

204400 to 204499**SERVICE ENGINE****SALES MANUAL****MODEL 204400 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 63: Transfer Rewind Assembly from original engine to replacement engine.

NOTE 76: Transfer Flywheel, Blower Housing, Alternator and/or Gear Drive Electric Starter and Panel 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 90: Transfer Oil Sensor to the replacement engine.

NOTE 101: Transfer the Extended Oil Fill Tube and Dipstick Assembly to the replacement engine.

NOTE 118: The original engine was equipped with a weather guard. Transfer all related parts 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:

204400 to 204499

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	204432	695818	205432	0035					15		All	3800	696098	
0036	204432	695462	STD.						15		All	3600	696094	
0109	204412	694678	205432	0038					15		All	3750	696096	
									48					
									90					
0110	204437	695462	206437	0041					15		All	3600	696094	
0111	204412	694678	205432	0038					15		All	3750	696096	
									48					
0112	204412	695818	205432	0035					15		All	3600	696098	
0113	204412	696512	204432	0036	1	695372	1	696512	15		All	3600		
						1 695434		1 696914						
						1 695462								
0114	204412	695369	205432	0036					15		All	3800	696095	
0115	204417	695369	205437	0041					15		All	3800	696095	
0116	204412	695369	205432	0036					15		All	3600	696095	
0117	204412	695369	205432	0036					15		All	3600	696095	
0118	204412	694678	205432	0038					15		All	3150	696096	
									48					
									81					
									90					
0119	204412	694678	205432	0038					15		All	3750	696096	
									48					
									90					
0120	204437	695462	206437	0041					15		All	3600	696094	

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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
0121	204412	695462	204432	0036					15		All	3600	696094	
0122	204417	695462	206437	0041					15		All	3600	696094	
0123	204452	695817	205452	0049					15		All	3600	696097	
0124	204417	694678	205432	0038					15		All	3750	696096	
									48					
									76					
									90					
0125	204412	695369	205432	0036					15		All	3600	696095	
									48					
0126	204412	694678	205432	0038					15		All	3750	696096	
									48					
									90					
0127	204415	694678	205432	0038					15		All	3750	696096	
									48					
									76					
									90					
0128	204412	695369	205432	0036					15		All	3500	696095	
0129	204415	694678	205432	0038					15		All	3750	694096	
									48					
									76					
									90					
0130	204412	694678	205432	0038					15		All	3750	694096	
									48					
									90					
0131	204412	694678	205432	0038					15		All	3750	696096	
									48					
									90					
0132	204412	694678	205432	0038					15		All	3750	696096	
									48					
									88					
									90					
0133	204417	695369	205437	0041					15		All	3600	696095	
0134	204412	694678	205432	0038					15		All	3750	696096	
									48					
									90					
0135	204412	694678	205432	0038					15		All	3750	696096	
									48					
									88					
									90					
0136	204412	694678	205432	0038					15		All	3750	696096	
									48					
									88					
									90					
0137	204412	694678	205432	0038					15		All	3750	696096	
									48					
									88					
									90					
0138	204412	694678	205432	0038					15		All	3750	696096	
									48					
									88					
									90					
0139	204417	694678	205432	0038					15		All	3750	696096	
									48					
									76					
									88					
									90					
0140	204412	694678	205432	0038					15		All	3750	696096	
									48					
									90					

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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
0141	204417	694678	205432	0038					15 48 76 90		All	3750	696096	
0142	204412	694678	205432	0038					15 48 88 90		All	3750	696096	
0143	204417	694678	205432	0038					15 48 76 90		All	3750	696096	
0144	204417	694678	205432	0038					15 76 90		All	3750	696096	
0145	204412	694678	205432	0038					15 48 90		All	3750	696096	
0146	204412	694678	205432	0038					15		All	3750	696096	
0147	204412	694678	205432	0038					15 48 88 90		All	3750	696096	
0148	204412	695369	205432	0036					15 90		All	3600	696095	
0149	204412	694678	205432	0038					15 48 90		All	3750	696096	
0150	204412	694678	205432	0038					15 48 88 90		All	3750	696096	
0151	204412	694678	205432	0038					15 48 88 90		All	3750	696096	
0152	204412	694678	205432	0038					15 48 88 90		All	3750	696096	
0153	204412	694678	205432	0038					15 48 88 90		All	3750	696096	
0154	204417	694678	205432	0038					15 48 76 90 118		All	3750	696096	
0155	204412	695462	205432	0035	1	695818	1	695462	15 101		All	3600	696094	
0156	204412	694678	205432	0038					15 48 88 90 118		All	3750	696096	
0157	204417	695369	205437	0041					15 63 88		All	3800	696095	
0159	204412	695369	205432	0036					15		All	3600	696095	

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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
0160	204412	695462	204432	0036					15		All	3600	696094	
0162	204412	694678	205432	0038					15		All	3750	696096	
									88					
									90					
0163	204412	694678	205432	0038					15		All	3750	696096	
									48					
									63					
									88					
									118					
0164	204415	694678	205432	0038					15		All	3750	696096	
									48					
									76					
									88					
									90					
									101					
									118					
0168	204415	694678	205432	0038					15		All	3750	696096	
									48					
									76					
									88					
0213	204432	696412	204432	0036	1	695462	1	696412	15	0213	All	3600		
									63					
0214	204437	696412	205437	0041	1	695369	1	696412	15		All	3600		
0276	204412	695306	204432	0036	1	695372	1	695306	15		All	3600		
					1	695434	1	696914	88					
					1	695462								
0417	204412	695306	204432	0036	1	695372	1	695306	15		All	3600		
					1	695434	1	696914	88					
					1	695462								