

28M700 to 28M799

SERVICE ENGINE  **SALES MANUAL**

**MODEL 28M700 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 33:** If the replacement engine supersedes to or is a Model 210000 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 210000 series engine cannot be used because of equipment interference, the original engine should be repaired with a short block and/or individual parts.
- NOTE 64:** Transfer Alternator Assembly from 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:

- NOTE R:** Cut off 1-7/16" on Flywheel end of Crankshaft.

28M700 to 28M799

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	28M707	495162	21B907	0026					33		All	3300	496606	R
0029	28M707	495162	21B907	0029					33		All	3300	496606	
0036	28M707	495162	No Replacement Repair With Short Block and/or Individual Parts								All	3300	496606	
0110	28M707	495162	21B907	0026					33		All	3100	496606	R
0111	28M707	495162	21B907	0026					33		All	2850	496606	R
0112	28M707	495162	21B907	0029					33		All	3500	496606	
0113	28M707	495162	21B907	0029					33		All	2900	496606	
0114	28M707	495162	21B907	0026					33		All	3100	496606	R
									64					
0115	28M707	495162	21B907	0026					33		All	3600	496606	R
									64					
0116	28M707	495162	21B907	0026					33		All	3400	496606	R
0118	28M707	495162	21B907	0026					33		All	3000	496606	R
									64					
0119	28M707	495162	21B907	0026					33		All	3600	496606	R
									64					
0120	28M707	495162	21B907	0026					33		All	3200	496606	R
									64					
0122	28M707	495162	21B907	0026					33		All	3300	496606	R
0123	28M707	495162	21B907	0026					33		All	3300	496606	R
0124	28M707	495162	21B907	0026					33		All	3400	496606	R
0125	28M707	495162	21B907	0026					33		All	3600	496606	R
									64					
0126	28M707	495162	21B907	0026					33		All	3400	496606	R
0127	28M707	495162	21B907	0026					33		All	3300	496606	R
0128	28M707	495162	21B907	0028					33		All	3250	496606	
0129	28M707	495162	21B907	0026					33		All	3600		
0130	28M707	495162	21B907	0026					33		All	3600	496606	

28M700 to 28M799

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
0131	28M707	495162	21B907	0026					33		All	3600	496606	R
0132	28M707	495162	21B907	0026					33		All	3400	496606	R
									64					
0133	28M707	495162	21B907	0028					33		All	3300	496606	
									64					
0134	28M707	495162	21B907	0028					33		All	3600	496606	R
0136	28M707	495162	21B907	0026					33		All	3300	496606	R
0137	28M707	495162	21B907	0026					33		All	3300	496606	R
0138	28M707	495162	21B907	0028					33		All	3600	496606	R
									64					
0139	28M707	495162	21B907	0028					33		All	3300	496606	R
0140	28M707	495162	21B907	0026					33		All	3400	496606	R
									64					
0142	28M707	495162	21B907	0026					33		All	3300	496606	R
0143	28M707	495162	21B907	0026					33		All	3300	496606	R
0146	28M707	495162	21B907	0026					33		All	3300	496606	R
0147	28M707	495162	21B907	0026					33		All	3600	496606	R
0148	28M707	495162	21B907	0026					33		All	3100	496606	R
									64					
0160	28M707	495162	21B907	0026					33		All	3600	496606	R
									64					
0165	28M707	495162	21B907	0026					33		All	3200	496606	
									64					
0178	28M707	495162	21B907	0026					33		All	3300	496606	R
0179	28M707	495162	21B907	0028					33		All	3600	496606	R
									64					
0180	28M707	495162	21B907	0026					33		All	3400	496606	R
0181	28M707	495162	21B907	0028					33		All	3600	496606	R
									64					
0526	28M707	495162	21B907	0026					33		All	3300	496606	R
0529	28M707	495162	21B907	0029					33		All	3300	496606	
0615	28M707	495162	21B907	0026					33		All	3600	496606	R
									64					
0619	28M707	495162	21B907	0026					33		All	3600	496606	R
									64					
0622	28M707	495162	21B907	0026					33		All	3300	496606	R
0628	28M707	495162	21B907	0029					33		All	3250		
0640	28M707	495162	21B907	0026					33		All	3400	496606	R
									64					
0647	28M707	495162	21B907	0026					33		All	3350	496606	R
0648	28M707	495162	21B907	0026					33		All	3300	496606	R
0660	28M707	495162	21B907	0026					33		All	3600	496606	R
									64					
1026	28M707	495162	21B907	0026					23		All	3300	496606	R
									33					
1029	28M707	495162	21B907	0029					23		All	3300	496606	
									33					
1031	28M706	495162	21B907	0029					23		All	3400	496606	
									33					
									64					
1036	28M707	495162	No Replacement Repair With Short Block and/or Individual Parts								All	3300	496606	R
1039	28M707	495162	No Replacement Repair With Short Block and/or Individual Parts								All	3300	496606	
1040	28M707	495162	21B907	0028					23		All	3400	496606	
									33					
									64					
1120	28M707	495162	21B907	0026					23		All	3300	496606	R
									33					
1121	28M707	495162	No Replacement Repair With Short Block and/or Individual Parts								All	3300	496606	R

