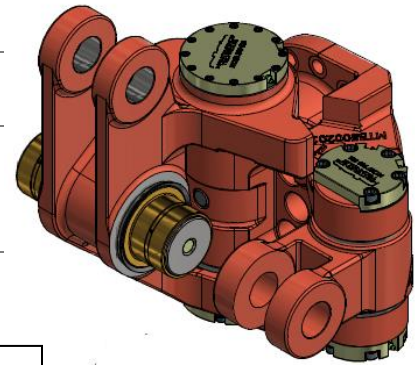


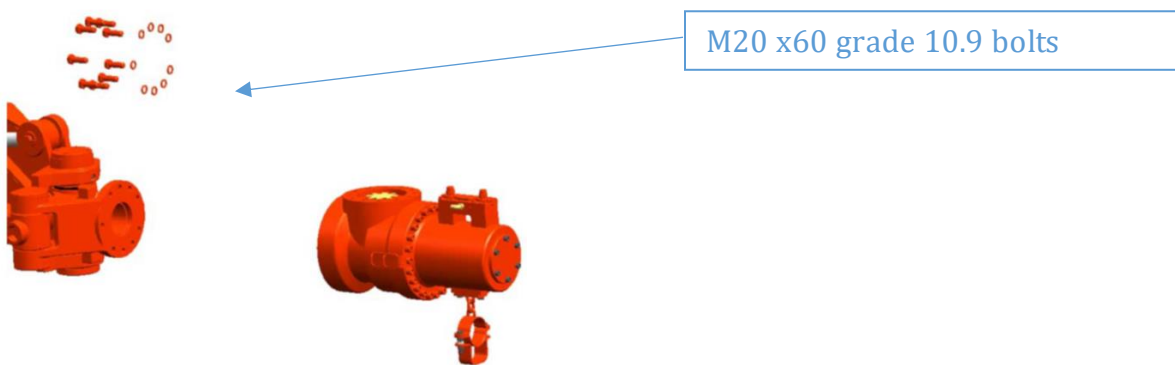
Work Instruction

Document	SB60 MIT DPU REMOVAL
Machine/Group	Sandvik SB60 Booms



Important- Follow all Site standard safety requirements including supporting booms on rated safety stands, lifting and slinging procedures, Isolations and always use the correct equipment for the Task.

1. Support the boom and feed arrangement as per site standards. Remove the bolts connecting the DPU to the rollover as shown in PIC 1.



PIC 1

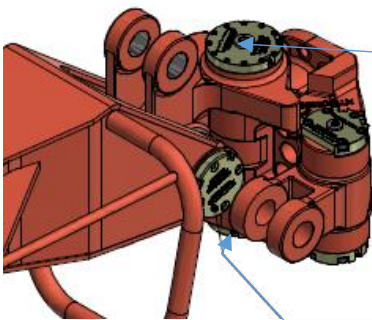
- Support the DPU swing cylinder and remove the DPU swing pin from the clevis.
Note: Take care to ensure the DPU doesn't swing when the pin is removed



DPU swing pin

PIC 2

- Support DPU so that it does not fall when you remove the DPU dump pin.



DPU dump pin location

Place support under DPU here.

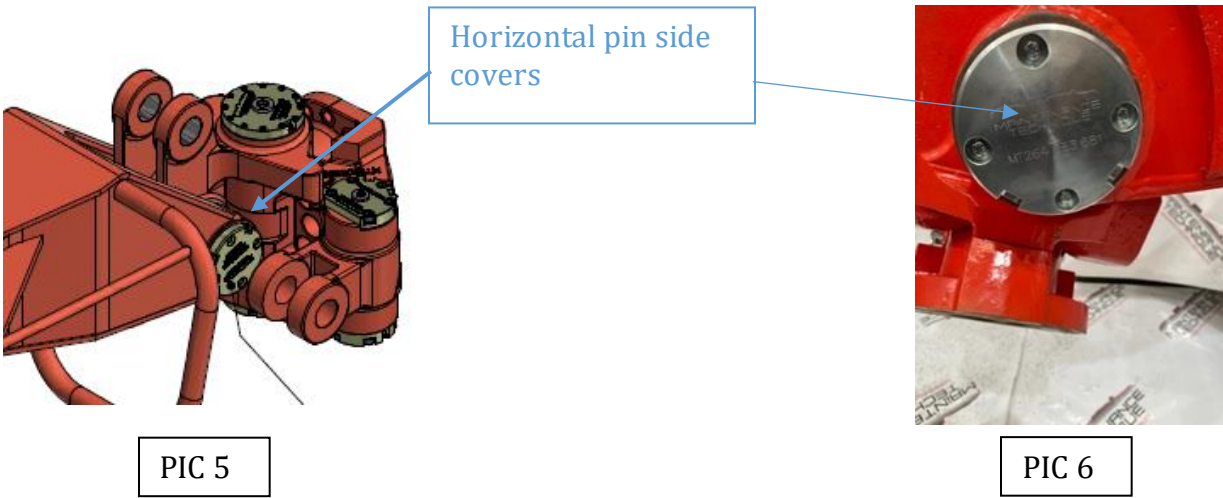
PIC 3

- After removing the DPU dump pin, connect a suitable sling through the DPU as shown in PIC 4.
Note: Slings the DPU from here balances the DPU for easy removal.

