

**12S800 to 12S899****SERVICE ENGINE****SALES MANUAL****MODEL 12S800 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 51:** Replacement engine listed is not available in the State of California. Repair with individual parts.

**NOTE 73:** Transfer Flywheel Assembly to the 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:

**NOTE UU:** Change Drive Shaft in Short Block. Add 231748.

**12S800 to 12S899**

| 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 |
| 0657            | 12S802 |        | 12F802    | 2915   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498826      |       |
| 0688            | 12S807 | 493362 | 12F807    | 2960   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498826      |       |
| 0804            | 12S802 | 493282 | 12F802    | 2925   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498829      |       |
| 0805            | 12S802 | 493363 | 12E702    | 2616   |        |        |     |        | 51<br>88 |                | All  | 3200 | 498827      |       |
| 0807            | 12S802 | 493282 | 12F802    | 2925   | 1      | 690319 | 1   | 691851 | 51<br>88 |                | All  | 3300 | 498829      |       |
| 0810            | 12S802 |        | 12E702    | 2616   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498827      |       |
| 0812            | 12S802 |        | 12EF02    | 2616   |        |        |     |        | 51       |                | All  | 3000 | 498827      |       |
| 0813            | 12S802 | 493282 | 12F802    | 2925   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498829      |       |
| 0814            | 12S802 |        | 12F802    | 2926   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498830      |       |
| 0815            | 12S802 | 493362 | 12F802    | 2915   |        |        |     |        | 51       |                | All  | 3000 | 498826      |       |
| 0816            | 12S802 | 493363 | 12E702    | 2616   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498827      |       |
| 0817            | 12S882 | 493363 | 12F882    | 2951   | 1      | 691451 | 1   | 691452 | 51<br>88 |                | All  | 3000 |             |       |
| 0818            | 12S802 | 493362 | 12F802    | 2915   | 1      | 690319 | 1   | 691851 | 51<br>88 |                | All  | 3300 | 498826      |       |
| 0819            | 12S882 | 493362 | 12F882    | 2951   | 1      | 690522 | 1   | 691778 | 51<br>88 |                | All  | 3000 | 498833      |       |
| 0823            | 12S887 | 493362 | 12J887    | 2981   |        |        |     |        | 51       |                | All  | 3000 | 498833      |       |
| 0825            | 12S882 | 493362 | 12F882    | 2950   | 1      | 690319 | 1   | 691778 | 51       |                | All  | 3300 | 498834      |       |
|                 |        |        |           |        | 1      | 690522 | 1   | 691851 | 88       |                |      |      |             |       |

