

Snorkel Installation Guide



Part Number: SN21-3457

Holden/Chevrolet Colorado RG mid year 12on

DIESEL 2.8L TDI I4

Holden Colorado 7 SUV/Chevrolet Trailblazer 12on

DIESEL 2.8L TDI I4

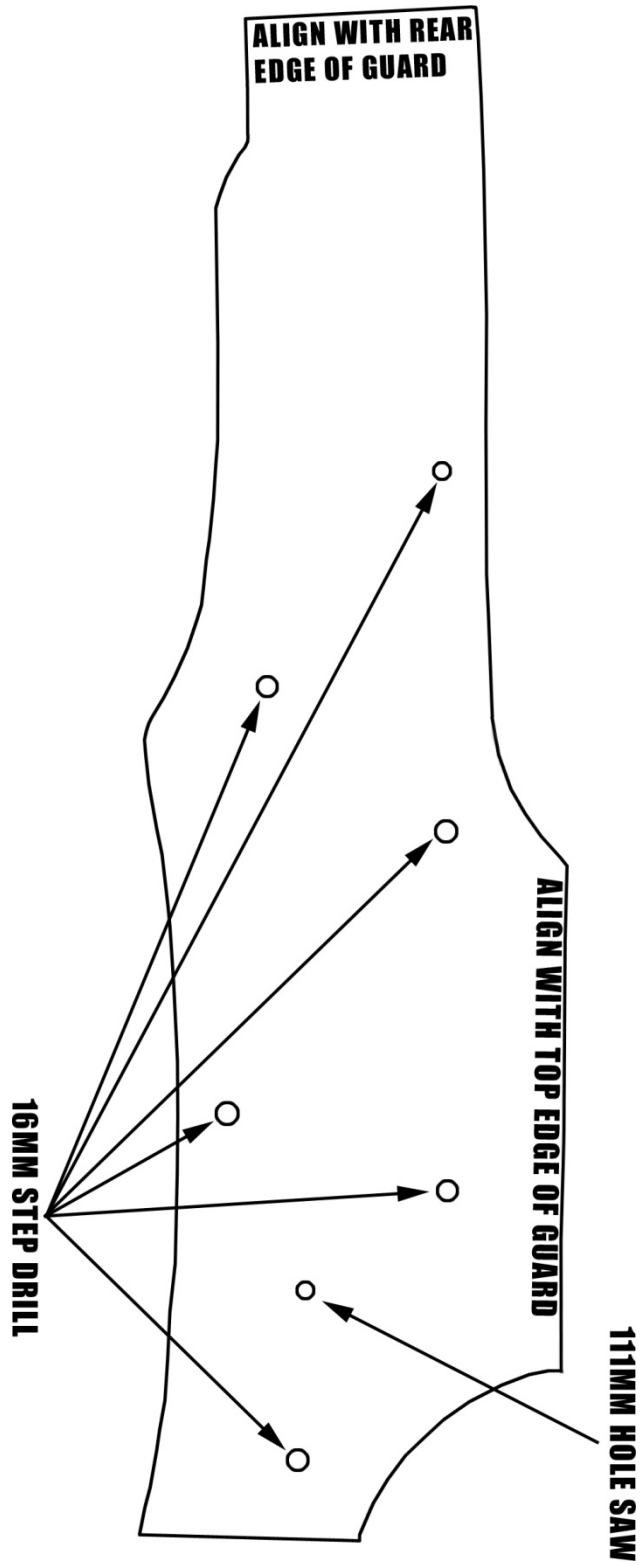
This Snorkel will take approximately 3 hours to install and is installed to the RIGHT hand Side of the vehicle

Tools required are

- 111mm hole saw
- Step Drill, drill bits and electric 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
- Pneumatic hacksaw/body reciprocating saw

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"(Sikaflex 227 Recommended) sealant.

