

Kinect™ Touchscreen Display

INSTALLATION INSTRUCTIONS Club Car® Precedent/Onward/Tempo

EVERY INSTALLATION REQUIRES:

1. 25-300 KINECT™ DISPLAY SCREEN AND CAN BOX AC KIT
2. 25-313 KINECT™ ADAPTER, CLUB CAR®

+

3. BATTERY CAN ADAPTER KIT (SEE BELOW, BASED ON VEHICLE CONFIGURATION)

BOLT BATTERY

25-325 Kinect™ Club Car®, Harness Bolt Battery CAN Adapter DC Kit
25-307 Kinect™ Wire Harness, Bolt Battery CAN Adapter
25-310 Kinect™ Wire Harness, DC Speed Sensor

25-327 Kinect™ Club Car®, Harness Bolt Battery CAN Adapter AC Kit
25-307 Kinect™ Wire Harness, Bolt Battery CAN Adapter
25-309 Kinect™ Wire Harness, AC Speed Sensor

25-336 Kinect™ Club Car®, Harness Bolt Battery CAN Adapter AC Kit & Navitas TAC2
25-307 Kinect™ Wire Harness, Bolt Battery CAN Adapter
25-306 Kinect™ Wire Harness, Navitas CAN Jumper

ECO BATTERY

25-324 Kinect™ Club Car®, Harness Eco Battery CAN Adapter DC Kit
25-308 Kinect™ Wire Harness, Eco Battery CAN Adapter
25-310 Kinect™ Wire Harness, DC Speed Sensor

25-326 Kinect™ Club Car®, Harness Eco Battery CAN Adapter AC Kit
25-308 Kinect™ Wire Harness, Eco Battery CAN Adapter
25-309 Kinect™ Wire Harness, AC Speed Sensor

25-335 Kinect™ Club Car®, Harness Eco Battery CAN Adapter AC Kit & Navitas TAC2
25-308 Kinect™ Wire Harness, Eco Battery CAN Adapter
25-306 Kinect™ Wire Harness, Navitas CAN Jumper

LEAD ACID

25-333 Kinect™ Club Car®, Lead Acid with DC Kit
25-310 Kinect™ Wire Harness, DC Speed Sensor

25-339 Kinect™ Club Car®, Lead Acid with AC Kit
25-309 Kinect™ Wire Harness, AC Speed Sensor

25-334 Kinect™ Club Car®, Lead Acid with AC Kit & Navitas TAC2
25-306 Kinect™ Wire Harness, Navitas CAN Jumper

Tools Needed

2.5mm Allen Wrench	Pliers
10mm Socket	Drill
13mm Socket	5/8" Drill Bit
T15 Torx Bit	Wire Crimpers/Strippers
T30 Torx Bit	Phillips Head Screwdriver

STEP 1

Ensure that the cart is powered off and not plugged in to power. Switch key to OFF position, and engage the parking brake. Remove the seat bottom, and set the RUN/TOW Switch to TOW.




STEP 2

Turn the battery off (if lithium). Disconnect all leads from the negative battery terminal (it is not required to remove the battery).



STEP 3

 5/8" Drill Bit
Drill

Prepare the hole for wire routing.

- Slide the Adapter rear cover into groove behind the golf ball holder to use as a guide. Mark a drilling guide to align with the wire tray in the adapter rear cover.
- Remove the adapter rear cover and retain for later use.
- Using a 5/8" bit, drill a hole inside your guide mark by the steering column for wire routing.



STEP 4

Route the Kinect™ Display Harness (25-303, Included in display box), through the drilled hole, leaving the 9-Pin connector end at the dash.



STEP 5

 T15 Torx Bit

Remove the key switch panel by removing the three screws as shown. Retain hardware.

