

ADDICTIVE DESERT DESIGNS

1999 – Current Ford SuperDuty HoneyBadger Chase Rack 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. You will need the following tools:
 - a. 7/32" Allen Wrench or Allen Key Socket
 - b. 9/16" Socket or Wrench
 - c. 5/32" Allen Wrench or Allen Key Socket
 - d. 7/16" Socket or Wrench
 - e. 3/4" Socket and Wrench
 - f. 1/2" Drill Bit
 - g. Ratchet

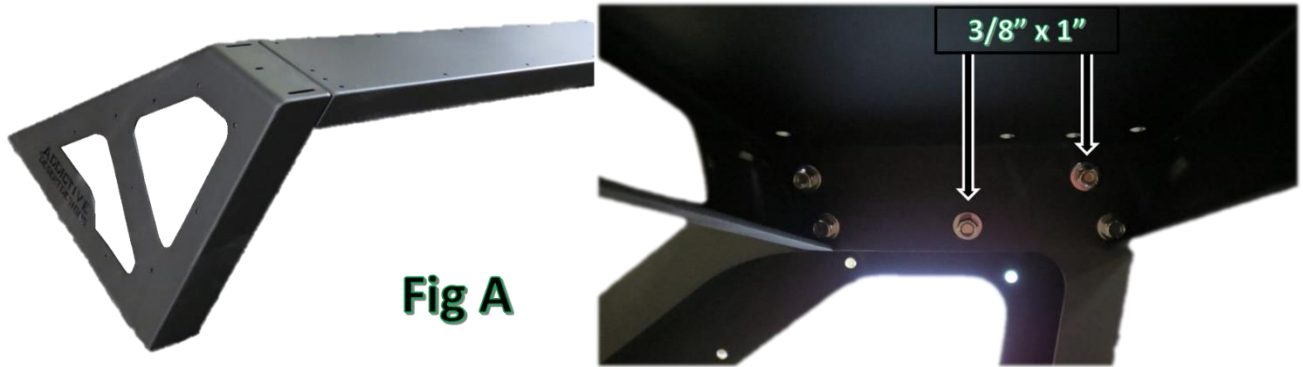
Note: this installation requires 2 people for best results

4. Included in Kit:

Roof Rack	Chase Rack	Tire Carrier	Total	
74	26		100	3/8-16 x 3/4" Button Head Bolt
4	4	30	38	3/8-16 x 1" Button Head Bolt
78	30	30	138	3/8" Flat Washer
78	30	30	138	3/8-16 Nylon Lock Nut
	6		6	1/2-13 x 1 1/2" Hex Head Bolt
	12		12	1/2" Flat Washer
	6		6	1/2-13 Nylon Lock Nut
	6		6	Chase Rack Mounting Backing Plates
		1	1	Tire Spinner
16			16	1/4-20 x 1" Flat Head Bolt
16			16	1/4" Flat Washer
16			16	1/4-20 Nylon Lock Nut
2			2	5/16-18 Nut Clip
2			2	Southco Locking Latch
2			2	Rubber Load-Rated Bumper
4			4	Flat Leaf Hinge
2			2	Hinge Spacer
		2		Chase Rack Side Piece
		1		Chase Rack Center Section
		2		Honeycomb Plates
2				Roof Rack Side Pieces
1				Roof Rack Front Piece
1				Roof Rack Rear Piece
3				Roof Rack Support Rails
		2		Tire Carrier Arms
		1		Tire Carrier Center Section
		1		Tire Carrier Cross Member
		2		Tire Carrier Mounting Brackets

ASSEMBLY & INSTALLATION

1. Line one of the Chase Rack Side Pieces up with the Chase Rack Center Section. Use the supplied 3/8" x 3/4" Bolts (x6), 3/8" x 1" Bolts (x4), 3/8" Washers (x10), and 3/8" Locking Nuts (x10) to hold them together. Refer to Fig A for where to put the longer bolts. Repeat this step with the other Chase Rack Side Piece.



