

MAZDA MX-5 / MIATA (NC)

INSTALLATION GUIDE

Automatic models can only install the axelback system.
Manual models can install either; midpipe & axelback or the complete catback

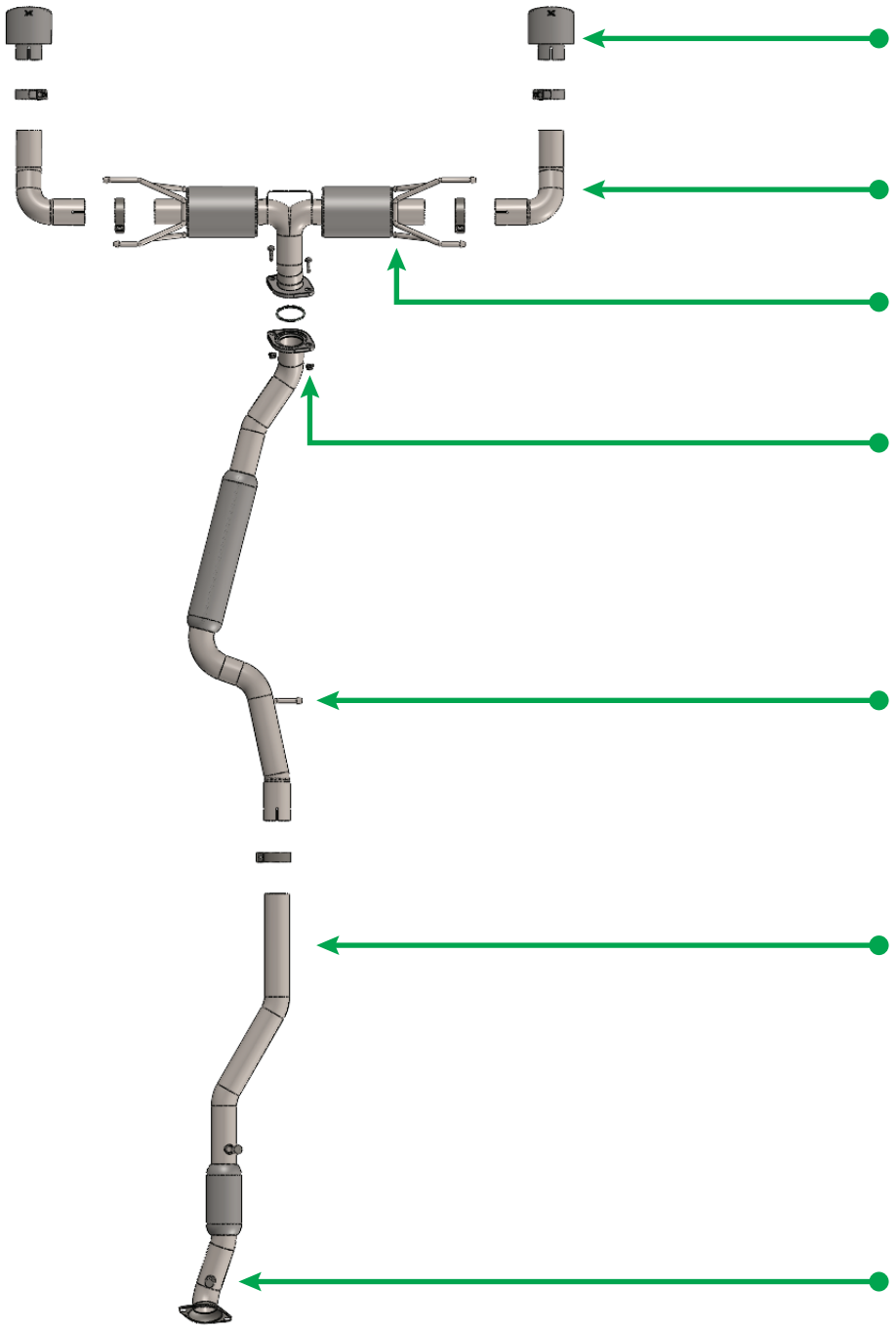
Unboxing

AXELBACK DIFFICULTY

MIDPIPE & CATBACK DIFFICULTY

Before starting, Familiarise yourself with this process and ensure that you have the skills and capabilities to perform this install with all safety measures in place. When youre ready, remove the factory system from the vehicle prior to installing your new catback. Its best to unpackage all the contents of your system and lay it out on the floor as shown bellow, to ensure everything is present and so that you can familiarise yourself with the individual components throughout the install.

