

These installation instructions show an example installation on a 2021 Ford F150. The installation may vary for your vehicle, so it may be necessary to consult a Ford service manual for specific instructions for your year model.

### IMPORTANT NOTE

For applications that have the 12" SYNC4 touchscreen, please go to page 8 for installation instructions.  
For applications that DO NOT have the 12" SYNC4 touchscreen, go to page 2 for installation instructions.

### TOOLS REQUIRED FOR INSTALLATION

7mm nut driver or socket, extension, and trim removal tools (optional)

Be advised: These instructions may not include specifics for all vehicle configurations.

## DO THE THREE (3) STEPS BELOW BEFORE INSTALLING THE HYPERTECH IN-LINE SPEEDOMETER CALIBRATOR MODULE INTO YOUR VEHICLE

### In-Line Speedometer Calibrator Module Software Setup Instructions

#### In-Line Speedometer Calibrator Module Software Setup Instructions

##### 1. UPDATE

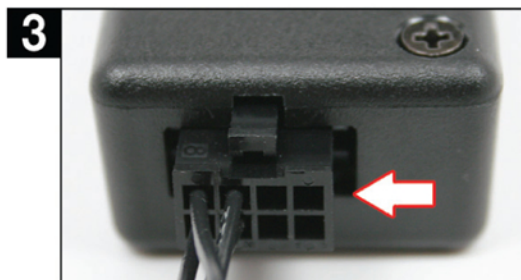
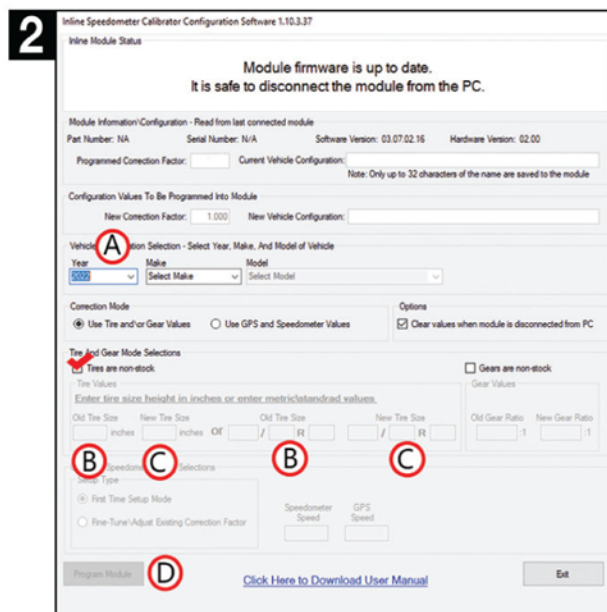
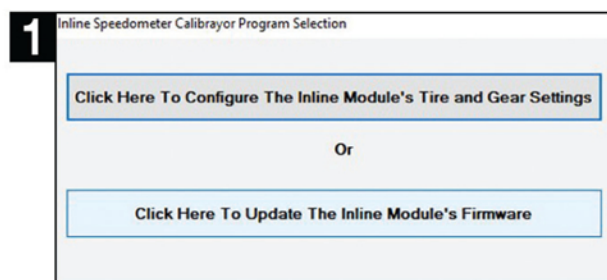
This step makes sure that the In-Line Speedometer Calibrator Module has the latest firmware installed. If the Tuner Update Software is not already installed on your PC, go to our website (hypertech.com) and download the Tuner Update Software. Connect the In-Line Speedometer Calibrator Module to your PC with the supplied USB cable, run the update software and click the Update Tuner button.

##### 2. CONFIGURE

For accurate readings, measure the stock and new tire height from the ground to the top of the tire. Enter these measurements (in inches) into the configuration software, and click program to commit these settings. Once configuration is complete, take the In-Line Speedometer Calibrator Module and harness to the vehicle.

##### 3. CONNECT

Securely connect the In-Line Speedometer Calibrator Module to the In-Line Speedometer Calibrator harness.





### Installation Instructions (Vehicles NOT EQUIPPED w/12" SYNC4 Touchscreen)

1. **Remove the Display Bezel.** Using a trim panel removal tool, start at the top and work your way from the top down to the sides. There are eight (8) snap-in clips that hold this bezel in place. Four (4) are equally spaced along the top. There are two (2) on the left side, one near the middle and the other at the bottom. The right side has two (2) at these same locations.



