HS-AA002-1 (2 core overbraided cable - 02)

1. Remove heatshrink covering from end of the cable if it is present.
   Slide **G01-010** rubber strain relief, 30mm **G01-001** heatshrink and BNC crimp tube cover over cable end, see figure 1a.

2. Trim back cable cover to 15mm from cable end, completely remove inner foil sleeve and drain wire. Prepare core wire lengths, see figure 1a.
   Side 10mm of **G01-001** heatshrink over the cable end and heat shrink in place ensuring that you completely cover the drain wire stub, see figure 1b.

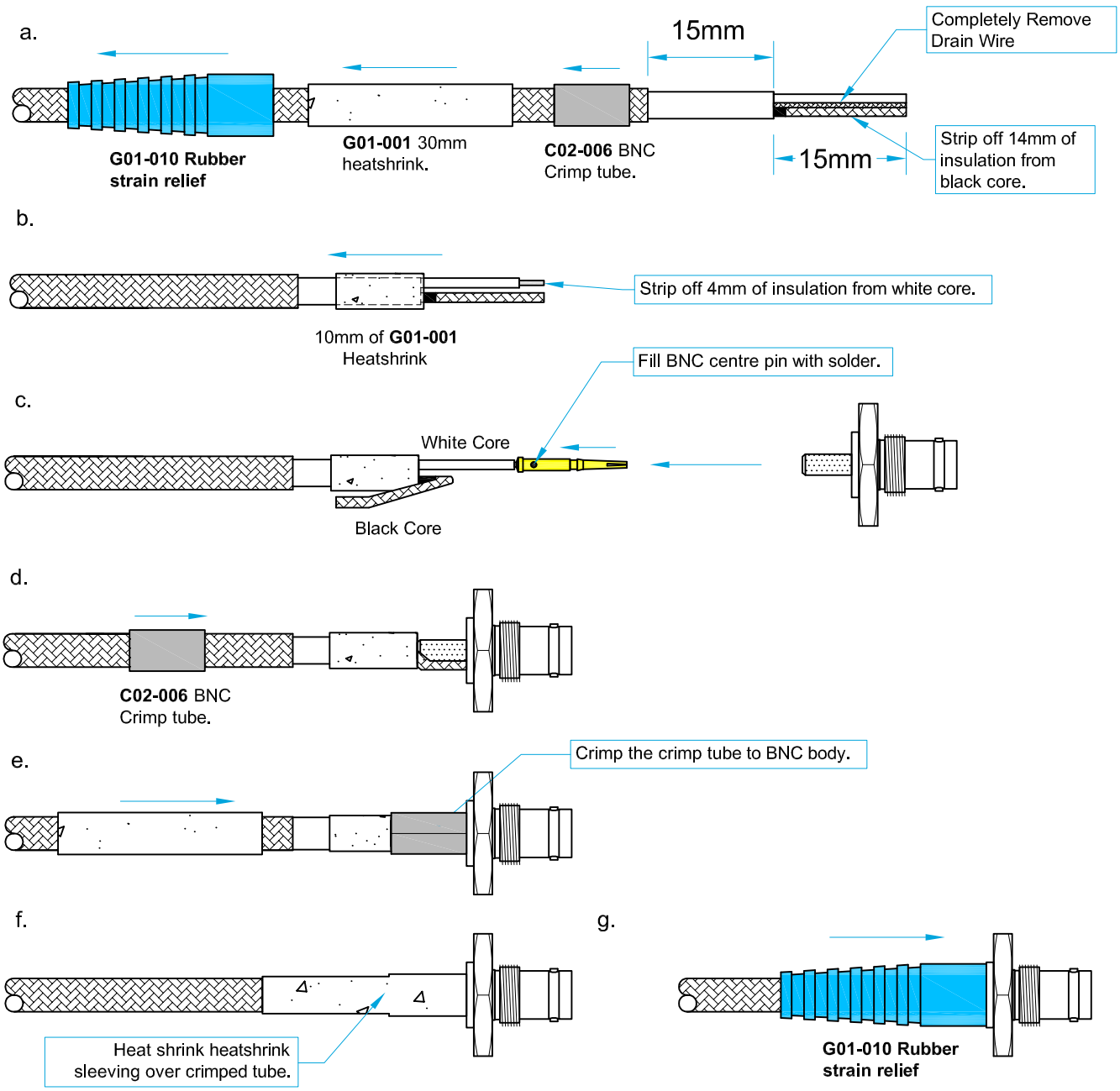
3. Bend black core away from the white core, see figure 1c.
   Insert BNC center pin onto end of white core (make sure wire strands are undisturbed as it is a tight fit).
   Turning the center pin whist inserting into end of the white wire into the pin aids the operation.
   Removing a few strands of wire will help make the wire end fit into the center pin if needed.

