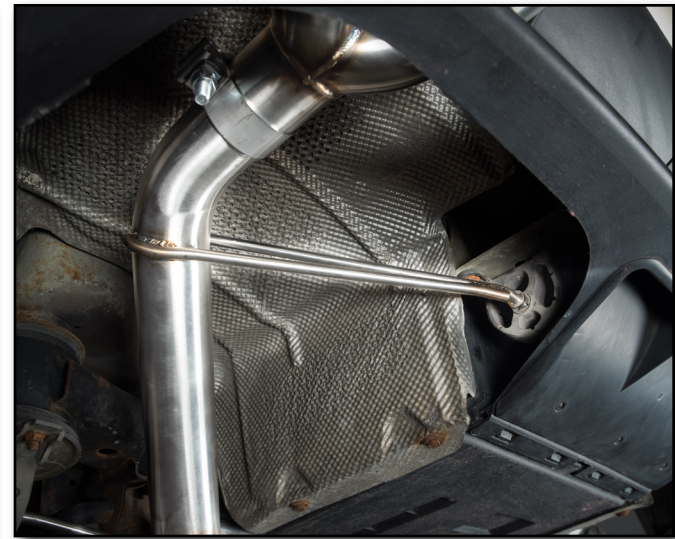
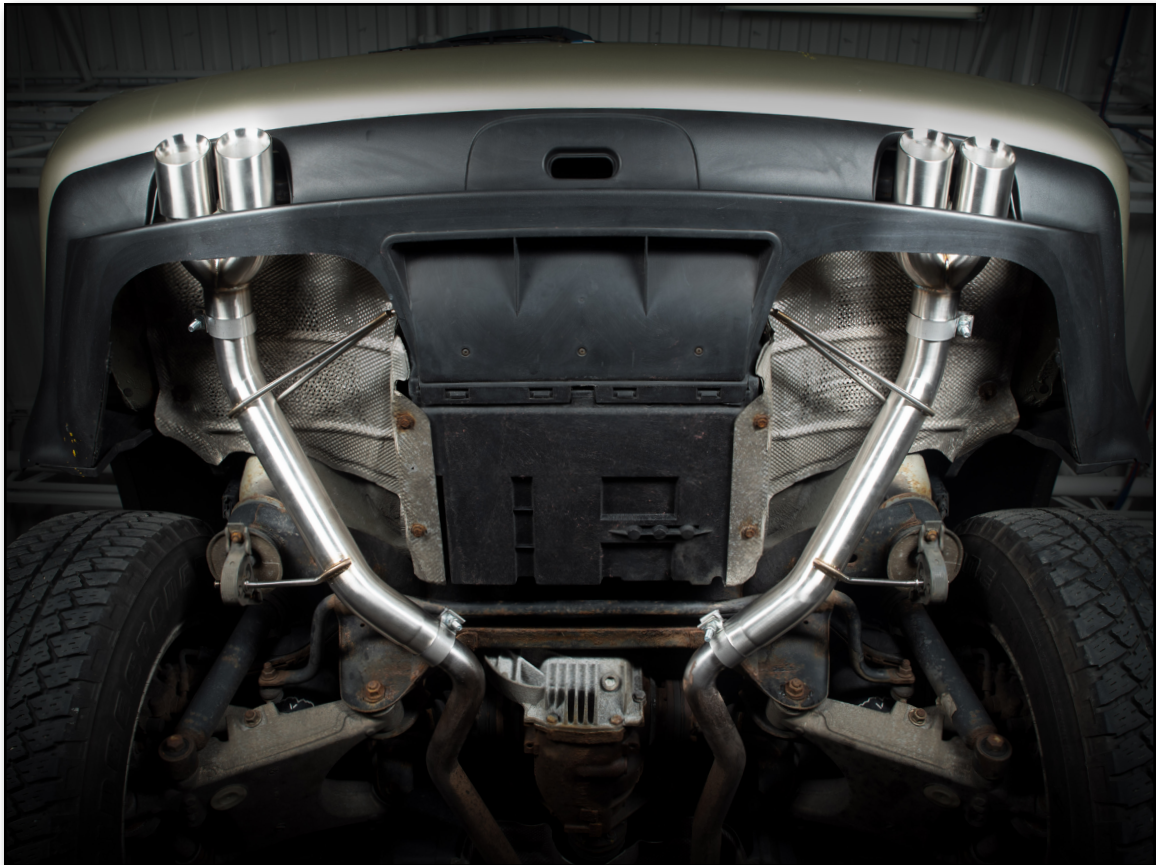




