

**121300 to 121399**

**SERVICE ENGINE**



**SALES MANUAL**

**MODEL 121300 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 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 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.
- NOTE 115:** Gear Red. @ 9 o'clock.
- NOTE 118:** The original engine was equipped with a weather guard. Transfer all related parts to the replacement engine.
- NOTE 119:** If the gear reduction parts are suitable for additional service,use model 121312 type no.0014 and transfer the reduction parts from the original 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:

**121300 to 121399**

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
0014	121312	699444	STD.						15		All	3600		
0023	121312	699445	STD.						15		All	3800	699582	
0026	121312	699447	STD.						15		All	3750		
0028	121312	699452	STD.						15		All	3600	699581	
0033	121332	699442	STD.						15		All	3750		
0035	121332	699441	STD.						15		All	4000	699580	
0036	121332	699443	STD.						15		All	3600	699579	
0049	121352	699444	STD.						15		All	3600	699583	
									119					
0050	121337	699443	STD.						15		All	3600	699584	
0060	121312	699451	121312	0260					15		All	3800	699585	
									88					
0070	121392	699445	STD.						15		All	3800	699586	
0071	121392	699451	STD.						15		All	3800		
0109	121392	699451	121392	0071					15		All	3600		
									97					
0110	121312	699451	121312	0260					15		All	3600	699585	
									88					
									101					

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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
0119	121332	699442	121332	0033	1	694171	1	692550	15		All	3150		
					1	699478	1	699818	81					
									88					
									90					
0120	121332	699443	121332	0036					15		All	3600	699579	
0121	121317	699445	121337	0050	1	699443	1	699582	15		All	3800	699582	
0122	121312	699447	121312	0026					15		All	3750		
									88					
0125	121312	699447	121312	0322	1	699452	1	699447	15		All	3750		
									48					
									88					
									90					
0126	121312	699447	121312	0026	1	694171	1	692550	15		All	3150		
					1	699478	1	699818	81					
									88					
									90					
0131	121332	699443	121332	0036					15		All	2900	699579	
									81					
									88					
0133	121332	699442	121332	0033	1	693206	1	692571	15		All	3150		
									90					
0135	121332	699451	121332	0036	1	699443	1	699451	15	0135	All	3600		
0136	121312	699451	121312	0060					15		All	3600	699585	
									90					
									101					
0140	121312	699447	121312	0026					15		All	3750		
									48					
									90					
0141	121332	699451	121332	0036	1	699443	1	699451	15	0141	All	3700		
									88					
0144	121312	699449	STD.						15		All	3600		
0145	121312	699452	STD.						15		All	3600	699581	
0147	121332	699443	121332	0036			1	699818	15		All	3600	699579	
									88					
0151	121332	699441	121332	0035					15		All	4000	699580	
									90					
0153	121332	699441	121332	0035					15		All	4000	699580	
									90					
									101					
0156	121332	699442	121332	0033	1	263206	1	262571	15		All	3150		
									90					
0157	121312	699451	121312	0260			1	692586	15		All	3800	699585	
									97					
									101					
0161	121302	699445	121332	0036					15		All	3200	699582	
									81					
0163	121352	699444	121352	0049					15		All	3600		
									88					
									90					
									115					
									119					
0164	121332	699441	121332	0035					15		All	3600	699580	
									81					
									88					
									90					
0165	121332	699443	121332	0036					15		All	3600	699579	
									88					
									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
0168	121332	699441	121332	0035					15 81 88 90 101		All	4250	699580	
0170	121312	699451	121312	0060					15 63 101		All	3800	699585	
0171	121312	699451	121312	0260					15 63 101		All	3800	699585	
0175	121312	699447	121312	0026					15 48 88		All	3750		
0176	121312	699447	121312	0026	1	694171	1	692550	15 48 81 88 90		All	3750		
					1	699478	1	699818						
0177	121312	699447	121312	0026	1	694171	1	692550	15 81 88 90		All	3150		
0183	121312	699451	121312	0060					15 81 88 101		All	3300	699585	
0184	121332	699442	121332	0033					15 81 88 90		All	3800		
0186	121332	699443	121332	0036					15 88 90		All	3600	699579	
0187	121332	699441	121332	0035					15 88 90		All	4000	699580	
0190	121332	699443	121332	0036					15 88 90 101		All	3600	699579	
0191	121352	699444	121352	0049					15 88 90 115 119		All	3600	699583	
0192	121332	699451	121332	0036	1	692571	1	693206	15 90 101	0192	All	4000		
					1	699443	1	699451						
0193	121332	699442	121332	0033					15		All	3750		
0194	121302	699445	121332	0036					15 81 88		All	3200	699582	
0196	121337	699443	121337	0050					15 88 90		All	3600	699584	
0197	121332	699443	121332	0036					15 88		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
0198	121332	699451	121332	0236	1	699443	1	691451	15 88 101	0198	All	3600		
0201	121312	699445	121312	0023					15 81 101		All	3200	699582	
0202	121332	699442	121332	0033					15 48 88		All	3750		
0206	121312	699445	121312	0023					15		All	3600	699582	
0209	121312	699447	121312	0026	1	693206	1	692571	15 48 88 90		All	3150		
0210	121312	699447	121312	0026	1	693206	1	692571	15 88 90		All	3150		
0211	121332	699442	121332	0033					15 48 88 90		All	3750		
0212	121312	699447	121312	0026					15 88 90 97		All	3750		
0213	121312	699447	121312	0026	1	693206	1	692571	15 88 90		All	3150		
0214	121312	699451	121312	0060					15 88 90 101		All	3600	699585	
0216	121302	699445	123332	0236					15 81 88		All	3200	699582	
0218	121352	699444	121352	0049					15 88 115		All	3600	699583	
0219	121312	699447	121312	0026					15 48 118		All	3750		
0220	121332	699442	121332	0033					15 48 88 90 118		All	3750		
0223	121312	699445	STD.						15		All	3800	699582	
0224	121312	699447	121332	0033	1	693206	1	692571	15 88 90		All	3150		
0225	121332	699443	121332	0036					15 101		All	3800	699579	
0233	121332	699442	STD.						15		All	3750		
0235	121332	699441	STD.						15		All	4000	699580	
0236	121332	699443	STD.						15		All	3600	699579	
0240	121332	699442	121332	0033	1	693206	1	692571	15 88 90		All	3150		