Fully read and understand the instructions before beginning the installation





1. Remove the RH mud flap and plastic wheel arch guard.
2. Remove the air cleaner assembly.
3. Remove and discard the air intake duct from inside the guard.
4. Masking tape the RH guard, it is best to tape the whole guard to prevent scratches whilst working.
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 ensuring it is aligned with the top and rear guard edges.
7. Once you are happy with the alignment of the template centre punch the 7 holes.
8. Drill the 7 holes with a small pilot drill.
9. Remove the template and 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 hole saw on low speed drill the remaining hole to clear the snorkel body outlet.
10. Remove the burrs from all holes with file or deburrer.
11. Remove the air intake baffle from inside the guard – this is the piece that sits just on the inside of the 111mm hole drilled with the hole saw. A corner of the baffle protrudes into the 111mm hole.
12. When the 111mm hole was drilled, the hole saw will have made a mark on the top corner of the baffle closest to the 111mm hole.
13. Mark a line about 10-15mm about this hole saw mark and trim away this material using the pneumatic hacksaw or equivalent and re-install.
14. Fit the upper snorkel body mount to the snorkel with the bolts supplied. Only do up finger tight for now as this will be removed shortly.
15. Fit the 6 studs to the snorkel body with thread lock and tighten with Allen key, DO NOT over-tighten.
16. Put some masking tape on the A-Pillar approximately where the upper bracket will mount.
17. Test fit the snorkel carefully.
18. Mark the top mounting bracket position by marking the inside edge and the top and bottom edges of the bracket.
19. Remove the snorkel body and remove the bracket from the snorkel body.
20. Sit the bracket back in the marked position, mark the holes and centre punch.
21. Pilot drill the holes, and then drill to 7mm. 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 you are using pop rivets to attach the bracket drill the holes to suit the rivets.
22. Remove the burrs from these holes, remove masking tape and remove all metal fillings from the A-Pillar and quarter panel
23. Paint all bare metal surfaces including the holes drilled in the quarter panel with a zinc rich paint.
24. Apply a small amount of sealant to the upper mounting bracket holes drilled in step 20 and fit the plastic screw clips to the A-Pillar mounting holes.
25. Using the screws supplied, screw the top bracket into the plastic screw clips. DO NOT OVER TIGHTEN.
26. 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 inner guard duct.
27. Bolt the snorkel body to the upper snorkel mounting bracket.
28. Tighten the nyloc nuts on the studs, and tighten the upper mounting bracket bolts.
29. With the air cleaner assembly removed, you will see a moulded line on the front side of the round end of the assembly where it meets the vehicle guard.
30. Using the strip template provided align the edge of the template with the edge of the air cleaner assembly. Align the triangle cut out

section of this template with the mould line on the front so that the arrow is pointing upward and wrap the template around the air cleaner.

31. Mark the 3 hole positions and drill to 4mm.
32. Mark a line around the circumference of the steel air intake adaptor supplier 40mm in from the flat edge of the adaptor (not the notched end).
33. Insert the notched end of the steel adaptor into end of the air box assembly, aligning the notch in the adaptor with the air cleaner inlet housing.
34. Slide it in so that the line marked in step 31 is aligned with the end of the air cleaner intake, leaving 40mm of the steel adaptor exposed.
35. Mark the 3 mounting holes drilled in step 30 onto the steel adaptor, and drill to 4mm.
36. Apply sensor safe sealant to the inside of the air cleaner intake and re insert the steel adaptor aligning the notched end and the drilled holes.
37. Using the pop rivets supplied, rivet the adaptor to the air cleaner intake and clean any excess sealant for a neat finish.
38. Test fit the air cleaner assembly back into position in the vehicle and check for adequate clearance between the steel adaptor fitted and the standard hole in the inner guard panel. If there is insufficient clearance, mark and carefully remove the material from the panel required with a file, die-grinder, air hacksaw or equivalent. Remove the burrs, metal filings and paint the bare metal surfaces.
39. There is a drain valve on in bottom inner side of the air cleaner assembly, it is the installers choice whether or not to seal this with sensor safe sealant.
40. Re-install the air cleaner assembly.
41. Slide the hose clamps supplied over the rubber joining hose supplied and from inside the guard install this to the snorkel body outlet and the steel adaptor.
42. Align the hose clamps so they can be tightened from the bottom easily and tighten



both hose clamps ensuring a water tight seal between the snorkel body outlet and the air cleaner assembly.

43. Fit your Dobinsons 4x4 Ram Head to the top of the snorkel with the black hose clamp supplied.
44. Refit the inner guard and mud flap.
45. Refit and tighten any other components removed during installation.
46. Allow the sealant to cure before running the vehicle.