BMW E53 X5 V8 Muffler Delete Kit Installation Instructions



Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

INSTALLATION NOTES

- **RH** refers to the *passenger side* of the vehicle.
- **LH** refers to the *driver side* of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

GENERAL PREPARATION AND SAFETY INFORMATION

Turner Motorsport cares about your health and safety, please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and utilize the factory specified lift points.
- Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- **ALWAYS** support the vehicle with jack stands.
- **ALWAYS** read and follow all safety information and warnings for the equipment you are using.

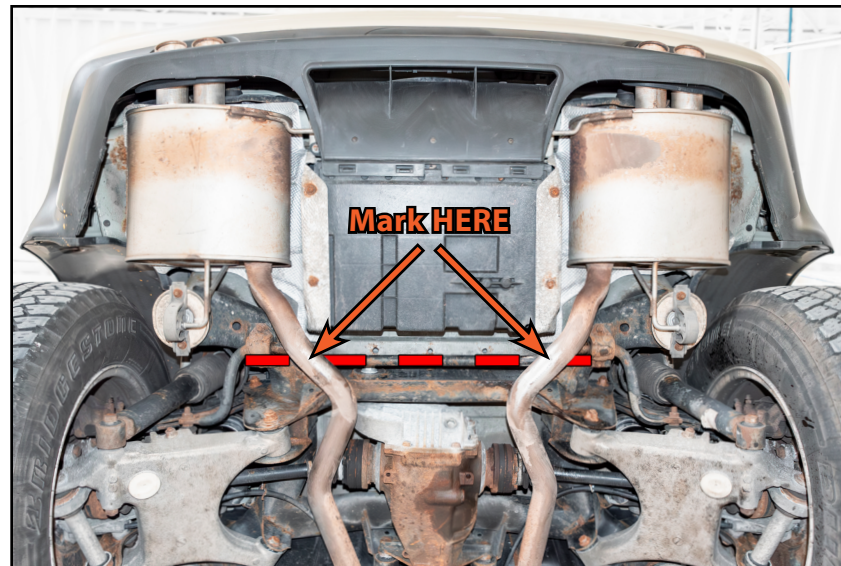


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE STOCK MUFFLERS

Step 1: Marker

Safely lift and support the vehicle. Using a marker, make a mark on each exhaust pipe where it intersects the sway bar (**RED** lines).



Step 2: Masking Tape

Wrap masking tape all the way around each exhaust pipe at the location of each mark to guide your cut.



