Rough Country 90015 Installation Instructions

Speedometer Calibrator for Ford F-150 and Bronco (2021-2023)

Part number: 90015

trailfortress.com/rough-country-speedometer-calibrator-90015

Scan for fitment, price and install help

929001500

FORD F-150 Speed Calibrator Install

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.
Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.
Periodically check all hardware for tightness.

Kit Contents:
Speed Calibrator x1

Tools Needed:
7mm Socket
Plastic Pry Tool

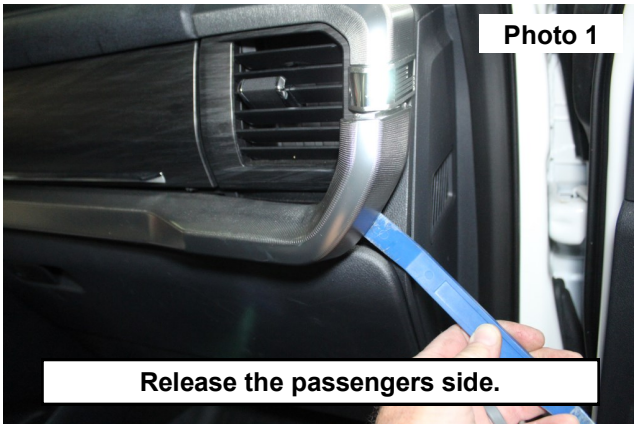


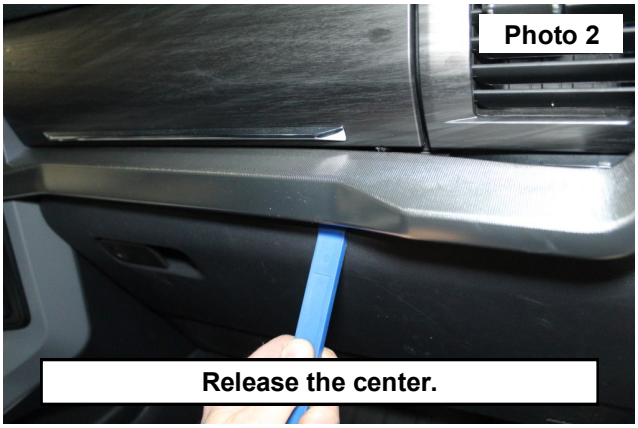
Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

INSTALLATION INSTRUCTIONS
For Applications not equipped with the 12" Sync 4 Touch screen

1. Release the clips from the center dash trim from out side inward, using a plastic interior pry tool. **See Photo 1.**
2. Release the center of the dash trim above the glove box. **See Photo 2.**





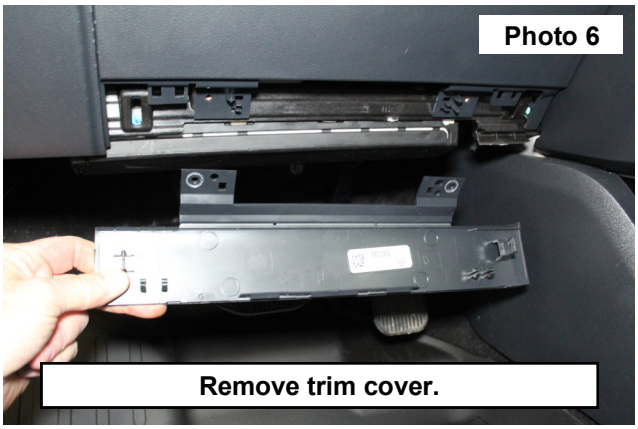
3. Release the dash trim panel just below the radio. **See Photo 3.**
4. After all the clips have been released and tilted outward. Remove the starter button harness from the dash panel. **See Photo 4.**





5. Open the lower steering column trim and remove the (2) bolts using a 7mm socket. **See Photo 5.**
6. Remove the lower trim cover from the dash. **See Photo 6.**





