



# **RECALL**

## **R26DY – Electric Vehicles May Shut Down**

**Models Affected: Certain Model Year 2019 – 2027 Blue Bird Vision (BBCV) and All American (T3RE) School Buses and Non-School Buses equipped with any electric powertrain**

**Issue:** Critical safety systems rely on unswitched sources of 12 volt energy. There are a number of connection points that could become unsecure and create an unsafe condition.

**Corrective Action:**

1. Replace both DCM pass through studs & nuts on the firewall on CV platforms.
2. Inspect all defined connection points and torque to defined values.

**Component Code:**

- 50-100-109

**SRTs:**

- Repair A: R26DY Repair (BBCV Core 1) - 2.0 Hours (120 Minutes)
- Repair B: R26DY Repair (BBCV Core 2) - 1.0 Hours (60 Minutes)
- Repair C: R26DY Repair (T3RE Core 1) - 1.5 Hours (90 Minutes)
- Repair D: R26DY Repair (T3RE Core 2) - 0.5 Hours (30 Minutes)

***WARNING: Always follow all Federal, State, Local and Shop safety standards and use proper safety equipment, and thoroughly read and understand all instructions before performing these procedures.***

***Park bus on level surface, apply parking brake, turn off ignition key, disconnect 12v battery and chock wheels.***



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**Parts:**

Model / System	Part Number	Description	Quantity
All	00058153	STUD, ELECT PASSTHROUGH, 3/8 BLACK	1
All	00058154	STUD, ELECT PASSTHROUGH, 3/8 RED	1
All	01464536	NUT, BATTERY CABLE, .375 STUD	As Required
BBCV & T3RE / Core 1 (To 5/24/2022)	10075021	MODULE, PDU, BPDA FOR EV COREII	1
BBCV & T3RE / Core 1 (To 5/24/2022)	01667773	CAPSCREW, HEX HD, 1/4-20X1 1/4, GR5, YEL ZNDICH	3
BBCV & T3RE / Core 1 (To 5/24/2022)	01247709	WASHER, FLAT, .2656 ID X .625 OD, YEL ZNDICH	6
BBCV & T3RE / Core 1 (To 5/24/2022)	02001345	NUT, HEX HD, .25-20, LOCKING, YEL ZNDICH	3
BBCV & T3RE / Core 2 (To 08/2024)	10064105	SWITCH, DISCONNECT, BATTERY POWER	As Required
BBCV & T3RE / Core 2 (From 08/2024)	10080635	SWITCH, DISCONNECT, BATTERY POWER	As Required

**Tools:**

General Hand Tools
Inch-Pound torque Wrench
Foot-Pound torque Wrench

**Torque Legend**

- 180 in-lbs. (20.34 Nm)
- 140 in-lbs. (15.82 Nm)
- 120 in-lbs. (13.56 Nm)
- 80 in-lbs. (9.0 Nm)
- 75 in-lbs. (8.5 Nm)
- 40 in-lbs. (4.52 Nm)



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### **CV Core 2:**

1. Remove negative battery cable from 12v Battery bank and secure.
2. Replace both positive and negative DCM pass through studs. (See Figure 1 & 2)
3. Service locations highlighted in Figures 4 - 7. Any connections/components found to have any thermal stress MUST be replaced.
4. Clean/prep connection(s) per Figure 3, and torque per legend on Page 2.

