



# **SNORKEL KIT FOR TOYOTA LANDCRUISER 4x4 – ST 100A**

## **USER MANUAL**

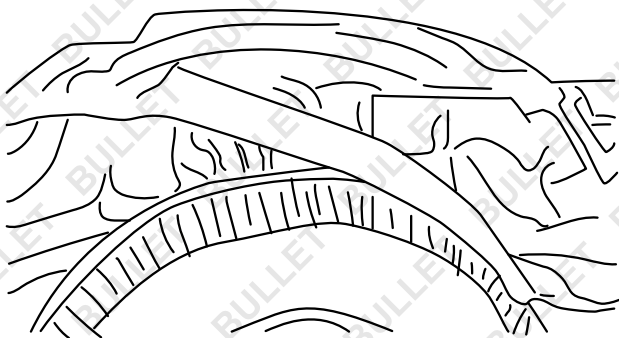
[Revision 2.0 November 2016]

**RETAIN THIS MANUAL FOR FUTURE REFERENCE  
PLEASE READ THIS MANUAL CAREFULLY BEFORE USE**

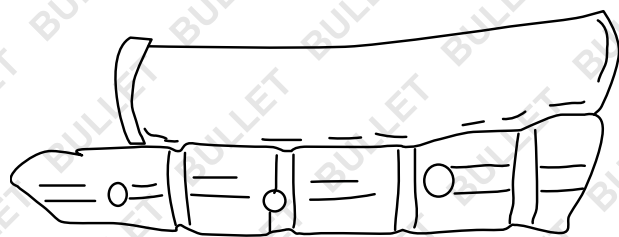
Some tools required for installing:

- **Hole Saw (85mm)**
- **Drill (8mm)**
- **Step Drill**
- **Spanner (13mm)**
- **Air Hack Saw**

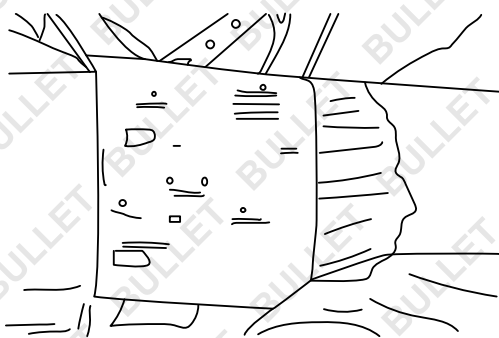
1. Before installation, check that the snorkel application is compatible with your vehicle.
3. Remove the plastic clips from the right-hand wheel arch liner and detach it from the mudguard to allow access to the air entry duct.



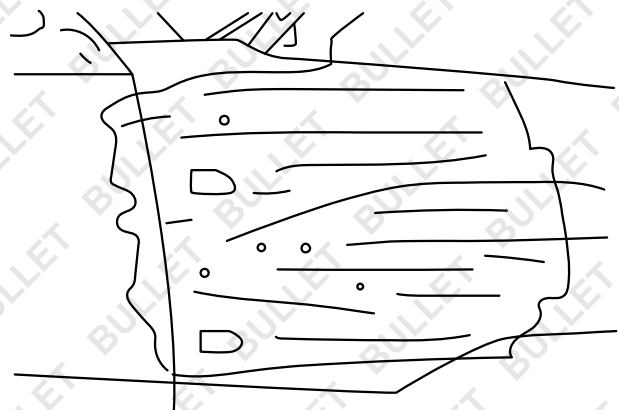
2. Remove right-hand side indicator from the mudguard.
4. Remove the plastic air entry duct.



