

Mitsubishi Delica L400

SN43-3451

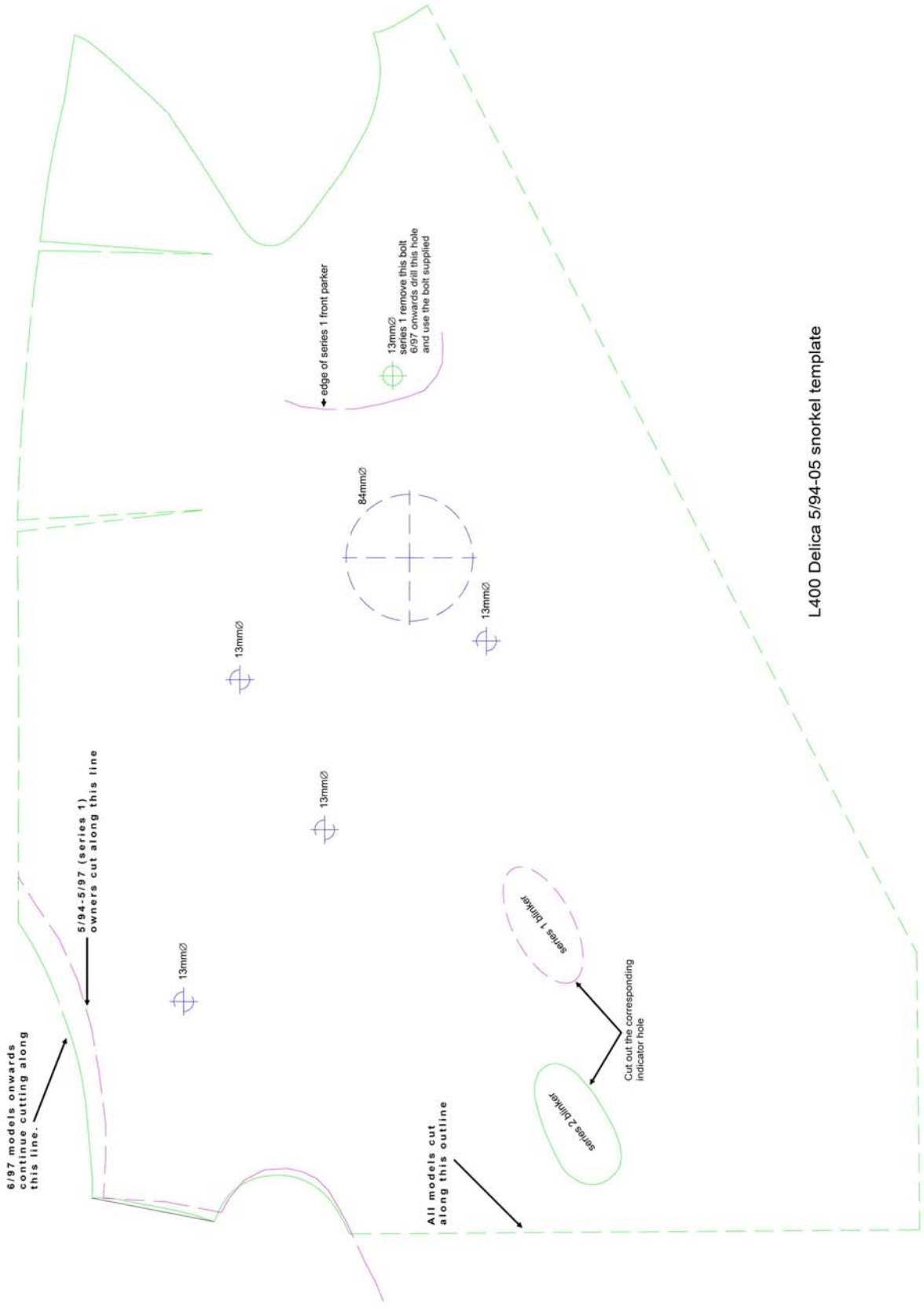


This Snorkel will take approximately 2.5 hours to install and is installed to the Right Hand Side of the vehicle.

Tools required are:

- 83mm 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
- Bearing Blue or equivalent marking solution

TEMPLATE OUTLAY



L400 Delica 5/94-05 snorkel template

Fitting Guide

1. Begin by unclipping the top of the air box, removing the air sensor plug (petrol models) and loosening the hose clamp holding the air box cover in place.
2. Remove the air box cover/lid and remove the air filter.
3. Remove the Fuse box. This is done by removing the 10mm nuts and unclipping the retaining clip. Carefully move it towards the rear of the engine bay to allow room to work on the air box and air-box intake pipe.
4. Remove the parking light as this allows more room to tighten the snorkel and makes the install a lot easier. This is done by locating the holding spring behind the light in the engine bay and squeezing the 2 x plastic lugs and pulling.
5. The air box can now be un-bolted and removed. The air box intake pipe will be removed with it and needs to be gently removed from the pipe on the inner guard.
6. Remove the 2 nuts where the air box intake pipe meets the inner guard. This is holding the air box intake assembly which is located between the inner and outer guards. There may also be a 3rd nut towards the rear near the firewall also holding the intake assembly.
7. Remove the Drivers side wheel, and secure vehicle to allow room to access the inner guard.
8. Carefully remove the plastic screws holding the plastic wheel arch guard in place and remove the guard. These screws are sometimes difficult to remove and may need to be levered out, take the time to ensure these are not damaged upon removal.
9. Remove the factory air box intake assembly.
10. Apply masking tape to the guard. It best to tape the whole guard to allow the drill to start easily and also prevent accidental scratches from tools and belt buckles etc.
11. Cut the template along the correct line for the vehicles model & Position it on the guard as per instructions on template.

12. Once you are happy with the alignment of the template centre punch the 4 or 5 stud holes (Remember series 1 owners do not use the front stud) and snorkel body outlet hole (83mm).
13. Drill all holes with a small pilot drill.
14. Using the step drill, drill the 4 or 5 stud holes out to 14mm to clear the studs to ensure the studs clear the body. Ensuring you are drilling square to the inner guard use an 83mm hole saw on low speed to drill the hole to clear the snorkel body outlet. Remove the burrs from all holes with a file or deburrer.
15. Fit the upper snorkel body mount to the snorkel with the bolts supplied so that the bracket is mounted as seen in the picture. The brackets mounts to the inside of the door recess not flat onto the pillar. Do



16. Fit the 4 or 5 (Remember series 1 owners do not use the front stud) studs to the snorkel body with thread lock and tighten with Allen key, DO NOT over-tighten.
17. Put some masking tape on the A-Pillar approximately where the upper bracket will mount in the recess just above the quarter glass.
18. With the door open, test fit the snorkel carefully and mark the top mounting bracket holes, remove the snorkel and centre punch.

Fitting Guide

19. Drill the holes to suit the rivets or screws 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.



20. 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.

21. 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.

22. Using the screws or rivets supplied, mount top bracket. **DO NOT OVER TIGHTEN.**



23. Tighten the nyloc nuts on the snorkel studs.

24. Cut the airbox as seen in the picture and re-install.



25. Fit the convoluted hose and hose clamps to the snorkel body and tighten hose clamp from inside the guard, this may have to be done with the snorkel partially installed.

26. Fit the other end of the hose to the airbox. Depending on your model you may need to use the black rubber section provided and sensor safe sealant to provide a seal.

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

28. Refit the parking light.

29. Refit all nuts and bolts to the air box, refit the air filter and air box cover.

30. Refit the inner guard and wheel.

31. Refit the Fuse box.

32. Allow the sealant to cure before running the vehicle.



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