2. Install the Honeycomb Plates on the inner part of the chase rack sides. Use the supplied 3/8" x 3/4" Bolts (x20), 3/8" Washers (x20), and 3/8" Locking Nuts (x20). Refer to Fig B



3. If you are installing the tire carrier section, please follow Steps 4-8. Otherwise, please skip to Step 9.
4. Install the two upper arms for the tire carrier. These arms share 2 bolts (that are already in place) per arm with the center section of the Chase Rack. Use the supplied 3/8" x 3/4" Bolts (x4), 3/8" Washers (x4), and 3/8" Locking Nuts (x4), to finish installing the tire carrier arms. Refer to Fig C.



5. Locate the Tire Carrier Center Section and bolt it to the two Tire Carrier Arms. Use the supplied 3/8" x 3/4" Bolts (x6), 3/8" Washers (x6), and 3/8" Locking Nuts (x6). Refer to Fig D.

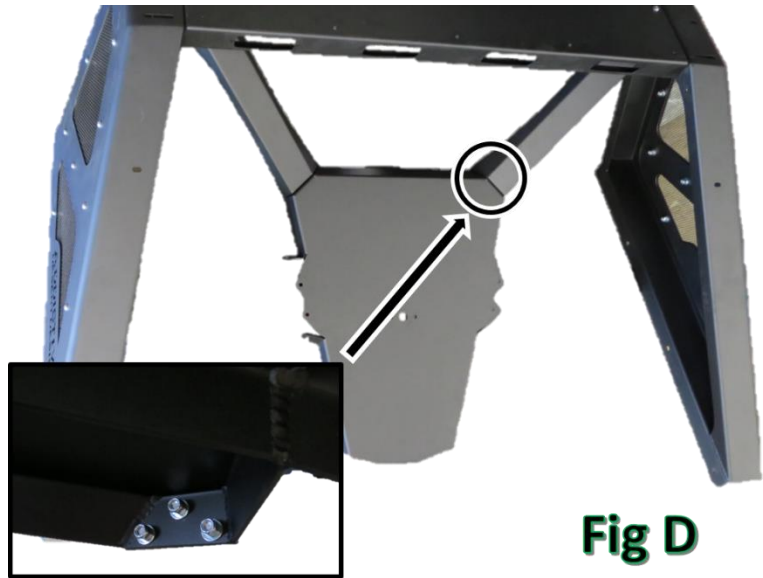


Fig D

6. Secure the Tire Carrier Cross Member to the back of the Tire Carrier Center Section. Use supplied 3/8" x 3/4" Bolts (x8), 3/8" Washers (x8), and 3/8" Locking Nuts (x8). Refer to Fig E.

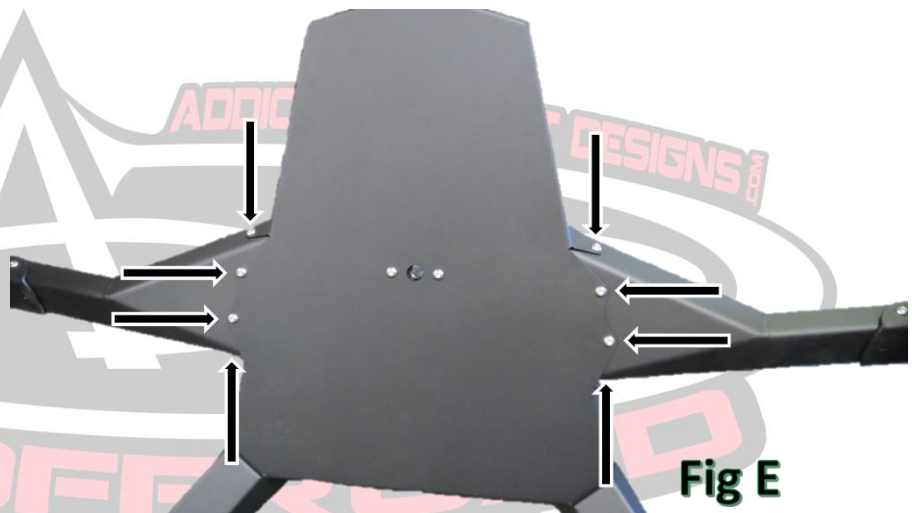


Fig E

7. Connect the Tire Carrier Mounting Brackets to each end of the Tire Carrier Cross Member. Use the supplied 3/8" x 3/4" Bolts (x10), 3/8" Washers (x10), and 3/8" Locking Nuts (x10). Refer to Fig F.

