

61300 to 61499

SERVICE ENGINE



SALES MANUAL

**MODEL 61300 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 34: If the replacement engine supersedes to or is a Model 90000 series engine, refer to the illustrations located after the conversion data for this model series. The overall dimensions which differ, are shown in the illustrations. If after making a visual inspection and it is determined the Model 93400 series engine cannot be used because of equipment interference, the original engine should be repaired with a short block and/or individual parts.

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:

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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
0110	61301	260272	93332	0040					15 34		All	3300		
0111	61302	260271	93332	0040					15 34		All	3300		
0112	61303	260272	93332	0040					15 34					
0113	61306	260271	No Replacement Repair With Individual Parts.						15					
0115	61311	260272	93312	0002					15 34		All	3300		
0116	61312	260271	93312	0002					15 34		All	3300		
0118	61316	260271	93312	0002					15 34					
0120	61331	260036	93332	0036					15 34		All	3300		
0121	61332	260103	93332	0036					15 34		All	3300		
0122	61333	260036	93332	0036					15 34					
0123	61336	260103	No Replacement Repair With Individual Parts.						15					
0125	61351	260043	93352	0049					15 34		All	3300		
0126	61352	260100	93352	0049					15 34		All	3300		
0127	61353	260043	93352	0049					15 34					
0128	61356	260100	No Replacement Repair With Individual Parts.						15					
0130	61392	260271	No Replacement Repair With Individual Parts.						15					
0131	61396	260271	No Replacement Repair With Individual Parts.						15					
0132	61401	260272	No Replacement Repair With Individual Parts.						15					

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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
0133	61402	260271	No Replacement Repair With Individual Parts.						15					
0134	61403	260272	No Replacement Repair With Individual Parts.						15					
0135	61406	260271	No Replacement Repair With Individual Parts.						15					
0136	61411	260272	No Replacement Repair With Individual Parts.						15					
0137	61412	260271	No Replacement Repair With Individual Parts.						15					
0138	61413	260272	No Replacement Repair With Individual Parts.						15					
0139	61416	260271	No Replacement Repair With Individual Parts.						15					
0140	61431	260036	No Replacement Repair With Individual Parts.						15					
0141	61432	260103	No Replacement Repair With Individual Parts.						15	All	3300			
0142	61433	260036	No Replacement Repair With Individual Parts.						15					
0143	61436	260103	No Replacement Repair With Individual Parts.						15					
0144	61451	260043	No Replacement Repair With Individual Parts.						15					
0145	61452	260100	No Replacement Repair With Individual Parts.						15					
0146	61453	260043	No Replacement Repair With Individual Parts.						15					
0147	61456	260100	No Replacement Repair With Individual Parts.						15					
0150	61331	260036	No Replacement Repair With Individual Parts.						15					
0151	61331	260036	93332	0036					15	All	3300			
									34					
0152	61332	260103	No Replacement Repair With Individual Parts.						15					
0153	61332	260103	93332	0036					15	All	3300			
									34					
0154	61432	260103	93332	0036					15	All	3300			
									34					
0155	61331	260037	93332	0040					15	All	3300			
									34					
0156	61331	260036	No Replacement Repair With Individual Parts.						15					
0157	61331	260493	No Replacement Repair With Individual Parts.						15	All	3300			
0158	61431	260039	No Replacement Repair With Individual Parts.						15	All	3600			
0159	61331	260037	93332	0040					15	All	3300			
									34					
0160	61331	260036	93332	0036					15	All	3300			
									34					
0161	61332	260116	93332	0040					15	All	3300			
									34					
0162	61331	260037	93332	0040					15	All	3300			
									34					
0163	61301	260272	93332	0040					15	All	4000			
									34					
0164	61302	260271	93332	0040					15	All	3300			
									34					
0165	61351	260043	93352	0049					15					
									34					
0166	61301	260272	93332	0040					15	All	3300			
									34					
0167	61331	260037	93332	0040					15	All	3300			
									34					
0168	61431	260039	No Replacement Repair With Individual Parts.						15					
0169	61352	260100	93352	0049					15	All	3300			
									34					
0170	61331	260037	93332	0040					15	All	3300			
									34					
0171	61431	260039	No Replacement Repair With Individual Parts.						15	All	3300			
0172	61332	260116	93332	0040					15	All	3300			
									34					
0173	61431	260116	No Replacement Repair With Individual Parts.						15	All	3300			
0174	61431	260039	No Replacement Repair With Individual Parts.						15	All	3600			
0175	61332	260495	No Replacement Repair With Individual Parts.						15	All	3300			

