



(Hot & Cold Side)

Intercooler Pipes

99.5-03 Ford 7.3L Powerstroke

**SINISTER
DIESEL**





DISCLAIMER

1) By installing this product onto your vehicle, you assume all risk and liability associated with its use.

2) It is your responsibility to make sure your vehicle complies with all federal, state, and local emissions laws. Federal and many state and local laws prohibit the removal, modification or rendering inoperative of any part of the design affecting emissions or safety on motor vehicles used on a public street or highway. Violation may result in a fine of up to \$32,500 per vehicle (or possibly higher depending on changes in the law). All civil penalties and fines for removing your vehicle's emissions equipment are the sole responsibility of the end user.

3) Due to its high performance nature, this product may void vehicle manufacturer's warranty.

4) Sinister Mfg Company, Inc. is not responsible for misuse of its products. By installing this product, you release Sinister Mfg Company, Inc. of any and all liability associated with its use.

5) Depending on where you live, restrictions may apply. Check all applicable laws before installing or using!

6) The purchaser and end user releases, indemnifies, discharges and holds harmless Sinister Mfg Company, Inc. from any and all claims, damages, causes of action, injuries, or expenses resulting from or relating to the use or installation of this product that is in violation of the terms and conditions on this page, the product disclaimer, and/or the product installation instructions. Sinister Mfg Company, Inc. will not be liable for any direct, indirect, consequential, punitive, statutory, or incidental damages or fines caused by the use or installation of this product.

COLD-SIDE



PART:	DESCRIPTION:	QTY:
A	Cold Side Charge Pipe	1
B	Double-hump Silicone Boot 5 3/8" Long	1
C	Smooth Silicone Boot 3 1/4 Long	1
D	84-92mm Spring Clamp	3
E	90-98mm Spring Clamp	1

HOT-SIDE



PART:	DESCRIPTION:	QTY:
A	Hot Side Charge Pipe	1
B	Double-hump Silicone Boot 5 3/8" Long	1
C	Smooth Silicone Boot 3 1/4 Long	1
D	84-92mm Spring Clamp	3
E	90-98mm Spring Clamp	1

IMPORTANT: READ ALL INSTRUCTIONS PRIOR TO INSTALL. Prior to installation, please compare the parts that you have received with the bill of materials provided on this page to assure that you have all the parts necessary for the installation.



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.

COLD-SIDE

- 1** Disconnect negative terminals on both batteries.
- 2** Using 11mm or 7/16" socket, loosen clamps on the OEM intercooler boots. (Image 1 and
- 3** Remove OEM intercooler pipe, you will have to pull intercooler pipe up though the top while rotating to remove from engine bay.
- 4** Using a cleaner such as alcohol, clean intake plenum inlet pipe and intercooler pipe from any residual oils and dirt, failing to do so could cause boots to pop off under load.
- 5** Pre-install lower 3-3.25" reducer boot and clamp onto Sinister pipe,



IMAGE 1



IMAGE 2



IMAGE 3

the 3" side goes onto intercooler pipe, be sure the internal bead on the boot fits into groove on the pipe. Clamp needs to seat over top of the internal bead roll as shown on the boot and clamp installation diagram; Tighten clamp using 11mm or 7/16" socket, note orientation of clamp to ease installation in next step. (Image 3)

6 Using a cleaner such as foaming glass cleaner, spray the inside of the boot and the outside of the intercooler pipe, install through the top just as the OEM was removed. Foaming glass cleaner acts as a temporary lubricant on the pipe and boots aiding in the installation. Glass cleaner must completely dry to avoid leaving an oily or soapy residue; When dry it creates an adhesive type bond on the pipe and boot. Note: Do NOT use any lubricant like WD40 as it will hinder the ability of the boots to seal to the pipe.

