



## 2016+ FORD FOCUS RS SWITCHPATH™ EXHAUST INSTALLATION GUIDE

Thank you for purchasing the AWE SwitchPath™ Exhaust System for the 2016+ Ford Focus RS 2.3T.

# PARTS LIST



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

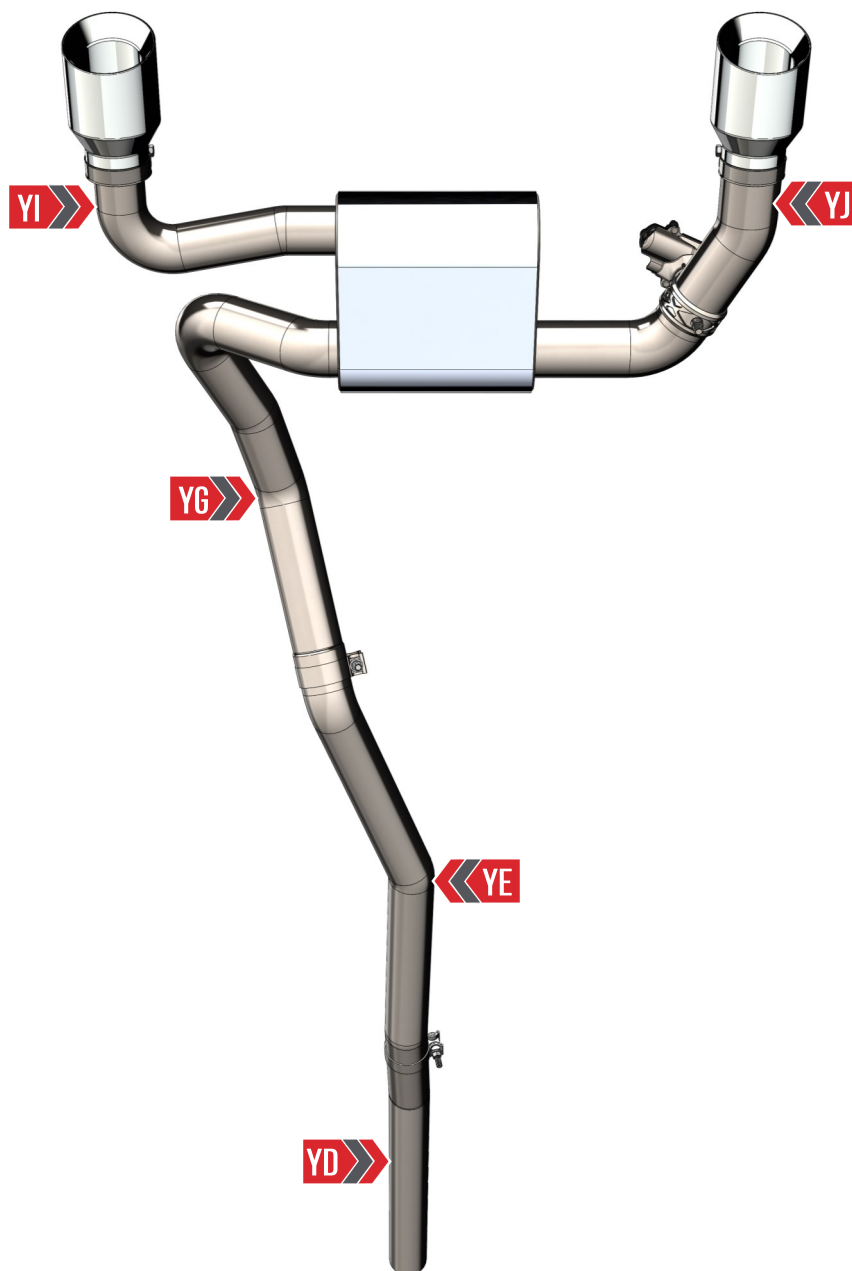
## SWITCHPATH™ EXHAUST PARTS

- 1 Non-resonated front section (part YD)
- 1 Mid pipe (part YE)
- 1 Over-axle pipe (part YG)
- 1 SwitchPath™ Muffler (part YH)
- 1 Driver tailpipe (part YI)
- 1 Passenger valved tailpipe (part YJ)

- 2 4.0" Tips (*optional finish*)
- 1 2.50" Accu-Seal clamp
- 5 3.00" Accu-Seal clamps
- 2 3.12" T-bolt clamps
- 1 Electronic valve control extension harness

### Optional:

- 1 SwitchPath™ Remote Installation Kit



## STEP 1



The factory exhaust must be **CUT** from the car to install the AWE Performance Exhaust System. Reinstalling the factory exhaust will require the use of a sleeve clamp.



Always refer to the manufacturer service manual for precise torque specifications on all OEM fasteners.

With engine off, unplug the wiring harnesses from the valve actuation motor, shown at the arrow in **Figure 1**.



