8.0.1 Axles

Content

8.0.1 Axles

Maintenance Front and Rear axle:

At 50h tighten the srews (14 X 1.5) of the axle guides
and the panhard rod with 140 Nm!

8 srews at the axle guides 2 at the panhard rod (10 srews each axle)

Note: When tightening the screws, the suspension springs must be on the measurement 185mm. Use the test device 0351xxx0 set the measure.

Maintenance at every service:

1. Check springs for damage and easy of operation (visual check).

2. Check shock absorbers for any leaks (visual check).

3. Check the bearing shells of the axle mounting for cracks and damage (visual check).

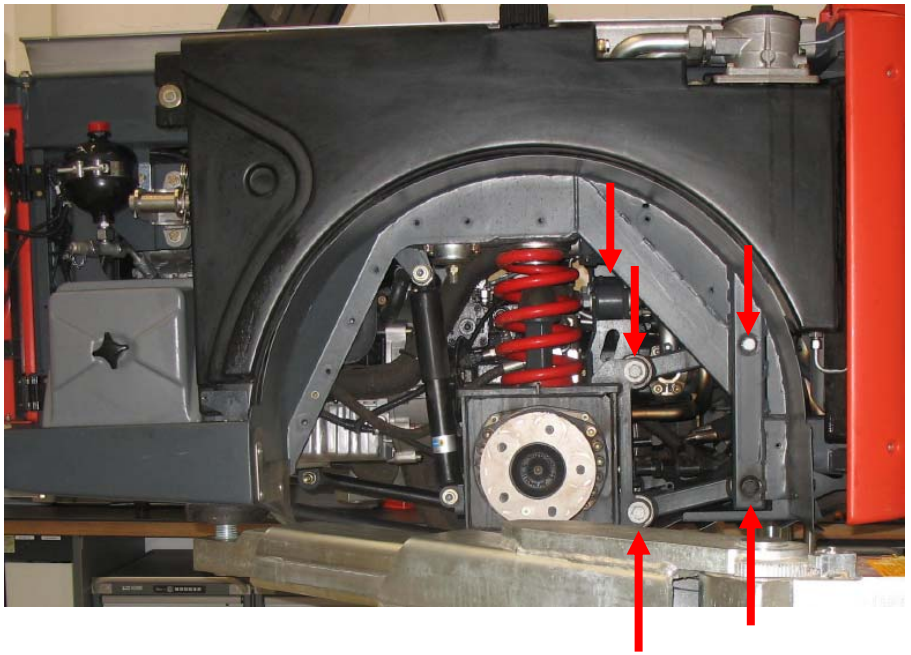
4. Check buffer for cracks and damage (visual check).

8.0.1 Axles

At 50h tighten the srews (14 X 1.5) of the axle guides
and the panhard rod with 140 Nm!

8 srews at the axle guides 2 at the panhard rod (10 srews each axle)

Note: When tightening the screws, the suspension springs must be on the measurement 185mm. Use the test device 0351xxx0 set the measure.



srews (M14 X 1.5 140 Nm)