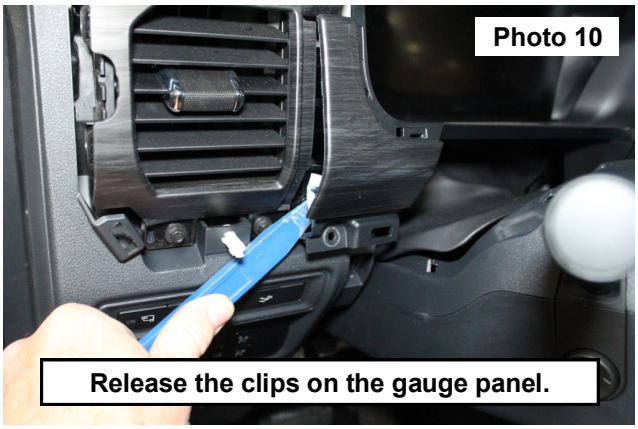
7. Remove the lower steering column trim panel using a plastic interior pry tool. **See Photo 7.**
8. Remove the (2) bolts on each side of the trim panel around the gauges using a 7mm socket. **See Photo 8.**





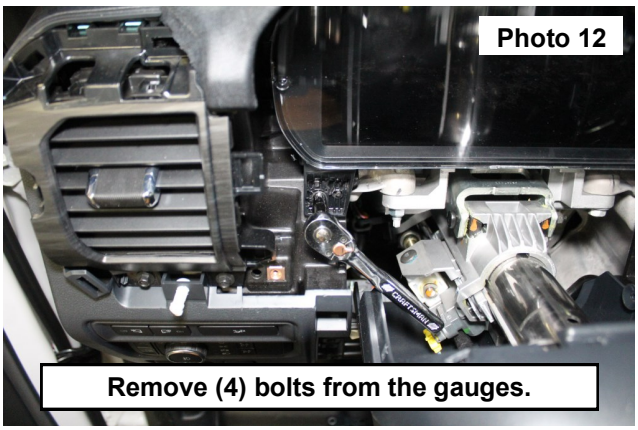
9. Release the dust cover over the steering column using a plastic interior pry tool. **See Photo 9.**
10. Release the trim panel around each side of the gauges using a plastic interior pry tool. **See Photos 10 and 11.**



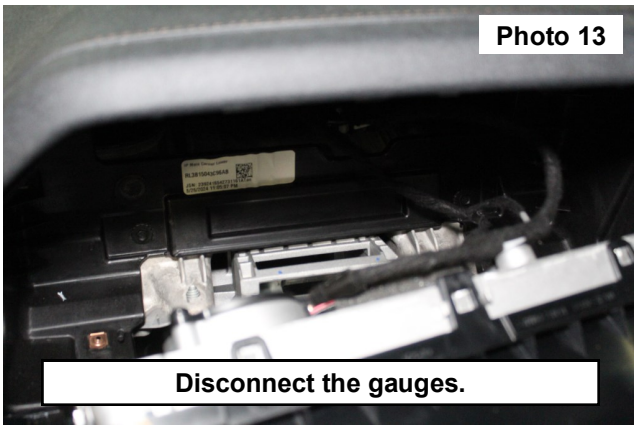


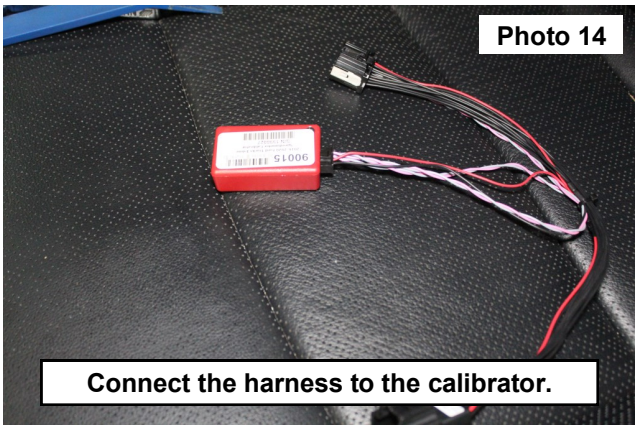
11. Remove the (4) bolts on each corner of the gauges using a 7mm socket. **See Photo 12.**