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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
0241	121332	699442	121332	0033					15 88 90		All	3800		
0242	121332	699443	121332	0036					15 88 90		All	3600	699579	
0243	121332	699441	121332	0035					15 88 90		All	3600	699580	
0247	121317	699449	121337	0250	1	699443	1	699449	15		All	3600		
0248	121312	699447	121312	0026					15 48 90 118		All	3750		
0250	121337	699443	STD.						15		All	3600	699584	
0251	121332	699443	121332	0036					15 88 101		All	3600	699584	
0260	121312	699451	STD.						15		All	3800	699585	
0261	121332	699453	121332	0035	1	699441	1	699453	15 88 90 101		All	4250		
0265	121332	699443	121332	0036					15 81 88 90 101		All	3200	699579	
0269	121312	699449	121312	0223	1	699445	1	699449	15		All	3600		
0270	121332	699443	121332	0036					15 81 88		All	3000	699579	
0271	121312	699447	121312	0026					15 88 90 97		All	3750		
0280	121312	699452	121312	0145			1	692586	15 88		All	3600	699581	
0281	121302	699445	121312	0023	1	699478	1	699818	15 88		All	3600	699582	
0322	121312	699452	STD.						15		All	3600	699581	
0326	121312	699449	121A12	0022					15 63 88		All	3600		
0353	121302	699445	123332	0036					15 81 88		All	3200	699582	
0401	121312	699449	121A12	0022					15 88 101		All	3600		