

195400 to 195499

SERVICE ENGINE  **SALES MANUAL**

**MODEL 195400 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 15:** For all Go-Karts use only a Model 136200 series engine as a replacement, regardless of the original Model.
- NOTE 16:** Gear Red. @ 12 o'clock.
- NOTE 17:** Gear Red. @ 3 o'clock.
- NOTE 30:** If the replacement engine supersedes to or is a Model 200000 series engine, refer to the illustrations located after the conversion data for this model series. To make the crankshaft center line the same add 695154 spacer kit, other overall dimensions which differ, are shown in the illustrations. If after making a visual inspection and it is determined the Model 200000 series engine cannot be used because of equipment interference, the original engine should be repaired with a short block and/or individual parts.
- 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.
- NOTE 38:** Original engine is acceptable to use Model 284707 Type No. 1026 as an economical replacement alternative.

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 RR:** Change Exhaust Valve Retainer. Remove 292260. Add 68293.

195400 to 195499

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	195431	393743	203432	0036					15 30		01 02	3600 3000		
0111	195432	393743	203432	0036					15 30		01	3600		
0112	195432	394008	202432	0035					15 30		All	3600	398294	
0113	195432	393746	205432	0038					15 30		01	3600	398292	
0120	195437	393743	203437	0041					15 30		01	3600		
0130	195432	393746	No Replacement Repair With Individual Parts.						15		01	3100	398292	
0131	195432	393743	203432	0036					15 30		All	3700		
0132	195432	394008	202432	0035					15 30		All	3600	398294	
0133	195432	393746	205432	0038					15 30		01	3800	398292	
0134	195437	393746	No Replacement Repair With Individual Parts.						15		01	3750	398292	
0135	195432	393746	205432	0038					15 30		01 02 03 04 05 06	3750 3200 3200 3200 3750 3100	398292	

195400 to 195499

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
0136	195432	393746	205432	0038					15 30		01	3750	398292	
0137	195432	393743	203432	0036					15 30		01	3600		
0138	195432	393743	203432	0036					15 30		01	3600		
0139	195432	393743	203432	0036					15 30		01	3600		
0140	195432	393743	203432	0036					15 30		01	3600		
0141	195431	393743	203432	0036					15 30		01	3600		
0142	195431	393743	203432	0036					15 30		01	3600		
0143	195431	393743	203432	0036					15 30		All	3600		
0144	195432	393743	203432	0036					15 30		01	2700		
0145	195432	393746	205432	0038					15 30		01	3700	398292	
0146	195432	393746	205432	0038					15 30		01	1850	398292	
0147	195432	393743	203432	0036					15 30		01	3600		
0148	195432	393743	203432	0036					15 30		01	3600		
0149	195432	393945	202432	0063					15 30		All	3500		
0150	195437	393945	202437	0033					15 30		All	3500		
0151	195432	393746	205432	0038					15 30		01	3800	398292	
0152	195432	393743	203432	0036					15 30		01	3600		
0153	195431	393743	203432	0036					15 30		01	3600		
0154	195432	393746	205432	0038					15 30		01	3600	398292	
0155	195432	393743	203432	0036					15 30		01	3900		
0156	195431	393746	205432	0038					15 30		01	3600	398292	
0157	195432	393743	203432	0036					15 30		01	3600		
0158	195432	393746	205432	0038					15 30		01	3100	398292	
0159	195432	393743	203432	0036					15 30		01	3600		
0160	195431	394008	202432	0035					15 30		All	3600	398294	
0161	195432	393743	203432	0036					15 30		All	3600		
0162	195432	393743	203432	0036					15 30		01	3000		
0163	195452	394244	202452	0049					15 30		01	2900		
0164	195437	393743	203437	0041					15 30		01	3600		

195400 to 195499

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
0165	195437	393743	203437	0041					15 30		01	3600		
0166	195432	393746	No Replacement Repair With Individual Parts.						15		01	1900	398292	
0167	195432	394008	202432	0035					15 30		01	3600	398294	
0168	195432	393746	205432	0038					15 30		01	3000	398292	
0169	195432	393746	205432	0038					15 30		01	3600	398292	
0170	195432	393746	205432	0038					15 30		01	3100	398292	
0171	195432	393746	205432	0038					15 30		01	3100	398292	
0172	195437	393743	203437	0041					15 30		01	3600		
0173	195452	394644	202452	0049					15 30		01	3600		
0174	195431	393743	203432	0036					15 30		01	3600		
0175	195432	394008	202432	0035					15 30		01	3600	398294	
0176	195432	393746	205432	0038					15 30		01	3100	398292	
0177	195432	393743	203432	0036					15 30		01	3600		
0178	195432	393743	203432	0036					15 30		01	2700		
0179	195432	394392	No Replacement Repair With Individual Parts.						15		01	3800		
0180	195452	394244	202452	0049					15 16 30		01	3600		
0181	195432	393746	205432	0038					15 30		01	3150	398292	
0182	195432	394008	202432	0035					15 30		01	3600	398294	
0183	195432	393743	203432	0036					15 30		01	3600		
0184	195437	394392	No Replacement Repair With Individual Parts.						15		01	3800		
0185	195431	393746	205432	0038					15 30		All	3000	398292	
0186	195452	394244	202452	0049					15 30		01	2900		
0187	195431	393743	203432	0036					15 30		All	3600		
0188	195432	394008	202432	0035					15 30		01	3600	398294	
0189	195456	394244	202452	0049					15 30		01	3600		
0190	195432	393743	203432	0036					15 30		01	3200		
0191	195452	394244	202452	0049					15 30		01	3600		
0192	195432	393746	205432	0038					15 30		01	3100	398292	
0193	195432	393746	205432	0038					15 30		01	3200	398292	
0194	195432	393746	205432	0038					15 30		01	3200	398292	