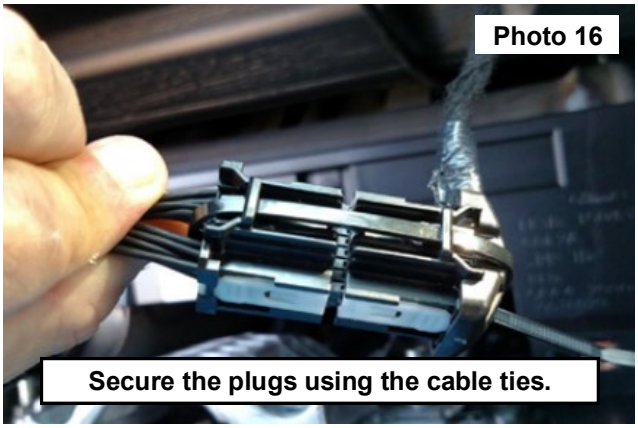
12. Disconnect the harness from the gauge cluster. **See Photo 13.**
13. Locate the inline speedometer and connect it to the wiring harness. **See Photo 14.**



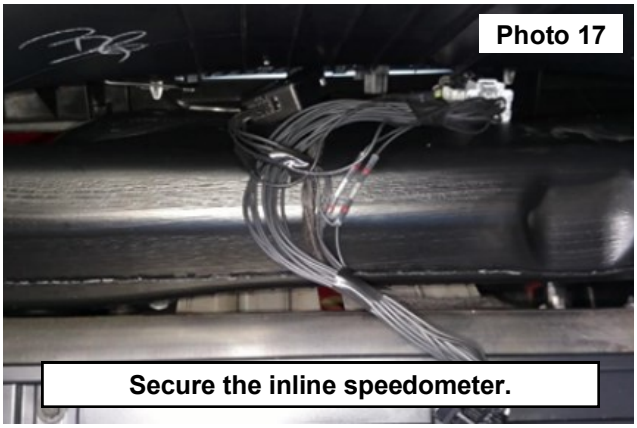


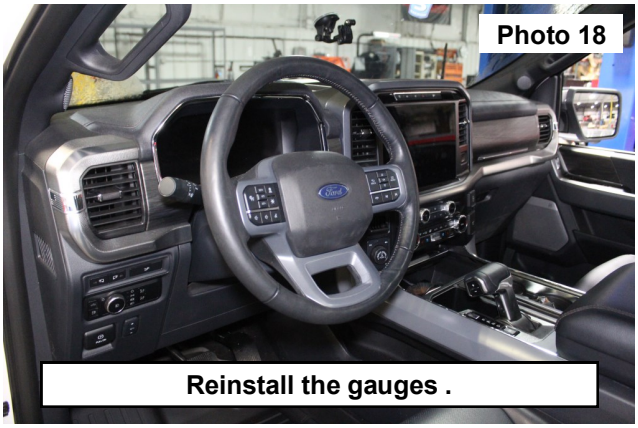
14. Connect the inline speedometer harness to the back of the gauges. **See Photo 15.**
15. Connect the inline speedometer harness to the vehicle harness and secure by using (2) of the supplied wire ties around each plug. **See Photo 16.**





