



## POLARIS RANGER RZR "S" INSTALLATION INSTRUCTIONS

**PLEASE READ INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION**

### Kit includes

- |                        |                            |
|------------------------|----------------------------|
| 1 Dual aluminum flange | 1 1 piece left pipe        |
| 1 2 piece right pipe   | 1 2 piece silencer bracket |
| 1 Right Silencer       | 1 Left silencer            |
| 2 Port couplers        | 2 Spark Arrestors          |
| 1 Bed Heat Shield      | 1 fuel rail assembly       |
| 2 pipe heat shields    |                            |

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### Hardware Kit:

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|--|---|
| 1 - fuel injection controller – if ordered | 2 - 8 x 25mm bolts                                |
| 6 – springs                                | 10 - 5/16 flat washers                            |
| 4 - spring clips                           | 1 - 5/16 lock washer                              |
| 2 - 8 x 60mm bolts                         | 5 - 8mm nyloc nuts                                |
| 1 - 8 x 40mm bolts                         | 1 - 8mm male/female rubber mount                  |
| 2 - spring clips already on silencers      | 1 – 1/4-20 x 1/2" long bolt w/ flat & lock washer |
| 5 clamp-on heat shield mounts              | 2 10mm x 70mm upper shock bolts                   |
| 2 10mm flat washers                        | 2 7/8 x 1/4 thick spacers                         |
| 1 5/16-18 bumper                           | 1 5/16-18 nut                                     |

### REMOVAL:

You will have to remove the following items to install your new Looney Tuned Exhaust system. Remove the rear roll bar section. Remove both seats, and then the four torx screws behind the seats, the four bolts in the center of the bed, then the four torx screws around the tailpipe, the 3 torx screws on each side of the bed, next unplug the tail light connector underneath the left side of the bed and carefully remove the bed from the UTV. Then remove the complete stock exhaust and retain the flange bolts, the stock port gasket,( Replace if needed) the stock springs and rubber bumpers attached to the stock exhaust.

### Fuel Rail

To install your new high flow fuel rail simply remove the quick disconnect fuel line from the stock rail. Remove the allen bolt in the center of the stock fuel rail, (Hold down on injectors to keep them in the cylinder and just remove the rail) and remove from car. Remove the remaining quick disconnect cap from the stock fuel rail and install onto your new fuel rail. Apply a little grease into the cups on the billet rail to allow the o-ring on the injectors to slide in. Install your new rail into the car with the stock mounting bolt and washers. Re-attach the stock fuel line onto the rail. Make sure the fuel line and test port cap are all the way on and secure with the locking clip as they were stock.

### INSTALL:

Install your new billet flange with the port couplers installed and attach to the cylinder using your stock flange bolts (place 1 spring tab and lock washer onto each bolt before threading through the flange and into the cylinder. See pic #1). Torque to 13 ft lbs. Locate the 2 heat shields, and clamps in the box and install onto the long pipe. (See pic 2). Install the one piece pipe with the heat shields into the front cylinder port coupler by sliding it through from the passenger side of the UTV and underneath the bed frame (see pic#2).

Install the header portion of the remaining pipe into the rear cylinder port coupler and attach to the other pipe via the welded tabs and supplied bolt, flat and lock washer. (Leave loose at this time) Install all four springs from the headers to the flange (see pic #1).

Locate remaining mid pipe and male/female rubber mount. Install the rubber mount onto the mid pipe bracket and secure with the supplied hardware. Next spray WD-40 onto the slip joint and install the mid pipe onto the remaining header (see pic#3). Attach the supplied bolt, flat and lock washer through the OEM hole in the frame to the rubber mount.

**Remove the bolts that retain the sway bar to the upright rod on each side, and flip around with the nut to the outside of the car to keep it from hitting the silencer upon spring compression,** (pic#6) Spray WD-40 onto the ends of each pipe and slide the silencers on with the Logo facing towards the outside of the UTV. (See pic#4) Using a jack or lift raise the rear of the car just enough to take pressure off the rear shocks. Remove the upper shock mount bolts and replace with the supplied 10mm x70mm bolts and washers, (re-use the stock shock mount flange nuts). Remove the oem hardware where the aluminum bracket mounts on the top of the frame. Install the silencer brackets onto the rear of the shock mount with one 7/8 x 1/4 spacer between the frame and the aluminum bracket on each side. Remove the car from the lift or jack Mount the brackets to the frame and silencer with the supplied hardware (see pic#5).

