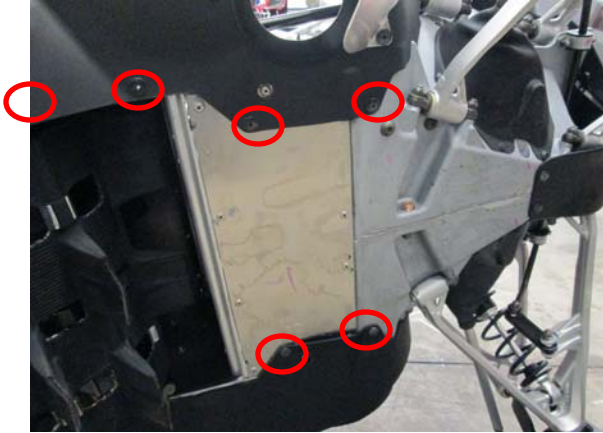


BoonDocker

2016-2017 Polaris Axys Water To Air Installation Instructions



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1. Tip the snowmobile onto the left side. Drill out the four rivets anchoring the right lower side panel. Also drill out the two rivets anchoring the left lower side panel.



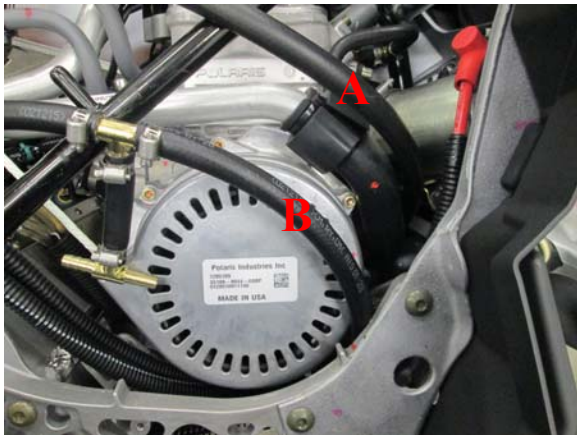
2. Bend the right lower side panel upwards out of the way. Drill out all of the rivets on the bulkhead panel. Pry the left lower side panel outward to access the lower rivets.



3. Use a torch to heat the glue on the edges of the panel. Use pliers to pry the panel off the bulkhead to expose the access chamber.



4. Place the radiator in the opening with the coolant hoses facing towards the nose of the sled. The coolant hose with the brass T should be on top (right side of the sled).



5. Route the longer coolant hose (A) without the brass T on the inside of the motor mount. Route the coolant hose with the brass T (B) on the outside of the motor mount.



6. Install the new bulkhead plate over the radiator. Install several rivets between the plate and bulkhead to align the plate. Then rivet the radiator to the plate.

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7. After installing all of the rivets for the radiator to the plate, finishing riveting the plate to the bulkhead. Install the new rivets for the lower side panels. Turn the snowmobile back upright.



8. Cut the coolant line coming from the turbo that attaches to the coolant bottle.



9. Attach the cut line from the turbo to the bottom of the T in the line leading to the radiator. Hose clamp the line to the T.



10. Attach the cut line from the coolant bottle to the top of the T in the line leading to the radiator. Hose clamp the line to the T.



11. Attach 3" hose from water pump to brass tee coming from the bulk head radiator. Tighten hose to tee with clamp.



12. Install the lightweight intercooler using the 3" x 2" silicone and #32 hose clamps. Do not tighten yet.

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13. Slide the top of the inner-cooler into the rubber 90 coming from the air box. Make sure to slide into 90 and make sure silicone 90 is not kinked.



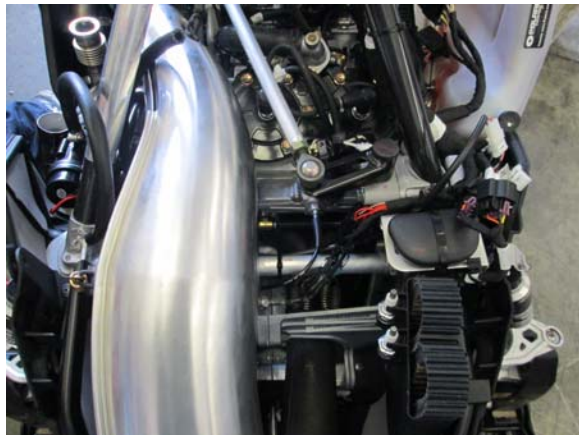
14 Route the long hose from the PTO Side of bulk head cooler to lower fitting on the water cooler and tighten hose clamp



15. Zip tie water pump hose as shown to secure pump. Make sure not to over tighten zip tie, putting excess pressure on plastic water pump fitting.



16. Route the long line from water pump along over structure and zip tie as shown.



17. Run the electrical wire from pump under the exhaust along the brace toward PTO side of the snowmobile. Plug wire into loose terminal labeled DC power found in stock electrical cluster.



18. Make sure the electrical terminal from coolant pump is plugged into the "DC Power" terminal. Zip tie the electrical cable appropriately along the brace.

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25. Swivel brass fitting upward slightly.



26. Add coolant to bottle. Make sure fluid level remains above the hose outlet on the bottle that connects to the turbo and pump.



27. Hold the hose at the same level as the brass fitting. Blow into the over flow hose slowly until coolant is coming out of the hose and fitting at the same time, add coolant as needed.



28. Attach the hose to the brass fitting and tighten. Rotate the brass fitting back parallel to outlet pipe.



29. Use a 12 volt battery and power the pump to ensure water is pumping. You should be able to hear the pump running, let the pump run for 30 to 45 seconds.



30. The Water to Air Intercooler system is now installed. Ensure coolant level is within range as indicated on bottle throughout use.