



INSTRUCTION TO SERVICE

ITS: 59258		May 24,2021
SECTION:	284-ELECTRICAL PANELS (SC,RR,ED)	
WRITTEN BY:	Curtis Matthews	
SUBJECT:	Upgrade DICO speed signal pull down resistor on SR-2475, 2506, 2517, and 2518.	
ISSUE:	1000 Kohm 0.5 watt pull down resistor for DICO speed signal to Trapeze gets very hot. Temperature of resistor has been recorded to reach up to 240 deg F.	
SUMMARY:	DICO speed signal pull down resistor is only rated for 0.5 watts, but actual power across the resistor in this application exceeds 0.8 watts. 0.5 watt resistor is not designed for this application and must be upgraded to a 1 watt power rating.	

ITS59258

THIS ITS DOCUMENT SHOULD BE RETAINED AND REFERRED TO FOR FUTURE MAINTENANCE UNTIL THE NEW FLYER PARTS AND/OR SERVICE MANUAL IS UPDATED TO REFLECT WORK DONE AS A RESULT OF THIS DOCUMENT. ENSURE THAT THIS DOCUMENT IS AVAILABLE FOR PARTS AND MAINTENANCE STAFF GOING FORWARD.

SR-2475 PROCEDURE:

1. Turn the main battery disconnect switch to the "OFF" position.
2. Gain access to the rear facing side of the SDS cabinet.
3. Remove and replace pull down resistor with PN: (192210) and torque resistor connection on terminal block at XSDS1-8 and XSDS1-10 to 10.6 in-lbs as indicated in figure 1.

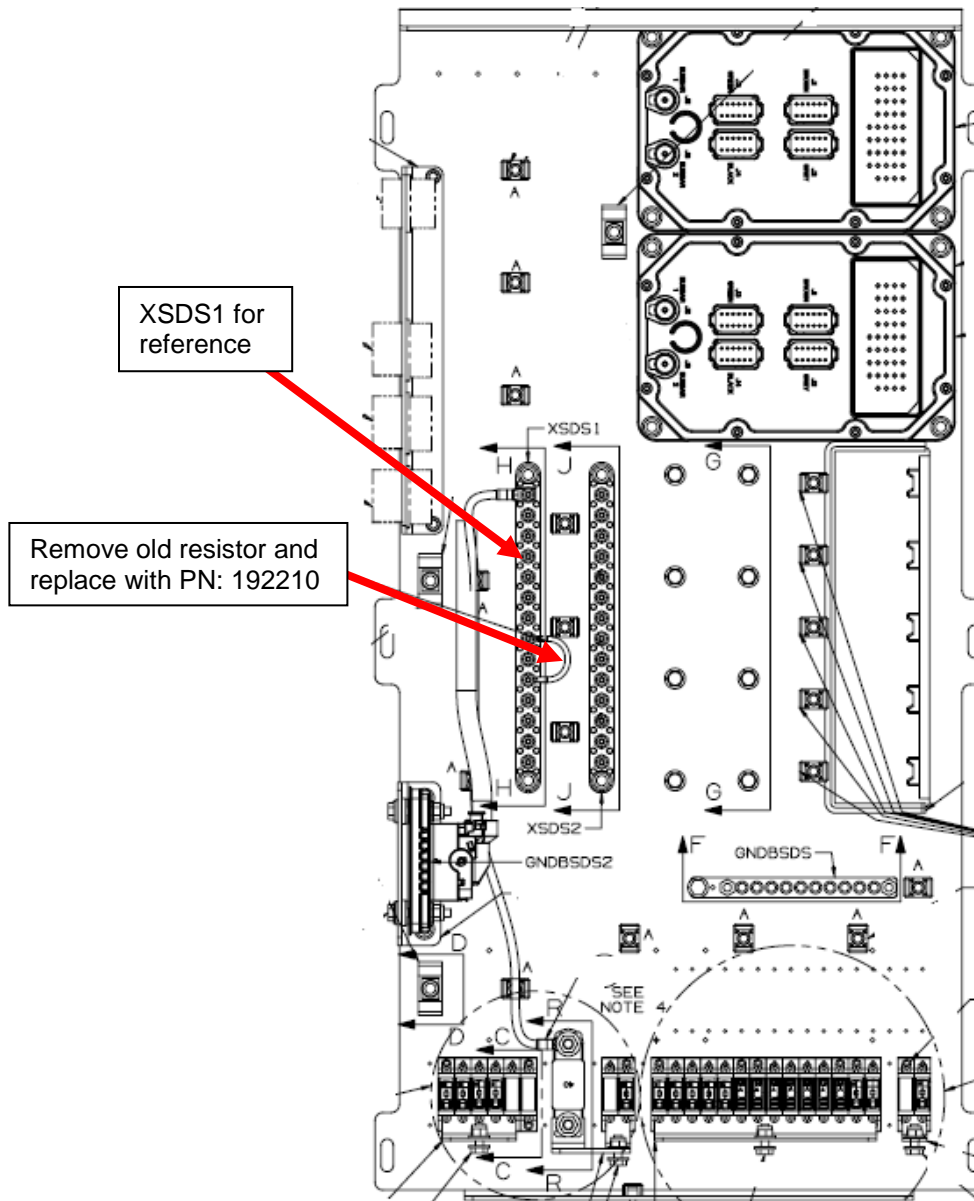


Figure 1: Rear facing side of SDS compartment.