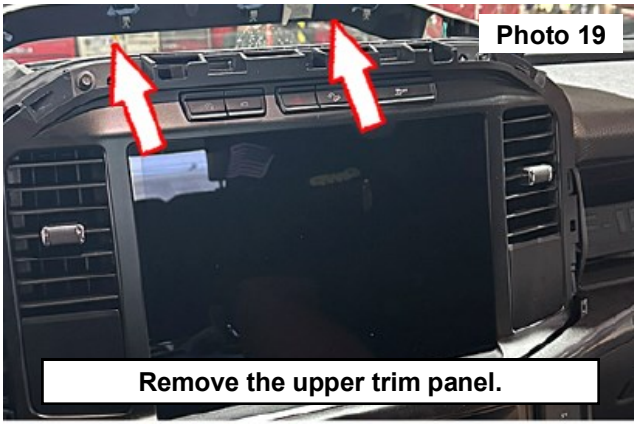
16. Secure the inline speedometer in a safe location in the dash behind the gauges. **See Photo 17.**
17. **NOTE:** The speedometer calibrator can be wrapped in padding incase of vibration to prevent noise.
18. Reverse steps 1-11 to secure the gauges into the dash. **See Photo 18.**

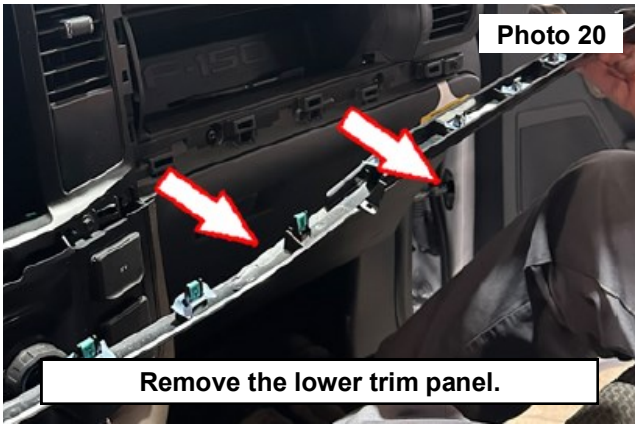




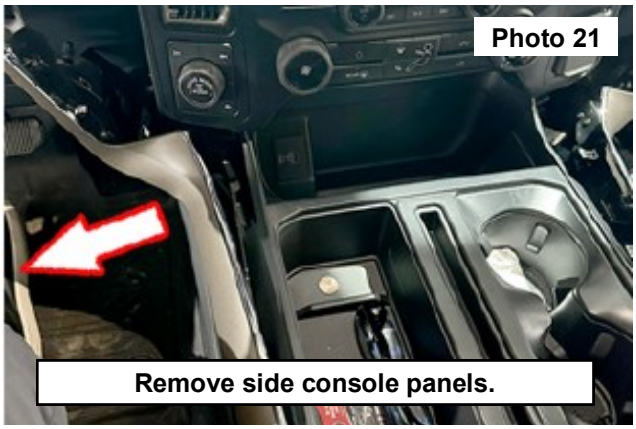
INSTALLATION INSTRUCTIONS
For Applications equipped with the 12” Sync 4 Touch screen

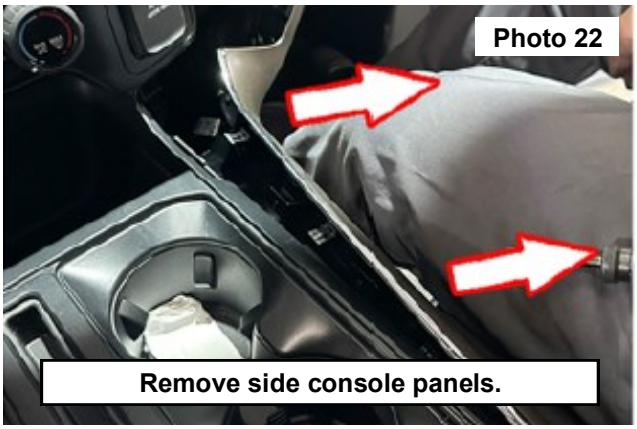
19. Remove the upper trim above the touchscreen using a plastic interior pry tool. **See Photo 19.**
20. Remove the lower trim below the touchscreen using a plastic interior pry tool. **See Photo 20.**
21. NOTE: Use caution to prevent damaging any clips.