8.0.1 Axles

Application of the test device 0351xxx0
front axle

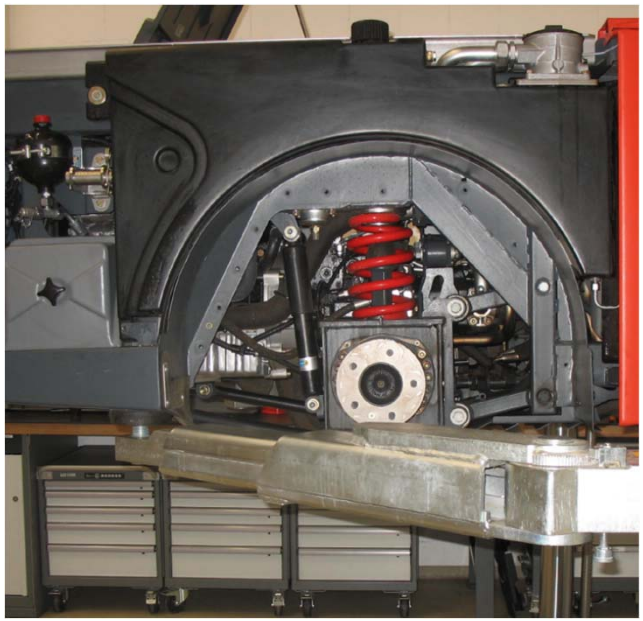
8.0.1 Axles

Application of the test device 0351xxx0
rear axle

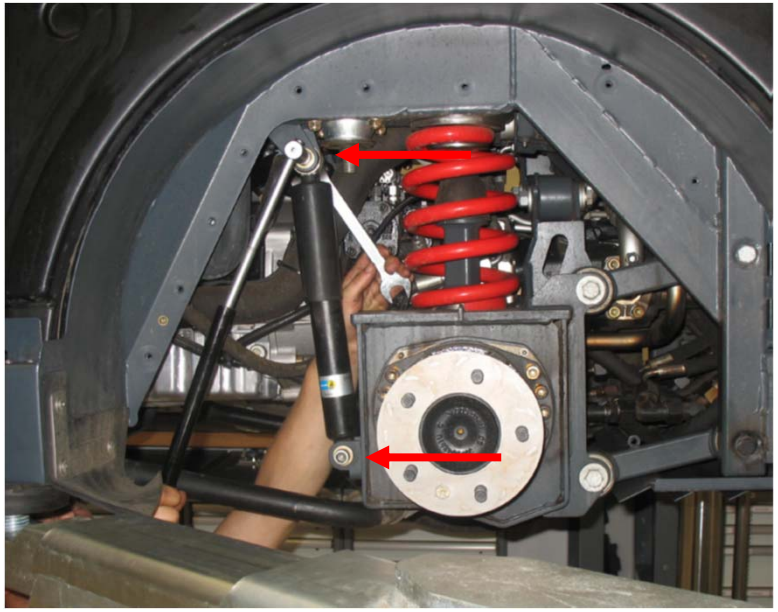
8.0.1 Axles

Disassemble (remove) the shock absorbers:

Loosen the rear wheel.
Raise the machine and reduce the load on the axle.
Disassemble the rubber cover at the wheel case.



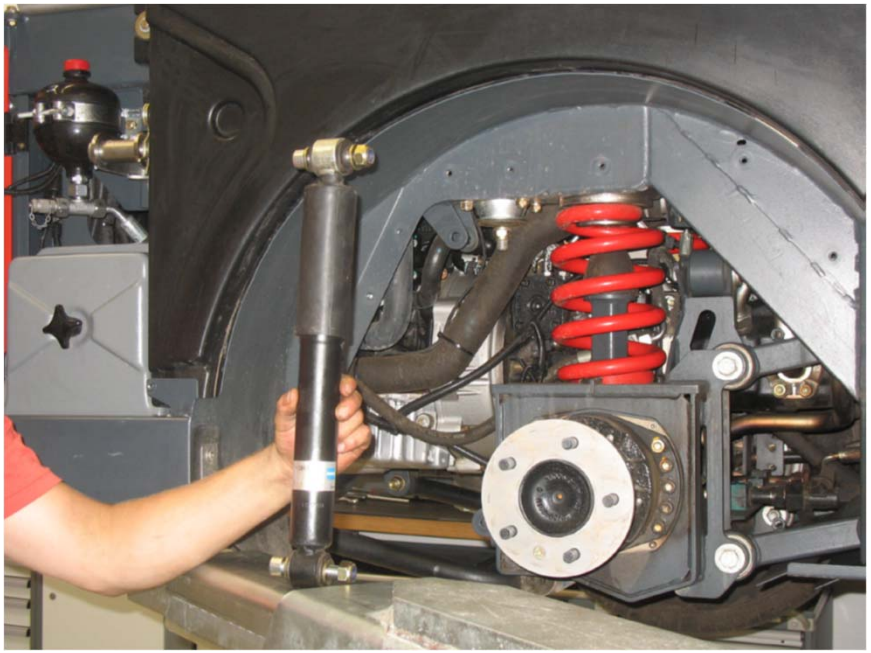
Disassemble the shock absorber at the vehicle frame and axle.



