



## EXHAUST INSTALLATION GUIDE: 2016+ FORD FOCUS RS

Thank you for purchasing the **AWE SwitchPath™ Exhaust System** for the **2016+ Ford Focus RS 2.3T**. For up-to-the-minute fitment information, be sure to visit the Ford Focus section of the [AWE website](#).

As always, AWE Performance Specialists are standing by for any questions, at 215-658-1670, or email us [here](#).

Let's go!

# PARTS LIST



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

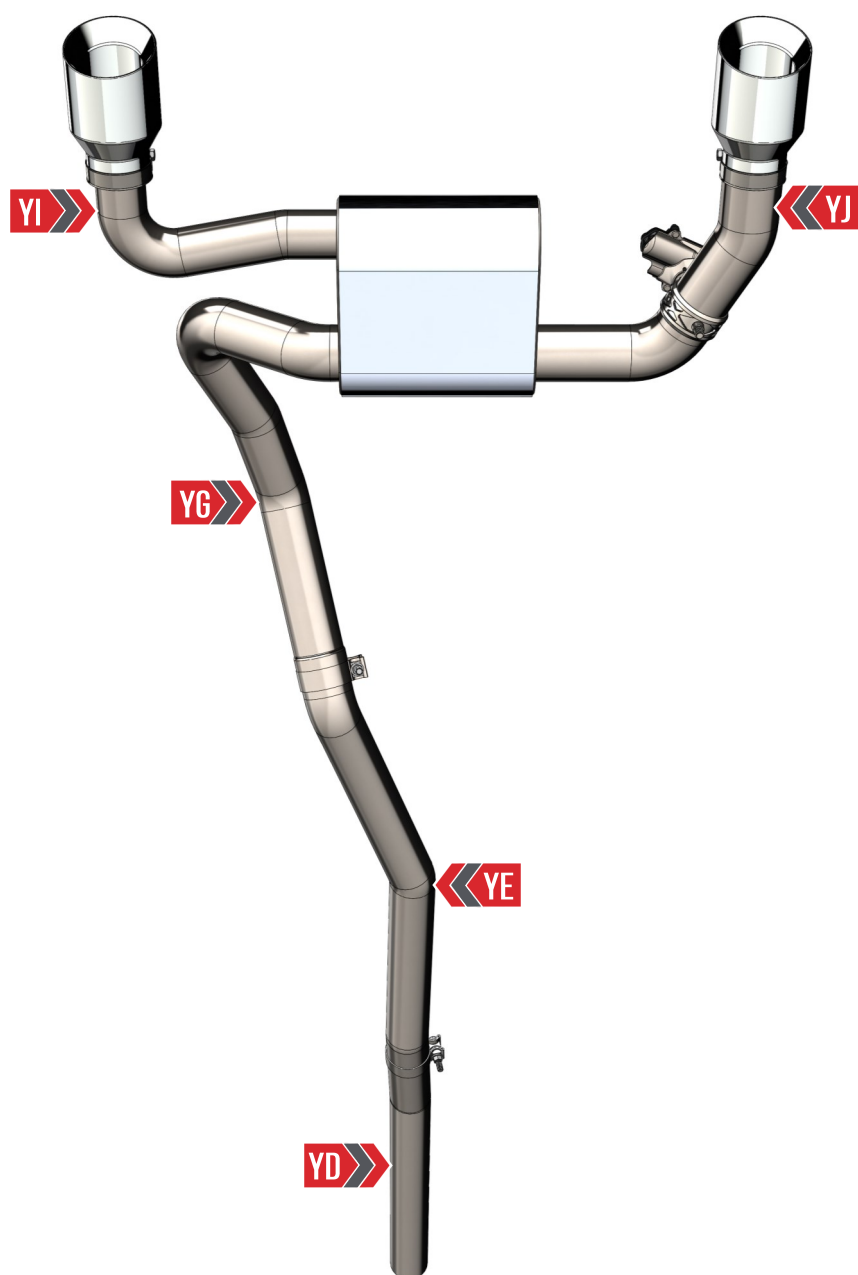
## **SwitchPath™ Exhaust parts:**

- 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 4.5" Tips (*optional finish*)
- 1 2.5" Accu-Seal clamp
- 5 3.0" Accu-Seal clamps
- 2 3.12" Tip 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 that is *not* included.