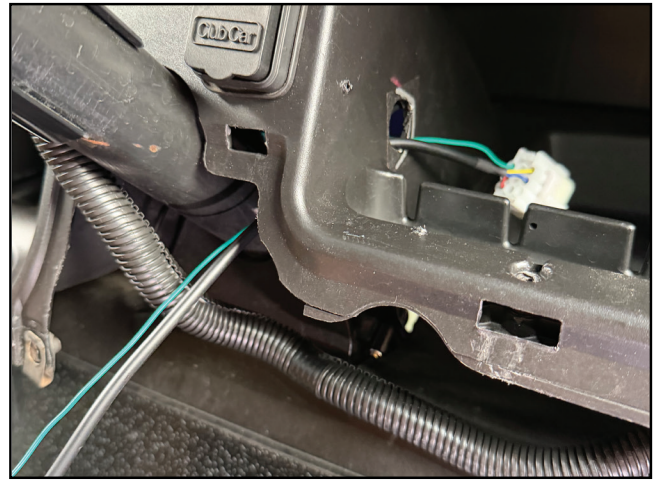


STEP 6

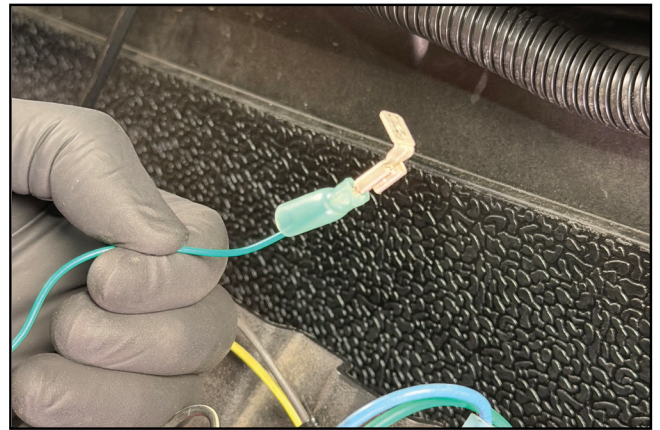


Wire Crimpers/Strippers

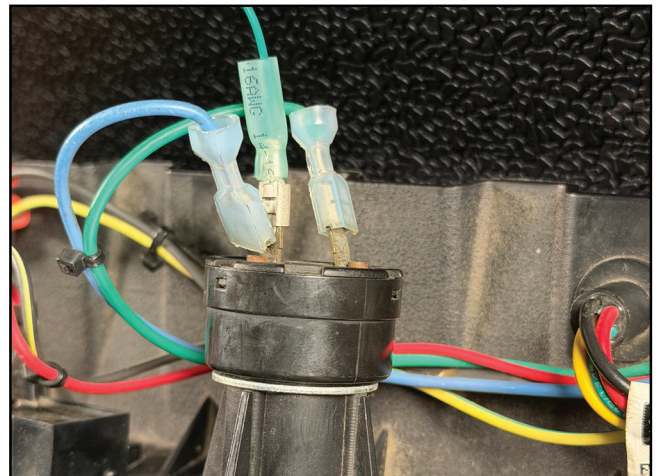
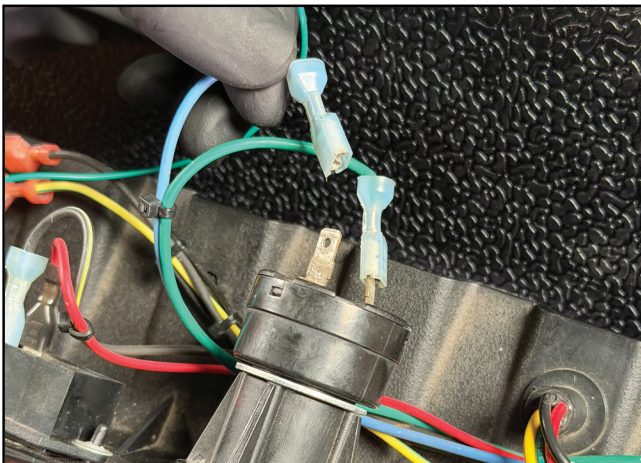
Pull the Kinect™ Display Harness Kinect™ Display Harness (25-303) wires out from under the steering column.



a. Ensure sufficient slack to key switch and display areas, and cut the green wire (optional but recommended). Strip the wire and crimp the spade connector.



b. Remove the top wire from the key switch, and plug accessory spade connector onto the key switch and plug removed wire into expansion port as shown.



STEP 7

Route the Kinect™ Display Harness (25-303) from the keyswitch area to the battery tray.

- a. Feed the wiring through the cable channel in the floor OR run underneath cart and up through the battery tray:

If feeding through the cable channel in floor, you will need to remove the passenger side running boards by removing the four Torx screws to access underneath the floor mat. Replace floor mat and running boards once cable is run.

Note: If feeding underneath cart, some drilling may be required for proper routing. It is recommended that this is done by a professional.



Note: This is a great time to route any auxiliary cables (i.e. installing a soundbar)

STEP 8

Reinstall the key switch panel using the retained hardware.



STEP 9

- Phillips Head Screwdriver
- T30 Torx Bit

Install Kinect™ Club Car Adapter Frame and Alignment Tab.

a. Attach the Alignment Tab to Adapter Frame using the M4 Flat Head Screw (included). Do not fully tighten yet.



b. Use a T30 Torx bit to remove center right screw from brow as shown. Retain hardware.

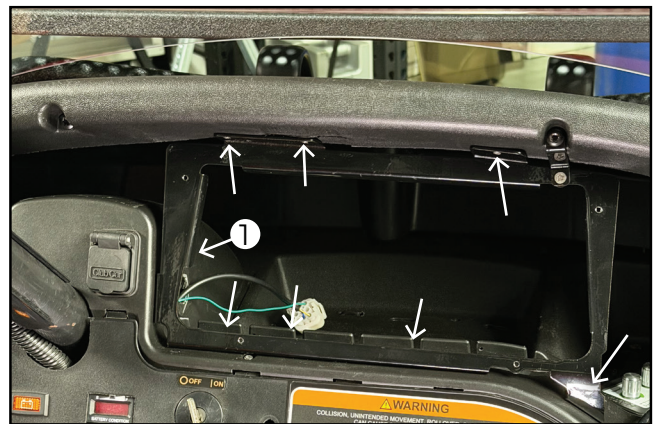


c. Place the Adapter Frame into place, ensuring that the lower trim of the adapter is flush against the inside trim of the ball holder. Seat the Alignment Tab on the brow screw mounting hole and reinstall the T30 screw.



- d. Secure the Adapter Frame in place by installing the eight perimeter screws (included) as shown below. Install the screw into the steering column cover first. The larger screws are used on the bottom and the smaller screws are used on top.

Note: Be careful not to over tighten.