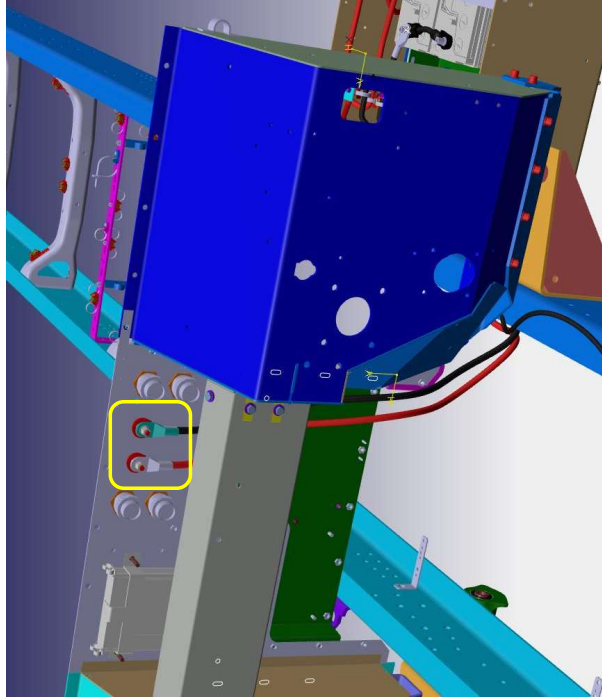


Figure 1

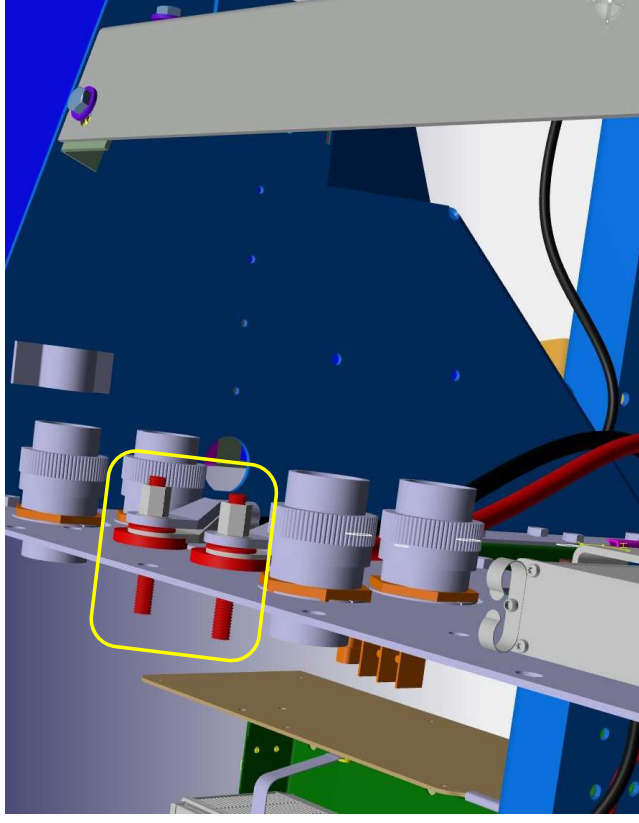


Figure 2



# RECALL

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CV Core 2 cont'd:



Figure 3



# **RECALL**

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CV Core 2 cont'd:

