

185400 to 185499

SERVICE ENGINE  **SALES MANUAL**

**MODEL 185400 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 48:** Remove Fuel Tank Assembly from replacement engine.
- NOTE 71:** Transfer Electromagnetic Idle Down Assembly to replacement engine.
- NOTE 77:** Transfer Fuel Pump and related parts 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 96:** Transfer the Air Cleaner Assembly and related parts 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:

185400 to 185499

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
0035	185432	715098	185432	0235					15		All	3600	497639	
0037	185432	715098	185432	0235					15 48 88		01	3600	497639	
0038	185432	715098	185432	0235					15 42		All	3600	497639	
0039	185437	715098	185437	0284					15		All	3600	497642	
0040	185437	715098	185437	0284					15 71		01	3600	497642	
0041	185432	715101	185432	0270					15 48 88		01	3800	497640	
0042	185432	715101	185432	0270					15 48 71 88		01	3800	497640	
0043	185437	715100	185437	0284	1	715098	1	715100	15		01	3600		
0044	185437	715098	185437	0284					15		01	3600	497642	
0045	185467	715103	No Replacement Repair With Individual Parts.						15 42					
0046	185432	715098	185432	0246					15		01	3600	497639	
0047	185432	715100	185432	0247					15		All	3600	497641	
0049	185437	715101	185437	0284	1	715098	1	715101	15 48	0049	01	3800		

185400 to 185499

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
0050	185432	715100	185432	0247					15 96		01	3600	497641	
0051	185432	715101	185432	0270	1	710256	1	710284	15 96		01	3150	497640	
0053	185432	715351	185432	0246	1	715098	1	715351	15		01	3600		
0058	185432	715102	185432	0270	1	715101	1	715102	15	0058	01	3150		
0059	185437	715098	185437	0284					15 77		01	3600	497642	
0060	185436	715098	185437	0284					15 71		01	3600	497642	
0061	185436	715098	185437	0284					15 71		01	3600	497642	
0070	185432	715101	185432	0270					15		01 02	3750 3150	497640	
0071	185432	715101	185432	0270					15 48		01 02	3750 3150	497640	
0072	185462	715103	No Replacement Repair With Individual Parts.						15		01	3600		
0074	185437	715101	185437	0284	1	715098	1	715101	15	0074	01	3800		
0075	185437	715101	185437	0284	1	715098	1	715101	15 48		01	3800		
0076	185437	715098	185437	0284					15		01	3600	497642	
0077	185437	715101	185437	0284	1	715098	1	715101	15 48 88		01	3800		
0078	185432	715101	185432	0270	1	710256	1	710284	15 48		01 02	3150 3150	497640	
0079	185432	715101	185432	0270	1	710256	1	710284	15 48		01	3150	497640	
0080	185437	715101	185437	0284	1	710258	1	710284	15	0080	01 02	3150 3150		
0081	185437	715101	185437	0284	1	710258	1	710284	15 48	0081	01	3150		
0082	185437	715101	185437	0284	1	710258	1	710284	15 48 88	0082	01	3150		
0083	185432	715101	185432	0270	1	710256	1	710284	15 71		01	3150	497640	
0084	185437	715098	185432	0284					15		01	3600	497642	
0085	185437	715101	185437	0284	1	710258	1	710284	15		01	3150		
0086	185437	715098	185437	0284					15		01	3600	497642	
0087	185437	715098	185437	0284					15		01	3600	497642	
0088	185432	715101	185432	0270					15		01	3600	497640	
0090	185432	715101	185432	0270	1	710256	1	710284	15		01 02	3150 3150	497640	
0099	185430	715098	No Replacement Repair With Individual Parts.						15					
0100	185432	715101	185432	0270	1	710256	1	710284	15		01	3150	497640	
0101	185432	715101	185432	0270	1	710256	1	710284	15 48 88		01	3150	497640	
0103	185432	715101	185432	0270	1	710256	1	710284	15 77		01	3150	497640	
0106	185432	715396	185432	0035	1	710258	1	710256	15	0106	01	4250		
0107	185432	715101	185432	0270	1	710256	1	710284	15		01	3150	497640	
0108	185437	715098	185437	0284					15		01	3600	497642	
0110	185436	715101							15					

