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DATE Feb. 20, 1975
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SUBJECT: 300-0859 PRINTED CIRCUIT BOARD

REF. FILE# S-37

MODEL(S) or SERIES:

EFFECTIVE: IMMEDIATELY

CCK, MCCK, AND NH GENERATOR SETS USING THE
300-0859 PRINTED CIRCUIT BOARD IN THE
CONTROL (SOLID-STATE)

This bulletin pertains to modification packages that have been made to reduce, prevent or eliminate the common field problems on generator set controls using this printed circuit board. The four main modification packages and procedures are as follows:

1. **IN-LINE FUSE PACKAGE #321-0212:** This package is to reduce board failures on early units without fuse protection on terminal #5. Most board failures were caused by customer errors such as reverse battery connections or incorrect remote start connections etc. The procedure is as follows:

UNITS IN WARRANTY - Add fuse package at No Charge for Parts and Labor, IF WARRANTABLE. Allowable labor time will be 15 minutes.

UNITS OUT OF WARRANTY - Promote sale of Fuse package at Customer's expense.

2. **F3 FUSE BY-PASS PACKAGE #321-0210:** This package is offered as a customer convenience to eliminate the necessity of removing the printed circuit board to repair a blown fuse F3. The procedure is as follows:

Warranty claims will NOT be paid on repair or replacement of the complete 300-0859 Printed Circuit Board. Also refer to Product Support Bulletin #40 (Code S-26) dated December 16, 1974.

Promote sale of Fuse By-Pass package as a convenience at Customer's expense.

3. **COVER AND SWITCH REPAIR PACKAGE #300-1232:** This package includes the necessary hardware and parts to repair a missing switch S-1 or S-2 which may have been damaged when cover was removed. The procedure is as follows:

UNITS IN WARRANTY - Onan will supply Parts and Labor at No Charge. Allowable labor time will be 1/2 hour. NO WARRANTY will be allowed for replacement of the complete 300-0859 Printed Circuit Board because of a missing switch push-button on S-1 or S-2. Replace the board if the switch becomes broken off at the solder connections.

UNITS OUT OF WARRANTY - Promote sale of 300-1232 Switch Repair Package at Customer's expense.

(OVER)

4. START-DISCONNECT MODIFICATION PACKAGE #300-1231: This package was designed to reduce, prevent or eliminate three separate problems which were:
 - A. Sticking Start Solenoids
 - B. Solenoid Chatter Affecting Cranking Speed.
 - C. Blown CR10 Diodes (provided motor home applications do NOT have a faulty transfer switch.

Procede as follows:

UNITS IN WARRANTY - Onan will allow normal Parts and Labor. Allowable labor time will be 1/2 hour.

UNITS OUT OF WARRANTY - Submit Warranty Claim for CONSIDERATION by Onan to cover all Parts at No Charge, But Labor at Customer's expense. This policy expires ONE YEAR from DATE of THIS BULLETIN.

5. GENERAL INFORMATION AND PROCEDURES FOR REPAIRING THE 300-0859 PRINTED CIRCUIT BOARD.

General warranty coverage does NOT apply if the 300-0859 Printed Circuit Board is replaced because of corroded printed circuit paths, which may have been caused by foreign material (road salt, water, etc.); (except as noted in modification package #4 above because of chattering Start Solenoids affecting cranking speed.)

Warranty coverage does NOT apply to boards replaced because of blown CR10 Diodes (If used in conjunction with a faulty transfer switch.)

Resolder Cracked Solder Joints at the Terminal Strips. Warranty Labor allowance will be 15 minutes.

For further information on problems caused by faulty transfer switches, refer to Product Support Bulletin #58 (Code C-2) dated February 20, 1975.

A new Service Bulletin (Control 17) providing detailed informaton on problem symptoms, troubleshooting and repair procedures for the 300-0859 Printed Circuit Board, will be available in the near future.

This bulletin is for informational purposes.