EV4C

Electric Vehicle Interface Controller

HOW TO INSTALL

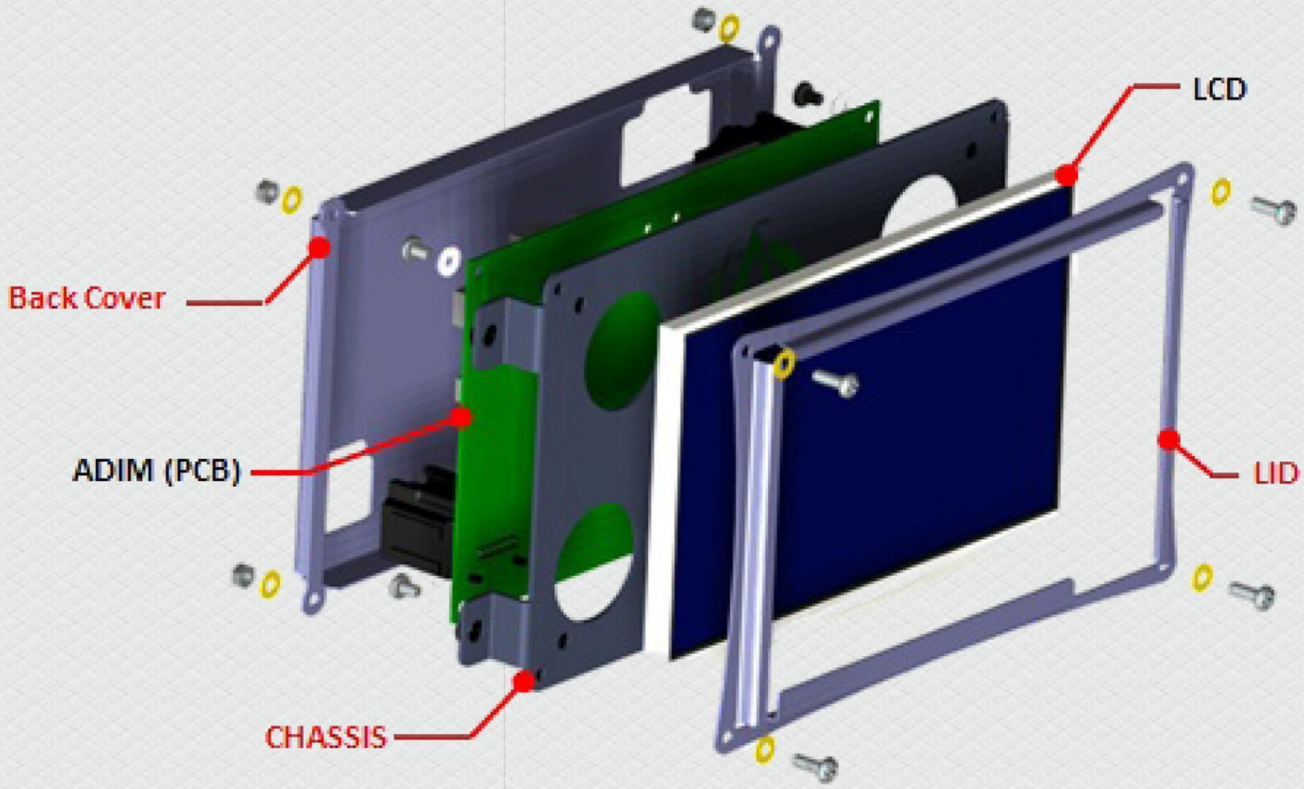
EVIC.BMS(ORION)

WHAT SHOULD BE IN THE BOX?

