



Customer Service Bulletin SD800007 Cable Issues in SE500 Rack Mount 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 SE 500 transmitters. Due to high failure rates, we have invested in more reliable cables for all SE series transmitters.

Application: This bulletin applies to **SE500 Rack Mount Transmitter SLF34002**. 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 34002XX0L0024 represents a SAC Transmitter part number of SLF34002, and the last four characters of the Serial Number, 0024, represent the 24th system produced.

For SLF34002(SE500 Rack Mount Dual):

1. x2-9C012042, CABLE ASSEMBLY; MONITOR, DB9 MALE/MALE, 6 FT GRAY
2. x4-9C012047, CABLE ASSEMBLY; COAX RG58, BNC MALE/MALE, 1FT, BLACK

For the Transmitter listed above this bulletin applies to:

SLF 34002 with serial number last four characters lower than 0010.

SOUTHERN AVIONICS COMPANY

MANUFACTURERS OF LOW FREQUENCY RADIOBEACONS AND ASSOCIATED PRODUCTS



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

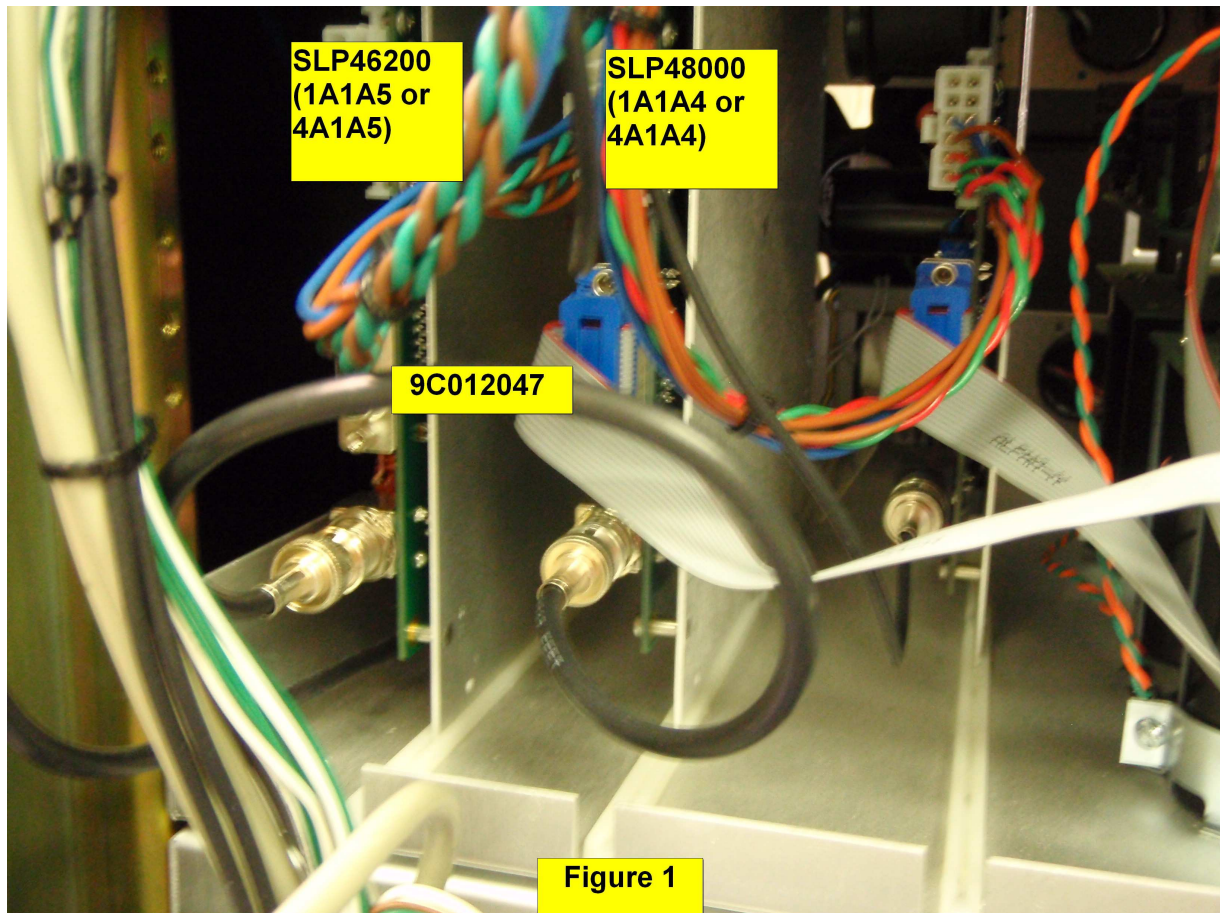
Please note Examples #1 – 2 below.

