



INSTALLATION INSTRUCTIONS

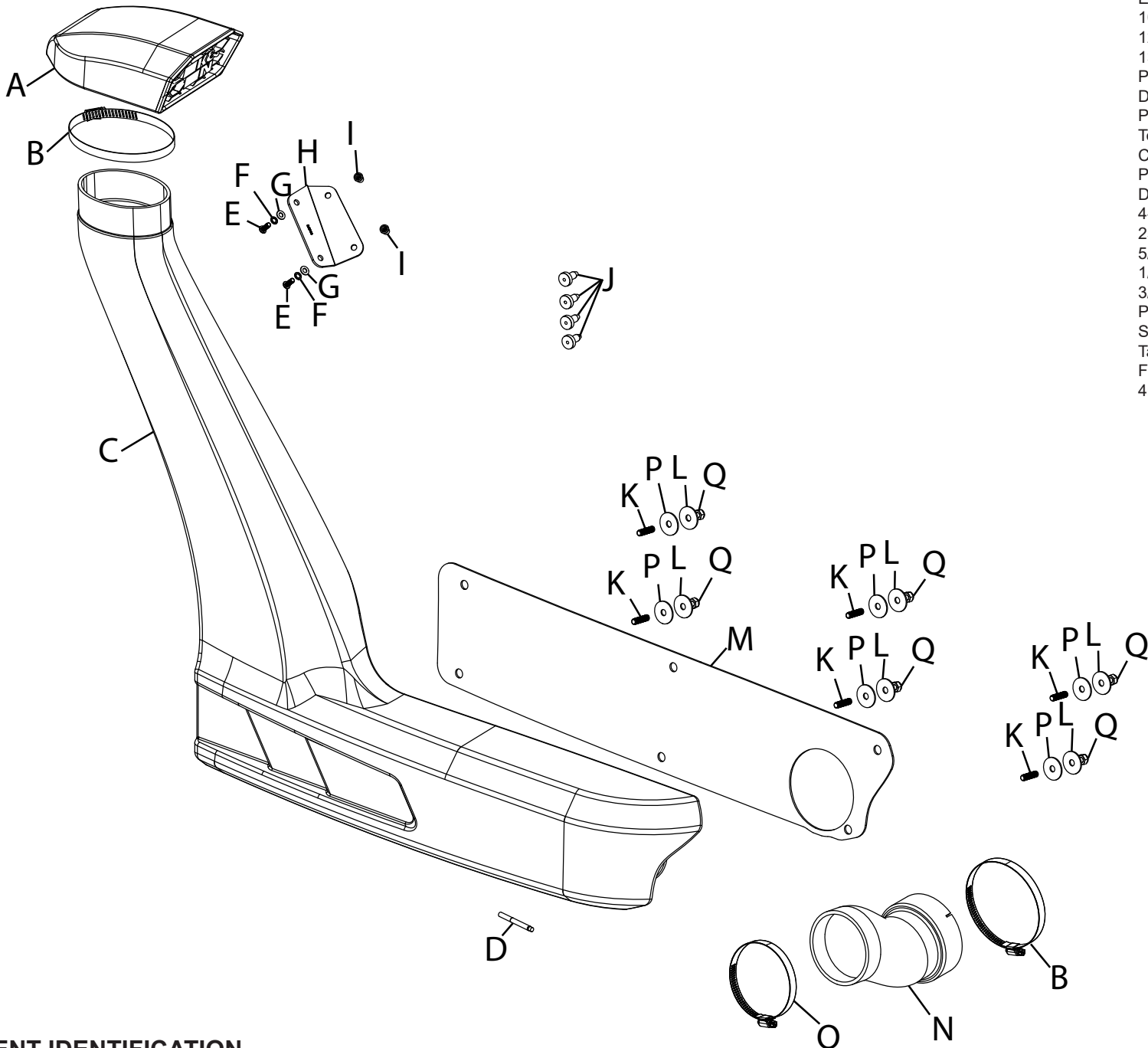
Not legal for sale or use in California on any pollution controlled motor vehicle.

63-8001
2010-23 TOYOTA 4RUNNER
V6-4.0L

NOTE: This kit will not increase the manufacturer suggested water fording limit.

