Two Brothers Racing
Made in U.S.A.

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Mfg: Yamaha **Make:** R1
Year: 1998-01
Product: Full Exhaust System

Parts List

1- Header collector	(Part # 032-P09175
(Part # 005-8101N)	8- 8mm x 35mm Bolts
1- Canister (slip-on, right exit)	**High Mount Only**
1- Canister clamp	1- High mount hanger bracket
1- Stainless Steel S-bend	2- Flush mount turn signals
3- Connector springs	4- Scotch connectors
(Part # 005-S80)	1- 8mm x 20mm bolt
8- 8mm x 30mm Bolts	1- 8mm nylock nut
1- Packet of Hi-Temp Anti-Seize	1- 8mm washer
(Part # 031-P22072)	1- Chrome heat shield
1- Packet of Hi-Temp Sealant	2- heat shield hose clamps

Care & Cleaning / Warranty

Care & Cleaning
Keep system free of dirt and moisture. Store in a cool, dry place. For cleaning use a mild spray cleaner. Always apply cleaner or polish with a soft, clean cloth.
Stainless Header System: Polished stainless steel pipes will turn a light golden hue after a few heat cycles, this is a normal characteristic of high quality stainless steel.
Chrome Header System: Chromed header tubing will turn blue close to the exhaust ports, this is normal. To prevent corrosion you must keep the header pipes clean.
Carbon Fiber & X-Metal Mufflers: X-Metal CF canisters will shift color from their original silver color to an amber color after a few heat cycles, similar to the way our stainless steel headers shift color. Always make sure the fiberglass packing inside is in good condition and not burned out, as exhaust heat inside an empty canister will deteriorate the Carbon Fiber / X-Metal CF sleeve. TBR sells repack kits (TBR part # 005-10038) that include new rivets and repack material as well as a drill bit (#30), making it easy to do yourself. Also, NEVER dyno test your bike with carbon fiber mufflers installed - the intense heat and lack of cooling air can quickly cause the CF material to burn. Two Brothers Racing does not provide a warranty for burned carbon fiber.
Aluminum Mufflers: Use an aluminum or mag wheel polish such as Mother's to restore the bright finish to factory spec.
Warranty
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.
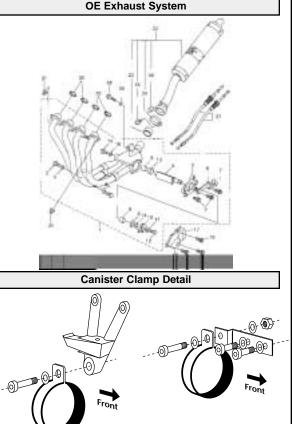
IMPORTANT - PLEASE READ CAREFULLY

We recommend that this performance exhaust system be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this exhaust system, 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 the sidestand or ideally a rear service stand during installation. Be sure to save all stock exhaust components for possible use later.

Installation Instructions

1. Make sure the bike is completely cool before starting the installation. Make sure the bike is secure on the sidestand or ideally a rear service stand.

2. Remove the front fairing section to allow access to the header pipes. You may also need to move the radiator out of the way to access pipes.

3. Remove the hardware that holds the stock muffler at the passenger footpeg bracket. Take off the muffler.

4. Unbolt the muffler at the passenger footpeg bracket and at the header connection. Remove stock muffler, but keep the hardware for later use.

5. Unbolt and remove the stock headers.

6. *HIGH PIPE ONLY*- Remove the right side passenger footpeg bracket, and replace with TBR hanger bracket. Replace turn signals with new flush mount signals and use the scotch connectors to splice into the existing rear turn signal wires. We recommend sealing the connector with electrical tape or shrink tubing. Also, if your boot contacts the pipe, you may want to mount the small chrome heat shield with the two hose clamps provided.

7. Install new exhaust port gaskets. A dab of grease will hold the gaskets in place while you fit the new headers.

8. *Loosely* install the new header. *If* you have difficulty getting the studs fully through the new exhaust flanges, we have provided 8 longer allen bolts to replace your studs with. To remove studs, simply put two nuts onto each stud and back it out with a wrench. Be sure to coat the threads of the bolts with the included packet of hi-temp anti-seize.

9. Place a bead of the hi-temp sealant on the outside edge of the header that goes into the s-bend. Slide the s-bend onto the end of the header. Wipe off the excess sealant that will squeeze out.

10. Place a bead of the hi-temp sealant on the outside edge of the s-bend that goes into the canister. Slide the canister onto the end of the s-bend. Wipe off the excess sealant that will squeeze out.

11. Carefully slide the muffler clamp over the muffler. (**Note:** *The stainless steel canister clamp and the name badge on the canister come from the factory with a clear plastic protective film. Please remove this film before operation.*) You may need to twist and turn the S-bend a little to get it in the right place. Locate both tabs of the canister clamp outside of the passenger footpeg/high mount bracket. Use the stock hardware to secure it (standard mount). Use the 8mm x 20mm bolt and 8mm hardware to secure it. *Leave loose for now.*

12. Make sure everything is aligned and tighten all hardware. Affix the connector springs to the muffler.

13. 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.

OE Exhaust System

Canister Clamp Detail

R1 98-01 FULL Instructions.qxd