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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
0176	61332	260103	93332	0036					15 34		All	3600		
0177	61301	260272	93332	0040					15 34		All	3000		
0178	61431	260037	No Replacement Repair With Individual Parts.						15					
0179	61331	260037	93332	0040					15 34		All	3300		
0180	61352	260100	93352	0049					15 34		All	3300		
0181	61331	260116	93332	0040					15 34		All	3300		
0182	61331	260036	93332	0036					15 34		All	3300		
0183	61331	260036	93332	0036					15 34		All	3300		
942510	61301	260272	93332	0040					15 34					
942511	61302	260271	93332	0040					15 34					
942512	61303	260272	93332	0040					15 34					
942513	61311	260272	93312	0002					15 34					
942514	61312	260271	93312	0002					15 34					
942515	61331	260036	93332	0036					15 34					
942516	61332	260103	93332	0036					15 34					
942517	61351	260043	93352	0049					15 34					
942518	61352	260100	93352	0049					15 34					
942519	61401	260272	No Replacement Repair With Individual Parts.						15					
942520	61402	260271	No Replacement Repair With Individual Parts.						15					
942521	61431	260036	No Replacement Repair With Individual Parts.						15					
942522	61432	260103	93332	0035					15 34					
942523	61302	260271	93332	0040					15 34		All	4000		
942524	61302	260271	93332	0040					15 34		All	4000		
942525	61301	260272	93332	0040					15 34		All	4000		
942526	61352	260100	No Replacement Repair With Individual Parts.						15					
942527	61302	260271	93332	0040					15 34		All	4000		
942528	61301	260272	93332	0040					15 34		All	4000		
942529	61301	260272	93332	0040					15 34					
942530	61302	260271	93332	0040					15 34					
942531	61301	260272	93332	0040					15 34		All	4000		
942532	61332	260103	93332	0036					15 34					

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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
942533	61352	260100	93352	0049					15 34		All	4000		
942534	61301	260272	93332	0040					15 34		All	4000		
942535	61302	260271	93332	0040					15 34					
942536	61331	260037	93332	0040					15 34		All	4000		
942537	61331	260037	93332	0040					15 34					
942538	61351	260043	93352	0049					15 34		All	3200		
942539	61331	260196	No Replacement Repair With Individual Parts.						15					
942540	61331	260037	93332	0040					15 34					
942541	61332	260495	No Replacement Repair With Individual Parts.						15					
942542	61302	260271	93332	0040					15 34		All	4000		
942543	61331	260036	93332	0036					15 34		All	3600		
942544	61331	260036	93332	0036					15 34		All	3600		
942545	61302	260271	93332	0040					15 34		All	4000		
942546	61332	260116	93332	0040					15 34					
942547	61302	260271	93332	0040					15 34					
942548	61302	260271	93332	0040					15 34		All	3200		
942549	61302	260271	93332	0040					15 34		All	4000		
942550	61302	260271	93332	0040					15 34		All	4000		
942551	61302	260271	93332	0040					15 34		All	4000		
942552	61302	260271	93332	0040					15 34		All	4000		
942553	61332	260494	No Replacement Repair With Individual Parts.						15					
942554	61332	260103	93332	0036					15 34		All	3600		
942555	61331	260496	No Replacement Repair With Individual Parts.						15					
942556	61302	260271	93332	0040					15 34		All	2400		
942557	61331	260037	No Replacement Repair With Individual Parts.						15					
942558	61331	260037	93332	0040					15 34		All	4000		
942559	61302	260271	No Replacement Repair With Individual Parts.						15					
942560	61302	260271	No Replacement Repair With Individual Parts.						15					
942561	61302	260271	93332	0036					15 34					
942562	61302	260271	93332	0040					15 34		All	2800		
942563	61302	260271	93332	0040					15 34		All	4000		
942564	61331	260036	No Replacement Repair With Individual Parts.						15					
942565	61331	260036	93332	0036					15 34					