**NOTE:** If the factory controller will be operating the exhaust valve on the AWE SwitchPath™ system; it will be necessary to swap the factory motor onto the new exhaust system, as shown in **Figure 1**.

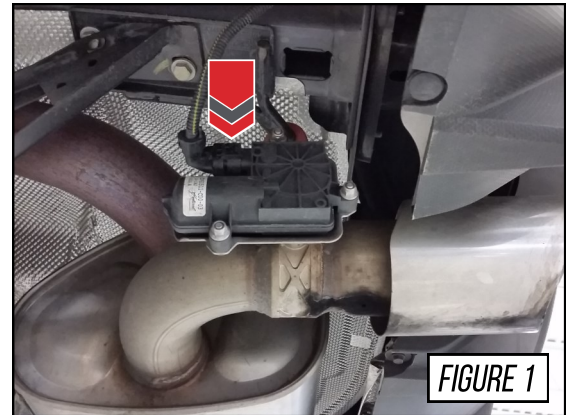


FIGURE 1

## STEP 2

To remove the factory exhaust, locate the bend as shown by the arrow in **Figure 2-1**.

Measure 2" up from the point shown by the arrow in **Figure 2-2**; the arrow marks the end of the bend. Using masking tape can be a helpful aid in make a straight cut with a metal cutting saw.

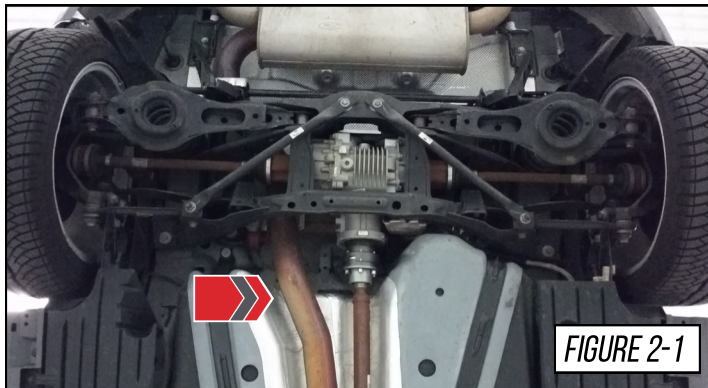


FIGURE 2-1



FIGURE 2-2

## STEP 3

Remove the rear section from the car. Support the rear muffler assembly so the hanger bushings can be removed from the posts.

Pull the bushing away from the post, shown by the arrow in **Figure 3**.

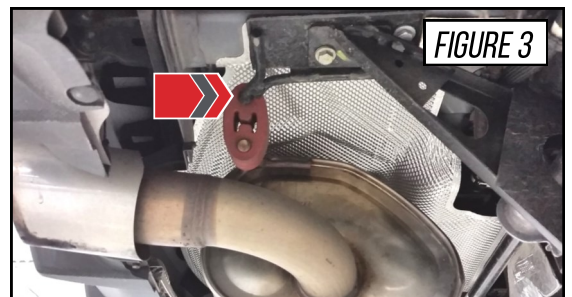


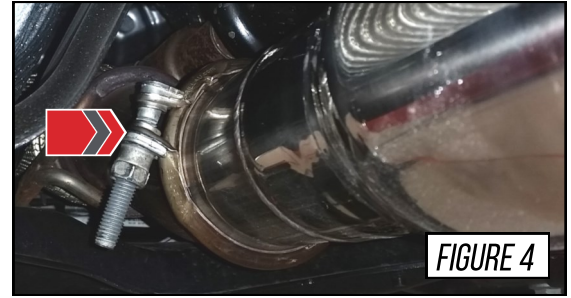
FIGURE 3

## STEP 4

Loosen the factory V-band clamp so the remainder of the exhaust can be removed.

Transfer the factory V-band to the non-resonated front section (part **YD**), and install as shown by the arrow in **Figure 4**.

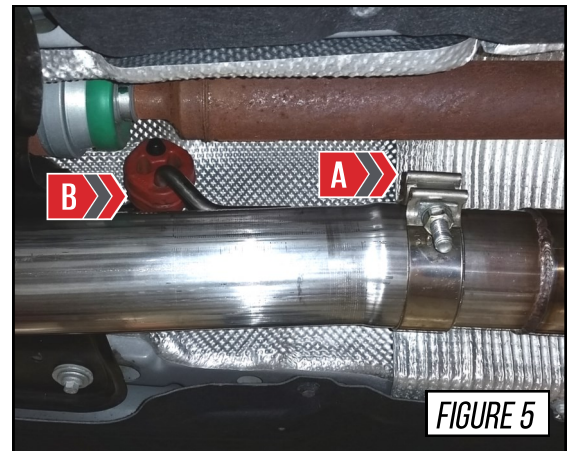
Do not torque the factory V-band clamp until **Step 10**.



