

81900 to 81999

SERVICE ENGINE  **SALES MANUAL**

**MODEL 81900 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
0110	81901	260390	9M902	0015										
0111	81901	260092	9M902	0016										
0112	81901	260093	No Replacement Repair With Individual Parts.											
0113	81901	260094	9M902	0018										
0115	81902	260124	9M902	0015										
0116	81902	260096	9M902	0016										
0117	81902	260097	No Replacement Repair With Individual Parts.											
0118	81902	260098	9M902	0018										
0119	81903	260390	9M902	0015										
0121	81903	260092	9M902	0016										
0122	81903	260093	No Replacement Repair With Individual Parts.											
0123	81903	260094	9M902	0018										
0125	81901	260390	9M902	0015										
0126	81902	260124	9M902	0015							All	4100		
0127	81992	260099	No Replacement Repair With Individual Parts.											
0128	81906	260124	9M902	0015										
0129	81906	260124	9M902	0015										
0130	81996	260099	No Replacement Repair With Individual Parts.											
0131	81902	260124	9M902	0015										
0132	81906	260124	9M902	0015										
0133	81902	260098	9M902	0018	1	692009	1	690843			All	3500		
0134	81906	260370	No Replacement Repair With Individual Parts.											
0135	81902	260124	9M902	0015	1	692009	1	690843			All	4100		
0136	81902	260124	122K02	0015										
0137	81906	260124	9M902	0015	1	692009	1	690843						
0138	81902	260124	9M902	0015	1	692009	1	690843						
0139	81902	260124	9M902	0015							All	3300		
0140	81902	260098	9M902	0018							All	3300		
0141	81902	260124	9M902	0015							All	3500		
0142	81906	260096	122K02	0016							All	3300		
0143	81902	260096	9M902	0016							All	3300		

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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
0144	81991	260099	No Replacement Repair With Individual Parts.								All	3500		
0145	81902	260124	9M902	0015										
0146	81906	260097	No Replacement Repair With Individual Parts.								All	3500		
0147	81906	260124	9M902	0015						All	3500			
0148	81902	260124	9M902	0015										
0149	81902	260124	9M902	0015						All	4100			
0150	81902	260124	9M902	0015						All	4100			
0151	81992	260224	No Replacement Repair With Individual Parts.								All	3500		
0152	81906	260096	9M902	0016						All	3500			
945511	81902	260124	9M902	0015										
945512	81903	260094	9M902	0018										
945525	81902	260124	122K02	0015										
945526	81992	260099	No Replacement Repair With Individual Parts.											
945527	81902	260124	9M902	0015						All	3500			
945528	81992	260099	No Replacement Repair With Individual Parts.								All	3500		
945529	81906	260124	9M902	0015						All	3500			
945530	81992	260099	No Replacement Repair With Individual Parts.											
945531	81902	260124	9M902	0015										
945532	81996	260099	No Replacement Repair With Individual Parts.											
945533	81902	260124	9M902	0015										
945534	81906	260124	9M902	0015										
945535	81902	260098	9M902	0018										
945536	81996	260224	No Replacement Repair With Individual Parts.											
945537	81902	260098	9M902	0018	1	692009	1	690843						
945538	81902	260124	9M902	0015										
945539	81902	260124	9M902	0015										
945540	81902	260124	9M902	0015										
945542	81906	260124	9M902	0015										
945543	81902	260124	9M902	0015										
945544	81902	260124	9M902	0015										
945545	81906	260096	122K02	0016										
945546	81996	260099	No Replacement Repair With Individual Parts.											
945547	81902	260124	9M902	0015										
945548	81906	260124	9M902	0015										
945549	81992	260099	No Replacement Repair With Individual Parts.											
945550	81996	260099	No Replacement Repair With Individual Parts.											
945551	81996	260099	No Replacement Repair With Individual Parts.											
945552	81906	260124	9M902	0015										
945553	81902	260233	122K02	0015	1	492177	1	492893						
945554	81906	260124	9M902	0015										
945555	81906	260124	9M902	0015										
945556	81902	260124	122K02	0015	1	492177	1	492893						
945557	81902	260124	122K02	0015										
945558	81902	260124	9M902	0015										
945559	81902	260124	9M902	0015										
945560	81902	260124	9M902	0015										
945561	81992	260099	No Replacement Repair With Individual Parts.											
945562	81902	260124	9M902	0015										
945563	81902	260670	No Replacement Repair With Individual Parts.											
945564	81902	260096	9M902	0016										
945565	81906	260096	122K02	0016										
945566	81902	260096	9M902	0016										
945567	81906	260096	9M902	0016						All	3500			
945568	81902	260124	9M902	0015										
945569	81906	260124	9M902	0015										

