



VACGEN

Assembly Guide

Transax Z Bellows Replacement

AS0015

VGS03-02T15



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DISCLAIMER

This Assembly Guide should be used in conjunction with the owner's manual where available, and is intended as a guide only as there may be variations between versions and therefore must be used at the Owner's Risk. For more detailed assistance, please contact our Support desk +44 (0) 1323 379 335 or support@vacgen.com.

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Revision	Date	Comment	Initials
1	31/03/2020	New Document	DM
2			
3			

Unit A, Swallow Business Park
Diamond Drive, Lower Dicker
Hailsham, East Sussex
BN27 4EL, UK



Replacement “Z” Bellows for Transax

1. If cooling is fitted, undo the cooling couplings (Down pipes to cooling coil) at sample end.
2. Remove the feedthroughs and discounted the wiring, noting their positions.
3. With the wire still attached to the sample holder, remove the sample holder, pulling the wires out of the support tube.
4. Remove the rotary drive
5. Working at the sample end
6. Remove the cooling clamp at the end of the support tube to release the cooling tubes.
7. Remove the bearing support from the end of the support tube at the sample end, which is held in with M2 screws.
8. Remove feedthrough chamber
NOTE: If cooling is fitted, then the cooling pipes are left attached to the chamber and need to be carefully pulled up and out through the port. These tubes pass through the Support Tube
9. Remove the support tube by releasing the grub screws in the top ring of the support tube and pull up and out through the bellows
IMPORTANT NOTE: This has an orientation, so note orientation before it is removed, as this has to fit in the same orientation, so the cooling can be re-fitted. The “Z” bellows can now be removed and the “Z” Slide left in place
10. Undo the 6 screws holding the lower base flange to the X&Y table
11. Undo the grub screw (21) on the top flange, this allows a small amount of movement in the flange
12. Undo the two screws (7) holding the top flange, this will release the flange from the knee

IMPORTANT NOTE: Refit in reverse, making sure that when the support tube is refitted in the orientation as removed. Also, the grub screws at the top of the support tube, where it fits into the bellows top flange, must be very tight.

