

**294700 to 294799**

**SERVICE ENGINE**



**SALES MANUAL**

**MODEL 294700 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 72:** Transfer Exhaust Ducting and/or Muffler Assembly from original engine to replacement engine.
- NOTE 81:** Transfer Governor Spring to replacement engine.
- NOTE 94:** Transfer Static Guard from original engine to replacement engine.
- NOTE 108:** Transfer the Muffler and/or Spark Arrester Assembly from the original engine if suitable for additional service, or add new parts as required. In some cases it maybe necessary to transfer the Oil Filter Adapter to the replacement engine.
- NOTE 110:** Transfer the Rewind Starter 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:

**294700 to 294799**

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
0015	294777	807586	303777	1032					108		All	3600	494057	
0016	294777	807586	303777	1032					108		All	3600	494057	
									110					
0017	294777	807586	303777	1032					108		01	3600	494057	
0020	294772	807586	303772	1020					108		01	3600	494057	
0030	294777	807804	303777	1032	1	692159	1	692164	108		01	3300		
					1	805460	1	805462			02	3300		
0031	294777	807586	303777	1032	1	805460	1	805462	108		All	3400	494057	
0032	294777	807586	303777	1032	1	805460	1	805462	108		All	3250	494057	
0033	294777	807586	303777	1032					108		01	3600	494057	
											02	3250		
0035	294777	807586	303777	1032	1	805460	1	805462			01	3300	494057	
0108	294777	807586	303777	1032	1	805460	1	805462	108		01	3300	494057	
0109	294777	807586	303777	1032	1	805460	1	805462	108		01	3200	494057	
0110	294777	807586	303777	1032	1	805460	1	805462	108		01	3200	494057	
0111	294777	807586	303777	1032	1	805460	1	805462	108		01	3200	494057	
0112	294777	807586	303777	1032	1	805460	1	805462	108		01	3300	494057	
0113	294777	807586	303777	1032	1	805460	1	805462	108		01	3200	494057	
0114	294777	807586	303777	1032	1	805460	1	805462	72		01	3200	494057	
									108					
0115	294777	807586	303777	1032	1	805460	1	805462	108		01	3300	494057	
0116	294777	807586	303777	1032	1	805460	1	805463	72		01	3000	494057	
									108					
0117	294777	807586	303777	1032					108		01	3600	494057	
0118	294777	807804	303777	1032	1	692159	1	692164	108		01	3300		
					1	805462	1	805460						

294700 to 294799

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	294777	807586	303777	1032					108		01	3600	494057	
0316	294777	807586	303777	1032	1	805462	1	805460	108		01	3600	494057	
									110		02	3600		
0320	294772	807586	303772	1020					108		All	3600	494057	
0330	294777	807804	303777	1032	1	808415	1	692164	108		All	3300		
0331	294777	807586	303777	1032					108		All	3300	494057	
0332	294777	807586	303777	1032					108		01	3250	494057	
0333	294777	807586	303777	1032	1	805462	1	805460	108		All	3600	494057	
0334	294772	807586	303772	1020					108		All	3600	494057	
0335	294777	807586	303777	1032					108		All	3300	494057	
0410	294777	807586	303777	1032					72		01	3200	494057	
									108					
0411	294777	807586	303777	1032					108		01	3300	494057	
0412	294777	807586	303777	1032	1	805462	1	805460	108		01	3600	494057	
0413	294777	807586	303777	1032					72		01	3400	494057	
									108					
0414	294777	807586	303777	1032	1	805462	1	805460	108		01	3600	494057	
0415	294777	807586	303777	1032					108		01	3300	494057	
0416	294777	807586	303777	1032					108		01	3000	494057	
0417	294777	807586	303777	1032					108		All	3200	494057	
0418	294777	807586	303777	1032					108		01	3600	494057	
									110					
0419	294777	807586	303777	1032					108		01	3600	494057	
0420	294777	807586	303777	1032					108		01	3300	494057	
0429	294777	807804	303777	1032	1	808415	1	692164	108		01	3300		
0430	294777	807586	303777	1032					108		01	3600	494057	
									110					
0431	294777	807586	303777	1032					72		01	3400	494057	
									108					
0432	294776	807586	303777	1032					108		01	3300	494057	
									110					
0433	294777	807586	303777	1032					108		01	3400	494057	
0434	294772	807586	303772	1020					108		01	3500	494057	
0435	294777	807586	303777	1032					108		01	3300	494057	
1034	294772	807586	303772	1020					108		All	3600	494057	
1035	294777	807586	303777	1032					108		All	3300	494057	
1036	294776	807586	303777	1032					108		A1	3300	494057	
1110	294777	807586	303777	1032					72		A1	3200	494057	
									108					
1117	294777	807586	303777	1032					108		A2	3200	494057	
1118	294777	807586	303777	1032	1	805460	1	805462	108		A1	3600	494057	
1119	294777	807586	303777	1032	1	805460	1	805462	108		A1	3600	494057	
1120	294777	807586	303777	1032					108		A1	3300	494057	
1121	294777	807586	303777	1032					108		A1	3300	494057	
1122	294777	692159	303777	1032					81		All	3000	494057	
									94					
									108					
1124	294777	692159	303777	1032					81		All	3000	494057	
									94					
									108					
1125	294777	692159	303777	1032					94		All	3000	494057	
									108					
1130	294777	807586	303777	1032	1	805460	1	805462	108		A1	3600	494057	
1131	294777	807586	303777	1032					72		A1	3400	494057	
									108					

**294700 to 294799**

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
1132	294776	807586	303777	1032					108 110		A1	3300	494057	
1133	294777	807586	303777	1032	1	805460	1	805462	108		A1	3600	494057	
1134	294772	807586	303772	1020	1	805460	1	805462	108		A1	3500	494057	
1136	294772	807586	303772	1020	1	805460	1	805462	108		A1	3600	494057	
1137	294772	807586	303772	1020	1	805460	1	805462	108		A1	3500	494057	
1138	294772	807586	303772	1020	1	805460	1	805462	108		A1	3500	494057	
1140	294772	692159	303772	1020	1	805460	1	805462	108		E1	3500	494057	
1141	294776	692159	303772	1020					108		E1	3300	494057	
1142	294777	692159	303777	1032	1	805460	1	805462	108		E1	3600	494057	
1143	294775	692159	303777	1032	1	805460	1	805462	108		E1	3600	494057	
1144	294777	692159	303777	1032					108 110		E1	3300	494057	
1145	294777	692159	303777	1032					108		E1	3600	494057	
1146	294777	692159	303777	1032					108		E1	3300	494057	
1147	294772	692159	303772	1020					108		E1	3500	494057	
1148	294777	692159	303777	1032					81 108		E1	3600	494057	