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2006 KTM 250 SX-F

V.A.L.E.™ Complete Exhaust System with M-7 Canister
Part # 005-1290106V / 005-129107V / 005-1290607V / 005-1290608V



Parts List

| Qty. | Description | Part Number |
|------|---------------------------------------|-------------|
| 1 | KTM250 SX-F (06) Muffler Canister M-7 | Varies |
| 1 | KTM250 SX-F (06) S-Bend for Complete | Varies |
| 1 | KTM250 SX-F (06) Header | Varies |
| 1 | 8mm Aluminum Spacer | 005-S-8 |
| 1 | Side Panel Spacer | 005-S-13 |
| 1 | 6x25mm Flange Bolt | 005-FB625 |
| 1 | 6x40mm Socket Head Cap Screw | 005-SH640 |
| 1 | 6mm Flat Washer | 005-WF6 |
| 1 | 5mm Long Handle Ball end hex key | 005-9-18610 |
| 1 | Permatex Medium Strength Threadlock | 031-P09178 |
| 4 | 6x14mm Socket Head Cap Screw | 005-SH614 |
| 2 | TBR Script Logo Yellow Decal 4" | 015-10208 |

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

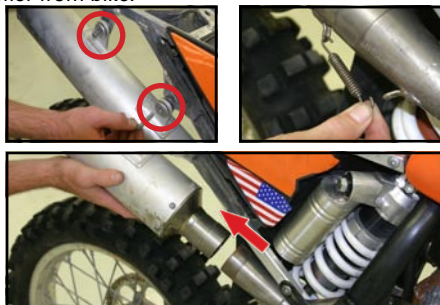
Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential and 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 a centerstand or ideally a service lift.
2. Remove seat.
3. Remove tailpiece.



4. Remove OEM upper muffler mounting bolts and springs and disconnect muffler canister from header. Remove muffler from bike.



5. Remove mid-pipe mounting bolt.



6. Detach header springs and save for later use.



7. Remove rear shock by removing lower and upper shock mounting bolts.

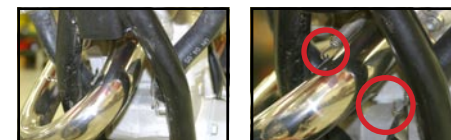


8. With rear shock removed, remove OEM headpipe from bike. The OEM header is a very tight fit and may be difficult to remove.



9. Reattach rear shock.

10. Slip supplied header into frame following path of OEM header. Attach supplied header to exhaust manifold using OEM springs



11. Secure header to mid-pipe muffler bolt.



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Part # 005-1290106V / 005-1290607V / 005-1290608V



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.

Installation Instructions

12. Apply a small amount of threadlock to the four 6 x 14mm socket head cap screws. Loosely attach the s-bend tube to the muffler canister with the four supplied 6x14mm socket head cap screws.



13. Slip muffler assembly into header.



14. Using supplied 6x40mm bolt and 8mm spacer, attach muffler canister to upper subframe mounting tab



15. Securely tighten the 4 (four) 6mm x 14mm hex head bolts of the V.A.L.E. assembly.



16. Replace tailpiece using OEM left side and top bolt.



17. Using supplied 6x25mm bolt and 13mm spacer, secure right side plastic.



18. Replace seat.

19. Double check to make sure that all hardware is tightened

20. 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 50 to 100 miles, recheck all fasteners for tightness.



**2006 KTM
250 SX-F**

V.A.L.E.™ Complete Exhaust System with M-7 Canister
Part # 005-1290106V / 005-1290107V / 005-1290607V / 005-1290608V

M-7 Series
3.75" x 4.85" OVAL



005-1290106V



| Qty. | Description | Part Number |
|------|--|--------------|
| 1 | KTM250 SX-F (06) Muffler Canister M-7 Aluminum | 005-129-206M |
| 1 | KTM250 SX-F (06) Stainless Steel S-Bend for Complete | 005-12901SC |
| 1 | KTM250 SX-F (06) Stainless Steel Header | 005-12901H |
| 1 | 8mm Aluminum Spacer | 005-S-8 |
| 1 | Side Panel Spacer | 005-S-13 |
| 1 | 6x25mm Socket Head Cap Screw | 005-SH625 |
| 1 | 6x40mm Socket Head Cap Screw | 005-SH640 |
| 1 | 6mm Flat Washer | 005-WF6 |
| 1 | 5mm Long Handle Ball end hex key | 005-9-18610 |
| 1 | Permatex Medium Strength Threadlock | 031-P09178 |
| 4 | 6x14mm Socket Head Cap Screw | 005-SH614 |
| 2 | TBR Script Logo Yellow Decal 4" | 015-10208-A |
| 1 | Spark Arrestor (Installed) | 005-106S |

005-1290107V



| Qty. | Description | Part Number |
|------|--|--------------|
| 1 | KTM250 SX-F (06) Muffler Canister M-7 Carbon Fiber | 005-129-207M |
| 1 | KTM250 SX-F (06) Stainless Steel S-Bend for Complete | 005-12901S |
| 1 | KTM250 SX-F (06) Stainless Steel Header | 005-12901H |
| 1 | 8mm Aluminum Spacer | 005-S-8 |
| 1 | Side Panel Spacer | 005-S-13 |
| 1 | 6x25mm Socket Head Cap Screw | 005-SH625 |
| 1 | 6x40mm Socket Head Cap Screw | 005-SH640 |
| 1 | 6mm Flat Washer | 005-WF6 |
| 1 | 5mm Long Handle Ball end hex key | 005-9-18610 |
| 1 | Permatex Medium Strength Threadlock | 031-P09178 |
| 4 | 6x14mm Socket Head Cap Screw | 005-SH614 |
| 2 | TBR Script Logo Yellow Decal 4" | 015-10208-A |

005-1290607V



| Qty. | Description | Part Number |
|------|--|--------------|
| 1 | KTM250 SX-F (06) Muffler Canister M-7 Carbon Fiber | 005-129-207M |
| 1 | KTM250 SX-F (06) Titanium S-Bend for Complete | 005-12906S |
| 1 | KTM250 SX-F (06) Titanium Header | 005-12906H |
| 1 | 8mm Aluminum Spacer | 005-S-8 |
| 1 | Side Panel Spacer | 005-S-13 |
| 1 | 6x25mm Socket Head Cap Screw | 005-SH625 |
| 1 | 6x40mm Socket Head Cap Screw | 005-SH640 |
| 1 | 6mm Flat Washer | 005-WF6 |
| 1 | 5mm Long Handle Ball end hex key | 005-9-18610 |
| 1 | Permatex Medium Strength Threadlock | 031-P09178 |
| 4 | 6x14mm Socket Head Cap Screw | 005-SH614 |
| 2 | TBR Script Logo Yellow Decal 4" | 015-10208-A |

005-1290608V



| Qty. | Description | Part Number |
|------|--|--------------|
| 1 | KTM250 SX-F (06) Muffler Canister M-7 Titanium | 005-129-208M |
| 1 | KTM250 SX-F (06) Titanium S-Bend for Complete | 005-12906S |
| 1 | KTM250 SX-F (06) Titanium Header | 005-12906H |
| 1 | 8mm Aluminum Spacer | 005-S-8 |
| 1 | Side Panel Spacer | 005-S-13 |
| 1 | 6x25mm Socket Head Cap Screw | 005-SH625 |
| 1 | 6x40mm Socket Head Cap Screw | 005-SH640 |
| 1 | 6mm Flat Washer | 005-WF6 |
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