



Opel Vivaro & Zafira Life 4x4

3 versions : Small, Medium & Large
Engine : Diesel 2.0 120 HP and 2.0 150 HP
Manual gearbox

Incompatibilities: Vivaro Combi, Intelligrip, automatic gearbox, original Opel tow bars (for raise in suspension +40 mm), diesel 1.5 100 hp, 1.5 120 hp and 2.0 180 hp engines

«Traction Control» version

- **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
- **CROSSING** : raise in suspension

(See Scheme on p.2)

The 4X4 Dangel system, a cost saving system :

Dangel 4x4 system can adapt to your needs, roads and weather conditions, thanks to its switch mode (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 (Unlimited mileage)
Service intervals as per base vehicle
Oil servicing of rear axle every 50 000 km / 1 year (in normal use)

Avantages :

- ✓ 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 for 40 years
- ✓ Adaptability/rough terrain options available
- ✓ Protections (under engine/gearbox)

Useful Informations :

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

Mandatory order Code : F46

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

Scheme of the 4x4 driveline :

