



## Citroën Berlingo

LCV / Multispace

**3 versions:** Short, Long & Crew cab

**Engine:** 1.6 BlueHDi 100 HP (with and without Stop&Start)

Manual gearbox

**Incompatible options:** Grip control, ETG6 Gearbox, Citroën tow bar, 75hp /120hp engines, Active City Break, 7 seats version.

## Description of the 4x4 driveline:

- **DRIVEABILITY** : 4x4 driveline with viscous coupling, electronic traction control (selectable 4X2/4X4 modes),
- **SAVINGS** : ECO 2WD mode (selectable 4x4 / 4x2 modes)
- **ROBUSTNESS** : protection plates under engine/gearbox & fuel/Cerine tanks, specific Dangel tow bar
- **CROSSING** : raise in suspension of 7cm (195 mm ground clearance)  
(See scheme on p.2)

## Working principle:

Dangel 4x4 system can adapt to your needs, roads and weather conditions, thanks to its mode selector (ECO 2WD or AUTO 4WD).

**ECO 2WD Mode:** the 4x4 driveline is disengaged, thanks to a jaw clutch in the front transfer case. The vehicle works in front wheel drive, as standard 2WD version. This allows to save fuel and tires wear, when 4x4 is not necessary.

**AUTO 4WD Mode:** In conditions of normal surface grip, the vehicle works in front wheel drive, like the standard 2WD version. If the front axle loses traction, the viscous-coupling unit transfers a part of the available torque to the rear axle. This takes place automatically, without any driver's intervention, smoothly and only when necessary. The vehicle returns to 2WD as soon as the front axle has sufficient traction again.



## Warranty & maintenance:

2 years / 100 000 km warranty as standard. Service intervals as per base vehicle.

Oil servicing of front transfer box and rear axle every 25 000 km / 1 year in normal use (or every 15 000 km / 1 year in case of intensive use).

## Advantages

- ✓ 4x4 on demand (Mode selector ON/OFF)
- ✓ Increased ground clearance (200 mm)
- ✓ Low CO2 emissions and fuel consumption
- ✓ Only LCV 4x4 with 3 seats
- ✓ Comfort (springs and suspensions)
- ✓ Automobiles Dangel is a 4x4 specialist
- ✓ Adaptability/ rough terrain options available
- ✓ Protections (under engine/gearbox and fuel/cerine tanks)

## Useful information

**Dangel Conversion lead-time :**  
4 to 6 weeks (after vehicles reception // transport excluded)

**EU Type approval e2\*2007/46**  
2<sup>nd</sup> step COC for each vehicle

## Scheme of the 4x4 driveline:

