

# Muffler Installation Instructions

## Triumph Bobber and Triumph Speedmaster

### *LEFT SIDE INSTALLATION*



First, locate the clamp holding the muffler inlet to the catalytic converter. **DO NOT REMOVE CLAMP!** It is very difficult to reinstall once completely removed. What you're going to do is loosen it just enough to be able to slide the muffler out. So at this point you're going to just loosen the nut a couple of turns.



Remove the left side heat shield by loosening the clamp. It is located roughly under the left footpeg.



Lowering the kickstand makes it easier to remove the heat shield.



Now remove the bottom bolt that holds the muffler to the frame mounting bracket.



After removing the heat shield you should now be able to remove the muffler by gently wiggling it out of the catalytic converter clamp. If it won't come off, **VERY CAREFULLY** loosen the clamp just a bit more. You want to avoid taking the clamp completely off. Also, do not damage to the internal graphite gasket that the clamp is holding in place.



With the muffler off and out of the way you can remove the OEM muffler mounting bracket.



Here's a shot of the parts waiting to be installed. Included in the new muffler kit is a replacement bracket that will mount in the same location. You'll notice the picture shows the clamp that goes from the catalytic converter to the muffler. Hopefully you left it attached to the cat as described in upcoming scenes.



Here's a closeup of the bracket components.



Make sure to align the nub on the new bracket lines up into the with the top hole on the frame.



The upper hole secures the bracket to the frame using the supplied bolt and a star washer. Just loosely tighten all fasteners until the full system is installed and aligned.



Bracket is installed on frame.



Now get ready to install the inlet of the muffler into the catalytic converter. Remember when we removed the OEM muffler we didn't remove the clamp, we just loosened it. Now is when you're going to be grateful that you followed the directions. If you didn't follow the directions you will need to reinstall the gasket, flanged sleeve, and clamp BEFORE trying to mount the muffler inlet.

Begin by making sure there are no burrs on the muffler or the inside diameter of the gasket. If the gasket, or any other components on the catalytic converter are damaged, you may have to replace the damaged part.

Triumph replacement part numbers (same for either side of bike):

Gasket, exhaust, D35. PN: T2202153

Sleeve, silencer, flanged, D39.10. PN: T2201428

G Clamp, D45, exhaust. PN: T2202151



Now, gently work the edge of the muffler inlet into the graphite gasket. The muffler inlet has a beveled edge to help engage the muffler inlet into the gasket without causing damage. Rotate the muffler and gently wiggle it to get it in there.



The depth that you will insert it into the gasket can vary. The alignment of the muffler to the mounting bracket is really what determines the depth, Tighten the clamp just a little since you may need to still do some aligning of the mufflers.



Now loosely install the bolt that secures the muffler to the frame mounting bracket.



Here's are some closeups of the bolt, bracket, and muffler mounting bracket.



Begin the reinstallation of the heat shield, aligning it under the lip of the front/header heat shield.



Install the heat shield clamp and bolt over the muffler inlet tube. Only tighten loosely for now.



Don't tighten everything yet. You're now going to want to install the right side muffler and make sure the mufflers are level with each other before tightening everything down.

### *RIGHT SIDE INSTALLATION*

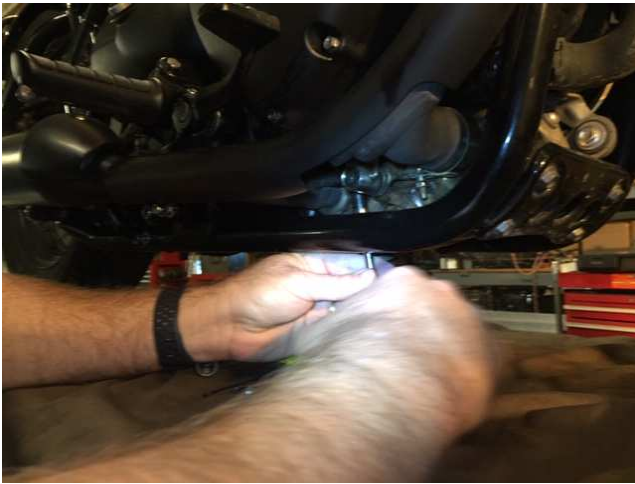


The right-hand side installation is going to be just slightly different from the left-hand side since the header heat shields are a little different. The left side has a two design whereas the right side is one piece. Because of this, it helps to loosen the right header at the cylinder head first so that you can pull outward on the header and heat shield to have room to work.