## 12S800 to 12S899

| 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 |
| 0827            | 12S802 | 493282 | 12F802                                       | 2925   |        |        |     |        | 51<br>88       |                | All  | 3000 | 498829      |       |
| 0828            | 12S802 | 493363 | 12E702                                       | 2616   |        |        |     |        | 51<br>73<br>88 |                | All  | 3000 | 498827      |       |
| 0829            | 12S807 | 493363 | No Replacement Repair With Individual Parts. |        |        |        |     |        | 51             |                | All  | 3000 | 498827      |       |
| 0834            | 12S807 | 493362 | No Replacement Repair With Individual Parts. |        |        |        |     |        | 51             |                | All  | 3000 | 498826      |       |
| 0839            | 12S802 |        | 12E702                                       | 2616   | 1      | 690319 | 1   | 691851 | 51<br>73<br>88 |                | All  | 3500 | 498827      |       |
| 0841            | 12S807 | 493362 | No Replacement Repair With Individual Parts. |        |        |        |     |        | 51             |                | All  | 3000 | 498826      |       |
| 0842            | 12S802 | 493362 | 12F802                                       | 2915   |        |        |     |        | 51<br>88       |                | All  | 3000 | 498826      |       |
| 0843            | 12S802 | 493362 | 12F802                                       | 2915   | 1      | 690319 | 1   | 691851 | 51             |                | All  | 3300 | 498826      |       |
| 0844            | 12S802 | 493363 | 12E702                                       | 2616   | 1      | 690319 | 1   | 691291 | 51<br>73       |                | All  | 3700 | 498827      |       |
| 0845            | 12S882 | 493282 | 12F882                                       | 2951   | 1      | 691451 | 1   | 691450 | 51<br>88       |                | All  | 3200 |             |       |
| 0846            | 12S802 | 493363 | 12F802                                       | 2916   |        |        |     |        | 51             |                | All  | 3000 | 498827      |       |
| 0848            | 12S802 |        | 12F802                                       | 2916   |        |        |     |        | 51<br>73       |                | All  | 3000 | 498827      |       |
| 0849            | 12S807 | 493946 | No Replacement Repair With Individual Parts. |        |        |        |     |        | 51             |                | All  | 3000 | 498830      |       |
| 0850            | 12S802 | 493362 | 12F802                                       | 2915   |        |        |     |        | 51             |                | All  | 3000 | 498826      |       |
| 0851            | 12S807 | 493946 | No Replacement Repair With Individual Parts. |        |        |        |     |        | 51             |                | All  | 3000 | 498830      |       |
| 0852            | 12S807 | 493363 | 12F807                                       | 2960   | 1      | 691451 | 1   | 691452 | 51<br>88       |                | All  | 3000 | 498827      |       |
| 0853            | 12S802 | 493363 | 12F802                                       | 2916   |        |        |     |        | 51<br>88       |                | All  | 3000 | 498827      |       |
| 0854            | 12S802 | 493946 | 12F802                                       | 2926   |        |        |     |        | 51             |                | All  | 3000 | 498830      |       |
| 0855            | 12S802 | 493363 | 12F802                                       | 2916   |        |        |     |        | 51             |                | All  | 3000 | 498827      |       |
