

## Items Supplied >

1 – FRONT HEADPIPE W/HEATSHIELD  
1 – REAR HEADPIPE W/HEATSHIELD  
1 – MUFFLER ASSEMBLY  
1 – EXHAUST BRACKET  
2 – EXHAUST FLANGES  
4 – SMALLER HOSE CLAMPS; 2 – LARGER HOSE CLAMPS  
2 – CLAMP, 27-61MSC  
2 – BOLT, HEX 5/16-18 x .63  
2 – SCREW, BUTTON ¼-20 x .38  
2 – BOLT, ALLEN M10x30mm  
2 – NUT, M10 NYLOCK  
2 – BILLET MUFFLER TIPS  
1 – O2 SENSOR HARNESS EXTENSION

## Application(s) >

YAMAHA ROADSTAR 1700 08-13

## Instruction Manual >

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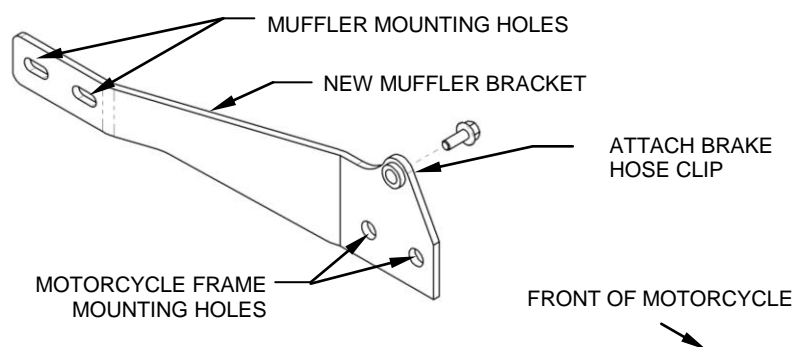
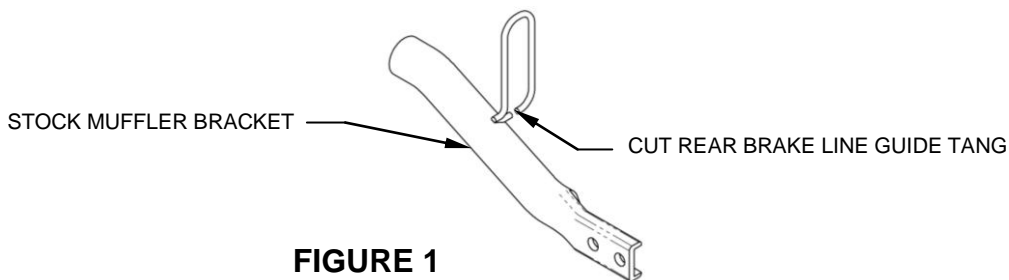
**PRIOR TO INSTALLATION, MAKE SURE YOUR STOCK HEADPIPE GASKETS ARE IN GOOD SHAPE. IF YOU HAVE ANY DOUBTS AS TO THEIR CONDITION, REPLACE THEM.**

**Read all instructions carefully and completely before installing your new exhaust system**

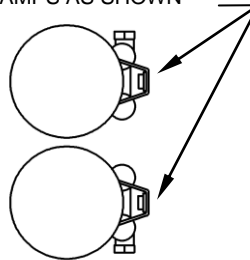
1. Loosen and move the right side floorboard out of the way to ease installation of the exhaust.
2. Remove the seat by turning the ignition key entirely to the left side, then remove the painted left then right hand side cover from behind the engine, secured with large button head screw, there is a M6 Hex screw hidden between the covers which must be removed before removing the right cover.
3. Unplug O2 sensors from wiring harness. Remove stock exhaust system. Remove O2 sensors from headpipes.
4. Remove the stock exhaust mounting bracket and discard. NOTE: The bracket brake line guide must be cut & spread apart so you can remove the brake line from the bracket. Refer to Figure 1.
5. Install the new exhaust mounting bracket using the supplied M10 hex bolts and nylock hex nuts but **DO NOT TIGHTEN** at this time. Connect the brake hose clip to the bracket using the stock M6 bolt. Refer to Figure 2.
6. Install O2 sensors into supplied front and rear headpipes. Install the front and rear headpipes onto motorcycle using the supplied flanges, stock bolts and stock nuts. Make sure pipes are parallel to each other.
7. Remove the muffler assembly from the box and slide two supplied 27-61MSC clamps onto the back muffler tubes. Refer to Figure 3 for alignment.
8. Slide the muffler assembly onto the headpipes by tapping on the headpipes with your hand as you push the mufflers forward making sure the assembly slides as far forward as possible. Secure the muffler assembly to the mounting bracket using the supplied 5/16-18 bolts but **DO NOT TIGHTEN**.
9. Make sure the muffler assembly is parallel to the ground (this is critical) then tighten the following in order, muffler bracket to the frame, muffler assembly to the muffler bracket, headpipe flanges to the motor (slowly tighten opposing nut) and muffler clamps. (NOTE: If the muffler clamps are slid to far up the muffler or past the three slots, the clamps will not tighten.)
10. Plug front O2 sensor connector into stock location. Plug rear O2 sensor connector into the supplied O2 sensor harness extension and plug the opposite end into the stock harness location. Make sure the extension harness is tucked inside frame and away from exhaust pipe. Refer to Figure 4.

