



INSTALLATION INSTRUCTIONS FOR HOG BAR FOR 99-03 FORD F 150 4X4 W/ TOW HOOKS & 99-02 EXPEDITION PART #78102

Congratulations on your purchase of a high quality PUTCO product.

Should you need any application or technical assistance feel free to call us at: 1-800-247-3974

Monday-Friday 8:00 a.m.- 5:00 p.m. (Central Standard Time)

Contact your PUTCO dealer for other quality accessories.

PUTCO Inc. - 216 West First Street - Story City, Iowa 50248



Please read all instructions before beginning installation and be sure to check to see that all parts and hardware are included.

Parts List	
Description	Qty
Hog or Boss Hog Bar	1
Driver's side Bracket	1
Passenger's side Bracket	1
1/2" x 2 1/4" Bolt	2
Washer	2

Tools Needed for Installation
15mm Socket
3/4" Wrench

Step 1: Remove the front bolt that holds the factory tow hooks in place using a 15mm socket.



Step 2: Loosen the rear bolt so that you can slide the tow hook backward for removal. Leave the bolt in place ensure the threaded plate inside the frame stays in place.



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Step 3: Position one of the mounting brackets against the frame where the tow hook once was, orient the bracket as shown in the picture below with bracket pointing toward wheel. (Driver's Side Shown in picture to the right)

Step 4: Using the original bolts from the tow hooks, mount the bracket to the frame of the truck, leave loose for adjustment later.
NOTE: If you gently remove the rear bolt the threaded hole in the plate will remain lined up for easier installation.

Step 5: Repeat steps 1 through 4 for other mounting bracket.



Step 6: Place the supplied bolt and washer through the remaining hole as shown in the picture to the left.

Step 7: Align the bolt and the hole in the end of the Hog Bar and start the threads, DO NOT tighten.

Step 8: Align the other side of the Hog Bar and start the threads.

Step 9: Tighten all bolts; the two bolts that thread into the Hog Bar require a 3/4" Wrench.

NOTE: It will help to tighten the bolts on the Hog Bar if the bar is sitting flush against the brackets.

Step 10: For states that require a front plate on the vehicle, there are two holes in the skid plate for mounting a license plate (hardware to mount license plate is not supplied).



Note: PUTCO recommends applying a high quality automotive wax to maintain the original appearance on your new Hog Bar.

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LIMITED WARRANTY

Putco guarantees its Stainless Steel and Aluminum products against defects in workmanship and material for as long as you own your vehicle. Black products have a 90 day warranty on the painted surface. Any defects resulting from faulty material or workmanship will be warranted by Putco and repaired or replaced at our discretion. Putco assumes no extra labor costs. Damages caused by freight carriers, improper installation, misuse, collision, or neglect will not be warranted by Putco.