

Work I	nstruc [®]	tion	WO No.	WO No.				
Scope:								
Team Lea	ider:	it Type:						
Activity:		EP Point Air Control Unit Like For Like Renewal						
Reference	ference: PR S 40010, PR S 40011							
Activity No.	Task No.	Work Description	Completed Name/Sign					
		APPARATUS INSPECTION & PREPARATION						
1	1A	Ensure the new control unit is of correct configuration and bench tested. Inspect equipment type and configuration in accordance with the specific design and compare to the existing control unit.						
	1B	Bell test and wire/null count internal wiring of the new control specific circuit design and existing control unit. Include a corr and bridges to the circuit book. Visually inspect and insulatic						
2	2A	Confirm the Normal position of points.						
	2B							
	2C	On the existing control unit, wire/null count the incoming term and links and identify tail cable core numbers on the termina specific circuit diagram. Identification of tail cable core numb connection is plug coupled (E/ES units).						
	2D	Document the disconnections on attached circuit diagram. (Not required for plug coupled connections)	ument the disconnections on attached circuit diagram.					
	2E	Conduct an apparatus inspection of the condition of the exist mounting/fixings and air lines. Prepare to replace as require	ting control unit d.					
		SAFEWORKING & DISCONNECTION FROM INTERLOCKING						
3	3A	Ensure affected signalling apparatus is booked out of use in 40008. Obtain authorisation for any temporary bridging in ac 40002 as necessary.						
	3B	Disconnect the affected signalling apparatus and clip & lock PR S 40009 – Disconnection of Signalling Apparatus.	points in accordance with					
	3C	If applicable, apply temporary bridging in accordance with PI	R S 40002.					
	L	Test bridging and any contacts remaining in circuit as function	onal.					
		DISCONNECTION, REMOVAL AND INSTALLATION						
4	4A	Open links in location for point tail cable(s) and turn off air su (points air supply).	upply valve to control unit					
	4B	Disconnect cable(s) air hoses in control unit (if applicable), p clear.	protect ends and withdraw					
	4C	Remove control unit.						
5	5A	Install new control unit. Check/fill the oil level in the lubricator flow rate as required.	r (if applicable), adjust the					
6	6A	Inspect the cable(s) and air hoses for any signs of damage. Conduct an insulation test of the tail cable(s) and record on (required for plug coupled connections).						
	6B	Connect all cables and air hoses in accordance with previous diagram.	sly correlated circuit					
	6C	Conduct an apparatus inspection to ensure the installation is bolts, hoses, nuts and unions should be tight) including inspe- hoses for damage. Ensure any orifice plates correctly install	physically correct (all ection of cables and ed.					

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		ADJUSTMI						
7	7A	Reopen the operation in						
	7B	Make any a						
		CERTIFICA						
8	8A	Wire count links to be o (Not require						
9	9A	Close all as applicable).						
10*	10A*	 10A* Conduct a Points Correspondence Test Normal - Operate points to the Normal position and open each contact in the Normal detection circuit in turn (including the E unit plug coupler and the spool position micro-switch if applicable) and ensure Normal detection is lost and restored. Remove and replace EOL (if applicable) and ensure Normal detection is lost and restored. Each contact[#] tested during the correspondence test shall be observed to "open" when the points are operated to the Reverse position. (# denotes not required for encansulated contacts which are back-proved in the opnosite position.) 						
	 10B* Conduct a Points Correspondence Test Reverse - Operate the points to the Reverse position and open each contact in the Reverse detection circuit in turn (including the E unit plug coupler and the spool position micro-switch if applicable) and ensure Reverse detection is lost and restored. Remove and replace EOL (if applicable) and ensure Reverse detection is lost and restored. Each contact[#] tested during the correspondence test shall be observed to "open" when the points are operated to the Normal position. (# denotes not required for encounter which are back proved in the opposite position.) 							
	10C*	Conduct an Out of Correspondence test of the following combinations and ansure 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	of	Operate points to Normal (both ends Normal)						
correspondence		A end Operate points lever B en			B end			
double-	ended	hold Normal		Reverse		Reverse		
layo	layout		B end Operate points lever A end					
		hold Reverse Normal (ensure NWR is energised) Normal						
		Operate points to Reverse (both ends Reverse)						
		A end		Operate points lever		B end		
		P and	Inormal Normal Norma		Normal			
		hold Nor	mal	Operate points lever A end		Reverse		
10D		Function each pressure switch in detector circuit by operating points Normal and removi Reverse and removing air					ng air, then	
control u	nits are	Position	Remo	ove Air	Detection Lost			
fitted	with	Normal						
pressure		Reverse						
11	11A	Arrange for the signaller to check the operation of the points, and associated signalling apparatus. Ensure the control unit is secure.						
11B Book affected signalling apparatus back into use.								
I certify points at location have been inspected and tested and are fit for service.								
F	Print Name Position							
Signature Date								

*Applicable where air control units incorporate detection circuitry.