# A Closer Look

*Boston Scientific*

## SUMMARY

Boston Scientific pacemakers, defibrillators, and S-ICDs include an identifier in the header of the pulse generator that is visible via X-ray or fluoroscopy. The identifier is useful in determining the device manufacturer and model, allowing a clinician to determine the appropriate programmer to communicate with the device. This article includes a reference table of Boston Scientific device identifiers, and includes images of the X-ray identifier location.

**Products Referenced**
All referenced Boston Scientific pacemakers, ICDs, CRT-Ds, CRT-Ps, and S-ICDs

**CRT-D:** Cardiac Resynchronization Therapy Defibrillator
**CRT-P:** Cardiac Resynchronization Therapy Pacemaker
**ICD:** Implantable Cardioverter Defibrillator
**S-ICD:** Subcutaneous Implantable Defibrillator

**Contact Information**
www.bostonscientific.com
**Americas**
Technical Services
LATITUDE™ Customer Support
1.800.CARDIAC (227.3422)
+1.651.582.4000
**Patient Services**
1.866.484.3268

**Europe, Middle East, Africa**
Technical Services
+32 2 416 7222
intltechservice@bsci.com

LATITUDE Customer Support
latitude.europe@bsci.com

**Japan**
Technical Services
japantechservice@bsci.com

LATITUDE Customer Support
japan.latitude@bsci.com

**Asia Pacific**
Technical Services
+61 2 8063 8299
aptechservice@bsci.com

LATITUDE Customer Support
latitudeasiapacific@bsci.com

## X-ray Identification in Boston Scientific Pulse Generators

### X-ray Identifier

Boston Scientific pulse generators, including pacemakers, defibrillators, and S-ICDs, have an identifier that is visible on X-ray film or under fluoroscopy. This identifier provides noninvasive confirmation of the manufacturer and consists of letters (manufacturer identification) and a number (cross-references to a programmer software application) that is required in order to communicate with the device.

The X-ray identifier is embedded in the header of the device. In general, the X-ray identifier will be visible by X-ray or fluorography at the approximate location identified in Figure 1. Note that the location may vary slightly based on the device family or the header design.
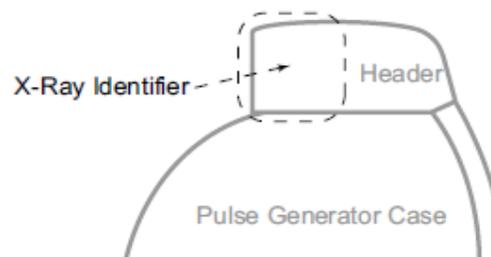


**Figure 1. X-ray identifier**

The tables below identify current generations of Boston Scientific pacemakers, defibrillators and S-ICDs, the programmer software application used by the device, the X-ray identifier (manufacturer letters + software identification number), and an actual X-ray image.

### Identification via a Boston Scientific Programmer

The pulse generator can also be identified by interrogating it with a Boston Scientific Programmer. The model number is stored in device memory and is shown on the programmer upon interrogation. If the pulse generator is not manufactured by Boston Scientific or the model is not supported by the programmer being used, a message will be displayed when an attempt is made to interrogate the device. For example, the message displayed on the Model 3120 ZOOM™ LATITUDE™ Programmer is shown in Figure 2.
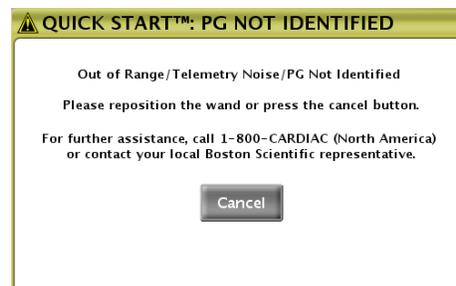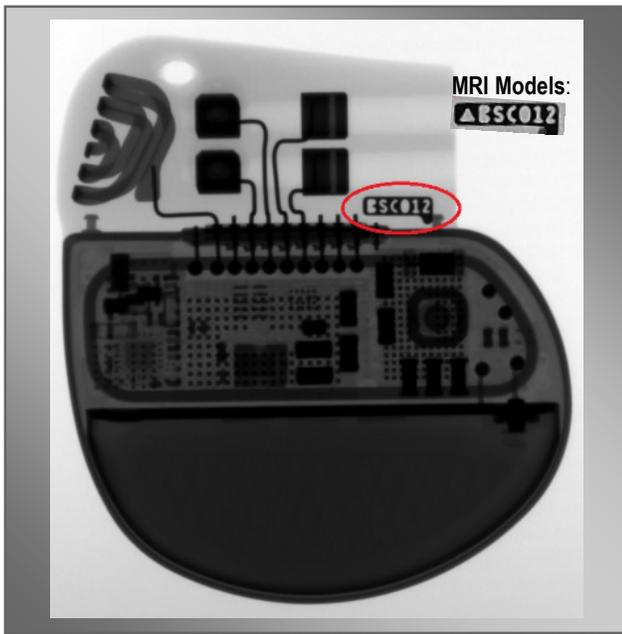


