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401 S. GRAND AVE., SANTA ANA, CA 92705 - (800) 211-2767

2018 KAWASAKI KLX 250

S1R Full System Part # 005-50701-S1B



BILL OF MATERIALS

1	S1R Muffler	Varies
1	22mm Aluminum Spacer	005-S-22A
1	8x40mm Socket Head Cap Screw	005-SH840
1	O2 Sensor Plug Kit	005-92-22KIT
1	Barrel Clamp	005-27-55M
2	45mm Spring	005-S45
1	Spring Puller	005-SP
1	S1 Clamp	005-2C-S1
1	S1 Clamp Liner	005-2C-S1-A
1	Sticker Kit	015-10212

INSTALLATION INSTRUCTIONS

1. Make sure the motorcycle is completely cool before installation, and make sure it is secure on a stand or lift.
2. Remove the side panel and the clamp that holds the stock muffler and header together. **(Reference images 1&2)**

Image 1



Image 2



3. Remove the O2 sensor and the 3 fasteners that hold the stock muffler to the subframe. **(Reference images 3&4)**

Image 3



Image 4



4. Slide stock muffler off of header. Then remove stock header and install Two Bros header using OEM fasteners. Leave these fasteners loose for now to adjust alignment with mid-pipe.
5. Slide the supplied barrel clamp over the end of the header, and then slide the Two Bros Mid-Pipe onto the header. Leave the barrel clamp a little loose for now. **(Reference image 5)**
6. Install the supplied O2 sensor adapter into Two Bros Mid-Pipe. **(Reference image 6)**

Image 5



Image 6



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.

- Slide Two Bros muffler onto Mid-Pipe.
- If you haven't already done so, remove the stock muffler mounting bolt that is threaded in from the back side of the subframe. **(Reference image 7)**
- Slide the Two Bros muffler clamp over the muffler, and then assemble the supplied bolt & spacer onto muffler clamp as shown. **(Reference image 8)**



- Install muffler clamp bolt into subframe where OEM bolt was removed from backside. **(Reference image 9)**



- Install the supplied muffler retention springs, and reinstall the O2 sensor. **(Reference images 10&11)**



- Once exhaust system is aligned, go back and tighten all of the fasteners starting at the header flange and working back toward the muffler, and then reinstall the side panel.
- Double check your work to make sure everything is secure.
- 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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