4. Remove all tools and debris and return the bus to service condition.
5. Turn the main battery disconnect switch to the "ON" position.

SR-2506 PROCEDURE:

6. Turn the main battery disconnect switch to the "OFF" position.
7. Gain access to the rear facing side of the SDS cabinet.
8. Remove and replace pull down resistor with PN: (192210) and torque resistor connection on terminal block at XSDS3-4 and XSDS3-6 to 10.6 in-lbs as indicated in figure 2.

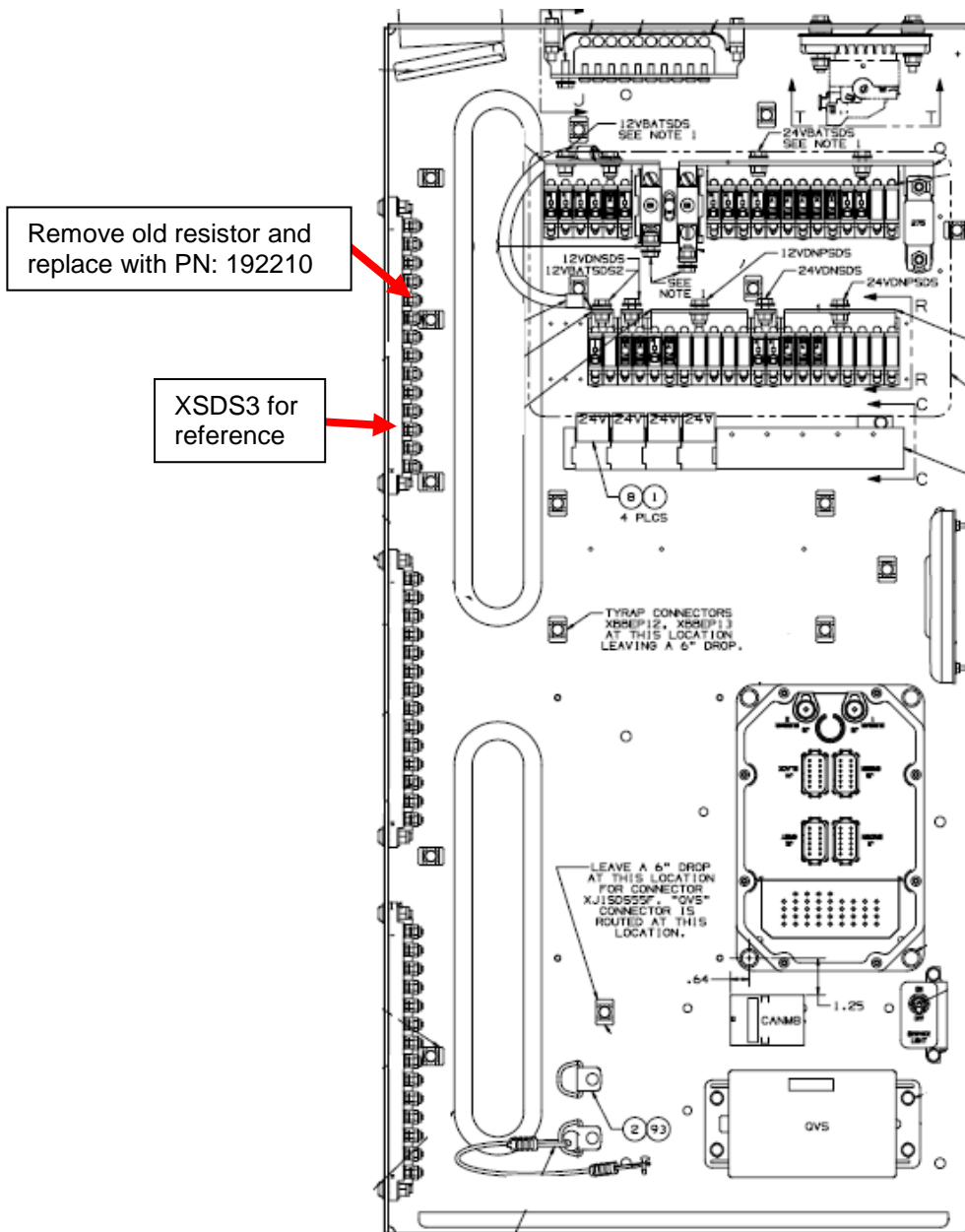


Figure 2: Rear facing side of SDS compartment.

