

10A900 to 10A999

SERVICE ENGINE



SALES MANUAL

**MODEL 10A900 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 51:** Replacement engine listed is not available in the State of California. Repair with individual parts.
- NOTE 73:** Transfer Flywheel Assembly to the replacement engine.
- NOTE 88:** Transfer Muffler and/or Spark Arrester Assembly from the original engine if suitable for additional service or add new parts as required

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:

- NOTE R:** Cut off 1-7/16" on Flywheel end of Crankshaft.
- NOTE .:**
- NOTE FF:** Change Drive Shaft in Short Block. Remove 230948. Add 230831.
- NOTE PP:** Change Drive Shaft in Short Block. Remove 230831. Add 231213.
- NOTE ZZ:** Change Drive Shaft in Short Block. Add 231908.

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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
0015	10A902	496838	10M902	0015							All	3100	398210	
0016	10A902	496836	10M902	0016							All	3100	398211	
0018	10A902	496839	10M902	0018							All	3100	398213	
0050	10A982	496838	10A982	1650					51		All	3100	398215	
0051	10A982	496838	10A982	1651					51		All	3100	398214	
0106	10A902	496836	10M902	0016					88		All	3000	398211	
0107	10A902	496836	10M902	0016							All	3000	398211	
0108	10A902	496836	10M902	0016							All	3000	398211	
0151	10A902	496838	10M902	0015							All	3000	398210	
0155	10A902	496839	10M902	0018					88		All	3400	398213	
0156	10A902	496839	10M902	0018					73		All	3800	398213	
									88					
0157	10A902	496836	10M902	0016					73		All	3800	398211	
									88					
0158	10A902	496838	10M902	0015					88		All	3000	398210	
0159	10A982	496838	10A982	1650	1	230948	1	231908	51		All	3200	398215	ZZ
0160	10A902	496838	10M902	0015					88		All	3200	398210	
0161	10A902	496836	10M902	0016					73		All	3000	398211	
0162	10A902	496838	10M902	0015					88		All	3200	398210	
0163	10A902	496836	10M902	0016					73		All	3400	398211	
									88					
0164	10A902	496838	10M902	0015					88		All	3300	398210	
0165	10A982	496836	10A982	1651	1	230831	1	231908	51		All	2900	398216	ZZ
						1 691472	1	496836						
0166	10A902	496838	10M902	0015							All	3300	398210	

