



## Installation Instructions

**ARK Exhaust System**

**GRiP Cat-Back with optional Test Pipe**

(SM1302-0110G, 0210G, 0310G; TP1302-0010)

for

**Subaru WRX/STI Sedan (2.5L H4 Turbo EJ25)**

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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.

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.

#### **Trademarks**

The ARK Performance logo is a registered trademark of ARK Performance Inc. USA.

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## Contents

- Rear Section Muffler— 2
- Y-Pipe—1
- Resonator Pipe—1
- Flange Gasket—full set
- Bolts & Nuts—full set
- **Optional Parts (TP1302-0010):**
  - Test Pipe—1
  - Flange Gaskets—full set
  - Bolts & Nuts—full set

## Tools Required

- Socket Wrench/Wrench:
  - 12 mm
  - 14 mm
  - 16 mm (5/8 in)
  - 17 mm
- Socket Wrench Extension
- 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 to the 2011+ Subaru WRX/STI Sedan (2.5L H4 Turbo EJ25). However, please be sure to specify the exact year and model when purchasing the exhaust system.

# Installation of ARK Performance GRiP exhaust system



FIGURE 1

1. Spray the rubber insulator and metal hanger on the resonator pipe with a lubricant (Figure 1)

2. Attach the resonator pipe to the rubber insulator (Figure 1)



FIGURE 2

3. Bolt the resonator pipe to the OEM catalytic converter pipe (or test pipe) with the OEM donut gasket, nuts, and spring loaded bolts using both 12 and 14 mm socket wrenches (Figure 2)



FIGURE 3

4. Bolt the resonator pipe to the Y-Pipe with the supplied gasket, nuts, and bolts using both 16 and 17 mm socket wrenches (Figure 3)



FIGURE 4

5. Spray the rubber insulator and metal hanger on the driver side muffler with a lubricant (Figure 4)

6. Slide the metal hanger into the rubber insulator, it is also recommended to put a towel between the tips and the bumper to prevent scratches (Figure 4)

## Installation of ARK Performance GRiP exhaust system



FIGURE 5

7. Spray the rubber insulator and metal hanger on the passenger side muffler with a lubricant (Figure 5)

8. Slide the metal hanger into the rubber insulator, it is also recommended to put a towel between the tips and the bumper to prevent scratches (Figure 4)



FIGURE 6

9. Bolt the two mufflers to the Y-Pipe with the supplied gaskets, nuts, and bolts using both 16 and 17 mm socket wrenches (Figure 6)



FIGURE 7

10. It is recommended that someone hold the tips and mufflers in the proper position while someone else tightens down all of the nuts and bolts to the proper torque specs (Figure 7)

## 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.

