



Active Autowerke Exhaust Down Pipe Set

**Installation Instructions
for the BMW V8 models with Twin Turbos
(Pre 04/2011)**

**E70 X5 5.0i, M
E71 X6 5.0i, M
F01 750i, ALPINA B7
F07 550i
F10 550i
F12 650i**

Thank you for your Active Autowerke purchase. We recommend having a qualified professional perform the installation; however, if you feel capable doing this installation after reading the instructions thoroughly then you may proceed. If you have any additional questions, please feel free to contact Active Autowerke during business hours at 305-233-9300

Tools recommended:

Metric sockets
TORX sockets
Basic hand held tools
A lift

Note: ALL WARRANTIES EXCLUDE DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY INCORRECT INSTALLATION OR INCORRECT / MISUSE OF PARTS

Note: THIS PART IS WARRANTED AGAINST ANY DEFECTS FOR A PERIOD OF 2 YEAR FROM THE DATE OF PURCHASE

Note: This part is designed for high performance use and will void your factory warranty

WARNING:

Please note that this aftermarket exhaust system may not comply with your applicable US (including California) laws and regulations, and may therefore be prohibited for use on highways or roads, or on roads or vehicles otherwise subject to emissions control requirements. California prohibits the use of any aftermarket exhaust system that modifies, removes or replaces original equipment catalyts, unless CARB has issued an Executive Order as to such part or system.

Active Autowerke parts or exhaust systems/components used or intended for use on "racing vehicles" (i.e. a competition vehicle used exclusively for competition on closed-course circuits) do not require an exemption or Executive Order from CARB to be sold in California. However, such parts are prohibited from use on California public highways or roads, even if occasionally used "off-road."

NOTE:

BMW made a CHANGE IN THE DESIGN OF THE EXHAUST DOWNPIPES with the use of bolt-on exhaust flanges on models produced prior to 04/2011. These applicable models are best recognized by the use of hex bolts and nuts that secures the downpipes to the rest of the exhaust systems. One can easily see this distinction if the BMW is elevated. This Active Autowerke performance downpipes is designed for the hex bolt / flange set-up. Please confirm that your model BMW is fitted for this application.

Packing list:

- 1) Active Autowerke N63TT Dpown Pipe Set of (2)
- 2) Four (4) metric bolts
- 3) Four (4) metric copper locking nuts
- 4) Two DP gaskets
- 5) Instructions



Step 1: Engine bay

330x220

Picture of engine bay with Factory down pipe cover installed.



Step 2: Engine Bay cover

Close up view of engine bay cover.



Step 3: Engine bay cover removed

Underside of factory engine bay cover to show snap in plugs.



Step 4: Engine bay cover snaps

Close up view



Step 5: Engine bay cover snaps

Close up view.



Step 6: Engine bay cover snaps

Close up view.



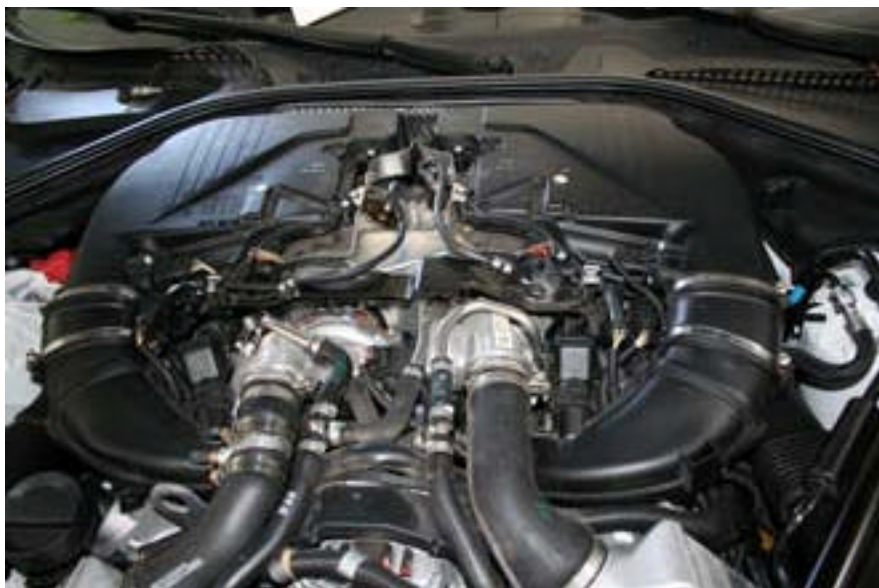
Step 7: Engine bay cover snaps

Close up view



Step 8: Engine bay cover removed

Close up view



Step 9: Mass meter connector

Close up view



Step 10: Mass meter connector

Disconnected



Step 11: Mass meter connector

Disconnected



Step 12: Mass meter boot hose clamps

Close up view



Step 13: Mass meter boot hose clamps

Slacken hose clamps and remove air filter assembly



Step 14: Air filter assembly removed

After the hose clamps released, the air filter assembly can just slide right out .