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.

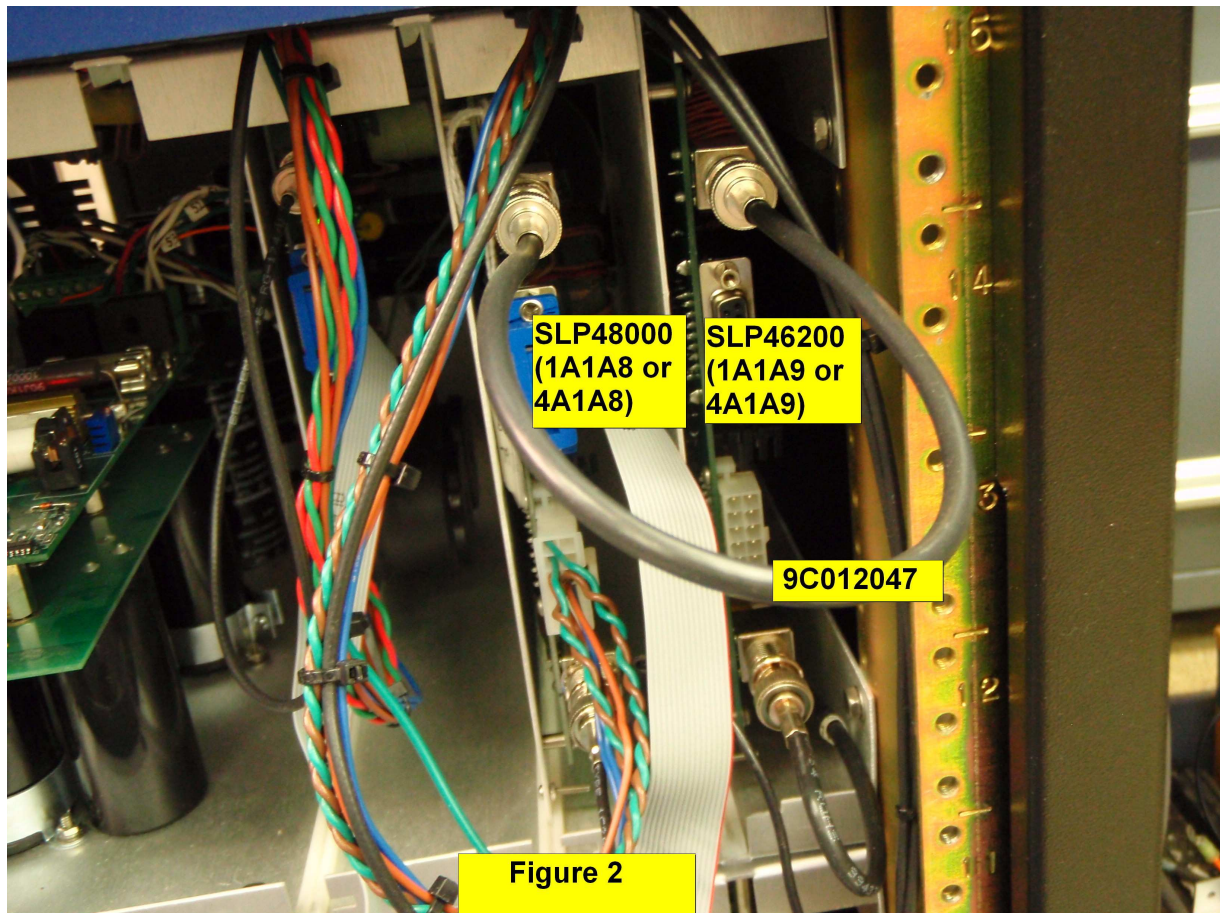
Thank you for choosing Southern Avionics Company for your NDB needs. We appreciate your business.

