



## **Customer Service Bulletin SD800008 Cable Issues in SE125W/250W 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 SE125 and SE250 Rack Mount transmitters. Due to high failure rates, we have invested in more reliable cables for all SE series transmitters.

**Application:** This bulletin applies to **SE125 and SE250 Transmitters SLF3310 and SLF33030**. 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 33010XX0L0024 represents a SAC Transmitter part number of SLF33010, and the last four characters of the Serial Number, 0024, represent the 24<sup>th</sup> system produced.

For SLF33010 (SE125 Rack Mount Dual) or SLF33030 (SE250 Rack Mount Dual) :

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

For the Transmitters listed above this bulletin applies to:

- SLF 33010 with serial number last four characters lower than 0004.
- SLF 33030 with serial number last four characters lower than 0003.

**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

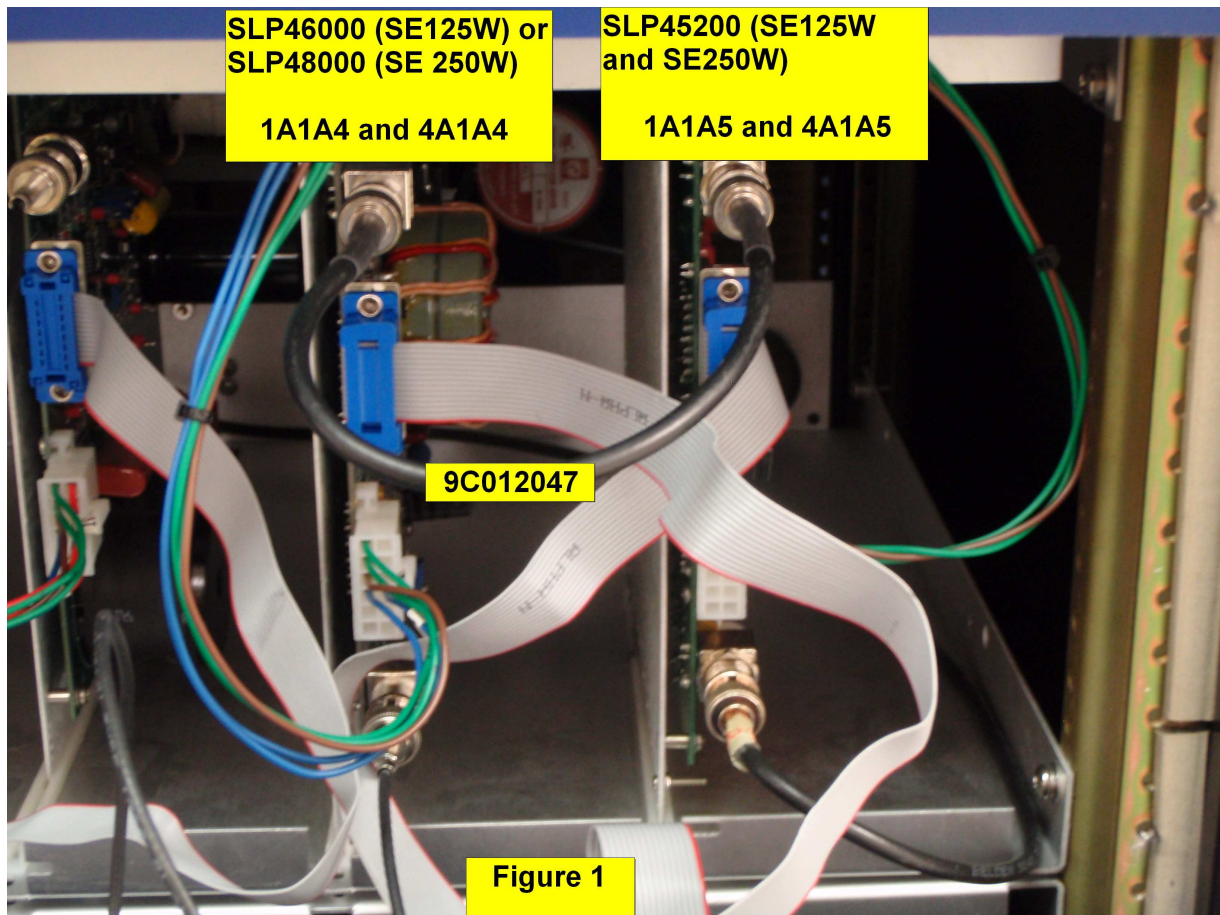
Please note Examples #1 – 2 below.