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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	
0167	10A982	496838	10A982	1650					51		All	3000	398215		
0168	10A902	496838	10M902	0015							All	3000	398210		
0169	10A982	496836	10A982	1650	1	230948	1	230831	51		All	3000	398217		
					1	691472	1	496836							
0170	10A902	496838	10M902	0015							All	3200	398210		
0171	10A902	496838	10M902	0015					88		All	3200	398210		
0172	10A902	496838	10M902	0015					88		All	3400	398210		
0173	10A982	496838	10A982	1650	1	230948	1	230831	51		All	3200	398215	FF	
0174	10A902	496837	No Replacement Repair With Short Block and/or Individual Parts									All	3600	398212	
0175	10A902	496838	10M902	0015							All	3000	398210		
0176	10A902	496838	10M902	0015							All	3200	398210		
0177	10A902	496836	10M902	0016							All	3200	398211		
0178	10A902	496838	10M902	0015					88		All	3200	398210		
0179	10A902	496838	10M902	0015					88		All	3200	398210		
0180	10A902	496838	10M902	0015					88		All	3200	398210		
0181	10A902	496838	10M902	0015					88		All	3000	398210		
0182	10A902	496836	10M902	0016					88		All	3000	398211		
0183	10A902	496839	10M902	0018							All	3000	398213		
0184	10A902	496836	10M902	0016							All	3000	398211		
0185	10A902	496839	10M902	0018							All	3300	398213		
0186	10A982	496838	10A982	1651					51		All	3200	398214		
0187	10A902	496838	10M902	0015							All	3000	398210		
0188	10A902	496838	10M902	0015							All	3200	398210		
0189	10A902	496838	10M902	0015							All	3200	398210		
0190	10A902	496839	10M902	0018	1	698719	1	790220	73		All	3700	398213		
									88						
0191	10A902	496838	10M902	0015							All	3200	398210		
0192	10A902	496838	10M902	0015					88		All	3200	398210		
0193	10A982	496836	10A982	1650	1	230948	1	231908	51		All	3000	398217	ZZ	
					1	691472	1	496836							
0194	10A902	496838	10M902	0015							All	3000	398210		
0195	10A902	496836	10M902	0016					88		All	3000	398211		
0196	10A902	496836	10M902	0016							All	3000	398210		
0197	10A982	496838	10A902	1650	1	230948	1	230831	51		All	3000	398215	FF	
0198	10A902	496837	No Replacement Repair With Individual Parts.									All	3600		
0199	10A982	496838	10A982	1650	1	230948	1	230831	51		All	3000	398215	FF	
0200	10A902	496838	10M902	0015							All	3300	398210		
0201	10A902	496838	10M902	0015							All	3000	398210		
0202	10A982	496838	10A982	1650	1	230948	1	230831	51		All	3000	398215	FF	
0203	10A902	496838	10M902	0015					88		All	3000	398210		
0204	10A902	496838	10M902	0015							All	3200	398210		
0205	10A902	496838	10M902	0015					88		All	3000	398210		
0206	10A982	496838	10A982	1650	1	230948	1	231908	51		All	3200	398215	ZZ	
0207	10A902	496838	10M902	0015							All	3300	398210		
0208	10A902	496838	10M902	0015	1	698719	1	790220	73		All	3600	398210		
									88						
0209	10A982	496838	10A982	1650	1	230948	1	231908	51		All	3200	398215	ZZ	
									88						
0210	10A902	496838	10M902	0015					88		All	3200	398210		
0211	10A982	496838	10A982	1650	1	230948	1	230831	51		All	3000	398215	FF	
									88						
0212	10A902	496838	10M902	0015							All	3300	398210		
0213	10A902	494838	10M902	0015					88		All	3100	398210		
0215	10A902	496836	10M902	0016					73		All	3100	398211		

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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
0216	10A902	496839	10M902	0018					73 88		All	3700	398213	
0217	10A902	496836	10M902	0016					88		All	3750	398211	
0219	10A982	496838	10A982	1650					51 88		All	3000	398215	
0220	10A902	496836	10M902	0016							All	3100	398211	
0221	10A902	496838	10M902	0015							All	3150	398210	
0222	10A902	496838	10M902	0016					88		All	3150	398211	
0223	10A902	496836	10M902	0016							All	3150	398211	
0224	10A902	496838	10M902	0015					88		All	3150	398210	
0226	10A902	496838	10M902	0015					88		All	3200	398210	
0227	10A902	496838	10M902	0015					88		All	3100	398210	
0228	10A902	496836	10M902	0016					88		All	3000	398211	
0229	10A902	496836	10M902	0016					88		All	3000	398211	
0230	10A982	496838	10A982	1650	1	230948	1	230831	51		All	3100	398215	FF
0231	10A982	496838	10A982	1650	1	230948	1	230831	51 88		All	3100	398215	FF
0232	10A902	496838	10M902	0015					88		All	3400	398210	
0233	10A902	496839	10M902	0018	1	698719	1	790220	73 88		All	3600	398213	
0234	10A902	496838	10M902	0015							All	3400	398210	
0235	10A902	496838	10M902	0015							All	3300	398210	
0236	10A902	498998	10M902	0016					88		All	3000	398211	
0239	10A902	496836	10M902	0016					88		All	3150	398211	
0240	10A902	496839	10M902	0018	1	698719	1	790220	73 88		All	3800	398213	
0241	10A902	496836	10M902	0016							All	3000	398211	
0242	10A902	496838	10M902	0015							All	3400	398210	
0243	10A902	496838	10M902	0015							All	3400	398210	
0244	10A902	496838	10M902	0015							All	3300	398210	
0245	10A902	496838	10M902	0015							All	3300	398210	
0246	10A902	496838	10M902	0015							All	3300	398210	
0247	10A902	496838	10M902	0015							All	3000	398210	
0248	10A902	496838	10M902	0015	1	698719	1	790220			All	3600	398210	
0249	10A902	496838	10M902	0015	1	698719	1	790220			All	3600	398210	
0250	10A902	496836	10M902	0016					88		All	3000	398211	
0251	10A902	496836	10M902	0016					88		All	3000	398211	
0420	10A902	496836	10M902	0016							All	3100	398211	
0423	10A902	496836	10M902	0016							All	3150	398211	
0426	10A902	496838	10M902	0015					88		All	3200	398210	
0430	10A982	496838	10A982	1650	1	230948	1	230831	51		All	3100	398215	FF
0439	10A902	496836	10M902	0016					88		All	3150	398211	
0471	10A902	496838	10M902	0015					88		All	3200	398210	
0478	10A902	496838	10M902	0015					88		All	3200	398210	
0479	10A902	496838	10M902	0015					88		All	3150	398210	
0483	10A902	496839	10M902	0018							All	3100	398213	
0505	10A902	496839	10M902	0018	1	698719	1	790220	73 88		All	3800	398213	
0506	10A902	496839	10M902	0018					73 88		All	3800	398213	
0615	10A902	496838	10M902	0015							All	3100	398210	
0616	10A902	496836	10M902	0016							All	3100	398211	
0618	10A902	496839	10M902	0018							All	3100	398213	
0650	10A982	496838	10A982	1650					51		All	3100	398215	
0651	10A982	496838	10A982	1651					51		All	3100	398214	

