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Gen 2 Renegade Radiator Relocation Kit Installation Instructions.

IMPORTANT!!!

This kit only works when used in conjunction with the **FACTORY** front bumper as pictured below (color may vary).



Make sure to clean your ATV very well, this makes for a much easier job.

REMOVING THE RADIATOR FROM THE MACHINE

With a drain pan below the ATV, remove the stock LOWER rad hose from the radiator and drain the Antifreeze



Remove the upper central plastics and the snorkel cover/horn



Loosen the four 13mm bolts and remove front bumper



With bumper removed you can now access the two 10mm bolts and nuts that support the radiator. Refer back to bumper removal bolts to see location.

Unplug fan and disconnect upper radiator hose.

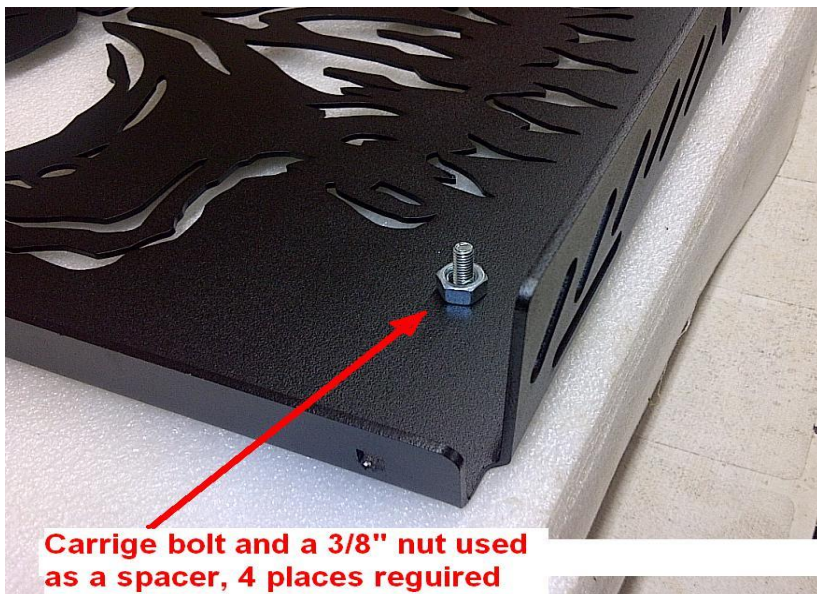
Gently pull up on the front of the plastics . That will allow enough room to slide the radiator and fan assembly out of the frame.

REINSTALL FRONT BUMPER BEFORE GOING any further

This is the BEST time to clean your radiator and get all the deep packed in mud cleaned out for best cooling before remounting. Remove the fan assembly from the radiator before cleaning the rad. I personally lean the radiators against a tree and spray them with a regular garden nozzle from both sides flipping it back and forth until I can see through ALL of the radiator. Air Conditioner cleaner or aluminum rim cleaner also works great to really break up the dirt and get it looking good again.

ASSEMBLING & INSTALLING THE RADIATOR INTO THE KIT

Place the four 1" long carriage bolts through the 4 square holes on the front of the face plate and lay it face down on a soft surface so you don't scratch your new kit. Place the four 3/8" nuts onto the 4 carriage bolts and then place the radiator onto these 4 carriage bolts, the 3/8" nuts are just used as spacers to lift the radiator away from the face plate.



NOTE!

If you ordered an OPTIONAL background screen with your kit, it would be placed directly against the back side of the face plate BEFORE you set the four 3/8" spacer nuts in place. The screen can tend to vibrate and make a slight rattling noise so it is suggested to use a few spots of silicon or something similar to act like a glue to stick the screen to the face plate, this will eliminate the vibration sounds of the screen against the face plate.

Place 4 washers onto the bolts as pictured

Use 4 of the nylock nuts to secure the radiator to the back side of the face plate as pictured. There are slots on the bottom of the face plate to fit a wrench though so you can tighten the nuts that secure the radiator to the face plate on the bottom of the radiator, see picture below.

Re-attach the fan assembly to the radiator

Bolt the sides of the rad kit to the face plate with the 3/4" long carriage bolts, 4 washers and 4 nylock nuts. It is easier to mount the face plate to the radiator before attaching the side bracket panels,

The fan plug wire will **NOT** to be extended for this kit, the original fan plug wire is long enough to be re-connected without lengthening it.

Bolt the kit in place on the factory bumper using the supplied u-bolts.

Routing the hoses from the bottom!

Cut approximately 5 inches off of **upper** radiator hose and install a supplied 90 degree fitting into the upper hose. At that time you will see exactly where to cut your notch or drill a hole in the upper plastic for this hose





For the lower hose you will need to cut it also. On the frame you will see a support that holds the lower hose in place. Cut the lower hose a couple inches past that and install another 90 degree fitting



After installing the 90 connect approximately 2 foot of the supplied hose to run back up to the radiator as seen in photo above. At that point you will be able to see exactly where to mark the upper plastic to make your hole for the hose.

Install another 90 then a short piece of hose to the radiator.



Now that you have test fit everything you will see that notching the plastics for the hose has made it possible to put everything together with the hoses attached to the radiator.

Now with your plastics still off remove upper radiator hose and fill radiator with coolant until it flows back out of the upper hose. Reconnect hose and fill coolant reservoir. At this point you can start your atv and run until the cooling fan comes on . Make sure coolant is topped off at proper level. Be sure to check on your coolant level before and after each ride to make sure it was completely burped and free of air blockages.

Below is a pic of one option for connection the UPPER hose for a more stream line look. I small factory section of hose was used for the connection to the radiator so it will not kink.



You can now reinstall the snorkel horn and other plastics. Maybe a little tough to do it with hoses connected but it is possible to be done.