

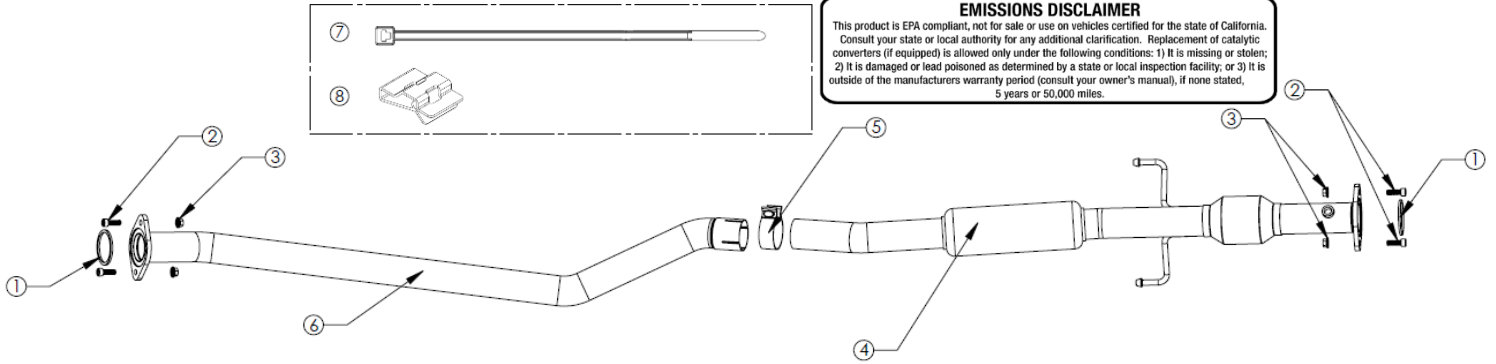


INSTALLATION INSTRUCTIONS

Direct Fit Catalytic Converter

47-47004

MAKE: Mazda
MODEL: 3
YEAR: 2014-2018
ENGINE: I4-2.0L

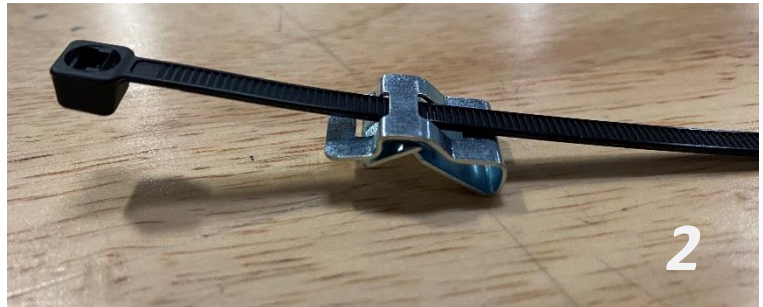
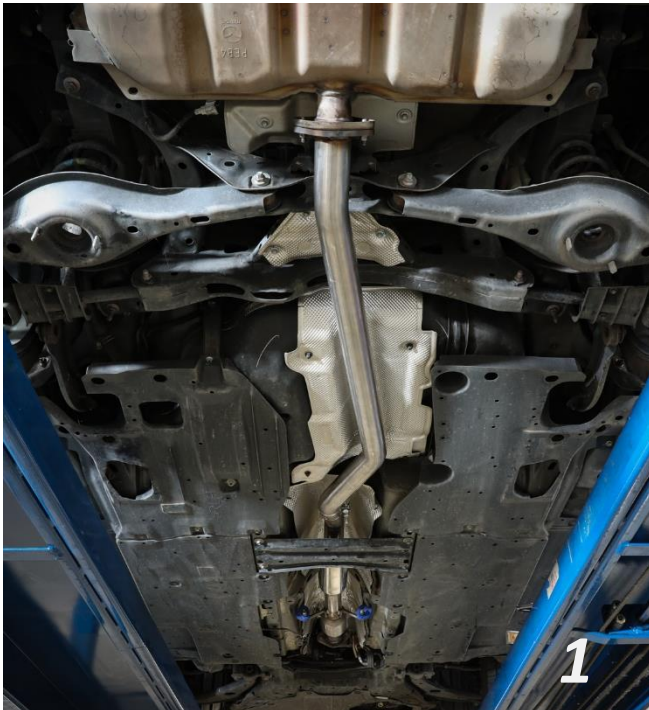


