

**94000 to 94099**

**SERVICE ENGINE**



**SALES MANUAL**

**MODEL 94000 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 63:** Transfer Rewind Assembly from original engine to replacement engine.
- NOTE 73:** Transfer Flywheel Assembly to the replacement engine.
- NOTE 81:** Transfer Governor Spring to replacement engine.
- NOTE 88:** Transfer Muffler and/or Spark Arrester Assembly from the original engine if suitable for additional service or add new parts as required
- NOTE 101:** Transfer the Extended Oil Fill Tube and Dipstick Assembly to the 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:

- NOTE R:** Cut off 1-7/16" on Flywheel end of Crankshaft.

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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	94032	690821	STD.						15		All	3300	497652	R
0036	94032	492095	STD.						15		All	4000	497653	R
0038	94032	692145	STD.						15		All	3800		
0040	94032	497232	STD.						15		All	3300	497654	R
0049	94052	493599	STD.						15		All	3300	497655	R
0109	94002	691474	94032	0035	1	690821	1	691474	15		All	3600		
									73					
									81					
									88					
0110	94032	497232	94032	0040	1	691640	1	690361	15		All	3600	497654	R
									73					
									81					
									88					
0111	94032	690821	94032	0035					15		All	3600	497652	R
									63					
									73					
									81					
									88					
0112	94052	493599	94052	0049					15		All	3300	497655	R
									63					
0113	94032	690821	94032	0035					15		All	2800	497652	R
									63					
									73					
									81					
0114	94032	690821	94032	0035					15		All	3300	497652	R
									63					
0116	94032	690821	94032	0035					15		All	3300	497652	R
									63					

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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
0119	94052	493599	94052	0049			1	691348	15 81		All	3300	497655	R
0120	94032	690821	94032	0035					15 81 88 101		All	3600	497652	R
0121	94052	493599	94052	0049					15 81 88		All	3600	497655	R