



# TERRAIN<sup>®</sup> GX4<sup>s</sup>

ALWAYS IN SHAPE  
SMALL & COMPACT

USER MANUAL  
& WARRANTY  
MANUAL



  
**CORVUS**



CORVUS INNOVA, Limited Company.

CORVUS OFF-ROAD VEHICLES® We reserve all commercial rights and/or the right to exploit the brand. As CORVUS is constantly seeking new ways to improve the specifications, design and quality of its utility vehicles, ongoing modifications may take place. That is why the information in this catalogue may have changed since the time of printing. CORVUS reserves the right to modify models, colours, and/or technical specifications without notice and without incurring any obligation.

Drivers of CORVUS vehicles must comply with all requirements demanded by current legislation in relation to driving licenses and security measures required for the proper use of such vehicles. NEVER perform acrobatics and avoid excessive speeds and abrupt turns. Never drive under the influence of alcohol or drugs.

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USER MANUAL // WARRANTY MANUAL

CRVS-MU-23-ENG-EX4-123-1.0 // CRVS-WM-ENG-EX4-123-1.0

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# USER MANUAL

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# GENERAL INFORMATION

## I. INTRODUCTION

We are delighted to be able to congratulate you on the purchase of your **CORVUS** vehicle and we would like to thank you for the confidence you have placed in us.

You are now the owner of a modern multi-purpose work vehicle that you will enjoy a lot if you care for it and maintain it adequately. Before you start it up for the first time, please read the instructions of use carefully to become familiar with the handling and the characteristics of your vehicle. Only in this way will you be able to understand how to best adapt your vehicle to your requirements and how to avoid accidents. For your safety we recommend that you use only spare parts and accessories authorized by **CORVUS**.

If you use any other products, **CORVUS** declines all liability for any damages that may arise from so doing. We recommend you follow the instructions on the driving-in period and maintenance intervals in order to prolong the life of your vehicle. For maintenance work, you should always consult an official **CORVUS** distributor or dealer.

Driving in the countryside is fascinating and we hope you will enjoy it to the full. Although **CORVUS** vehicles are environmentally friendly, environmental problems and conflict with other people may ensue in the countryside. Handling the vehicle in a responsible way ensures that these problems and conflicts do not arise. Be sure to use the vehicle within the bounds of the law, show that you are environmentally aware and respect the rights of others.

**#ALWAYS IN SHAPE**

## 2. LEGAL NOTICES

In the interest of technical development, **CORVUS INNOVA S.L.** reserves the right to modify the construction, equipment and accessories of its vehicles without notice. Size, weight and power data should be understood with the respective tolerances. Depending on the volume of your **CORVUS'** equipment and accessories, and on the versions that are approved in compliance with the different laws of each State, there may be variations with regard to descriptions and illustrations. The photographs in this manual may not therefore correspond to the model you have purchased. For this reason, no liability can be derived from any error, printing error or omission.

In the event of any discrepancy or question about the content of this manual, we recommend that you contact our After-sales Service.

## 3. CAUTIONS AND WARNINGS

YOU SHOULD READ THIS MANUAL CAREFULLY AND COMPLETELY BEFORE YOU ENJOY USING IT FOR THE FIRST TIME. IT CONTAINS INFORMATION AND SUGGESTIONS THAT WILL FACILITATE THE USE AND HANDLING OF THE VEHICLE. PAY PARTICULAR ATTENTION TO THE FOLLOWING WARNINGS THAT CAN BE FOUND IN THE MANUAL:



A warning concerning a hazard that can cause damage to the vehicle.



A warning concerning a hazard that can lead to personal and/or serious injury and even death.

## 4. PRELIMINARY WARNINGS



### ADVERTENCIA

Take the appropriate precautions while driving, especially during turning maneuvers; driving on slopes or in areas with obstacles may cause a collision or rollover of the vehicle.

Only persons with a driving license should operate this vehicle. It is advisable that the driver and their passenger use helmets and protective glasses while using the vehicle. Do not perform jumps or stunts with the vehicle, be attentive to changes in the terrain you are driving over.

Check the obstacles you wish to overcome, do not attempt to overcome large obstacles, such as fallen trees, rocks, slopes, muddy areas, etc.

In slippery areas, be careful and drive at low speed, be attentive to possible loss of grip, do not tackle steep slopes.

It is necessary to charge the vehicle periodically, at least once a month, especially if the vehicle is new.

Always complete charging cycles to 100% and let the charger stop.

Corvus recommends that the driver of the EX4 has received off-road driving information prior to the first use of this vehicle.

### ELECTROMAGNETIC INTERFERENCE

This vehicle emits a reduced level of electromagnetic energy. People with implantable medical devices, whether active or inactive (such as heart monitoring and control devices), should review the limitations of their device and the electromagnetic standards and regulations applicable to this vehicle.



### DANGER

You should not use the vehicle in a way that is not in line with the criteria and instructions contained in this manual or in a way that may cause damage to persons or things.

These are some examples of unsafe use and misuse:

- Driving with more than two people in the vehicle.
- Not keeping the entire body inside the cabin.
- Transporting people in the cargo box.
- Transporting minors who require child safety seats or booster seats. The vehicle is not designed to secure car safety seats for minors.
- Not complying with the instructions for use and maintenance set forth in this manual.
- Exceeding the cargo and towing limits.
- Driving on unstable or not consolidated ground.
- Circular por terrenos con inclinación superior al 15%.
- Driving in flooded areas (Do not drive through water if it rises above the centre of your wheel rims).
- Driving in forestry operation sites where the risk of falling objects may be present. This vehicle does not have a Falling Object Protective Structure (FOPS).
- Using accessories, parts or equipment that are not authorised by **CORVUS**.
- Failure to charge the vehicle can result in unrecoverable battery failure.
- Using the vehicle for crop spraying applications. This vehicle does not offer protection against harmful substances. Always use personal protective equipment if you decide to use this vehicle for crop spraying or other applications that require the use of hazardous substances.

## 5. VEHICLE IDENTIFICATION (CHASSIS - ENGINE)

Your **CORVUS TERRAIN** has an **identification plate** which details: manufacturer, type approval, VIN, mass of the vehicle, maximum mass per axle (A1-A2) and towable mass (depending on type of braking and towing).

The **vehicle identification number** is also stamped on the rear right-hand side of the chassis:

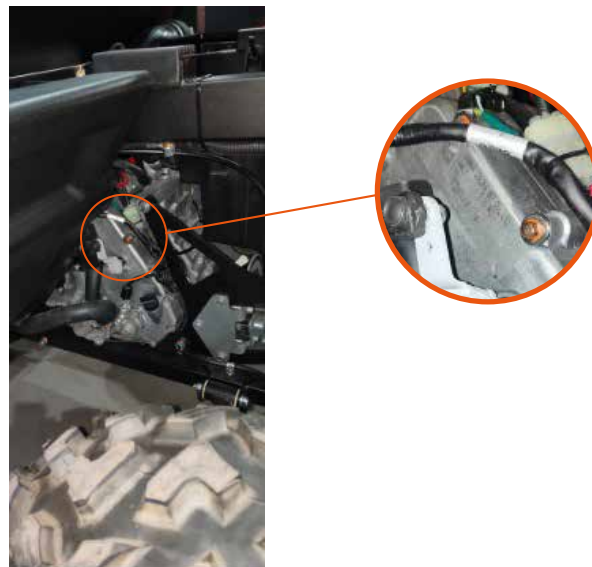


CORVUS INNOVA, S.L.  
T1b  
e13\*167/2013\*00513  
UDXCTGX4SSLxxxxx  
1.200 kg  
A-1: 650 kg  
A-2: 700 kg

	T-1	T-2	T-3
B-1	360 kg	360 kg	360 kg
B-2	600 kg	600 kg	600 kg
B-3	-	-	-
B-4	-	-	-

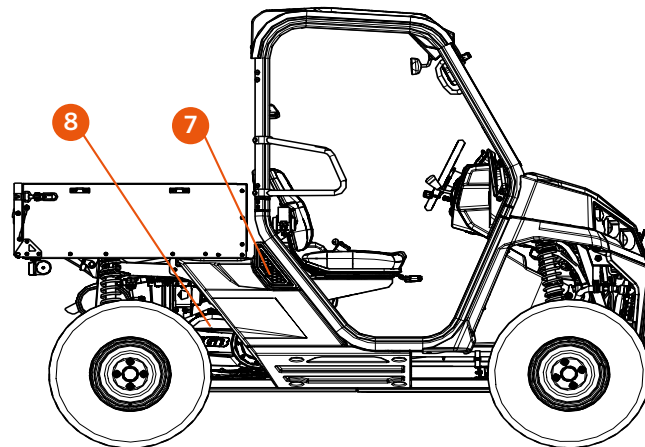
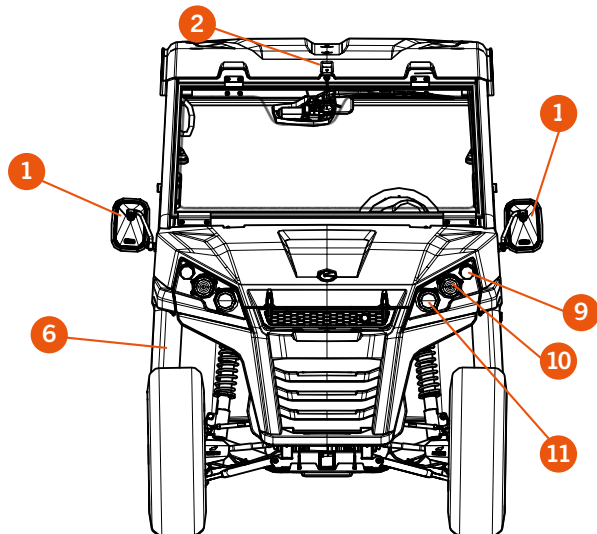
\* Variable según versión y modelo.

