



OPEL COMBO

4x4 DANGEL



OPERATING AND MAINTENANCE INSTRUCTIONS
(Supplement to basic instructions)

Dear Customer,

Thank you and congratulations for selecting a vehicle fitted with a four-wheel drive system designed and built by Automobiles DANGEL.

In order to allow you to fully benefit from the qualities of the DANGEL vehicle, these instructions cover all the particularities of four-wheel drive systems. Please read these instructions before using the vehicle for the first time. These instructions contain a significant quantity of important information, details and advice.

They will help you take full advantage of the technical qualities and services offered by the four-wheel drive system brought to you by Automobiles DANGEL.

You will find information about the maintenance of the four-wheel drive system of your vehicle at the end of this booklet.

Automobiles DANGEL wishes you happy reading and safe driving.



WARNING



The four-wheel drive system will appreciably enhance the driveability of your vehicle, allowing its use in places where, under some circumstances, even an improved two-wheel drive version cannot be used.

For your safety and long vehicle life, please adapt your driving style to road conditions whenever these are treacherous (see the pages of these operating instructions about the limits and the operating recommendations)

These instructions supplement the basic instructions of your vehicle and only address the particularities of the four-wheel drive system by Automobiles DANGEL. For any other information, please refer to the basic vehicle instructions.

Please note that:

Your vehicle contains some of the equipment described in this document depending on the finish level, version and characteristics specific to the country of marketing.

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USAGE ADVICE:



WARNING



While the four-wheel system designed and manufactured by Automobiles DANGEL gives undeniable additional driveability, it is not intended to give your vehicle the capability to clear obstacles.

Therefore, its enhanced mobility renders it suitable only for **all-road** use, **not all-terrain**.

Non-compliance with the recommendations given in these instructions could damage your vehicle and void our guarantee.

DRIVING

▪ **Operating the four-wheel mode**

Your vehicle is fitted with an automatic coupler. Its job is to transfer part of the engine torque to the rear axle in case of loss of grip by the front axle. This transfer is managed **fully automatically** and does not require **you to take any action**.

Note: *While parking (in first and reverse gear), as the steering lock stops are approached, the vehicle is slightly held back in its movement. This **phenomenon is completely normal** and results from the different rotation speeds between the front and rear axles.*

Your vehicle is fitted with:




- An automatic hydraulic coupler:
A viscous coupling unit.
- As an option, a lockable rear axle.



SAFETY EQUIPMENT

The management of the **ESP** circuitry is specific to the vehicle and includes the following systems identical to the basic vehicle: (please refer to the manufacturer's instructions for more information).

- Anti-lock braking system (**ABS**)
- Electronic brake force distribution (**EBFD**).

	If the ESC indicator comes on with an audio signal and a message, that indicates system malfunctioning that could lead to a loss of control over the vehicle while braking.
	When that indicator goes on, along with the STOP indicator and an audio signal and a message, that indicates malfunctioning (of the EBFD) that could lead to a loss of control over the vehicle.
	In both cases, the system is disabled ; seek advice from the network or a qualified workshop as early as possible.

NB: if you change the wheels (tyres and rims), make sure they are approved for your vehicle.

The working of the ABS system may be evidenced by slight vibrations in the brake pedal.

- Emergency brake assistance (**EBA**).
- Anti-Slip Regulation (**ASR**).
- Electronic Stability Program (**ESP**).

The **ESP** system is enabled automatically every time the car is started. If there is a loss of traction, the system goes on as indicated by the flashing indicator.

In exceptional conditions (mud, snow, soft ground etc.) it may be of use to neutralise the system by pressing the button to make the wheels spin and get back traction.

NB: the system is re-enabled manually or automatically from 50 km/h

The **ESP** system offers greater safety in addition to the 4x4 drive in normal conditions, but must not be used by the driver to take more risks or drive at excessively high speeds above the limits of the law of physics.

▪ **Driving on all roads**

The all-road performance of this vehicle category with a gross vehicle mass (GVM) of up to **2.4 T** depending on the version is especially influenced by the following:

- Transported load, distribution and securing;
- Available traction;
- Type of ground;
- Tyre wear and tear and type.

Under all circumstances of off-road use and when grip conditions become precarious, users are advised to:

- Drive smoothly without sudden movements or jerks;
- Control and reduce speed for an unhurried approach to turnings and downhill slopes;
- Anticipate braking by taking into account the considerable increase in stopping distances.

▪ **Driving with a trailer**

During off-road use, while towing a trailer, remember the following:

- The trailer may not be suited for off-road use.
- Select a parking place that will allow you to re-start easily.
- The weight of the trailer and its load can influence the behaviour and trajectory of your vehicle. Anticipate and adapt your driving style.

In accordance with hitching instructions, the hitching tightening torque must absolutely be verified after every 1000 km.

▪ **Fording**

Fording must **remain exceptional**

- Check that the depth of the water is not more than the **wheel radius**, taking account of the waves that could be generated.
- Drive as slowly as you can without stalling. Never exceed the speed of 10 km/h in any event.
- Do not stop and do not switch off the engine.

Upon driving out of the ford, as soon as it is safe enough, apply the brakes gently and repeatedly to dry the brake discs and pads.

▪ **Driving over an obstacle**

To drive over an obstacle (low ditches, step, etc.) we advise you to:

- Slow down before the obstacle;
- Accelerate moderately before the obstacle;
- Approach the obstacle sideways, and drive over it one wheel after another;
- Release the accelerator after crossing.

Users are advised against approaching an obstacle head on.

▪ **Vehicle with Stop and Start feature**

In order to not bother the user while driving on roads at slow speeds, this system should be disabled according to the indications of the original instructions of the manufacturer.

▪ **Driving up or downhill**

On a slope, users are advised to:

- Approach the slope head on, and avoid taking the slope diagonally as far as possible;
- Drive down slowly, with the wheels straight, using the engine brake;
- Take account of grip, load and distribution, because these parameters will make the maximum gradeability vary;
- Always keep the vehicle under control.

Drivers are advised against approaching slopes sideways or doing U-turns on slopes, as there is a risk of losing grip and/or slipping sideways with the possibility of turning over.

IMPORTANT

Under all circumstances, change strategy based on the situation and anticipate for your own safety and that of the other road users

VEHICLE IDENTIFICATION



The vehicle has been equipped by Automobiles DANGEL; it is identified by a label on the centre pillar to the right (see photograph opposite).

GVM

GCM

Front axle max.

Rear axle max.

Transformation number

Payload and mass

For more information, see your registration certificate.

IMPORTANT

The **payload** values include the weight of the equipment from DANGEL (approximately 110 kg depending on version).

With a four-wheel drive, your vehicle will handle better, but that does not in any event mean you can overload it.

If the tractor vehicle is not heavily loaded, that could adversely affect roadholding.

Alos, the speed limit of 100 km/h may not be exceeded.

Comply with the permissible towable loads as well as the speeds authorised by the local legislation of each country.

Towing a trailer increases the stopping distance.

To identify the permissible vertical load on the hitch, please refer to the hitch assembly instructions.

The GCM* and towable load values given apply to a maximum elevation of 1000 metres; the towable load must be reduced by 10 % for every additional 1000 metres.

High exterior temperature may adversely affect the performance of the vehicle to protect the engine; when the exterior temperature is above 37 °C, limit the towed mass.