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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
945570	81996	260099	No Replacement Repair With Individual Parts.											
945571	81902	260670	No Replacement Repair With Individual Parts.											
945572	81906	260670	No Replacement Repair With Individual Parts.											
945573	81906	260098	122K02	0018										
945574	81906	260096	122K02	0016										
945575	81906	260124	9M902	0015										
945576	81902	260096	9M902	0016										
945577	81902	260124	9M902	0015										
945578	81906	260400	No Replacement Repair With Individual Parts.										All	3500
945579	81902	260098	No Replacement Repair With Individual Parts.										All	3900
945580	81902	260124	122K02	0015										
945581	81906	260124	9M902	0015										
945582	81902	260097	No Replacement Repair With Individual Parts.											
945583	81902	260124	9M902	0015										
945584	81992	260099	No Replacement Repair With Individual Parts.											
945585	81906	260097	No Replacement Repair With Individual Parts.											
945586	81902	260098	9M902	0018	1	293512	1	295041						
945587	81906	260098	No Replacement Repair With Individual Parts.											
945588	81902	260097	No Replacement Repair With Individual Parts.											
945589	81902	260124	122K02	0015										
945590	81906	260124	9M902	0015										
945592	81906	260097	No Replacement Repair With Individual Parts.											
945593	81906	260124	9M902	0015										
945594	81996	260224	No Replacement Repair With Individual Parts.											
945595	81906	260096	122K02	0016										
945596	81902	260096	9M902	0016										
945597	81992	260224	No Replacement Repair With Individual Parts.											
945598	81902	260098	No Replacement Repair With Individual Parts.											
945599	81902	260098	No Replacement Repair With Individual Parts.											
945600	81902	260124	9M902	0015										
945601	81992	260099	No Replacement Repair With Individual Parts.											
945602	81902	260235	9M902	0015			2	93061						
945603	81906	260235	9M902	0015			2	93061						
945604	81996	260224	No Replacement Repair With Individual Parts.											
945605	81902	260124	9M902	0015										
945606	81902	260096	9M902	0016										
945607	81902	260124	9M902	0015										
945608	81902	260097	No Replacement Repair With Individual Parts.											
945609	81902	260124	9M902	0015										
945610	81906	260124	9M902	0015	1	692009	1	690843						
945611	81902	260096	122K02	0016										
945612	81906	260096	122K02	0016										
945613	81906	260124	9M902	0015										
945614	81902	260097	No Replacement Repair With Individual Parts.											
945615	81901	260390	9M902	0015										
945616	81901	260390	9M902	0015										
945617	81902	260096	9M902	0016										
945618	81906	260124	9M902	0015										
945619	81906	260124	9M902	0015										
945620	81992	260099	No Replacement Repair With Individual Parts.											
945621	81906	260124	9M902	0015										
945622	81906	260096	122K02	0016							All	3500		
945623	81992	260224	No Replacement Repair With Individual Parts.											
945624	81992	260099	No Replacement Repair With Individual Parts.											
945625	81902	260124	122K02	0015										

