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Polaris Sportsman 500 Rad Relocation kit Install

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

With a drain pan below the ATV, remove the stock hoses from stock radiator and drain the Antifreeze and unplug the fan. Removing the front rack and/or other plastic shrouds might make this an easier job.

Un-bolt and remove the radiator from the machine, keep in mind that this is the BEST time to clean your radiator and get all the deep packed in mud cleaned out for best cooling before remounting. Air Conditioner cleaner or aluminum rim cleaner works great to really break up the dirt and get it looking good again.

Assemble the new RDC Rad Bracket with the 3/4" carriage bolts and place it on the front rack, to choose the perfect mounting location (if you have a 2004 ATV the bracket will bolt into stock mounting holes for your front rack). Using the 2 long carriage bolts and the 2 aluminum spacers, mount the radiator in the Bracket but do not tighten the rad to tight just yet. You will have to drill holes in the lid of the stock storage box (2005 to 2007 models) to bolt the bracket in place, as well as holes for the new extended Rad hoses, just make sure the bracket location is good and the holes you will need to drill for the new hoses will not interfere with anything you cant drill/cut holes through. Mark your hole locations and remove the bracket and cut/drill all of your holes and then mount the bracket with Radiator installed.

Use the supplied hose, barbs and hose clamps to reconnect the stock hoses to the radiator in the new RDC Bracket.

Using the supplied wires you will need to extend the fan plug (05+ models) by cutting the wire and splice in the new longer wire. It is a good idea to secure the wires so they do not get hung up on anything while riding

You now need to tighten EVERYTHING, the RDC bracket to the front rack, and the rad in the bracket. Once everything is tight you can moved the stock overflow bottle up to the bracket as well and then refill the radiator.

Burping the radiator may be required to ensure proper cycling of the coolant. This can be done by letting the ATV idle with the radiator cap off, and massaging the radiator hoses to try and work out any air blockages, once all the air bubbles have come out of the radiator cap, re-fill and you are ready to go. 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.