## STEP 5

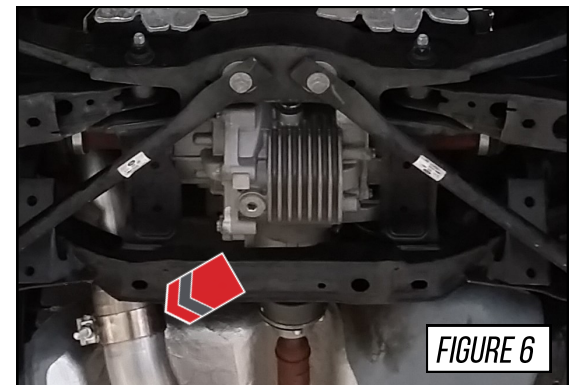
Install the mid pipe section (part **YE**) over the front mid pipe outlet using one of the included 3.0" Accu-Seal clamps. Orient the clamp away from both the heat shielding and driveshaft, as shown by **Arrow A** in **Figure 5**.

Fully seat the mid pipe onto the resonated front pipe. The exhaust hanger bushing should be slightly forward in-vehicle when the hanger is installed correctly, as shown by **Arrow B** in **Figure 5**.



## STEP 6

Install the over-axle tube (part **YG**) using one of the included 3" Accu-Seal clamps. Orient the clamp away from the heat shielding, as shown by the arrow in **Figure 6**.



## STEP 7



Remove the bushings from the hangers on the car and preinstall them onto the SwitchPath™ muffler section to make installation easier.

Install the SwitchPath™ muffler (part **YH**) with a 3" Accu-Seal Clamp. Fully seat the pipe and insert each hanger into the appropriate hanger bushing. Each hanger bushing should be slightly forward in-car, as shown by the arrow in **Figure 7**.

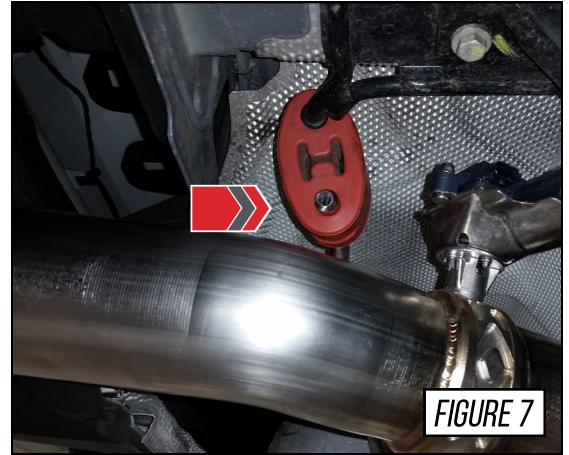


FIGURE 7

## STEP 8

Install the driver side tailpipe (part **YI**) onto the SwitchPath™ muffler outlet using the included 2.25" Accu-Seal clamp, as shown **Arrow A** in **Figure 8**.

Install the passenger side valved tailpipe (part **YJ**) onto the SwitchPath™ muffler outlet using the included 3.00" Accu-Seal clamp, as shown **Arrow B** in **Figure 8**.

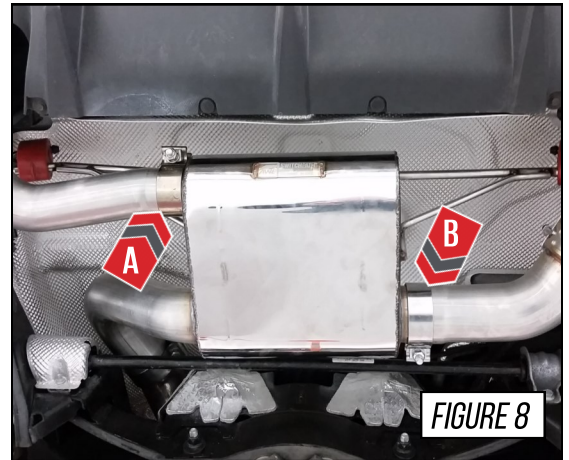


FIGURE 8

## STEP 9

It is crucial to install each section and Accu-Seal clamp correctly to prevent loose joints and exhaust leaks between the tubing connections.

**Arrow A** in **Figure 9** shows the expanded pipe and the preinstalled Accu-Seal clamp being brought up to the corresponding pipe.

**Arrow B** in **Figure 9** shows the overlapping pipe installed correctly over the corresponding pipe.

**Arrow C** in **Figure 9** shows the Accu-Seal clamp being brought to the edge of the expanded pipe.



### NOTES:

- Do not torque any Accu-Seal clamp until the entire exhaust has been installed and adjusted.
- Torque specification is a minimum of 40 ft/lbs.

