

These installation instructions show an example installation on a 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 6 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

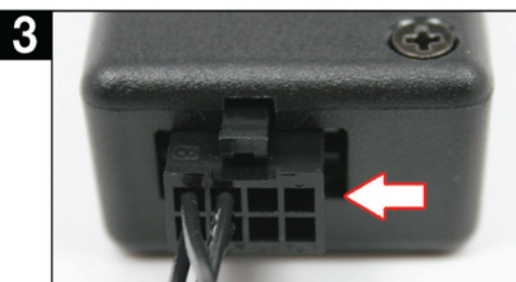
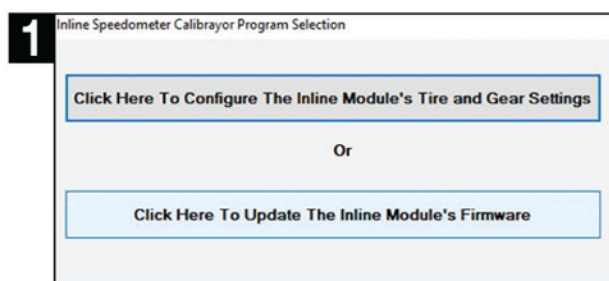
This step makes sure that the In-Line Speedometer Calibrator Module has the latest firmware installed. If the Tuner Update Software is not already installed on your PC, go to our website ([hypertech.com](http://hypertech.com)) and download the Tuner Update Software. Connect the In-Line Speedometer Calibrator 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.



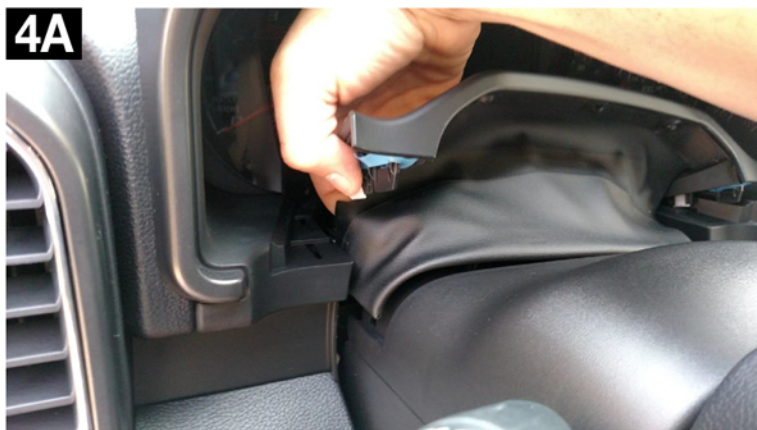


### **Installation Instructions (Vehicles NOT EQUIPPED w/12" SYNC4 Touchscreen)**

1. Set parking brake in case you need to move the shift lever from the Park position to facilitate the instrument cluster removal. Adjusting the steering column down and out will help as well.
2. Place masking tape, a towel or t-shirt over the steering column, wiper stalk, shift lever and the lower portion of the instrument cluster to protect them from damage or scratches.
3. The instrument cluster shroud is made up of two (2) pieces, an outer trim and a center section that covers the steering column. First remove the column shroud by grabbing on one side and pulling up on the front with your thumb as shown below and disengage both sides.



4. Next disconnect the vinyl column cover from the steering column itself. Reach under the backside of the cover and gently pull up, it will disconnect from the steering column rather easily. Completely remove this piece.

