

**381700 to 381799****SERVICE ENGINE****SALES MANUAL**
**MODEL 381700 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 41:** Original engine was equipped for or with a 12 volt or 120 volt Gear Drive Starter and/or with alternator only. Transfer all related parts as required.

**NOTE 63:** Transfer Rewind Assembly from original engine to replacement engine.

**NOTE 81:** Transfer Governor Spring to replacement engine.

**NOTE 87:** Transfer Main and Idler Governor Springs.

**NOTE 108:** Transfer the Muffler and/or Spark Arrester Assembly from the original engine if suitable for additional service, or add new parts as required. In some cases it may be necessary to transfer the Oil Filter Adapter to the replacement engine.

**NOTE 111:** Transfer the Starter Motor, Solenoid and Blower Housing 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:

**381700 to 381799**

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
0030	381777	808675	380777	0024					108		All	3600	695394	
0110	381777	808675	380777	0024					108 111		All	3600	695394	
0111	381777	808675	380777	0024					41 108		All	3600	695394	
0112	381777	808675	380777	0024					108		All	3300	695394	
0113	381777	692172	380777	0036					87 108		All	3600	695393	
0114	381777	808675	380777	0024					63 108		All	3600	695394	
0115	381777	809164	380777	0024	1	808675	1	809164	23 108		All	3600		
0116	381777	808675	380777	0024					23 81 108		All	3300	695394	
0117	381777	809164	380777	0024	1	808675	1	809164	23 108		All	3500		