



Telephonics Corporation  
815 Broad Hollow Road  
Farmingdale, NY 11735 USA  
www.telephonics.com

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## SERVICE BULLETIN

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# Service Bulletin SB-T-09-1500B-0005

**RDR-1500B WEATHER RADAR SYSTEM**

**RT-1501A RECEIVER-TRANSMITTER**

**P/N 4001973-0151  
Unit Mod 37**

**Final Assy, R/T  
P/N 2040422-0503 and -0504 Sub-assy Mod 10**

**MANUFACTURING IMPROVEMENT**

### **REASON FOR CHANGE:**

This optional modification provides a more robust charging choke,

**Please return copies of the Modification Completion Form on the last page for each unit modified to Telephonics Corporation via mail, Fax or attached to an email. Thank you.**



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### **Planning**

#### **EFFECTIVITY**

→ This service bulletin is applicable to All RT-1501A Receiver Transmitters upon failure.

#### **DESCRIPTION**

On the Final RT Assembly an improved charging choke is adopted.

#### **COMPLIANCE**

This modification should be incorporated in all affected RT-1501A units.

#### **APPROVAL**

This modification is a product improvement that does not revise the approved configuration; therefore, this modification does not require FAA or other regulatory agency approval.

#### **MANPOWER**

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

#### **MATERIAL INFORMATION**

All parts necessary to upgrade an RT-1501A according to this service bulletin are listed below:

<b>Item</b>	<b>Part Number</b>	<b>Qty</b>	<b>Description</b>
1	17530 with date code of 0613 or higher.	1	Charging choke, L1001

Contact Telephonics by telephone at 1-631-755-7004 for current material pricing. Please reference this Service Bulletin and PCN-381-0448.

This modification can be performed by an authorized Telephonics Service Center or by the Telephonics factory.



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To return a failed unit to Telephonics for upgrade and repair – 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

### REFERENCE

006-15590-0000 RDR-1500B Maintenance Manual (Volume 2)  
(or TM110502)

### PUBLICATION AFFECTED

The next revision to maintenance manuals for the RDR-1500B will document this service bulletin.

### WARRANTY

Four (4) hours for labor and material will be covered for units in warranty.

### PART 3, ACCOMPLISHMENT INSTRUCTIONS

- 1) Disassemble the RT-1501A according to maintenance manual procedures found in the Disassembly/Assembly section.
- 2) Remove Charging Choke as described in paragraph 1.19N (page 1-125) in the technical manual.
- 3) Tag the wires connected to the existing choke to identify where to place them on the new choke. Remove the wires,
- 4) Secure the supplied choke with six flat head screws and reconnect the wires removed from the old choke.
- 5) Place a dot of red paint in the chassis modification area to indicate that mod 10 has been accomplished
- 6) Reassemble the unit according to the instructions in the Disassembly/Assembly Section of the Maintenance Manual.



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### 7) IDENTIFICATION PROCEDURE

Place a dot of red paint on the unit modification decal to indicate that mod 37 has been accomplished for the RT.

●NOTE: Identification was accomplished for the Chassis Final assembly (mod 10) in step 5 above.

- 8) Perform a complete functional test of the unit in accordance with the Testing and Troubleshooting section of the maintenance manual.

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](mailto:bernstein@telephonics.com)

### Field Modification Form Completion



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In order to provide documentation of this modification, please complete the field modification form shown below for each unit retrofitted. Copies of this page documenting the completion of these changes should be supplied to the Facility Manager at the site and to the Telephonics Configuration Manager.

**Note:**

Please return copies to Telephonics Corporation via mail, Fax or attached to an email.

Telephonics Corporation  
815 Broadhollow Road  
Farmingdale, NY 11735  
Att: Jeff Crane Configuration Manager  
Phone: (631-755-7545)  
Fax: (631-755-7755)  
Email: crane@telephonics.com

The Telephonics Configuration Manager will distribute internal copies to the Telephonics Product Assurance, Production Control and Program Management

Date \_\_\_\_\_ Unit Name \_\_\_\_\_ LRU P/N \_\_\_\_\_  
LRU S/N \_\_\_\_\_ MOD Status \_\_\_\_\_

### Modification Completion Certification:

_____	_____
<b>Signature</b>	<b>Date</b>
_____	
<b>Name</b>	
_____	
<b>Agency</b>	
_____	
<b>Telephone</b>	