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

Example #1 - 9C012047 Cable Replacement, SLF34002 (SE500 Rack Mount Dual Transmitters):

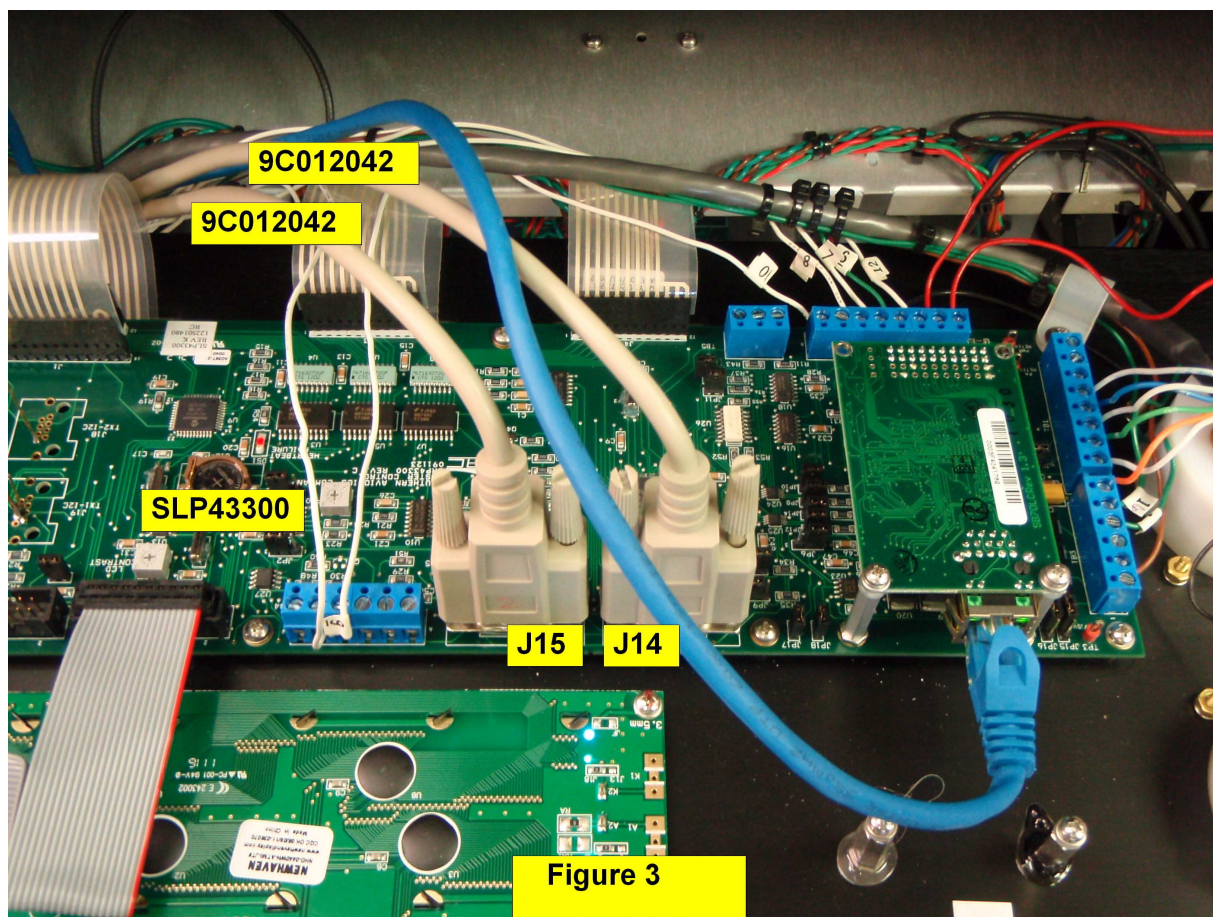


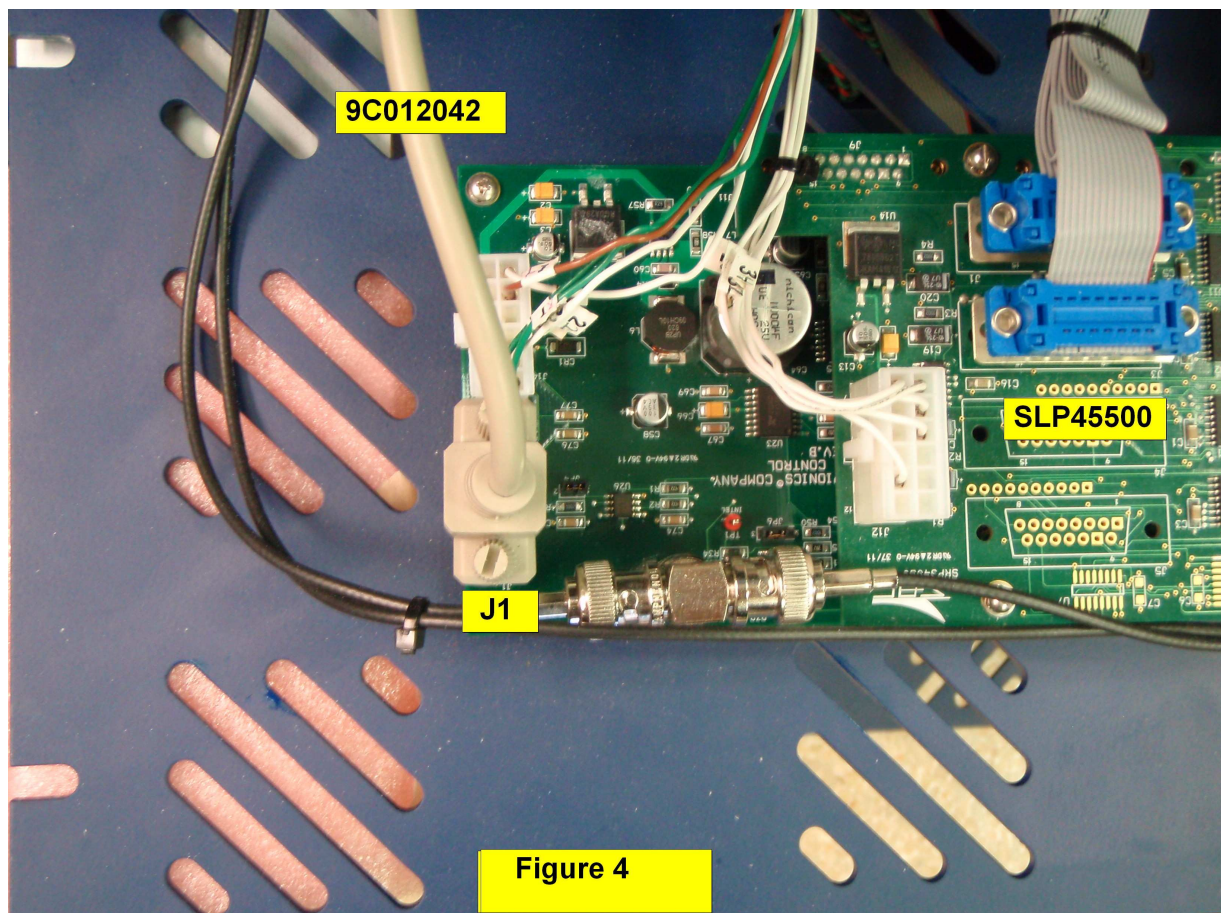
- Disconnect the 9C012047 cable from J1 on the SLE46200 Filter Bridge Module 1A1A5, located on the left-hand side of the upper transmitter unit per Figure 1.
- Disconnect the other end of the 9C012047 cable from J2 the SLE48000 SPA Module 1A1A4, located on the left-hand side of the upper transmitter unit per Figure 1.
- Repeat the above steps on the SLE46200 Filter Bridge Module 4A1A5 and SLE48000 SPA Module 4A1A4 located on the left-hand side of the lower transmitter unit per Figure 1.
- Install replacement cables 9C012065 in place of the two (2) cables removed.



- Disconnect the 9C012047 cable from J1 on the SLE46200 Filter Bridge Module 1A1A9, located on the right-hand side of the upper transmitter unit per Figure 2.
- Disconnect the other end of the 9C012047 cable from J2 the SLE48000 SPA Module 1A1A8, located on the right-hand side of the upper transmitter unit per Figure 2.
- Repeat the above steps on the SLE46200 Filter Bridge Module 4A1A9 and SLE48000 SPA Module 4A1A8, located on the right-hand side of the lower transmitter unit per Figure 2.
- Install replacement cables 9C012065 in place of the two (2) cables removed.

Example #2 - 9C012042 Cable Replacement, SLF34002(SE500 Rack Mount Dual Transmitters):





- Disconnect the 9C012042 cable from J14 on the SLP43300 Master Control PCB (5A1A1) per Figure 3.
- Disconnect the other end of the 9C012042 cable from J1 on the SLP45500 Transmitter Control PCB in transmitter #1 (1A1A1) per Figure 4.
- Install replacement cable 9C012061 in place of the cable removed using tie wraps provided.
- Disconnect the 9C012042 cable from J15 on the SLP43300 Master Control PCB (5A1A1) per Figure 3.
- Disconnect the other end of the 9C012042 cable from J1 on the SLP45500 Transmitter Control PCB in transmitter #2 (4A1A1) per Figure 4.
- Install replacement cable 9C012061 in place of the cable removed using tie wraps provided.
- Dispose of cables per local standards.