

## SERVICE BULLETIN

**BULLETIN NUMBER:** SB-0054  
**REVISION:** 1-0-0  
**DATE:** JUN 2011

**PRODUCT DESCRIPTION:** CAUTION:  
30W VHF Amplifier – Transistor Change from Max 4W Input Power to Max 6W

**DE REFERENCE / ECO:** CO 6645

**PRODUCTS AFFECTED:**

Model Number:
AMP-2/150-30-00
AMP-2/145-30-00
AMP-2/155-30-00
AMP-2/170-30-00

**PROBLEM:** The RF Transistor MRF646 used in the VHF 30W Power Amplifier is obsolete. A new transistor MRF1946 has been tested and provides acceptable performance in the 136–150 MHz, 150–162 MHz and 162–174 MHz bands.

Pre-CO amplifiers containing the obsolete MRF646 transistor require an RF Input Power of 2–4W. Amplifiers containing the new MRF1946 transistor require an RF Input Power of 2–6W. Concerns have been raised that users who have product with the obsolete transistor and also product with the new transistor may use a 6W input and blow the amplifiers requiring a 4W input.

**SOLUTION:** Look for the label on the front panel of the 30W VHF Power Amplifier. If the label reads “Do Not Exceed **6 Watts** Input Power” (see Figure 1), the amplifier contains the new transistor. The 6W model has unique alignment instructions and performance specifications. Refer to the manual, *IM71-001 VHF AMP-2 30W Power Amplifier Instruction Manual Version 2-0-0*, which was shipped with this model.

DO NOT EXCEED  
6 WATTS  
INPUT POWER

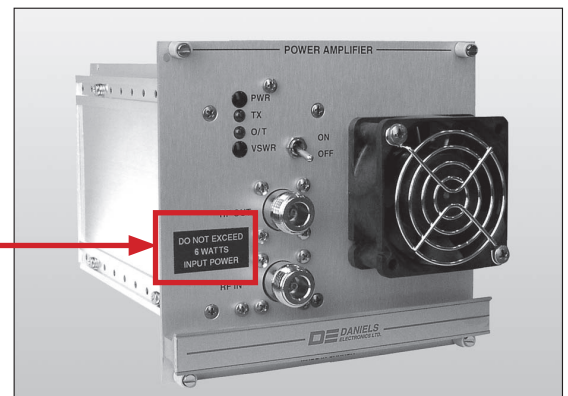


FIGURE 1

OVER

**SERVICE  
BULLETIN**

**SOLUTION: (Continued)**

If the label on the front of the amplifier reads “Do Not Exceed **4 Watts** Input Power”, please refer to the power amplifier manual that came with the amplifier or contact Daniels Electronics.

**RETURN REQUESTS:** To obtain an RMA number and shipping instructions, please contact the service department at 1-800-664-4066 or [service@danelec.com](mailto:service@danelec.com)

<b>REVISION HISTORY:</b>	<b>Rev</b>	<b>Date</b>	<b>Description</b>
	1-0-0	Jun 3, 2011	First Release