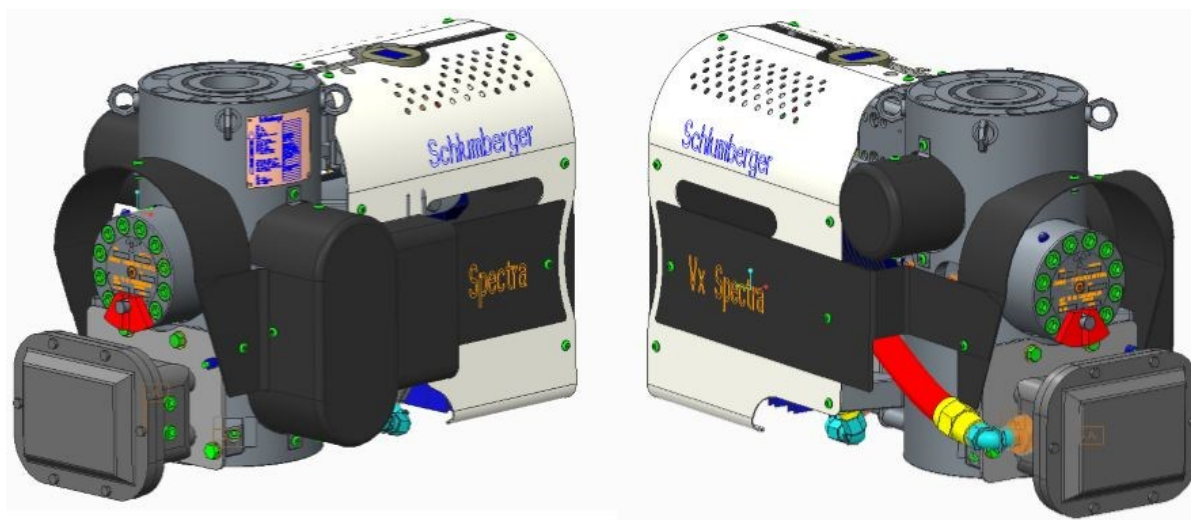


# SWI - **COVER** ASSEMBLY, CSA



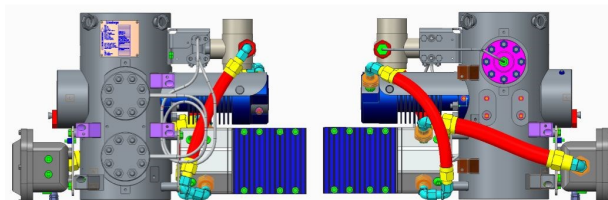
## Introduction

The objective of this SWI is to provide the steps necessary to install the CSA **Cover** kits 101730540 on to the CSA Vx Spectra



## Steps

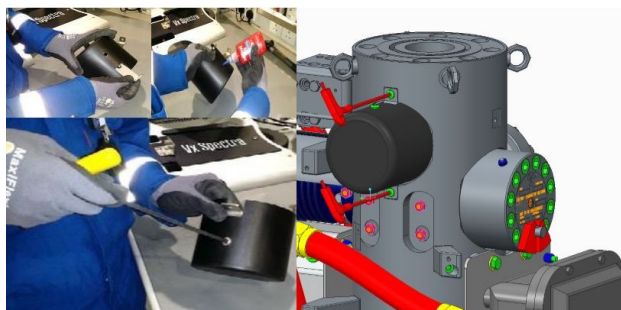
- 1 Apply small amount of Loctite 222 at the female screw threads for the 6 **cover** brackets on the venturi and assemble the brackets onto the venturi at the location as shown in the image using a 5/16 T-Allen Key. The purple bracket is P/N 101346868 The brown bracket is P/N 101715523 The screw P/N is 100425408



Check the quality of the thread for the screw 100425408 before assembling.

