

422700 to 422799

SERVICE ENGINE



SALES MANUAL

**MODEL 422700 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:

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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
0010	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0011	422707	394684	No Replacement Repair With Short Block and/or Individual Parts								01	3100	492104	
0015	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0016	422707	394684	No Replacement Repair With Short Block and/or Individual Parts								01	3100	492104	
0030	422707	394028	No Replacement Repair With Individual Parts.								All	3100		
0031	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0109	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0111	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0131	422707	394028	No Replacement Repair With Individual Parts.								01	3400		
											02	3600		
0132	422707	394028	No Replacement Repair With Individual Parts.								01	3200		
0133	422707	394684	No Replacement Repair With Short Block and/or Individual Parts								01	3400	492104	
0134	422707	394028	No Replacement Repair With Individual Parts.								01	3300		
0135	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0136	422707	394028	No Replacement Repair With Individual Parts.								01	3500		
0137	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0138	422707	394028	No Replacement Repair With Individual Parts.								01	3200		
0139	422707	394028	No Replacement Repair With Individual Parts.								01	4000		
0140	422707	394028	No Replacement Repair With Individual Parts.								01	3400		
0141	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0142	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0143	422707	394028	No Replacement Repair With Individual Parts.								01	3300		
0144	422707	394028	No Replacement Repair With Individual Parts.								01	3200		
0145	422707	394684	No Replacement Repair With Short Block and/or Individual Parts								01	3400	492104	
0146	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0147	422707	394028	No Replacement Repair With Individual Parts.								01	3250		
0148	422707	394028	No Replacement Repair With Individual Parts.								01	3250		
0149	422707	394028	No Replacement Repair With Individual Parts.								01	3100		
0150	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0151	422707	394028	No Replacement Repair With Individual Parts.								01	3300		
0152	422707	394028	No Replacement Repair With Individual Parts.								01	3600		

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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
0153	422707	394028	No Replacement Repair With Individual Parts.								01	3100		
0154	422707	394028	No Replacement Repair With Individual Parts.								01	4000		
0155	422707	394684	No Replacement Repair With Short Block and/or Individual Parts								01	3400	492104	
0156	422707	394684	No Replacement Repair With Short Block and/or Individual Parts								01	3400	492104	
0157	422707	394028	No Replacement Repair With Individual Parts.								01	3200		
0158	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0159	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0160	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0161	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0162	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0163	422707	394028	No Replacement Repair With Individual Parts.								01	3500		
0164	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0165	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
0166	422707	394028	No Replacement Repair With Individual Parts.								01	3200		
0167	422707	394028	No Replacement Repair With Individual Parts.								01	2700		
0179	422707	394028	No Replacement Repair With Individual Parts.								01	3300		
1105	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
1106	422707	394684									01	3600	492104	
1107	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
1115	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
1125	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3600	493289	
1127	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3600	493289	
1130	422707	394028	No Replacement Repair With Individual Parts.								01	3100		
1131	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
1205	422707	394028	No Replacement Repair With Individual Parts.								01	2300		
1206	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
1207	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
1208	422707	394028	No Replacement Repair With Individual Parts.								All	3200		
1209	422707	394684	No Replacement Repair With Short Block and/or Individual Parts								01	3400	492104	
1210	422707	394028	No Replacement Repair With Individual Parts.								01	3300		
1211	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
1212	422707	394028	No Replacement Repair With Individual Parts.								01	3500		
1213	422707	394028	No Replacement Repair With Individual Parts.								01	3000		
1214	422707	394028	No Replacement Repair With Individual Parts.								01	3300		
1215	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3000	493289	
1216	422707	394028	No Replacement Repair With Individual Parts.								01	3300		
1217	422707	394028	No Replacement Repair With Individual Parts.								01	2700		
1218	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3200	493289	
1219	422707	394028	No Replacement Repair With Individual Parts.								01	3300		
1220	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3000	493289	
1222	422707	394028	No Replacement Repair With Individual Parts.								01	3100		
1223	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3600	493289	
1224	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3200	493289	
1225	422707	394028	No Replacement Repair With Individual Parts.								01	3200		
1226	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3200	493289	
1227	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
1228	422707	394028	No Replacement Repair With Individual Parts.								01	3600		
1229	422707	394028	No Replacement Repair With Individual Parts.								01	3400		
1230	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3600	493289	
1231	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3600	493289	
1232	422707	394028	No Replacement Repair With Individual Parts.								01	3200		
1233	422707	394028	No Replacement Repair With Individual Parts.								01	2700		
1234	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3300	493289	
1235	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3300	493289	
1236	422707	394028	No Replacement Repair With Individual Parts.								01	3400		
1237	422777	492590	No Replacement Repair With Short Block and/or Individual Parts								01	3600	493289	

