

## SERVICE BULLETIN

**NORTHROP GRUMMAN**

Note No.	SVC-FSB-0053
Release Date	04/30/2018
Contact	ngceoservice@ngc.com

# Error Code 0806 Troubleshooting

## Purpose

This bulletin serves as an instruction guide for troubleshooting the error code 0806 on the 4U eDrive.

## Scope

This technical note applies to the 4U eDrive with internal TEC controller.

If the eDrive does not have an internal TEC controller, then setting RS2132 Ch 0 to Oven TEC will also cause the 0806 error. Clear the memory and reset the operating parameters.

## Safety Warnings



**CAUTION.** Electrical shock hazard. Before servicing the eDrive, make sure that the AC power cord and external power supplies are disconnected. Damage to personnel may result, including death. Damage to equipment may result.



**ESD: HANDLE APPROPRIATELY.**

## Tools and Equipment

- Phillips® Screwdriver
- Flat Screwdriver
- DC Volt Meter

## Procedure

1. Power down the eDrive and unplug from power source.
2. Using a Phillips® screwdriver, remove the 22 screws from the top cover.
3. Gently lift the cover off of the top of the driver and set aside.
4. Locate the System Controller and verify that the communication cable (purple/black/white) is connected. See **Figure 1** for details.

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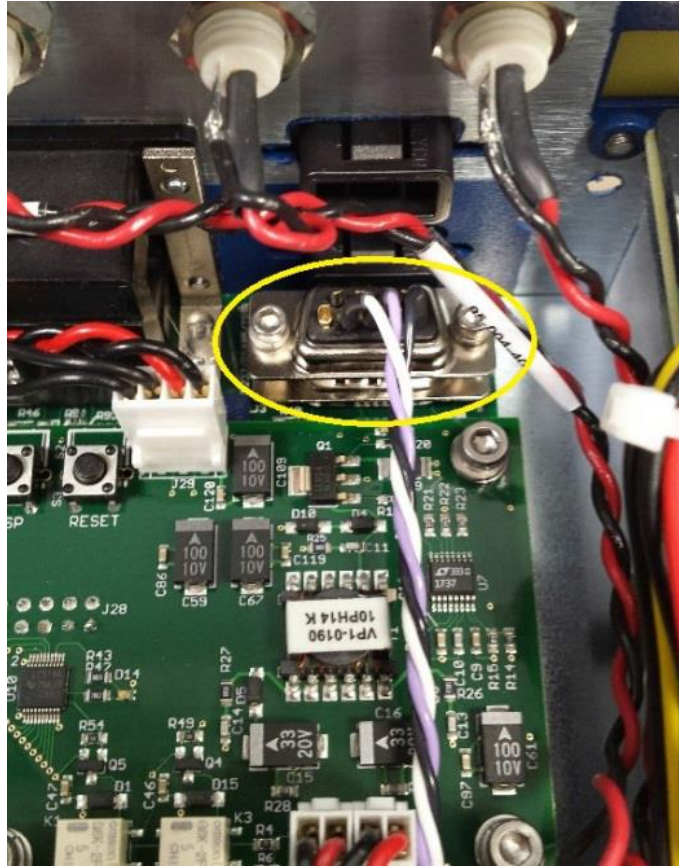


Figure 1

5. Locate the TEC board (circled in red in **Figure 2**). Use a flat screwdriver to ensure that the three connections in yellow are good and tight.

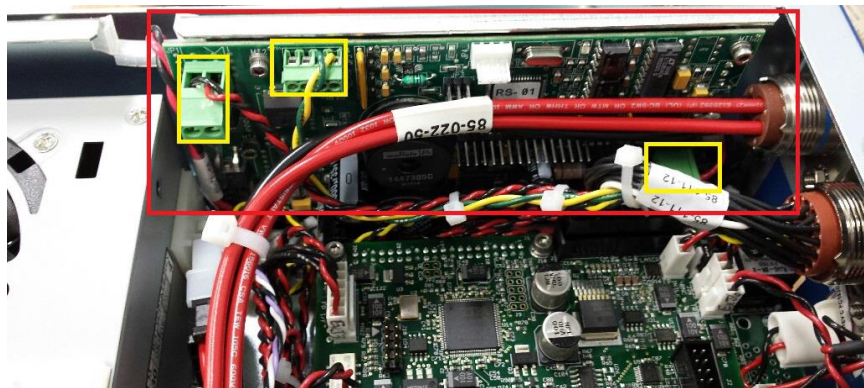


Figure 2

6. Turn on the eDrive. Use caution as there is current and voltage present.

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7. Check for 28 V DC on **J17** on the Expansion Module. This will verify that the 28 V Power Supply is functional. See **Figure 3** for location and test points.

