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Disco 3 Safari Snorkel Install

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Reddahaydn

I finally got around to installing a Safari Snorkel on the weekend, and for anyone contemplating it, here is a write up of what's involved.

Member Since: 02 Mar 2015 Location: Melbourne Posts: 33 POSIS. 33

Safari give pretty good instructions, here is a link to their instructions (thanks winaje)

First of all you will need the following items

Sikaflex 227 (sikaflex automotive is the same - polyurethane (not silicon), so air flow meter safe) 3 or 4 No. Smm Cobalt drill bits suitable for high strength steel 1 No. 6mm normal drill bit 4-25mm step drill bit

rivet gun drill

dremel (don't get the air hacksaw, the dremel is heaps better) 5 or so dremel cutting discs

Car trim tool kit to get the plastic plugs out (can get them off ebay for \$20 - i used a modified fork, but have since purchased a kit)

screw drivers socket set

ratchet ring spanners (pretty important)

tape file paint

These are the parts that come in the kit



The following instructions should be read in conjunction with safari's instructions

First thing to do is remove the inner wheel lining. first, take off the mudflap. I did this in offroad height with LLAMS wound right up. don't stick your head in the guard unless you have stands under the car.

As above, I used a modified fork to remove the plastic plugs, and a phillips head screw driver.



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then removed flare, this has a screw at the front that can't be undone, so i just unclipped it and left it hanging



Next \boldsymbol{u} reached in and popped the bottom two clips from the guard vent, and then pulled it out.

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Then to remove the airbox, undo all the screws and take the top off, unplug air flow sensor, and stuff a rag in the engine inlet pipe. the bottom of the airbox just pulls out.



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Reddahaydn

Member Since: 02 Mar 2015 Location: Melbourne Posts: 33

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There is a couple of holes in the bottom of the airbox, I sealed them with sikaflex 227



Next remove the factory sock and connection to the airbox.



Then tape the guard template on, mark and punch the holes, drill pilot holes using a 3mm bit. then using the step drill bit drill them out. Safari instructions say drill 2 of them to 16mm and 3 to 14mm (for tolerance). I drilled all of mine to 12mm. clean up the holes and give the bare metal some paint.

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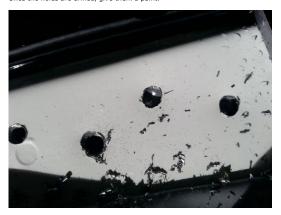


Now remove the plastic cover panel on the front A pillar. install the template, mark and punch the holes. This is a pain in the ass. The first skin is easy to drill through. the second skin takes ages. Use the 5mm cobalt drill bits and the side handle on the drill, and just keep going. don't go too fast as you don't want to heat up and harden the steel, but don't go to slow cuz it takes ages. I changed drill bits every 2 holes. don't know if it helped or not.



Put some rags down, and I used tape as a barrier to try and catch all the drill filings. make sure you clean them all up. i came out the next morning to some brown rust marks from a few that i missed.

Once the holes are drilled, give them a paint.



Next to cut the hole in the inner guard, i tried and air hacksaw as per the instructions but it was crap. dremel cut heaps better and was easier to manouvre. Don't bend the blades trying to cut in a arc, they will break.

Then its cut out and cleaned up, give it a paint as well.

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Reddahaydn

Member Since: 02 Mar 2015 Location: Melbourne Posts: 33

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Next was to install the A pillar bracket. Put a bit of sikaflex on the back. As mentioned, get polyurethane sealant, not silicon based.



Put it in place, put some sikaflex on the back of the rivets and put them in the holes. best to do a trial run with the rivets to make sure they all fit, before putting sikaflex on anything!!!! a bit of spit, WD40 or water with detergant on your finger will allow you to smooth the edges without it sticking to your hands. prep wash and a rag will get wet sikaflex off metal.

Be vary careful, i know a bloke who was hitting the rivets in with a hammer and slipped and cracked his windscreen, cost him \$1200! Make sure when you are doing the riveting that the rivet gun doesn't jump back and hit the windscreen either.



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Next put the template on the plastic A pillar trip, drill two 6mm holes and cut between them with the dremel. give it a file and put it back on the A pillar over the mounting bracket.



Now your paint should be dry so you can install the plastic 90 degree bend. push the flexy hose through the guard, rotating clockwise, then put the hose clamp on it and push on the bend. drill the three holes and pop rivet in place.





I sikaflexed the foam spaced to the plastic 90 degree bend.

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Now it's time to trial fit your airbox. mine too quite a bit of pushing to get it to fit. (which is good, nice tight fit!) I didn't seal the back of mine like the instructions said, i sealed it from the inside so i can cut it out if i ever need to remove the airbox again.



This hole i sealed from the bottom. possibly didnt need it, when the engine is running the sucking air should close it and seal it, but i wasn't taking any chances.



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Last edited by Reddahaydn on 29th Apr 2015 4:35 am. Edited 1 time in total

₾ 29th Apr 2015 4:19 am

miko666

Member Since: 16 Sep 2014 Location: <u>liverpool</u> Posts: 104



₾ 29th Apr 2015 4:29 am

Reddahavdn

Member Since: 02 Mar 2015 Location: Melbourne Posts: 33 📨 🥽 D3

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Russian language course booked, i should be able to install one in about 2 - 3 years Θ Θ .

Great write up and really good pictures $\begin{tabular}{c} \begin{tabular}{c} \begin{ta$

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Disco 3 Safari Snorkel Install

Now to install the the snorkel body, this is a pain in the neck.
Do the hose clamp up loosely from the outside, then position the snorkel, get one or two bolts started, then do the hose clamp up from within the guard.

make sure you have ratchet ring spanners. i used a socket for the two front bolts and a ring spanner for the rest. the top bolt took ages, its like the designed these assuming monkeys or children were going to be installing them!!!

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Put the head on, do the bolts up to the A pillar mounting bracket, check the bonnet opens, and then tighten all the bolts in the guard.

Then to put it back together, make sure you tape the top hole in the wheel arch before installing the wheel arch lining. Don't re-install the top clip (it will rub on the flexy hose).

Stand back, crack a beer and admire your work!



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