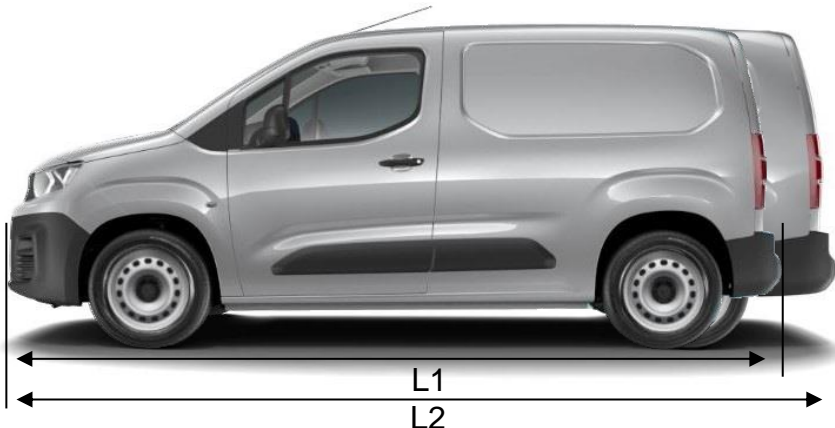
The towable mass and load values specific to your vehicle are provided in the registration certificate and on the manufacturer's plate or label.

*GCM : Gross Combination Weight.

	VU L1 VAN 2 SEATS PL 650 kg	VU L1 VAN 2 SEATS PL 1000 kg	VU L1 VAN 3 SEATS PL 650 kg	VU L1 VAN 3 SEATS PL 1000 kg	VU L2 VAN 2 SEATS - 3 SEATS PL 1000 kg	VU L2 DEEP CABIN 5 SEATS	VU L1 5 SEATS MPV	K9. VU L2 5 SEATS MPV
2.11.3 Braked trailer towing capacity	1500	1200	1500	1200	1200	1250	850	1200
2.11.6 Unbraked trailer towing capacity	720	720	730	730	750	750	750	750
2.12 Vertical load on hitch	74	74	74	74	74	74	35	74

Mass in kg

We fit

Engines	Shapes
VU 1.5 DV5 RC FAP (ML) Power 130 CV (96 Kw) Torque 300 N.m	

Tyres



▪ Tyre pressure

The tyre is the element that connects your vehicle to the ground and therefore it is important to check its pressure regularly to ensure:

- Good roadholding
- Moderate fuel consumption
- Protection from wear and tear

Reminder: Tyre pressure is checked when the tyres are cold.

Note:

- Optional off-road tyres with specifications different from those mounted originally are suitable for driving on all roads and in precarious grip conditions. Take account of that particularity while using the vehicle on roads.
- The pressure value is given in the basic instructions of the vehicle or on the label glued to the lower part of the centre pillar on the left.

▪ Undercarriage geometry

The angles of geometry are specific to the transformation by Dangel; please refer to the after-sales service literature.

IMPORTANT

The tyres must be of the **same make and type** and must show the **same degree of wear and tear** at the front and rear.

Ensure that the front and rear **wheels are regularly switched around without crossing them** based on their degrees of wear.

Tyre wear and tear has a direct influence on the grip of the vehicle while driving in **precarious conditions** (snow, mud, etc.).

For such uses, do not hesitate to **replace the tyres earlier** before they reach the tread wear indicators.

Do not hesitate to use specialised tyres suited to your use.

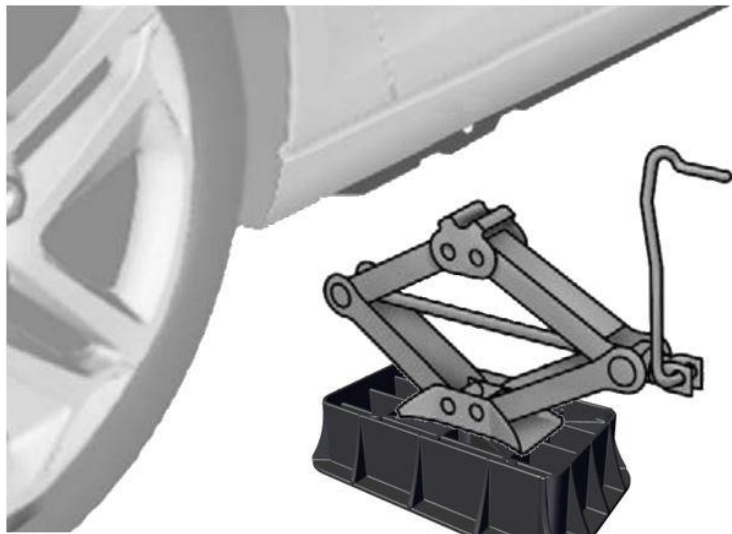
Wheel replacement

Your vehicle has been fitted with a Dangel transformation and has been raised by +60 mm or +80 mm (option).

While changing a wheel, use only the manufacturer's jack and the jack block supplied by Automobile Dangel.

Place the jack on the block provided.

Make sure that the jack is stable. If the ground is slippery or soft, the jack could slip or sink in.



Risk of injury.

Please refer to the manufacturer's instructions for using the jack present in the vehicle.

Info: the jack block is in the spare wheel.

Washing the vehicle



After your vehicle has been used under severe conditions (mud, snow etc.), we advise you to wash it:

- Taking off the wheels of the vehicle optimises washing
- Pressurised washing is more effective
- Washing under the body frame increases the effectiveness
- Check that the protection plates are not fouled; remove if required in order to prevent blocking of the mobile elements.

If you are using a high pressure hose please maintain proper distance in order to:

- Protect the painted surfaces
- Protect the fragile mechanical items (seals, hoses etc.)

In case of an incident

Contact a repairer certified by the manufacturer and inform them that the vehicle is fitted with a DANGEL four-wheel drive system (hand these instructions over if required). For ease of identification, we suggest that you also give the equipment number (see page 12).



IMPORTANT

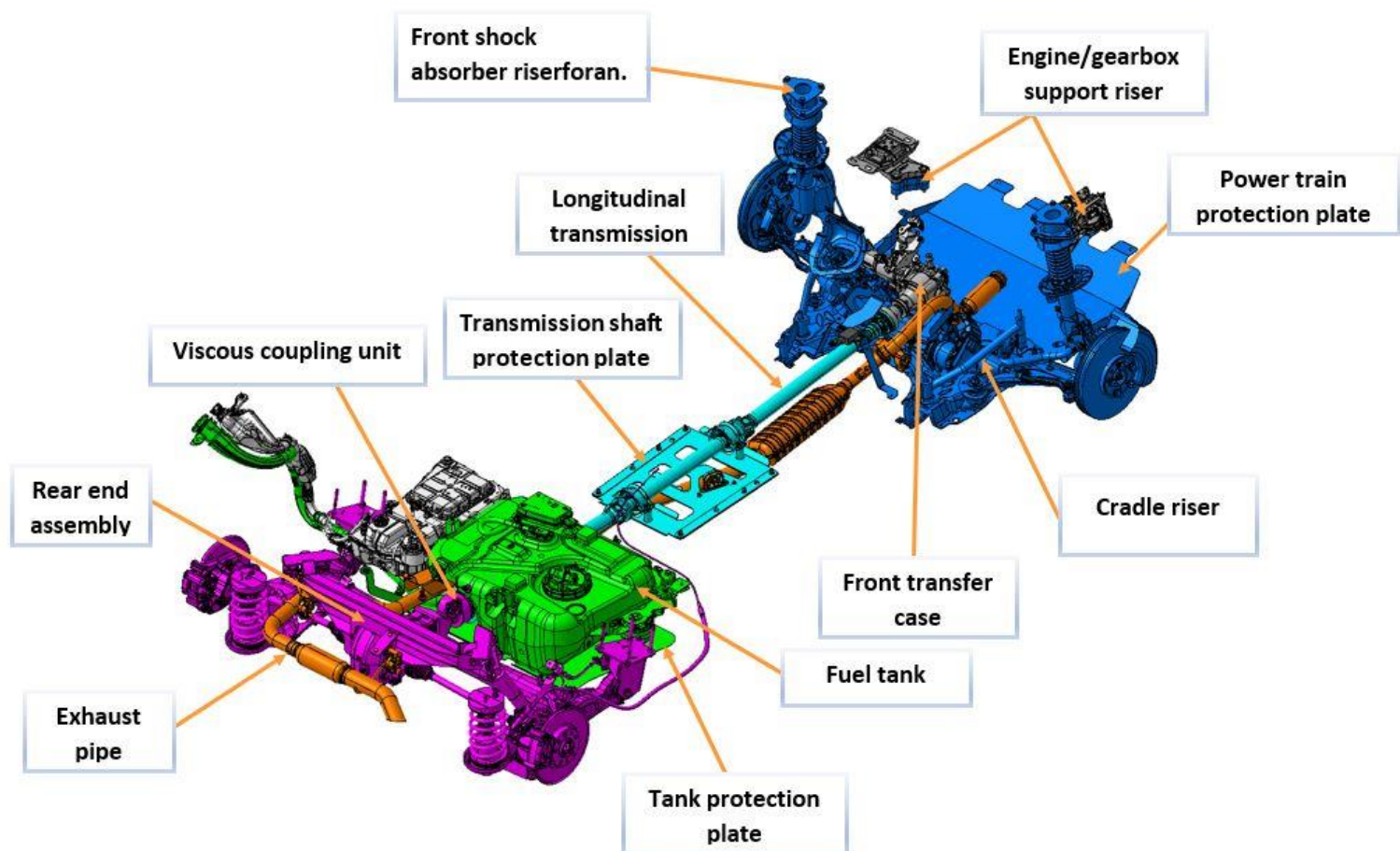
Like most four-wheel drive vehicles, this one must **never be towed by lifting the front or the back** (that could destroy the transmission).