**Figure 2. PG Not Identified Message**

## Table 1. X-ray identifier - Boston Scientific Pacemakers and CRT-Ps

Note that images below include a representative sample from each device family - the location of the X-ray identifier may vary slightly based on the device family or the design of the header.



**ACCOLADE™, PROPONENT™, ESSENTIO™, ALTRUA™ 2 pacemakers**
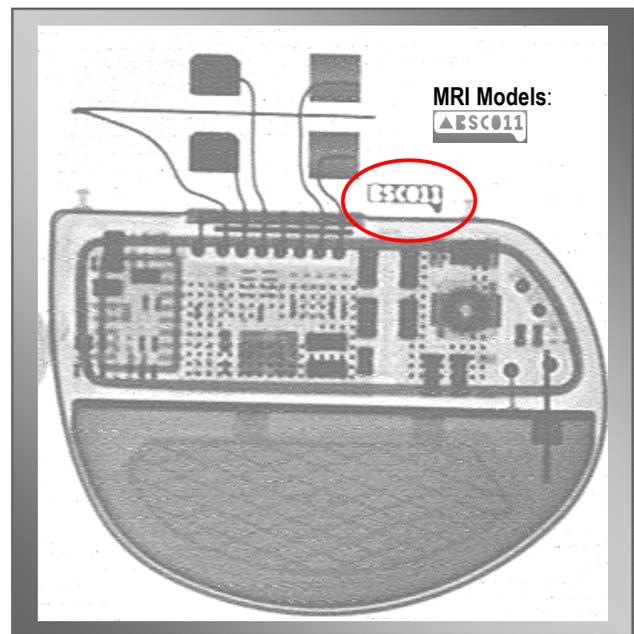**VISIONIST™, VISIONIST™ X4, VALITUDE™, VALITUDE™ X4 CRT-Ps**
Uses Programmer Software Application: Model 2869/3869
X-ray identifier: **BSC012**

**ACCOLADE MRI, PROPONENT MRI, ESSENTIO MRI pacemakers**
Uses Programmer Software Application: Model 2869/3869
X-ray identifier:▲ **BSC012**



**VITALIO™, FORMIO™, INGENIO™, ADVANTIO™ pacemakers**
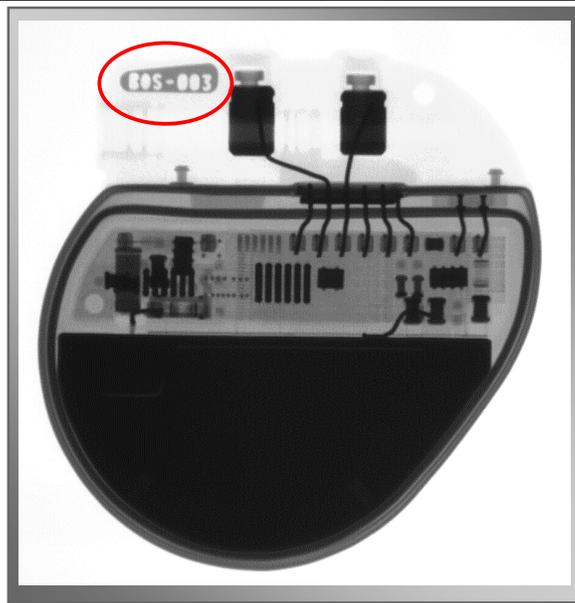**INLIVEN™, INTUA™, INVIVE™ CRT-Ps**
Uses Programmer Software Application: Model 2869/3869
X-ray identifier: **BSC011**

