



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

SERVICE BULLETIN

(Equipment Previously Supplied By Honeywell)

Service Bulletin SB-T-04-1500B-0002

RDR-1500B WEATHER RADAR SYSTEM

IN-1502A Radar Indicator
P/N 4001974-0203 thru -0207
Unit Mod 10

IN-1502H Radar Indicator
066-01170-0100, -0200, -0300 and -0400
Unit Mod 2

VIDEO/RS-170 MODULE
P/N 8057175-0501 thru 0504
Sub-Assy Mod 6

Reason for Change:

PRODUCT IMPROVEMENT TO ENHANCE HIGH VOLTAGE RELIABILITY

Summary:

This change is to be retrofit upon failure and repair of the IN-1502A or IN-1502H indicators.



PART 1, PLANNING

1. Effectivity

Telephonics recommends that all failed IN-1502A or IN-1502H indicators be upgraded.

2. Reason

This change provides additional protection from high voltage arcing.

3. Description

A Zener diode is added to the Video/RS-170 Module.

4. Compliance

This is a suggested change implemented only upon unit failure. The new component is added after the unit has been repaired per procedures in the referenced Technical Manual.

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

N/A

10. References

4001974-0203 thru -0207	IN-1502A Indicator
066-01170-0100, -0300 and -0400	IN-1502H Indicator
8057175-0501 thru -0504	Video/RS-170 Module

11. Affected Publications

006-15591-0000	IN-1502A Maintenance Manual
TM109102	IN-1502H Maintenance Manual

Issue Date: July, 2004



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12. Warranty

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

PART 2, MATERIAL INFORMATION

All parts necessary to upgrade an IN-1502A or IN-1502H indicator according to this service bulletin are listed below:

Part Number	Qty	Description
12043-0062	1	Zener Diode, CR28
A235A039-1	AR	Epoxy
150-00003-0010	2	Tubing, Teflon, 24 AWG

Contact Telephonics for current material pricing. Please reference this Service Bulletin and PCN number 381-273A.

PART 3, ACCOMPLISHMENT INSTRUCTIONS

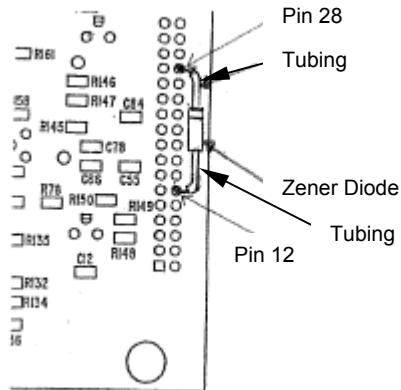
- 1) Disassemble the IN-1502A or IN-1502H according to the referenced maintenance manual procedures, to access the Video/RS-170 Module.

CAUTION

The Zener Diode will be packed in conductive foam to protect it from static charges. Do not remove the Zener Diode from the foam until ready for installation in the unit. Take all anti-static precautions when handling this component.

- 2) Remove Video/RS-170 Module 8057175-0501 thru -0504

- a) Attach two pieces of teflon tubing to the Zener diode and solder the diode to the board as shown below. Be sure to observe that the polarity band is positioned as shown.



- 3) Place a dot of red paint on the board modification decal to indicate that mod 6 has been accomplished for the Video/RS-170 Module.
- 4) Reassemble the unit according to the instructions in the Assembly Section, of the appropriate referenced Maintenance Manual.
- 5) Perform a complete functional test of the unit in accordance with the Testing and Troubleshooting section of the Maintenance Manual.



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6) IDENTIFICATION PROCEDURE

Place a dot of red paint on the Modification Plate on the IN-1502A or IN-1502H indicator Unit to indicate that Mod 10 (for p/n 4001974-0203 thru -0207) and Mod 2 (for p/n 066-01170-0100, -0200,-0300 and -0400) has been accomplished.

For additional information contact:

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