

117400 to 117499**SERVICE ENGINE****SALES MANUAL****MODEL 117400 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 42: Original engine was equipped special Remote Throttle Control or Governor Control. Transfer these parts to replacement engine.

NOTE 48: Remove Fuel Tank Assembly from replacement engine.

NOTE 77: Transfer Fuel Pump and related parts from original engine to 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

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
0036	117432	715009	117432	0236					15		All	3600	497643	
0081	117432	715041	117432	0238					15		All	3800	497645	
									48					
									88					
0101	117462	715044	No Replacement Repair With Individual Parts.						15		All	3600		
0134	117432	715009	117432	0236					15		All	3600	497643	
0135	117462	715044	No Replacement Repair With Individual Parts.						15		All	3600		
0155	117432	715009	No Replacement Repair With Individual Parts.						15		All	3600		
0180	117432	715240	117432	0236					15		All	3600	497643	
0181	117462	715044	No Replacement Repair With Individual Parts.						15		All	3600		
0187	117432	715240	117432	0236					15		All	3600	497643	
0188	117462	715044	No Replacement Repair With Individual Parts.						15		All	3600		
0189	117462	715044	No Replacement Repair With Individual Parts.						15		All	4000		
0190	117432	715240	117432	0236					15		All	4000	497643	
0191	117432	715240	117432	0236					15		All	3600	497643	
									48					
									88					
0192	117462	715044	No Replacement Repair With Individual Parts.						15		All	4000		
0193	117432	715240	117432	0236					15		All	4000	497643	
0196	117432	715240	117432	0236					15		All	4000	497643	
									81					
0197	117462	715044	No Replacement Repair With Individual Parts.						15		All	4000		
0235	117432	715239	STD.						15		All	3600	497644	
0236	117432	715240	STD.						15		All	3600	497643	
0238	117432	715241	STD.						15		All	3800	497645	
0239	117437	715240	No Replacement Repair With Individual Parts.						15		All	3600		
0242	117436	715240	No Replacement Repair With Individual Parts.						15		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					
0247	117432	715240	117432	0236					15		All	3600	497643						
0256	117432	715240	117432	0236					15		All	3600	497643						
0260	117432	715043	STD.						15		All	3600	497647						
0272	117462	715244	No Replacement Repair With Individual Parts.						15		All	3600							
0281	117432	715241	STD.						15		All	3800							
0282	117436	715240	No Replacement Repair With Individual Parts.						15		All	3600							
0501	117462	715244	No Replacement Repair With Individual Parts.						15		All	3600							
0502	117432	715351	117432	0236	1	715240	1	715351	15	0502	All	3600							
0503	117462	715044	No Replacement Repair With Individual Parts.						15		All	3600							
0504	117462	715044	No Replacement Repair With Individual Parts.						15		All	3600							
0505	117432	715240	117432	0236					15		All	3800	497643						
0530	117432	715240	117432	0236					15		01	3600	497643						
									42		All	3600							
0535	117432	715244	No Replacement Repair With Individual Parts.						15		All	3600							
0550	117432	715040	117432	0236	1	715009	1	715040	15		All	4250							
0551	117432	715039	117432	0235					15		All	4250	497644						
0552	117432	715041	117432	0238	1	710101	1	710283	15		All	3150	497645						
0553	117432	715040	117432	0236	1	715240	1	715040	15	0553	All	3600							
0554	117432	715041	117432	0238	1	710101	1	710283	15		All	3150	497645						
0555	117432	715009	No Replacement Repair With Individual Parts.						15		All	3600							
0557	117436	715240	No Replacement Repair With Individual Parts.						15		All	3600							
0558	117436	715009	No Replacement Repair With Individual Parts.						15		All	3600							
0580	117432	715240	117432	0236					15		All	3600	497643						
0581	117432	715041	117432	0281					15		All	3800							
									88										
0582	117462	715044	No Replacement Repair With Individual Parts.						15		All	3600							
0583	117432	715241	117432	0238	1	710101	1	710283	15		All	3150	497645						
0584	117432	715351	117432	0236	1	715240	1	715351	15	0584	All	3600							
0585	117432	715241	117432	0238					15		All	3600	497645						
									48										
									88										
0586	117432	715241	117432	0238	1	710101	1	710523	15		All	3150	497645						
0591	117432	715241	117432	0238	1	710101	1	710283	15		All	3150	497645						
									48										
									88										
0592	117432	715241	117432	0238	1	710101	1	710523	15		All	3150	497645						
									48										
									88										
0593	117432	715240	117432	0236					15		All	3600	497643						
									42										
0594	117432	715240	117432	0236					15		All	3600	497643						
0595	117437	715241	No Replacement Repair With Individual Parts.						15		All	3150							
0596	117437	715039	No Replacement Repair With Individual Parts.						15		All	4250							
0597	117432	715438	117432	0236	1	715240	1	715438	15	0597	All	4250							
0598	117432	715240	117432	0236					15		All	3600	497643						
0599	117432	715241	117432	0238					15		All	3600	497645						
0600	117437	715238	No Replacement Repair With Individual Parts.						15		All	4250							
0601	117432	715240	117432	0236					15		All	3600	497643						
									48										
									77										
									88										
0602	117437	715240	No Replacement Repair With Individual Parts.						15		All	3600							
0603	117432	715254	No Replacement Repair With Individual Parts.						15		All	3600							
0604	117432	715241	117432	0281	1	710726	1	710727	15		All	3150	497645						
									88										
0606	117432	715240	117432	0236					15		All	3600	497643						

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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
0607	117432	715241	117432	0238					15 48		All	3800	497645	
0608	117432	715240	117432	0236					15 48 77 88		All	3600	497643	
0612	117432	715241	117432	0281	1	710726	1	710523	15 88		All	3150	497645	
0613	117437	715241	No Replacement Repair With Individual Parts.						15		All	3150		
0616	117432	715351	No Replacement Repair With Individual Parts.						15		All	3600		
0622	117432	715240	117432	0236					15 88		All	3600	497643	
0625	117432	715241	117432	0238	1	710101	1	710523	15 42 48 88		All	3150	497645	