185400 to 185499

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
0111	185432	715101	185432	0270	1	710256	1	710284	15		01	3150	497640	
0112	185437	715396	185437	0084	1	710258	1	710256	15	0112	01	4250		
					1	715098	1	715396						
0113	185437	715098	185437	0284					15		E1	3600	497642	
0114	185432	715101	185432	0270	1	710256	1	710258	15		01	3600	497640	
0115	185437	715098	185437	0284					15		01	3600		
0116	185437	715098	185437	0284					15		01	3600	497642	
0117	185432	715101	185432	0270	1	710256	1	710284	15		01	3150	497640	
									48					
									71					
									88					
0118	185432	715101	185432	0270	1	710256	1	710284	15		01	3150	497640	
									48					
									88					
0119	185432	715101	185432	0270	1	710256	1	710284	15			3150	497640	
									48					
0121	185432	715101	185432	0270	1	710256	1	710284	15		01	3150	497640	
									48					
									88					
0122	185432	715101	185432	0270	1	710256	1	710284	15		01	3150	497640	
									96					
0123	185432	715101	185432	0270	1	710256	1	710284	15		01	3150	497640	
									48					
									88					
									96					
0127	185462	715103	No Replacement Repair With Individual Parts.						15		01	3600		
0136	185436	715098	185437	0284					15		01	3600	497642	
									41					
0141	185432	715098	185432	0246					15		01	3600	497639	
0145	185436	715098	185437	0284					15		01	3600	497642	
0235	185432	715098	STD.						15		A1	3600	497639	
											E1	3600		
0238	185432	715235	No Replacement Repair With Individual Parts.						15		All	3600		
0239	185432	715235	No Replacement Repair With Individual Parts.						15		All	3600		
0242	185432	715101	STD.						15		A1	3800	497640	
											E1	3800		
0246	185432	715098	STD.						15		A1	3600	497639	
											E1	3600		
0247	185432	715100	STD.						15		A1	3600	497641	
											E1	3600		
0251	185432	715236	185432	0270	1	710256	1	710284	15		E1	3150	497640	
0254	185437	715236	185437	0284	1	715098	1	715236	15		E1	3150		
									96					
0255	185437	715236	185437	0284	1	715098	1	715236	15		All	3150		
									81					
0258	185432	715102	185432	0270	1	715236	1	715102	15	0258	E1	3150		
					1	719256	1	715236						
0259	185437	715098	185437	0284					15		E1	3600	497642	
									77					
0264	185437	715101	185437	0284	1	715098	1	715101	15	0264	A1	3800		
									48					
									71					
									88					
0270	185432	715236	STD.						15		A1	3800	497640	
0271	185432	715101	185432	0070					15		A1	3800	497640	
									48					
0272	185462	715103	No Replacement Repair With Individual Parts.						15		E1	3600		

185400 to 185499

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	
0273	185432	715235	185432	0235					15		E1	3600	497639		
0274	185437	715236	185437	0284	1	715235	1	715236	15	0274	A1	3800			
0275	185437	715236	185437	0284	1	715235	1	715236	15	0275	A1	3800			
									48						
0276	185437	715235	185432	0284					15		E1	3600	497642		
0280	185437	715101	185437	0284	1	710258	1	710284	15	0280	E1	3150			
						1	715235	1	715101						
0281	185437	715101	185437	0284	1	710258	1	710284	15	0281	E1	3150			
						1	715235	1	715101						
0284	185437	715098	STD.						15		A1	3600	497642		
											E1	3600			
0290	185432	715236	185432	0270	1	710256	1	710284	15		E1	3150	497640		
0293	185432	715101	185432	0242					15		A1	3800	497640		
									88		E1	3800			
0295	185437	715236	185437	0284	1	710256	1	710284	15	0295	E1	3150			
						1	715098	1	715236						
									96						
0297	185432	715237	185432	0247					15		E1	3600	497641		
0298	185437	715236	185437	0284	1	715235	1	715236	15	0298	A1	3800			
									48						
									71						
0299	185430	715235	No Replacement Repair With Individual Parts.						15						
0301	185432	715129	No Replacement Repair With Short Block and/or Individual Parts								All	3600	497639		
0302	185432	711590	No Replacement Repair With Individual Parts.						15		All	3600			
0303	185437	711590	No Replacement Repair With Individual Parts.						15		All	3600			
0399	185430	715235	No Replacement Repair With Individual Parts.						15						
0512	185437	715396	185432	0284	1	710258	1	710256	15	0512	E1	4250			
						1	715235	1	715236						
0513	185437	715235	185437	0284					15		E1	3600	497642		
0527	185462	715103	No Replacement Repair With Individual Parts.						15		E1	3600			
0531	185462	715103	No Replacement Repair With Individual Parts.						15		E1	3600			
0532	185432	715235	185432	0235					15				497639		
0535	185432	715235	185432	0235					15		All	3600	497639		
0537	185432	715235	185432	0235					15		E1	3600	497639		
0538	185432	715098	185432	0235					15		A1	3600	497639		
									42		E1	3600			
0539	185437	715098	185437	0284					15		A1	3600	497642		
											E1	3600			
0541	185432	715235	185432	0235					15		E1	3600	497639		
0542	185462	715103	No Replacement Repair With Individual Parts.						15		E1	3600			
0543	185437	715237	185437	0284	1	715235	1	715237	15		e1	4250			
0545	185436	715098	185437	0284					15				497642		
0546	185432	715236	185432	0270					15		E1	3150	497640		
									48						
									88						
0547	185432	715236	185432	0270					15		All	3150	497640		
									48						
									81						
0548	185432	715098	185432	0235					15		E1	3600	497639		
									42						
									77						
0549	185462	715103	No Replacement Repair With Individual Parts.						15		E1	3600			
0550	185432	715235	185432	0235					15		E1	3600	497639		
0551	185432	715235	185432	0235					15		E1	3600	497639		
									48						
									88						

