

Technical Bulletin

Bulletin No. 030 Rev B
Subject: Field Radio Communication Failure Checklist for Maxon Radios

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Product Applicability: Dx2 Controllers

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Controller with Maxon Radio

DX2 Controllers Only

- 1) Is Submaster power on? _____.
- 2) Re-enter Submaster address and radio communication mode. The keys to press are shown below for Evolution and Evolution DX2 Controllers.
 - A)

QUIT

 = Pressing QUIT key will ensure you are starting at the base screen.
 - B)

F1

 = Main Menu
 - C)

F5

 = Set Up
 - D)

F4

 = Controller
 - E)

F4

 = Configuration
 - F)

F2

 = Acts As Submaster
 - G) You must now select the appropriate "Submaster Communication Type" for your Satellite,

F1

 = Radio/Wire,

F2

 = Phone,

F3

 = Trunk. _____.
 - H) You must now enter the appropriate "Address" for your Satellite. Enter an address in the range of (0-255) and then press

ENTER

. The base screen will be displayed. _____.
- 3) Verify ALL component connections.
 - A) Antenna to radio, items (1- 2) on attached drawing DXRAD25A (figure 1 of

this document). _____.

- B) 12 Volt DC transformer (EV-PS), items (3- 4) of drawing DXRAD25A (figure 1 of this document). _____.

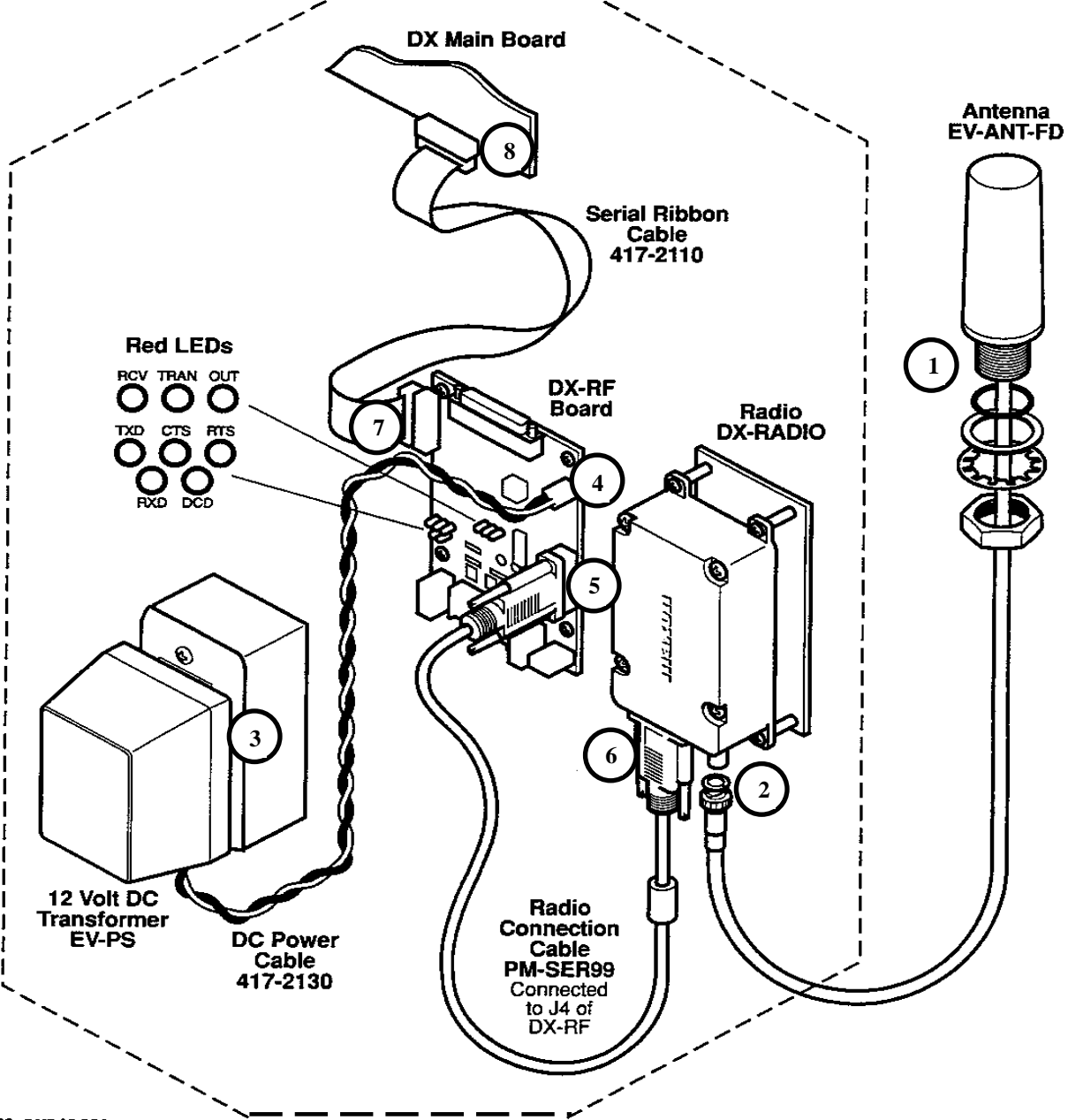
Do you measure +12VDC at the COMM Board J2 connector, Item #4 of drawing DXRAD25B (figure 1 of this document)? _____.

- C) Radio connections, items (5- 8) of drawing DXRAD25A (figure 1 of this document). _____.

- 4) Monitor DX-RF Board LED activity indicators per Figure 2 of this document.

- From the Rain Master Central PC, “Blue Panel operation”, select the Satellite you wish to test.
- Press the “down arrow” key.
- Does the Controller Base Screen appear? _____.
Does an Error Code message appear? _____.
- Repeat several times. Does it consistently communicate? _____.
Does it consistently fail? _____. Make note of the Error Code Message.
- IF YOU ARE STILL UNABLE TO COMMUNICATION WITH THE SATELLITE, STOP. PLEASE CONTACT RAIN MASTER TECHNICAL SUPPORT AT (800) 777-1477.

Evolution DX2 Radio Installation Inside Controller

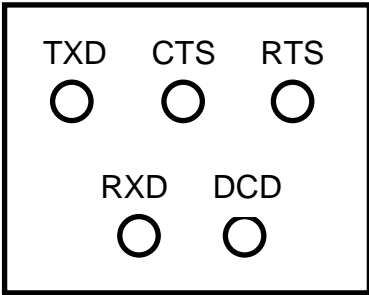


DWG DXRAD25A

Figure 1

PCDX2-RFMODEM
 Communications Board for
 Maxon Radios

LED CONDITIONS



NO LED activity when communications ARE NOT in process, regardless if Radio and/or EV-PS is connected or not.

LED activity when communications ARE in process: (All LED's are RED only)

DCD	off	ON	ON	off	off	off	off	ON	off
RXD	off	off	ON	off	off	off	off	off	off
RTS	off	off	off	off	ON	ON	ON	off	off
CTS	off	off	off	off	off	ON	ON	off	off
TXD	off	off	off	off	off	off	ON	off	off

← Approximately 3 seconds →

Figure 2

END OF BULLETIN