

121700 to 121799**SERVICE ENGINE****SALES MANUAL****MODEL 121700 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 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 UU: Change Drive Shaft in Short Block. Add 231748.

NOTE VV: Change Drive Shaft in Short Block. Add 231711.

121700 to 121799

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	121702	493282	122K02	0525							All	3000	498829	
0116	121702	493282	122K02	0525					88		All	3000	498829	
0117	121702	493381	12F802	2926					51 88		All	3000	498830	
0118	121702	493381	12F802	2926					51 88		All	3000	498830	
0119	121702	493362	122K02	0515					88		All	3000	498826	
0120	121702	493362	122K02	0515					88		All	3000	498826	
0121	121702	493363	122K02	0516					88		All	3000	498827	
0122	121702	493363	122K02	0516					88		All	3000	498827	
0123	121782	493362	122K82	0551					88		All	3000	498833	
0124	121707	493362	No Replacement Repair With Short Block and/or Individual Parts								All	3000	498826	
0125	121707	493363	No Replacement Repair With Short Block and/or Individual Parts								All	3000	498827	
0126	121702	493363	122K02	0516					88		All	3000	498827	
0127	121702	493363	122K02	0516							All	3100	498827	
0128	121702	493381	12F802	2926					51 88		All	3000	498830	
0129	121702	493363	122K02	0516					88		All	3000	498827	
0130	121702	493362	122K02	0515							All	3300	498826	
0131	121702	493381	12F802	2926					51		All	3100	498830	
0132	121707	493381	No Replacement Repair With Short Block and/or Individual Parts								All	3100	498830	
0133	121702	493363	122K02	0516							All	3000	498827	
0134	121702	493381	12F802	2926					51		All	3200	498830	
0135	121702	493362	122K02	0515							All	3000	498826	
0136	121702	493381	12F802	2926					51		All	3000	498830	
0137	121702	493381	12F802	2926					51		All	3200	498830	
0138	121702	493381	12F802	2926					51		All	3200	498830	
0139	121702	493381	12F802	2926					51		All	3000	498830	
0140	121702	493362	122K02	0515							All	3000	498826	

121700 to 121799

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
0141	121702	493282	122K02	0525	1	690319	1	691851			All	3300	498829	
0142	121702	493363	122K02	0516							All	3100	498826	
0143	121702	493363	122K02	0516							All	3300	498827	
0145	121702	493363	122K02	0516	1	262665	1	262664			All	3300	498827	
0146	121702	493566	No Replacement Repair With Individual Parts.								All	3100		
0147	121702	493363	122K02	0516							All	3000	498827	
0148	121707	493362	No Replacement Repair With Short Block and/or Individual Parts								All	3300	498826	
0149	121702	493363	122K02	0516							All	3100	498827	
0150	121702	493362	122K02	0515					88		All	3100	498826	
0151	121782	493362	122K82	0051					88		All	3100	498833	
0152	121787	493362	No Replacement Repair With Short Block and/or Individual Parts								All	3100	498833	
0153	121702	493566	No Replacement Repair With Individual Parts.								All	3100		
0154	121707	493381	No Replacement Repair With Short Block and/or Individual Parts								All	3000	498830	
0155	121702	493362	122K02	0515	1	690319	1	691851	88		All	3300	498826	
0156	121702	493282	122K02	0525	1	690319	1	691851			All	3300	498829	
0157	121702	493282	122K02	0525							All	3100	498829	
0158	121702	493362	122K02	0515	1	690319	1	691851			All	3300	498826	
0159	121702	493362	122K02	0515							All	3200	498826	
0160	121702	493362	122K02	0515	1	690319	1	691291	88		All	3700	498826	
0161	121702	493362	122K02	0515					88		All	3100	498826	
0162	121707	493381	No Replacement Repair With Short Block and/or Individual Parts								All	3300	498830	
0163	121702	493362	122K02	0515							All	2900	498826	
0164	121707	493362	No Replacement Repair With Short Block and/or Individual Parts								All	2900	498826	
0165	121702	493363	122K02	0516					88		All	2900	498827	
0166	121707	493363	No Replacement Repair With Short Block and/or Individual Parts								All	2900	498827	
0167	121702	493362	122K02	0515					88		All	3000	498826	
0168	121707	493362	No Replacement Repair With Short Block and/or Individual Parts								All	3000	498826	
0169	121702	493363	122K02	0516					88		All	3000	498827	
0170	121787	493362	No Replacement Repair With Short Block and/or Individual Parts								All	3000	498826	
0171	121702	493381	12F802	2926					51		All	3200	498830	
0172	121702	493381	12F802	2926					51		All	3100	498830	
0173	121702	493282	122K02	0525							All	3000	498829	
0174	121782	493282	122K82	0051	1	492669	1	492668			All	3000		
					1	690527	1	691450						
					1	691451	1	691778						
0175	121702	493381	12F802	2926					51		All	3100	498830	
0176	121787	493282	No Replacement Repair With Individual Parts.								All	3000		
0177	121702	493381	12F802	2926	1	690319	1	691851	51		All	3300	498830	
									88					
0178	121702	493437	122K02	0518	1	690319	1	691851	88		All	3300	498828	
0179	121702	493282	122K02	0525	1	690319	1	691851	88		All	3300	498829	
0180	121702	493362	122K02	0515					88		All	3000	498826	
0181	121702	493362	122K02	0515							All	3000	498826	
0182	121702	493437	122K02	0518	1	690319	1	691851	88		All	3300	498828	
0183	121702	493362	122K02	0515					88		All	3100	498826	
0184	121707	493362	No Replacement Repair With Short Block and/or Individual Parts								All	3100	498826	
0185	121702	493362	122K02	0515							All	3100	498826	
0186	121702	493381	12F802	2926					51		All	3100	498830	
									88					
0187	121702	493282	122K02	0525	1	690319	1	691851	88		All	3300	498829	
0188	121702	493282	122K02	0525	1	690319	1	691851			All	3300	498829	
0189	121702	493363	122K02	0516							All	3000	498827	
0190	121702	493566	No Replacement Repair With Individual Parts.								All	3100		
0191	121702	493282	122K02	0525	1	690319	1	691851	88		All	3300	498829	

