



# INSTALLATION GUIDE

## ISNORKEL028

HOLDEN COLORADO

3L Turbo Diesel



- Ironman 4x4 Snorkel fits to the right hand side of the Holden Colorado.
- It will take about 2 hours to install.
- Below is a list of some required tools for installing your Ironman 4x4 Snorkel:
  - **Hole Saw (95mm)**
  - **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 from under mudguard.



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 95mm 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 rubber joiner in position under mudguard through air intake hole in inner guard.



13. Attach snorkel body to mudguard using M8 Nylock Nuts body washers making sure snorkel air outlet engages with rubber joiner. Attach to pillar mounting bracket using M6 bolts, spring washers and flat washers.

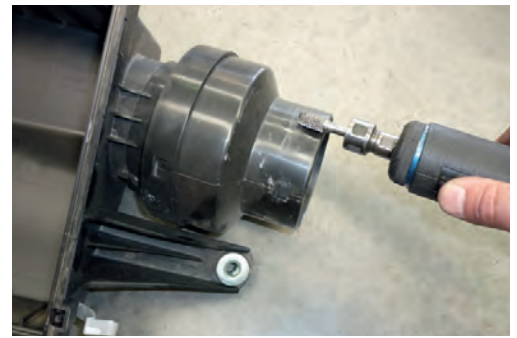
14. Secure rubber joiner to snorkel outlet using hose clamp provided.



15. Remove air intake from cyclonic precleaner on air box.



16. Remove three raised sections from cyclonic precleaner intake to allow rubber joiner to fit over it.



17. Refit air box to engine bay making sure cyclonic precleaner engages with rubber joiner and secure with hose clamp provided.



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

19. Refit mudguard liner.

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