EMISSIONS DISCLAIMER
 This product is EPA compliant, not for sale or use on vehicles certified for the state of California. Consult your state or local authority for any additional clarification. Replacement of catalytic converters (if equipped) is allowed only under the following conditions: 1) It is missing or stolen; 2) It is damaged or lead poisoned as determined by a state or local inspection facility; or 3) It is outside of the manufacturers warranty period (consult your owner's manual), if none stated, 5 years or 50,000 miles.

Item	Description	Part Number	Quantity
1	Gasket	05-46420	2
2	M10 Flange Hd Cap Screw	03-50493	4
3	M10 Flange Nut	03-50189	4
4	DFC Assembly	05-245090	1
5	Band Clamp	05-41061	1
6	Mid-pipe	05-245091	1
7	Nylon Cable Zip Tie	03-50378	1
8	Cable Tie Clip on Mount	05-46490	1

aFe POWER recommends professional installation on this product. Thoroughly inspect the aFe POWER exhaust system to make sure there is no damage from shipping (if damage is noted, immediately contact aFe POWER customer service). Allow time for your vehicle to cool down prior to installation. When working on your vehicle proceed with caution. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation.

Install band clamps to proper torque specifications of 40-45 ft-lb.





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1. **(Read instructions prior to installation.)** It is recommended to not fully tighten the exhaust until it has been fully installed. Leave loose for adjustability.
2. Secure vehicle on jack stands (refer to your manual for specified jack stand positions).
3. For faster installation, spread out the parts of the DFC alongside your vehicle as shown in the diagram above.
4. Secure the stock exhaust with jack/stands.
5. Remove the first large center brace by loosening the (x6) 12mm bolts and (x2) 10mm bolts securing the center brace to the frame.
6. Remove the second center brace by loosening the (x6) 12mm bolts securing the center brace to the frame.
7. Remove the OE muffler assembly by loosening the (x2) 14mm nuts securing the muffler assembly to the OE mid-pipe and pry out the hanger rods out of the isolation mounts.
8. Unplug the O2 sensor from the harness located underneath the rear splash guard and remove the clip securing the O2 sensor to the frame.
9. Remove the OE mid-pipe by loosening the (x2) 14mm nuts securing the OE mid-pipe to the OE exhaust manifold and pry out the (x2) hanger rods from the isolation mounts.
10. Remove the OE front pipe assembly that contains the stock catalytic converter and resonator by loosening the (x2) nuts securing it to the factory downpipe.
11. Slide the hangers on the aFe POWER DFC assembly into the rubber isolation mounts.
12. Install the aFe POWER DFC assembly onto the OE downpipe using the supplied gasket and hardware.
13. Slide the aFe POWER Mid-pipe assembly onto the aFe POWER DFC assembly using supplied band clamp.
14. Install the aFe POWER Mid-pipe assembly to the OE muffler section using supplied gasket and hardware.
15. Ensure that all the components of the aFe POWER exhaust system are aligned and are at a safe clearance from all wires, hoses, brake lines, body parts, and tires.
16. Re-install both center braces using the OE hardware.
17. Attach cable tie clip to the first large center brace in location shown in **reference image 3**. (This step can also be performed before step 16).
18. Feed provided zip tie through cable tie clip. See **reference image 2** for how zip tie passes through clip.
19. Pull O2 sensor wire away from the aFe POWER DFC and through the zip tie. Once safely taugth, tighten zip tie, and cut off remaining slack.
20. Start from the front of the aFe POWER exhaust system and evenly tighten all clamps and fasteners.
21. Start the vehicle and check for any leaks. If any leaks are found, determine cause and repair as necessary.
22. Remove vehicle from jacks stands.
23. It is recommended to re-tighten all clamps and hardware after 50-100 miles.