







SERVICE BULLETIN
NAT Part No.: NTX066-000, NTX066-001



Published on
 10 February 2016
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Description: **Remote Mount FM Transceiver**
 Service Manual: **SM28** Service Bulletin #: **SM28\603-0021**
 ECN No.: **606-2248** Subject: **Transmit power problem. MOD 6**

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1. Planning Information

1.1 Applicability

This modification is applicable to all NTX066-000 and NTX066-001 s/n 1085 and below. All units above this serial number will contain this modification from the factory.

1.2 Reason

The high level output power can be inconsistent across the frequency range.

1.3 Description

This modification consists of changing the value of a capacitor in the TX lowpass filter circuit on the NTX066-2 Transmitter subassembly.

1.4 Compliance

Customer option. Northern Airborne Technology recommends this change be accomplished on all affected units.

1.5 Approval

No change to existing approval.

1.6 Costing

This modification incorporates a design improvement and does not constitute changes to correct a malfunction. The modification is therefore not subject to warranty consideration.

1.6.1 Parts and Labour

Four (4) hours estimated. Includes required test time. Please contact Product Support for current parts pricing.

1.7 Special Equipment Required

None.

1.8 Weight and Balance

No effect.

1.9 Electrical Load Data

No effect.

1.10 References

NTX Service Manual: SM28
Section 5, Maintenance. Section 6, Drawings.

1.11 Other Publications Affected

None. The next edition of the service manual will include the changes described in this bulletin.

2. Procedure Instructions

2.1 Modification Procedure

2.1.1 Refer to the NTX Service Manual, Section 5, for details regarding disassembly and reassembly.

2.1.2 On the NTX066-2 Transmitter Subassembly, remove surface mount capacitor C280 from the secondary side and replace with NAT p/n 11-13-360.

2.1.3 Clean and conformal coat all affected areas. Reassemble the control head.

2.2 Testing Procedure

2.2.1 Refer to the NTX Service Manual, Section 5 for the complete test procedures.

2.3 Identification Procedure

Locate the mod status tag on the product and apply a permanent marking on the 6 to indicate MOD 6 has been incorporated.

3. Material Information

The following parts are required to modify one NTX066-000 or NTX066-001 to MOD 6 status.

<u>IDENT</u>	<u>DESCRIPTION</u>	<u>MFR. P/N</u> <u>OR VALUE</u>	<u>PACKAGE</u>	<u>NAT P/N</u>	<u>QTY</u>
C280	SM, Ceramic, 500 V	36 pF	1210	11-13-360	1

4. Reference Documents

All documents required to complete the modification can be found in the applicable service manual.

End of Service Bulletin
