

NR/SIG/10665/Mod 026		
Point Operating Equipment – HPSS Service A (NR/ROSE/PO-A2/1)		
Issue No. 01	Issue Date: 07/12/13	Compliance Date: 01/03/14

Service A

Remote Condition Monitoring

If the points that you have requested to work on are fitted with Remote Condition Monitoring check that the asset has been placed into maintenance mode prior to commencing work.

Prior to commencing work it is recommended that the previous current traces are made available from the Remote Condition Monitoring system and checked for any abnormalities.

Also on completion of the work it is recommended that new traces are recorded and viewed so they can be compared with the traces produced before the maintenance activity.



Caution

When requesting permission from the signaller to work on a set of points, ask the signaller to operate points in both directions to verify and prevent any confusion on the set of points you have requested.

1.0



Check

When the points are operated, confirm that they operate in a smooth manner within the expected time frame (2.5 – 4 seconds).

Remove the HPSA End Lid.

Isolate the power to the HPSA point machine by operating the crank handle cut-out mechanism.

2.0



Check

When operating the cut-out mechanism, that the indicator flag moves fully to the power off position and is retained by the spring loaded locking pin. Confirmation that the power is isolated shall be carried out using the handset, at which time the status screen will indicate 'Manual'.



Remove all covers within the 4ft. and all sensor covers on the HPSA and the PowerLink Backdrive.

3.0

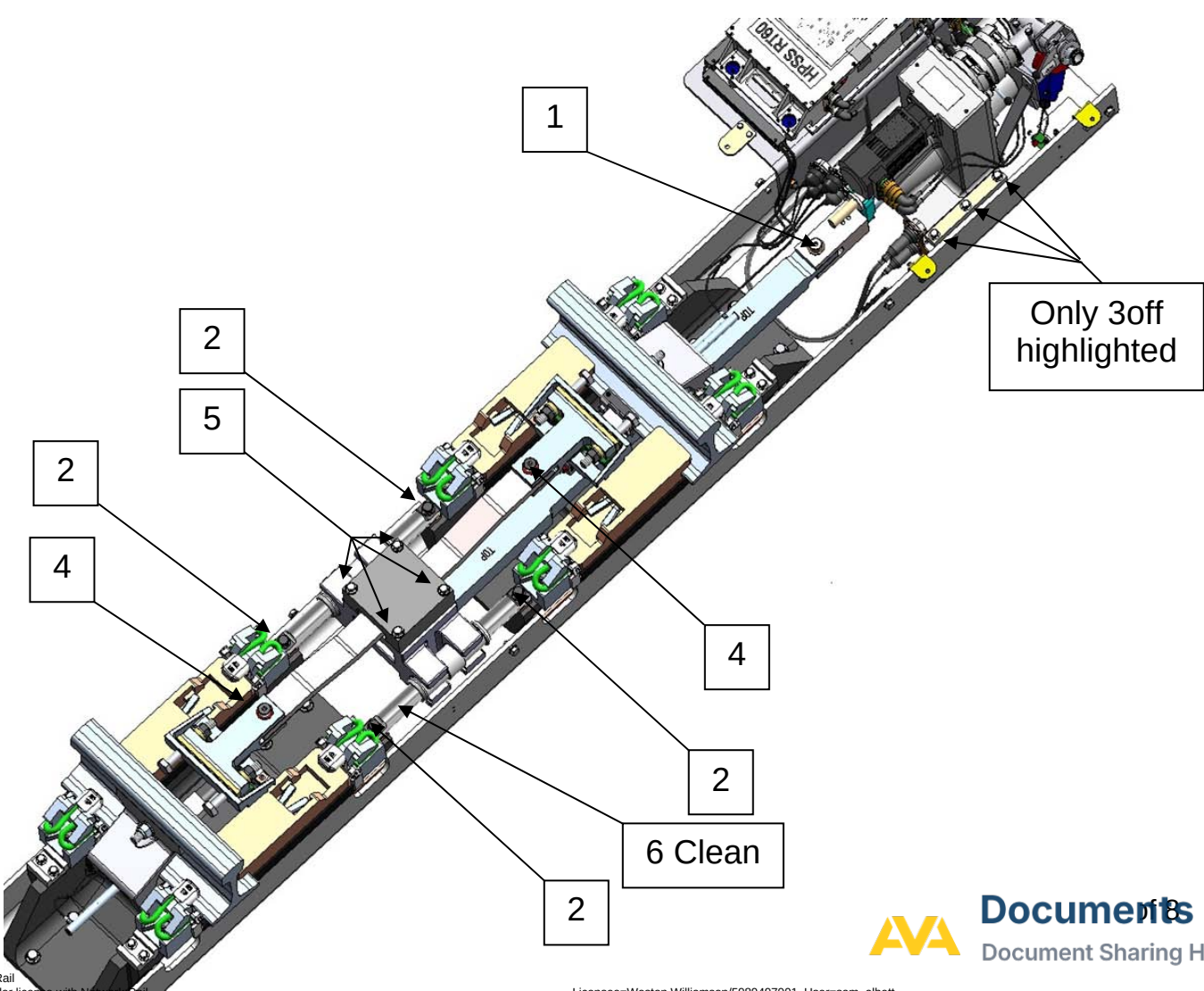
Check

- 3.1

By manual operating the HPSS to opposite side, the security of the cranking mechanism and smooth operation from the 90° gearbox (Low Lid variant only).
- 3.2

The condition of the HPSA Drive and Lock Mechanism, and that all self locking nuts and bolts are present and secure.

No.	Description	Total	Torque (Nm)
1	Drive Shaft Fastener	1of	100 ^(*)
2	Carriage Shaft Fasteners	4of	300
3	Gearbox Fasteners	6of	150
4	Drive Arm Fasteners	2of	(*)
5	Carriage Top Cap Fasteners	4of	150
Special Note			
6	Carriage Shaft and Bushes	2of	Examine and Clean
*Access around the nut is not possible with a Torque Wrench. Fasteners therefore shall be secure but not over-tightened.			



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4.0 Check

- 4.1 That all cables are free from damage - paying particular attention to cables that are at risk of being trapped by the HPSS end lid.
- 4.2 Plug couplers within the HPSS bearer are correctly secured.

