



# INSTALLATION GUIDE

## ISNORKELO09

TOYOTA Landcruiser 75, 78, 79 Series  
4.2L Diesel 1HZ



- Ironman 4x4 Snorkel fits to the right hand side of the Toyota Landcruiser.
- It will take about 3 hours to install.
- Below is a list of some required tools for installing your Ironman 4x4 Snorkel:
  - **Hole Saw (89mm)**
  - **Step Drill**
  - **Air Hacksaw**

**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 air cleaner assembly, air intake duct to air cleaner, Landcruiser badge, plate from right hand inner guard and unbolt fuel filter assembly from inner guard.



3. Apply masking tape to right hand front mudguard and 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). Using a felt tipped pen, mark all holes through template onto mudguard. Remove template.



5. For snorkel outlet, using an 89mm hole saw cut two semi circles as shown. Mark a line between top and bottom of the semi circles and cut along lines using an air hack saw.



6. Drill mounting holes to 16mm.



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

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

9. Hold snorkel body in position on mudguard and mark position of pillar mounting bracket holes onto windscreen pillar.



10. Remove snorkel body and remove pillar bracket from snorkel.

11. Drill holes for pillar bracket to 7.5mm. Apply silicone to holes, insert mounting plugs and attach pillar bracket to pillar using self tapping screws provided.



12. Attach snorkel body to mudguard using M8 Nyloc Nuts and body washers. Attach to pillar bracket.



13. Insert smaller diameter end of rubber intake hose through inner guard and attach to snorkel and secure with hose clamp provided.



14. Reattach fuel filter and plate to inner guard.

15. Refit air cleaner and attach to rubber hose with hose clamp provided.



16. Check all hose connections for potential leaks and seal as required.

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