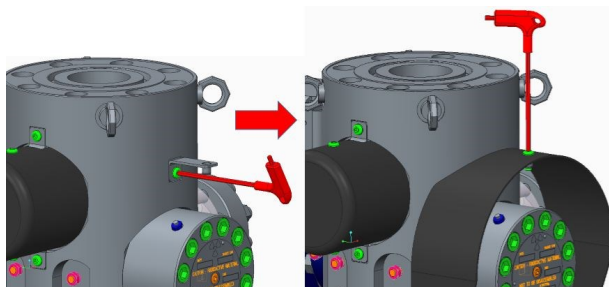
**Steps**

- 2** Prepare the thermowell cover (P/N 101738853), 2 brackets (101519753) and 4 screws (P/N 101348944). Pre-assemble the 2 brackets to the thermowell cover using 1 screw each as shown in the image using 5mm T-Allen Key. \*Apply Loctite 222 on the female thread of the nut on the bracket\* Then, assemble the 2 brackets along with the thermowell cover onto the venturi as shown in the image using 5mm T-Allen Key. \*Apply Loctite 222 on the female thread of the venturi\*



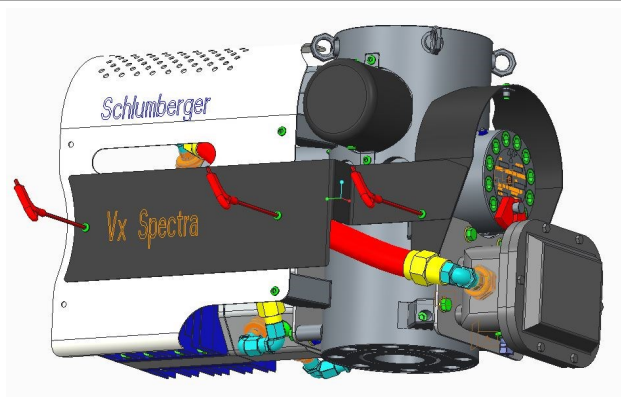
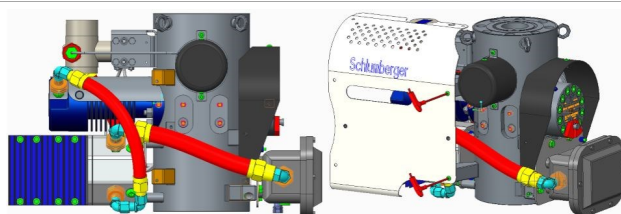
Check the quality of the cover to ensure that there is no physical damages or discolouration on the cover Check the quality of the screws to ensure that the thread and head that they are in good quality

- 3** Prepare the source cover (P/N 101346671), 1 bracket (101519760) and 2 screws (P/N 101348944) Assemble the bracket with 1 screw onto it using 5mm T-Allen Key as shown in the picture. \*Apply a small amount of Loctite 222 on the female thread of the venturi\* Assemble the source cover onto the bracket using 5mm T-Allen Key as shown in the picture. \*Apply a small amount of Loctite 222 on the female thread of the nut on the bracket\*



