



## Installation Instructions

**ARK Exhaust System**

**DT-S Cat-Back**

(SM0301-0010D, 0020D)

for

**BMW 135i (3.0L I6 Turbo N54B30/N55B30)**

[www.arkperformanceusa.com](http://www.arkperformanceusa.com)

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**Congratulations on purchasing an ARK Performance premium exhaust system!** Please read and understand the installation instructions before beginning work on the installation of your new ARK Performance exhaust system. If you do not fully understand the instructions, please give us a call at 909-947-1275 or email us at [info@ARKPerformanceusa.com](mailto:info@ARKPerformanceusa.com)

We recommend that this exhaust system be **installed by someone qualified for this work or by a certified mechanic** with access to the appropriate hand or power tools. It is also recommended that a lift or hoist be used during the installation. By installing this ARK Performance exhaust system, you indicate that you have read the installation instructions and you agree with the terms and conditions stated.

It is your responsibility to **follow the installation instructions provided** for this ARK Performance exhaust system and exercise all necessary safety precautions. ARK Performance assumes no responsibility for damages occurring from improper installation, operation, maintenance, or from incompatibility with other manufacturer's products.

### **Important Information:**

#### **Exclusion of Certain Liability**

1. The manufacturer, importer, and dealer of ARK Performance products hold no responsibility for any incidental damage such as personal injury or any other damages due to improper installation or operation of an ARK Performance exhaust system. When installing an ARK Performance exhaust system, make sure the exhaust system does not touch other parts of the vehicle that are sensitive to high temperature.
2. ARK Performance will not warranty any damages caused by improper installation, use, and maintenance of the ARK Performance exhaust system. The warranty is limited to defects that are recognized by our technical department, this excludes items subject to normal wear such as the flange gaskets. This warranty is void in the case of an accident, modification, improper use, or competition use.
3. Do not install any ARK Performance exhaust system on a vehicle model for which it was not intended for.
4. The exhaust system will be very hot during and immediately after operation of the vehicle, please be careful not to burn yourself on the exhaust system or parts which are in direct contact with it. Also please protect other people, especially children, from any injuries due to the hot exhaust system.
5. Technical specifications of ARK Performance exhaust systems and related products are subject to change without notice.
6. Before removing the original exhaust system from your vehicle, please compare the parts that you received with the list of materials provided in the installation instructions. If anything is missing, contact ARK Performance before beginning installation.
7. The instructions for installation should serve as a guideline only, actual installation of the exhaust system may not correspond with the pictures entirely.
8. The process of uninstalling the original exhaust system may vary depending on the existing exhaust system so please follow the original exhaust system manufacturer's instructions for removal.

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#### **ARK Performance website**

Information about ARK Performance exhaust systems and related products is available on the ARK Performance website at: <http://www.arkperformanceusa.com/>

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## Contents

- Front Pipes— 2
- X-Pipe—1
- Rear Section Muffler—1
- Flange Gasket—full set
- Bolts & Nuts—full set

## Tools Required

- Socket Wrench/Wrench:
  - 12 mm
  - 13 mm
  - 14 mm
  - 16 mm
  - 17 mm
  - 18 mm
- Socket Wrench Extension
- Vice Grip
- Torx T50 Bit
- Flat Head
- Lubricant (WD-40)

## Warning

- Before removing the original exhaust system, be sure to give sufficient time for the exhaust piping and surrounding parts to cool down. They can be extremely hot!
- If any items in the package are missing please contact your authorized dealer before installation.
- We advise you to have an experienced person or certified mechanic install the exhaust system.
- Loosely fasten all nuts and bolts until everything is installed, then tighten them down to the proper torque specs as you align the exhaust system.
- These instructions are specific for the 2008-2013 BMW 135i (3.0L I6 N54B30/N55B30). However, please be sure to specify the exact year when purchasing the exhaust system.