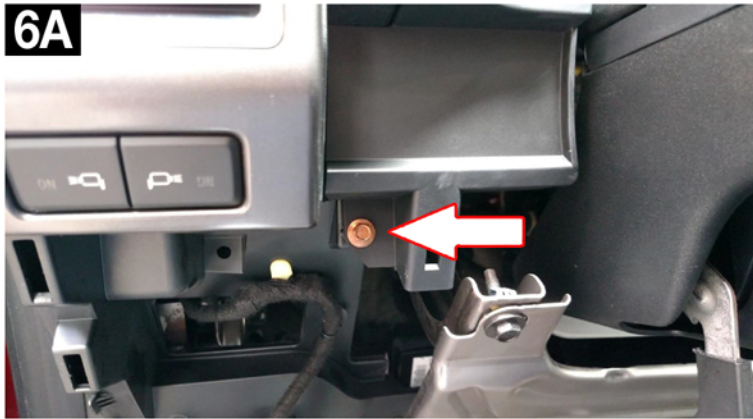




5. Raise steering column up to the highest position and reach behind the kick panel on the left and right side of the column and pull towards you to disengage the upper retaining clips. This allows access to the screws that retain the instrument cluster shroud.



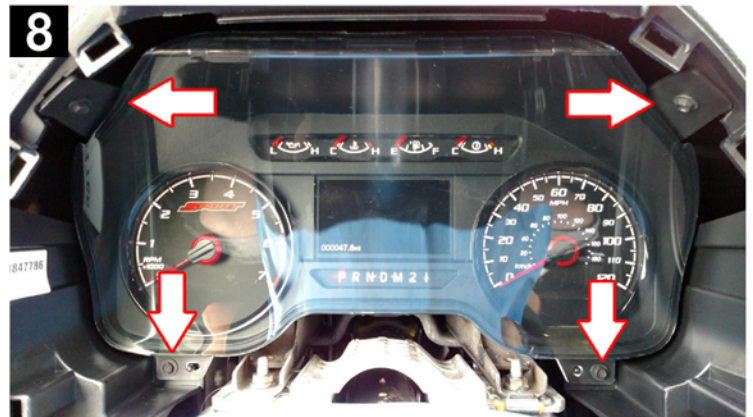
6. With the kick panel lowered, remove the two (2) 7mm screws that retain the instrument cluster shroud.



7. Remove the instrument cluster shroud by grasping the upper left and right sides and pulling towards yourself.



8. With access to the instrument cluster achieved, remove the four (4) 7mm screws that retain it.





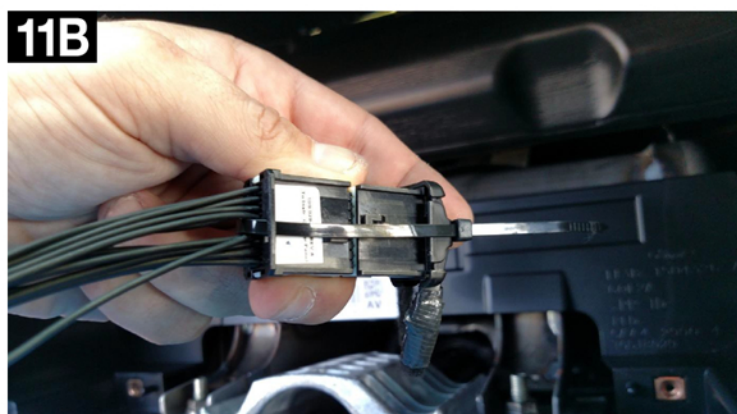
9. **POWER OFF** the vehicle for ten (10) minutes with the ignition key out of proximity of the vehicle to ensure the HSCAN bus powers down completely.



10. Slide the instrument cluster out and remove the connector from the back side. Press the tab in the middle above the arrow and remove. Slide the instrument cluster out.



11. Plug the male side of the In-Line Speedometer Calibrator Module harness into the factory instrument cluster connector as shown. Make sure that the locking tabs are both facing upright and slide a zip tie through the retaining tabs and through the hole on the bottom of the In-Line Speedometer Calibrator Module harness connector to ensure they do not become disconnected.



12. For the F150, tuck the harness and module on top of the air duct that runs inside of the instrument cluster cavity to gain clearance for installation. For the F250, access to the top of the duct is limited so insert the harness and module below and orientate them sideways.





