

INSTALLATION GUIDE



# (Cold Side) Charge Pipe

2011-2026 Ford 6.7L Powerstroke

(Install Time: 1 hour)



# **⚠️ DISCLAIMER ⚠️**

## **1. Installation Risk & Responsibility**

By installing this product, the purchaser and end user acknowledge and accept all risks associated with installation, use, and operation. Improper installation, modification, or use of this product may result in vehicle damage, personal injury, or loss of vehicle functionality.

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## **3. Pre-Installation Inspection**

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## **5. Post-Installation Inspection & Sensor Check**

After installation, all clamps, couplers, fasteners, sensors, and sealing surfaces must be inspected and rechecked after the first heat cycle. Improperly secured connections, damaged sensors, pinched or missing O-rings, or improper seating of the charge pipe at the throttle valve may result in boost leaks, reduced performance, drivability issues, or a check engine light. If a check engine light occurs after installation, re-inspect all sensors, seals, and connections before further operation. Periodic inspection is recommended as part of normal vehicle maintenance.

## **6. Warranty Considerations**

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## **7. Misuse & Modification**

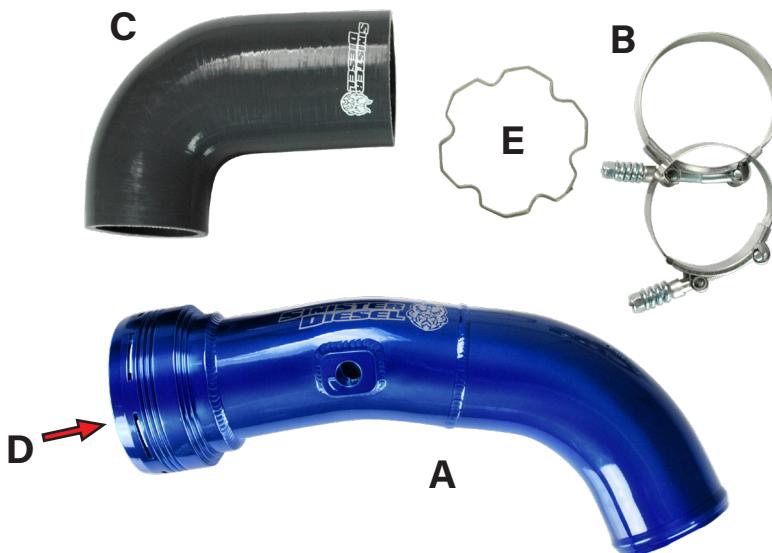
This product is designed for its intended application only. Any misuse, alteration, modification, or use outside of its intended purpose voids any product warranty and releases Sinister Mfg Company, Inc. from all liability.

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PART	DESCRIPTION	QTY
A	Intercooler Tube	1
B	Boot Clamps	2
C	90 Degree Boot	1
D	O-ring (Pre-installed inside)	1
E	Wire Locking Ring	1

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HELP CENTER



**CAUTION !!!** Never work on a hot vehicle. Serious injury in the form of burns can result if the vehicle has been in use. Allow vehicle to cool prior to installation. Always wear eye protection when working on or under any vehicle.

**IMPORTANT:** Installation of the Sinister Diesel Charge Pipe requires removal of the factory CAC tube. Be sure to keep area clean and do not allow any debris to enter the system.

- 1 Disconnect the negative battery terminals on both batteries.



IMAGE 1

- 2 Remove or pull back coolant lines to gain better access to intercooler pipe.  
(Image 1 & 2)



IMAGE 2

- 3 Locate and remove OE wire locking ring holding intercooler tube adaptor to intake manifold assembly.  
(Image 3 & 4)



IMAGE 3

**4** Loosen hose clamp securing plastic intercooler pipe in place. You can then remove factory plastic intercooler pipe. (Image 5)



IMAGE 4

**5** Locate and loosen lower intercooler boot clamp and remove the remaining intercooler pipe. (Image 6)

**WARNING: USE  
EXTRA CARE WITH  
SENSOR! ▼▼▼**

**6** Disconnect electrical connector now that you have access to it. Gently pull locking tab up just enough to disengage from lock, rotate 1/4 turn counter-clockwise and pull straight out. Reinstall sensor into new Sinister Diesel pipe (A), rotate clockwise 1/4 turn, careful as the locking tab is fragile.



IMAGE 5

**7** Install wire locking ring (E) onto Sinister Diesel intercooler pipe. Wire needs to fit into the grooves on the welded billet coupler. Be careful to not over stretch the locking ring.