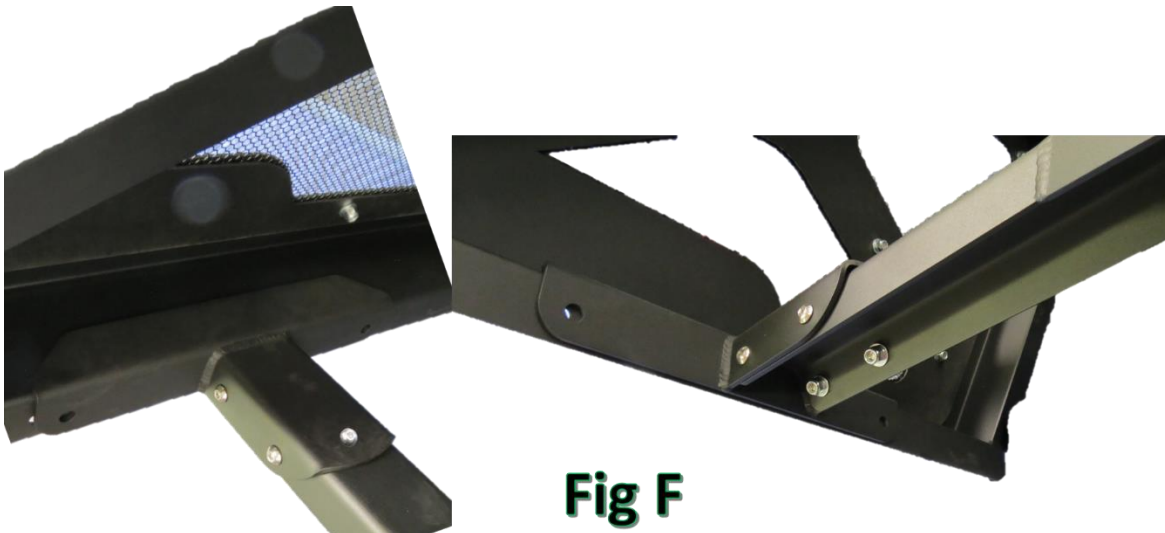


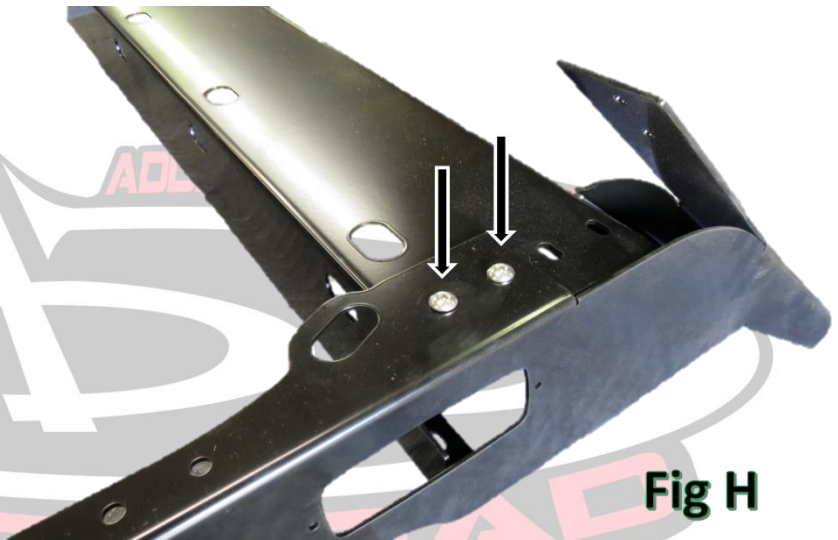
Fig F

8. Connect the receiving end of the spare tire spinner onto the Tire Carrier Center Section. Use the supplied 3/8" x 1" Bolts (x2), 3/8" Washers (x2), and 3/8" Locking Nuts (x2). Refer to Fig G.

