Peugeot Boxer 4x4

LCV (Van, chassis cab, plateau, …)
Engines: 2.2 BlueHDi 140 and 165 hp
Manual gearbox

Incompatibilities : air suspensions, 110 hp engine, wide tracks, 4 tons versions, van with crew cab, Lane departure warning system + Active safety break.

« Traction Control » version

- **DRIVEABILITY:** 4x4 driveline with viscous coupling, electronic traction control (on the 4 wheels),
- **ROBUSTNESS:** protection plates under engine/gearbox
- **CROSSING:** raise in suspension
- **SAVINGS:** selectable 4x4 / 4x2 modes

(See scheme p.2)

The 4X4 Dangel system, a cost saving system

Dangel 4x4 system can adapt to your needs, roads and weather conditions

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

AUTO 4WD Mode: In conditions of normal surface grip, the vehicle work 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 (Unlimited mileage).
Service intervals as per base vehicle.
Oil servicing every 25 000 km / 2 years in normal use

Advantages

√ 4x4 on demand (Mode selector ON/OFF)
√ Increased ground clearance
√ Low CO2 emissions and fuel consumption
√ Comfort (springs and suspensions)
√ Automobiles Dangel is a 4x4 specialist
√ Adaptability/ rough terrain options available
√ Protections under engine/gearbox - fuel/cerine tanks (option)
√ Rear differential locking (option)

Useful information

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

EU Type approval e2*2007/46
2nd step COC for each vehicle

Scheme of the 4X4 driveline

Mouvement take-off

Front transversal transmission

Front longitudinal transmission

Rear longitudinal transmission (in 2 parts on L3/L4 wheelbases, 1 part in L1/L2 wheelbases)

Half rear shaft

Front transfer box

Viscous-coupling

Rear axle

Rear transfer box

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