The vehicle must be towed with the four wheels on the ground (or loaded on a deck).

OPERATION OF THE AUTOMOBILES DANGEL 4X4 EQUIPMENT

System architecture

Characteristics of the 4x4 transformation:



- 4x4 transmission with automatic transfer of torque through hydraulic coupler
- Total ground clearance 185 to 205 mm with no load and in running order (depending on version)
- Gear ratios unchanged
- Original tyres
- Weight of the equipment: approximately 110 kg (variable depending on version)

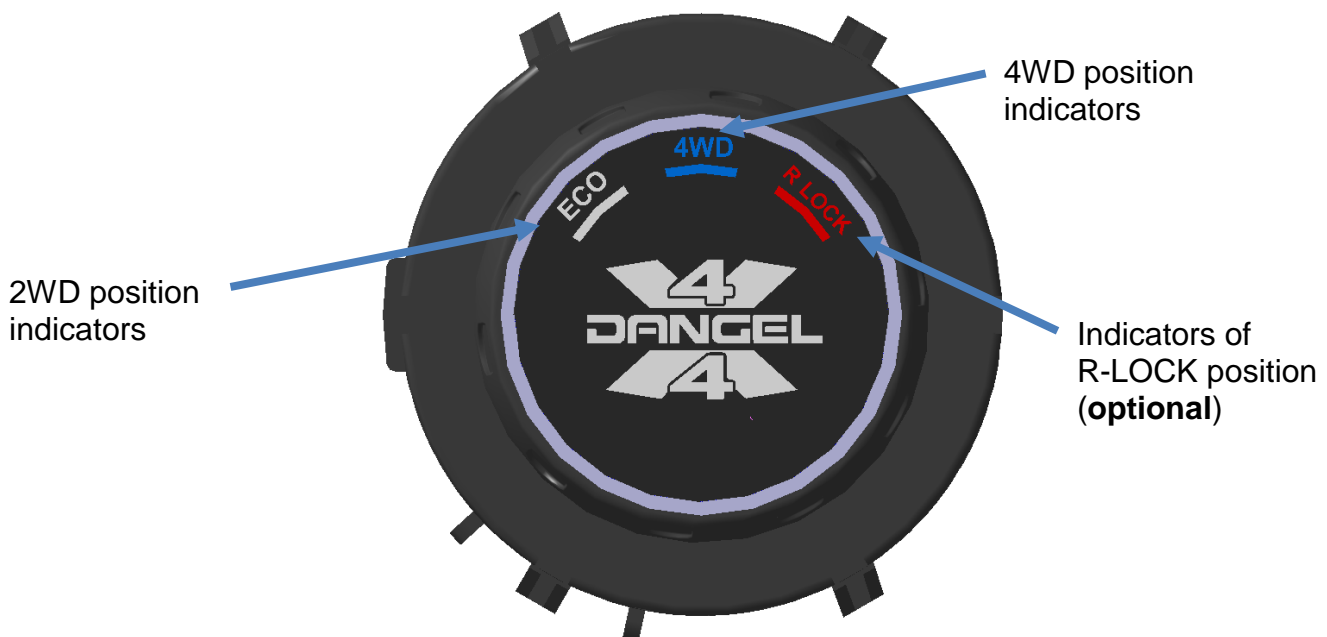
Control button:

The system has three running positions:

- A **2WD** (eco) position that allows driving with a with two front drive wheels (white indicators).
- A **4WD** (auto) position that allows optimum driving with four drive wheels depending on grip (blue indicators).
- An **R-LOCK** position where the rear axle assembly is locked to continue to offer drive (red indicators + sound signal)

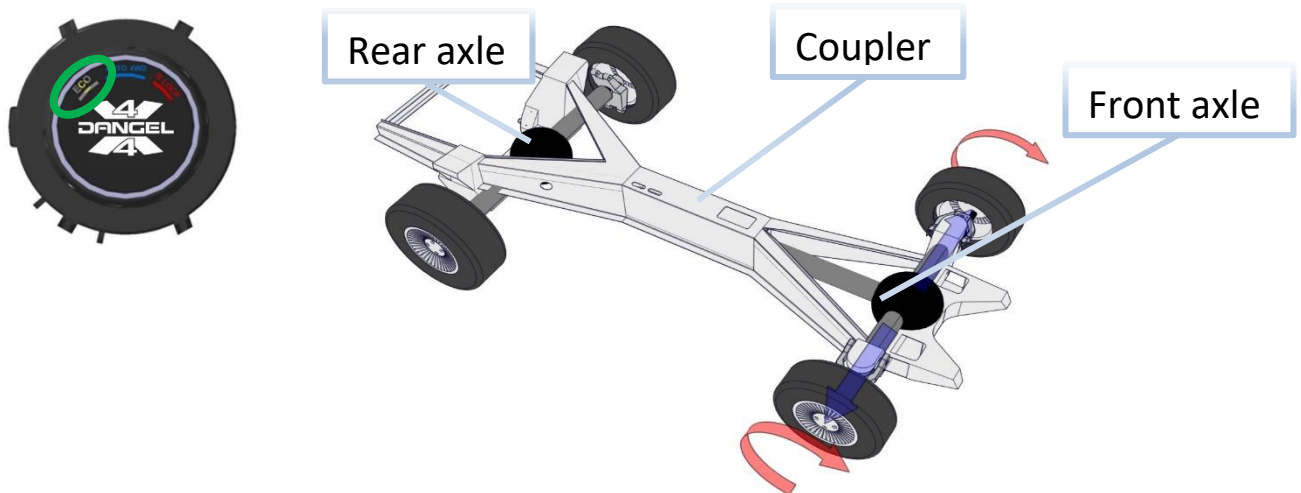
Note:

- **Since the coupling system is mechanical, the electrical status does not represent the mechanical position of the coupling (see transition mode in the chapter on sound and light signals).**
- **Never move from 2WD position to 4WD when the front wheels are slipping.**

