Customer Service Bulletin SD800006
Cable Issues in SE125 IP66 Transmitters

Continual Improvement is a cornerstone of the Southern Avionics Company Quality Management System. We issue Customer Service Bulletins to inform our valued customers of product upgrades and/or helpful technical information that may enhance the reliability of your equipment.

We have recently identified potential cable issues that could affect proper operation of the SE125 transmitters. Due to high failure rates, we have invested in more reliable cables for all SE series transmitters.

Application: This bulletin applies to **SE125 IP66 Transmitters SLF33300/01 or SLF33400/01/02**. This applies to SE transmitters shipped prior to February 15, 2013.

Identifying Transmitters affected by this bulletin:
Locate the serial tag on your transmitter enclosure. The prefix "SLF" plus the first five (5) characters of your serial number indicate the SAC Transmitter Part Number as detailed below. The specific transmitters affected are referenced by the last four (4) characters in your serial number.

For example: A Serial Number of 33300XX0L0024 represents a SAC Transmitter part number of SLF33300, and the last four characters of the Serial Number, 0024, represent the 24th system produced.

For SAC Part Numbers SLF33300 or SLF33301 (SE125 IP66 Single):
1. x1-9C012042, CABLE ASSEMBLY; MONITOR, DB9 MALE/MALE, 6 FT GRAY
2. x3-9C012047, CABLE ASSEMBLY; COAX RG58, BNC MALE/MALE, 1FT, BLACK
3. x1-9C012050, CABLE ASSEMBLY; COAX RG58, TYPE N MALE/MALE, 7FT, BLACK

For the Transmitters listed above this bulletin applies to:
SLF 33300 with serial number last four characters lower than 0037
SLF 33301 with serial number last four characters lower than 0007.

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For SAC Part Numbers SLF33400, SLF33401 or SLF33402 (SE125 IP66 Dual):
1. x2-9C012042, CABLE ASSEMBLY; MONITOR, DB9 MALE/MALE, 6 FT GRAY
2. x1-9C012043, CABLE ASSEMBLY; COAX RG58, BNC MALE/MALE, 6FT, BLACK
3. x6-9C012047, CABLE ASSEMBLY; COAX RG58, BNC MALE/MALE, 1FT, BLACK
4. x1-9C012050, CABLE ASSEMBLY; COAX RG58, TYPE N MALE/MALE, 7FT, BLACK

For the Transmitters listed above this bulletin applies to:
SLF 33400 with serial number last four characters lower than 0181
SLF 33401 with serial number last four characters lower than 0002
SLF 33402 with serial number last four characters lower than 0008.

Tools needed:
Phillips Head Screwdriver #2
Diagonal wire cutter
Time required:
0.25 Manhour
Equipment needed:
x10 - 4 inch Cable Ties
Equipment cables as listed above

Please note Examples #1 – 4 below.

Please contact our Quality department at quality@southernavionics.com with information about your transmitter type, model number, and desired shipping address, and Southern Avionics will furnish replacement cables for your units.

Thank you for choosing Southern Avionics Company for your NDB needs. We appreciate your business.

This Customer Service Bulletin and others may be found at http://www.southernavionics.com/customer-service-bulletins/.

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Example #1 - 9C012042 cable, SE125 IP66 Single and Dual Transmitters:

