



401 South Grand Ave., Santa Ana, CA 92705  
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## 2006-10 Triumph SPRINT ST 1050

V.A.L.E.™ Slip-on Exhaust System with M-5 Canister  
Part # 005-1540419V, 005-1540420V



### Parts List

Qty.	Description	Part Number
1	M-5 Muffler Canister	Varies
1	Stainless Steel S-Bend Slip-On Tube	005-15501S
1	HARDWARE KIT	005-154-3
1	X-Lite™ V.A.L.E.™ Retaining Ring	005-7-2-2
1	Licence Plate Bracket	005-17304B
1	Rear LED Tail Light /Plate Lights	005-17504LK
1	Turn Signal Marker Lights (Set of 2)	005-88T2
1	C-5/M-5 Oval Muffler Clamp Halves (set 2)	005-5C-6A
2	8x20mm Socket Head Cap Screw	005-SH820
4	M6 Split Lock Washer	005-WL6
1	Muffler Hanger Bracket LEFT	005-154-13L
1	Muffler Hanger Bracket RIGHT	005-154-13R
4	6x14mm Socket Head Cap Screw	005-SH614
2	8mm Nylon Insert Lock Nut	005-NN8
1	5mm Long Handle Ball end hex key	005-9-18610

### 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 center stand or ideally a service lift.

2. Remove the seat and handle:



3. Remove the rear cowling:



4. Remove the fender assembly:



5. Remove the plastic cover on fender assembly to expose the brake and turn signal wires. Disconnect the brake light wires:



6. Remove the OEM muffler:



7. To install the Two Brothers Racing Slip-on Exhaust System: Attach the slip-tube with the X-Lite Ring™ to the muffler using the 4 (four) 6x14mm socket head cap screws and split lock washers provided. Leave loose for now.



8. Attach the rubber lined muffler clamps and plate brackets as shown to the muffler assembly using the 2 (two) 8x20mm socket head cap screws and nuts provided. Leave loose for now.



9. Install muffler assembly using the OEM mounting bolts and joint clamp.





Absolute Top Level®

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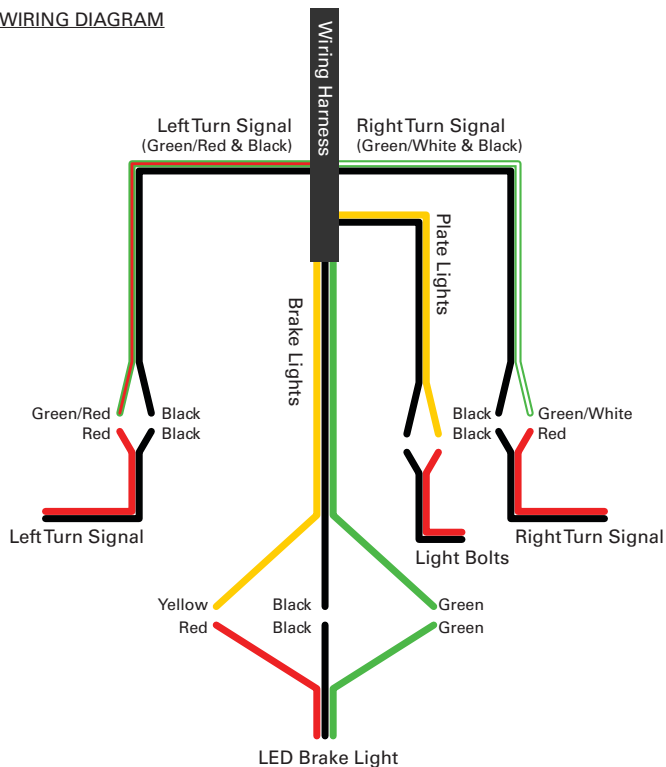


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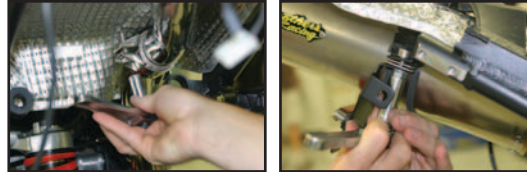
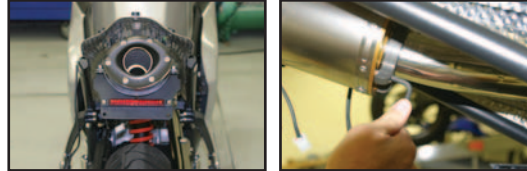


### WIRING DIAGRAM



### Installation Instructions

- Make sure muffler is aligned when the bike is centered. Then tighten the four V.A.L.E.™ assembly bolts and clamp bolts. Make sure there is clearance between wiring and all body parts.



- Attach the turn signals/taillights and plate lights as shown in Wiring Diagram. Join wires to main wire harness using the supplied splice connectors and blue scotch locks. You can either cut the OEM modular connectors off of the wiring harness or splice new wire to them. The supplied lighting devices will need to have the modular connectors removed. Run all wiring to the left side of the rear frame, away from the muffler assembly making sure there is adequate clearance from all body parts. Make sure all lights work correctly.

- Re-install the fender assembly, rear cowling, seat and handle from steps 2-4.

- Double check your work for alignment and fitment.

- 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. Remove any plastic film from name badge(s) and/or canister clamp(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.





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### 005-1540419V



Qty.	Description	Part Number
1	M-5 Carbon Fiber Muffler Canister	005-120419M
1	Stainless Steel S-Bend Slip-On Tube	005-15501S
1	HARDWARE KIT	005-154-3
1	X-Lite™ V.A.L.E.™ Retaining Ring	005-7-2-2
1	Licence Plate Bracket	005-17304B
1	Rear LED Tail Light /Plate Lights	005-17504LK
1	Turn Signal Marker Lights (Set of 2)	005-88T2
1	C-5/M-5 Oval Muffler Clamp Halves (set 2)	005-5C-6A
2	8x20mm Socket Head Cap Screw	005-SH820
4	M6 Split Lock Washer	005-WL6
1	Muffler Hanger Bracket LEFT	005-154-13L
1	Muffler Hanger Bracket RIGHT	005-154-13R
4	6x14mm Socket Head Cap Screw	005-SH614
2	8mm Nylon Insert Lock Nut	005-NN8
1	5mm Long Handle Ball end hex key	005-9-18610

### 005-1540420V



Qty.	Description	Part Number
1	M-5 Titanium Muffler Canister	005-120420M
1	Stainless Steel S-Bend Slip-On Tube	005-15501S
1	HARDWARE KIT	005-154-3
1	X-Lite™ V.A.L.E.™ Retaining Ring	005-7-2-2
1	Licence Plate Bracket	005-17304B
1	Rear LED Tail Light /Plate Lights	005-17504LK
1	Turn Signal Marker Lights (Set of 2)	005-88T2
1	C-5/M-5 Oval Muffler Clamp Halves (set 2)	005-5C-6A
2	8x20mm Socket Head Cap Screw	005-SH820
4	M6 Split Lock Washer	005-WL6
1	Muffler Hanger Bracket LEFT	005-154-13L
1	Muffler Hanger Bracket RIGHT	005-154-13R
4	6x14mm Socket Head Cap Screw	005-SH614
2	8mm Nylon Insert Lock Nut	005-NN8
1	5mm Long Handle Ball end hex key	005-9-18610

## 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 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.

## 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.