121700 to 121799

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	
0192	121707	493566	No Replacement Repair With Individual Parts.									All	3100		
0193	121702	493381	12F802	2926					51		All	3200	498830		
0194	121707	493381	No Replacement Repair With Short Block and/or Individual Parts									All	3200	498830	
0195	121707	493381	No Replacement Repair With Short Block and/or Individual Parts									All	3200	498830	
0196	121702	493363	122K02	0516							All	3000	498827		
0197	121782	493362	122K82	0050	1	690319	1	691788			All	3200	498834		
0198	121707	493381	No Replacement Repair With Short Block and/or Individual Parts									All	3100	498830	
0199	121707	493381	No Replacement Repair With Short Block and/or Individual Parts									All	3200	498830	
0200	121702	493363	122K02	0516					88		All	3000	498827		
0201	121702	493362	122K02	0515					88		All	3000	498826		
0202	121707	493282	No Replacement Repair With Short Block and/or Individual Parts									All	3300	498829	
0203	121702	493363	122K02	0516					88		All	3000	498827		
0204	121702	493282	122K02	0525					88		All	3100	498829		
0205	121702	493566	No Replacement Repair With Individual Parts.									All	3100		
0206	121707	493566	No Replacement Repair With Individual Parts.									All	3100		
0207	121707	493363	No Replacement Repair With Short Block and/or Individual Parts									All	3000	498827	
0208	121782	493362	122K82	0051					88		All	3100	498833		
0209	121787	493362	No Replacement Repair With Short Block and/or Individual Parts									All	3100	498833	
0210	121702	493363	122K02	0516							All	3000	498827		
0211	121707	493282	No Replacement Repair With Short Block and/or Individual Parts									All	3200	498829	
0212	121702	493363	122K02	0516							All	3100	498827		
0213	121782	493362	122K82	0050	1	492177	1	492893			All	3300	498834		
						1	690319	1	691788						
						1	690522	1	691851						
0214	121702	493362	122K02	0515					88		All	3000	498826		
0215	121702	493363	122K02	0516	1	492177	1	492893	88		All	3100	498827		
0216	121707	493363	No Replacement Repair With Short Block and/or Individual Parts									All	3000	498827	
0217	121702	493362	122K02	0515					88		All	3000	498826		
0218	121702	493282	122K02	0525					88		All	2900	498829		
0219	121702	493363	122K02	0516					88		All	3000	498827		
0220	121707	493381	No Replacement Repair With Short Block and/or Individual Parts									All	2950	498830	
0221	121702	493363	122K02	0516					88		All	3100	498827		
0222	121702	493363	122K02	0516							All	3100	498827		
0223	121702	493282	122K02	0525					88		All	3000	498829		
0224	121702	493363	122K02	0516					88		All	3200	498827		
0225	121707	493282	No Replacement Repair With Short Block and/or Individual Parts									All	3300	498829	
0226	121702	493362	122K02	0515							All	3000	498826		
0227	121702	493363	122K02	0516	1	262665	1	262664	88		All	3300	498827		
						1	492177	1	492893						
0228	121702	493362	122K02	0515					88		All	3100	498826		
0229	121702	493282	122K02	0525					88		All	3100	498829		
0230	121702	493282	122K02	0525	1	690319	1	691851			All	3300	498829		
0231	121702	493282	122K02	0525	1	690319	1	691851			All	3300	498829		
0232	121702	493282	122K02	0525	1	690319	1	691851	88		All	3300	498829		
0233	121702	493362	122K02	0515	1	690319	1	691851			All	3300	498826		
0234	121702	493363	122K02	0516	1	262665	1	262664			All	3300	498827		
0235	121702	493282	122K02	0525							All	3200	488829		
0236	121702	493381	12F802	2926					51		All	3200	498830		
0237	121702	493381	12F802	2926					51		All	3000	498830		
0238	121707	493381	No Replacement Repair With Short Block and/or Individual Parts									All	3000	498830	
0239	121707	493362	No Replacement Repair With Short Block and/or Individual Parts									All	3300	498826	
0240	121702	493362	122K02	0515							All	3100	498826		
0241	121702	493362	122K02	0515							All	3000	498826		
0242	121707	493362	No Replacement Repair With Short Block and/or Individual Parts									All	3300	498826	
0243	121707	493362	No Replacement Repair With Short Block and/or Individual Parts									All	3000	498826	

