

WHEEL: REMOVAL - REFITTING

The removal - refitting procedure is the same for all wheels.

REMOVAL

1. REMOVAL PREPARATION OPERATION

- Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .
- Release the parking brake.
- Remove the trim .
- Position the wheel so that the valve is at the top.
- Mark the position of the wheel on the hub.

Note:



- This mark is required in order to:
 - Note the original position of the wheel on the hub,
 - perform the balancing operation.

2. REMOVAL OPERATION

- Loosen the wheel bolts with the wheel on the ground.

Note:

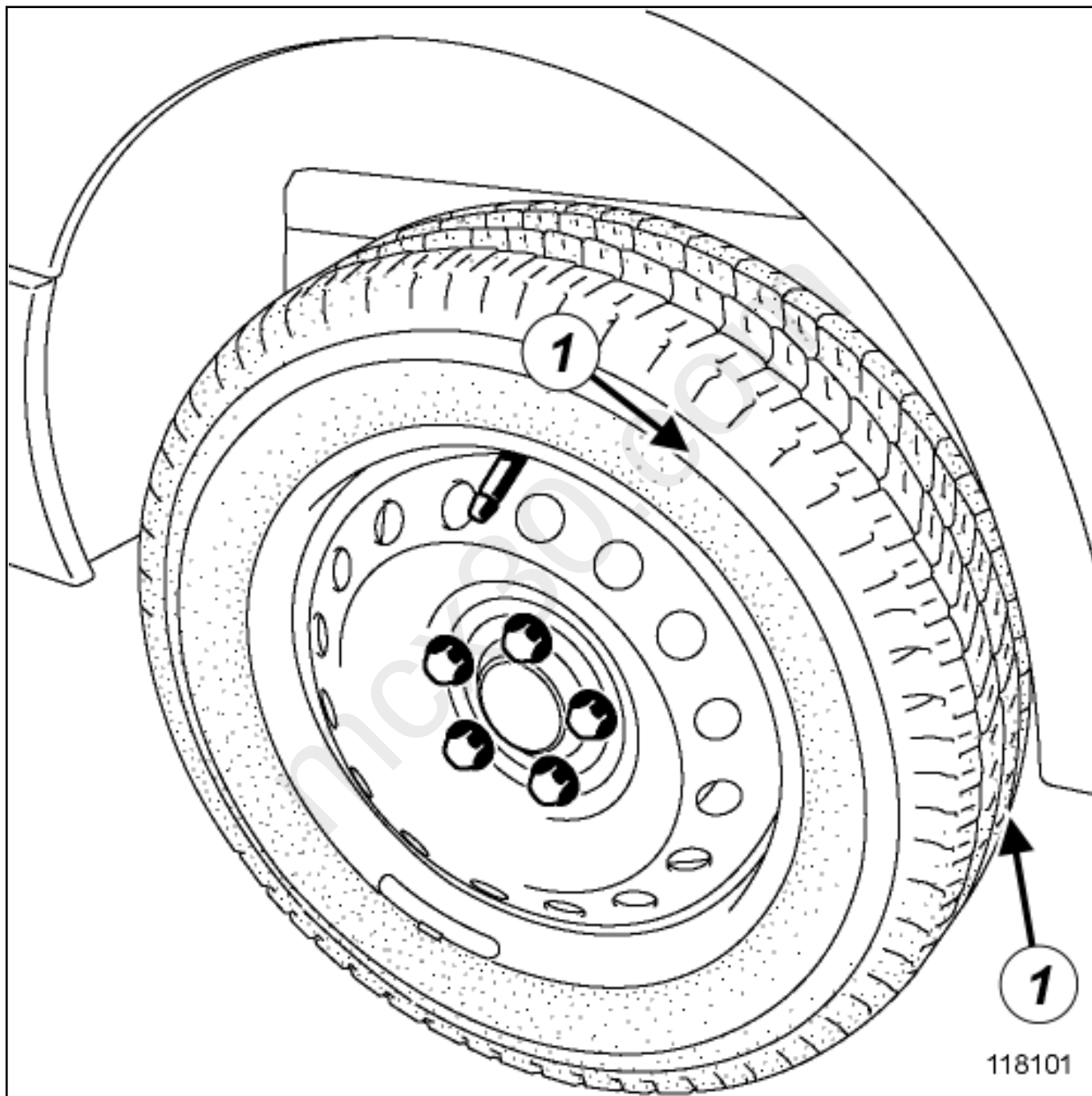


Use sockets with protective sheaths in order to avoid scratching the alloy wheel rims.

- Raise the lift.
- Remove:
 - the wheel bolts,
 - the wheel.

1- IF THE WHEEL CANNOT BE REMOVED AFTER THE BOLT HAS BEEN UNDONE:

- Position all the wheel bolts.
- Tighten the wheel bolts to bring all the bolt heads into contact with the wheel.
- Undo the wheel bolts by one turn.