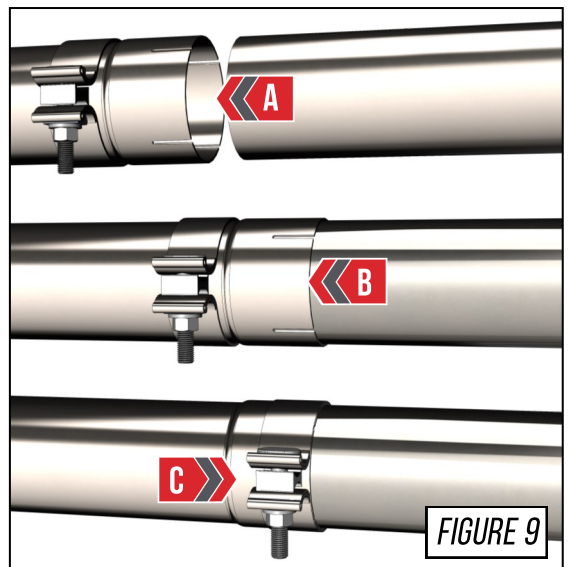


FIGURE 9

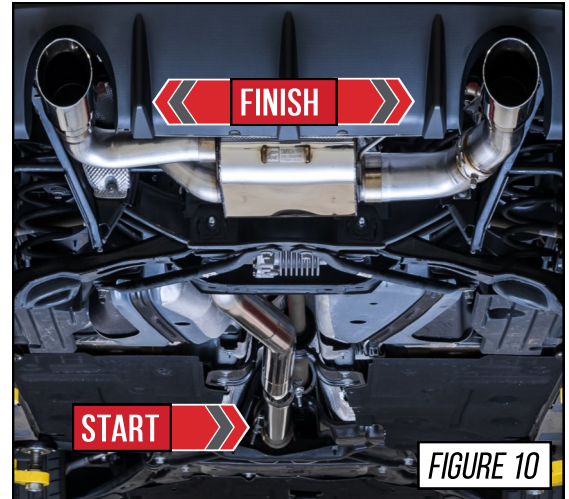
## STEP 10

Install each exhaust tip with the included T-bolt clamps, but do not torque until the exhaust system has been fully adjusted and tip placement is satisfactory.

With the entire exhaust system aligned, and each clamp positioned away from the chassis to avoid any rattles, tighten and check all hardware to complete the installation. **Figure 10** shows where to start and finish.

Torque the V-band clamp to the factory specification.

Torque the Accu-Seal clamps to a minimum of 40 ft./lbs.

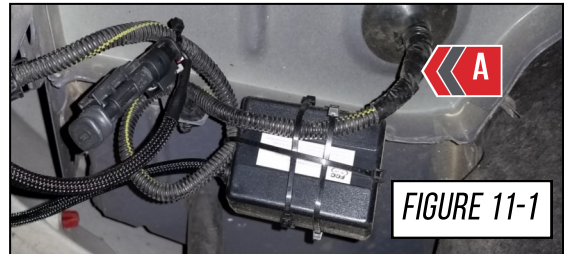


## STEP 11

This step applies to both the SwitchPath™ Remote kit and the extension harness.

Locate the factory harness from the valve control motor, as shown by **Arrow A** in **Figure 11-1**.

Connect the female end of the supplied AWE Extension Harness or SwitchPath™ control box harness, shown by **Arrow B** in **Figure 11-2**, to the male end of the factory harness.

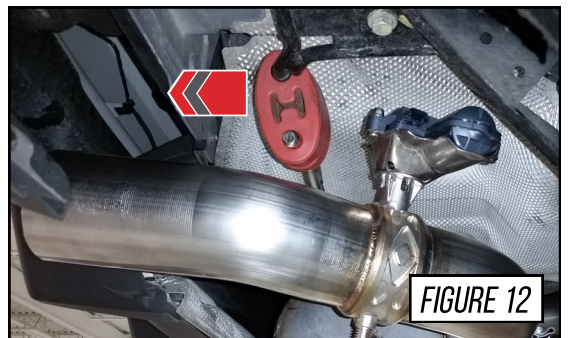


**NOTE:** If upgrading to the AWE SwitchPath™ controller, please install the motor that was originally supplied with the exhaust.

## STEP 12

Route the new AWE Harness Extension or the optional SwitchPath™ control box harness up and behind the heat shielding in the rear bumper skin area, as shown by the arrow in **Figure 12**.

Plug into the new valve located on the passenger side tailpipe.



If the SwitchPath™ control box has been installed, turn the vehicle on without starting the car and cycle the valve to “On” & “Off” to ensure proper operation.

# 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.

Periodic cleaning of exhaust tips is necessary to maintain proper finish, especially in areas prone to road salt and caustic deicing solutions. Use a mild soap and water solution or car wax to clean the finish. Avoid using metal polishes, as they can scratch the finish.

# 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.