










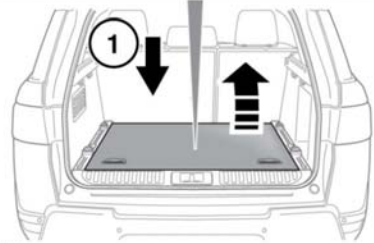
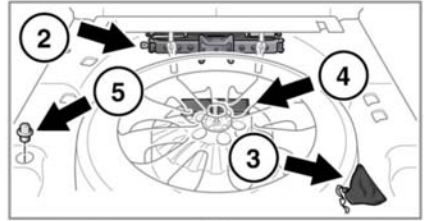
## WHEEL CHANGING SAFETY

Before raising the vehicle or changing a wheel, make sure you read and comply with the following warnings.

-  **Always find a safe place to stop, off the highway and away from traffic.**
-  **Make sure the vehicle and jack are both on firm level ground. Do not jack the vehicle if it is over a metal grating or manhole cover.**
-  **Apply the parking brake and engage Park (P).**
-  **Make sure the air suspension is set to off road height.**
-  **Switch on the hazard warning lamps.**
-  **Make sure the front wheels are in the straight ahead position.**
-  **Disconnect trailer/caravan from vehicle.**
-  **Make sure all passengers and animals, are out of the vehicle and in a safe place away from the highway.**
-  **Place a warning triangle at a suitable distance behind the vehicle, facing towards oncoming traffic.**

## TOOL KIT

*Note: Tool types and positions may vary from the illustration.*





E151140

1. Loadspace floor panel.
2. Jack.
3. Spare wheel assist lift tool.
4. Tool kit - located under the spare wheel.  
See 245, **REMOVING THE SPARE WHEEL**
5. Locking wheel nut adaptor.


**Note:** Examine the jack occasionally, clean and grease the moving parts, particularly the screw thread, to prevent corrosion.


**Note:** Take careful note of the stowage position for each tool, as it is important to return them to their correct position after use.


## REMOVING THE SPARE WHEEL

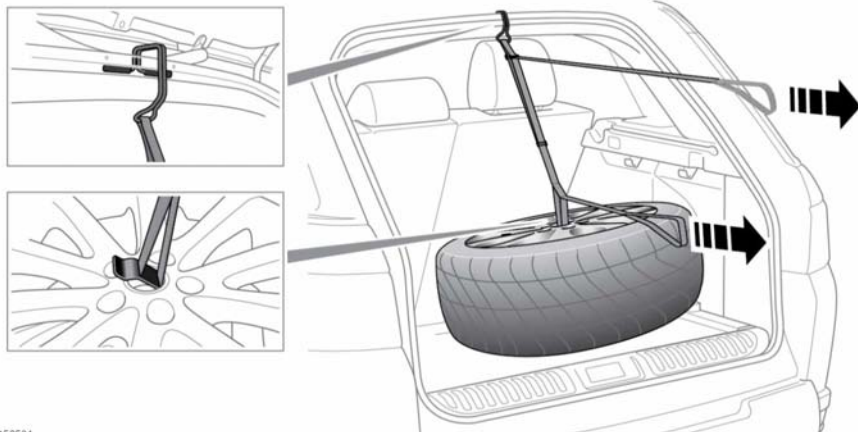
-  **Remove the spare wheel before jacking the vehicle, to avoid destabilising the vehicle when raised.**
-  **Wheels are heavy and if handled incorrectly may cause injury. Use extreme caution when lifting, lowering and manoeuvring the wheels.**

# Wheel changing

 Always secure the spare wheel, or the removed wheel, in the correct position using the retaining bolt.

 Do not stow the wheel while the vehicle is raised on the jack.

 After wheel changing, always secure tools, chocks, jack and replaced wheel in their correct stowage positions. Such objects, if not properly stowed, can become flying missiles in a crash or rollover, potentially causing injury or death.



E162534

Always remove the spare wheel before jacking the vehicle.

**Note:** Before removing the spare wheel, take note of its stowage position. The wheel to be changed must be correctly stowed and secured in its place.


**Note:** The spare wheel lift assist tool is not fitted to all vehicles. For more information, contact your Dealer/Authorised Repairer.


