

SERVICE BULLETIN

VHF, UHF 30 WATT AMP POWER CONNECTOR FAILURE

BULLETIN NUMBER: SB-0006
REVISION: A
DATE: NOV 2003

PRODUCT DESCRIPTION: VHF, UHF 30 WATT AMPLIFIER

DE REFERENCE / ECO: ECO# 418

PRODUCTS EFFECTED:	Product Family	Part Number	Applies To
	UT-30	AMP-2/450	Units Shipped Prior to April 1995
	VT-30	AMP-2/150	Units Shipped Prior to April 1995

SYMPTOMS: Power Amplifiers operating with continuous or high duty cycles may be prone to failure.

CAUSE: Over time, corrosion may creep into the crimp terminal/pin interface, increasing the resistance of the connection and causing the connector to overheat. Although the connector and header are rated for 7 amps, if the connection corroded, its current capacity is reduced.

SOLUTION: The 8 pin housing and header in the Amplifier are replaced with a 7 pin housing and header, and an Amp Faston plug and connector.

PARTS REQUIRED: Kit #: A-PK-SB-0006-0
Contains:

Qty	UOM	Description	Part Number	Designators
1	EACH	HOUSING, .156, CRIMP TERM, 7CCT	5022-156HS07L	N/A
1	EACH	HEADER, .156, 7 Pin/Au, LOCKING	5022-156HD07L	N/A
10.5	CM	WIRE, PVC/Strand, 16AWG,RED	7110-16S26302	N/A
6.4	CM	WIRE, PVC/Strand, 16AWG,RED	7110-16S26302	N/A
1	EACH	RECPT.,TAB/.250",16-14,INSUL	5065-250R16A4	N/A
1	EACH	TAB,.250",16-14AWG,INSULATED	5065-250T16A4	N/A
7	EACH	TERMINAL,TRIFURC./FEM.,CRIMP	5022-156CTFT0	N/A

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PROCEDURE:

Follow the instructions listed below and reference drawings and photographs in Additional Information on page 3 and 4.

UT-30 Model

- 1) Replace the 8 pin housing (5022-156HS08L) with a 7 pin housing (5022-156HS07L).
- 2) Replace the 8 pin header (5022-156HD08L) on the sensor board with the 7 pin header (5022-156HD08L).
- 3) Replace Red wire for 13.8V power (between Sensor and power Switch) with two pieces of wire (7110-16S26302). Lengths of new wires are 10.5cm and 6.4cm. Crimp the AMP Faston Receptacle (5065-250R16A4) and the AMP Faston Tab (5065-250T16A4) to each piece of the 16AWG Red Wire.
- 4) The 16AWG wire can be soldered directly into the Sensor PCB header hole.

VT-30 Model

- 1) Replace the 8 pin housing (5022-156HS08L) with a 7 pin housing (5022-156HS07L).
- 2) Replace the 8 pin header (5022-156HD08L) on the sensor board with the 7 pin header (5022-156HD08L).
- 3) Replace Red wire for 13.8V power (between Sensor and power Switch) with two pieces of wire (7110-16S26302). Lengths of new wires are 10.5cm and 6.4cm. Crimp the AMP Faston Receptacle (5065-250R16A4) and the AMP Faston Tab (5065-250T16A4) to each piece of the 16AWG Red Wire.
- 4) The 16AWG will not fit into the original Sensor PCB header hole. The wire can be soldered directly to the Fuse Clip beside the header hole.

RETURN REQUESTS:

To have affected product returned to Daniels Electronics for servicing (or replacement, etc...), please contact the service department to obtain and RMA number and return shipping instructions at 1-800-664-4066

REVISION HISTORY:

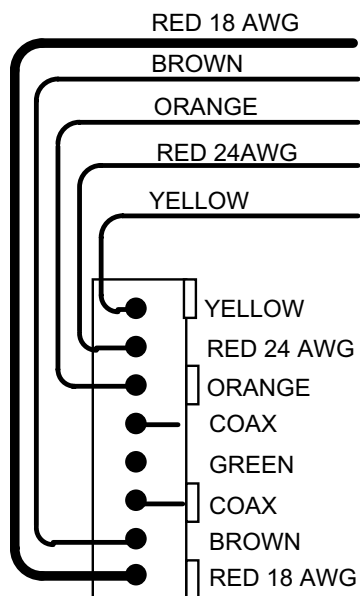
Rev	Date	Description
A	11/20/03	First Release