195400 to 195499

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
0195	195451	394244	202452	0049					15 30		01	3600		
0196	195432	393746	205432	0038					15 30		01	3200	398292	
0197	195432	393746	205432	0038					15 30		01	3100	398292	
0198	195431	393743	203432	0036					15 30		01	4000		
0200	195432	393743	203432	0036					15 30		All	3600		
0201	195432	393743	203432	0036					15 30		01	3800		
0202	195451	394244	202452	0049					15 30		01	3600		
0203	195432	394359	No Replacement Repair With Individual Parts.						15		01	3600		
0204	195432	393743	203432	0036					15 30		01	4000		
0205	195432	394008	202432	0035					15 30		01	3600	398294	
0206	195431	393743	202432	0036					15 30		01	3600		
0207	195432	393746	205432	0038					15 30		01	3600	398292	
0208	195435	393746	No Replacement Repair With Individual Parts.						15		01	3600	398292	
0209	195432	394741	202432	0036					15 30		01	3100		
0210	195431	393743	203432	0036					15 30		All	3600		
0211	195432	393746	205432	0038					15 30		01	3100	398292	
0212	195432	393743	203432	0036					15 30		01	3600		
0213	195432	393746	No Replacement Repair With Individual Parts.						15		01	3150	398292	
0214	195432	393746	205432	0038					15 30		01	3700	398292	
0215	195435	393746	No Replacement Repair With Individual Parts.						15		01	3600	398292	
0216	195432	393743	203432	0036					15 30		01	3600		
0217	195432	393746	No Replacement Repair With Individual Parts.						15		01	3600	398292	
0218	195432	393746	205432	0038					15 30		01	3750	398292	
0219	195432	393746	205432	0038					15 30		01	3700	398292	
0220	195452	394244	202452	0049					15 30		01	2900		
0221	195432	393743	203432	0036					15 30		01	3600		
0222	195432	393743	203432	0036					15 30		01	3600		
0223	195452	394244	202452	0049					15 17 30		01	2900		
0224	195432	394008	202432	0035					15 30		01	3600	398294	
0225	195452	394244	202452	0049					15 30		01	3600		
0226	195437	393746	No Replacement Repair With Individual Parts.						15		01	3700	398292	

195400 to 195499

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
0227	195437	393743	203437	0041					15 30		01	3600		
0228	195432	394008	202432	0035					15 30		01	3600	398294	
0229	195432	393746	205432	0038					15 30		01	3100	398292	
0230	195431	393743	203432	0036					15 30		01	3600		
0231	195452	394244	202452	0049					15 30		01	2900		
0232	195436	393743	No Replacement Repair With Individual Parts.						15		01	3600		
0233	195432	393746	205432	0038					15 30		01	3750	398292	
0234	195432	393743	203432	0036					15 30		01	4000		
0235	195432	393743	203432	0036					15 30		01	3600		
0236	195451	394244	202452	0049					15 30		01	3600		
0237	195431	393743	203432	0036					15 30		01	3600		
0238	195432	393743	203432	0036					15 30		01	3600		
0239	195451	394244	202452	0049					15 30		01	3600		
0240	195437	394392	No Replacement Repair With Individual Parts.						15		01	3200		
0241	195431	394359	No Replacement Repair With Individual Parts.						15		01 02	3600 3750		
0242	195432	393746	205432	0038					15 30		01	3750	398292	
0243	195432	394392	No Replacement Repair With Individual Parts.						15		01	3200		
0244	195437	393743	203437	0041					15 30		01	3600		
0245	195431	393743	203432	0036					15 30		01	3000		
0246	195432	393746	205432	0038					15 30		01	2250	398292	
0247	195432	393746	205432	0038					15 30		01	3200	398292	
0248	195432	393746	205432	0038					15 30		01	3700	398292	
0249	195432	393743	203432	0036					15 30		01	4000		
0250	195435	393746	No Replacement Repair With Individual Parts.						15		01	3750	398292	
0251	195432	393743	205432	0038					15 30		01	3600		
0252	195437	393743	203437	0041					15 30		01	3600		
0253	195432	393746	205432	0038					15 30		01	3600	398292	
0254	195432	394008	202432	0035					15 30		01	3200	398294	
0255	195432	393743	203432	0036					15 30		01	4000		
0256	195436	393743	203432	0036					15 30		01	3600		
0257	195432	394741	202432	0036					15 30		All	3100		

195400 to 195499

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
0258	195432	393743	203432	0036					15 30		01	3300		
0260	195432	393743	203432	0036					15 30		01	3600		
0261	195432	393746	205432	0038					15 30		01	3100	398292	
0262	195452	394244	202452	0049					15 30		01	3600		
0263	195432	394741	202432	0036					15 30		01	3600		
0264	195432	393746	205432	0038					15 30		01	3100	398292	
0265	195432	393746	205432	0038					15 30		01	3100	398292	
0266	195432	394741	202432	0036					15 30		01	3100		
0267	195431	393743	203432	0036					15 30		01	3600		
0268	195437	393743	203437	0041					15 30		01	3600		
0269	195456	394244	No Replacement Repair With Individual Parts.						15		01	2800		
0270	195432	393743	203432	0036					15 30		01	3600		
0271	195432	393743	203432	0036					15 30		01	3600		
0272	195432	393743	203432	0036					15 30		01	3600		
0273	195432	393743	203432	0036					15 30		01	3600		
0274	195452	394244	202452	0049					15 17 30		01	2900		
0275	195432	394741	202432	0036					15 30		01	3800		
0276	195436	393743	No Replacement Repair With Individual Parts.						15		01	4000		
0277	195432	393743	203432	0036					15 30		01	4000		
0278	195432	393743	203432	0036					15 30		01	3600		
0279	195432	393746	205432	0038					15 30		01	3100	398292	
0280	195432	393743	203432	0036					15 30		01	3600		
0281	195437	393746	No Replacement Repair With Individual Parts.						15		01	3750	398292	
0282	195437	393743	203437	0041					15 30		01	3600		
0283	195432	393746	205432	0038					15 30		01	3100	398292	
0284	195432	393746	205432	0038					15 30		01	3100	398292	
0285	195432	393743	203432	0036					15 30		01	3600		
0286	195432	393743	203432	0036					15 30		01	3600		
0287	195431	394359	No Replacement Repair With Individual Parts.						15		01	3600		
0288	195432	393743	203432	0036					15 30		01	3200		
0289	195436	393743	No Replacement Repair With Individual Parts.						15		01	4000		

