



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



### 1988-1991 Honda Hawk

V.A.L.E.™ Full Exhaust System with M-2 Canister  
Part # 005-010106V / 005-010107V / 005-010108V



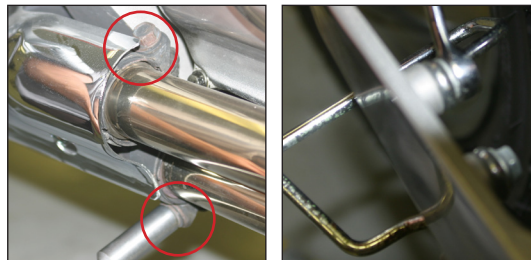
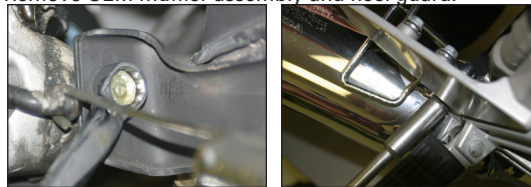
#### IMPORTANT - PLEASE READ CAREFULLY

*This exhaust system has not been tested with aftermarket or OEM accessories and is not designed to work with them. (i.e. hard bags/ centerstand/ lisc. plate frames)*

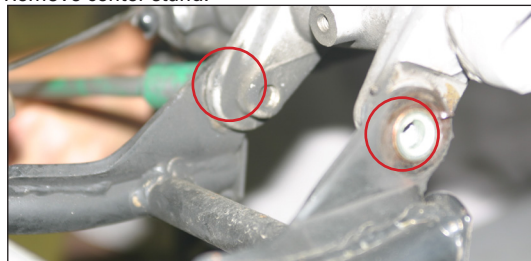
*We recommend that this performance part be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this performance part, please consult with your local motorcycle dealer. Read all instructions first before starting installation. Make sure the motorcycle 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.*

#### Installation Instructions

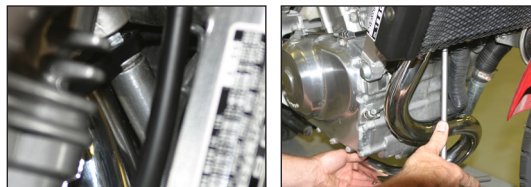
1. Make sure the bike is completely cool before starting the installation. Make sure the bike is secure on its sidestand or ideally a service lift.
2. Remove OEM muffler assembly and heel guard.
7. Install TBR supplied muffler bracket to right side foot peg assembly with using OEM mounting bolts. The bracket will mount outside of forward wire heel cover and use OEM 6mm upper bolt and OEM 8mm lower bolt and nut.



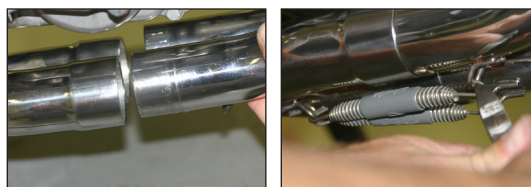
3. Remove OEM header pipes.
4. Remove center stand.



5. Install TBR headers front and rear, use OEM copper gaskets.



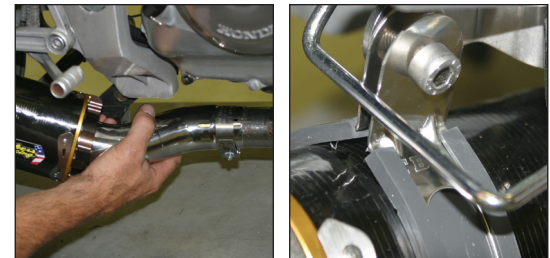
6. Install Merge collector using supplied spring hooks.



8. Loosely attach the V.A.L.E.™ muffler to the stainless steel V.A.L.E.™ connector tube using the supplied 6x20mm socket head cap screws and 6mm split washers.



9. Attach muffler assembly to headers with supplied 61mm barrel clamp. Slide on rubber lined muffler clamp. Use supplied 8x20mm socket head cap screw and 8mm nut provided to secure muffler to hanger bracket.





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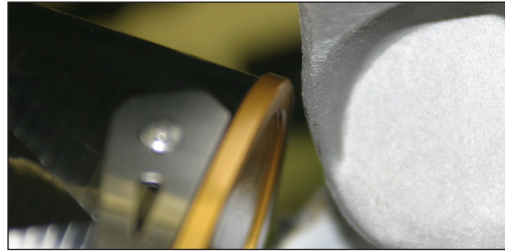
V.A.L.E.™ Full Exhaust System with M-2 Canister  
Part # 005-010106V / 005-010107V / 005-010108V



Qty.	Description	Part Number
1	M-2 Muffler Canister	Varies
1	Slip-On Tube Assembly	005-0104S
1	Header Kit	005-0101H
1	HARDWARE KIT	005-01-3C
1	V.A.L.E.™ X-Lite™ Retaining Ring	005-7-2-3KIT
1	Canister Clamp	Varies
2	Spring 80mm	005-S80
1	Hawk Bracket	005-01-B
1	Barrel Clamp	005-27-61MSH
1	8mm Flange Nut	005-FN8
1	8x20mm Socket Head Cap Screw	005-SH820
1	TBR Sticker Kit	015-10212

### Installation Instructions

10. Check your work for clearance between frame and also rear tire.



11. Tighten X-ring bolts then barrel clamp.



12. 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 burnin g 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

#### 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 every 3,000 miles. 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.

### 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.