8.0.1 Axles

Note:

There is no replacement interval for shock absorbers.
The shock absorbers only need to be replaced if oil is leaking or other defects are detected at the shock absorbers. Always check the shock absorbers when carrying out maintenance tasks!



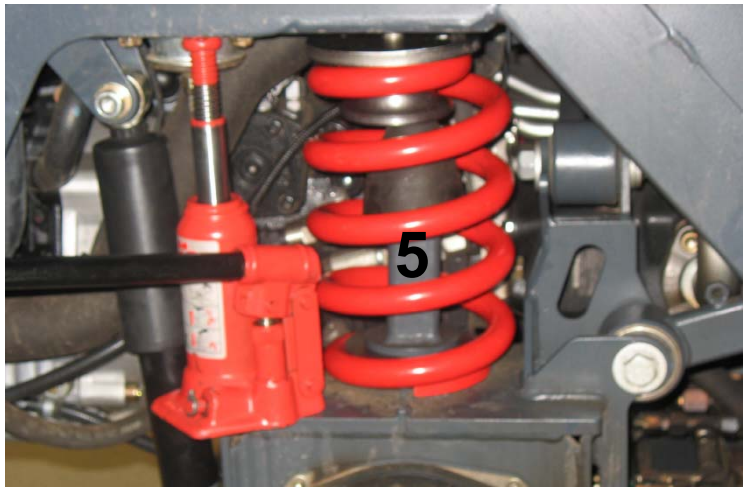
8.0.1 Axles

Disassemble the springs:

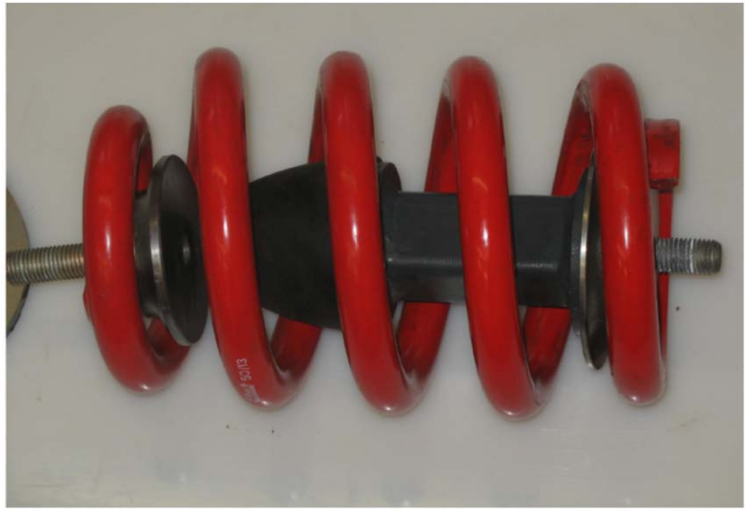
Loosen the nuts - 1 - from the spring plate - 3 -. To do this, hold the spring plate - 3 - using a suitable tool.

8.0.1 Axles

Use a suitable tool to push down the axle and release the spring tension.
Disassemble the rubber buffer - 5 - with holder.
Disassemble the spring.