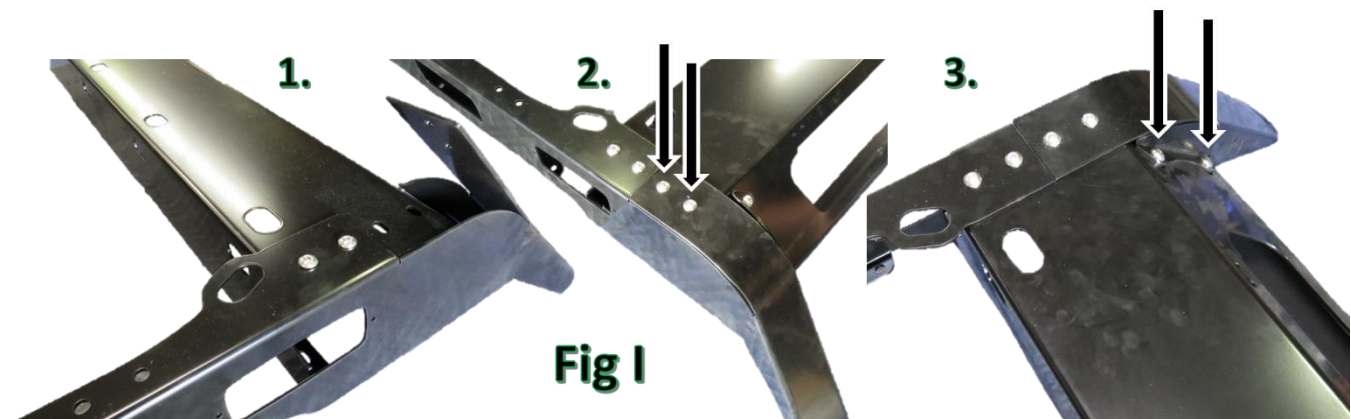


9. If you are installing the Roof Rack section, please follow Steps 10-19. Otherwise, skip to Step 20.

10. Line the Roof Rack Rear Piece (with the toolbox cutouts) up with one of the Roof Rack Side Rails. Bolt them together using the supplied 3/8" x 3/4" bolts (x2), 3/8" Washers (x2), and 3/8" Locking Nuts (x2). Refer to Fig H. Leave bolts finger tight until they are all installed.



11. Take the metal piece that is sticking up and bend it down to follow the radius of the side rail, and use supplied 3/8" x 3/4" (x2), 3/8" Washers (x2), and 3/8" Locking Nuts (x2) to hold it in place. Refer to Fig I. The bolts for this step are referenced in Part 2 of Fig I.
12. Install the supplied 3/8" x 3/4" Bolts (x2), 3/8" Washers (x2), and 3/8" Locking Nuts (x2) that are referenced in Part 3 of Fig I.



13. Repeat Steps 1-3 with the other Roof Rack Side Piece. Your Rack should look like Fig J at the end of this step. Once all bolts are installed, tighten them to 30 foot pounds.

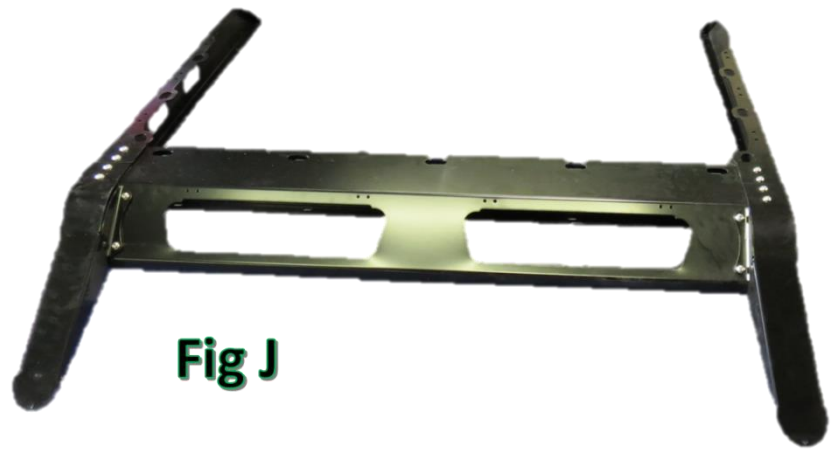


Fig J

14. Slide one of the Roof Rack Support Rails in between the two side pieces and line up the bolt holes. Use the supplied $\frac{3}{8}$ " x $\frac{3}{4}$ " Bolts (x8), $\frac{3}{8}$ " Washers (x8), and $\frac{3}{8}$ " Locking Nuts (x8) to secure both sides of the rail. The bolt locations are referenced in Fig K.