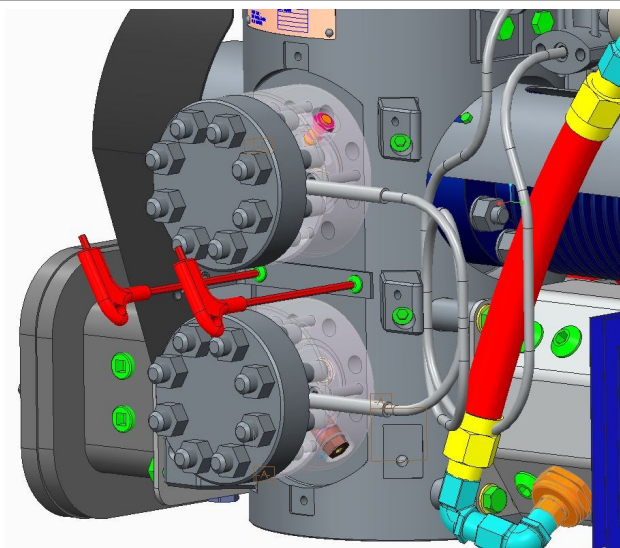
## Steps

- |                 |  |
|-----------------|--|
| <p><b>i</b></p> | <p>Check the quality of the cover to ensure that there is no physical damages or discolouration on the cover Check the quality of the screws to ensure that the thread and head that they are in good quality</p>  |
| <p><b>4</b></p> | <p>Prepare the right side cover (P/N 101732843) and 2 screws (P/N 101348944) Apply loctite 222 on the female threads of the cover brackets (P/N 101715523) as indicated in brown colour as shown in the picture. Tighten the side cover with 2 screws using 5mm T-Allen Key as shown in picture.</p>                                       |
| <p><b>i</b></p> | <p>Check the quality of the cover to ensure that there is no physical damages or discolouration on the cover Check the quality of the screws to ensure that the thread and head that they are in good quality</p>  |
| <p><b>5</b></p> | <p>Prepare the right instrumentation cover (P/N 101732835) and 3 screws (P/N 101348944) Apply loctite 222 on all 3 female threads where the screws will be engaged (2 on the right side cover (P/N 101732843) and 1 on the bracket (P/N 101346868)) Tighten the right instrumentation cover using 5mm T-Allen Key as shown in picture.</p> |
| <p><b>i</b></p> | <p>Check the quality of the cover to ensure that there is no physical damages or discolouration on the cover Check the quality of the screws to ensure that the thread and head that they are in good quality</p>  |



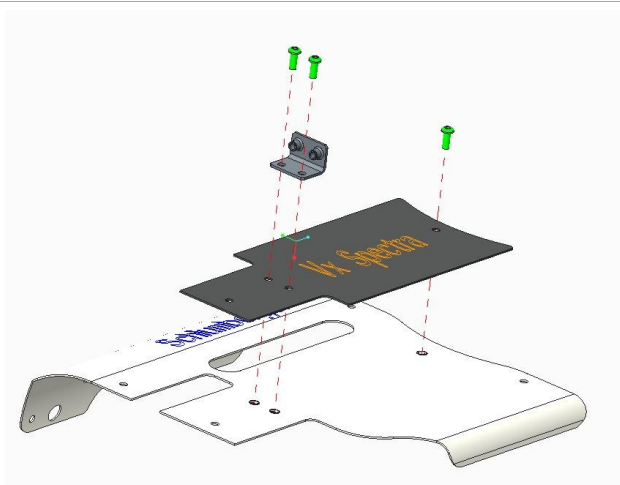
**Steps**

- 6** Prepare the bracket (P/N 101519758) and 2 screws (P/N 101348944). Apply loctite 222 on the 2 female threads where the screws will be engaged on the venturi. Tighten the bracket to the venturi using 5mm T-Allen Key as shown in picture.



Check the quality of the screws to ensure that the thread and head that they are in good quality

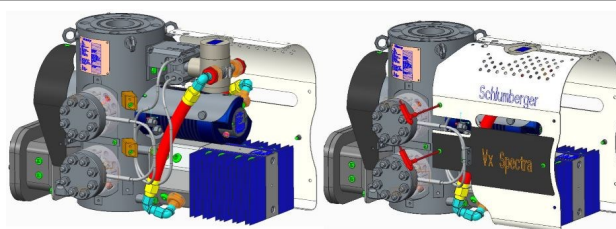
- 7** Prepare the left side cover (P/N 101732848), bracket (P/N 101519747), left protection cover (P/N 101346912) and 3 screws (P/N 101348944). Apply loctite 222 on the 3 female threads where the screws will be engaged on the left side cover (P/N 101732848). Align the bracket to the left protection cover and to the left side cover and tighten the 3 screws using 5mm T-Allen Key as shown in picture.



Check the quality of the cover to ensure that there is no physical damages or discolouration on the cover Check the quality of the screws to ensure that the thread and head that they are in good quality

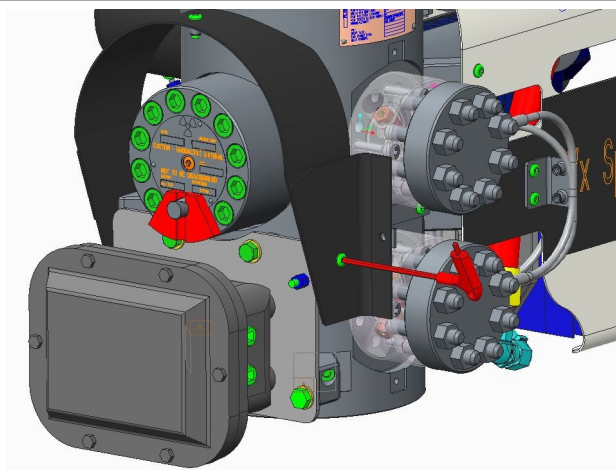
**Steps**

- 8** Prepare 2 screws (P/N 101348944). Apply small amount of Loctite 222 on the female thread on the 2 machined bracket (101346868) highlighted in brown colour where the cover assembly from Step 7 will be attached to. Tighten the side cover with 2 screws using 5mm T-Allen Key as shown in picture.