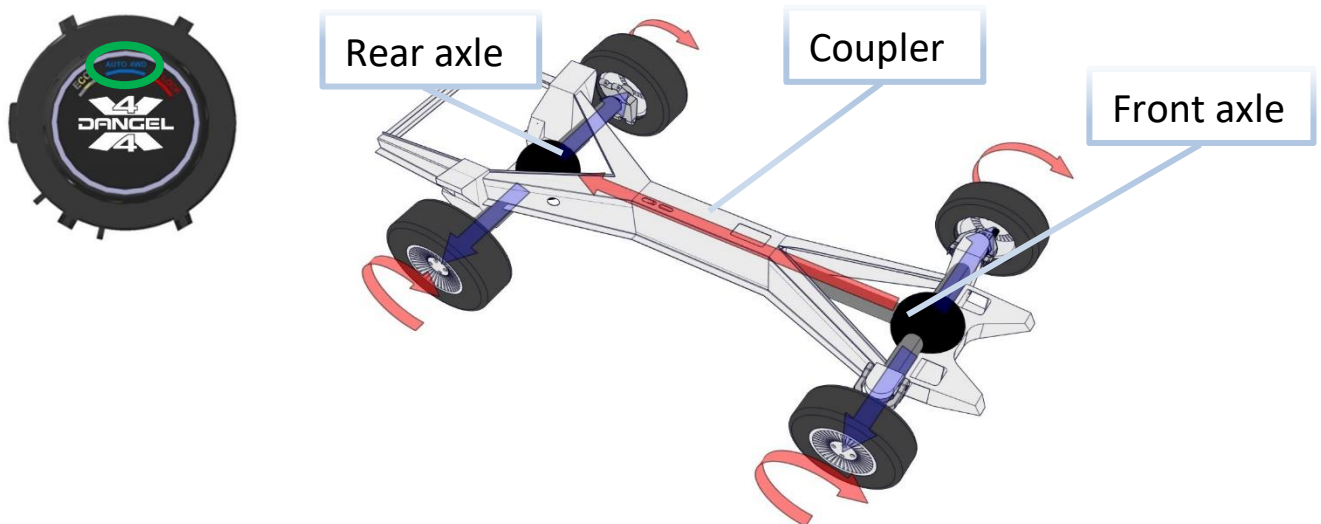


2WD 4WD operating principle

NORMAL 2WD OPERATION



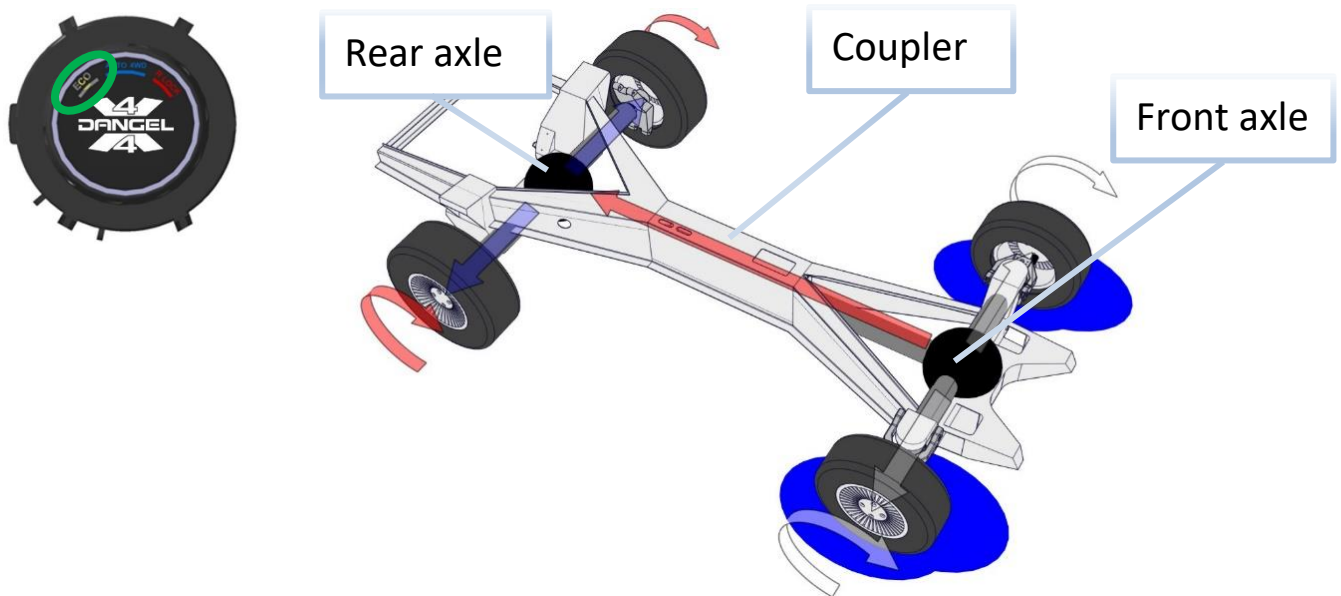
NORMAL 4WD OPERATION



The working of the four-wheel drive system from Automobiles DANGEL is based on **automatic** and **optimal distribution** of the **engine torque** where the **coupler** is the **heart of the system**.

Based on the grip of the front axle wheels, the coupler automatically distributes the engine torque on the wheels of the rear axle thereby ensuring **additional drivability** to the vehicle.

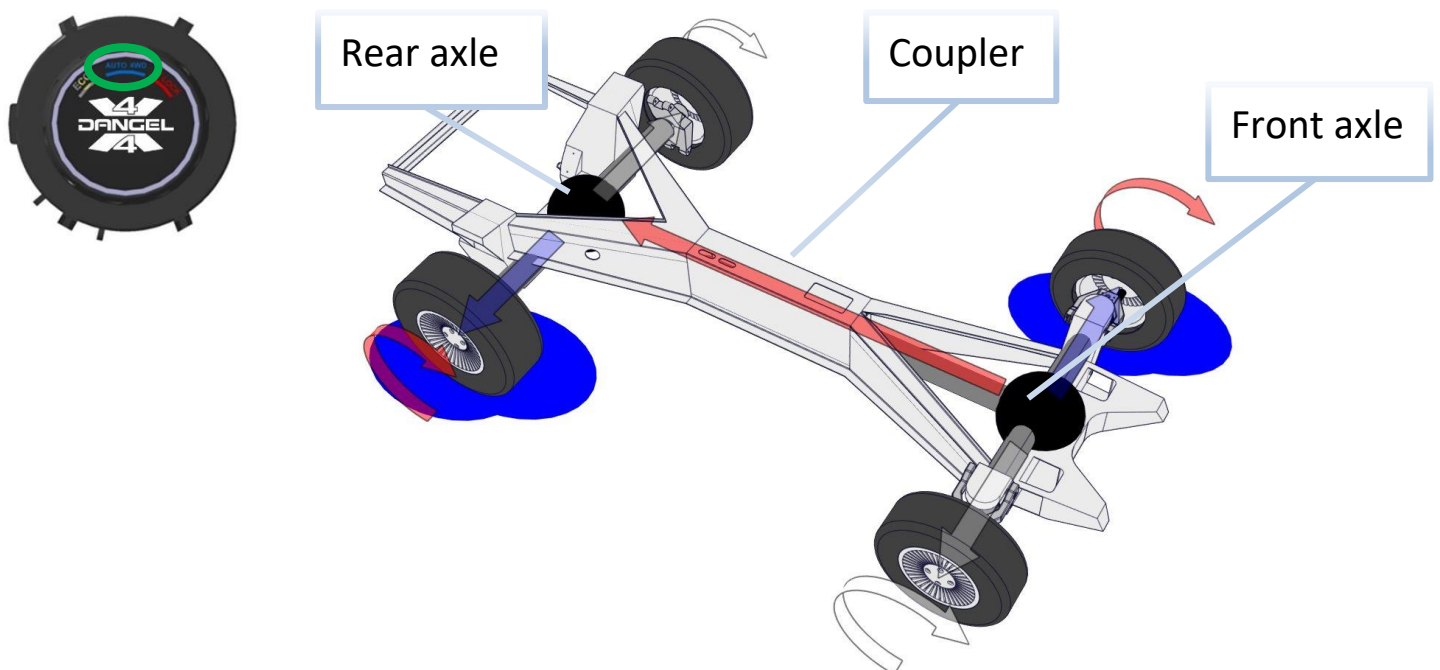
LOSS OF FRONT AXLE GRIP IN 4WD MODE



LOSS OF FRONT AXLE GRIP IN 4WD MODE: R LOCK operating principle (optional rear axle assembly WITH lock)