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**.

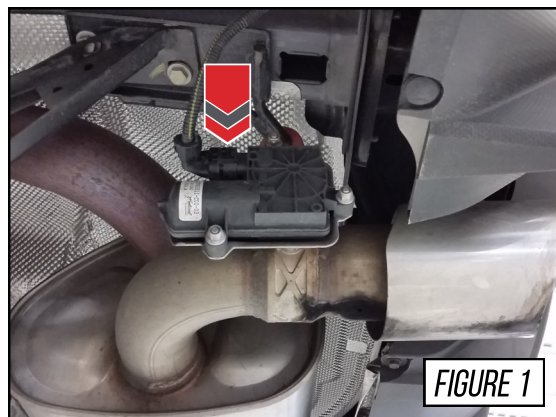


FIGURE 1

## STEP 2



**WARNING:** If floor jacks are being used, instead of a lift, it may be difficult to remove and/or install the components that go through the rear axle area. **DO NOT** exceed the limitations of floor jacks and jack stands.

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.

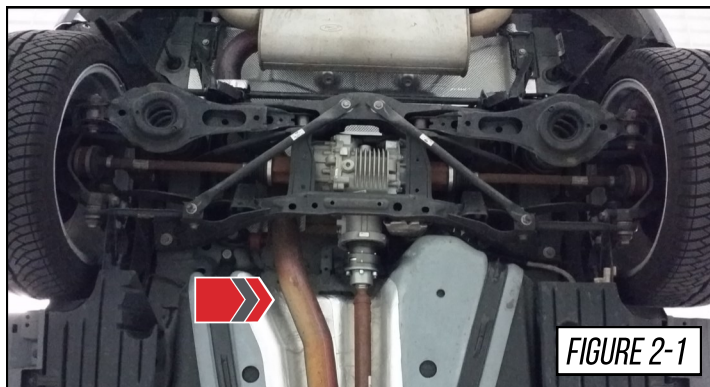


FIGURE 2-1



FIGURE 2-2

## STEP 3

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**.

Remove the rear section from the car.

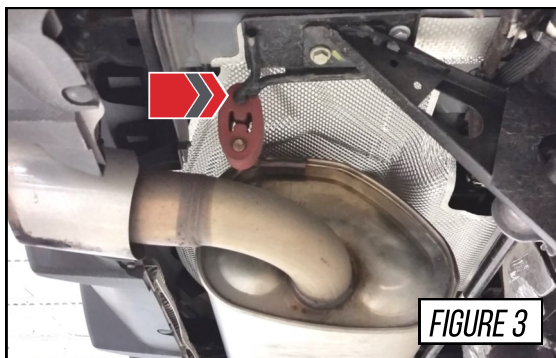


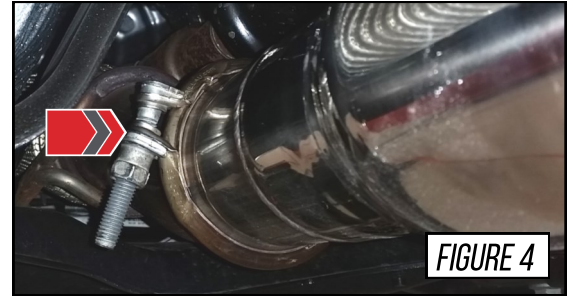
FIGURE 3

## 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**.

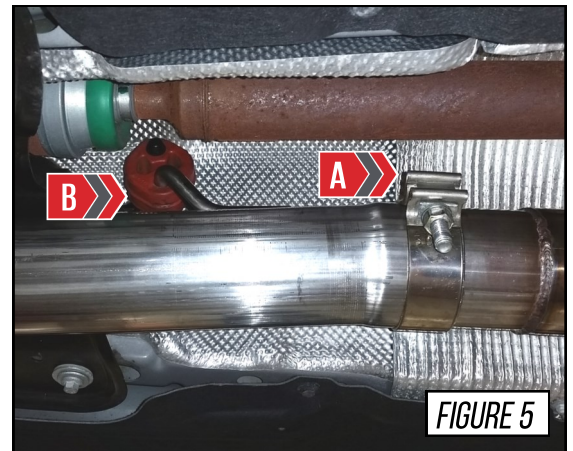
Do not torque the factory V-band clamp until *Step 10*.



