



INSTALLATION GUIDE

ISNORKEL029

2006-2008 4L V6 (IGR-FE) TOYOTA FJ Cruiser



- Ironman 4x4 Snorkel fits to the right hand side of the Toyota FJ Cruiser.
- It will take about 2 hours to install.
- Below is a list of some required tools for installing your Ironman 4x4 Snorkel:
 - **Hole Saw (105mm)**
 - **Step Drill**
 - **Air Hack Saw**
 - **Thread Lock**

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, air intake duct from engine bay and air intake duct form under mud 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).



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

6. Using a hole saw cut a 105mm 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 mounting bracket on pillar and remove snorkel. Also remove bracket from snorkel.



10. Hold snorkel bracket in position and mark 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. Secure to vehicle using M8 Nylock Nuts and Body washers. Attach to pillar mounting bracket using M6 Bolts.

13. Using an air hack saw or similar, cut the large lip from the stock intake duct to allow hose to be connected.

14. Install the rubber air entry hose supplied with snorkel to the snorkel outlet. Do not tighten hose clamp.

15. The factory air intake duct and air cleaner housing may have a number of drain holes. It is up to the installer to determine whether these holes should be sealed or left open to allow rain water to drain.

16. Install the previously modified intake duct to the air entry hose and secure using original hardware.

17. Rotate the air outlet hose from snorkel to achieve the best alignment with the factory air intake. Secure hose clamps.

18. Reinstall the air cleaner housing and reconnect the air intake duct.

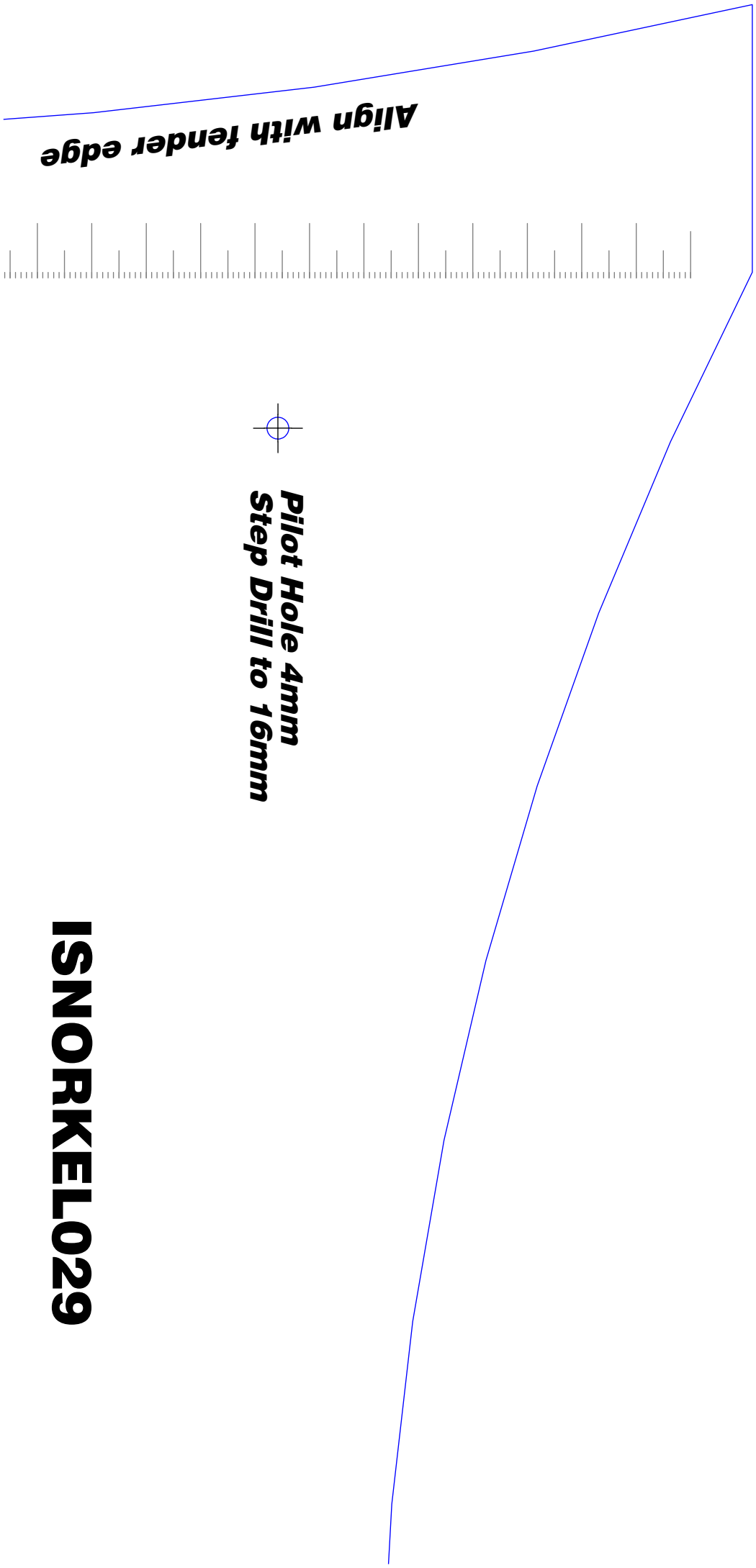
19. Check all hose connections for potential leaks and seal as required.



