
SERVICE BULLETIN

Interface Unit IU-1507A Part Number 4001976-0751

Conversion of interface unit IU-1507A from Part Number 4001976-0751 to Part Number 4001976-0753

This Service Bulletin contains the instructions necessary to convert the Interface Unit IU-1507A from part Number 4001976-0751 to Part Number 4001976-0753.

This Service Bulletin can be downloaded from the Telephonics web site www.telephonics.com .

PART 1, PLANNING

1. Effectivity

This service bulletin pertains to all production units P/N 4001976-0751.

2. Reason

The 4001976-0753 version of the IU-1507A is compatible with the Caledonian Airborne Systems Track While Scan (TWS) Radar display system.

3. Description

This change converts and re-identifies the IU1507A from 4001976-0751 to 4001976- 0753.

4. Compliance

This is an optional change that can be done at the operator's convenience. Telephonics recommends this change be accomplished if the radar system is configured with a Caledonian Airborne Systems TWS display system.

5. Approval Statement

This service bulletin contains no modification information that revises the approved configuration.

6. Manpower

Eight (1) hours of labor excluding testing are estimated to incorporate this modification.

7. Weight and Balance

None.

8. Electrical Load Data

Not Changed.

9. Software

Not Changed.

10. Reference

8070592-0001 IU-1507A Ship Check Test Procedure

11. Affected Publications

006-15590-000 RDR-1500B Maintenance Manual (IU-1507A)

PART 2, MATERIAL INFORMATION

All parts necessary to convert an IU-1507A, P/N 4001976-0751 to an IU-1507A, P/N 4001976-0753 according to this service bulletin are listed below:

Item	Part Number	Qty	Description
1	122-01854-0000	1	IC, PROM
2	122-01855-0000	1	IC, PROM
3	381-1004-003	1	Plate, Identification

For additional material information (including price and delivery) - please contact:

Telephonics Corporation
815 Broad Hollow Road
Farmingdale, NY 11735
Attn: Product Support Department

Tel: 1-877-517-2327
1-631-755-7004

Fax: 1-877-755-7701
1-631-755-7227

Please specify part numbers, quantity required and reference this Service Bulletin.

PART 3, ACCOMPLISHMENT INSTRUCTION SUMMARY

This modification procedure is structured as follows:

- Chassis and circuit card hardware Modification
- Testing – Perform IU testing per paragraph 1.10 above

A. Chassis and circuit card Hardware Modification

1. Place the unit (figure 1) on the work bench.

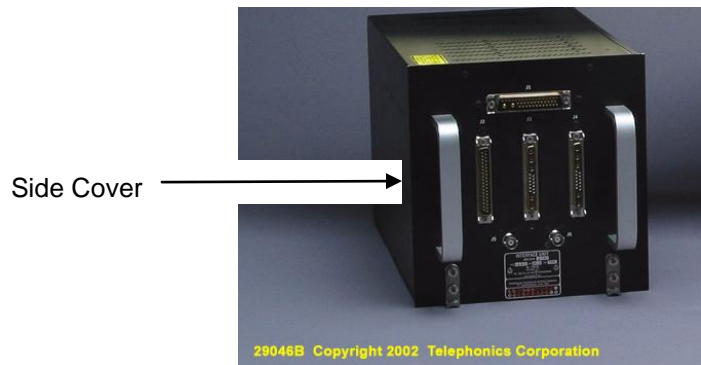


Figure 1. Interface Unit

2. Acquire the Modification Parts Kit above.
3. Side Cover Removal. (Reference Maintenance Manual Volume 2, Part 5, Para.5A) Disengage nine one-quarter turn captive fasteners on right side (when facing front panel) of unit and remove side cover.
4. CPU Module Removal. (Reference Maintenance Manual Volume 2, Part 5, Para. 5A) Remove CPU Module CCA 8057123-0501.

(a) Remove and replace microcircuits U5 and U12 per the following table:

Ref. Des.	Part Number	Replace With
U5	381-9E03-002	122-01855-0000
U12	381-9E03-001	122-01854-0000

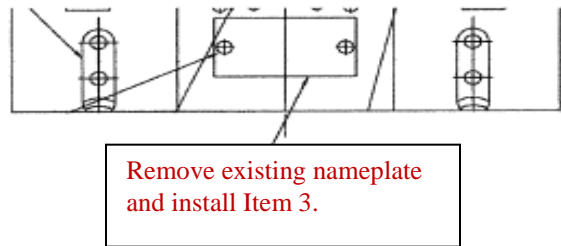
5. Change marking on CPU Module CCA from “-0501” to “-0502”.
6. Replace CPU Module CCA 8057123-0502 in the reverse order of removal.

B. Interface Unit Testing

Perform the IU Section of the applicable test procedure referenced in paragraph 1.10 to verify that an Interface Unit is in good working order.

C. Unit Identification

1. On the IU-1507A, attach the supplied Item 3 approximately as shown in the drawing below.



2. Mark new nameplate with the appropriate unit serial number.

3. Discard the old nameplate.

For additional information contact:

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Radar Systems Division
Product Support Group
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