TRAIL FORTRESS

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Rough Country 90047 Installation Instructions

Speedometer Calibrator for Ram 1500, 2500 & 3500 (2019–2023)

Part number: 90047

trailfortress.com/rough-country-speedometer-calibrator-90047

Scan for fitment, price and install help

90047

ROUGH COUNTRY SUSPENSION SYSTEMS®

RAM 19-21 1500/2500/3500 GAS & DIESEL

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

Please read instructions before beginning installation.

Please note that the calibrator must be updated before installation is attempted. Go to *https://www.roughcountry.com/speedcal-update to update the calibrator to the most recent update.*

If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.



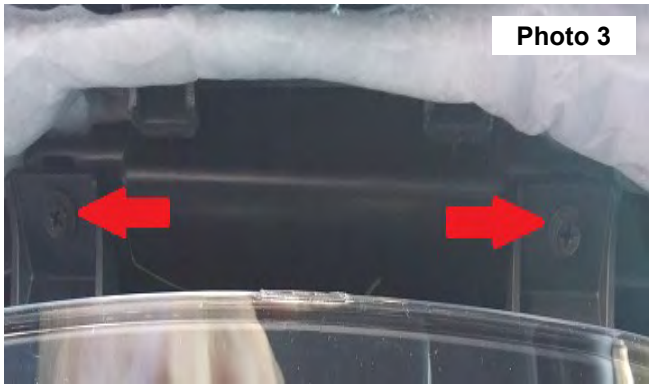
INSTALLATION INSTRUCTONS

1. Move the driver's seat toward the rear of the truck. **See Photo1**.
2. If equipped, push down on the lever to the left side of the steering wheel. This will allow the steering wheel to be moved down and extend it to the rear. **See Photo 2**.



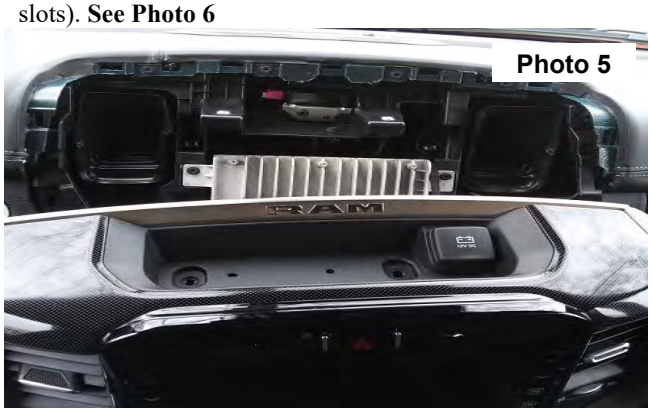


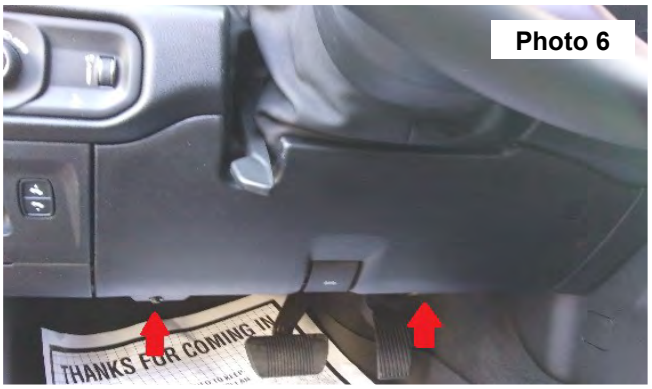
3. To remove the instrument cluster bezel, first pull down on the top until the 3 tabs are loose. Next, pull the top corners toward the rear of the truck. Finally, hold the sides of the bezel and pull toward the rear of the truck.
4. Remove the 2 screws from the top of the instrument cluster. **See Photo 2**.
5. Lift out the rubber mat from the top of the instrument panel (flat screen). Remove the 2 screws with either a Philips screwdriver or a 7mm socket. **See Photo 4**.





6. To reduce the risk of damaging the instrument panel, place padding on the center console. Gripping the instrument panel by the top storage area, pull toward the rear of the truck. **See Photo 5.**
7. Remove the lower knee-panel directly under the steering wheel by removing the 2 screws with a 7mm socket wrench (no Philips slots). **See Photo 6**





8. Pull the panel toward the rear of the truck to release the tabs holding the panel in place.

9. Remove the 4 pieces of trim beside the steering wheel. The upper-pieces of trim have clips at the bottom, but hooks at the top. **See Photo's 7-10.**


Photo 7


Photo 8



Photo 9



Photo 10

10. Remove the 4 screws holding the cloth dust-cover over the steering column. Pull the plastic out of the way to reveal the lower 2 screws holding the instrument cluster in place. **See Photo's 11 & 12**.

