

INTERCONNECT ERRATA

Lafayette College | Electrical and Computer Engineering

ECE 492 – Spring 2020

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1. Cooling System
 - a. Need to connect temperature sensors per the system diagram
 - i. Refer to the cooling system section on site for more details
 - b. Connect cooling system to motor controller and motor
2. Assembly of motor controller into new enclosure
 - a. High voltage battery cables connected
 - b. Cooling system connected
 - c. Amphenol connector to carman and motor controller connected
3. Strain Relief attachments
 - a. Deutsch back shells must be attached to all DT connectors to provide strain relief
 - i. DT connectors are located on the outside of the CarMan enclosure, cooling system for cooling power, and the battery packs
4. Dyno room full system test
 - a. Testing individual subsystems
 - b. Testing of entire system
 - c. Rain test on enclosures
5. Full Car Assembly
 - a. Attachment of all subsystem enclosures onto car
 - i. Battery Packs
 - ii. Driver Display
 - iii. Side Panels
 - iv. Cockpit Panel
 - v. Pedals
 - vi. Motor Controller
 - vii. Motor
 - viii. GLV Battery
 - ix. Cooling System
 - b. Connection between all subsystems according to system diagram
6. Changes needed to be made on diagram
 - a. Update pin labels for W25 Port 2 to Cockpit Panel
 - b. Any other necessary changes as system is updated