IMAGE 6

8

Place the smaller clamp (B) over the short end of 90° boot (C) and loosely install to the intercooler outlet, clocked to where the edge of the boot is 1/4" from the power steering reservoir. Snug the lower clamp so the boot can not slip off the intercooler. Slip larger clamp onto the boot. Using glass cleaner, spray inside of boot and install new Sinister intercooler pipe (A) into boot. Push down as far as needed to clear the intake manifold on other end. (Image 7)

**Note: For proper silicone boot and clamp installation, please refer to the diagram on the last page.**



IMAGE 7



IMAGE 8



IMAGE 9

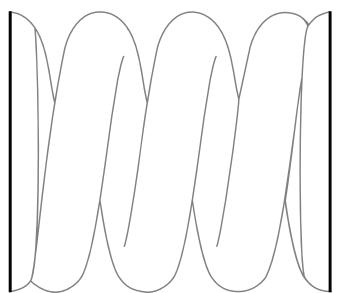
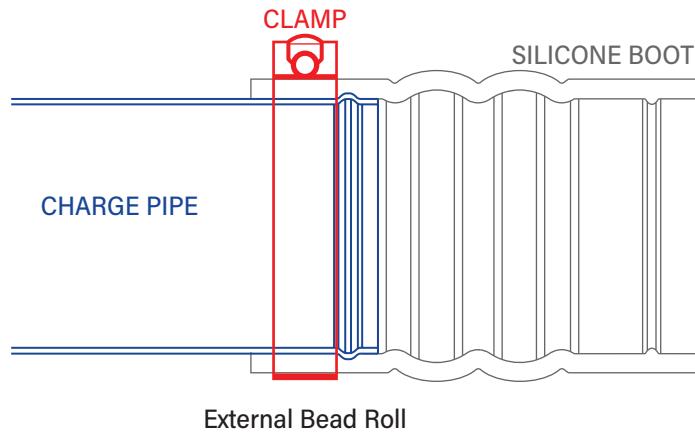
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Finally, ensure clamps are positioned correctly and tighten up both spring clamps (B). Now that the clamps are tight, you can re-connect your batteries. Installation is complete. Enjoy!

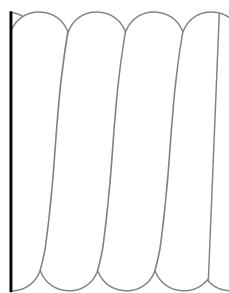
# SILICONE DIAGRAM

Position silicone boot on the charge pipe far enough that the clamp can be placed directly behind the bead roll and tightened.

ALL clamps need to be tightened to the point that the spring coils are just barely compressed or touching.



**LOOSE**



**TIGHT**

**IMPORTANT:** If a check engine light appears or a subtle hissing sound is heard after installation, the cold-side charge pipe may not be fully seated on the throttle valve, the retaining snap ring may not be fully locked around the connector, or the internal O-ring may have been damaged during installation. Verify the pipe is fully seated and that the snap ring is completely engaged around the entire circumference of the connector. If the O-ring is damaged, replacement O-rings are available in the Replacement Parts section of our website.

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SD-INTRPIPE-6.7P-COLD

2026



**#1 IN PERFORMANCE PARTS & KITS**

2025 OPPORTUNITY DR. ROSEVILLE, CA 95678 [SINISTERDIESEL.COM](http://SINISTERDIESEL.COM) 888.966.6543



# (Hot Side) Charge Pipe

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(Install Time: 1 hour)



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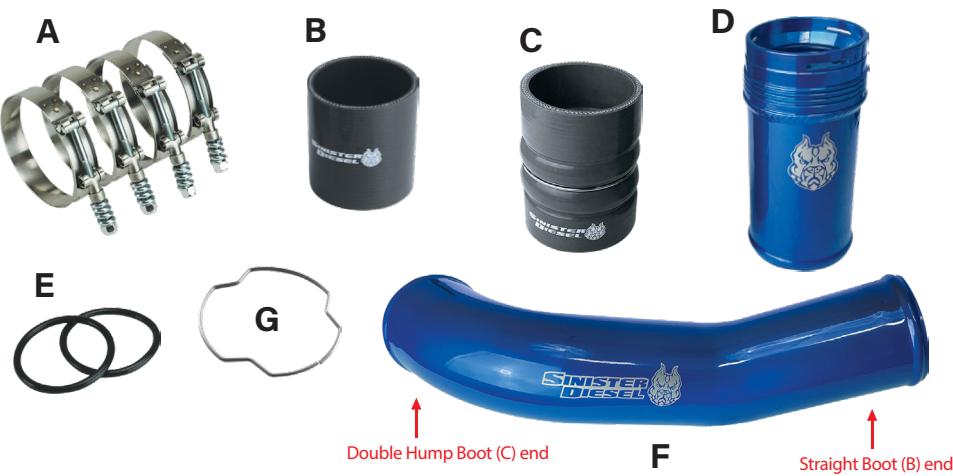
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PART	DESCRIPTION	QTY
A	3" Spring Clamps	4
B	3.5" Straight Boot	1
C	4.5" Long Double Hump Boot	1
D	Charge Pipe Turbo Adapter	1
E	O-Rings (pre-installed)	2
F	Charge Pipe Elbow	1
G	Wire Retainer Clip (pre-installed)	1

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**1** Disconnect both negative terminals on both batteries.

