	No Replacement Repair With Individual Parts.						All	3700				
0135	231431	260778	No Replacement Repair With Individual Parts.						All	3600				
0136	231431	260777	No Replacement Repair With Individual Parts.						All	2900				

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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	
0137	231431	260761	No Replacement Repair With Individual Parts.									All	2200		
0138	231431	260762	No Replacement Repair With Individual Parts.									All	2900		
0139	231431	260761	No Replacement Repair With Individual Parts.									All	2900		
0140	231431	260761	No Replacement Repair With Individual Parts.									All	2900		
0141	231451	260764	No Replacement Repair With Individual Parts.									All	2900		
0142	231411	260807	No Replacement Repair With Individual Parts.									All	2000		
0143	231431	260761	No Replacement Repair With Individual Parts.									All	3000		
0144	231431	260761	No Replacement Repair With Individual Parts.									All	2900		
0145	231434	260761	No Replacement Repair With Individual Parts.									All	2900		
0146	231401	260761	No Replacement Repair With Individual Parts.									All	2900		
0147	231431	260761	No Replacement Repair With Individual Parts.									All	2900		
0148	231431	260763	No Replacement Repair With Individual Parts.									All	2900		
0149	231431	260762	No Replacement Repair With Individual Parts.									All	2900		
0150	231431	260761	No Replacement Repair With Individual Parts.									All	2900		
0151	231454	260764	No Replacement Repair With Individual Parts.									All	2900		
0152	231431	260761	No Replacement Repair With Individual Parts.									All	2900		
0153	231401	260761	No Replacement Repair With Individual Parts.									All	2900		
0154	231431	260777	No Replacement Repair With Individual Parts.									All	2900		
0155	231431	260760	No Replacement Repair With Individual Parts.									All	2900		
0156	231431	260761	No Replacement Repair With Individual Parts.									All	2900		
0157	231451	260764	No Replacement Repair With Individual Parts.									All	2900		
0159	231431	260804	No Replacement Repair With Individual Parts.									All	2900		
0160	231431	260761	No Replacement Repair With Individual Parts.									All	2900		
0161	231404	260761	No Replacement Repair With Individual Parts.									All	2900		
0162	231431	260761	No Replacement Repair With Individual Parts.									All	2900		
0163	231451	260764	No Replacement Repair With Individual Parts.									All	2900		
0164	231431	260761	No Replacement Repair With Individual Parts.									All	2900		
0165	231431	260760	No Replacement Repair With Individual Parts.									All	3450		
0166	231451	260764	No Replacement Repair With Individual Parts.									All	2900		
0167	231431	260761	No Replacement Repair With Individual Parts.									All	2900		
0168	231461	260765	No Replacement Repair With Individual Parts.									All	2900		
0169	231451	260764	No Replacement Repair With Individual Parts.									All	2400		
0170	231401	260781	No Replacement Repair With Individual Parts.									All	2900		
0171	231404	260761	No Replacement Repair With Individual Parts.									All	2900		
0172	231451	260764	No Replacement Repair With Individual Parts.									All	2900		
0173	231451	260764	No Replacement Repair With Individual Parts.									All	2900		
0174	231431	260763	No Replacement Repair With Individual Parts.									All	3800		
0175	231431	260760	No Replacement Repair With Individual Parts.									All	2900		
0176	231454	260764	No Replacement Repair With Individual Parts.									All	3300		
0177	231401	260761	No Replacement Repair With Individual Parts.									All	2900		
0178	231431	260778	No Replacement Repair With Individual Parts.									All	2900		
0179	231431	260510	No Replacement Repair With Individual Parts.									All	3600		
0180	231451	260764	No Replacement Repair With Individual Parts.									All	2900		
0181	231451	260764	No Replacement Repair With Individual Parts.									All	2900		
0182	231401	260761	No Replacement Repair With Individual Parts.									All	2900		
0183	231431	260761	No Replacement Repair With Individual Parts.									All	2900		
0185	231431	260761	No Replacement Repair With Individual Parts.									All	2900		