



**2011 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:**

- |                                            |                                               |
|--------------------------------------------|-----------------------------------------------|
| 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 – ¼-20 x ½” 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 ¼ thick spacers                       |
| 1 5/16-18 bumper                           | 1 5/16-18 nut                                 |
| 4 8x1.25x25 Flange head bolt               |                                               |

**REMOVAL:**

You will have to remove the following items to install your new Looney Tuned Exhaust system. 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 from the car.

**INSTALL:**

Remove the upper bolts from the rear sway bar and flip them around so that the nut is on the tire side of the sway bar, Damage to the silencers will occur if this is not done. 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 ¼ 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#1).

Install the rear cylinder head pipe first using your stock exhaust gasket and the supplied 8mm x 25mm flange head bolts. Do not tighten. Attach the passenger side mid-pipe to the rear head pipe, a small amount of penetrating lubricant can make this a lot easier. Install the rubber mount to the passenger side mid-pipe using 8mm nyloc nut and washer, Attach to the frame using the 7/8” x 1” spacer and 8mm x 70 mm flange head bolt (see pic #2)do not tighten.

Install the front cylinder head pipe to the engine using supplied 8mm x 25mm flange head bolts. Do not tighten. Loosely install the fuel rail heat shield and airbox heat shield to the driver side mid-pipe as shown in pic#3. Attach driver side mid-pipe to front head pipe (see pic #3) a small amount of penetrating lubricant can make this a lot easier.

Install the supplied rubber foot, spring tab, and 5/16” nuts to the driver side mid-pipe as shown in pic#4, do not install the spring yet, do not tighten.

Install the passenger side silencer using the supplied 8mm x 25mm flange head bolt, 8mm nyloc nut and washer. Repeat this step for the driver side silencer. Do not tighten.

Making sure nothing on the exhaust is tight or bound up, install the supplied springs starting at the silencers and then the slip joints, finally the spring on the driver side mid-pipe.

Check to make sure the silencers are parallel to each other, if needed adjust the height of the rubber foot on the driver side mid-pipe. When the silencers are parallel check to make sure they are at the same height, adjust by moving the silencers up or down in the groove in the silencer brackets. Once you are satisfied with the height tighten the silencer bolts, the mounting bolt for the passenger side mid-pipe, and the head pipe flange bolts (13lbs/ft)

Check the alignment of the heat shields (see pic#3) and tighten clamps first then mounting bolts.

Stick the 7 pieces of foam to the frame as shown in pic#5. Place the bed heat shield over the frame with long end to the front of the car (see pic#6) Place the bed back on the car and line up the 4 bed bolts with the bed heat shield and then the frame. Install the rest of the bed hardware and seats.

**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.

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

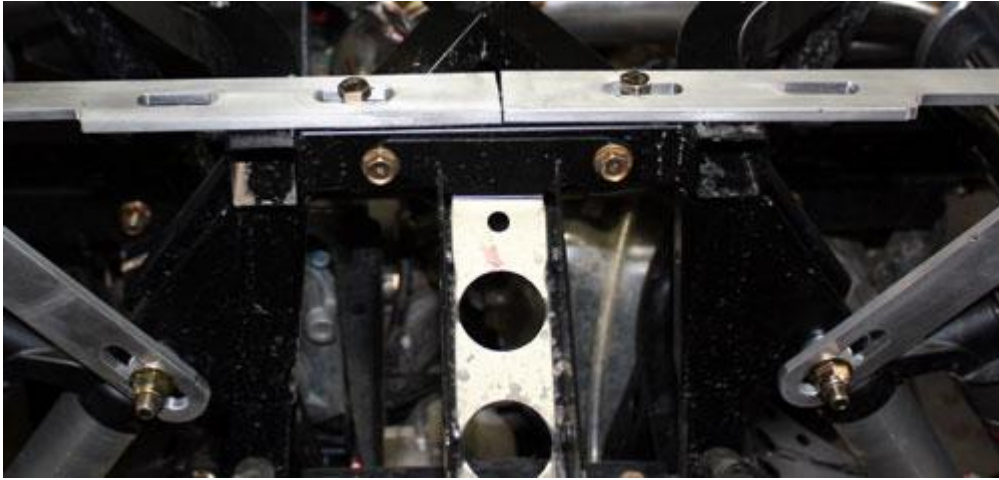
**QUIET CORES:**

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.

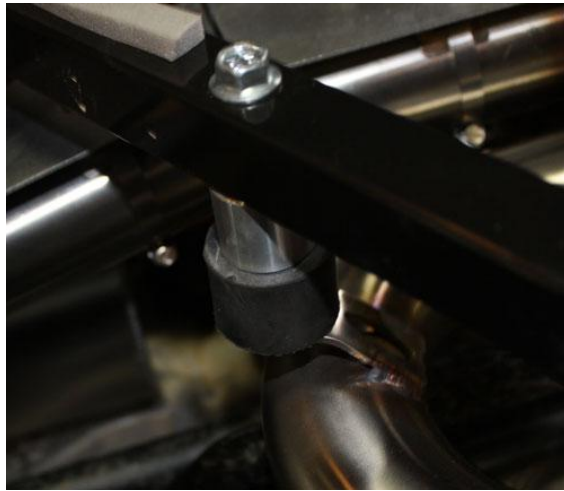
**Silencer Packing**

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.