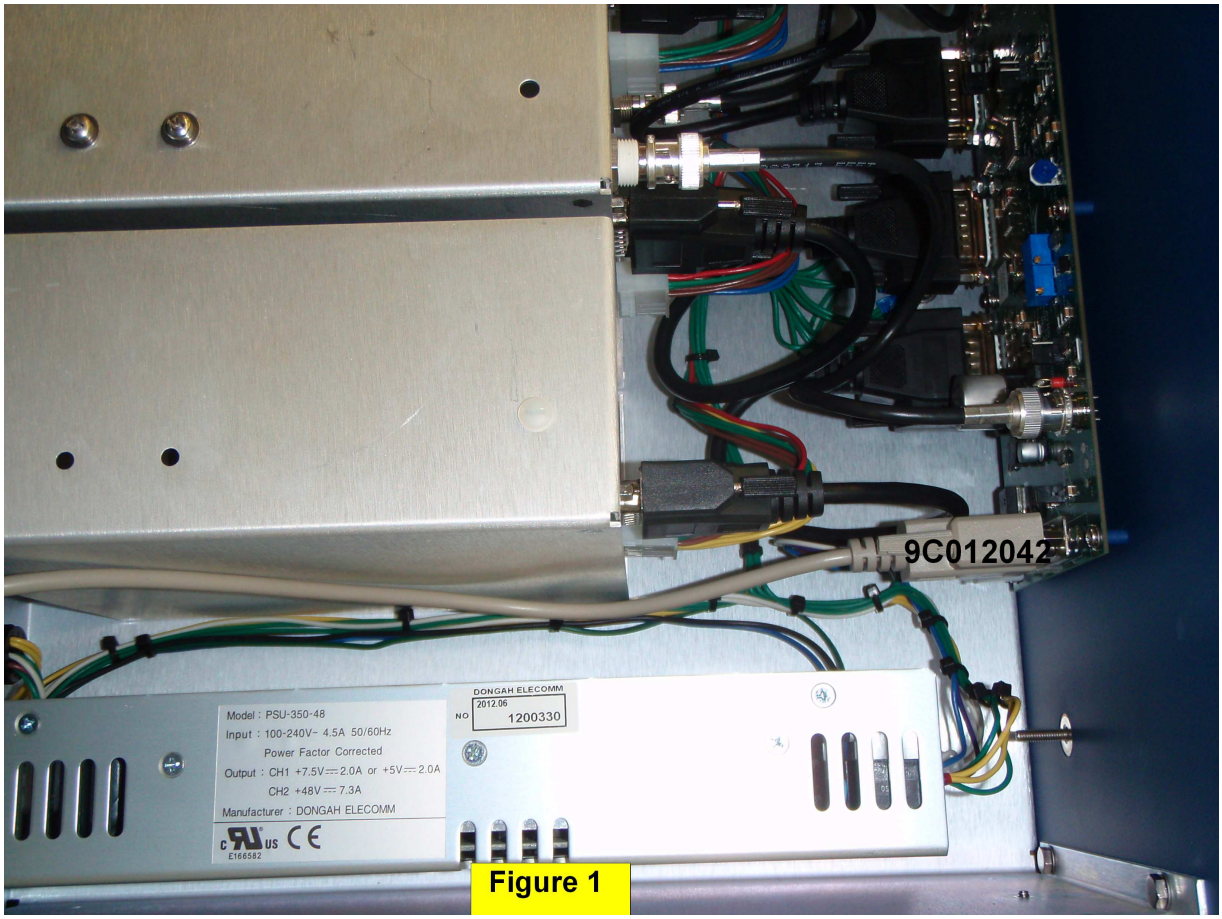

Figure 1

- Remove cable ties and disconnect the 9C012042 cable from the SLP45500 Transmitter Control PCB per Figure 1.
- Continue to Figure 2.

