

Connecting Leads to Boston Scientific ICDs and CRT-Ds with White Seal Plugs

SUMMARY

Boston Scientific has incorporated a new setscrew mechanism, an orange torque wrench, and white-colored silicone seal plugs for certain ICD and CRT-D families.

This article provides steps to ensure a successful lead connection for ICDs and CRT-Ds with white seal plugs.

ICD: Implantable Cardioverter Defibrillator

CRT-D: Cardiac Resynchronization Therapy Defibrillator

CRM PRODUCTS REFERENCED*
CONFIENT™, LIVIAN™,
COGNIS™, and TELIGEN™

*Products referenced herein may not be approved in all geographies. For comprehensive information on device operation, reference the appropriate product labeling.

CRM CONTACT INFORMATION

Technical Services – U.S.
1.800.CARDIAC (227.3422)
Tech.Services@bsci.com

Technical Services – Europe
+32 2 416 7222
eurtechservice@bsci.com

LATITUDE Clinician Support
1.800.CARDIAC (227.3422)
latitude@bsci.com

Patient Services
1.866.484.3268 – U.S. and Canada
001.651.582.4000 – International

Steps to Ensure Lead Connection Success

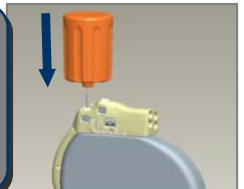
Step 1. Look down the lead ports to visually verify that the setscrews are sufficiently retracted to allow insertion.

Verify that setscrews are not visible in lead ports.



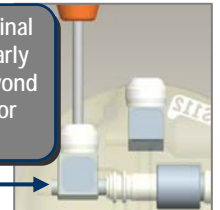
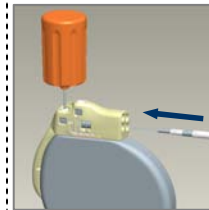
Step 2. Gently insert the torque wrench through the visible pre-slit center depression of the seal plug. This will open up the seal plug, providing a pathway to release fluid or air trapped within the lead port as the lead is inserted.

Inserting the torque wrench *before* the lead allows pressure to equalize during lead insertion.

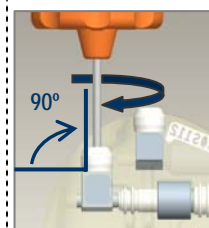


Step 3. Insert the lead and verify that the lead terminal pin is clearly visible beyond the connector block.

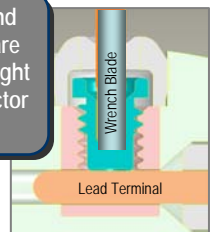
Lead terminal pin is clearly visible beyond connector block.



Step 4. Ensure the torque wrench is seated perpendicular (90°) to the connector block. While maintaining pressure on the lead, tighten the setscrew by *slowly* rotating the torque wrench clockwise until it ratchets once, keeping the torque wrench perpendicular to the connector block while tightening.



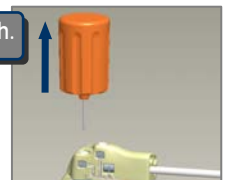
Wrench and setscrew are seated straight into connector block.



NOTE: It is unnecessary to apply additional downward force to the torque wrench while tightening the setscrew.

Step 5. Remove the torque wrench by pulling it straight out of the connector block.

Remove wrench.



Step 6. Verify lead connection by applying gentle traction to *each individual lead terminal*. Do not pull on the yoke or more than one lead terminal at a time. If a lead terminal is not secure, reinsert the torque wrench, loosen the setscrew by rotating the wrench counterclockwise, and repeat Steps 3-6.

Apply gentle traction to each individual lead terminal.

