

28N700 to 28N799

SERVICE ENGINE



SALES MANUAL

**MODEL 28N700 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 23:** If the original engine is equipped with a Six Pin Wiring Harness transfer to the replacement engine.
- NOTE 32:** If the replacement engine supersedes to or is a Model 280000 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 280000 series engine cannot be used because of equipment interference, the original engine should be repaired with a short block and/or individual parts.
- 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 64:** Transfer Alternator Assembly from original engine to replacement engine.
- NOTE 68:** Transfer Flywheel and Alternator Assembly from original to replacement engine.
- NOTE 77:** Transfer Fuel Pump and related parts from original engine 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 97:** Transfer the Blower Housing , Rewind Assembly and related parts from the original engine to 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:

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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
0026	28N707	495162	285H07	0026					32 88		All	3300	697761	
0108	28N707	495162	285H07	0026					32 88		All	3600	697761	
0109	28N707	495162	285H07	0026					32 41 88		All	3200	697761	
0110	28N707	495162	No Replacement Repair With Short Block and/or Individual Parts								All	3500	697761	
0111	28N707	495162	No Replacement Repair With Short Block and/or Individual Parts								All	3600	697761	
0112	28N707	495162	285H07	0026					32 64 88		All	3600	697761	
0113	28N707	495162	285H07	0026					32 88		All	3300	697761	
0114	28N707	495162	285H07	0026					32 88		All	3100	697761	
0115	28N707	495162	285H07	0026					32 88		All	3300	697761	
0117	28N707	495162	285H07	0026					32 88		All	3400	697761	
0119	28N777	495162	28CH77	0036					32 88		All	3300	697762	
0120	28N707	495162	285H07	0026					32 88		All	3400	697761	

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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
0121	28N707	495162	285H07	0026					32 88		All	3300	697761	
0122	28N707	495162	285H07	0026					32 88		All	3000	697761	
0126	28N707	495162	285H07	0026					32 64 88		All	3000	697761	
0127	28N707	495162	285H07	0026					32 64 88		All	3600	697761	
0128	28N707	495162	285H07	0026					32 88		All	3600	697761	
0129	28N707	495162	285H07	0026					32 64 88		All	3200	697761	
0130	28N777	495162	28CH77	0036					32 88		All	3400	697762	
0131	28N707	495162	285H07	0026					32 88		All	3300	697761	
0132	28N707	495162	285H07	0026					32 88		All	3400	697761	
0137	28N707	495162	285H07	0026					32 88		All	3300	697761	
0138	28N707	495162	285H07	0026					32 64 88		All	3200	697761	
0139	28N707	495162	285H07	0026					32 64 88		All	3000	697761	
0140	28N707	495162	285H07	0026					32 64		All	3600	697761	
0141	28N707	495162	285H07	0026					32 88		All	3400	697761	
0142	28N707	495162	285H07	0026					32 64 88		All	3300	697761	
0160	28N707	495162	285H07	0026					32 88		All	3300	697761	
0161	28N707	495162	285H07	0026					32 88		All	3300	697761	
0162	28N707	495162	285H07	0026					32 88		All	3300	697761	
0163	28N707	495162	285H07	0026					32 88		All	3600	697761	
0164	28N707	495162	285H07	0026					32 88		All	3300	697761	
0166	28N707	495162	285H07	0026					32 88		All	3300	697761	
0171	28N707	495162	285H07	0026					32 88		All	3300	697761	
0173	28N707	495162	285H07	0026					32 88		All	3300	697761	
0174	28N777	495162	28CH77	0036					32 88		All	3300	697762	
0177	28N707	495162	285H07	0026					32 88		All	3400	697761	
0181	28N707	495162	285H07	0026					32 64 88		All	3300	697761	