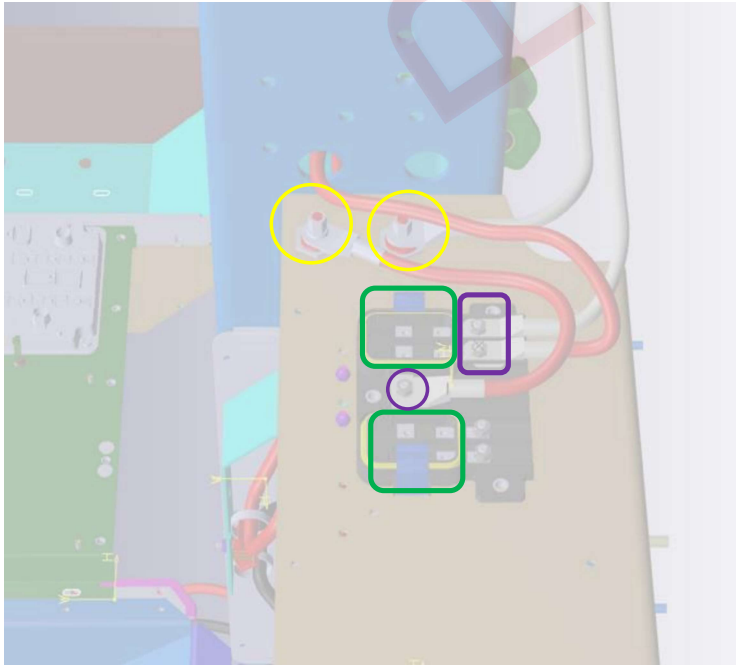


Figure 4

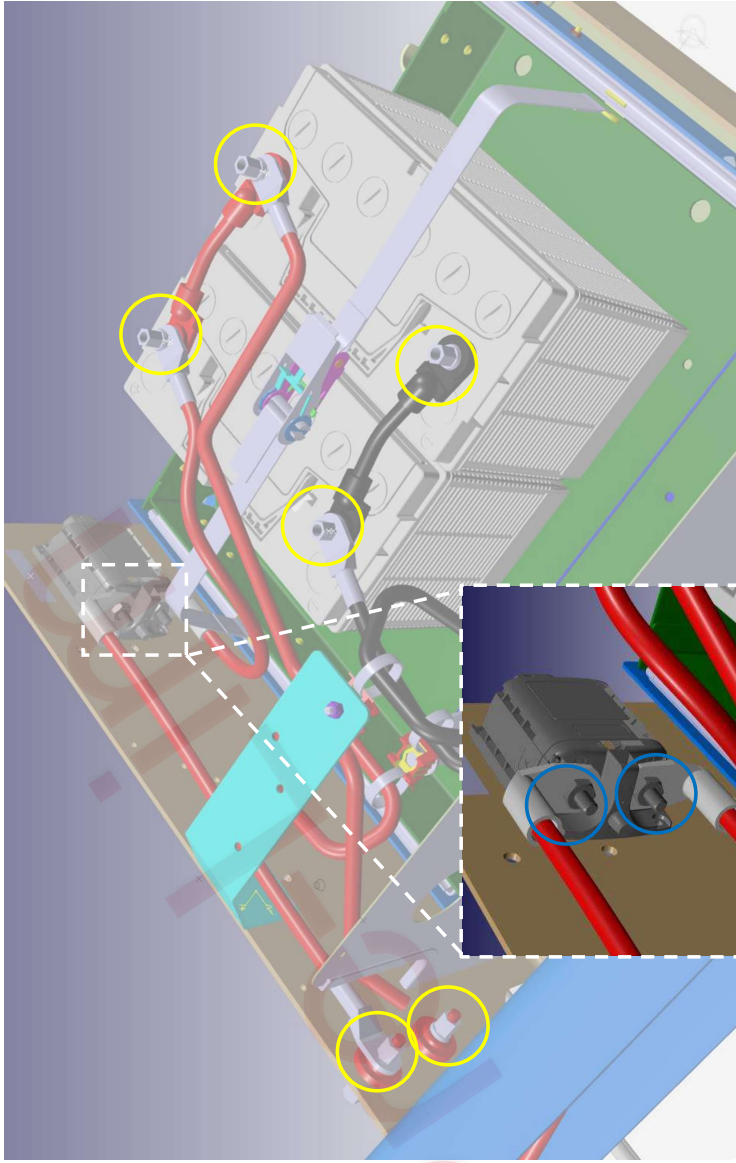


Figure 5



# **RECALL**

**R26DY – Electric Vehicles May Shut Down**

**CV Core 2 cont'd:**

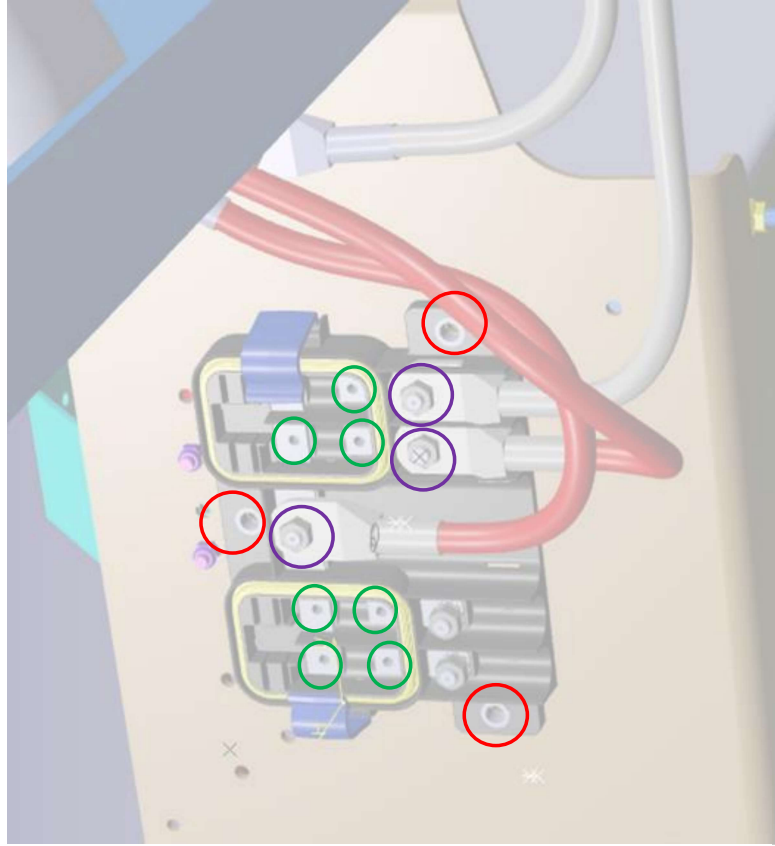


Figure 6



Figure 7



# **RECALL**

## **R26DY – Electric Vehicles May Shut Down**

### **T3 Core 2:**

1. Remove negative battery cable from 12v Battery bank and secure.
2. Service locations highlighted in Figures 8 - 12. Any connections/components found to have any thermal stress MUST be replaced.
3. Clean/prep connection(s) per Figure 3, and torque per legend on Page 2.

