



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

Suzuki DL650 V-STROM

V.A.L.E.™ Full Exhaust System with M-2 Exhaust Canister
Part # 005-3140106V, 005-3140107V, 005-3140108V



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.

Warranty Information

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. Not tested for use

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 lower exhaust mounting bolt.



3. Remove front header pipe.



4. Remove rear pipe assembly.



5. Install TBR mid-pipe using OEM mounting hardware and supplied 57mm barrel clamps.



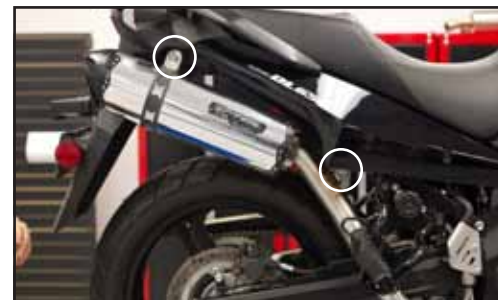
6. Re-install OEM front header pipe.



7. Attach muffler to TBR slip system using the supplied X-ring, 6x20mm socket head cap screws and lock washers that are provided, leave loose for now. Slide rubber lined muffler clamp with supplied bolt and spacer. Slide barrel clamp on end of tube.



8. Loosely attach muffler to bike using the OEM hardware on slip-tube mount and install muffler clamp using the supplied bolt and spacer.





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Qty.	Description	Part Number
1	M-2 Muffler Canister	Varies
1	Canister Clamp with Rubber Liner	Varies
1	Slip-on tube	005-31401S
1	Header assembly	005-31401H
1	HARDWARE KIT	005-314-3C
2	X-Ring (half)	005-7-2-3
2	57mm Barrel Clamp	005-27-57MSH
1	63mm Barrel Clamp	005-27-63MSH
1	8x75mm Socket Head Cap Screw	005-SH875
1	34mm Black Spacer	005-S-34
1	Sensor Bolt (Installed)	005-92-22B
1	8mm Flange Nut	005-FN8
4	6x20mm Socket Head Cap Screws	005-SH620
4	6mm Split Lock Washer	005-VL6
1	T20 Torx Hex Key	005-9-15820
1	5mm Ball End Hex Key	005-9-18610
1	TBR Sticker Kit	015-10212

Installation Instructions

- Check for clearance and alignment, then tighten all the bolts in this order:



(LEFT SIDE OF BIKE) Header bolt



- 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. 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.

Care & Cleaning / Warranty Information

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.