## Removal of OEM exhaust system



1. Unbolt the front pipes from the OEM catalytic converter using a 12 mm socket wrench (Figure 1)



3. Unbolt the 4 bolts on the brace using a Torx T50 bit (Figure 3)



2. Using a 13 mm socket wrench and a pair of vice grips, remove both bolts/bushings and remove the brace (Figure 2)



4. Unbolt the two arms of the brace using an 18 mm socket wrench (Figure 4)

## Removal of OEM exhaust system



FIGURE 5

5. Unbolt the resonator from the muffler pipe using a 14 mm socket wrench, the spring loaded bolts will be reused System (Figure 5)

6. Spray the rubber insulator and metal hanger with a lubricant and remove the muffler pipe from the insulator (Figure 5)



FIGURE 6

7. Remove the cold start muffler actuator with a flat head screw driver and move it out of the way (Figure 6)

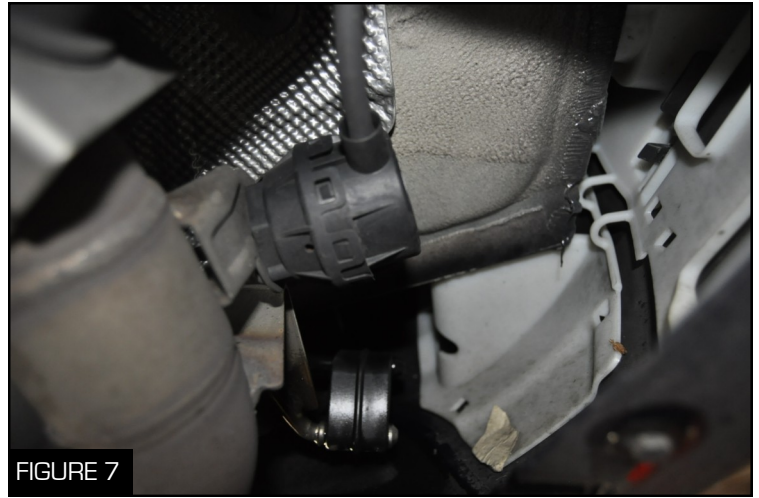


FIGURE 7

8. Spray the rubber insulator and metal hanger on the drivers side of the muffler with a lubricant and remove the muffler from the insulator (Figure 7).



FIGURE 8

9. Spray the rubber insulator on the passenger side of the muffler with a lubricant and remove the muffler from the vehicle (Figure 8)

## Removal of OEM exhaust system



FIGURE 9

10. This is how the back section will look after removing the muffler (Figure 9)



FIGURE 10

11. It is highly recommended to zip tie the cold start muffler actuator to the vehicle for safety (Figure 10)

## Installation of ARK Performance DT-S exhaust system



FIGURE 11

1. Bolt the front pipes to the OEM catalytic converter using the OEM gasket and nuts, be sure that the longer pipe is on the passenger side (Figure 11)



FIGURE 13

3. Now put the cross brace back on and bolt it down using the Torx T50 bit (Figure 13).



FIGURE 12

2. Attach the X-Pipe to the front pipes with the supplied gaskets, nuts, and bolts using both 16 and 17 mm socket wrenches (Figure 12).



