

INSTALLATION GUIDE



Isuzu D-Max/MU-X 06/12 on - 3.0I T/D

SN21-3456



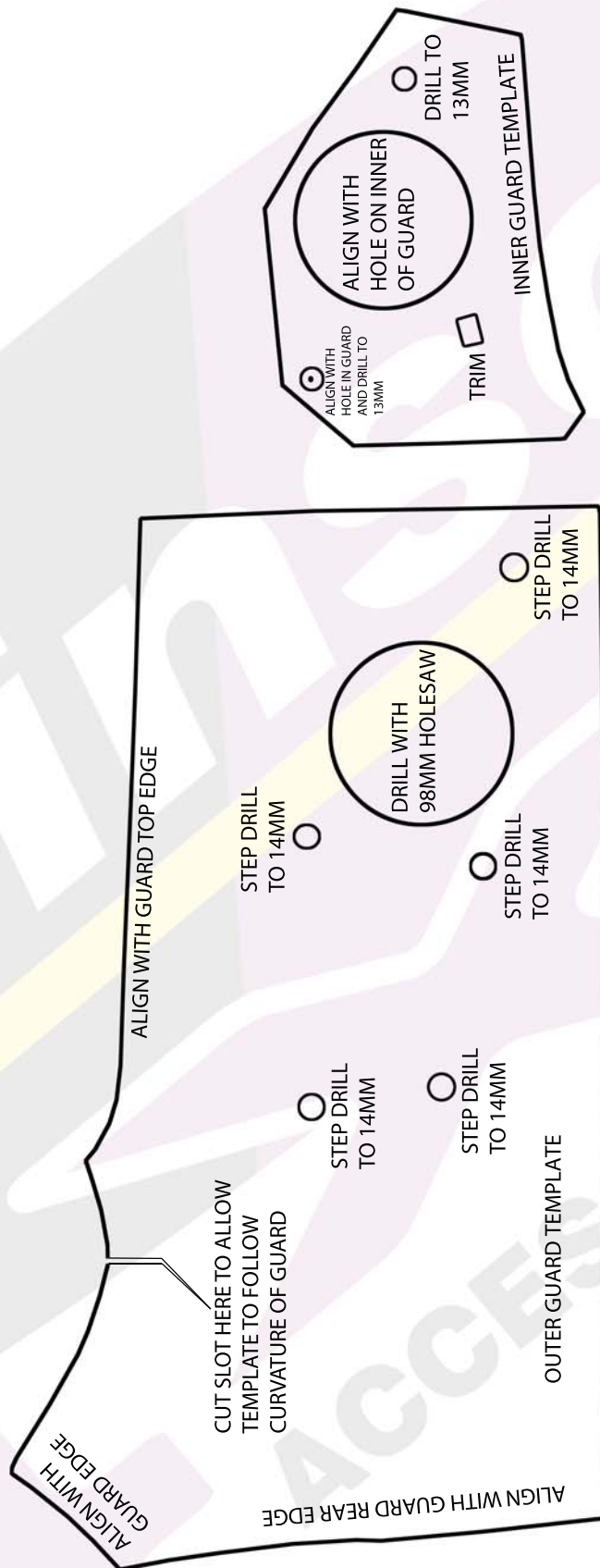
This Snorkel will take approximately 2.5 hours to install and is installed to the Right Hand Side of the vehicle.

Tools required are:

- 98mm 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 RH plastic inner wheel arch guard. Removing the RH wheel may also make this install easier.
2. Remove the air-box.
3. Remove inner guard duct from inside wheel arch.
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 scale line on the snorkel template and cut both templates out. Cut the small slot in the outer guard template to allow it to follow the curvature of the guard. Cut out the small rectangle and the large circle in the inner guard template.
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 6 holes.
8. Drill the 6 holes with a small pilot drill, then remove template
9. Using the step drill, drill the 5 stud holes out to 14mm to clear the studs, take care on the top hole as the inner guard is not far below the outer. Using a 98mm hole saw on low speed drill the remaining hole to clear the snorkel body.
10. Remove the burrs from all holes with file or deburrer.



11. Fit the upper snorkel body mount to the snorkel use the bolt supplied along with the small spring washer, small flat washer and large flat washer as seen in photo. Do not over tighten.



12. Fit the 5 studs to the snorkel body with thread lock and tighten with Allen key, DO NOT over-tighten.
13. Open the door and put some masking tape on the A-Pillar approximately where the upper bracket will mount.



14. Test fit the snorkel body carefully and mark the top mounting bracket holes. The mounting face of the bracket should sit flat against the inner edge of the door trim as seen above and the bend in the bracket should be against the corner edge.

15. Remove the snorkel and remove the top mounting bracket from the snorkel body.

16. Centre punch the holes.

17. Pilot drill the holes, and then drill to suit the rivets or clips 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.



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 and quarter panel.

19. Apply a small amount of sealant to the holes and rivet or screw the mounting bracket to the a-pillar.

20. From inside the engine bay align the inner guard template against the inner engine bay guard where the air box originally passed through the guard into the wheel arch. The centre hole in the template should align with the hole in the guard and the upper left alignment hole should also align with the bolt hole in the guard. The small rectangle section will also align with the hole in the guard for the wiring harness clip.

21. Mark the position of the 2 upper holes as seen in the diagram on page 2, centre punch and drill to 13mm.



22. Remove the drill filings, remove the burrs and rust proof the holes.

23. Peel away the backing on the adhesive foam liner and fix this to the new inner guard duct supplied.

24. The installer may also choose to apply a layer of sealant to the foam face to provide a seal against the inner guard.

25. Position the inner guard duct inside the guard inside the wheel arch and bolt the guard loosely to the inner guard through the holes drilled in the previous step.





26. Apply sealant to the entry side of the air box and duct that passes into the wheel arch to provide a seal. Seal any other holes in the airbox.

27. Apply a thick bead of sealant to the outer surface of the airbox entry duct that passes into the wheel arch and to the inner edge of the new inner guard duct supplied. This will allow the air box entry duct to be inserted into the new duct and sealed.

28. Reinstall the airbox inserting the air box entry into the new inner guard duct hole. Pull back the foam and using sealant ensure there is a water tight seal between the airbox and new inner guard duct, it is also recommend to apply sealant between the airbox foam ring and the inner guard panel.

29. Tighten all bolts on the airbox and re install all air box parts and tighten.

30. Align the entry end of the inner guard duct with the 98mm hole drilled in the outer guard earlier and tighten the bolts.



31. Apply a thick bead of sensor safe sealant to the inside of the entry end of the inner guard duct to provide a water tight seal against the snorkel body outlet.



32. Install the snorkel body carefully, aligning the snorkel body outlet with the inner guard.

33. On each stud put a large flat washer supplied and a nyloc nut and do up finger tight.

34. Bolt the top of the snorkel to the upper snorkel bracket.

35. Tighten the nyloc nuts on the studs, and tighten the upper mounting bolt.

36. 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 the snorkel body outlet and the inner guard duct.



37. Refit the inner wheel arch guard.

38. Re-fit and tighten any other items removed during installation.

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



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