

171400 to 171499**SERVICE ENGINE****SALES MANUAL****MODEL 171400 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 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.

NOTE 41: Original engine was equipped for or with a 12 volt or 120 volt Gear Drive Starter and/or with alternator only. Transfer all related parts as required.

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
0035	171432	399513	201432	0036					15 30		All	3600		
0047	171432	397322	202432	0035					15 30		All	3600	398294	
0049	171452	492468	202432	0049					15 30		All	3600		
0070	171432	493291	No Replacement Repair With Individual Parts.						15		All	3750	398292	
0117	171432	399513	201432	0036					15 30		01	3600		
0118	171431	399513	201432	0036					15 30		All	3600		
0119	171432	397322	202432	0035					15 30		All	3600	398294	
0121	171452	492468	202452	0049					15 30		All	3600		
0123	171437	399513	203432	0041					15 30		All	3600		
0130	171431	399513	201432	0036					15 30		All	3600		
0131	171432	399513	201432	0036					15 30		All	3600		
0235	171432	399513	201432	0036					15 30		All	3600		
0247	171432	397322	202432	0035					15 30		All	3600	398294	
0249	171452	492468	202452	0049					15 30		All	3600		
0270	171432	493291	No Replacement Repair With Individual Parts.						15		All	3750	398292	

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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
0300	171432	399513	201432	0036					15 30		All	3600		
0301	171432	399513	201432	0036					15 30		All	3600		
0302	171432	397322	202432	0035					15 30		All	3600	398294	
0303	171452	492468	202452	0049					15 30		All	3600		
0304	171437	399513	203437	0041					15 30		All	3600		
0305	171457	492468	No Replacement Repair With Individual Parts.						15		All	3600		
0306	171432	399513	201432	0036					15 30		All	3600		
0307	171432	399513	201432	0036					15 30		All	3600		
0308	171432	399513	201432	0036					15 30		All	3600		
0435	171432	399513	201432	0036					15 30		All	3600		
0436	171432	399513	201432	0036					15 30		All	3600		
0447	171432	397322	202432	0035					15 30		All	3600	398294	
0449	171452	492468	202452	0049					15 30		All	3600		
0450	171452	492468	202452	0049					15 30		All	3600		
0470	171432	493291	No Replacement Repair With Individual Parts.						15		All	3750	398292	
0471	171432	493291	No Replacement Repair With Individual Parts.						15		All	3750	398292	
0500	171432	399513	201432	0036					15 30		All	3600		
0501	171431	399513	201432	0036					15 30		All	3600		
0502	171432	397322	202432	0035					15 30		All	3600	398294	
0503	171452	492468	202452	0049					15 30		All	3600		
0504	171437	399513	203437	0041					15 30		All	3600		
0505	171457	492468	No Replacement Repair With Individual Parts.						15		All	3600		
0520	171432	399513	201432	0036					15 30		All	3600		
0521	171432	399513	No Replacement Repair With Individual Parts.						15		All	3600		
0522	171432	399513	201432	0036					15 30		All	3600		
0523	171431	397322	202432	0035					15 30		All	3600	398294	
0524	171431	399513	201432	0036					15 30		All	3600		
0525	171432	493291	No Replacement Repair With Individual Parts.						15		All	3800	398292	
0526	171431	397322	202432	0035					15 30		All	3600	398294	
0527	171432	399513	202432	0036					15 30		All	3600		
0528	171431	397322	202432	0035					15 30		All	3600	398294	
0529	171432	492478	202432	0063					15 30		All	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
0530	171437	492478	202437	0033					15 30		All	3600		
0531	171452	492468	202452	0049					15 30		All	3200		
0532	171437	493291	No Replacement Repair With Individual Parts.						15		All	3800	398292	
0533	171432	399513	201432	0036					15 30		All	3150		
0534	171432	492478	202432	0063					15 30		All	3600		
0535	171437	492478	202437	0033					15 30		All	3600		
1035	171432	495733	201432	0036					15 30		01	3600		
1049	171452	495723	202452	0049					15 30		All	3600		
1070	171432	495791	No Replacement Repair With Individual Parts.						15		All	3750	398292	
1090	171432	495733	201432	0036					15 30		All	3600		
1105	171432	495791	No Replacement Repair With Individual Parts.						15		All	3800	398292	
1111	171432	495775	202432	0063					15 30		All	3600		
1112	171437	495775	202437	0033					15 30		All	3600		
1121	171432	495733	201432	0036					15 30		All	3600		
1123	171432	495733	201432	0036					15 30		All	3600		
1124	171432	495775	202432	0063					15 30		All	3600		
1125	171437	495775	202437	0033					15 30		All	3600		
1130	171437	495733	203437	0041					15 30		All	3600		
1131	171437	495733	203437	0041					15 30		All	3600		
4001	171432	397322	202432	0035					15 30		All	3600	398294	
4035	171432	399513	201432	0036					15 30		All	3600		
4049	171452	492468	202452	0049					15 30		All	3600		
4070	171432	493291	No Replacement Repair With Individual Parts.						15		All	3800	398292	
4090	171432	399513	201432	0036					15 30		All	3600		
4091	171432	397322	202432	0035					15 30		01	3600	398294	