

144400 to 144499**SERVICE ENGINE****SALES MANUAL****MODEL 144400 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 17: Gear Red. @ 3 o'clock.

NOTE 21: If the Gear Reduction parts are suitable for additional service, use Model 196412 Type No. 1024.

NOTE 113: Gear Red. @ 6 o'clock.

NOTE 116: If necessary, to make the original engine crankshaft center line the same add 695154 spacer kit.

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
0015	144402	260607	202432	0036					15 116		All	3600		
0035	144432	260425	201432	0036					15 116		All	3600		
0049	144452	260389	202452	0049					15 116		All	3600		
0110	144401	260607	202432	0036					15 116		All	3600		
0111	144402	260607	202432	0036					15 116		All	3600		
0115	144431	260358	No Replacement Repair With Individual Parts.						15		All	3600		
0116	144432	260358	No Replacement Repair With Individual Parts.						15		All	3600		
0120	144451	260389	202452	0049					15 116		All	3600		
0121	144452	260389	202452	0049					15 116		All	3600		
0130	144431	260425	201432	0036					15 116		All	3600		
0131	144402	260607	202432	0036					15 116		All	4000		
0132	144432	260425	201432	0036					15 116		All	4000		
0133	144431	260425	No Replacement Repair With Individual Parts.						15		All	4000		
0134	144432	260425	201432	0036					15 116		All	3600		
0135	144402	260472	No Replacement Repair With Individual Parts.						15					

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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
0136	144451	260389	202452	0049					15 17 116		All	3200		
0137	144451	260389	202452	0049					15 113 116		All	3450		
0138	144401	260607	202432	0036					15 116		All	4000		
0139	144451	260389	202452	0049					15 116		All	4000		
0140	144452	260389	202452	0049					15 116		All	4000		
0141	144431	260865	201432	0036					15 116		All	3200		
0143	144402	260472	No Replacement Repair With Individual Parts.						15		All	2500		
0144	144452	260389	202452	0049					15 116		All	3000		
0146	144402	260607	202432	0036					15 116		All	3600		
0147	144411	260729	No Replacement Repair With Individual Parts.						15		All	2900		
0148	144432	260425	No Replacement Repair With Individual Parts.						15		All	3600		
0149	144402	260607	202432	0036					15 116		All	2200		
0150	144402	260607	202432	0036					15 116		All	4000		
0151	144402	260607	202432	0036					15 116		All	4000		