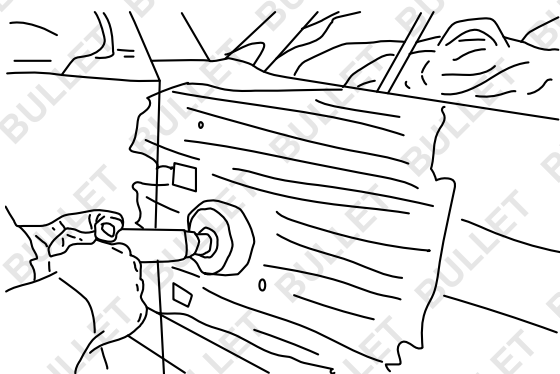
5. Apply masking tape to the top rear section of the right-hand mudguard and right hand windscreen pillar. Tape the mounting hole template to the mudguard, making sure it is lined up with the top of the mudguard (bonnet opening) and the rear of the mudguard (door opening).



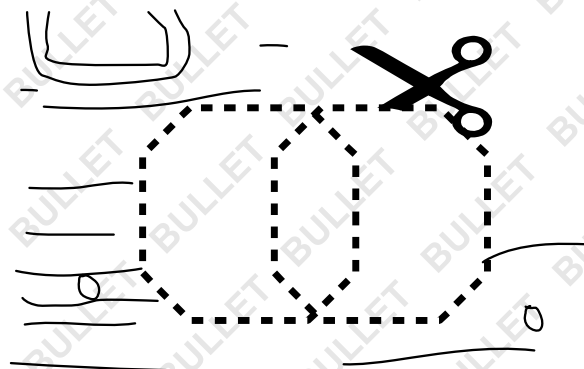
6. Using a felt tipped pen, mark all holes and the new location for side indicator.



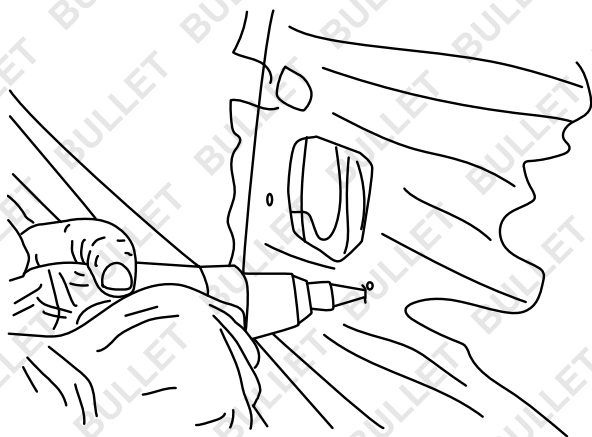
7. Remove the template. Using a 85mm hole saw cut two holes as marked.



8. Using an air hack saw or similar cut a straight line between the top and bottom of the holes to create an oval shaped hole.



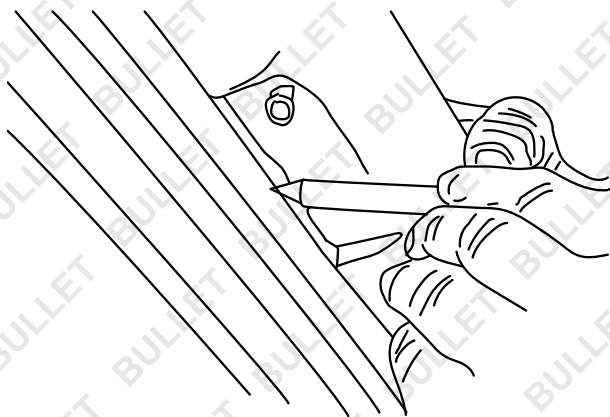
9. Drill three mounting holes to 16mm.



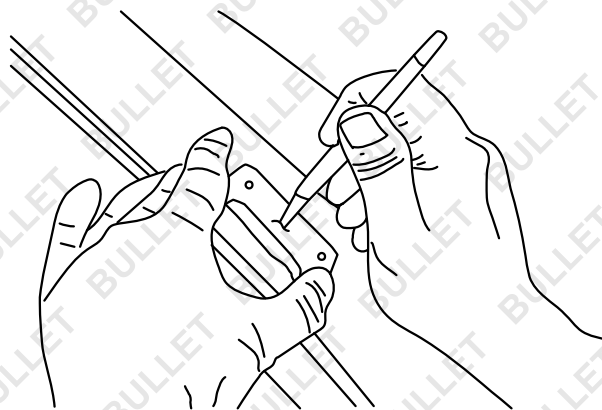
10. De-burr and rust-proof all holes (this applies to all holes or cutting after this step.)

