

**FOR RACING USE ONLY**



## **2014+ PERFORMANCE MIDPIPE INSTALLATION GUIDE**

Thank you for purchasing the **AWE Performance Midpipe** for the **2014+ BMW N55 engine M235i**.

# PARTS LIST



**INSPECT ALL PARTS PRIOR TO DISASSEMBLY OF VEHICLE; IF DAMAGED OR MISSING, PLEASE CONTACT THE PLACE OF PURCHASE IMMEDIATELY.**

## PERFORMANCE MIDPIPE

*(compatible only with AWE Tuning Touring Edition Exhaust)*

- 1 Front section (part LV)
- 1 Inlet section (part LZ)
- 1 Non-resonated mid tube (part LY)
- 1 Clamp/gasket assembly
- 3 3.00" 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 2**.

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 mid resonator.

Locate the weld bead at the inlet of the factory mid pipe resonator, at arrow in **Figure 1**.

From **Arrow A** in **Figure 2** (weld bead), measure 2" behind (towards the rear of the car) and mark a line, at **Arrow B** in **Figure 2**. Cut here for Touring Edition Exhaust install point.

Unclip the wire harness to the valve motor and then 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.

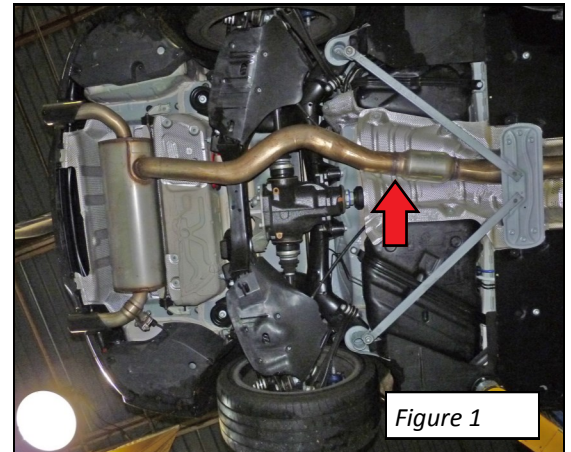


Figure 1

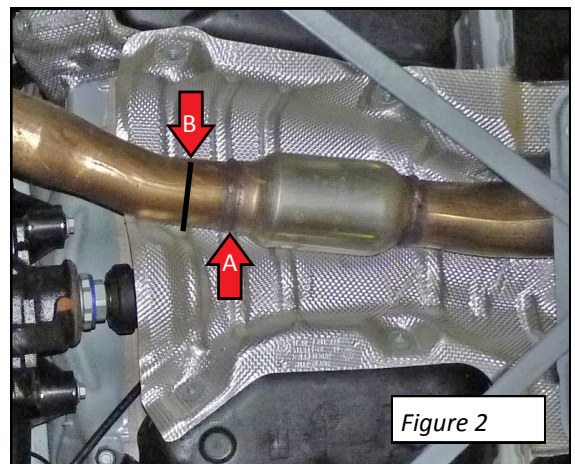
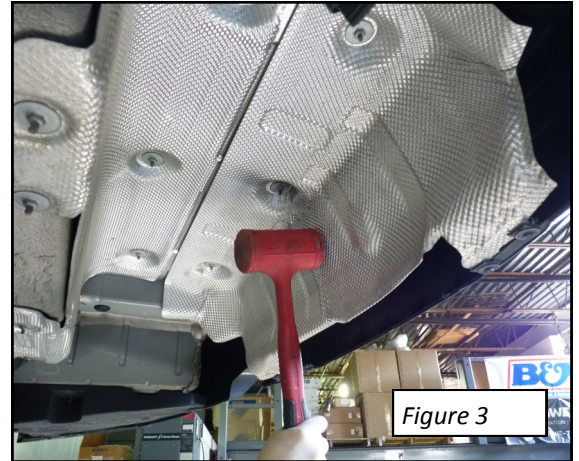


Figure 2

## Step 2

With a soft blow mallet, tap back by 1" the heat shielding behind the rear bumper, as shown in **Figure 3**.



