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## SERVICE BULLETIN

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# Service Bulletin SB-T-05-1500B-0002

### RDR-1500B WEATHER RADAR SYSTEM

#### RT-1501A RECEIVER-TRANSMITTER

P/N 4001973-0104, -0151  
Unit Mod 33

Final Assy  
P/N 2040422-0503, -0504  
Subassy Mod 8

Regulator Module  
P/N 3606486-0501 thru -0503 Sub-assy Mod 6

Modulator Module  
P/N 3606478-0501, -0502 Sub-assy Mod 5

### ADDS NEW IMPROVED CAPACITOR

#### REASON FOR CHANGE:

- Higher than expected failure rates were addressed by incorporation of a new part that has higher voltage rating as well as a higher capacitance value.

#### *Planning*

#### EFFECTIVITY

This service bulletin is applicable to All RT-1501A Receiver Transmitters with serial numbers T2000 to T2073.



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### DESCRIPTION

On the Regulator Module, this service bulletin replaces the capacitor C1.

### COMPLIANCE

This modification should be incorporated in RT-1501A units in the event of failure of capacitor C1 of the Regulator Module.

### 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:

Part Number	Qty	Description
T5910-0050-001	1	Capacitor, Alum,330uF,63V, C1

Contact Telephonics by telephone at 1-631-755-7004 for current material pricing. Please reference this Service Bulletin, PCN-381-0311 and PCN-381-230B.

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

Inquiries must reference this Service Bulletin, PCN-381-0311 and PCN-381-230B.



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

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### REFERENCE

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

### 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.



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### **PART 3, ACCOMPLISHMENT INSTRUCTIONS**

- 1) Disassemble the RT-1501A according to maintenance manual procedures found in the Disassembly/Assembly section, to access the Regulator and Modulator Modules.
- 2) Remove Board 3606478-0501, Modulator Module.
- 3) Remove Board 3606486-0501, Regulator Module.
  - a) Remove and replace C1 with supplied capacitor (Alum, 330uF, 63V p/n T5910-0050-001)

### 3) IDENTIFICATION PROCEDURE

Place a dot of red paint on the unit modification decal to indicate that mod 33 has been accomplished for the RT.

Place a dot of red paint on the Chassis Final Assembly modification decal to indicate that mod 8 has been accomplished for the Chassis.

Place a dot of red paint on the Regulator board modification decal to indicate that mod 6 has been accomplished for the Regulator Module.

Place a dot of red paint on the Modulator board modification decal to indicate that mod 5 has been accomplished for the Modulator Module.

- 4) Reassemble the unit according to the instructions in the Dissassembly/Assembly Section of the Maintenance Manual.
- 5) 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)