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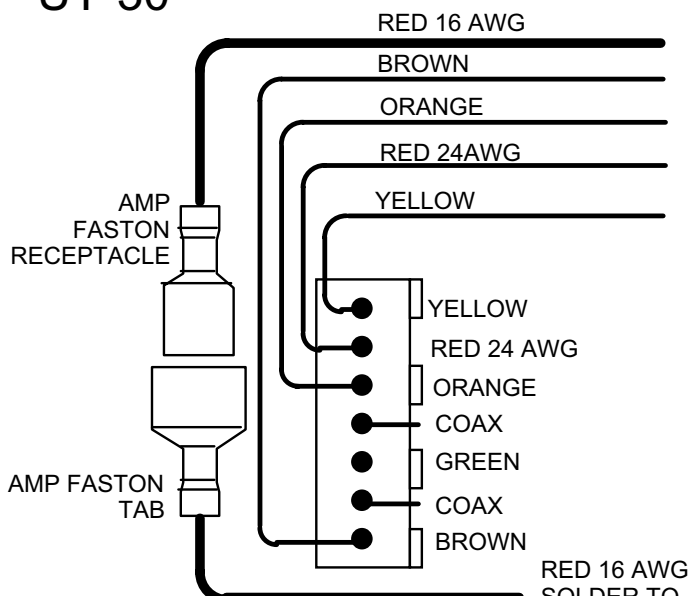
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ADDITIONAL INFORMATION

UT-30

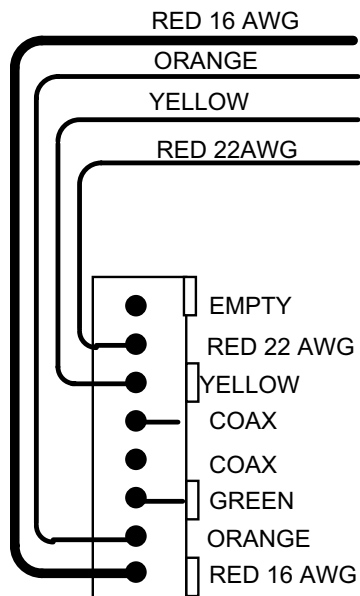


BOTTOM VIEW OF MOLEX CONNECTOR

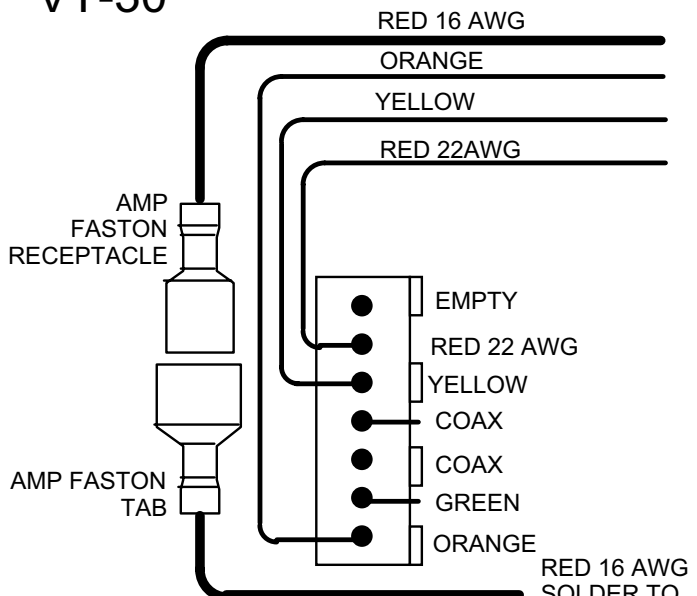


BOTTOM VIEW OF MOLEX CONNECTOR

VT-30



BOTTOM VIEW OF MOLEX CONNECTOR



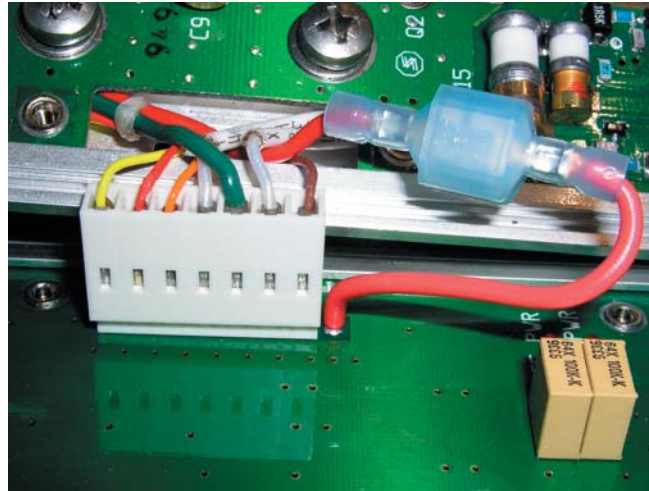
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ADDITIONAL INFORMATION

UT-30
SOLDERING POSITION



VT-30
SOLDERING POSITION

