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This snorkel kit is intended to provide clean, dry air to the engine, belt housing if equipped, and other parts needing venting on ATVs/UTVs, but does not necessarily mean the ATV/UTV can exceed the OE manufacturer's stated maximum rated water line depth. The snorkel kit is intended only as an additional margin of protection in the event that the ATV/UTV is inadvertently driven into water deeper than the OE manufacturer's air intakes will tolerate. There are many considerations to make when increasing water line depth and a snorkel is just one component

This snorkel kit is NOT intended for riding in water deeper than what the OE manufacturer of your ATV/UTV recommends. Riding in water deeper than stated by the OE manufacturer is dangerous possibly causing the driver of the ATV/UTV to ride unexpectedly into deeper water subjecting the driver and/or passengers to serious injury or death. Riding in water deeper than stated by the OE manufacturer can also cause complete failure of the ATV/UTVs engine. OE manufacturers will almost certainly void any warranty on the ATV/UTV if a snorkel is, or has been installed at the time warranty service is sought.

It is the installer's responsibility to verify all components and particularly that any templates are correct before starting any part of the snorkel installation. The snorkel should be installed by a professional mechanic or one who is by experience fully competent with snorkel installation. Please note this is a custom installation and you may want/need to modify for your particular installation and additional items may be needed to install. Any snorkel, even those properly installed can and possibly leak under certain conditions causing catastrophic engine failure. The ATV/UTV owner should frequently check components for wear and tear and look for any signs of leaking at the joints. **THERE IS NO WARRANTY OR RETURN OF THIS SNORKEL, NOR IS THERE ANY WARRANTY ON DAMAGE DONE TO AN ATV/UTV AS A RESULT OF THE INSTALLED SNORKEL REGARDLESS OF WHOM PURCHASED OR INSTALLED THE SNORKEL.** If you are the dealer or installer it is your responsibility to inform the user of this warranty and dangers of riding in water deeper than the OE recommends.

When using this product, your vehicle will be modified to increase performance. Whenever a modification is done to an ATV/UTV, you change the performance of the vehicle including fuel system, handling, braking, and steering. You should always drive safely and avoid any maneuvers that would cause harm, serious injury or death to the driver or passengers. This product is manufactured only for off-road use.

When installing the snorkel kit, you are altering the airflow to the carburetor/throttle body and a jet kit or EFI programmer may or may not be required once the kit is installed.

ALL SALES OF SNORKEL KITS ARE FINAL – NO RETURNS, NO EXCEPTIONS.

NOTE: Make sure that you seal your air box with dielectric grease or silicone. This is very important in preventing water from getting into the air intake system.

BEFORE STARTING:

Ultra Black Brand Silicone, Medium Silicone, and dielectric grease are optional to use for preventive maintenance.



BHF-14-ST
(2ea)



BHF-R-14316-ST
(2ea)



SK-BT-R-14316 (1ea)

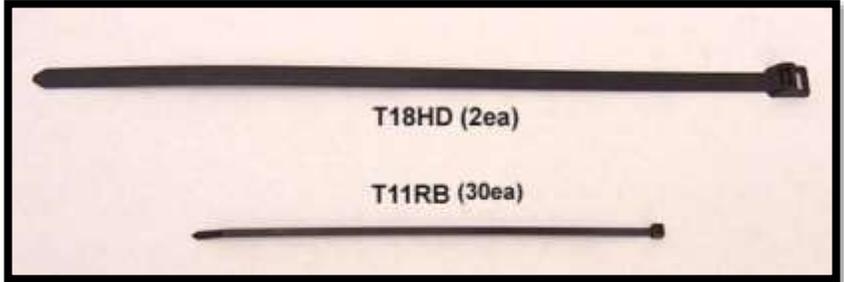


PTS1034P (9ea)



80Q (1ea)
Cup Holder
Bracket

51T (1ea)
Cup Holder
Relocation Bracket



T18HD (2ea)

T11RB (30ea)



78J (1ea)
Air Intake Silicone
Hose

78K (1ea)
Riser Silicone
Hose



SK-P-250 (1ea)
2"x16.5" Pipe

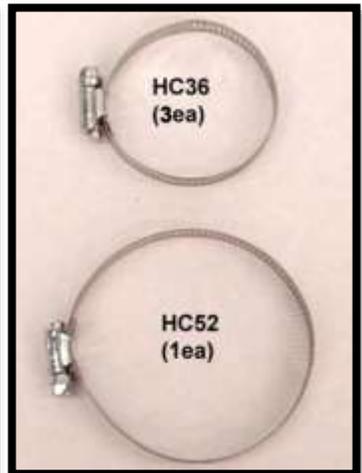
SK-P-252 (1ea)
2"x3.5" Pipe



Riser Cap (1ea) 43R



SK-VT-1
(25FT)



HC36
(3ea)

HC52
(1ea)

Installation Instructions

1. Open the hood and locate the fuse/air intake/ hood support cover. The 2017+ models have an updated cover, but the installation will be the same.



