



INSTALLATION GUIDE

ISNORKELO06

TOYOTA LANDCRUISER PRADO 120
4.0L V6 (1GR-FE Engine) & 3.0L Diesel (1KZ-TE Engine)



- Ironman 4x4 Snorkel fits to the right hand side of the Toyota Prado.
- 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**
 - **Drill (8mm & 16mm)**
 - **Spanner (13mm)**

NOTE: Only use "sensor safe" sealant during installation

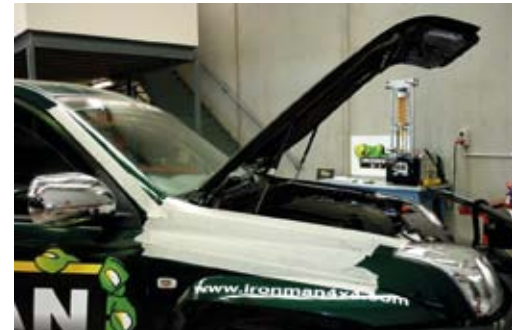
IMPORTANT: Snorkel installations should only be done by a qualified person and it is the responsibility of this person to ensure correct fitment and to ensure the installation is water tight.

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

2. Remove right hand guard liner and air intake duct.



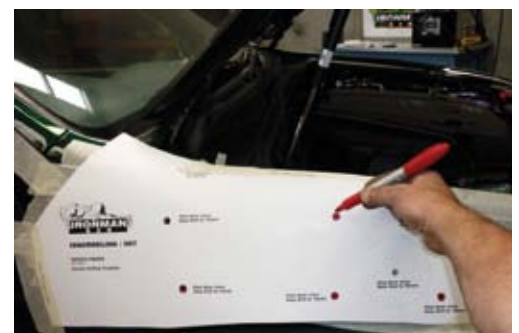
3. Apply masking tape to right hand front mudguard and windscreen pillar.



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



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



6. Using a hole saw cut a 95mm hole for snorkel duct and drill all 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 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 holes in bracket on pillar and remove snorkel. Also remove bracket from snorkel.



10. Hold snorkel bracket in position and mark four mounting holes on pillar. Drill mounting holes to 7.5mm.



11. Apply silicone sealant to holes. Insert mounting plugs and attach mounting bracket to pillar using self tapping screws provided.

12. Fit rubber joiner to air entry duct as shown and secure with hoses clamp.



13. Place air entry duct under mudguard and align rubber joiner with snorkel hole.
14. Fit snorkel body to mudguard making sure it engages with rubber joiner.



15. Secure to vehicle using M8 Nylock Nuts and Body washers. Attach to pillar mounting bracket using M6 Bolts. Secure rubber joiner to snorkel with hose clamp.

16. Fit remaining rubber joiner to factory air intake duct with two hose clamps but do not tighten..



17. Refit factory air intake duct to engine bay. Attach rubber joiner to air entry duct and tighten all hose clamps.



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

19. Re-fit guard liner.

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

