

2014+ FORD FIESTA ST CAT-BACK EXHAUST

PARTS LIST AND INSTALLATION GUIDE



PARTS INCLUDED

1PC | STAINLESS STEEL RESONATED MIDPIPE W/ 2-BOLT FLANGE

1PC | STAINLESS STEEL MIDPIPE-TO-REAR MUFFLER SECTION

1PC | STAINLESS STEEL REAR MUFFLER SECTION

1PC | 3" DUAL OFFSET TIPS

3PC | 2.5" OFFSET EXHAUST-BAND CLAMPS

1PC | 2-BOLT FLANGE GASKET

STAINLESS STEEL MOUNTING HARDWARE

TOOLS NEEDED

8MM RATCHETING WRENCH

3/8" DRIVE RATCHET

14MM WRENCH

EXHAUST HANGER TOOL

13MM SOCKET

SMALL PRYBAR OR FLATHEAD
SCREWDRIVER

15MM SOCKET

INSTALL TIME 2 HOURS

INSTALL DIFFICULTY     

DISCLAIMER

- 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.
- Mishimoto suggests that a trained professional install all Mishimoto products.

CAUTION

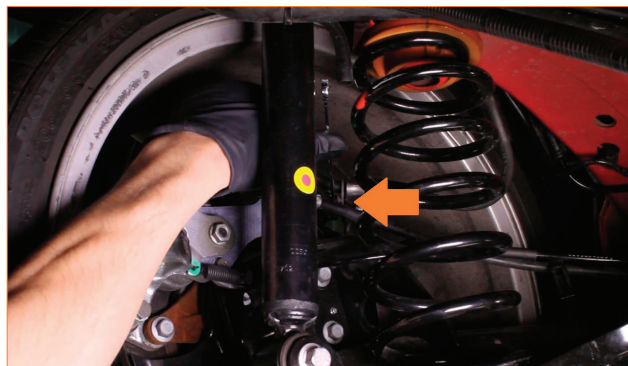
The stock exhaust system is heavy and unwieldy; we recommend having a friend on hand to help you with removal.

WARNING

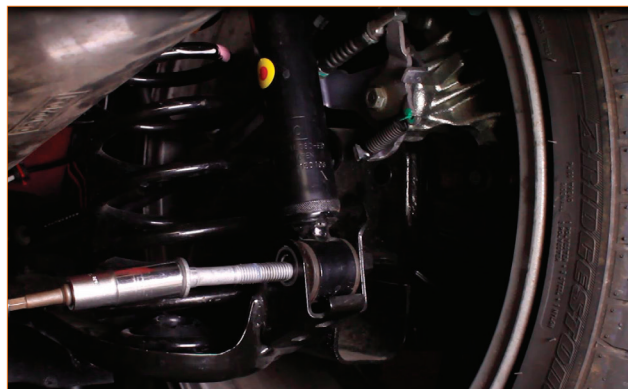
To avoid being burned, wait until the vehicle has cooled down completely before servicing the exhaust system.

INSTALL PROCEDURE

01. Set the vehicle on an automotive lift, or raise it with a jack and place it securely on jack stands. Refer to your owner's manual for safe lifting points if you are unsure.
02. We decided to keep the stock exhaust system in one piece. To do this, the rear suspension must be partially disconnected. The other option is to cut the stock exhaust into pieces.
03. Remove the bolt that secures the brake hose to the rear spindle. Do this on both sides. (2x 8mm bolts)



04. Lower the rear of the vehicle to take weight off the rear suspension. Remove the two bolts that secure the rear shocks to the torsion beam. (2x 15mm bolts)



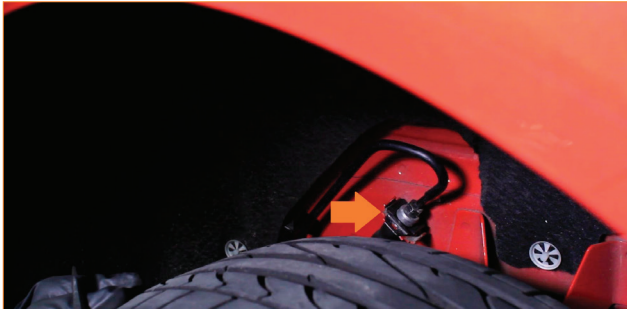
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05. Slowly raise the rear of the vehicle until you can see the clips that secure the brake lines to the vehicle. Do not raise the vehicle so high that the brake lines are under tension. Remove the two retaining clips for the brake lines by prying the clips loose, and allow the brake lines to droop with the suspension. (2x retaining clips)



06. Raise the vehicle and support it with jacks stands or a lift. Keep an eye on the brake lines to make sure they are not under tension. The coil springs may fall out of their perches at this time, but don't worry, we will put them back later.
07. If the rear springs did not fall out, remove the springs and the upper spring cushions. Note the position of the protrusion on the upper mount as you remove each one.



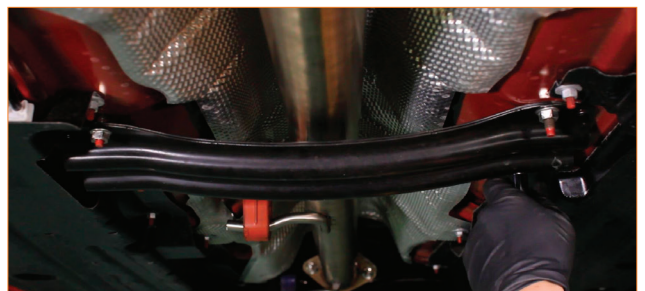
08. Separate the wheel's speed sensor wiring harness from the torsion beam on both sides of the vehicle.