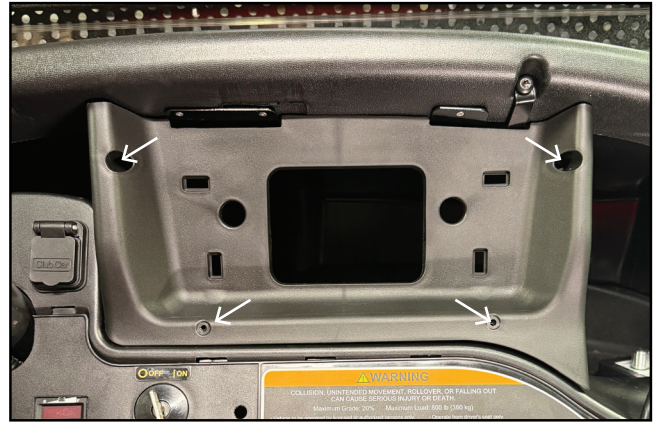
- e. Tighten the alignment tab Phillips head screw.



STEP 10

2.5mm Allen Wrench

Install Kinect™ Adapter Front Plastic Trim using four M4 buttonhead screws.

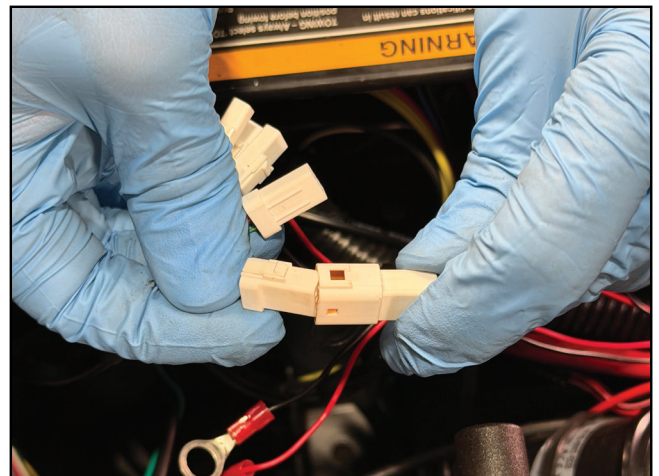
**STEP 11**

Locate the Kinect™ Hub (25-302) and prepare to mount under the seat.

- If not already applied, attach the 3M VHB tape strips (included) to the back side of the Kinect™ Hub.
- Find a good location to mount the hub (recommended to mount on the inside of the body close to battery, solenoid, and cable tray).
- Clean the surface of the mounting location with alcohol.
- Once the surface is dry, peel off the adhesive backing, and attach the hub to the mounting surface.

**STEP 12**

Plug in the Kinect™ Display Harness (25-303) into the Kinect™ Hub (25-302) using 6-Pin connector.



STEP 13

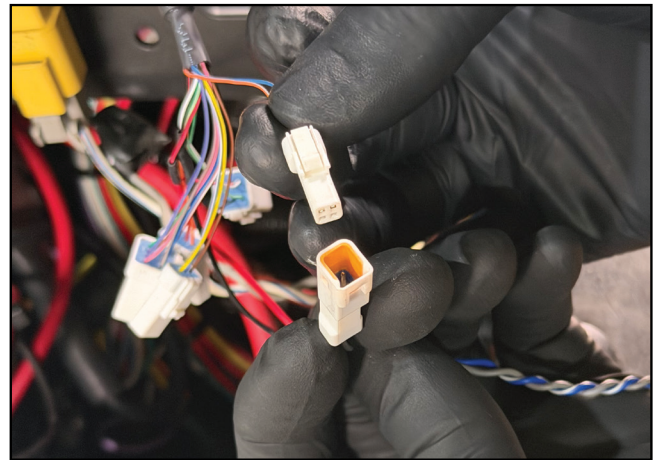
Route the red and black power wires from the hub to the battery terminals. Do NOT connect to battery terminals yet.

Note: If necessary, use cable ties (not included) to keep wires organized.



STEP 14

Plug in the 2-Pin Kinect™ CAN Breakout Harness (25-304) to the Kinect™ Hub (25-302) as shown.



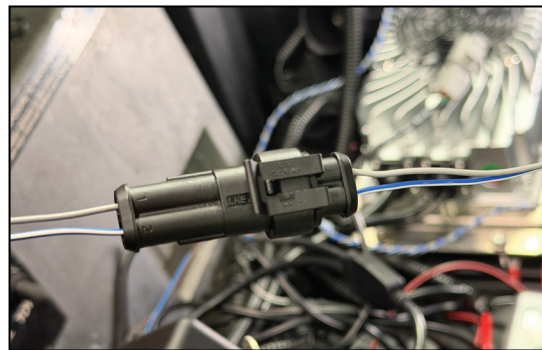
BATTERY CONNECTIONS (Lead Acid, Bolt, Eco Battery)

Lead Acid:

No action needed - continue to Controller Connections on page 12.

Bolt Battery:

- a. Install Bolt Battery CAN Adapter (25-307) to the Kinect™ CAN Breakout Harness (25-304).
- b. Install Bolt Battery CAN Adapter (25-307) to the CAN port on the battery.

