



**2010-2016 HD FL TOURING**  
Header System Part # 005-38701H



**BILL OF MATERIALS**

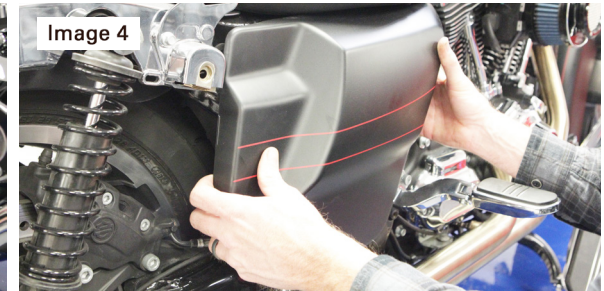
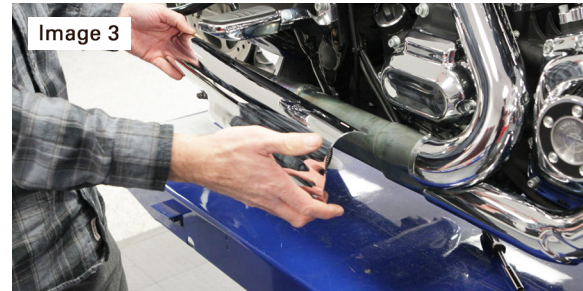
2	02 Sensor Kit	005-92-22KIT
1	Barrel Clamp	005-27-61MSH

**INSTALLATION INSTRUCTIONS**

1. Secure motorcycle on side stand or service lift.
2. Remove left and right saddlebags. **(Reference image 1)**
3. Remove left and right mufflers.
4. Remove right hand floorboard bolts to expose front header. **(Reference image 2)**



5. Remove all OEM heat shields with clamps and put aside for re-use. **(Reference image 3)**
6. Remove right side cover. **(Reference image 4)**



7. Remove front and rear 02 sensors from headers and make note of which is front and rear for later. **(Reference image 5)**
8. Remove the rear left side pipe that runs from right to left by loosening the clamp and removing the bolt at the rear of the oil pan. The bolt will be re-used. **(Reference image 6)**



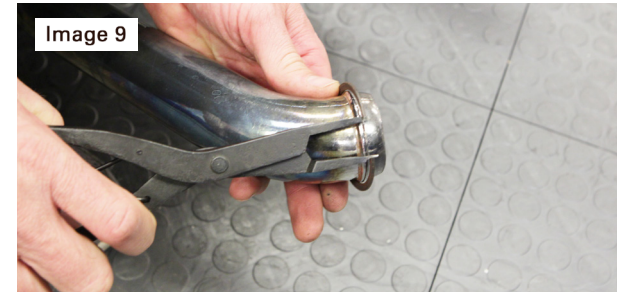
9. Remove header pipe bolt that secures the header to the transmission cover, this bolt will be re-used.

**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.

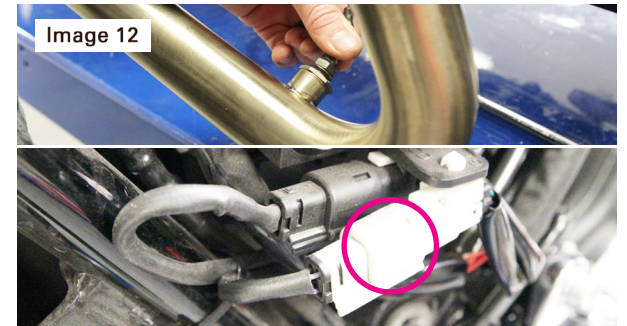
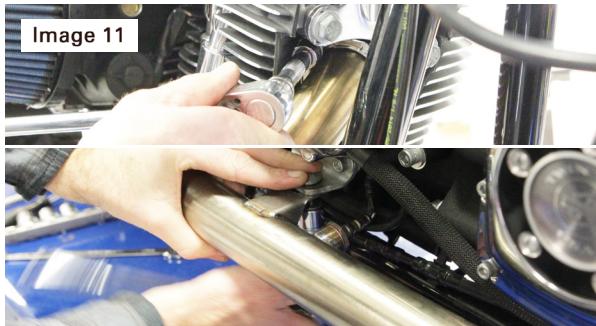
**WARRANTY:** Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential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



