



# Sportster 2-into-1 SS2-R Race Exhaust System Part #16511

Congratulations, you have purchased the finest exhaust system available for your motorcycle. Your VANCE & HINES exhaust system is designed and crafted for maximum performance, a perfect fit, a great sound and unbeatable style! Please follow the installation instructions below and if you have any questions, feel free to call our technical help line (562) 926-5291.

**Important Note:** *This is a racing exhaust system designed to be used with "rearset" foot pegs. There maybe clearance problems with the stock foot pegs and the rear brake master cylinder when installed on a stock motorcycle.*

## REMOVING THE STOCK EXHAUST SYSTEM

1. Loosen the heat shield clamps on both front and rear exhaust pipes.
2. Remove the two mounting nuts from each head pipe, located at the cylinder head.
3. Remove the nut that mounts the front muffler to the engine, located below the rear brake pedal.
4. Remove the bolt that mounts the rear muffler to the mounting bar.
5. Remove the entire exhaust system and set it aside.
6. Carefully remove the flanges and circlips from the stock exhaust system using snapping pliers.

**Note:** If circlips look bent or twisted replace them with new circlips.

## INSTALLING YOUR NEW VANCE & HINES EXHAUST SYSTEM

1. Remove the acorn nut that mounts the top of the right rear shock to the frame.
2. Install the large angle cut end of the new mounting bar to the shock bolt (with the shock in place). Replace the acorn nut but leave it loose at this time. **Note:** Check the clearance between the mounting bar and the shock. Space the mounting bar out with a washer (not supplied) if needed.
3. Install the circlips and flanges from the stock system onto both of the new head pipes.
4. Check the stock exhaust gaskets to be sure they are in good shape. If you have any doubts as to their condition, replace them.
5. Install new header using the stock nuts and tighten them evenly.
6. Slide the tailpipe of the new exhaust system over the collector of the front header.
7. Install two of the exhaust springs (supplied) between the collector and the tailpipe using the spring puller tool (supplied).
8. Slip the silencer over the tailpipe while aligning the hole in the mounting bar with the hole on the top of the muffler, with the muffler positioned to the outside of the mounting bar.
9. Install the bolt, washers and lock nut (all supplied) through the muffler and mounting bar.
10. Install the two exhaust springs over the tabs on the muffler and tailpipe using the spring puller tool.
11. Tighten the acorn nut on the top of the right rear shock.
12. **Be sure to tighten all hardware before starting your motorcycle.**
13. **Important: Check to be sure that there is adequate clearance between the head pipe and the rear**

**brake reservoir banjo bolt. Adjust the head pipe and or mounting hardware to gain maximum clearance.**

### **RE-JETTING INSTRUCTIONS**

Re-jetting the carburetor will result in realizing the "full" potential of this performance exhaust system. Vance & Hines offers jet kits for most applications.

### **PLEASE NOTE:**

Every effort is made for Vance & Hines Exhaust Systems to provide improved cornering clearance. However, due to design and space limitations on some motorcycle models, ground and cornering clearance may not be improved and in some cases may be reduced. Be sure to follow proper installation instructions.

**NOTE:** The discoloration or blueing of a nickel finish is normal. Without proper care or maintenance, this finish may rust or corrode. This finish is not warranted against those conditions. For tips on maintenance, please see our "Care Kit" (Part No. 22661).