\* **Cobra® recommends you always wear a helmet while riding. Please never operate your motorcycle while under the influence of alcohol and/or drugs. Enjoy the new look of your motorcycle and please ride safely.**

11. Unscrew the remaining hose clamps and feed the tail end of the clamp through the clips on the inside of the heatshields, the larger clamps go to the rear of the heatshields where they will rest on the muffler bodies, smaller ones to the front for the headpipes. The screw end of the hose clamp should be accessible for tightening but not visible when the heatshields are mounted to the pipes.
12. To install the front heatshield, first slide the rear portion of the heatshield over the muffler, continue to slowly slide it forward pushing the front of the shield gently into place between the frame and motor (Hint: Spread the hose clamps apart slightly to make it easier to slide them over the muffler assembly and headpipes). Make sure the muffler clamps don't interfere with the heatshields and are aligned as shown in Figure 3. Snug the heatshield clamps but **DO NOT TIGHTEN**.
13. Install the rear heatshield the same way as the front heatshield.
14. Install one billet tip on each heatshield making sure the angled ends of the tips are parallel with each other. Fasten the tips with the supplied ¼-20 screws making sure they snug up against the heatshield leaving no gap between the tip and heatshield when tightened. **If it is difficult to slide the tips into the heatshields loosen the clamps on the heatshield, failure to do this may cause damage to the chrome tips.**
15. Tighten the clamps on the heatshields.
16. Reinstall the left and right covers, replace the seat and retighten the floorboard mount loosened in Steps 1 and 2.
17. Make sure all the hardware (brackets, headpipes, heatshields, mufflers and baffles) has been tightened appropriately and cleaned before starting your motorcycle.

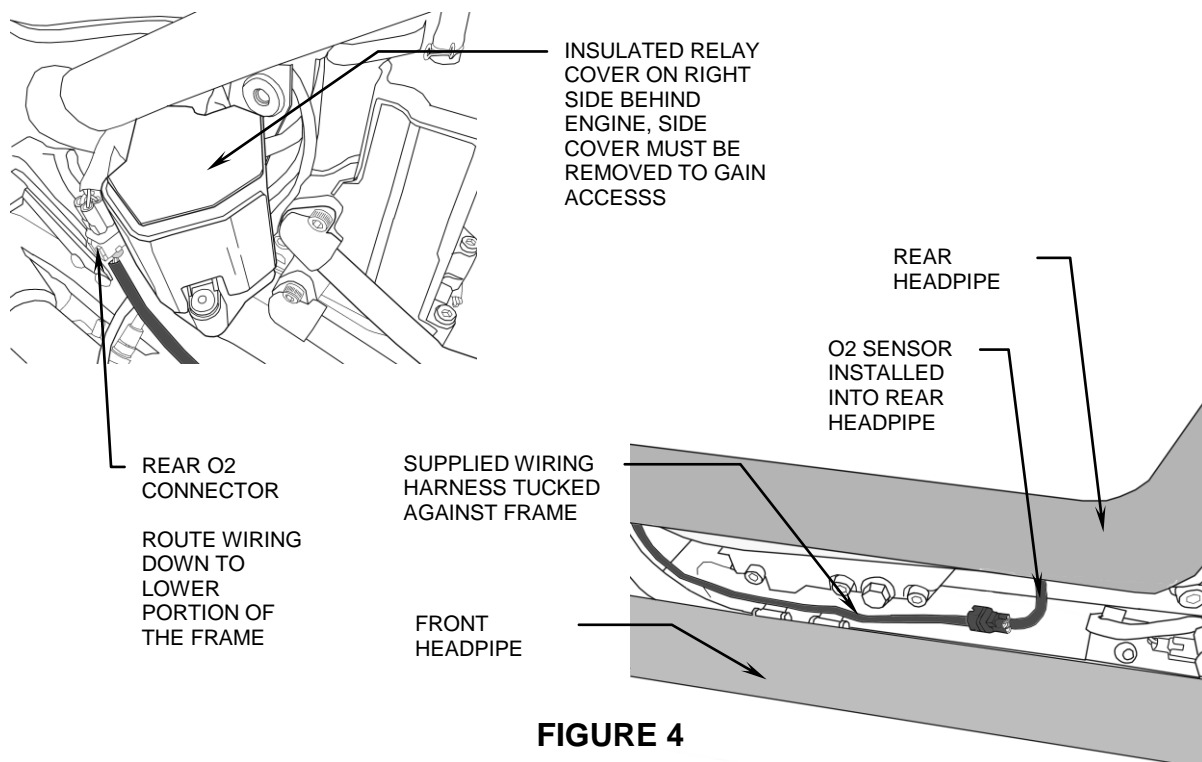


ORIENTATE CLAMPS AS SHOWN



**FIGURE 3**

FRONT VIEW



**FIGURE 4**

**IMPORTANT:** Cobra highly recommends using a Fi2000® Fuel Management System to help eliminate lean conditions and popping sounds. Cobra Part# 92-1771CL for Fi2000 closed loop. For California models only use Part# 92-1771CL-50

**Before starting your engine remove all fingerprints from chrome with a quality wax or chrome polish.**

California does not allow the use of aftermarket exhaust systems that remove original equipment catalyts, (except for racing use only) unless the Air Resources Board has issued an Executive Order for that system.