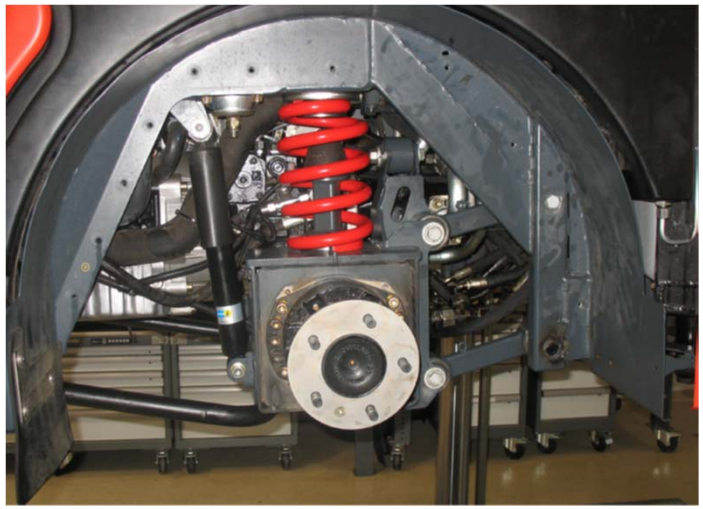
Note: There is no specified replacement interval for springs. The springs or the rubber buffer only need to be replaced when damaged. Always check their condition when carrying out maintenance tasks!



8.0.1 Axles

Disassemble the rear axle:

It might be necessary to disassemble the rear axle if repairs have to be carried out at the variable displacement pump, the travel pump and at other components located in the area of the rear axle.



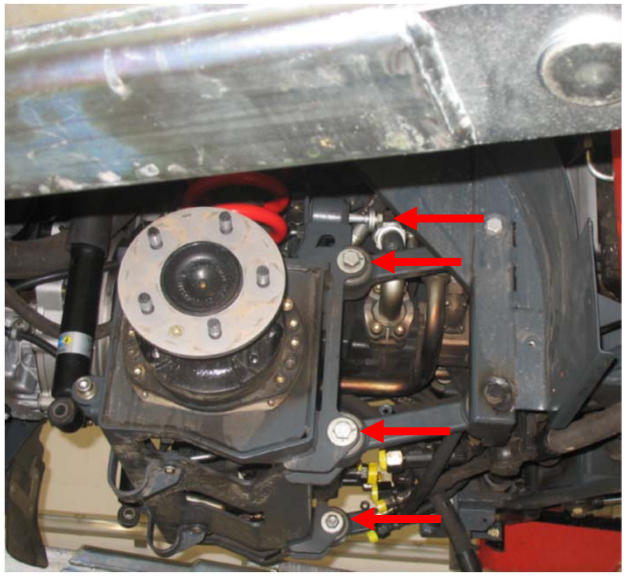
Disassemble the stabiliser of the rear axle - 1 -.

Loosen the nuts at the spring plate.
To do this, hold the spring plate using a suitable tool.