**2** Loosen the factory clamp on the intercooler end. Pull boot and charge pipe from intercooler (7mm). If truck is equipped with sensor in charge pipe (2023+ year models), disconnect electrical connector and remove sensor from factory charge pipe. (Image 1)



IMAGE 1

**3** Open & remove retainer clip at turbo end of charge pipe. (Image 2)  
***It may be helpful to use 2 flat head screw drivers*** to remove retainer clip. Remove charge pipe from vehicle.

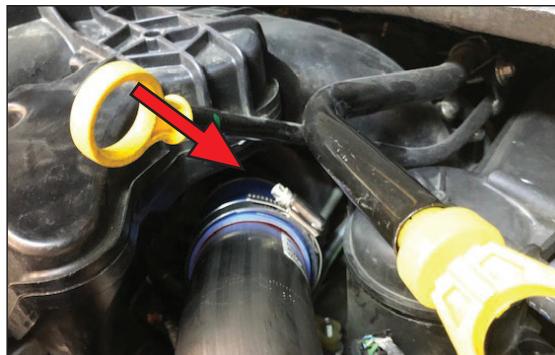


IMAGE 2

**4** On coupler end of Turbo Adapter part (D) ensure both o-rings (E) are properly seated (pre-installed) and properly lubricated. (Image 3)



IMAGE 3

**5** Install boot (C) onto other end of Turbo Adapter (D) with one spring clamp (A) tighten clamp. Press coupler end of Turbo Adapter over the turbo outlet, you should hear a "click". Lightly pull to test it's engaged. (Image 4)

**Note:** Install boots and clamps according to silicone diagram at on Page 5.

**6** Loosely install 1 clamp (A) over open end of boot (C) (Image 4). Orientate clamp as shown in (Image 6 - left arrow)

**Note:** Make sure to thoroughly clean & dry stock intercooler outlet that accepts the straight Sinister boot (B) (see image 6 - right arrow)

**7** Install straight boot (B) onto Charge Pipe Elbow (F) and loosely place 2 clamps (A) (Image 5). Install on intercooler outlet.

**8** Press opposite end of Charge Pipe Elbow (F) into turbo side boot (C) . (Image 5 - left arrow) Even out the charge pipe and boots ensuring even engagement. (Image 6)

**9** Orientate and tighten all 3 remaining clamps (A)

**10** If equipped, re-install sensor into threaded port on charge pipe and re-connect electrical connector.

Installation is now complete.  
Start truck and check for air leaks.



IMAGE 4



IMAGE 5



IMAGE 6

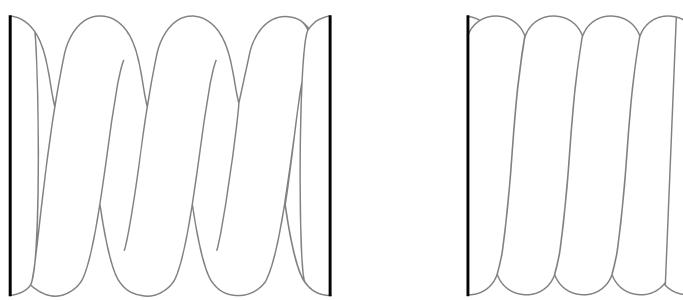
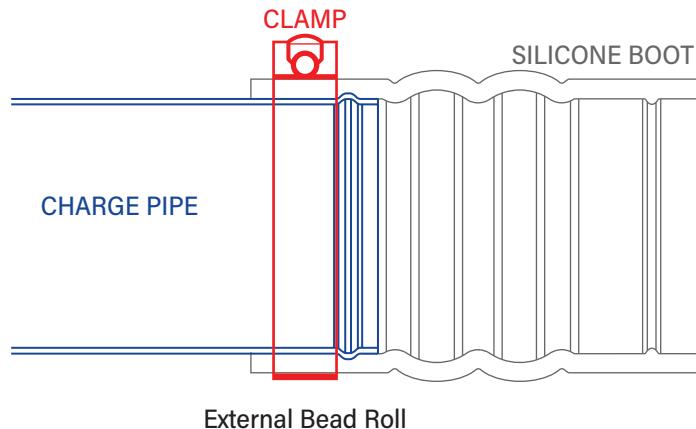


IMAGE 7

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SD-6.7PIPH11-01-20  
SD-INTRPIPE-6.7P-HOT-23

2026



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