



## 1990-1994 HD FXR

Comp-S Full System Part # 005-4440199



### BILL OF MATERIALS

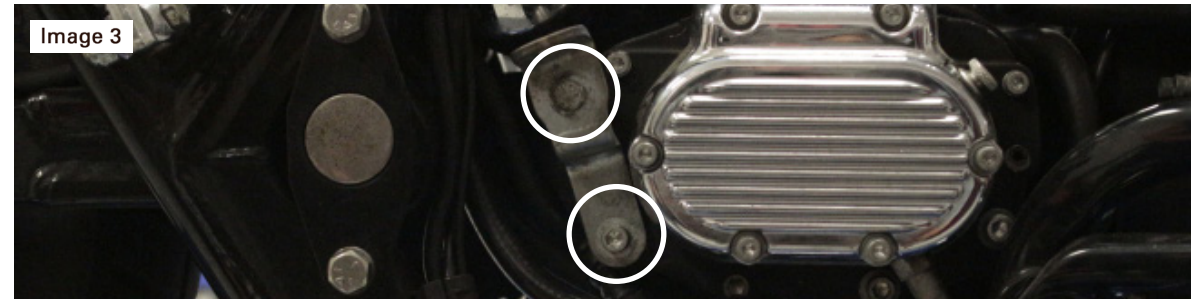
1	Header #1	005-44401H1
1	Header #2	005-44401H2
1	Muffler Assembly	005-44401M
1	Heat Shield Muffler	005-HSM
1	Heat Shield Header	005-HSH
1	Muffler Bracket	005-444-B
4	5/16" x 3/4" Bolt	005-FB51634
2	5/16" x 1 1/2" Bolt	005-FB516112
3	5/16" Clip Nut	005-10-516CN
5	Hose Clamps	005-HC-64024
1	Spring Puller	005-SP
2	Spring 45mm	005-S45
1	Sticker Kit	015-10212

### INSTALLATION INSTRUCTIONS

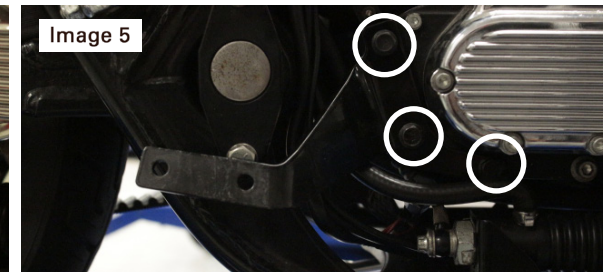
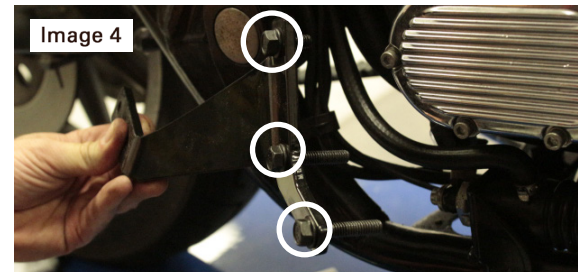
1. Make sure the bike is completely cool before starting the installation. Make sure the bike is secure on the sidestand or ideally a service lift.
2. Remove exhaust heat shields to expose headers. **(Reference image 1)**
3. Remove OEM headers from motorcycle. **(Reference image 2)**



4. Remove rear header mount bracket. **(Reference image 3)**



5. Install Supplied TBR muffler mounting bracket to transmission using the (2) 1 1/2" and (1) 3/4" bolt provided. **(Reference images 4 & 5)**