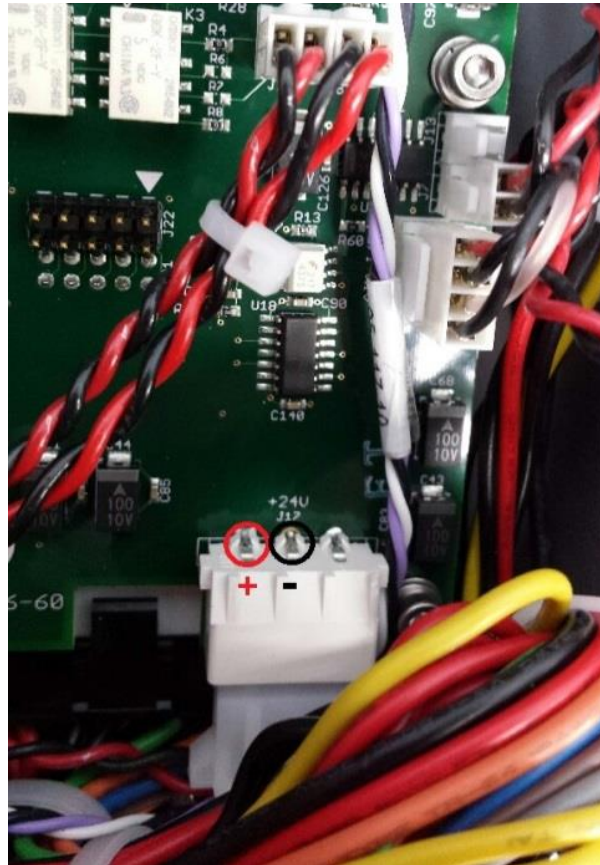


Figure 3

8. If all connections are good and there are 28 volts present, the TEC board has failed. The most common failure on the TEC board is the Communications Crystal. The Service Bulletin *Internal TEC Controller Crystal Replacement* (SVC-FSB-0022) can be found on the Knowledge Center. This Service Bulletin gives instruction on how to replace this crystal.
9. If 28 V is not present, then turn the eDrive over and remove the bottom cover. Reseat the power connection to the LPS255 power supply.

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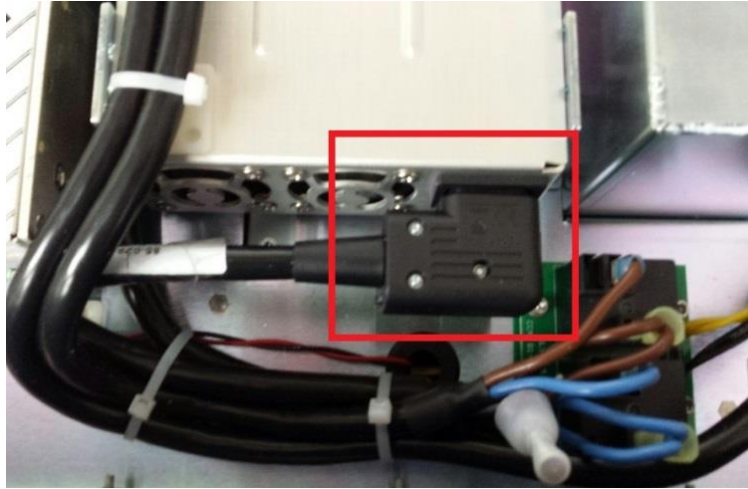


Figure 4. LPS255 28 V Power Supply

10. After reseating the LPS255 power connection, retest the 28 V at the Expansion Module. If 28 V is not present, then replace the LPS255 power supply.