



SNORKEL KIT FOR TOYOTA LANDCRUISER 4x4 – ST 100A

USER MANUAL

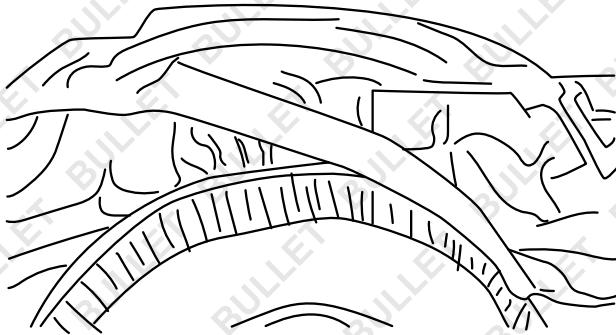
[Revision 2.0 November 2016]

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

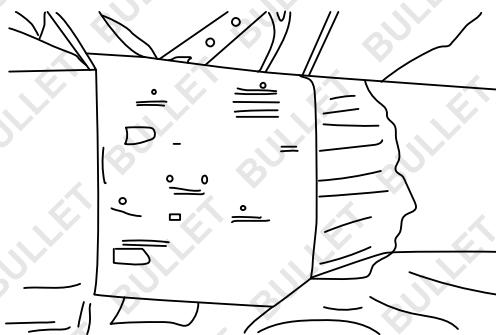
Some tools required for installing:

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

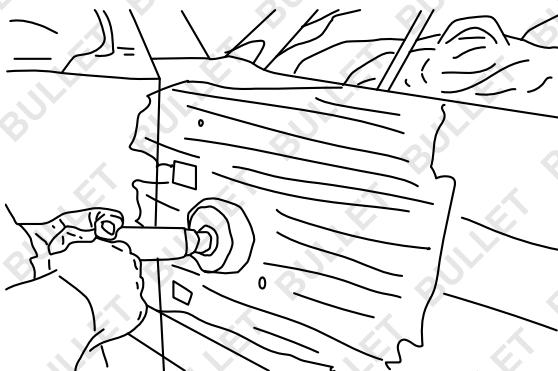
1. Before installation, check that the snorkel application is compatible with your vehicle.
3. Remove the plastic clips from the right-hand wheel arch liner and detach it from the mudguard to allow access to the air entry duct.



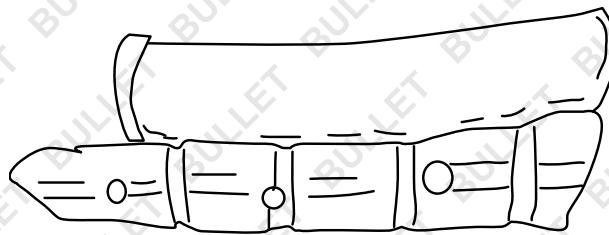
5. Apply masking tape to the top rear section of the right-hand mudguard and right hand windscreens pillar. Tape the mounting hole template to the mudguard, making sure it is lined up with the top of the mudguard (bonnet opening) and the rear of the mudguard (door opening).



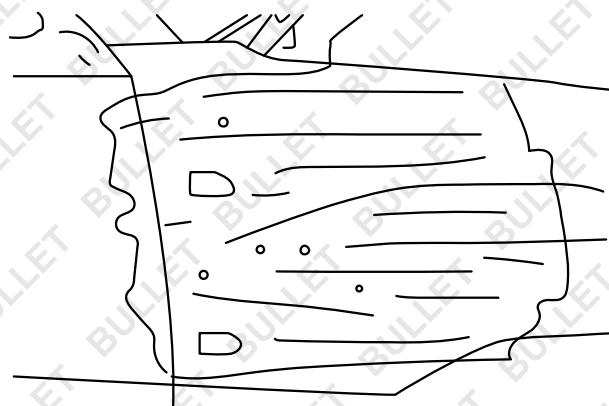
7. Remove the template. Using a 85mm hole saw cut two holes as marked.