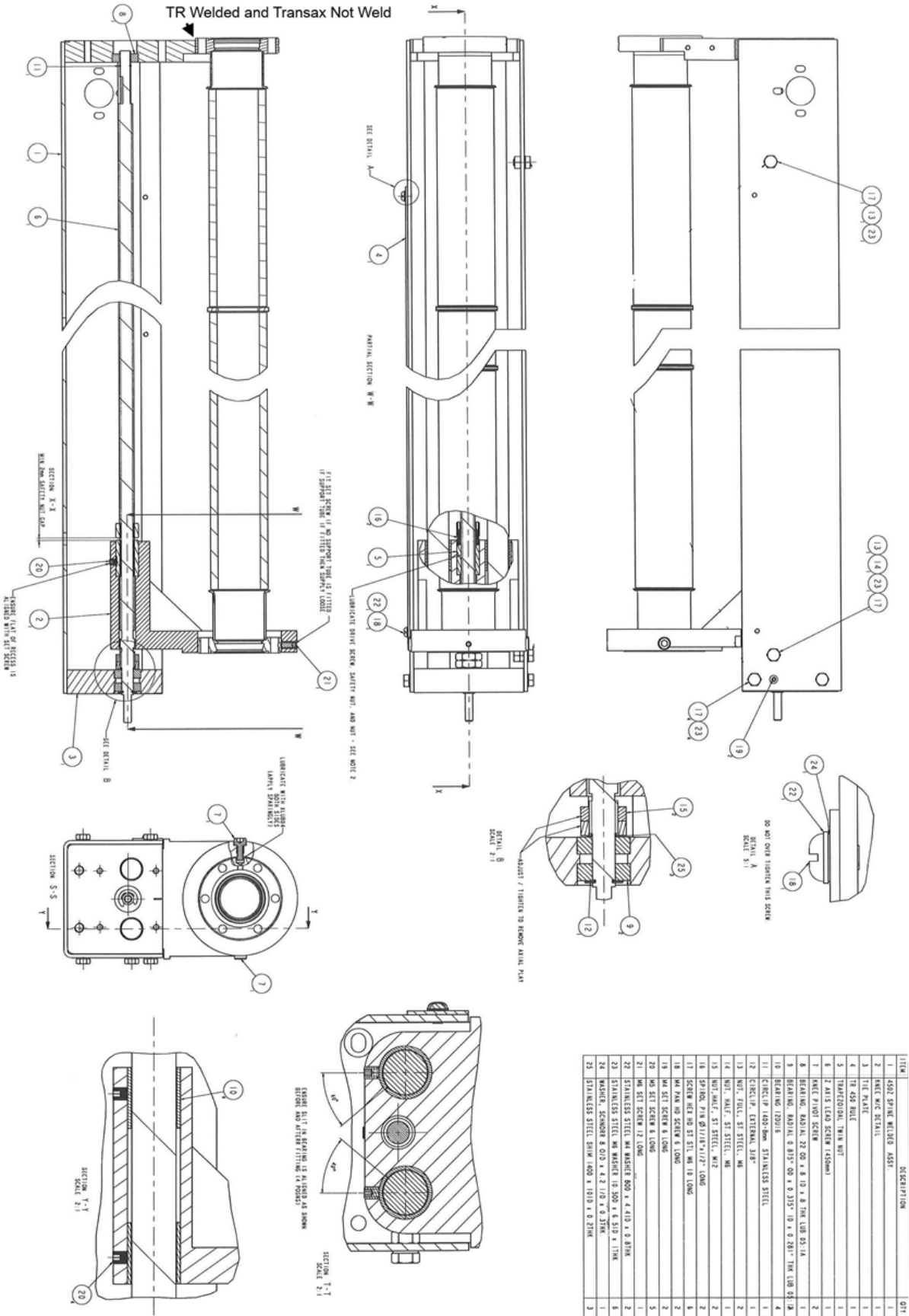
Cooling

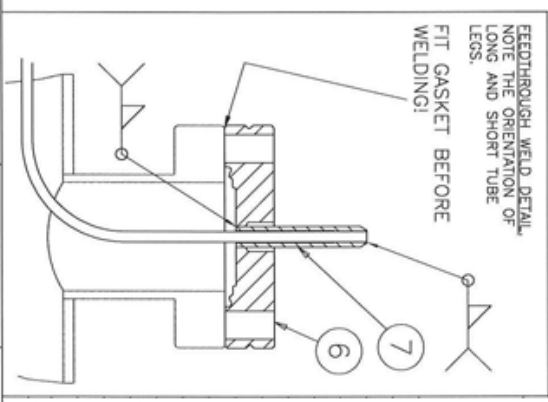
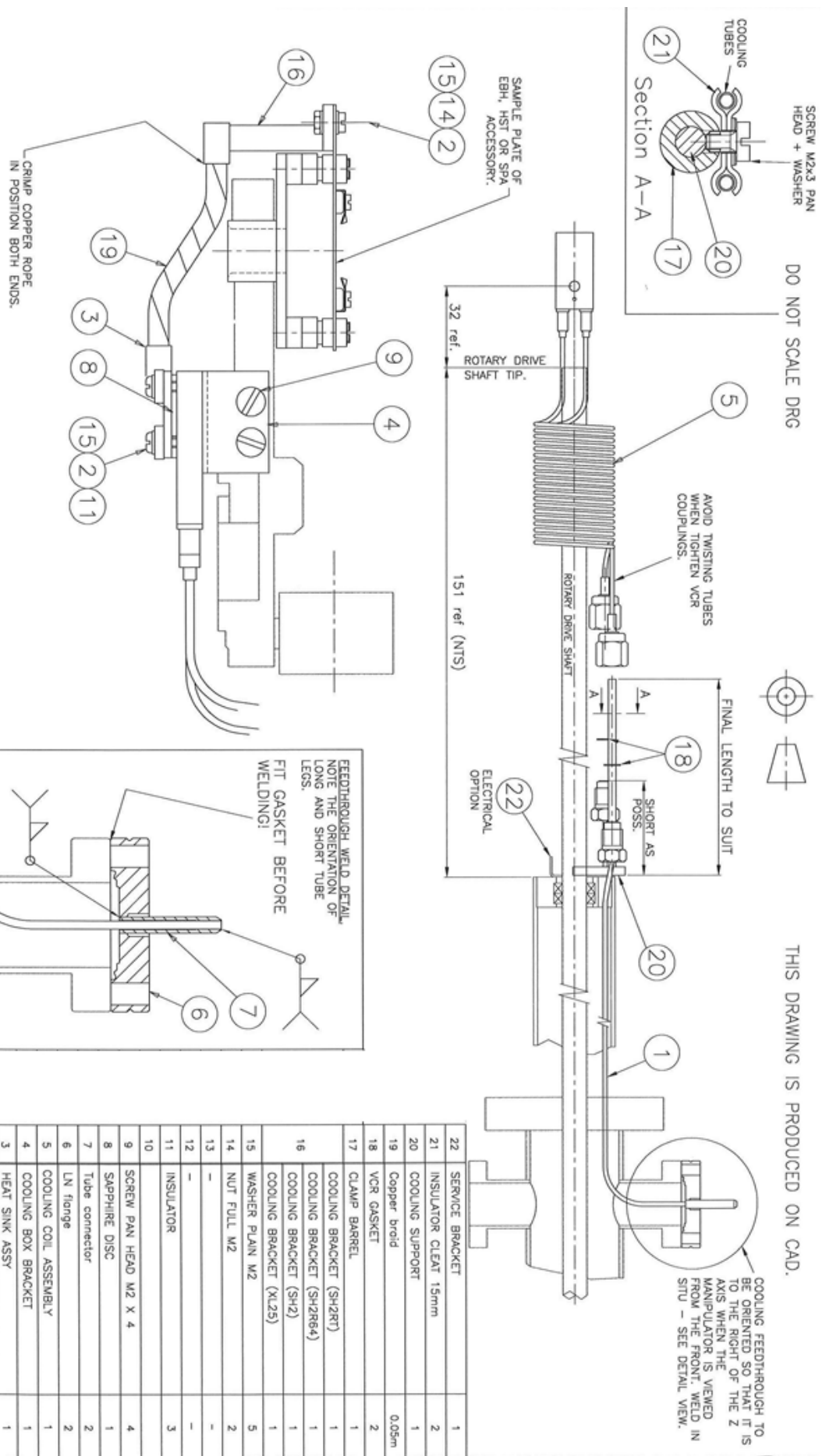
For the cooling you will need The Cajon Gasket set, ZLNCU

