



INSTALLATION GUIDE

**2012+ BMW 320i
Touring Edition Exhaust**

**2012+ BMW 320i
Performance Mid Pipe**

FOR RACING USE ONLY

Congratulations on your purchase of the AWE Tuning Touring Edition Exhaust and Performance Mid Pipe for the 2012+ BMW 320i.

Exquisite build quality and superior performance distinguishes this exhaust from all others.

Contact us with any installation questions.

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AWE-Tuning.com

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Touring Edition Single Tip Exhaust

- 1 tip section (part NE)
- 1 rear 180 Technology™ resonator assembly (part KH)
- 1 90mm tip or 102mm tip (optional finish)
- 1 2.62" t-bolt clamp
- 1 coupler (part KF)
- 3 3" accu-seal clamp
- 2 hanger collar, 3/8"
- 1 allen key, 7/64"

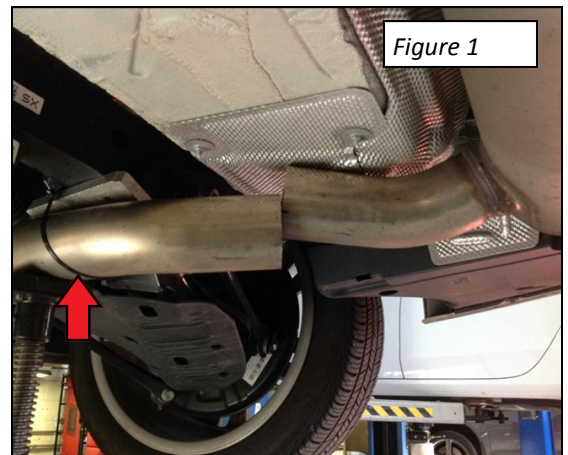
Performance Midpipe

- 1 front section A (part NC)
- 1 front section B (part ND)
- 1 mid-section (part KC)
- 1 resonator section (part KE)
- 1 coupler (part KG)
- 1 63.5mm accu-seal clamp
- 5 3.0" accu-seal clamp

Step 1

If you are installing the AWE Tuning Touring Edition Exhaust with Performance Mid Pipe there is no need to cut the factory exhaust, so skip to **Step 3**.

If you are installing just the Touring Edition Exhaust and re-using the factory mid pipe, the exhaust will have to be cut just after the rear axle. Before cutting, use a zip tie or other manner to support the factory exhaust as shown at arrow in **Figure 1**.



Step 2

Locate the dimple in the factory exhaust, at arrow in **Figure 2**, and cut the tubing at this point.

Remove the nuts securing the exhaust hangers to the chassis.
Remove the muffler from the vehicle.

Deburr the ends of the cut tubing and ensure outside of the tube is free of debris.

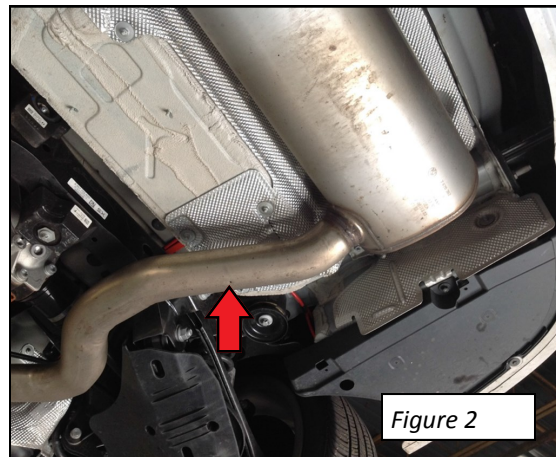


Figure 2

Step 3

If you are not installing the AWE Tuning Performance Mid Pipe, skip to **Step 7**.

Spray penetrating oil on the factory cat section exhaust clamp before loosening the nut, at **Arrow A** in **Figure 3**. Loosen this clamp.

Remove chassis brace at the center of the vehicle, at **Arrow B** in **Figure 3**.

Remove bolts securing the front exhaust hanger to the cross-brace, at **Arrows C** in **Figure 3**.

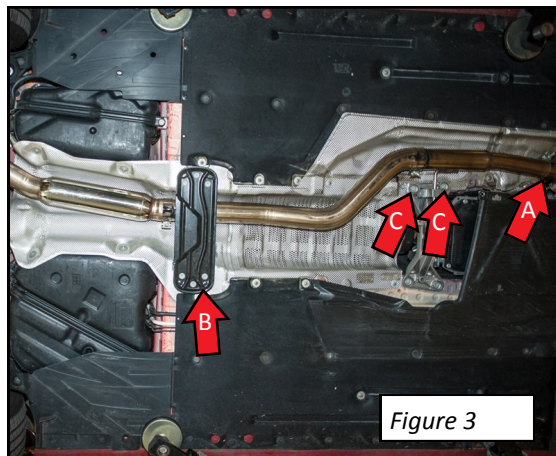


Figure 3

Step 4

If AWE Tuning Touring Edition Exhaust had been previously installed, loosen the clamps at the sleeve junction, at arrow in **Figure 4**.