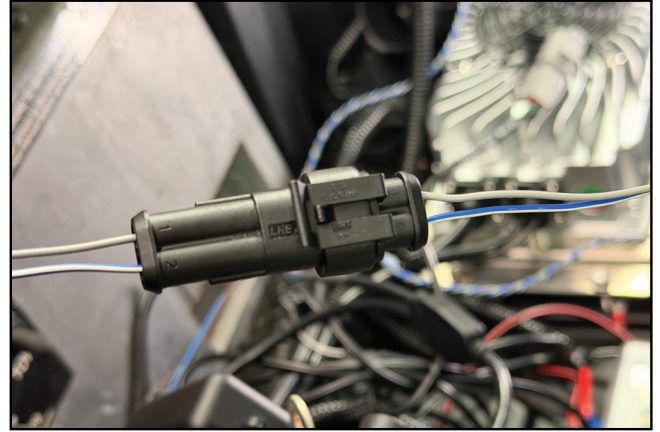


Continue to Controller Connections on page 12

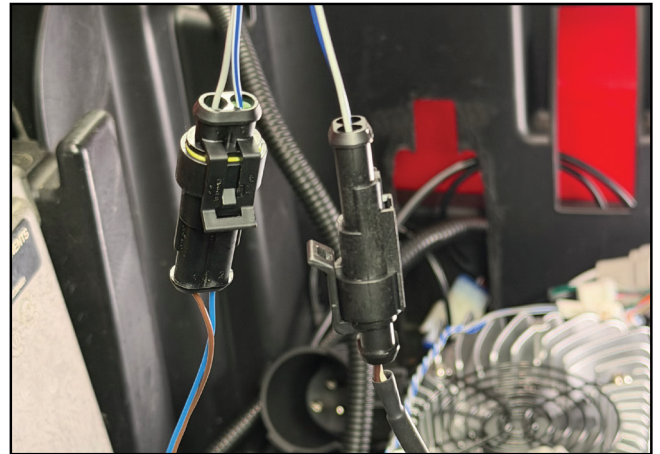
Eco Battery:

Note: For the integration to work, the Eco Battery SOC meter must remain plugged in. Plug it in and zip tie it away. If it is not plugged in, the Hub won't work.

- a. Install the Eco Battery CAN Adapter (25-308) to the Kinect™ CAN Breakout Harness (25-304).

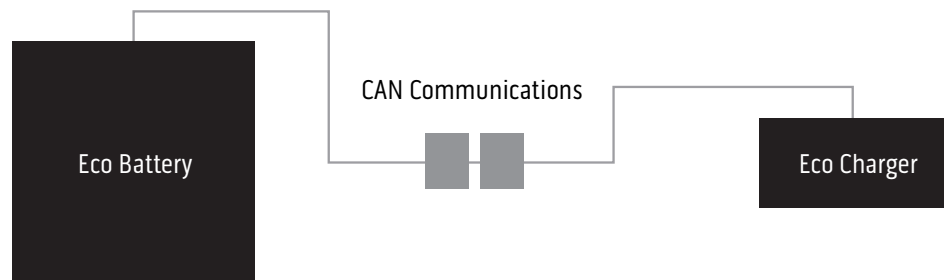


- b. Unplug the charger from the CAN port on the battery. Plug the Eco Battery CAN Adapter (25-309 AC, 25-310 DC) into the unplugged ends. See diagram below.

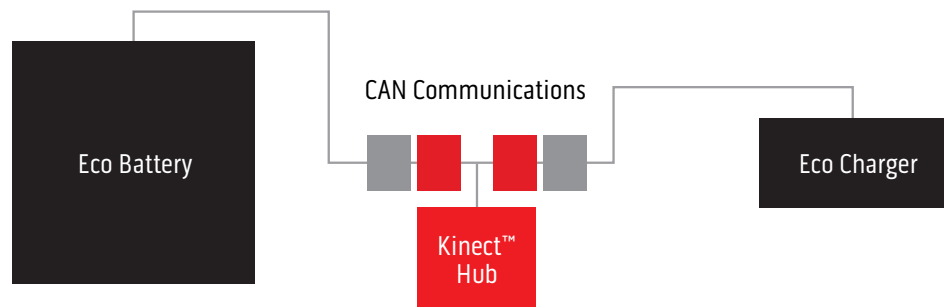


Eco Battery CAN Connection

Existing



With Kinect™ Hub CAN Adapter Connected

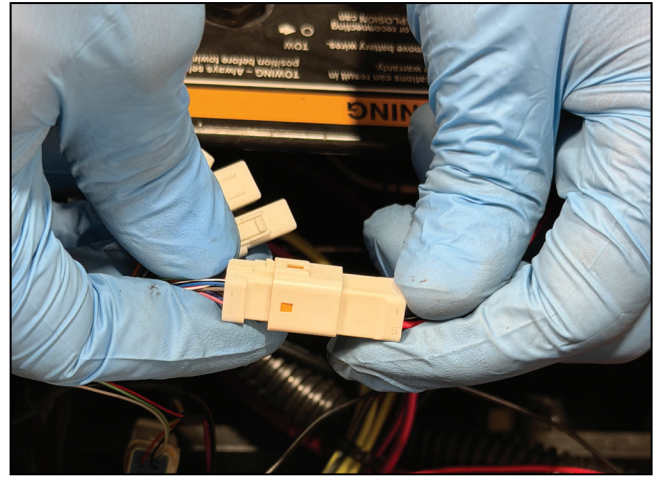
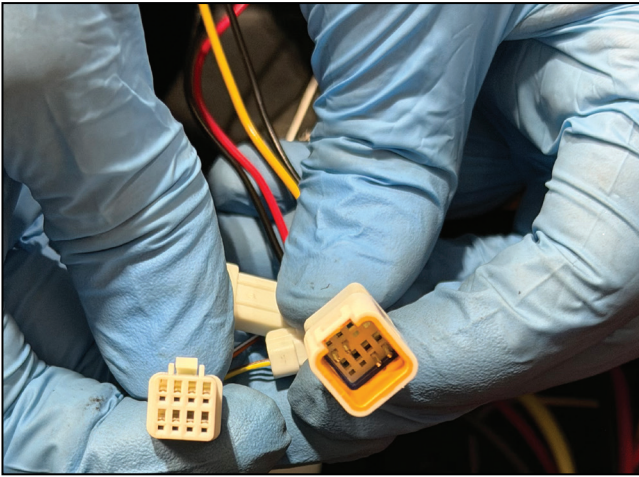


