

Toyota Landcruiser 80 Series

SN59-3361



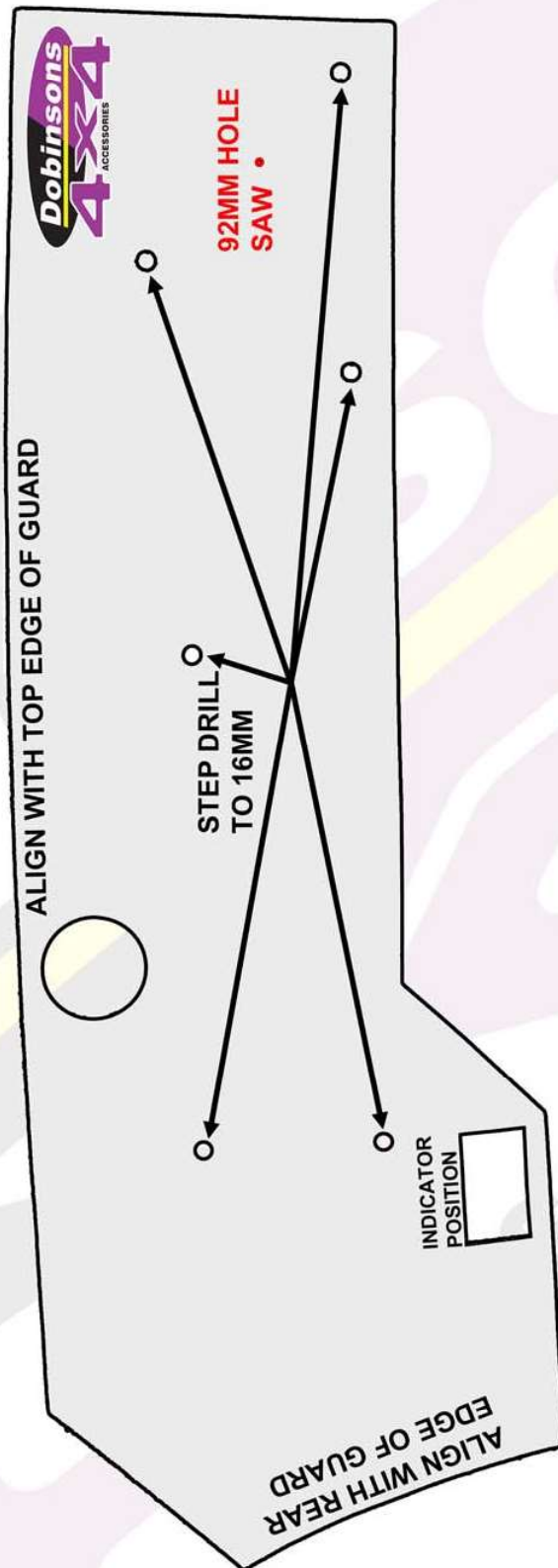
This Snorkel will take approximately 2.5 hours to install and is installed to the Right Hand Side of the vehicle.

Tools required are:

- 92mm 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 air box assembly.



2. Remove the right hand front indicator assembly next to the headlight to allow access between the inner guards. Also remove the right hand indicator on the side panel.



3. Remove the original air intake duct located between the inner and out guards.
4. Apply masking tape to guard, it is a good idea to cover the whole panel to prevent accidental damage. Apply masking tape to the pillar as well for marking and attaching the upper snorkel body mount.
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 7 holes.
7. Drill the 7 holes with a small pilot drill.
8. Using the step drill, drill the 6 stud holes out to 16mm to clear the studs to ensure the studs clear the body. Using a 92mm hole saw on low speed drill the remaining hole to clear the snorkel body outlet.

9. Remove the burrs from all holes with file or deburrer.
10. Fit the upper snorkel body mount to the snorkel with the bolts supplied. Do not over tighten.
11. Fit the 6 studs to the snorkel body with thread lock and tighten with Allen key, DO NOT over-tighten.
12. Test fit the snorkel carefully and mark around the outside of the upper mounting bracket for its mounting position.
13. Remove the snorkel body and remove the upper body mount from the snorkel.
14. Position the upper body mount onto the vehicle in the position marked in step 13 and mark the holes.
15. Carefully centre punch each hole.
16. 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. If using pop rivets to attach the bracket, drill the holes to suit the rivets.



17. Remove the burrs from these holes and remove masking tape
18. 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.
19. Rivet the upper mounting bracket to the A-pillar.

Fitting Guide

20. Fit the snorkel body to the quarter panel and on each stud put a large flat washer supplied and a nyloc nut.
21. Align the snorkel body with the upper mounting bracket and fasten using the bolts supplied.
22. Tighten all nyloc nuts onto the studs and bolts on upper bracket.
23. Apply sealant around the inside of each end of the rubber joining hose.
24. Slide the rubber joining hose into the guard and onto the snorkel body outlet.
25. Loosely fit a hose clamp to each end.



26. Refit air-box assembly whilst aligning the air-box intake pipe with the rubber joiner fitted in step 25.
27. Tighten both hose clamps, the hose clamp between the inner and out guards can be accessed through the front section where the indicator was removed.
28. Check air-box for any remaining holes that may need to be sealed with sealant.
29. Fit your Dobinsons 4x4 Ram Head to the top of the snorkel with the black hose clamp supplied
30. Refit all nuts and bolts to the air box, refit the air filter and air box cover.
31. Refit both indicators.
32. Allow the sealant to cure before running the vehicle.



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