NOTE: Installation guide for the axelback starts at "STEP 4" on the next page.



Bolt-on tips (Polished)

Tailpipes
- Left hand side
- Right hand side

Axelback Muffler

Fitting Hardware
- Nuts & Bolts
- Fire-ring Gasket
- High Tensile Slip-joint Clamps
- Low Tensile Slip-joint Clamps

Rear Connecting Pipe

Front connecting pipe

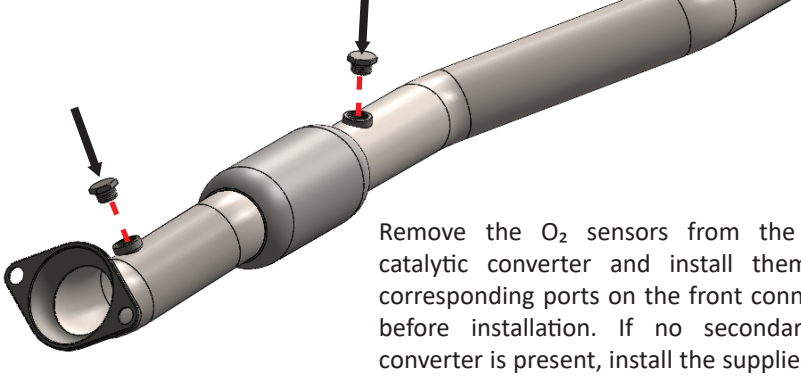
02 Sensor Blockers
(For models without secondary cats)

XFORCE RECOMMENDS AN AUTHORISED PROFESSIONAL TO INSTALL ALL PRODUCTS

WARNING: When working on any vehicle exercise extreme caution. Please allow the vehicles exhaust system to be cool enough to touch before removal. Failing to do so may result in severe burns. If working without a hoist refer to the vehicles manual to check correct lifting specifications. Always wear safety glasses, protective gloves and ensure your working in a safe area. Serious injury or death can occur if the correct safety measures are not followed.

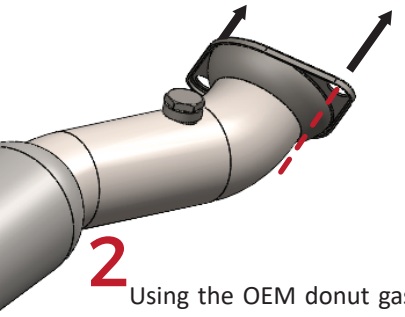
ATTENTION: Please read the instructions carefully. XForce will only warrant manufacturing faults. This does not extend to damage or breakage due to incorrect fitment.

Fitting Instructions:



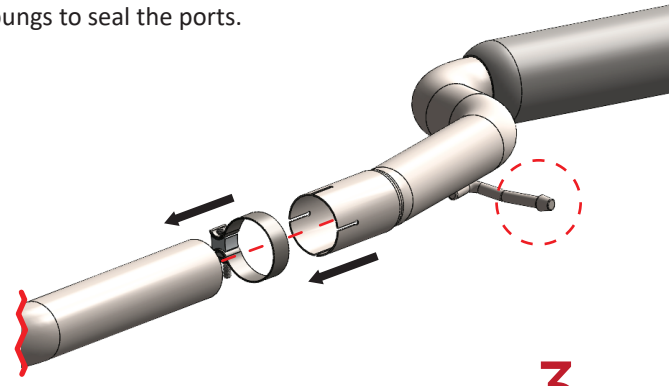
1

Remove the O_2 sensors from the secondary catalytic converter and install them into the corresponding ports on the front connecting pipe before installation. If no secondary catalytic converter is present, install the supplied O_2 sensor bungs to seal the ports.