An identification plate is affixed to the battery showing details of the manufacturer, the model and the serial number.





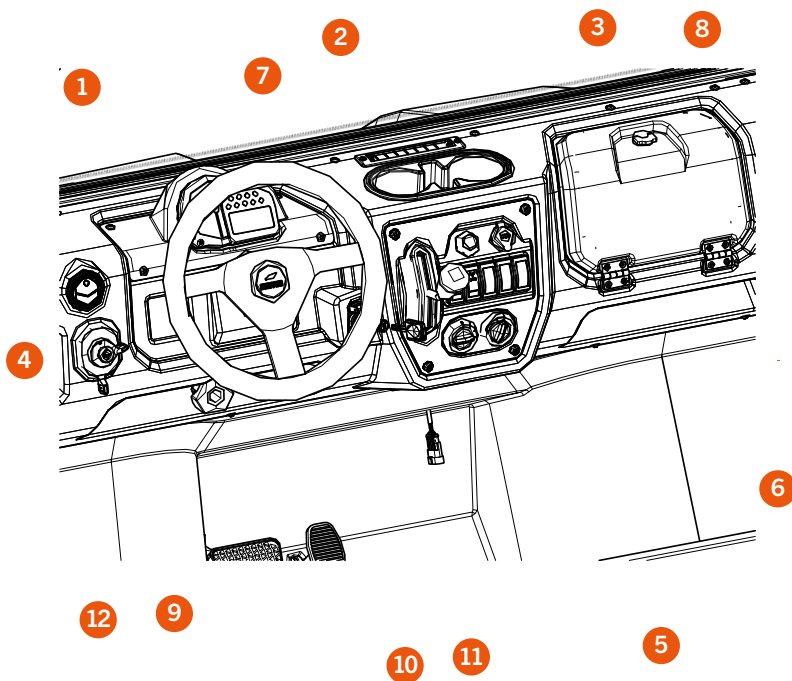
## 6. EXTERIOR COMPONENTS



- 1. Mirrors
- 2. Windshield wipers\*
- 3. Cargo box
- 4. Driver's seat / Driving position
- 5. Front hood
- 6. Fuel tank
- 7. Engine/CVT air intake

- 8. Engine and gearbox
- 9. Turn indicators
- 10. High beams
- 11. Low beams / Dipped headlights

## 7. DRIVING SEAT



1. Multifunction panel
2. Emergency light switch
3. 12V socket
4. Switch for lights, turn signal lamps and horn
5. Key ignition
6. Instrument panel button panel
7. Gear lever
8. Glove compartment
9. Steering wheel
10. Brake pedal
11. Accelerator pedal
12. Steering wheel adjustment

## 8. LOCATION OF COMPONENTS

### IGNITION KEY (1)

The lock is located to the right of the steering wheel and has three positions:

- OFF
- IGNITION
- START



### FUEL CAP KEY (2)

The fuel cap is located in the center of the rear left side of the vehicle.



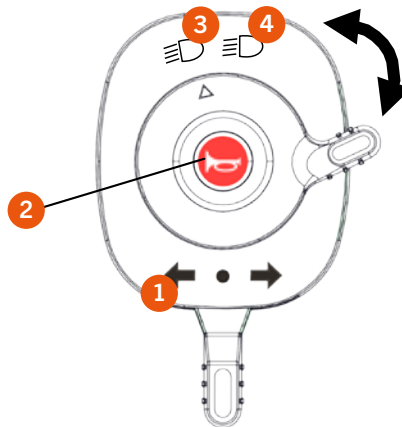
## 8. LOCATION OF COMPONENTS

### LIGHT SWITCH

Located to the left of the steering wheel, with the following functions:

- **Turn signal lamps (1):** Move the lever to the right (right turn signal lamp) and to the left (left turn signal lamp).
- **Activation of the horn (2):** Press the red button in the centre.
- **Low beam (3) or high beam (4):** Move the lever to the required position.

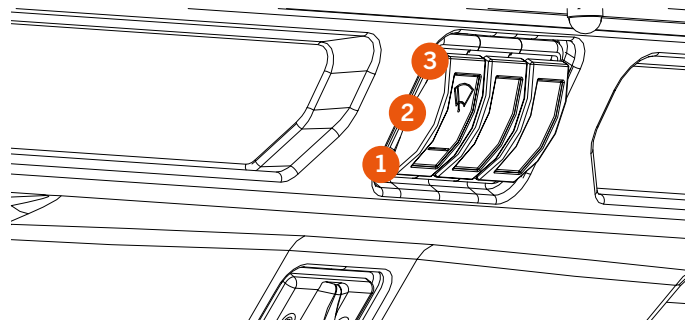
The side, dipped-beam or side lamps will turn on automatically when you switch on the vehicle.



### WINDSHIELD WIPER / WASHER BUTTON\*

Located above the driving seat.

- **WINDSHIELD WIPER**  
OFF Position (1) - Lower position.  
ON Position (2) - Central position.
- **WINDSCREEN WIPER**  
Position (3) - Upper position.



## 8. LOCATION OF COMPONENTS

### INSTRUMENT PANEL

On the vehicle's instrument panel you can find:

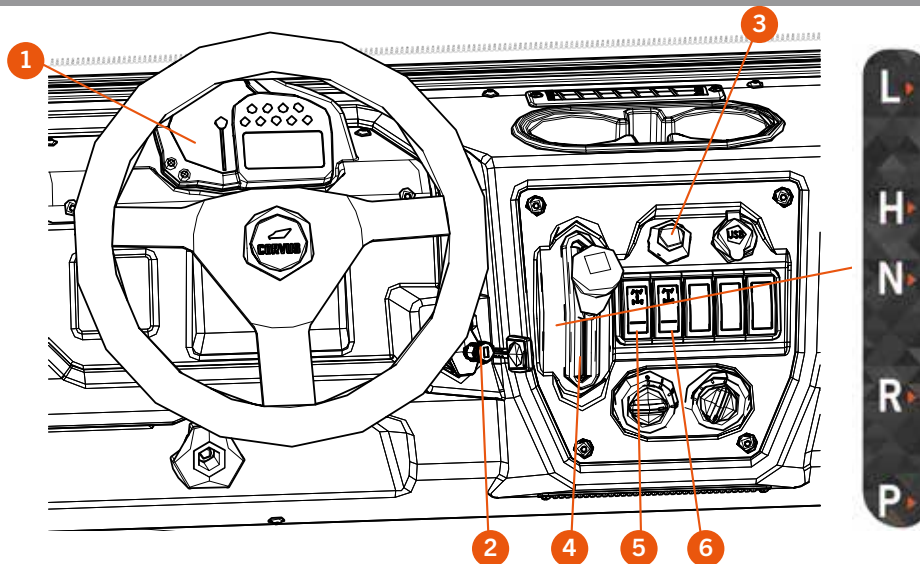
1. Multifunction panel.
2. Key ignition.
3. Emergency light switch.
4. Gearshift lever.
5. 4WD driveline switch.
6. Rear differential lock switch.

### GEARSHIFT LEVER

The gearshift lever (9) is located in the centre of the instrument panel.

It has 5 positions:

- LOW (L)** – Short-range forward drive.  
**HIGH (H)** – Long-range forward drive.  
**NEUTRAL (N)** – Neutral position.  
**REVERSE (R)** – Reverse drive.  
**PARKING (P)** – Parking position.



Do not shift into reverse if the vehicle is not completely stopped, as it may cause accelerated wear or even breakage of the gearbox.

Do not force gear shifting. If a gear does not engage, accelerate smoothly and try again.

Do not use the P position as a substitute for the parking brake. Follow the instructions in its designated section (Page 15).

## 8. LOCATION OF COMPONENTS

### 2WD / 4WD DRIVELINE SWITCH

Located in the centre of the instrument panel.

It has 2 positions:

**2WD:** 2-wheel drive transmission -rear wheel drive- (1).

**4WD:** 4-wheel drive transmission (2).

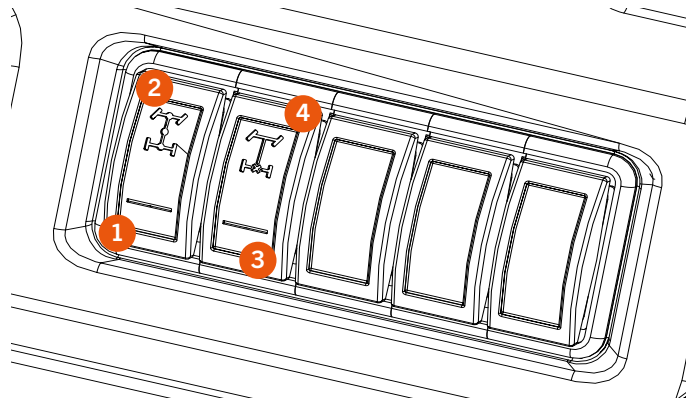
### REAR DIFFERENTIAL LOCK SWITCH

Located in the centre of the instrument panel.

It has 2 positions:

**OFF:** Rear differential unlocked (3).

**LOCK:** Rear differential locked (4).



**! THE 4WD AND THE DIFFERENTIAL LOCK MUST BE DEACTIVATED WHEN NOT REQUIRED.**

**EXCEEDING 20 KM/H WITH THE DIFFERENTIAL OR 4WD ENGAGED MAY CAUSE THE VEHICLE'S GEARBOX OR DIFFERENTIAL TO BREAK.**



To minimise component wear, we recommend that you engage the 4WD and lock when the vehicle is at a complete standstill. **NEVER** engage the 4WD and lock when the steering is turned. Do not use the 4WD and lock on paved roads.

Remember to service the 4WD actuator and gearbox as indicated in the Service Chart (pág. 44/45) to avoid premature deterioration.

