

**120400 to 120499**

**SERVICE ENGINE**  **SALES MANUAL**

**MODEL 120400 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 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 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 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 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:

**120400 to 120499**

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
0023	120412	693387	121312	0023	1	694831	1	695285	15		All	3600	699582	
0036	120432	693403	121332	0036					15		All	3600	699579	
0109	120402	693887	123332	0036					15		All	3200	699579	
0110	120412	693387	121312	0023					15		All	3600	699582	
0111	120412	693387	121312	0023					15		All	3600	699582	
0112	120412	693887	121312	0023					15		All	3600	699582	
0113	120412	693887	121312	0023					15		All	3600	699582	
0114	120412	693887	121312	0023					15		All	3600	699582	
0119	120492	693887	121392	0070					15		All	3800	699586	
0120	120412	695237	121312	0026					15		All	3750		
0121	120417	693887	121337	0050					15		All	3800	699579	
0122	120412	693887	121312	0023					15		All	3600	699582	
0123	120432	693403	121332	0036					15		All	3600	699579	
0124	120412	695763	121312	0060					15		All	3600	699585	
0125	120492	693887	121392	0070					15		All	3600	699586	
0126	120435	693403	121337	0050					15		All	3600	699579	
0127	120492	693887	121392	0070	1	694831	1	695285	15		All	3600		
0128	120412	693887	121312	0023					15		All	3600	699582	
0129	120415	695237	121337	0050	1	693403	1	694450	15		All	3750		
									81					
0130	120415	693403	121337	0050					15		All	3600	699579	
0131	120432	693403	121332	0036					15		All	3600	699579	

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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	
0132	120412	695237	121312	0026					15 48 88		All	3750			
0133	120412	695237	121312	0026					15 48 88 90		All	3750			
0134	120412	695237	121312	0026					15		All	3750			
0135	120412	695237	121312	0026					15 88		All	3750			
0136	120412	693887	121312	0023					15		All	3600	699582		
0137	120412	695237	121312	0026					15		All	3750			
0138	120412	695237	121312	0026					15 101		All	3750			
0139	120412	693887	No Replacement Repair With Individual Parts.									All	3600	699582	
0140	120412	693887	121312	0023					15 81		All	3600			
0141	120412	693887	121312	0023					15		All	3800	699582		
0142	120412	693887	121312	0023					15 81		All	3600	699582		
0143	120412	693887	121312	0023					15 42 81		All	3600	699582		
0144	120412	695237	121312	0026					48 88 96 97		All	3750			
0145	120412	695237	121312	0026					15 48 88 90 97		All	3750			
0146	120412	693887	121312	0023					15		All	3600	699582		
0147	120452	694439	121352	0049					15 17 81 88		All	4000	699583		
0207	120412	693887	121312	0023					15 81		All	3600	699582		
0213	120402	693887	123332	0036					15 81		All	3200	699579		
0242	120412	693595	121312	0144					15 88		All	3600			