195400 to 195499

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
0290	195432	393746	205432	0038					15 30		01	3600	398292	
0291	195432	393945	202432	0063					15 30		All	3500		
0292	195437	393945	202437	0033					15 30		All	3500		
0293	195432	393746	205432	0038					15 30		01	3100	398292	
0294	195432	393746	205432	0038					15 33		01	3100	398292	
0295	195432	393743	203432	0036					15 30		01	3800		
0296	195436	393743	No Replacement Repair With Individual Parts.						15		01	3600		
0297	195432	393743	203432	0036					15 30		01	4000		
0298	195432	393743	203432	0036					15 30		01	3200		
0299	195432	393746	205432	0038					15 33		01	3200	398292	
0300	195432	393746	203432	0036					15		01	3000		
0301	195432	393746	203432	0036					15 30		01	3600		
0302	195436	393746	No Replacement Repair With Individual Parts.						15		01	4000		
0303	195431	393746	203432	0036					15 30		01	3600		
0304	195432	394008	202432	0035					15 30		01	3600	398294	
0305	195432	393743	203432	0036					15 30		01	3450		
0306	195432	393746	205432	0038					15 30		01	3150	398292	
0307	195432	393746	205432	0038					15 30		01	3700	398292	
0308	195452	394244	202452	0049					15 30		01	3600		
0309	195432	394741	202432	0036					15 30		01	3100		
0310	195432	393743	203432	0036					15 30		01	4000		
0311	195432	393743	203432	0036					15 30		01	3600		
0312	195452	394244	202432	0049					15 17 30		01	2900		
0313	195432	393743	203432	0036					15 30		01	4000		
0314	195452	394244	202452	0049					15 30		01	4000		
0315	195437	393743	203437	0041					15 30		01	4000		
0316	195432	393743	203432	0036					15 30		01	3600		
0600	195432	493292	203432	0036					15 30		01	3600		
0601	195431	493292	203432	0036					15 30		01	3600		
0602	195432	492449	202432	0035					15 30		01	3600	398294	

195400 to 195499

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
0603	195432	492471	205432	0038					15 30		01	3600	398292	
0604	195452	492470	202452	0049					15 30		01	3600		
0605	195437	493292	203437	0041					15 30		01	3600		
0620	195432	493292	203432	0036					15 30		01	4000		
0621	195431	492449	202432	0035					15 30		01	3600	398294	
0622	195431	493292	203432	0036					15 30		01	3600		
0623	195432	492471	205432	0038					15 30		01	3700	398292	
0624	195432	493292	203432	0036					15 30		01	4000		
0625	195432	493292	203432	0036					15 30		01	3800		
0626	195432	493292	203432	0036					15 30		01	4000		
0627	195432	493292	203432	0036					15 30		01	3600		
0628	195432	492449	202432	0035					15 30		01	3600	398294	
0629	195437	492471	No Replacement Repair With Individual Parts.						15		01	3700	398292	
0630	195432	493292	203432	0036					15 30		01	4000		
0631	195432	493292	203432	0036					15 30		01	3200		
0632	195432	492471	205432	0038					15 30		01	3700	398292	
0633	195432	492471	205432	0038					15 30		01	3700	398292	
0634	195437	493292	203432	0036					15 30		01	3600		
0635	195452	492470	202452	0049					15 30		01	3600		
0636	195432	493292	203432	0036					15 30		01	3600		
0637	195432	492471	205432	0038					15 30		01	3700	398292	
0638	195432	492469	202432	0063					15 30		All	3600		
0639	195437	492469	202437	0033					15 30		All	3600		
0640	195452	492470	202452	0049					15 30		01	2900		
0641	195432	492449	202432	0035					15 30		01	3600	398294	
0642	195431	493292	203432	0036					15 30		01	3600		
0643	195432	492471	205432	0038					15 30		01	3800	398292	
0644	195437	493292	203437	0041					15 30		01	3100		
0645	195432	493292	203432	0036					15 30		01	4000		