2. **Remove the Ignition Bezel.** Adjust the steering wheel out and down to give yourself more room. Starting near the ignition switch, use a trim panel removal tool to gently pry the panel clips loose from the dash. Work your way across the dash toward the passenger side door. This panel has fourteen (14) retention clips. Two (2) are to the left of the ignition switch and one (1) is to the upper right of it. There are five (5) under the display, equally spaced. There are five (5) equally spaced in the section between the glove boxes. The last one (1) is at the upper right corner. Once the panel is loose, unplug the ignition switch and remove the bezel.



3. **Remove the Knee Panel below the Steering Wheel.** Using the trim panel removal tool, start at the right side of the steering wheel and pop loose the retaining clips. Moving to the left side of the steering wheel, use the trim panel removal tool to pop loose these retaining clips. This panel can be fully removed, or simply pulled back enough to allow access to the panel screws behind it. This panel has eight (8) retention clips; One (1) at the top left, three (3) at the bottom left corner, one (1) at the bottom right in about 2 inches, and three (3) at the top right.

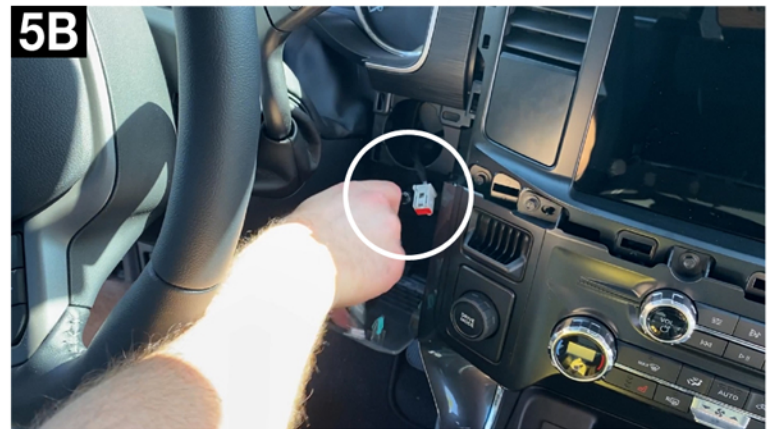




4. **Remove the Left Vent Bezel.** Starting at the left side, use the trim panel removal tool around the outside of the bezel to pop loose the snap-in clips and work your way to the bottom and then the top of the bezel. This panel has four (4) retaining clips located at the top right, top left, bottom left, and far bottom right.



5. **Remove the Panel Screws.** Using a 7mm socket/nut driver, remove the cluster bezel screw to the left of the steering wheel. Once complete, remove the two (2) screws to the right of the steering wheel which are side-by-side just below the ignition switch location. These screws are tightened to 22 Lb.In (22.5Nm) when re-installed.



6. **Remove the Steering Column Cover.** Lower and extend the steering wheel position. Using the trim panel removal tool, pop loose the retaining clips on the steering column cover. This cover has six (6) snap-in retaining clips; four (4) on top and one (1) on each side near the bottom.





7. **Remove the Cluster Bezel.** Using the trim panel removal tool, start at the left side and pop loose the retaining clips working at the lower bend of the bezel. Repeat this process on the right side. The right side provides a little more room so using your hand may be easier here. Switching to the top, use the trim panel removal tool to pop loose the upper clips. It can be helpful to pull the panel towards you when popping these upper clips loose. This panel has seven (7) clips remaining that are holding it in. The two (2) clips on the left side are near the corners, and the clips on the right side are in similar places. The top has three (3) clips spread equally along the top flat section.



8. **Remove the Instrument Panel Cluster.** Using a 7mm socket/nut driver, remove the instrument panel cluster screws at each corner of the cluster. These screws are tightened to 22 Lb.In (22.5Nm) when re-installed. Once removed, gently lift the cluster out and set it lightly on the dash with the dials facing up.



9. **POWER OFF** the vehicle for ten (10) minutes with the ignition key out of proximity of the vehicle to ensure the HSCAN bus powers down completely.





10. **Unplug the Large Connector.** There are two (2) connectors on the back side of the instrument panel cluster. You will disconnect the large one on the right. Using light pressure, squeeze the connector clip and pull the connector straight out.