13. Slide the instrument cluster back into the cavity and insert the In-Line Speedometer Calibrator Module harness into the instrument cluster. When sliding the instrument cluster back, be aware of the harness routing, access is limited and the harness and module must be tucked above or below the A/C ducting or the instrument cluster will not fit.
14. **Re-install the instrument cluster and dash trim in reverse of removal process shown earlier in this installation.** Be gentle with the vinyl steering column shroud cover, the retaining pins are easily deformed.
15. Start the vehicle and check for any warning signs or messages. Test drive the vehicle to ensure proper speedometer function. 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.

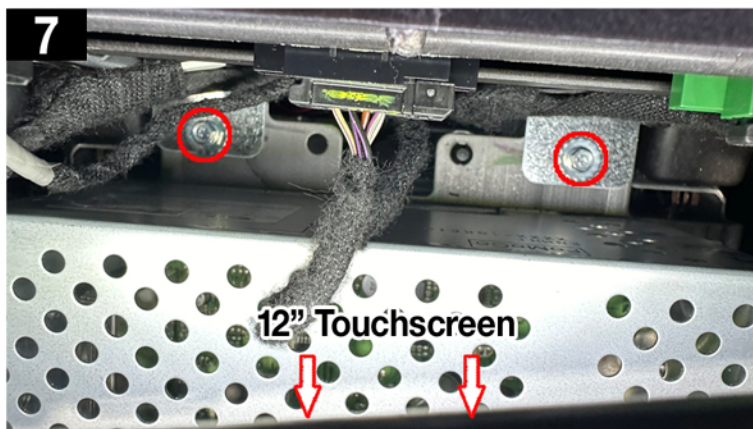




6. Remove the two (2) 7mm bolts holding dash tray in place. Then firmly pull up and remove the dash tray from the dashboard. Use caution to prevent breaking any clips.



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.

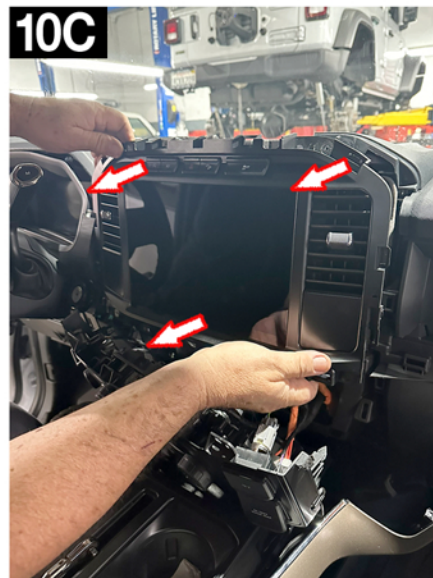
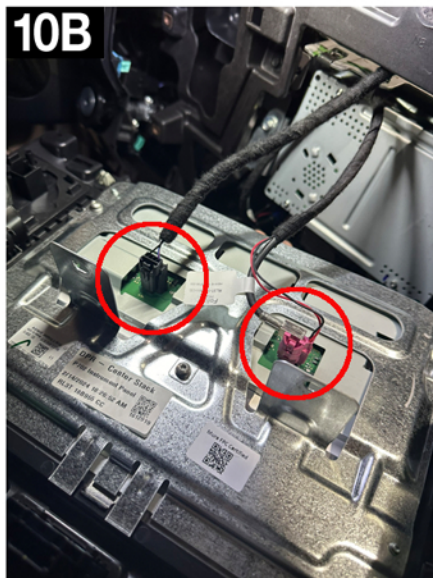
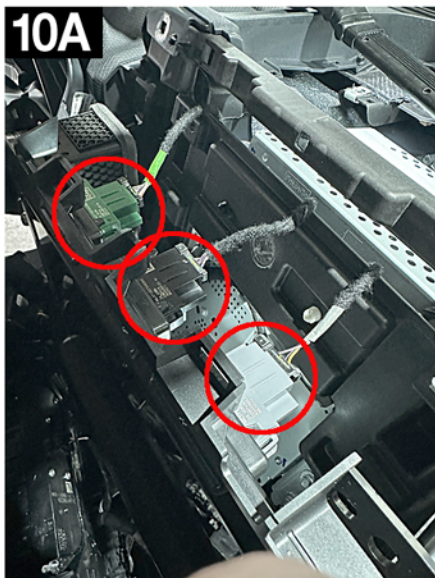


