

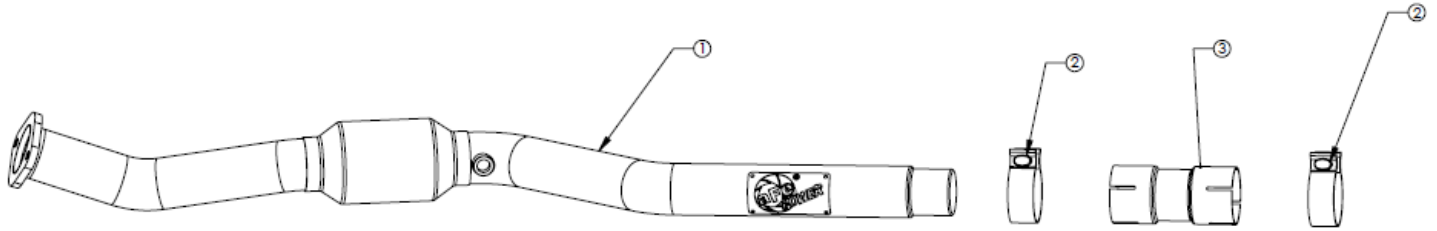


# INSTALLATION INSTRUCTIONS

## Direct Fit Catalytic Converter

**MAKE:** Mazda  
**MODEL:** Miata  
**YEAR:** 2016-2020  
**ENGINE:** 2.0L

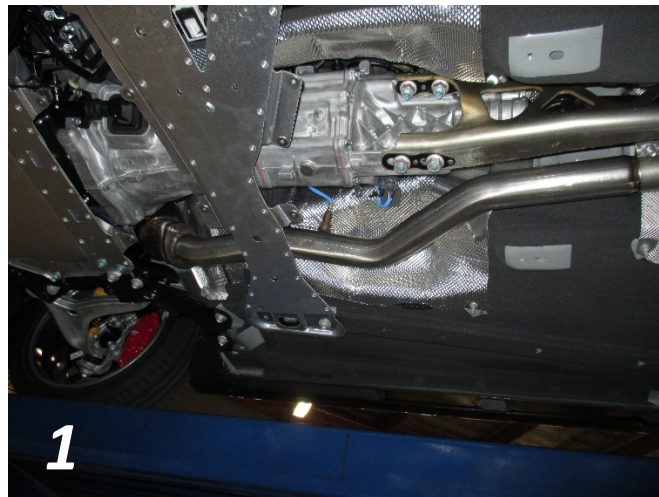
47-47002



Item	Description	Part Number	Quantity
1	Direct Fit Catalytic Converter Assembly	05-144798	1
2	2 .25" Band Clamp	05-41210	2
4	Tube, Adapter 2.25"	05-144802	1
3	Ties, Nylon Cable: 12", 50lb. Black	05-60167	1
5	Warranty Sheet, Catalytic Converters	06-00140	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 exhaust alongside your vehicle as shown in the diagram above.
4. Secure the OE exhaust with jack/stands.
5. Remove the (x2) 14mm spring loaded nuts securing the OE muffler to the OE mid-pipe.
6. Using hanger pliers or a pry bar to remove the (x4) OE hanger from the isolation mounts.
7. Remove the OE muffler.
8. Unplug the O2-sensor on the OE converter pipe.
9. Remove the OE converter pipe using a O2-sensor socket.
10. Remove the (x2) 14mm lock nuts at the mid-pipe flange.
11. Using hanger pliers or a pry bar to remove the OE hanger from the OE isolation mount on the OE mid-pipe.
12. Mark 4-1/2" away from the welded-on heat shield.
13. Using a tube cutter or a saw cut along the marked lines and deburr the cut tube.
14. Install the aFe Direct Fit Converter using the OE 14mm nuts.
15. Plug in the O2 sensor to the OE connector and tighten the O2-sensor using a O2-sensor socket.
16. Use the supplied Nylon Cable Tie to secure O2-sensor cable away from the exhaust.
17. Slide the supplied Tube Adapter onto the aFe Direct Fit Converter along with (x2) 2.25" band clamps.
18. Slide the OE mid-pipe into the Tube Adapter and slide the OE hanger rod into the OE isolation mount.
19. Install the OE muffler assembly using the (x2) OE 14mm spring loaded nuts securing the OE muffler to the OE mid-pipe and slide the OE hanger rods into the OE isolation mounts.
20. Ensure that all the components of the aFe Direct Fit Converter and OE exhaust are aligned and are at a safe clearance from all wires, hoses, brake lines, body parts, and tires.
21. Working from front to back tighten all clamps and hardware.
22. Start the vehicle and check for any leaks. If any leaks are found, determine cause and repair as necessary.
23. Remove vehicle from jacks stands.
24. It is recommended to re-tighten all hardware after 50-100 miles.