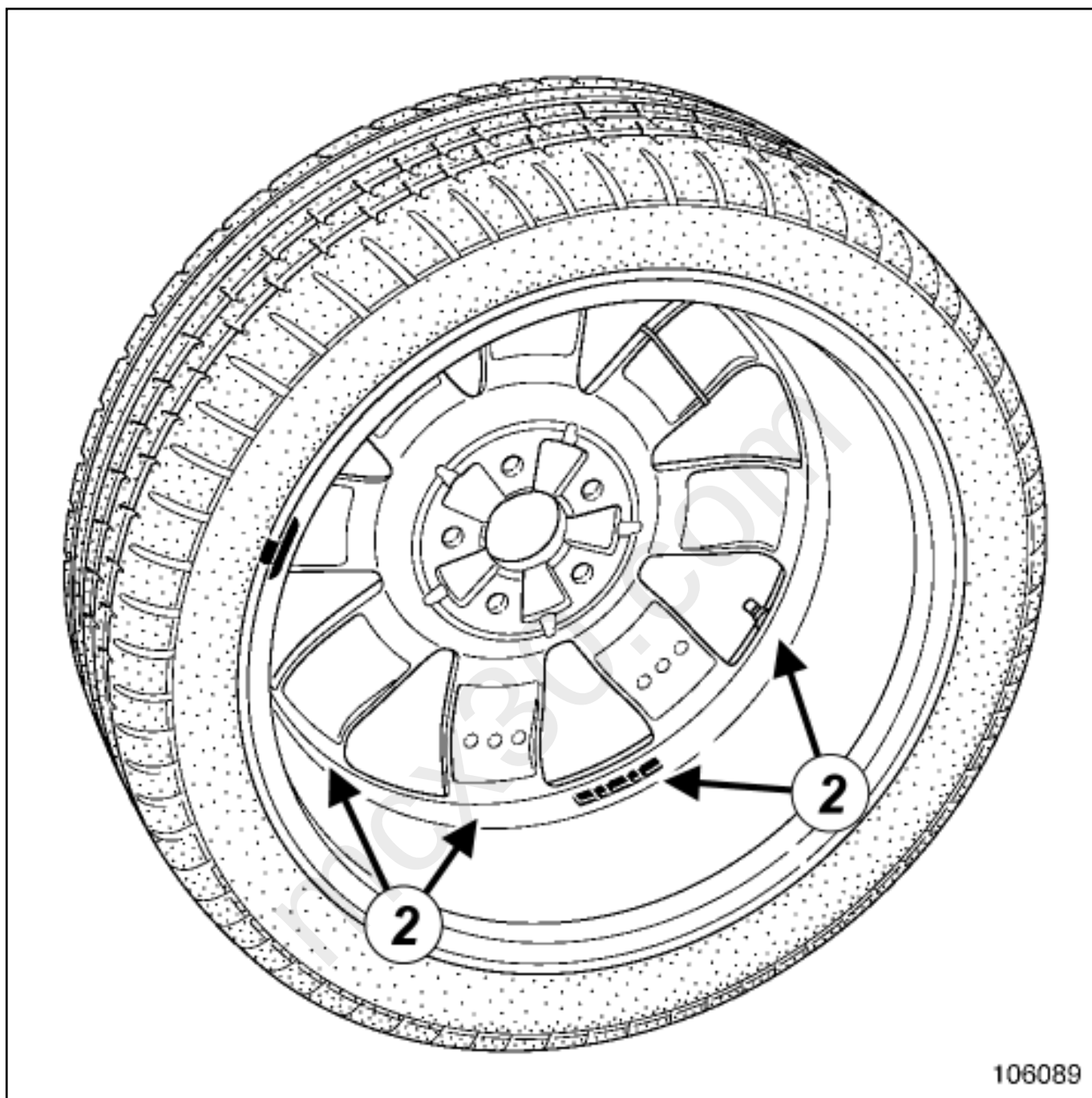


- Strike around the edge of the tyre walls(1) several times using a mallet on the inner and outer surfaces of the wheel to detach the wheel.

- Remove:

- the wheel bolts,
- the wheel.

1) IF THIS PROCEDURE DOES NOT WORK:



- Strike the inner surface of the wheel(2) using a mallet and a wooden block to detach it.



Note:

Do not strike the surface of the wheel using excessive force as this may damage it.

- Remove:
 - the wheel bolts,
 - the wheel.

REFITTING

1. REFITTING PREPARATION OPERATION

- Clean the hub carrier using a wire brush.



