



**GSXR1100  
SUPER SPORT  
EXHAUST SYSTEM**  
Part #12316

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
- THREE PIECE DESIGN
- MAXIMUM CORNERING CLEARANCE
- EXCLUSIVE QUITECH I BAFFLE
- VHR QUALITY & CRAFTSMANSHIP

#### REMOVING THE STOCK EXHAUST SYSTEM

1. Remove the four screws on each side of the lower fairing.
2. Carefully remove the lower fairing by dropping it straight down and out the left side of the bike.
3. Remove the five screws on each upper side fairing and carefully set aside the fairings.
4. Remove the two upper oil cooler bolts and gently lift the cooler up and forward off the lower rubber mounts. Move the top of the cooler forward to the front fender, the oil lines will hold up the cooler.
5. Remove the eight front header collar bolts.
6. Remove the two center exhaust support bolts which are under the swing arm pivot bolt.
7. Remove the muffler retaining bolts on each side of the bike and save for later installation.
8. Drop the muffler end of the exhaust system down first then gently work the entire system out from under the right hand side of the bike.
9. Remove the two bolts that retain the exhaust system center rubber mount (under the swing arm pivot bolt).

#### INSTALLING YOUR NEW VANCE & HINES EXHAUST SYSTEM

1. Due to the tight clearance of the header and oil cooler the following precaution should be taken.
2. Using a large crescent wrench gently bend the lower aluminum oil cooler brackets, (the ones on the oil cooler itself), back towards the rear of the bike about 3/16".
3. Check that the stock exhaust gaskets are in good shape. If you have any doubts as to their condition, replace them.
4. Bolt on the header section using the eight stock exhaust collar bolts.
5. Re-install the oil cooler into the lower support brackets. Install the top cooler bolts and tighten.
6. Re-route the air box drain tube and carb overflow lines out of the way of the new tail section. Note: Route them between the rear shock and frame.
7. Slide the two nut plates into the bracket that is welded on to the silencer can. Note: Be sure the nipple on the nut plate is facing towards the aluminum can
8. 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.
9. Install the two 5/16" bolts into the nut plates finger tight.

10. Slide the tailpipe of the new exhaust system over the collector of the front section.
11. Install the two exhaust springs between the collector and the tailpipe.
12. Slip the silencer over the tailpipe, positioning the mounting bracket on the inside of the stock mounting bracket.
13. Make sure you have a stock muffler washer between the bracket and rubber mount and under the bolt head.
14. Tighten all exhaust system hardware.
15. Install the last two springs over the tabs on the silencer and tailpipe using the spring puller tool.
16. 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.
17. The lower fairing will have to be cut to clear the header tubes. Remove the rear most steel stiffening bracket. Re-locate and drill two new holes three inches forward from the stock mounting position. Re-install the stiffening bracket. Following the curve of the lower fairing cut out, remove 3 3/8" more material in the forward direction.
18. Replace the fairing in the reverse order from which it was removed.

#### 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 (562-926-5291) for most models.

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, (center stand, oil filter, oil pan etc.) ground and cornering clearance may not be improved and in some cases may be reduced. Be sure to follow proper installation instructions.