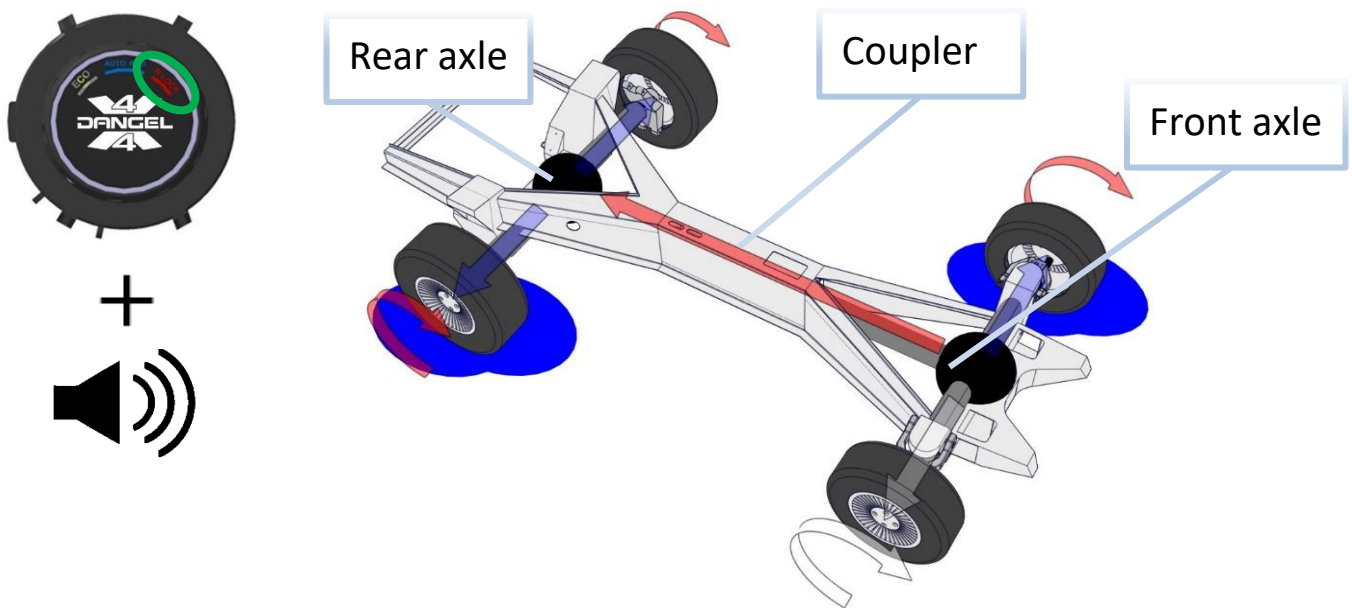
LOSS OF GRIP OF A REAR WHEEL AND A FRONT WHEEL

Free mode = movement impossible



LOSS OF GRIP OF A REAR WHEEL AND A FRONT WHEEL

R LOCK mode = movement possible



In the **free position**, the DANGEL rear axle distributes the torque between the right wheel and the left wheel. Besides, the differential enables the rear right wheel and rear left wheel to turn at different speeds. On curves, this allows safe **road behaviour** and **protects the transmission and tyres**.

In the **locked position**, the DANGEL rear axle drives the rear wheels at the same speed, and **uses the tyre grip to the maximum**. That also allows the vehicle to move on the most difficult paths: bridge crossing points, bumpy uphill roads with high gradient etc.

For more details on using the lockable differential rear axle, please refer below.

IMPORTANT

- Rear differential locking must be used under exceptional circumstances.
- Rear differential locking must be activated only on grounds with poor grip.
- **Never use the locking mechanism on ground with strong grip, especially in turns.**
- Never engage the locking mechanism when the wheels are slipping (risk of improper use not covered by the guarantee).
- Engage slowly at the time of the first restart.
- Unlock the differential after passing the difficult area.

Use of the four-wheel drive function



Every time the engine is stopped, the vehicle will start automatically in ECO mode. That will happen even if the vehicle has been stopped in 4WD or R-LOCK mode.

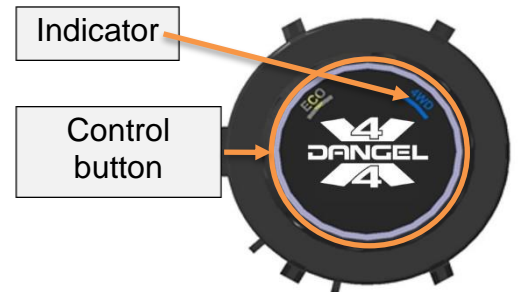


▪ **To activate the four-wheel drive 4WD function**

Give a quarter turn to the right to change from the ECO position to the 4WD/AUTO 4WD position.

On the control button, the activation of 4WD/AUTO 4WD four-wheel drive is shown by the blue indicator.

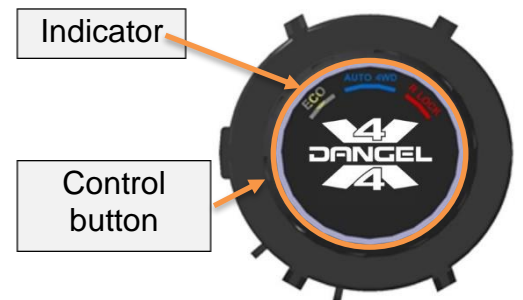
You can change from the ECO position to 4WD/AUTO 4WD while moving **EXCEPT if the front wheels are slipping.**



▪ **To disable the 4WD four-wheel drive function**

Give a quarter turn to the left to change from 4WD/AUTO 4WD to the ECO position.

On the control button, the disabling of the 4WD four-wheel drive is shown by the white indicator.



Note:

- *Since the coupling system is mechanical, the electrical status does not represent the mechanical position of coupling.*

Using rear differential locking (option)

The rear axle with lockable differential increases the all-road capability of your vehicle.

Bumpy or slippery slopes with high gradients and bridge crossing areas can be managed when the rear differential is locked.

We advise you to lock the rear differential before approaching difficult areas.

On a slope, on grounds with varying grip, drive smoothly in order to avoid generating jerks in the transmission. Indeed, in this configuration, depending on the type of the ground, it may happen that all the driving force is handled by the only rear wheel that still has traction.

Do not take U-turns on a slope and always stay in the direction of the slope.

NOTE:

For your safety and to ensure that your vehicle gives you lasting service, do not overuse its passing capabilities: it is not an all-terrain vehicle.

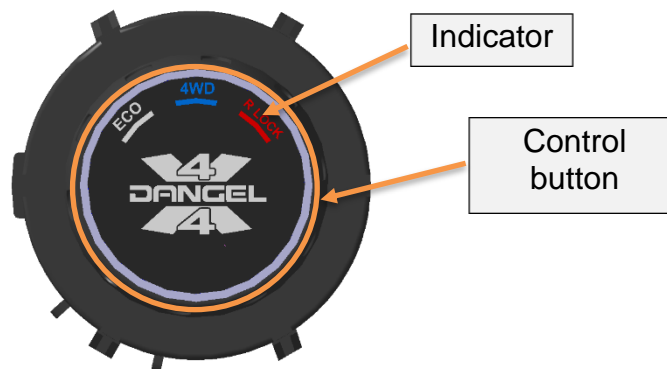
▪ **To lock the rear differential**

To engage the rear differential lock, **the vehicle must be stopped.**

Select the 4WD function, then give a quarter turn to the right. Note that the button will automatically return to the centre.

After rotating the button, the R-LOCK indicator starts blinking (+ intermittent quick sound signal) until the axle is effectively locked and then stays lit to confirm that locking is complete.

A buzzer is heard when the differential is actually locked (intermittent slow sound signal).



For safety, the system prevents locking at over 30 km/h approx.