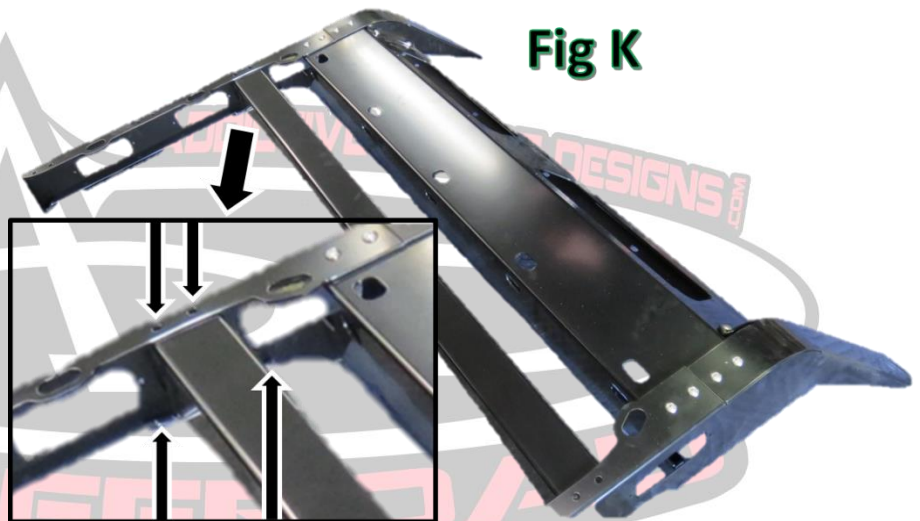


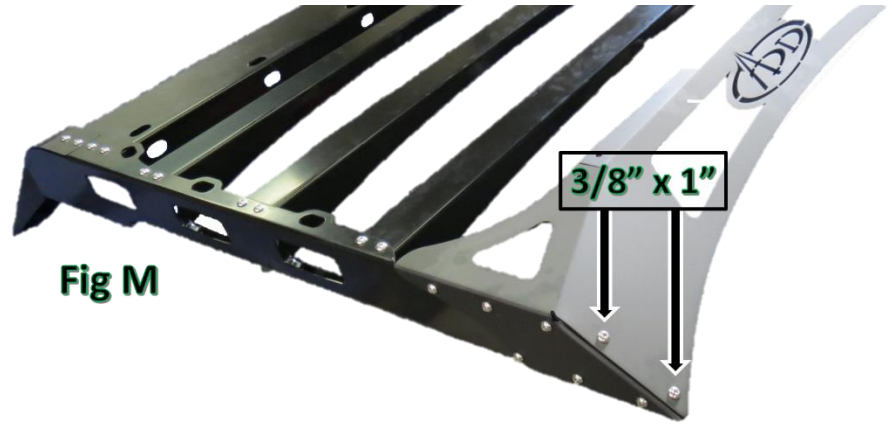
Fig K

15. Repeat Step 5 for the next two support rails. Your Rack should now look like Fig L.



Fig L

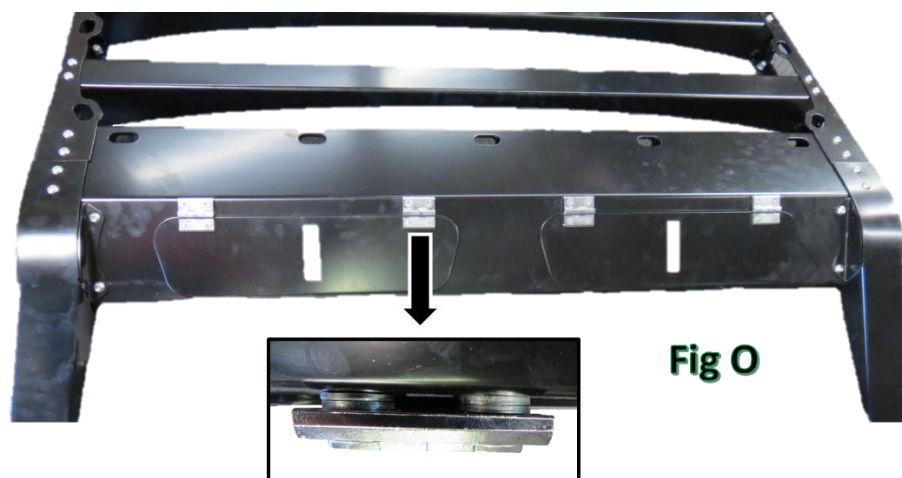
16. Set the Roof Rack Front Piece in place. Use the supplied 3/8" x 3/4" Bolts (x12), 3/8" x 1" (x4), 3/8" Washers (x16), 3/8" Locking Nuts (x16) to secure it. There are 8 bolts per side. The 2 bolts on the front of the Rack are 1" long. Refer to Fig M. Go back and torque every bolt to 30 foot pounds.