| 0856            | 12S802 |        | 12F802                                       | 2915   |        |        |     |        | 51<br>88       |                | All  | 3000 | 498826      |       |
| 0857            | 12S807 | 493946 | No Replacement Repair With Individual Parts. |        |        |        |     |        | 51             |                | All  | 3000 | 498830      |       |
| 0859            | 12S802 | 493282 | 12F802                                       | 2925   |        |        |     |        | 51<br>88       |                | All  | 3000 | 498829      |       |
| 0861            | 12S807 | 493363 | No Replacement Repair With Individual Parts. |        |        |        |     |        | 51             |                | All  | 3000 | 498827      |       |
| 0862            | 12S802 | 493946 | 12F802                                       | 2926   |        |        |     |        | 51             |                | All  | 3000 | 498830      |       |
| 0863            | 12S802 |        | 12F802                                       | 2925   |        |        |     |        | 51             |                | All  | 3000 | 498829      |       |
| 0864            | 12S802 |        | 12F802                                       | 2926   |        |        |     |        | 51             |                | All  | 3000 | 498830      |       |
| 0865            | 12S802 |        | 12F802                                       | 2915   |        |        |     |        | 51             |                | All  | 3000 | 498826      |       |
| 0866            | 12S802 |        | 12F802                                       | 2916   |        |        |     |        | 51             |                | All  | 3000 | 498827      |       |
| 0867            | 12S802 |        | 12F802                                       | 2915   |        |        |     |        | 51             |                | All  | 3000 | 498826      |       |
| 0868            | 12S802 |        | 12F802                                       | 2916   |        |        |     |        | 51             |                | All  | 3000 | 498827      |       |
| 0869            | 12S807 |        | 12F807                                       | 2960   |        |        |     |        | 51             |                | All  | 3000 | 498826      |       |
| 0870            | 12S882 |        | 12F882                                       | 2951   | 1      | 690522 | 1   | 691778 | 51             |                | All  | 3000 | 498833      |       |
| 0871            | 12S887 |        | 12J887                                       | 2981   | 1      | 690522 | 1   | 691778 | 51             |                | All  | 3000 |             |       |
| 0872            | 12S802 |        | 12F802                                       | 2916   |        |        |     |        | 51<br>88       |                | All  | 3000 | 498827      |       |
| 0873            | 12S807 | 493363 | No Replacement Repair With Individual Parts. |        |        |        |     |        | 51             |                | All  | 3000 | 498827      |       |
| 0874            | 12S802 | 493363 | 12F802                                       | 2916   |        |        |     |        | 51             |                | All  | 3000 | 498827      |       |
| 0875            | 12S882 |        | 12F882                                       | 2951   | 1      | 690522 | 1   | 691778 | 51             |                | All  | 3000 | 498833      |       |
| 0876            | 12S887 |        | 12J887                                       | 2981   | 1      | 690522 | 1   | 691778 | 51             |                | All  | 3000 | 498833      |       |
| 0877            | 12S882 | 493362 | 12F882                                       | 2951   | 1      | 690522 | 1   | 691778 | 51<br>73<br>88 |                | All  | 3000 | 498833      |       |

