

252700 to 252799

SERVICE ENGINE



SALES MANUAL

**MODEL 252700 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 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.

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:

252700 to 252799

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	252702	392299	217902	0015					33		01	3600		
0016	252702	392299	217902	0015					33		01	3600		
0025	252707	392299	217907	0025					33		01	3600		
0026	252707	392299	217907	0028					33		01	3500		
0027	252707	391794	No Replacement Repair With Individual Parts.								01	3200		
0028	252707	392299	21B907	0028					33		01	3600		
0111	252702	392299	217907	0020					33		01	3600		
0118	252707	392299	217907	0025					33		01	3600		
0119	252707	392299	217907	0025					33		01	3600		
0130	252707	392299	217907	0025					33		01	3400		
0131	252707	392299	217907	0025					33		01	3400		
0132	252707	391794	No Replacement Repair With Individual Parts.								All	3400		
0133	252707	391794	No Replacement Repair With Individual Parts.								01	3100		
0134	252707	392299	217907	0019					33		01	3600		
0135	252707	391794	No Replacement Repair With Individual Parts.								01	3300		
0136	252707	392299	217907	0028					33		01	3600		
0137	252707	392299	217907	0028					33		All	3200		
0138	252707	392299	21B907	0028					33		01	3000		
0139	252707	392299	217907	0025					33		01	3300		
0140	252707	392299	217907	0025					33		01	3500		
0141	252707	391794	No Replacement Repair With Individual Parts.								01	3300		
0142	252702	392299	217907	0020					33		01	3300		
0143	252707	392299	217907	0019					33		01	3300		
0144	252702	392299	217902	0015					33		01	3600		
0145	252707	391794	No Replacement Repair With Individual Parts.								01	3100		
0146	252707	392299	217907	0025					33		01	3400		
0147	252707	392299	217907	0028					33		01	3700		
0148	252702	392299	217902	0020					33		01	3600		
0149	252702	392299	217902	0020					33		01	3800		

252700 to 252799

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	252707	392299	217907	0028					33		01	3500			
0151	252707	392299	217907	0025					33		01	3300			
0152	252702	392299	217902	0020					33		01	3600			
0154	252707	392299	21B907	0028					33		01	3300			
0155	252702	392299	217902	0020					33		01	3000			
0156	252702	392299	217902	0015					33		01	3600			
0157	252707	391794	No Replacement Repair With Individual Parts.									01	3100		
0158	252707	392299	217907	0025					33		01	3200			
0159	252707	392299	217907	0028					33		01	3600			
0160	252702	392299	217902	0015					33		01	3300			
0161	252707	392299	217907	0025					33		01	3600			
0162	252707	392299	217907	0028					33		01	3500			
0163	252707	391794	No Replacement Repair With Individual Parts.									01	3600		
0165	252702	392299	217902	0015					33		01	3600			
0166	252707	391793	No Replacement Repair With Individual Parts.									01	3300		
0167	252707	392299	217907	0019					33		01	3000			
0168	252707	392299	217907	0028					33		01	3600			
0169	252707	392299	21B907	0028					33		01	3600			
0170	252707	392299	217907	0025					33		All	3400			
0171	252707	392299	217907	0025					33		01	3400			
0172	252707	391794	No Replacement Repair With Individual Parts.									01	3400		
0173	252707	392299	217907	0025					33		01	3600			
0174	252707	392299	21B907	0028					33		All	3600			
0175	252707	391794	No Replacement Repair With Individual Parts.									01	3300		
0176	252702	392299	217902	0020					33		All	3600			
0177	252707	392299	No Replacement Repair With Individual Parts.									01	3400		
0178	252707	392299	21B907	0028					33		01	3600			
0179	252707	391793	No Replacement Repair With Individual Parts.									01	3100		
0180	252707	391794	No Replacement Repair With Individual Parts.									01	3400		
0181	252707	392299	217907	0019					33		01	3300			
0182	252702	392299	217902	0020					33		01	3300			
0183	252707	392299	21B907	0028					33		01	3600			
0184	252702	392299	217902	0020					33		01	3600			
0185	252707	392299	217907	0025					33		01	3500			
0186	252707	392299	217907	0025					33		01	3250			
0187	252702	392299	217902	0020					33		01	3600			
0188	252707	392299	217907	0028					33		01	3500			
0189	252707	392299	217907	0025					33		01	3200			
0190	252702	392299	217902	0015					33		01	3600			
0191	252702	392299	217902	0020					33		01	3600			
0192	252707	392299	21B907	0028					33		01	3600			
0193	252707	392299	217907	0028					33		01	3600			
0194	252702	392299	217902	0020					33		01	3600			
0195	252707	392299	21B907	0028					33		01	3600			
0197	252707	392299	217907	0028					33		01	3600			
0198	252702	392299	217902	0020					33		01	3600			
0199	252707	392299	21B907	0028					33		01	3500			
0200	252707	391794	No Replacement Repair With Individual Parts.									01	3400		
0201	252707	392299	217907	0025	1	393800	1	392595	33		All	3400			
0202	252707	392299	217907	0028					33		01	3700			
0203	252702	392299	217902	0015					33		01	4000			
0204	252707	392299	217907	0025					33		01	3600			
0205	252707	392299	217907	0028					33		01	3300			
0206	252707	392299	217907	0025					33		All	3300			
0207	252707	392299	217907	0028					33		01	3500			