**VITALIO MRI, FORMIO MRI, INGENIO MRI, ADVANTIO MRI pacemakers**
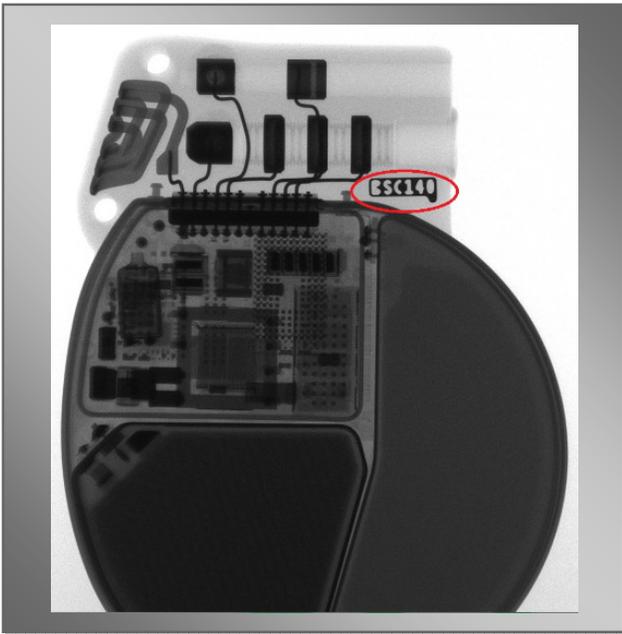Uses Programmer Software Application: Model 2869/3869
X-ray identifier:▲ **BSC011**



**ALTRUA™ pacemakers**
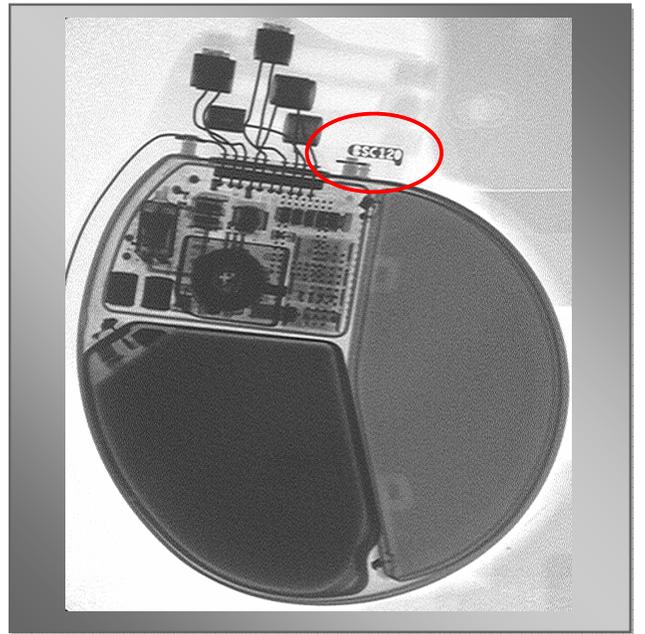Uses Programmer Software Application: Model 2892
X-ray identifier: **BOS003**

## Table 2. X-ray identifier - Boston Scientific ICDs and CRT-Ds

Note that images below include a representative sample from each device family - the location of the X-ray identifier may vary slightly based on the device family or the design of the header.



