

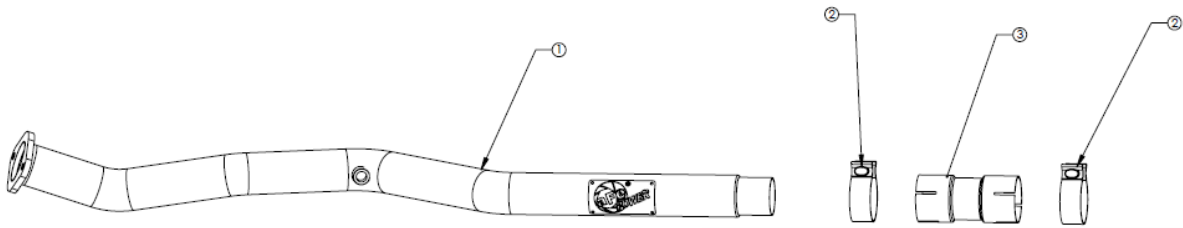


INSTALLATION INSTRUCTIONS

MAKE: Mazda
MODEL: Miata
YEAR: 2016-2021
ENGINE: 2.0L

Twisted Steel Mid Pipe

48-37004-RN



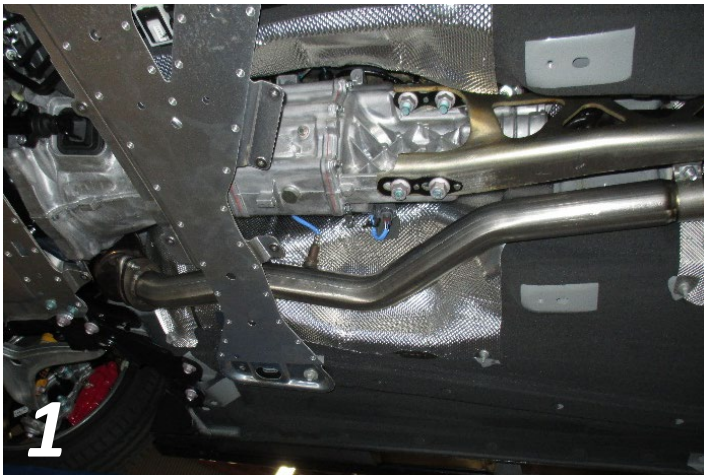
RACE ONLY DISCLAIMER

This is a Race Only product that is to be used solely for competition, it cannot be used on vehicles that are operated on public streets, roads or highways. Its use is limited to closed-course and open-course racing that is formally sanctioned by a recognized racing organization. Any other use, including recreational off-road use, could be in violation of local, state and federal laws. A competition acknowledgement / liability release form must be filled out and submitted.

Item	Description	Part Number	Quantity
1	Mid-Pipe Assembly	05-145799	1
2	2 .25" Band Clamp	05-41210	2
3	Tube, Adapter 2.25"	05-144802	1
4	Ties, Nylon Cable: 12", 50lb. Black	05-60167	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. Remove the muffler assembly by removing the hardware from the flanges and prying out the hanger rod from the isolation mounts. **(Keep hardware set aside for re-installation)**

5. **(For installation on aFe POWER Exhaust)** Remove the aFe POWER Front-Pipe by loosening the 2.25" band clamp from the OE mid pipe and prying out the hanger rod on the aFe POWER Front-Pipe from the isolation mount

5. **(For installation on OE Exhaust)** Mark 4-1/2" away from the welded-on heat shield. Using a tube cutter or a saw cut along the marked line and deburr the cut tube.

6. Unplug the O2-sensor on the OE converter pipe.
7. Remove the O2-sensor using a O2-sensor socket.
8. Remove the (x2) 14mm nuts securing the OE converter pipe to the OE exhaust manifold by unbolting the flange.
9. Remove the OE converter pipe.
10. Install the aFe Twisted Steel Mid-Pipe using the OE (x2) 14mm nuts.
11. Install the O2 sensor and plug it into the OE connector. Use the supplied nylon cable tie to secure the O2 sensor cable away from the exhaust.

12. **(For installation on aFe POWER Exhaust)** Install the aFe POWER Cat-Back Front-Pipe and Mid-Pipe by sliding the aFe POWER Front-pipe onto the aFe Twisted Steel Mid-Pipe and secure using the provided (x1) 2-1/4" band clamp. Then Slide the hanger rod into the OE isolation mount.

12. **(For installation on OE Exhaust)** Slide the provided (x1) Tube Adapter onto the aFe Twisted Steel Mid-Pipe and OE Mid-Pipe with the provided (x2) 2-1/4" band clamps.

13. Slide the OE hanger rod into the OE isolation mount.
14. Re-install the removed muffler assembly to the Mid-Pipe using the hardware set aside from *Step 4*.
15. Ensure that all the components of the aFe Twisted Steel Mid-Pipe and the exhaust are aligned and are at a safe clearance from all wires, hoses, brake lines, body parts, and tires.
16. Working from front to back tighten all clamps and hardware.
17. Start the vehicle and check for any leaks. If any leaks are found, determine cause and repair as necessary.
18. Remove vehicle from jacks stands.
19. It is recommended to re-tighten all hardware after 50-100 miles.