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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
942566	61331	260037	93332	0040					15 34					
942567	61332	260103	93332	0036					15 34	All	3600			
942568	61331	260037	93332	0040					15 34					
942569	61331	260424	No Replacement Repair With Individual Parts.						15					
942570	61431	260039	No Replacement Repair With Individual Parts.						15					
942571	61351	260043	93352	0049					15 34					
942572	61332	260494	No Replacement Repair With Individual Parts.							All	3600			
942573	61301	260272	No Replacement Repair With Individual Parts.						15					
942574	61331	260037	93332	0040					15 34					
942575	61351	260043	93352	0049					15 34					
942576	61332	260103	93332	0036					15 34	All	4000			
942577	61332	260103	93332	0036					15 34	All	3600			
942578	61351	260043	93352	0049					15 34					
942579	61331	260037	93332	0040					15 34					
942580	61332	260103	93332	0036					15 34					
942581	61431	260037	No Replacement Repair With Individual Parts.						15	All	3600			
942582	61332	260494	No Replacement Repair With Individual Parts.						15	All	4000			
942583	61331	260493	No Replacement Repair With Individual Parts.							All	3600			
942584	61331	260528	No Replacement Repair With Individual Parts.						15					
942585	61352	260100	93352	0049					15 34	All	4000			
942586	61331	260036	93332	0036					15 34					
942587	61331	260037	93332	0040					15 34					
942588	61332	260116	93332	0040					15 34					
942589	61331	260036	93332	0036					15 34					
942590	61351	260043	93352	0049					15 34					
942591	61432	260037	No Replacement Repair With Individual Parts.						15					
942592	61332	260494	No Replacement Repair With Individual Parts.						15					
942593	61332	260494	No Replacement Repair With Individual Parts.						15					
942595	61306	260271	No Replacement Repair With Individual Parts.						15					
942596	61406	260271	No Replacement Repair With Individual Parts.						15					
942597	61336	260103	No Replacement Repair With Individual Parts.						15					
942598	61436	260103	No Replacement Repair With Individual Parts.						15					
942599	61356	260100	No Replacement Repair With Individual Parts.						15					
942600	61301	260272	93332	0040					15 34					
942601	61302	260271	93332	0040					15 34					
942602	61302	260271	93332	0040					15 34	All	2800			
942603	61302	260271	93332	0040					15 34	All	2800			

