

INSTALLATION GUIDE



Toyota Landcruiser 75/78 series 1HZ

SN59-3375



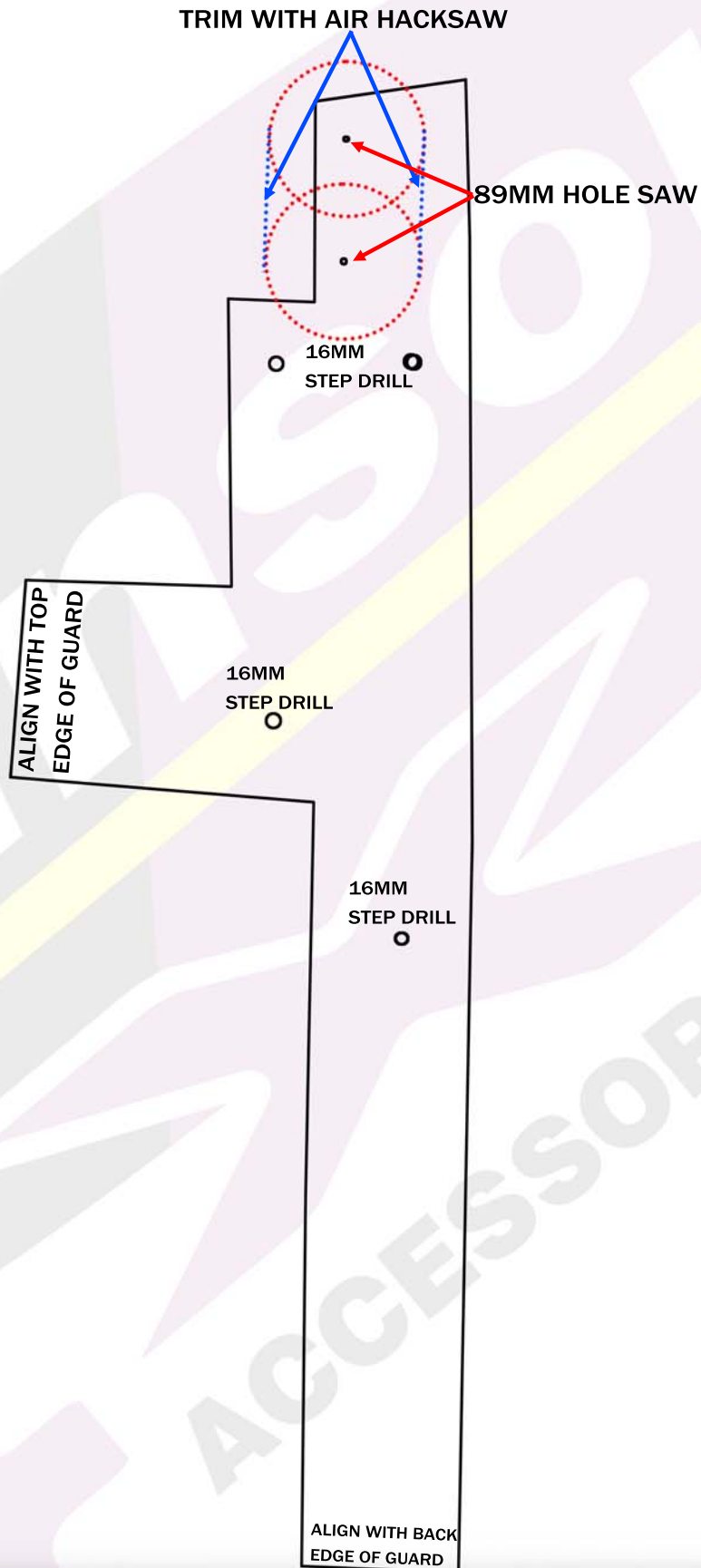
This Snorkel will take approximately 2 hours to install and is installed to the Right Hand Side of the vehicle.

Tools required are:

- 89mm 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



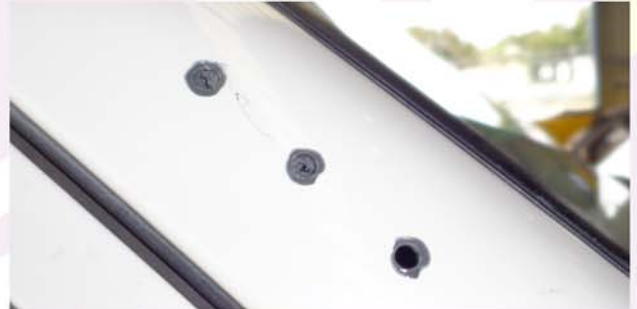
Fitting Guide

1. Remove the Land cruiser badge if equipped.
2. Remove the air box assembly.
3. Remove the fuel filter assembly.
4. Remove the standard air box entry ducting.
5. 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.
6. Check the template against the snorkel body. Align the template on the vehicle as seen in the 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.
8. Drill the 6 holes with a small pilot drill.
9. Using the step drill, drill the 4 stud holes out to 16mm to clear the studs to ensure the studs clear the body. Using an 89mm hole saw on low speed drill the remaining 2 holes to clear the snorkel body outlet.
10. Mark a straight line between the top and bottom of the 2, 89mm holes top and bottom to create an oval.



11. Using the pneumatic hacksaw or equivalent a along the line to create the oval shape to clear the snorkel body outlet (like above).
12. Remove the burrs from all holes with file or deburrer.
13. Fit the upper snorkel body mount to the snorkel with the bolts supplied. DO not over tighten
14. Fit the 4 studs to the snorkel body with thread lock and tighten with Allen key, DO NOT over-tighten.

15. Put some masking tape on the A-Pillar approximately where the upper bracket will mount.
16. Test fit the snorkel carefully and mark the top Mounting bracket holes, remove the snorkel and centre punch.
17. Pilot drill the holes, and then drill to 7.5mm. 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 gutter and quarter panel.
19. Fit the plastic screw clips to the A-Pillar mounting holes.
20. 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.
21. Using the screws supplied, screw the top bracket into the plastic screw clips. DO NOT OVER TIGHTEN. (or fix with pop rivets).
22. Tighten the nyloc nuts on the studs.
23. Fit the rubber joining elbow supplied to the snorkel body outlet inside the guard, with the stainless hose clamp supplied and tighten.
24. Re-fit the fuel filter assembly to the vehicle.
25. Slide the original air ducting hose clamp onto the rubber elbow and refit the air box aligning the air entry with the other end of the rubber elbow.
26. Tighten the hose clamp and all other components loosened or removed.
27. Fit your Dobinsons 4x4 Ram Head to the top of the snorkel with the hose clamp supplied.



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