



CS-FLVL-EV25-17 - 2017 Ford E-Venture 2.5/3.5

Fitment
2017+ F250/350 4x4

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Note

Please review the product instructions prior to attempting installation to ensure installer is equipped with all tools and capabilities necessary to complete the product installation. We recommend thoroughly reading the instructions at least twice prior to attempting installation.

Before beginning disassembly of the vehicle, check the "What's Included" section of the instructions to ensure you've received all parts necessary to complete installation. Further, verify that the parts received are PROPER TO YOUR application (year range, motor, etc.) to avoid potential down-time in correcting potential discrepancies. Any discrepancies will be handled by Carli Suspension and the correcting products will be shipped UPS Ground.

Parts Checklist

- (Qty. 1) - CS-FLC-05 - Coil Springs
- (Qty. 1) - CS-FCASTERSHIM-2.5 - 2° Caster Shims
- (Qty. 1) - CS-FBDF-2.5-17 - High Clearance Bump Stop Drops, Front
- (Qty. 1) - CS-FATB-17 - Adjustable Track Bar
- (Qty. 1) - CS-FORDBBL-17-F - Front Brake Lines
- (Qty. 1) - CS-FRM-25 - Reservoir Mounts
- (Qty. 1) - CS-FEV25SPKG-LVL-17 - Shock Package
 - Box 1: Front Shocks
 - Box 2: Rear Shocks
 - Box 3: Electronics
 - IMU
 - Touch Screen with 17-22 Mount & 23+ Mount
 - ECU
 - ECU Harness
 - Front Shock Harness
 - Rear Shock Harness
 - Communication Harness
 - Power Harness

Installation Instructions

1. Follow Instructions in “CS-FORDBBL-17-F - Extended Front Brake Lines” Box
2. Follow Instructions in “CS-FLRC-05 - 2.5 Linear Rate Coil Spring” Box - MAKE SURE TO INSTALL THE RESERVOIR MOUNTS
3. Re-secure the brake lines to the front axle and reconnect the vacuum lines. The steering should turn lock to lock with NO tire contact on the brake lines & no brake line bracket contact on the coil springs. **Once confirmed, use a pair of pliers to “crimp” the slip-joint on the brake line bracket to ensure no movement.** Secure the ABS lines to the new brake lines with zip-ties, bleed the brakes (if you haven't, already) and double-check all new front line routing for clearance.
4. Follow Instructions in **SWAY BAR option** Box - (Sway bar drops, End Link Kit or Torsion Sway Bar)
5. Remove factory track bar, this will not be reinstalled.
6. Install your rear spring option (add-a-pack or Full Springs using the instruction included with that product).
7. **Follow instructions for EVENTURE Shock Package (if not in the box, they'll be available on the product page on the Carli website—scroll to the bottom of the product page and click the “Instructions” tab).**
8. Follow instructions in “CS-FATB-17 - 2017 Adjustable Track Bar” Box.
9. **If optioned with Carli Radius Arms, Skip this step:** Follow instructions in the caster shim box.
10. Set the truck on the ground and double check all fasteners for tightness.
11. Pull the truck out and take it for a spin around the block to confirm all is seated - then park the truck on a CONFIRMED level platform.
12. With the truck on, you should have power to the touch screen. After 30 seconds, the touch screen defaults to the screen showing correction at each corner.
13. Swipe left and you'll see a “speed” screen; swipe left one more time to reveal the Roll/Pitch screen.
14. Have an assistant use a 4mm allen to adjust the tilt of the IMU under the hood until these values read 0° and 0°, then tighten the IMU adjustment screws. WE RECOMMEND BLUE LOCTITE on this hardware to avoid vibrations rattling this loose.
15. This IMU calibration completes the installation of the EVenture Shock Package.
16. We recommend taking the vehicle for a full steering alignment upon completion of this suspension installation.
17. Retorque all fasteners after 500 miles as per the values in this instruction.