The couplings are done up finger tight, then 1-quarter turn with a spanner, taking great care not to twist or kink the tubes.



DRAWINGS





ITEM No	DESCRIPTION	QTY
1	LN Tubes	1
2	SCREW PAN HEAD M2 X 6	5
3	HEAT SINK ASSY	1
4	COOLING BOX BRACKET	1
5	COOLING COIL ASSEMBLY	1
6	LN flange	2
7	Tube connector	2
8	SAPPHIRE DISC	1
9	SCREW PAN HEAD M2 X 4	4
10	INSULATOR	3
11	INSULATOR	3
12	-	-
13	-	-
14	NUT FULL M2	2
15	WASHER PLAIN M2	5
16	COOLING BRACKET (XL25)	1
17	CLAMP BARREL	1
18	COOLING BRACKET (SH2RT)	1
19	COOLING BRACKET (SH2R64)	1
20	COOLING BRACKET (SH2)	1
21	COOLING BRACKET (XL25)	1
22	SERVICE BRACKET	1
23	INSULATOR CLEAR 15mm	2
24	COOLING SUPPORT	1
25	Copper braid	0.05m
26	VCR GASKET	2
27	CLAMP BARREL	1
28	COOLING BRACKET (SH2RT)	1
29	COOLING BRACKET (SH2R64)	1
30	COOLING BRACKET (SH2)	1
31	COOLING BRACKET (XL25)	1
32	WASHER PLAIN M2	5
33	NUT FULL M2	2
34	-	-
35	-	-
36	INSULATOR	3
37	INSULATOR	3
38	SCREW PAN HEAD M2 X 4	4
39	SAPPHIRE DISC	1
40	Tube connector	2
41	LN flange	2
42	COOLING COIL ASSEMBLY	1
43	COOLING BOX BRACKET	1
44	HEAT SINK ASSY	1
45	SCREW PAN HEAD M2 X 6	5
46	LN Tubes	1

DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED		REMOVE ALL BORES AND SWAMP DOORS	
0	50 MILLIMETRES FULL SCALE	SCALE	NTS
MATERIAL--		DRAWN BY	TSP
FINISH-- CLEAN		DATE	15/4/97
TOLERANCE UNLESS OTHERWISE STATED		TITLE	
DIM/N 0 ± 1mm	ANGLE ± 0° 30'	LN Cooling: TRANSAX	
DIM/N 0.0 ± 0.2mm	SURFACE FINISH 1.6u	DRG No	
DIM/N 0.00 ± 0.1mm		DH-09-20-2	

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VACUUM GENERATORS
 Magneti Research/Engineering Service
 Tel: 0424 86191 Fax: 0424 86149
 Email: 86202@mc.cba.com.au