

81500 to 81599

SERVICE ENGINE



SALES MANUAL

**MODEL 81500 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:

81500 to 81599

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	
0115	81502	260124	9M902	0015											
0116	81502	260096	9M902	0016											
0131	81502	260124	9M902	0015	1	692009	1	690843							
0132	81502	260124	9M902	0015											
0134	81502	260400	No Replacement Repair With Individual Parts.									All	3500		
0135	81502	260124	9M902	0015	1	692009	1	690843							
0136	81506	260096	122K02	0016											
909510	81501	260390	9M902	0015											
909511	81502	260124	9M902	0015											
909513	81502	260124	9M902	0015											
909514	81502	260124	9M902	0015											
909515	81502	260124	9M902	0015											
909516	81502	260124	9M902	0015											
909518	81502	260124	9M902	0015											
909519	81502	260124	9M902	0015											
909520	81502	260124	9M902	0015											
909521	81502	260124	9M902	0015											
909522	81502	260124	9M902	0015											
909523	81503	260390	9M902	0015											
909524	81502	260124	9M902	0015											
909525	81592	260099	No Replacement Repair With Individual Parts.												
909526	81502	260124	9M902	0015											
909527	81502	260124	9M902	0015											
909528	81503	260092	9M902	0016											
909529	81502	260370	No Replacement Repair With Individual Parts.												
909530	81502	260124	9M902	0015											
909531	81502	260124	9M902	0015											
909532	81502	260235	9M902	0015					1	93061					
909533	81502	260096	9M902	0016											
909534	81502	260096	9M902	0016											
909535	81502	260124	9M902	0015											

81500 to 81599

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
909536	81502	260096	9M902	0016										
909537	81502	260124	9M902	0015						All	3500			
909538	81502	260096	9M902	0016										
909539	81502	260096	9M902	0016										
909540	81502	260096	9M902	0016										
909541	81502	260096	9M902	0016										
909542	81502	260124	9M902	0015										
909543	81502	260124	9M902	0015						All	3500			
909544	81502	260096	9M902	0016						All	3500			
909545	81502	260124	9M902	0015										
909546	81502	260098	122K02	0018										
909547	81502	260400	No Replacement Repair With Individual Parts.							All	3500			
909548	81502	260124	9M902	0015										
909549	81502	260124	9M902	0015										
909550	81502	260098	9M902	0018										
909551	81502	260670	No Replacement Repair With Individual Parts.											
909552	81502	260096	9M902	0016										
909553	81502	260096	9M902	0016										
909554	81502	260096	9M902	0016										
909555	81592	260099	No Replacement Repair With Individual Parts.											
909556	81502	260405	No Replacement Repair With Individual Parts.											
909557	81502	260124	9M902	0015										
909558	81502	260235	9M902	0015			2	93061						
909559	81502	260124	9M902	0015										
909560	81502	260124	9M902	0015										
909561	81502	260670	No Replacement Repair With Individual Parts.											
909562	81502	260235	9M902	0015			2	93061						
909563	81502	260124	9M902	0015										
909564	81502	260124	9M902	0015										
909565	81502	260096	9M902	0016										
909566	81502	260097	No Replacement Repair With Individual Parts.											
909567	81502	260098	122K02	0018										
909568	81502	260098	9M902	0018										
909569	81502	260405	No Replacement Repair With Individual Parts.											
909570	81502	260124	9M902	0015										
909571	81502	260124	9M902	0015										
909572	81592	260099	No Replacement Repair With Individual Parts.											
909573	81592	260099	No Replacement Repair With Individual Parts.											
909574	81502	260096	9M902	0016										
909575	81502	260096	9M902	0016										
909576	81502	260124	9M902	0015										
909577	81502	260097	No Replacement Repair With Individual Parts.											
909578	81502	260124	9M902	0015										
909579	81502	260124	9M902	0015										
909580	81502	260124	9M902	0015										
909581	81502	260124	9M902	0015										
909582	81502	260124	9M902	0015										
909583	81502	260159	9M902	0015										
909584	81502	260096	9M902	0016										
909585	81502	260124	9M902	0015										
909586	81502	260124	9M902	0015										
909587	81502	260124	9M902	0015										
909588	81592	260099	No Replacement Repair With Individual Parts.											
909589	81502	260096	9M902	0016										
909590	81502	260096	9M902	0016										

