










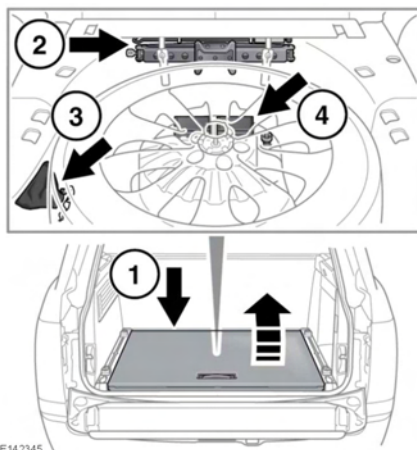
### WHEEL CHANGING SAFETY

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

-  Always find a safe place to stop, off the highway and away from traffic.
-  Make sure that the vehicle and jack are both on firm level ground.
-  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 that the front wheels are in the straight ahead position.
-  Disconnect trailer/caravan from vehicle.
-  Make sure that 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.



E14 2345


- Loadspace floor panel.
  - Jack.
  - Spare wheel lift assist tool.
  - Tool kit - located under the spare wheel.
- See 246, REMOVING THE SPARE WHEEL


**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.


## Wheel changing


### REMOVING THE SPARE WHEEL

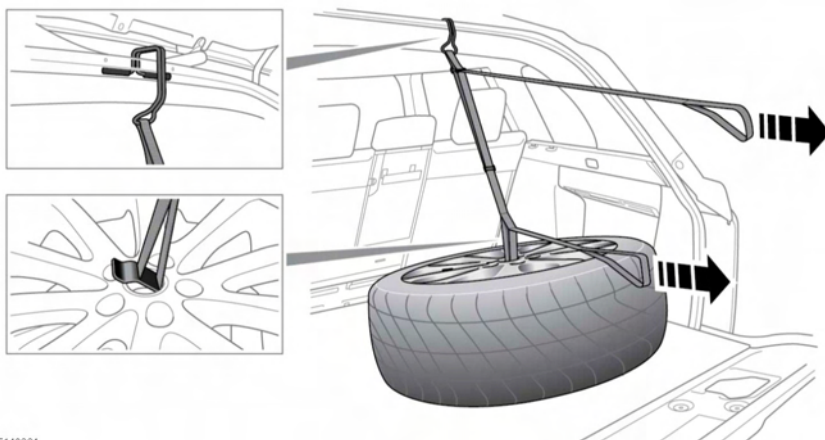
 Remove the spare wheel before jacking the vehicle, to avoid destabilising the vehicle when raised.

 Wheels are heavy and if handled incorrectly may cause injury. Use extreme caution when lifting, lowering and manoeuvring the wheels.

 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.



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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.

1. Open the tailgate. See **8, OPENING AND CLOSING THE 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.

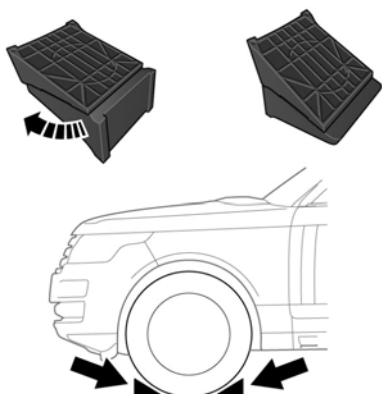
- Pull the upper strap to lift up the spare wheel.
- Pull the lower strap to place the spare wheel on the tailgate.

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 1 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 2 halves slightly apart and twist fully to increase the wedge profile.
3. Position the vehicle on level ground.

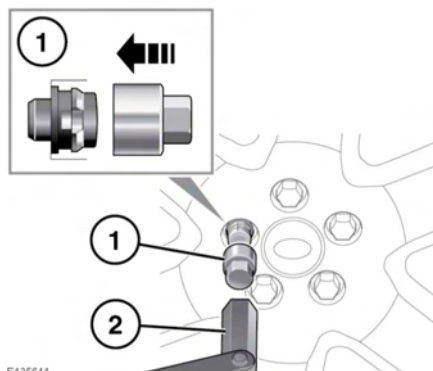
Both chocks must be used. Position them on opposite sides of the wheel and push them tightly against the tyre.