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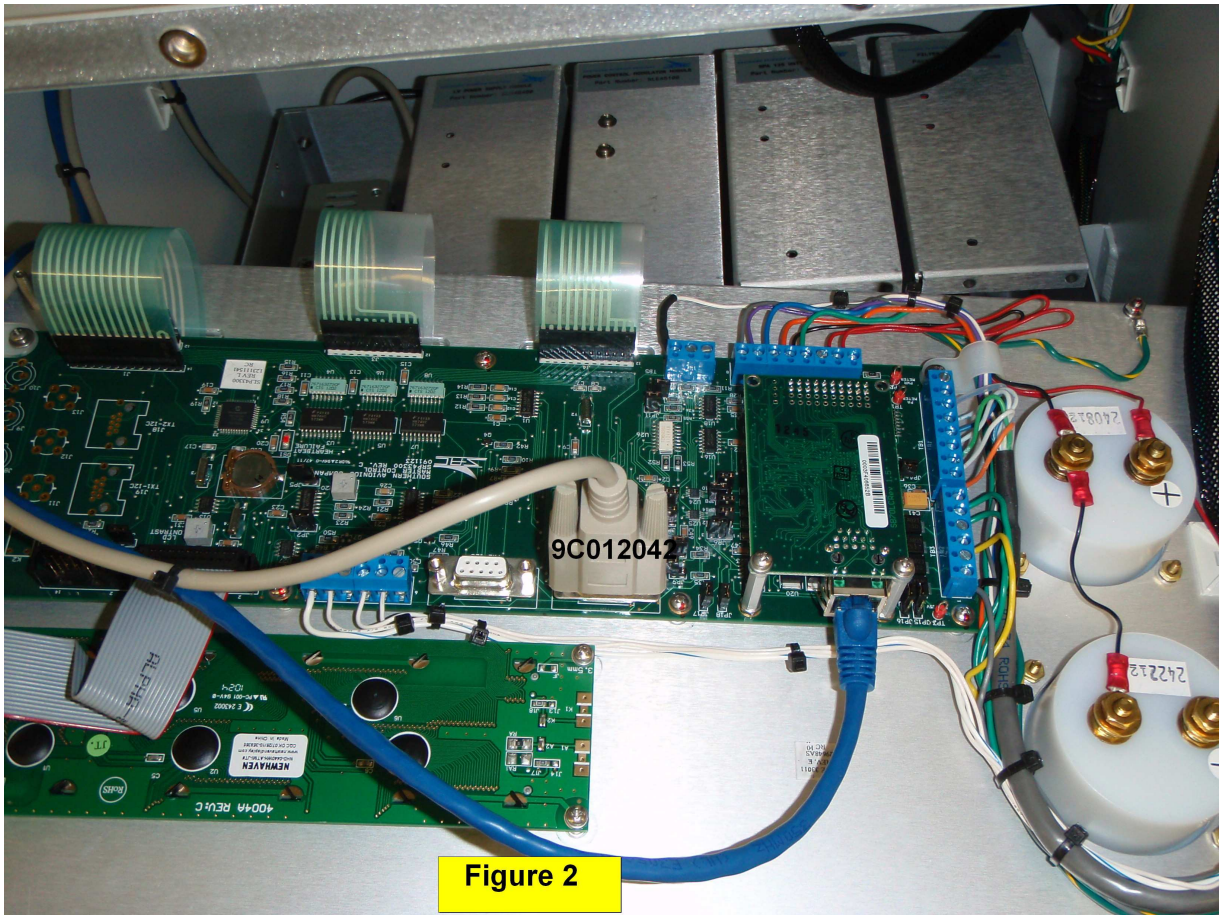

Figure 2

- Disconnect the other end of the 9C012042 cable from the SLP43300 Master Control PCB per Figure 2.
- Install replacement cable 9C012061 between the SLP43300 Master Control PCB and the SLP45500 Transmitter Control PCB and secure with new cable ties.
- Repeat for second transmitter drawer in SE125 IP66 Dual Transmitters.

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Example #2 - 9C012047 cable, SE125 IP66 Single and Dual Transmitters:

