



Command Systems Division
Product Support Department
815 Broad Hollow Road
Farmingdale, NY 11735

SERVICE BULLETIN

(Equipment Previously Supplied By Honeywell)

Interface Unit IU-1507A

Part Numbers 4001976-0751 and 4001976-0752

Unit Mod 21

Subassembly Mod 12 to CPU Module

P/N 8057123-0501

Software Modification to preclude false setting of the NAVIGATION MEMORY FULL flag

Reason for Change:

This Service Bulletin provides updated software, which adds filtering to inhibit false alarm setting when the unit is connected to a universal flight management system.

Summary:

As a result of making these changes the IU-1507A-0501 unit software mod is updated to Revision K and the unit hardware modification status of the Interface Unit is updated to “Mod 21”. The CPU Module is updated to “Mod 12”.

PART 1, PLANNING

1. Effectivity

IU-1507A-0751, Part Number 4001976-0751, retrofit Serial Numbers T2030 and below.
IU-1507A-0752, Part Number 4001976-0752, retrofit Serial Numbers below T2000.

2. Reason

This change ensures false memory full alarms will not be generated when the unit is connected to a universal flight management system.

3. Description

This change replaces two PROMs in the unit and updates the software identification plate, the unit mod status and the mod status of the CPU Module of the Interface unit.

4. Compliance

This is an optional change that can be done at operator's convenience. Telephonics recommends the change be accomplished at the next servicing of the unit.

5. Approval Statement

This service bulletin contains no modification information that revises the approved configuration and therefore does not require governmental or other regulatory agency approval.

6. Manpower

One (1) hour of labor including testing are estimated to incorporate this modification.

7. Weight and Balance

None.

8. Electrical Load Data

Not Changed.

9. Software

This change incorporates software Revision K, Release 21 for the CPU Module of the Interface unit. Software Accomplishment Summary information for this change is contained in Telephonics Document 381-SAS-0001, Rev A

10. References

4001976-0751	Outline Drawing, Radar Interface Outline Assembly
4001976-0752	Outline Drawing, Radar Interface Outline Assembly IU-1507A
8057123-0501	CPU Module

11. Affected Publications

006-15589-0000	Maintenance Manual
----------------	--------------------

12. Warranty

One (1) hour of labor will be allowed for units in warranty.

PART 2, MATERIAL INFORMATION

All parts necessary to upgrade an IU-1507A, P/Ns 4001976-0751 and 4001976-0752 to revision K, release 21 software according to this service bulletin are listed below:

Part Number	Qty	Description
381-9E03-002	1	Programmed Microcircuit, CPU Software, U5
379-9E03-001	1	Programmed Microcircuit, CPU Software, U12

Contact Telephonics for current material pricing. Please reference this Service Bulletin.

PART 3, ACCOMPLISHMENT INSTRUCTIONS

- 1) Disassemble the IU-1507A according to maintenance manual procedures found in the Disassembly/Assembly section, page 5-13, to access the CPU Module.

CAUTION

Replacement modules will be packed in conductive foam to protect them from static charges. Do not remove the module from the foam until ready for installation in the unit. Take all anti-static precautions when handling these modules.

- 2) Remove Board 3606467-0501, CPU Module:

- a) Remove and replace microcircuit at U5 per the following table:

Part Number	Replace with
51144-0575	381-9E03-002

- b) Remove and replace microcircuit at U12 per the following table:

Part Number	Replace with
51144-0574	381-9E03-001

- 3) Place a dot of red paint on the board modification decal to indicate that mod 12 has been accomplished for the CPU Module.

- 4) Reassemble the unit according to the instructions in the Dissassembly/Assembly Section, page 5-13, of the Maintenance Manual.
- 5) Perform a complete functional test of the unit in accordance with the Testing and Troubleshooting section, page 3-1, of the maintenance manual.

6) IDENTIFICATION PROCEDURE

Place a dot of red paint on the Modification Plate on the front of the IU-1507A Interface Unit to indicate that Mod 21 has been accomplished.

Place a dot of red paint on the board modification decal to indicate that Mod 12 has been accomplished for the CPU Module.

For additional information contact:

Telephonics Corporation
Command Systems Division
Product Support Group
815 Broad Hollow Road
Attention: Mr. Kenneth Bernstein – Mail Stop 40
Farmingdale, NY 11735
Phone: 631-755-7081
1-877-577-2327
Fax: 1-631-755-7227
1-631-755-7701
e-mail: bernstein@telephonics.com