Step 15: Mass meter connector

Remove passenger side the same way.



Step 16: Front oxygen sensor wire harness routing



Step 17: Front oxygen sensor wire harness routing



Step 18: Air filter assemblies removed

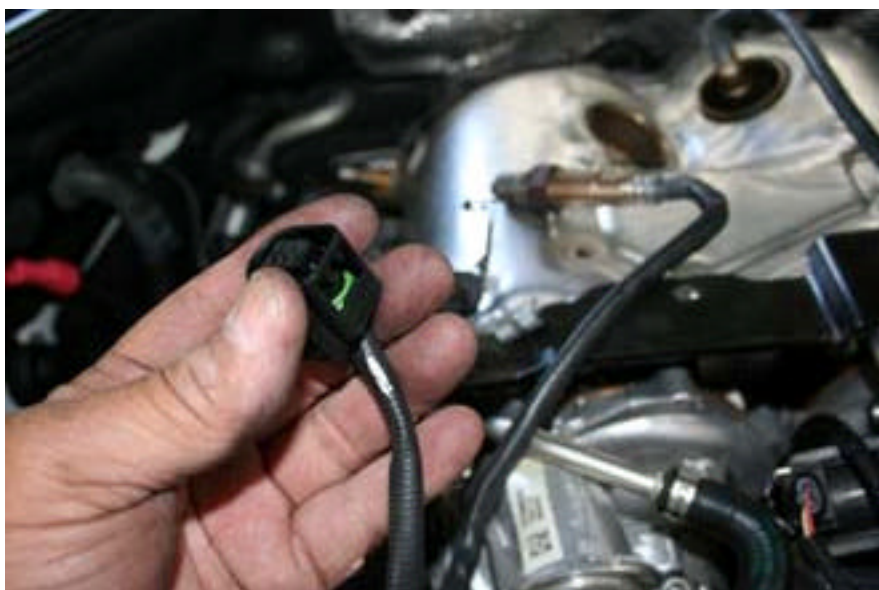


Step 19: Removal of front oxygen sensor



Step 20: Removal of front oxygen sensor

Connector



Step 21: Removal of oxygen sensor cups

Pull out oxygen sensor cups from heat shield.



Step 22: Oxygen sensor removal



Step 23: Bar removal

Remove bar



Step 24: Remove engine bay cover fastener

Remove fastener from engine bar.



Step 25: Remove engine bay cover fastener



Step 26: removal of cowl cover on left side

Locate the left cowl cover as shown in the picture, slide off the soft clip and release the hard clip at the front. Put the cover aside for re-installation later .



Step 27: Partial removal process



Step 28: Partial removal process



Step 29: Removal of engine bar

Locate fasteners and unbolt to remove engine bar.



Step 30: Removal of engine bar

Engine bar removed along with fasteners, Picture set up to show fasteners and their respective locations.



Step 31: Removal of rear oxygen sensor harness

Locate the rear oxygen sensor harness and securing clips. Pull up and remove harness.



Step 32: Removal of rear oxygen sensor harness



Step 33: Removal of rear oxygen sensor harness



Step 34: Removal of rear oxygen sensor harness



Step 35: Removal of rear oxygen sensor harness

Locate oxygen sensor connector and disconnect



Step 36: Removal of rear oxygen sensor harness



Step 37: Removal of rear oxygen sensor harness



Step 38: Removal of rear oxygen sensor harness



Step 39: Picture of current engine bay



Step 40: Removal of rear oxygen sensor harness

Make a note of the oxygen sensor connector location.



Step 41: Removal of rear oxygen sensor harness

Make a note of the oxygen sensor connector location.



