

**31H700 to 31H799****SERVICE ENGINE****SALES MANUAL****MODEL 31H700 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 77:** Transfer Fuel Pump and related parts from original engine 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

**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:

**31H700 to 31H799**

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	31H777	697127	31H777	0202					68 77 88		All	3300	697762	
0112	31H777	697127	31H777	0202					23 68 88		All	3300	697762	
0113	31H777	697516	31H777	0202	1	691840			23 68 77 88		All	3500	697762	
0114	31H777	697127	31H777	0202					23 68 81 88		All	3600	697762	
0115	31H777	697516	31H777	0202	1	691840			23 68 77 88		All	3400	697762	
0117	31H777	697516	31H777	0202					23 68 77		All	3400	697762	
0118	31H777	697127	31H777	0202					23 68		All	3400	697762	
0119	31H777	697516	31H777	0202					23 68		All	3400	697762	
0120	31H777	697516	31H777	0202					23 68 81		All	2600	697762	

**31H700 to 31H799**

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
0122	31H777	697516	31Q777	0036					23 64		All	3400	697762	
0168	31H777	697127	31H777	0202					68		All	3300	697762	
0177	31H777	697127	31H777	0202							All	3300	697762	
0202	31H777	697127	STD.						88		All	3300	697762	
0210	31H777	697127	31H777	0202					88		All	3300	697762	
0212	31H707	697127	31N707	0026					68 88		All	3300	697761	
0228	31H777	697127	31H777	0202					88		All	3300	697762	
0235	31H777	697127	31Q777	0036					88		All	3300	697762	
0297	31H777	697127	31H777	0202					88		All	3300	697762	
0605	31H777	697127	31H777	0202					88		All	3300	697762	