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

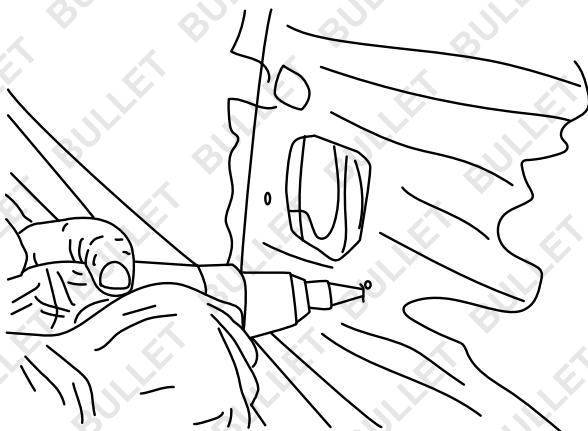


6. Using a felt tipped pen, mark all holes and the new location for side indicator.

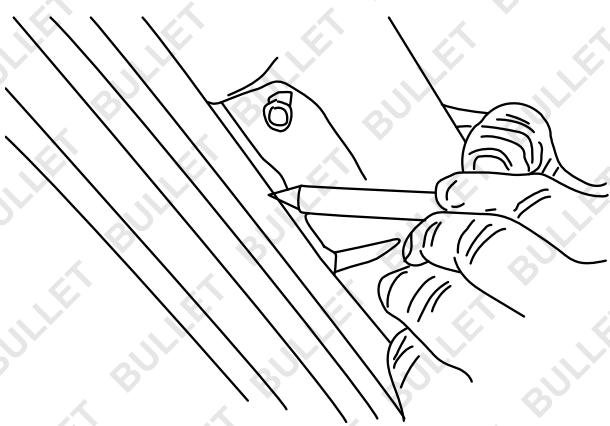


8. Using an air hack saw or similar cut a straight line between the top and bottom of the holes to create an oval shaped hole.

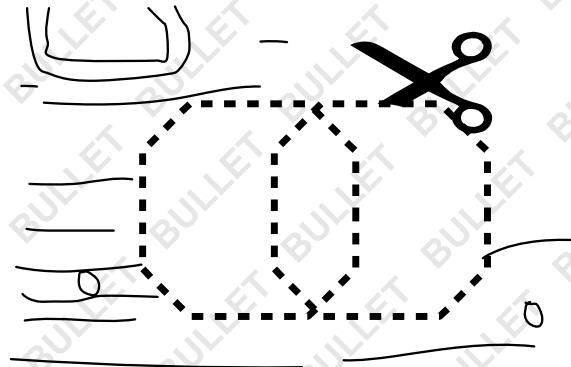
9. Drill three mounting holes to 16mm.



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.



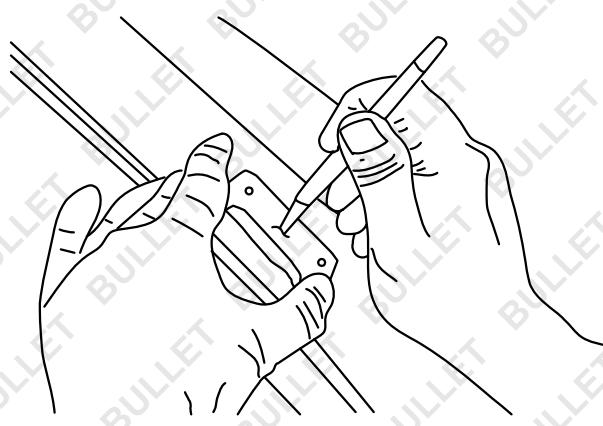
14. Apply silicone sealant to the holes and insert the mounting plugs. Attach the mounting bracket to the pillar using the supplied self-tapping screws.



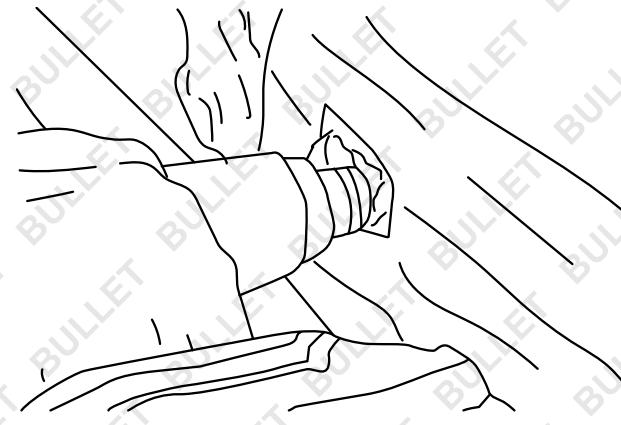
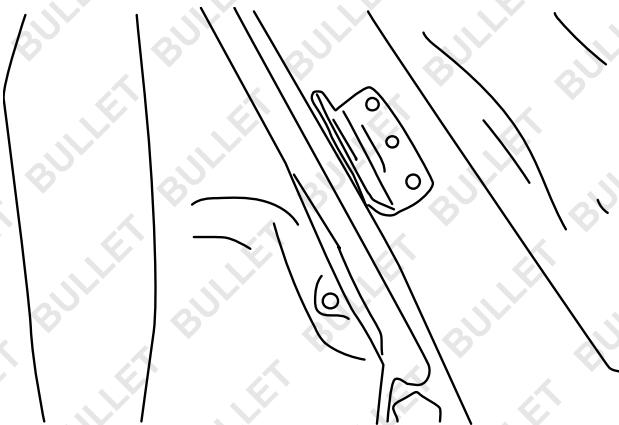
10. De-burr and rust-proof all holes (this applies to all holes or cutting after this step.)

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.

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.

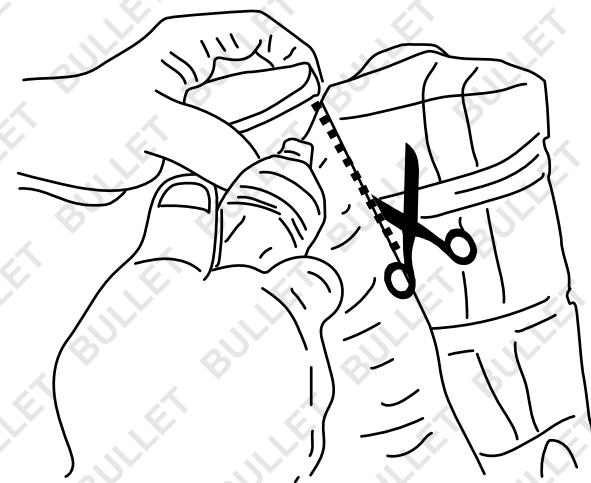
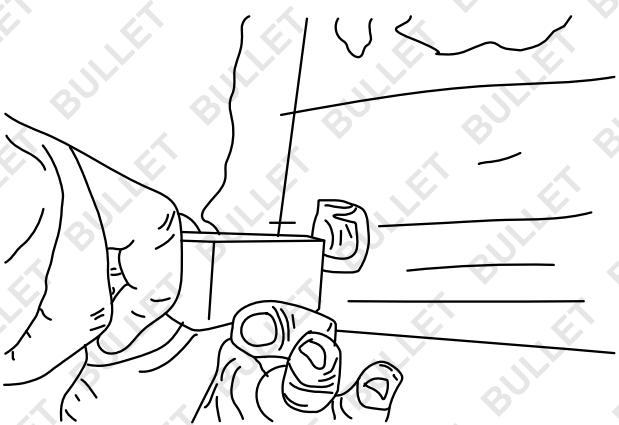


15. Drill a hole in the centre of new side indicator location.

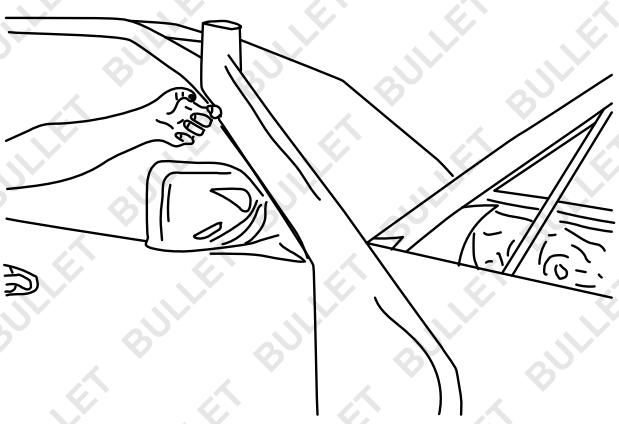


16. Cut out using an air hack saw or similar.

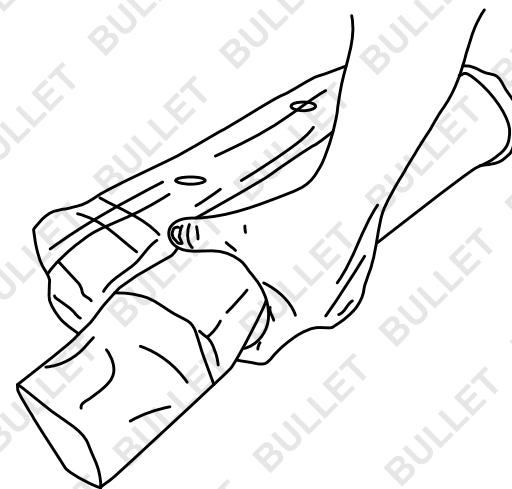
17. Using an air hack saw or similar, cut a 30mm slot between the air entry duct and boom box as shown, to allow rubber joiner to be installed.



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.



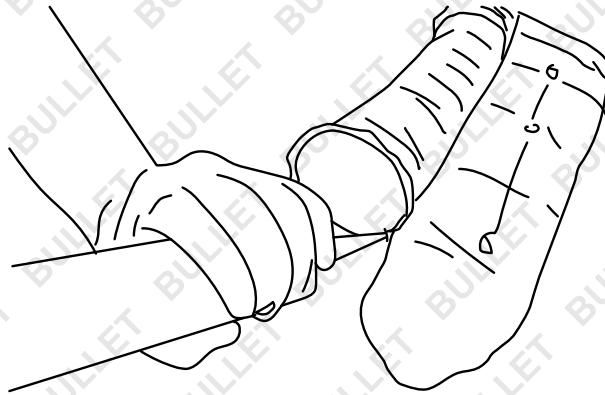
19. Attach the rubber joiner to the air entry duct and secure it with the supplied hose clamp.



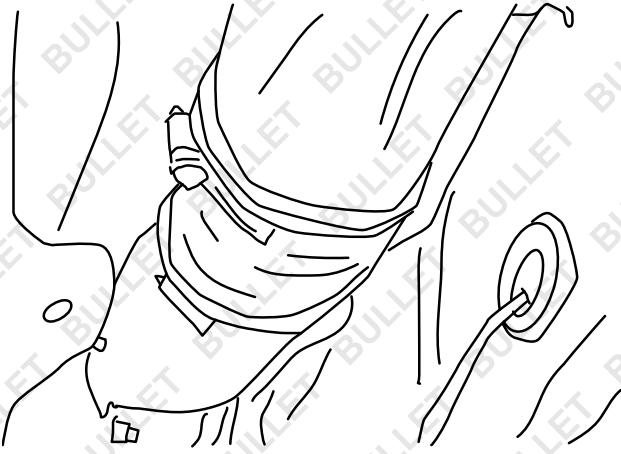
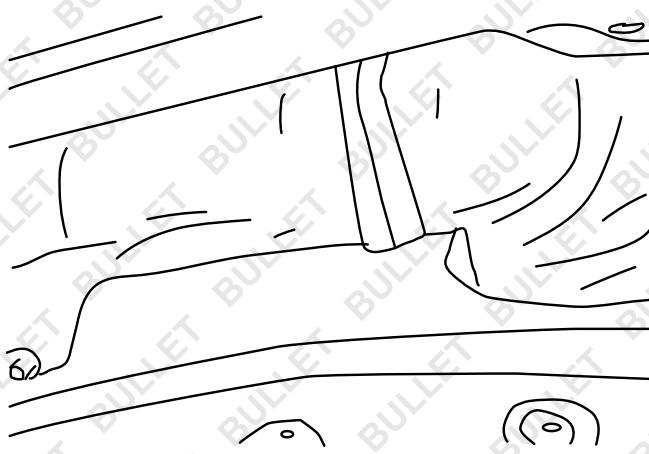
20. Remove the foam seal from the air box elbow under mudguard.



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



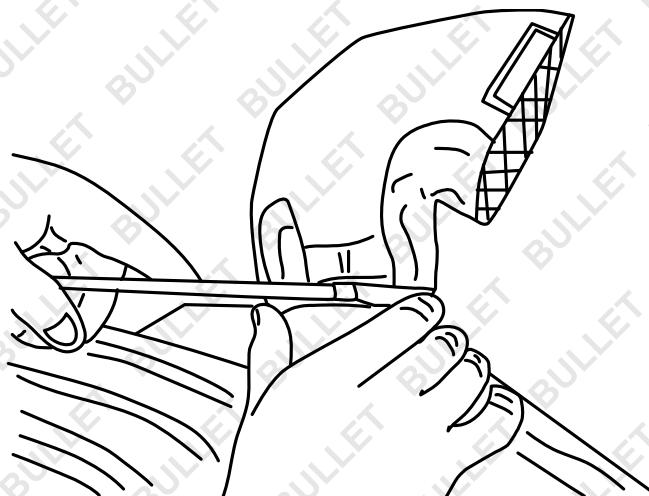
22. Install the duct between the snorkel and elbow, then secure the hose clamps.



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.





Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- 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.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