81500 to 81599

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
909591	81502	260096	9M902	0016										
909592	81502	260096	9M902	0016										
909593	81502	260098	122K02	0018										
909594	81502	260096	9M902	0016										
909595	81502	260670	No Replacement Repair With Individual Parts.											
909596	81502	260096	9M902	0016										
909597	81502	260159	9M902	0015										
909598	81502	260670	No Replacement Repair With Individual Parts.											
909599	81502	260124	9M902	0015										
909600	81502	260124	9M902	0015										
909601	81502	260096	9M902	0016										
909602	81502	260405	No Replacement Repair With Individual Parts.											
909603	81501	260124	9M902	0015										
909604	81502	260124	9M902	0015										
909605	81503	260092	9M902	0016										
909606	81502	260124	9M902	0015										
909607	81502	260124	9M902	0015										
909608	81502	260124	9M902	0015										
909609	81502	260096	9M902	0016										
909610	81502	260124	9M902	0015										
909611	81502	260124	9M902	0015										
909612	81592	260099	No Replacement Repair With Individual Parts.											
909613	81502	260124	9M902	0015										
909614	81502	260124	9M902	0015										
909615	81502	260124	9M902	0015										
909616	81502	260096	9M902	0016										
909617	81506	260096	9M902	0016							All	4100		
909618	81502	260124	9M902	0015							All	3500		
909619	81502	260098	9M902	0018	1	692009	1	690843						
909620	81506	260098	9M902	0018										
909621	81502	260096	9M902	0016										
909622	81502	260096	9M902	0016										
909623	81502	260096	9M902	0016										
909624	81502	260124	9M902	0015										
909625	81506	260097	No Replacement Repair With Individual Parts.											
909626	81502	260124	9M902	0015							All	3500		
909627	81506	260124	9M902	0015										
909628	81506	260124	9M902	0015										
909629	81596	260099	No Replacement Repair With Individual Parts.											
909630	81596	260099	No Replacement Repair With Individual Parts.											
909631	81506	260096	9M902	0016										
909632	81502	260124	No Replacement Repair With Individual Parts.											
909633	81502	260124	9M902	0015										
909634	81502	260124	9M902	0015										
909635	81502	260124	9M902	0015										
909636	81502	260096	9M902	0016										
909637	81506	260124	9M902	0015										
909638	81506	260124	9M902	0015										
909639	81506	260096	9M902	0016										
909640	81502	260204	No Replacement Repair With Individual Parts.											
909641	81502	260207	9M902	0015										
909642	81502	260207	9M902	0015										
909643	81502	260416	9M902	0016										
909644	81502	260416	9M902	0016										
909645	81502	260133	No Replacement Repair With Individual Parts.											

81500 to 81599

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
909646	81502	260426	No Replacement Repair With Individual Parts.											
909648	81506	260096	122K02	0016										
909649	81502	260670	No Replacement Repair With Individual Parts.											
909650	81502	260670	No Replacement Repair With Individual Parts.											
909651	81502	260124	9M902	0015										
909652	81506	260098	122K02	0016										
909653	81506	260124	9M902	0015										
909654	81502	260124	9M902	0015										
909655	81502	260124	9M902	0015										
909656	81502	260124	9M902	0015										
909657	81592	260099	No Replacement Repair With Individual Parts.											
909658	81502	260097	No Replacement Repair With Individual Parts.											
909659	81506	260097	No Replacement Repair With Individual Parts.											
909660	81592	260099	No Replacement Repair With Individual Parts.											
909661	81506	260096	122K02	0016										
909662	81592	260099	No Replacement Repair With Individual Parts.											
909663	81592	260224	No Replacement Repair With Individual Parts.											
909664	81506	260096	122K02	0016										
909665	81506	260670	No Replacement Repair With Individual Parts.											
909666	81506	260235	9M902	0015			2	93061						
909667	81502	260096	9M902	0016										
909668	81506	260124	9M902	0015										
909669	81502	260096	9M902	0016										
909670	81506	260096	122K02	0016										
909671	81502	260093	No Replacement Repair With Individual Parts.											
909672	81502	260096	9M902	0016										
909673	81506	260124	9M902	0015						All	3500			
909674	81506	260096	122K02	0016										
909675	81502	260670	No Replacement Repair With Individual Parts.											
909676	81502	260124	9M902	0015										
909677	81506	260124	9M902	0015										
909678	81506	260124	9M902	0015										
909679	81502	260124	9M902	0015										
909680	81506	260124	9M902	0015										
909681	81502	260096	9M902	0016										
909682	81502	260670	No Replacement Repair With Individual Parts.											
909683	81502	260670	No Replacement Repair With Individual Parts.											
909684	81506	260096	122K02	0016										
909685	81506	260124	9M902	0015										
909686	81502	260096	9M902	0016										
909687	81506	260124	9M902	0015										
909688	81596	260099	No Replacement Repair With Individual Parts.											
909689	81502	260096	9M902	0016										
909690	81506	260124	9M902	0015										
909691	81596	260099	No Replacement Repair With Individual Parts.											
909692	81506	260400	No Replacement Repair With Individual Parts.											
909693	81502	260124	9M902	0015			1	692009				1	690843	
909694	81506	260124	9M902	0015										
909695	81502	260124	9M902	0015										
909696	81506	260096	122K02	0016										
909697	81502	260096	9M902	0016										
909698	81506	260096	9M902	0016										
909699	81502	260124	9M902	0015										
909700	81502	260124	9M902	0015										
909701	81502	260124	9M902	0015			1	692009				1	690843	