**RESONATE**™, **PERCIVA**™, **CHARISMA**™, **VIGILANT**™, **MOMENTUM**™ **ICDs**
**RESONATE, CHARISMA, VIGILANT, MOMENTUM CRT-Ds**
**AUTOGEN**™, **DYNAGEN**™, **INOGEN**™, **ORIGEN**™ **ICDs**
**AUTOGEN, DYNAGEN, INOGEN, ORIGEN CRT-Ds**
Uses Programmer Software Application: Model 2868/3868
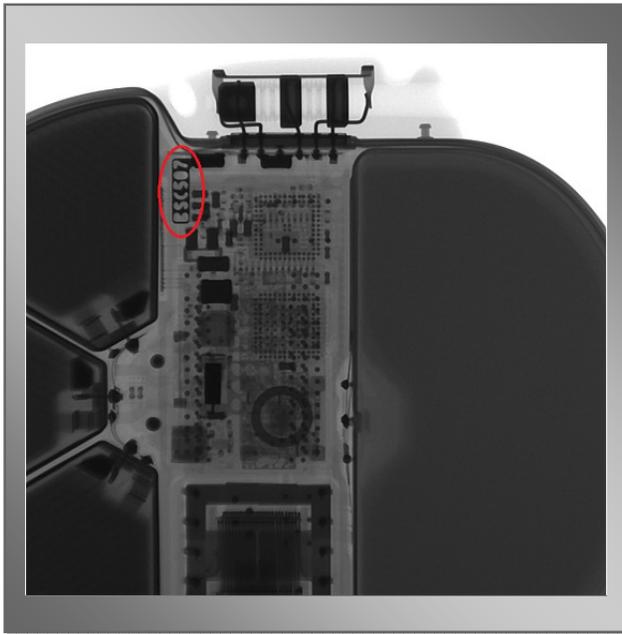X-ray identifier: **BSC140**



**INCEPTA™, PUNCTUA™, ENERGEN™ ICDs**
**INCEPTA, PUNCTUA, ENERGEN CRT-Ds**
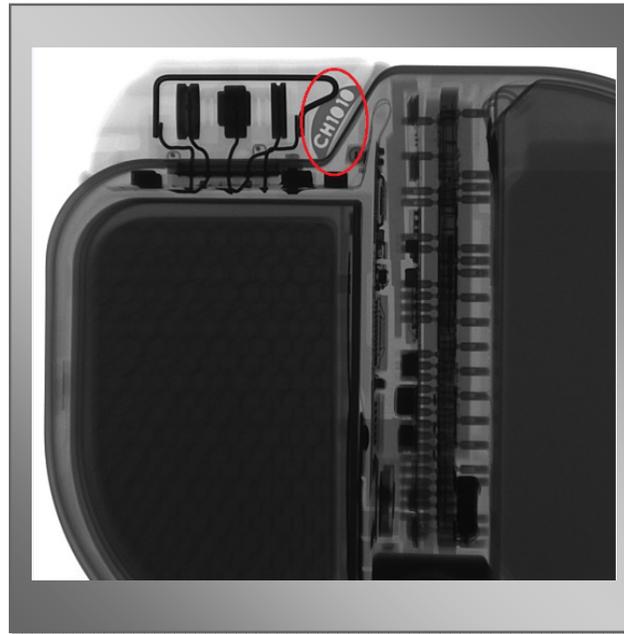Uses Programmer Software Application: Model 2868/3868
X-ray identifier: **BSC120**



**TELIGEN**™ **ICD and COGNIS**™ **CRT-D**
Uses Programmer Software Application: Model 2868/3868
X-ray Identifier: **BOS112**

## Table 3. X-ray identifier - Boston Scientific S-ICDs

Note that images below include a representative sample from each device family - the location of the X-ray identifier may vary slightly based on the device family or the design of the header.



**EMBLEM and EMBLEM MRI S-ICD**
Uses Programmer Software Application: Model 2877
X-ray identifier: **BSC507**



**SQ-RX S-ICD**
Uses Programmer Software Application: Model 2877
X-ray identifier: **CH1010**