11. **Update and Configure the In-Line Speedometer Calibrator Module.** Prior to installation you will need to update the In-Line Speedometer Calibrator module and configure it for the vehicle platform, as well as the stock and new tires being installed. **If you have NOT configured your In-Line Speedometer Calibrator Module, see the In-Line Speedometer Calibrator Module Software Setup Instructions on the first page of these instructions and follow the steps.**

12. **Install the In-Line Speedometer Calibrator Module.** To install the unit properly, first connect the appropriate connector the instrument cluster. Second, connect the appropriate connector the factory harness.



13. **Secure the In-Line Speedometer Calibrator Module.** Secure the In-Line Speedometer Calibrator Module and wires in place behind the instrument cluster using the provide zip ties.





14. **Install the Instrument Panel Cluster.** Carefully lower the instrument panel cluster back down into place with the screws you removed in Step 8. We recommend getting all four (4) of the screws installed, but not fully tightened. Before tightening completely, push the cluster in all the way and then tighten the screws down to 22 lb.in (22Nm).



15. **Reinstall the Ignition Bezel.** Reconnect the ignition switch and then reinstall the ignition bezel you removed in Step 2. There are fourteen (14) clips that hold this bezel in place.



16. **Drive the Vehicle and Verify the Speed.** Prior to fully reinstalling the rest of the interior panels it is advised to drive the vehicle to verify that the speed readings are correct. You can use a GPS reading from your cell phone to compare the dash speed reading. Do this test in a safe environment with little traffic to ensure your safety and those around you.





17. **Remove the Ignition Bezel.** You will need to remove the ignition bezel again and disconnect the ignition switch once again to allow you to reinstall the rest of the interior pieces to complete the installation.



18. **Reinstall the Remaining Interior Panels.** Starting at Step 8, reverse the process to reinstall the trim panels and bezels removed during this process. Take your time and be careful to protect the pieces and rest of the interior. Your installation is now complete!



### Installation Instructions (Vehicles EQUIPPED w/12" SYNC4 Touchscreen)

1. Before installing the In-Line Speedometer Calibrator Module, **POWER OFF** the vehicle for ten (10) minutes with the ignition key out of proximity of the vehicle to ensure the HSCAN bus powers down completely.



2. Using a trim removal tool or similar, firmly pull up and remove the top bezel above the touchscreen. Use caution to prevent breaking any clips.



3. Using a trim removal tool or similar, firmly pull out and remove the lower bezel below the touchscreen. Use caution to prevent breaking any clips.





4. Using a trim removal tool or similar, firmly pull and remove the side console panels to access the climate control panel. Use caution to prevent breaking any clips.



5. Remove the six (6) 7mm bolts holding the climate control panel in place. Gently pull the climate control panel away from the center console but DO NOT unplug any connectors.

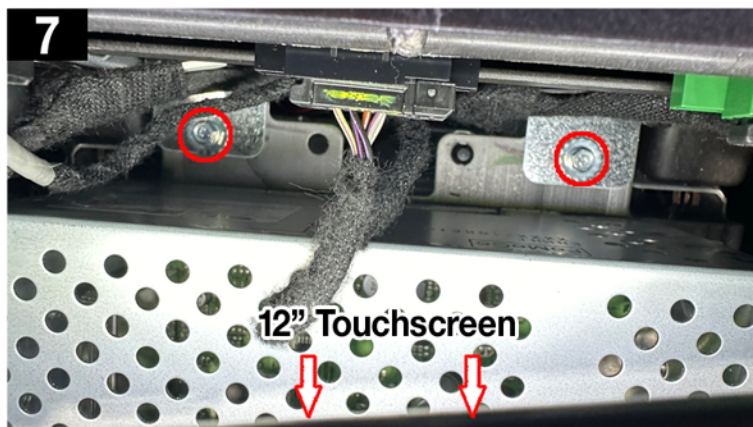




6. Remove the two (2) 7mm bolts holding dash tray in place. Then firmly pull up and remove the dash tray from the dashboard. Use caution to prevent breaking any clips.



7. Remove the two (2) 7mm bolts located BEHIND the 12" touchscreen (center stack). **IMPORTANT NOTE:** These bolts are hidden and will need to be removed in order to remove the 12" touchscreen.