2. Remove the cover and foam intake filter.



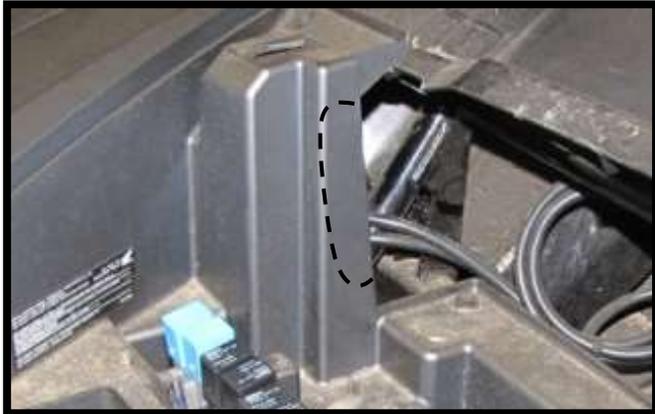
3. Remove the passenger cup holder from the passenger side of the UTV.



4. You will need to remove the passenger fender flare and passenger door. Use a flat head screw driver and pop out the inserts of the fender flare. Then use a socket and remove the door. This will give you greater access to install the snorkel hose.



5. You will need to trim plastic to route the snorkel hose.



6. The plastic intake cover you removed earlier will need to be trimmed and reused.



7. Trim the cover as illustrated in the photos below.



8. Slide hose (78J) through the opening that you trimmed and up to the passenger cup holder.

Note: The black & white high lifter logo will be facing up on the hose once installed correctly.



9. Slide the modified plastic cover onto the hose followed by hose clamp (**HC52**).



10. Slide the hose onto the intake inlet and tighten the hose clamp. Then slide down and secure the intake box back in place.



11. At the cup holder, pull the end of the hose out and slide hose clamp (**HC36**) on the end of the hose. Then slide a 2"x3.5" pipe (**SK-P-252**) half way into the hose and tighten the hose clamp.



12. Insert the pipe and hose in the cup holder hole. Then slide bracket (80Q) onto the pipe.



13. Secure the bracket with (5) (PTS1034P) screws. Then slide a hose clamp (HC36) over the pipe.



14. Find hose (78K). Insert it over the pipe and slide and through the clamp. Then tighten the hose clamp.

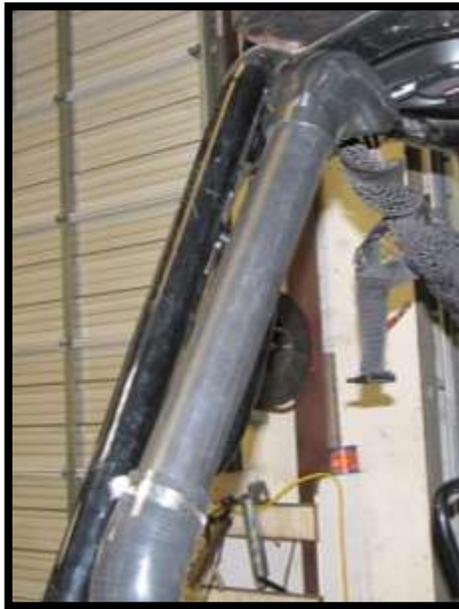


15. Insert the 2" x 16.5" pipe (SK-P-250) into the hose, followed by clamp (HC36).



16. Top it off with the riser cap (43R).

NOTE: YOU MUST USE SILICONE TO SECURE THE CAP TO THE PIPE



17. Secure the riser to the cage post using (2) of the large wide zip ties (T18HDB).



18. In the next steps you will install the cup holder relocation bracket to the dash.

NOTE: For the Honda Pioneer 1000 Special or 1000 Limited Edition, the compartment in the dash that the cup holder relocation bracket attaches to is not on these models. You will lose the use of this bracket and the factory cup holder. See the following steps if you have a regular model.

19. Find the cup holder relocation bracket (51T). Place it in between the two compartments in the center of the dash.

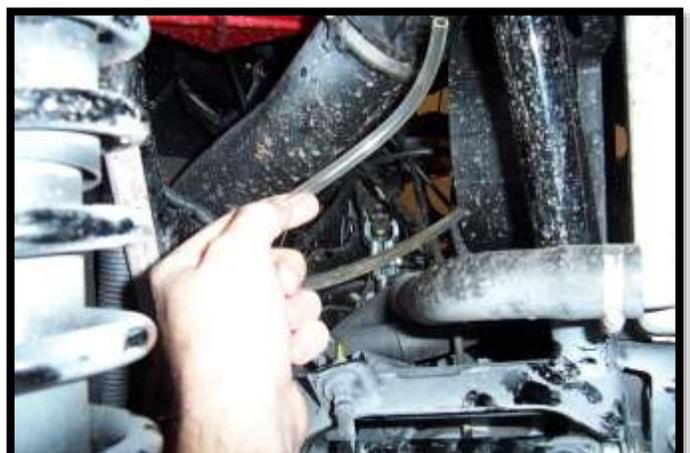


20. Using (4) (PTS1034P) screws, attach the bracket to the dash. Then reinstall the factory cup holder into the new bracket.



