

CANCELLED

This service bulletin is cancelled because no change of component part numbers has been made.



Radar Systems Division
Logistics Engineering & Support Dept.
815 Broadhollow Road
Farmingdale, New York 11735 USA

SERVICE BULLETIN

REVISION 7 To Service Bulletin SB-T-01-1300/1400-001

**RDR-1300B/1400B WEATHER RADAR SYSTEM
RT-1301B/1401B RECEIVER-TRANSMITTERS**

RT-1301A&B, RT-1450/APN-234 P/N 4000966

-0101 thru -0111	Unit Mod 7
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All Serial Numbers

RT-1401B P/N 4000831

-0101 thru -0104	Unit Mod 11
-0112 & -0113	Unit Mod 11

All Serial Numbers

RT-1401B P/N 4000831

-0105	Unit Mods 12 and 13
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Serial Numbers T2000 to T2299

RT-1401B P/N 4000831

-0106	Unit Mods 12 and 13
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Serial Numbers T2000 to T2049
and all military units

**MODULATOR ASSEMBLY P/N 4007720-0501 to -0502
Sub-assy Mod 9**

PFN CAPACITOR AND TRIGGER TRANSFORMER REPLACEMENT

REASON FOR CHANGE:

An improved Trigger Transformer (Part Number 17374-0001 with a date code of 200338 or higher) is required for this modification. When performing Service Bulletin SB-T-01-1300/1400-001 Rev 3 in the event of failure to modulator pulse forming network components, the parts supplied will contain the new transformer. Service Bulletin SB-T-01-1300/1400-001 Rev 4 contained typographical errors corrected by Rev. 5.

Typographical errors found on Revision 3 are shown on page 3.

Effectivity for RT-1401B P/N 4000831 expanded to include all military units.

New requirements for Capacitor replacement and a **CAUTION** notice concerning part removal technique are added

Issue Date: September 2001
Revision 1: March 2002
Revision 2: March 2003
Revision 3: March 2004
Revision 4: December 2004

Revision 5: April 2005
Revision 6: September 2005
Revision 7 Issued: May 2008
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SB-T-01-1300/1400-001 Rev 7
Page 1 of 5

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MATERIAL INFORMATION

The parts required for this modification are shown in the following table:

Telephonics Part Number	Description	Qty
10238-0001	Capacitor, Foil, 0.12 uf $\pm 5\%$ 650 vdc, C4001 – C4004 **	4
109-10384-0001	Capacitor, Ceramic, .02 uf $\pm 5\%$ 1 kv, leaded C4005	1
109-10384-0002	Capacitor Ceramic, .03 uf $\pm 5\%$ 1 kv, lead C4006, C4007, C4011	3
51007-0152	Integrated Circuit U20 or U7*, MH0026CN	1
17374-0001 (Date code 200338 or higher)	Transformer, T1 and T2	2

*based on Revision 3 modification achievement instructions

** These component replacements are not mandatory but are replaced at the discretion of the installing technician.

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ACCOMPLISHMENT INSTRUCTIONS

- h. Using Figure 1, Modulator Parts Location, locate C4001, C4002, C4003, C4004, C4005, C4006, C4007, C4011, T4001, and T4002
- i. In accordance with instruction in I.B. 21401B/I.B. 21401-1 Section III, paragraphs 6C and F, remove capacitors C4001 thru C4007, C4011, and trigger transformers T4001, and T4002.

⚠ CAUTION

Care should be taken to strictly follow the manual removal instructions. Excessive heat or force applied to components will cause the printed circuit board through hole barrels to detach from the board and be removed along with the component.

Replace with new parts as follows:

- Replace C4001 with 10238-0001
- Replace C4002 with 10238-0001
- Replace C4003 with 10238-0001
- Replace C4004 with 10238-0001
- Replace C4005 with 109-10384-0001
- Replace C4006 with 109-10384-0002
- Replace C4007 with 109-10384-0002
- Replace C4011 with 109-10384-0002

To order the required parts, for current part pricing, or for additional information - 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

Orders must specify part numbers, quantity required and reference this Service Bulletin, PCN 379-0775B and PCN 379-0653.

