WHAT ARE CIRCULAR ECONOMY PARTS (PIEC)?

Parts derived from the circular economy (PIEC) are automotive components that extend the life cycle of vehicles.

Instead of producing new parts, existing components are reused, reconditioned, refurbished, or remanufactured, helping reduce waste, limit raw material consumption, and support more sustainable mobility.

By giving components a second life, PIECs contribute to a more responsible and resource-efficient automotive industry.

WHAT TYPES OF PARTS ARE CONSIDERED CIRCULAR ECONOMY PARTS?

PIECs cover several solutions that allow automotive components to be reused or revalorised depending on their condition and technical potential:

- Re-used parts, recovered from end-of-life vehicles and used as-is
- Reconditioned parts, where a used component is checked, tested, and restored to functional condition
- Refurbished parts, improved to extend usability and service life
- Remanufactured parts, rebuilt through a controlled industrial process and considered the most advanced circular solution
- Repair and regeneration services, offering a second life to components that are no longer available on the market

Together, these solutions combine economic performance, technical reliability, and environmental benefits.

WHY ARE CIRCULAR ECONOMY PARTS BECOMING ESSENTIAL?

The automotive industry is facing major challenges: rising raw material prices, supply chain constraints, and increasing environmental expectations. In this context, circular economy parts represent a concrete response to these pressures.

The growing adoption of PIECs is driven by:

- the rising cost of new spare parts,
- shortages and disruptions in supply chains,
- stronger demands for sustainable and responsible mobility,
- the need to reduce the carbon impact of vehicle maintenance.

For repairers and manufacturers, PIECs offer a reliable, cost-efficient, and sustainable alternative to new parts.

REMANUFACTURED PARTS: THE MOST ADVANCED CIRCULAR ECONOMY SOLUTION

Within the PIEC landscape, remanufactured parts represent the highest level of quality and performance. Remanufacturing is a controlled and standardized industrial process designed to restore used components to their original performance standards.

A remanufactured part is:

- fully disassembled,
- cleaned and inspected,
- fitted with new or equivalent-quality components where necessary,
- reassembled and tested according to original specifications.

As a result, remanufactured parts deliver performance comparable to new parts, are often supported by strong warranties, and significantly reduce environmental impact and resource consumption compared to new manufacturing.

JTEKT EUROPE'S COMMITMENT TO CIRCULARITY AND REMANUFACTURING

At JTEKT Europe, remanufacturing is a key pillar of our circular economy strategy

By revalorising used components and applying strict industrial standards, we aim to extend product life cycles while reducing waste and material consumption.

Leveraging our steering expertise, JTEKT Europe delivers high-quality remanufactured parts that meet stringent performance and durability requirements.

Through our circular approach, we strengthen our role as a responsible industrial partner and actively support the transition toward a more sustainable automotive sector.