

Yamaha V Star 1300 Exhaust (VS13-ESXT)

Stock Exhaust Removal

1. Cover the right frame tube in front of the exhaust with duct tape or any suitable material to protect frame during exhaust removal.
2. Remove the 2 cap screws holding the muffler assembly to the support bar, loosen the muffler clamp and carefully remove the muffler from the motorcycle.
3. Cut the wire loop that the rear brake line runs through for easy bracket removal and to avoid having to bleed the brakes.
4. Remove the 2 bolts holding the stock exhaust support bracket to the frame and save the bolts for mounting the new exhaust.
5. Remove and save the 5mm cap screw on the rear side cover to gain access to the O2 sensor harness plug and unplug O2 sensor from harness.
7. Remove the 4 acorn exhaust flange nuts holding the exhaust system and carefully remove the exhaust system from the motorcycle.
8. Using a 22mm wrench, carefully remove the O2 sensor from stock exhaust system and save for reuse with the new system.
9. Check the stock exhaust gaskets to be sure they are in good shape. If you have any doubts as to their condition, replace them.

BRITT Exhaust System Installation

1. Remove exhaust system and heat shields from protective packaging and place them on a non-abrasive surface such as a blanket or carpet.
2. Apply a small amount of anti-seize compound to the threads of the stock O2 sensor and install it into the header assembly. NOTE: Be careful not to over-tighten or get anti-seize compound on the sensor tip as this could damage or affect the sensor function.
3. Carefully lay each pipe into the heat shields and loosely install the hose clamps by feeding the tail end of the clamp into the heat shield clips. Take note of screw head direction, for adjustment purposes they must be accessible when system is installed.
4. Using stock nuts carefully install system into exhaust ports. (Assistance may be required).
5. Place the stock bolts removed in step 4 of the removal instructions and place them through the mounting tabs and thread them into the holes in the frame where the stock exhaust support bracket was mounted.
NOTE: Do not tighten at this time.
6. Tighten exhaust flange nuts evenly on both cylinders.
7. Tighten the rear mounting bolt evenly.
- 8.. Insert the O2 sensor plug back into harness and tuck harness back into its original position. Secure with the 5mm cap screw.
9. Check alignment of heat shields and tighten the hose clamps on all the heat shields when properly aligned.
10. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
11. All hardware must be properly tightened and the exhaust pipes thoroughly clean before starting motorcycle.

HELPFUL HINTS TO AVOID DISCOLORATION OF EXHAUST PIPES

1. Follow owner's manual instructions regarding use of the choke (starter enricher). If left on longer than recommended, discoloration may be accelerated.
2. Avoid long periods of idling.
3. Intake leaks can cause engine to run lean and overheat, thus turning the pipes blue.
4. Make sure there are no exhaust leaks at the junction of the exhaust pipe and cylinder head.
5. When installing a new set of chrome pipes, make sure your hands are clean and free of oil. After installation, thoroughly clean pipes with a cleaning solvent that will leave no residue (glass cleaner, alcohol, ammonia, etc.) before starting the motorcycle.

WARNING!
"BRITT MOTORSPORTS"
DOES NOT WARRANTY ANY CHROME PRODUCTS
AGAINST DISCOLORATION.

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