If factory rear muffler is still installed, and you are removing the entire exhaust in one piece, support the rear muffler and unclip the wire harness to the valve motor and then remove the nuts securing the exhaust hangers to the chassis.

To remove the exhaust from the vehicle, drop it 8-10" downward from the chassis and pull rearward with a twisting motion to separate the junction at the cat section. Due to the weight of the system, it is recommended that two people perform this step.

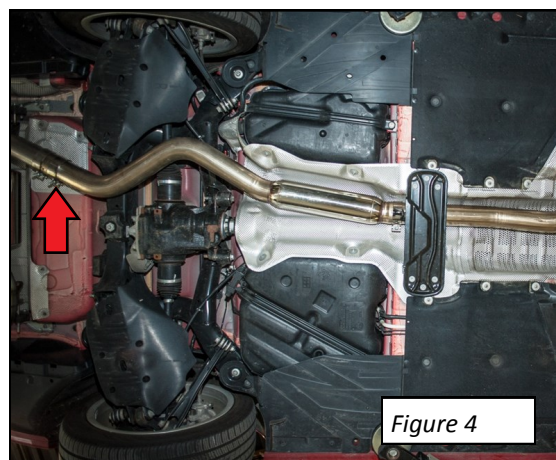


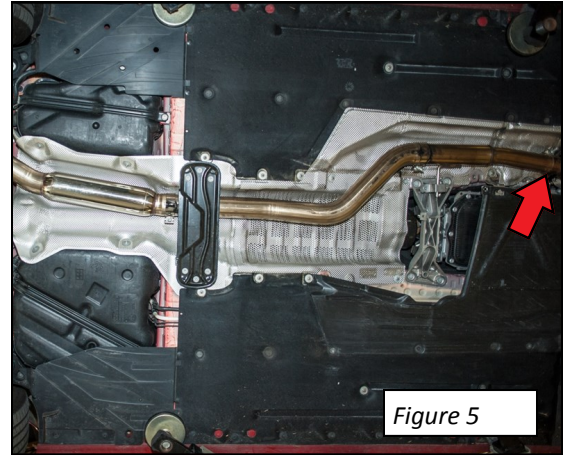
Figure 4

Step 5

Installation of the AWE Tuning Performance Mid Pipe is essentially the reverse of removal.

Use the supplied 63.5mm Accu-Seal clamp to join the front section, Part NC, to the factory cat section, at arrow in **Figure 5**.

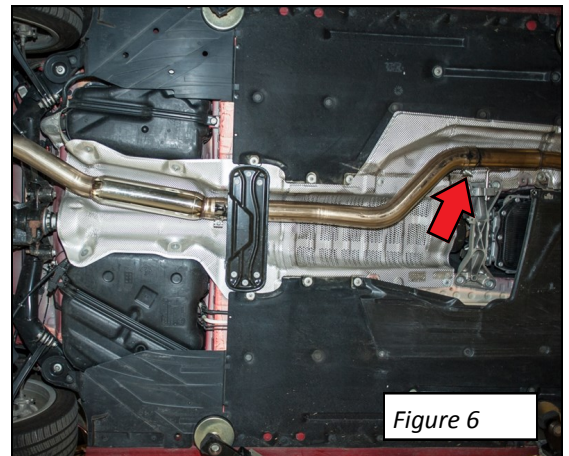
Reinstall the factory mount bracket and align the hanger bar perpendicular on the Performance Mid Pipe front section by rotating the tube. Secure the bolts on the factory rubber hanger.



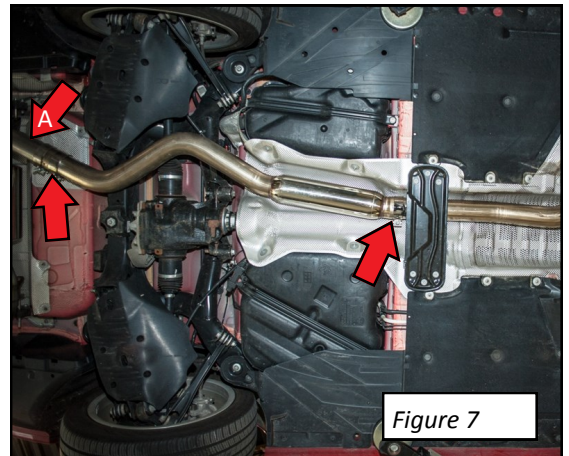
Step 6

Install balance of components using the supplied 3.0" Accu-Seal clamps at arrows in **Figures 6** and **7**. Part ND attaches to the outlet of Part NC. Part KC attaches to the outlet of Part ND.

