

### 03.121 TCCS Fan Dampener Assembly Rate Change

(03. HSS)

#### OBJECTIVE:

To modify the airflow rate of the Fan Dampener Assembly (FDA) on the Trace Contaminant Control Subassembly (TCCS) panel.

#### EQUIPMENT:

PPE safety glasses  
PPE Kobalt work gloves  
PPE static wrist tether  
Orange caution cone

#### NOTE

The TCCS Fan Dampener Assembly (FDA) has variable speeds. It can be used to increase or decrease air flow throughout the Environmental Control and Life Support System (ECLSS) during nominal and off-nominal operations.

L1D Subf

#### 1. MODIFY TCCS FDA AIRFLOW RATE

- 1.1 Don PPE gloves and safety glasses
- 1.2 Remove floor panel 1D by lifting and sliding and temp stow.
- 1.3 Place orange caution cones next to the open work area L1D subfloor to warn other crew members.
- 1.4 Don static wrist tether and attach to any unpainted metallic surface.
- 1.5 Go to the HSS Parameters tab and verify airflow rate change for Aux Cabin Fan 1 (2) (see Figure 1).



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**Figure 1:** HSS Parameter display



**Figure 2.** Fan Dampener Assembly (FDA) Pump

- 1.6 Based on need, turn FDA Pump Power Dial counterclockwise to “increase” or clockwise to “decrease” airflow (see Figure 2).
- 1.7 Slide floor panel 1D back in place and safely latch.
- 1.8 Doff gloves, glasses, and stow all equipment including orange caution cone.