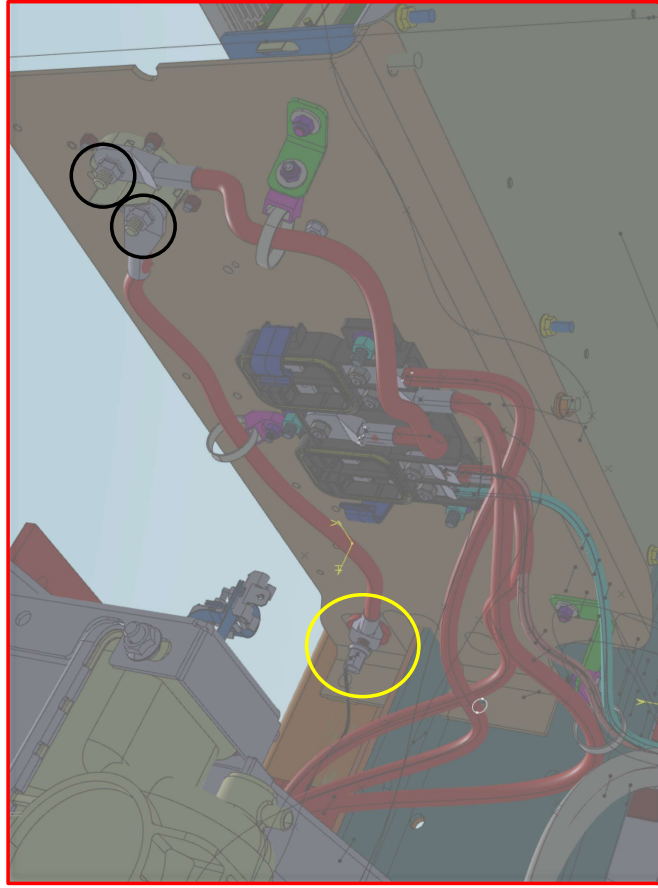


Figure 8

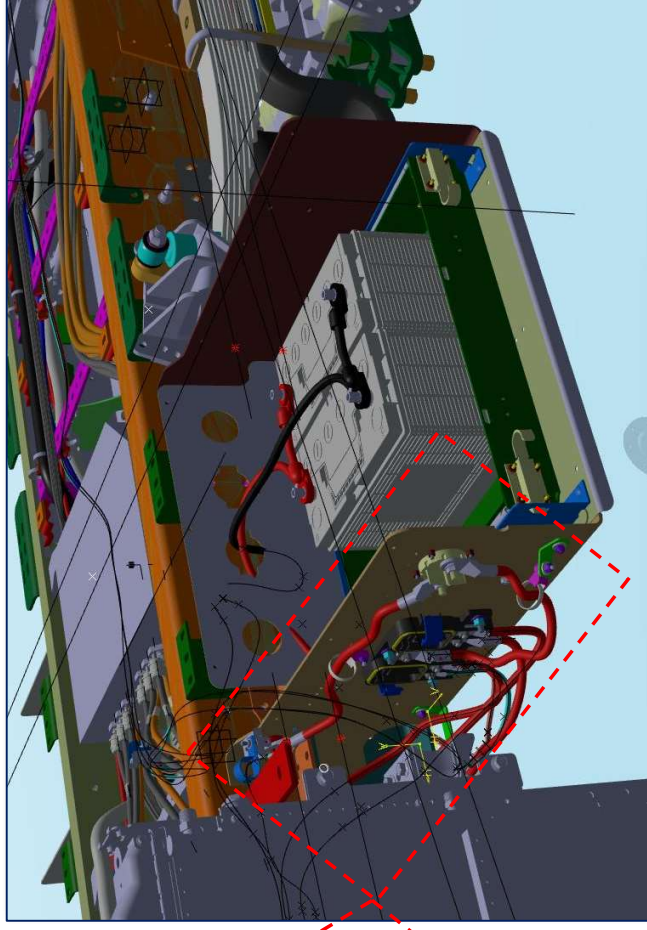


Figure 9



# **RECALL**

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T3 Core 2 cont'd:

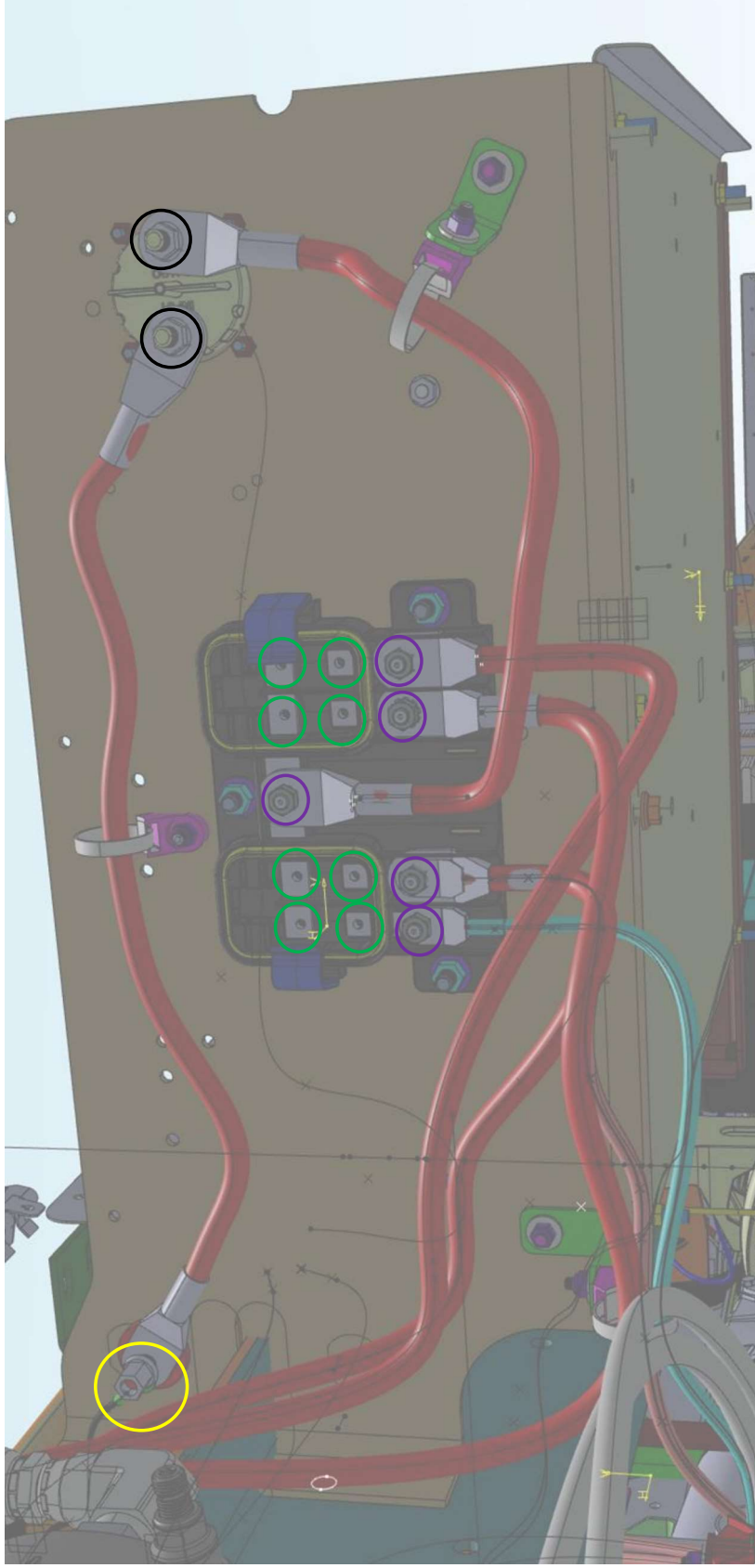


Figure 10



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T3 Core 2 cont'd:

