

## Toyota Prado 90/95 3.4i V6

**SN59-3357**

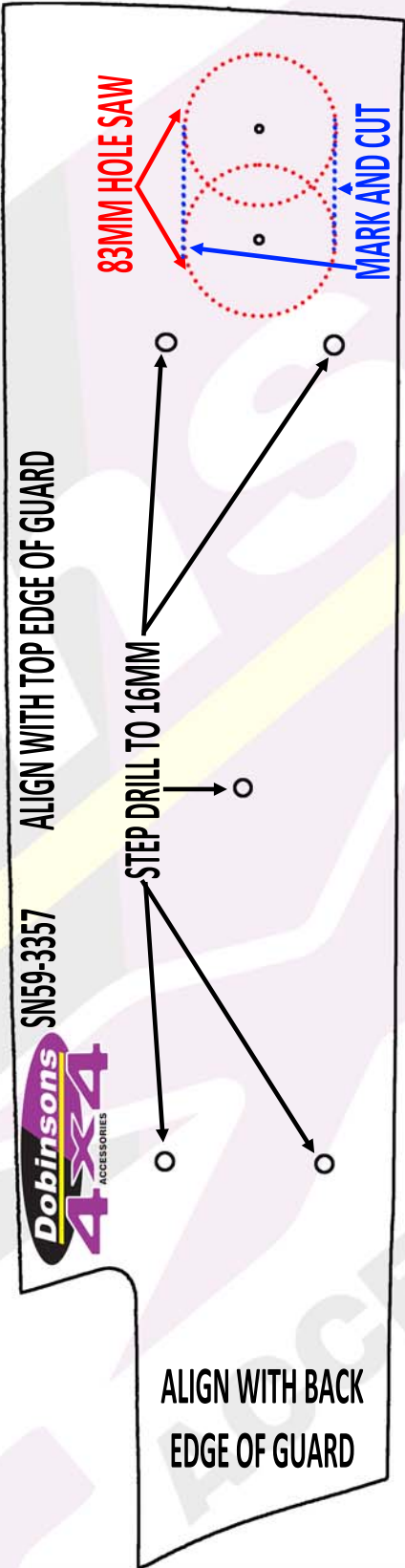


This Snorkel will take approximately 2 hours to install and is installed to the Right Hand Side of the vehicle.

Tools required are:

- 83mm 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
- Pneumatic Hacksaw or equivalent

# TEMPLATE OUTLAY



# Fitting Guide

1. Apply masking tape to the RH quarter panel, it is a good idea to cover the whole guard to prevent scratching. Also apply masking tape to the A-pillar and A-pillar trim, this is required for marking and drilling the upper snorkel mount.

2. Remove the RH plastic inner wheel arch guard.



3. Remove the air box assembly.

4. Remove the air intake duct from inside the guard, and the intake duct to air box elbow.



5. From inside the guard pop out the indicator and disconnect it, this will make it easier to access the studs.

6. 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.



7. Once you are happy with the alignment of the template centre punch the 7 holes.

8. Drill the 7 holes with a small pilot drill.

9. Using the step drill, drill the 5 stud holes out to 16mm to clear the studs to ensure the studs clear the body. Using an 83mm hole saw on low speed drill the remaining 2 holes to clear the snorkel body outlet.

10. Mark a line top and bottom between the 2, 83mm holes as seen on page 2 and carefully cut using a pneumatic hack saw or equivalent.

11. Remove the burrs from all holes with file or deburrer.



12. Using a hammer and drift, bend the lower section of the inner guard bracing in, this will allow clearance of the snorkel body outlet.

# Fitting Guide



13. Fit the upper snorkel body mount to the snorkel with the bolts supplied. Do not over tighten
14. Fit the 5 studs to the snorkel body with thread lock and tighten with Allen key, DO NOT over-tighten.
15. Test fit the snorkel carefully and mark the position of the upper mounting bracket. This is done by marking the top and bottom edges and then by marking the outer edge.



16. Remove the snorkel body, remove the upper bracket and position on the A-pillar in the position marked in step 15, and mark the 4 mounting holes.



17. Remove the bracket, centre punch the holes.
18. Pilot drill the holes, and then drill to 6mm. 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.



19. 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 gutter and quarter panel.
20. Apply a small amount of sealant to each of the holes in the A-pillar and fit the plastic screw clips to the A-Pillar mounting holes.

# Fitting Guide



21. Using the screws supplied, install the top bracket into the plastic screw clips. **DO NOT OVER TIGHTEN.**

22. Fit the snorkel body to the quarter panel and on each stud put a large flat washer supplied and a nyloc nut and do up finger tight.

23. Mount the snorkel body to the upper mounting bracket using the bolts supplied.

24. Tighten the nyloc nuts on the studs, and tighten the upper mount bolts.

25. Slide the rubber joiner and 2 stainless hose clamps supplied loosely onto the snorkel body outlet.



26. Remove the original air box to intake adaptor by drilling out the 2 rivets and remove the metal filings.



27. Slide the plastic elbow duct into the guard with the round end aligning into the rubber joiner, this can be quite difficult to line up.

28. Test fit the air box assembly back into the vehicle aligning the square end of the duct with the air box intake.

29. Once you are happy with the fitment remove the air box.

30. Apply sensor safe sealant to both the outside of the square section of the joining duct, and the inside of the air box entry. This will provide a seal between the 2 items.

31. Re-install the air box taking care not to spread the sealant.



32. Tighten both hose clamps from inside the wheel arch on the rubber joining hose.

33. Bolt the Air box assembly into position.

34. Drill a 2mm hole and install the self tapping screw to fix the new elbow duct to the airbox intake.

# Fitting Guide



35. Apply sealant to any areas required in the air box to ensure a sealed unit.

36. Tighten the hose clamps under the guard.



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

38. Refit all nuts and bolts to the air box assembly, refit the air filter and air box cover.

39. Re-install and re-connect the indicator.

40. Refit the inner guard and any other items removed during installation.

41. Allow the sealant to cure before running the vehicle.