4. Solder the center pin hole be careful not to get any solder build up on the outside of the center pin, see figure 1c.
   Scrape off any build up with a scalpel if this happens.
   Apply a small tug on pin to make sure it's bonded to the wire properly, see figure 1d.

5. Insert the BNC body over center pin, see figure 1c. Push the pin in until you feel it click into place, see figure 1d.
   Lay black wire next to BNC body and trim off excess wire length, see figure 1d.

6. Insert crimp tube onto BNC body and crimp it in place, see figure 1e.
   Insert 30mm of **G01-001** heatshrink over crimped crimp tube and heat shrink it in place, see figure 1f.
   Slide **G01-010** rubber strain relief over heat shrunk heatshrink, see figure 1g.

Figure 1



Hansford Sensors	Title: HS-AA002 (90° Bracket with BNC Socket & Dustcap Fitted to Cabled Accelerometer	Drg No: AA002	Rev No: E	Drf no: 0247	Iss date: 03.01.13	Drawn by: MAB	Approved by: MJS	Form number QF039	Sheet 2 of 9

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7. Fix the parts onto **M01-014-A** 90° Bracket, and fully tighten **F01-011** M3 Nyloc Nut onto **F01-010** M3 x 10 screw, see figure 2a.
   Fit the rubber sealing washer into the BNC base, see figure 2b.
   Insert the BNC connector into **M01-014-A** 90° Bracket, see figure 2c.
   Insert BNC retaining nut and BNC retaining washer over the BNC, rotate the BNC so the rotation is the same as in figure 2d.
   Fully tighten the BNC retaining nut whilst keeping the BNC orientation the same as in figure 2d.

8. Set a DMM to ⏚ setting.
   Place one end of the probe from the DMM onto the accelerometer body.
   Place the other end of the probe from the DMM onto the BNC case.
   There should be no contiunity present between the accelerometer body and BNC case, see figure 3.