8. Remove the two (2) 7mm bolts on the upper area of the 12" touchscreen.

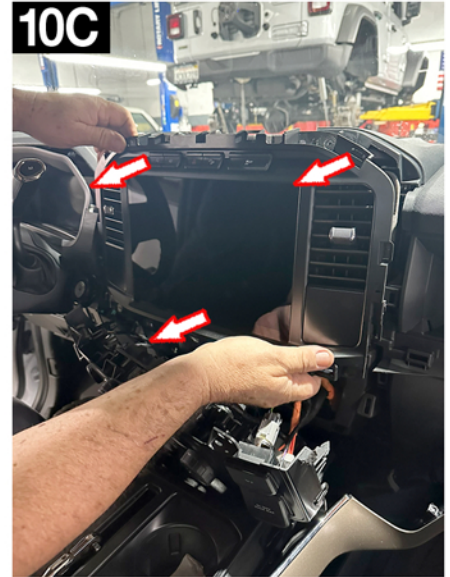
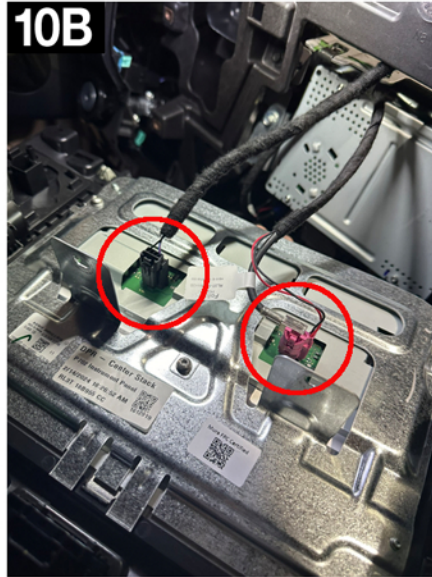
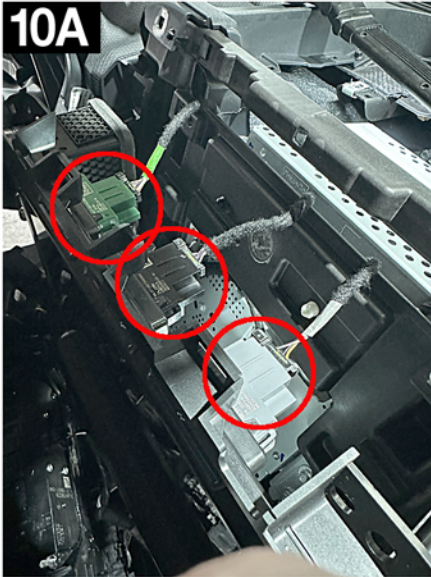


9. Remove the three (3) 7mm bolts located below the ignition key. Removing these will allow you to remove the instrument cluster bezel so you can remove the one (1) hidden 7mm bolt on the left side of the 12" touchscreen (Step 9B). When removing the instrument cluster bezel use a trim removal tool or similar to gently but firmly remove it from the dash. Use caution to prevent breaking any clips.

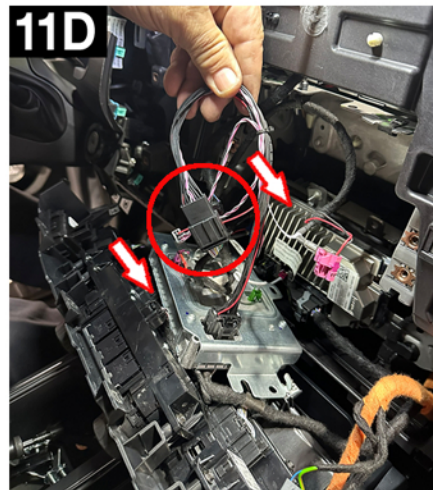
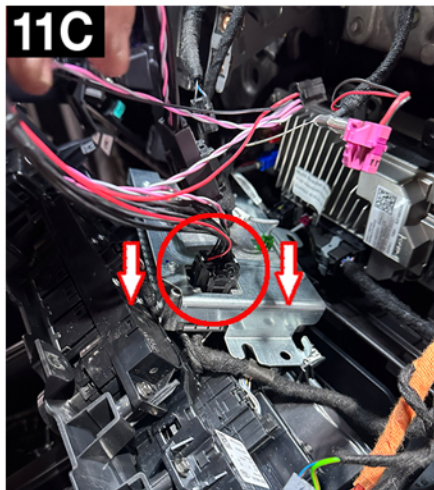
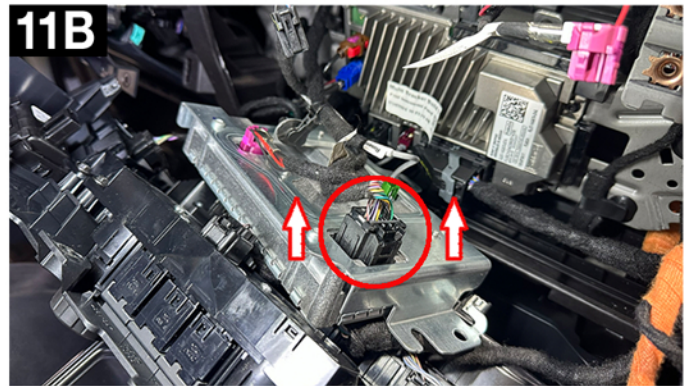
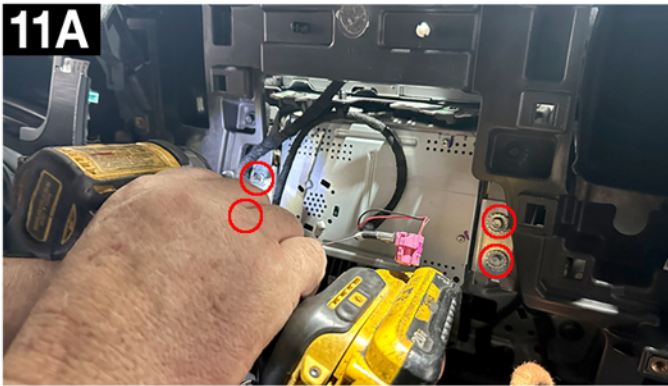