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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
945626	81906	260124	9M902	0015										
945627	81902	260124	9M902	0015										
945628	81906	260670	No Replacement Repair With Individual Parts.											
945629	81906	260124	9M902	0015										
945630	81902	260124	122K02	0015										
945631	81906	260124	9M902	0015										
945632	81906	260124	9M902	0015										
945634	81906	260096	122K02	0016										
945635	81996	260224	No Replacement Repair With Individual Parts.											
945636	81992	260099	No Replacement Repair With Individual Parts.											
945637	81902	260124	9M902	0015										
945638	81906	260124	9M902	0015										
945639	81996	260099	No Replacement Repair With Individual Parts.											
945640	81906	260096	122K02	0016										
945641	81992	260224	No Replacement Repair With Individual Parts.											
945642	81902	260124	9M902	0015						All	3500			
945643	81902	260097	No Replacement Repair With Individual Parts.											
945644	81902	260235	122K02	0015	1	492177	1	492893						
							2	93061						
945645	81906	260235	9M902	0015			2	93061						
945646	81906	260124	9M902	0015						All	3500			
945647	81902	260096	9M902	0016										
945648	81906	260096	No Replacement Repair With Individual Parts.											
945649	81902	260097	No Replacement Repair With Individual Parts.											
945650	81902	260124	No Replacement Repair With Individual Parts.											
945651	81902	260098	9M902	0018	1	692009	1	690843						
945652	81902	260096	9M902	0016										
945653	81902	260096	9M902	0016										
945654	81902	260451	No Replacement Repair With Individual Parts.											
945655	81902	260124	9M902	0015										
945656	81902	260124	9M902	0015										
945657	81906	260124	9M902	0015										
945658	81906	260096	122K02	0016										
945659	81902	260096	9M902	0016						All	3600			
945660	81906	260096	122K02	0016						All	3600			
945661	81996	260224	No Replacement Repair With Individual Parts.											
945662	81992	260224	No Replacement Repair With Individual Parts.											
945663	81906	260124	9M902	0015										
945664	81996	260224	No Replacement Repair With Individual Parts.											
945665	81906	260124	9M902	0015										
945666	81902	260096	9M902	0016						All	3500			
945667	81902	260098	9M902	0018	1	692009	1	690843						
945668	81906	260124	9M902	0015						All	3500			
945669	81906	260124	9M902	0015						All	3500			
945670	81902	260124	9M902	0015						All	3300			
945671	81906	260124	9M902	0015										
945672	81902	260096	9M902	0016						All	3500			
945673	81906	260096	122K02	0016										
945674	81902	260124	9M902	0015										
945675	81906	260124	9M902	0015						All	3500			
945676	81996	260099	No Replacement Repair With Individual Parts.											
945677	81996	260099	No Replacement Repair With Individual Parts.											
945678	81906	260097	No Replacement Repair With Individual Parts.											
945679	81906	260535	9M902	0015	1	692009	1	690843		All	3500			
							2	93061						