## STEP 5

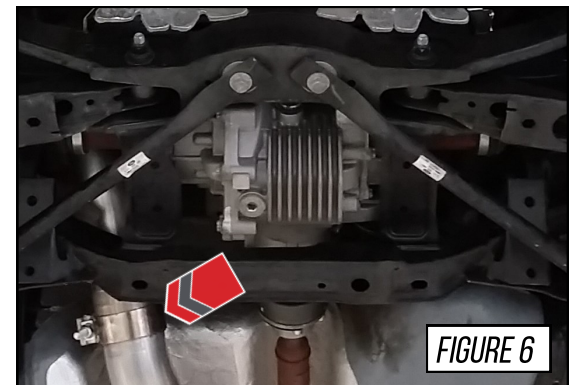
Install the mid pipe section (part **YE**) over the front mid pipe outlet using one of the included 3.0" Accu-Seal clamps. Orient the clamp away from both the heat shielding and driveshaft, as shown by **Arrow A** in **Figure 5**.

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 3.0" 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 3.0" 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**.

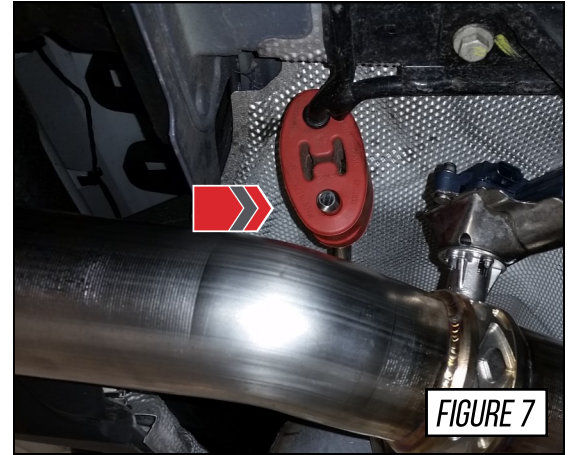


FIGURE 7

## 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 3.0" Accu-Seal clamp, as shown **Arrow B** in **Figure 8**.

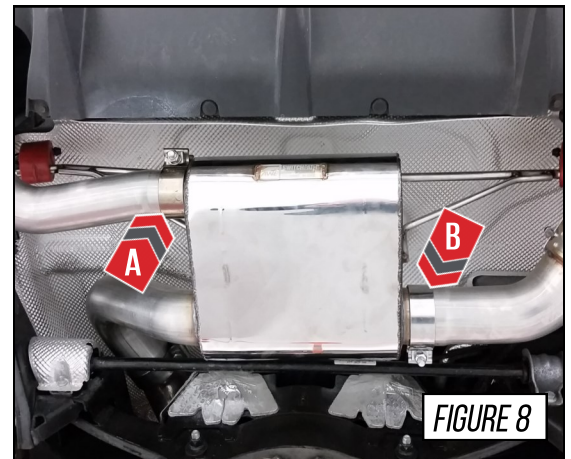


FIGURE 8

## 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.

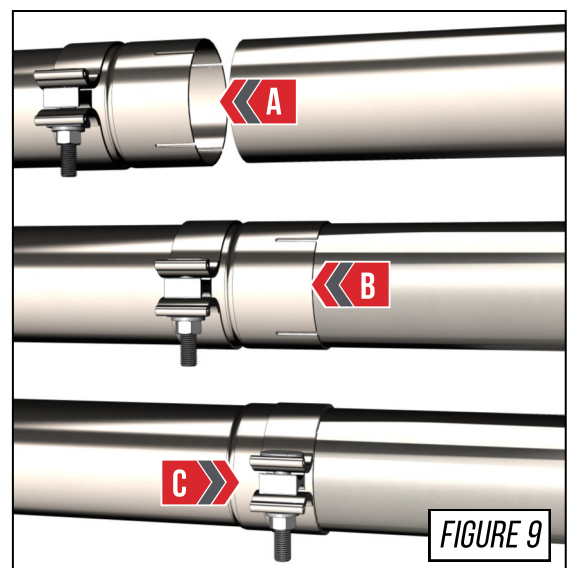


FIGURE 9

## STEP 10

To accomplish the best tip fitment, align the 3.0" tip clamp to cover *only* the slot, as shown by **Arrow A** in **Figure 10**.