195400 to 195499

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
0646	195432	493292	203432	0036					15 30		All	3600		
0647	195432	493292	203432	0036					15 30		01	3600		
0648	195436	493292	No Replacement Repair With Individual Parts.						15		01	4000		
0649	195432	492449	202432	0035					15 30		01	3600	398294	
0650	195437	493292	203437	0041					15 30		01	3600		
0651	195432	492473	202432	0036					15 30		01	3800		
0652	195437	492471	No Replacement Repair With Individual Parts.						15		All	3750	398292	
0653	195432	492471	205432	0038					15 30		All	3750	398292	
0654	195432	492471	205432	0038					15 30		01	3600	398292	
0655	195432	398537	No Replacement Repair With Individual Parts.						15		01	3800		
0656	195432	493292	203432	0036					15 30		01	3800		
0657	195436	493292	No Replacement Repair With Individual Parts.						15		01	3600		
0658	195452	492470	202452	0049					15 17 30		01	3600		
0659	195432	493292	203432	0036					15 30		01	3200		
0660	195432	493292	203432	0036					15 30		01	3300		
0662	195432	492471	205432	0038					15 30		01	3600	398292	
0663	195437	493292	203437	0041					15 30		01	4000		
0664	195432	493292	203432	0036					15 30		01	3600		
0665	195432	492471	205432	0038					15 30		01	3100	398292	
0666	195432	492471	205432	0038					15 30		01	3700	398292	
0667	195431	492449	202432	0035					15 30		All	3600	398294	
0668	195437	492471	No Replacement Repair With Individual Parts.						15		01	3700	398292	
0669	195432	493292	203432	0036					15 30		01	3450		
0670	195431	493292	203432	0036					15 30		01	3600		
0672	195432	493292	203432	0036					15 30		All	3600		
0673	195435	493292	203437	0041					15 30		01	3200		
0674	195435	493292	203437	0041					15 30		01	3200		
0675	195432	493292	203432	0036					15 30		01	3900		
0676	195452	492470	202452	0049					15 17 30		01	2900		
0677	195452	492470	202452	0049					15 17 30		01	3600		

195400 to 195499

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	195432	492473	202432	0036					15 30		01	4000		
0679	195452	492470	202452	0049					15 30		01	3600		
0680	195432	493292	203432	0036					15 30		01	3600		
0685	195432	492473	202432	0036					15 30		01	3100		
0686	195432	492471	205432	0038					15 30		01	3800	398292	
0687	195432	492449	202432	0035					15 30		01	3600	398294	
0688	195422	493043	202432	0036					15 30		01	4000		
0689	195432	492471	205432	0038					15 30		01	3100	398292	
0690	195435	493292	203432	0041					15 30		01	3600		
0691	195432	492473	202432	1036					15 30		01	4000		
0692	195432	492471	205432	0038					15 30		01	3100	398292	
0693	195452	492470	202452	0049					15 30		01	4000		
0694	195432	492471	205432	0038					15 30		01	3750	398292	
0700	195432	493292	203432	0036					15 30		01	3600		
0701	195431	493292	203432	0036					15 30		01	3600		
0702	195432	492449	202432	0035					15 30		01	3600	398294	
0704	195452	492470	202452	0049					15 30		01	3600		
0705	195437	493292	203437	0041					15 30		01	3600		
0720	195432	493292	No Replacement Repair With Individual Parts.						15		01	4000		
0721	195432	493292	203432	0036					15 30		01	3600		
0722	195422	493043	202432	0036					15 30		01	4000		
0723	195432	493292	203432	0036					15 30		01	3600		
0724	195432	493292	203432	0036					15 30		01	3600		
0725	195432	493292	203432	0036					15 30		01	3600		
0726	195432	493292	203432	0036					15 30		01	4000		
0727	195432	493292	203432	0036					15 30		01	4000		
0728	195437	493292	203437	0041					15 30		01	4000		
0729	195432	493292	203432	0036					15 30		01	3600		
0730	195432	493292	203432	0036					15 30		01	3600		
0731	195436	493292	No Replacement Repair With Individual Parts.						15		01	4000		

195400 to 195499

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
0732	195432	493292	203432	0036					15 30		01	3600		
0733	195432	492471	205432	0038					15 30		01	3700	398292	
0734	195431	492449	202432	0035					15 30		All	3600	398294	
0735	195432	492471	No Replacement Repair With Individual Parts.						15		01	3700	398292	
0736	195432	492449	202432	0035					15 30		01	3600	398294	
0737	195432	492449	202432	0035					15 30		All	3600	398294	
0738	195432	492449	202432	0035					15 30		01	3600	398294	
0739	195432	492449	202432	0035					15 30		01	3800	398294	
0740	195432	492471	205432	0038					15 30		01	3800	398292	
0741	195431	492449	202432	0035					15 30		All	3600	398294	
0742	195436	493292	No Replacement Repair With Individual Parts.						15		01	3600		
0743	195431	493292	203432	0036					15 30		01	3600		
0744	195432	492471	205432	0038					15 30		All	3750	398292	
0745	195437	492471	No Replacement Repair With Individual Parts.						15		01	3750	398292	
0746	195432	492471	205432	0038					15 30		01	3100	398292	
0747	195432	492473	202432	0036					15 30		01	3800		
0748	195437	492469	202437	0063					15 30		01	3600		
0749	195452	492470	202452	0049					15 17 30		01	3600		
0750	195432	492471	205432	0038					15 30		01	3600	398292	
0751	195422	493043	No Replacement Repair With Individual Parts.						15		01	4000		
0752	195432	493292	203432	0036					15 30		01	3600		
0753	195432	493292	203432	0036					15 30		All	3600		
0754	195431	493292	203432	0036					15 30		01	3600		
0755	195435	493292	203437	0041					15 30		01	3200		
0756	195432	493292	203432	0036					15 30		01	3450		
0757	195437	493292	203437	0041					15 30		01	3200		
0758	195432	493292	203432	0036					15 30		01	3300		
0759	195452	492470	202452	0049					15 30		01	2900		
0760	195422	493043	No Replacement Repair With Individual Parts.						15		01	3400		
0761	195432	492471	205432	0038					15 30		01	3700	398292	
0762	195432	492471	205432	0038					15 30		All	3150	398292	

