

**161400 to 161499**

**SERVICE ENGINE**



**SALES MANUAL**

**MODEL 161400 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 48:** Remove Fuel Tank Assembly from replacement engine.

**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:

**161400 to 161499**

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	161432	262459	206432	0035					15 30		All	3600		
0011	161432	262591	No Replacement Repair With Individual Parts.						15		01 02 03 04 05	3600 3600 3200 3200 3600		
0012	161437	262591	No Replacement Repair With Individual Parts.						15		All	3600		
0014	161432	262591	No Replacement Repair With Individual Parts.						15		All	3600		
0015	161452	262507	206452	0049					15 30		All	3600		
0016	161432	262458	No Replacement Repair With Individual Parts.						15		01 02 03 04	3750 3750 3150 3150		
0018	161437	262458	No Replacement Repair With Individual Parts.						15		All	3750		
0019	161437	262458	No Replacement Repair With Individual Parts.						15		01 02 03 04 05 06	3150 3150 3750 3750 3750 3150		
0020	161432	262591	No Replacement Repair With Individual Parts.						15		All	3800		
0021	161432	262591	No Replacement Repair With Individual Parts.						15		All	3600		
0022	161452	262507	206452	0049					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
0023	161432	262429	206432	0036					15 30		01 02 03 04	3600 3600 3200 3600		
0024	161432	262429	206432	0036					15 30		All	3800		
0025	161437	262429	206437	0041					15 30		All	3600		
0026	161432	262591	No Replacement Repair With Individual Parts.						15		All	2900		
0027	161436	262591	No Replacement Repair With Individual Parts.						15		01	3600		
0029	161432	262591	No Replacement Repair With Individual Parts.						15		All	3600		
0030	161432	262591	No Replacement Repair With Individual Parts.						15		01	3200		
0031	161432	262429	206432	0036					15 30		01	3600		
0032	161432	262591	No Replacement Repair With Individual Parts.						15		01	4000		
0034	161432	262591	No Replacement Repair With Individual Parts.						15		All	3600		
0035	161432	262591	No Replacement Repair With Individual Parts.						15		All	3600		
0036	161432	262591	No Replacement Repair With Individual Parts.						15		All	3600		
0039	161437	262458	No Replacement Repair With Individual Parts.						15		01	3150		
0040	161437	262591	No Replacement Repair With Individual Parts.						15		All	3600		
0041	161437	262591	No Replacement Repair With Individual Parts.						15		All	3600		
0042	161437	262591	205437	0041					15 30		01	3600		
0043	161437	262591	205437	0041					15 30		01	3600		
0047	161432	262459	206432	0035					15 30		All	3600		
0049	161452	262507	206452	0049					15 30		All	3600		
0050	161457	262507	No Replacement Repair With Individual Parts.						15		All	3600		
0051	161452	262507	No Replacement Repair With Individual Parts.						15		All	3600		
0070	161432	262458	No Replacement Repair With Individual Parts.						15		01 03 05 06 07	3750 3150 3150 3750 3150		
0071	161432	262458	No Replacement Repair With Individual Parts.						15		01	3750		
0072	161432	262458	No Replacement Repair With Individual Parts.						15		01	3750		
0073	161437	262458	No Replacement Repair With Individual Parts.						15		01	3150		
0077	161432	262458	No Replacement Repair With Individual Parts.						15		01	3750		
0079	161432	262458	No Replacement Repair With Individual Parts.						15		All	3750		
0080	161432	262591	No Replacement Repair With Individual Parts.						15		01	2400		
0081	161437	262458	No Replacement Repair With Individual Parts.						15		01	3750		
0082	161437	262458	No Replacement Repair With Individual Parts.						15		01	3750		
0083	161437	262458	No Replacement Repair With Individual Parts.						15		01	3750		
0084	161437	262429	206437	0041					15 30 48		01	3750		
0085	161437	262429	No Replacement Repair With Individual Parts.						15		01	3750		
0090	161437	262591	205437	0041					15 30		01	3600		
0110	161437	262591	No Replacement Repair With Individual Parts.						15		01	3600		
0111	161432	262429	206432	0036					15 30		01	4000		
0112	161436	262458	No Replacement Repair With Individual Parts.						15		01	3750		
0113	161432	262429	206432	0036					15 30		01	3200		

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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
0114	161432	262591	205432	0036					15 30		01	3800		
0115	161432	262591	205432	0036					15 30		01	3600		
0116	161436	262429	No Replacement Repair With Individual Parts.						15		01	3600		
0117	161436	262458	No Replacement Repair With Individual Parts.						15		01	3750		
0118	161432	262591	205432	0036					15 30		01	3500		
0119	161432	262591	205432	0036					15 30		01	3150		
0120	161436	262458	No Replacement Repair With Individual Parts.						15		01	3750		
0121	161432	262591	205432	0036					15 30		01	3250		
0122	161432	262429	206432	0036					15 30 48		01	3750		
0123	161437	262591	205437	0041					15 30		All	3600		
0124	161432	262458	No Replacement Repair With Individual Parts.						15		01	3750		
0125	161432	262591	No Replacement Repair With Individual Parts.								01	2400		
0126	161432	262591	205432	0036					15 30		01	3600		
0127	161432	262591	205432	0036					15 30 48		01	3600		
0128	161432	262429	206432	0036					15 30 48		01	3800		
0129	161437	262591	205437	0041					15 30		01	3600		
0130	161437	262591	205437	0041					15 30		01	3600		
0131	161436	262429	No Replacement Repair With Individual Parts.						15		01	3600		
0132	161437	262591	205437	0041					15 30		01	3600		
0133	161432	262429	206432	0036					15 30		01	4000		
0134	161432	262458	No Replacement Repair With Individual Parts.						15		01	3150		
0135	161432	262591	205432	0036					15 30		01	4000		
0136	161437	262458	No Replacement Repair With Individual Parts.						15		01	3750		
0137	161437	262458	No Replacement Repair With Individual Parts.						15					
0199	161430	262591	No Replacement Repair With Individual Parts.						15					

# MODEL 161400

# MODEL 200000