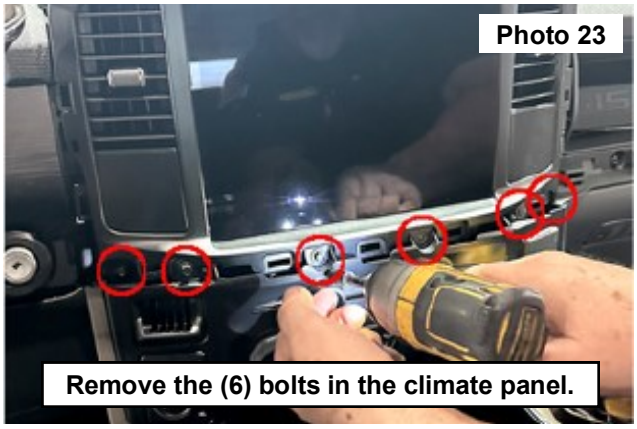


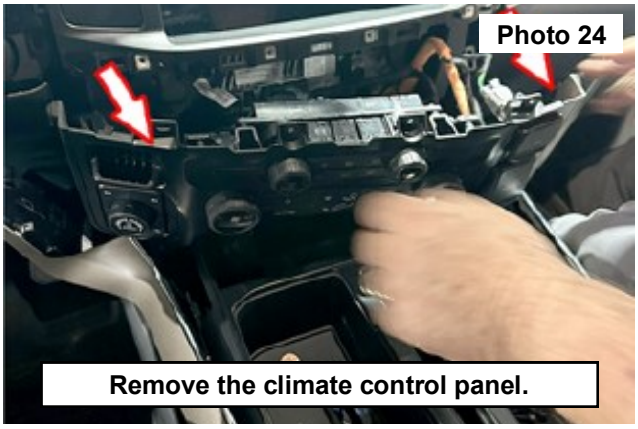
22. Remove the side panels on each side of the console. **See Photo 21 and 22.**



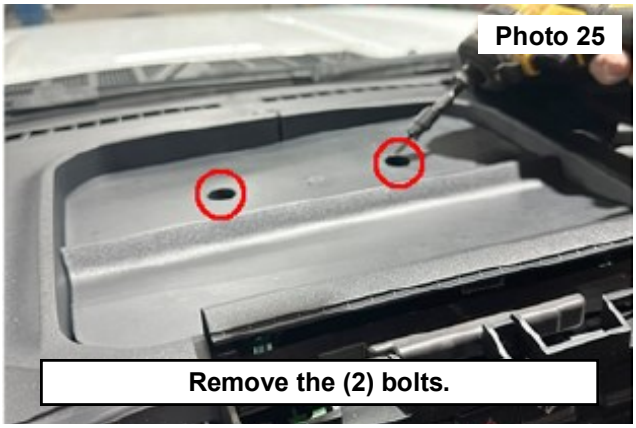


23. Remove the (6) bolts in the climate control panel. Pull the climate control panel away from the dash. **See Photos 23 and 24.**



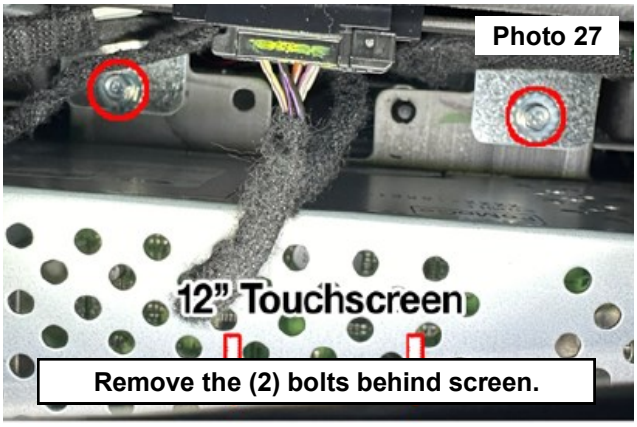


24. Remove the (2) bolts in the top of the dash tray, pull the dash tray up releasing the clips. Set aside for later use. **See Photos 25 and 26.**



