

256400 to 256499

SERVICE ENGINE



SALES MANUAL

**MODEL 256400 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.

256400 to 256499

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
0004	256422	491645	No Replacement		Repair With Individual Parts.				15		01	3800	499544	
											02	3150		
											03	3800		
0006	256427	491645	No Replacement		Repair With Individual Parts.				15		01	3800	499544	
											02	3150		
0007	256427	491645	No Replacement		Repair With Individual Parts.				15		01	3800	499544	
											02	3150		
											03	3800		
0008	256427	491645	No Replacement		Repair With Individual Parts.				15		01	3150	499544	
0012	256427	491644	205437	0041					15		01	4000		
									30					
0015	256422	491644	205432	0036					15		All	3600		
									30					
0025	256427	491644	No Replacement		Repair With Individual Parts.				15		All	3600		
0026	256422	491645	205432	0038					15		01	3600	499544	
									30		02	3150		
0027	256427	491644	No Replacement		Repair With Individual Parts.				15		All	3600		
0028	256427	491644	205437	0041					15		All	3600		
									30					
0049	256452	693634	205452	0049					15		All	3600		
									30					
0070	256422	491645	205432	0038					15		01	3800	499544	
									30		02	3150		
											03	3800		
											04	3150		
0111	256412	491645	205432	0038					15		All	3750	499544	
									30					

256400 to 256499

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
0112	256417	491644	205437	0041					15 30		All	3600		
0113	256417	491645	No Replacement Repair With Individual Parts.						15		All	3750	499544	
0114	256427	491645	No Replacement Repair With Individual Parts.						15		All	3800	499544	
0115	256427	491644	No Replacement Repair With Individual Parts.						15		All	3400		
0116	256422	491645	No Replacement Repair With Individual Parts.						15		All	3150	499544	
0117	256427	491645	No Replacement Repair With Individual Parts.						15		All	3750	499544	
0118	256422	491644	205432	0036					15 30		All	3700		
0119	256422	491645	205432	0038					15 30		All	3150	499544	
0120	256422	491645	205432	0038					15 30		All	3150	499544	
0121	256426	497130	No Replacement Repair With Individual Parts.						15		All	3300		
0124	256422	491645	205432	0038					15		All	3150	499544	
0125	256422	399723	205432	0036					6 15 30		All	4000		
0127	256412	491645	No Replacement Repair With Individual Parts.						15		All	3750	499544	
0128	256422	491645	205432	0038					15 30		All	3150	499544	
0129	256422	491645	205432	0038					15 30		All	3150	499544	
0130	256426	399723	No Replacement Repair With Individual Parts.						15		All	3600		
0131	256422	491635	No Replacement Repair With Individual Parts.						15		All	3600		
0132	256412	491645	No Replacement Repair With Individual Parts.						15		All	3750	499545	
0133	256417	491645	No Replacement Repair With Individual Parts.						15		All	3750	499545	
0134	256417	491645	No Replacement Repair With Individual Parts.						15		All	3750	499545	
0135	256422	491642	No Replacement Repair With Individual Parts.						15		All	3800		
0136	256422	491645	No Replacement Repair With Individual Parts.						15		All	3800	499545	
0137	256422	491645	No Replacement Repair With Individual Parts.						15		All	3800	499545	
0139	256427	491644	205437	0041					15 30		All	3600		
0140	256427	491644	205437	0041					15 30		All	3600		
0143	256422	491635	No Replacement Repair With Individual Parts.						15		All	3600		
0153	256412	491645	No Replacement Repair With Individual Parts.						15		All	3750	499545	
0154	256422	491645	205432	0038					15 30		All	3150	499544	
0155	256422	491645	205432	0036					15 30		All	4000		
0156	256427	491644	No Replacement Repair With Individual Parts.						15		All	3600		
0157	256427	491645	No Replacement Repair With Individual Parts.						15		All	3800	499545	
0158	256412	491645	No Replacement Repair With Individual Parts.						15		All	3750	499645	
0171	256422	491645	No Replacement Repair With Individual Parts.						15		All	3150	499544	
0172	256427	491645	No Replacement Repair With Individual Parts.						15		All	3750	499544	
0173	256422	491644	205432	0036					15 30		All	4000		
0504	256422	491645	No Replacement Repair With Individual Parts.						15		All	3800	499544	
0506	256427	491645	No Replacement Repair With Individual Parts.						15		All	3800	499544	
0507	256427	491645	No Replacement Repair With Individual Parts.						15		All	3800	499544	
0512	256427	491644	205437	0041					15 30		All	4000		
0515	256422	491644	205432	0036					15 30		All	3600		
0525	256427	491644	No Replacement Repair With Individual Parts.						15		All	3600		