MECHANICAL PARTS ASSEMBLED

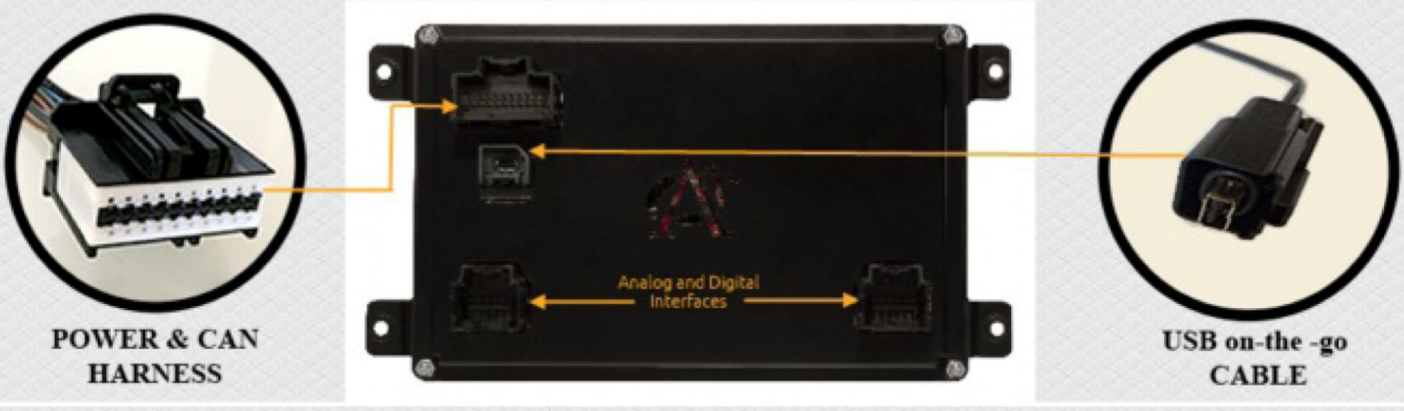
EXPLODED VIEWS

Essential Enclosure



ELECTRICAL INTERFACES

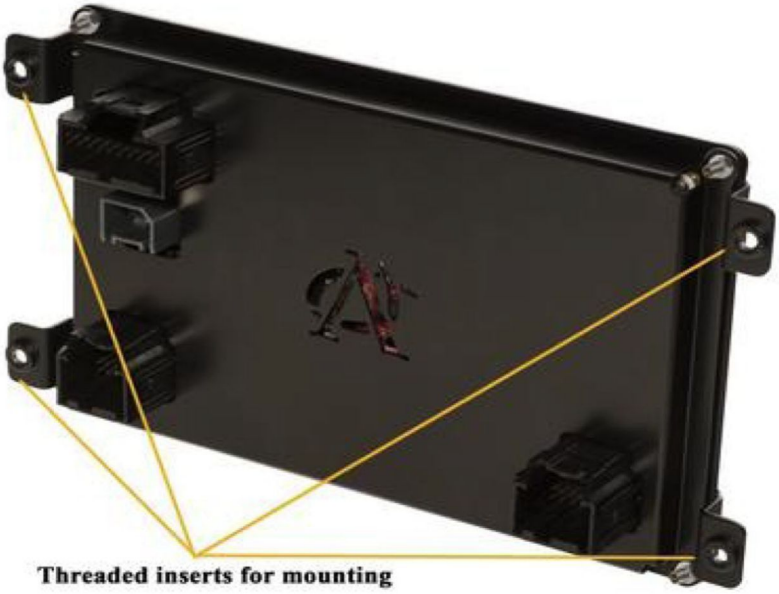
2 HARNESSES ARE PROVIDED



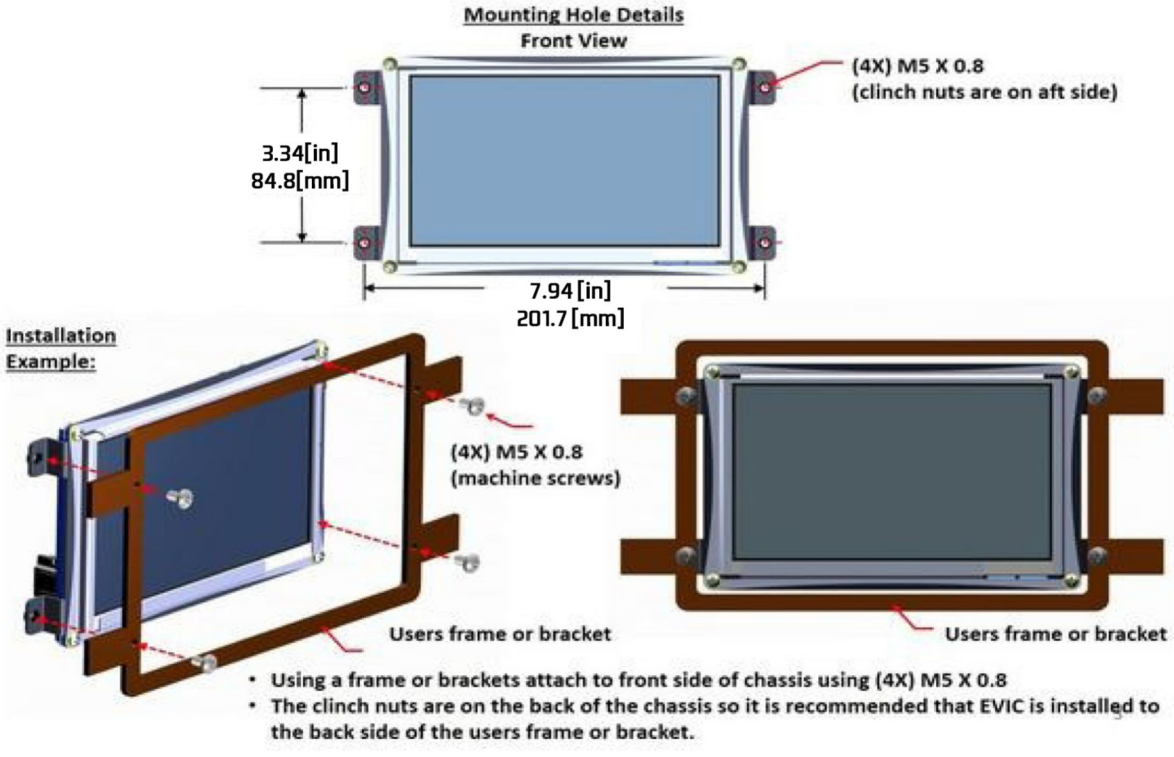
HOW SHOULD EVERYTHING MOUNT?

ESSENTIAL ENCLOSURE

IMAGES BELOW PROVIDE MOUNTING INSTRUCTIONS



Vehicle Mounting Instructions



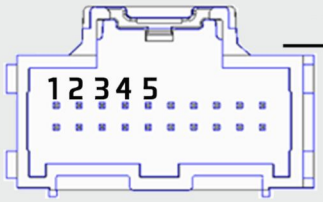
- Using a frame or brackets attach to front side of chassis using (4X) M5 X 0.8
- The clinch nuts are on the back of the chassis so it is recommended that EVIC is installed to the back side of the users frame or bracket.

HOW SHOULD EVERYTHING WIRE TOGETHER?

POWER AND COMMUNICATION

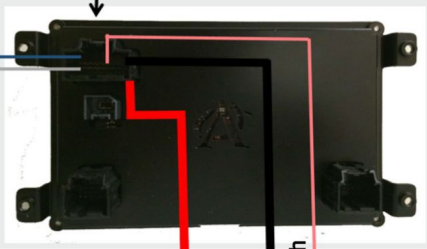
IMAGE BELOW SHOWS THE WIRING OF EVIC TO POWER IT ON AND TO WIRE THE COMMUNICATION INTERFACES WITH YOUR ELECTRIC VEHICLE'S DATA.

