

19G400 to 19G499

SERVICE ENGINE



SALES MANUAL

**MODEL 19G400 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.

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
0060	19G432	495790	No Replacement		Repair With Individual Parts.				15		All	3150	497538	
0068	19G412	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
0071	19G412	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
0129	19G412	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
0130	19G412	495832	No Replacement		Repair With Individual Parts.				15		All	3750		
0131	19G412	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
0165	19G412	495648	205432	0036					15 30		All	3750		
0169	19G415	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
0629	19G412	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
0669	19G415	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
0680	19G412	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
0681	19G417	497590	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
0682	19G417	497590	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
1015	19G402	495648	205432	0036					15 30		All	3600		
1060	19G432	495790	No Replacement		Repair With Individual Parts.				15		All	3150	497538	
1129	19G412	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
1131	19G412	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
1165	19G402	495648	205432	0036					15 30		All	3600		
1169	19G415	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
1170	19G402	495648	205432	0036					15 30		All	3600		
1180	19G412	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
1181	19G417	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	
1182	19G432	495866	No Replacement		Repair With Individual Parts.				15		All	3600		
1183	19G412	495790	No Replacement		Repair With Individual Parts.				15		All	3750	497538	

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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
1184	19G417	497590	No Replacement Repair With Individual Parts.						15		All	3750	497538	
1185	19G412	495790	No Replacement Repair With Individual Parts.						15		All	3750	497538	
1186	19G412	495790	No Replacement Repair With Individual Parts.						15		All	3750	497538	
1187	19G412	495790	No Replacement Repair With Individual Parts.						15		All	3750	497538	
1188	19G415	495790	No Replacement Repair With Individual Parts.						15		All	3750	497538	
1189	19G412	495790	No Replacement Repair With Individual Parts.						15		All	3750	497538	
1190	19G437	495788	202437	0033					15		All	3600		
1191	19G412	495790	No Replacement Repair With Individual Parts.						15		All	3750	497538	
1192	19G412	495790	No Replacement Repair With Individual Parts.						15		All	3750	497538	
1193	19G417	497590	No Replacement Repair With Individual Parts.						15		All	3750	497538	
1194	19G417	497590	No Replacement Repair With Individual Parts.						15		All	3750	497538	
1195	19G412	495790	No Replacement Repair With Individual Parts.						15		All	3750	497538	
1196	19G412	495790	No Replacement Repair With Individual Parts.						15		All	3150	497538	
1197	19G417	495790	No Replacement Repair With Individual Parts.						15		All	3750	497538	
1198	19G417	495790	No Replacement Repair With Individual Parts.						15		All	3750		