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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
1238	422777	492590	No Replacement	Repair With Short Block and/or Individual Parts						01	3200	493289		
1239	422777	492590	No Replacement	Repair With Short Block and/or Individual Parts						01	3200	493289		
1240	422777	492590	No Replacement	Repair With Short Block and/or Individual Parts						01	3300	493289		
1241	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1242	422707	394028	No Replacement	Repair With Individual Parts.						01	3400			
1243	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1244	422777	492590	No Replacement	Repair With Short Block and/or Individual Parts						01	3300	493289		
1245	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1247	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1250	422777	492590	No Replacement	Repair With Short Block and/or Individual Parts						01	3300	493289		
1251	422707	394028	No Replacement	Repair With Individual Parts.						01	3250			
1252	422707	394028	No Replacement	Repair With Individual Parts.						01	3200			
1253	422707	394028	No Replacement	Repair With Individual Parts.						01	3600			
1254	422707	394028	No Replacement	Repair With Individual Parts.						01	3600			
1255	422707	394028	No Replacement	Repair With Individual Parts.						01	3600			
1256	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1257	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1258	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1259	422777	492590	No Replacement	Repair With Short Block and/or Individual Parts						01	3300	493289		
1260	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1261	422707	394028	No Replacement	Repair With Individual Parts.						01	3400			
1262	422707	394028	No Replacement	Repair With Individual Parts.						01	3400			
1263	422707	394028	No Replacement	Repair With Individual Parts.						01	3400			
1264	422707	394028	No Replacement	Repair With Individual Parts.						01	3400			
1265	422777	492590	No Replacement	Repair With Short Block and/or Individual Parts						01	3200	493289		
1266	422777	492590	No Replacement	Repair With Short Block and/or Individual Parts						01	3400	493289		
1267	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1275	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1276	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1277	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1278	422777	492590	No Replacement	Repair With Short Block and/or Individual Parts						01	3300	493289		
1281	422777	492590	No Replacement	Repair With Short Block and/or Individual Parts						01	3400	493289		
1505	422707	394028	No Replacement	Repair With Individual Parts.						01	3200			
1506	422707	394684	No Replacement	Repair With Short Block and/or Individual Parts						01	3400	492104		
1507	422707	394684	No Replacement	Repair With Short Block and/or Individual Parts						01	3400	492104		
1508	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1509	422707	394028	No Replacement	Repair With Individual Parts.						01	2700			
1510	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1511	422707	394028	No Replacement	Repair With Individual Parts.						01	3600			
1512	422707	394028	No Replacement	Repair With Individual Parts.						01	3200			
1513	422707	394028	No Replacement	Repair With Individual Parts.						01	3600			
1514	422707	394028	No Replacement	Repair With Individual Parts.						01	3600			
1515	422707	394028	No Replacement	Repair With Individual Parts.						01	3400			
1516	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1520	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1521	422707	394028	No Replacement	Repair With Individual Parts.						01	3250			
1522	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1524	422707	394028	No Replacement	Repair With Individual Parts.						01	3400			
1525	422707	394028	No Replacement	Repair With Individual Parts.						01	3400			
1526	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1527	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1529	422707	394028	No Replacement	Repair With Individual Parts.						01	3300			
1705	422707	394028	No Replacement	Repair With Individual Parts.						A1	3100			
1706	422707	394684	No Replacement	Repair With Short Block and/or Individual Parts						A1	4100			
1707	422707	394028	No Replacement	Repair With Individual Parts.						A1	3600			
1725	422777	492590	No Replacement	Repair With Individual Parts.						A1	3600			

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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
1727	422777	495290	No Replacement Repair With Individual Parts.							A1	3600			
1881	422777	492590	No Replacement Repair With Individual Parts.							A1	3400			
2281	422777	492590	No Replacement Repair With Individual Parts.							E1	3400			
4015	422707	394028	No Replacement Repair With Individual Parts.							01	3600			
4022	422777	492590	No Replacement Repair With Short Block and/or Individual Parts							01	3600	493289		
4030	422707	394028	No Replacement Repair With Individual Parts.							01	3100			
4031	422707	394028	No Replacement Repair With Individual Parts.							01	3600			
4032	422707	394028	No Replacement Repair With Individual Parts.							01	3100			
4822	422777	492590	No Replacement Repair With Individual Parts.											
7001	422707	394028	No Replacement Repair With Individual Parts.							01	2700			