

## Secure the RV Lead First When Connecting Leads to the Header of a CRT Device

### BACKGROUND INFORMATION

It is important to follow a specific order when connecting lead terminals to the header of a cardiac resynchronization therapy (CRT) device. Upon programming a CRT device out of SHIP or STORAGE mode (for CRT-Ps and CRT-Ds respectively), the RV port immediately begins sensing. To prevent detection of environmental noise, the RV port should be filled as quickly as possible with the terminal end of a positioned RV lead. This establishes timing cycles that result in appropriate sensing and pacing in the left ventricle (LV), right ventricle (RV) or both ventricles (biventricular - BiV). In addition, for CRT-Ds, prompt RV lead connection prevents noise/oversensing that may cause inappropriate shocks.

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### CRM PRODUCTS REFERENCED\*

**CRT-Ps:** CONTAK RENEWAL® TR/TR 2  
**CRT-Ds:** CONTAK RENEWAL, RENEWAL 2, RENEWAL 3, RENEWAL 3 AVT, RENEWAL 3 HE, RENEWAL 3 HE, RENEWAL 4, RENEWAL 4 HE, RENEWAL 4 AVT, RENEWAL 4 HE, RENEWAL 4 AVT HE

\*Products referenced herein may not be approved in all geographies.

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To establish proper cardiac resynchronization therapy pacing and, for CRT-Ds, to ensure appropriate tachyarrhythmia detection and therapy, always insert and connect lead terminals to a CRT device header in the order recommended in Table 1:

**Table 1. Order for Inserting and Securing Leads into Boston Scientific CRT Devices**

<b>Step 1</b>	<p><b>Insert and secure the RV pace/sense lead terminal</b> into the RV IS-1 P/S lead port</p> <ul style="list-style-type: none"> <li>• <u>Quickly establishes RV pacing; especially important for pacemaker-dependent patients.</u></li> <li>• Establishes proper timing sequences for RV, LV or CRT pacing.</li> <li>• RV activity impacts pacing therapy timing, regardless of programmed mode (even LV only).</li> <li>• Enables detection and treatment of tachyarrhythmias (CRT-Ds).</li> <li>• Minimizes oversensing associated with noise detection, which can occur when an activated device does not have an attached lead.</li> </ul>
<b>Step 2</b>	<p><b>Insert and secure the atrial pace/sense lead terminal</b> into the A (atrial) IS-1 P/S lead port</p> <ul style="list-style-type: none"> <li>• Establishes synchrony between upper and lower chambers.</li> </ul>
<b>Step 3</b>	<p><b>Insert and secure the LV pace/sense lead terminal</b> in the LV-1 (or IS-1) P/S lead port</p> <ul style="list-style-type: none"> <li>• Establishes synchrony between right and left ventricles.</li> </ul>
<b>Step 4</b>	<p><b>For CRT-Ds, insert and secure the high voltage defibrillating lead terminal pins</b></p> <ul style="list-style-type: none"> <li>• Anode (+, proximal) into the pulse generator's (+) Defib lead port.</li> <li>• Cathode (-, distal) in the (-) Defib lead port.</li> <li>• Enables delivery of shock therapy.</li> </ul>