

**Solution Number: 12935**

**Solution Summary: SIB-90-11-40-3 Onan Engine With Solenoid Shift Starter - Won't Engage When Key Is In Start Position. May Only Click. Install Relay Kit. ALSO SIB 90-11-30-3 F910 (S/N 360001- ) F930 (S/N 360001- ) 316**

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**\*\*Paper copies of solutions may not be the most current solutions\*\***

[90-11-40-3](#) (Linked To Pathways)

COMPLAINT OR SYMPTOM:

- NOTHING HAPPENS WHEN YOU TURN KEY TO START POSITION.
- SOLENOID CLICKS WHEN YOU TURN KEY TO START POSITION.
- SOLENOID MOVES BUT STARTER DRIVE GEAR DOES NOT ENGAGE FLYWHEEL.
- BATTERY AND STARTER PASS TECHNICAL MANUAL TESTS.

PROBLEM:

VOLTAGE DROPS BETWEEN BATTERY AND STARTER SOLENOID.

SOLUTION:

1. INSTALL RELAY KIT (AM107421). INSTALLATION INSTRUCTIONS +(M77862)+ ARE PROVIDED WITH KIT. GREASE TERMINALS WITH MPG2 GREASE (M79292).

+(2. IF RELAY KIT DOES NOT RESOLVE, CLEANING AND INSPECTION OF BATTERY POSTS, CABLES, AND ELECTRICAL CONNECTION IS REQUIRED TO ELIMIANTE VOLTAGE DROP. GREASE CONNECTIONS WITH MPG-2 TO PREVENT CORROSION.)+

+(ADDITIONAL INFORMATION:

WIRING LOCATIONS FOR THE RELAY ARE AS FOLLOWS:

- KEY SWITCH LEAD TO PIN 85 ON RELAY.
- RELAY PIN 86 TO GROUND.
- LEAD FROM (+) BATTERY CONNECTION ON STARTER TO PIN 30 ON RELAY.
- RELAY PIN 87 TO STARTER SOLENOID TERMINAL.
- INSTALL RELAY WITH TERMINALS DOWNWARD AND AWAY FROM ENGINE.

RELAY KIT IS NOT COMPATIBLE WITH ENGINES THAT HAVE BENDIX TYPE STARTER THAT USE A REMOTE MOUNTED SOLENOID.)+

PARTS:

PART NAME QTY PART NUMBER

RELAY KIT 1 AM107421

MPG2 GREASE 1 M79292

(LWMH) D-TAC CASE #41665/55123 (SGH)

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F930, 316, 420, 318, F910

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ERRATIC, GEAR, WIRE, FAIL, SIB, SWITCH, ENGAGE, START, NOISE, IGNITION, FLYWHEEL, HESITATE,  
JDM ELEC, ENG