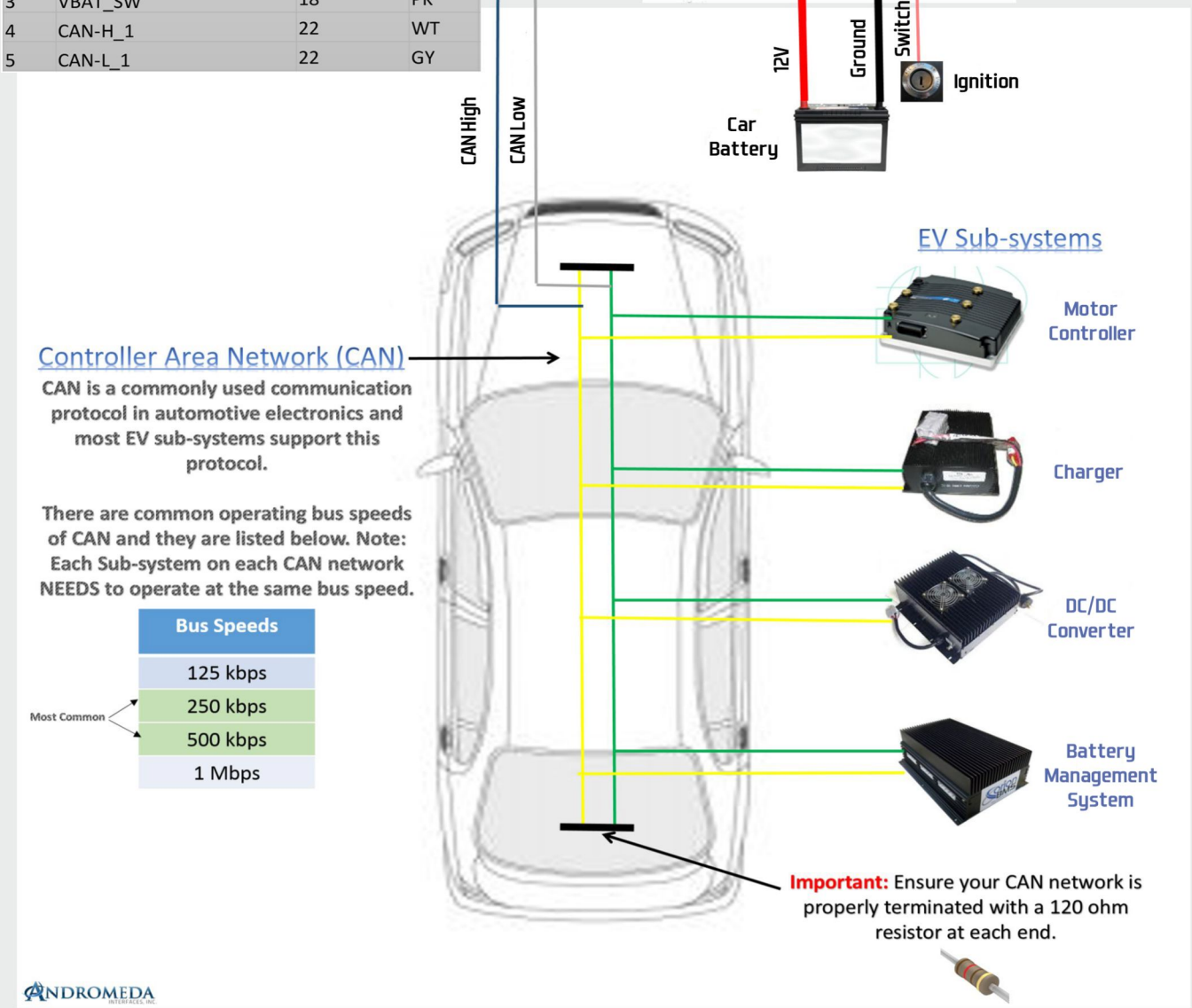
Power and CAN



20-pin Harnesss

Cav	Description	Awg Size	Color
1	VBAT	18	RD
2	GND	18	BK
3	VBAT_SW	18	PK
4	CAN-H_1	22	WT
5	CAN-L_1	22	GY