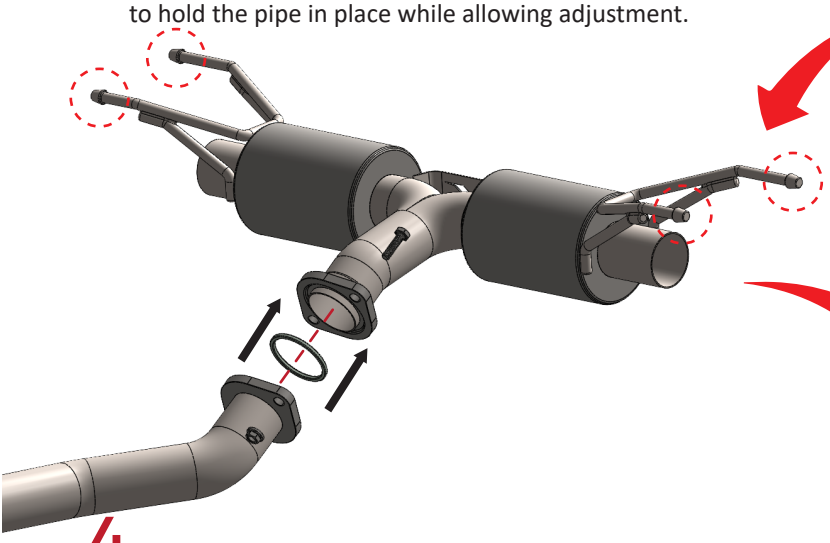
2

Using the OEM donut gasket, spring, and bolts, connect the front connecting pipe to the flange. Loosely tighten the bolts to hold the pipe in place while allowing adjustment.



3

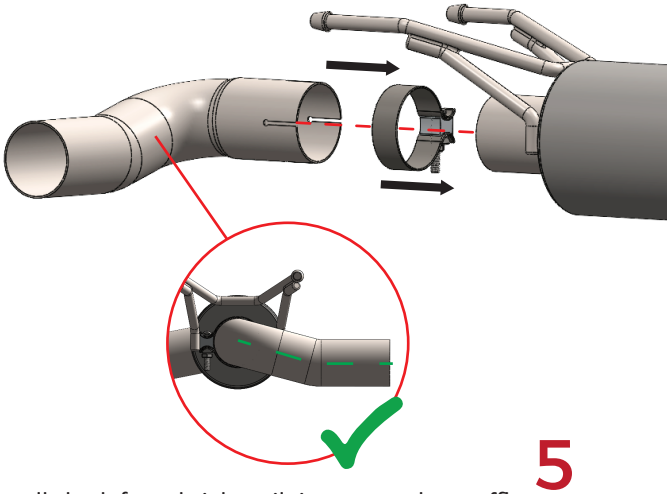
Slide the rear connecting pipe onto the front connecting pipe, ensuring the slip joint clamp is in place. Then insert the hanger into the hanger bracket to support and position the pipe correctly.



4

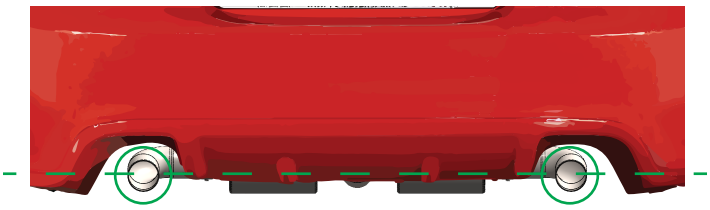
Axle-back Only:
Hang the muffler assembly onto the OEM rubber hangers on the chassis. The flanges should align naturally. Using the supplied Nuts & Bolts with the original fire-ring gasket, secure the flanges in place.

Cat-back Only:
Hang the muffler assembly onto the OEM rubber hangers on the chassis. Align the rear connecting pipe flange with the muffler assembly flange, then secure using the supplied fire-ring gasket, nuts, and bolts.



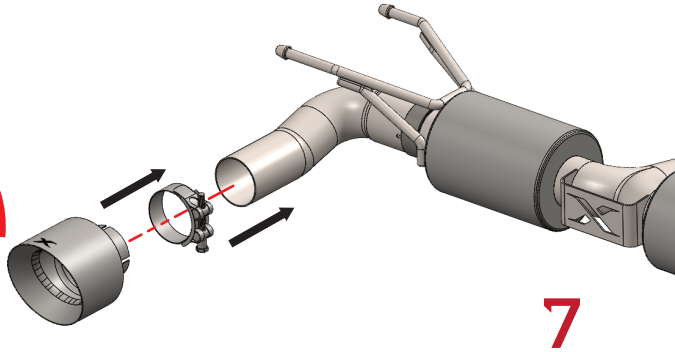
5

Install the left and right tailpipes onto the muffler outlets with the slip joint clamps in place. Ensure correct orientation so the tips point in the proper direction.



6

Once the tailpipes are installed, adjust them so the outlets align with the diffuser exits. Ensure they are centred within the cut-outs on both sides and level with each other for proper symmetry.



7

Lastly, slide the two tips onto the tailpipes and align the top edge of each tip flush with the furthest point of the diffuser to prevent heat damage. Tighten all nuts and bolts across the entire system to secure it in place. Start the engine to heat cycle the system and check for any leaks. Make any further adjustments if necessary.

