

INSTALLATION GUIDE



Toyota Landcruiser 200s Facelift 10/15on SN59-3469

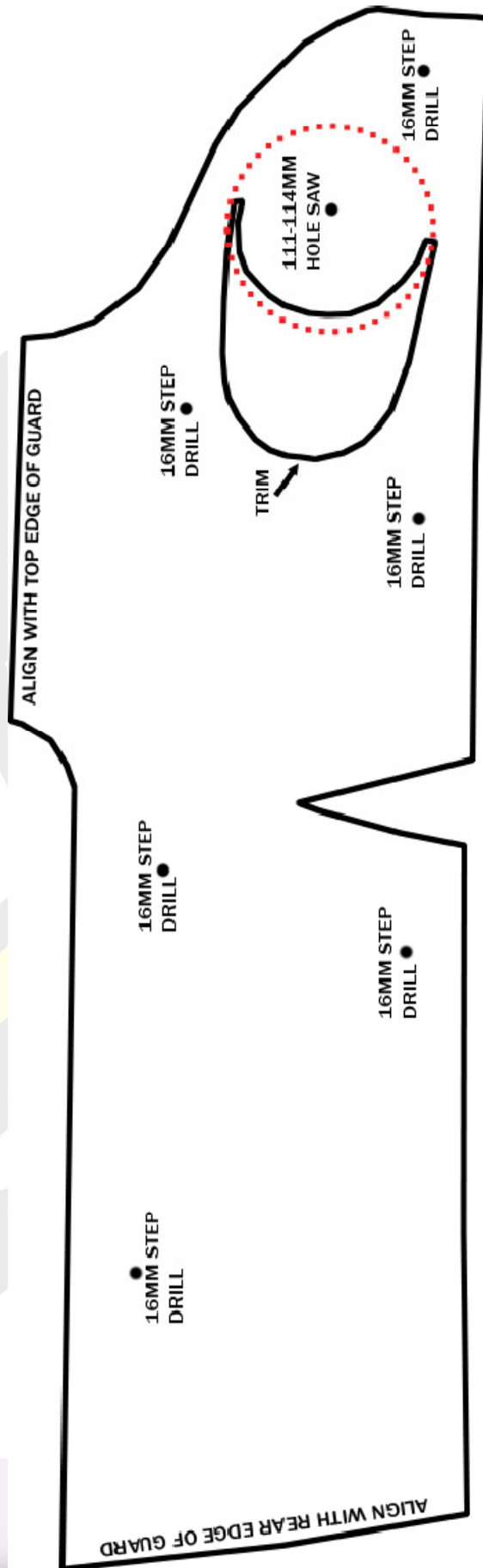


This Snorkel will take approximately 3 hours to install and is installed to the Right Hand Side of the vehicle.

Tools required are:

- Body saw or similar
- 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
- 111mm or 114mm holesaw
- Screw Drivers & torx bits
- 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.



Fitting Guide

1. Remove the RH mud flap.
2. Remove the RH plastic inner wheel arch guard.
3. Remove the plastic air box joiner located above the inner wheel arch.
4. Remove the air box assembly and air box intake duct.
5. Check the template against the snorkel body.
6. 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 6 holes and mark the cut away section.



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

9. 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 111mm or 114mm hole saw on low speed drill the remaining hole to clear the snorkel body outlet.
10. Then using the Pneumatic hacksaw or similar cut away the section as seen on page 2.



11. Remove the burrs from all holes with file or deburrer.
12. Fit the upper snorkel body mount to the snorkel with the bolts supplied. DO not over tighten
13. Fit the 6 studs to the snorkel body with thread lock and tighten with Allen key, DO NOT over-tighten.
14. Put some masking tape on the A-Pillar approximately where the upper bracket will mount.
15. Test fit the snorkel carefully and mark the top Mounting bracket position.