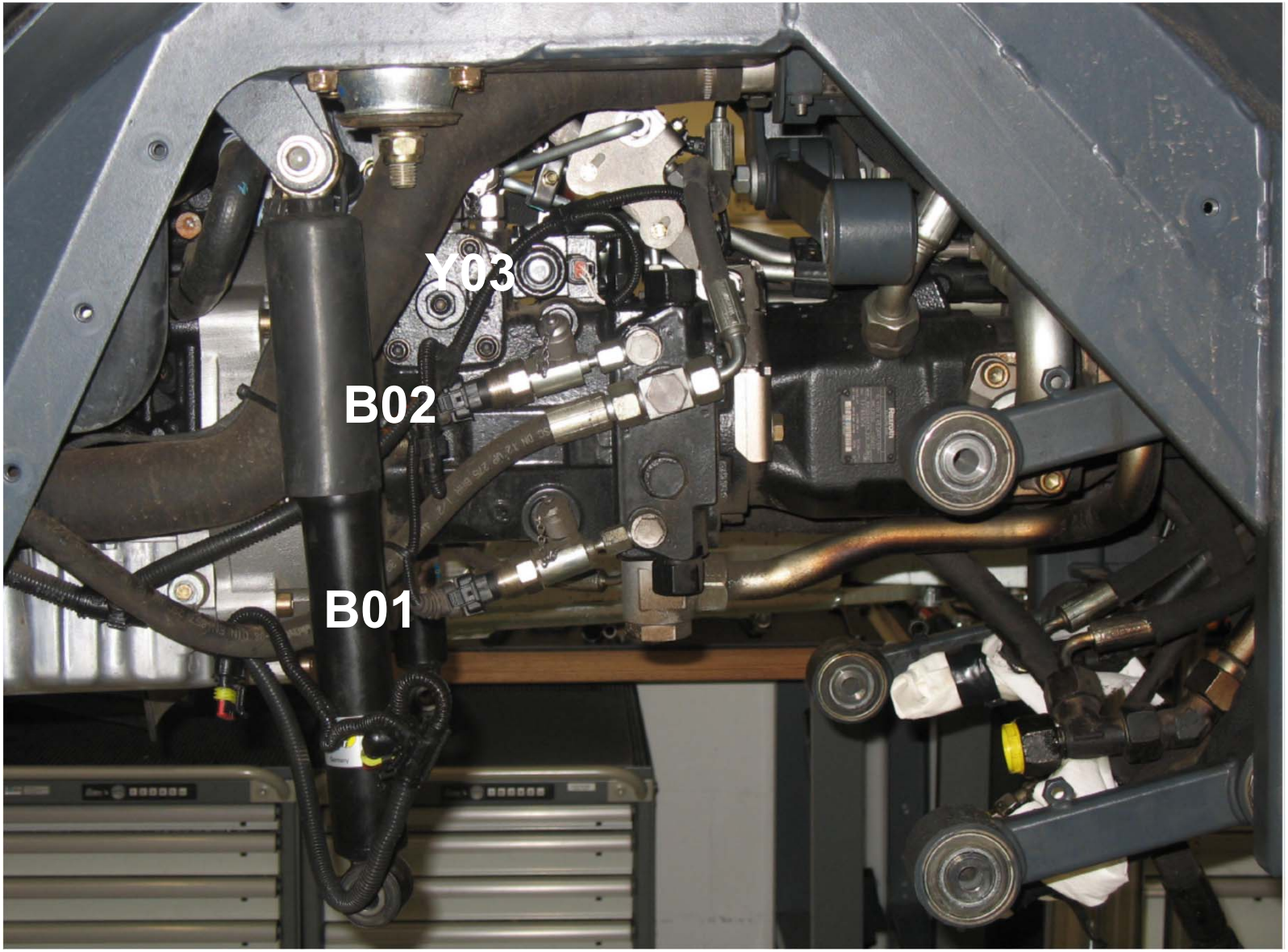
8.0.1 Axles

Disassemble the shock absorber - 3 - at the axle.