Continue to Controller Connections on page 12

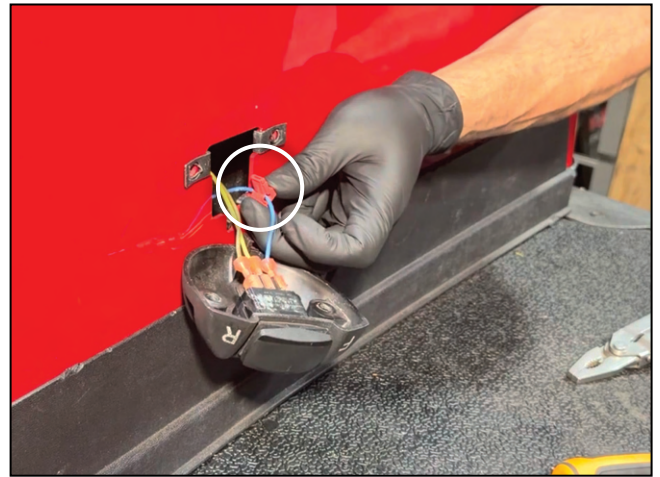
CONTROLLER CONNECTIONS (OEM)

OEM Controller:

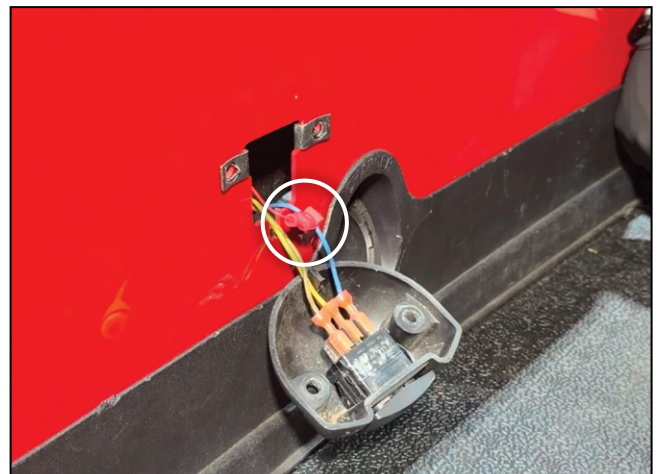
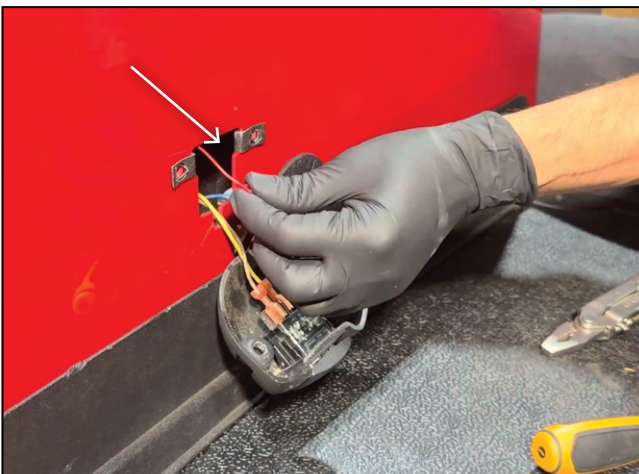
- a. Plug the 8-Pin Kinect™ Speed Sensor Harness (AC: 25-309 / DC: 25-310) into the Kinect™ Hub (25-302).



- b. Remove the Forward/Reverse Rocker Switch by removing the two screws, and retain hardware. Attach a tap connector onto the wire closest to the driver's side.