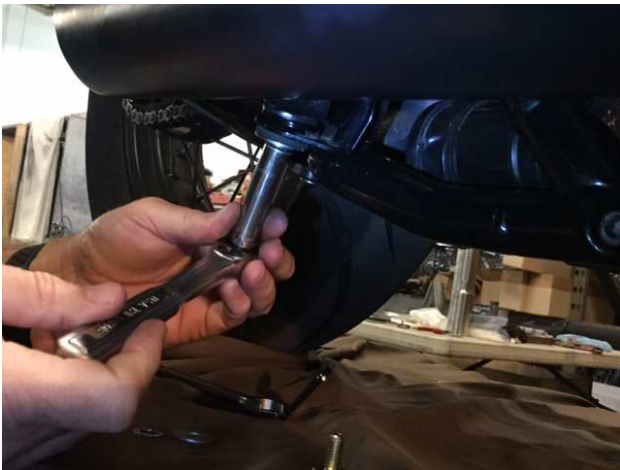


After you have loosened the header at the cylinder head, now loosen it on the right side clamp to the header crossover tube.





Now as on the left side, slightly loosen the clamp on the catalytic converter.



And remove the bolt holding the muffler to the frame bracket. You should now be able to lift the muffler away from the bike. Take notice of how the muffler clamps to the heat shield. You're starting to see why we loosened up the header at the cylinder head.



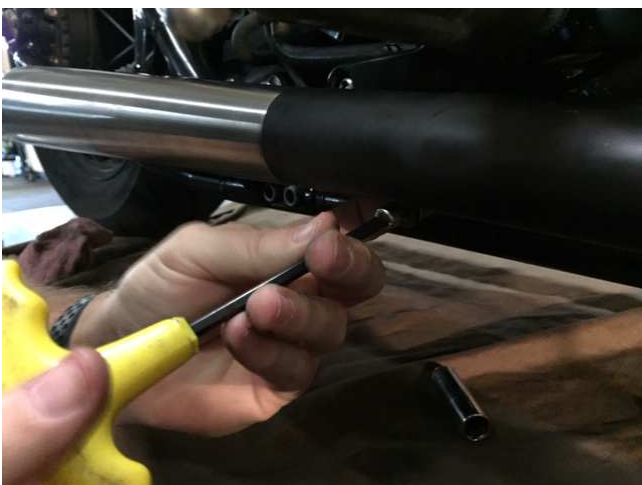
After you have removed the muffler you can now remove the rear mounting bracket just as we did on the other side.



And again, just like on the left side, leave the catalytic converter clamp in place and gently work the muffler inlet into the gasket. However, on the right side now you will see why we loosened the header. You almost need three hands at this point. You need to guide the muffler into the cat and clamp the muffler to the heat shield in the same motion in order to get things properly aligned. Be patient, you can do it!



Once the muffler is seated, install the bracket mounts.



Attach the heat shield to the muffler. **YOU'RE ENTERING THE HOME STRETCH!**



Once you have finished installing both sides, step back and make sure that both side are evenly aligned.

Looks good? Great! Now go ahead and tighten everything up. **MAKE SURE YOU DON'T FORGET TO RETIGHTEN THE HEADER/CYLINDER HEAD BOLTS!** Step back and take one last look to make sure everything is still straight and you didn't forget to tighten anything.



**TIP:** Oils and salt on your fingers will leave fingerprints on your exhaust!

**Before ever starting the motor make sure to completely wipe down the mufflers with either acetone or rubbing alcohol and a clean, soft cloth.** If you don't, the heat will indeliby burn those fingerprints into the surface of the exhaust!



Now enjoy the great job you did!