195400 to 195499

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
0763	195437	492471	No Replacement Repair With Individual Parts.						15		01	3750	398292	
0764	195452	492470	202452	0049					15		01	2900		
									17					
									30					
0765	195432	492471	205432	0038					15		01	3100	398292	
									30					
0766	195452	492470	202452	0049					15		01	2900		
									17					
									30					
0767	195432	493292	203432	0036					15		01	3900		
									30					
0768	195432	493292	203432	0036					15		01	3600		
									30					
0769	195422	493043	No Replacement Repair With Individual Parts.						15		01	4000		
0770	195452	492470	202452	0049					15		01	2900		
									17					
									30					
0771	195432	398537	No Replacement Repair With Individual Parts.						15		01	3600		
0772	195437	492471	No Replacement Repair With Individual Parts.						15		01	3600	398292	
0773	195432	493292	203432	0036					15		01	3600		
									30					
0774	195432	492471	205432	0038					15		01	3150	398292	RR
									30					
0775	195432	493292	203432	0036					15		01	3600		
									30					
0776	195432	492471	205432	0038					15		01	3100	398292	
									30					
0777	195452	492470	202452	0049					15		01	4000		
									30					
0778	195422	493043	No Replacement Repair With Individual Parts.						15		01	3600		
0779	195432	492471	205432	0038					15		All	3800	398292	
									30					
0780	195436	493292	No Replacement Repair With Individual Parts.						15		01	3200		
0781	195436	493292	No Replacement Repair With Individual Parts.						15		01	4000		
0782	195432	493292	203432	0036					15		01	3600		
									30					
0783	195437	493292	203437	0041					15		01	3600		
									30					
0784	195432	493292	203432	0036					15		01	3600		
									30					
0785	195452	492470	202452	0049					15		01	3600		
									17					
									30					
0786	195436	493292	No Replacement Repair With Individual Parts.						15		01	3200		
0787	195432	492473	202432	0036					15		01	4000		
									30					
0788	195432	492471	205432	0038					15		01	3750	398292	
									30					
0789	195432	493292	203432	0036					15		01	3600		
									30					
0790	195432	493292	203432	0036					15		01	3600		
									30					
0791	195452	492470	202452	0049					15		01	3600		
									30					
0792	195432	493292	203432	0036					15		01	3600		
									30					
0793	195432	492473	202432	0036					15		01	3600		
									30					

195400 to 195499

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
0794	195432	492471	205432	0038					15 30		01	3000	398292	
0795	195436	493292	No Replacement Repair With Individual Parts.						15		01	3600		
0796	195431	493292	203432	0036					15 30		01	3600		
0797	195432	492473	202432	0036					15 30		01	3600		
0798	195452	492470	202452	0049					15 17 30		01	3600		
0799	195432	492928	No Replacement Repair With Individual Parts.						15		01	3200		
0800	195432	492471	205432	0038					15 30		01	3100	398292	
0801	195437	493292	203437	0041					15 30		01	4000		
0802	195437	493292	203437	0041					15 30		01	3600		
0803	195452	492470	202452	0049					15 30		01	3600		
0804	195452	492470	202452	0049					15 30		01	4000		
0805	195432	492471	205432	0038					15 30		01	3600	398292	
0806	195437	493292	203437	0041					15 30		01	3600		
0807	195432	492449	202432	0035					15 30		01	2700	398294	
0808	195432	493292	203432	0036					15 30		01	3600		
0809	195432	493292	203432	0036					15 30		01	3000		
0810	195437	493292	203437	0041					15 30		01	3600		
0811	195432	492449	202432	0035					15 30		01	2700	398294	
0812	195432	493292	203432	0036					15 30		01	3600		
0813	195435	492471	No Replacement Repair With Individual Parts.						15		01	3600	398292	
0814	195435	493292	203437	0041					15 30		01	3200		
0815	195432	492471	205432	0038					15 30		01	3750	398292	
0816	195422	493943	No Replacement Repair With Individual Parts.						15		01	3600		
0817	195433	493292	No Replacement Repair With Individual Parts.						15		01	3500		
0818	195435	493292	203437	0041					15 30		01	3600		
0819	195432	492471	205432	0038					15 30		All	3750	398292	
0820	195431	492449	202432	0035					15 30		01	3600	398294	RR
0821	195431	492449	202432	0035					15 30		01	3600	398294	
0822	195437	493292	203437	0041					15 30		01	3600		
0823	195432	492471	205432	0038					15 30		01	3150	398292	
0824	195432	492471	205432	0038					15 30		01	3150	398292	RR

195400 to 195499

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
0825	195437	492471	No Replacement Repair With Individual Parts.					15			All	3750	398292	
0826	195432	492471	205432	0038					15		01	3700	398292	
									30					
0827	195432	493292	203432	0036					15		01	3600		
									30					
0828	195432	493292	203432	0036					15		01	3600		
									30					
0829	195422	493043	No Replacement Repair With Individual Parts.					15			01	3600		
0830	195437	493292	203437	0041					15		01	3600		
									30					
0831	195432	493292	203432	0036					15		01	3600		
									30					
0832	195431	493292	203432	0036					15		01	3600		
									30					
0833	195452	492470	202452	0049					15		01	3600		
									30					
0834	195432	493292	203432	0036					15		01	3600		
									30					
0835	195432	493292	203432	0036					15		01	3600		
									30					
0836	195432	493292	203432	0036					15		01	3600		
									30					
0837	195437	493292	203437	0041					15					
									30					
0838	195432	493292	203432	0036					15		01	3450		
									30					
0839	195451	492470	202452	0049					15		01	3600		
									30					
0840	195432	492471	205432	0038					15		01	3700	398292	
									30					
0841	195437	492471	No Replacement Repair With Individual Parts.					15			01	3700	398292	
0842	195432	492471	205432	0038					15		01	3100	398292	
									30					
0843	195432	492471	205432	0038					15		01	3100	398292	
									30					
0844	195437	492471	No Replacement Repair With Individual Parts.					15			01	3700	398292	
0845	195437	492471	No Replacement Repair With Individual Parts.					15			01	3750	398292	
0846	195432	492473	202432	0036					15		01	3600		
									30					
0847	195432	492471	205432	0038					15		01	3150	398292	
									30					
0848	195422	492473	202432	0036					15		01	3600		
									30					
0849	195432	493292	203432	0036					15		01	3600		
									30					
0850	195432	492471	205432	0038					15		All	3150	398292	
									30					
0851	195432	492471	205432	0038					15		01	3150	398292	RR
									30					
0852	195422	493043	No Replacement Repair With Individual Parts.					15			01	3600		
0853	195432	492471	205432	0038					15		01	3750	398292	
									30					
0854	195437	493292	202437	0041					15		01	3600		
									30					
0855	195432	492471	205432	0038					15		01	3750	398292	
									30					
0856	195437	492471	No Replacement Repair With Individual Parts.					15			01	3750	398292	