1. Open the tailgate. See **9, OPENING AND CLOSING THE TAILGATE/9, OPENING AND CLOSING THE POWERED TAILGATE.**
2. Remove the loadspace floor panel.
3. Remove the spare wheel retaining bolt.
4. Remove the vehicle jack and the spare wheel lift assist tool. See **245, TOOL KIT**


5. Attach the lift assist tool as shown.
  - Pull the upper strap to lift up the spare wheel.
  - Pull the lower strap to place the spare wheel on the tailgate.
6. Remove the tool and carefully lift the spare wheel from the vehicle.

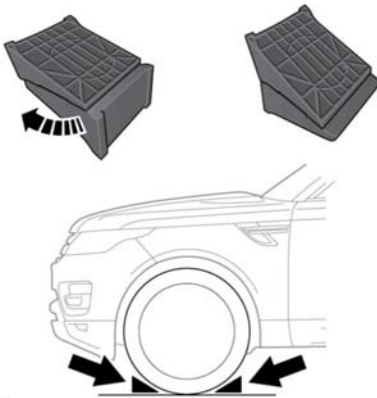
**Note:** Reverse the order to stow the changed wheel.

## USING WHEEL CHOCKS

 Before raising the vehicle, the wheel diagonally opposite the one to be removed must be chocked.

 **Always chock the wheels using suitable wheel chocks. Place the chocks on both sides of the wheel diagonally opposite the wheel to be changed.**

 **If jacking the vehicle on a slope is unavoidable, place the chocks on the downhill side of both wheels on the axle not being raised.**



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Wheel chocks are stowed in the tool kit.

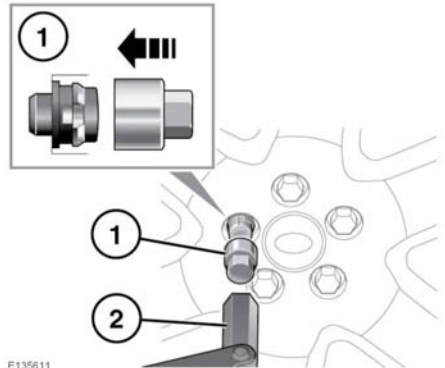
1. Remove the chocks from the tool kit.
2. Pull the two halves slightly apart and twist fully to increase the wedge profile.
3. Position the vehicle on level ground. Both chocks must be used. Position them on opposite sides of the wheel and push them firmly against the tyre.

## LOCKING WHEEL NUTS

Locking wheel nuts can be removed and installed using only the special adaptor provided in the tool kit.

**Note:** When the vehicle is first supplied, the wheel nut adaptor may be stored in the glove box. If this is the case, the wheel nut adaptor must be moved to its correct storage position in the luggage compartment, as soon as possible. See **245, TOOL KIT**

**Note:** A code number is stamped onto the underside of the adaptor. This number should be recorded in the Service Portfolio supplied with the literature pack. If a replacement adaptor is required, you will be asked to quote this number.



E135611

To release







1. Insert the wheel nut adaptor into the locking wheel nut, making sure it is fully engaged.
2. Locate the wheel brace over the adaptor and unscrew the wheel nut half a turn anticlockwise.
3. After raising the vehicle on the jack, remove the locking wheel nut.





**Note:** After use, store the wheel nut adaptor correctly in the tool kit.

## WHEEL CHANGING

Before raising the vehicle or changing a wheel, make sure that you read and comply with the following warnings:

# Wheel changing

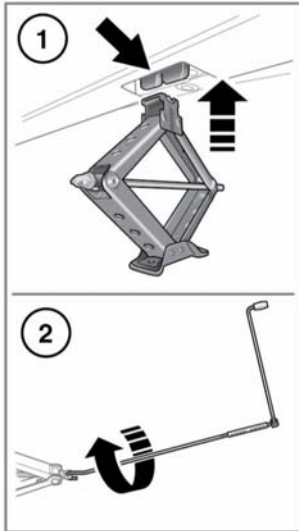
-  Make sure the jack is on firm, level ground.
-  Never place anything between the jack and the ground, or the jack and the vehicle.
-  Position the jack from the side of the vehicle, in line with the appropriate jacking point.
-  Do not attempt to raise the vehicle, unless the jack head is fully engaged in the jacking point. Only jack the vehicle using the approved jacking points.
-  **WARNING - THAT NO PERSON SHOULD PLACE ANY PORTION OF THEIR BODY UNDER A VEHICLE THAT IS SUPPORTED BY A JACK.**
-  The jack is designed for wheel changing only. Never work beneath the vehicle with the jack as the only means of support. Always use correctly rated vehicle support stands, before putting any part of your body beneath the vehicle.

