

Sparks Racing Fuel Injector Wire Repair Kit, Polaris RZR 1000 XP

Congratulations on your purchase of the Sparks Racing Fuel Injector Wire Repair Kit. We, like many RZR owners, have battled the OE injector wiring issues since day one. Once we realized even the OE repair kit wasn't a sure-fix, we started developing a more reliable option. There are several features of this kit you will not find anywhere else in the industry, everything from the type of wire we use to the type of connector has a purpose and help ensure the problem is resolved.

IMPORTANT: It is critical these instructions are read and understood completely. All steps must be done in the sequence specified.

Bill of Materials

- (1) Injector Wiring Harness assembly
- (2) Pieces of 3/32 X 1.5" heat shrink tubing
- (1) Piece of 1/4 X 1.75" heat shrink tubing

Tools Required:

Wire Cutters Wire Strippers Heat Gun Soldering Iron Solder Tape Measure
Electrical Tape

Installation Instructions:

1. Confirm the ignition switch is in the OFF position
2. Unplug the connector from the fuel injector. It may be necessary to press the connector in before pressing on the lock.
3. Cut the injector 1.375-1.5" out from where it enters the main harness bundle. Remove harness tape from injector wires
4. Trim the new connector wires to the desired length making sure they will reach the injector once the installation is complete
5. Strip a approximately .5" off of the new wires and factory harness wires
6. Install the supplied shrink tubing over the wires
7. Use the table below to identify the factory harness wires to confirm the proper connections are made with the new wires. The harness # tag can be found under the hood on the diagnostic port harness
8. Overlap the stripped portion of the wires and solder in place making sure to keep the shrink tubing as far away from the solder joint until it cools ***Introducing too much heat and/or solder into the wire can damage the wire casing and wire making it brittle***
9. Slide the shrink tubing into place, and, using a heat gun, apply even heat to the shrink tubing until it is uniformly collapsed
10. Wrap the full length of the injector wires with electrical tape
11. Zip-tie the repaired wires in the factory locations making sure the wires are not too tight to allowing for movement during operation

Harness #	Harness Name	Connector Name	Connector Pin #	Circuit Name	Chassis Wire Color	Kit Wire Color
2412277	Harness-Chassis, EPS, RZR 64	PTO Fuel Injector	1	E243	WH	BK
			2	REB	RD/DB	WT
2412568	Harness-Chassis RZR4	Mag Fuel Injector	1	E244	BK	BK
2412693	Harness-Chassis, EPS, RZR EU 64		2	REC	RD/DB	WT

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