11. Using a thread-locking compound, screw all studs into the snorkel body and attach the pillar mounting bracket loosely to the snorkel body using the supplied M6 bolts.

12. Hold the snorkel body in position on the mudguard and mark the position of the pillar mounting bracket on the pillar, then remove the snorkel.

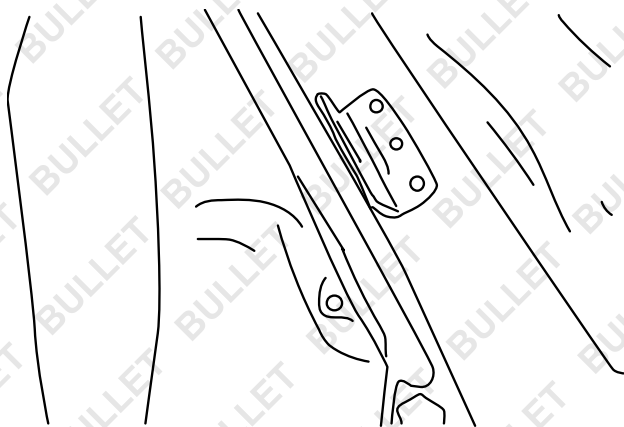


13. Remove the mounting bracket from the snorkel and hold it against the pillar in the position previously marked. Mark the three mounting hole positions, then drill the holes to 7.5mm.

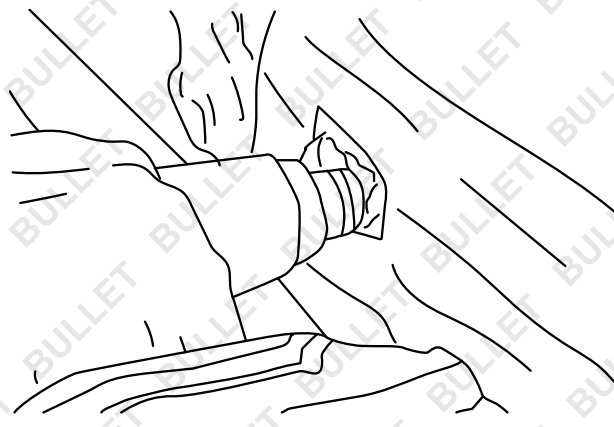


14. Apply silicone sealant to the holes and insert the mounting plugs. Attach the mounting bracket to the pillar using the supplied self-tapping screws.

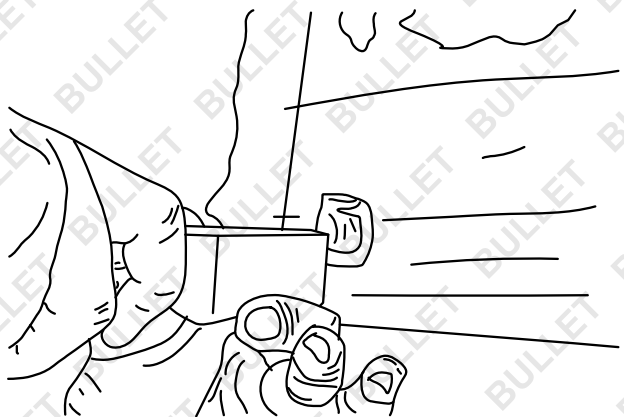
15. Drill a hole in the centre of new side indicator location.