## 8. LOCATION OF COMPONENTS

### PARKING BRAKE

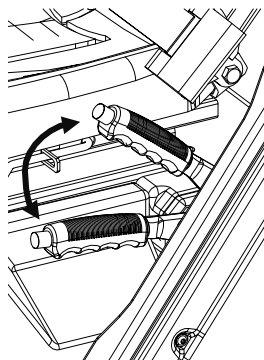
The parking brake is engaged via a lever located on the left-hand side of the driver's seat. To activate it correctly, follow these steps:

1. Stop the vehicle on level ground while keeping the brake pedal pressed throughout the operation.
2. Place the gear lever in the PARKING (P) position.
3. Activate the parking brake.

DO NOT activate the parking brake from outside the vehicle, as the lever may bend and damage bodywork components. NEVER activate the parking brake while the vehicle is in motion, as this could cause an accident.

The audible warning device will activate in the following situations:

- If the vehicle does not detect presence in the driver's seat and the parking brake is not engaged.
- If any gear other than PARKING (P) or NEUTRAL (N) is engaged while the parking brake is activated.
- If the vehicle enters fuel reserve.
- If there is no engine oil pressure.
- If the engine coolant temperature is high.
- If the battery is not charging correctly.



### FUEL TANK CAP

The fuel cap is located on the left-hand side of the vehicle.

To open it, use the specific key (2, pág. 11):

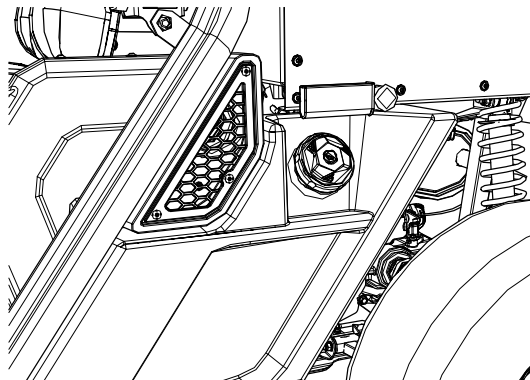
- 1 - Insert the key into the lock.
- 2 - Turn the cap 1/4 of a turn counterclockwise.
- 3 - Remove the cap.



Due to the continuous movement of the vehicle, gases may accumulate in the fuel tank. Open the cap slowly.




Use gasoline. NEVER use another type of fuel.



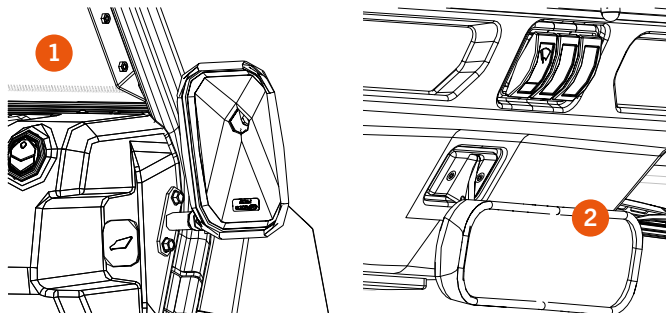
## 8. LOCATION OF COMPONENTS

### REAR-VIEW MIRRORS

The vehicle is equipped with two rear-view mirrors (1), one on each side, and a third one in the centre of the interior\* (2).


 **Adjust the rear-view mirrors before driving to ensure maximum visibility.**

 **Do not adjust the rear-view mirrors while driving**

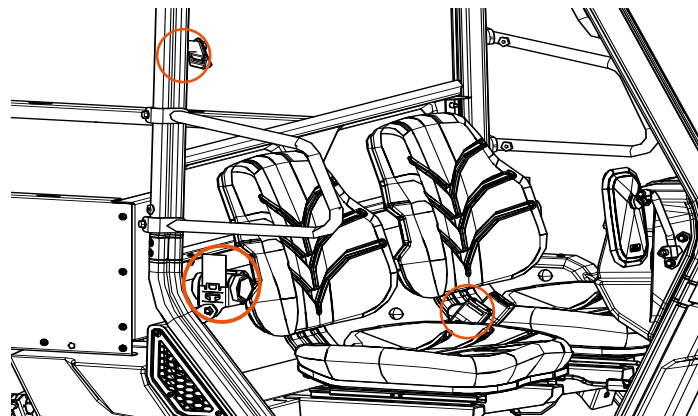


### SAFETY BELTS

The safety belts are two-point belts and have a cam to release them.

 **Adjust the safety belts before driving to ensure maximum safety in the event of an accident.**

 **Always drive with the safety belts correctly fastened. Do not adjust the belts while driving.**






## 8. LOCATION OF COMPONENTS

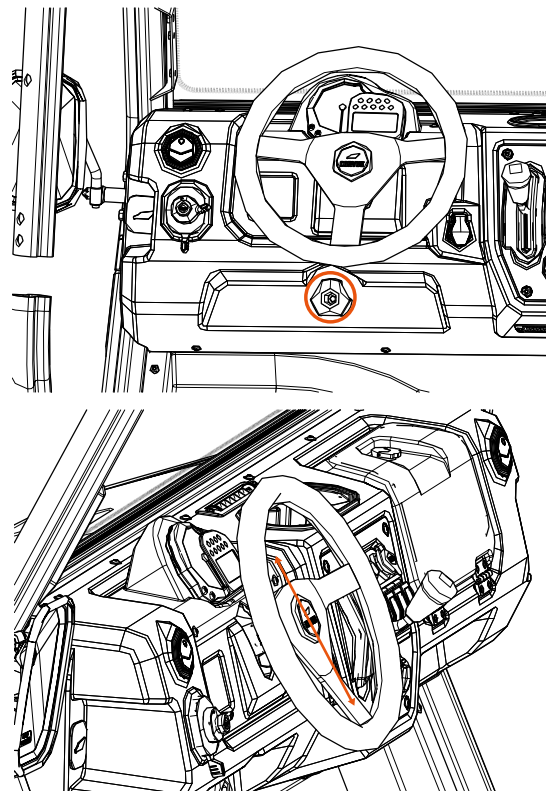
### STEERING WHEEL ADJUSTMENT

There is an adjustment knob under the steering wheel that allows you to move the position of the steering wheel along the vertical shaft for a more comfortable driving position. To do this, follow these steps:

1. Turn the knob counter-clockwise (A)
2. Place the steering wheel in the most comfortable driving position (B)
3. Turn the knob clockwise to re-tighten the steering wheel (C)

 **Do not adjust the steering wheel while driving; always do so before you start driving the vehicle.**

Check the adjustment knob before you move off and tighten it firmly if necessary to prevent unwanted steering wheel movement while driving.



## 8. LOCATION OF COMPONENTS

### SEATS

You can adjust the position of the seats to find your most suitable seating position:

#### Lengthwise Adjustment

Adjust the position by pulling the lever (1) and moving the seat forward or backward.

In the case of the driver seat, adjust the position so that you can press the pedals with your legs slightly bent.



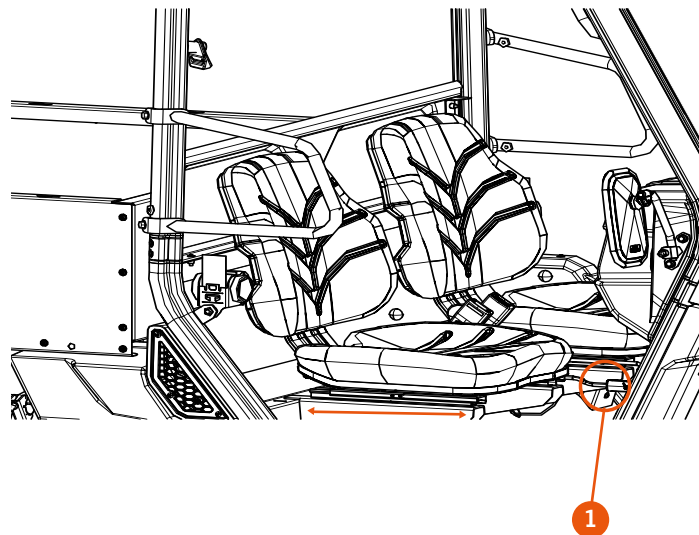
**Adjust the driver seat when the vehicle is stationary.**

Adjust the seats so that your feet rest completely flat on the floor and you can reach the pedals comfortably.

Do not tamper with the seat buzzer wiring, as this could break the electrical system.



**Do not insert your hand into the seat adjustment mechanism, as it could get caught.**




## 8. LOCATION OF COMPONENTS

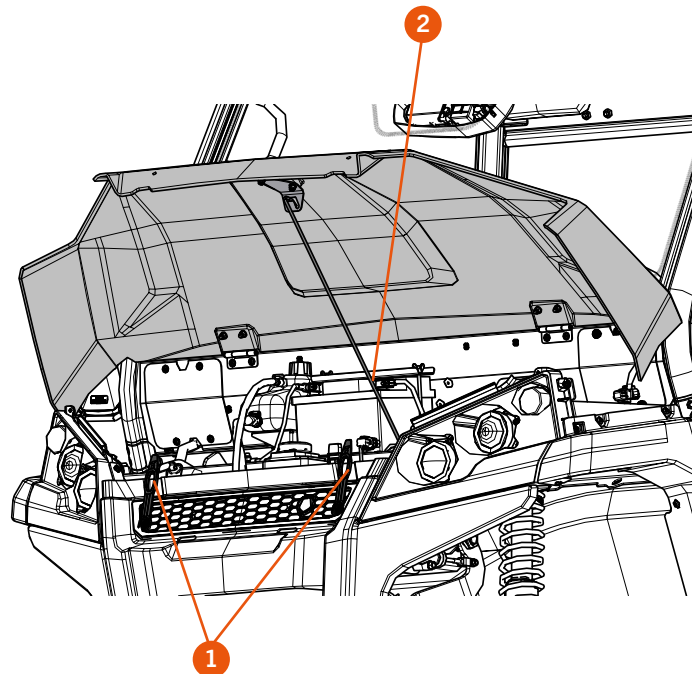
### HOOD

The hood is secured by two rubber straps (1) that hold it in place while the vehicle is in operation. It is important to keep them fully fastened when using the vehicle and to pay special attention to their condition to prevent breakage.