Leave the clamps loose until the tips on the exhaust system are adjusted into position while simultaneously ensuring clearance at the mid brace.



Use the supplied coupler with the Mid Pipe, at **Arrow A** in **Figure 7**, to attach the Mid Pipe to the AWE Tuning Touring Edition Exhaust.



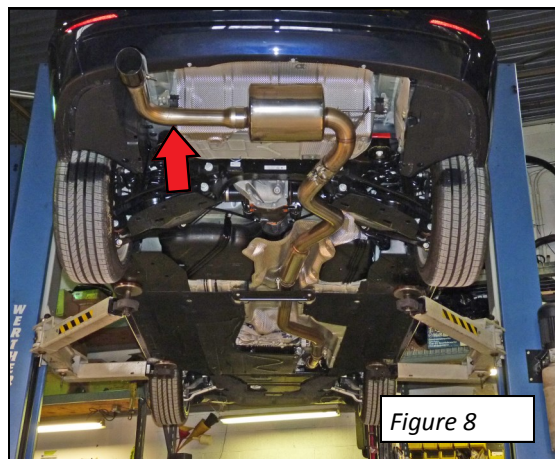
Step 7

Slip the tip outlet section, at arrow in **Figure 8**, onto the rear 180 Technology™ resonator assembly outlet using supplied 3.0" Accu-Seal clamp.

Slip on factory hanger brackets to the exhaust hanger bars.

Use supplied coupler and two 3.0" Accu-Seal clamps to attach factory mid pipe to the muffler inlet.

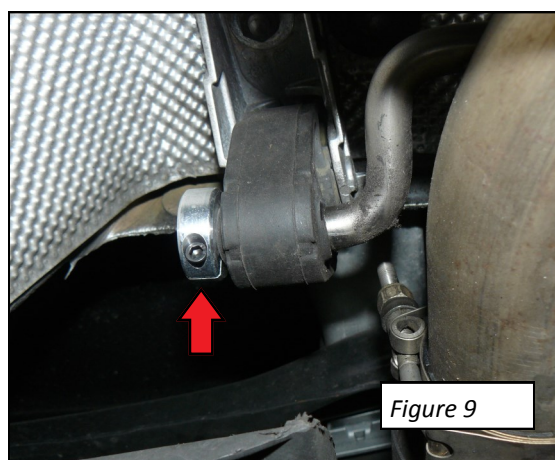
Align tips in valance, tighten all clamps, including those on Performance Mid Pipe (if installed).



Step 8

Once the exhaust system is properly adjusted, install a hanger post clamp on each of the rear muffler hanger posts, as shown at arrow in **Figure 9**. Slide the clamp onto the hanger post so that it sits snug against the rubber element, and then tighten down with the enclosed allen wrench.

These clamps will keep the exhaust from sliding laterally under usage and will keep the tips properly aligned in the valance openings.



Tip Installation

To accomplish the best tip fitment, align the tip clamp to cover *only* the slot, as shown by Arrow A in Figure 10.

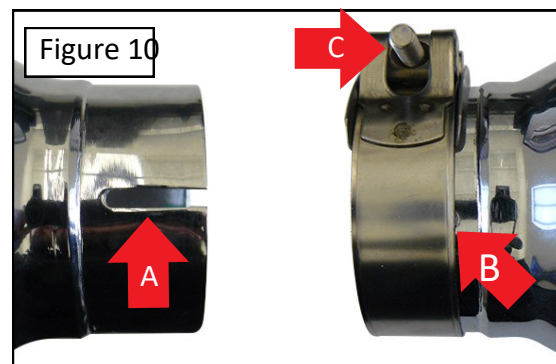
The clamp should only be covering the section of the tip that has been slotted, as shown by Arrow B in Figure 10.

Torque the tip clamp to a minimum of 18 ft./lbs.



NOTES:

- It is required to apply anti-seize to the threads to prevent the clamps from breaking, shown by Arrow C in Figure 10.
- It is okay to have the clamp extend beyond the edge of the tip inlet.



CARE & WARRANTY

Once installed properly, your AWE Performance Exhaust will provide years of trouble-free performance. The exhaust volume and sound will settle with usage; 800-1000 miles is required to break-in new exhaust systems.

Periodic cleaning of exhaust tips is necessary to maintain proper finish, especially in areas prone to road salt and caustic deicing solutions. Use a mild soap and water solution or car wax to clean the finish. Avoid using metal polishes, as they can scratch the finish.

Any questions or comments,
please do not hesitate to contact us:

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Up-to-date warranty information is found [HERE](#).