195400 to 195499

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
0857	195432	492469	202432	0063					15 30		01	3600		
0858	195437	492469	202437	0033					15 30		01	3600		
0859	195432	492449	202432	0035					15 30		01	3600		
0860	195432	493292	203432	0036					15 30		01	3600		
0861	195437	493292	203437	0041					15 30		01	3600		
0862	195437	493292	203437	0041					15 30		All	3600		
0863	195431	493292	203432	0036					15 30		01	3600		
0864	195432	492471	205432	0038					15 30		01	3750	398292	
0865	195437	492471	No Replacement Repair With Individual Parts.						15		01	3750	398292	
0866	195422	493043	No Replacement Repair With Individual Parts.						15		01	4000		
0867	195432	492471	205432	0038					15 30		All	3150	398292	
0868	195432	493292	203432	0036					15 30		01	4000		
0869	195432	492469	202432	0063					15 30		01	3600		
0870	195437	492469	202437	0033					15 30		01	3600		
0871	195432	492471	205432	0038					15 30		01	3150	398292	
0872	195422	492473	No Replacement Repair With Individual Parts.						15		01	3600		
0873	195432	492473	202432	0036					15 30		01	4000		
0874	195432	493292	203432	0036					15 30		01	4000		
0875	195432	492473	202432	0036					15 30		01	3600		
0876	195431	493292	203432	0036					15 30		01	3600		
0877	195437	493292	203437	0041					15 30		01	3750		
0878	195432	492471	205432	0038					15 30		01	3750	398292	
0879	195432	493292	203432	0036					15 30		01	3600		
0880	195423	493043	No Replacement Repair With Individual Parts.						15		01	4000		
0881	195432	493292	203432	0036					15 30		01	3600		
0882	195432	493292	203432	0036					15 30		01	4000		
0883	195437	493292	203437	0041					15 30		01	3000		
0884	195437	493292	203437	0041					15 30		01	3600		
0885	195432	494445	No Replacement Repair With Individual Parts.						15		01	3750		
0886	195432	492471	205432	0038					15 30		01	3750	398292	
0887	195432	493292	203432	0036					15 30		01	3600		
0888	195432	494445	No Replacement Repair With Individual Parts.						15		01	3600		

195400 to 195499

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
0889	195432	492469	202432	0063					15 30		01	3600		
0890	195432	492471	205432	0038					15 30		01	3750	398292	
0891	195432	492471	205432	0038					15 30		01	3750	398292	
0892	195437	492471	No Replacement Repair With Individual Parts.						15		01	3750	398292	
0893	195432	492471	205432	0038					15 30		01	3750	398292	
0894	195432	492473	202432	0036					15 30		01	4000		
0895	195432	492449	202432	0035					15 30		01	3800	398294	
0896	195432	492471	205432	0038					15 30		01	3150	398292	
0897	195431	492449	202432	0035					15 30		01	3600	398294	
0898	195436	493292	No Replacement Repair With Individual Parts.						15		01	3600		
0899	195412	492473	No Replacement Repair With Individual Parts.						15		01	3600		
0900	195422	492473	No Replacement Repair With Individual Parts.						15		01	3600		
0901	195431	493292	203432	0036					15 30		01	3600		
0902	195432	492449	202432	0035					15 30		01	3800	398294	
0903	195432	492449	202432	0035					15 30		01	3800	398294	
0904	195432	492471	205432	0038					15 30		01	3750	398292	
0905	195437	493292	203437	0041					15 30		01	3000		
0906	195436	493292	No Replacement Repair With Individual Parts.						15		01	3600		
0908	195432	493292	203432	0036					15 30		01	3600		
0909	195432	492471	205432	0038					15 30		01	3750	398292	
0910	195437	492471	No Replacement Repair With Individual Parts.						15		01	3750	398292	
0911	195432	492473	202432	0036					15 30		01	4000		
1001	195432	495655	203432	0036					15 30		All	4000		
1002	195432	495789	202432	0035					15 30		All	3600	398294	
1004	195422	495648	No Replacement Repair With Individual Parts.						15		01	3600		
1006	195432	495655	203432	0036					15 30		All	3600		
1007	195432	495790	205432	0038					15 30		All	3750	398292	
1008	195437	495790	No Replacement Repair With Individual Parts.						15		01	3800	398292	
1009	195437	495655	203437	0041					15 30		01	3600		
1013	195432	495655	203432	0036					15 30		All	3600		
1017	195437	495790	No Replacement Repair With Individual Parts.						15		All	3150	398292	
1022	195422	495648	No Replacement Repair With Individual Parts.						15		All	4000		
1023	195437	495790	No Replacement Repair With Individual Parts.						15		01	3750	398292	
1024	195412	495663	No Replacement Repair With Individual Parts.						15		01	3600		
1026	195452	495663	202452	0049					15 30		All	2900		

