

Make Do Share Storyboard



Hello. My name is xxx and I am a soldier with the xxx in the British Army. Today we are going to look at the Scout Mechanic Activity Badge and I am going to show you how to change a tyre on a car.



Before we start, let's look at what equipment you are going to need. You will need to have a warning triangle, a spare tyre, a wheel brace (or wrench) and a vehicle jack. You may also need a locking wheel nut key if your vehicle has locking wheel nuts.



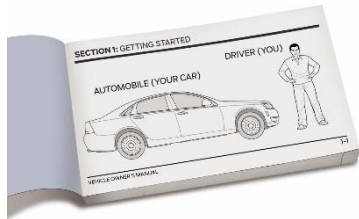
It is very important that we make sure we are in a safe location when changing a tyre. Today we will be changing the tyre on the parade ground here at the Royal Military Academy Sandhurst where we do not have to worry about any passing traffic.



If you find yourself on a road then you need to make sure that the vehicle is out of the way of other traffic and that a warning triangle is placed at least 45m behind the vehicle. To make yourself more visible, wear a Hi-Vis jacket if possible. Remember: Only do this if it is safe to do so. If you feel unsafe, please call a breakdown service for help.



The hazard lights need to be turned on as an additional warning to passing traffic and make sure that the handbrake is applied so that the car will not move. And the vehicle left in gear and parked on flat, stable ground.



Remember: You must always follow the manufacturer's guidelines.



The wheel nuts will need to be loosened first using the vehicle brace and turning the nuts to the left or anti-clockwise. Some vehicles have locking nuts to protect the wheels from theft and a special locking wheel nut key is required to remove them. Do not remove the nuts completely at this stage.



At this point the vehicle will need to be raised off the ground using the vehicle jack. The manufacturer's guidelines will show you where to find the jacking point. Position the jack in the correct location and raise the vehicle. You will need to make sure that the vehicle is high enough to put on the new, fully inflated tyre.



Now that the vehicle has been raised, you can fully remove the wheel nuts by hand and the tyre can be removed. Make sure that you put the wheel nuts somewhere safe so that they don't roll away! Be careful when lifting the tyre – you may need to get some help from an adult.



Place the new tyre onto the car and line up the holes with the threaded studs and push the wheel fully back on to the wheel hub.



Now you can replace the wheel nuts and evenly tighten up by hand until the wheel is sitting snugly on the axle hub.



Gently lower the vehicle to the ground by lowering the jack. At this stage the wheel nuts will need to be fully tightened using the wheel brace.



When it is safe to do so, remove the warning triangle from the road and turn off the vehicle hazard lights.

Props required for filming:

Car, warning triangle, a spare tyre, a wheel brace (or wrench), vehicle jack, locking wheel nut key, high-vis jacket, appropriate personal protective equipment (PPE), car manual.