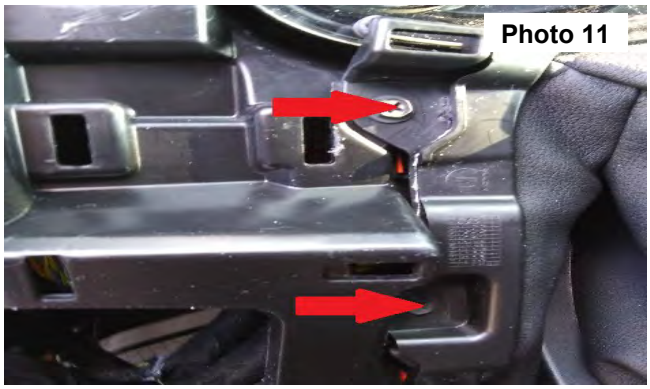


Photo 11

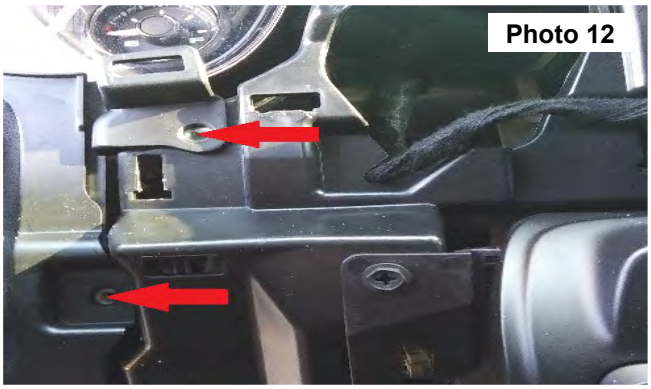


Photo 12

11. Remove the 2 bottom screws holding the instrument cluster in place. **See Photo 13.**
12. Lean the cluster forward and gently pull out until the brown, 20-pin connector on the rear is visible**. See Photo 14.**
13. Push the tab, and wiggle from side-to-side to remove the connector from the cluster.

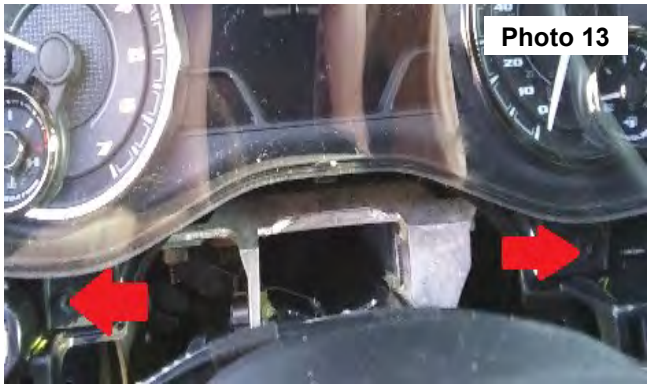


Photo 13

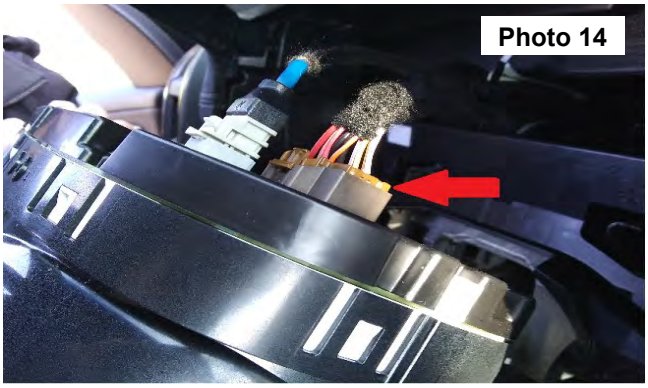
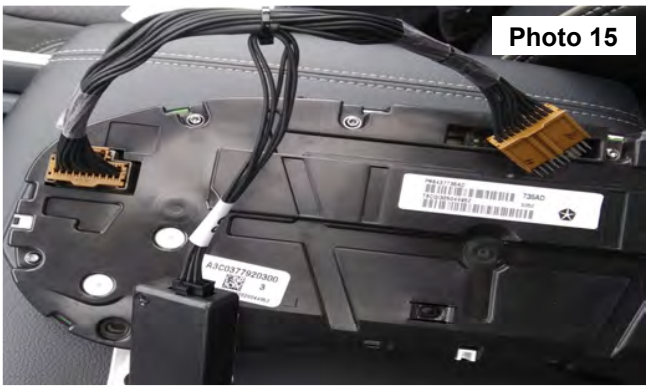
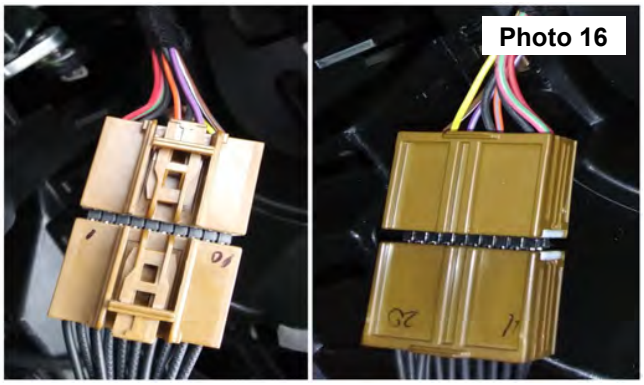


Photo 14

14. Connect the black Molex connector to the Rough Country Calibrator module. **See Photo 15.**
15. Insert the female end of the harness into the connector on the back of the instrument cluster. **See Photo 16.**





16. Position the harness and module in the cavity behind the instrument cluster. **See Photo 17.**



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