



DIY Catchcan

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Parts Required



"Hikers" anodised aluminium drink flask in your colour choice (Available from outdoor camping stores, or from \$2 shops for about 1/4 the price)



Straight male threaded 19mm irrigation fitting
90 deg male threaded 19mm irrigation fitting



Steel scourers

Total cost is about \$12.

Tools

- Drill
- small drill bit
- 19mm drill or boring bit
- Round file
- Silicone sealant
- Ball peen hammer

Procedure



Wrap the flask in newspaper to protect the anodised coating. Drill a small hole in the dead center of the bottom of the flask.



Enlarge this hole with the 19mm bit. File the hole slightly until the threaded section of the 90deg irrigation fitting can be pushed through.



Apply silicone sealant to the underside of the 'collar' of the irrigation fitting. It is better if the collar is sealed ALL the way around its circumference.

Press fitting down onto bottom of the flask.



Drill a small hole in the side of the flask, approximately 60-70mm from the top, and in the same direction that your 90deg fitting is pointing.
Enlarge this hole with the 19mm bit.



Use the ball peen hammer to flatten the flask side surrounding the hole, by tapping around the hole very gently. Be very careful to tap softly, the flask is very soft aluminium. You only need to flatten it so the collar of the fitting sits flush with the side of the flask. File the hole so the straight fitting can be pushed through.

Apply silicone sealant to the underside of the fitting and press down.



You now need to see how you will mount the flask. Bear in mind that the flask is mounted inverted, with the 90 deg fitting you have installed in the bottom of the flask now actually at the top. You can either attach an aluminium plate like I have, or use some sort of strap to hold it in your engine bay.

Once you have decided how to mount your flask, wash it **THOROUGHLY** inside with water, you don't want any small aluminium shavings to remain.

Wait for it to dry and then stuff the flask with steel scourers. Fit as many as you can into the flask, pushing them through the threaded opening with the handle of a screwdriver. Screw the threaded top back onto the flask and invert the flask so the threaded top is at the

bottom.

Your catch can is now complete.

Hook up your engine breather and breather return lines so that the top 90deg fitting is where the engine intake breather return is sucking from, and so that the engine breather pipe is connected to the straight fitting near the bottom. You will need to drain the can of oil periodically (say at every oil change), by simply undoing the threaded 'top', which is now at the bottom of your can.



Note: If you want to fit a breather filter instead of plumbing back into your intake, simply replace the top 90deg fitting with another straight fitting, and attach your filter to this.