ANDROMEDA

CONFIGURE ORION BMS WITH EVIC USING ORION's UTILITY TOOL

IMPORTANT NOT TO SKIP

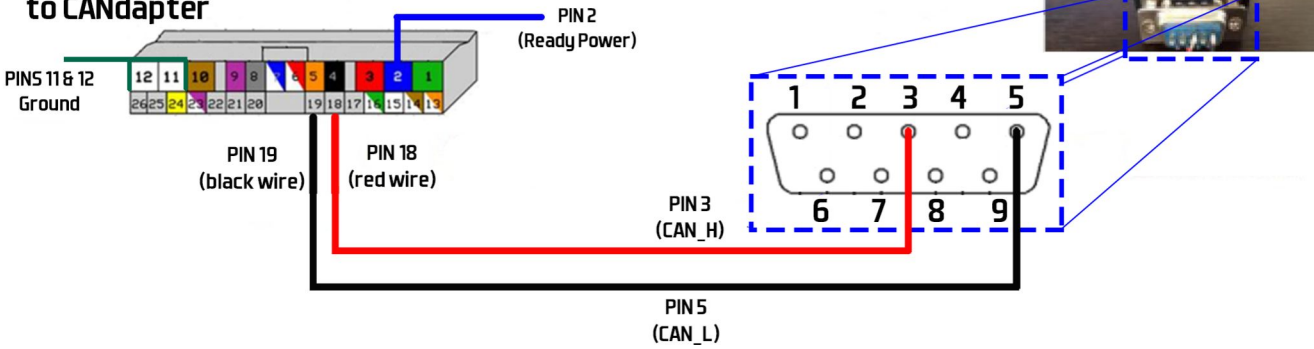
STEP-BY-STEP INSTRUCTIONS ARE PROVIDED BELOW

Start Here

Main Connector

CANdapter

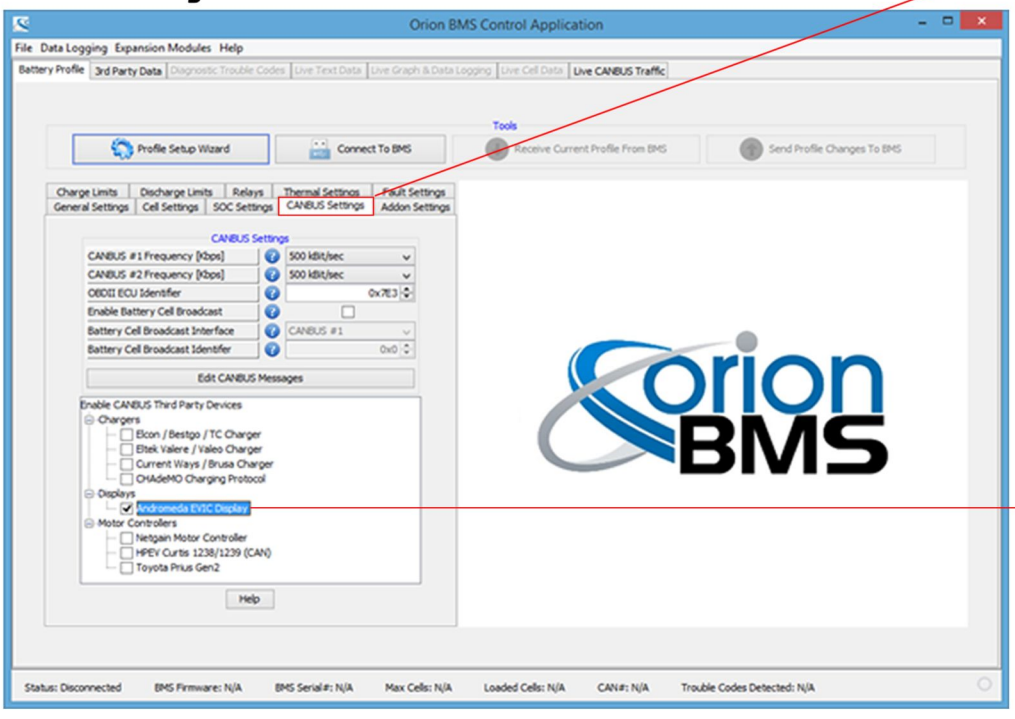
1) Wire Power and Ground
2) Connect Wires CAN_H and CAN_L to CANdapter



