



# INSTALLATION GUIDE

## ISNORKEL022

ISUZU D-MAX 09+ (Not 4x2 SX Models)  
& HOLDEN RODEO RA7 07+ (LX, LT Not DX)



- Ironman 4x4 Snorkel fits to the right hand side of the Isuzu D-Max 09+ (not 4x2 SX Models) & Holden Rodeo RA7 07+ (LX, LT not DX).
- It will take about 2 hours to install.
- Below is a list of some required tools for installing your Ironman 4x4 Snorkel:
  - **Hole Saw (102mm)**
  - **Step Drill**
  - **Pop-Rivet Gun**

**NOTE: Only use "sensor safe" sealant during installation**

**IMPORTANT:** Snorkel installations should only be done by a qualified person and it is the responsibility of this person to ensure correct fitment and to ensure the installation is water tight.

1. Before installation check snorkel application is compatible with your vehicle.

2. Remove right hand front mudguard liner, air cleaner assembly and air cleaner intake duct.

3. Apply masking tape to right hand front mudguard.



4. Tape template to mudguard making sure it is lined up with top of mudguard (bonnet opening) and rear of mudguard (door opening).

5. Using a felt tipped pen, mark all holes through template onto mudguard. Remove template.

6. Drill mounting holes to 16mm and using a 102mm hole saw, cut the remaining hole for air entry duct.



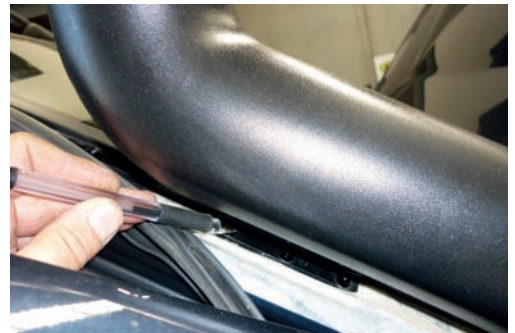
7. De-burr and rust-proof all holes (this applies to all holes drilled after this step).

8. Carefully remove door seal from right hand front windscreen pillar. Apply masking tape to pillar.



9. Using thread lock, screw all mounting studs into snorkel body and attach pillar mounting bracket loosely to snorkel using M6 Bolts provided.

10. Hold snorkel body in position on mudguard and with pillar mounting bracket pushed against plastic windscreen mold on pillar, mark mounting holes.



11. Drill mounting holes to 5mm. Remove mounting bracket from snorkel, apply silicone sealant to mounting holes and attach bracket to pillar using pop rivets provided.

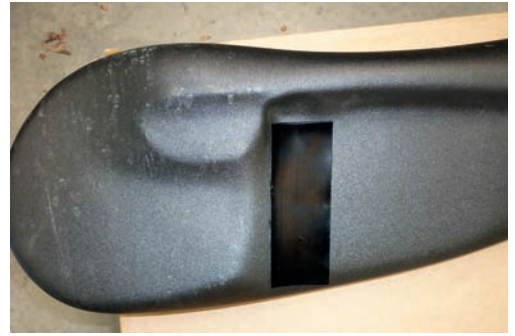
Refit door rubber.



12. Fit protective rubber to intake duct hole in engine bay.



13. Place adhesive rubber strip to air intake duct as shown.



14. Place air intake duct in position under mudguard.

15. Fit rubber joiner to air intake duct in engine bay. Slide two hose clamps over rubber joiner.



16. Refit air box and attach to rubber joiner. Tighten all hose clamps making sure snorkel end of air intake duct lines up with 102mm hole in mudguard.



17. Apply a liberal amount of silicone sealant to inside of intake duct. Attach snorkel body to mudguard and secure with M8 Nylock Nuts and body washers making sure snorkel engages with air intake duct.

Attach to pillar mounting bracket using M6 Bolts.



18. Secure intake duct to snorkel using self tapping screw provided.



19. Check all connections for leaks and seal as required.

20. Refit guard liner.

21. Fit Ironman 4x4 Air Ram and secure with hose clamp provided.