Step 42: Removal of oxygen sensor



Step 43: Picture of current engine bay



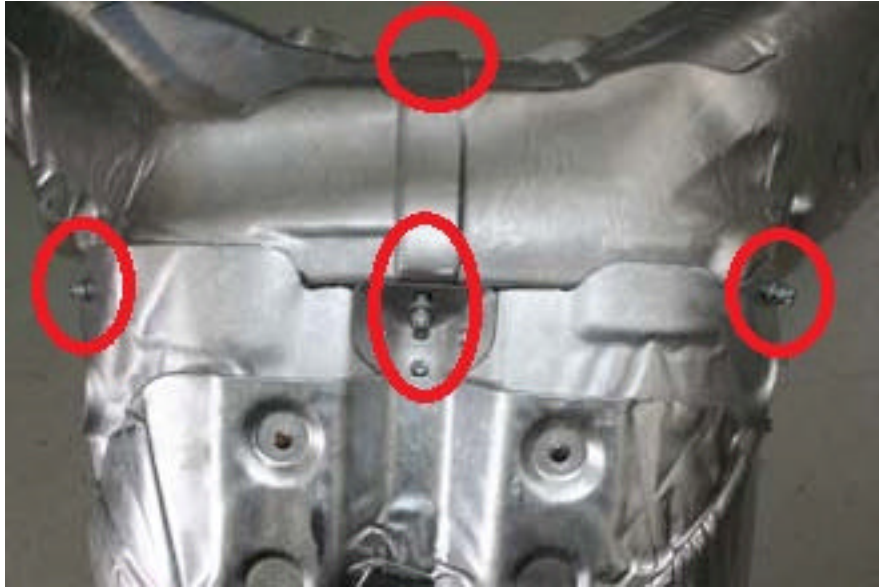
Step 44: Picture of engine bay heat shield

Make a note of the torx screws on the side of the heat shield as well as to the back.



Step 45: Illustration of down pipe heat shield

Heat shield set up along with down pipe heat shields to illustrate location of torx hardware.



Step 46: Removal of center torx hardware for down pipe heat shield

Remove torx



Step 47: Removal of side torx hardware for down pipe heat shield

Remove torx on driver side.



Step 48: Removal of side torx hardware for down pipe heat shield

Remove torx on passenger side.



Step 49: Removal of engine bay heat shield

Locate the two torx screws on each side of the engine bay heat shield.



Step 50: Removal of engine bay heat shield

Remove torx.



Step 51: Removal of engine bay heat shield

Remove rear torx bolt.



Step 52: Removal of engine bay heat shield

Picture taken for illustration.



Step 53: Removal of engine bay heat shield



Step 54: Removal of engine bay heat shield

Engine bay heat shield removed



Step 55: Removal of down pipe heat shield

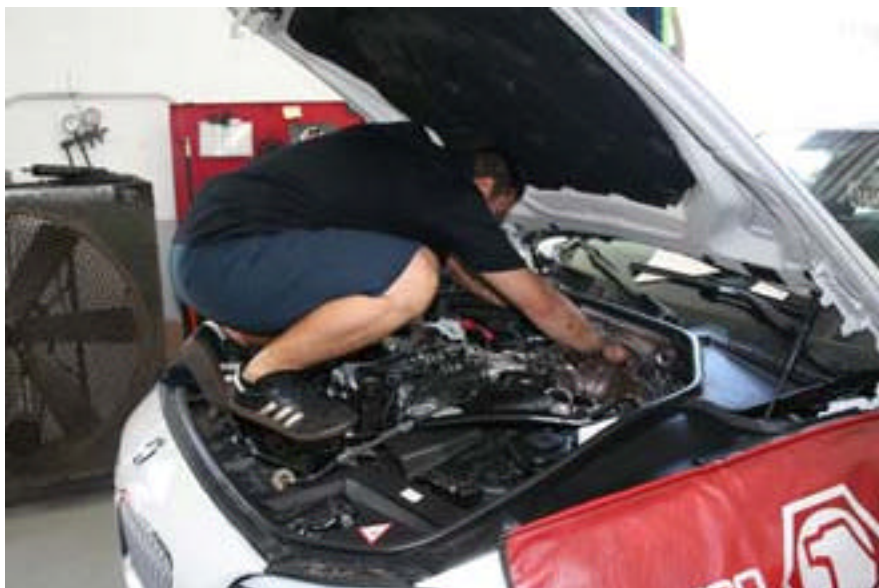
There are two down pipe heat shields. Both heat shields are connected by a nut.

Locate the nut and remove.



Step 56: Removal of down pipe heat shield

The down pipe heat shields fit tightly over the factory down pipes and against the firewall. This is the hardest part of the removal process. It is easier to stand on the engine for more leverage. Watch your step.