When working inside the hood, it must be secured with the metal rod (2) to prevent it from falling due to its own weight onto the operator.

 **Always fasten the hood completely with the rubber straps before driving.**

Replace the straps if signs of wear or material deterioration are observed.



## 8. LOCATION OF COMPONENTS

### CARGO BOX

The cargo box has a rear door (1) for easier loading and unloading of materials.

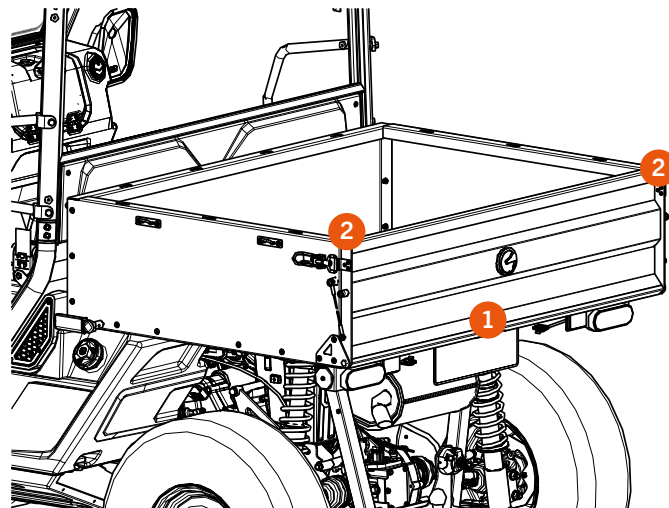
Opening the rear door:

- The door has two side bayonet levers (2).
- Grasp the door by the centre and open the two bayonet levers, one after the other.



**Avoid opening both bayonets at the same time to avoid damaging the rear door or the structure of the cargo box.**

**Sitting on or leaning against the tailgate is prohibited. This element is not designed for this purpose.**



## 8. LOCATION OF COMPONENTS

### Tilting the cargo box

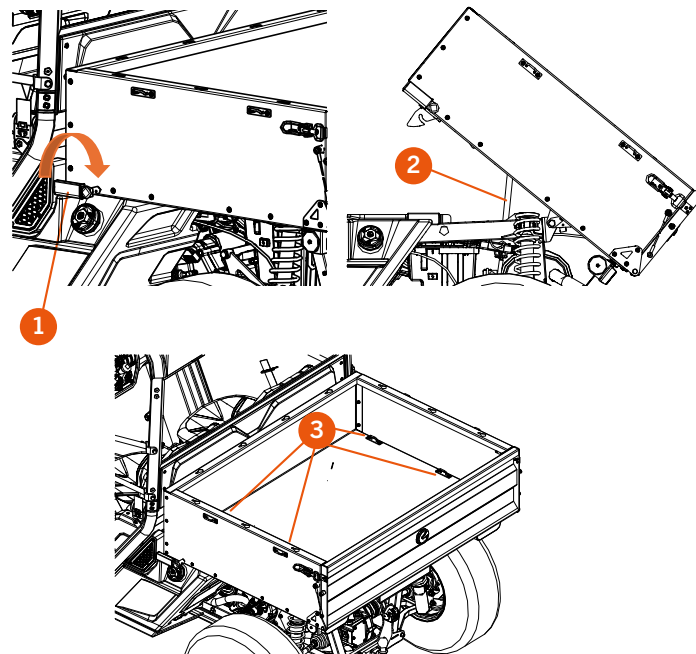
To tilt the cargo box, proceed as follows:

- 1 - Turn the lever (1) clockwise.
- 2 - The box will be unhooked.
- 3 - Tilt the box up. The box has two shock absorbers (2) that make it easy to tilt it and prevent recoil.

- An overload (max. 450 kg) can make the vehicle unstable and may lead to an accident.
- Place the load as far forward as possible.
- Place a mesh or a tarpaulin over light or volatile loads.
- Use straps to secure the load to prevent it moving in the box.
- The box has interior hooks (3) for fastening purposes.
- If driving on uneven or unstable terrain, reduce speed to avoid movements that may make you lose control.
- Make sure that the load does not protrude from the sides of the transport box.
- Remember that the heavier the load, the longer it will take to brake the vehicle.
- Keep any fluid tanks under control and make sure they do not move around inside the box.

**NEVER** carry a passenger in or on the cargo box.

Do not lift the cargo box when it is loaded. Doing so could pose a risk to the operator or even cause the vehicle to overturn. First unload the heavy load through the rear door.



## 8. LOCATION OF COMPONENTS

### Unloading the box

Please follow the procedure below to unload the cargo box safely:

1. Park the vehicle on a straight and level surface and apply the handbrake.
2. Open the rear door and unload all or most of the load. Only lift the cargo box if you are absolutely sure you can lift it. Do not lift it with a load.
3. Once you have unloaded it, lower the cargo box and put it in place.



**NEVER LIFT THE CARGO BOX FULLY LOADED. DOING SO COULD CAUSE THE BOX TO RISE UP UNEXPECTEDLY OR AGGRESSIVELY, WHICH WOULD BREAK THE SPRINGS AND COULD CAUSE SERIOUS INJURY TO THE OPERATOR.**

**ALWAYS UNLOAD THE VEHICLE ON A LEVEL SURFACE TO PREVENT THE VEHICLE FROM OVERTURNING.**

**NEVER DRIVE THE VEHICLE WITH THE CARGO BOX RAISED UP OR THE REAR DOOR OPEN.**

**PLACE A MESH OR A TARPAULIN OVER LIGHT OR VOLATILE LOADS.  
USE STRAPS TO SECURE THE LOAD TO PREVENT IT MOVING IN THE BOX.**

**MAKE SURE THAT THE LOAD DOES NOT PROTRUDE FROM THE SIDES OF THE TRANSPORT BOX.**

**REMEMBER THAT THE HEAVIER THE LOAD, THE LONGER IT WILL TAKE TO BRAKE THE VEHICLE.**

**KEEP ANY FLUID TANKS UNDER CONTROL AND MAKE SURE THEY DO NOT MOVE AROUND INSIDE THE BOX.**

**NEVER DRIVE WITH A PASSENGER IN OR ON THE CARGO BOX, THIS COULD CAUSE SERIOUS INJURY OR EVEN DEATH TO THE PASSENGER. PASSENGERS MAY ONLY RIDE IN THE PASSENGER SEAT.**

**DO NOT PLACE HEAVY LOADS ON THE REAR DOOR, THIS COULD MAKE IT COLLAPSE.**

## 8. LOCATION OF COMPONENTS

### TRAILER

The vehicle is fitted with a towbar at the rear of the vehicle. It is important that you are aware of the load limitations of the towbar; for this purpose, there is a type approval plate with the following information.

#### MODEL: CORVUS TERRAIN GX4S

MAX towing capacity on trailer WITH inertia brake	600 kg
MAX towing capacity on trailer WITHOUT inertia brake	360 kg
MAX. vertical towbar load (1)	240 kg

**!** The vehicle can only tow more than 450 kg if the trailer used is fitted with an inertia brake. Without exceeding the maximum load borne by the vehicle.

Do not pull or tow objects from any point on the vehicle other than the pulling winch (if fitted) or from the tow points provided (one at the rear with a towbar and one at the front).

Never carry passengers on the trailer.

When driving the vehicle, avoid sharp turns or aggressive driving. Accelerate gradually and bear in mind that the braking distance will be affected by the load on the trailer.

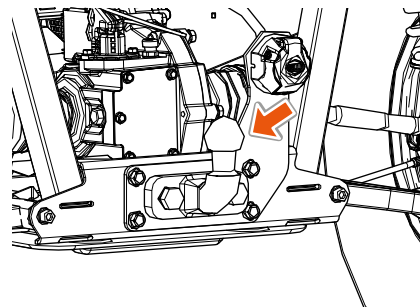
Do not exceed 16 km/h when towing a load and drive the vehicle with the low gear (L) engaged.

Do not drive on steep or dangerous terrain when towing a load. If you have to drive on difficult terrain, reduce your speed considerably and pay attention at all times to elements that pose a potential hazard to your safety.

**!** When parking a vehicle with a trailer it is important to park on a horizontal surface. Do not park on a slope or leave the vehicle parked with a gear engaged, as this will not prevent the vehicle from rolling downhill. Always apply the hand brake. To improve vehicle stability and reduce the effects of towing the load to a minimum, it is advisable to distribute the weight of the load between the box and the trailer, if possible.

Secure the load on the trailer properly and ensure that the area between the trailer and the vehicle is free of anything that might damage the trailer or affect your driving.

On the top of the towbar there is a pineapple-like 7 pin electrical trailer connector with a maximum power rating of 150W. Exceeding this can cause serious damage to the electrical system and should not be exceeded under any circumstances. This maximum power will be even lower if anything is connected to any of the vehicle's auxiliary sockets.



## 8. LOCATION OF COMPONENTS

### INSIDE STORAGE COMPARTMENTS

You will find three storage compartments under the seats:  
You must use the specific key to open them (5, page 11).

- 1 - Insert the key into the lock.
- 2 - Lift the handle.
- 3 - Turn the knob to the left or right.
- 4 - Slowly lower the cover.

To close it, carry out the same steps in reverse.



