

WARRIOR RISER

71-11333

SYA Snorkel Kit for Teryx KRX 1000



HIGHLIFTER

SEIZMIK™



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Parts Available For These Popular Brands and Others

POLARIS

can-am

HONDA

 **Kawasaki**

 **YAMAHA**

PRODUCT DISCLAIMER

IMPORTANT PRODUCT USE, SAFETY INFORMATION, & WARNINGS

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 YOU WILL NEED THE FOLLOWING:

Ultra Black Brand Silicone or Medium Silicone

Dielectric Grease (Optional)

PVC Pipe Cement

ALWAYS check snorkel connections after each ride to ensure there is no damage or possible leaks

PARTS DIAGRAM

WR TERYX KRX 1000

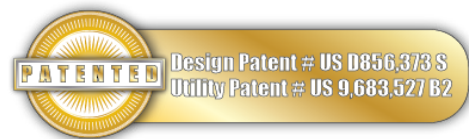
KIT/PART 71-11333

Note: all parts in this kit come disassembled. This allows for custom painting by the customer as well as the option of utilizing filter material in your riser assembly.

Dry fit all parts initially and mark once properly aligned. Only glue after dry fit installation is complete.



PARTS			
CALLOUT	PART NUMBER	DESCRIPTION	QTY
1	71-11405	FOIL HEAT TAPE	1
2	71-11491	RUBBER BOOT 3"	3
3	71-10218	HOSE CLAMP	2
4	71-11487	MODIFIED 90 DEGREE RUBBER BOOT	1
5	54-61334	ZIP TIE BUNDLE	1
6	71-10912	VENT LINE	1
7	71-12110	ASSEMBLY 7	1
8	71-12111	ASSEMBLY 8	1
9	71-12112	ASSEMBLY 9	1
10	71-11416	WARRIOR RISER 3"	3
11	71-10143	HOSE BARB	3



This product is protected by Design Patent # US D856,373 S and Utility Patent # US 9,683,527 B2



#7 ASSEMBLY 7		71-12110
DESCRIPTION		PART#
3" SPIGOT 90 DEGREE FITTING		71-11490
3" PIPE CONNECTOR		71-11483



#8 ASSEMBLY 8		71-12111
DESCRIPTION		PART#
3" 90 DEGREE FITTING		71-11481
3" 45 DEGREE FITTING		71-11480
3" PIPE CONNECTOR		71-11483
3" PIPE 7"		71-11483



#9 ASSEMBLY 9		71-12112
DESCRIPTION		PART#
3" 90 DEGREE FITTING		71-11481
3" 45 DEGREE FITTING		71-11480
3" PIPE 7"		71-11483
3" PIPE 15"		71-11483

BEFORE YOU BEGIN



BEFORE YOU BEGIN

KEEP ALL FACTORY HARDWARE.

Ensure vehicle is set to "PARK".

Turn key to "OFF" position.

Remove key from vehicle.

FACTORY PARTS REMOVAL

REMOVAL

1



Remove these factory ducting parts.



Locate this metal tab behind the seats, along the bed rail. Using a reciprocating saw, flush cut this tab and remove it to leave a smooth rail beneath.

PINCH VALVE SEALING

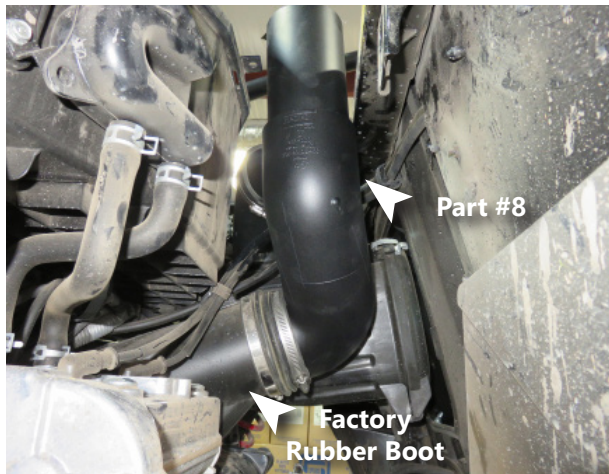
PREPARATION

2



Apply silicone to the inside of the air box pinch valve to seal it.