256400 to 256499

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
0527	256427	491644	205437	0041					15 30		All	3600		
0528	256427	491644	205437	0041					15 30		All	3600		
0570	256422	491645	205432	0038					15 30		All	3750	499544	
0571	256427	491644	205437	0041					15 30		All	3600		
0625	256422	399723	205432	0036					6 15 30		All	4000		
0632	256412	491645	No Replacement Repair With Individual Parts.						15		All	3750	499545	
0634	256417	491645	No Replacement Repair With Individual Parts.						15		All	3750	499545	
0635	256422	491642	No Replacement Repair With Individual Parts.						15		All	3800		
0640	256427	491644	205437	0041					15 30		All	3600		
0653	256412	491645	No Replacement Repair With Individual Parts.						15		All	3750	499545	
0655	256422	491644	205432	0036					15 30		All	4000		
0660	256412	399723	205432	0036					6 15 30		All	4000		
0661	256422	399723	205432	0036					6 15 30		All	3800		
0695	256422	399723	205432	0036					6 15 30		All	4000		
0696	256422	491644	205432	0036					15 30		All	4000		
1006	256427	491645	No Replacement Repair With Individual Parts.						15		All	3150	499544	
1007	256427	491645	No Replacement Repair With Individual Parts.						15		All	3800	499544	
1008	256427	491645	No Replacement Repair With Individual Parts.						15		All	3150	499544	
1012	256427	491644	205437	0041					15 30		All	4000		
1015	256422	491644	205432	0036					15 30		All	3600		
1020	256427	491644	205437	0041					15 30		All	3600		
1025	256427	491644	No Replacement Repair With Individual Parts.						15		All	3600		
1026	256422	491645	254422	1070					15 30		All	3150	499544	
1027	256427	491644	No Replacement Repair With Individual Parts.						15		All	3600		
1028	256427	491644	205437	0041					15 30		All	3600		
1029	256427	491644	205437	0041					15 30		All	3600		
1049	256452	693634	205452	0049					15 30		All	3600		
1050	256457	693634	No Replacement Repair With Individual Parts.						15		All	3600		
1070	256422	491645	205432	0038					15 30		All	3800	499544	
1072	256427	491635	No Replacement Repair With Individual Parts.						15		All	3800		
1105	256422	491645	No Replacement Repair With Individual Parts.						15		All	3800	499544	
1121	256426	497130	No Replacement Repair With Individual Parts.						15		All	3300		
1129	256422	491645	205432	0038					15 30		All	3150	499544	
1130	256426	491644	No Replacement Repair With Individual Parts.						15		All	3600		

256400 to 256499

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
1132	256412	491645	No Replacement Repair With Individual Parts.						15		All	3800	499545	
1133	256417	491645	No Replacement Repair With Individual Parts.						15		All	3800	499545	
1134	256417	491645	No Replacement Repair With Individual Parts.						15		All	3800	499545	
1135	256422	491642	No Replacement Repair With Individual Parts.						15		All	3800		
1136	256422	491645	No Replacement Repair With Individual Parts.						15		All	3800	499545	
1137	256422	491635	No Replacement Repair With Individual Parts.						15		All	3600		
1138	256422	399723	205432	0036					6 15 30		All	3600		G
1139	256427	498991	No Replacement Repair With Individual Parts.						15		All	3800		
1140	256427	491644	205437	0041					15 30		All	3600		
1143	256422	491635	No Replacement Repair With Individual Parts.						15		All	3600		
1153	256412	491645	No Replacement Repair With Individual Parts.						15		All	3800	499545	
1154	256422	491645	205432	0038					15 30		All	3150	499544	
1156	256427	491644	No Replacement Repair With Individual Parts.						15		All	3600		
1158	256427	491645	No Replacement Repair With Individual Parts.						15		All	3800	499544	
1161	256422	399723	205432	0036					6 15 30		All	3800		
1162	256427	491642	No Replacement Repair With Individual Parts.						15		All	3750		
1174	256422	497428	No Replacement Repair With Individual Parts.						15		All	4000		
1175	256427	491645	No Replacement Repair With Individual Parts.						15		All	3800	499544	
1176	256422	491644	205432	0036					15 30		All	3600		
1177	256427	491645	No Replacement Repair With Individual Parts.						15		All	3750	499545	
1178	256412	491645	No Replacement Repair With Individual Parts.						15		All	3800	499545	
1195	256422	399723	205432	0036					6 15 30		All	3800		
1196	256422	491635	No Replacement Repair With Individual Parts.						15		All	3800		
1197	256422	399723	205432	0036					6 15 30		All	3800		
1198	256427	491645	No Replacement Repair With Individual Parts.						15		All	3150	499545	
1199	256422	491635	No Replacement Repair With Individual Parts.						15		All	3600		
1200	256427	491635	No Replacement Repair With Individual Parts.						15		All	3800		
1201	256427	491645	No Replacement Repair With Individual Parts.						15		All	3800	499544	
1202	256452	693694	205452	0049					15 30		All	3800		
1203	256422	491645	205432	0038					15 30		All	3800	499544	
1204	256427	491645	No Replacement Repair With Individual Parts.						15		All	3150	499545	
1205	256422	694535	No Replacement Repair With Individual Parts.						15		All	3200		
1206	256427	491645	No Replacement Repair With Individual Parts.						15		All	3150	499545	
1210	256422	399723	205432	0036					15 30		All	3600		
1211	256427	491645	No Replacement Repair With Individual Parts.						15		All	3750	499544	