

Parts List

Item	Qty
Radiator & Fan Assembly	1
M6 rubber isolators	2
M6 flanged nuts	2
M6 bolts	2
Isolator drill template	1
Hose Clamps	4
28" radiator hose	1
17" radiator hose	1
2" radiator hose	1
Black zip ties	2
Wiring kit	1
Grate/grill mounting screws	2
Iqs box relocate plate	1
Rivets for relocate plate	4

Sidewinder Radiator Installation Instructions

1. Remove hood and then proceed to remove the factory intercooler guard & nose cone.
2. Remove the plastic panel in front of the fuse box. Remove the fuse box from the holder and then drill the rivets to remove the fuse box mounting bracket. Pull fuse box out of way towards the clutch side of the sled for the time being. It will get secured later.
3. Next loosen the hose clamps to the intercooler hoses and slide the hoses off. Remove the hardware that secures the bumper support brackets to the bulkhead and bumper. Once hardware is out remove the whole intercooler with bumper support brackets as shown below.



4. If your sled is equipped with iQS shocks remove the brain box from the factor mounting plate and discard the plate. Use the supplied plate as shown below and mount the box to the underside of plate.



5. Attach the isolators to the front mounting plate of radiator assembly. Isolator stud goes through the slotted hole on mounting plate. Do not tighten the nuts real tight as the isolators need to be free to float initially.
6. Next set the radiator and fan assembly into place. The rear mount will self locate on the horizontal cross tube of subframe. Situate the isolators so they sit flat on the bumper attachment plate as shown below. Both isolators should be tangent to the crease in the front of the bumper support plate. Snug up the nuts so isolators stay in place and then trace around isolator with a sharpie marker the best you can. These marks will serve as a guide to locate a template in next step.



7. Remove the radiator assembly. Align the isolator template with the markings made in step 6. Once template is in place tape it on and center punch the center of each isolator. Remove the template and drill a $\frac{1}{4}$ " hole through each center punch mark.
8. Reinstall the radiator assembly. Secure the isolators to the bumper support plate with the M6 bolts provided. Secure the rear mount to the tube with a hose clamp on each side as shown below.



9. Next remove the frame spar marked with yellow "x" in photo so the main wire loom can be routed as shown in photo. From factory the loom is under the spar.



10. Next mount the fuse box next to the radiator as shown below. You can rivet the bracket to the black plastic.



11. Drain some coolant and remove the small connector hose that runs from the front of thermostat/fill housing to the aluminum coolant elbow. Pull the thermostat housing outward towards the overflow tank and then hook the 17" long hose to it and route it under the frame spar up to the clutch side fitting on radiator. Hook the 28" hose to the aluminum coolant elbow on chassis and connect to throttle side fitting of radiator. (Please note this photo shows the 17" hose on top of frame spar. Be sure to route it under as instructed above for best hood fitment)



12. Ensure all clamps are tight and then proceed to add coolant via the oem coolant cap. Add coolant until it is topped off.
13. Re install the intercooler and support brackets. Be sure to tilt the intercooler forward so it clears the radiator.
14. Next insert the 2" hose between radiator and intercooler and use zip ties to secure it.



15. Once intercooler is installed set the hood next to sled and plug it back in so the sled can be run. Start the sled and let it get up to temperature. Check to ensure all hoses get hot and coolant is circulating. Coolant will flow as follows: thermostat housing to clutch side of radiator to clutch side of tunnel cooler to throttle side of tunnel cooler to front tunnel cooler. Check all connections for leaks.
16. Let sled cool down and then top off coolant if needed.
17. Next, the nose cone gets trimmed as shown along orange lines. Measure 1" down from crease line on both sides and at top center. On the sides taper the cut line to the bottom corner. The trimmed nose cone should look like second photo below when finished.





18. Trim the grate insert as shown. Line up the bottom mounting hole of the grate and the backing mesh and secure them with a screw on each side as shown. Drill small pilot hole through the two pieces.





19. Proceed to install the modified nose cone and grill assembly.
20. Wire up the fan using the supplied wiring harness. Use the photo below as a guide.



