



INSTALLATION GUIDE

ISNORKELO53

TOYOTA FORTUNER 2015+
1GD-FTV 2.8L Diesel Engine



- Ironman 4x4 Snorkel fits to the right hand side of the Toyota Fortuner.
- 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 air entry duct to air box, and headlight.



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

8. Place rubber duct under mudguard through to engine bay. Lubrication will assist in getting the rubber hose through inner guard hose.



9. Using thread-lock screw 4 studs into the rear of snorkel body in position shown. 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. Install snorkel body to vehicle using M8 Nylock Nuts and body washers provided and attach to pillar bracket using M6 bolts and washers provided.

Use supplied Allen head bolt, spring washer and half washer to secure front snorkel mount behind headlight.



13. Secure rubber intake duct to snorkel using hose clamp provided.

14. Cut outer flange off air box intake.
As shown.



15. Refit air box to vehicle, attach to rubber joiner and secure with hose clamp provided.



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

17. Re-fit guard liner and headlight.

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

