

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 POWER-FLOW BAFFLE
- VHR QUALITY & CRAFTSMANSHIP

REMOVING THE STOCK EXHAUST SYSTEM

1. Remove the four screws from each side of the lower fairing and pull the fairing down and out from under the bike.
2. Remove the five screws from each side of the side fairings. Before pulling off the side fairing remove the screw that is attached to the inside air dam and the lower frame rail.
3. On the left hand side of the bike remove lower hose clamp on the radiator hose and drain the coolant into a clean pan for reuse.
4. On the top right hand side of the bike remove the upper radiator hose.
5. Drain the engine oil into a clean pan for reuse.
6. Remove the two oil line banjo bolts from the bottom of the oil cooler.
7. Remove the six screws that retain the radiator rock guard.
8. Remove the three bolts that retain the oil cooler and remove cooler.
9. Remove both horns and brackets from the frame to gain more clearance around the radiator. Do not remove the bracket attached to the main frame rail.
10. Remove the two top radiator retaining bolts.
11. Carefully push the radiator up until the lower mount pin is disengaged. Next pull the bottom of the radiator forward a couple of inches, (spread the top fairing apart a little), and remove from bike.
12. Remove the eight front header collar nuts and save for later installation.
13. Loosen the exhaust system cross over tube clamp. (under the swing arm pivot bolt)
14. Remove the muffler retaining bolts on each side of the bike and save for later installation.
15. Gently work the exhaust system side to side to loosen the cross over tube joint.
16. Pull the two halves of the exhaust system out each side of the bike then gently work the left hand side of the system out from around the side stand.

INSTALLING YOUR NEW VANCE & HINES EXHAUST SYSTEM

1. A slight modification to the oil pan is required for clearance on the collector. Measure up 1 7/8" from the bottom of the front casting spur and cut off with a hacksaw parallel to the bottom of the oil pan. (No, there isn't any oil in the spur). Refer to fig. 1.
2. Be sure to check that the stock exhaust gaskets are in good shape. If you have any doubts as to their condition, replace them. Bolt on the front header section using the stock header nuts 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.
4. Install the center stand stop bracket (supplied) with the 90 degree tang oriented toward the inside of bike.
5. Re-install and tighten the pivot bolt with the bracket rotated around counter clockwise until it stops on the shock pivot nut. Re-install the center stand springs.
6. Slide the two nut plates 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 two 5/16 bolts into the nut plates 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 two 5/16 bolts 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. The lower fairing needs to be trimmed to accommodate the new exhaust system, refer to figs. 2 and 3 for dimensions.
15. Re-install horns, oil cooler and radiator in the reverse order of disassembly.
16. Replace all fairings in the reverse order from which they were removed.
17. Be sure to put coolant back into the radiator and oil in the engine.

RE-JETTING INSTRUCTIONS

Re-jetting the carburetors will result in realizing the "full" potential of this high performance exhaust system. Vance & Hines offers a Dyno Jet kit part number 21520 for stage 1. Base line jetting information is available through our tech-line (562-926-5291) for most models.

