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## 2002-09 Honda VFR800Fi

V.A.L.E.™ Slip-on Exhaust System with M-2 Canister  
Part # 005-650406V / 005-650407V / 005-650408V



### Parts List

Qty.	Description	Part Number
1	Left Muffler Canister (with P1 Installed)	Varies
1	Right Muffler Canister (with P1 Installed)	Varies
2	P1 Race Pipe PowerTip™ (Installed)	005-P1
2	Canister Clamps	Varies
1	S-bend Tube	005-6504NLV
1	Left Side Stabilizer Tube	005-6504NV
1	HARDWARE KIT	005-65-3
2	X-Ring (half)	005-7-2-3
8	6x14mm Socket Head Cap Screws	005-SH614
1	Barrel Clamp	005-27-64MSH
2	8 x 60mm Socket Head Cap Screws	005-SH860
1	8 x 65mm Socket Head Cap Screw	005-SH860
2	18mm Spacers	005-S-18
3	8mm Washers	008-WF8
1	8mm Lock Nut	005-NN8
8	M6 Split Lock Washer	005-WL6
1	Permatex Black Gasket Maker	031-P22072

### 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.**

### 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. Remove the seat.
3. Loosen the clamp that holds the muffler connector tube to the headers under the bike.
4. Remove the hardware that holds the stock mufflers under the tail. Take off the mufflers - be careful as this assembly is heavy.
5. Use the supplied 6x14mm socket head cap screws and split lock washer to loosely attach the X-Lite ring/slip tube (V.A.L.E.™) assembly to the muffler canisters. Leave loose for now.
10. Right Canister: Carefully slide the canister clamp over the canister. (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. Attach both tabs of the canister clamp onto the stock mounting bracket using the supplied 8x60mm cap screw, 18mm spacer and 8mm washer to secure it. Leave loose for now.
11. Make sure everything is aligned properly. Securely tighten all hardware beginning with the supplied barrel clamp. Next, securely tighten the 8 (eight) 6x14mm socket head cap screws of the V.A.L.E.™ assembly. Next, securely tighten the left side stabilizer tube, then both of the 8x60 cap screws securing the muffler clamps.



V.A.L.E.™ Assembly Detail

6. Place a bead of the hi-temp sealant around the outside edge of the OEM header. Install the T-bolt clamp onto the supplied s-bend tube (the end with slots cut into the s-bend) then slide the s-bend onto the right side header. Wipe off the excess sealant that will squeeze out. Leave loose for now.
7. Left Canister: Carefully slide the canister clamp over the canister. (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. Attach both tabs of the canister clamp onto the stock mounting bracket using the supplied 8x60mm cap screw, 18mm spacer and 8mm washer to secure it. Leave loose for now.
8. Remove the rear bolt on the leftside passenger footpeg bracket. Replace the OEM bolt with the supplied 8 x 65mm cap screw.
9. Attach the Left Side Stabilizer Tube mounting bracket over the 8x65mm bolt on the inside of the right rear passenger footpeg bracket and secure with 8mm lock nut and washer provided. Leave loose for now.
12. Double check to make sure that all hardware is tightened.
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 1 to 2 hours of riding 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.



Absolute Top Level™

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Part # 005-650406V / 005-650407V / 005-650408V



**005-650406V**



Qty.	Description	Part Number
1	Left Muffler Canister (with P1 Installed)	005-65-206L
1	Right Muffler Canister (with P1 Installed)	005-65-206R
2	P1 Race Pipe PowerTip™ (Installed)	005-P1
2	Canister Clamps	005-2C-113
1	S-bend Tube	005-6504NLV
1	Left Side Stabilizer Tube	005-6504NV
1	HARDWARE KIT	005-65-3
2	X-Ring (half)	005-7-2-3
8	6x14mm Socket Head Cap Screws	005-SH614
1	Barrel Clamp	005-27-64MSH
2	8 x 60mm Socket Head Cap Screws	005-SH860
1	8 x 65mm Socket Head Cap Screw	005-SH860
2	18mm Spacers	005-S-18
3	8mm Washers	008-WF8
1	8mm Lock Nut	005-NN8
8	Split Lock Lock Washer	005-WL6
1	Permatex Black Gasket Maker	031-P22072

**005-650407V**



Qty.	Description	Part Number
1	Left Muffler Canister (with P1 Installed)	005-65-207L
1	Right Muffler Canister (with P1 Installed)	005-65-207R
2	P1 Race Pipe PowerTip™ (Installed)	005-P1
2	Canister Clamps	005-2C1-113
1	S-bend Tube	005-6504NLV
1	Left Side Stabilizer Tube	005-6504NV
1	HARDWARE KIT	005-65-3
2	X-Ring (half)	005-7-2-3
8	6x14mm Socket Head Cap Screws	005-SH614
1	Barrel Clamp	005-27-64MSH
2	8 x 60mm Socket Head Cap Screws	005-SH860
1	8 x 65mm Socket Head Cap Screw	005-SH860
2	18mm Spacers	005-S-18
3	8mm Washers	008-WF8
1	8mm Lock Nut	005-NN8
8	Split Lock Lock Washer	005-WL6
1	Permatex Black Gasket Maker	031-P22072

**005-650408V**



Qty.	Description	Part Number
1	Left Muffler Canister (with P1 Installed)	005-65-208L
1	Right Muffler Canister (with P1 Installed)	005-65-208R
2	P1 Race Pipe PowerTip™ (Installed)	005-P1
2	Canister Clamps	005-2C2-113
1	S-bend Tube	005-6504NLV
1	Left Side Stabilizer Tube	005-6504NV
1	HARDWARE KIT	005-65-3
2	X-Ring (half)	005-7-2-3
8	6x14mm Socket Head Cap Screws	005-SH614
1	Barrel Clamp	005-27-64MSH
2	8 x 60mm Socket Head Cap Screws	005-SH860
1	8 x 65mm Socket Head Cap Screw	005-SH860
2	18mm Spacers	005-S-18
3	8mm Washers	008-WF8
1	8mm Lock Nut	005-NN8
8	Split Lock Lock Washer	005-WL6
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