

**110400 to 110499**

**SERVICE ENGINE**



**SALES MANUAL**

**MODEL 110400 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 22:** If the gear reduction parts are suitable for additional service, use model 121412 type no. 0014 and transfer the reduction parts from the original 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.
- NOTE 115:** Gear Red. @ 9 o'clock.

**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:

**110400 to 110499**

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	110412	693797	126312	0023					15		All	3800	699582	
0035	110432	693796	126332	0035					15		All	4000	699580	
0036	110432	693802	126332	0036					15		All	3600	699579	
0037	110432	693802	123332	0036					15		All	3600	699579	
0038	110412		121312	0026					15		All	3750		
0043	110412	693797	126312	0023					15		All	3600	699582	
									101					
0045	110432	693796	126332	0035					15		All	4000	699580	
									90					
0049	110452	693803	126352	0049					15		All	3600	699583	
0051	110417	693797	121337	0050					15		All	3600	699584	
0060	110412	694463	126312	0060					15		All	3600	699585	
0064	110432	693802	126332	0036					15		All	3600	699579	
0070	110492	693797	126392	0070					15		All	3600	699586	
0075	110437	693802	121337	0050					15		All	3600	699584	
0108	110432	693802	121332	0036					15		All	3600	699579	
0109	110402	693797	126332	0036					15		All	3600	699579	
0110	110412	693797	126312	0023					15		All	3600	699582	
0111	110452	693803	126352	0049					15		All	3600		
									22					
									115					

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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
0112	110417	694463	121337	0050	1	692517	1	693204	15		All	3800		
						1	693403	1	695763					
						1	693605							
0113	110452	693803	126352	0049					15		All	3600	699583	
									17					
									22					
0114	110412	693797	126312	0023					15		All	3200	699582	
0115	110412	696227	121312	0026					15		All	3150		
									81					
0116	110412	693797	126312	0023					15		All	3200	699582	
									88					
0117	110492	693797	126392	0070	1	694831	1	695285	15		All	3100		
									81					
									88					
0119	110432	693802	126332	0036					15		All	3600	699579	
0120	110432	693802	126332	0036					15		All	3600	699579	
0121	110432	693802	121332	0036					15		All	3600	699579	
0122	110412	693797	121312	0023					15		All	3600	699582	
0123	110492	693797	126392	0070					15		All	3600	699586	
0124	110412	693799	121312	0026					15		All	3150		
									81					
									88					
0125	110412	693797	126312	0023					15		All	3600	699582	
0126	110492	693797	126392	0070					15		All	3600	699586	
									88					
									90					
0127	110412	693797	121312	0023					15		All	3600	699582	
0128	110412	693797	126312	0023					15		All	2800	699582	
									96					
0129	110412	693799	121312	0026					15		All	3150		
									81					
0130	110412	694463	126312	0060					15		All	3600	699585	
									101					
0132	110412	693799	121312	0026					15		All	3750		
0133	110412	693797	126312	0023					15		All	3600	699582	
0134	110412	693797	126312	0023					15		All	3600	699582	
0135	110412	693797	126312	0023					15		All	3300	699582	
0136	110412	693797	126312	0023					15		All	3600	699582	
0138	110412	693797	126312	0023					15		All	3600	699582	
0140	110432	693802	121332	0036					15		All	3600	699579	
0142	110432	693802	121332	0036					15		All	3600	699579	
0144	110412	693797	126312	0023					15		All	3600	699582	
0145	110412	693797	121312	0023					15		All	3600	699582	
0146	110417	693797	STD.						15		All	3600		
0147	110417	693797	110417	0146					15		All	3600		
									96					
0148	110412	694463	126312	0060					15		All	4000	699585	
									88					
0149	110432	694113	126332	0036	1	693403	1	693595	15		All	3600		
0151	110432	693796	126332	0035					15		All	4000	699580	
0152	110412	693797	126312	0023					15		All	2900	699582	
0153	110412	693797	126312	0023					15		All	3600	699582	
0154	110412	693797	126312	0023					15		All	3600	699582	
0155	110412	693797	121312	0023					15		All	3600	699582	
0156	110417	693797	110417	0146					15		All	3600		
0157	110432	693796	121332	0035					15		All	4000	699580	
0158	110412		121312	0145					15		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
0159	110412	694463	126312	0060					15 97		All	4000		
0161	110402		126332	0036	1	693403	1	693595	15		All	3600		
0162	110432	693802	126332	0036					15 97		All	3600	699579	
0163	110412	694463	126312	0060					15		All	3700	699585	
0164	110437	693802	121337	0050					15 97		All	3600	699584	
0165	110492	693797	126392	0070					15		All	3600	699586	
0166	110432	693796	126332	0035					15		All	4250	699580	
0167	110492	693797	126392	0070					15		All	3400	699586	
0168	110417	693747	110417	0146					15		All	3600		
0169	110437	693802	121337	0050					15		All	3600	699584	
0170	110412	693787	126312	0023					15		All	3400	699582	
0171	110437	693802	121337	0050					15		All	3600	699584	
0172	110492	693797	126392	0070					15		All	3600	699586	
0173	110412	693797	126312	0023					15		All	3600	699582	
0174	110412	693799	121312	0026					15 81		All	3150		
0175	110412	693797	126312	0023					15 97		All	3600	699582	
0176	110432	693802	126332	0036					15		All	3600	699579	
0177	110412	693799	121312	0026					15 81		All	3150		
0178	110402	693797	126332	0036					15		All	3200		
0179	110432	693802	126332	0036					15		All	3300		
0180	110402	693797	126332	0036					15		All	3600	699579	
0182	110402	693797	126332	0036					15		All	3300	699579	
0183	110412	693797	126312	0023					15		All	3600	699582	
0184	110492	693797	126392	0070					15		All	3800	699586	
0185	110492	693797	126392	0070					15		All	3400	688586	
0186	110412	693797	121312	0023					15		All	3600	699582	
0187	110412	693797	126312	0023					15 88		All	3600	699582	
0188	110412	693797	126312	0023					15		All	3600	699582	
0189	110492	693797	126392	0070	1	694831	1	695285	15		All	3400		
0190	110412	694463	126312	0060					15		All	3600	699585	
0191	110402	694463	126312	0060	1	693204	1	694466	15		All	3700		
0192	110412	694463	126312	0060					15		All	3600	699585	
0193	110412	694463	126312	0060					15 101		All	3300	699585	
0194	110492	693797	126392	0070	1	694831	1	695285	15 88 101		All	3400		
0195	110412	693797	126312	0023					15 101		All	3600	699582	
0196	110492	693797	126392	0070	1	694831	1	695285	15 88		All	3100		
0197	110412	693797	126312	0023					15 101		All	3600	699582	
0198	110432	693802	126332	0036					15		All	3800	699579	
0199	110492	693797	126392	0070					15 101		All	3400	699586	
0200	110412	694463	126312	0060					15		All	3600	699585	
0201	110492	693797	126392	0070	1	694831	1	695285	15 81		All	3000		