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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
945680	81906	260096	122K02	0016										
945681	81902	260124	9M902	0015	1	692009	1	690843						
945682	81902	260400	No Replacement Repair With Individual Parts.											
945683	81902	260235	9M902	0015			2	93061						
945684	81996	260224	No Replacement Repair With Individual Parts.											
945685	81902	260096	9M902	0016						All		3300		
945686	81906	260096	122K02	0016						All		3300		
945687	81992	260224	No Replacement Repair With Individual Parts.											
945688	81996	260224	No Replacement Repair With Individual Parts.											
945689	81902	260124	9M902	0015										
945690	81906	260124	9M902	0015										
945691	81902	260124	9M902	0015						All		3300		
945692	81906	260670	No Replacement Repair With Individual Parts.											
945693	81906	260096	122K02	0016						All		4100		
945694	81906	260096	122K02	0016										
945695	81902	260098	No Replacement Repair With Individual Parts.											
945696	81902	260270	No Replacement Repair With Individual Parts.											
945697	81906	260270	No Replacement Repair With Individual Parts.											
945698	81906	260270	No Replacement Repair With Individual Parts.											
945699	81906	260124	9M902	0015	1	692009	1	690843						
945700	81902	260124	9M902	0015										
945701	81902	260124	9M902	0015	1	692009	1	690843						
945702	81902	260096	9M902	0016										
945703	81992	260099	No Replacement Repair With Individual Parts.											
945704	81996	260099	No Replacement Repair With Individual Parts.											
945705	81902	260124	No Replacement Repair With Individual Parts.											
945706	81906	260124	No Replacement Repair With Individual Parts.											
945707	81996	260601	No Replacement Repair With Individual Parts.											
945708	81906	260096	122K02	0016										
945709	81902	260124	122K02	0015										
945710	81902	260124	122K02	0015										
945711	81906	260124	9M902	0015										
945712	81902	260097	No Replacement Repair With Individual Parts.											
945713	81902	260124	9M902	0015	1	692009	1	690843						
945714	81906	260124	9M902	0015	1	692009	1	690843						
945715	81906	260097	No Replacement Repair With Individual Parts.											
945716	81992	260224	No Replacement Repair With Individual Parts.											
945717	81996	260224	No Replacement Repair With Individual Parts.											
945718	81996	260224	No Replacement Repair With Individual Parts.											
945719	81992	260224	No Replacement Repair With Individual Parts.											
945720	81902	260370	No Replacement Repair With Individual Parts.											
945721	81906	260124	9M902	0015										
945722	81906	260124	9M902	0015						All		3500		
945723	81906	260124	9M902	0015	1	692009	1	690843						
945724	81906	260096	122K02	0016										
945725	81906	260097	No Replacement Repair With Individual Parts.											
945726	81902	260097	No Replacement Repair With Individual Parts.											
945727	81906	260124	9M902	0015	1	692009	1	690843						
945728	81992	260099	No Replacement Repair With Individual Parts.											
945729	81906	260097	No Replacement Repair With Individual Parts.											
945730	81992	260099	No Replacement Repair With Individual Parts.											
945731	81906	260096	122K02	0016						All		3500		
945732	81902	260096	9M902	0016										
945733	81906	260096	122K02	0016						All		3300		
945734	81906	260124	9M902	0015										

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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
945735	81902	260124	9M902	0015										
945736	81906	260096	122K02	0016										
945737	81902	260124	122K02	0015										
945738	81902	260124	9M902	0015										
945739	81992	260224	No Replacement Repair With Individual Parts.								All	3300		
945740	81992	260224	No Replacement Repair With Individual Parts.											
945741	81906	260124	9M902	0015							All	4100		
945742	81902	260098	No Replacement Repair With Individual Parts.								All	3600		
945743	81996	260601	No Replacement Repair With Individual Parts.											
945744	81992	260601	No Replacement Repair With Individual Parts.											
945745	81902	260124	9M902	0015										
945746	81902	260098	122K02	0018										
945747	81906	260098	122K02	0018										
945748	81902	260096	122K02	0016										
945749	81996	260099	No Replacement Repair With Individual Parts.											
945750	81902	260098	9M902	0018	1	692009	1	690843						
945751	81906	260098	122K02	0018										
945752	81902	260124	9M902	0015	1	692009	1	690843						
945753	81902	260096	9M902	0016	1	692009	1	690843						
945754	81902	260124	9M902	0015										
945755	81902	260124	9M902	0015										
945756	81902	260124	9M902	0015							All	3500		
945757	81906	260097	No Replacement Repair With Individual Parts.											
945758	81906	260124	9M902	0015										
945759	81906	260124	9M902	0015										
945760	81906	260096	122K02	0016							All	3500		
945761	81906	260124	9M902	0015										
945762	81902	260124	9M902	0015										
945763	81996	260099	No Replacement Repair With Individual Parts.											
945764	81906	260124	9M902	0015										
945765	81996	260099	No Replacement Repair With Individual Parts.											
945766	81996	260099	No Replacement Repair With Individual Parts.											
945767	81902	260124	122K02	0015										
945768	81906	260124	9M902	0015										
945769	81902	260124	9M902	0015										
945770	81902	260096	9M902	0016										
945771	81902	260096	9M902	0016										
945772	81902	260098	No Replacement Repair With Individual Parts.											
945773	81902	260124	9M902	0015	1	692009	1	690843						
945774	81902	260124	9M902	0015										
945775	81902	260124	9M902	0015										
945776	81906	260124	9M902	0015										
945777	81902	260124	9M902	0015										
945778	81902	260124	122K02	0015	1	492177	1	492893						
945779	81902	260133	9M902	0015	1	492748	1	260133						
					1	692009	1	690843						
945780	81906	260124	9M902	0015	1	692009	1	690843			All	3300		
945781	81902	260235	9M902	0016	1	692009	1	690843						
							1	93061						
945782	81992	260099	No Replacement Repair With Individual Parts.											
945783	81902	260124	122K02	0015	1	492177	1	492893						
945784	81906	260098	122K02	0018										
945785	81906	260096	122K02	0016										
945786	81902	260096	9M902	0016							All	3300		
945787	81902	260124	122K02	0015							All	3500		