TOOLS NEEDED:

- Ratchet
- Extension
- 10mm socket
- 12mm socket
- 13mm socket
- Pliers
- Deburring tool or sand Paper
- Touch-up paint
- Center punch
- Panel popper tool
- Drill motor
- 4-1/4" hole saw
- 25/34" drill bit
- 5/8" drill bit
- 1/8" drill bit
- 3/16" drill bit
- Pop rivet tool
- Scissors
- Tape
- Flathead screwdriver
- 4mm allen key



COMPONENT IDENTIFICATION

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A SNORKEL TOP; GRILL (PH)	1	087601	G WASHER; 1/4"ID X 5/8"OD	2	08275	M GASKET; FENDER	1	09406
B HOSE CLAMP; #72	2	08671	H BRACKET; SNORKEL MOUNT	1	064373	N COUPLER; ADAPTER	1	084130
C SNORKEL; (QA)	1	087532-1	I RIVET; 3/16"OD, 4.3"GRIP	2	22280	O HOSE CLAMP; #64	1	08645
D THREADLOCK; 2ML BLUE	1	482	J SCREW GROMMET; INNER	4	080602	P WASHER; 1.25"OD X .30"ID	6	21708
E BOLT; M6 X 1 X 16MM BTNHD	2	07730	K STUD; 8MM DOUBLE END	6	070225	Q NUT; 8MM NYLOCK	6	07502
F WASHER; M6 SPLIT LOCK	2	1-3025	L WASHER; 5/16 X 1.25"	6	08130			

If you need any assistance please call 1-800-858-3333 to speak with a representative in our Customer Service Center before returning the product.

NOTE: FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS AND NOT USING THE PROVIDED HARDWARE MAY DAMAGE THE SNORKEL.

NOTE: BEFORE PROCEEDING WITH INSTALLATION! Two complete templates are provided with these instruction sheets. One set of templates will be used to check against the provided gasket to double check hole and insert placement. The second template will be used to mark the holes to be drilled into the vehicle's fender.



Cut both templates out and tape them together. Cut out all the 5/8" mounting holes and the 4.25" pass through hole on the first template only. Lay the fully cut-out template on top of the other to make sure they align. Next lay the cut-out template onto the fender gasket to make sure all the holes align.



Next lay the cut-out template onto the snorkel to see that the inserts align. Once it has been determined the templates and components are all sized correctly you can proceed. If not, do not install and contact Technical support 800-858-3333.

TO START:

1. Turn off the ignition and disconnect the negative battery cable.
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicles anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicles anti-theft code.



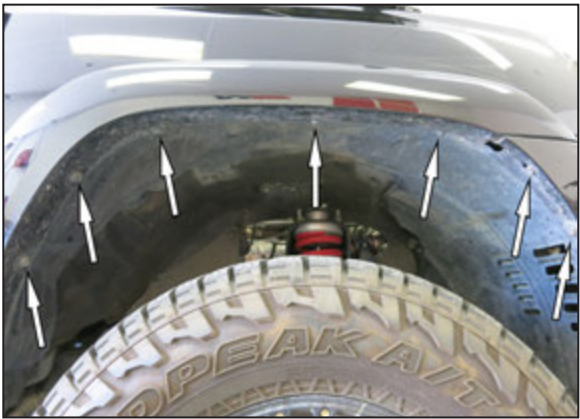
2. Disconnect the mass air sensor electrical connection and unhook the harness from the air filter housing. Remove the engine cover.



3. Disconnect the CCV hose and fuel pressure regulator vent line from the factory intake tube. Loosen the hose clamps that secure the factory intake tube and remove the tube from the vehicle.



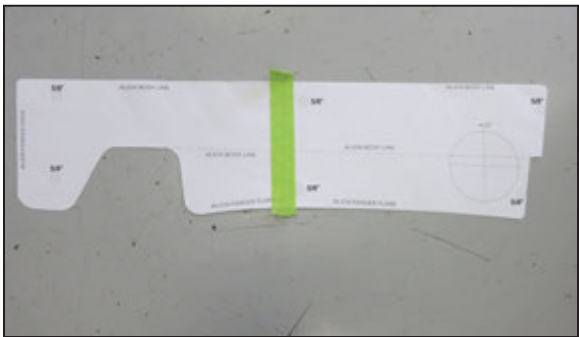
4. Release the over-center clamps that secure the upper air filter housing and then remove the upper housing. Remove the bolts that secure the lower housing to the inner fender and then remove the lower housing from the vehicle.



5. Remove the bolts that secure the inner fender well to the fender.



6. Carefully pull back the inner fender to release the tabs enabling the inner fender to be pulled down to allow access behind the fender. **NOTE: Replacement black screw grommets are provided incase the factory grommets break.**



7. Second template with no holes cut out,



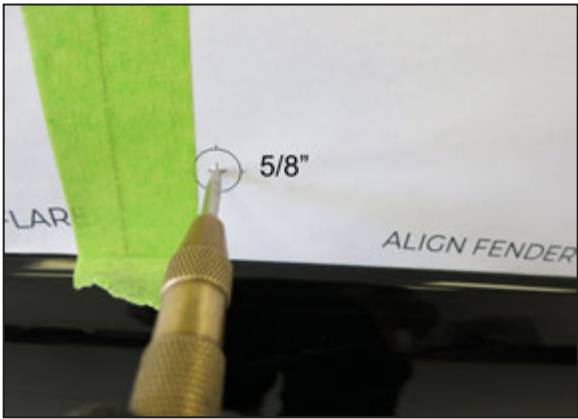
8. Tape the fender template to the fender.