3

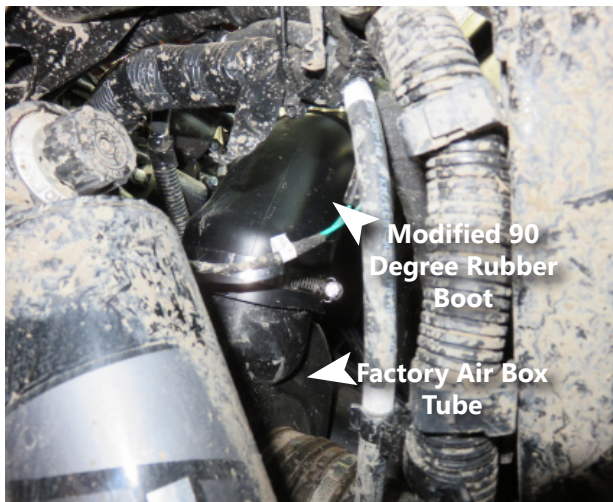


Beginning at the upper most factory boot on the CVT housing, install part #8 and orient as shown. This will be the center riser.

After parts have been dry fit and aligned properly mark them and glue all PVC parts with PVC glue.

Secure part #8 to the rubber boot with hose clamp. Apply silicone to the outside of the rubber boot connection to seal.

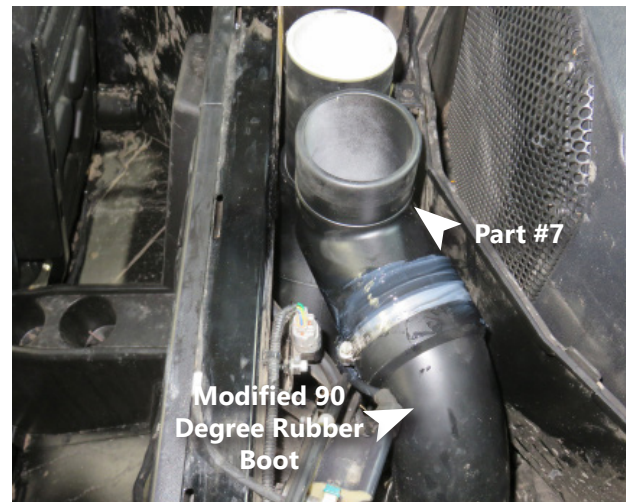
4



Beginning with the modified 90 degree rubber boot, insert the smaller cut end onto the air box tube.

NOTE: The electrical connections can be pushed to the side if they are in the way of your snorkel.

TIP: Heating the cut end of this rubber boot in boiling water will make it more pliable and easier to install over the factory tube.



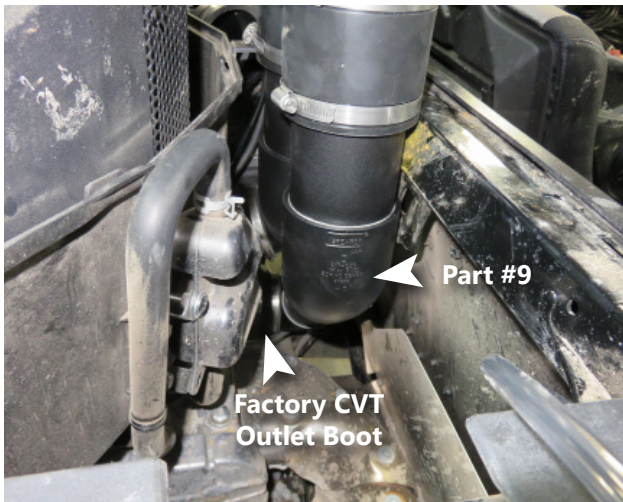
Next, install part #7 into the rubber boot with the small pipe on the larger end going into the boot.

Orient as shown. This will be the driver's side riser.

Secure with hose clamps.