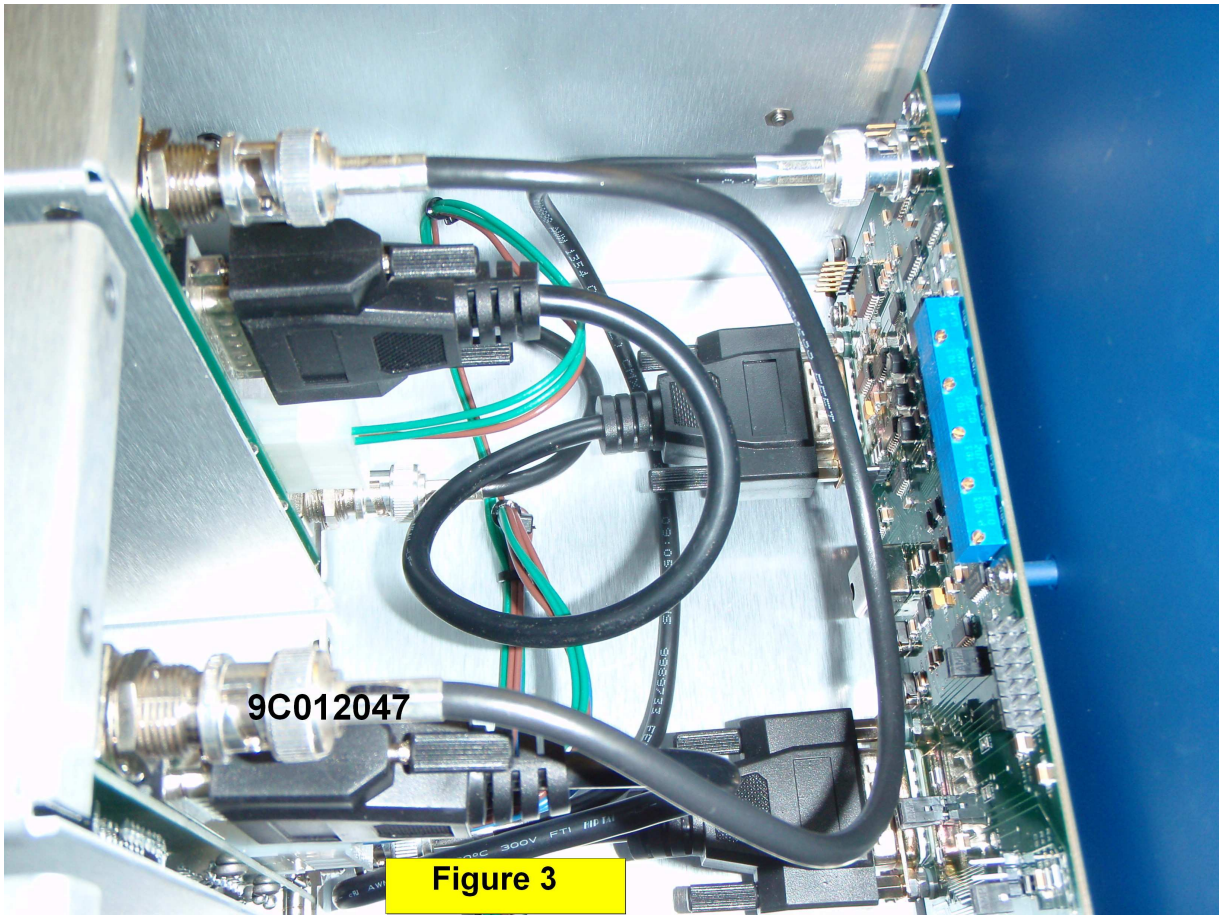

Figure 3

- Remove the 9C012047 cable between the SLE45000 SPA Module and the SLE45200 Filter Bridge Module per Figure 3.
- Repeat for second transmitter drawer in SE125 IP66 Dual Transmitters.

