

**402700 to 402799****SERVICE ENGINE****SALES MANUAL****MODEL 402700 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:****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:

**402700 to 402799**

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
0010	402707	393382	No Replacement Repair With Individual Parts.								01	3600		
0011	402707	393523	No Replacement Repair With Individual Parts.								01	3100		
0015	402707	393382	No Replacement Repair With Individual Parts.								All	3600		
0016	402707	393523	No Replacement Repair With Individual Parts.								All	3600		
0109	402707	393382	No Replacement Repair With Individual Parts.											
0111	402707	393382	No Replacement Repair With Individual Parts.								01	3600		
0130	402707	393382	No Replacement Repair With Individual Parts.								01	3400		
											02	3400		
											03	3300		
0131	402707	393382	No Replacement Repair With Individual Parts.								All	3400		
0132	402707	393382	No Replacement Repair With Individual Parts.								01	3400		
											02	3600		
											03	3200		
											04	3300		
0133	402707	393382	No Replacement Repair With Individual Parts.								01	3600		
0134	402707	393523	No Replacement Repair With Individual Parts.								01	3400		
0135	402707	393382	No Replacement Repair With Individual Parts.								01	3400		
0136	402707	393382	No Replacement Repair With Individual Parts.								01	3600		
0137	402707	393382	No Replacement Repair With Individual Parts.								01	3600		
0138	402707	393382	No Replacement Repair With Individual Parts.								01	3600		
0139	402707	393382	No Replacement Repair With Individual Parts.								01	3600		
0140	402707	393382	No Replacement Repair With Individual Parts.								01	3250		
0141	402707	393382	No Replacement Repair With Individual Parts.								01	3600		
0142	402707	393382	No Replacement Repair With Individual Parts.								01	3200		
0143	402707	393382	No Replacement Repair With Individual Parts.								01	3600		
0144	402707	393382	No Replacement Repair With Individual Parts.								01	3600		
0145	402707	393382	No Replacement Repair With Individual Parts.								01	3400		
0146	402707	393382	No Replacement Repair With Individual Parts.								All	3400		
0147	402707	393382	No Replacement Repair With Individual Parts.								01	3400		
0148	402707	393382	No Replacement Repair With Individual Parts.								01	3400		
0149	402707	393382	No Replacement Repair With Individual Parts.								01	3400		

## 402700 to 402799

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	
0150	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0151	402707	393382	No Replacement Repair With Individual Parts.									01	3250		
0152	402707	393382	No Replacement Repair With Individual Parts.									01	3400		
0153	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0154	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0155	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
0156	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0157	402707	393382	No Replacement Repair With Individual Parts.									All	3400		
0158	402707	393382	No Replacement Repair With Individual Parts.									All	3200		
0159	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
0160	402707	393382	No Replacement Repair With Individual Parts.									All	3600		
0161	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0162	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0163	402707	393382	No Replacement Repair With Individual Parts.									01	3400		
0164	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0165	402707	393382	No Replacement Repair With Individual Parts.									All	3600		
0166	402707	393382	No Replacement Repair With Individual Parts.									01	3400		
0167	402707	393382	No Replacement Repair With Individual Parts.									01	3200		
0168	402707	393382	No Replacement Repair With Individual Parts.									01	3200		
0169	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0170	402707	393382	No Replacement Repair With Individual Parts.									01	3400		
0171	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
0172	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0173	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
0174	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0177	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
0180	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
0181	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0182	402707	393382	No Replacement Repair With Individual Parts.									01	3250		
0183	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0184	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0185	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0186	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
0241	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
0243	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
0244	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
0245	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
0248	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
1115	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
1116	402707	393523	No Replacement Repair With Individual Parts.									01	3600		
1117	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
1205	402707	393382	No Replacement Repair With Individual Parts.									01	3400		
1206	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
1207	402707	393382	No Replacement Repair With Individual Parts.									01	3200		
1208	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
1209	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
1210	402707	393382	No Replacement Repair With Individual Parts.									All	3100		
1211	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
1212	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
1213	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
1214	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
1215	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
1216	402707	393382	No Replacement Repair With Individual Parts.									01	3600		
1217	402707	393382	No Replacement Repair With Individual Parts.									01	3400		
1218	402707	393382	No Replacement Repair With Individual Parts.									01	3300		
1219	402707	393382	No Replacement Repair With Individual Parts.									01	3600		

## 402700 to 402799

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
1220	402707	393382	No Replacement Repair With Individual Parts.									01	3300	
1221	402777	493236	No Replacement Repair With Short Block and/or Individual Parts									01	3400	493289
1223	402777	493236	No Replacement Repair With Short Block and/or Individual Parts									01	3300	493289
1224	402777	493236	No Replacement Repair With Short Block and/or Individual Parts									01	3600	493289
1225	402707	393382	No Replacement Repair With Individual Parts.									01	3300	
1226	402707	393382	No Replacement Repair With Individual Parts.									01	3600	
1227	402707	393382	No Replacement Repair With Individual Parts.									01	2700	
1228	402707	393382	No Replacement Repair With Individual Parts.									01	3400	
1232	402777	493236	No Replacement Repair With Short Block and/or Individual Parts									01	3300	493289
1233	402707	393382	No Replacement Repair With Individual Parts.									01	3200	
1234	402707	393382	No Replacement Repair With Individual Parts.									01	3200	
1235	402707	393382	No Replacement Repair With Individual Parts.									01	3200	
1239	402777	493236	No Replacement Repair With Short Block and/or Individual Parts									01	3300	493289
1240	402707	393382	No Replacement Repair With Individual Parts.									01	3400	
1242	402707	393382	No Replacement Repair With Individual Parts.									01	3300	
1244	402707	393382	No Replacement Repair With Individual Parts.									01	3300	
1245	402777	493236	No Replacement Repair With Short Block and/or Individual Parts									01	3300	493289
1246	402707	393382	No Replacement Repair With Individual Parts.									01	3300	
1270	402707	393382	No Replacement Repair With Individual Parts.									01	3300	
1271	402707	393382	No Replacement Repair With Individual Parts.									01	3300	
1272	402777	393382	No Replacement Repair With Individual Parts.									01	3300	
1273	402777	493236	No Replacement Repair With Short Block and/or Individual Parts									01	3300	493289
1280	402707	393382	No Replacement Repair With Individual Parts.									01	3200	
1401	402707	393382	No Replacement Repair With Individual Parts.									01	3600	
1506	402707	393382	No Replacement Repair With Individual Parts.									01	3600	
1507	402707	393382	No Replacement Repair With Individual Parts.									01	3600	
1508	402707	393382	No Replacement Repair With Individual Parts.									01	2700	
1509	402707	393382	No Replacement Repair With Individual Parts.									01	3200	
1510	402707	393382	No Replacement Repair With Individual Parts.									01	3200	
1511	402707	393382	No Replacement Repair With Individual Parts.									01	3300	
4001	402707	393382	No Replacement Repair With Individual Parts.									ALL	3600	
4002	402707	393382	No Replacement Repair With Individual Parts.									01	3600	
4015	402707	393382	No Replacement Repair With Individual Parts.									01	3600	
7001	402707	393382	No Replacement Repair With Individual Parts.									01	3600	
7017	402707	393382	No Replacement Repair With Individual Parts.									01	3600	