

250400 to 250499

SERVICE ENGINE



SALES MANUAL

**MODEL 250400 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 6:** Drill and Retap end of Crankshaft 7/16"-20 (1" Deep). Use 25/64" Tap Drill.
- NOTE 15:** For all Go-Karts use only a Model 136200 series engine as a replacement, regardless of the original Model.
- NOTE 30:** If the replacement engine supersedes to or is a Model 200000 series engine, refer to the illustrations located after the conversion data for this model series. To make the crankshaft center line the same add 695154 spacer kit, other overall dimensions which differ, are shown in the illustrations. If after making a visual inspection and it is determined the Model 200000 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:

- NOTE G:** Drill and re-tap end of Crankshaft 7/16"-20 (1-1/8" deep). Use 25/64" tap drill.

250400 to 250499

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	250417	491644	205437	0041					15 30		01	3600		
0113	250416	491645	No Replacement Repair With Individual Parts.						15		01	3800	499544	
0114	250416	491645	No Replacement Repair With Individual Parts.						15		01	3800	499544	
0115	250412	399723	205432	0036					6 15 30		01	4000		
0116	250412	399728	205432	0038					15 30		01	3750	499544	
0170	250412	491645	No Replacement Repair With Individual Parts.						15		01	3150	499544	
0171	250412	399728	No Replacement Repair With Individual Parts.						15		01	3750	499544	
0172	250417	399728	No Replacement Repair With Individual Parts.						15		01	3800	499545	
0501	250412	399728	No Replacement Repair With Individual Parts.						15		01	3600		
0503	250417	491645	No Replacement Repair With Individual Parts.						15		01	3800	499545	
0507	250417	491645	No Replacement Repair With Individual Parts.						15		01	3800	499544	
0508	250417	491644	No Replacement Repair With Individual Parts.						15		01	3600		
0515	250412	399723	No Replacement Repair With Individual Parts.						15		01	4000		
0516	250412	491642	No Replacement Repair With Individual Parts.						15		01	3150		
0526	250417	491644	205437	0041					15		01	3600		
0571	250412	491642	No Replacement Repair With Individual Parts.						15		01	3750		
1003	250417	491645	No Replacement Repair With Individual Parts.						15		E1	3800	499545	
1015	250412	399723	205432	0036					6 15		E1	4000	499545	G
1026	250417	491644	205437	0041					15 30		E1	3600		
1071	250412	491642	No Replacement Repair With Individual Parts.						15		E1	3750		
1117	250417	491645	No Replacement Repair With Individual Parts.						15		All	3800	499545	

250400 to 250499

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
1118	250412	491645	205432	0038					15 30		All	3750	499545	
1135	250417	491645	No Replacement Repair With Individual Parts.						15		E1	3800	499545	
1136	250412	399723	205432	0036					15 30		E1	3600		
1167	250417	399725	205437	0041					15 30		E1	3600		
1171	250412	399728	205432	0038					15		All	3750	499544	
1172	250417	491645	No Replacement Repair With Individual Parts.						15		E1	3800	499545	
1173	250417	491644	205437	0041					15 30		All	3600		