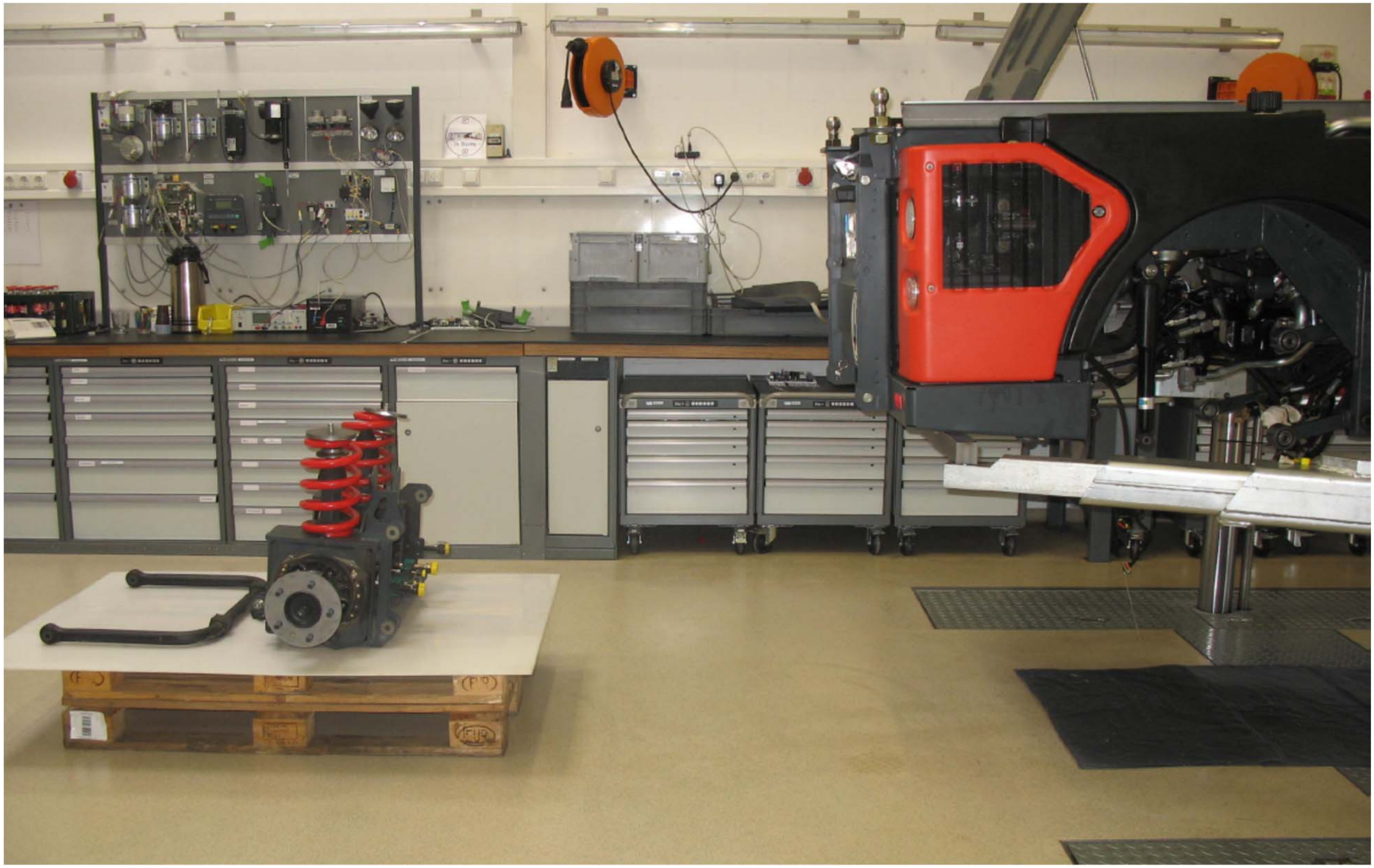
Turn the bolt at the Panhard rod (transverse control arm) on the right in driving direction and remove it.
Use a hand pallet truck or other suitable lifting gear to support the axle.
Remove the bolts at the control arms on the left and right in driving direction.
Use the lifting gear to lower the axle and remove it from underneath the machine.
Note: When lowering the axle, ensure the pressure transducers for drive B01 and B02 and the hydraulic connections at the travel pump are not damaged!