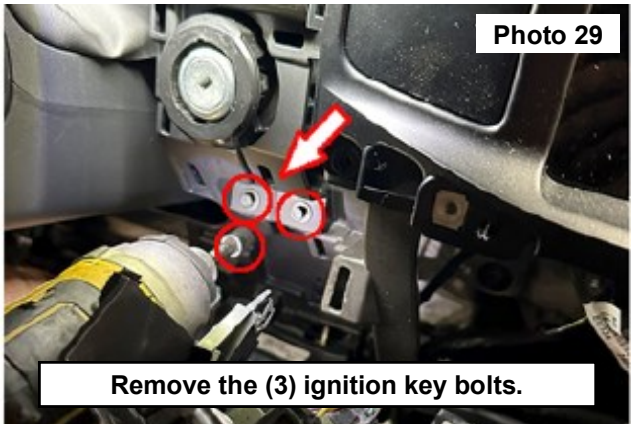


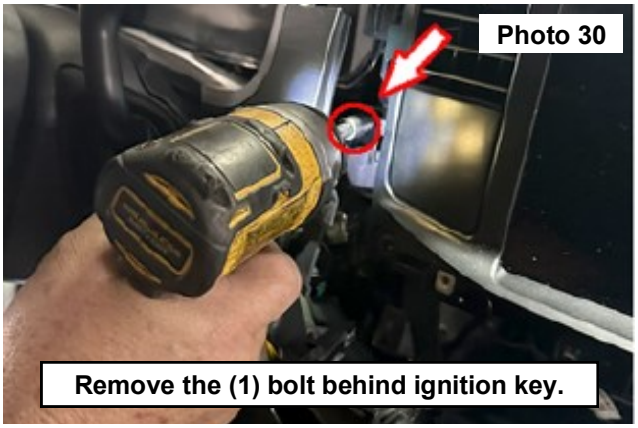
25. This view shoes the (2) bolts that will be removed from behind the 12” screen. **See Photo 27.**
26. Remove the (2) bolts at the top of the screen. **See Photo 28.**