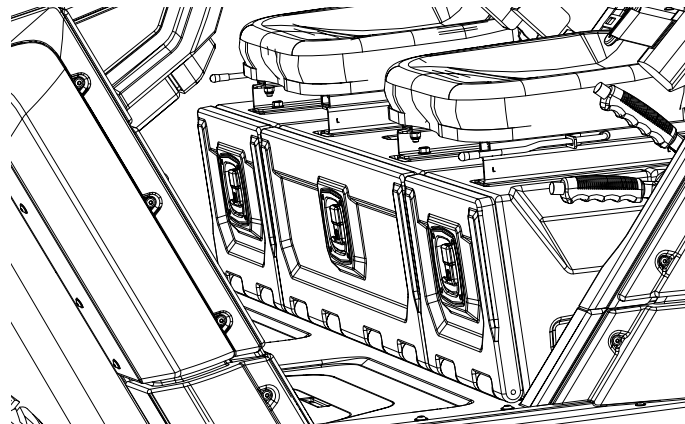
**NEVER** drive the vehicle with the storage compartments open.

**Do not drive the vehicle while the storage compartments are being handled.**

**Do not store flammable material inside the storage compartments.**



**Although the storage compartments are water resistant, they are not completely waterproof: do not store any objects in them that you do not want to be affected by humidity.**





## 9. SPECIFICATIONS

### DIMENSIONS / CAPACITIES.

L x W x H	2650 x 1449 x 1930
Wheelbase	1806 mm
Ground clearance	242 mm
Curb weight	626 kg
Towing displacement	869 kg
Max. total load capacity	440 kg
Fuel capacity	37,5 L

### ENGINE

Engine type	AC induction Gasoline 570 EFI single-cylinder 4-stroke. 561 cc
Cooling	Liquid
Power	42 hp / 31.4 kW / Electronic injection
Torque	53,6 Nm / 5.500 rpm
Maximum speed	EU: T1a: 40km/h T1b: 60 km/h
Transmission mode	CVT automatic F-N-R shift lever. H-L selection button
Transmission	On-demand 2WD or 4WD drive-line with lockable rear differential Electric power-assisted steering EPS

### CHASSIS

Front tire	26x9, R12
Rear tire	26x11, R12
Wheel rims	12" steel
Lights	Both McPherson suspension with 205 mm travel
Turning radius	Hydraulic dual-piston disc brakes
Front and rear suspension	Hydraulic disc brakes
Front brakes	Mecanic
Rear brakes	Underbody protection
Parking brake	2" front adapter and rear ball
Protections	60W high-luminosity halogen headlights
Coupling	2,99 m
No. passengers	2

### CARGO BOX

Dimensions (L x W x H)	900 x 1.191 x 300
Material	Steel
Load capacity	250 kg

### COLOURS



Grey



Orange

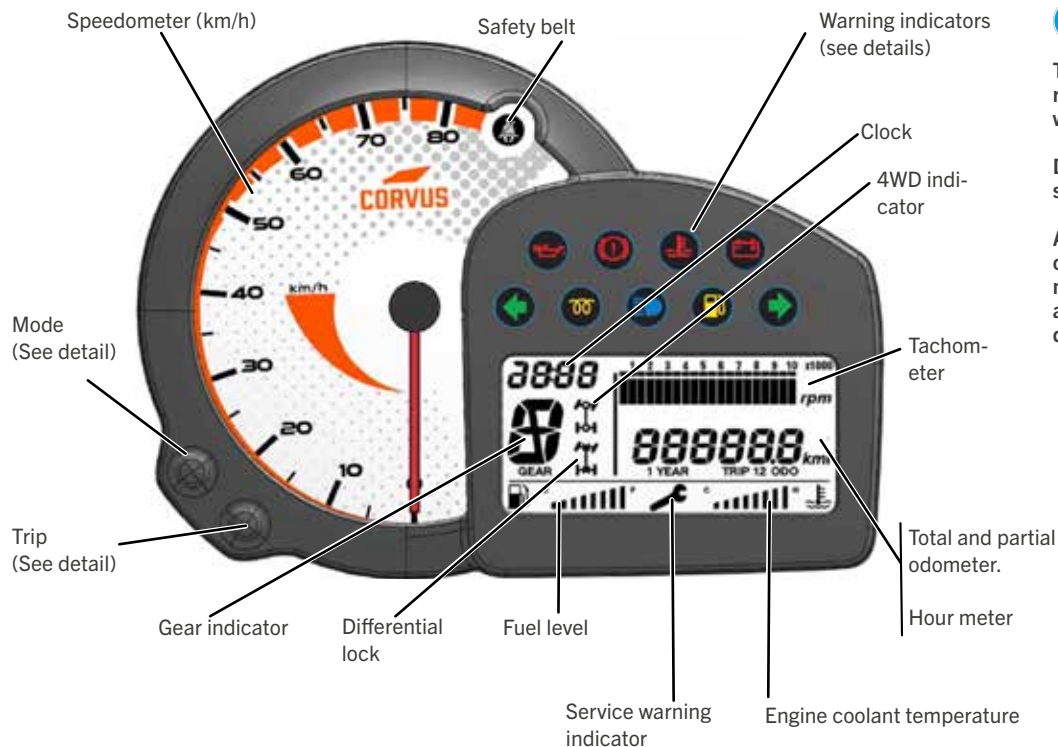


Green

### HOMOLOGATION

EU T1b

## 10. MULTIFUNCTION PANEL



The multifunction device is water resistant but not waterproof. Do not wash it with water under pressure.

Do not leave the device in direct sunlight when the vehicle is not in use.

Avoid contact with fuel, degreasers or other chemical cleaners as they may damage the device. Remember to always pay attention to the road while driving.

## 10. MULTIFUNCTION PANEL

### WARNING INDICATORS



#### Oil pressure

Warning indicator to show the correct oil pressure in the engine. The warning indicator will illuminate for a few seconds when you switch on the vehicle using the ignition key. Once the vehicle has started up, it will turn off. More information in the maintenance section of this manual. If the warning indicator lights up when the engine is running or while driving and the buzzer starts to sound, you must switch off the engine and contact the nearest CORVUS service centre.



#### Parking brake and brake fluid level malfunction

Warning indicator to indicate that:

- the parking brake is activated.
- the driver is not seated in the seat.
- Or there is a malfunction in the braking system or a lack of brake fluid. If that is the case, park the vehicle and contact your nearest CORVUS technical service. The warning indicator will illuminate for a few seconds when you switch on the vehicle using the ignition key. More information in the maintenance section of this manual.



#### Engine coolant temperature

Warning indicator to indicate the correct temperature of the coolant in the radiator. The warning indicator will illuminate for a few seconds when you switch on the vehicle using the ignition key. More information in the maintenance section of this manual. If the warning indicator lights up when the engine is running or while driving and the buzzer starts to sound, you must switch off the engine and contact the nearest CORVUS service centre.



#### Battery level

Warning indicator to indicate the battery is charging correctly. The warning indicator will illuminate for a few seconds when you switch on the vehicle using the ignition key. More information in the maintenance section of this manual. If the warning indicator lights up when the engine is running or while driving and the buzzer starts to sound, you must switch off the engine and contact the nearest CORVUS service centre.



#### Steering indicators

Warning indicator will illuminate when you use the lever or the emergency button to indicate a change of direction.



#### Diesel heaters

Warning indicator to indicate that the combustion chamber is warming up to make it easier to start the engine. Start the engine when the warning indicator has turned off. The warning indicator will illuminate for a few seconds when you switch on the vehicle using the ignition key. If the warning indicator illuminates when the engine has started or when you are driving, you must turn off the engine and contact your nearest CORVUS garage.



#### Long-range lights

Warning indicator to indicate that the long-range lights are switched on to enable greater visibility. Change to low beam when vehicles or people are in front of you.



#### Fuel level

Fuel tank capacity of 37,5 L. of diesel fuel, type B7B10. The warning indicator will illuminate and the buzzer will sound for 5 seconds when there are 7 litres of fuel left.

## 10. MULTIFUNCTION PANEL

### FUNCTIONALITIES

#### Speedometer

- The dial of the speedometer has a linear scale of 0 to 80 km/h.
- The minimum speed displayed will be 3 km/h.

#### Odometer

- When the odometer is shown, it will display the ODO symbol.
- We can access TRIP-1 from the odometer by pressing MODE (<2 s).
- We can access the running hours from the odometer by pressing TRIP (>2 s).
- We can use the odometer to change the time by pressing MODE (>2 s).

#### Hours of operation

- The indicator has 6 digits, including a decimal point indicating the number of 10-minute fractions that have elapsed. It also shows the letter "h" for the hours of operation.
- The counter only increases in value when the engine is started using the ignition key.
- We can access the odometer from the hour meter by pressing TRIP (>2 s).
- We can access TRIP-1 from the odometer by pressing the "MODE" button (<2 s).
- We can change the time from the hour meter by pressing MODE (>2 s).

#### Trip-1 (partial counter 1)

- The indicator has 4 digits (with a decimal point) + the KM symbol.
- When the partial counter reaches 999.9 km, the counter returns to 0.
- Pressing on the TRIP button (for >2 s) resets the counter to 0.
- When the partial counter is shown, the TRIP 1 symbol is shown.
- We can access TRIP-2 from TRIP-1 by pressing MODE (<2 s).

#### Trip-2 (Partial counter 2)

- The indicator has 4 digits (with a decimal point) + the KM symbol.
- When the partial counter reaches 999.9 km, the counter returns to 0.
- Pressing on the TRIP button (for >2 s) resets the counter to 0.
- When the partial counter is shown, the TRIP 2 symbol is shown.
- We can access the ODOMETER from TRIP-2 by pressing MODE (<2 s).

#### Maintenance service

The first running-in service interval will be after 500 km, 1 year or 50 operating hours.

- Maintenance intervals have been established for every 2500 km, each year "1 YEAR" or every 200 hours of operation.

## 10. MULTIFUNCTION PANEL

### MAINTENANCE INTERVAL RESET

The service reset will set the next revision at 1,000 hours without considering the values at the moment the reset is performed. The service reset will be done when we turn on the system and press "MODE" for 10 seconds (the service icon will blink). Then, "TRIP" must be pressed for 5 seconds. There is a timeout of 10 seconds to press the "TRIP" button once the service icon starts blinking.

