

**31L700 to 31L799**

**SERVICE ENGINE**  **SALES MANUAL**

**MODEL 31L700 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 43:** Original engine was equipped with a Rotating Screen. These parts can be transferred to the replacement engine.
- NOTE 67:** Transfer Blower Housing and Rotating Screen Group to replacement engine.
- NOTE 68:** Transfer Flywheel and Alternator Assembly from original 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
0036	31L777	697516	STD.						23		All	3300	697762	
0038	31L777	697516	31L777	0036					23		All	3600	697762	
									88					
0110	31L777	699473	31L777	0036	1	697516	1	699473	23		All	3600		
									67					
									88					
									90					
									107					
0122	31L777	697516	31L777	0036					23		All	3600	697762	
									68					
									90					
									107					
0123	31L777	697516	31L777	0036	1	691840			68		All	3450	697762	
									88					
									90					
0137	31L777	697516	31L777	0036					23		All	3300	697762	
									88					
0138	31L777	697516	31L777	0036					43		All	3450	697762	
									68					
									88					
									90					
0157	31L777	697516	31L777	0036	1	691840			68		All	3450	697762	
									88					
									90					
0168	31L777	697516	31L777	0036					88		All	3300	697762	
0169	31L777	697516	31L777	0036					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
0192	31L777	697516	31L777	0036					23 88 107		All	2650	697762	