Check the quality of the screws to ensure that the thread and head that they are in good quality

- 9** Prepare the DP Bended Plate (P/N 101346815) and 1 screw (P/N 101348944) Apply small amount of Loctite 222 on the female thread on the bracket (P/N 101346868) on the venturi, align the DP Bended Plate and tighten the screw using 5mm T-Allen Key as shown in the picture.

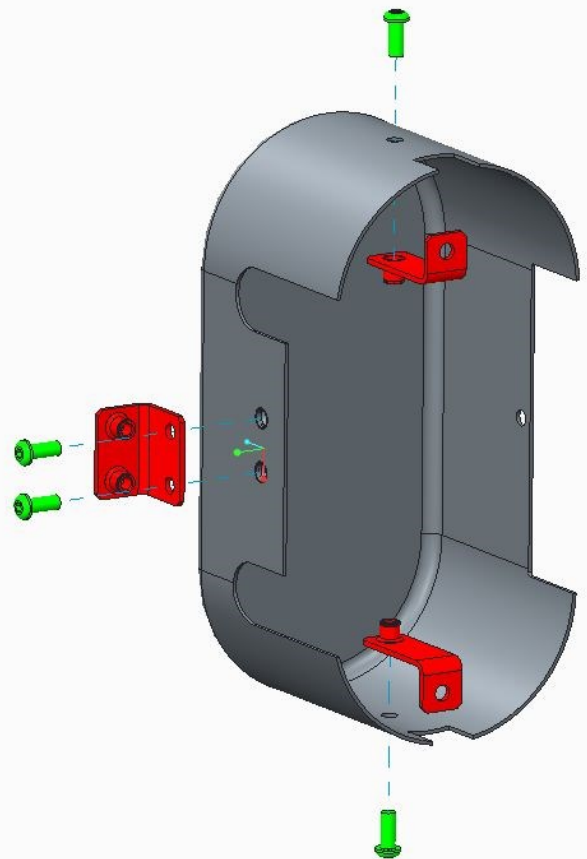


Check the quality of the plate to ensure that there is no physical damages or discolouration on the cover Check the quality of the screws to ensure that the thread and head that they are in good quality



**Steps**

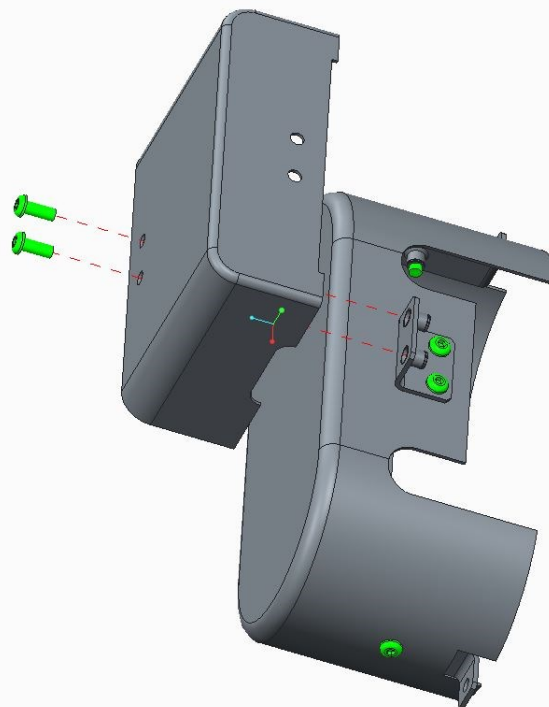
- 10** Prepare the DP Cover (P/N 101519749), brackets (2 x P/N 101519753 and 1 x P/N 101519747) and 4 screws (P/N 101348944) Apply small amount of Loctite 222 on the female thread on the brackets where the 4 screws will be assembled. Align the brackets to the DP cover and tighten the 4 screws using 5mm T-Allen Key as shown in picture.



