

31G700 to 31G799

SERVICE ENGINE



SALES MANUAL

**MODEL 31G700 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 23:** If the original engine is equipped with a Six Pin Wiring Harness transfer to the replacement engine.
- NOTE 64:** Transfer Alternator Assembly from original engine to replacement engine.
- NOTE 68:** Transfer Flywheel and Alternator Assembly from original to replacement engine.
- NOTE 81:** Transfer Governor Spring to 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
- NOTE 90:** Transfer Oil Sensor to the replacement engine.
- NOTE 107:** Transfer the Main Governor Spring to the replacement engine.

Short Block Notes:

The SHORT BLOCK part number shown, is the assembly which can be used to rebuild the Original Type Number. If a letter appears after the short block number, it indicates the short block must be modified. The change denoted by each letter is as follows:

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Original Engine			Make From		Remove		Add		Note	Change to Type	Trim	RPM	Short Block	
Type	Model	Crank	Model	Type #	Qty	Part #	Qty	Part #					Part #	Notes
0026	31G707	697127	STD.						23		All	3300	697761	
0036	31G777	697127	STD.						23		All	3300	697762	
0110	31G777	697127	31G777	0036					23		All	3200	697762	
									88					
0111	31G777	697127	31G777	0036					23		All	3200	697762	
0112	31G777	697127	31G777	0036					88		All	3300	697762	
0113	31G777	697127	31G777	0036					23		All	3300	697762	
									88					
0114	31G777	697127	31G777	0036					23		All	3300	697762	
									88					
0115	31G777	697127	31G777	0036					23		All	3200	697762	
									88					
0116	31G777	697127	31G777	0036					23		All	3200	697762	
									88					
0117	31G777	697127	31G777	0036					81		All	3600	697762	
									88					
0118	31G777	697127	31G777	0036					23		All	3300	697762	
									88					
0119	31G777	697127	31G777	0036					23		All	2900	697762	
									81					
									88					
0120	31G777	697127	31G777	0036					23		All	3000	697762	
									68					
									81					
									88					

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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
0121	31G777	697127	31G777	0036					23 88		All	3200	697762	
0122	31G707	697127	31G707	0026					81 88		All	3000	697761	
0123	31G777	697127	31G777	0036					23 81 88		All	2900	697762	
0124	31G777	697127	31G777	0036					81 88		All	3000	697762	
0125	31G777	697127	31G777	0036					23 88		All	3350	697762	
0126	31G777	697127	31G777	0036					23 88		All	3300	697762	
0127	31G777	697127	31G777	0036					23 81 88		All	2900	697762	
0128	31G777	697127	31G777	0036			1	790544	23 81 88		All	2900	697762	
0130	31G777	697127	31G777	0036					23 88		All	3200	697762	
0131	31G777	697127	31G777	0036					23 88		All	3200	697762	
0132	31G777	697127	31G777	0036					88		All	3300	697762	
0151	31G777	697127	31G777	0036					23 64 88		All	3300	697762	
0165	31G777	697127	31G777	0036					23 88		All	3300	697762	
0166	31G777	697127	31G777	0036					81 88		All	2900	697762	
0167	31G777	697127	31G777	0036					88 90		All	3300	697762	
0168	31G777	697127	31G777	0036					88		All	3300	697762	
0172	31G777	697127	31G777	0036					23 88		All	3300	697762	
0179	31G777	697127	31G777	0036					88		All	3400	697762	
0181	31G777	697127	31G777	0036					23 88		All	3300	697762	
0191	31G777	697127	31G777	0036					23 88 107		All	2650	697762	
0192	31G777	697127	31G777	0036					23 68 88		All	3300	697762	
0193	31G777	697127	31G777	0036					23 68 88 107		All	2650	697762	
0196	31G777	697127	31G777	0036					23 88 107		All	2650	697762	
0199	31G777	697127	31G777	0036					23 68 81 88		All	2650	697762	
0234	31G777	697127	31G777	0036					23 68 88		All	3300	697762	

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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
0253	31G777	697127	31G777	0036					23 68 81 88		All	2650	697762	
0258	31G777	697127	31G777	0036			1	790544	23 88		All	3300	697762	
0263	31G777	697127	31G777	0036			1	790544	23 81 88		All	2650	697762	
0290	31G777	697127	31G777	0036					23 68 88		All	3300	697762	
0291	31G777	697127	31G777	0036					23 88		All	3300	697762	
0292	31G777	697127	31G777	0036					23 68 88		All	3300	697762	
0293	31G777	697127	31G777	0036	1	691840			23 88		All	3300	697762	
0294	31G777	697127	31G777	0036	1	691840			23 68 88		All	3300	697762	
0295	31G777	697127	31G777	0036	1	691840			23 88		All	3300	697762	
0296	31G777	697127	31G777	0036					23 68 81 88		All	3750	697762	
0424	31G777	697127	31G777	0036			1	790544	81 88		All	2900	697762	