Please contact our Quality department at [quality@southernavionics.com](mailto: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, SE 125W/250W Rack Mount Dual Transmitters):

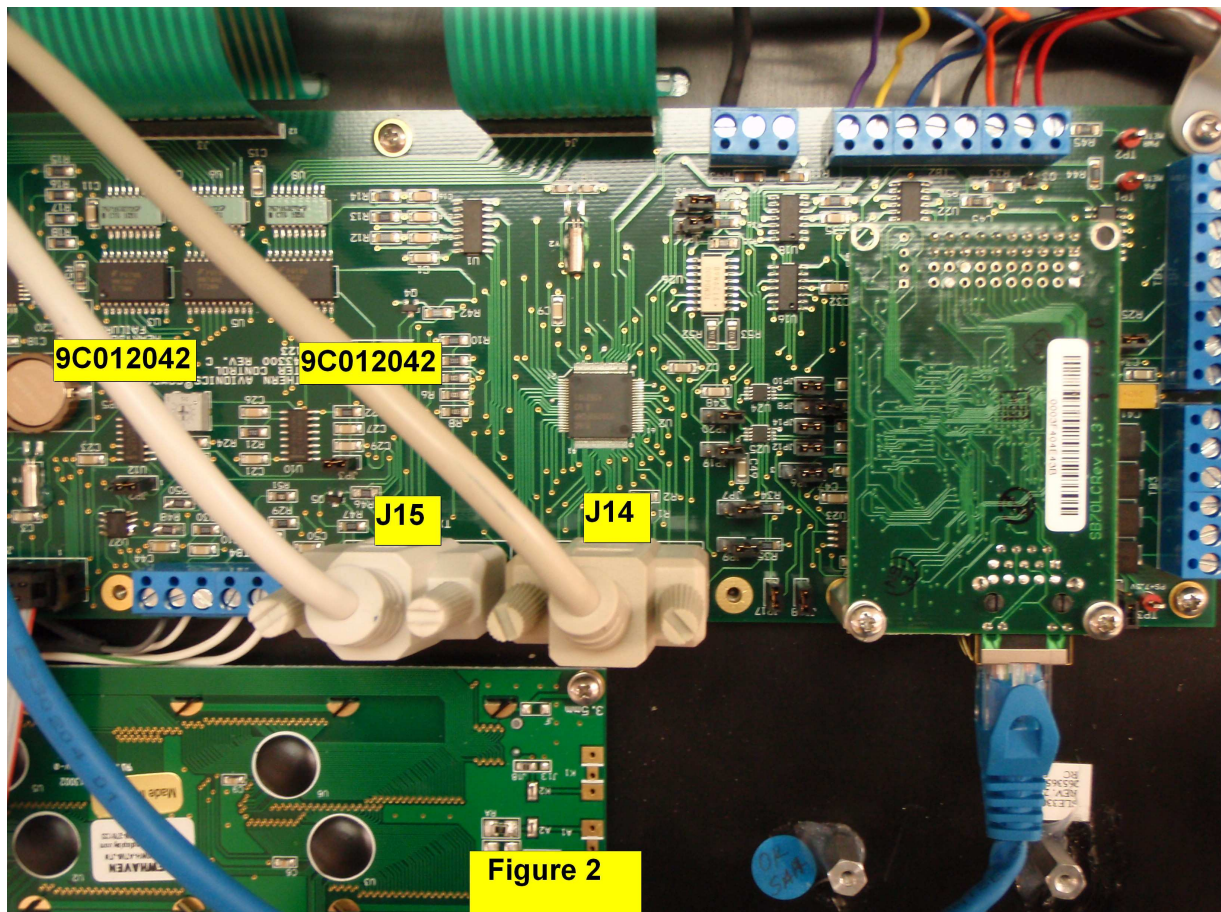


9C012047 Cable Replacement:

- Disconnect the 9C012047 cable from J2 on the SPA PCB (SLP46000 in the SE125W transmitter, or SLP48000 in the SE250W transmitter). Do this at 1A1A4 on Transmitter #1 and 4A1A4 on Transmitter #2.
- Disconnect the other end of the 9C012047 cable from J1 on the SLP45200 Filter Bridge PCB in both transmitter units, 1A1A5 on Transmitter #1 and 4A1A5 on Transmitter #2.
- Install replacement cables 9C012065 in place of both cables removed.

