



INSTALLATION GUIDE

ISNORKELO04

TOYOTA LANDCRUISER 80 Series
(All Models)



- Ironman 4x4 Snorkel fits to the right hand side of the Toyota 80 Series.
- It will take about 3 hours to install.
- Below is a list of some required tools for installing your Ironman 4x4 Snorkel:
 - **Hole Saw (92mm)**
 - **Step Drill**
 - **CRC or Similar Lubricant**

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, right hand front indicator and air entry duct located between inner and outer mudguards.



3. Apply masking tape to 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 stud mounting holes to 16mm and using a 92mm hole saw, cut the remaining hole for air entry duct.



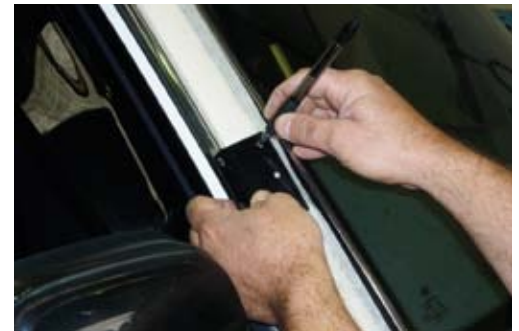
7. De-burr and rust-proof all holes (this applies to all holes drilled after this step).

8. Using thread-lock screw all 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 the pillar mounting bracket on pillar and remove snorkel.



10. Remove bracket from snorkel, hold against pillar in position previously marked and mark three mounting holes.



11. Drill three 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. Attach pillar mounting bracket with three self tapping screws provided.



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



14. Attach rubber joiner to snorkel. Slide two hose clamps over hose but DO NOT tighten at this stage.



15. Refit air cleaner assembly while engaging air entry with rubber joiner.



16. Secure rubber joiner with hose clamps.
NOTE: Hose clamp for snorkel can be accessed through indicator opening.



17. Refit front indicator.

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

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