-  Always use the complete jacking lever assembly throughout the tyre changing process, to minimise any chance of accidental injury.
-  Take care when loosening the wheel nuts. The wheel brace may slip off if not properly attached and the wheel nuts may give way suddenly. Either unexpected movement, may cause an injury.
-  Do not start or run the engine while the vehicle is supported only by a jack.
-  Only jack the vehicle using the jacking points described, or damage to the vehicle could occur.

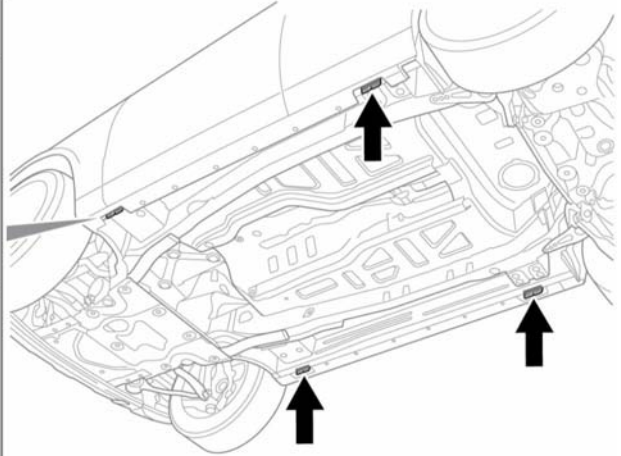
**Note:** Your vehicle may be fitted with a tilt sensor, which activates the alarm if the vehicle is tilted in any direction after it has been locked. To lock the doors while changing the wheel, and avoid the alarm activating, tilt sensor can be temporarily disabled. See **46, INSTRUMENT PANEL MENU**.

**Note:** If side steps or tubes are fitted, the jacking points are located on the underside of the side step or tube brackets.

**Note:** Before raising the vehicle, correctly position the wheel chocks. See **246, USING WHEEL CHOCKS**.

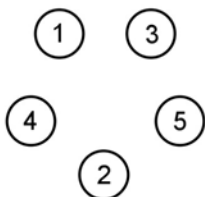


E142348



1. Before raising the vehicle, use the wheel nut brace to slacken the wheel nuts of the wheel to be replaced by half a turn counter-clockwise.
2. Position the jack under the relevant jacking point, of the vehicle.  
**Note:** Do not allow the jack to contact the sill at any other point, as damage may result.
3. Turn the jack lever clockwise to raise until the jack locates into the jacking point. Make sure the base of the jack is in full contact with the road surface.
4. Raise the vehicle with the jack, until the tyre being lifted just clears the ground. Operate the jack with a slow and steady motion. Avoid sudden and erratic actions, as they may cause the vehicle/jack to become unstable.
5. Remove the wheel nuts and place them together where they cannot roll away.
6. Remove the wheel and place to one side. Do not lay the wheel on its face, as this may damage the finish.
7. Fit the spare wheel to the hub.
8. Re-fit the wheel nuts and lightly tighten them. Make sure the wheel is making contact with the hub evenly.
9. Ensure that the space under the vehicle is clear of obstructions, then lower the vehicle slowly and smoothly.
10. With all of the wheels on the ground and the jack removed, fully tighten the wheel nuts. The wheel nuts must be tightened in sequence (see illustration) to the correct torque of 133 Nm (98 lb.ft).

# Wheel changing




E132675


**Note:** If it is not possible to torque the wheel nuts when a wheel is replaced, they should be set to the correct torque as soon as possible.


If an alloy spare wheel is to be fitted, using a suitable blunt tool, knock the centre cap out of the removed wheel. Using hand pressure only, press the centre cap into the newly fitted spare.

Check and adjust the tyre pressure as soon as possible.

## IMPORTANT – USE OF SPARE TYRE

 Always adhere to the instructions given on the temporary use spare wheel warning label; failure to comply can be dangerous.

 Where fitted, the temporary-use spare wheel is **FOR TEMPORARY USE ONLY**. Drive with caution while the temporary spare wheel is fitted. Make sure that an original size wheel and tyre are fitted as soon as possible.

 Do not fit more than one temporary-use spare wheel on the vehicle, at any one time.

 Do not exceed 80 km/h (50 mph) while the temporary spare wheel is fitted.

 The temporary-use spare wheel must be inflated to 4.2 bar (60 psi, 420 kPa).

 DSC must be switched on while the temporary spare wheel is in use.

 Traction devices, such as snow chains, cannot be used with a temporary spare wheel.