121700 to 121799

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	
0244	121707	493362	No Replacement Repair With Short Block and/or Individual Parts									All	3000	498826	
0245	121702	493362	122K02	0515					88		All	3000	498826		
0246	121702	493363	122K02	0516					88		All	3100	498827		
0247	121702	493566	No Replacement Repair With Individual Parts.									All	3100		
0248	121702	493362	122K02	0515	1	690319	1	691851	88		All	3300	498826		
0249	121702	493362	122K02	0515					88		All	3000	498826		
0250	121702	493282	122K02	0525									498829		
0251	121702	493946	12F802	2926					51 88		All	3200	498830		
0252	121702	493566	No Replacement Repair With Individual Parts.									All	3300		
0253	121707	493362	No Replacement Repair With Short Block and/or Individual Parts									All	3000	498826	
0254	121782	493362	122K82	0051	1	690319	1	691851	88		All	3300	498833		
0255	121702	493946	12F802	2926					51 88		All	3000	498830		
0256	121702	493363	122K02	0516					88		All	3100	498827		
0257	121702	493362	122K02	0515					88		All	3000	498826		
0258	121702	493362	122K02	0515					88		All	3000	498826		
0259	121707	493282	No Replacement Repair With Short Block and/or Individual Parts									All	3300	498829	
0260	121702	493282	122K02	0525	1	690319	1	691851			All	3300	498829		
0261	121702	493362	122K02	0515					88		All	3000	498826		
0262	121782	493282	122K82	0051	1	691451	1	691450	88		All	3000			
0263	121702	493946	12F802	2926					51 88		All	2950	498830		
0264	121702	493362	122K02	0515							All	3000	498826		
0265	121702	493437	122K02	0518	1	690319	1	691851			All	3300	498828		
0266	121707	493282	No Replacement Repair With Short Block and/or Individual Parts									All	3300	498829	
0267	121702	493282	122K02	0525	1	690319	1	691851			All	3300	498829		
0268	121702	493363	122K02	0516					88		All	3000	498827		
0269	121787	493282	No Replacement Repair With Individual Parts.									All	3000		
0270	121702	493363	122K02	0516							All	3100	498827		
0271	121702	493363	122K02	0516	1	262665	1	262664	88		All	3300	498827		
0272	121702	493946	12F802	2926					51 88		All	2900	498830		
0273	121782	493362	122K82	0051	1	690319	1	691851			All	3300	498833	UU	
0274	121702	493362	122K02	0515							All	3000	498826		
0275	121702	493437	122K02	0518	1	690319	1	691851			All	3300	498828		
0276	121702	493946	12F802	2926					51 88		All	3300	498830		
0413	121702	493282	122K02	0525					88		All	3000	498829		
0414	121702	493946	12F802	2926					51 88		All	3000	498830		
0415	121702	493362	122K02	0515					88		All	3000	498826		
0416	121702	493363	122K02	0516					88		All	3000	498827		
0417	121707	493362	122K07	0560					88		All	3000	498826		
0418	121702	493362	122K02	0515					88		All	3000	498826		
0419	121707	493362	122K07	0560					88		All	3000	498826		
0420	121702	493363	122K02	0516					88		All	3000	498827		
0426	121707	493363	No Replacement Repair With Short Block and/or Individual Parts									All	3000	498827	
0427	121787	493363	No Replacement Repair With Individual Parts.									All	3000		
0428	121702	493363	122K02	0516	1	262665	1	262664			All	3300	498827		
0463	121702	493282	122K02	0525					88		All	3000	498829		
0464	121702	493946	12F802	2926					51 88		All	3000	498830		
0465	121702	493362	122K02	0515					88		All	3000	498826		
0466	121702	493363	122K02	0516					88		All	3000	498827		