28M700 to 28M799

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
1122	28M707	495162	21B907	0026					23 33		All	3300	496606	R
1123	28M707	495162	21B907	0026					23 33		All	3400	496606	R
1124	28M707	495162	21B907	0026					23 33		All	3400	496606	R
1125	28M707	693944	21B907	0026					23 33		All	3000	496606	R
1126	28M707	693944	21B907	0026					23 33 64		All	2800	496606	R
1127	28M707	495162	21B907	0026					33		All	2600	496606	R
1128	28M707	495162	21B907	0029					23 33		All	3250	496606	
1129	28M707	495162	21B907	0026					23 33		All	3600	496606	R
1130	28M707	495162	21B907	0026					23 33		All	3600	496606	R
1131	28M707	498971	21B907	0026					23 33 64		All	3250	496606	R
1132	28M707	495162	21B907	0026					23 33 64		All	3400	496606	R
1133	28M707	495162	21B907	0028					23 33 64		All	3300	496606	
1134	28M707	495162	21B907	0028					23 33		All	3600	496606	
1135	28M707	693944	21B907	0028					23 33 64		All	3300	496606	R
1136	28M707	495162	21B907	0026					23 33		All	3300	496606	R
1137	28M707	693944	21B907	0026					23 33		All	3300	496606	R
1139	28M707	495162	21B907	0026					23 33 64		All	3100	496606	R
1140	28M707	495162	21B907	0026					23 33 64		All	3200	496606	R
1141	28M707	495162	21B907	0028					23 33 64		All	3300	496606	R
1142	28M707	693944	21B907	0026					23 33 64		All	3200	496606	R
1143	28M707	495162	21B907	0026					23 33		All	2600	496606	R
1147	28M707	495162	21B907	0026					23 33		All	3350	496606	R
1148	28M707	495162	21B907	0026					23 33 64		All	3100	496606	R
1149	28M707	495162	21B907	0028					23 33		All	3300	496606	R
1150	28M707	495162	21B907	0026					23 33		All	3200	496606	R

28M700 to 28M799

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
1151	28M707	495162	No Replacement Repair With Short Block and/or Individual Parts							All	3300	496606	R	
1152	28M707	693944	21B907	0026					23 33		All	2900	496606	R
1160	28M707	495162	21B907	0026					23 33 64		All	3600	496606	R
1161	28M707	495162	21B907	0026					23 33		All	3300	496606	R
1162	28M707	495162	21B907	0026					23 33		All	3350	496606	R
1166	28M707	495162	21B907	0029					23 33		All	3500	496606	
1167	28M707	495162	21B907	0026					33		All	3300	496606	R
1178	28M707	495162	21B907	0026					23 33		All	3300	496606	R
1179	28M707	495162	21B907	0028					23 33 64		All	3600	496606	R
1180	28M707	495162	21B907	0026					23 33		All	3400	496606	R
1182	28M707	495162	21B907	0026					23 33		All	3300	496606	R
1183	28M707	495162	21B907	0026					23 33 64		All	3000	496606	R
1184	28M707	495162	21B907	0028					23 33		All	3600	496606	R
1185	28M707	495162	21B907	0028					23 33		All	3600	496606	R
1186	28M707	495162	21B907	0026					23 33 64		All	3400	496606	R
1187	28M707	495162	21B907	0026					23 33 64		All	2800	496606	R
1188	28M702	495162	21B907	0028					23 33		All	3300	496606	R
1189	28M707	495162	21B907	0029					23 33		All	3600	496606	R
1190	28M707	495162	21B907	0026					23 33		All	3300	496606	R
1191	28M707	495162	21B907	0026					23 33 64		All	3600	496606	R
1192	28M707	495162	21B907	0026					23 33 64		All	3600	496606	R
1193	28M707	495162	21B907	0026					23 33		All	3200	496606	R
1194	28M707	693944	21B907	0026					23 33 64		All	3000	496606	R
1195	28M707	495162	21B907	0026					23 33		All	3600	496606	R

MODEL 28M700

MODEL 210000