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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
945788	81902	260124	122K02	0015							All	3500		
945789	81902	260124	122K02	0015	1	492177	1	492893			All	3500		
945790	81902	260096	9M902	0016							All	3500		
945791	81902	260124	No Replacement Repair With Individual Parts.											
945792	81906	260096	9M902	0016							All	3500		
945793	81992	260224	No Replacement Repair With Individual Parts.											
945794	81992	260224	No Replacement Repair With Individual Parts.											
945795	81902	260124	No Replacement Repair With Individual Parts.											
945796	81992	260224	No Replacement Repair With Individual Parts.											
945797	81902	260098	9M902	0018	1	692009	1	690843						
945798	81902	260124	122K02	0015										
945799	81906	260124	9M902	0015							All	3500		
945800	81902	260370	No Replacement Repair With Individual Parts.											
945801	81902	260098	No Replacement Repair With Individual Parts.											
945802	81906	260124	122K02	0016										
945803	81992	260224	No Replacement Repair With Individual Parts.											
945804	81902	260124	9M902	0015										
945805	81902	260098	9M902	0018	1	692009	1	690843			All	3500		
945806	81902	260098	No Replacement Repair With Individual Parts.											
945807	81902	260096	9M902	0016										
945808	81902	260124	9M902	0015										
945809	81906	260097	No Replacement Repair With Individual Parts.											
945810	81902	260124	9M902	0015										
945811	81906	260124	9M902	0015							All	3300		
945812	81902	260124	9M902	0015										
945813	81902	260124	9M902	0015										
945814	81906	260124	9M902	0015										
945815	81902	260124	122K02	0015	1	492177	1	492893			All	3500		
945816	81902	260124	9M902	0015										
945817	81902	260124	9M902	0015										
945818	81902	260124	9M902	0015										
945819	81906	260124	9M902	0015										
945820	81906	260370	No Replacement Repair With Individual Parts.											
945821	81906	260670	No Replacement Repair With Individual Parts.											
945822	81902	260124	122K02	0015	1	492177	1	492893						
945823	81906	260124	122K02	0015	1	492177	1	492893						
945824	81902	260098	9M902	0018										
945825	81992	260224	No Replacement Repair With Individual Parts.											
945826	81902	260124	9M902	0015							All	3500		
945827	81906	260124	9M902	0015							All	3500		
945828	81901	260390	9M902	0015										
945829	81906	260124	9M902	0015							All	3500		
945830	81902	260124	9M902	0015										