

85400 to 85499

SERVICE ENGINE  **SALES MANUAL**

**MODEL 85400 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 48:** Remove Fuel Tank Assembly from 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

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	85432	715053	117432	0236					15		01	3600	497650	
0036	85432	715084	117432	0236					15		01	3600	497649	
0038	85432	715086	117432	0238					15		01 02	3750 3150	497651	
0051	85432	715086	117432	0238	1	710200	1	710282	15 48 88		01	3150	497651	
0058	85432	715088	No Replacement Repair With Individual Parts.						15		01	3150		
0072	85462	715090	No Replacement Repair With Individual Parts.						15		01	3600		
0078	85432	715086	117432	0038	1	710200	1	710282	15		01	3150	497651	
0126	85432	715088	No Replacement Repair With Individual Parts.						15		01	3150		
0127	85432	715053	117432	0235					15		01	3600	497650	
0128	85432	715986	117432	0238	1	710200	1	710282	15		01 02	3150 3150	497651	
0129	85432	715086	117432	0238	1	710200	1	710282	15 48 88		01	3150	497651	
0130	85432	715986	117432	0238	1	710200	1	710282	15 48 88		01	3150	497651	
0131	85432	715086	117432	0038	1	710200	1	710282	15 48 88		01	3150	497651	
0132	85432	715086	117432	0038	1	710200	1	710282	15 48		01	3150	497651	
0133	85432	715086	117432	0038	1	710200	1	710282	15 48 88		01	3150	497651	
0134	85432	715086	117432	0038	1	710200	1	710282	15 48		01	3150	497651	

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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	
0135	85432	715086	117432	0038	1	710200	1	710282	15 48 88		01	3150	497651		
0136	85432	715053	117432	0035					15		01	3600	497650		
0230	85432	715246	No Replacement Repair With Short Block and/or Individual Parts									E1	3150	497651	
0235	85432	715053	STD.						15		A1	3600	497650		
0236	85432	715084	STD.						15		A1	3600	497649		
0238	85432	715086	STD.						15		A1	3750	497651		
0272	85462	715090	No Replacement Repair With Individual Parts.							15		E1	3600		
0278	85432	715086	117432	0238	1	710200	1	710282	15 48 88		E1	3150	497651		