FIGURE 14

4. Bolt both arms on the brace using an 18 mm socket wrench (Figure 14)

## Installation of ARK Performance DT-S exhaust system

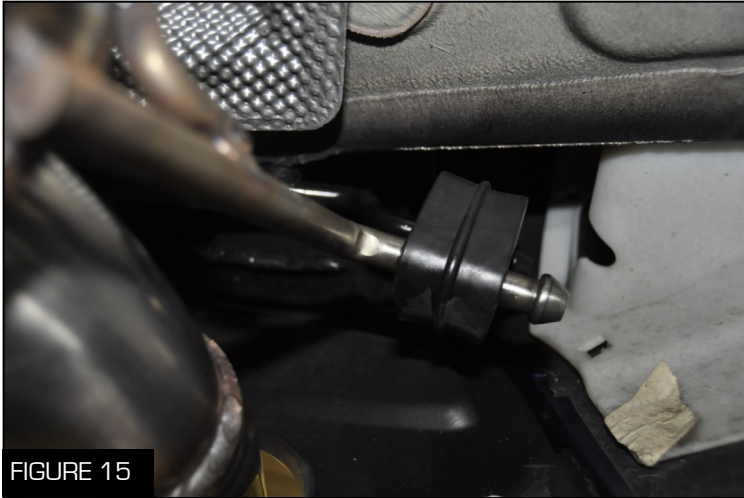


FIGURE 15

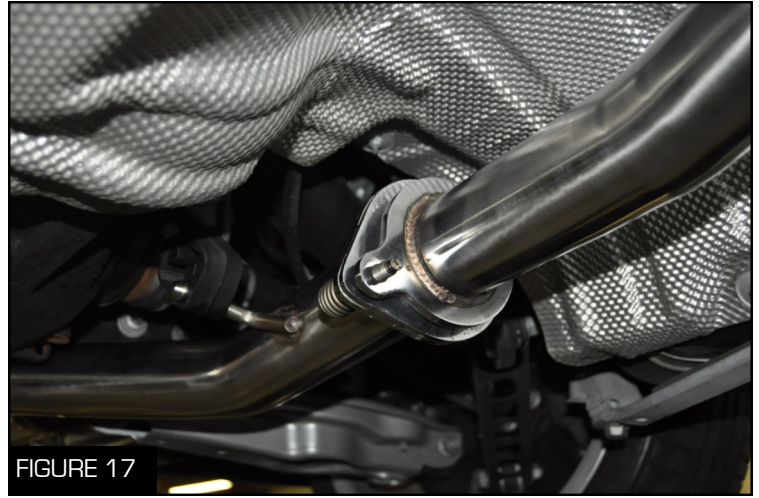


FIGURE 17

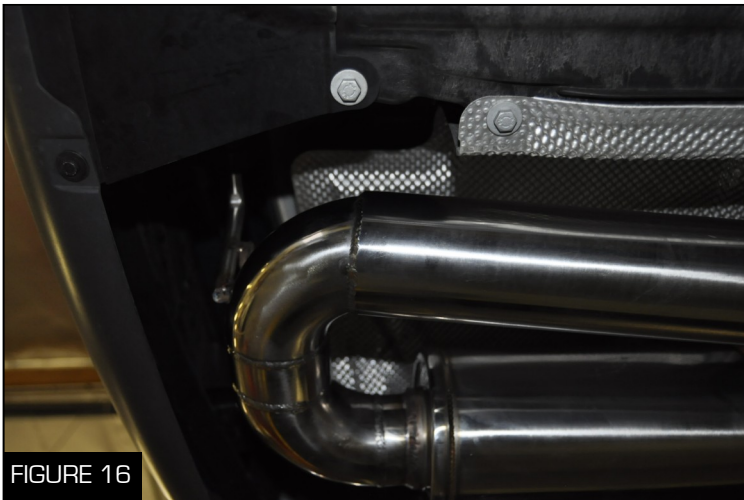


FIGURE 16

5. Spray both rear rubber insulators and metal hangers for the muffer with a lubricant and slide the hangers into the insulators (Figures 15/16)

6. Spray the third rubber insulator and metal hanger for the muffer with a lubricant and slide the hanger into the insulator (Figure 17)

7. Bolt the muffer pipe to the X-pipe with the supplied donut gasket and the OEM spring loaded bolt using a 14 mm socket wrench (Figure 17).



FIGURE 18

8. Align the tip and muffer and tighten down all of the bolts and nuts to the proper torque specs (Figure 18)





## First Operation

Before starting the vehicle, be sure that no part of the exhaust system is touching a heat sensitive area or an area that will cause a rattle and vibration.

It is normal to have white smoke come from the exhaust system upon first start up and operation.

Be sure to check that there are no exhaust leaks, this can be done by revving the motor in neutral to 2,000-2,500 rpm and listen to the piping for any leaks.

## Maintenance

Please do not use any acidic chemicals or abrasive materials when cleaning your ARK Performance exhaust system.

We recommended that you **ONLY** use water and/or automotive soap when cleaning either the Burnt or Tecno tips.

It is recommended to check the nuts and bolts periodically to make sure they have not come loose, re-tighten them if necessary.