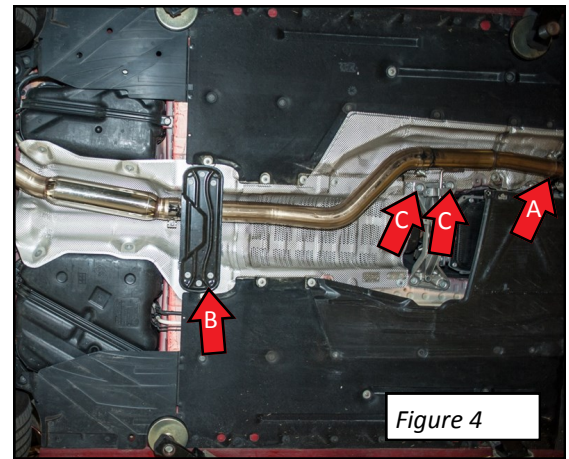
## Step 3

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 4**. Loosen this clamp. Remove the clamp and discard.

Remove chassis brace at the center of the vehicle, at **Arrow B** in **Figure 4**.

Remove bolts securing the front exhaust hanger to the cross-brace, at **Arrows C** in **Figure 4**.

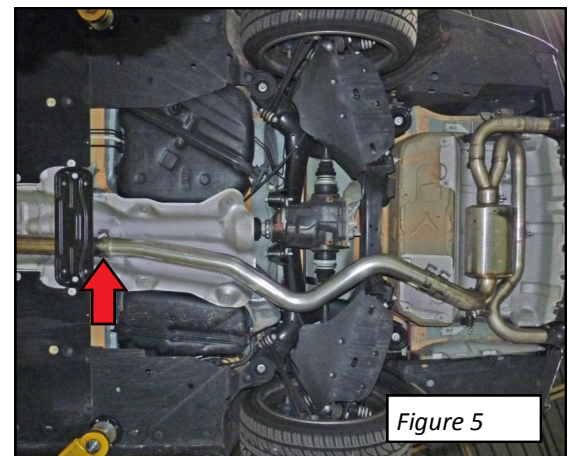


## Step 4

If AWE Tuning Touring Edition Exhaust had been previously installed, loosen the clamps at the sleeve junction, at arrow in **Figure 5**.

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.

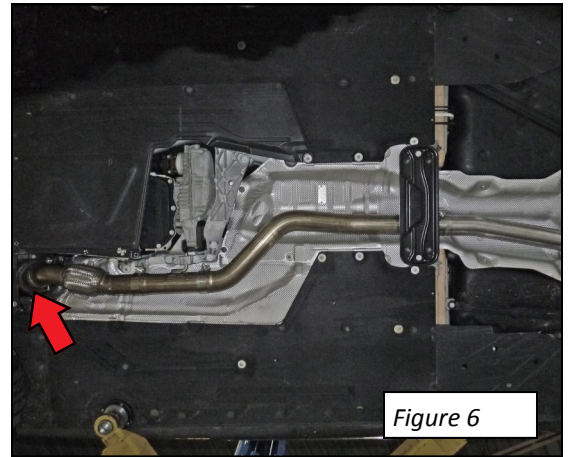


## Step 5

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

Use the supplied BMW clamp/gasket assembly to join the front section to the factory cat section, at arrow in **Figure 6**.

