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## 1997-2008 Yamaha YZF600

V.A.L.E.™ Slip-On Exhaust System  
Part # 005-320406V / 005-320407V / 005-320408V / 005-320419V / 005-320420V



### Parts List

Qty.	Description	Part Number
1	YZF600 Muffler Canister	Varies
1	YZF600 Muffler Canister Clamp	Varies
1	YZF600 Slip-On Tube	005-3204SV
1	HARWARE KIT	005-32-3
1	X-Lite™ V.A.L.E.™ Retaining Ring	005-7-2-2
1	Barrel Clamp	005-27-61MSH
1	26mm Aluminum Spacer	005-S-26
1	8x50mm Socket Head Cap Screw	005-SH850
1	8mm Nylon Lock Nut	005-NN8
4	6x14mm Socket Head Cap Screws	005-SH614
4	6mm Split Lock Washer	005-VL6
1	5mm Long Handle Ball end hex key	005-9-18610
1	Permatex Ultra Black Gasket Maker	031-P22072

### IMPORTANT - PLEASE READ CAREFULLY

**We recommend that this performance part be installed by a qualified 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.**

### 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.

### 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. Loosen the clamp that holds the muffler connector pipe to the headers under the bike. Remove the hardware that holds the stock muffler at the passenger footpeg bracket. Take off the muffler.
3. Use the 4 (four) 6x14mm Socket Head Cap Screws and 6mm split lock washers to loosely join the slip-tube to the muffler canister. Do not tighten yet.
4. Slide the s-bend onto the end of the headers. Secure the support tab to the lower frame mount. Leave loose for now.
5. Carefully slide the canister clamp over the muffler. You may need to twist and turn the s-bend tube a little to get it in the right place. Using the aluminum spacer, place it between the clamp and the footpeg bracket. Locate both tabs of the canister clamp outside of the passenger footpeg bracket. Use the stock hardware to secure it. Leave loose for now.
6. Once the muffler is properly aligned, tighten the muffler mounting bolt, followed by the V.A.L.E.™ screws, and lastly the bottom barrel clamp. Tighten the V.A.L.E.™ screws in an X-pattern in order to achieve a proper fit.
7. Before you run the bike, clean off all fingerprints and dirt, as any oily residue will etch the metal and become permanent when the system gets hot. Also, remove any plastic film from the name badge(s). 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

#### 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.

005-320406V



Qty.	Description	Part Number
1	YZF600 (89-06) M2 Aluminum Muffler Canister	005-206M
1	YZF600 (89-06) Muffler Canister Clamp	005-2C
1	YZF600 (89-06) Slip-On Tube	005-3204SV
1	HARDWARE KIT	005-32-3
1	X-Lite™ V.A.L.E.™ Retaining Ring	005-7-2-2
1	Barrel Clamp	005-27-61MSH
1	26mm Aluminum Spacer	005-S-26
1	8x50mm Socket Head Cap Screw	005-SH850
1	8mm Nylon Lock Nut	005-NN8
4	6x14mm Socket Head Cap Screws	005-SH614
4	6mm Split Lock Washer	005-WL6
1	5mm Long Handle Ball end hex key	005-9-18610
1	Permatex Ultra Black Gasket Maker	031-P22072

005-320407V



Qty.	Description	Part Number
1	YZF600 (89-06) M2 Carbon Fiber Muffler Canister	005-207M
1	YZF600 (89-06) Muffler Canister Clamp	005-2C1
1	YZF600 (89-06) Slip-On Tube	005-3204SV
1	HARDWARE KIT	005-32-3
1	X-Lite™ V.A.L.E.™ Retaining Ring	005-7-2-2
1	Barrel Clamp	005-27-61MSH
1	26mm Aluminum Spacer	005-S-26
1	8x50mm Socket Head Cap Screw	005-SH850
1	8mm Nylon Lock Nut	005-NN8
4	6x14mm Socket Head Cap Screws	005-SH614
4	6mm Split Lock Washer	005-WL6
1	5mm Long Handle Ball end hex key	005-9-18610
1	Permatex Ultra Black Gasket Maker	031-P22072

005-320408V



Qty.	Description	Part Number
1	YZF600 (89-06) M2 Titanium Muffler Canister	005-208M
1	YZF600 (89-06) Muffler Canister Clamp	005-2C2
1	YZF600 (89-06) Slip-On Tube	005-3204SV
1	HARDWARE KIT	005-32-3
1	X-Lite™ V.A.L.E.™ Retaining Ring	005-7-2-2
1	Barrel Clamp	005-27-61MSH
1	26mm Aluminum Spacer	005-S-26
1	8x50mm Socket Head Cap Screw	005-SH850
1	8mm Nylon Lock Nut	005-NN8
4	6x14mm Socket Head Cap Screws	005-SH614
4	6mm Split Lock Washer	005-WL6
1	5mm Long Handle Ball end hex key	005-9-18610
1	Permatex Ultra Black Gasket Maker	031-P22072

005-320419V



Qty.	Description	Part Number
1	YZF600 (89-06) M5 Carbon Fiber Muffler Canister	005-807M
1	YZF600 (89-06) Muffler Canister Clamp	005-5C
1	YZF600 (89-06) Slip-On Tube	005-3204SV
1	HARDWARE KIT	005-32-3
1	X-Lite™ V.A.L.E.™ Retaining Ring	005-7-2-2
1	Barrel Clamp	005-27-61MSH
1	26mm Aluminum Spacer	005-S-26
1	8x50mm Socket Head Cap Screw	005-SH850
1	8mm Nylon Lock Nut	005-NN8
4	6x14mm Socket Head Cap Screws	005-SH614
4	6mm Split Lock Washer	005-WL6
1	5mm Long Handle Ball end hex key	005-9-18610
1	Permatex Ultra Black Gasket Maker	031-P22072

005-320420V



Qty.	Description	Part Number
1	YZF600 (89-06) M5 Titanium Muffler Canister	005-808M
1	YZF600 (89-06) Muffler Canister Clamp	005-5C1
1	YZF600 (89-06) Slip-On Tube	005-3204SV
1	HARDWARE KIT	005-32-3
1	X-Lite™ V.A.L.E.™ Retaining Ring	005-7-2-2
1	Barrel Clamp	005-27-61MSH
1	26mm Aluminum Spacer	005-S-26
1	8x50mm Socket Head Cap Screw	005-SH850
1	8mm Nylon Lock Nut	005-NN8
4	6x14mm Socket Head Cap Screws	005-SH614
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