Seal around the rubber boot connections with silicone.

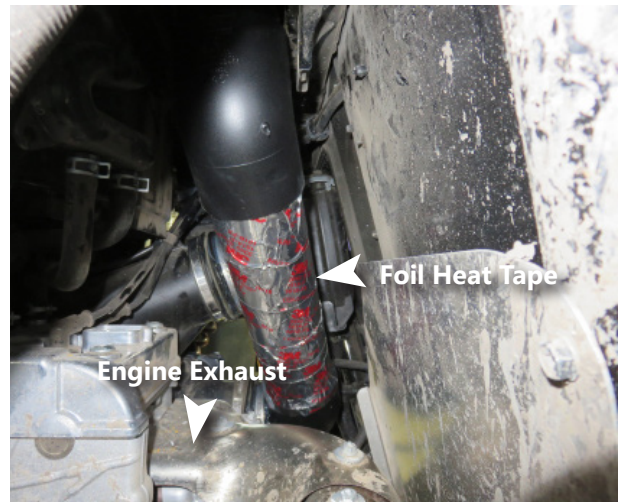
5



Beginning at the lower factory rubber boot on the belt housing, replace the factory hose clamp with a heavy duty hose clamp supplied in your kit.

Then, install part #9 with the 90 degree fitting end into the factory rubber boot.

Orient part #9 so that the snorkel points straight up. This will be the passenger side riser.



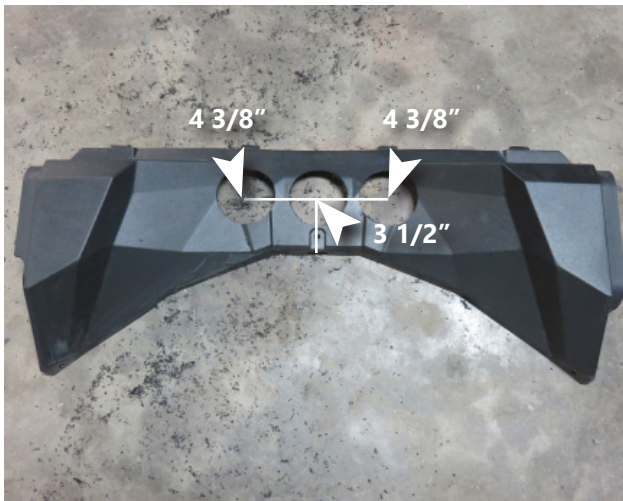
Apply foil heat tape around the snorkel where it comes in close proximity to the engine exhaust.

Secure with hose clamps and seal around all rubber boot connections with silicone.

PLASTICS DRILLING

MODIFICATION

6



Remove the rear engine cover and find the center point (left to right).

Measure up 3 1/2" as shown and make a mark.

Next, measure 4 3/8" from the center to the left and make a mark.

Measure 4 3/8" from the center to the right and make a mark. These marks will be the center of the holes you will drill.

Using a 3 5/8" or 3 3/4" hole saw, drill a hole at each of the marks as shown.

7



Gas Tank Vent Line

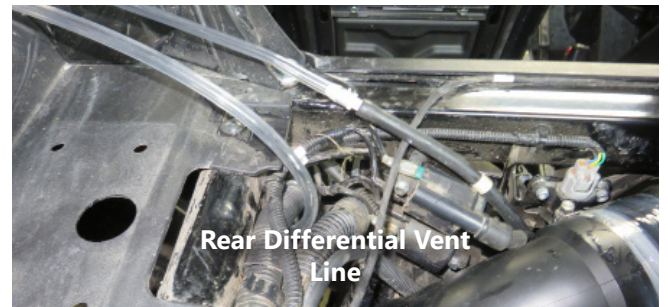
Using the clear tubing and barb couplings, extend the front differential, rear differential, and gas tank vent lines.

Run the vent line extensions up to the snorkels, as they will install into the Warrior Riser vent line slots.

NOTES: After operating your ATV, you may notice a small amount of gas in the gas tank vent line. This is normal and occurs in the factory vent lines as well. You may empty the fuel out of this vent line if desired.



