NASTY BOY "Wicked Curves" for stock Yamaha Raider

Revision: 1.7 - 04/26/2016
Install Time: 1 Hour

We Strongly recommend that a qualified technician install this kit if you do not completely understand the instructions prior to the install.

INSTRUCTIONS:

This aftermarket exhaust system is designed to replace a stock exhaust system on a motorcycle with its engine, frame, and other components in their stock design configuration and location. Re-mapping of your FI system may be necessary after installation of these exhaust pipes. Removal Procedures For Your Stock Exhaust System Warning! Allow sufficient time for your motorcycle's engine and exhaust system to cool down prior to removal of your stock exhaust pipes and installation of this exhaust system. It is safe to work on your motorcycle when the engine and exhaust system are cool to the touch

1. Remove small chrome cover/heatshield on rear header pipe and unbolt the Exup valve.

2. Remove cables going to Exup valve. The cables will not be needed.

3. Unplug O2 sensor from connector under the seat. The connector must also be removed from the holder in order for it to reach the new pipe.

4. Remove right side peg mount.

5. Remove stock exhaust system using the instructions in your Factory Service Manual.

6. Remove O2 sensor from exhaust pipe.

7. Remove the exhaust mounting bracket from the frame. This will not be re-used. Installation Procedures For Your New Exhaust System

All fasteners should be loose during the initial steps of the installation to ensure proper fit and location of the new exhaust system. Loctite should be applied to all fasteners.

1. (Optional) Remove the old exhaust gaskets and install new ones (not supplied, Yamaha # 3EG-14613-00-00).

2. Remove right side passenger foot peg mount. Reinstall with supplied mounting bracket underneath foot peg mount with stock hardware.

3. Install O2 sensor into the new front head pipe.

4. Before installing pipes to bike, install heat shields to the pipes with supplied clamps. Once aligned all hardware should be tightened at this point.

5. Install rear pipe first. Loosely install the header bolts. Rotate pipe to the 7:00 position and snug the left-most header bolt first. The slack will be taken up by the right bolt.

6. Loosen the right rear peg mount, swing the pipe into position and align the bracket. Install the mount bolt into the bracket and then into pipe. Snug the peg mount down. Do not final tighten any bolts at this time.

7. Install the front exhaust pipe by threading on the two nuts that will secure the exhaust flange to the front cylinder head. DO NOT TIGHTEN NUTS! Tip: use masking tape to protect chrome surfaces that may come

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into contact with other parts during installation.

8. Apply Loctite to supplied M10x20mm long hex flange bolts, slide bolt through mounting bracket and thread into the mounting bung welded onto each pipe.

9. Reinstall floorboard using supplied spacers between the frame and the board mounts.

10. Reinstall small stock rear heat shield up near the rear cylinder shield.

11. Reroute sensor wire to reach the connector under the seat. It will be tight but it fits. It needs to go behind the seat area and between the frame and swing arm over the transfer case. Secure with two of the supplied zip ties.

12. Install heat shield clamps into the heat shields and carefully snap shields onto the exhaust pipes. Tighten clamps snug, but do not over tighten.

13. You may optionally remove the heat shielding on the rear brake line. Secure with two supplied zip ties.

14. Prior to starting the engine, wipe the pipes down with acetone on a clean rag to remove finger prints and debris.

Fig. 1 – Mounting Bracket

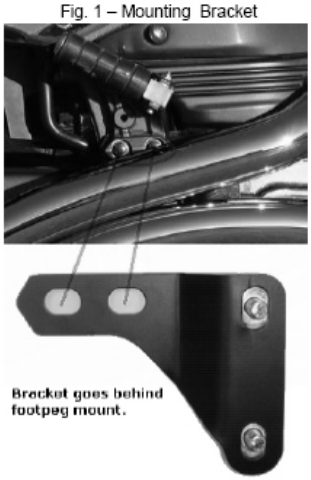

Fig. 2 – Floorboard Mount Spacer Installed

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