To perform the reset, the vehicle must not be moving.

The clock is displayed in 24-hour format (HH:MM + clock symbol). To set the time, follow the process below:

- Press the "MODE" button for more than 2 seconds (until the two hour digits start blinking).
- Press the "TRIP" button repeatedly to increase the hour digits.

### 1000 KM

- When 900 km have been traveled, the service symbol will flash on the screen.
- When it reaches 1000 km, the service symbol will remain permanently on.

When the kilometers are displayed and have not yet been exceeded, they will be preceded by a "-" sign.

If the mileage for the next inspection has been exceeded, when turning on the vehicle, the exceeded kilometers will be displayed on the screen, preceded by the letter "E."

### 24 h clock

The clock is displayed in the 24H format (HH:MM + a Clock symbol). To reset the clock, follow the procedure below:

- Press the MODE button for more than 2 seconds (until the two hour digits flash).
- Repeatedly press the TRIP button to increase the digits of the hours.
- Keep pressing the TRIP button to increase the hours.
- Press the MODE button to accept the hours and change the field to the minute units.
- Repeatedly press the TRIP button to increase the minute units.
- Keep pressing the TRIP button to increase the minutes.
- Keep pressing the TRIP button to increase the hours.
- Press the MODE button to accept the hours and change the field to the minute units.
- Repeatedly press the TRIP button to increase the minute units.
- Keep pressing the TRIP button to increase the minutes.
- Press the MODE button to accept the minutes and exit the clock setting function.
- If you do nothing for more than 10 seconds, and if you have not pressed any button, the clock setting function is exited automatically.
- If you have changed the hour or minutes, but you do not save them, the time-out will be 20 seconds.
- You can only change the time if the vehicle is completely stopped, without any speed pulses being received.

## 10. MULTIFUNCTION PANEL

### Engaged Gear

The engaged gear will be indicated on the screen using an alphanumeric digit, displaying:

- **N** to indicate that NEUTRAL is engaged
- **R** to indicate that REVERSE is engaged
- **L** to indicate that LOW GEAR is engaged
- **H** to indicate that HIGH GEAR is engaged
- **P** to indicate that PARKING is engaged

### Tachometer (Revolutions Counter)

The instrument displays engine revolutions using a bar indicator. It has a total of 10 bars, which represent a range from 0 to 5,000 rpm (each bar equals 500 rpm).



# USAGE INFORMATION

## II. DRIVING-IN STAGE

It is **IMPORTANT** to respect the driving-in stage which will ensure your engine's duration and correct functioning in the long term.

The following intervals should be respected:

- During the first 100 km. it is advised that you do not drive at maximum power.
- From 0 to 200 km: Drive at between 50% and 75% engine load (throttle position), alternately, avoiding continuous use of 75% engine load.
- From 200 to 300 km: Drive in the same way but occasionally, albeit not for more than 5-10 seconds, at 100% of engine load.
- From 300 to 400 km: Drive at 75% to 100% of engine load, alternatively, without maintaining peak engine load.
- From 400 km on, increase gradually the demand during between 60 to 80 km, until you reach peak performance.



**Reckless acceleration can cause problems in the engine. Take care that you use the skills and techniques needed to drive the vehicle.**

## II. DAILY INSPECTION BEFORE DRIVING



These controls can actually be performed very quickly, it is a question of habit. the user knows to what use the vehicle has been subjected the last time it was used and where to intensify this control. Respecting this set of controls implies greater security for the user and, undoubtedly, better and more economical maintenance of your vehicle.



Before driving, put the vehicle in horizontal position and perform the following controls:

### Do you have enough fuel?

Check the current fuel level on your multifunction panel /1); try to fill the tank before each use.

### Is the engine oil level correct?

Use the cap/dipstick (2) to check that the level is adequate and, if necessary, add oil.



## 12. DAILY INSPECTION BEFORE DRIVING

### Is the coolant level correct?

You will find the coolant reservoir (1) beneath the hood.

The liquid must not exceed the MAX line; if necessary, add coolant.



**Do not open the cap when the engine is warm, you run the risk of suffering severe burns.**

**Recommended fluid: 50% long time (-35 °C).**

**Do not allow coolant to spill onto your skin or any surface. It may cause burns or corrosion. If coolant does come into contact with your skin, clean it off with plenty of water.**



**If the coolant level is correct and the vehicle continues to heat up, even if it has only been running for a few minutes, this may be the result of bubbles in the circuit and it will need to be purged.**

**If the high temperature persists, contact your nearest CORVUS service centre.**

### Is the brake fluid level correct?

It is located beneath the hood, under the luggage compartment hood if there is one.

The container is translucent (2).

Its level must be between MIN/MAX; if necessary, add brake fluid.



**If the brake fluid level is outside the limits shown on the tank, check the thickness of the brake pads and make sure they have not reached their usage limit.**

**If the thickness is correct, fill up the brake fluid and make sure there are no leaks: if in doubt, go immediately to your CORVUS dealer, they know what to do in each case.**

**This can affect your safety.**



**NEVER drive the vehicle if the brake fluid level is low.**

**Check the level regularly and carry out maintenance as indicated in the Service Chart (pág. 43/44).**

### Do the brake discs look okay?

Any important scratches, cracks, excessive wear, etc. can be easily spotted.



**Check that the discs are at least 3.5 mm thick on the front and rear wheels.**

**Go immediately to your CORVUS dealer if you don't know what to do in each case. This can affect your safety.**

**You should not drive the vehicle.**

### Are the front and rear brake pads in good condition?

Check the thickness of the remaining lining, ensuring that the thickness of the lining is not less than 1.5 mm. If it is, contact your CORVUS dealer to replace them.

Check that the brake pads do not rub against the discs when the hydraulic brake pedal or parking brake lever is deactivated.



**NEVER drive a vehicle with worn brake pads. Brake pads in this condition lose their effectiveness and could pose a serious risk to your safety.**

**Visit a CORVUS service centre to have the brake pads replaced immediately.**

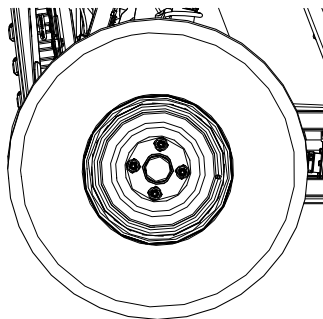
## 12. DAILY INSPECTION BEFORE DRIVING



Clean the area around the wheel spindle and the brakes regularly to prevent the build-up of mud and other foreign matter. Allowing these to build up could lead to loss of brake effectiveness and rapid deterioration of components.

### Do the commands feel okay to the touch?

The brake pedal, accelerator pedal, gearshift lever, differential lock lever, 2WD/4WD driveline level, hand brake lever, light panel, start-up system, horn and indicators. All these commands and control elements have their own characteristic functioning and touch, any change indicates an abnormality or damage. Nobody knows your vehicle better than you do, if you appreciate any changes, go immediately to your CORVUS dealer.



### Are the tires in good condition?

If in doubt, ALWAYS check the pressure level. If the problem persists, or is repeated, there may be a leak: see your CORVUS dealer.

Recommended front/rear pressure:

- 1.0 bar (empty vehicle).
- 1.5 bar (vehicle at full load).

Tire tread wear limit: 3.5 mm deep.

### Is there the risk of any element falling off?

Fenders, side covers, tank, mud flaps, etc. If there is any such risk, you should try to attach it or remove it so that it does not fall off, for the sake of your safety. Visit your CORVUS dealer to have it repaired.

### Are there any leaks?

Visually check for leaks, assessing them on the basis of their location, amount and the product that is leaking (be aware of the danger of fire). Always go as quickly as possible to your official CORVUS distributor or dealer.

## 12. DAILY INSPECTION BEFORE DRIVING

### Do the safety belts work properly?

The safety belt will not function properly if the buckle or the strap of the belt are dirty or damaged. For this reason, always keep the buckle and the strap of the safety belts clean, because otherwise, the tongue of the belt will not click into place correctly.

Regularly check the safety belts to ensure that:

- They are not damaged.
- They are not in contact with sharp edges.
- They are not entangled.

In case of doubt or anomaly, go to your CORVUS dealer.

### Does the lighting and signalling system light up properly?

Regularly check all the bulbs of the lighting and signalling system are working properly. If you detect that any of them have burned out, replace them immediately.



**Regularly review the tightening torque of the bolts of the vehicle, paying special attention to the suspension, bushings, wheel spindles, driveline, steering and brakes.**

**NEVER drive without a bolt or a nut.**

**The lighting and signalling system are important safety measures: you should never drive the vehicle without either of them.**

**Daily checks can prevent breakdowns and accidents.**

### 13. START-UP PROCEDURE

Follow these steps to start up your CORVUS:

1. Place the gearstick (1) in the N position (neutral).
2. Step on the brake pedal without stepping on the accelerator.
3. Turn the key (2) to the pre-heating position and wait a few seconds in that position until the “diesel heaters” signal (3) turns off.
4. Then turn the key (2) to the start-up position until the engine starts turning over.
5. Once you have started up the engine, let go of the ignition key.

#### NOTE:

Make sure that the engine maintains a minimum idling speed of 1,250 rpm.



The gearshift lever must be operated with the vehicle completely stopped and the engine running at the minimum possible level, without accelerating.

Failure to comply with this instruction can cause severe damage to the driveline.