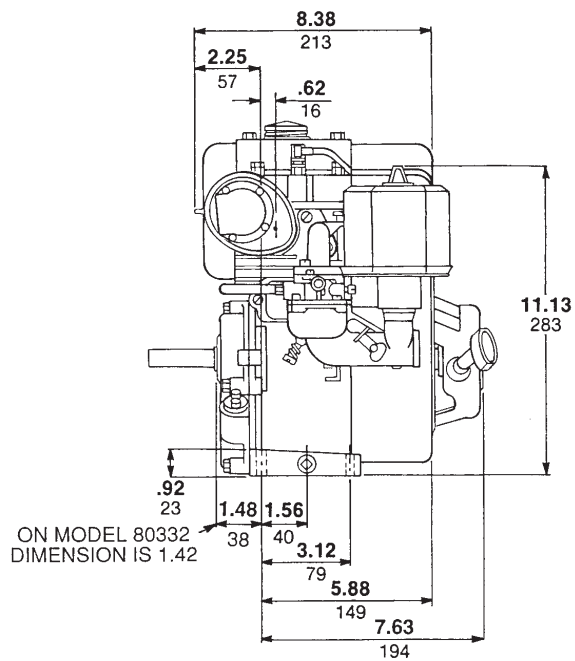
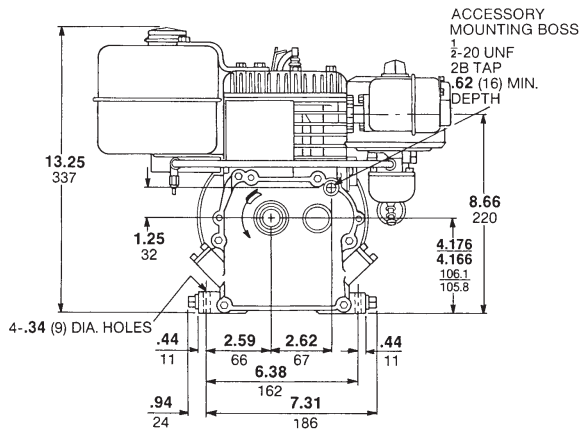
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Original Engine			Make From		Remove		Add		Note	Change to Type	Trim	RPM	Short Block	
Type	Model	Crank	Model	Type #	Qty	Part #	Qty	Part #					Part #	Notes
942604	61331	260493	No Replacement Repair With Individual Parts.						15					
942605	61351	260043	93352	0049					15					
									34					
942606	61352	260100	93352	0049					15					
									34					
942607	61431	260037	No Replacement Repair With Individual Parts.						15					
942608	61431	260039	No Replacement Repair With Individual Parts.						15					
942609	61431	260039	No Replacement Repair With Individual Parts.						15					
942610	61336	260116	93332	0040					15					
									34					
942611	61302	260271	93332	0040					15					
									34					
942612	61332	260116	93332	0040					15					
									34					
942613	61336	260116	93332	0040					15					
									34					
942614	61432	260116	No Replacement Repair With Individual Parts.						15					
942615	61432	260494	No Replacement Repair With Individual Parts.						15					
942616	61452	260100	No Replacement Repair With Individual Parts.						15					
942617	61332	260116	93332	0040					15	All	3600			
									34					
942618	61332	260494	No Replacement Repair With Individual Parts.						15	All	3300			
942619	61332	260116	93332	0040					15					
									34					
942620	61331	260037	93332	0040					15					
									34					
942621	61332	260116	93332	0040					15					
									34					
942622	61331	260180	No Replacement Repair With Individual Parts.						15					
942623	61352	260100	93352	0049					15					
									34					
942624	61301	260266	No Replacement Repair With Individual Parts.						15					
942625	61332	260494	No Replacement Repair With Individual Parts.						15					
942626	61331	260493	No Replacement Repair With Individual Parts.						15	All	3400			
942627	61351	260043	93352	0049					15					
									34					
942628	61432	260118	No Replacement Repair With Individual Parts.						15	All	3600			
942629	61402	260048	No Replacement Repair With Individual Parts.						15					
942630	61331	260493	No Replacement Repair With Individual Parts.						15					
942631	61331	260036	93332	0036					15					
									34					
942632	61332	260116	93332	0040					15	All	3900			
									34					
942633	61302	260271	93332	0040					15	All	3600			
									34					
942634	61302	260271	93332	0040					15					
									34					
942635	61302	260271	No Replacement Repair With Individual Parts.						15					
942636	61332	260103	No Replacement Repair With Individual Parts.						15					
942637	61331	260036	93332	0036					15					
									34					
942638	61431	260039	No Replacement Repair With Individual Parts.						15					
									34					
942639	61301	260272	93332	0040					15					
									34					
942640	61301	260272	93332	0040					15					
									34					

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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
942641	61332	260116	93332	0040					15 34					
942642	61431	260039	No Replacement Repair With Individual Parts.						15					
942643	61431	260039	No Replacement Repair With Individual Parts.						15					
942644	61431	260039	No Replacement Repair With Individual Parts.						15					
942645	61431	260265	No Replacement Repair With Individual Parts.						15					
942646	61302	260271	No Replacement Repair With Individual Parts.						15					
942647	61301	260271	No Replacement Repair With Individual Parts.						15					
942648	61331	260036	93332	0036					15 34					
942649	61331	260036	93332	0036					15 34					
942650	61306	260038	No Replacement Repair With Individual Parts.						15					
942651	61331	260493	No Replacement Repair With Individual Parts.						15					
942652	61331	260036	93332	0036					15 34					
942653	61331	260037	93332	0040					15 34					
942654	61301	260272	93332	0040					15 34	All	4000			
942655	61301	260272	93332	0040					15 34					
942656	61302	260271	No Replacement Repair With Individual Parts.						15					
942657	61331	260037	93332	0040					15 34					
942658	61352	260100	93352	0049					15 34					
942659	61301	260272	93332	0040					15 34					

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