

# HOW TO REPAIR A PUNCTURE

Step by step

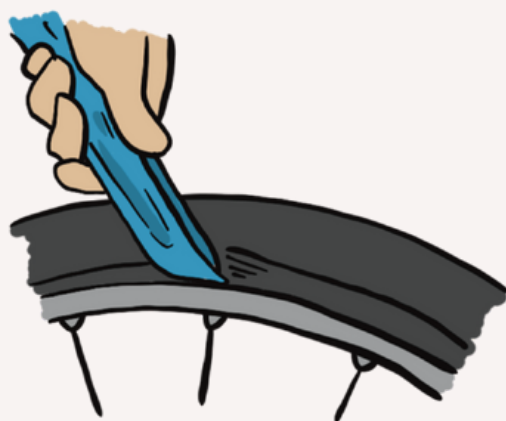


## 1 REMOVE THE WHEEL

If you have disc brakes you don't have to do anything more than open the quick release skewer to remove the wheel from the frame. Some commuter bikes use wheel nuts - if this is the case, you'll need a spanner

## 2 USE THE TYRE LEVER TO LOOSEN THE TYRE

Gently insert two tyre levers between the tyre and the wheel rim, and pull the tyre away.



## 3 REMOVE THE TYRE

By now the tyre should be loose enough to simply run a tyre lever around the wheel rim to remove the rest of the tyre. Then, remove the tube.

## 4 REMOVE THE VALVE CAP

Take off the valve cap (the little piece of black plastic over the valve) and unscrew the valve retaining nut (the round ring sitting against the rim) if there is one. Push the end of the valve to fully deflate the tube if it's not already empty of air.

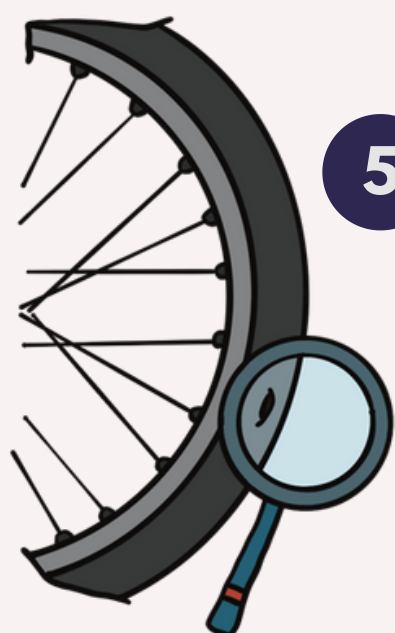


More Info!



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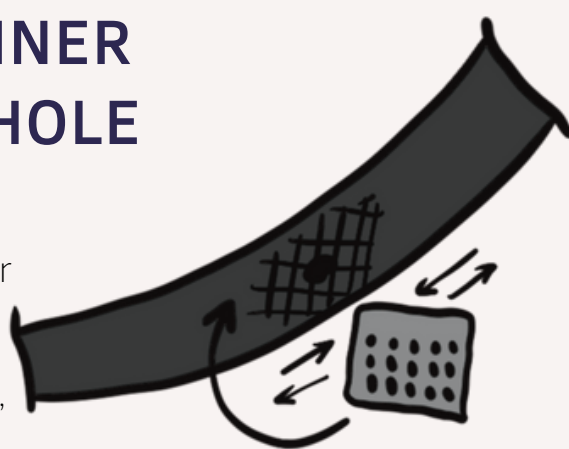


## 5 LOCATE THE PUNCTURE

You can then locate the puncture. If it's not easy to see, immerse the inflated tube in water and watch for bubbles to rise – it's likely you'll just have a tiny pinhole puncture. Once you've found the hole, mark it with a ballpoint pen.

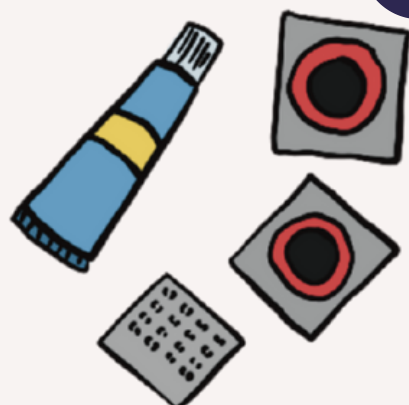
## 6 ROUGHEN THE INNER TUBE NEAR THE HOLE

Use the puncture kit's sandpaper to do this. The area you roughen should be bigger than the patch you're applying it to. Whilst this will rub out the mark you've just drawn, you'll still be able to see the outer edges.



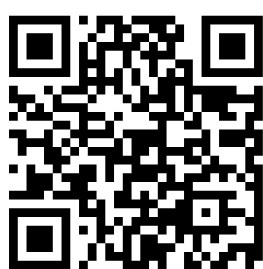
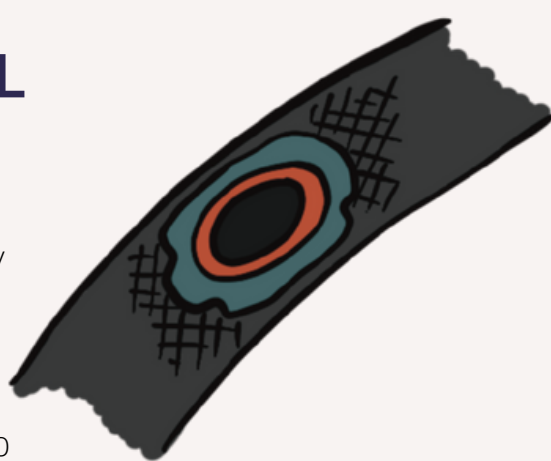
## 7 APPLY A THIN FILM OF VULCANISING GLUE

Spread the glue over an area that's larger than the patch, and then leave it to dry for at least five minutes. Don't do anything else until it's totally dry – otherwise you won't fix your puncture.



## 8 PEEL OFF THE FOIL BACKING

Once you've peeled off the foil backing, apply the patch, making sure it's centred over the hole. Press down firmly for a minute, and then remove the backing, being careful not to lift the edges of the patch.

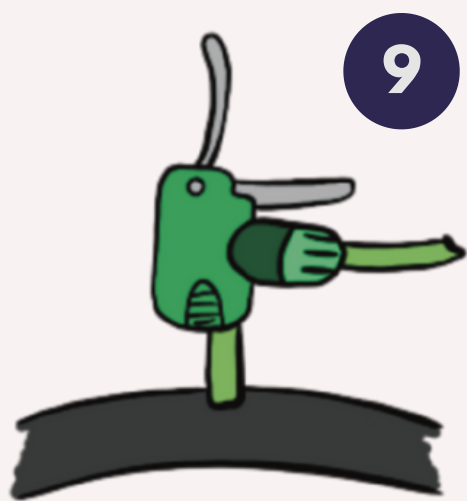


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## INFLATE THE TUBE

By inflating the tube (slightly so it just becomes round in shape), you can check the patch stretches with it. If there's a hole under one edge of the patch, remove it and start again. You'll need to roughen the tube more thoroughly, and let the vulcanising solution dry for longer.

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## INSERT THE TUBE AND REFIT THE TYRE

When the inner tube is all in, twist the tyre back into place, starting at the valve. Try to finish directly across from the valve as the tyre will be looser there. If it gets difficult, let a little air out of the inner tube. Check there are no bulges and that the tube isn't pinching under the tyre bead.



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## REINSTATE THE WHEEL

Fully reinflate the tube, and restore the wheel on the bicycle frame.



More Info!



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