## LOCKING WHEEL NUTS

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

**Note:** When the vehicle is first supplied, the adapter may be stored in the glove compartment. It should be removed and stored in the tool kit as soon as possible.

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



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To release

1. Insert the wheel nut adapter into the locking wheel nut, ensuring that it is fully engaged.
2. Locate the wheel brace over the adapter and unscrew the wheel nut half a turn counter clockwise.
3. After raising the vehicle on the jack, remove the locking wheel nut.

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

# Wheel changing

## WHEEL CHANGING

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



**Make sure that 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.**

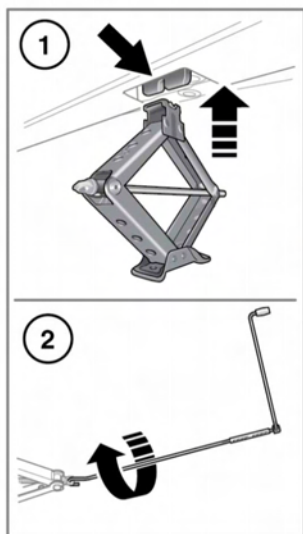


Only jack the vehicle using the jacking points described, or damage to the vehicle could occur.

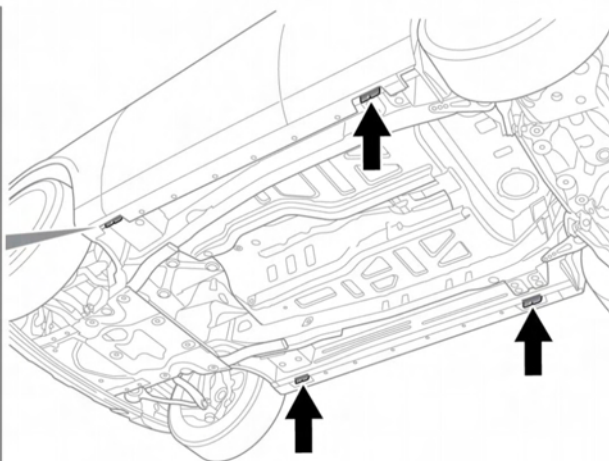
**Note:** Your vehicle may be fitted with a tilt sensor which activates the alarm if the vehicle is tilted in any direction after it has been locked. To lock the doors while changing the wheel, and avoid the alarm activating, tilt sensor can be temporarily disabled. **64, INSTRUMENT PANEL MENU**

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

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.



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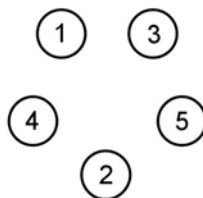
1. Position the jack under the relevant jacking point under the chassis.

**Note:** Do not allow the jack to contact the sill at any other point as damage may result.

2. Turn the jack lever clockwise to raise until the jack pin locates into the jacking point. Make sure that the base of the jack is in full contact with the road surface.
3. Raise the vehicle using the jack with a slow steady operation. Avoid rapid, jerky actions as they may cause the vehicle/jack to become unstable.
4. Remove the wheel nuts and place them together where they cannot roll away.
5. Remove the wheel and place to 1 side. Do not lay the wheel on its face, as this may damage the finish.
6. Fit the temporary spare wheel to the hub.
7. Re-fit the wheel nuts and lightly tighten them. Make sure that the wheel is making contact with the hub evenly.

8. Make sure that the space under the vehicle is clear of obstructions, then lower the vehicle slowly and smoothly.

9. With all 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).



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**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.

## Wheel changing

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 1 temporary use spare wheel on the vehicle at any 1 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.**