



# INSTALLATION GUIDE

1999-2003 FORD 7.3L POWERSTROKE INTERCOOLER KIT | SKU: MMINT-F2D-99K

## TABLE OF CONTENTS

**Pg 1** RESOURCES & CONTACT INFORMATION

**Pg 2** IMPORTANT SAFETY INFORMATION

TOOLS NEEDED

INSTALLATION TIME

INSTALLATION DIFFICULTY

INSTALLATION INSTRUCTIONS

**Pg 4** CARE & MAINTENANCE

DISPOSAL INSTRUCTIONS

WARRANTY INFORMATION

## RESOURCES & CONTACT



**CALL 1-877-GOMISHI**

CUSTOMER SERVICE HOURS: MON-FRI 8:30AM-5:00PM EST



**MISHIMOTO**



**GOMISHIMOTO**



**MISHIMOTO**



**WEBSITE**

[WWW.MISHIMOTO.COM](http://WWW.MISHIMOTO.COM)



**ENGINEERING BLOG**

[WWW.MISHIMOTO.COM/ENGINEERING](http://WWW.MISHIMOTO.COM/ENGINEERING)

## IMPORTANT SAFETY INFORMATION

- › Mishimoto recommends you use safety glasses and protective gloves during the install of their products
- › Raise vehicle only on jack stands or on a vehicle lift
- › Allow vehicle to cool completely prior to attempting installation
- › Do not run the engine or drive the vehicle while overheating; serious damage can occur
- › Please dispose of any liquids properly
- › Mishimoto is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of Mishimoto products
- › If you need any assistance while installing our products, reach out to our Customer Service Team at 1-877-GOMISHI

## TOOLS NEEDED

- |             |         |
|-------------|---------|
| 8MM SOCKET  | HAMMER  |
| 10MM SOCKET | PRY BAR |
| 13MM SOCKET |         |

**INSTALLATION TIME 2 HOURS**

**INSTALLATION DIFFICULTY**     

## INSTALLATION INSTRUCTIONS

- 01.** Remove 3 bolts holding on the expansion tank and move it out of the way. Do not disconnect the lower hose.



- 02.** Remove the air intake.

- 03.** Remove 8 T-bolt clamps securing the intercooler pipe boots to the engine and the intercooler (as indicated by the arrows in the image below).



- 04.** Remove the intercooler pipes and boots.
- 05.** Remove the pop clips and bolts holding on the top radiator cover and radiator stays.
- 06.** Remove the 4 bolts securing the upper A/C condenser brackets.
- 07.** Remove the 2 bolts and grommets holding the intercooler onto the radiator support.

CONTINUED ON FOLLOWING PAGE

08. Remove the 8 bolts holding on the upper radiator support and lift out of the truck. On some trucks, you may need to use a pry bar to shift the bar towards one side of the truck in order to gain enough clearance to allow the opposite side of the bar to slip up and out of the mounting location.
09. Remove the stock intercooler by sliding it up and out of the way.
10. Transfer all grommets to the new intercooler.
11. Slide the Mishimoto intercooler into place.



12. Using the Mishimoto supplied boot kit, attach the appropriate boots to their corresponding locations. Please note, of the two longer boots included with your kit, one boot is slightly larger internal diameter than the other. Use the larger diameter boot on the larger, passenger side outlet of the intercooler. Note the location of the bead inside the boot. This bead should go onto the intercooler pipe.

Attach the Mishimoto intercooler pipes to the boots and secure with supplied constant-tension T-bolt clamps. Please note, extra care should be taken near the power steering pump to ensure a gap exists between the high-pressure line and the intercooler pipe. If they touch, loosen the clamps, rotate the pipe away slightly and re-tighten. A tight fit here is normal.

13.



14. Replace the upper support bar and secure it with OE hardware.
15. Replace the AC condenser brackets and secure them with OE hardware.
16. To secure the intercooler, you will need to place the provide spacer between the OE grommets and the upper support bar and use the Mishimoto provided longer bolts to secure the intercooler. If your original clip nuts are broken or missing, replace them with the provided Mishimoto hardware.
17. Replace the radiator stays and cover with OE hardware and pop clips.
18. Replace Intake.
19. Replace the 3 bolts securing the expansion tank.

**Congratulations! You have finished the installation.**

**\*For Care & Maintenance, Disposal Instructions, and Warranty Information continue to the following page.**

## CARE & MAINTENANCE

- ▶ Check all clamps for proper torque annually as well as a visual inspection of all boots for abnormal wear.

## DISPOSAL INSTRUCTIONS

- ▶ Do not dispose of any product as unsorted municipal waste. Use separate collection facilities. Contact your local authority for information regarding the collection systems available.
- ▶ Never improperly dispose of any coolant, oil, or other chemicals.

## WARRANTY INFORMATION



- ▶ All claims must be accompanied with a picture of the Mishimoto product showing the issue for which the claim is being submitted.
- ▶ Mishimoto asks that the customer inspect their purchased item for any damage immediately upon arrival.
- ▶ Any product deemed dead on arrival

(DOA) must be claimed within 14 business days of delivery. Claims outside of this time frame will not be covered under the Mishimoto Lifetime Warranty.

- ▶ This warranty does not include payment and/or reimbursement of the cost of labor in connection with the removal of any product returned pursuant to the warranty policy or in connection with the installation of any replacement items provided under the warranty policy.

- ▶ Mishimoto has the right to refuse a claim at any time.
- ▶ When Mishimoto accepts a claim, Mishimoto retains full discretion to choose if it will: (i) repair or replace purchaser's original Mishimoto product; (ii) replace purchaser's original Mishimoto product with the most current available model; or (iii) provide the purchaser with a gift card redeemable on [Mishimoto.com](http://Mishimoto.com) in the amount of the original purchase price of the original Mishimoto product. The provision of a replacement of a Mishimoto product is subject to availability and Mishimoto retains the right to substitute any warranty claim item with a comparable item or credit at any time.
- ▶ If Mishimoto determines that it will provide a replacement item in connection with a claim under this warranty policy, and such item is out of stock, Mishimoto will place the customer on backorder and ship the replacement product to the purchaser once it becomes available.
- ▶ Mishimoto is not liable for incorrect shipments in connection with a claim if a claim form is completed incorrectly, or if a model number is not included in a claim.
- ▶ If you have a vehicle equipped with an automatic transmission, please make sure to specify this within the text box on the claim form. Mishimoto is not responsible for incorrect replacement shipments if transmission type is not indicated.



**WARNING**  
Cancer and  
Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

This product can expose you to chemicals which are known to the state of California to cause cancer. For more information visit: [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)