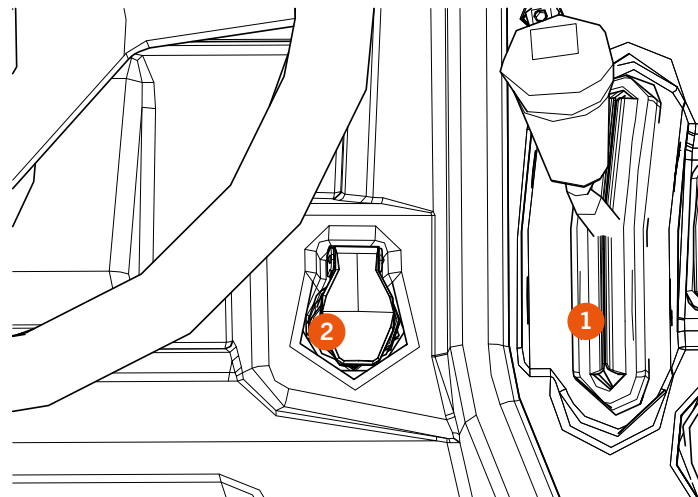
**Do not drive with the hand brake on.**

**Do not operate the hand brake to stop the vehicle. doing so can cause serious damage to the braking system of the vehicle and can be dangerous.**

**When moving into gear, accelerate gently, avoiding abrupt accelerations.**

**Before starting the engine, make sure the gearshift lever is in neutral. DO NOT ACCELERATE.**

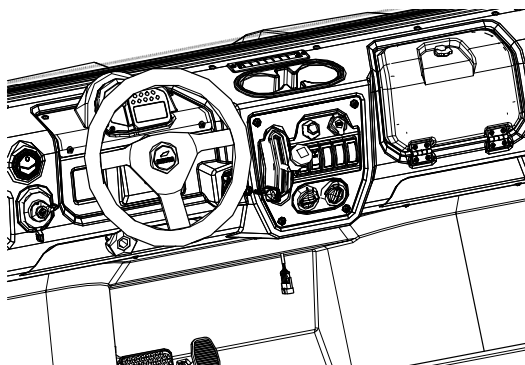
**Failure to comply with this instruction can cause severe damage to the transmission.**



### 13. START-UP PROCEDURE

To **begin driving** with your CORVUS, follow these steps:

1. Step on the brake pedal, without stepping on the accelerator.
2. Put the gear lever in L, H or R.
3. Release the parking brake. Make sure that is completely disconnected.
4. Accelerate gently in the selected gear.
5. To change gear, the vehicle must be completely stopped and the brake must be pressed.



The vehicle will stop if the brake is not pressed when changing gears.

### 14. USE OF THE REAR DIFFERENTIAL LOCK AND UNLOCK\*



To minimise component wear, we recommend that you engage the lock when the vehicle is at a complete standstill.

It must **NEVER** be used on the road or on asphalt. The lock may only be used up to 20 km/h.

Failure to comply with this instruction can cause severe damage to the transmission system and the driveline.

To **LOCK** the rear differential, perform the following steps:

1. Accione el pedal de freno, sin accionar el acelerador.
2. Put the gearshift lever into NEUTRAL (N) - central position.
3. Activate the differential lock switch.
4. Wait for the differential warning to illuminate on the screen.
5. Continue driving.

To **UNLOCK** the rear differential, perform the following steps:

1. Press the brake pedal until the vehicle comes to a complete stop.
2. Put the gearshift lever into NEUTRAL (N) - central position.
3. Deactivate the differential lock switch.
4. Wait for the differential warning to disappear from the screen.
5. Continue driving.

## 15. USE OF THE 2WD / 4WD DRIVELINE \*



To minimise component wear, we recommend that you engage the 4WD when the vehicle is at a complete standstill.

It must **NEVER** be used on the road or on asphalt . The 4WD may only be used up to 20 km/h.

Failure to comply with this instruction can cause severe damage to the transmission system and the driveline.

To **ENABLE 4WD driveline** perform the following steps:

1. Step on the brake pedal, without stepping on the accelerator.
2. Put the gearshift lever into NEUTRAL (N) - central position.
3. Activate the 4x4 lock switch.
4. Wait for the 4x4 warning to illuminate on the screen.
5. Continue driving.

To **DISABLE 4WD driveline** perform the following steps:

1. Press the brake pedal until the vehicle comes to a complete stop.
2. Put the gearshift lever into NEUTRAL (N) - central position.
3. Deactivate the 4x4 lock switch.
4. Wait for the 4x4 warning to disappear from the screen.
5. Continue driving.

## 16. DRIVING TIPS

### GENERAL INFORMATION

- Keep your body completely inside the vehicle at all times while driving.
- Keep both hands on the steering wheel while driving.
- The front passenger seat can be occupied by a passenger while the vehicle is in use.
- Make sure the passenger is properly seated and wearing a safety belt.
- Be aware of potential hazards that may get into the vehicle.
- Abrupt or aggressive driving manoeuvres, even in open areas and on flat surfaces, can result in loss of control and may even cause the vehicle to overturn.

### TURNING PRECAUTIONS

- Turning the steering wheel sharply and at considerable speed could cause the vehicle to overturn.
- Avoid driving with the vehicle tilted sideways and if you must turn, do so gradually.
- Brake before turning and avoid braking sharply while turning.
- If you need to turn when the car is at a standstill or at low speeds, accelerate gradually.

### PAVED SURFACES

- As far as possible, try not to drive on paved surfaces.
- If you do need to drive on a paved road, turn gradually and drive cautiously.
- Do not engage the 4WD or the differential on paved roads.

## 16. DRIVING TIPS

### DRIVING ON SLOPES OR HILLS

- Try not to cross over hills, but if it is unavoidable, drive slowly and go down the hill immediately if you feel the vehicle may overturn.
- Steep slopes could cause the vehicle to overturn.
- Drive slowly, at a steady speed, and if the vehicle stops moving forward, gradually apply the brakes until it comes to a complete stop. Put the vehicle in reverse gear and let it move slowly down the hill or slope, applying the brakes so as not to lose control.
- NEVER accelerate down a hill or slope, step lightly on the brake so as not to lose control.
- If you cannot stop the vehicle from overturning, keep your body completely inside the vehicle, press firmly on the floor and hold on tightly to the steering wheel or passenger hand grip.
- Do not attempt to stop the vehicle from rolling over with any part of your body

### DRIVING THROUGH WATER

- Avoid driving through water if it is not necessary.
- NEVER drive through fast flowing water as this could cause you to lose control, be carried away by the current and even overturn.
- Before entering the water, choose where to cross, avoiding rocks or sudden drops. Always choose gradual descents.
- Take special care and attention when performing these operations
- Do not enter the water if it is deeper than 37 cm because water could enter the front differential and the 4WD actuator.
- Do not drive through water at high speed, even shallow water.

### UNFAMILIAR TERRAIN

- If you are not familiar with the terrain you are driving over, check to see if there are any hidden obstacles or anything that could be hazardous to your work.
- Drive carefully and always use existing roads.
- Drive with extra caution if visibility is poor.

### REVERSE GEAR

- NEVER shift into reverse gear if the vehicle is not completely stationary as this causes rapid deterioration of the gearbox and could damage it.
- If you need to manoeuvre in a confined space, make sure you bring the vehicle to a complete stop before shifting between forward and reverse gears and vice versa.
- NEVER force the reverse gear, if it does not engage, gently press the accelerator and try again.

### DRIVING WITH A LOAD

- When driving with a **loaded box** or a trailer:
  - Reduce speed and drive in LOW (L) gear.
  - Avoid hills or slopes.
  - Load the box correctly and drive with extra care.
  - A load greater than 450 kg could pose a serious risk to the occupants of the vehicle, NEVER exceed this load in the box.
- When **towing** a load:
  - Use a low gear and do not exceed 16 km/h when towing a heavy load.
  - Do not drive aggressively when towing a load.
  - Bear in mind that the braking distance and stability of the vehicle will be affected by the towed weight.
  - Never park on a slope when carrying a load.
  - Avoid driving over unfamiliar or difficult terrain; if you must do so, reduce your speed considerably and be alert to any potentially dangerous elements you may encounter.
  - Spreading the weight between the load box and the trailer, where possible, can help to improve the stability of the vehicle.

## 17. CLEANING THE VEHICLE

To clean your CORVUS, perform the following steps:

1. Plug the exhaust system to prevent water from getting in.
2. Remove the underbody protector
3. Remove mud and dirt with a jet of water at low pressure.
4. Clean any especially dirty areas with a special cleaner or soap product.

**DO NOT USE CORROSIVE PRODUCTS OR ACIDS.**

5. Rinse with a jet of water at low pressure.
6. Let the vehicle drip dry naturally.
7. Release the exhaust pipe, replace the underbody protection and drive around in the vehicle for a short distance until the engine reaches operating temperature, and then apply the brakes. This will let the water evaporate completely in the areas that are difficult to access.



It is important to clean the vehicle frequently, especially the area around the wheel spindle, brake callipers and the inside of the underbody protector.

**NEVER** use high-pressure equipment to clean the vehicle. Avoid aiming the jet of water directly at the multifunction panel, bearings, air cleaner, switches, controls or any other electrical element.

It is very detrimental to briefly start up the engine when the vehicle is stationary, because the engine is not hot enough and the air vapour created during combustion condenses and causes the oxidation of the exhaust valves.

## 18. VEHICLE STORAGE

When you have to store the vehicle for a long period of time you should:

- Clean the vehicle thoroughly and allow it to dry.
- Treat all bright or zinc-coated parts with wax-based corrosion inhibitors, except for the brake discs, which are made of stainless steel and do not need protection.
- Start the engine for about 5 minutes to warm up the engine oil and then drain it (see maintenance).
- Change the filters and add new engine oil.
- Check the condition and the level of the antifreeze.
- Drain the fuel from the tank (if left for a long time, the fuel deteriorates).
- Check the tire pressure and inflate them to their maximum pressure of 2 bars.
- Disconnect the battery.
- Cover the vehicle to protect it from dust and dirt.
- Store the vehicle in a dry place that is not subjected to important temperature changes.



To turn on the vehicle again, after storage:

- Connect the battery (having charged it previously).
- Replace the fuel filter.
- Fill the fuel tank.
- Check the points in the section "Daily inspection before driving".
- Perform a brief test drive.



