

**404500 to 404599**

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

**MODEL 404500 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 35:** Transfer the Speed Limiter Control Assembly to the replacement engine.
- NOTE 81:** Transfer Governor Spring to replacement engine.
- NOTE 90:** Transfer Oil Sensor 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:

**404500 to 404599**

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
0211	4045A7	691046	407577	0025					90		All	3300	692714	
0259	4045A7	790136	407577	0027					90		All	3300	692714	
0264	404577	790136	407577	0027					90		All	3300	692714	
0285	4045A7	691046	407577	0027					35 81		All	2500	692714	
0286	4045A7	691046	407577	0025					35 81		All	2500	692714	
0291	404577	691046	407577	0025							All	3300	692714	
0307	4045A7	691046	407577	0025					35 81		All	2650	692714	
0312	4045A7	691046	407577	0025							All	3300	692714	