Check the quality of the cover to ensure that there is no physical damages or discolouration on the cover Check the quality of the screws to ensure that the thread and head that they are in good quality

**Steps**

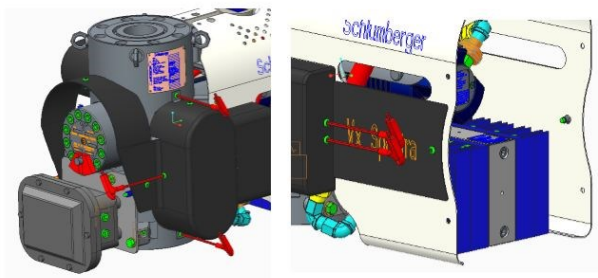
- 11** Prepare the Tubing Cover (P/N 101732841) and 2 screws (P/N 101348944) Apply small amount of Loctite 222 on the female thread on the bracket (P/N 101519747) on the cover assembly in Step 9 Tighten the 2 screws using 5mm T-Allen Key as shown in the picture.



- i** Check the quality of the cover to ensure that there is no physical damages or discolouration on the cover Check the quality of the screws to ensure that the thread and head that they are in good quality
- i** Take note of the small opening at the bottom of the tubing cover to ensure correct orientation.

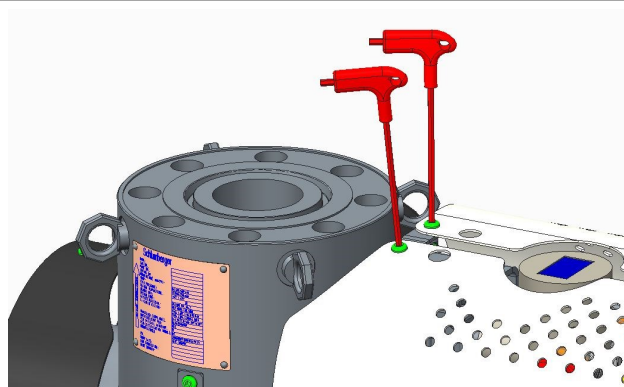
## Steps

- 12** Prepare 5 screws (P/N 101348944). Apply small amount of Loctite 222 on the 2 female thread on the venturi and on the 2 female thread on the bracket (P/N 101519747) and on the female thread on the DP bracket (P/N 101519758) of the cover assembly from Step 7 Tighten the cover assembly from Step 11 with 4 screws using 5mm T-Allen Key as shown in the picture.



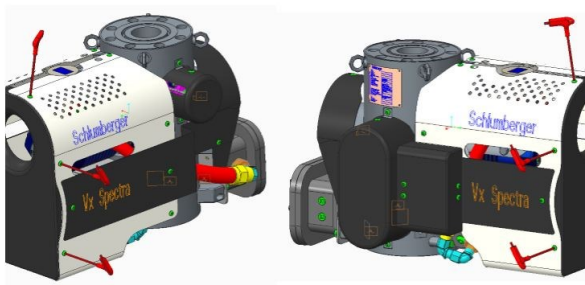
Check the quality of the screws to ensure that the thread and head that they are in good quality

- 13** Prepare the bracket (P/N 101738858) and 2 screws (P/N 101348944). Apply small amount of Loctite 222 on the 2 female threads on the bracket (P/N 101738858). Tighten the 2 screws using 5mm T-Allen Key as shown in the picture.



Check the quality of the screws to ensure that the thread and head that they are in good quality

- 14** Prepare the Front Cover (P/N 101732839) and 6 screws (P/N 101348944). Apply small amount of Loctite 222 on the 6 female threads on the Front Cover (P/N 101732839). Tighten the 6 screws using 5mm T-Allen Key AS shown in the picture.





## Steps



Check the quality of the cover to ensure that there is no physical damages or discolouration on the cover Check the quality of the screws to ensure that the thread and head that they are in good quality

## END OF STANDARD WORK INSTRUCTION



This symbol means that the equipment cannot be discarded in a rubbish-bin. At its end of life, the equipment and/or its components must be treated, following Schlumberger Environmental procedures, in compliance with Schlumberger QHSE Policy and applicable laws and regulations on waste management.

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