▪ **To unlock the rear differential**

To disengage the rear differential lock, give a quarter turn to the right or left.

Note:

- *Unlocking is automatic when the speed exceeds 30 km/h approx. or when the ignition is switched off.*
- *While stopping, it is possible that the unlocking is not instantaneous. It is signalled by a blinking LED. Should this happen, just drive straight on for a few metres so that the differential unlocks.*

■ Sound and light signals

- During normal operation:
 - The red indicator stays lit continuously to confirm locking.
 - A buzzer is heard when the differential is actually locked (intermittent slow sound signal).
- In transition mode: (locking requested but mechanically not engaged):
 - The red indicator blinks and the sound signal is intermittent and rapid

IMPORTANT

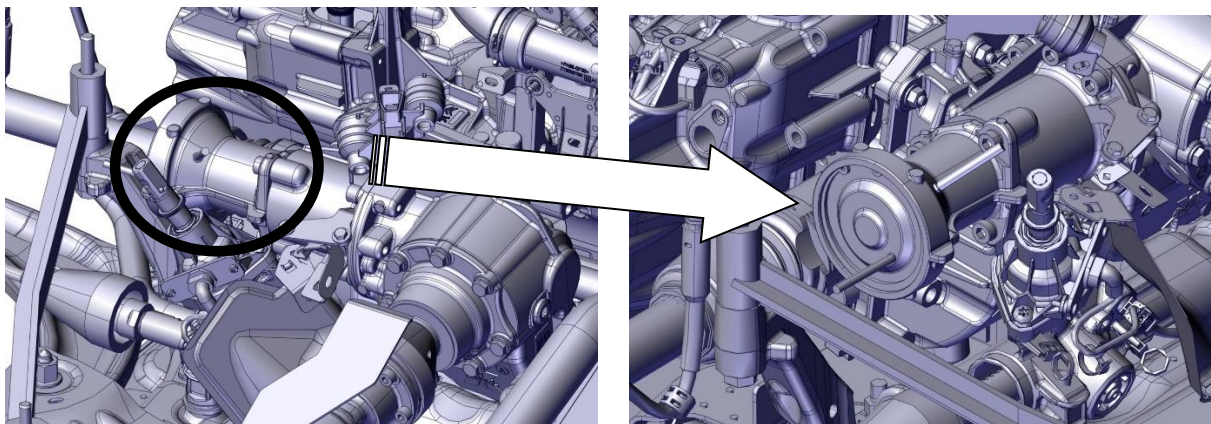
For your own safety and that of the vehicle: the locking system is a mechanical system and so the transition phase may be longer or shorter. If the system remains in transition mode, please contact your certified repairer.

FUSE LOCATION

The DANGEL electropneumatic system is protected by a **5A fuse located at F33** in the passenger compartment fuse box located in the lower part of the dashboard, on the left.

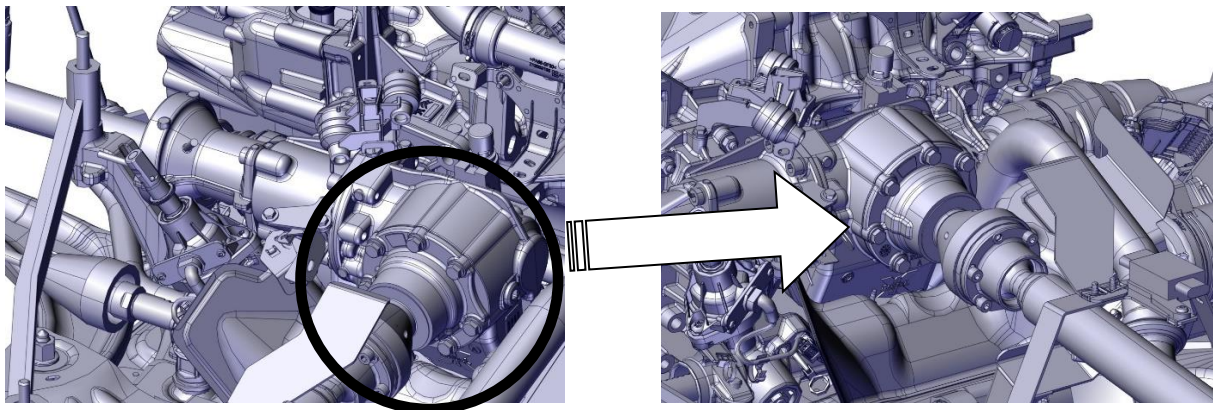
Mechanical components

■ Front coupling 4x2/4x4



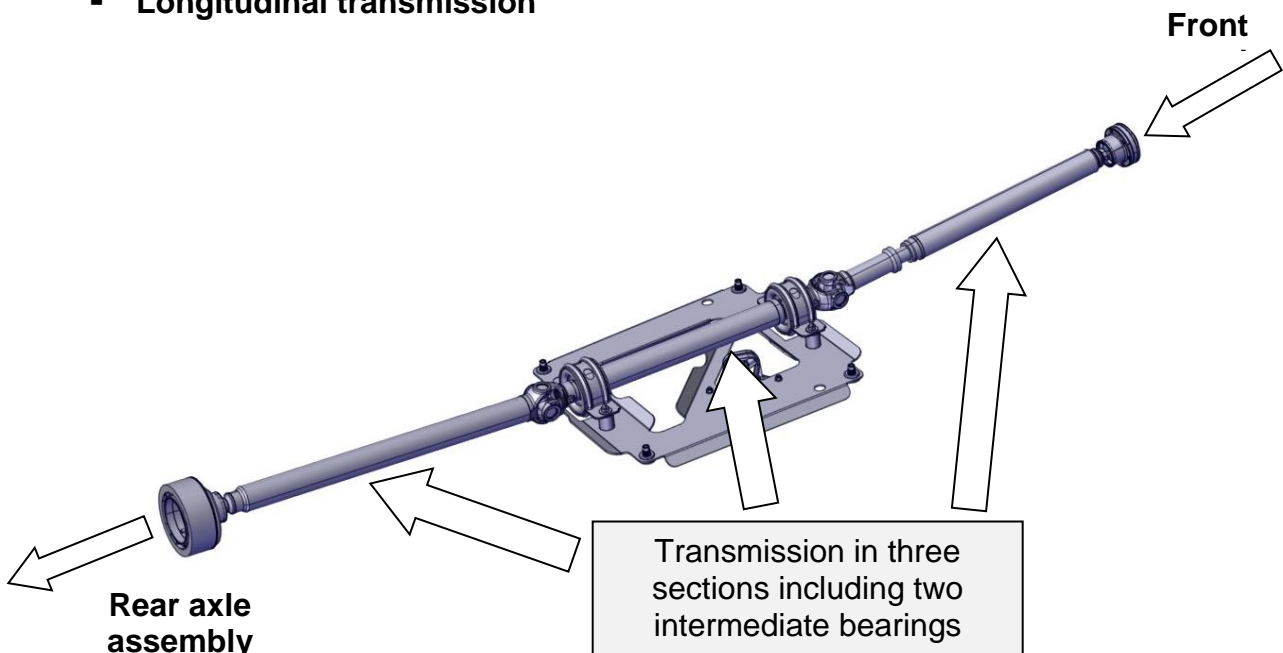
Mechanical assembly that allows switching from two to four-wheel drive and back with the help of the control present on the dashboard.

- **Front transfer case**



Mechanical assembly that transmits the engine torque to the longitudinal transmission through an angle transmission.

- **Longitudinal transmission**

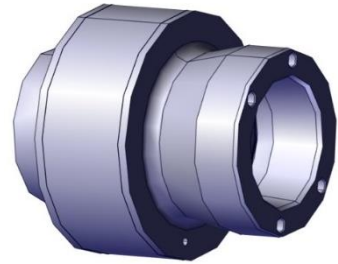


Mechanical element that transmits the engine torque to the rear wheels through a viscous coupling unit.

