

Instruction 510-0895

09-09-2022

Version 1

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Printed in the U.S.A.

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Installation Instructions for the KRX 1000 Fuel System Upgrade Kit for 2020-up KRX/KRF 1000

DISCLAIMER:

Many S&S parts are designed for high performance, closed course, racing applications and are intended for the very experienced rider only. The installation of S&S parts may void or adversely affect your factory warranty. In addition such installation and use may violate certain federal, state, and local laws, rules and ordinances as well as other laws when used on motor vehicles used on public highways. Always check federal, state, and local laws before modifying your vehicle. It is the sole and exclusive responsibility of the user to determine the suitability of the product for his or her use, and the user shall assume all legal, personal injury risk and liability and all other obligations, duties, and risks associated therewith.

FOR CLOSED COURSE COMPETITION USE ONLY. LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES IN CLOSED COURSE COMPETITION USE. NOT LEGAL FOR SALE OR USE NATIONWIDE ON ANY FEDERAL POLLUTION CONTROLLED MOTOR VEHICLE UNDER THE CLEAN AIR ACT.

SAFE INSTALLATION AND OPERATION RULES:

Before installing your new S&S part, it is your responsibility to read and follow the installation and maintenance procedures in these instructions and follow the basic rules below for your personal safety.

- Gasoline is extremely flammable and explosive under certain conditions and toxic when breathed. Do not smoke. Perform installation in a well ventilated area away from open flames or sparks.
- If vehicle has been running, wait until engine and exhaust pipes have cooled down to avoid getting burned before performing any installation steps.
- Before performing any installation steps, disconnect battery to eliminate potential sparks and inadvertent engagement of starter while working on electrical components.
- Read instructions thoroughly and carefully so all procedures are completely understood before performing any installation steps. Contact S&S with any questions you may have if any steps are unclear or any abnormalities occur during installation or operation of motorcycle with an S&S part on it.
- Consult an appropriate service manual for your vehicle for correct disassembly and reassembly procedures for any parts that need to be removed to facilitate installation.
- Use good judgment when performing installation and operating the vehicle. Good judgment begins with a clear head. Don't let alcohol, drugs or fatigue impair your judgment. Start installation when you are fresh.
- Be sure all federal, state and local laws are obeyed with the installation.
- For optimum performance and safety and to minimize potential damage to carb or other components, use all mounting hardware that is provided and follow all installation instructions.
- Exhaust fumes are toxic and poisonous and must not be breathed. Run vehicle in a well ventilated area where fumes can dissipate.

IMPORTANT NOTICE:

Statements in this instruction sheet preceded by the following words are of special significance.



WARNING

Means there is the possibility of injury to yourself or others.



CAUTION

Means there is the possibility of damage to the part or vehicle.

NOTE

Other information of particular importance has been placed in italic type.

S&S recommends you take special notice of these items.

WARRANTY:

All S&S parts are guaranteed to the original purchaser to be free of manufacturing defects in materials and workmanship for a period of twelve (12) months from the date of purchase. Merchandise that fails to conform to these conditions will be repaired or replaced at S&S' option if the parts are returned to us by the purchaser within the 12 month warranty period or within 10 days thereafter.

In the event warranty service is required, the original purchaser must call or write S&S immediately with the problem. Some problems can be rectified by a telephone call and need no further course of action.

A part that is suspect of being defective must not be replaced by a Dealer without prior authorization from S&S. If it is deemed necessary for S&S to make an evaluation to determine whether the part was defective, a return authorization number must be obtained from S&S. The parts must be packaged properly so as to not cause further damage and be returned prepaid to S&S with a copy of the original invoice of purchase and a detailed letter outlining the nature of the problem, how the part was used and the circumstances at the time of failure. If after an evaluation has been made by S&S and the part was found to be defective, repair, replacement or refund will be granted.

ADDITIONAL WARRANTY PROVISIONS:

- (1) S&S shall have no obligation in the event an S&S part is modified by any other person or organization.
- (2) S&S shall have no obligation if an S&S part becomes defective in whole or in part as a result of improper installation, improper maintenance, improper use, abnormal operation, or any other misuse or mistreatment of the S&S part.
- (3) S&S shall not be liable for any consequential or incidental damages resulting from the failure of an S&S part, the breach of any warranties, the failure to deliver, delay in delivery, delivery in non-conforming condition, or for any other breach of contract or duty between S&S and a customer.

Contact S&S with any questions you may have if any steps are unclear or any abnormalities occur during installation or operation of a vehicle with a S&S part on it.

- Consult an appropriate service manual for your vehicle for correct disassembly and reassembly procedures for any parts that need to be removed to facilitate installation.
- Use good judgment when performing installation and operating the vehicle. Good judgment begins with a clear head. Don't let alcohol, drugs or fatigue impair your judgment. Start installation when you are fresh.
- Be sure all federal, state and local laws are obeyed with the installation. For optimum performance and safety and to minimize potential damage to carb or other components, use all mounting hardware that is provided and follow all installation in instructions.
- Exhaust fumes are toxic and poisonous and must not be breathed. Run vehicles in a well ventilated area where fumes can dissipate.
- Some factory hardware and components will be reused. Retain all hardware until installation is complete and proper operation has been verified.
- Foreign debris such as dust and dirt can cause excessive wear and possible failure of engine components. Thoroughly clean the vehicle before beginning installation.

Installation Instructions Kit Contents

1. Lay out all fuel kit components.

Fuel Rail Installation

2. Remove the bed. Remove the injectors and fuel rail from the throttle assembly.

Note: Hardware will be reused, take caution not to strip the heads of the shoulder screws.

3. Apply thread sealant to the threads of the supplied fuel damper and install in the end port of the billet fuel rail.
Torque - Fuel Damper: Finger snug plus 1-2 full rotations.
4. Install the Quick-Connect fitting in the center fuel rail port with an aluminum sealing washer. Tighten.

Torque - Fuel Rail Quick Connect Fitting: 180 in-lbs / 20 Nm

5. Carefully insert the injectors into the new fuel rail bore using a twisting motion. Ensure an o-ring has not twisted or rolled in the bore. The connectors should be oriented to the top/front of the vehicle.
6. Install the injector/rail/damper assembly on the throttle body. Gently wiggle the injectors back and forth while tightening the screws. Properly installed injectors should be able to rotate with moderate force.

Torque - Fuel Rail Screws: 31 in-lbs / 3.5Nm

7. Push the fuel line onto the fuel rail fitting and lock the retaining tab.
8. Connect injectors to the wiring harness.



Fuel Filter Installation

9. Remove the passenger seat, seatrails, and fuel pump cover.
 10. Disconnect the fuel line connector and electrical connector.
 11. Remove the fuel pump retainer bolts. Remove the fuel pump from the tank.
 12. Remove the fuel chamber on the bottom of the pump, exposing the fuel filter. Remove the fuel filter.
 13. Using a wire cutter, remove the 2 tabs on the bottom of the pump by the fuel inlet.
 14. Install the upgraded fuel filter, orienting it on the pump locating peg.
 15. Install the fuel chamber.
 16. Place the fuel pump back in the tank. Install the retaining ring and tighten the bolts evenly.
- Torque - Fuel Pump Bolts: 52 in-lbs / 5.9 Nm**
17. Connect the fuel line and electrical connector. Ensure the locking tab on the fuel connector is fully depressed.
 18. Install the seat and rails. Tighten Bolts.
- Torque - Seat Rail Bolts: 180 in-lbs / 20 Nm**
19. Cycle the key to build fuel pressure. Check for fuel leaks. Address any leaks present before starting the vehicle.
 20. Re-install the bed.