



401 South Grand Ave., Santa Ana, CA 92705  
Tel: 714.550.6070 Fax: 714.550.9661 www.twobros.com



**2009 Yamaha**  
**R1**  
Cat Eliminator  
Part # 005-23802S



**Parts List**

Qty.	Description	Part Number
1	Slip-On Tube Assembly	005-23802S
1	HARDWARE KIT	005-238-4
1	Barrel Clamp	005-27-71MSH
1	8x40mm Socket Head Cap Screw	005-SH840
1	6mm Flange Nut	005-FN6
1	8mm Flange Nut	005-FN8
1	Permatex Ultra Black Gasket Maker	031-P22072
1	TBR Sticker Kit	015-10212

**IMPORTANT - PLEASE READ CAREFULLY**

*We recommend that this performance part be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this performance part, please consult with your local motorcycle dealer. Read all instructions first before starting installation. Make sure the motorcycle and exhaust system are completely cool before starting the installation. Also, make sure the bike is secure on a centerstand or ideally a service lift during installation. Be sure to save all stock components for possible use later.*

Repack all road canisters every 3,000 miles. Part #005-10038

Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential and incidental damages or any other losses arising from the use of these products or parts.

**Installation Instructions**

1. Make sure the bike is completely cool before starting the installation. Make sure the bike is secure on a centerstand or ideally a service lift.
2. Un-plug brake light (2 wire).



3. Remove right side foot rest assembly bolts.



4. Remove heat shield cover.



5. Remove cat mounting bolt.



6. Loosen muffler joint clamps.



7. Remove head joint clamp.



8. Remove O2 sensor.



9. Remove seats.

10. Remove rear cowling.



11. Remove mufflers.





Absolute Top Level™

401 South Grand Ave., Santa Ana, CA 92705  
Tel: 714.550.6070 Fax: 714.550.9661 www.twobros.com



2009 Yamaha

R1

Cat Eliminator

Part # 005-23802S



### Installation Instructions

12. Remove mid section.



13. Install heat shield to TBR cat eliminator and rubber bumper. Use supplied 6mm nut to fasten center mount bolt, this is just cosmetic.



14. Install OEM mounting bracket using the supplied 8mm nut and 8x40mm bolt.



15. Install TBR cat eliminator using the supplied 71mm barrel clamp and a small amount of high-temp silicone on header joint.



16. Install mounting bolts, O2 sensor then tighten barrel clamp. Tighten the secondary mounting bolt.



17. Re-install foot rest assembly, and plug in brake light.



18. Re-install mufflers, cowling and seats.

19. Double check your work to ensure everything is tight and properly installed.

20. Before you run the bike, clean off all fingerprints and dirt, as any oily residue will etch the metal and become somewhat permanent when the system gets hot. Run the bike and enjoy. It is normal for some white smoke to appear the first time you start the bike. This is packing/manufacturing oil from inside the pipe burning off. Check for gaps or leaks. If you find a leak, a little high temperature silicon sealant should fix it. After 50 to 100 miles, recheck all fasteners for tightness.