- **Hydraulic coupler (or viscous coupling unit)**

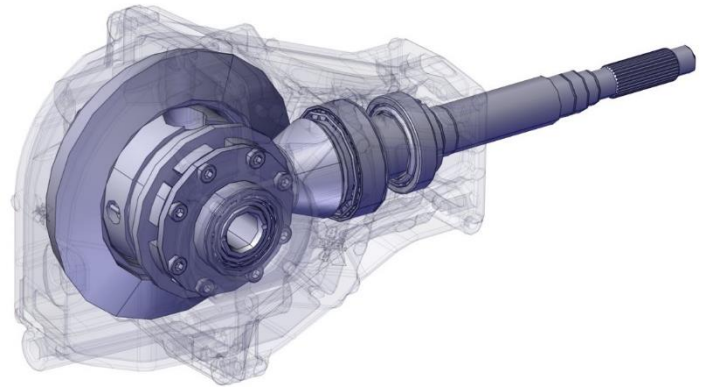
Active in four-wheel mode, it detects the loss of grip of the front wheels and then transmits the engine torque to the rear wheels.

The coupler will adjust the torque percentage as required.

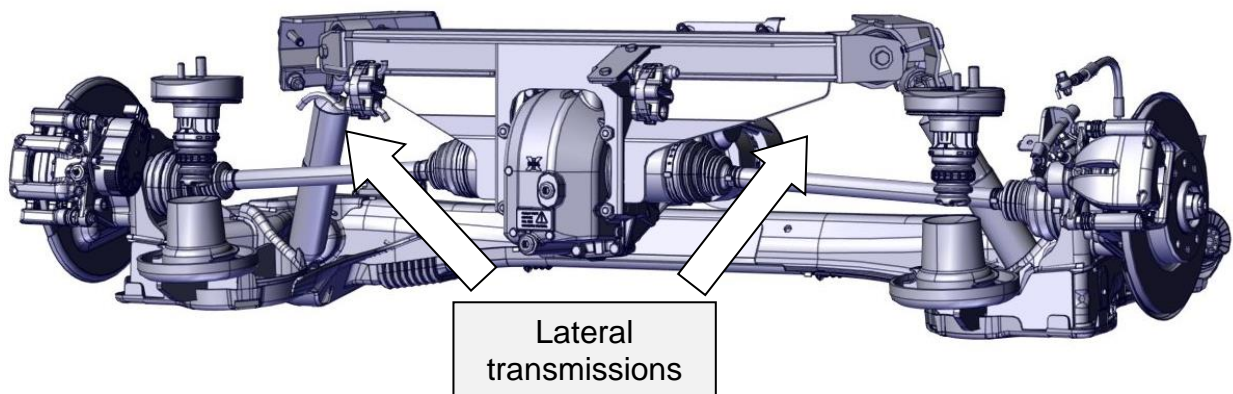


- **Rear axle assembly with differential**

The differential is a mechanical assembly mounted in the rear axle that enables the wheels of an axle to turn at different speeds (absolutely essential in turns to prevent tyre scrubbing); it also multiplies the torque.



- **Lateral transmissions (or universal joints)**



They transmit engine torque from the differential to the wheels.

Automobiles DANGEL guarantee:

The guarantee is applicable from the first day that the vehicle is effectively put into service.

Parts specific to the Automobiles DANGEL equipment and corresponding labour are guaranteed for two years subject to compliance with the usage recommendations and the maintenance schedule.

Periodic maintenance as defined in this maintenance book must be carried out by a professional. We recommend using the services of an approved member of the repair network of the vehicle manufacturer.

The guarantee shall only apply if maintenance invoices can be produced.

Automobiles Dangel reserves the right to ask for substantiation of maintenance. As a result, maintenance invoices must clearly indicate the chassis number, mileage, any special operations carried out and the quality and quantity of oil used.

Automobiles DANGEL equipment may only be used for the purpose and loads for which it has been manufactured.

Damage to Automobiles DANGEL equipment must not be due to deficient maintenance, improper use or incorrect use of the vehicle.

The contractual guarantees from Automobiles DANGEL are in addition to the legal guarantee of the manufacturer in the country in which it applies: the manufacturer's contractual guarantee remains unchanged and applies entirely to the components of the basic vehicle. In addition, the Automobiles DANGEL guarantee shall apply to only those constituent elements of the equipment that have been transformed or modified par Automobiles DANGEL

Transformations or modifications made by a bodywork specialist other than Automobiles DANGEL may not in any way alter the technical characteristics of the vehicle as delivered (according to these instructions) or change its usage as defined.

Automobiles DANGEL reserves the right to void the guarantee of a vehicle that has been transformed or modified by another bodywork specialist if the modifications do not comply with the conditions given above.

MAINTENANCE:

Contact a repairer certified by the manufacturer and inform them that the vehicle is fitted with a DANGEL four-wheel drive system (hand these instructions to them if required) and refer to the detailed recommendations on the following pages.

In case of extreme uses (high loads, all-road driving, motorway use etc.) the mechanical elements of your vehicle come under high strain and need more careful maintenance.



PARTY TO CONTACT



In order to guarantee the quality and reliability of your vehicle, please contact the after-sales service network of your vehicle manufacturer.

SERVICING OPERATIONS:

To be done with each service in addition to the check-list of the basic 4x2 vehicle:

OPERATIONS	COMPONENTS	LUBRICANTS
 Change	-Front transfer case -Rear axle	<u>Oil 80 w 90 API GL5</u> - Yacco Bvx Ls 200 <u>Compatible oils: 80W90 according to standard API GL5 ZF TE-ML05C</u>
 Inspection	-Condition of rear transmission sleeves -Sealing of transfer case and rear axle casings	
	-Sliding or longitudinal transmission -Lubrication with each maintenance operation or once a year (see "compulsory operations" longitudinal transmission)	- Shell Retinax LX2 - FUCHS Renolit - Duraplex GWB - Rhenus NorplexLKP2

Note:

*To maintain the performance of your vehicle, it is **important to use the recommended quality of oil.***

Compulsory operations

IMPORTANT

We recommend **causing all the operations** to be carried out by a **repairer approved** by the manufacturer of your vehicle.

Non compliance with maintenance recommendations **would void the guarantee** from **Automobiles DANGEL**.



Gearbox

- **Standard gearbox:** refer to the manufacturer's recommendations.

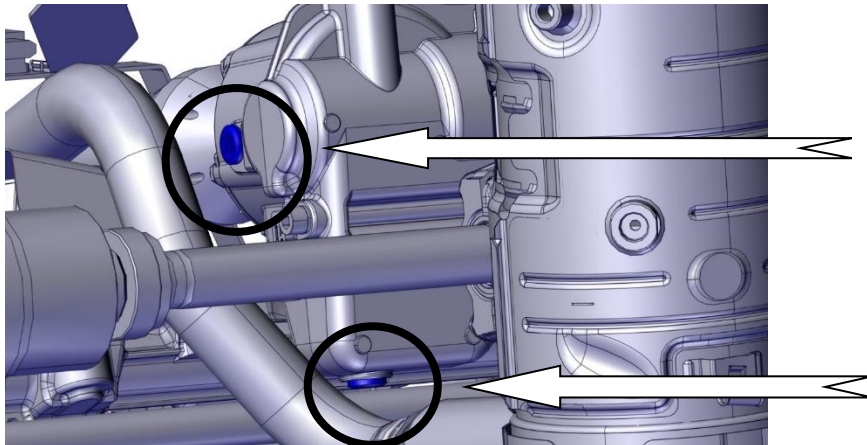


Front transfer case

Capacity: 0.75 L +0.05L/-0.00L

Oil: 80 W 90 API GL5 (YACCO BVX LS 200), equivalent **80W90** according to standard **API GL5 ZF TE-ML05C**.