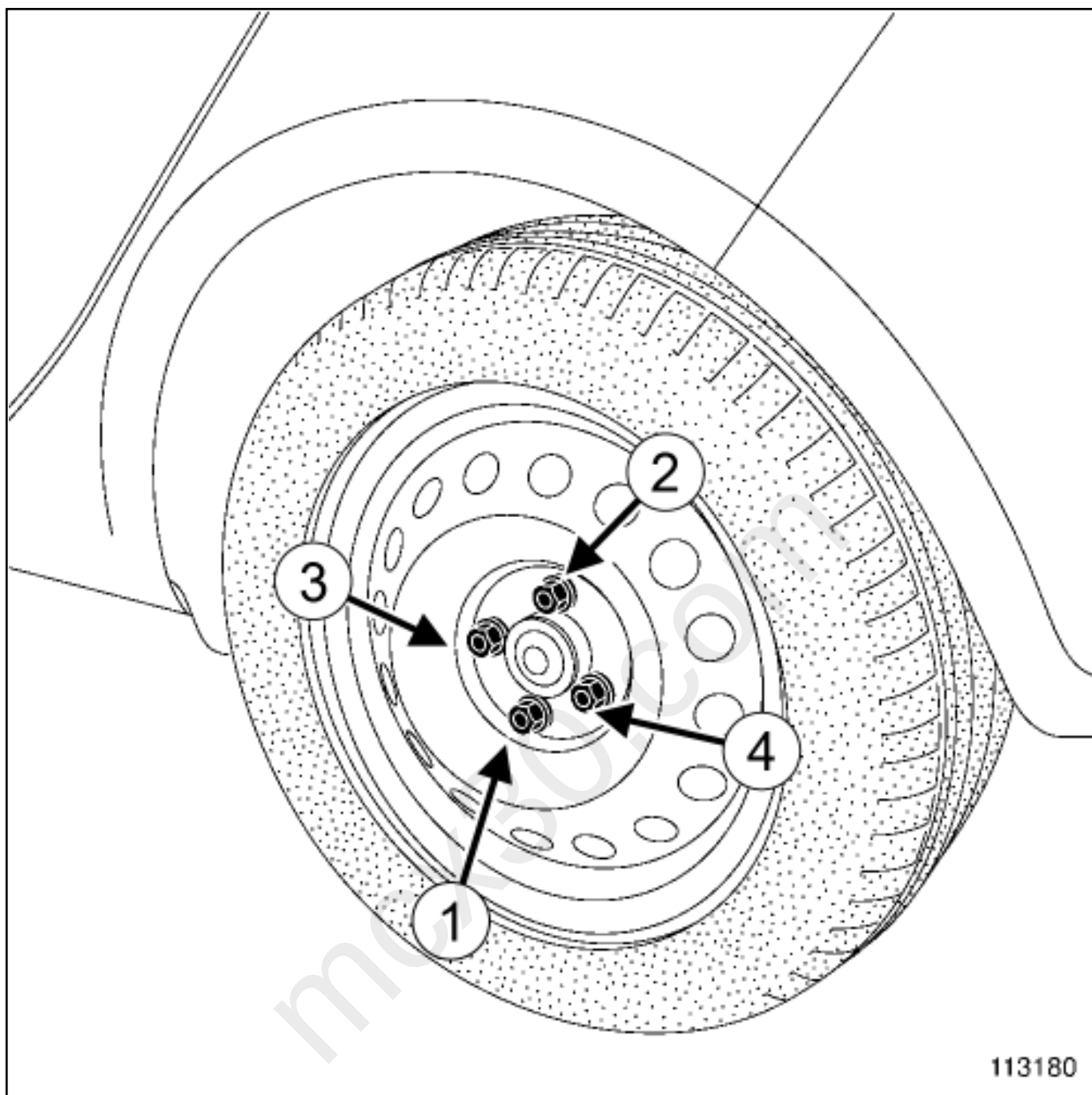
Note:

There are two types of wheel bolts for alloy and steel wheel rims; do not swap them.

- Check the condition of the tyre.
- Do not move or remove the balance weights.

2. REFITTING OPERATION

- Clean the mating surfaces between the wheel and the hub carrier using a wire brush.
- Align the mark on the wheel with the mark made on the hub when it was removed.
- Fit the wheel to the vehicle, positioning the valve at the top.
- Insert the wheel bolts.



- Tighten the wheel bolts to bring all the bolt heads into contact with the wheel.
- Pretighten the wheel bolts to 30 N.m, with the wheel suspended, starting with the bolts at the bottom.
- Rotate the wheel through 180° to bring the valve into the bottom position.
- Position the vehicle on its wheels.



Note:

Use sockets with protective sheaths in order to avoid scratching the alloy wheel rims.

 Torque tighten the wheel bolts:

- [Front hub carrier assembly: Exploded view](#) ,
- [Rear hub carrier assembly: Exploded view](#) .

 Refit the trim piece.



[Repair-13x05x01-01x37-1-12-1.xml](#)



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