

**120300 to 120399**

**SERVICE ENGINE**



**SALES MANUAL**

**MODEL 120300 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 63:** Transfer Rewind Assembly from original engine 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 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:

**120300 to 120399**

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	120312	699445	121312	0023					15		All	3800	699582		
0036	120332	699443	121332	0036					15		All	3600	699579		
0120	120312	699447	121312	0026					15		All	3750			
									48						
									88						
									90						
0121	120317	699445	121337	0050					15		All	3800	699584		
0124	120312	699451	121312	0060					15		All	3600	699585		
									48						
									88						
0128	120312	699445	121312	0023					15		All	3600	699582		
0131	120332	699443	121332	0036					15		All	3600	699579		
0132	120312	699447	121312	0026	1	694171	1	692550	15		All	3750			
									48						
									88						
									97						
0135	120312	699477	121312	0026					15		All	3750			
									88						
0137	120312	699447	121312	0026					15		All	3750			
0138	120312	699447	121312	0026	1	694171	1	692550	15		All	3750			
									97						
									101						
0139	120312	699445	No Replacement Repair With Short Block and/or Individual Parts									All	3600	699582	

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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
0140	120312	699445	121312	0023					15		All	3600	699582	
0141	120312	699445	121312	0023					15		All	3800	699582	
0143	120312	699445	121312	0023					15		All	3600	699582	
0145	120312	699447	121312	0026	1	694171	1	692550	15		All	3750		
									48					
									88					
									90					
									97					
0146	120312	699445	121312	0023					15		All	3600	699582	
0147	120352	699444	121352	0049					15		All	4000	699583	
									17					
									81					
									88					
0148	120312	699447	121312	0026					15		All	3750		
0149	120332	699443	121332	0036					15		All	3600	699579	
0150	120312	699451	121312	0060					15		All	3600	699585	
									88					
									101					
0158	120312	699452	121312	0145					15		All	3600	699581	
0159	120332	699443	121332	0036					15		All	3600	699579	
									90					
0207	120312	699445	121312	0023					15		All	3600	699582	
0208	120332	699443	121332	0036					15		All	3200	699579	
									81					
									88					
0213	120302	699445	123332	0036					15		All	3200	699582	
									81					
									88					
0226	120312	699451	121312	0060					15		All	3800	699585	
0242	120312	699449	121312	0144					15		All	3600		
									88					
0299	120302	699449	121312	0144					15		All	3600		
									88					
0300	120302	699445	121332	0036					15		All	3200	699582	
									81					
									88					
0321	120312	699452	121312	0145					15		All	3600	699581	
									96					
0327	120312	699449	121A12	0022					15		All	3600	791519	
									63					
									88					
0335	120302	699445	123332	0036					15		All	3200	699582	
									81					
									88					
0414	120312	699452	121A12	0022	1	699449	1	699452	15		All	3600	699581	
0432	120302	699445	121A02	0020					15		All	3200	791518	
0433	120302	699445	121A02	0020					15		All	3200	791518	