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SB-T-01-1300/1400-001 Rev 7
Page 3 of 5

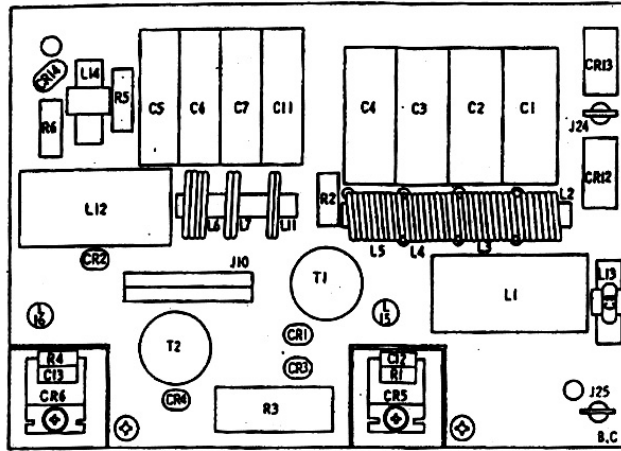
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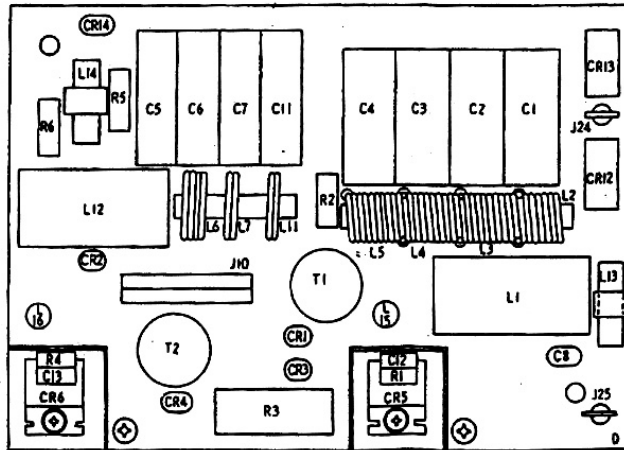
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836089618, CV

NOTE: ADD 4000 TO ALL REFERENCE DESIGNATIONS.



83608961 D, V

NOTE: ADD 4000 TO ALL REFERENCE DESIGNATIONS.

Figure 1. Modulator Parts Location

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SB-T-01-1300/1400-001 Rev 7
Page 4 of 5

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IDENTIFICATION

If you are modifying an RT-1301A or B or RT-1450/APN-34, apply a dot of red paint to cover mod 7 of the Unit modification decal (as shown on page 1).

If you are modifying an RT-1401B, apply a dot of red paint to cover either mod 11 or mods 12 and 13 of the Unit modification decal (based on the part number as shown on page 1).

In addition, apply a dot of red paint to cover mod 9 of the Modulator Assembly modification decal.

REVISION 3 TYPOGRAPHICAL ERRORS

Page 6, Step o:

Change to read:

- o. For RT-1301A&B & RT-1450/APN-234 (4000966-0101 thru -0111) and for RT-1401B (400831-0101 thru -0104 and - 0112 and -0113) perform steps o through r.**

Page 9 (Caption):

Change to read:

Figure 3. Mode Decode Board (For RT-1301A&B & RT-1450/APN-234 (4000966-0101 thru -0111) and for RT-1401B (400831-0101 thru -0104 and - 0112 and -0113).

For additional information contact:

Telephonics Corporation
Radar Systems Division
Product Support Group
815 Broad Hollow Road
Attention: Mr. Kenneth Bernstein – Mail Stop 40
Farmingdale, NY 11735
Phone: 1-631-755-7081
Fax: 1-631-755-7227

e-mail: bernstein@telephonics.com

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SB-T-01-1300/1400-001 Rev 7
Page 5 of 5