Addictive Desert Designs

2017 – Current Ford SuperDuty Adaptive Cruise Control Relocation Bracket
Installation Instructions

PREPARATION

1. Disconnect the negative terminal on the battery. Park the vehicle on level ground and set the emergency brake.
2. We recommend reading through the installation instructions in whole before performing the work.
3. Estimated Installation Time: 2 Hours
4. You will need the following tools:
   a. Ratchet
   b. 10mm Socket
   c. 11mm Socket
   d. E6 External Torx Socket
   e. 3/8” Drill Bit
   f. Drill
   g. 7/32” Allen Wrench or Allen Key Socket
   h. 7/16” Socket and Wrench
   i. 9/16” Socket and Wrench
   j. Side Cutters
   Note: this installation requires 2 people for best results
5. Included in Kit:
   3 – Hex Head Bolts – 3/8”-24 x 1 1/2”
   2 – Hex Head Bolts – 3/8”-16 x 2 1/2”
   3 – Button Head Bolts – 3/8”-16 x 3/4”
   6 – Flat Washers – 3/8”
   5 – Nylon Locking Nuts – 3/8”-16
   3 – Metal Locking Nuts – 3/8”-24
   1 – Machined Aluminum Spacers
   2 – Hex Head Bolts – 1/4”-20 x 3/4”
   1 – Carriage Bolts – 1/4”-20 x 3/4”
   5 – Flat Washers – 1/4”
   3 – Nylon Locking Nuts – 1/4”-20
   1 – Relocation Bracket Upper Piece
   1 – Relocation Bracket Lower Piece

****By installing this product, you are accepting liability for potential changes in the characteristics/sensitivity of your adaptive cruise control system. If you do not wish to install this product, you may return it for a full refund.****

**After the installation of this product, your adaptive cruise control module may have to be recalibrated by a Ford technician**
REMOVAL

1. Under the hood of your vehicle, remove the radiator cover. Do this by removing the 14 clips that hold it on. (Fig A)

2. Use a 10mm Socket to remove the grille mounting bolts (x8). (Fig B)

3. Pull the grille off. As you are pulling the grille off, make sure the unplug the front camera and water line (on the back side of the grille). (Fig C)
4. On the driver side of the vehicle, pull off the plastic cover referenced in Fig D. This cover simply pulls off by hand, there are no tools required for this step.

5. Remove the two 10mm bolts holding on the second plastic cover on the driver side of the front bumper. Then remove that cover. (Fig E)
6. Using an 11mm Socket, remove the Adaptive Cruise Control Module mounting nuts (x3). (Fig F)

7. Unplug the module. (Fig G)

8. Using an E6 External Torx Socket, remove the Adaptive Cruise Control Module mounting studs (x3). Then, remove the module from the vehicle. (Fig H)
9. Remove the stud/plastic sleeve from the Adaptive Cruise Module. (Fig I)

10. From here, proceed with the installation of your new ADD Bumper. After installation is complete, finish the rest of this guide.

11. Prepare to install your new ADD Adaptive Cruise Control Bracket.

INSTALLATION

1. Assemble your Relocation Bracket. For this step, you will need a 7/16” Socket & Wrench. Use the supplied 1/4” Hex Head Bolts (x2), 1/4” Washers (x4), and 1/4” Nylon Lock Nuts (x2) on the non-slotted holes. For the slotted hole, use the supplied 1/4” Carriage Bolt (x1), 1/4” Washer (x1) and 1/4” Nylon Lock Nut (x1). (Fig J)

2. The recommended starting point for the slotted hole is center slot. (Fig K) Once everything is installed, you can adjust that to preference. Once all the mounting bolts are in place, go back and tighten them all to 8 foot pounds.
3. Bolt your Adaptive Cruise Control Module to the Relocation Bracket. Use a 7/32” Allen Wrench and a 9/16” Wrench with the supplied 3/8” Button Head Bolts (x3) and 3/8” Lock Nuts (x3). Once all the bolts are loosely installed, torque them to 20 foot pounds. (Fig L)

4. Position the Relocation Bracket as shown in Fig M. Then, use the bracket as a template to drill up into the plastic above it. Only the two mounting holes closer to the center of the truck are used.
5. With a 9/16” Socket and Wrench, mount the bracket to the plastic above it. Use two of the supplied spacers on the left (passenger) side mounting bolt and one of the supplied spacers on the right side mounting bolt. Use the supplied 3/8” x 2 1/2” Hex Head Bolts (x2), 3/8” Washers (x6), and 3/8” Nylon Lock Nuts (x2) (Fig N) Once the bracket is bolted in place, readjust the bolt from Installation Step 2. Set the bracket so that it is parallel to the grille, then point it about 2 degrees upwards (towards the sky) and tighten the adjustment nut.

6. Remove the front bumper harness from the OEM front bumper. Do this by removing the series of plastic clips that hold it in place.

7. Locate the connector that the front bumper harness plugs in to. (Fig P)
8. Starting at the connector from Installation Step 7, follow the harness back and remove all plastic clips you can reach.

9. Pass the Connector from Installation Step 7 up through the engine bay as shown in Fig Q.
10. Take the harness you removed in Installation Step 6 and plug it into the connector from Installation Step 9. (Fig R)

11. Feed the Adaptive Cruise Module Connector through the grille area as shown in Fig S. Then, plug it into your adaptive cruise control module.

12. At this time, you may zip tie the extra wiring out of the way, or you can cut off and cap the unused wires.

13. Reinstall the grille and radiator cover by reversing Removal Steps 1-3. As you reinstall the grille, you will need to clearance the top plastic piece to clear the right mounting bolt. (Fig T)
14. If your adaptive cruise control is not sensitive enough or too sensitive, go back and readjust the position of the Relocation Bracket. Do this by adjusting where the bolt from Installation Step 2 is sitting within the slotted hole. Face the module more towards the ground to make it more sensitive or face it more towards the sky to make it less sensitive.

15. Stand back and enjoy your new ADD Adaptive Cruise Control Relocation Bracket.

16. Check and re-tighten if needed, all mounting bolts after 100 miles and periodically thereafter.

For Additional Support or Technical Questions, Please Call 480.671.0820 or Email info@addictivedesertdesigns.com