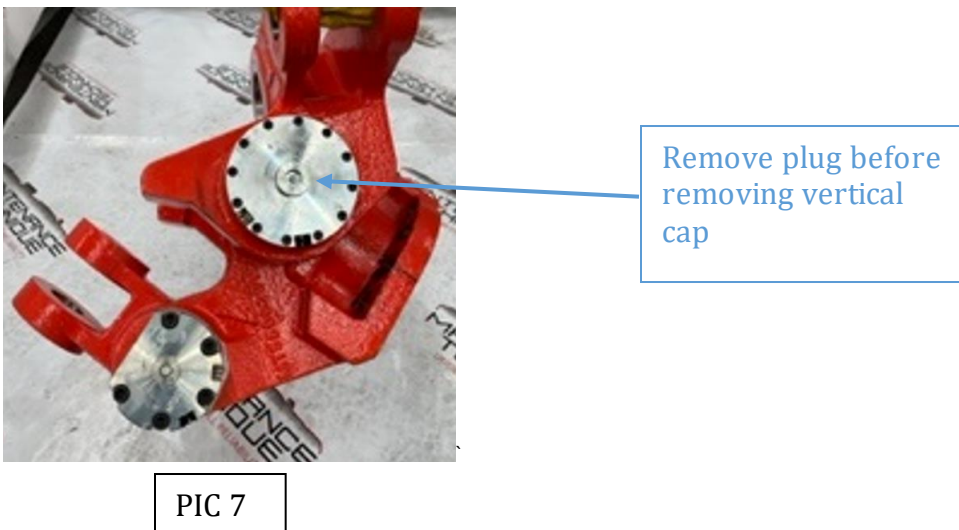


PIC 4

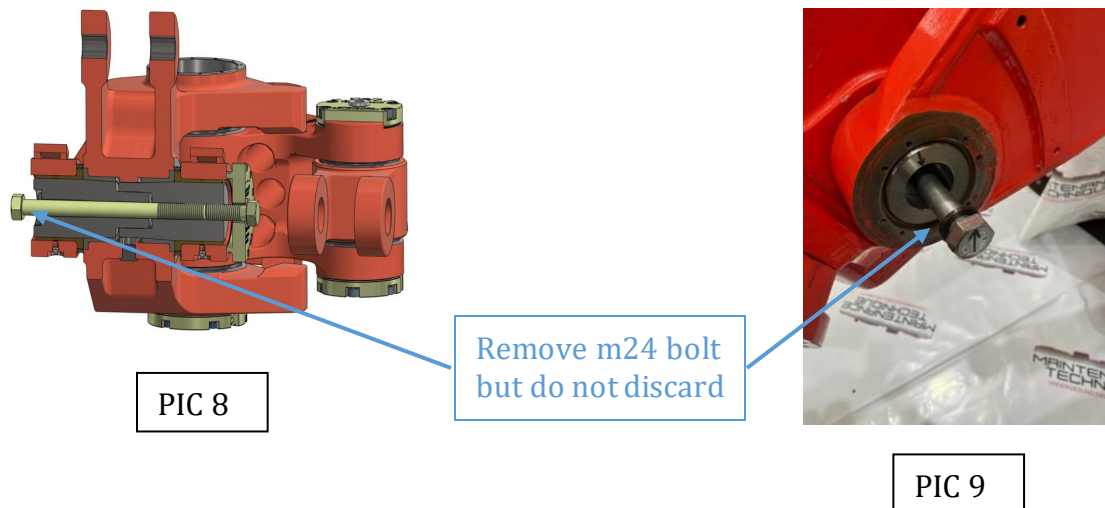
5. Remove both side covers (MT 264 383 681) from the horizontal pin (see pic 5 and 6)



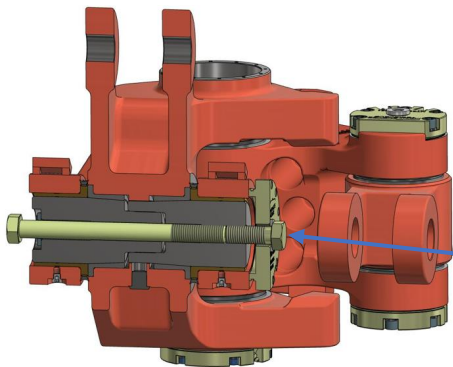
6. Remove centre plug from vertical shaft cover and remove the shaft cover (MT 264 383 680)