9. Remove the three (3) 7mm bolts located below the ignition key. Removing these will allow you to remove the instrument cluster bezel so you can remove the one (1) hidden 7mm bolt on the left side of the 12" touchscreen (Step 9B). When removing the instrument cluster bezel use a trim removal tool or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

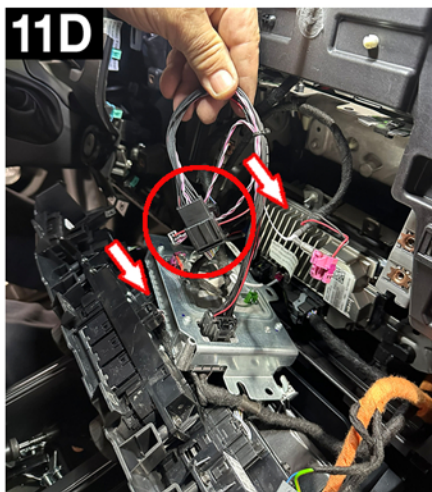
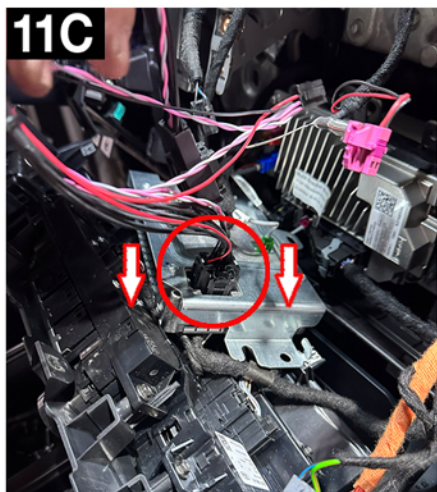
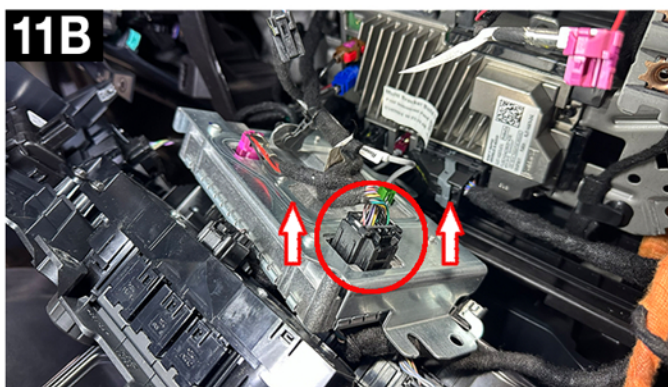
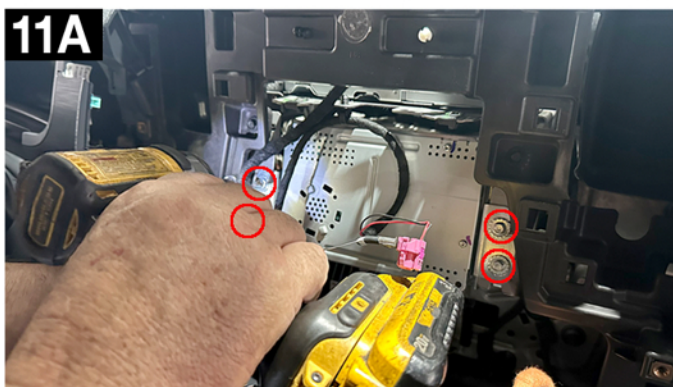




10. Remove the 12" touchscreen from the dash by first unplugging the five (5) connectors located on the back side of the touchscreen as shown in Steps 10A & 10B. When all connectors are unplugged, pull out the 12" touchscreen and put it in a safe location to prevent any damage.



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