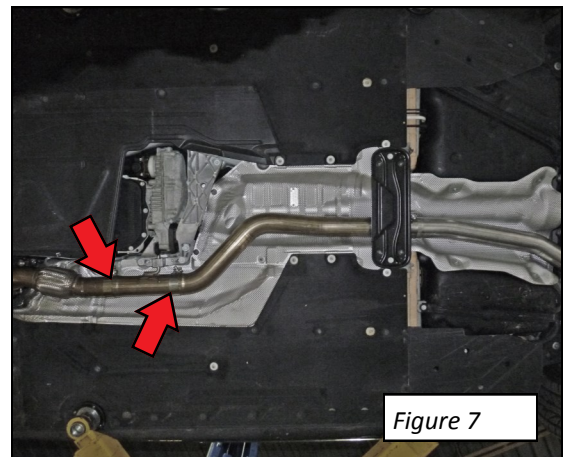
Reinstall the factory mount bracket and align the hanger bar perpendicular on the Performance Mid Pipe front section by rotating the tube. Secure the bolts on the factory rubber hanger.



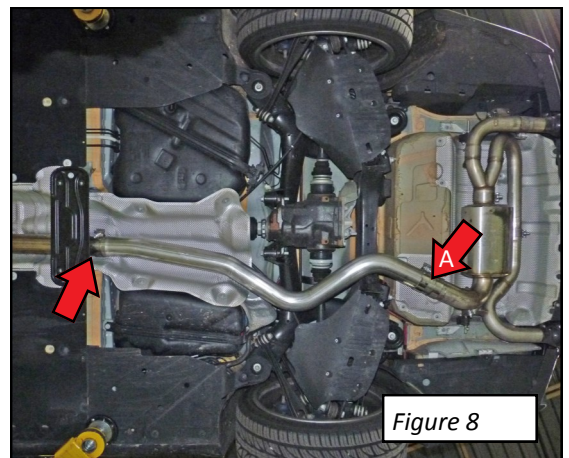
## Step 6

Install balance of components using the supplied 3.0" Accu-Seal clamps at arrows in **Figures 7 and 8**.

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 8**, to attach the Mid Pipe to the AWE Tuning Touring Edition Exhaust.



## Step 7

Pre-assemble tip outlet section, at arrow in **Figure 9**, 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 M8 hardware to secure passenger outlet tab to rear muffler bracket as shown in **Figure 10**.

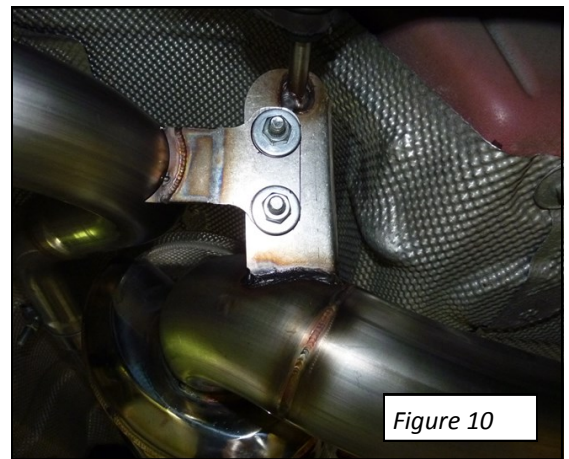
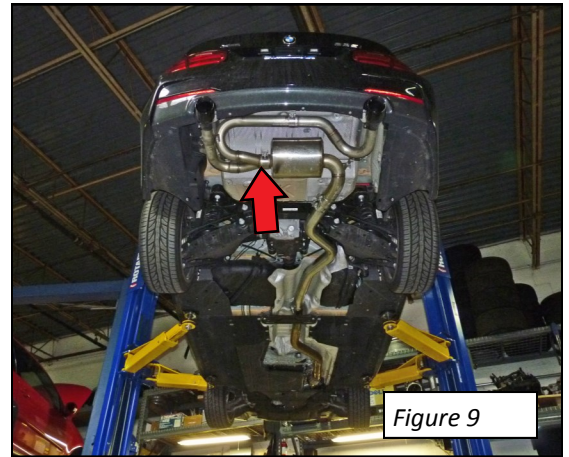
Use supplied coupler and two 3.0" Accu-Seal clamps to attach factory mid pipe to the muffler inlet. For proper clamping, make sure this coupler equally overlaps the mid pipe outlet and the muffler inlet.

