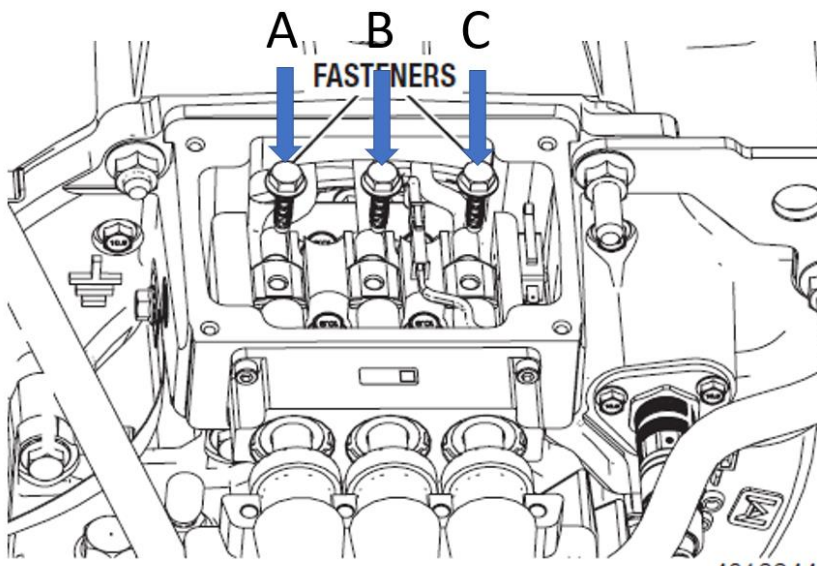
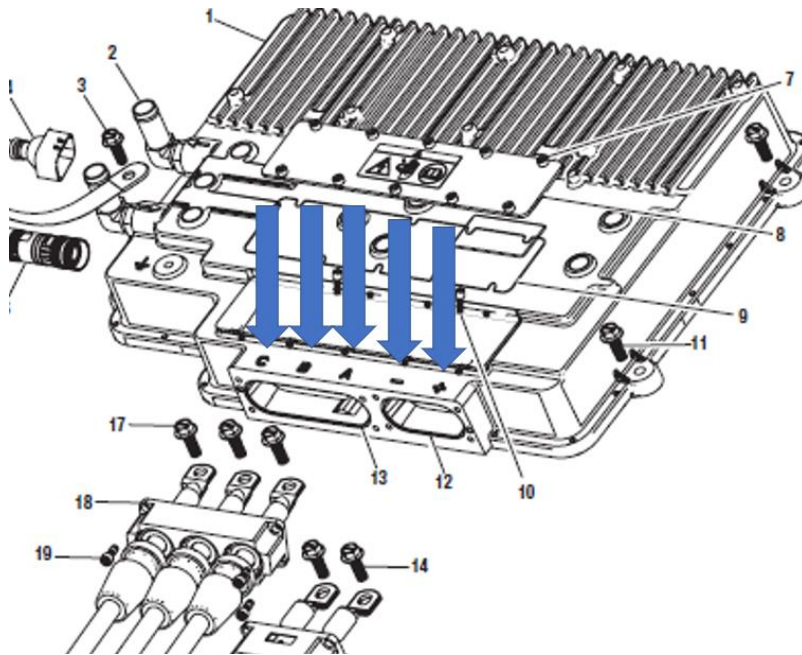


- After completing the HV disconnect procedure and verifying the absence of high voltage
- Remove the cover to the rear ePowertrain high voltage cables
- Check for any signs of oil or dust material
- Take pictures of cables to ePowertrain with cover removed
- Check to make sure the cables are torqued to 18 Nm and record torque. Take caution to not over torque past 18Nm because the isolation block will break. If you get to 18Nm and they are tight stop there.
- Identify the three cables so they can be reinstalled in the same location.
- Remove the three High Voltage cables.
- With the Fluke 1587 set to Ohm's check the following. (See Picture Below)
 - Phase A-B
 - Phase B-C
 - Phase C-A
- What is the reading between each phase?
- Then check from each phase to motor ground
 - Phase A-Ground
 - Phase B-Ground
 - Phase C-Ground
- Record the reading



- Insulation test
 - A- to shielding on cable A
 - B- to shielding on cable B
 - C- to shielding on cable C
- Record the readings.
- Remove the cover to the rear drive inverter. (See Picture Below)



- Remove the three phase cables and the two + & - cables.
- At the inverter, Check the following and record the values using Ohms
 - Phase A to minus
 - Phase B to minus
 - Phase C to minus
 - Phase A to positive
 - Phase B to positive
 - Phase C to positive
- Isolation (resistance OHMS) Test (makes sure the point on the housing you are checking is clean)
 - Phase A to housing
 - Phase B to housing
 - Phase C to housing
 - Phase + to housing
 - Phase - to housing
- After you finish this test switch the meter to isolation test
- CAUTION – High Voltage gloves must be certified and worn for the following tests or there could be a risk of shock from the Fluke meter. Do not touch any part of the vehicle when performing the following tests.
- To do this you must move the switch from “OFF” to the third location that reads 1000V in orange.
- You must hit the “TEST” button until the reading stabilizes.
- **DO NOT DO THE HIGH POT TEST FROM A,B,C,+,- to housing**
- Record the readings for the tests performed above.
- Submit your test results to the OnTrac case.

Please feel free to call me and I will walk you through the tests.