3) Install Orion BMS Utility to laptop or PC
4. Plug CANdapter to laptop or PC

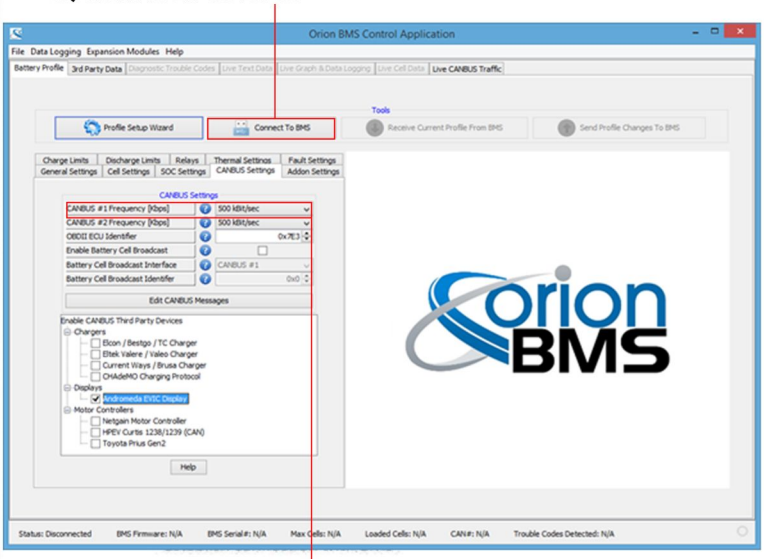
1) Launch Orion BMS Utility

2) Go to CANBUS Setting Tab



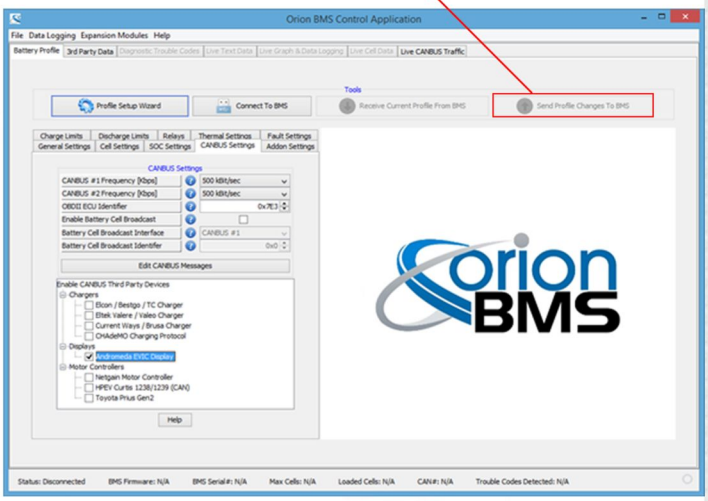
3) Select Andromeda EVIC Display