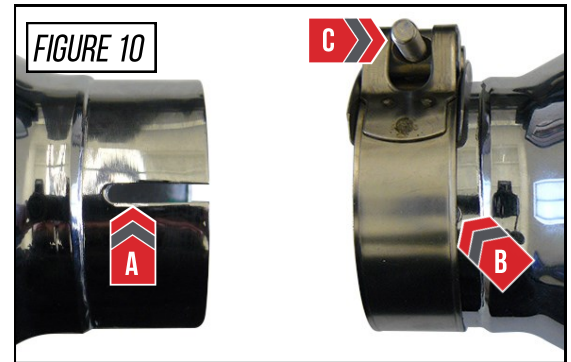
The clamp should only be covering the section of the tip that has been slotted, as shown by **Arrow B** in **Figure 10**.

Torque the tip clamp to a minimum of 18 ft./lbs.



### NOTES:

- It is required to apply anti-seize to the threads to prevent the clamps from breaking, shown by **Arrow C** in **Figure 10**.
- It is okay to have the clamp extend beyond the edge of the tip inlet.



## STEP 11

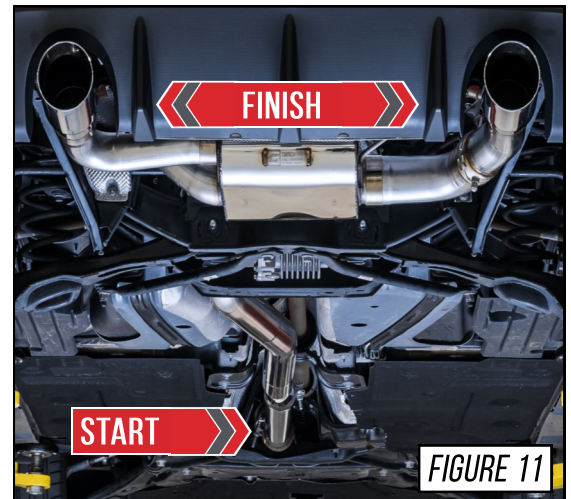
Install each exhaust tip with an included tip clamp, but do not torque until the exhaust system has been fully adjusted and tip placement is satisfactory.

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 11** 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 12

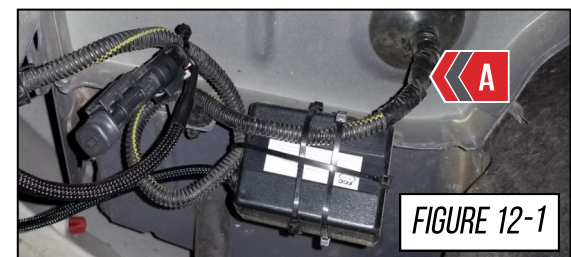
This step applies to both the SwitchPath™ Remote kit and the extension harness.

Locate the factory harness from the valve control motor, as shown by **Arrow A** in **Figure 12-1**.

Connect the female end of the supplied AWE Extension Harness or SwitchPath™ control box harness, shown by **Arrow B** in **Figure 12-2**, 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 13

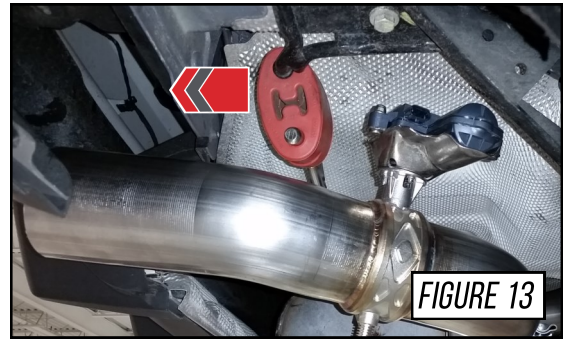
Route the new AWE Harness Extension or the optional SwitchPath™ control box harness up and behind the heat shielding in the rear bumper skin area, as shown by the arrow in **Figure 13**.

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



**NOTE:** 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.

***Installation is complete!***



# ENJOY!



## CARE

Once installed properly, your 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.

Any questions or comments,  
please do not hesitate to contact us:

### AWE

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[www.awe-tuning.com/support](http://www.awe-tuning.com/support)

## WARRANTY

Up-to-date warranty information is found [HERE](#).