REMOVING THE STOCK MUFFLERS

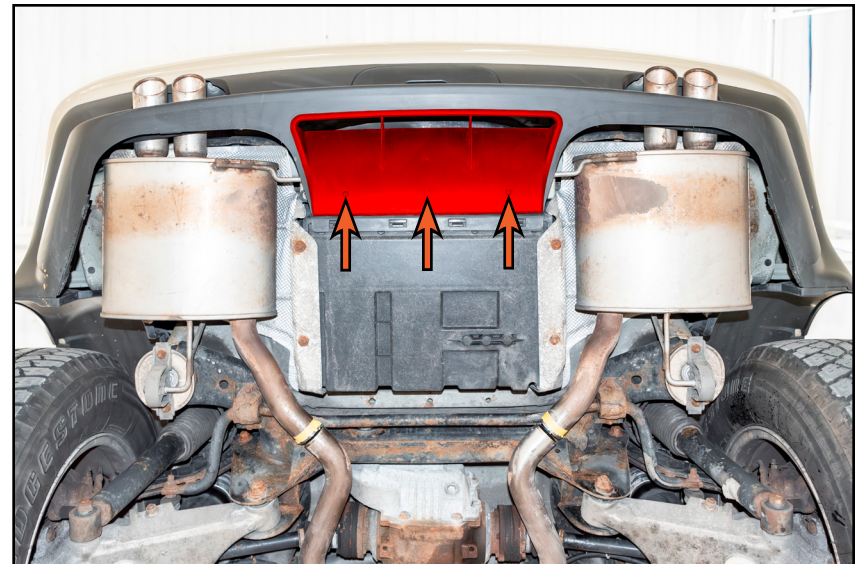
Step 3: Reciprocating Saw -OR- Exhaust Pipe Cutter Tool

Using a reciprocating saw or exhaust pipe cutter tool (available [HERE](#)) cut along the line you made in the previous step until you cut all the way through each pipe.



Step 4: Phillips Head Screwdriver

Remove the screws (arrows) and remove the plastic panel (highlighted in **RED**) to access the rear muffler hangers.