195400 to 195499

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
1035	195432	495655	203432	0036					15 30		All	3600		
1038	195432	495788	202432	0063					15 30		01	3600		
1039	195437	495788	202437	0033					15 30		01	3600		
1041	195437	495655	203437	0041					15 30		All	3600		
1042	195437	495790	No Replacement Repair With Individual Parts.						15		01 02	3800 3150	398292	
1047	195432	495789	202432	0035					15 30		All	3600	398294	
1048	195457	495663	No Replacement Repair With Individual Parts.						15		01	3600		
1049	195452	495663	202452	0049					15 30		All	3600		
1070	195432	495790	205432	0038					15 30		01 02 05 07 10 13 17	3800 3150 3150 3150 3150 3150 3800	398292	
1073	195432	495790	205432	0038					15 30		All	3150	398292	
1090	195432	495655	203432	0036					15 30		01	3600		
1091	195432	495789	202432	0035					15 30		01	3600	398294	
1110	195432	495832	No Replacement Repair With Individual Parts.						15		01	3150		
1111	195432	495884	202432	0036					15 30		01	4000		
1112	195432	495655	No Replacement Repair With Individual Parts.						15		01	4000		
1113	195432	495790	205432	0038					15 30		01	3750	398292	
1114	195432	495789	202432	0035					15 30		01	3800	398294	
1115	195432	495866	No Replacement Repair With Individual Parts.						15		01	3600		
1116	195432	495655	203432	0036					15 30		01	3600		
1117	195432	495789	202432	0035					15 30		All	3600	398294	
1118	195432	495655	203432	0036					15 30		01	3600		
1119	195432	495884	202432	0036					15 30		01	4000		
1120	195432	495884	202432	0036					15 30		01	4000		
1121	195437	495655	203437	0041					15 30		01	3000		
1122	195432	495655	203432	0036					15 30		01	3700		
1123	195432	495790	205432	0038					15 30		01	3750	398292	
1124	195432	495790	205432	0038					15 30		01	3750	398292	
1125	195437	495790	No Replacement Repair With Individual Parts.						15		01	3750	398292	
1126	195432	495655	203432	0036					15 30		01	3600		

195400 to 195499

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
1127	195432	495788	202432	0063					15 30		All	3600		
1128	195422	495648	No Replacement Repair With Individual Parts.						15		All	4000		
1129	195432	495790	205432	0038					15 30		01	3150	398292	
1130	195437	495655	203437	0041					15 30		01	3600		
1131	195432	495655	203432	0036					15 30		01	4000		
1132	195422	495648	No Replacement Repair With Individual Parts.						15		01	4000		
1133	195432	495790	205432	0038					15 30		01	3150	398292	
1134	195432	495655	203432	0036					15 30		01	3900		
1135	195432	495884	202432	0036					15 30		01	3600		
1136	195422	495648	No Replacement Repair With Individual Parts.						15		01	3200		
1137	195412	495884	202432	0036					15 30		01	3600		
1138	195422	495884	202432	0036					15 30		01	3600		
1139	195436	495655	No Replacement Repair With Individual Parts.						15		01	3600		
1140	195432	495655	203432	0036					15 30		01	3600		
1141	195431	495789	202432	0035					15 30		01	3800	338294	
1142	195432	495655	203432	0036					15 30		01	3800		
1143	195432	495655	203432	0036					15 30		01	3600		
1144	195436	495655	203432	0036					15 30		01	3600		
1145	195435	495655	203437	0041					15 30		01	3200		
1146	195432	495655	203432	0036					15 30		01	3600		
1147	195432	495790	205432	0038					15 30		01	3750	398292	
1148	195432	495790	205432	0038					15 30		01	3150	398292	
1149	195415	495832	No Replacement Repair With Individual Parts.						15		01	3750		
1150	195432	495655	203432	0036					15 30		01	3600		
1152	195432	495790	205432	0038					15 30		01	3100	398292	
1153	195432	495884	No Replacement Repair With Individual Parts.						15		01	4000		
1154	195432	495866	No Replacement Repair With Individual Parts.						15		01	3600		
1155	195432	495655	203432	0036					15 30		01	3600		
1156	195432	495655	203432	0036					15 30		01	3600		
1157	195432	495655	203437	0041					15 30		01	3600		
1158	195423	495648	No Replacement Repair With Individual Parts.						15		01	4000		
1159	195432	495884	202432	0036					15 30		01	3600		
1160	195432	495655	203432	0036					15 30		01	3700		

195400 to 195499

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
1161	195432	495655	203432	0036					15 30		01	3600		
1162	195412	495884	202432	0036					15 30		01	3600		
1163	195436	495655	No Replacement Repair With Individual Parts.						15		01	3100		
1164	195452	495663	202452	0049					15 30		01	2900		
1165	195437	495788	202437	0033					15 30		01	3600		
1166	195437	497146	No Replacement Repair With Individual Parts.						15		01	3600		
1167	195432	497146	No Replacement Repair With Individual Parts.						15		01	3600		
1168	195422	495648	No Replacement Repair With Individual Parts.						15		01	3600		
1169	195422	498693	No Replacement Repair With Individual Parts.						15		01	4000		
1214	195432	495789	202432	0035					15 30		01	3800	398294	
2024	195412	492470	No Replacement Repair With Individual Parts.						15		01	3600		
2025	195437	493292	203437	0041					15 30		All	3600		
2034	195431	493292	203432	0036					15 30		All	3600		
2035	195432	493292	203432	0036					15 30		All	3600		
2036	195432	394359	No Replacement Repair With Individual Parts.						15		All	3600		
2037	195432	393597	No Replacement Repair With Individual Parts.						15		All	3600	398290	
2041	195437	393743	203437	0041					15 30		All	3600		
2047	195432	394008	202432	0035					15 30		All	3600	398294	
2048	195457	394244	No Replacement Repair With Individual Parts.						15		All	3600		
2049	195452	394244	202452	0049					15 30		All	3600		
2070	195432	393746	205432	0038					15 30		All	3700	398292	
2124	195412	492470	No Replacement Repair With Individual Parts.						15		01	3600		
2125	195437	493292	203437	0041					15 30		All	3600		
2134	195431	493292	203432	0036					15 30		All	3600		
2135	195432	493292	203432	0036					15 30		All	3600		
2136	195432	394359	No Replacement Repair With Individual Parts.						15		All	3600		
2137	195432	492472	No Replacement Repair With Individual Parts.						15		01	3600	398290	
2141	195437	493292	203437	0041					15 30		All	3600		
2147	195432	492449	202432	0035					15 30		All	3600	398294	
2148	195457	492470	No Replacement Repair With Individual Parts.						15		All	3600		
2149	195452	492470	202452	0049					15 30		All	3600		
2170	195432	492471	205432	0038					15 30		All	3700	398292	
2224	195412	492470	No Replacement Repair With Individual Parts.						15		01	3600		
2225	195437	493292	203437	0041					15 30		All	3600		
2234	195431	493292	203432	0036					15 30		All	3600		

195400 to 195499

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
2235	195432	493292	203432	0036					15 30		01 02 03 04 05 06 07	3600 3600 3600 3600 3600 3600 4000		
2236	195432	394359	No Replacement Repair With Individual Parts.						15		All	3600		
2237	195432	492472	No Replacement Repair With Individual Parts.						15		01	3600		
2238	195432	492469	202432	0063					15 30		01	3600		
2239	195437	492469	202437	0033					15 30		01	3600		
2241	195437	493292	203437	0041					15 30		All	3600		
2242	195437	492471	No Replacement Repair With Individual Parts.						15		01	3600	398292	
2243	195437	493292	203437	0041					15 30		01	3600		
2245	195432	493292	203432	0036					15 30		All	3600		
2247	195432	492449	202432	0035					15 30		01 02 03 04	3600 3600 3600 4000	398294	
2248	195457	492470	No Replacement Repair With Individual Parts.						15		All	3600		
2249	195452	492470	202452	0049					15 30		All	3600		
2250	195432	492449	202432	0035					15 30		All	3600	398294	
2251	195452	492470	202452	0049					15 30		01	3600		
2270	195432	492471	205432	0038					15 30		01 02 03 04	3750 3750 3750 3150	398292	
2271	195432	492471	205432	0038					15 30		All	3750	398292	
4001	195432	493292	202432	0036					15 30		All	4000		
4002	195432	492449	202432	0035					15 30		01 02 03 04 05 06 07 08	3600 3600 3600 2850 3600 3600 3600 3600	398294	
4003	195432	492449	202432	0035					15 30		01	3600	398294	
4004	195422	493943	No Replacement Repair With Individual Parts.								All	3600		
4006	195432	493292	203432	0036					15 30		All	3600		
4007	195432	492471	205432	0038					15 30		All	3750	398292	
4008	195437	492471	No Replacement Repair With Individual Parts.						15		01	3800	398292	
4009	195437	493292	203437	0041					15 30		01	3600		
4010	195437	492471	No Replacement Repair With Individual Parts.						15		01	3750	398292	

195400 to 195499

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
4013	195432	493292	203432	0036					15 30		All	3600		
4014	195432	493292	203432	0036					15 30		01	3600		
4015	195432	493292	203432	0036					15 30		All	3600		
4016	195436	493292	No Replacement Repair With Individual Parts.						15		01 02	3600 3200		
4017	195437	492741	No Replacement Repair With Individual Parts.						15		All	3150	398292	
4020	195437	493292	203437	0041					15 30		01	3000		
4022	195422	493043	No Replacement Repair With Individual Parts.						15		All	4000		
4023	195437	493292	No Replacement Repair With Individual Parts.						15		01	3750	398292	
4024	195412	492470	No Replacement Repair With Individual Parts.						15		01	3600		
4025	195432	493292	203432	0036					15 30		All	3600		
4026	195452	492470	202452	0049					15 30		All	2900		
4035	195432	493292	203432	0036					15 30		All	3600		
4036	195432	493292	203432	0036					15 30		All	3900		
4041	195437	493292	203437	0041					15 30		All	3600		
4042	195437	492471	No Replacement Repair With Individual Parts.						15		01 02	3800 3150	398292	
4047	195432	492449	202432	0035					15 30		All	3600	398294	
4048	195457	492470	No Replacement Repair With Individual Parts.						15		All	3600		
4049	195452	492470	202452	0049					15 30		All	3600		
4070	195432	492471	205432	0038					15 30		01 02 03 05 06 07 08 09 10 11 12 13 14 17	3800 3150 3150 3150 3800 3150 3150 3150 3150 3150 3150 3150 3150 3150 3150 3800	398292	
4071	195432	492471	205432	0038					15 38		01	3150	398292	
4073	195432	492471	No Replacement Repair With Individual Parts.						15		All	3150	398292	
4090	195432	493292	203432	0036					15 30		01	3600		
4091	195432	492449	202432	0035					15 30		01	3600	398294	
5130	195437	492741	No Replacement Repair With Individual Parts.						15				398292	

MODEL 195400

MODEL 200000