## 12S800 to 12S899

| 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 |
| 0878            | 12S882 | 493362 | 12F882                                       | 2950   | 1      | 690319 | 1   | 691778 | 51   |                | All  | 3300 | 498834      |       |
|                 |        |        |                                              |        | 1      | 690522 | 1   | 691851 | 73   |                |      |      |             |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 0879            | 12S802 | 493362 | 12F802                                       | 2915   |        |        |     |        | 51   |                | All  | 3000 | 498826      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 0880            | 12S802 | 493362 | 12F802                                       | 2915   |        |        |     |        | 51   |                | All  | 3000 | 498826      |       |
| 0881            | 12S802 | 493362 | 12F802                                       | 2915   |        |        |     |        | 51   |                | All  | 3000 | 498826      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 0882            | 12S887 |        | 12J887                                       | 2981   | 1      | 691451 | 1   | 690524 | 51   |                | All  | 3000 |             |       |
|                 |        |        |                                              |        | 1      | 691778 | 1   | 691452 |      |                |      |      |             |       |
| 0883            | 12S807 | 493363 | 12F807                                       | 2960   | 1      | 691451 | 1   | 691452 | 51   |                | All  | 3000 | 498827      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 0884            | 12S882 |        | 12F882                                       | 2951   | 1      | 690522 | 1   | 690524 | 51   |                | All  | 3000 |             |       |
|                 |        |        |                                              |        | 1      | 691450 | 1   | 691452 | 88   |                |      |      |             |       |
| 0885            | 12S807 | 493363 | No Replacement Repair With Individual Parts. |        |        |        |     |        | 51   |                | All  | 3000 | 498827      |       |
| 0886            | 12S802 |        | 12F802                                       | 2916   |        |        |     |        | 51   |                | All  | 3000 | 498827      |       |
|                 |        |        |                                              |        |        |        |     |        | 73   |                |      |      |             |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 0887            | 12S802 |        | 12F802                                       | 2916   |        |        |     |        | 51   |                | All  | 3000 | 498827      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 0888            | 12S807 |        | 12F807                                       | 2960   | 1      | 691451 | 1   | 691452 | 51   |                | All  | 3000 | 498827      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 0889            | 12S882 |        | 12F882                                       | 2951   | 1      | 691451 | 1   | 691450 | 51   |                | All  | 3000 |             |       |
| 0890            | 12S802 | 493362 | 12F802                                       | 2915   |        |        |     |        | 51   |                | All  | 3000 | 498826      |       |
| 0891            | 12S802 | 493363 | 12F802                                       | 2916   |        |        |     |        | 51   |                | All  | 3000 | 498827      |       |
| 0892            | 12S802 | 493362 | 12F802                                       | 2915   |        |        |     |        | 51   |                | All  | 3000 | 498826      |       |
| 0893            | 12S802 |        | 12F802                                       | 2915   |        |        |     |        | 51   |                | All  | 3000 | 498826      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 0894            | 12S802 | 493282 | 12F802                                       | 2925   |        |        |     |        | 51   |                | All  | 3000 | 498829      |       |
| 0895            | 12S802 | 493362 | 12F802                                       | 2915   |        |        |     |        | 51   |                | All  | 3000 | 498826      |       |
| 0896            | 12S802 | 493363 | 12F802                                       | 2916   |        |        |     |        | 51   |                | All  | 3000 | 498827      |       |
| 0897            | 12S887 | 493362 | 12J887                                       | 2981   |        |        |     |        | 51   |                | All  | 3000 | 498833      | UU    |
| 0898            | 12S802 | 493362 | 12F802                                       | 2915   | 1      | 690319 | 1   | 691851 | 51   |                | All  | 3300 | 498826      |       |
| 0899            | 12S802 | 493362 | 12F802                                       | 2915   |        |        |     |        | 51   |                | All  | 3000 | 498826      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 0900            | 12S887 |        | 12J887                                       | 2981   |        |        |     |        | 51   |                | All  | 3000 |             |       |
| 0901            | 12S802 | 493282 | 12F802                                       | 2925   |        |        |     |        | 51   |                | All  | 3000 | 498829      |       |
| 0902            | 12S882 |        | 12F882                                       | 2951   | 1      | 691451 | 1   | 691450 | 51   |                | All  | 3000 |             |       |
| 0903            | 12S802 |        | 12F802                                       | 2916   |        |        |     |        | 51   |                | All  | 3000 | 498827      |       |
| 0904            | 12S802 |        | 12F802                                       | 2915   |        |        |     |        | 51   |                | All  | 3000 | 498826      |       |
| 0905            | 12S802 |        | 12F802                                       | 2915   |        |        |     |        | 51   |                | All  | 3000 | 498826      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 0906            | 12S882 |        | 12F802                                       | 2951   | 1      | 690522 | 1   | 691778 | 51   |                | All  | 3000 | 498833      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 0907            | 12S887 |        | 12J887                                       | 2981   |        |        |     |        | 51   |                | All  | 3000 | 498833      | UU    |
| 0908            | 12S882 |        | 12F882                                       | 2950   | 1      | 690522 | 1   | 691778 | 51   |                | All  | 3000 | 498834      |       |
|                 |        |        |                                              |        |        |        |     |        | 73   |                |      |      |             |       |
| 1111            | 12S802 | 493363 | 12F802                                       | 2916   |        |        |     |        | 51   |                | All  | 3000 | 498827      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 1113            | 12S802 | 493282 | 12F802                                       | 2925   |        |        |     |        | 51   |                | All  | 3000 | 498829      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 1114            | 12S802 | 493946 | 12F802                                       | 2926   |        |        |     |        | 51   |                | All  | 3000 | 498830      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 1116            | 12S802 |        | 12F802                                       | 2916   |        |        |     |        | 51   |                | All  | 3000 | 498827      |       |
|                 |        |        |                                              |        |        |        |     |        | 88   |                |      |      |             |       |
| 1121            | 12S807 | 493946 | No Replacement Repair With Individual Parts. |        |        |        |     |        | 51   |                | All  | 3000 | 498830      |       |