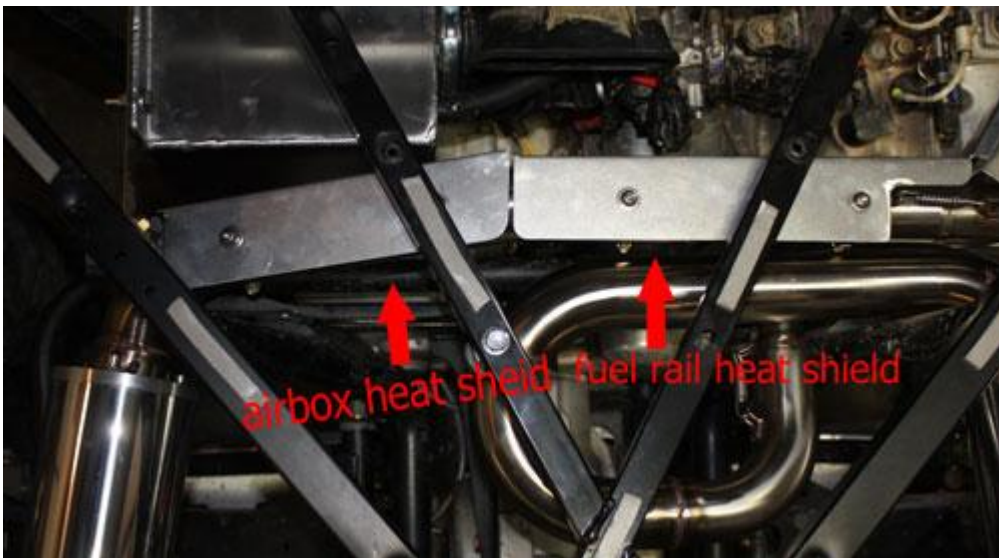
Pic 1



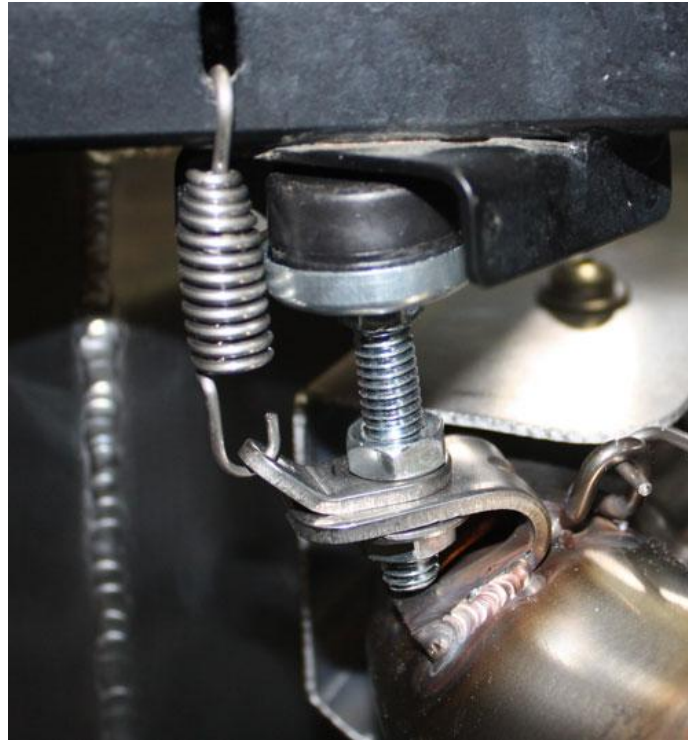
Pic 2



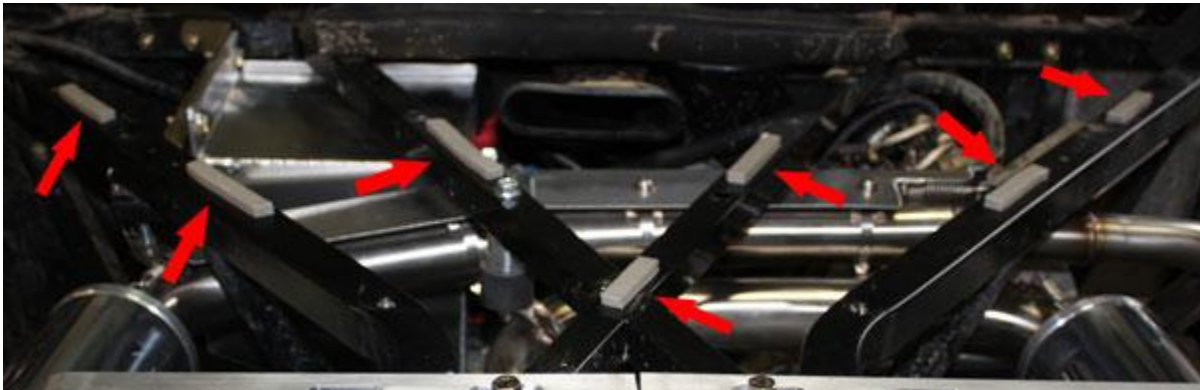
Pic 3



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!!!!!!!**