



Work Ir	nstruct	ion	WO No.			
			Date:			
Scope:						
Team Leader: Plunger Lock Type: Signal Bra						
Activity:		Plunger Lock Assembly Like for Like Renewal (incorporating plunger lock contact box)				
Reference	.	PR S 40010, PR S 40011				
Activity	Task	110 40010, 110 40011		Completed		
No.	No.	Work Description		Name/Sign		
		APPARATUS INSPECTION & PREPARATION				
1	1A	Ensure the new plunger lock is of correct type and configuration in a the specific design and compare to the existing plunger lock.	w plunger lock is of correct type and configuration in accordance with sign and compare to the existing plunger lock.			
2	2A	Confirm the Normal position of points.				
	2B	On the existing plunger lock, wire/null count the incoming terminals and links and identify tail cable core numbers on the terminals and specific circuit diagram.				
	2C	Document the disconnections on attached circuit diagram.				
	2D	Conduct an apparatus inspection of the condition of the existing plu arrangements, rodding and associated mechanical equipment. Preprequired.				
		SAFEWORKING & DISCONNECTION FROM INTERLOCKING				
PR		Ensure affected signalling apparatus is booked out of use in accord PR S 40008. Obtain authorisation for any temporary bridging in acc PR S 40002 as necessary.				
	3B	Disconnect the affected signalling apparatus and clip & lock points PR S 40009 Disconnection of Signalling Apparatus.	in accordance with			
	3C	If applicable, apply temporary bridging in accordance with PR S 400 Test bridging and any contacts remaining in circuit as functional.	002.			
		DISCONNECTION, REMOVAL AND INSTALLATION				
		Open links in location for plunger lock tail cable and turn-off air supplunger lock (points air supply).	oly valve to the			
	4B	Disconnect cable and air line in plunger lock, protect ends and with	draw clear.			
	4C	Remove plunger lock assembly and renew any defective fixing mate	erial, rodding, etc.			
5	5A	Install new plunger lock assembly. Lubricate as required.	assembly. Lubricate as required.			
6	6A	Inspect the tail cable and air line for signs of damage. Conduct an in the tail cable and record on circuit diagram.	nsulation test of			
	6B	Connect the cable in accordance with previously correlated circuit of wiring is clear of moving parts. Connect the air line to the plunger loair valve.				
	6C	Ensure the installation is physically correct. Ensure all bolts and nut fastened. Ensure no air leaks.	s are appropriately			
		APPARATUS ADJUSTMENT				
7	7A	Adjust the plunger so it passes through the facing point lock notch i and withdraws clear of the stretcher bar correctly and that the connindication box is correct. Adjust the plunger lock so it engages in the facing point lock plunge of the notch and is located in the centre of the notch for both Norma Ensure full movement of plunger lock motor and lock dog.	ection to the er to the full depth			
	7B	Adjust the plunger lock Normal contacts to be open until the lock is notch by at least 2 mm. Adjust the Reverse contacts to be open until the lock is clear of the				

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		CERTIFICATION				
8	8A	Wire count all termin links to be counted a				
9	9A	Close all associated terminal links in location and remove any temporary bridging (if applicable).				
10	10A	Conduct a Points Co position and open ea Normal detection is I ensure Normal detect Each contact# tested when the points are encapsulated contact				
	10B	position and open ea Reverse detection is ensure Reverse dete Each contact# tested	e the points to the Reverse circuit in turn and ensure ce EOL (if applicable) and be observed to "open" notes not required for site position.)			
	10C	Conduct an Out of Correspondence test of the following combinations and ensure no detection. Note: The following combinations only apply for an existing double-ended layout. A Signal Engineer shall be consulted if the layout consists of more than two ends.				
Out		Operate points to Normal (both ends Normal)				
correspo test for e double-	existing	A end hold Normal	Operate points lever Reverse	B end Reverse		
layout		B end hold Reverse	Operate points lever Normal (ensure NWR is energise	A end ed) Normal		
		Operate points to Reverse (both ends Reverse)				
		A end	Operate points lever	B end		
		hold Reverse	Normal	Normal		
		B end hold Normal	Operate points lever Reverse (ensure RWR is energise	A end ed) Reverse		
11	11A					
12	12A	Arrange for the signaller to check the operation of the points, signals and indications associated with the apparatus. Ensure the plunger lock is secure.				
	12B	Complete the return and applicable point history card.				
	12C	Book affected signalling apparatus back into use.				
	certify	points atave been inspected and tested and are fit for service.				
<u> </u>	Print Name			Position		
-	Signature		Date	Date		