20. Re-fit guard liner.

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





ISNORKELO29

B

Align with fender edge



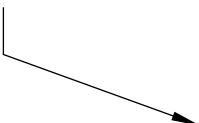
***Pilot Hole 4mm
Step Drill to 16mm***



***Pilot Hole 4mm
Step Drill to 16mm***

Align with fender edge

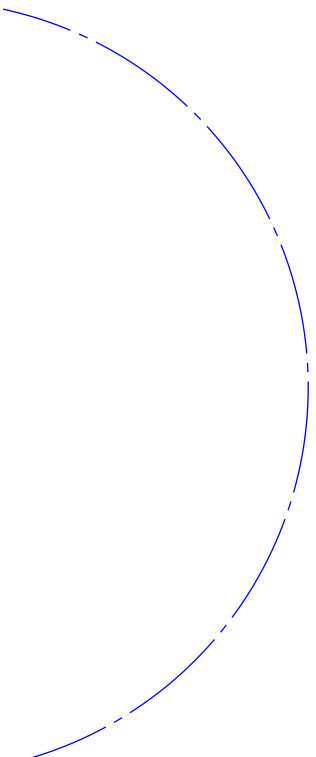
***TO HOOD
of vehicle***



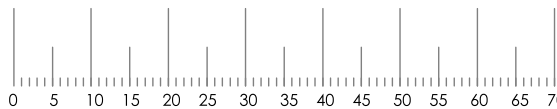
***TO FRONT
of vehicle***



***Pilot Hole 4mm
Step Drill to 16mm***



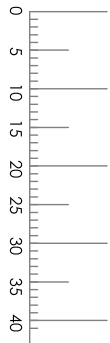
TOYOTA FJ CRUISER
2006 - 2008
4.0L V6
Snorkel Drilling Template



Use ruler to check printing scale,
and when joining multiple pages.



Use ruler to check printing scale,
and when joining multiple pages.



Use ruler to check printing
and when joining multiple

All dimensions in mm



***Pilot Hole 4mm
Step Drill to 16mm***



***Pilot Hole 4mm
Step Drill to 16mm***



Use ruler to check printing scale,
and when joining multiple pages.

***Pilot Hole 4mm
Step Drill to 16mm***



***Pilot Hole 4mm
Hole Saw to 105mm***



***Pilot Hole 4mm
Step Drill to 16mm***



Use ruler to check printing scale,
and when joining multiple pages.