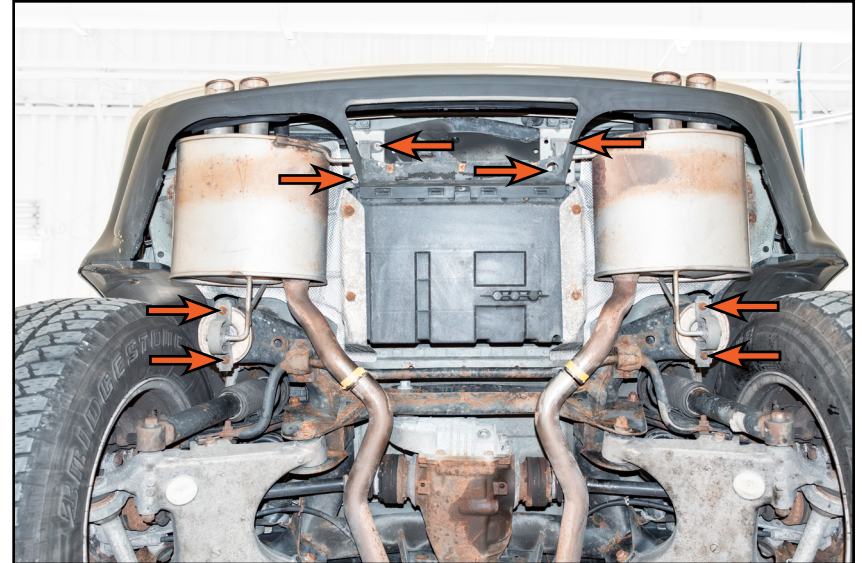
REMOVING THE STOCK MUFFLERS

Step 5: 13mm Socket & Ratchet



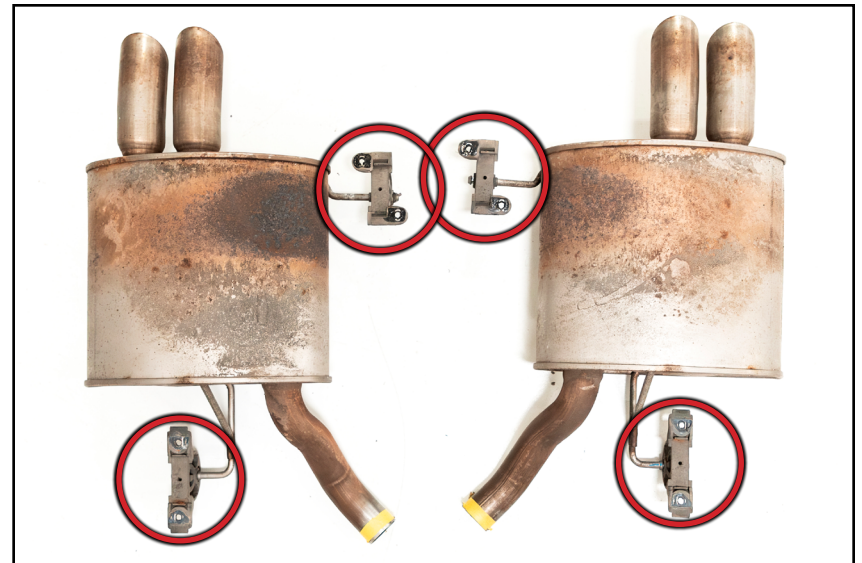
We highly recommend have a second set of hands or a jack in place to support the mufflers before attempting to remove them.

Support one muffler, remove the four nuts (arrows) which secure the hangers to the vehicle, and lower the muffler from the vehicle. Repeat for the second muffler.



Step 6: Exhaust Hanger Removal Pliers

Remove the hangers (circled in **RED**) from the stock mufflers and set them aside.



INSTALLING THE MUFFLER DELETE PIPES

Step 1:

Transfer the hangers (circled in **YELLOW**) to the new pipes as shown.



Step 2:

Slide the provided clamps (arrows) onto the end of the pipes, then slide them over the cut stock exhaust as shown before reinstalling the nuts to secure the hangers to the vehicle. Slide the exhaust tips and clamps onto the ends of the pipes before reinstalling the plastic panel (highlighted in **GREEN**)

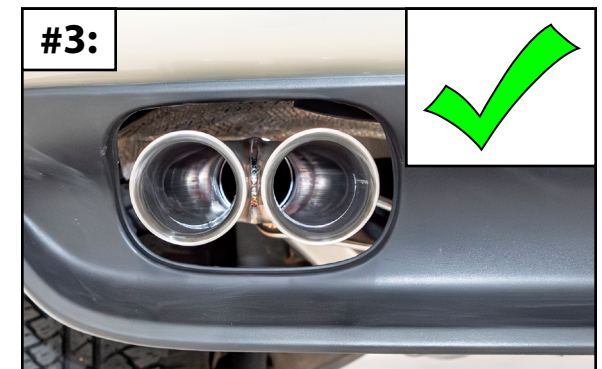
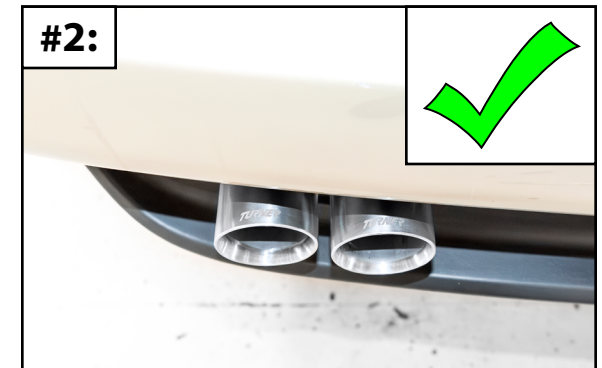


INSTALLING THE MUFFLER DELETE PIPES

Step 5: 15mm Socket & Ratchet

Inspect each muffler delete pipe and ensure that it is sitting level front-to-back as much as possible (**Photo #1 below**). Once level, fully tighten the clamps to secure the delete pipes to the rest of the stock exhaust system. Slide the exhaust tips in our out until your desired depth is achieved then center and level the exhaust tips inside the bumper cutouts (**Photos #3 & #4 below**) before fully tightening the clamps to secure the tips.

Congratulations, your installation is complete!



Your Muffler Delete Kit installation is complete!



These instructions are provided as a courtesy by Turner Motorsport

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