Install 1 spring per side from the silencer to the mid pipe. Locate the rubber bumper you removed from your stock exhaust and thread into the brackets at the end of the pipe. Thread the bumper out enough to touch the frame, and tighten the locking nut. Secure the pipe to the frame with the stock springs in the same fashion as stock exhaust. Locate the remaining bumper in your hardware kit and 5/16-18 nut. Thread the nut all the way onto the bumper and install onto the remaining pipe. Setup and secure to the frame in the same fashion as the previous pipe. (see pic# 4 ).

Recheck all hardware from the cylinder to the silencer being sure all are tight and secure. Drill a 1/2" hole in your stock frame to bed heat shield (see pic# 6 ) to clear the head of the rubber mount hardware. Then install supplied bed heat shield (see pic# 6). Tape your stock heat shield to your bed as it was stock. Re-install the bed assembly, the seats and double check that all hardware is secure.

Before your first ride, be sure all of your new exhaust components are free of oil and fingerprints as it will darken when it becomes hot. Check for leaks. If you find any leaks apply a small amount of high temperature silicone to seal it. Re-check all hardware and silencer packing every 15 to 20 hours of riding.

**F1 note: Torque spec for header flanges 13ft pounds. Improper tightening of header flanges will not be covered under WARRANTY.**

**JETTING SPECIFICATIONS: Jetting Specs provided are for a stock motor with a Looney Tuned Exhaust System at sea level. Other performance modifications to your bike usually require changes in jetting. Final jetting is the customer's responsibility**

### **WARNING!**

LOONEY TUNED EXHAUST DOES NOT TAKE RESPONSIBILITY FOR DAMAGE THAT MAY OCCUR DURING OPERATION OF YOUR VEHICLE UNDER IMPROPER JET SETTINGS. IT IS THE FINAL RESPONSIBILITY OF THE OWNER/RIDER TO ADJUST JETTING TO SPECIFIC RIDING CONDITIONS AND ELEVATION BEFORE RIDING.

### **QUIET CORES:**

Quiet cores are an option. If you ordered them with this kit they come not installed. To install the quiet cores remove both rear end caps (turn downs) and install the quiet cores with the tubes facing inward. Re-install the end caps.

### **Silencer Packing**

We recommend checking you're packing every **15 to 20** hours of riding. As your decibel level will increase and without the packing will damage the internals of your silencers. No Warranty will be given for failure from lack of maintaining.

**FIRST RIDE:** Before taking your RZR for the first ride make sure **NO WIRES ARE TOUCHING THE EXHAUST**. Your first ride with your RZR after installing your new exhaust system should only be 15-20 minutes. Then let your system cool and re-tighten all the bolts and clamps.

Pic 1



Pic 2



Pic 3



Pic 4



PIC 5



PIC 6



**IMPORTANT MESSAGE—PLEASE READ AND UNDERSTAND!**  
**WARRANTY LIMITATIONS**

Looney Tuned Exhaust (LTE) warrants only to the original purchaser the equipment purchased is free from defects in material and workmanship under normal use and service. Components of the equipment are supplied to LTE by others and LTE warrants such components to the purchaser only to the extent that such components are warranted to LTE by the supplier. LTE's obligation under this warranty shall be limited to the repair or exchange of any part or parts which may thus prove defective under normal use and service within one year from date of invoice and which LTE examination shall disclose to LTE's satisfaction to be thus defective. This warranty is expressly in lieu of all other warranties expressed or implied and of all other obligations or liabilities on our part and LTE neither assumes, nor authorizes any other person to assume for LTE any other liability in connection with the sale of this equipment or any part thereof which has been subject to accident, negligence alteration, abuse or misuse. LTE makes no warranty what so ever in respect to accessories or parts not supplied by LTE. The term "original purchase", as used in this warranty, shall be deemed to mean that person for whom the equipment is originally invoiced. This warrant shall apply only within the boundaries of the continental United States.

The remedy defined in this statement shall be the Purchaser's exclusive remedy against Looney Tuned Exhaust (LTE).

In no case shall Looney Tuned Exhaust (LTE) be liable hereunder for any consequential Damages.

**THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, WHICH EXTEND BEYOND THE FACE OF THIS STATEMENT.**

**Please be sure that no hoses or wiring will vibrate or lay against the exhaust before you take off for your first ride!!!!**

**AND**

**Don't forget to check your silencer packing!!!!!!!**