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

Unbolt valve motor from the factory exhaust.

Use the supplied M6 bolts and washers to mount the valve motor onto the AWE Tuning Touring Exhaust bracket.

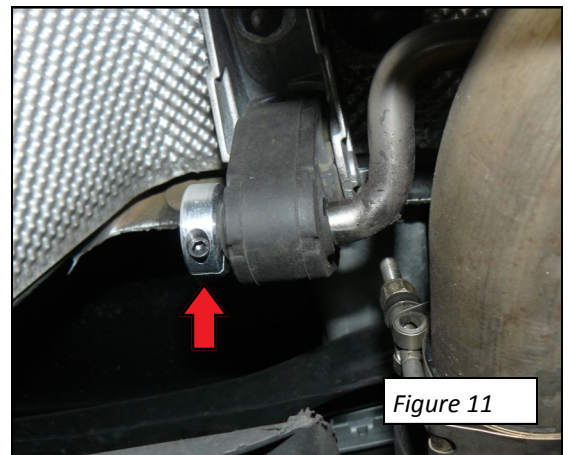
Re-connect wire harness to valve motor.



## 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 11**. 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.



ENJOY!



# CARE

Once installed properly, the 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.

# WARRANTY

## Summary:

This warranty is in place for all AWE brand products, and works in conjunction with any incremental specific product warranties or guarantees as listed on AWE-Tuning. This warranty protects against manufacturer defect. A performance car is only as strong as its weakest link. Therefore, it is vital that you maintain your vehicle to factory specifications. By installing or using the purchased product, the Consumer accepts this warranty and any specific Manufacturer warranties enclosed. The following warranty is valid only in the United States and Canada. The Manufacturer's full warranty applies to all products sold.

## Covered:

All AWE brand products against manufacturer defect. Please note that special order items are not returnable.

## Condition of system:

In the event of a return, product must be returned with no signs of abuse, incorrect installation, forced installation, motorsports usage, or product altering whatsoever. Actions will be granted upon receipt of product at AWE, after inspection.

## Action:

Returns and warranty claims MUST BE HANDLED THROUGH ORIGINAL LOCATION OF PURCHASE. Upon verification of warranty coverage, AWE will, at its sole option, repair, replace or consult toward remedy for the defective product, without charge. This is the only remedy the Consumer has for any loss or damage, however arising, due to nonconformity in or defect of the product. This warranty does not cover consequential damage, loss of time or revenues, labor, inconvenience, loss of use of vehicle, shipping, damage to the vehicle or components, or other incidental or indirect damage.

## Labor:

Labor is not covered.

## Shipping:

Shipping charges are not covered.

## Restocking:

AWE reserves the right to charge a 20% restocking fee for products that are returned.

## Exclusions:

Use of product in Motorsports or Racing conditions is grounds for warranty denial. Motorsports and Racing is an inherently abusive operational condition, and it is impossible to warranty for this type of usage. Warranties may be voided if product is not installed by an authorized AWE dealer. Warranties will be voided if product is improperly serviced, modified, or used in a way not intended by the Manufacturer. The Consumer is responsible for ensuring that the product is installed in a safe and proper manner, and should cease usage of the product immediately if an unsafe or improper condition is noted. If an unsafe or improper condition is noted, the Consumer should then immediately contact the facility where the product was installed, or AWE.

## Other:

EXCEPT AS EXPRESSLY SET FORTH ABOVE, AWE MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO ANY MATTER WHATSOEVER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL AWE BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES HOWEVER CAUSED, ON ANY THEORY OF LIABILITY, AND WHETHER OR NOT AWE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. AWE's sole liability on any claim of any kind, whether in contract, tort, or otherwise, for any loss or damage arising out of, connected with, or resulting from the manufacture, sale, delivery or use of the products sold hereunder shall in no case exceed the amount actually paid to AWE for the applicable product. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy.