

# INSTALLATION GUIDE



## Toyota Prado 120 Series SN59-3355 SN59-3445



This Snorkel will take approximately 3 hours to install and is installed to the Right Hand Side of the vehicle.

Tools required are:

- 95mm hole saw
- Step Drill, drill bits and drill
- Masking Tape
- Sensor safe Sealant (Sikaflex 227 Recommended)
- Touch up Paint and small brush or cotton bud
- Allen keys & Spanners
- Pop rivet gun
- Small Square file
- Screw Drivers
- Centre Punch and Hammer

Dobinsons 4x4 Snorkels should only be installed by a qualified technician. It is the installer's responsibility to ensure all bare metal is suitably rust proofed and all connections are water tight and sealed only with a "SENSOR SAFE" type sealant (Sikaflex 227 Recommended). Fully read and understand the instructions before beginning the installation.

# TEMPLATE OUTLAY





# Fitting Guide

1. Remove the RH plastic inner wheel arch guard.



2. Remove the air-box intake duct.  
3. Remove the air-box assembly.



4. Apply masking tape to the RH quarter panel, it is a good idea to cover the whole panel so you do not scratch it when working around it.  
5. Check the template against the snorkel body. Align the template on the vehicle as seen in picture on page 2, and tape it down and double check again.  
6. Once you are happy with the alignment of the template centre punch the 5 holes.



7. Drill the 5 holes with a small pilot drill, then remove template  
8. Using the step drill, drill the 5 stud holes out to 16mm to clear the studs.  
9. Using a 95mm hole saw on low speed drill the 1 hole to clear the snorkel body.



10. Remove the burrs from all holes with file or deburrer.  
11. Fit the upper snorkel body mount to the snorkel with the bolts supplied. Do not over tighten  
12. Fit the 5 studs to the snorkel body with thread lock and tighten with Allen key, DO NOT over-tighten.  
13. Put some masking tape on the A-Pillar approximately where the upper bracket will mount.  
14. Test fit the snorkel body carefully and mark the top mounting bracket position.



15. Remove the snorkel, remove the bracket from the body, position it into the marks and mark the holes.





16. Remove the snorkel and centre punch.



17. Pilot drill the holes, and then drill to suit the rivets supplied. It is a good idea when doing this to drill through a block of wood or equivalent spacer so that only about 5mm of the drill tip sticks out so you do not drill through your interior or air bags

18. Remove the burrs from these holes, remove masking tape, paint all bare metal surfaces including the holes drilled in the quarter panel, and remove all metal fillings from the A-Pillar and quarter panel.

19. Place a small amount of sealant in each hole.

20. Fit the upper mounting bracket to the vehicle using rivets supplied.

21. Fit the corresponding rubber joining hose and 2 hose clamps to each end of the plastic elbow duct, applying a bead of sensor safe sealant to both ends of the hose. NOTE: There are 2 slightly different sizes make sure you use the correct one to mount to the snorkel body.

22. Slide the elbow duct into the guard into place.

23. Carefully fit the snorkel body to the quarter panel aligning the rubber joiner onto the snorkel body mount.

24. Tighten the hose clamps.

25. On each stud put a large flat washer supplied and a nyloc nut and do up finger tight.

26. Using the bolts supplied, bolt the top bracket into the plastic screw clips. DO NOT OVER TIGHTEN.

27. Tighten the nyloc nuts on the stud and the upper mounting bolts.

28. On the mouth of the air-box intake duct there may be 2 raised parts sections that need to be removed to allow the rubber joining hose to seal correctly. Use a grinder or similar to remove these.

29. Using gloves apply sensor safe sealant to both ends of the remaining rubber joining hose and fit to the new air duct and air intake, and fit the remaining 2 stainless steel hose clamps.

30. Refit the air-box assembly aligning the airbox intake into the new rubber joiner and tighten both hose clamps.

31. Refit the inner wheel arch guard and any other items removed during installation.

32. Fit your Dobinsons 4x4 Ram head to the top of the snorkel with the black hose clamp supplied.