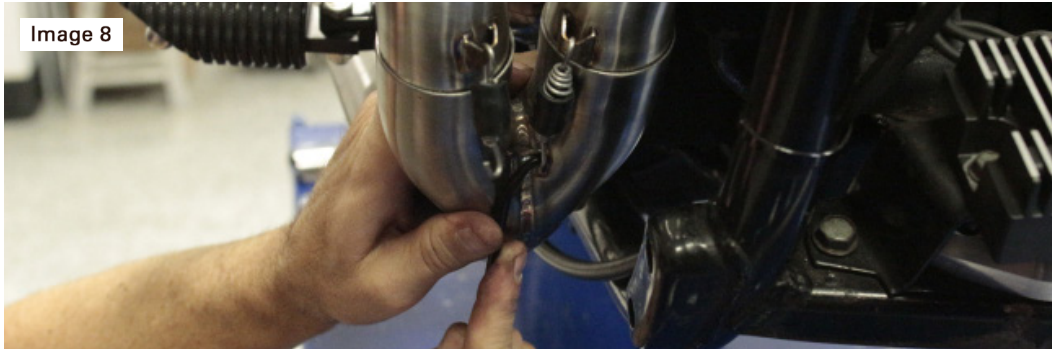
6. Attach (1) supplies clip nut to the mounting tab at the front of the muffler assembly. **(Reference image 6)**
7. Attach (2) of the supplied clip nuts to the bracket mounted to the muffler. **(Reference image 7)**
8. loosely Install the front and rear headers using the OEM flanges and retainers that must be removed from stock headers.

**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 center stand or ideally a service lift during installation. Be sure to save all stock components for possible use later.

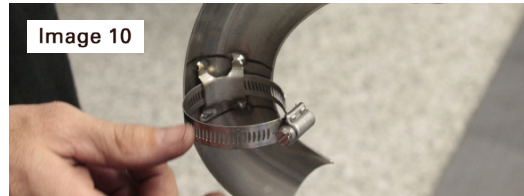
**WARRANTY:** Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential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



9. Loosely install the muffler assembly and secure to the mounting tabs with the (3) 3/4" bolts provided. **(Reference image 8)**



10. Install supplied springs to the header joint.  
 11. Tighten header flanges and mounting bolts. **(Reference image 9)**  
 12. Install TBR Heat shields using supplied Hose Clamps to rear header and muffler section. **(Reference image 10)**



13. Double check your work to be sure everything is tight.  
 14. 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.

### Care & Cleaning

Keep system free of dirt and moisture. Store in a cool, dry place. Make sure vehicle is completely cool before maintenance.

**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. Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

**Titanium Header System:** Polished titanium pipes will experience color shift ranging from deep blue/purple through amber after a few heat cycles. This is a normal characteristic of high quality titanium. Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

**Polished Aluminum Canisters:** Use an aluminum or mag wheel polish to restore the bright finish to factory spec.

**Brushed Aluminum Canisters:** Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

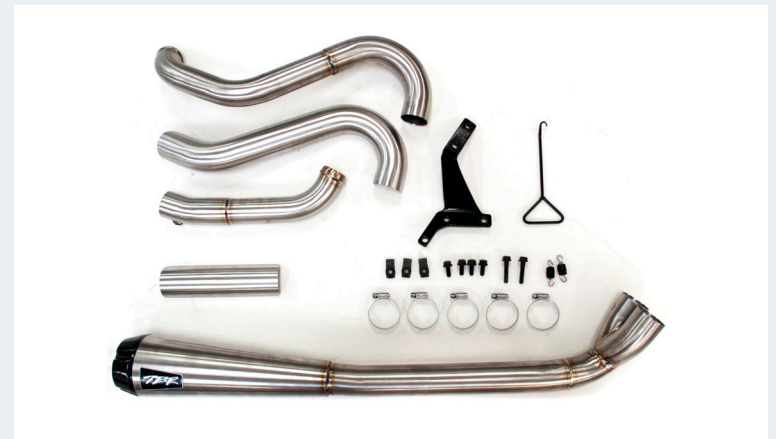
**Carbon Fiber Canisters:** Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth. Always make sure the fiberglass packing inside is in good condition and not burned out, as exhaust heat inside an empty canister will deteriorate the carbon fiber sleeve. TBR sells repack kits (Road - #005-10038, Offroad - #005-10038MX) that include everything you need to easily do it yourself.

**Titanium Mufflers:** For cleaning use a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth. 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 sleeve. TBR sells repack kits (Road - #005-10038, Offroad - #005-10038MX) that include everything you need to easily do it yourself.

Repack all road canisters at the first signs of packing material deterioration. Part #005-10038

Repack all offroad canisters after every 10 hours of use. Part #005-10038MX

NEVER dyno test your bike with carbon fiber or titanium canisters installed - the intense heat and lack of cooling air can quickly burn through the canister material. Two Brothers Racing does not provide a warranty for burned canisters.



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