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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
0202	110432	693802	126332	0036					15 88		All	3600	699579	
0203	110412	693797	126312	0023					15 88		All	3400	699582	
0204	110492	693797	126392	0070	1	694831	1	695285	15 88		All	3600		
0205	110432	693802	123332	0036					15		All	3600	699579	
0206	110402	693802	126332	0036					15		All	3200	699579	
0207	110412	694463	126312	0060					15 88		All	3600	699585	
0208	110492	693797	126392	0070					15		All	3600	699586	
0209	110492	693797	126392	0070					15 88		All	3600	699586	
0210	110412	693797	126312	0023					15 101		All	3600	699582	
0211	110412	693797	126312	0023					15		All	3600	699582	
0212	110412	694463	126312	0060					15		All	3800	699585	
0213	110432	693802	126332	0036					15		All	3600	699579	
0214	110412	693799	121312	0026					15		All	3750		
0215	110432	693802	126332	0036					15		All	3600	699579	
0216	110402	694113	126332	0036	1	693403	1	695763	15		All	3600		
0217	110412	694462	121312	0145					15		All	3500		
0218	110402	694462	121312	0145	1	693204	1	694466	15		All	3500		
0219	110415	693797	121337	0050					15		All	3600	699584	
0220	110432	693802	126332	0036					15 90 101		All	3600	699579	
0221	110492	693797	126392	0070					15		All	3400	699586	
0223	110412	693799	121312	0026					15 81		All	3150		
0224	110432	693796	126332	0035					15		All	3600	699580	