



INSTALLATION GUIDE

ISNORKEL032

JK JEEP WRANGLER



- Ironman 4x4 Snorkel fits to the right hand side of the Jeep Wrangler.
- It will take about 2 hours to install.
- Below is a list of some required tools for installing your Ironman 4x4 Snorkel:
 - **Hole Saw (2inch)**
 - **Step Drill**
 - **Air Hacksaw**
 - **Pop-Rivet Gun**
 - **Bonnet Cutting Template***

**Template supplied on last page of fitting manual.*

NOTE: Only use “sensor safe” sealant during installation

IMPORTANT: Snorkel installations should only be done by a qualified person and it is the responsibility of this person to ensure correct fitment and to ensure the installation is water tight.

1. Before installation check snorkel application is compatible with your vehicle.

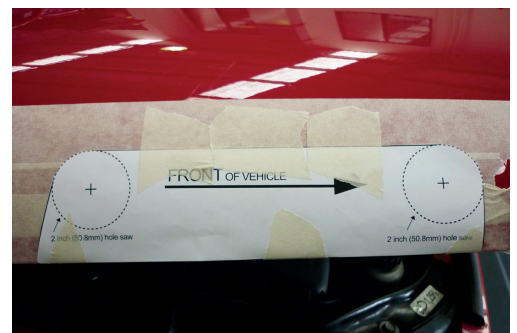
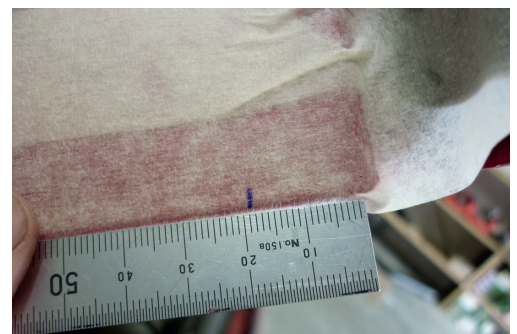
2. Remove air box assembly and under bonnet insulation if fitted.



3. Apply masking tape to right hand side, vertical face of bonnet and top of right hand front mudguard.



4. Tape cutting template 19mm back from bonnet latch indentation. Using a felt tipped pen, mark hole centres and trace cut lines around outside of template.

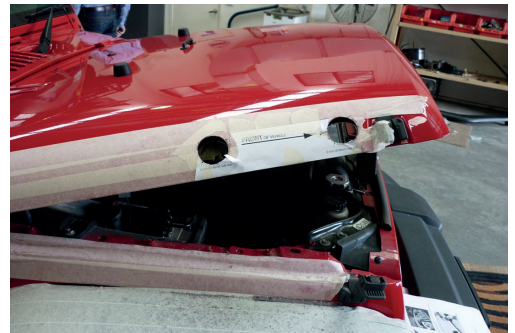


5. Using a block of wood or similar, prop bonnet at a suitable working height to prevent damage to top of mudguard whilst modifying the bonnet.

6. Use a 6mm Pilot Drill to drill both inner and outer skins of bonnet previously marked with template.



7. Enlarge both holes to 2" using a hole saw through inner and outer skins.



8. Using an air hacksaw or similar cut along lines previously marked around template.



9. Mark a cut line inside the bonnet 6mm down from fold line located just above previous cut.

10. Mark straight lines from cut lines to sides of 2" holes and cut along these lines taking care not to damage outer skin of bonnet (Cut inner skin only).



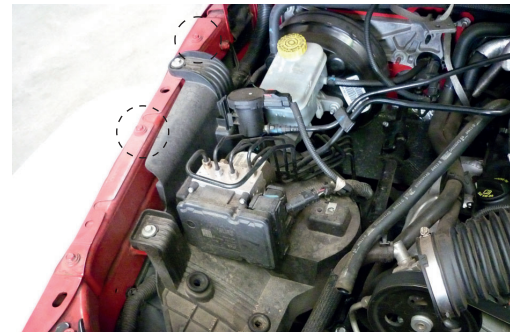
11. De-burr and rust proof all holes (This applies to all holes or cutting after this step).

12. Refit bonnet insulation and trim around opening created in bonnet.

13. Attach mounting bracket to snorkel using bolts provided.



14. Remove two mudguard bolts as shown.



15. Remove air intake duct and small locator from air box.



16. Attach snorkel to air box and seal with silicone sealant.



17. Refit air box to vehicle with snorkel attached.
18. Refit mudguard bolts through mounting brackets.



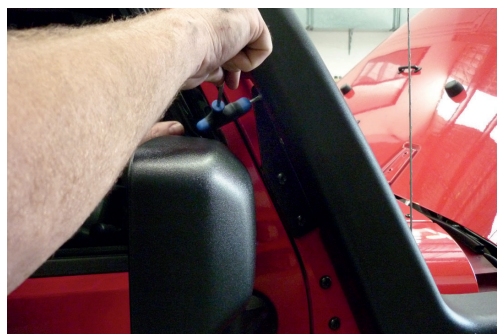
19. Remove two pillar bolts as shown.



20. Remove sealing washers from bolts, place bolts through mounting bracket and refit washers.



21. Attach pillar mounting bracket to pillar using OE Bolts and attach to snorkel using bolts supplied.



22. Close bonnet and check for clearance around snorkel. Adjust snorkel if required.

23. Hold trim ring in position on bonnet leaving an even gap around snorkel and mark location of mounting holes.

24. Drill mounting holes using a 1/8" drill bit and secure trim in place using pop rivets supplied.

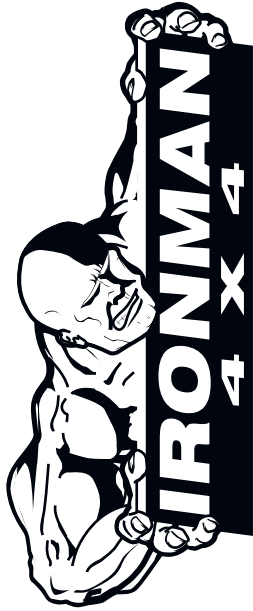


25. Slide foam sleeve provided over radio aerial to prevent it from rattling against snorkel.

26. Check all hose connections and air box for potential leaks and seal as required.

27. Fit Ironman 4x4 Air Ram and secure with hose clamp provided.





ISNORKEL000

JEEP

JK Wrangler

Snorkel Drilling Template

FRONT OF VEHICLE

Align with bonnet edge

2 inch (50.8 mm)
hole saw

2 inch (50.8 mm)
hole saw

19mm back
indentation
from bonnet latch

1 inch (25.4 mm) sq
(check print scale)