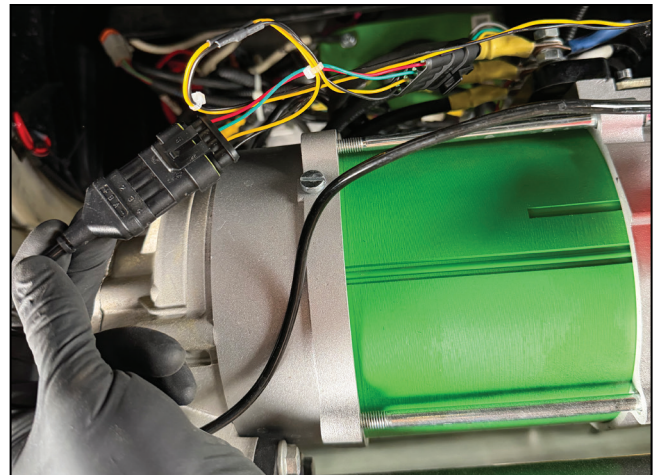
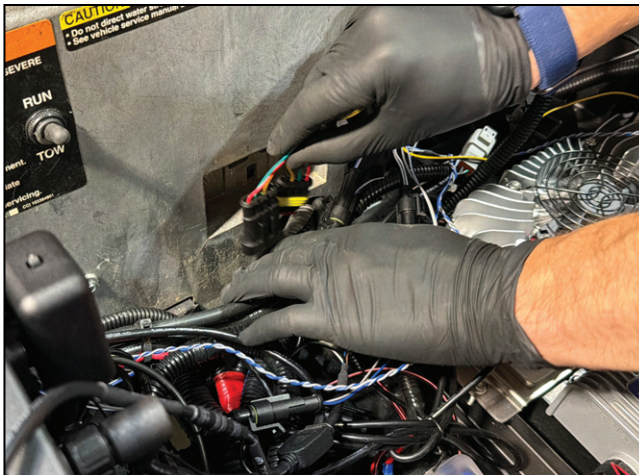
- c. Route the red wire from the Kinect™ AC Speed Sensor Harness (25-309) through the Rocker Switch opening and plug into the tap connector.



- d. Reinstall the Forward/Reverse Rocker Switch using retained hardware.



- e. Route the other end of the Speed Sensor Harness plugs to the motor area by feeding the harness through the battery tray.
- f. Unplug the OEM speed sensor from the main harness, and plug the speed sensor harness in between the OEM connectors. **Note: If needed, use cable ties to organize wires.**

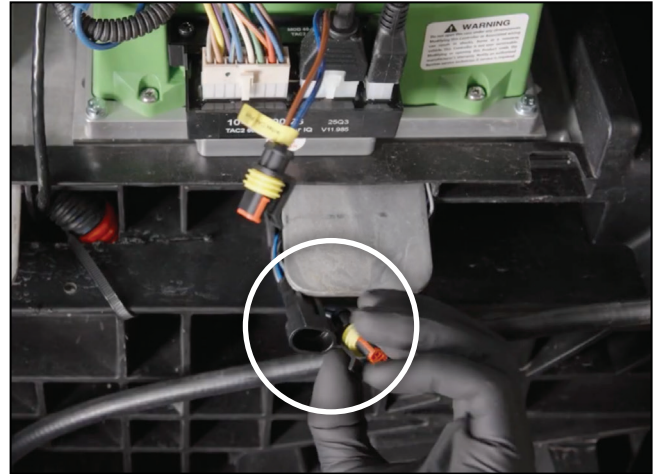
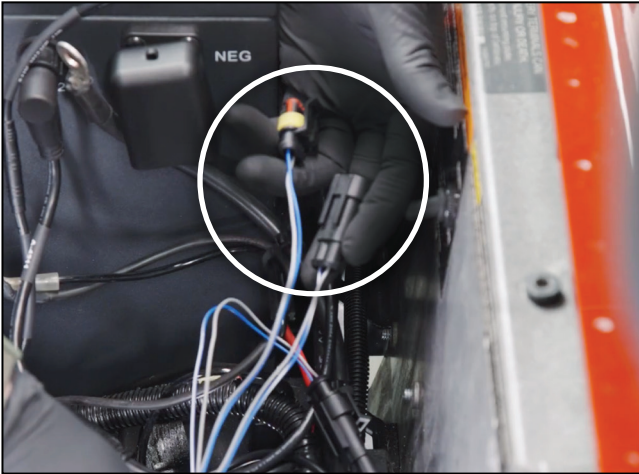


Continue to Step 15

CONTROLLER CONNECTIONS (NAVITAS®)

Navitas® TAC2 Controller:

- a. Locate the two free connector ends of the CAN Breakout Harness (25-304), and run the wiring through the back of the battery tray to the controller area.

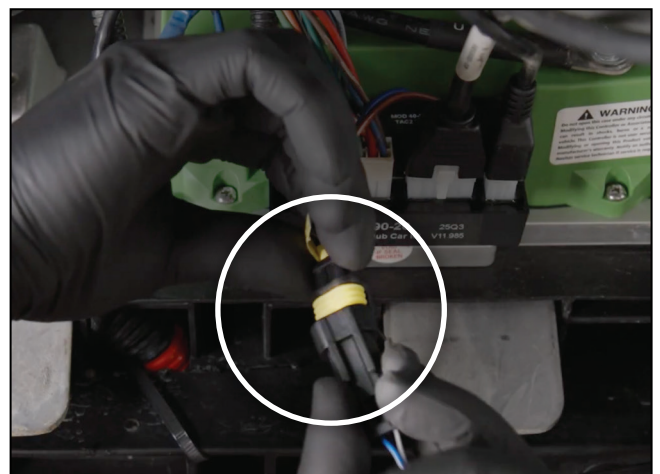


- b. Connect the Navitas CAN Jumper (25-306) to the CAN Breakout Harness (25-304).



- c. Plug the Navitas CAN Jumper (25-306) into the Navitas® controller connector.

Note: If needed, use cable ties to organize wires.



Continue to Step 15

STEP 15

At the dash, plug in the Kinect™ Display into the Kinect™ Display Harness. Push the wiring through the Kinect™ Display Adapter, and click the display into place as shown below.



