

**31E700 to 31E799**

**SERVICE ENGINE**



**SALES MANUAL**

**MODEL 31E700 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 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 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:

**31E700 to 31E799**

| 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 |
| 0111            | 31E707 | 697127 | 31G707    | 0026   |        |        |     |        | 23<br>88              |                | All  | 3350 | 697761      |       |
| 0112            | 31E777 | 697127 | 31G777    | 0036   |        |        |     |        | 23<br>107             |                | All  | 3600 | 697762      |       |
| 0114            | 31E777 | 697127 | 31G777    | 0036   |        |        |     |        | 81<br>88              |                | All  | 3600 | 697762      |       |
| 0120            | 31E777 | 697127 | 31G777    | 0036   |        |        |     |        | 81<br>88              |                | All  | 3600 | 697762      |       |
| 0126            | 31E777 | 697127 | 31G777    | 0036   |        |        |     |        | 23<br>68<br>88<br>107 |                | All  | 3200 | 697762      |       |
| 0378            | 31E777 | 697127 | 31G777    | 0036   |        |        | 1   | 790544 | 23<br>81<br>88        |                | All  | 2650 | 697762      |       |
| 0443            | 31E777 | 697127 | 31G777    | 0036   |        |        | 1   | 790544 | 23<br>88              |                | All  | 3300 | 697762      |       |