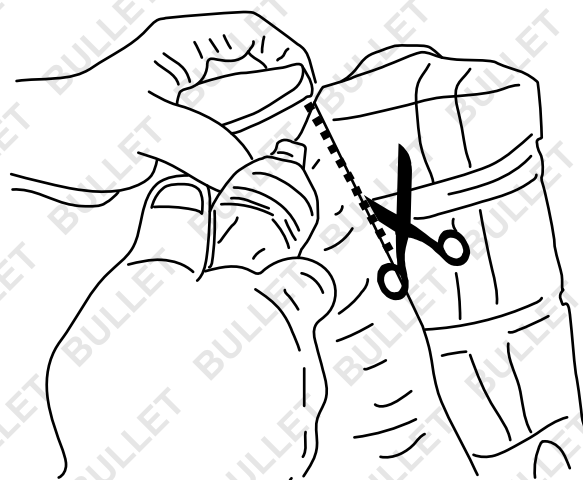
16. Cut out using an air hack saw or similar.



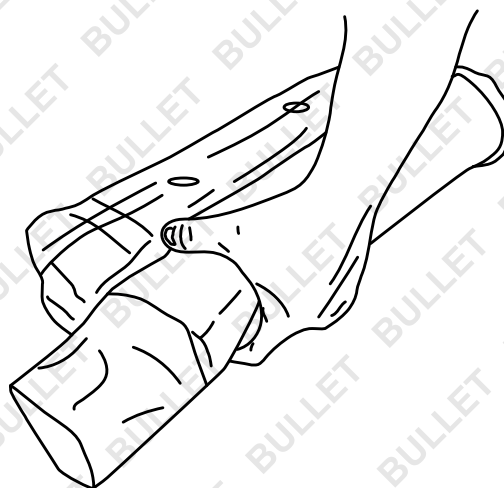
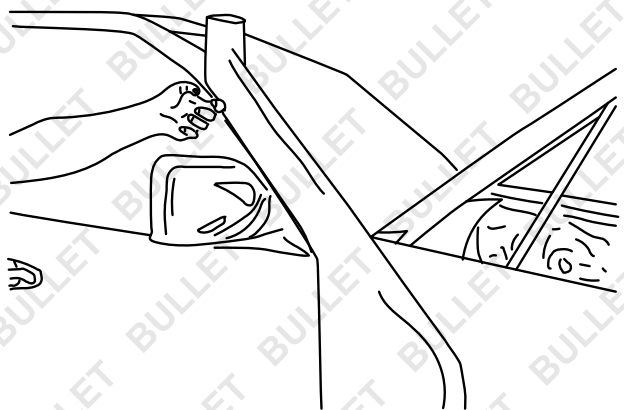
17. Using an air hack saw or similar, cut a 30mm slot between the air entry duct and boom box as shown, to allow rubber joiner to be installed.



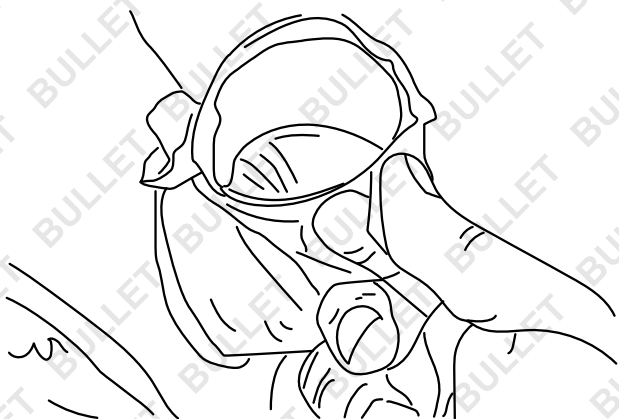
18. Install the snorkel body to the vehicle using the supplied M8 Nyloc nuts and body washers, and attach it to the pillar mounting bracket using the supplied M6 bolts.



