

CONGRATULATIONS! You have purchased the finest exhaust system available for your motorcycle. Your VANCE & HINES exhaust system is designed for today's rider, a rider who needs maximum performance, great styling and a perfect fitting system. VANCE & HINES spends months testing and designing to come up with the perfect combination of header tubing size and collector shape to give your bike the best possible performance. The VANCE & HINES system will give your bike more power on the low and mid-range, as well as the top end. There are many features that the VANCE & HINES system offers, here are just a few...

- MAXIMUM PERFORMANCE
- PERFECT FIT
- RACING HERITAGE
- MAXIMUM CORNERING CLEARANCE
- EXCLUSIVE QUI TECH I BAFFLE
- VHR QUALITY & CRAFTSMANSHIP

## REMOVING THE STOCK EXHAUST SYSTEM

1. Drain oil from the bike.
2. Remove the lower fairing.
3. Remove all the screws from both sides of the front cowling.
4. Remove the four screws from the top left and right side dash covers. (This will expose the front fairing mounts)
5. Remove the four screws that hold on the lower front bib (below headlight). This will expose the front fairing mount bolts.
6. From the top side (just to the side of the dash panel) remove the upper bolts that hold the front fairing on.
7. From the front (just below the headlight ) remove the bolts that hold on the fairing.
8. Reach behind the dash and disconnect the dash instrument connector.
9. On the right side of the fairing (below the throttle grip) disconnect the coolant overflow hose.
10. Pull the whole front fairing assembly forward and off the bike.
11. Loosen the six screws that hold the radiator rock screen on and remove.
12. Drain the coolant from the system in to a container for later re-use.
13. Disconnect the oil cooler lines from the oil cooler.
14. Loosen upper oil cooler bolts from the radiator and remove cooler.
15. Loosen radiator hose clamps, upper and lower mount bolts.
16. Remove gas tank and disconnect the radiator cooling fan connector.
17. Remove radiator by lifting up then forward at the bottom of the radiator.
18. Remove the old exhaust system starting with the mufflers at the rear of the bike. Then remove the front header system.

## INSTALLING YOUR NEW VANCE & HINES EXHAUST SYSTEM

1. Be sure to check that the stock exhaust gaskets are in good shape. If you have any doubts as to their condition, replace them.
2. Bolt on the front header section while routing the oil cooler lines between the center two pipes.
3. Remove both springs from center stand and take out left side pivot bolt and clip.
4. Install the center stand stop bracket (supplied) with tang oriented toward top & inside of bike, placing the large hole over the spring anchor pin, and the center stand pivot bolt (removed in step 3) through the smaller hole.
5. Re-install the pivot bolt, clip and also both center stand springs.
6. Slide the nut plate into the bracket that is welded onto the silencer can. Note: Be sure the nipple on the nut plate is facing towards the aluminum can

7. Position the squared off end of the silencer mounting bracket over the nut plates while making sure the bend in the bracket is facing towards the aluminum can.
8. Install the 5/16" bolt into the nut plate finger tight.
9. Slide the rear section of the new exhaust system over the collector of the front section.
10. Position the rear section mounting bracket on the inside of the stock mounting bracket (where the stock system originally mounted).
11. Tighten assembly using the stock mounting bolt, washer and nut. Then tighten the 5/16" bolt on the silencer.
12. Install the two springs over the tabs on the collector and tail section using the spring puller tool.
13. The stainless steel exhaust outlet tube may be redirected to suit personal preference or application. First remove the three button head screws on the rear aluminum canister. Slide the baffle assembly out about two inches. Loosen the three allen cap screws on the end cap. Rotate the outlet tube to suit and retighten the cap screws. Install the baffle assembly taking care to engage the baffle core over the end of tail pipe. Install the three button head screws and tighten.
14. Re-install oil cooler and radiator in the reverse order, be sure fan wires are connected and are not going to touch fan blade or exhaust system.
15. Re-install gas tank.
16. Enlarge the opening of the bottom fairing using figure 1 as a guide.

### RE-JETTING INSTRUCTIONS

Re-jetting the carburetors will result in realizing the "full" potential of this performance exhaust system. Vance & Hines offers jet kits for most applications. Base line jetting information is available through our tech-line (562-921-4966) for most models.