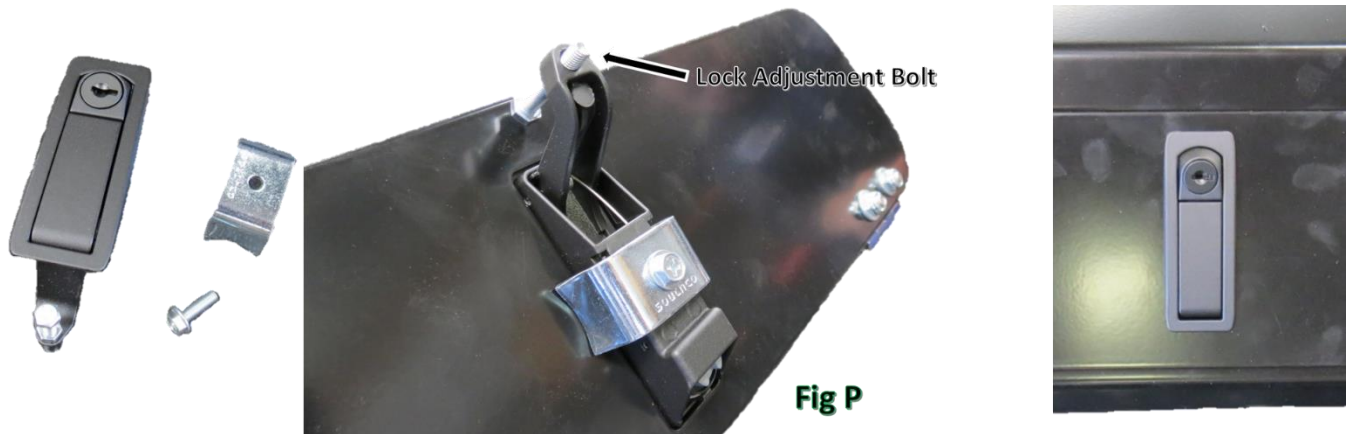
17. Install the two brackets that reinforce the corners of the Roof Rack Front Piece. Be sure to install the brackets on the underside of the front piece. Refer to Fig N. Use the supplied 3/8 x 3/4" Bolts (x2), 3/8" Washers, (x2), and 3/8" Locking Nuts (x2).



18. Install the toolbox front doors by bolting the hinges to the predrilled holes in the toolbox doors and on the roof rack structure. For this step, use the supplied 1/4"-20 x 1" Bolts (x16), 1/4" Washers (x16), and 1/4"-20 Locking Nuts (x16). Use the supplied spacer between the top portion of the hinge and the roof rack structure. Refer to Fig O.



19. Install the toolbox door locks by pushing the locks through the precut holes on the door. Then, screw the strap to the lock on the back side of the door. To adjust the lock, turn the bolt and subsequent nut in or out until the door does not have slack when closed and locked. Refer to Fig P.



20. Install the rubber bumpers on the Roof Rack Front Piece by sliding the 5/16"-18 Nut Clips (x2 – One per side) over the predrilled holes for the feet. Then, screw the rubber feet into those inserts. Refer to Fig Q.