09. Separate the rear brake hard lines from the clips that secure them to the body.



10. Remove the four nuts that secure the crossmember to the underside of the vehicle, and then remove the crossmember. (4x 13mm nuts)



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02

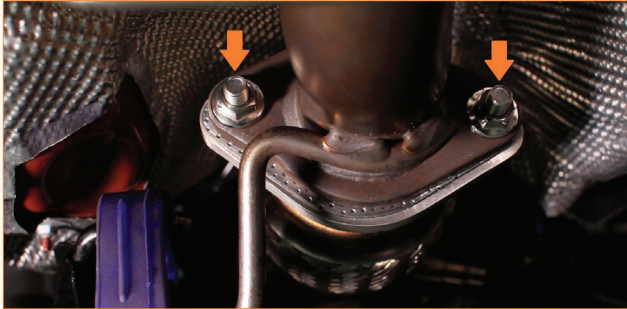
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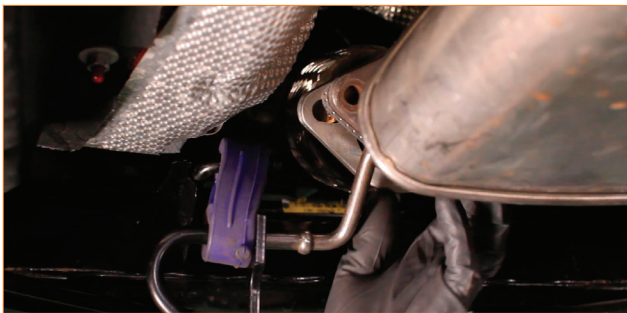
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11. Remove the two nuts that secure the front of the exhaust system to the downpipe. (2x 15mm nuts)



12. Lubricate the forward exhaust hanger with penetrating oil, and disconnect it from the rubber grommet that supports it.



13. Lubricate the middle exhaust hanger with penetrating oil, and disconnect it from the rubber grommet that supports it.
14. Lubricate the rear exhaust hangers with penetrating oil, and disconnect them from the rubber grommets that support them.
15. Slip the exhaust system out between the rear suspension and the body. The exhaust must be rotated as it passes over the torsion beam so that it clears the body. Take your time, and keep an eye on the brake lines and wiring harnesses to avoid damage.



16. Locate the Mishimoto midpipe and exhaust gasket in your kit. Slip the hangers on the midpipe into the grommets on the body of the vehicle.
17. If your vehicle is equipped with the stock downpipe, you will reuse the original 15mm nuts. If your vehicle is equipped with the Mishimoto downpipe, use the hardware provided with the downpipe.
18. Select the appropriate hardware for your setup, and install the new gasket between the downpipe and the midpipe. Snug the hardware, but do not fully tighten it yet.



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19. Slip one of the provided exhaust clamps over the end of the midpipe, and install the center section of the exhaust over the midpipe. Align the center section with the channel on the underside of the vehicle, and snug the clamp over the connection, but do not fully tighten it. (1x 15mm exhaust clamp)



20. Slip another provided exhaust clamp over the center section of the exhaust. Move the muffler section into position, and pass the hangers on the muffler through the rubber grommets on the vehicle. Then connect the center exhaust section to the muffler section. (1x 15mm exhaust clamp)



21. Slip the last exhaust clamp onto the muffler section, and install the exhaust tips. Roughly align the tips with the rear bumper. This position will change as you adjust the rest of the exhaust, so it doesn't need to be perfect yet. (1x 15mm exhaust clamp)



22. Align the flanges where the downpipe meets the exhaust, and tighten the nuts. Pay attention to the position of the gasket to make sure it seals properly.
23. Adjust the center section of the exhaust so that it clears the body, and then tighten the clamp that secures the midpipe to the center section. Position the clamp so that the hardware is not at the lowest point on the exhaust.
24. Adjust the muffler section of the exhaust so that it clears the body and suspension, and then tighten the clamp that secures the center section to the muffler section.
25. Adjust the exhaust tips so that they are level with the rear bumper, and then tighten the clamp that secures the exhaust tips to the muffler section.
26. Reinstall the crossmember, and secure it with the four original nuts. (4x 13mm nuts)
27. Install the rear spring lands (if they were removed). The arrow cut into the body of the rear spring lands should point toward the front of the vehicle. Insert the tab on the spring land into the torsion beam, and snap the spring land into place. Do this on both sides of the vehicle.



28. Install the springs. If the spring cushion came off the spring, simply align the depression in the cushion with the end of the spring. A protrusion on the top of the spring cushion passes into a hole in the body to align the spring.
29. Slowly lower the vehicle to seat the springs on the torsion beam. The small hook on the spring lands must engage the springs to properly align them.
30. Once the springs are seated, lower the vehicle until the shocks sit inside the torsion beam. Use a screwdriver or prybar to compress the shock so you can insert and tighten the two shock mounting bolts. Make sure the springs are fully seated. (2x 15mm bolts)

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- 31. Secure the brake hard lines with the plastic clips on the underside of the body.
- 32. Secure the brake hoses to the rear spindle with the two original bolts. (2x 8mm bolts)
- 33. Secure the brake hoses to the body with the retaining clips. The retaining clips will be installed properly when the two tabs on the brake hose fitting are aligned and engaged with the bracket of the body. (2x retaining clips)

- 34. Reinstall the wheel's speed sensor wiring harness to the torsion beam.
- 35. Start the vehicle and check each connection for leaks.

Congrats! You just finished installing the 2014+ Ford Fiesta ST Cat-Back Exhaust.