9. Remove all tools and debris and return the bus to service condition.
10. Turn the main battery disconnect switch to the "ON" position.

SR-2517 PROCEDURE:

11. Turn the main battery disconnect switch to the "OFF" position.
12. Gain access to the rear facing side of the SDS cabinet.
13. Remove and replace pull down resistor with PN: (192210) and torque resistor connection on terminal block at XSDS2-1 and XSDS2-3 to 10.6 in-lbs as indicated in figure 3.

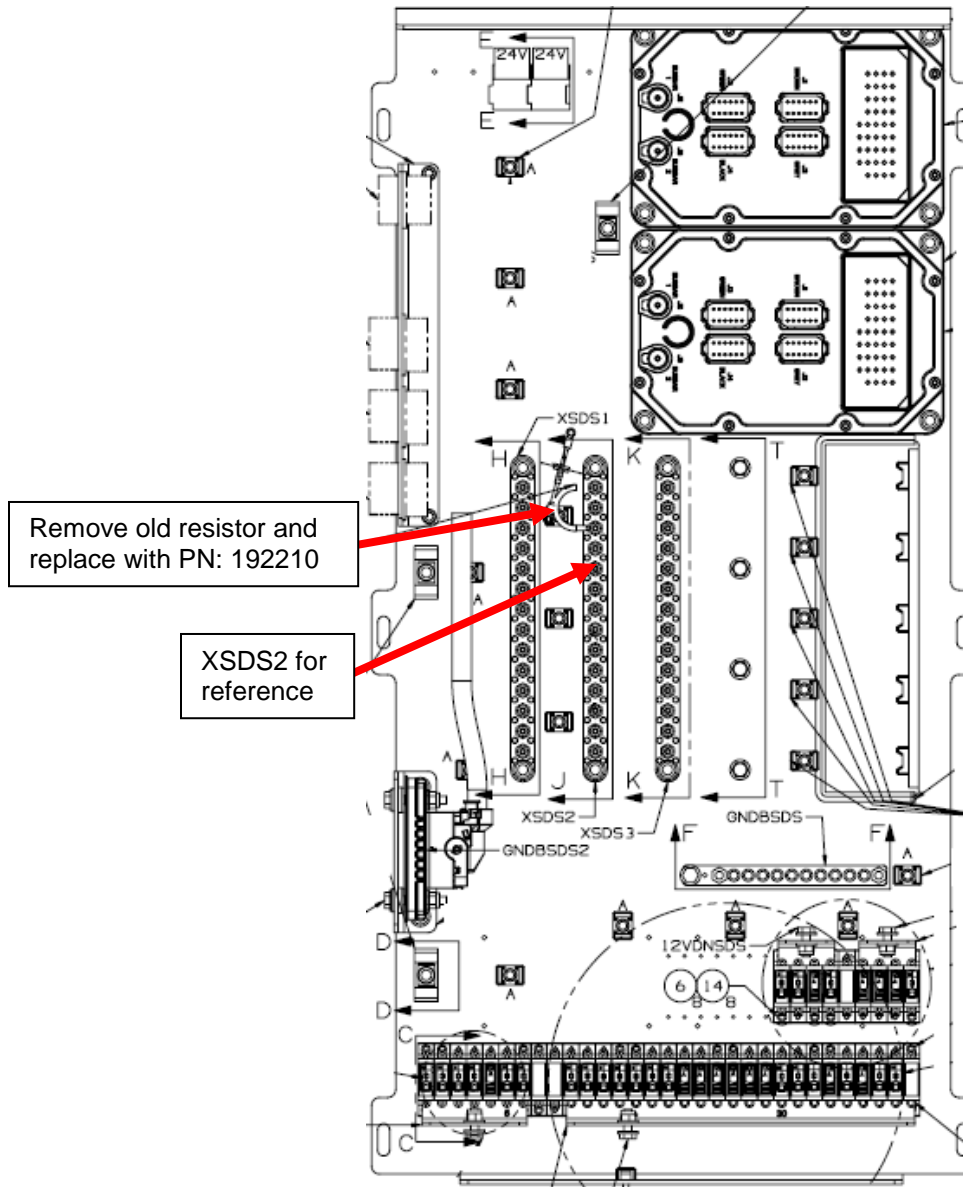


Figure 3: Rear facing side of SDS compartment.

14. Remove all tools and debris and return the bus to service condition.
15. Turn the main battery disconnect switch to the "ON" position.