STEP 16



2.5mm Allen Wrench

Install the Kinect™ Display Adapter Rear Cover.

- Slide two M4 clip nuts onto the plastic cover with the flat side facing out.
- Tuck away the wiring, and slide the rear cover into place.
- Using two M4 buttonhead screws (included), secure the rear cover into place.



STEP 17

13mm Socket

Connect the Kinect™ Hub (25-302) ring terminals to the battery terminals in order as shown. Connect the Positive (RED) wire first, followed by the Negative (BLACK) wire.

**1****2****STEP 18**

Turn the battery on, and set the RUN/TOW switch to RUN. Replace the seat bottom cushion.

STEP 19

Power on the vehicle, remove screen protector, and configure display settings* to your preference.



****Continue to Display Screen Configuration***

DISPLAY SCREEN CONFIGURATION

STEP 1 CHECK FOR OTA (OVER-THE-AIR) UPDATE

On the main display interface, proceed to the “Settings” menu as shown below.



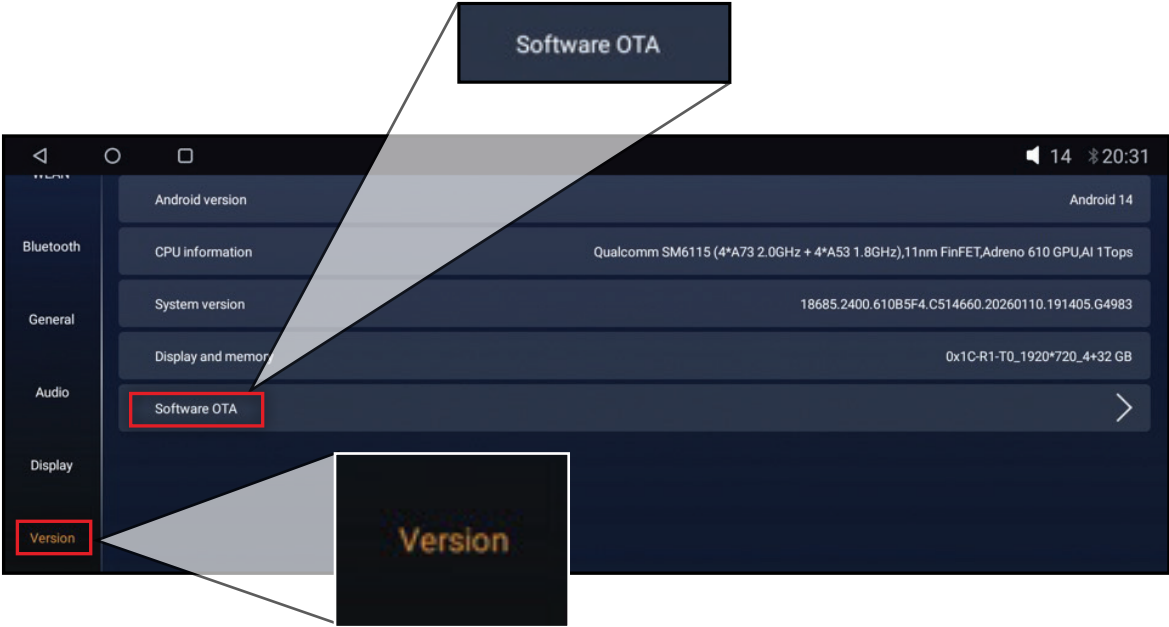
STEP 2

Within the “Settings” menu, navigate to “WLAN” on the side bar menu. Confirm that Wi-Fi is turned on by toggling the “Scan Wi-Fi” button.



STEP 3

Check for an OTA Update by scrolling to "Version" on the side bar menu, and then "Software OTA". Click the "Start" button if an update is available.



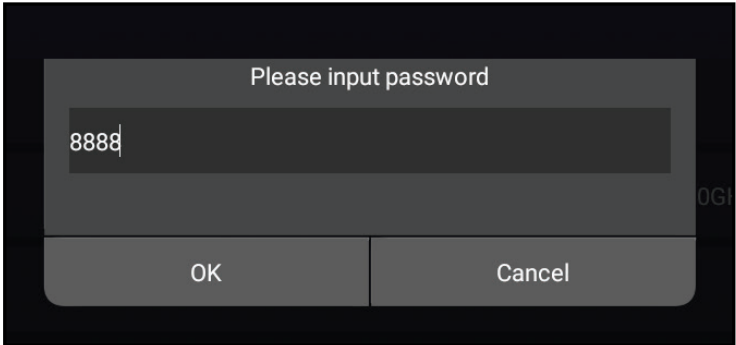
STEP 4 CONFIGURE SETTINGS FOR YOUR CART MODEL

On the main display interface, proceed to “Settings” within the side bar menu, and then proceed to click “Version”. After “Version” is selected, click on “Android Version” four times.