## 12S800 to 12S899

| 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 |
| 1123            | 12S807 | 493362 | 12F807                                       | 2960   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498826      |       |
| 1124            | 12S802 | 493362 | 12F802                                       | 2915   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498826      |       |
| 1125            | 12S802 | 493363 | 12F802                                       | 2916   |        |        |     |        | 51       |                | All  | 3000 | 498827      |       |
| 1126            | 12S807 |        | 12F807                                       | 2960   | 1      | 691451 | 1   | 691452 | 51       |                | All  | 3000 | 498827      |       |
| 1127            | 12S802 | 493282 | 12F802                                       | 2925   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498829      |       |
| 1128            | 12S882 |        | 12F882                                       | 2951   | 1      | 691451 | 1   | 691450 | 51<br>88 |                | All  | 3000 |             |       |
| 1129            | 12S807 | 493282 | 12F807                                       | 2960   | 1      | 691451 | 1   | 691450 | 51<br>88 |                | All  | 3000 | 498829      |       |
| 1130            | 12S882 |        | 12F882                                       | 2951   | 1      | 690522 | 1   | 691778 | 51<br>88 |                | All  | 3000 | 498833      |       |
| 1134            | 12S802 | 493946 | 12F802                                       | 2926   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498830      |       |
| 1135            | 12S802 | 493363 | 12F802                                       | 2916   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498827      |       |
| 1136            | 12S802 | 493363 | 12F802                                       | 2916   |        |        |     |        | 51       |                | All  | 3000 | 498827      |       |
| 1137            | 12S807 | 493363 | 12F807                                       | 2960   | 1      | 691451 | 1   | 691452 | 51<br>88 |                | All  | 3000 | 498827      |       |
| 1140            | 12S807 | 493946 | No Replacement Repair With Individual Parts. |        |        |        |     |        | 51       |                | All  | 3000 | 498830      |       |
| 1141            | 12S802 |        | 12F802                                       | 2915   |        |        |     |        | 51<br>73 |                | All  | 3000 | 498826      |       |
| 1162            | 12S802 | 493362 | 12F802                                       | 2915   |        |        |     |        | 51       |                | All  | 3000 | 498826      |       |
| 1163            | 12S802 |        | 12F802                                       | 2925   |        |        |     |        | 51       |                | All  | 3000 | 498829      |       |
| 1164            | 12S802 |        | 12F802                                       | 2926   |        |        |     |        | 51       |                | All  | 3000 | 498830      |       |
| 1165            | 12S802 |        | 12F802                                       | 2915   |        |        |     |        | 51       |                | All  | 3000 | 498826      |       |
| 1166            | 12S802 |        | 12F802                                       | 2916   |        |        |     |        | 51       |                | All  | 3000 | 498827      |       |
| 1167            | 12S802 | 493363 | 12F802                                       | 2916   |        |        |     |        | 51       |                | All  | 3000 | 498826      |       |
| 1168            | 12S802 | 493282 | 12F802                                       | 2925   |        |        |     |        | 51       |                | All  | 3000 | 498829      |       |
| 1363            | 12S802 |        | 12F802                                       | 2925   |        |        |     |        | 51       |                | All  | 3000 | 498829      |       |
| 1364            | 12S802 |        | 12F802                                       | 2926   |        |        |     |        | 51       |                | All  | 3000 | 498830      |       |
| 1365            | 12S802 |        | 12F802                                       | 2915   |        |        |     |        | 51       |                | All  | 3000 | 498826      |       |
| 1366            | 12S802 |        | 12F802                                       | 2916   |        |        |     |        | 51       |                | All  | 3000 | 498827      |       |
| 1521            | 12S802 | 493946 | 12F802                                       | 2926   |        |        |     |        | 51<br>88 |                | All  | 3000 | 498830      |       |
| 1563            | 12S802 |        | 12F802                                       | 2925   |        |        |     |        | 51       |                | All  | 3000 | 498829      |       |
| 1564            | 12S802 |        | 12F802                                       | 2926   |        |        |     |        | 51       |                | All  | 3000 | 498830      |       |
| 1565            | 12S802 |        | 12F802                                       | 2915   |        |        |     |        | 51       |                | All  | 3000 | 498826      |       |
| 1566            | 12S802 |        | 12F802                                       | 2916   |        |        |     |        | 51       |                | All  | 3000 | 498827      |       |
| 1567            | 12S807 |        | 12F807                                       | 2960   | 1      | 691451 | 1   | 691450 | 51       |                | All  | 3000 | 498827      |       |