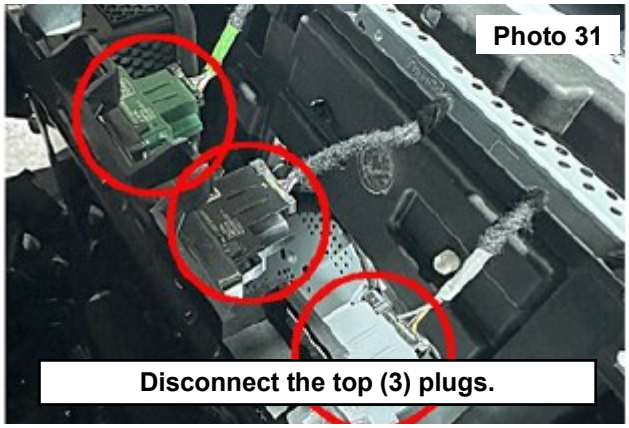


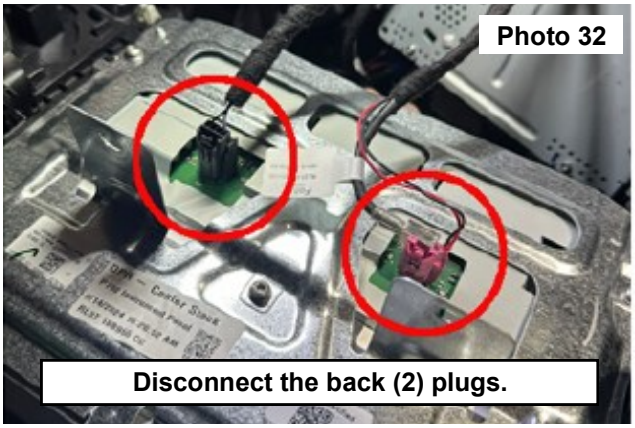
27. Remove the (3) bolts located below the ignition key. Then remove the touch screen bezel, this will expose the (1) remaining bolt in the touch screen. **See Photos 29 and 30.**



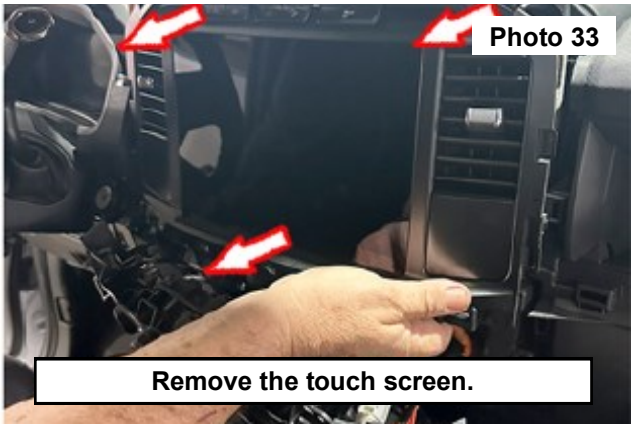


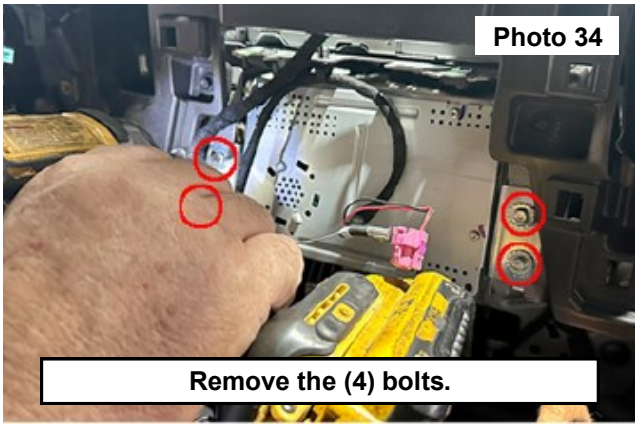
28. Remove the touch screen from the dash and unplug the (5) plugs located on the back of the touchscreen as shown. **See Photos 31 and 32.**



