

**202400 to 202499**

**SERVICE ENGINE**



**SALES MANUAL**

**MODEL 202400 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 17:** Gear Red. @ 3 o'clock.
- NOTE 48:** Remove Fuel Tank Assembly from replacement engine.
- NOTE 61:** The original engine was equipped with Debris Gard. Transfer these parts 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 83:** Transfer High Oil Fill Assembly to the 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 97:** Transfer the Blower Housing, Rewind Assembly and related parts from the original engine to replacement engine.
- NOTE 101:** Transfer the Extended Oil Fill Tube and Dipstick Assembly 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:

**202400 to 202499**

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
0033	202437	696412	STD.						15		All	3600		
0035	202432	695818	STD.						15		All	3600	696098	
0036	202432	695369	STD.						15		All	3600	696095	
0041	202437	695369	STD.						15		All	3600	696095	
0049	202452	695817	STD.						15		All	3600	696097	
0063	202432	696412	STD.						15		All	3600		
0110	202432	695369	202432	0036					15		All	3600	696095	
0111	202437	695369	202437	0041					15		All	3600	696095	
0112	202432	695369	202432	0036					15		All	3600	696095	
0113	202412	694678	205432	0038					15		All	3750	696096	
									48					
									90					
0114	202432	695462	203432	0036					15		All	3600	696094	
0115	202437	695462	203437	0041					15		All	3600	696094	
0116	202432	695462	203432	0036					15		All	3800	696094	
0117	202412	695369	202432	0036					15		All	3600	696095	
0118	202432	694678	202432	0036	1	695369	1	694678	15	0118	All	3600		
0119	202432	695462	203432	0036					15		All	3600	696094	
0120	202412	694678	205432	0038					15		All	3750	696096	
									90					

202400 to 202499

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	202432	696329	202432	0036	1	695369	1	696329	15 81	0121	All	3150		
0122	202432	695369	202432	0036					15		All	3600	696095	
0123	202432	695818	202432	0035					15 90		All	3600	696098	
0124	202432	695369	202432	0036					15		All	3600	696095	
0125	202437	695369	202437	0041					15		All	3600	696095	
0126	202412	694678	205432	0038					15		All	3750	696096	
0127	202437	695369	202437	0041									696095	
0128	202452	695817	202452	0049					15 90		All	3600	696097	
0129	202432	695462	203432	0036					15		All	3600	694094	
0130	202432	695462	203432	0036					15		All	3600	696094	
0131	202412	695369	202432	0036					15		All	3600	696095	
0132	202432	694678	205432	0038					15 81 90		All	3150	696096	
0133	202437	695462	203437	0041					15		All	3600	696094	
0134	202412	695462	203432	0036					15		All	3600	696094	
0135	202436	695369	203437	0041	1	695462	1	695369	15		All	3200	696095	
0136	202432	695462	203432	0036					15		All	3600	696094	
0137	202437	695369	202437	0041					15		All	3600	696095	
0138	202412	695369	202432	0036					15 61 90		All	3200	696095	
0139	202437	695462	203437	0041					15		All	3800	696094	
0140	202437	695369	202437	0041					15		All	3600	696095	
0141	202412	694678	205432	0038					15 48 81 88 90		All	3150	696096	
0142	202412	695369	202432	0036					15 81 90		All	3200	696095	
0145	202412	695369	202432	0036					15 81 97		All	3900	696095	
0147	202412	695369	202432	0036					15 61 81 88 90		All	3200	696095	
0148	202432	695462	202432	0036	1	695369	1	695462	15	0148	All	3600	696094	
0149	202432	494678	205432	0038					15 90		All	3750	696096	
0150	202432	695462	202432	0036	1	695369	1	695462	15 90	0150	All	3600	696094	
0151	202432	694678	205432	0038					15 81 88 90 101		All	3150	696096	
0152	202432	695818	202432	0035					15 88 90		All	3600	696098	
0155	202412	695369	202432	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
0156	202432	695462	205432	0036	1	695369	1	695462	15 88 101		All	3600	696094	
0157	202412	694678	205432	0038	1	695174	1	695296	15 81 88 90		All	3150	696096	
0158	202412	694678	205432	0038	1	695174	1	695296	15 48 81 88 90		All	3150	696096	
0160	202432	695462	203432	0036					15		All	3800	696095	
0161	202437	694678	202437	0041	1	695369	1	694678	15 81 88 90 101		All	3150	696096	
0166	202412	695369	202432	0036					15 81 83		All	3900	696095	
0167	202412	694678	205432	0038					15 81 88 90		All	3150	696096	
0168	202412	694678	205432	0038					15 48 81 88 90		All	3150	696096	
0171	202432	695462	203432	0036					15		All	3600	696094	
0175	202412	695462	203432	0036					15		All	3600	696094	
0193	202457	695817	202452	0049					15 17 76 83		All	3600	696097	
0434	202412	695369	206432	0036	1	695462	1	695369	15 81 88		All	3200	696095	