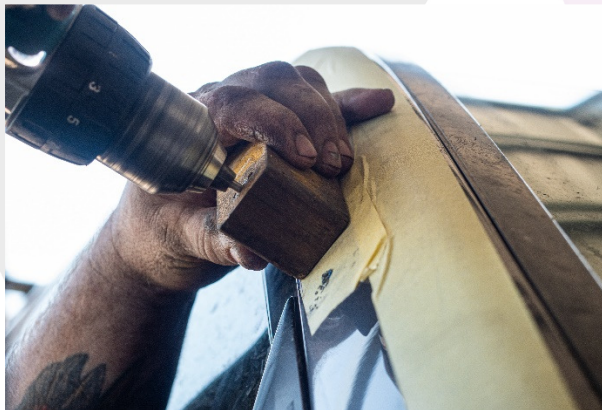


16. Remove the snorkel, align the upper mounting bracket into the position from the

previous step, mark the top mounting bracket holes and centre punch.



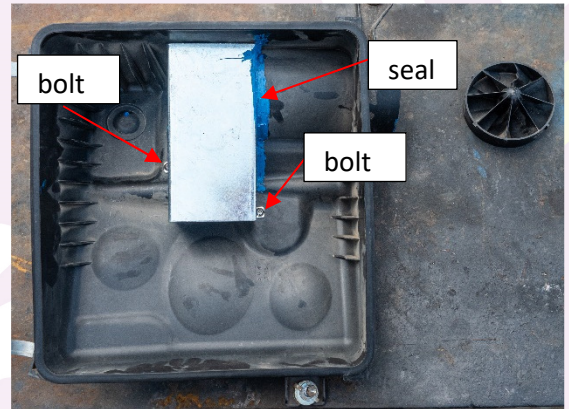
17. Pilot drill the holes, and then drill to suit the rivets supplied. It is a good idea to drill through a piece of wood or something similar with just the tip of the drill bit sticking out to prevent drilling to far into the interior.



18. Remove the burs 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.
19. Apply a small amount of sealant to each hole and Pop Rivet the upper mounting bracket to the A-Pillar.



20. Remove the foam and pre-spinner from the air box intake as seen below
21. Install the inner stainless steel baffle into the airbox in the position as seen below. Drill holes to suit the small bolts supplied. Bolt the baffle in as shown and seal the face the joins the airbox inlet as shown.



22. Seal the airbox drain valve, small drain hole and the bolts and nuts installed in the previous step.



23. Apply a thick bead of sealant to the inside of the airbox inlet and install the inlet brace sleeve.



- 24. Re-fit the air box assembly to the vehicle.
- 25. Slide the rubber joining hose between the guards and onto the airbox with a stainless hose clamp but do not tighten yet.
- 26. On the inside of the guard slide the remaining stainless clamp onto the rubber joiner.



- 27. 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, aligning the snorkel body outlet with the rubber joining hose. You may have to rotate the rubber joiner to align them correctly.



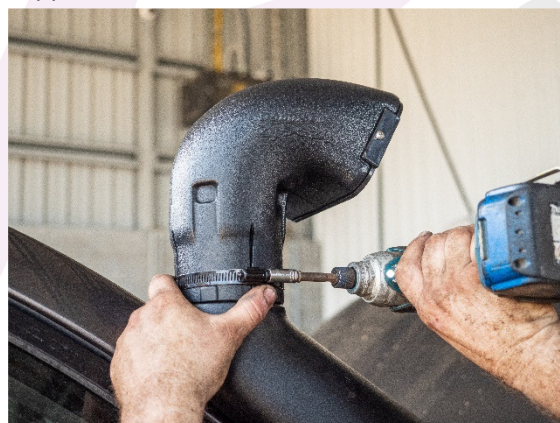
- 28. Bolt the snorkel to the upper mounting bracket and tighten. **DO NOT OVERTIGHTEN**



- 29. Tighten all nuts on the studs.
- 30. Tighten BOTH hose clamps.



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



- 32. Refit all nuts and bolts to the air box, refit the air filter and air box cover.
- 33. Refit the inner guard.
- 34. Allow the sealant to cure before running the vehicle.