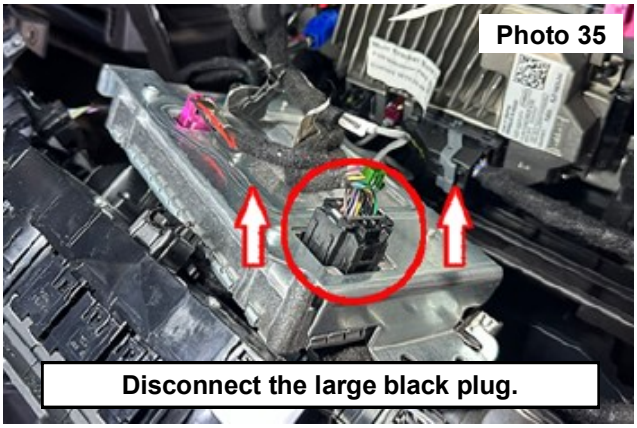


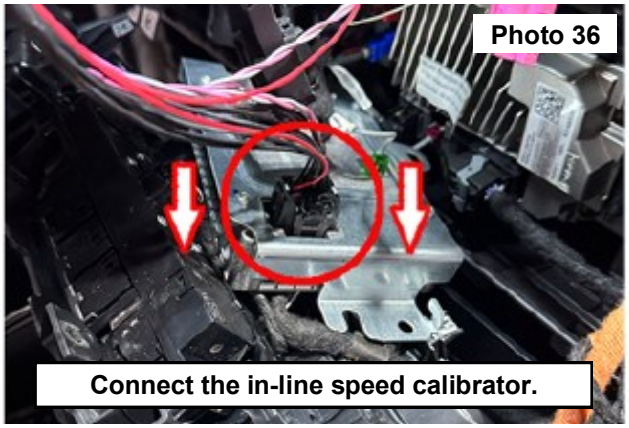
29. Once the (5) plugs have been disconnected remove the touch screen from the dash and place in a safe location. **See Photo 33.**
30. Remove the (4) bolts from the silver box located behind the touch screen. **See Photo 34.**



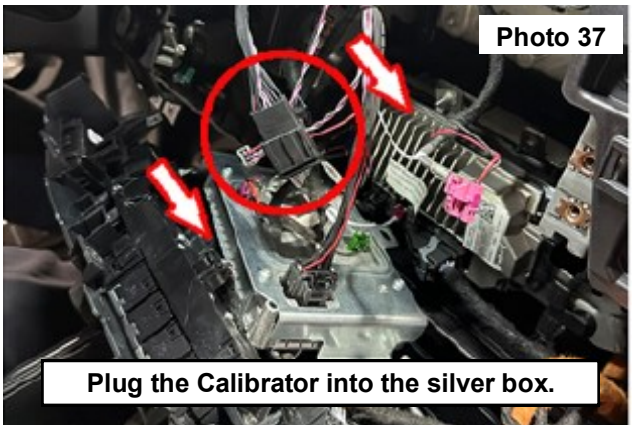


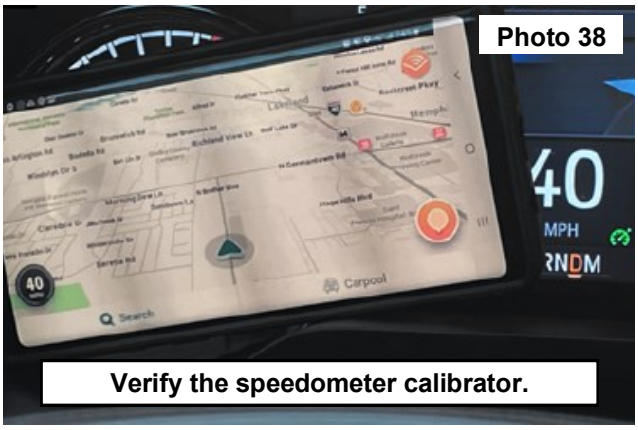
31. Locate the (2) plugs on the silver box, only disconnect the larger black plug from the silver box. **See Photo 35.**
32. Plug the large connector from the in-line speedometer calibrator harness into the silver box. **See Photo 36.**





33. Plug the large connector from the OE wiring harness into the in-line speedometer calibrator harness. **See Photo 37.**
34. Safely place the in-line speedometer calibrator and harness behind the silver box in the dash, make sure wires between each of the components do not get pinched and are secured in a safe location. Reinstall the silver box using the retained hardware.
35. Reinstall the touch screen connecting the (5) plugs on the back side.
36. Install and secure the climate control unit using the retained hardware. Stop here installing the remaining dash trim panels.
37. **Drive the vehicle and verify the speed has been updated**. This can be done by using a map or GPS service for tracking. Perform this test in a safe environment with little or no traffic to ensure your safety and those around you. **See Photo 38.**
38. If the calibrator is accurate, you can now reinstall the remaining trim pieces in reverse from removal.
39. **If the speed reading is NOT accurate. You will need to remove the in-line speedometer calibrator, reconfigure the module on your PC, reinstall, then reverify the accuracy of the vehicle's speed reading.**





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