185400 to 185499

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
0552	185432	715236	185432	0270	1	710256	1	710284	15 96		E1	3150	497640	
0553	185432	715235	185432	0246					15		E1	3600	497639	
0554	185437	715235	185437	0284					15		E1	3600	497642	
0556	185462	715203	No Replacement Repair With Individual Parts.						15		E1	3600		
0557	185437	715236	185437	0284	1	710256	1	710284	15 48 88		E1	3150		
0559	185432	715235	185432	0235					15 48		E1	3600	497639	
0560	185432	715236	185432	0270	1	710256	1	710284	15 96		E1	3150	497640	
0562	185437	715235	185437	0284					15		All	3600	497642	
0563	185462	715103	No Replacement Repair With Individual Parts.						15		E1	3600		
0564	185432	715236	185432	0270					15		All	3750	497640	
0565	185432	715235	185432	0235					15 96		All	3600	497639	
0566	185462	715103	No Replacement Repair With Individual Parts.								All	3600		
0567	185432	715236	185432	0270					15 71		All	3800	497640	
0568	185432	715235	185432	0235					15		All	3600	497639	
0571	185432	715098	185432	0235					15 42		All	3700	497639	
0599	185430	715098	No Replacement Repair With Individual Parts.						15					
0602	185437	715235	185437	0284					15 48		E1	3600	497642	
0603	185432	715098	185432	0246					15		E1	3600	497639	
0604	185432	715236	185432	0242					15 88		E1	3800	497640	
0605	185432	715236	185432	0242					15 48 88 96		E1	3150	497640	
0606	185432	715101	185432	0242					15 48 88		E1	3800	497640	
0607	185436	715352	185437	0284	1	715235	1	715352	15		E1	3600		
0608	185465	715103	No Replacement Repair With Individual Parts.						15		E1	3600		
0609	185432	715236	185432	0270	1	710256	1	710284	15 48 96		E1	3150	497640	
0610	185432	715236	185432	0270					15 48		E1	3800	497640	
0611	185437	715236	185432	0270					15 41 48		E1	3800	497640	
0612	185432	715235	185432	0235					15		E1	3600	497639	
0613	185432	715236	185432	0270					15 48		E1	3800	497640	
0614	185432	715236	185432	0270					15 48		E1	3800	497640	
0615	185432	715236	185432	0270	1	710256	1	710284	15 48 88 96		E1	3150		
0616	185432	710751	185432	0235	1	715235	1	710751	15		E1	3600		
0617	185432	715352	185432	0235	1	715235	1	710352	15		E1	3600		
0618	185432	715236	185432	0270	1	710256	1	710284	15		E1	3150	497640	

185400 to 185499

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
0619	185436	715235	185437	0284					15 48		E1	3600	497642	
0620	185467	715103	No Replacement Repair With Individual Parts.						15		01	3600		
0621	185432	715236	185432	0270	1	710256	1	710284	15 48 88 96		E1	3150	497640	
0623	185437	715236	185437	0284	1	715235	1	715236	15 42 48 81		All	3150		
0624	185432	715236	185432	0242					15 81		All	3150	497640	
0625	185435	715236	185437	0284	1	715235	1	715236	15 48 88		All	3800		
0627	185432	715236	No Replacement Repair With Short Block and/or Individual Parts								All	3150	497640	
0628	185437	715236	185437	0284	1	715235	1	715236	15 42 48 81 88		All	3150		
0631	185462	715103	No Replacement Repair With Individual Parts.						15		All	3600		