Oil change: Each time the engine is serviced



Filling
plug

Draining
plug



Longitudinal transmission

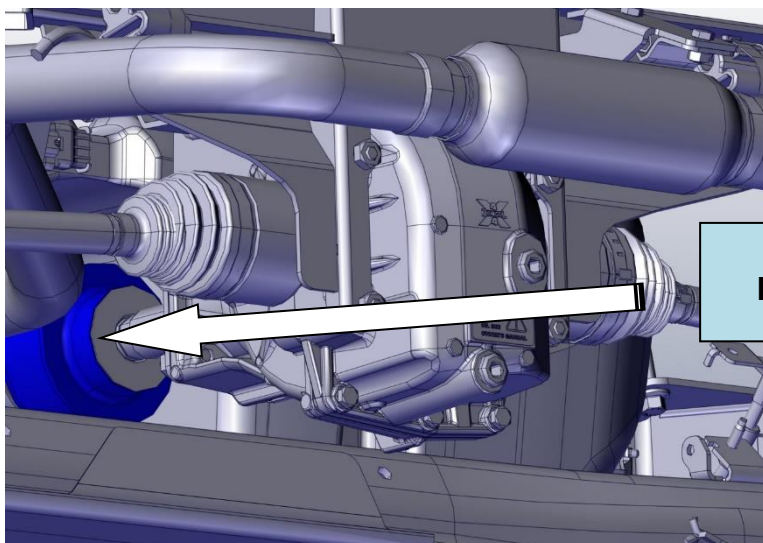


Lubricate the cross pieces* during 4x4 servicing or once a year.

*: lubricators present depending on transmission models.



Hydraulic coupler (or viscous coupling unit)



This component requires no maintenance.

Hydraulic coupler

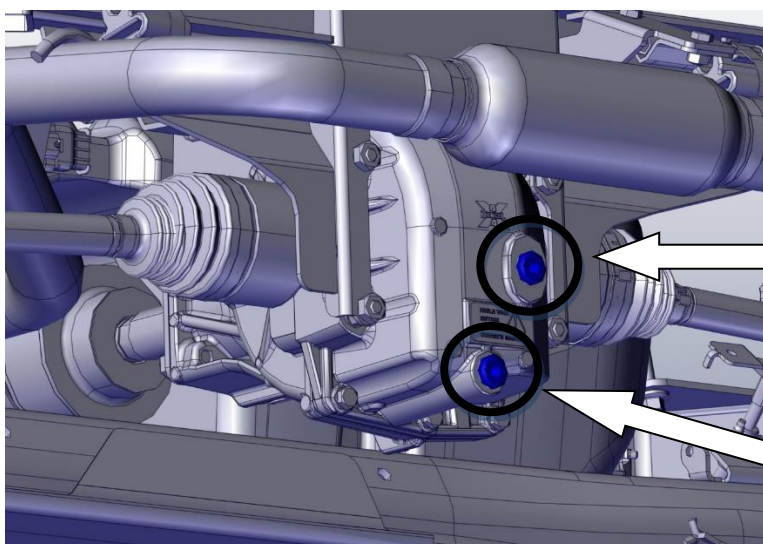


Rear axle assembly

Capacity: 1.2 L +0.05L/-0.00L

Oil: 80 W 90 API GL5 (YACCO BVX LS 200), equivalent **80W90** according to standard **API GL5 ZF TE-ML05C**.

Draining: Each time the engine is serviced



Filling plug

Draining plug

Visual compulsory checking to be done

▪ **In the cabin:**

When the engine is on, check that the control knob 4x2/4x4 works well.
Check the absence of warning light on the dashboard.

▪ **Tyres:**

Check that the 4 tyres are the same brand, same type and have the same wearing between the front and rear axle.

▪ **Under the body:**

Check that there is no accumulation of ground, grass, etc... especially in the protection plates.

▪ **Under the vehicle, on the front part:**

Check the integrity of each drive shaft boot.
Check that there are no leaks from the oiled parts, from the pipes and brake hoses, etc...

▪ **Under the vehicle, on the central part:**

Check the fastening of the longitudinal drive line supports.
Check that there are no leaks from the tanks.
Check the integrity of the vibration absorber.

▪ **Under the vehicle, on the rear part:**

Check the fastening of the rear differential.
Check that there are no leaks from the oiled parts, from the pipes and brake hoses, etc...
Check the integrity of each drive shaft boot.

Our complete check-list available on our web site www.dangel.com -> After-sales.

WARNING

When the vehicle is on a lift with 4 wheels hanging, the tests with « engine on » must be done only in position 4WD / AUTO 4WD.

In the same conditions **NEVER** switch from position ECO to 4WD/AUTO 4WD.

<p>SERVICE _____ KM</p> <p>DATE: ____ / ____ / ____</p> <p>Km :</p> <p>Next service on _____ or _____ km</p>	<p>STAMP OF CERTIFIED REPAIRER</p>
<p>SERVICE _____ KM</p> <p>DATE: ____ / ____ / ____</p> <p>Next service on _____ or _____ km</p>	<p>STAMP OF CERTIFIED REPAIRER</p>
<p>SERVICE _____ KM</p> <p>DATE: ____ / ____ / ____</p> <p>Next service on _____ or _____ km</p>	<p>STAMP OF CERTIFIED REPAIRER</p>

USE THE RECOMMENDED QUALITY OF OIL

<p>SERVICE _____ KM</p> <p>DATE: ____ / ____ / ____</p> <p>Km :</p> <p>Next service on _____ or _____ km</p>	<p>STAMP OF CERTIFIED REPAIRER</p>
<p>SERVICE _____ KM</p> <p>DATE: ____ / ____ / ____</p> <p>Next service on _____ or _____ km</p>	<p>STAMP OF CERTIFIED REPAIRER</p>
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USE THE RECOMMENDED QUALITY OF OIL

NB:

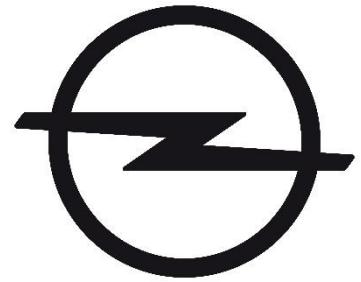
NB:

LIST OF DOCUMENTS AND INFORMATION TO SUPPLY

FOR ANY request relating to repairs under the guarantee

Information Vehicle	<ul style="list-style-type: none"> ✓ Chassis no ✓ Mileage ✓ Registration number ✓ First registration date ✓ Photograph(s) of vehicle (exterior) ✓ Description of use of the vehicle <div style="position: relative; height: 100px;"> <div style="position: absolute; top: 0; right: 0; border: 1px solid black; padding: 5px; background-color: white;"> See vehicle </div> </div> <ul style="list-style-type: none"> ✓ Photograph(s) of vehicle features (interior and exterior)
Customer information	<ul style="list-style-type: none"> ✓ Particulars of repairer (name, telephone, email) ✓ Particulars of user (name, telephone, email) ✓ Particulars of owner (name, telephone, email) ✓ Particulars of fleet manager (name, telephone, email) ✓ Particulars of renter (name, telephone, email)
Information to submit with the report	<ul style="list-style-type: none"> ✓ Description of the malfunctioning by customer ✓ Photographs of problem components ✓ Photographs of the <u>four tyres</u> showing: <ul style="list-style-type: none"> - Make - Model - Size - Tread - Rate of wear <div style="text-align: right;">   </div> <ul style="list-style-type: none"> ✓ Depending on the mileage, copy of 4x2 and 4x4 maintenance invoices in accordance with the maintenance recommendations of the manufacturer and Automobiles DANGEL. <p>NB: The invoices must indicate the following:</p> <ul style="list-style-type: none"> - Name of garage - Date of invoice - Invoice no - Vehicle chassis no - Mileage at the time of work - Details of operations completed - Consumables used - Oils used (quality and quantity)

AUTOMOBILES DANGEL, expert in **four-wheel drive** systems



AUTOMOBILES DANGEL S.A.S

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