

138400 to 138499

SERVICE ENGINE



SALES MANUAL

**MODEL 138400 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 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 106:** Transfer the Idle Down Device, Control Plate, Breather Tube and Control Panel 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	138432	715426	STD.						15		All	3600		
0038	138432	715469	138432	0035	1	715426	1	715469	15	0038	E1	3150		
0042	138432	715469	138432	0035	1	710702	1	710703	15	0042	A1	3800		
					1	715426	1	715469	48					
									106					
0047	138432	715499	STD.						15		A1	3600		
											E1	3600		
0050	138432	715470	138432	0035	1	715426	1	715470	15		E1	3600		
									88		E2	3600		
0084	138437	715426	STD.						15		A1	3600		
0120	138432	715426	185432	0035					15		A1	3600		
											E1	3600		
0127	138432	715499	138432	0047					15		A1	3600		
0128	138432	715469	138432	0035	1	715426	1	715469	15		E1	3150		
0131	138462	715534	No Replacement Repair With Individual Parts.						15		A1	3600		
											E1	3600		
0132	138462	715534	No Replacement Repair With Individual Parts.						15		E1	3600		
0133	138432	715426	138432	0035					15		E1	3600		
0134	138432	715768	138432	0035	1	715426	1	715768	15		E1	3700		
									81					
									88					
0136	138432	715469	138432	0035	1	715426	1	715469	15		E1	3150		
									48					
									81					
									88					
0138	138462	715534	No Replacement Repair With Individual Parts.						15		E1	3600		
0140	138437	715426	138437	0084					15		E1	3600		
0141	138432	715426	138432	0035					15		E1	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
0142	138432	715469	138432	0035	1	715426	1	715469	15		E1	3150		
0143	138432	715469	138432	0035					15 48 88		E1	3600		
0144	138462	715534	No Replacement Repair With Individual Parts.						15		E1	3600		
0145	138462	715426	No Replacement Repair With Individual Parts.						15		E1	3600		
0146	138462	715534	No Replacement Repair With Individual Parts.						15		E1	3600		
0147	138432	715426	138432	0035					15		E1	3600		
0148	138437	715426	138432	0284					15		E1	3600		
0149	138437	715469	138437	0284	1	715426	1	715469	15		E1	3150		
0150	138437	715426	138437	0284					15		E1	3600		
0151	138432	715499	138432	0047					15		E1	3600		
0152	138462	715534	No Replacement Repair With Individual Parts.						15		E1	4000		
0153	138432	715426	138432	0035					15		E1	4000		
0154	138432	715499	138432	0047					15		E1	3600		
0155	138437	715426	138432	0035					15		E1	3600		
0156	138437		No Replacement Repair With Individual Parts.						15		E1	4500		
0157	138432	715426	138432	0035					15		E1	3600		
0158	138432	715469	138432	0035	1	715426	1	715469	15 48 106		E1	3800		
0159	138432	715426	138432	0035					15		E1	3600		
0160	138462	715534	No Replacement Repair With Individual Parts.						15		E1	4000		
0161	138432	715426	138432	0035					15		E1	3600		
0164	138432	715499	138432	0047					15		01	3600		
0165	138436	715499	138437	0284	1	715426	1	715499	15		E1	3600		
0166	138432	715426	138432	0035					15		E1	3600		
0167	138466	715534	No Replacement Repair With Individual Parts.						15		E1	3600		
0168	138432	715499	138432	0047					15		E1	3600		
0169	138467	715534	No Replacement Repair With Individual Parts.						15		E1	1800		
0170	138432	715679	138432	0035	1	715426	1	715679	15		E1	3600		
0171	138432	715469	138432	0035	1	715426	1	715679	15 81		E1	3150		
0172	138462	715534	No Replacement Repair With Individual Parts.						15		01	3600		
0173	138432	715686	138432	0035	1	715426	1	715686	15		E1	3600		
0174	138462	715534	No Replacement Repair With Individual Parts.						15		01	4000		
0175	138432	715426	138432	0035					15 81		01	4000		
0176	138432	715469	138432	0035	1	715426	1	715469	15 48 81 88		All	3150		
0181	138432	715469	STD.						15 88		All	3800		
0182	138432	715469	138432	0035	1	715426	1	715469	15 48 81 88		All	3150		
0183	138432	715499	138432	0047					15		All	3600		
0187	138432	715499	138432	0047					15		All	3600		
0188	138432	715469	138432	0035	1	715426	1	715469	15 81 88		All	3150		
0189	138432	715469	138432	0035	1	715426	1	715469	15 48 81 88		All	3150		

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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
0249	138432	715469	138432	0035	1	715426	1	715469	15					
0284	138437	715426	STD.						15		E1	3600		