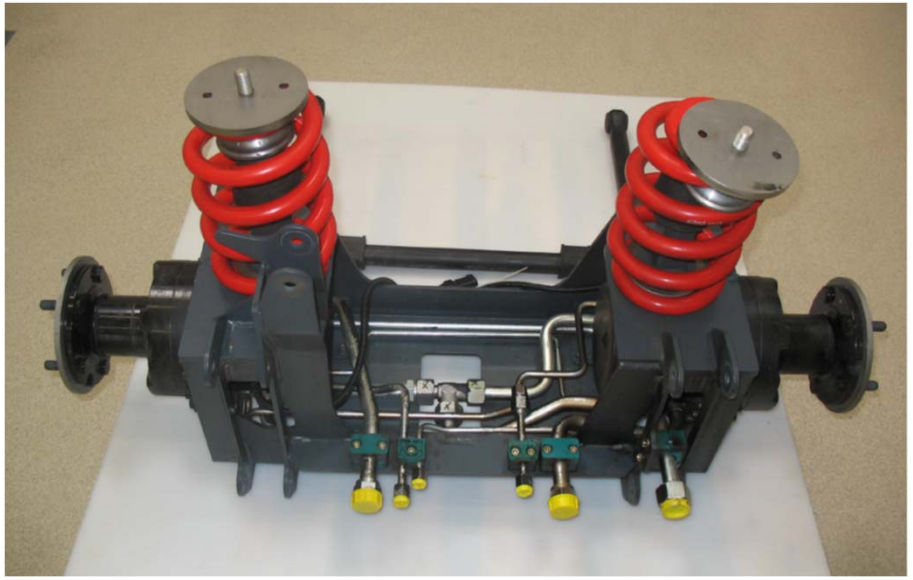
8.0.1 Axles



8.0.1 Axles



8.0.1 Axles

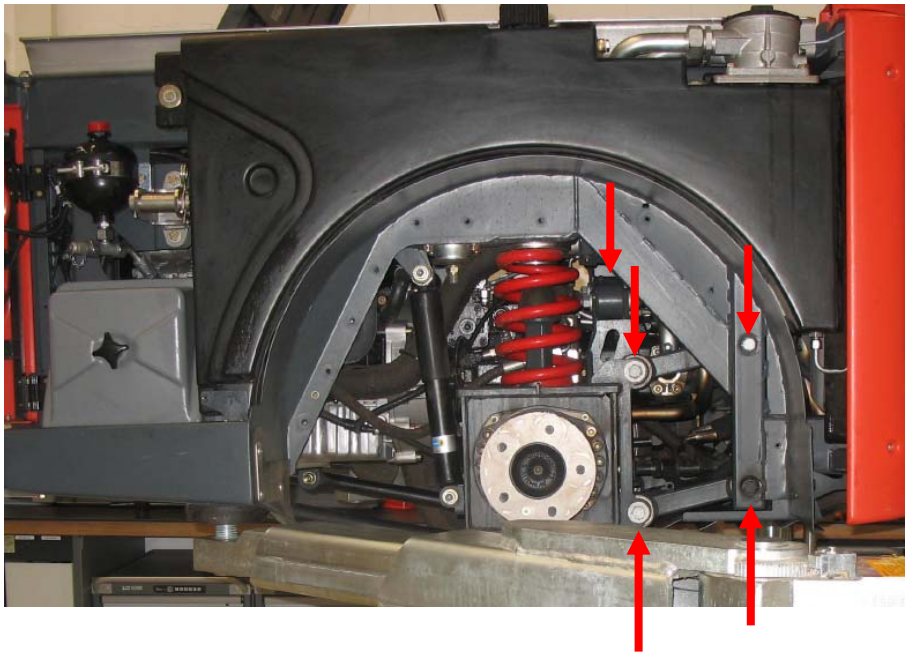


8.0.1 Axles

Assemble the rear axle in reverse order.

Note: Insert the bolts at the longitudinal control arms and at the Panhard rod. Lower the machine ensuring the normal vehicle weight is placed on the axle. This is necessary to ensure the bearing bushings of the arms are installed in a central position. If the bearing bushings are not installed in a central position, it may result in premature wear of the bushings.

Note: When assembling the axle, ensure the pressure transducers of the drive hydraulics B01 and B02 and the hydraulic connections at the travel pump are not damaged! Make sure the connectors of the pressure transducers B01 and B02 are inserted correctly and not swapped by mistake!



Tighten the srews (14 X 1.5) of the axle guides and the panhard rod with 140 Nm!

140 Nm

8 srews at the axle guides 2 at the panhard rod (10 srews each axle)

Note:
When tightening the screws, the suspension springs must be on the measurement 185mm. Use the test device 0351xxx0 set the measure.