3) Connect to BMS



Change CANBUS #1 from 500kbit/sec to 250kbit/sec

4) Send Profile Change to BMS

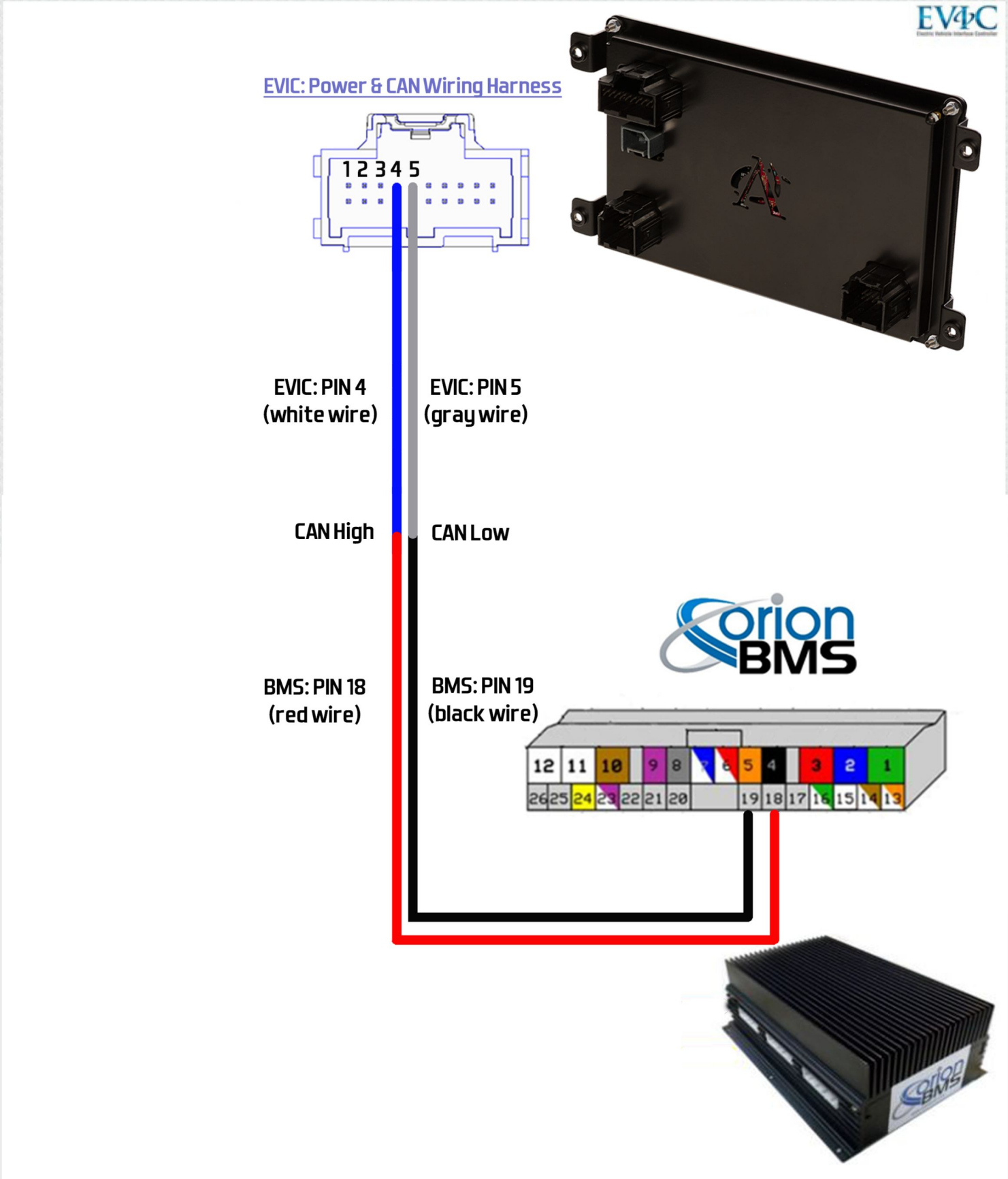


End Here

Wait for message box to to ensure new profile was properly submitted to Orion BMS