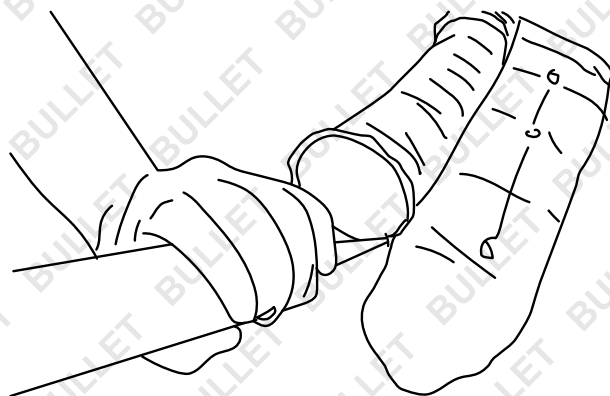
19. Attach the rubber joiner to the air entry duct and secure it with the supplied hose clamp.



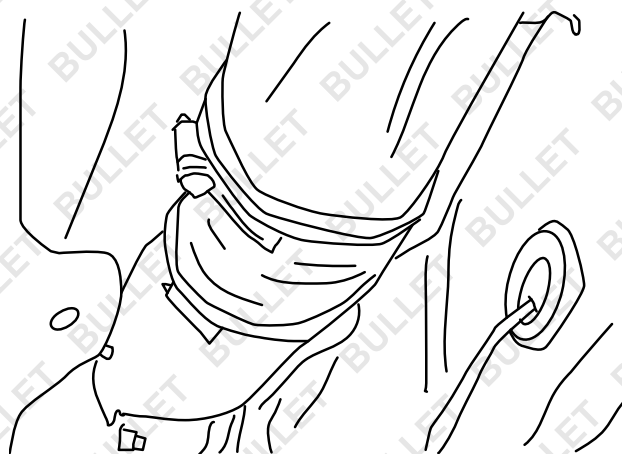
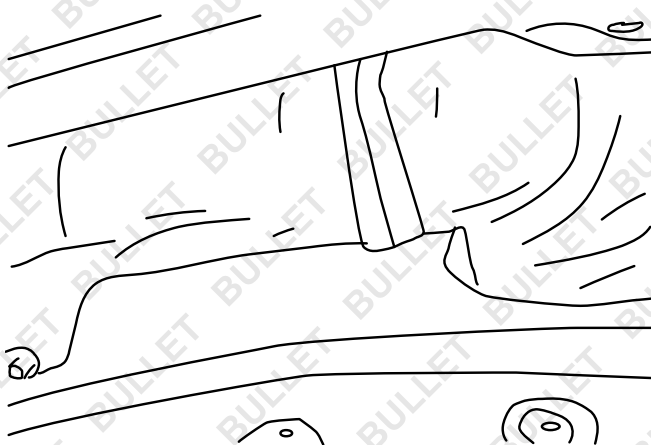
20. Remove the foam seal from the air box elbow under mudguard.



21. Apply silicone sealant to the inside of the air entry duct, to seal to the air box elbow.



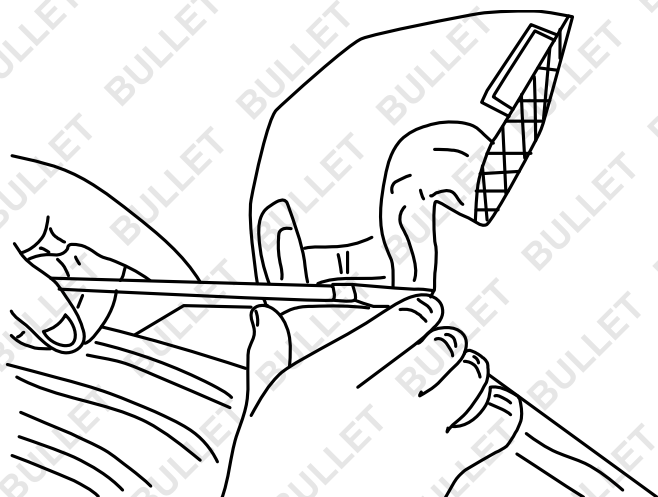
22. Install the duct between the snorkel and elbow, then secure the hose clamps.



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

24. Re-install the guard liner and side indicator.

25. Fit the air ram and secure it with the supplied hose clamp.







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- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
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