252700 to 252799

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		
0208	252707	392299	217907	0019					33		All	3300				
0209	252707	392299	217907	0025					33		01	3300				
0210	252707	392299	21B907	0028					33		01	3600				
0211	252702	392299	217902	0015					33		01	3600				
0212	252707	392299	217907	0019					33		01	3600				
0213	252707	392299	21B907	0028					33		01	3400				
0214	252702	392299	217902	0015					33		01	3600				
0215	252707	392299	217907	0028					33		01	3600				
0216	252707	392299	217907	0025					33		01	3400				
0217	252702	392299	217902	0020					33		01	3600				
0218	252702	392299	217902	0015					33		01	3600				
0219	252707	392299	No Replacement Repair With Individual Parts.										01	2750		
0220	252707	392299	No Replacement Repair With Individual Parts.										01	3600		
0221	252707	392299	21B907	0028					33		01	3500				
0222	252707	392299	217907	0025					33		01	3300				
0223	252707	392299	217907	0025					33		01	3400				
0224	252707	392299	217907	0025					33		01	3600				
0225	252707	392299	217907	0025					33		01	3300				
0226	252702	392299	217902	0015					33		01	3600				
0227	252702	392299	217902	0015					33		01	3600				
0228	252707	392299	No Replacement Repair With Individual Parts.										All	3400		
0229	252707	392299	217907	0028					33		01	3600				
0230	252707	392299	217907	0025	1	393800	1	392595	33		01	3400				
0231	252707	392299	217907	0025					33		01	3300				
0232	252707	392299	21B907	0028					33		01	3600				
0233	252707	392299	217907	0025					33		All	3400				
0234	252707	392299	217907	0025					33		01	3400				
0235	252707	392299	217907	0025					33		01	3300				
0236	252707	391794	No Replacement Repair With Individual Parts.										01	3500		
0237	252707	392299	21B907	0028					33		01	3600				
0238	252707	392299	217907	0025					33		01	3200				
0239	252707	392299	217907	0025					33		01	3200				
0240	252707	392299	21B907	0028					33		01	3500				
0241	252707	392299	217907	0025					33		01	3600				
0242	252707	392299	217907	0028					33		01	3500				
0243	252707	392299	217907	0028					33		01	3500				
0244	252702	392299	217902	0015					33		01	3200				
0245	252707	392299	217907	0028					33		01	3600				
0246	252702	392299	217902	0015					33		01	3500				
0247	252707	392299	217907	0019					33		01	3600				
0515	252702	491647	217902	0015					33		01	3600				
0516	252702	491647	217902	0020					33		01	3600				
0525	252707	491647	217907	0025					33		01	3600				
0526	252707	491647	217907	0028					33		01	3500				
0527	252707	491646	No Replacement Repair With Individual Parts.										01	3200		
0528	252707	491647	21B907	0028					33		01	3600				
0537	252707	491647	217907	0025					33							
0560	252702	491647	217902	0015					33		01	3300				
0611	252702	491647	217902	0015					33		01	3600				
0615	252707	491647	217907	0025					33		01	2600				
0616	252707	491647	217907	0025					33		01	2800				
0617	252707	491647	217907	0025					33		01	3200				
0618	252707	491647	217907	0025					33		01	3600				
0619	252707	491647	217907	0028					33		01	3600				
0620	252707	491647	217907	0025					33		01	3400				