81500 to 81599

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	
909702	81506	260535	No Replacement Repair With Individual Parts.												
909703	81506	260124	9M902	0015	1	692009	1	690843							
909704	81502	260096	9M902	0016							All	3500			
909705	81506	260096	122K02	0016											
909706	81506	260096	122K02	0016											
909707	81502	260098	9M902	0018											
909708	81502	260124	9M902	0015	1	692009	1	690843							
909709	81502	260124	9M902	0015											
909710	81592	260099	No Replacement Repair With Individual Parts.												
909711	81506	260124	9M902	0015											
909712	81502	260124	9M902	0015											
909713	81506	260124	9M902	0015											
909714	81502	260096	9M902	0016							All	3500			
909715	81506	260124	9M902	0015							All	3500			
909716	81506	260097	No Replacement Repair With Individual Parts.									All	3300		
909717	81502	260096	9M902	0016											
909718	81506	260096	122K02	0016											
909719	81502	260124	9M902	0015							All	4100			
909720	81506	260124	9M902	0015							All	3500			
909721	81502	260096	9M902	0016							All	3500			
909722	81506	260124	9M902	0015											
909723	81506	260096	122K02	0016											
909724	81502	260096	9M902	0016							All	3500			
909725	81506	260096	122K02	0016							All	3500			
909726	81592	260224	No Replacement Repair With Individual Parts.									All	3500		
909727	81596	260224	No Replacement Repair With Individual Parts.									All	3500		
909728	81502	260400	No Replacement Repair With Individual Parts.												
909729	81502	260670	No Replacement Repair With Individual Parts.												
909730	81502	260670	No Replacement Repair With Individual Parts.									All	3500		
909731	81502	260670	No Replacement Repair With Individual Parts.									All	4100		
909732	81506	260670	No Replacement Repair With Individual Parts.									All	4100		
909733	81502	206124	9M902	0015											
909734	81502	260124	9M902	0015											
909735	81506	260124	9M902	0015											
909736	81506	260124	9M902	0015											
909737	81502	260096	9M902	0016											
909738	81502	260124	9M902	0015							All	3500			
909739	81506	260096	122K02	0016							All	3500			
909740	81506	260124	9M902	0015											
909741	81506	260096	122K02	0016											
909742	81502	260096	9M902	0016											
909743	81506	260096	122K02	0016											
909744	81502	260098	122K02	0018											
909745	81506	260098	122K02	0018											
909746	81502	260096	122K02	0016											
909747	81596	260224	No Replacement Repair With Individual Parts.									All	4100		
909748	81502	260096	9M902	0016							All	4100			
909749	81506	260096	122K02	0016							All	4100			
909750	81506	260097	No Replacement Repair With Individual Parts.												
909751	81502	260124	9M902	0015	1	692009	1	690843			All	3300			
909752	81506	260124	9M902	0015	1	692009	1	690843			All	3300			
909753	81506	260124	9M902	0015	1	692009	1	690843			All	3300			
909754	81502	260096	9M902	0016							All	3500			
909755	81506	260096	9M902	0015							All	3500			
909756	81502	260096	9M902	0016											

81500 to 81599

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
909757	81502	260400	No Replacement Repair With Individual Parts.								All	3500		
909758	81502	260096	9M902	0016							All	3500		
909759	81502	260124	9M902	0015							All	3500		
909760	81502	260124	9M902	0015							All	3500		
909761	81506	260124	9M902	0015							All	3500		
909762	81502	260096	9M902	0016							All	3500		
909763	81502	260096	9M902	0016							All	3500		
909764	81592	260224	No Replacement Repair With Individual Parts.								All	3500		
909765	81506	260097	No Replacement Repair With Individual Parts.								All	3500		
909766	81501	260390	9M902	0015										
909767	81502	260124	9M902	0015										
909768	81502	260370	No Replacement Repair With Individual Parts.								All	3500		
909769	81506	260670	No Replacement Repair With Individual Parts.								All	3500		
909770	81506	260124	9M902	0015										
909771	81502	260400	No Replacement Repair With Individual Parts.								All	3500		