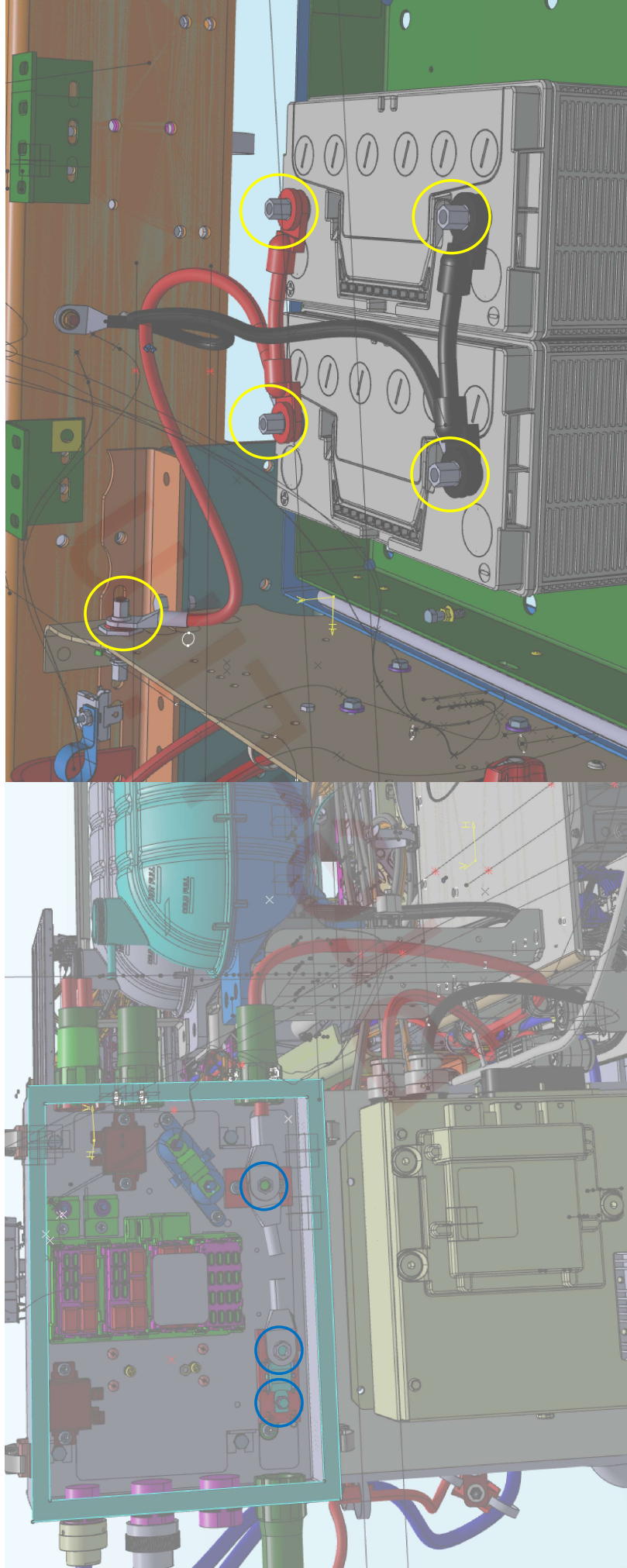


Figure 11

Figure 12



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## **T3 & CV BPDA Upfit - Core 1 to Core 2**

1. Remove battery negative cable and secure.
2. Remove all chassis cables from original BPDA and prep per Figure 3
3. Remove BPDA assy and install new BPDA per Figure 12
4. Torque connections on new BPDA per Figure 6

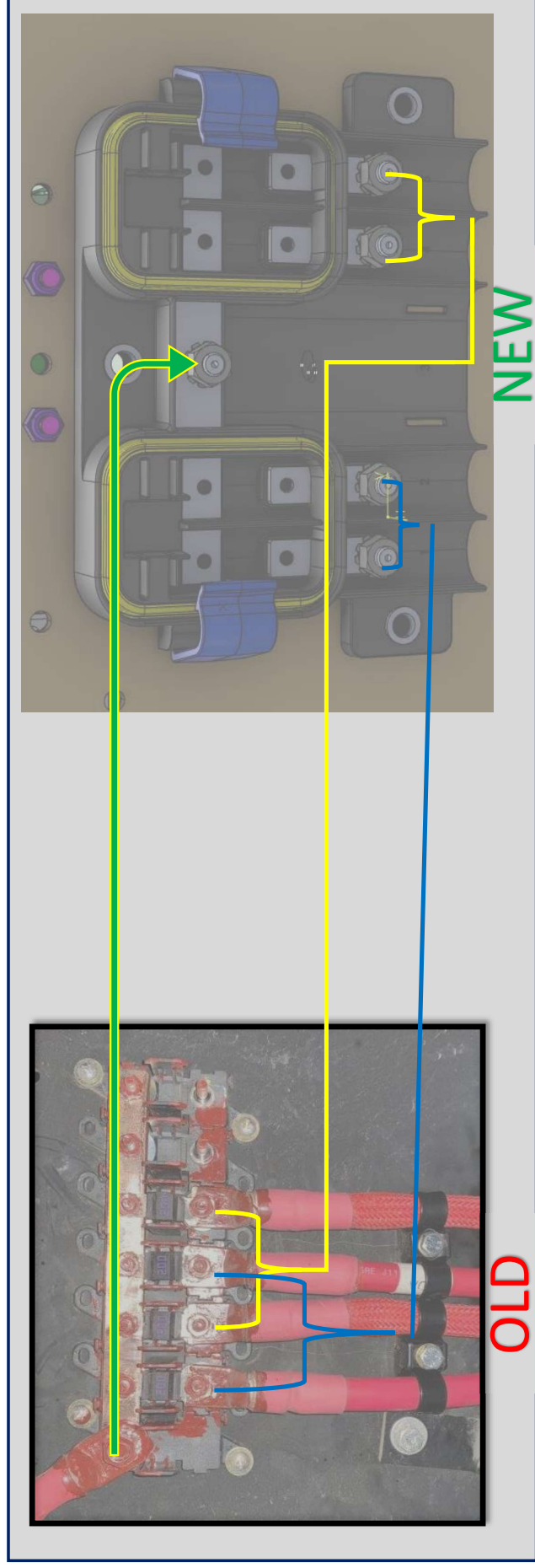


Figure 12