252700 to 252799

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	
0621	252707	491647	217907	0025					33		01	3400			
											02	3200			
											03	3400			
0622	252707	491647	217907	0025					33		01	3400			
0623	252707	491647	217907	0025					33		01	3400			
0624	252707	491647	217907	0025	1	393800	1	392595	33		01	3400			
0625	252707	491647	217907	0025					33		01	3400			
0630	252707	491647	217907	0025					33		01	3400			
0631	252707	491647	217907	0019					33		01	3300			
0632	252707	491646	No Replacement Repair With Individual Parts.									01	3400		
0633	252707	491647	217907	0028					33		01	3300			
0634	252707	491647	217907	0025					33		01	3250			
0635	252702	491647	217902	0020					33		01	3600			
0636	252707	491647	217907	0028					33		01	3500			
0637	252707	491647	217907	0025	1	393800	1	392595	33		01	3400			
0638	252707	491647	217907	0025					33		01	3200			
0639	252702	491647	217902	0015					33		01	3600			
0640	252707	491647	217907	0025					33		01	3600			
											02	3200			
0641	252707	491647	217907	0025					33		01	3600			
0642	252707	491647	217907	0025					33		01	3400			
0643	252707	491646	No Replacement Repair With Individual Parts.									01	3500		
0644	252707	491647	No Replacement Repair With Individual Parts.									01	3400		
0645	252707	491647	217907	0025					33		01	3300			
0646	252707	491647	No Replacement Repair With Individual Parts.									01	3200		
0647	252707	491647	217907	0025					33		01	3300			
0648	252707	491647	217907	0028					33		01	3500			
0649	252702	491647	217902	0015					33		01	3500			
0650	252707	491647	No Replacement Repair With Individual Parts.									01	3300		
0651	252707	491647	217907	0025					33		01	3250			
0652	252707	491647	21B907	0028					33		01	3400			
0653	252707	491647	217907	0025					33		01	3300			
0654	252707	391793	No Replacement Repair With Individual Parts.									01	3400		
0655	252707	491647	217907	0025					33		All	3400			
0656	252707	491647	217907	0028					33		01	3600			
0657	252707	491647	217907	0025					33		01	3300			
0658	252707	491647	21B907	0028					33		01	3600			
0659	252702	491647	217902	0020					33		01	3600			
0660	252707	491647	217907	0028					33		01	3600			
0661	252707	491647	217907	0025					33		01	3600			
0662	252707	491647	217907	0028					33		01	3700			
0663	252702	491647	217902	0015					33		01	3200			
0664	252702	491647	217902	0020					33		01	3600			
0665	252707	491647	21B907	0028					33		01	3600			
0666	252702	491647	217902	0015					33		01	3600			
0667	252707	491647	217907	0025	1	393800	1	392595	33		01	3300			
0668	252707	491647	217907	0028					33		01	3400			
0669	252707	491647	217907	0025					33		01	3400			
0670	252707	491647	217907	0025					33		01	3200			
0671	252707	491647	217907	0019					33		01	3500			
0672	252707	491647	217907	0025					33		01	3400			
0673	252707	491647	217907	0028					33		01	3600			
0674	252707	491647	21B907	0028					33		01	3500			
0675	252707	491647	No Replacement Repair With Individual Parts.									01	3400		
0676	252707	491647	217907	0019					33		01	3300			
0677	252707	491647	217907	0025					33		01	3400			

252700 to 252799

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	
0678	252707	491647	217907	0028	1	393800	1	392595	33		01	3700			
0679	252707	491647	217907	0025	1	393800	1	392606	33		01	3700			
0680	252707	491647	217907	0025					33		01	3600			
0681	252707	491647	217907	0028					33		01	3600			
0682	252707	491647	217907	0025					33		01	3500			
0683	252707	491647	21B907	0028					33		01	3600			
0684	252707	491647	217907	0025					33		01	3600			
0685	252707	491647	217907	0028					33		01	3500			
0686	252707	491647	21B907	0028					33		01	3500			
0687	252707	491647	No Replacement Repair With Individual Parts.									All	3400		
0688	252707	491647	21B907	0028					33		01	3600			
0689	252702	491647	217902	0020					33		01	3600			
0690	252707	491647	21B907	0028					33		01	3200			
0691	252707	491646	No Replacement Repair With Individual Parts.									01	3100		
0692	252707	491647	21B907	0028	1	393800	1	392595	33		01	3400			
0693	252707	491647	21B907	0028					33		01	3700			
0694	252707	491646	No Replacement Repair With Individual Parts.									01	3200		
0695	252707	491647	217907	0028					33		01	3400			
0696	252707	491647	217907	0025					33		01	2800			
0697	252707	491647	217907	0025					33		01	2800			
0698	252707	491647	21B907	0028					33		01	3250			
0699	252707	491647	217907	0025					33		01	2900			
0700	252707	491647	21B907	0028					33		01	3300			
0701	252707	491647	217907	0019					33		01	3600			
0702	252707	491647	217907	0028					33		01	3600			
0703	252707	491647	217907	0028					33		01	3600			
0704	252707	491647	217907	0025					33		01	3100			
0705	252707	491647	217907	0028					33		01	3350			
0706	252707	491647	217907	0025					33		01	3000			
0707	252707	491647	217907	0025					33		01	3400			
0708	252707	491647	217907	0028					33		01	3000			
0709	252707	491647	217907	0028					33		01	3600			
0710	252707	491647	217907	0025					33		01	3600			
0711	252707	491647	217907	0019					33		01	3100			
0712	252707	491647	217907	0019					33		01	3100			
0713	252702	491647	217902	0015					33		01	2600			
0714	252707	491647	21B907	0028					33		01	2600			
0715	252707	491647	21B907	0028					33		01	3600			
0716	252707	491647	217907	0019					33		01	3100			
0717	252707	491647	217907	0025					33		01	3400			
0718	252707	491647	217907	0025					33		01	3400			
0719	252707	491647	217907	0025					33		01	3200			
4001	252707	491647	No Replacement Repair With Individual Parts.									01	3600		
4002	252707	491647	No Replacement Repair With Individual Parts.									01	3600		
4003	252707	491647	No Replacement Repair With Individual Parts.									01	3600		