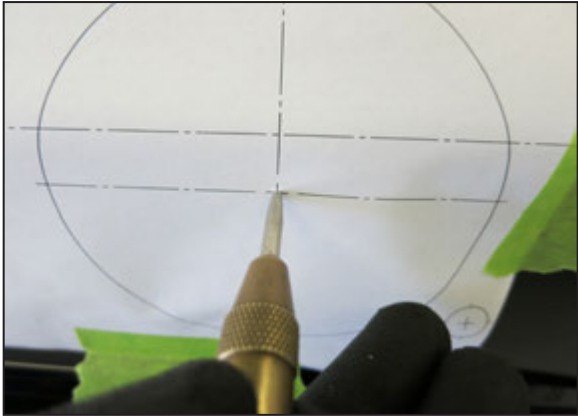
9. Tape the "A" pillar template onto the pillar.



10. Verify the templates are positioned correctly using the text and lines printed on the template.



11. Use a center punch or similar device to mark the center of all the 5/8" holes to be drilled.



12. Use a center punch or similar device to mark the center of the 4-1/4" hole to be drilled.



13. Once all the holes are marked, drill a 1/8" pilot hole for each hole.



14. Drill the 5/8" holes with a 5/8" drill bit. Deburr the holes.



15. Drill the hole for the snorkel outlet with a 4-1/4" hole saw. Deburr the hole.



16. Use touch up paint or similar paint to paint the raw metal to prevent corrosion.



17. Apply threadlock to the M8 Studs and screw into the inserts on snorkel and leave the studs out 3/4". Apply gasket material to the back of the snorkel.



18. Temporarily install the snorkel onto the fender with the "A" pillar mounting bracket installed onto the snorkel. Check the alignment of the hole position of the template to the bracket and adjust as necessary. Remove the Snorkel assembly from the fender. Using a Center punch to mark the center of the holes to be drilled. **NOTE: Use patience and double check the alignment of the template before marking the holes to be sure they are in the correct position.**



19. Use a 3/16" drill for the "A" pillar mounting bracket holes. Go slow and do not push hard while drilling to prevent drill bit wander or walk. Use tape or vacuum hose to create a 5/8" stop on the drill bit so the drill will only go 5/8" past the outer sheet metal.



20. Use touch up paint to paint the raw sheet metal to prevent corrosion.



21. Install the snorkel bracket onto the "A" pillar using the provided rivets.



22. Install the snorkel onto the fender.



23. Secure the snorkel to the fender using the nuts and fender washers provided.



24. Secure the snorkel to the "A" pillar bracket with the hardware provided.



25. Install the coupling hose through the hole in the inner fender and connect it to the snorkel outlet. Secure with the provided hose clamp.



26. Reinstall the inner fender and secure with the factory hardware. **NOTE: Replacement black screw grommets are provided incase the factory grommets break.**



27. Remove the angled duct from the factory lower air filter housing.



28. Reinstall the lower housing so the inlet goes into the snorkel hose. Secure with the provided hose clamp and factory hardware.



29. Reinstall the upper housing and air filter, secure with the factory over center clamps.



30. Reinstall the factory intake tube, reconnect the CCV and vent hoses, reconnect the mass air sensor electrical connection and reinstall the engine cover.



31. If you are installing this kit onto a vehicle equipped with an AIRAID intake kit, drill two 3/8" drain holes into the bottom of the AIRAID filter housing.



32. Cut 1-1/4" off of the fresh air inlet.



33. Reinstall the AIRAID filter housing and secure with the hose clamp and hardware provided.



34. Install the snorkel scoop onto the Snorkel and secure with the provided hose clamp.



35. Reconnect the vehicle's negative battery cable. Double check to make sure everything is tight and properly positioned before starting the vehicle.

36. It will be necessary for all K&N® high flow intake systems to be checked periodically for realignment, clearance and tightening of all connections. Failure to follow the above instructions or proper maintenance may void warranty.

ROAD TESTING:

1. Start the engine with the transmission in neutral or park, and the parking brake engaged. Listen for air leaks or odd noises. For air leaks secure hoses and connections. For odd noises, find cause and repair before proceeding. This kit will function identically to the factory system except for being louder and much more responsive.

2. Test drive the vehicle. Listen for odd noises or rattles and fix as necessary.

3. If road test is fine, you can now enjoy the added power and performance from your kit.

4. K&N Engineering, Inc., requires cleaning the intake system's air filter element every 100,000 miles. When used in dusty or off-road environments, our filters will require cleaning more often. We recommend that you visually inspect your filter once every 25,000 miles to determine if the screen is still visible. When the screen is no longer visible some place on the filter element, it is time to clean it. To clean and re-oil, purchase our filter Recharger® service kit, part number 99-5050 or 99-5000 and follow the easy instructions.

