

## Engineering Change Order

<b>ECO Number</b>	5732	Change Order Code *		A
Requested by	M.Astill	Date	28/10/2020	Issue ID
Brief Description of Change	STS Updated Operating Instructions			
Products Affected	STS			
WINMAN Product Classification	N/A			
Justification Code**	1	Top Level Version Change		N
New Top Level Assembly Version Number	N	Assembly Version No		
Supply top lvl assembly with DoC	N	Supply top lvl assembly with DoI		N

Declaration of conformity = DoC,

Declaration of Incorporation = DoI

<u>Part/Product Number, description of changes and release:</u>
<p>The following operating instruction has been updated to the new format.</p> <p><b>OM-ST5-01</b> - STS Operating Instructions</p> <p><u>Operations (Assembly)</u></p> <p>A PDF copy of the above operating instruction is stored on the Z: drive in the operating Instructions NEW folder. All of the new issued operating instructions will be stored in this location from now on.</p> <p><u>Sales &amp; Marketing</u></p> <p>Upload the new STS bolt tensioner operating instructions on the Hi- Force website, Add the following new description to the pump webpage: <b>STS Topside Bolt Tensioners Operating Manual.</b></p> <p>Remove the current STS Operating Instructions from the website.</p>
<p>List all non-Saleable individual BOM Components here: ***</p>

**Change Order Classifications (Input Code\*)**

- A = Immediate irrespective of cost or stock implications
  - B = As soon as new parts become available, make old design obsolete
  - C = Consume old parts before change implementation
- Justification Classifications (Input Code\*\*)**
- 1 = Top Line Assembly or Component Change (Design Issue)
  - 2 = Top Line Assembly or Component Update (Design Issue)
  - 3 = VAVE Activity (Cost save)
  - 4 = New Product
  - 5 = Obsolete Product

Ensure components listed are marked on WINMAN as not available for sale as a standalone component spare.\*\*\*

This Document is approved for use by Hi-Force Limited				
Doc Ref: Eng001	Issue:2	Issue Date:01/11/18	Rev No:8	Rev Date: 20/10/20
Authored by: David Brookes			Approved by: David Brookes - GTD	

Actioned by	B.Ramsay-Boyd	Date	28/10/2020
Validated by		Date	
Approved by	Matt Hughes	Date	02/11/2020

<b>Hi-Force Mandatory Action Definition &amp; Affects</b>		
Required Action Key	Yes	No
<b>Technical (Design)</b>		
Update Drawing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Update 3D Model	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Update BoM	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Update Operating Instruction	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Amend Catalogue	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Update to Online Part List & EVD (Exploded View Diagram)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Release Tech Bulletin	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Amend or create new training documentation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Operations (Purchasing)</b>		
Update Component Part/s in Winman	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Component part/s from Winman	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Add Component part/s to Winman	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Update external supply chain / Alert supplier	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Affect to customer delivery expectation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Possible effect to current Stock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Register ECO on last Serial Number Manufactured	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Operations (Internal Manufacturing)</b>		
Amend routing and machining ops	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Risk to current MO	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Raw Material Change	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rework existing component stock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Operations (Assembly)</b>		
Acknowledge change to 3D Model information	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Amend Assembly Instructions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Update Serial Number record (Last made with ECO ref)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Acknowledge Marking and Certification Requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Technical (Quality &amp; Inspection)</b>		
Acknowledge change to technical documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Operations (Logistics / Warehouse)</b>		
Rework existing component stock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Acknowledge Obsolete Components / Parts	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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Amend pre-picked assembly Kits	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Sales &amp; Marketing</b>		
Add to Price List / Amendment to Engineering cost price	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Change to Public documentation (Website, Sales info, Catalogue)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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