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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	
1019	10A982	691472	10A982	1651					51 88		All	3000	398214	R	
1020	10A902	691472	10M902	0015					88		All	3000	398210	R	
1021	10A902	691471	10M902	0016							All	3000	398211	R	
1022	10A902	691471	10M902	0016					88		All	3000	398211	R	
1023	10A902	691471	10M902	0016	1	698719	1	790220	73		All	3800	398211	R	
1024	10A902	695413	No Replacement Repair With Individual Parts.									All	3800		
1025	10A902	691471	10M902	0016					88		All	3000	398211	R	
1026	10A902	691471	10M902	0016					88		All	2900	398211	R	
1027	10A902	691471	10M902	0016							All	3000	398211		
1028	10A902	691471	10M902	0016					88		All	2800	398211	R	
1605	10A902	692989	10M902	0018	1	698719	1	790220	88		All	3800	398213	R	
1615	10A902	691472	10M902	0015							All	3100	398210	R	
1616	10A902	691471	10M902	0016							All	3100	398211	R	
1618	10A902	692989	10M902	0018							All	3100	398213	R	
1650	10A982	691472	STD.						51		All	3100	398215	R	
1651	10A982	691472	STD.						51		All	3100	398214	R	
2001	10A902	691472	10M902	0015							All	3200	398210	R	
2003	10A902	691471	10M902	0016							All	3100	398211	R	
2004	10A902	691472	10M902	0015	1	698719	1	698726	88		All	2850	398210	R	
2005	10A902	691472	10M902	0015							All	3100	398210	R	
2006	10A902	691472	10M902	0015					88		All	3050	398210	R	
2007	10A902	691472	10M902	0015					88		All	2950	398210	R	
2008	10A902	691472	10M902	0015	1	698719	1	792241	88		All	2850	398210	R	
2009	10A902	691471	10M902	0016					88		All	3000	398211	R	
2010	10A902	691472	10M902	0015	1	698719	1	792241	88		All	2850	398210	R	
2028	10A902	691472	10M902	0015					88		All	3400	398210	R	
2029	10A902	692989	10M902	0018					88		All	3050	398213	R	
2030	10A902	691471	10M902	0016							All	3000	398211	R	
2031	10A902	691472	10M902	0015							All	3300	398210	R	
2032	10A902	691471	10M902	0016					73		All	3000	398211	R	
2033	10A902	691471	10M902	0016							All	3000	398211		
2034	10A902	691472	10M902	0015	1	698719	1	790220	88		All	3600	398210	R	
2039	10A902	695413	No Replacement Repair With Individual Parts.									All	3800		
2040	10A902	691471	10M902	0016					88		All	3250	398211	R	
2050	10A902	691472	10M902	0015							All	3000	398210	R	
2052	10A902	691471	10M902	0016							All	3000	398211	R	
2064	10A902	691472	10M902	0015							All	3300	398210	R	
2067	10A982	691472	10A982	1650					51		All	3000	398215	R	
2070	10A902	691471	10M902	0016							All	3150	398211	R	
2072	10A902	691472	10M902	0015							All	3400	398210	R	
2073	10A902	691471	10M902	0016					88		All	3300	398211	R	
2075	10A902	691472	10M902	0015							All	3000	398210	R	
2082	10A902	691471	10M902	0016					73		All	3000	398211	R	
2083	10A902	692989	10M902	0018							All	3100	398213	R	
2084	10A902	691471	10M902	0016							All	3100	398211	R	
2087	10A902	691472	10M902	0015							All	3000	398210	R	
2090	10A902	692989	10M902	0018	1	698719	1	790220	88		All	3700	398213	R	
2091	10A902	691471	10M902	0016	1	698719	1	790220	73		All	3800	398211	R	
2092	10A902	691472	10M902	0015							All	3200	398210	R	
2094	10A902	691471	10M902	0016					88		All	3100	398211	R	
2101	10A902	691472	10M902	0015							All	3000	398210	R	
2106	10A902	691471	10M902	0016							All	3000	398211	R	
2107	10A902	691472	10M902	0015							All	3300	398210	R	
2108	10A902	691471	10M902	0016					88		All	2900	398211	R	

