

INSTALLATION GUIDE



Toyota Hilux Vigo 2005 on - V6 Petrol

SN59-3368



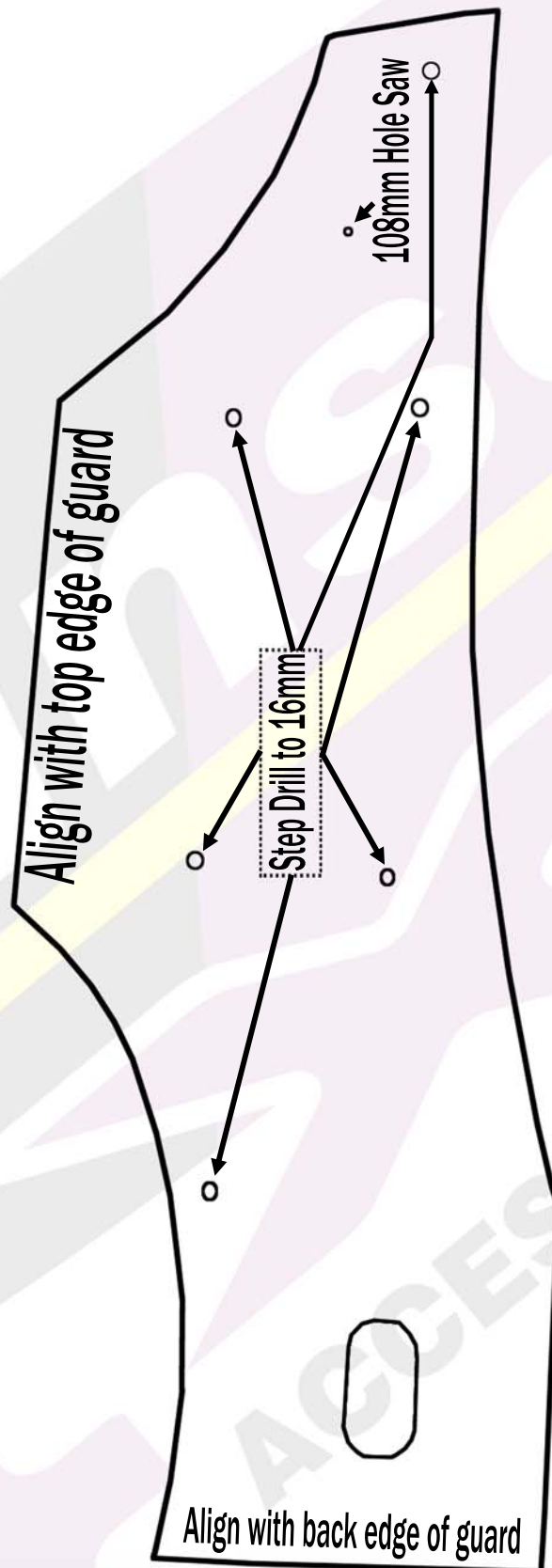
This Snorkel will take approximately 2 hours to install and is installed to the Right Hand Side of the vehicle.

Tools required are:

- 108mm 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
- Angle grinder

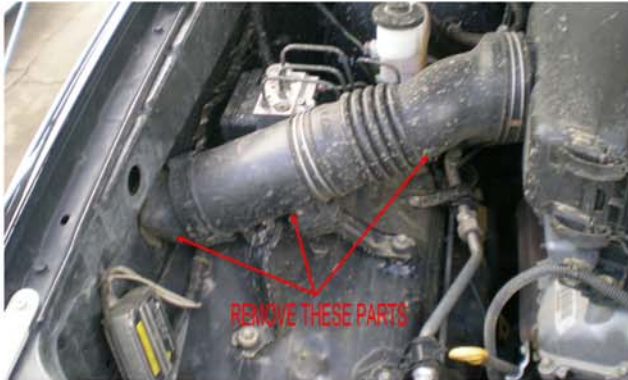
Dobinsons 4x4 Snorkels should only be installed by a qualified technician. It is the installer's responsibility to ensure all bare metal is suitably rust proofed and all connections are water tight and sealed only with a "SENSOR SAFE" type sealant (Sikaflex 227 Recommended). Fully read and understand 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 pre-spinner.
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 the 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, then remove template
8. Using the step drill, drill the 6 stud holes out to 16mm to clear the studs. Using a 108mm hole saw on low speed, drill the 1 hole to clear the snorkel body.
9. Remove the burrs from all holes with a 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. Put some masking tape on the A-Pillar approximately where the upper bracket will mount.
13. Test fit the snorkel body carefully and mark the top Mounting bracket holes. Open the door while you do this and ensure there is sufficient clearance, remove the snorkel and centre punch.



14. Pilot drill the holes, and then drill to suit the screws or 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 to prevent drilling through the interior or air bags.
15. 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.
16. Screw or rivet the mounting bracket to the a-pillar.



17. Using an angle grinder remove the 3 locating lugs on the inlet side of the pre-spinner assembly. This allows the rubber joiner supplied to fit correctly.
18. Fit the rubber joining hose supplied to the pre-spinner with the stainless hose clamp supplied.
19. Using gloves apply a bead of sealant to each end of the plastic elbow duct supplied and also apply a decent amount of sealant to

the snorkel body outlet.

21. Fit the plastic elbow duct into position in the guard. Align the small end into the rubber joiner fitted in step 18 and install a hose clamp. Align the large end of the elbow with the 108mm hole in the quarter panel for the snorkel body outlet. Apply a thick bead of sealant around the inside of the large end of the elbow and the outer of the snorkel body outlet to provide a seal.

22. Carefully fit the snorkel body to the quarter panel aligning the snorkel body outlet to the elbow duct.

23. Ensure the edge of the elbow duct is hard up against the snorkel body as far as it will go and install a screw through both to lock together.



24. Tighten the hose clamp on the other end of the duct.

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 of the snorkel body to the upper snorkel bracket fitted earlier and tighten. **DO NOT OVER TIGHTEN.**

27. Tighten the nyloc nuts on the stud.

28. Refit the inner wheel arch guard.

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



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