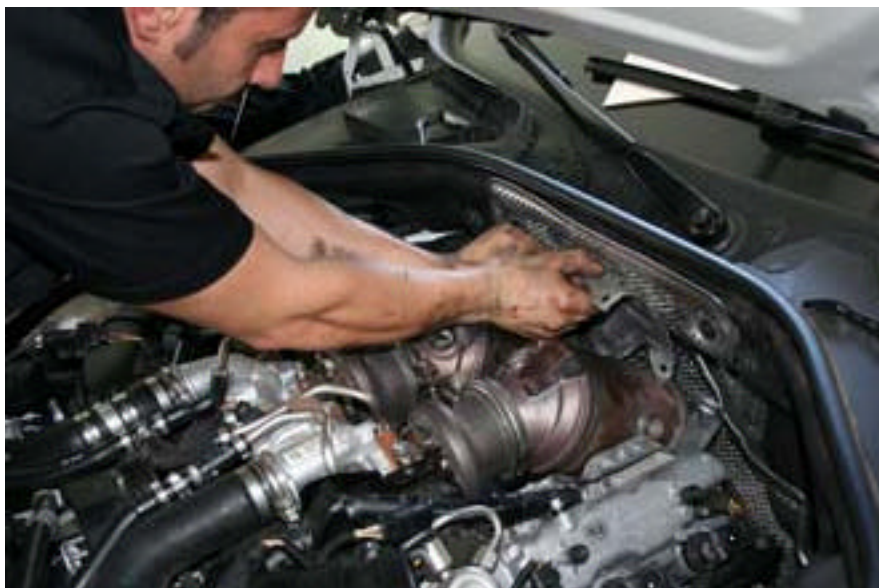
Step 57: Removal of down pipe heat shield

Grab and pull.



Step 58: Removal of down pipe heat shield

Grab and pull again for the other side .



Step 59: Removal of down pipe heat shield

One out, just one more to go.



Step 60: Removal of down pipe heat shield

Second one is out.



Step 61: Removal of down pipe heat shield

Another view.



Step

Step 62: Removal of down pipe heat shield

Both heat shields are out.

NOTE: These heat shields will not be reinstalled with the Active Autowerke Down Pipes. Save your old factory down pipes if needed at a later date.



Step 63: View of engine bay with turbos exposed



Step 64: Release turbo V-BAND clamps to down pipes



Step 65: Removal of turbo down pipes

With the aid of a lift, go underneath and remove the nuts that secures the down pipes to the rest of the exhaust system. The down pipes will pull right up and out of the exhaust.



Step 66: Removal of turbo down pipes

Another view of the nuts that connect the down pipes to the rest of the exhaust. The down pipes have studs and will pull right out.



Step 67: Factory down pipes before removal



Step 68: Removal of factory down pipes

Release and remove V-BAND clamps.
Remove side brace to turbo



Step 69: Removal of factory down pipes

Picture showing turbo side brace removed with hardware

NOTE: The turbo side brace will not be reinstalled with the Active Autowerke Down Pipes.



Step 70: Rear engine support brace

Locate the rear engine support brace at the back of the cyl head. There is one on each cyl head.



Step 71: Rear engine support brace

Close up view of the rear engine support brace.



Step 72: Rear engine support brace

Bolts removed.



Step 73: Removal of turbos

Remove turbos from engine bay.



Step 74: Removal of turbos

Turbos pull right out. Notice that the studs come out with the turbos.



Step 75: Removal of turbos

Both turbos removed.



Step 76: Reinstall the Active Autowerke Down Pipes

- Locate the RIGHT Active Autowerke Down Pipe and install the gasket that came with the kit around the base of the DP flange. Route down and through the firewall.
- Install the LEFT side afterwards.
- Attach the V-BAND clamps snug, but do not tighten at this time.
- Make sure that down pipe flanges are aligned with the rest of the exhaust system. Verify with the use of the lift.
- Using the bolts and nuts supplied, install to down pipe flanges and secure.
- Reinstall the components that were removed.
NOTE those that will not be reinstalled.
Use the STEPS 75-1 in reverse order for the reinstallation.

- Once parts are reinstalled, a "**CHECK ENG**" light will come on in the instrument cluster. Call Active Autowerke Engineering for this OPTIONAL Software upgrade feature.

This concludes the installation.

If you have any questions, please call during business hours

Monday to Friday 9AM to 6 PM eastern standard time

305-233-9300