ORION BATTERY MANAGEMENT SYSTEM TO EVIC

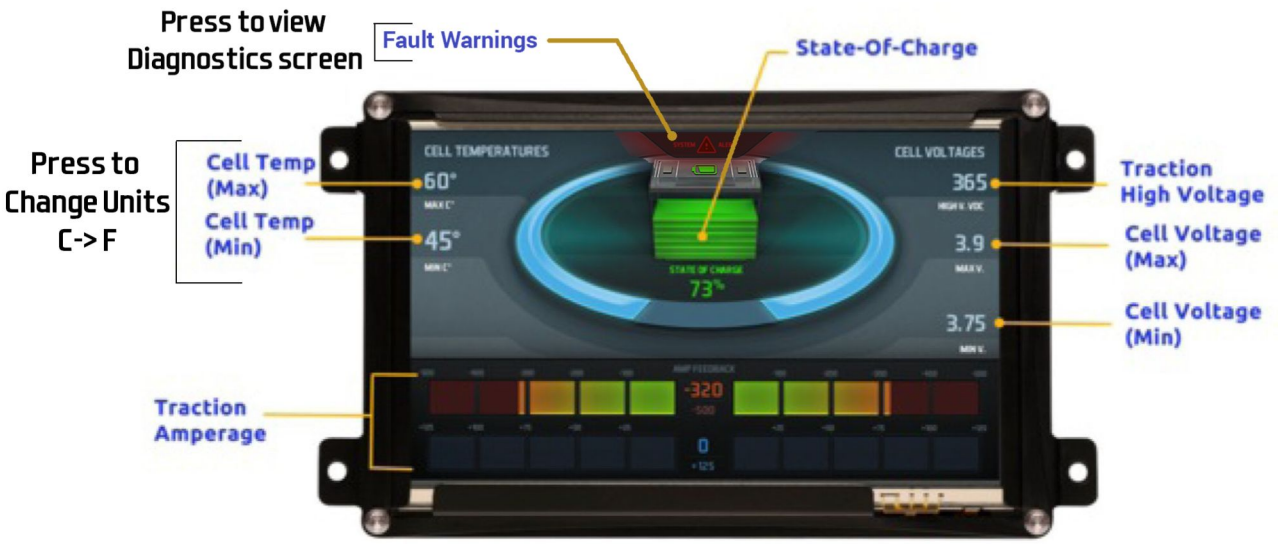
IMAGE BELOW SHOWS HOW TO WIRE THE CAN WIRES TO EACH DEVICE.



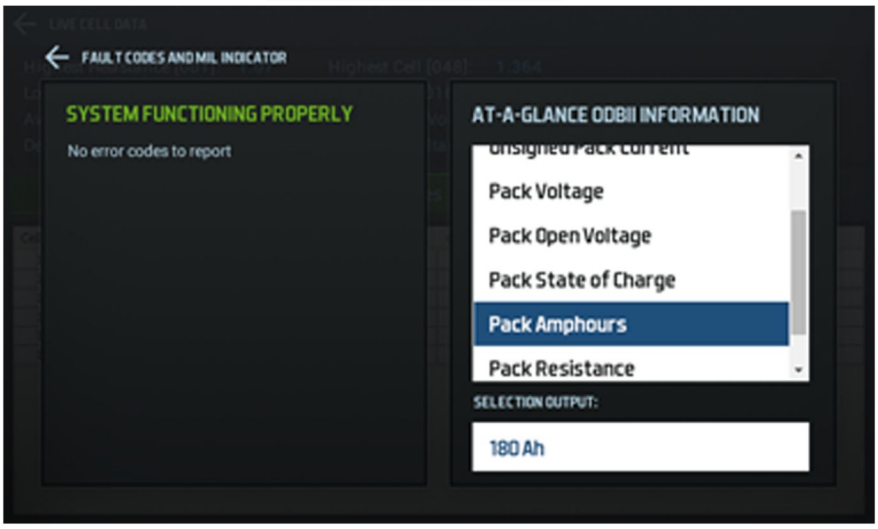
WHAT SHOULD HAPPEN WHEN YOU POWER UP?

GRAPHICAL USER INTERFACE

IMAGE BELOW SHOWS THE DATA THAT WILL BE DISPLAYED ON EVIC.BMS (ORION) ONCE EVERYTHING IS SUCCESSFULLY INSTALLED.



Diagnostics Screen



In this screen you can view specific battery pack details, warnings and request OBDII PIDs directly. (You can always access this screen by pressing the top of the screen above the battery)

WHAT SHOULD YOU DO WHEN NOTHING ABOVE GOES ACCORDING TO PLAN?

DON'T PANIC

We know the feeling.

SUPPORT

Our support team will work to resolve your issues.

CONTACT US

Contact us at 877-332-6055 or email at support@ai-displays.com

PLEASE ENJOY YOUR ELECTRIC VEHICLE EXPERIENCE!

www.ai-displays.com