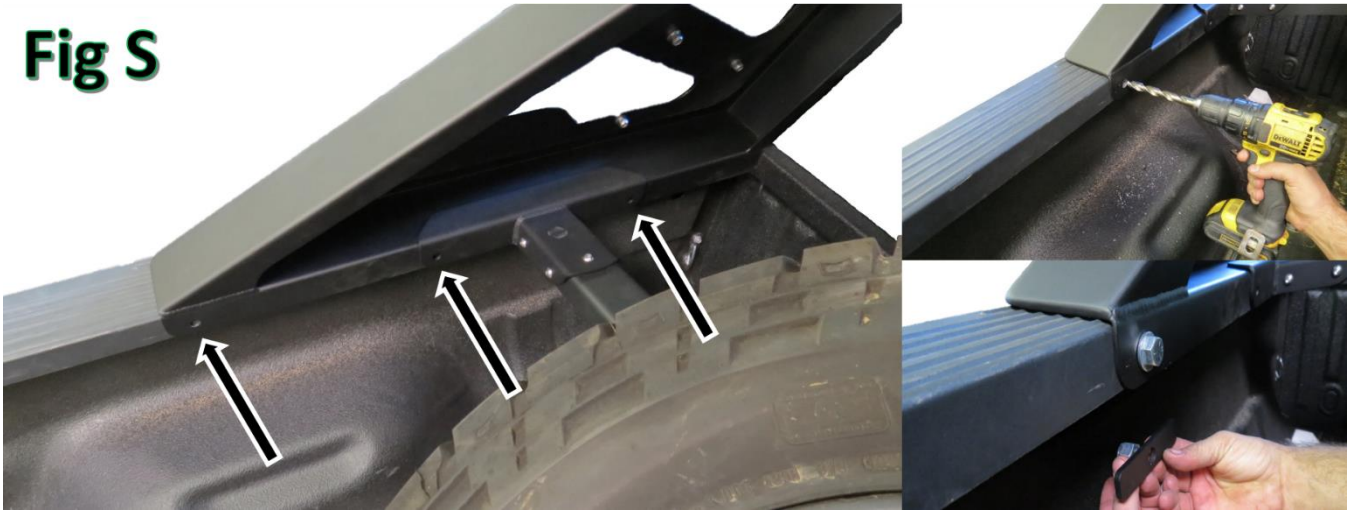
21. Set the Chase Rack Section onto the bed of the truck. Line the front of the Chase Rack Section up with the front of the plastic lining on your bed rails. Refer to Fig R.



22. There are 3 mounting holes per side. Drill a hole at each mounting hole through the bed rail with a 1/2" Drill Bit. Make sure to use the mounting plates on the backside of the bed rail you've drilled through.

Refer to Fig S. We suggest drilling one hole on each opposite side and installing a bolt to hold it in place, then working your way down the rest of the mounting holes. Use the supplied 1/2" x 1 1/2" Bolts (x6), 1/2" Washers (x12), and 1/2" Locking Nuts (x6).

Fig S



23. DISREGARD THIS STEP IF YOU ARE NOT INSTALLING THE ROOF RACK SECTION. Line the Roof Rack Section up with the Chase Rack Section of the assembly. Use the supplied 3/8" x 3/4" Bolts (x22), 3/8" Washers (x22), and 3/8" Locking Nuts (x22) to fasten the Roof Rack Section to the Chase Rack Section. Refer to Fig T. This picture does not show every bolt that needs to be installed. There are two bolts that are marked on the tail end of the roof rack, while the rest of the bolts to connect these two portions are inside the tool box section of the roof rack.

Fig T



24. DISREGARD THIS STEP IF YOU ARE NOT INSTALLING THE ROOF RACK SECTION. If you are installing light bars to the front of your Roof Rack, follow this Step. Mount the Light Bar Mounts to the front of the Roof Rack section using the two front bolts that are already in place. Refer to Fig U. Follow the Light Manufacturers Guides for torque specs and wiring information when mounting and wiring the lights.

Fig U



25. DISREGARD THIS STEP IF YOU ARE NOT INSTALLING THE TIRE CARRIER SECTION. Place your spare tire on the center section of the spare tire carrier, then take the spinner by the handles and screw it into the receiver with the handles faced outwards. Refer to Fig V.

Fig V



26. Stand back and enjoy your A.D.D. HoneyBadger Chase Rack.
27. Check and re-tighten if needed, all mounting bolts after 100 miles and periodically thereafter.



**For Additional Support or Technical Questions,
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