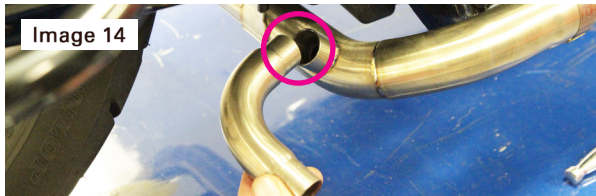
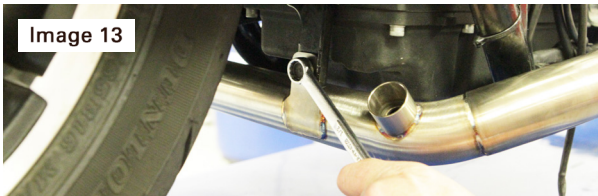
10. Remove the bolts from the front and rear header flanges at the cylinder heads. **(Reference image 7)**
11. Remove OEM header assembly. **(Reference image 8)**
12. Check to see if exhaust port gaskets are in good shape or replace if worn (OEM part number 65324-83B).
13. Remove exhaust flanges from OEM header by removing the circlips using snap ring pliers. If circlip becomes bent or twisted replace with OEM part number 65325-83A. **(Reference image 9)**



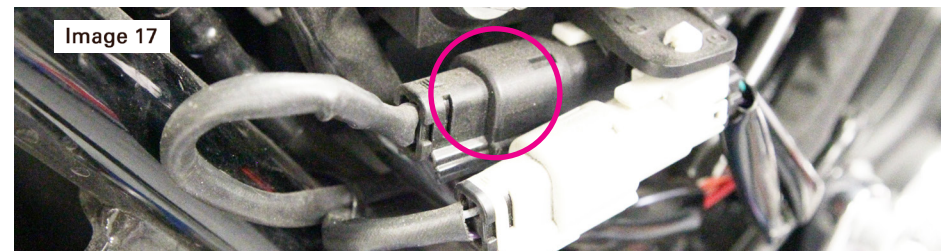
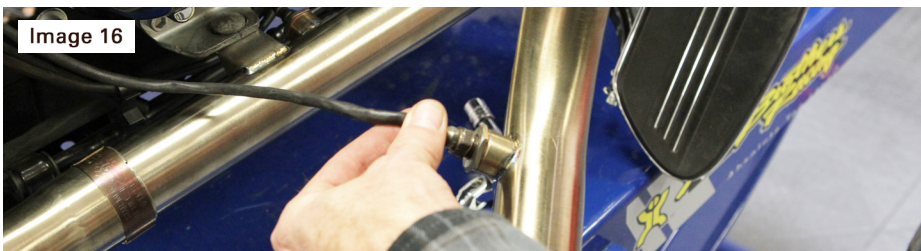
14. Re-install OEM headers flanges to TBR headers and secure in place with the OEM circlips. **(Reference image 10)**
15. Install TBR front header and loosely secure in place using OEM flange bolts and OEM transmission mount bolt. **(Reference image 11)**
16. Install front O2 sensor (this has the grey plug on the end of the sensor wire) use supplied adaptors for 12mm O2 sensors. **(Reference image 12)**



17. Install exhaust tube that crosses over from right side to left side of motorcycle. Use supplied T-bolt clamp at slip fit to header and OEM bolt at rear of oil pan to secure in place. **(Reference image 13)**
18. Insert supplied X-over tube into port on front header with orange dot going into front header. **(Reference image 14)**
19. Install rear header and align it to the X-over tube and secure in place with the OEM header flange bolts. **(Reference image 15)**



20. Install rear O2 sensor (this has the black plug on the end of the sensor wire) use supplied adaptors for 12mm O2 sensors. **(Reference images 16 & 17)**





21. Install left and right mufflers. (Reference image 18)

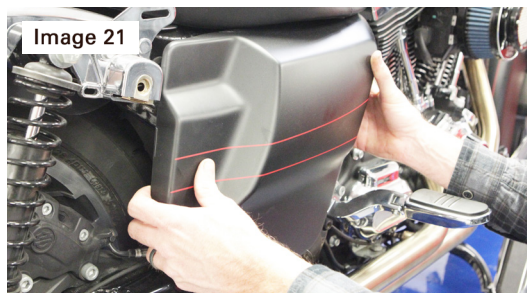
22. Re-install right floor board. (Reference image 19)



23. Tighten all hardware.

24. Install OEM heat shields using OEM clamps. (Reference image 20)

25. Re-install side cover. (Reference image 21)



26. Re-install saddle bags. (Reference image 22)



27. Check your work to be sure everything is tight and secure, check to be sure you have no exhaust leaks.

### 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.



### BILL OF MATERIALS

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1	Barrel Clamp	005-27-61MSH