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2016-17 KAWASAKI KX 450 F

S1R Slip-On Part # 005-4730409-S1

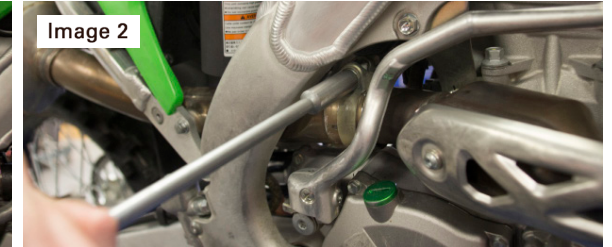


BILL OF MATERIALS

1	Slip Tube	005-47304S
1	Barrel Clamp	005-27-61MSH
2	Springs	005-S45
1	Cap Screw	005-SH830
1	Spring Puller	005-SP
1	Flat Washer	005-WF8
1	Sticker Kit	015-10212

INSTALLATION INSTRUCTIONS

1. Make sure the bike is completely cool before starting the installation.
2. Remove the rear number plate. **(Reference image 1)**
3. Loosen the OEM slip tube clamp. **(Reference image 2)**



4. Remove the Slip Tube bolt. **(Reference image 3)**
5. Remove the muffler bolt and stock slip on exhaust. **(Reference image 4)**



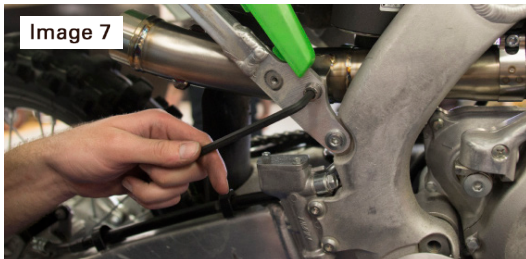
6. Slide the supplied barrel clamp over the TBR slip tube and install the slip tube onto the header. **(Reference image 5)**
7. Loosen but do not remove the lower subframe bolt, this is not necessary but allows for more room to install the exhaust. **(Reference image 6)**



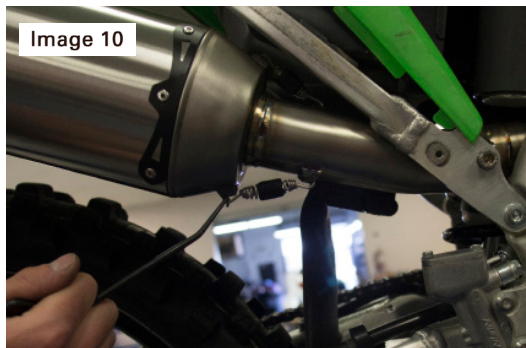
8. Loosely reinstall the slip tube bolt to the TBR slip tube. **(Reference image 7)**
9. Install the S1R Muffler Canister onto the slip tube. **(Reference image 8)**

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 center stand or ideally a service lift during installation. Be sure to save all stock components for possible use later.

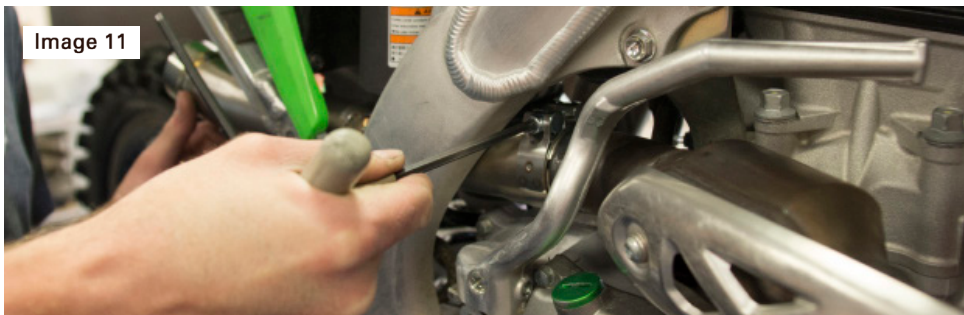
WARRANTY: Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential and incidental damages or any other losses arising from the use of these products or parts.



10. Using the supplied bolt and washer, attach the muffler to the mounting point on the subframe. (Reference image 9)
11. Install the supplied springs. (Reference image 10)



12. Begin to tighten all bolts and hardware on the exhaust, start from the header and work your way back to the muffler. Be sure the exhaust has clearance and fits properly. Note: Be sure to tighten the subframe bolt if you previously loosened it. (Reference image 11)



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 50 to 100 miles, recheck all fasteners for tightness.

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.



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