10. Remove the 12" touchscreen from the dash by first unplugging the five (5) connectors located on the back side of the touchscreen as shown in Steps 10A & 10B. When all connectors are unplugged, pull out the 12" touchscreen and put it in a safe location to prevent any damage.



11. Remove the four (4) 7mm bolts that hold the silver box located behind the touchscreen in place. On the back side of that silver box are two (2) connectors. Unplug the larger black connector as shown in Step 11B. Next plug in the connector on the Hypertech In-Line Speedometer Calibrator harness into the silver box (Step 11C). Finally, plug in the other connector on the In-Line Speedometer Calibrator harness into the factory connector that was removed in Step 11B as shown in Step 11D.





12. Safely tuck the Hypertech In-Line Speedometer Calibrator Module and harness behind the silver box, making sure not to pinch any of the wires or connectors. Then reinstall the silver box with the four (4) 7mm bolts.
13. Reinstall the 12" touchscreen removed in Steps 7-10 AND the climate control panel removed in Step 5. Do not reinstall the dash tray or any other interior trim pieces yet.
14. **Drive the Vehicle and verify the speed.** Prior to fully reinstalling the rest of the interior trim pieces it is advised to drive the vehicle to verify that the speed readings are correct. You can use a GPS reading from your cell phone to compare the dash speed reading. Do this test in a safe environment with little traffic to ensure your safety and those around you.

If the speed reading is accurate, you can now reinstall all other interior trim pieces in order of removal. Your installation is now complete.

If the speed reading is NOT accurate, you will need to remove the Hypertech In-Line Speedometer Calibrator, reconfigure the module on your PC, reinstall, then reverify the accuracy of the vehicle's speed reading.



### 1 Year Factory Direct Limited Warranty\*

Hypertech products are warranted against defects in materials or workmanship for one year from the date of purchase. Hypertech's liability under this warranty shall be limited to the prompt correction or replacement of any defective part of the product which Hypertech determines to be necessary. This limited one (1) year warranty is to the original purchaser providing all the information requested is furnished. You must retain a copy of your original sales invoice or receipt. Without proper documentation, a service fee will be applied. **Third party resellers and resold units are NOT covered under this warranty.**



### 30-Day Risk-Free, Money Back Guarantee\*

The 30-day money back guarantee applies to all Max Energy Spectrum Power Programmers, React Throttle Optimizers, Max Energy 2.0 Power Programmers, Max Energy Power Programmers, Interceptors, Speedometer Calibrators, In-Line Speedometer Calibrator Modules, and Power Chips for GM. The product **MUST** be returned to the place of purchase within thirty (30) days. All items must be received in a new, unused and ready-to-sell condition (including all original packaging, parts, and paperwork) to receive a refund, excluding any shipping and handling fees. **Units purchased used or reconditioned from a non-authorized Hypertech dealer, or units sold by 3rd-party vendors (i.e. ebay) are NOT covered under this guarantee.**

\* Effective date: 1.20