

245400 to 245499

SERVICE ENGINE



SALES MANUAL

**MODEL 245400 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 71:** Transfer Electromagnetic Idle Down Assembly 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
- NOTE 96:** Transfer the Air Cleaner Assembly and related parts to the replacement engine.
- NOTE 103:** Transfer the Fuel Tank Assembly from the original engine 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:

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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	245432	715342	245432	0235					15		01	3600	499535	
0042	245432	715343	STD.						15		01	3800		
0047	245432	715344	245432	0247					15		01	3600	499536	
0070	245432	715343	STD.						15		01	3800	499537	
0071	245432	715343	245432	0070					15 48		01	3800	499537	
0074	245437	715343	245437	0284	1	710567	1	710655	15	0074	01	3800		
					1	715342	1	715343			01	3800		
0075	245437	715343	245437	0284	1	710567	1	710655	15	0075	01	3800		
					1	715342	1	715343						
0076	245437	715342	245437	0284					15		01	3600	499538	
0080	245437	715343	245437	0284	1	710567	1	710565	15		All	3150		
					1	715342	1	715343						
0083	245432	715343	245432	0042	1	710655	1	710565	15 88 103		01	3150		
0084	245437	715342	245437	0284					15		01	3600	499538	
0090	245432	715343	245432	0070	1	710655	1	710565	15		01	3150	499537	
0121	245432	715432	245432	0235					15		01	3600	499535	
0124	245432	715432	245432	0235					15		01	3600	499535	
0127	245432	715343	245432	0070	1	710655	1	710565	15		01	3150	499537	
0128	245437	715343	245437	0284	1	710567	1	710565	15		01	3150		
					1	715342	1	715343						
0130	245432	715342	245432	0235					15		01	3600	499535	

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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
0235	245432	715342	STD.						15		E1	3600	499535	
0242	245432	715343	STD.						15					
0247	245432	715344	STD.						15		A1	3600	499536	
											E1	3600		
											E2	3600		
0261	245432	715343	245432	0270					15		All	3750	499537	
									48					
									71					
									81					
									88					
0270	245432	715343	STD.						15		All	3750	499537	
0271	245437	715344	245437	0284	1	715342	1	715344	15		All	4250		
									81					
0280	245437	715343	245437	0284	1	710567	1	710565	15		All	3150		
						1	715342	1	715343					
0284	245437	715342	STD.						15				499538	
0290	245432	715343	245432	0070					15		All	3150	499537	
									81					
0519	245432	715343	245432	0070					15		All	3150	499537	
									48					
									81					
									88					
0520	245432	715343	245432	0270	1	710567	1	710565	15		E1	3150	499537	
									48					
									88					
0521	245432	715342	245432	0235					15		E1	3600	499535	
0522	245432	715342	245432	0235					15		E1	3600	499535	
0523	245437	715343	245437	0284	1	715342	1	715343	15		All	3150		
									48					
									81					
									88					
0527	245432	715343	245432	0270	1	710567	1	710565	15		E1	3150	499537	
0528	245437	715343	245437	0284	1	710342	1	710343	15		E1	3150		
						1	710567	1	710565					
0529	245432	715342	245432	0235					15		All	3600	499535	
									48					
									88					
0530	245432	715343	245432	0270					15		E1	3600	499537	
									48					
									88					
0531	245437	715343	245437	0284	1	710342	1	710343	15		E1	3150		
						1	710567	1	710565					
									48					
									88					
0532	245437	715343	245437	0284	1	715342	1	715343	15		All	3150		
									48					
									81					
									88					
0535	245432	715342	245432	0235					15		E1	3600	499535	
0536	245437	715342	245437	0284					15		E1	3600	499538	
									48					
									88					
0537	245432	715342	245432	0235					15		E1	3600	499535	
									48					
									88					
0538	245432	715342	245432	0235					15		E1	3600	499535	
0539	245437	715342	245437	0284					15		E1	3600	499538	
									48					
0540	245432	715343	245432	0270	1	710567	1	710565	15		E1	3150	499537	

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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
0541	245432	715343	245432	0270	1	710655	1	710565	15 48 88		All	3150	499537	
0542	245436	715342	245437	0284					15		E1	3600	499538	
0543	245437	715343	245437	0284	1	715342	1	715343	15 48 88		E1	3800		
0544	245432	715343	245432	0070	1	710567	1	710565	15 48 88		E1	3150	499537	
0545	245432	715342	245432	0235					15		E1	3600	499535	
0546	245432	715342	245432	0235					15		E1	3600	499535	
0548	245437	715342	245437	0284					15		All	3600	499538	
0549	245432	715343	245432	0070					15 48		E1	3800	499537	
0550	245437	715343	245437	0284	1	710567	1	710565	15 48 88		E1	3150		
						1	715342	1	715343					
0551	245437	715343	245437	0284	1	715342	1	715343	15 48 88		E1	3800		
0552	245432	715343	245432	0070	1	710567	1	715342	15 48		E1	3600	499537	
0553	245432	715343	245432	0070					15 48 81 88		All	3150	499537	
0555	245437	715343	245437	0284	1	715342	1	715343	15 48 81 88		All	3150		
0556	243437	715343	245437	0284	1	715342	1	715343	15 48 81 88		All	3150		
0557	245432	715343	245432	0070					15 48 81 88		All	3150	499537	
0558	243435	715343	245437	0284	1	715342	1	715343	15 48 71 81 88		All	3800		
0559	245437	715343	245437	0284	1	715342	1	715343	15 48 71		All	3750		
0561	245435	715343	245437	0284	1	715342	1	715343	15 48 88		All	3800		
0563	245437	715343	245437	0284	1	715342	1	715343	15 48 81 88		All	3150		
0565	245432	715342	245432	0235					15 96		All	3600	499535	
0566	245432	715342	245432	0235					15 96		All	3600	499535	

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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
0567	245432	715342	STD.						15 88 96		All	3600	499535	
0576	245436	716087	No Replacement Repair With Individual Parts.						15		All	3600		
0577	245432	715342	245432	0235					15 42		All	3700	498535	