Figure 2

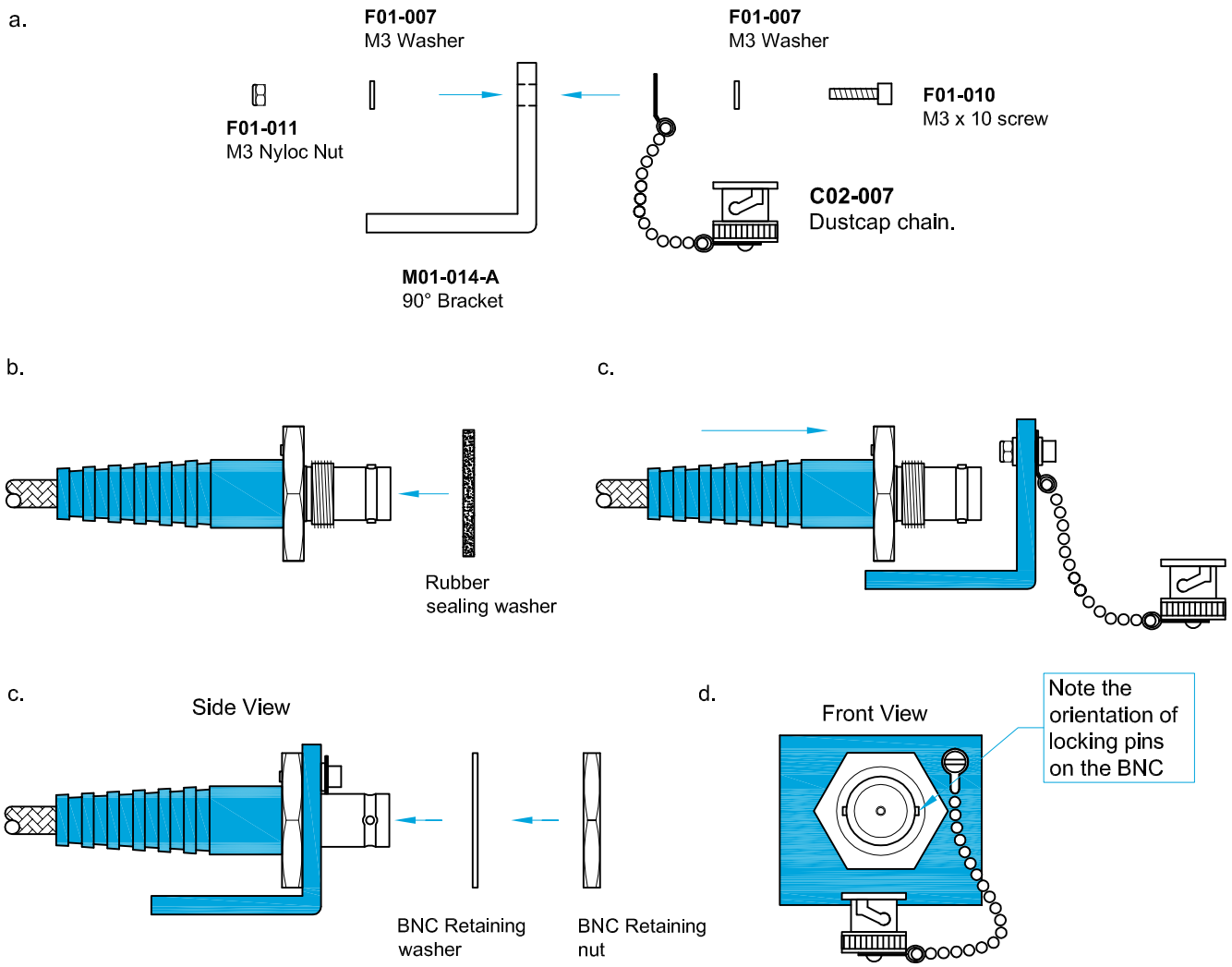
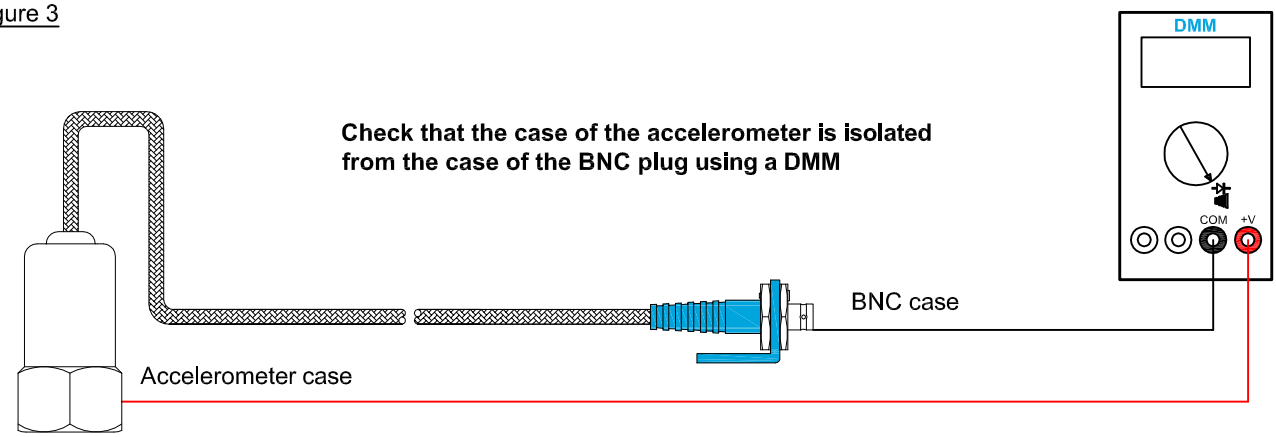


Figure 3



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