

VT No. 30-0517 and 30-0318

REMOVING THE STOCK EXHAUST SYSTEM

1. On FLSTC, FLSTF, FLSTN and FXSTS loosen the right hand floor board mounting bolts to gain clearance for exhaust removal and installation.
2. Loosen the heatshield clamps on both front and rear exhaust pipes.
3. Loosen the crossover pipe clamp, located between the front and rear head pipe. (This step is not necessary on 2000 models).
4. Remove the two mounting nuts from each head pipe, located at the cylinder head.
5. Remove the bolts that attach the mufflers to the frame.
6. Remove the entire exhaust system and set it aside.
7. On pre 2000 models remove the lower mounting bar.
8. FLSTN, FLSTF and FXSTD models have an upper mounting bar that must be removed in addition to the lower bar.
9. Park the motorcycle on its side stand. Remove the right side 1 / 4"-20 bolt which holds the lower fender in place. The fender will flex out of the way allowing the removal of the right passenger foot peg bolt. Position a floor jack under the right hand frame tube of the motorcycle below the swing arm pivot bolt. Raise the jack just enough to take the weight off the pivot bolt and remove the bolt and stock mounting bar. Set the mounting bar aside. Replace the pivot bolt and torque it between 120 -150 ft. lbs. Reinstall the passenger foot peg using the 1 / 2"-20 x 3" bolt and an 1 5 / 8" long spacer (supplied).
10. On 2000 year models, using a #50 Torx driver, remove the three mounting bolts, and set the mounting bar aside. (Two of the bolts are visible, the third is accessed by removing the right hand passenger foot peg.) Replace the foot peg using the 3 / 8"-16 x 2 1 / 2" bolt and 3 / 4" length spacer (supplied).
11. Carefully remove the flanges and circlips from the stock exhaust system using snapping pliers.

NOTE: If circlips look bent or twisted replace them with new circlips.

INSTALLING YOUR EXHAUST SYSTEM

1. V-Twin recommends you replace your exhaust gaskets.
2. Install the mounting bracket to the frame, by aligning the two 3 / 8" holes in the bracket with the two holes in the frame below the right rear footrest, using the two 3 / 8"-16 x 3 / 4" flange head bolts (supplied), do not tighten at this time. When the bracket is mounting correctly, it should bend out and away from the motorcycle, with the four holes of the bracket toward the front of the motorcycle.
3. Install the circlips and flanges from the stock system on to both of the new head pipes.
4. Unscrew all of the hose clamps (supplied) until they are completely loose. Mark the top edge of all three heat shields with the location of the mounting clips that are welded to the backside. Position the front heat shield over the head pipe and feed the tail end of the hose clamps into the clips. Be sure that each hose clamp is engaged with both clips. Give the screw three to four turns, leaving heat shield loose on the head pipe. Repeat this step with the rear heat shield. Note: The screw end of the hose clamp should be accessible, but not visible when pipe is mounted on the bike.
5. Install the front head pipe using the stock nuts, do not tighten at this time.
6. Install the rear head pipe using the stock nuts, do not tighten at this time.
7. Slide one dog bone shaped nut plate under the bracket that is welded to the backside of the rear head pipe and attach the pipe to the mounting bracket with the 5 / 16 " flange bolts (supplied), but leave them loose at this time.
8. Repeat step #9 with the front head pipe.
9. Align the head pipes so they're parallel when viewing from the right side of the bike, and tighten the 5 / 16 " flange bolts on both mufflers.
10. Tighten the two 3 / 8" bolts that attach the mounting bar to the frame.
11. Tighten the two nuts on both the front and rear head pipe flanges.
12. Be sure the ends of the heat shields meet flush with the baffle end cap. Adjust the baffles and / or heat shields so they match flush where the two parts meet. A small amount of adjustment can be made by loosening the baffle bolt on the backside of the head pipes and moving the baffle in or out.
13. Rotate the hose clamps on both heat shields so they are accessible with a screw driver and tighten them.
14. Retighten floor board mounting bolts on models so equipped.
15. Be sure to tighten all hardware before starting your motorcycle