Front Differential Vent Line



Rear Differential Vent Line

REINSTALL ENGINE COVER

INSTALLATION

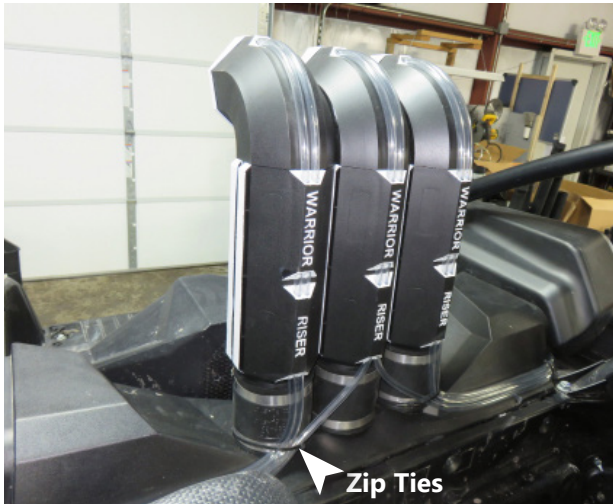
8



Reinstall the rear engine cover.

Place a rubber boot over each of the snorkels and secure with hose clamps as shown.

9

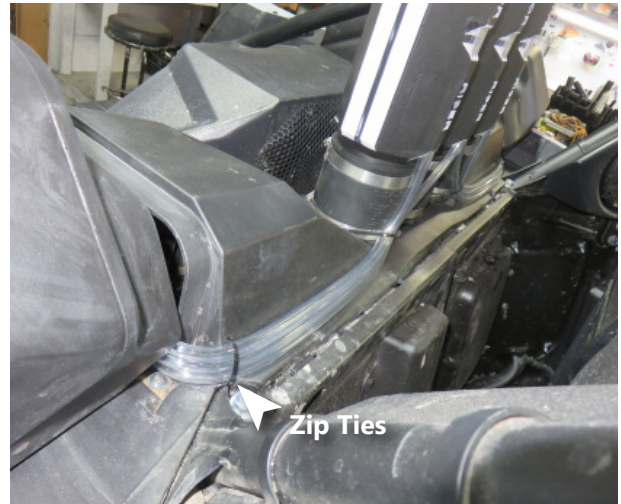


Install the Warrior Risers into the rubber boots and secure with hose clamps.

There are 3 vent lines to extend. Using the barbs (#11) and vent line (#6) included in your kit, extend the front differential, rear differential and gas tank lines, routing to the slots in the Warrior risers.

TIP: For a clean, symmetrical look, install a "fake" vent line in the remaining vent line slots.

Secure the vent lines to the bases of the Warrior Risers with zip ties.



Secure the vent lines to the engine cover by drilling small holes in the cover and using zip ties.

Reinstall the factory breather boxes without the rubber pieces to retain a factory look.



Warrior Tips can be left black or painted depending on your preference.

IMPORTANT!

Warrior tips can be used without filters. For carbureted or turbo-charged ATVs, filter material **SHOULD NOT** be used.

Filter material, used at customer's preference, should **ONLY** be installed on all EFI intakes and CVT inlets. Installing these filters will help keep your ATV's engine free of dust and debris.

NEVER INSTALL FILTER MATERIAL OVER THE CVT OUTLET WARRIOR RISER!

NEVER INSTALL A PRE-FILTER ON THE CVT OUTLET!

Filter material is water repellent, **NOT** waterproof. Filters will keep splashed water out of the snorkel.

Remove filter material as required for cleaning. After cleaning, replace the filter by snapping it in place, and re-applying a dab of silicone to the wear tip as described above. We recommend **LOCTITE STIK 'N SEAL** for this application.

Replacement or extra parts are available at www.highlifter.com.

Many customers use two sets of Warrior Wear Tips: One set with filters and one set without. Having these options increases versatility in varying riding conditions. For extreme conditions, use the filter set. For casual riding, use the non-filter set.