



AlliedSignal Aerospace
Electronics & Avionics Systems
400 N. Rogers Road
Olathe, Kansas 66062

Global *Service Bulletin*

BULLETIN NO: RT-406F-12/13
RT-406F FLEXCOMM UHF FM
Communications Transceiver

EFFECTIVITY

RT-406F units, P/N 400-012785-00 through -03, serial numbers 1239 and below. Units with serial numbers above those stated have Mod 12 incorporated during original manufacturing.

RT-406F units, P/N 400-012785-50 through -53, serial numbers 1239 and below. Units with serial numbers above those stated have Mod 13 incorporated during original manufacturing.

REASON

To maintain SCD and improve Digitally Coded Squelch (DCS) tone operation.

DESCRIPTION

This modification consists of adding one capacitor and replacing one capacitor on the Encryption Compatible Board.

COMPLIANCE

Recommended at operator's convenience.

WARRANTY INFORMATION

This modification is a product improvement and is not warranty reimbursable.

APPROVAL

This modification does not affect the original approval.

MANPOWER

Two (2.0) hours labor including testing.

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REFERENCES

RT 406F Maintenance Manual, P/N 150-1332-XXX.

MODIFICATION PROCEDURE

1. Access the Encryption Compatible Board according to the Disassembly Procedures in the Maintenance Manual.
2. See Figure 1. Lift the leg of R165 closest to C91. Install one leg of C72, P/N 096-01082-0064, into the pad where the leg of R165 was. Join and solder the raised legs of C72 and R165.
3. Replace C91 with a new C91, P/N 096-06396-0011.
4. Reassemble the unit.

IDENTIFICATION PROCEDURE

For and RT-406F, P/N 400-012785-00 through -03, stamp an X on the modification section of the Unit Serial Tag to indicate that Mod 12 is complete.

For and RT-406F, P/N 400-012785-50 through -53, stamp an X on the modification section of the Unit Serial Tag to indicate that Mod 13 is complete.

TESTING PROCEDURE

Perform a complete functional test of the unit in accordance with Section II of the Maintenance Manual.

MATERIAL INFORMATION

All parts necessary to modify one RT-406F per this Service Bulletin are listed below:

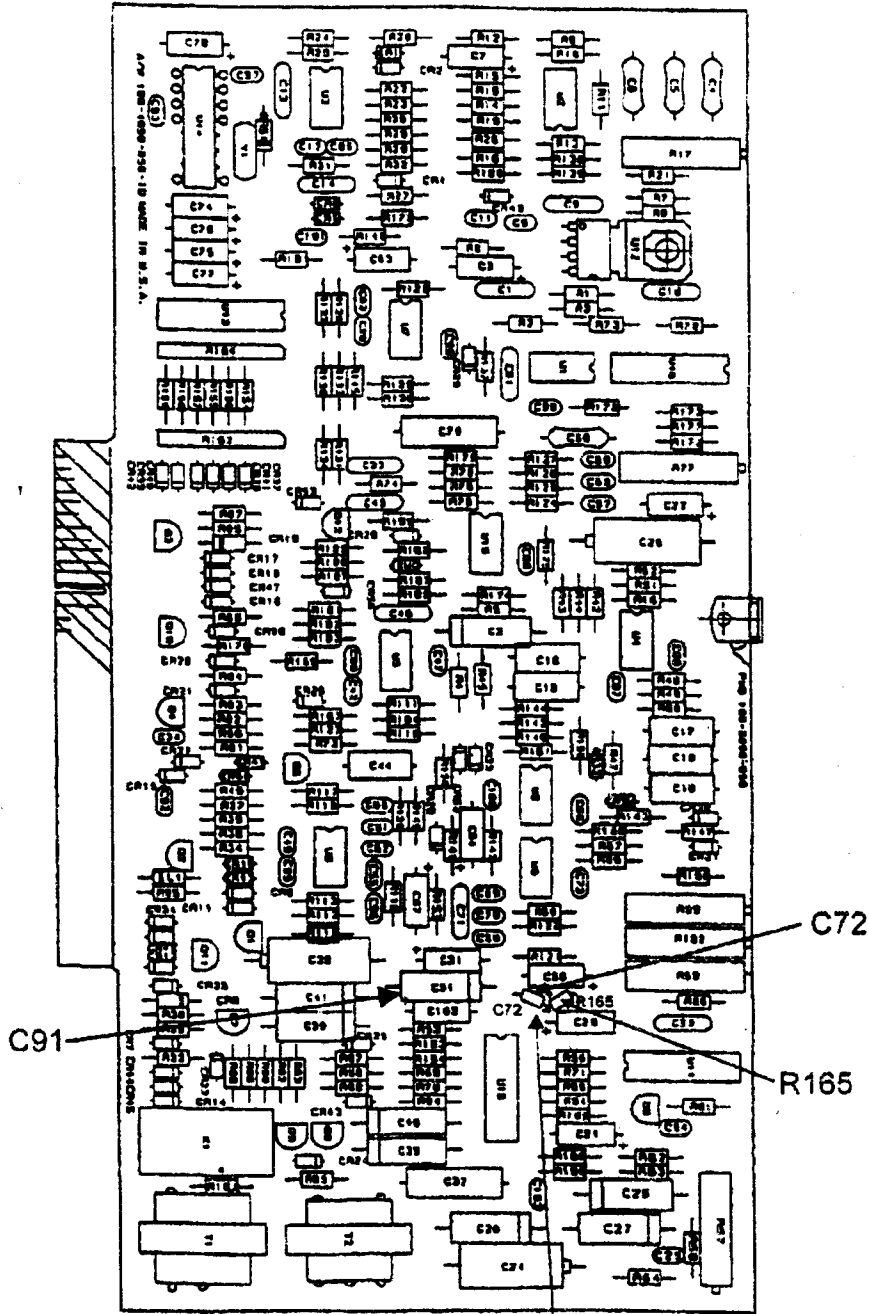
Part Number	Qty	Description
096-01082-0064	1	CAP TN 100UF 10V
096-06396-0011	1	CAP TN 39UF 10V

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REMOVE R165 LEG CLOSEST TO C91. INSTALL NEGATIVE LEG OF C72 INTO VIA HOLE LEFT BY LEG OF R165. ATTACH AND SOLDER REMAINING LEADS OF R165 AND C72 TOGETHER.

Figure 1
Encryption Compatible Board
300-2181 Rev-13

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