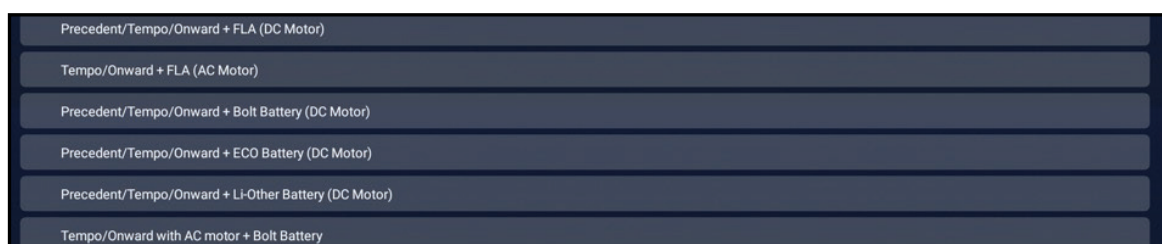
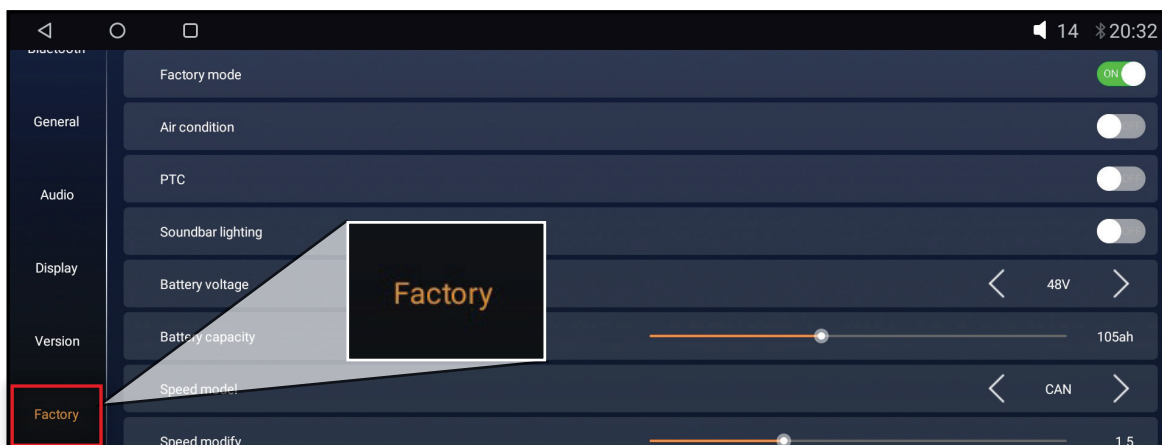
STEP 5

When the “Please input password” field pops up, enter the factory default password: “8888”. Selecting “OK” enables the “Factory” configuration menu.



STEP 6

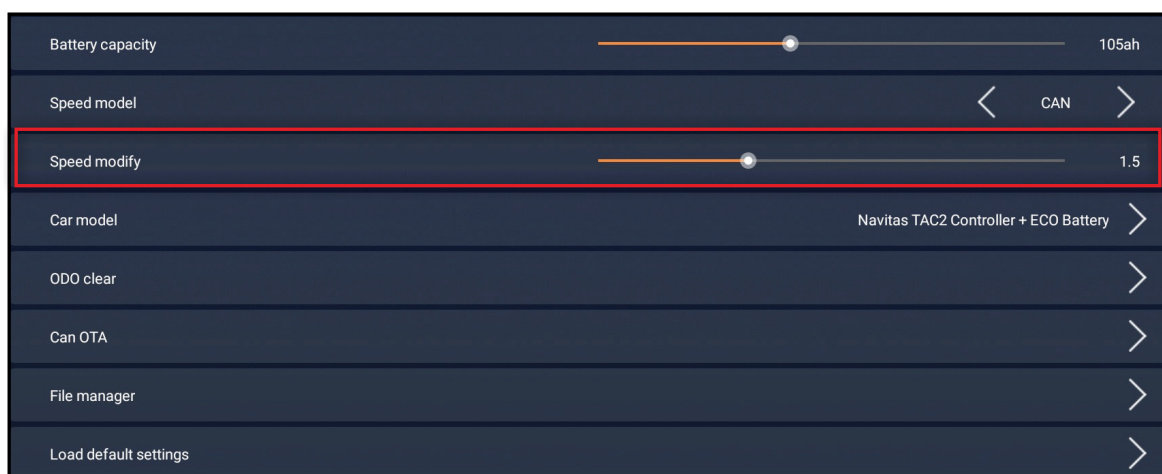
Within the “Factory” menu, click on “Car Model” to access the configuration options. Locate and select your configuration from the list.



STEP 7

For vehicles with a **CAN enabled controller**, continue to **Step 7a**
For vehicles using a **speed sensor harness**, skip to **Step 7b**

- d. **For vehicles with a CAN enabled controller**, adjust “Speed modify” settings as needed. “Speed modify” is a multiplier that allows users to adjust speedometer readings to account for aftermarket wheels and other variables. A larger number will increase the shown speedometer speed and a smaller number will decrease the shown speedometer speed.



STEP 7

- e. For vehicles using a speed sensor harness, the tire diameter, speed ratio, and number of poles will need to be adjusted accordingly, affecting the speedometer values.

Tire Diameter:

This value should be changed to match your current tire diameter

Speed Ratio:

This value represents the gear reduction in the vehicle's differential and can be adjusted for custom setups.

Number of Poles:

For vehicles with a DC motor, set this to "4", and for vehicles with an AC motor, set this to "32". This value represents the magnetic poles for the speed sensor and can be adjusted for custom setups



STEP 8 EXIT FACTORY MODE

When finished making the necessary adjustments, toggle "Factory Mode" to "off" to prevent accidental changes to the settings.



INSTALLATION COMPLETE