7. Using a 36mm socket, remove m24 x 260mm bolt from horizontal pin.



- Using the vertical pin cover plate removed in step 6 as a jacking plate, screw a m24 x 65mm bolt into pin as shown in PIC 10



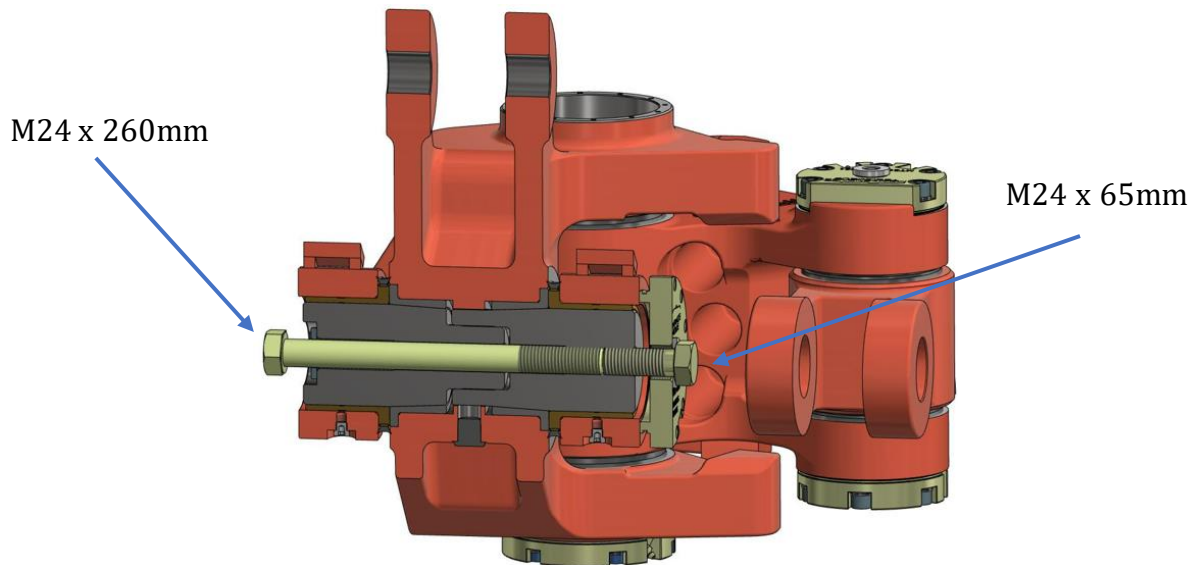
Screw m24 x 65mm bolt into pin and tighten to put tension on pin.

PIC 10



PIC 11

- Screw the m24 x 260mm long bolt back into pin until it bottoms out on the m24 x 65mm bolt as shown in PIC 12



PIC 12

- Strike the head of the m24 x 260mm long bolt until pin releases from taper. See PIC 13
The first half of the pin can now be removed as shown in PIC 14



PIC 13

Striking bolt head
will release pin from
taper



PIC 14

- Using the vertical pin cover again as a jacking plate, install a m30 x 100mm long bolt through the vertical pin cover and tighten until pin is released from taper. See PIC 15



PIC 15

- If tightening the m30 x 100 long jacking bolt does not release the pin from the taper, a suitable drift can be inserted through the DPU to strike against the pin and release the pin from the taper. See PIC 16



PIC 16

13. Remove the pin half.

Note: Take care to ensure the DPU is supported properly by the sling as it is now loose from the inner zoom tube.



PIC 17

14. Swing DPU out from Inner zoom tube and place it into a MT DPU transport box and package unit for return to Maintenance Technique for rebuild / repair.

Note: Place all used pins and bushes removed during the changeout of the DPU into the MT DPU transport box for engineering evaluation during the rebuild process.