SR-2518 PROCEDURE:

16. Turn the main battery disconnect switch to the "OFF" position.
17. Gain access to the rear facing side of the SDS cabinet.
18. Remove and replace pull down resistor with PN: (192210) and torque resistor connection on terminal block at XSDS1-8 and XSDS1-10 to 10.6 in-lbs as indicated in figure 4.

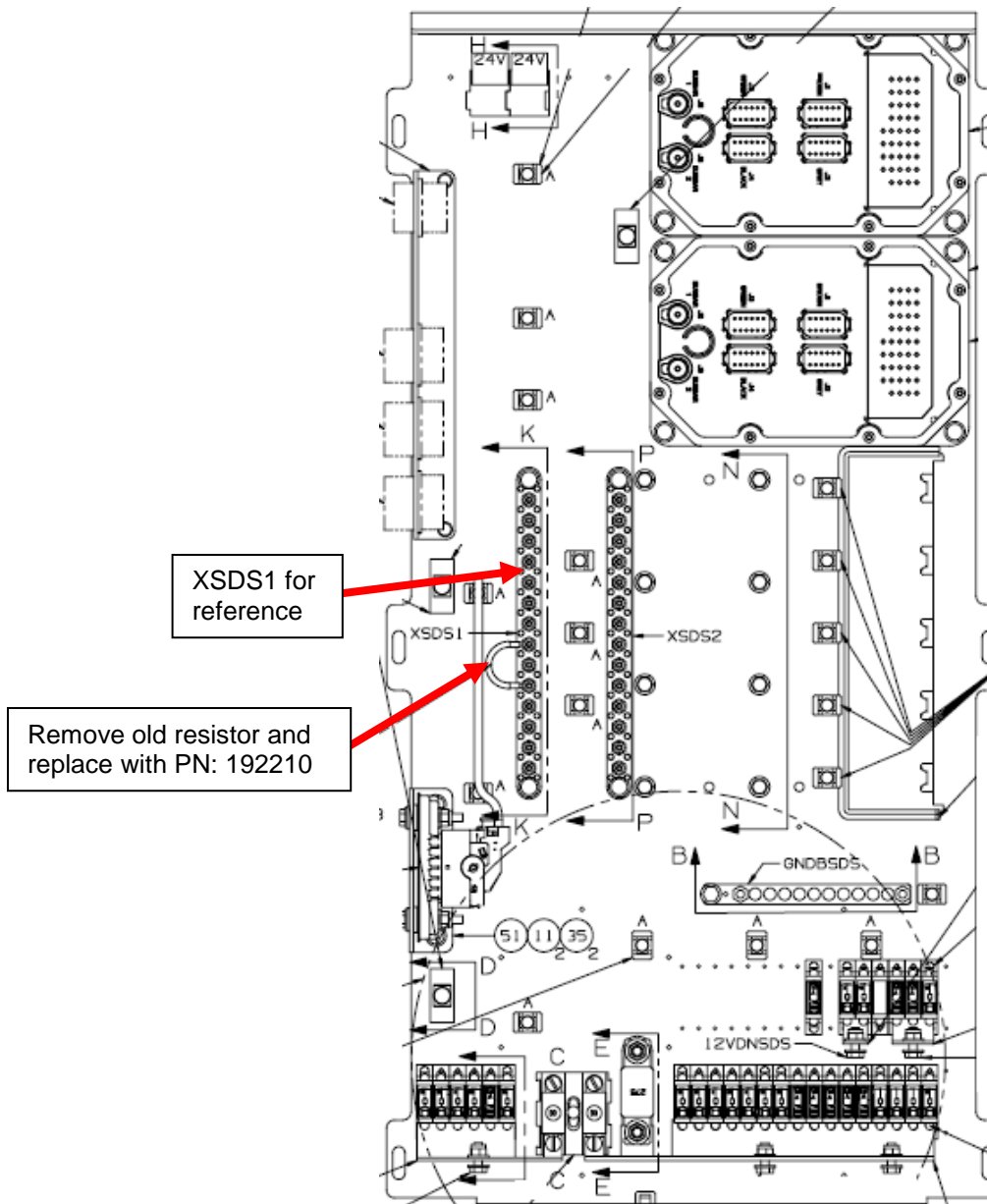


Figure 4: Rear facing side of SDS compartment.

19. Remove all tools and debris and return the bus to service condition.
20. Turn the main battery disconnect switch to the "ON" position.



LABOUR ESTIMATE				
	Operation	Number of Technician(s)	Hours	Labor Time T X HR
1	Upgrade DICO speed signal pull down resistor.	1	0.5	0.5

PARTS REQUIRED					
Item	Part Number	Description	Qty. per Coach	Units	Notes
1	192210	ASSY-RESISTOR 1K OHM 1W	1	EA	