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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	
2109	10A902	691471	10M902	0016					73 88		All	3000	398211	R	
2110	10A902	691471	10M902	0016					88		All	2900	398211	R	
2121	10A902	691471	10M902	0016							All	3150	398211	R	
2122	10A902	691472	10M902	0015							All	3100	398210	R	
2123	10A902	691471	10M902	0016							All	3150	398211	R	
2124	10A902	691472	10M902	0015					88		All	3150	398210	R	
2125	10A982	691472	10A982	1650					51		All	2900	398215	R	
2126	10A902	691472	10M902	0015					88		All	3200	398210	R	
2128	10A902	691471	10M902	0016							All	3000	398211	R	
2130	10A982	691472	10A982	1650	1	230948	1	230831	51		All	3100	398215	R FF	
2131	10A982	691472	10A982	1650	1	230948	1	230831	51		All	3100	398215	R FF	
2132	10A902	691472	10M902	0015							All	3500	398210	R	
2135	10A902	691472	10M902	0015							All	3500	398210	R	
2139	10A902	691471	10M902	0016					88		All	3150	398211	R	
2140	10A902	692989	10M902	0018	1	698719	1	790220	88		All	3800	398213	R	
2142	10A902	691472	10M902	0015							All	3400	398210	R	
2143	10A902	691472	10M902	0015							All	3400	398210	R	
2145	10A902	691472	10M902	0015							All	3300	398210	R	
2146	10A902	691472	10M902	0015							All	3300	398210	R	
2148	10A902	691472	10M902	0015	1	698719	1	790220			All	3600	398210	R	
2149	10A902	691472	10M902	0015					88		All	3400	398210	R	
2151	10A902	691472	10M902	0015							All	3000	398210	R	
2152	10A902	691471	10M902	0016							All	3100	398211	R	
2153	10A902	691472	10M902	0015					88		All	2900	398210	R	
2164	10A902	691472	10M902	0015					88		All	3300	398210	R	
2169	10A982	691471	10A982	1650	1	230948	1	230831	51		All	3000	398215	R FF	
					1	691472	1	691471							
2171	10A902	691472	10M902	0015					88		All	3250	398210	R	
2172	10A912	692989	No Replacement Repair With Individual Parts.									All	3800		
2173	10A912	692989	No Replacement Repair With Individual Parts.									All	3800		
2180	10A902	692989	10M902	0018							All	3200	398213	R	
2189	10A902	691472	10M902	0015					88		All	3250	398210	R	
2190	10A902	691472	10M902	0015							All	3250	398210	R	
2233	10A902	692989	10M902	0018	1	698719	1	790220	73 88		All	3600	398213	R	
2234	10A902	691472	10M902	0015							All	3250	398210	R	
2250	10A902	691472	10M902	0015					88		All	3100	398210	R	
2251	10A902	691471	10M902	0016							All	3000	398211	R	
2252	10A902	692989	10M902	0018					88		All	3200	398213	R	
2254	10A982	691471	No Replacement Repair With Individual Parts.									All	3050		
2255	10A902	691472	10M902	0015	1	698719	1	790220	88		All	3600	398210	R	
2256	10A902	691472	10M902	0015							All	3000	398210	R	
2257	10A902	691472	10M902	0015	1	698719	1	790220	88		All	3600	398210	R	
2258	10A982	691472	10A982	1650	1	230948	1	231213	51 88		All	3150	398215	R PP	
2259	10A982	692989	10A982	1650	1	230948	1	231908	51	2259	All	3200			
					1	691472	1	692989	88						
2260	10A902	691472	10M902	0015							All	3000	398210	R	
2261	10A982	692989	10A982	1650	1	230948	1	231908	51	2261	All	3200			
					1	691472	1	499001							
2262	10A902	691472	10M902	0015							All	3000	398210	R	
2263	10A902	691472	10M902	0015							All	3000	398210	R	
2264	10A902	691472	10M902	0015					88		All	3150	398210	R	
2265	10A902	691472	10M902	0015	1	698719	1	790220	88		All	3800	398210	R	

