

356400 to 356499

SERVICE ENGINE



SALES MANUAL

**MODEL 356400 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 41:** Original engine was equipped for or with a 12 volt or 120 volt Gear Drive Starter and/or with alternator only. Transfer all related parts as required.
- NOTE 42:** Original engine was equipped special Remote Throttle Control or Governor Control. Transfer these parts to replacement engine.
- NOTE 43:** Original engine was equipped with a Rotating Screen. These parts can be transferred to the replacement engine.
- NOTE 47:** Remove Fuel Tank from replacement engine. Transfer Rotating Screen and Flywheel Guard Group to replacement engine.
- NOTE 61:** The original engine was equipped with Debris Gard. Transfer these parts to replacement engine.
- NOTE 68:** Transfer Flywheel and Alternator Assembly from original to replacement engine.
- NOTE 72:** Transfer Exhaust Ducting and/or Muffler Assembly from original engine to replacement engine.
- NOTE 73:** Transfer Flywheel Assembly to the replacement engine.
- NOTE 77:** Transfer Fuel Pump and related parts from original engine to replacement engine.
- NOTE 78:** Transfer Fuel Tank Assembly from the original engine to the replacement engine.
- NOTE 90:** Transfer Oil Sensor to the replacement engine.
- NOTE 95:** Transfer Stub Shaft and/or Booster Fan Assembly to replacement engine.
- NOTE 96:** Transfer the Air Cleaner Assembly and related parts to the replacement engine.
- NOTE 97:** Transfer the Blower Housing , Rewind Assembly and related parts from the original engine to replacement engine.
- NOTE 105:** Transfer the Governor Spring and Governor Idle Spring to the replacement engine.
- NOTE 107:** Transfer the Main Governor Spring to the replacement engine.
- NOTE 108:** Transfer the Muffler and/or Spark Arrester Assembly from the original engine if suitable for additional service, or add new parts as required. In some cases it maybe necessary to transfer the Oil Filter Adapter to the replacement engine.
- NOTE 114:** Transfer Regulator and Lead Wires 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
0005	356447	809811	STD.						15		All	3600		
0009	356447	809842	STD.						15		All	3600		
0065	356442	809842	STD.						15		All	3600	496238	
0066	356447	809842	STD.						15		All	3600	496238	
0075	356447	809842	STD.						15		All	3600	496238	
0077	356447	809804	STD.						15		All	3600	496239	
0078	356447	809811	STD.						15		All	3750	496240	
0079	356447	809842	STD.						15		All	3600	496238	
0087	356447	809832	STD.						15		All	3600		
0096	356447	809842	STD.						15		All	3600	496238	

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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
0114	356447	809842	356447	0079					15 95 96 108		All	3600	496238	
0117	356447	809842	356447	0079					15 90 96 107 108		All	3300	496238	
0118	356447	809842	356447	0079					15 108		All	3600	496238	
0119	356442	809842	356442	0065					15 41 47 77 108		All	3600	496238	
0121	356447	809811	356447	0078					15 107 108		All	3150	496240	
0122	356447	809811	356447	0078					15 78 107		All	3150	496240	
0123	356447	809806	356447	0075					15 108 114		All	3600	496238	
0125	356447	809842	356447	0066					15 77 108 114		All	3600	496238	
0126	356442	809811	356442	0065	1	809842	1	809811	15 47 107	0126	All	3150	496240	
0127	356442	809842	356442	0065					15 77		All	3600	496238	
0128	356442	809811	356442	0065	1	809842	1	809811	15 77 107	0128	All	3150	496240	
0129	356447	809806	356447	0079					15 72 96		All	3800	496238	
0130	356447	809806	356447	1415					15 78 97 107 108		All	3600		
0139	356447	809806	356447	0079					15 96		All	3600	496238	
0140	356447	809806	356447	0079					15 107		All	3300	496238	
0142	356447	809806	356447	0075					15 68 97 107 108		All	4000	496238	
0148	356447	809806	356447	0066					15 95 97 108		All	3600	496238	
0150	356447	809811	356447	0005					15 108		All	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
0154	356447	809842	No Replacement Repair With Short Block and/or Individual Parts								All	3800	496238	
0157	356447	809806	356447	0079					15 108		All	3600	496238	
0158	356447	809806	356447	0079					15 43 96 107 108		All	3000	496238	
0161	356447	809842	356447	0079					15 42 96 97 107 108		All	3300	496238	
0162	356447	809806	356447	0079					15 105		All	2850	496238	
0163	356447	809806	No Replacement Repair With Short Block and/or Individual Parts								All	3600	496238	
0164	356447	809806	356447	0075					15		All	3600	496238	
0165	356447	809806	356447	1415					15 97 108		All	4000		
0168	356447	809842	356447	0066					15 108		All	3600	496238	
0171	356447	809804	356447	0077					15 43		All	3600	496239	
0179	356447	809836	356447	0079	1	809842	1	809836	15 61 72 96 105	0179	All	3200		
0189	356447	809804	356447	0077					15 42 107 108		All	4000	496239	
0191	356447	809804	No Replacement Repair With Short Block and/or Individual Parts								All	3600	496239	
0200	356447	809842	356447	0079					15 73 107 108		All	2850	496238	
0201	356447	809806	356447	0079					15 72 107 108		All	3100	496238	
0329	356447	809842	356447	0079					15 72 90 95 108		All	3600	496238	
0331	356447	809806	356447	0075					15		All	3600	496238	
1415	356447	809806	STD.						15 108		All	4000		