21. The next several steps will be connecting new vent lines and bellows.

22. In the front of the UTV you will need to find the front differential vent line and the radiator fan vent line.



23. The existing lines will need to be rerouted to the hood area.



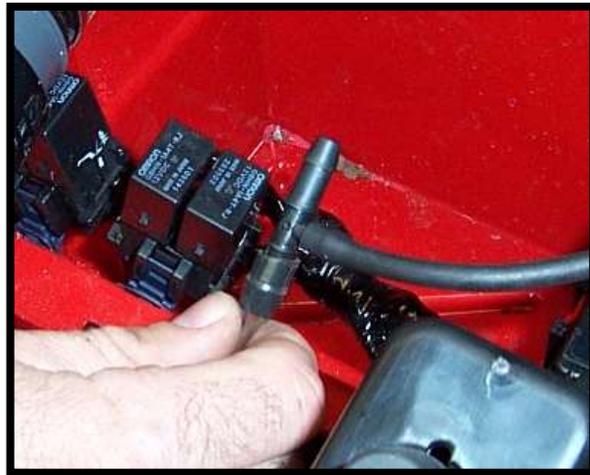
24. Included in the kit is a 1/4" x 3/16" tee (SK-BT-14316). You will need to connect the two lines to the tee.

25. Connect the fan vent line to the 1/4" barb on the tee.



NOTE: It will help to heat up the vent line with a heat gun or hair dryer so to make it more pliable so it can fit in the barb.

26. Next, connect the front differential vent line to the 3/16" barb on the tee.



27. You will need to vent the front differential into the right side cage post. Drill a ½" hole in the base of the post.



28. Next you will need to cut a 4ft section from the vent line (**SK-VT-1**) and run it through the fender near the base of the post. Similar to the way you routed the air intake hose.



29. Connect it to the remaining ¼" barb on the tee.



30. Insert the other end into the ½" hole you drilled into the post. Make sure to push the hose up the post as far as you can. Secure the line with (**11" zip ties**) provided.



31. The overflow vent line will need to be vented into the cage post on the driver's side of the UTV. It is located on the filler neck of the overflow bottle.



32. Drill a 1/2" hole in the base of the post.



33. Insert into the vent line a 1/4" straight barb (**BHF-14-ST**)



34. Trim 5ft of the 1/4" vent line (**SK-VT-1**) and connect it to the barb.



35. Inset the other end of the vent lineup from under the hood through to the hole near the cage post.



NOTE: We removed the driver cup holder so that we could use our fingers to guide the vent line to the location in the plastic where the opening is near the post.



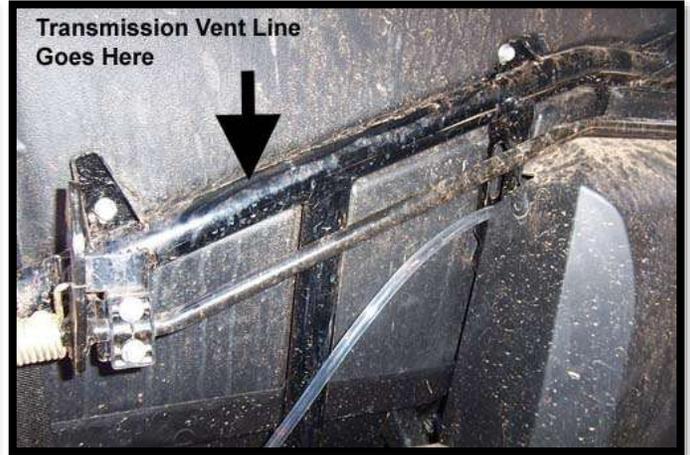
36. Once you have the hose at the opening, pull all the slack up through opening.



37. Insert the hose into the cage post, pushing it up the post until it stops. Pull any remaining slack back under the hood. Secure the loose line under the hood with the **11" zip ties** provided.



38. On the driver's side of the UTV you will need to drill (2) ½" holes in the cross member on the cage. Drill one lower on the cross member and one higher. The lower hole will be for the rear differential and the higher hole will be for the transmission vent line.