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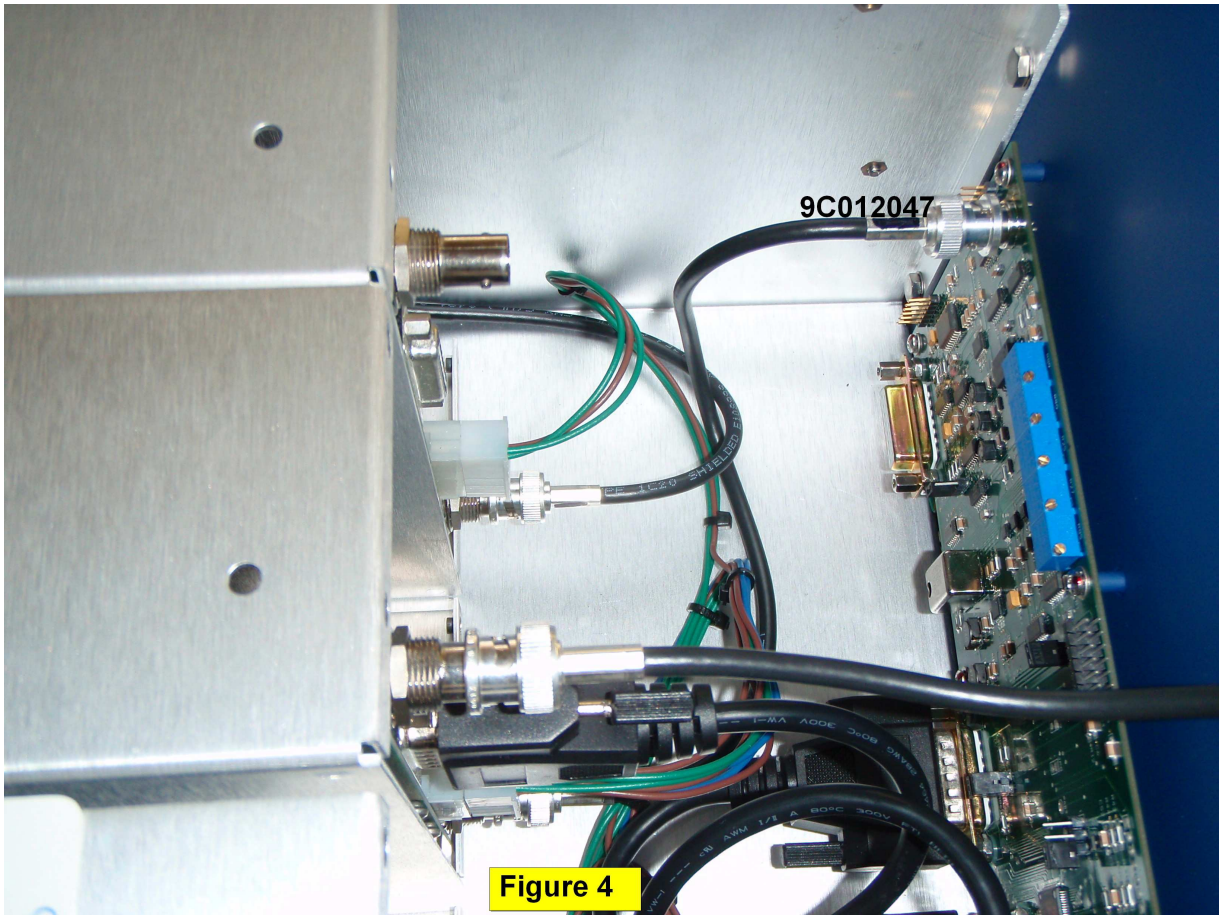

Figure 4

- Remove the 9C012047 cable between the SLE45000 SPA Module and the SLP45500 Transmitter Control PCB per Figure 4.
- Repeat for second transmitter drawer in SE125 IP66 Dual Transmitters.

