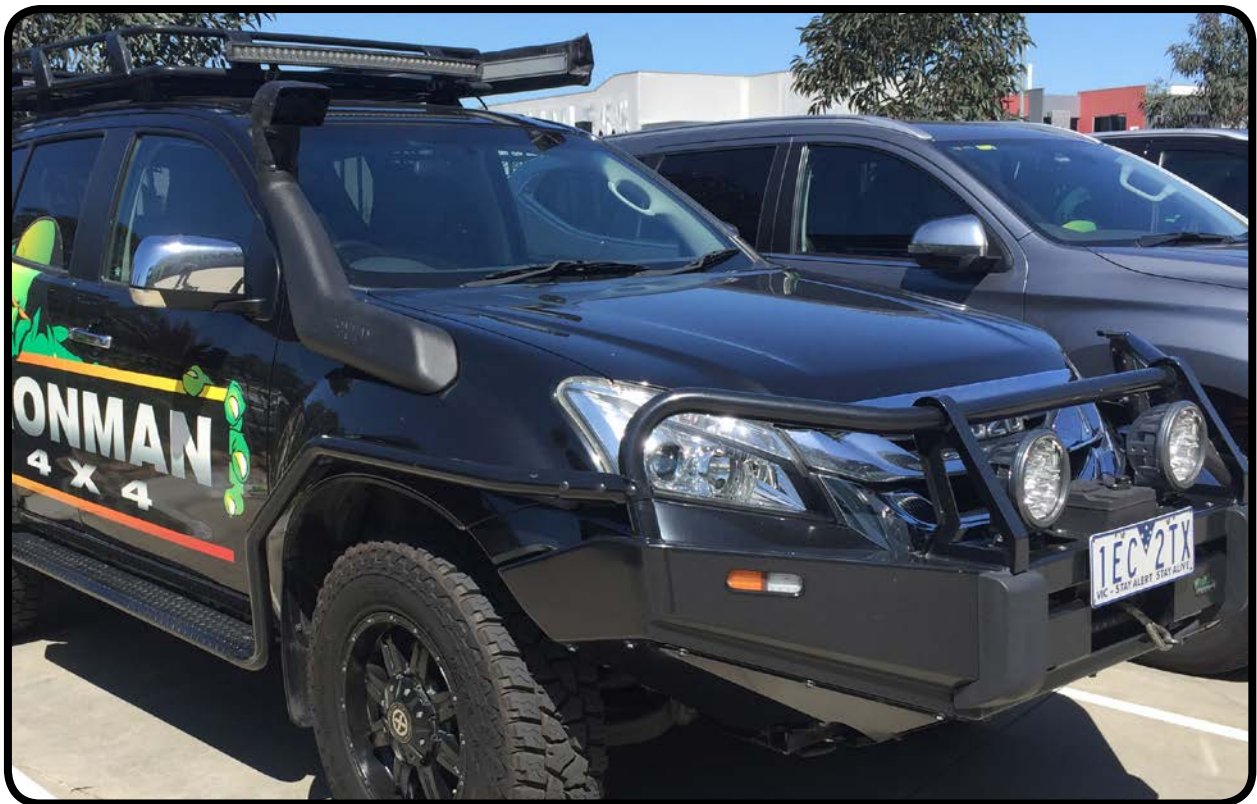




# INSTALLATION GUIDE

## ISNORKELO41

ISUZU D-Max 6/2012+ and ISUZU MU-X 2014+  
4JJ1 3.0L Turbo Diesel



- Ironman 4x4 Snorkel fits to the right hand side of the Isuzu D-Max and MU-X.
- It will take about 3 hours to install.
- Below is a list of some required tools for installing your Ironman 4x4 Snorkel:
  - **Hole Saw (105mm)**
  - **Step Drill**
  - **Air Hacksaw**
  - **Spanner (13mm)**

**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 muguard liner, air box and air entry duct to air box.



3. Apply masking tape to right hand front mudguard and right hand windscreen pillar.



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 all mounting holes to 12mm and using a 105mm hole saw, cut the remaining hole for air entry hose.

7. Using air hacksaw, cut two slots into inner panel, then bend section inwards to allow clearance for rubber duct.

Refer to second image.



8. De-burr and rust-proof all holes and cuts made in previous step (this applies to all holes drilled after this step).

9. Using thread-lock screw 5 x studs into snorkel body. Attach pillar mounting bracket loosely to snorkel using M6 bolts provided.



10. Hold snorkel body in position on mudguard and mark position of pillar bracket on pillar. Remove snorkel.

Remove bracket from snorkel.

11. Hold bracket in position previously marked on pillar and mark mounting holes.

Drill mounting holes in pillar to 7.5mm. Apply silicone sealant. Insert mounting plugs and attach mounting bracket using three self tapping screws provided (When drilling mounting holes, only drill through outer skin and no further.)



12. Place rubber duct inside guard through to engine bay. Lubrication will assist in getting rubber hose through inner guard hole.



13. Install snorkel body to vehicle using M8 Nylock nuts and body washers provided and attach to pillar bracket using M6 bolts provided.



14. Remove air box intake duct.



15. Install new air duct from inside air box using sensor safe sealant and supplied screw to secure into location.



16. Re-fit air box and connect to rubber duct. Secure with hose clamp provided.



17. Check all hose connections and air box for potential leaks and seal as required.

18. Re-fit guard liner.

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

