

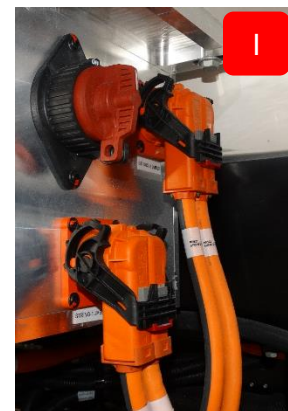
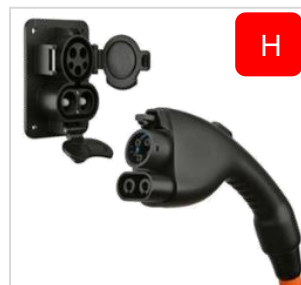
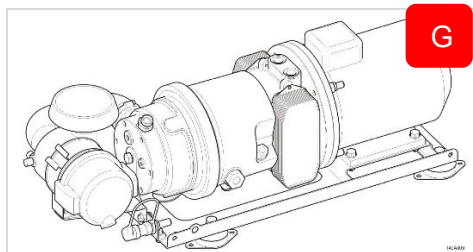
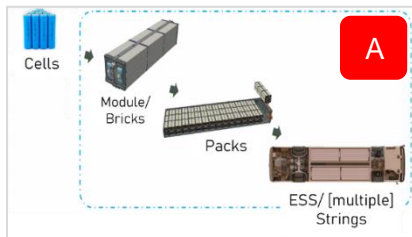
# BEB Familiarization Course Exercise – 1B

## When you arrive at the bus:

Have your instructor begin pointing out the components that were covered in Module 1.

- Make sure your instructor hands out this sheet to all participants
- Make sure you are in a position to see both the bus and the instructor

Use the list below to check off each component as your instructor identifies it on the bus. Then match the image to the corresponding component:



# BEB Familiarization Course Exercise – 1B

**Check off each component as your instructor shows you each of the following:**



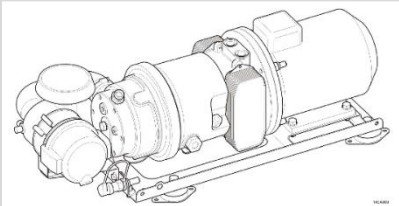

- Manual Charge Port \_\_\_\_\_
- Energy Storage System [ESS] \_\_\_\_\_
- High Voltage Junction Box [HVJB] \_\_\_\_\_
- Inverters \_\_\_\_\_
- DC/DC Converter \_\_\_\_\_
- Electronic Controllers, Contactors/Electrical Switching Device \_\_\_\_\_
- High Voltage Cables \_\_\_\_\_
- Electric Drive Accessories/Subsystems \_\_\_\_\_
- Traction Motor \_\_\_\_\_

# BEB Familiarization Course Exercise – 1B

Once you match the components with their picture, use the table below to write down the primary function of each.

Component	Image	Function
Manual Charge Port		
Energy Storage System [ESS]		
High Voltage Junction Box [HVJB]		
Inverters		
DC/DC Converter		

# BEB Familiarization Course Exercise – 1B

Electronic Controllers, Contactors/Electrical Switching Device	 A blue, rectangular electronic controller with a ribbed top surface and a white label in the center. It has several mounting tabs and a dark connector on the right side.	
High Voltage Cables	 A photograph of orange high-voltage cables connected to a piece of industrial machinery, likely a robotic arm.	
Electric Drive Accessories/Subsystems	 A technical line drawing of a complex electric drive assembly, showing various components like a motor, gears, and mounting brackets.	
Traction Motor	 A photograph showing the internal stator windings of a traction motor, viewed from a cross-section. The windings are arranged in a circular pattern and are mounted on a metal frame.	