

# Suspension spheres

June 2018



## PRODUCT ADVANTAGES

- Re-use of the existing range with reduced prices.
- Part displaying equivalent quality to the original part.
- Coverage of the entire fleet of PSA vehicles on the road.
- New parts, not reconditioned or standard exchange parts.
- Quality: the Eurorepar spheres are tested and approved by the manufacturer.



Produced in partnership with one of the specialists in suspension spheres, the Eurorepar range covers over 99 % of the French and European fleet with some 62 references.

The spheres provide additional driving and seating comfort.

A key element of hydraulic suspension, Eurorepar pays particular attention to the quality of the spheres, which meet the original specifications.

### DID YOU KNOW?

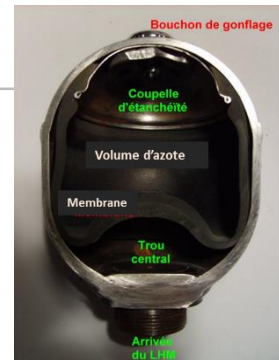
The deterioration of the spheres significantly changes the vehicle's road-holding behaviour: altered road holding, longer braking distances, reduced driving comfort.

## THE RANGE OF SPHERES

The Eurorepar range includes 2 types of sphere:

- “ball” spheres for Citroen BX, Xantia, XM, CX
- “saucer” spheres for Citroen C5 (I, II and III) and C6.

Please consult the allocation table to check correspondence with the vehicle.



## TECHNICAL CHARACTERISTICS

- Different operating volumes and pressures depending on the type of sphere (suspension sphere, accumulator, anti-sag, anti-roll, regulator).
- Increased service life of the components of the sphere (in particular the membrane), regardless of the conditions of use.
- The spheres are provided with a thread protection, gasket and cap
- The protective paint guarantees the spheres' resistance to corrosion.
- No loss of characteristics after lengthy storage.
- Product integrity guaranteed in cardboard packaging.

## REGULATIONS

- The production process is certified ISO 9001
- The spheres are approved by the TÜV international quality standard
- Environment: materials compliant with the REACH regulations (Registration, Evaluation and Authorisation of Chemicals) relating to chemical risks.

Our parts are guaranteed for

**2** years\*



www.eurorepar.com

Our parts are guaranteed 2 years\* against any manufacturing or material defect\*\*.

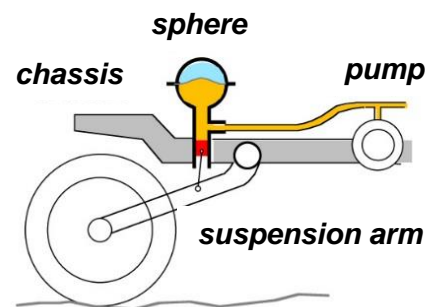
(\*) For Citroen, DS, Peugeot and EuroRepar Car Service repair networks: the warranty runs for 2 years, parts AND labour included.

(\*\*) For the conditions of application, contact your dealer.



Compared to a conventional system with a spring and shock absorber, a sphere-based hydraulic suspension provides **remarkable performances**.

- **Excellent road holding** and comfort specific to this type of suspension with perfect filtration of irregularities in the road.
- For specific conditions of use, the suspension guarantees a **constant vehicle attitude** when heavily loaded.
- The **variable body height** enables the vehicle to be lowered for loading or raised to ensure "careful" clearance of an or pavement.
- With regular maintenance, it provides a **highly reliable solution**.
- **Maintenance of the spheres is quicker and easier** for the same cost.



### CONDITIONS FOR REPLACEMENT

Over time, the pressure of the spheres falls. The progressive deterioration of a sphere makes the **suspension increasingly rigid**.

**It is advisable to change a sphere every 4 to 5 years and/or every 60,000 km to 100,000 km**, depending on the load and mileage of the vehicle. On the Citroen C5 and C6, the service life is 10 years or 200,000 km, thanks to the use of the new "saucer" sphere.

#### Assembly advice:

- A sphere must be **assembled and tightened by hand**, without using tools.
- A sphere must be **disassembled (loosened) using a suitable tool**: chain spanner, strap spanner or filter spanner.
- Remember to **depressurise the hydraulic circuit first**.
- Do not forget to **change the seal following a disassembly**.
- **It is important to perform these operations in a clean environment to avoid polluting the circuit.**

### DID YOU KNOW?

A damaged sphere can result in a vehicle failing the MOT test.

### ADDITIONAL SALES

With every maintenance operation on the **remember to check the hydraulic circuit with our LHM+ and LDS suspension fluids**



LHM+ ref. 1615099880



LDS ref. 1615099680