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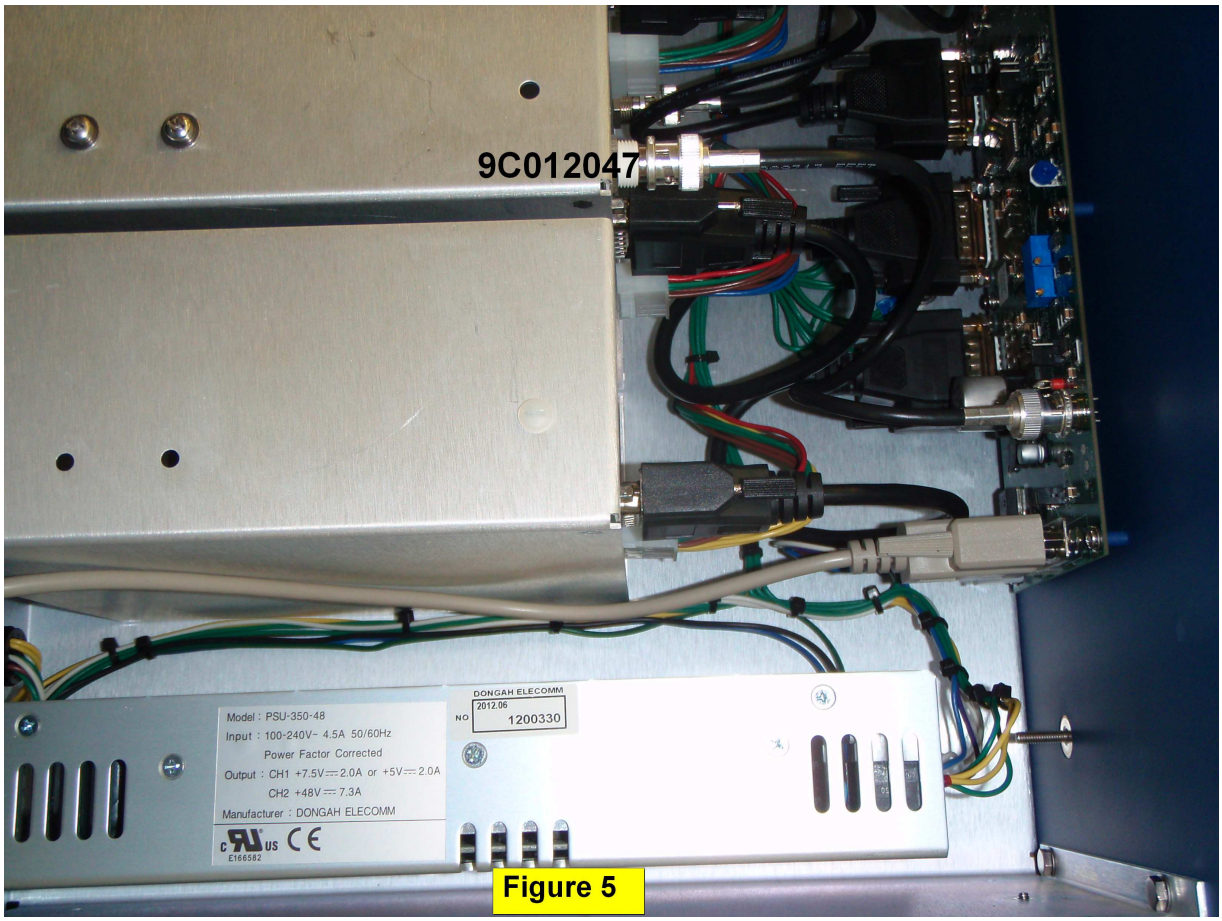

Figure 5

- Remove the 9C012047 cable between the SLE45100 Power Control Modulator Module and the SLP45500 Transmitter Control PCB per figure 5.
- Install replacement cable 9C012065 between the assemblies.
- Repeat for second transmitter drawer in SE125 IP66 Dual Transmitters.

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Example #3 - 9C012043 cable, SE125 IP66 Dual Transmitters:

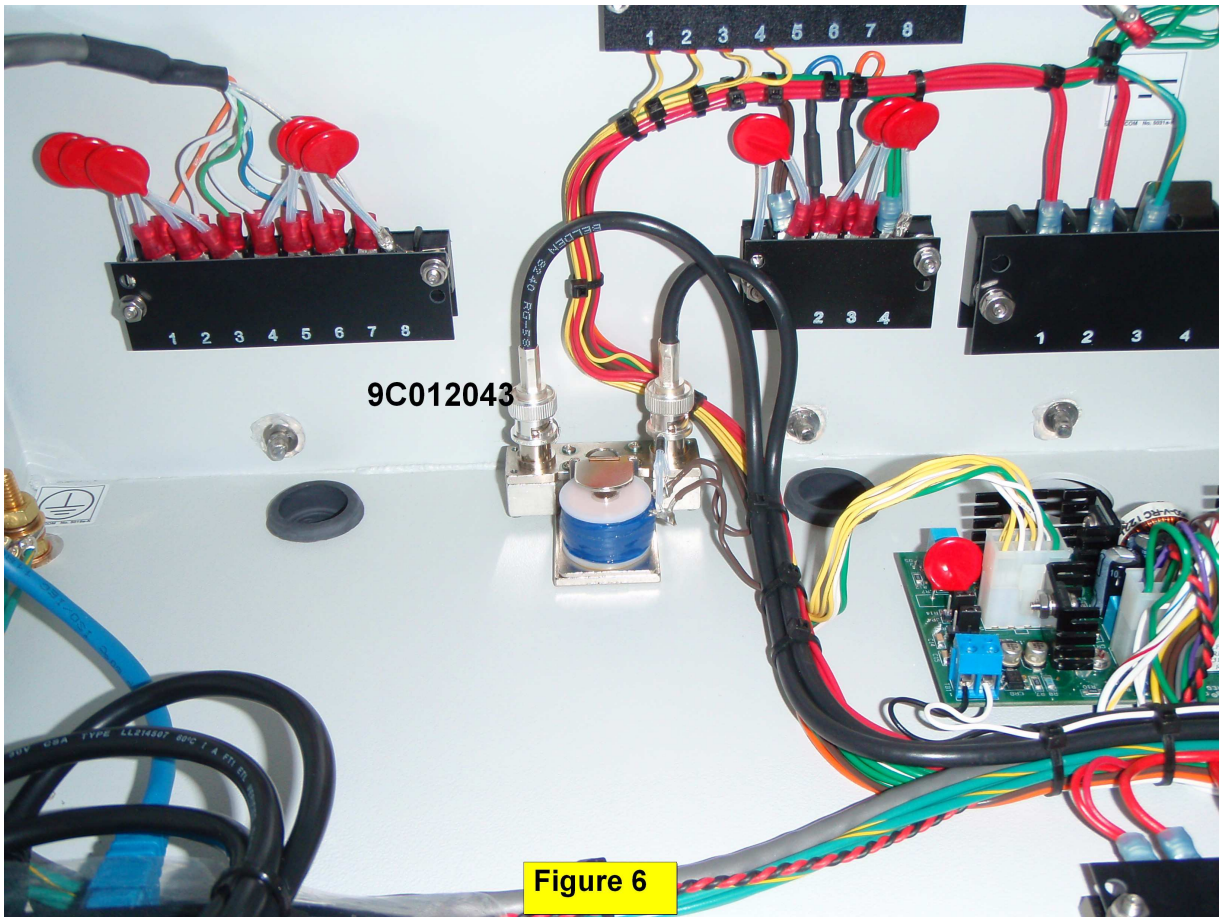

Figure 6

- Remove cable ties and disconnect the 9C012043 cable from coil K3, position 1 (left-hand cable) per Figure 6.
- Disconnect the other end of the 9C012043 cable from the SLE45200 Filter Bridge Module in Transmitter drawer 2 (4A1) for dual systems only.
- Install replacement cable 9C012064 between the SLE45200 Filter Bridge Module and coil K3, position 1, and secure with cable ties provided.

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Example #4 - 9C012050 cable, SE125 IP66 Single and Dual Transmitters:

Figure 7

- Disconnect the 9C012050 cable from the Transmitter enclosure bottom.
- Disconnect the other end of the 9C012050 cable from the Antenna Tuning Unit.
- Replace with 9C012066 cable.
- Dispose of cables per local standards.

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