121700 to 121799

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
3106	121702	493282	122K02	0525							All	3000	498829	
3115	121702	493282	122K02	0525							All	3200	498829	
3116	121707	493282	122K07	0560	1	691451	1	691450	88		All	3100	498829	
3117	121702	493362	122K02	0515							All	3100	498826	
3118	121702	493362	122K02	0515							All	3100	498826	
3119	121702	493362	122K02	0515							All	3100	498826	
3120	121702	493362	122K02	0515							All	3100	498826	
3121	121782	493362	122K82	0051							All	3100	498833	UU
3122	121702	493363	122K02	0516							All	3100	498827	
3123	121702	493362	122K02	0515	1	690319	1	691851			All	3300	498826	
3124	121702	493437	122K02	0518							All	3100	498828	
3125	121702	493381	12F802	2926					51 88		All	3000	498830	
3126	121702	493381	12F802	2926	1	690319	1	691851	51		All	3400	498830	
3127	121702	493282	122K02	0525							All	3100	498829	
3128	121702	493282	122K02	0525							All	3100	498829	
3130	121702	493433	12F702	2624					51		All	3200		
3131	121702	493363	122K02	0516							All	3100	498827	
3132	121702	493282	122K02	0525	1	690319	1	691851			All	3400	498829	
3133	121782	493433	No Replacement Repair With Short Block and/or Individual Parts								All	3300	498831	
3134	121702	493282	122K02	0525	1	690319	1	691851			All	3400	498829	
3135	121702	493381	12F802	2926	1	690319	1	691851	51		All	3400	498830	
3136	121702	493381	12F802	2926	1	690319	1	691851	51		All	3500	498830	
3137	121702	493362	122K02	0515							All	3100	498826	
3138	121707	493282	122K07	0560	1	691451	1	691450	88		All	3000	498829	
3139	121702	493362	122K02	0515					88		All	3000	498826	
3140	121702	493282	122K02	0525							All	3000	498829	
3141	121702	493282	122K02	0525	1	690319	1	691851			All	3400	498829	
3142	121702	493437	122K02	0518							All	3000	498828	
3143	121782	493362	122K82	0051							All	3000	498833	
3144	121702	493362	122K02	0515							All	3000	498826	
3145	121702	493381	12F802	2926					51		All	3200	498830	
3146	121782	493362	122K82	0051	1	690522	1	690521			All	3100	498833	VV
3147	121702	493363	122K02	0516							All	2900	498827	
3148	121702	493362	122K02	0515	1	690319	1	691851			All	3300	498826	
3153	121702	493282	122K02	0525					88		All	2900	498829	
3154	121782	493282	122K82	0051	1	691451	1	691450	88		All	2900		
3155	121707	493282	122K07	0560	1	691451	1	691450	88		All	3100	498829	
3156	121702	493282	122K02	0525					88		All	2900	498829	
3157	121707	493282	122K82	0051	1	691451	1	691450	88		All	2900		
3158	121702	493362	122K02	0515	1	690319	1	691851			All	3300	498826	
3179	121702	493433	12F702	2624							All	3100	498831	
3180	121702	493362	122K02	0515							All	3100	498826	
3185	121702	493362	122K02	0515							All	3100	498826	
3196	121702	493362	122K02	0515							All	3200	498826	
4000	121702	493381	12F802	2926					51 88		All	3100	498830	
4001	121702	493282	122K02	0525					88		All	3100	498829	
4002	121702	493363	122K02	0516					88		All	3100	498827	
4003	121702	493362	122K02	0515					88		All	3100	498826	
4007	121702	493362	122K02	0515					88		All	3100	498826	
4008	121702	493362	122K02	0515					88		All	3000	498826	
4009	121702	493362	122K02	0515							All	3100	498826	
7015	121702	493362	122K02	0515							All	3100	498826	

121700 to 121799

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
7016	121702	493363	122K02	0516							All	3100	498827	
7018	121702	493437	122K02	0518							All	3100	498828	
7024	121702	493433	12F702	2624							All	3100	498831	
7025	121702	493282	122K02	0525							All	3100	498829	
7026	121702	493381	12F802	2926					51		All	3100	498830	
7051	121782	493362	122K82	0051							All	3100	498833	