



DS 650 INSTALLATION INSTRUCTIONS

PLEASE READ INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION

Remove the battery. Remove the regulator mounted to the bottom of your stock air box. Remove the stock air box (including snorkel). Cover the opening of the carburetor with duct tape so that no debris enters the carburetor during installation. Remove the rear fender assy. Remove the rear portion of the stock exhaust. Remove the headers, while retaining your stock flange nuts. Remove the starter solenoid mounted to the back of the battery box. Unplug wires (remember where they go), and pull solenoid out to the tire side of battery box. Leave hanging at this time. Take left side cut pattern and mark where the gussets need to be trimmed.

“Suggestions for material removal”

Using a right angle die grinder to remove the material is best, **Be** careful not to hit surrounding frame tubes with the grinder.

After trimming and clean-up is finished.

Pipe Mounting:

Slide left chamber through the trimmed hole, small end first from the rear. Loosely mount the chamber to the frame with the hardware you removed from the stock air box. Slide silencer on the chamber all the way. Using the supplied aluminum spacer and hardware, mount to the rear most bumper bolt. Tighten the silencer mount and the chamber mount. Place the supplied stainless steel clamp on the chamber first, and then install the header into the cylinder and the chamber at the same time. Tighten the cylinder nuts first, and then place clamp over the slots on the chamber and tighten.

Remove the grounds on the right side of the frame (where you need to trim) and move them out of the way. Trim frame as per template and mount pipe and header in the same fashion as the left side. Remount both grounds to the upper hole with the stock hardware. Remove some of the paint around the hole to insure proper grounding.

Regulator Mounting:

Place the regulator over the stock battery bracket. Center the regulator and mark the holes for drilling. **Be sure the holes are only drilled through the metal and not through the rubber**, so the head of the bolts will not cut into the battery. Install the battery and secure with the bracket.

Starter Solenoid

Move wires and zip tie above battery box to the frame rail behind it and secure. Zip tie the solenoid to the frame rail you just cleared, with the terminals facing outward. Reinstall the terminals you unplugged earlier to their factory locations. Zip tie the positive cable to the frame and route back to the battery. Attach the positive cable to the battery and then the negative.

The brake light switch wires should be routed over the right chamber and zip tie to the frame so they will not touch the chamber.

Remove the cable running to the starter on the left side of the ATV, route under the oil line and re-attach to the starter. Place a zip tie to pull it back from rubbing on the exhaust.

On the under side of your rear fenders you need to trim off approximately 3" of the plastic that your owners manual resides. Install rear fenders as you removed them.

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.

Remove Carburetor, replace the stock main Jet with the supplied 200 main jet. Replace the stock needle with the supplied needle, place the clip on the 4th groove and re-install into the carburetor. Re-install the carburetor to the motor. Place the K & N filter and outer-wear (if purchased) onto the carburetor angled down and tighten.

BEFORE YOU START THE ATV CHECK THAT ALL BOLTS ARE TIGHT. BE SURE THAT NO WIRES OR HOSES ARE TOUCHING THE EXHAUST.

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.

Your first ride of your ATV

After installing your new Exhaust system, your first ride should only be 15-20 minutes. Then let your system cool and recheck all the bolts and clamps. Small exhaust leaks will lean out your jetting, so be sure every joint is sealed well.

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.

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 LE 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!!!!!!!





