NORTHROP GRUMMAN

SERVICE BULLETIN	
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eDrive 28V Power Supply Set to 24V

Summary

This technical note describes adjusting the eDrive 28V Power Supply to 24V.

Scope

This technical note applies Gigashot Mini 4U eDrives.

Materials and Equipment

- Insulated flathead screwdriver
- eDrive
- 85-044-10, Cable 26 pin interlock loopback (if running the eDrive without connecting the cable to the laser)
- Voltage Meter

Contact NGCEO for assistance in obtaining any of these items.

24V Adjustment Instructions

1. Turn off the eDrive.
2. Remove the top cover of the eDrive.

   WARNING: Removal of the top cover may expose high voltage wires so use caution when operating the eDrive.
3. Restart the eDrive.
4. Measure the voltage at the Expansion Module J14 as shown in Figure 1.
5. Using an insulated flat head screwdriver, turn the trim pot on the power supply to obtain 24V. (Note: Monitor the laser output; stop decreasing the voltage if the laser output power drops.) The trim pot is accessible through the air ventilation screen on the back of the eDriveTM as shown in Figure 1-2 below.

Figure 1

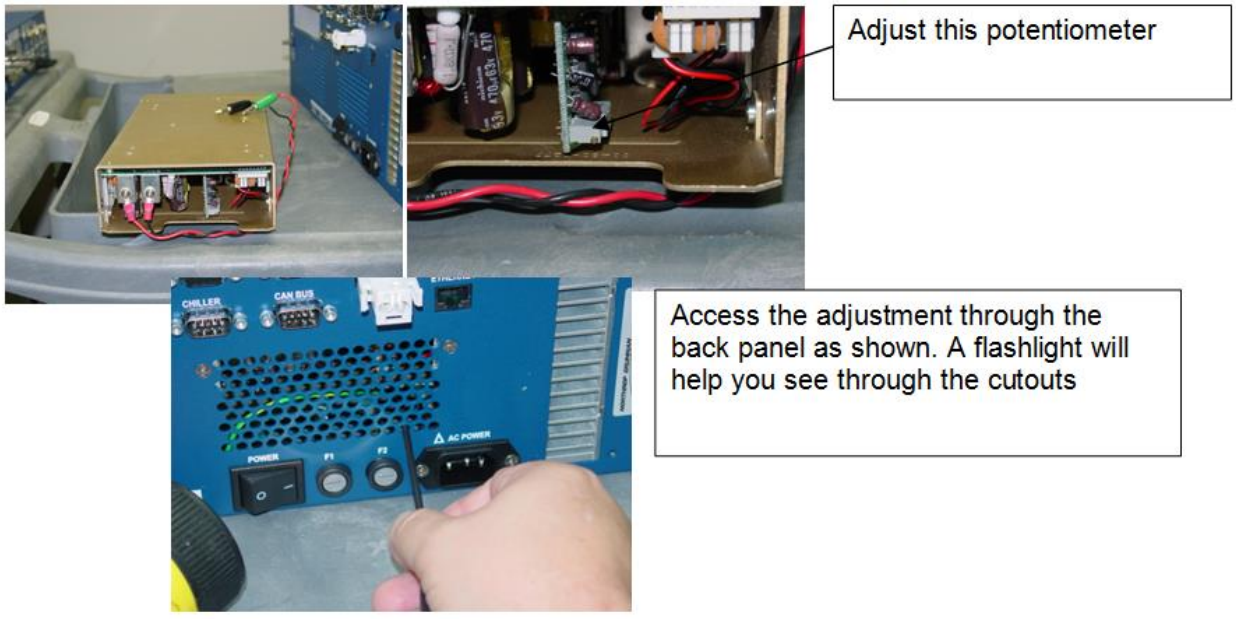

Figure 2

6. Replace the cover on the eDrive.