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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
0182	28N777	495162	285H77	0036					32 88		All	3300	697762	
0189	28N707	495162	285H07	0026					32 77 88		All	3000	697761	
0190	28N707	495162	285H07	0026					32 64 88		All	3300	697761	
0526	28N707	495162	285H07	0026					32 88		All	3300	697761	
0612	28N707	495162	285H07	0026					32 64 88		All	3600	697761	
0631	28N707	495162	285H07	0026					32 88		All	3300	697761	
0635	28N707	495162	285H07	0026					32 88		All	3300	697761	
0636	28N707	495162	285H07	0026					32 88		All	3300	697761	
0641	28N707	495162	285H07	0026					32 88		All	3300	697761	
0642	28N777	495162	28CH77	0036					32 88		All	3300	697762	
0666	28N707	495162	285H07	0026					32 88		All	3300	697761	
0682	28N777	495162	28CH77	0036					32 88		All	3300	697762	
1026	28N707	495162	285H07	0026					23 32 88		All	3300	697761	
1036	28N707	495162	285H07	0026					23 32 68 88		All	3300	697761	
1040	28N777	693944	28CH77	0036					23 32 68		All	3600	697762	
1115	28N707	495162	285H07	0026					23 32 88		All	3400	697761	
1116	28N707	693944	285H07	0026					23 32 88		All	3300	697761	
1118	28N707	693944	285H07	0026					23 32 88		All	3400	697761	
1119	28N707	693944	285H07	0026					32		All	2700	697761	
1120	28N707	693944	285H07	0026					23 32 88		All	3400	697761	
1121	28N707	693944	285H07	0026					23 32 88		All	3300	697761	
1128	28N707	495162	285H07	0026					23 32 88 97		All	3600	697761	

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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	
1129	28N707	495162	285H07	0026					23 32 64 88		All	3200	697761		
1130	28N777		28CH77	0036					23 32 88		All	3400	697762		
1131	28N707	495162	285H07	0026					23 32 88		All	3300	697761		
1132	28N707	693944	No Replacement Repair With Short Block and/or Individual Parts									All	3200	697761	
1135	28N707	495162	285H07	0026					23 32 88		All	3300	697761		
1136	28N707	693944	285H07	0026					23 32 88		All	3400	697761		
1138	28N707	495162	285H07	0026					23 32 64 88		All	3300	697761		
1139	28N707	495162	285H07	0026					23 32 64 88		All	3300	697761		
1142	28N707	495162	285H07	0026					23 32 64 88		All	3300	697761		
1143	28N777	495162	28CH77	0036					23 32 88		All	3300	697762		
1144	28N707	693944	285H07	0026					23 32 64 88		All	3300	697761		
1145	28N707	693944	285H07	0026					23 32 64 88		All	3300	697761		
1146	28N707	693944	285H07	0026					23 32 88		All	3300	697761		
1153	28N707	693944	285H07	0026					23 32 88		All	3300	697761		
1166	28N707	495162	285H07	0026					23 32 88		All	3300	697761		
1171	28N707	495162	285H07	0026					23 32 88		All	3300	697761		
1173	28N707	495162	285H07	0026					23 32 88		All	3300	697761		
1174	28N777		28CH77	0036					23 32 88		All	3300	697762		

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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	
1176	28N777		28CH77	0036					23 32 88		All	3300	697762		
1178	28N777	693944	28CH77	0036					23 32 88		All	3400	697762		
1181	28N707	495162	285H07	0026					23 32 64 88		All	3300	697761		
1189	28N707	495162	285H07	0026					23 32 88		All	3000	697761		
1190	28N707	495162	285H07	0026					23 32 64 88		All	3300	697761		
1191	28N707	495162	285H07	0026					23 32 64 88		All	2800	697761		
1192	28N707	495162	285H07	0026					23 32 88		All	3000	697761		
1193	28N707	495162	285H07	0026					23 32 88		All	3300	697761		
1194	28N777	694187	No Replacement Repair With Short Block and/or Individual Parts									All	3800	694267	
1195	28N707	693944	No Replacement Repair With Short Block and/or Individual Parts									All	3200	697761	
1196	28N707	693944	285H07	0026					23 32 64 88		All	3300	697761		
1197	28N777	690136	28CH77	0036					23 32 88		All	3000	697762		
1198	28N777	690136	28CH77	0036					23 32 88		All	3000	697762		
1199	28N707	693944	285H07	0026					23 32 88		All	3000	697761		
1200	28N707	693944	285H07	0026					23 32 88		All	3300	697761		
1201	28N707	693944	285H07	0026					23 32 88		All	3000	697761		
1202	28N777	694187	No Replacement Repair With Short Block and/or Individual Parts									All	3150	694267	
1203	28N707	693944	285H07	0026					23 32 88		All	3200	697761		
1204	28N707	693944	285H07	0026					23 32 88		All	3400	697761		
1205	28N707	690136	285H07	0026					23 32 88		All	3200	697761		

MODEL 28N700

MODEL 280000