7 Spray foaming glass cleaner on intake plenum inlet pipe and intercooler pipe. Slip 3" straight boot and clamp onto intake plenum inlet, then slip boot and clamp onto intercooler pipe, be sure the internal bead on the boot fits properly into the groove on the intercooler pipe. (Image 4)



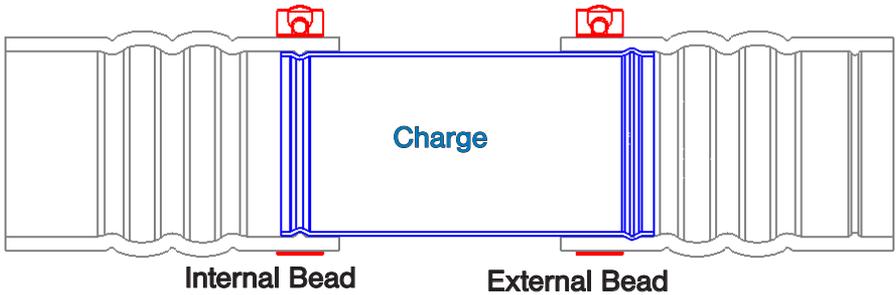
IMAGE 4

8 Using 11mm or 7/16" socket, tighten remaining clamps. (Image 5) Tighten clamps to the point that the spring just bottoms out. (NOTE: See diagram on proper boot and clamp installation.)



IMAGE 5

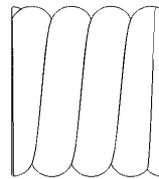
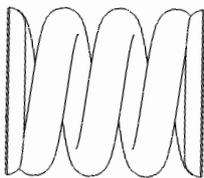
BOOT & CLAMP INSTALLATION:



For charge pipes with internal bead rolls a silicone boot with an internal bead should be used. Internal bead should be positioned in the internal bead roll. Clamp should be placed directly over bead roll and tightened.

For charge pipes with external bead rolls a silicone boot with a smooth surface should be used. Position silicone boot on the charge pipe far enough that a 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.



HOT-SIDE

1 Disconnect negative terminals on both batteries.

2 Remove air intake box and tube for better access to OEM intercooler pipe.

3 Using 11mm or 7/16" socket, loosen clamps on the OEM intercooler boots. (Image 1 and Image 2)

4 Remove OEM intercooler pipe, you will have to pull intercooler pipe up though the top while rotating to remove from engine bay.



IMAGE 1



IMAGE 2

5 Using a cleaner such as alcohol, clean turbo outlet pipe and intercooler inlet pipe from any residual oils and dirt, failing to do so could cause boots to pop off under load.

6 Pre-install lower boot 3-3.25" reducer boot and clamp onto Sinister pipe, the 3" side goes onto intercooler pipe, be sure the internal bead on the boot fits into groove on the pipe. Clamp needs to seat over top of the internal bead roll as shown on the boot and clamp installation diagram; Tighten clamp using 11mm or 7/16" socket, note orientation of clamp to ease installation in next step. (Image 3)

IMAGE 12

7 Using a cleaner such as foaming glass cleaner, spray the inside of the boot and the outside of the intercooler inlet pipe, slip clamp over intercooler pipe, install through the top just as the OEM was removed.



IMAGE 3

8 Spray foaming glass cleaner on turbo outlet pipe and intercooler pipe. Slip 3" straight boot and clamp onto turbo inlet, then slip boot and clamp onto intercooler pipe, be sure the internal bead on the boot fits properly into the groove on the intercooler pipe. Foaming glass cleaner acts as a temporary lubricant on the pipe and boots aiding in the installation. Glass cleaner must completely dry to avoid leaving an oily or soapy residue; When dry it creates an adhesive type bond on the pipe and boot. Note: Do NOT use any lubricant like WD40 as it will hinder the ability of the boots to seal to the pipe.

9 Using 11mm or 7/16" socket, tighten remaining clamps. (IMG_4745)
Tighten clamps to the point that the spring just bottoms out. (NOTE: See diagram on proper boot and clamp installation.)



IMAGE 4

10 Re-install air intake.

Installation of your Intercooler Pipes is now complete!







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2024



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