39. In the rear of the UTV you will need to locate the transmission vent line.



40. Insert a ¼" straight barb (**BHF-14-ST**) into the vent line.



41. Connect 5ft of ¼" vent line (**SK-VT-1**) to the barb.



42. Route the vent line up through the plastic behind the seat to the hole drilled for the transmission vent line in the frame cross member. Insert the vent line into the hole as far as it will go.



43. Next, the gas tank vent line needs to be extended to a higher point on the frame. There is a cross member on the cage where the head rests for the driver and passenger are located.

44. On the passenger side of the UTV you will need to drill a 1/2" hole in the cross member on the cage.



45. Located under the passenger seat is the gas tank and also where the gas tank vent line, vents into the frame.



46. Pull the vent line out of the frame.

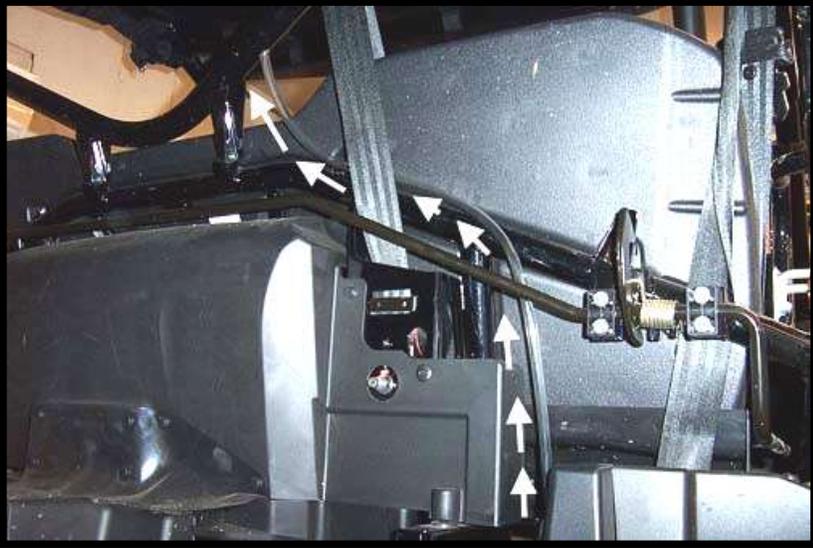


47. You will use another 5ft of clear 1/4" vent line (**SK-VT-1**) supplied in the kit to extend the gas tank vent line up to the hole you drilled in the cage.

48. Locate (1) 1/4" x 3/16" reduction barb (**BHF-R-14316-ST**) provided in the kit. Insert one end of the clear line into the 1/4" end of the reduction barb. Then connect the 3/16" end of the barb into the factory vent line.



49. Route the vent line up the frame from behind the passenger seat up to the hole in the cage.



50. Insert the vent line in to cage running the line all the way up as far as you can.

51. Secure the vent line to the cage and frame using **11" zip ties**. Make sure to secure the vent line so that it does not come into contact with any moving parts.



52. Locate the rear differential vent line. It is connected to the frame just above the differential. Follow the line from the differential if you can find where it is attached to the frame.



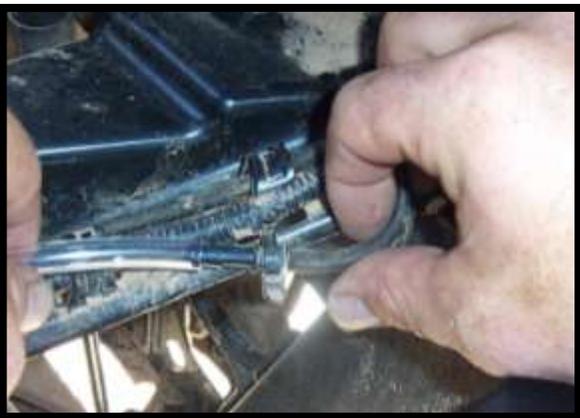
53. Reroute the vent line down closer to the differential. The vent line will have a barb already in it. You need to remove the factory barb.



54. Insert into the rear differential vent line the remaining 1/4" x 3/16" reduction barb (**BHF-R-14316-ST**) provided in the kit.



55. Connect a 6ft section of the (SK-VT-1) vent line to the barb.



56. Route the rear differential vent line down under the frame or foot rest on the 5 seat version.



57. Secure the line along the way. Push the vent line up from under the UTV to an opening in the plastic nearest the hole you drilled for the rear differential. Insert the vent line into the hole as far as you can.



NOTE: This view is looking up from under the UTV on the driver's side

58. Secure the vent line with the remaining **11" zip ties** provided.



59. Once you are happy with the routing of the snorkel, go back and make sure all fittings are secure and sealed.

Always check your snorkels before and after every ride to ensure you still have proper sealing. Vibration can cause the snorkels to come loose or they may shift during riding. We recommend that you use dielectric grease on all electrical connections and fittings to prevent water from damaging electrical components.

Thank You
For Choosing
HIGHLIFTER