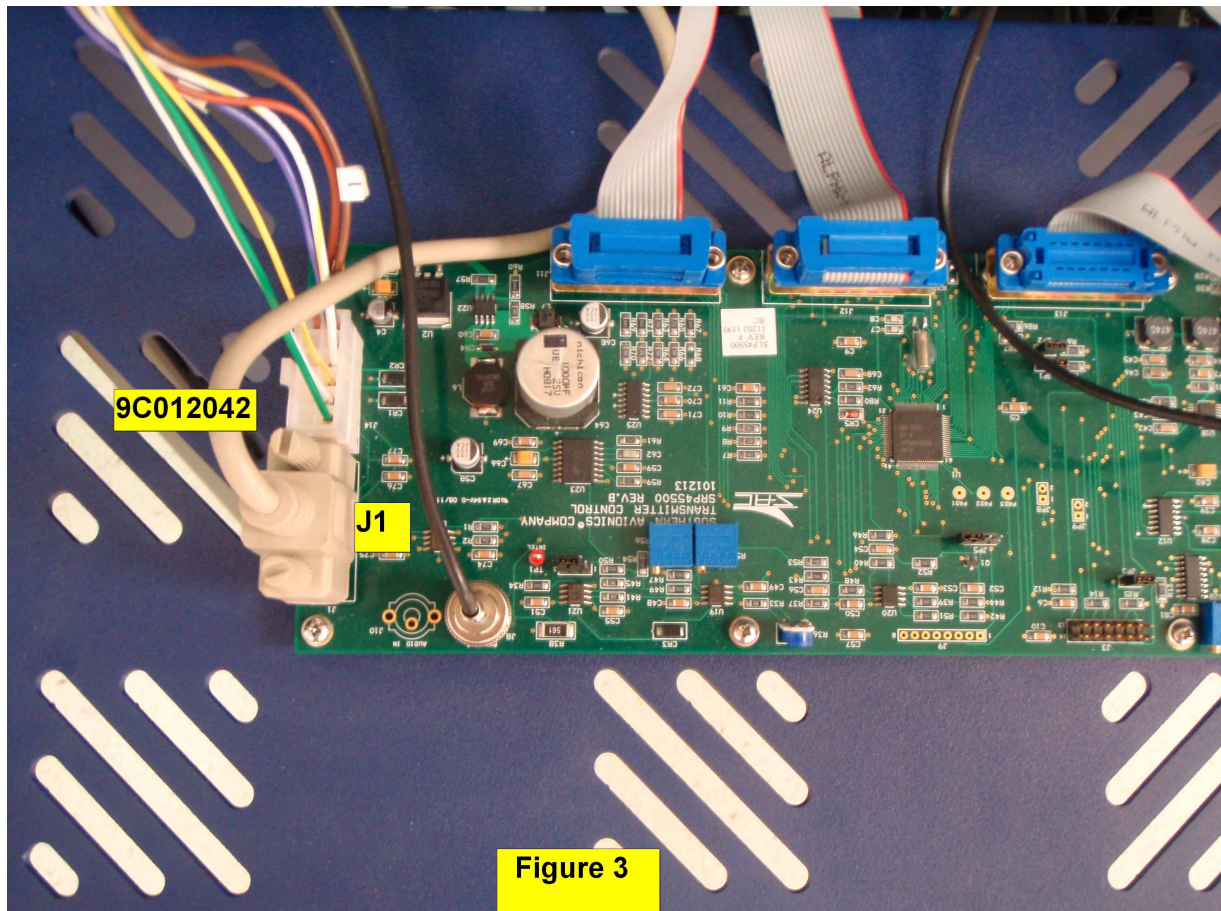


Example #2 - 9C012042 Cable Replacement, SE 125W/250W Rack Mount Dual Transmitters):



9C012042 Cable Replacement:

- Disconnect the 9C012042 cable from J14 on the SLP43300 Master Control PCB 5A1A1 per Figure 2.
- Disconnect the 9C012042 cable from J15 on the SLP43300 Master Control PCB 5A1A1 per Figure 2.



- Disconnect the 9C012042 cable from J1 on the SLP4550 Transmitter Control PCB on Transmitter #1 (1A1A1) per Figure 3.
- Disconnect the 9C012042 cable from J1 on the SLP4550 Transmitter Control PCB on Transmitter #2 (4A1A1) per Figure 3.
- Install replacement cable 9C012061 in place of the cable removed at J14 and J1.
- Install replacement cable 9C012061 in place of the cable removed at J15 and J1.
- Secure cables in place with tie wraps provide.
- Dispose of cables per local standards.