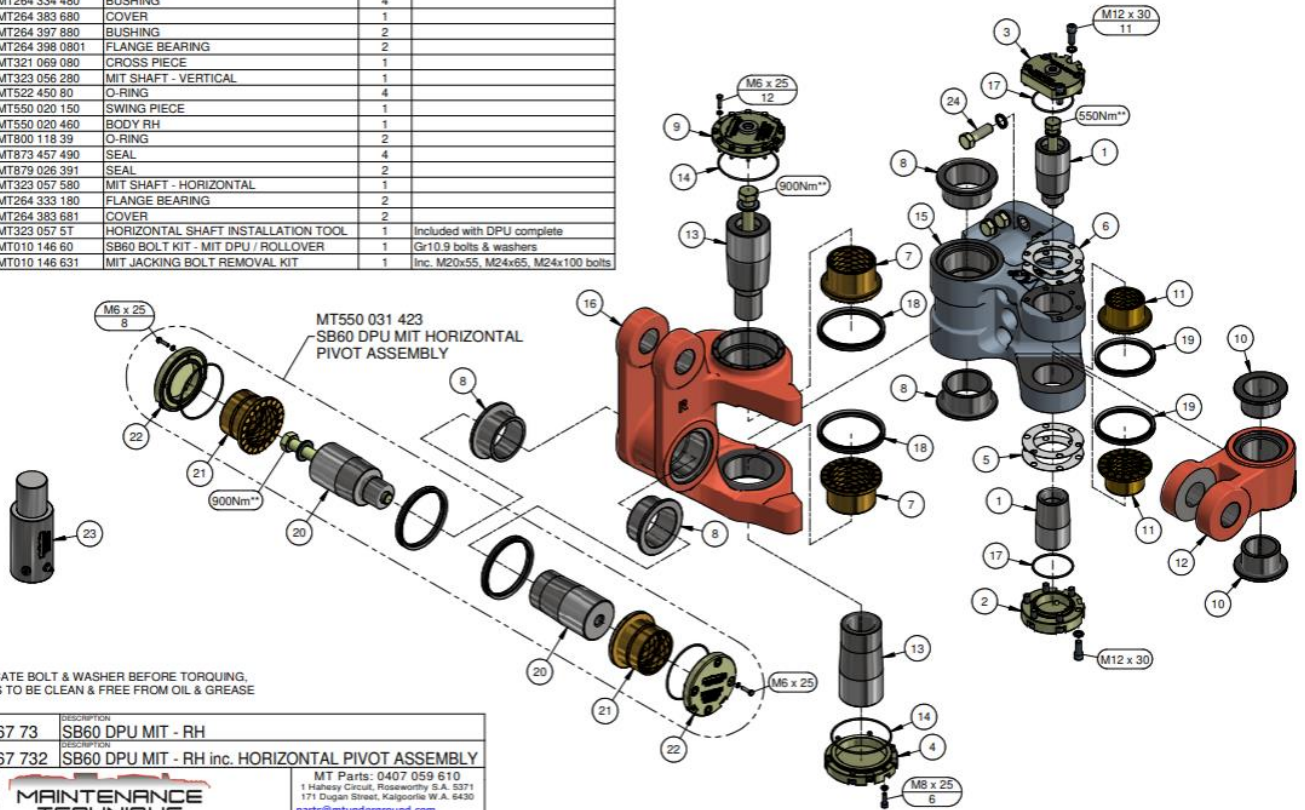


PIC 18



PIC 19

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1	MT207 908 080	MIT SHAFT - SWING	1	
2	MT207 908 580	COVER	1	
3	MT207 908 581	COVER	1	
4	MT207 939 080	COVER	1	
5	MT207 968 080	SHIM	2	
6	MT207 969 380	SHIM	2	
7	MT264 332 980	FLANGE BEARING	2	
8	MT264 334 480	BUSHING	4	
9	MT264 383 680	COVER	1	
10	MT264 397 880	BUSHING	2	
11	MT264 398 0801	FLANGE BEARING	2	
12	MT321 069 080	CROSS PIECE	1	
13	MT323 056 280	MIT SHAFT - VERTICAL	1	
14	MT522 450 80	O-RING	4	
15	MT550 020 150	SWING PIECE	1	
16	MT550 020 460	BODY RH	1	
17	MT800 118 39	O-RING	2	
18	MT873 457 490	SEAL	4	
19	MT879 025 391	SEAL	2	
20	MT323 057 580	MIT SHAFT - HORIZONTAL	1	
21	MT264 333 180	FLANGE BEARING	2	
22	MT264 383 681	COVER	2	
23	MT323 057 51	HORIZONTAL SHAFT INSTALLATION TOOL	1	Included with DPU complete
24	MT010 146 60	SB60 BOLT KIT - MIT DPU / ROLLOVER	1	Gr10.9 bolts & washers
25	MT010 146 631	MIT JACKING BOLT REMOVAL KIT	1	Inc. M20x55, M24x65, M24x100 bolts



PART NUMBER	DESCRIPTION
MT551 567 73	SB60 DPU MIT - RH
MT551 567 732	SB60 DPU MIT - RH inc. HORIZONTAL PIVOT ASSEMBLY

MT Parts: 0407 059 610
 1 Hahsey Circuit, Roseworthy S.A. 5371
 171 Dugan Street, Kalgoorlie W.A. 6430
parts@mtunderground.com
www.mtunderground.com