10A900 to 10A999

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	
2266	10A912	693472	No Replacement Repair With Individual Parts.									All	3700		
2267	10A902	691472	10M902	0015								All	3300	398210	R
2268	10A902	691472	10M902	0015	1	698719	1	790220	88			All	3600	398210	R
2269	10A902	691472	10M902	0015					88			All	3250	398210	R
2270	10A902	691471	10M902	0016					73			All	3000	398211	R
2271	10A902	691472	10M902	0015					88			All	3250	398210	R
2272	10A902	691471	10M902	0016								All	3000	398211	R
2273	10A902	691472	10M902	0015								All	3150	398210	R
2274	10A902	691472	10M902	0015	1	698719	1	790220				All	3600	398210	R
2275	10A902	691471	10M902	0016								All	3000	398211	R
2277	10A902	691472	10M902	0015								All	3100	398210	R
2278	10A902	691471	10M902	0016								All	3100	398211	R
2279	10A902	692989	10M902	0018								All	3400	398213	R
2280	10A902	691472	10M902	0015					88			All	3300	398210	R
2281	10A902	691471	10M902	0016					88			All	3100	398211	R
2282	10A902	691471	10M902	0016					73			All	3400	398211	R
2283	10A912	693472	No Replacement Repair With Individual Parts.									All	3700		
2284	10A902	691472	10M902	0015								All	3300	398210	R
2285	10A982	692989	10A982	1650	1	230831	1	231908	51	2285		All	3100		
					1	691472	1	692989							
2286	10A902	692989	10M902	0018								All	3100	398213	R
2287	10A902	691471	10M902	0016								All	3100	398211	R
2288	10A902	691471	10M902	0016	1	698719	1	790220				All	3500	398211	R
2289	10A902	691472	10M902	0015	1	698719	1	790220				All	3600	398210	R
2290	10A902	691472	10M902	0015								All	3300	398210	R
2291	10A902	692989	10M902	0018								All	3200	398213	R
2292	10A902	691472	10M902	0015								All	3400	398210	R
2293	10A902	691472	10M902	0015								All	3300	398210	R
2294	10A902	691471	10M902	0016								All	2900	398211	R
2295	10A902	691472	10M902	0015					88			All	2900	398210	R
2297	10A902	691471	10M902	0016					88			All	3000	398211	R
2298	10A902	691472	10M902	0015					88			All	3300	398210	R
2299	10A902	691472	10M902	0015					88			All	3300	398210	R