# MAINTENANCE

## 19. SAFETY AND MAINTENANCE STANDARDS



- Were it to be necessary to keep the engine running to carry out an intervention on the vehicle, make sure that the work environment is well ventilated and, if necessary, use adequate air extractors; never run an engine in closed premises. The exhaust gases that are produced are toxic.

- The battery electrolyte contains sulphuric acid. Protect your eyes, clothing and skin. Sulphuric acid is highly corrosive; in case of contact with eyes or skin, wash with plenty of water and go to a doctor immediately.

- Batteries produce hydrogen, a gas that can be highly explosive. Do not smoke and avoid open flames or sparks near the battery, especially when you are charging it.

- Fuel is extremely flammable and can explode under certain conditions. Do not smoke and do not allow any open flames or sparks in the work area.

- Clean the brake pads in a ventilated place, directing the jet of compressed air in such a way that you do not breathe in the dust produced by the wear and tear of the friction material. Although such dust does not contain asbestos, inhalation is nevertheless harmful.



- Use original CORVUS spare parts and lubricants recommended by CORVUS. Non-original or non-compliant spare parts can damage the vehicle.

- Only use tools designed specifically for this vehicle.

- Always use new gaskets, sealing rings and pins during assembly.

- After disassembly, clean the components with non-flammable solvent or one with a low flammability point. Lubricate all working surfaces before assembly, excluding the conical couplings.

- After assembly, check that all components have been installed correctly and that they work perfectly.

- For disassembly, inspection and assembly operations, only use tools with metric measurements. Metric screws, nuts and bolts are not interchangeable with connecting parts with English measurements. The use of unsuitable tools and connecting parts may damage your vehicle.

## 20. SERVICE CHART

The maintenance requirements set out in this chart are simple and necessary for a good maintenance of your vehicle.

**A: ADJUST / C: CHECK / L: LUBRICATE / R: REPLACE**

ELEMENT		Daily	Interval					
			50 h	200 h	500 h	1000 h	1500 h	2000 h
Cooling	Check and refill coolant	C						
	Check and clean radiator fins			C				
	Check and adjust cooling belt		C (3)	C (4)				
	Drain, clean and refill system with new coolant					R (5)		
Cylinder Head	Adjust intake/exhaust valve settings					A		
	Secure intake/exhaust valves (if necessary)							A
Electrical equip	Check indicators	C						
	Check battery		C					
Engine oil	Check engine oil level	C						
	Replace engine oil		R (3)	R (4)				
	Replace engine oil filter		R (3)	R (4)				
Emission control	Inspect, clean and check fuel injectors (if necessary)						A	
	Inspect the crankcase breather system						A	
Fuel	Check and fill the fuel tank	C						
	Drain the fuel tank			C				
	Drain fuel filter water separator		C					
	Check fuel filter water separator	C						
	Clean fuel filter water separator (2)				C			
	Replace fuel filter				R			
Sleeves	Replace fuel system and cooling sleeves							R (6)
Intake and exhaust	Clean or replace air filter element (1) (2)			C	R			

(1) Perform more often if the vehicle is used intensively, in areas with a lot of dust, sand, snow, wet or muddy conditions. (2): Replace if necessary. (3): The first time. (4): 2nd time and from then on. (5): Or 1 year, whichever comes first. (6): Or 2 years, whichever comes first.

## 20. SERVICE CHART

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ELEMENT		Daily	Interval					
			50 h	200 h	500 h	1000 h	1500 h	2000 h
Engine (complete)	General visual engine check	C						
CVT	CVT transmission belt (1) (2)		C (3)	C (4)				
	Sliding elements (1) (2)				C			
	CVT air inlet and outlet			C				
	Check gearshift and front/rear differential oil level			C				
Transmission, differentials and transmissions	Replace gearbox and front differential / 4WD actuator oil		R (3)	R (4)				
	Check transmission joint boots	C						
	Cardan gaskets	L						
Wheels and shock absorbers	Wheel bearings		C					
	Nuts and studs of the wheel bolts		C					
	Suspension ball joints and mounting points		C					
	Tire pressure and wear	C						
General check	Absence of leaks and state of seals (1)	C						R (6)
	Check brake fluid level	C						
	Replace brake fluid							R (6)
	Lubricate the wheel spindles, cardan gaskets and ball joints		L					
	Check and clean underbody protection.	C						
	Check condition of discs and pads.	C						

(1) Perform more often if the vehicle is used intensively, in areas with a lot of dust, sand, snow, wet or muddy conditions. (2): Replace if necessary. (3): The first time. (4): 2nd time and from then on. (5): Or 1 year, whichever comes first. (6): Or 2 years, whichever comes first.

## 21. RAISING THE VEHICLE

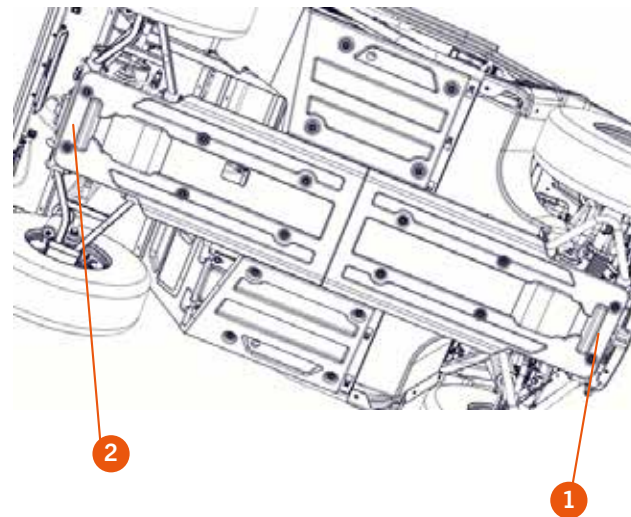
The vehicle is equipped with an area at the front (1) and another at the rear (2) to facilitate its elevation.

**!** Before raising the vehicle, make sure the brake is fully on and that the surface is flat and completely horizontal.

**⚠** Do not perform any operation or service while the vehicle is being lifted.

Do not touch the vehicle or get into it until it is fully raised and secured, as this could destabilise the vehicle and cause it to overturn.

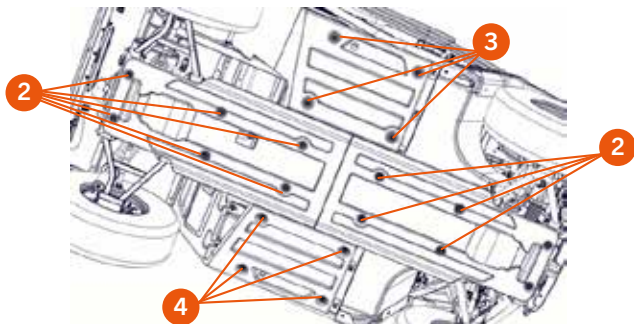
1. Place the base of the jack in the area indicated in the vehicle.
2. Raise the vehicle slowly, checking that it is stable.



## 22. UNDERBODY PROTECTOR

### Disassembly:

1. Remove the screws (1) from the front underbody protection.
2. Detach the protector.
3. Remove the screws (2) from the rear underbody protection.
4. Detach the protector.
5. Remove the screws (4) from the left underbody protection.
6. Detach the protector.



**!** The underbody protector must be kept clean, both internally and externally. In order to be able to detect fluid leaks from the vehicle, to avoid rust due to trapped water, etc.

**!** Do not drive without the underbody protector, as this could jeopardise the integrity of important components such as the transmission.

## 23. WHEELS

### Disassembly:

1. Place the vehicle in a horizontal position.
2. Engage the parking brake.
3. Raise the area of the vehicle (front or rear) where the wheel to be removed is located (see page).
4. Remove the four screws (5) securing the rim.
5. Extract the wheel.

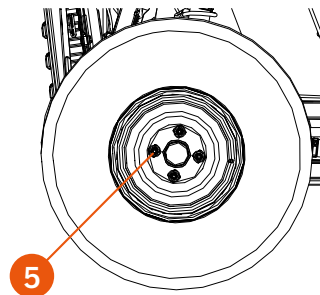
Perform the previous process in reverse for assembly.



**NEVER** drive without one of the wheel bolts, as this poses a great risk to your safety.



**TECHNICAL INFORMATION.** Wheel nut tightening torque: 70 Nm.



## 24. AIR CLEANER (CLEANING THE AIR CLEANER)

When cleaning the air cleaner, take care to make sure it does not become obstructed and that no dirt gets into the engine, especially when using the vehicle in dusty areas.

Without fail, inspect the air cleaner before and after each use, as indicated in the Service Chart (see page 43/44).

### Proceso:

1. Levantar la caja de carga.
2. Aflojar los 4 ganchos (1) de la taa de la caja del filtro del aire y luego retirarla.
3. Aflojar la tira de sujeción (2) y el tornillo del filtro de aire (3) y retirarlo.
4. Si el filtro está sucio, húmedo o deteriorado, será necesario reemplazarlo y pasar al punto 6, si no es el caso, limpiar el filtro con un disolvente no inflamable o de alto punto de inflamación y, a continuación, exprimirlo para que se seque.
5. Bañar el filtro de aire en el aceite específico para ello y luego explimirlo.
6. Limpiar el interior de la caja del filtro con un trapo húmedo.
7. Instalar el filtro en su ubicación.
8. Instalar la tapa de la caja del filtro de aire.

### Recommendation:



**Nunca usar gasolina o disolvente ácido para limpiar el filtro del aire.**



**These operations must be carried out with the appropriate precaution, using a mask and goggles.**

**A clogged air cleaner allows dirt into the engine, causing excessive wear and damaging it.**

**A clogged or damaged air cleaner can cause severe engine damage.**



**Regulations oblige garages to collect and store, without mixing, hazardous or toxic waste, contaminated waste and inert non-hazardous waste. Such waste may not be dumped and must rather be processed by accredited managers.**

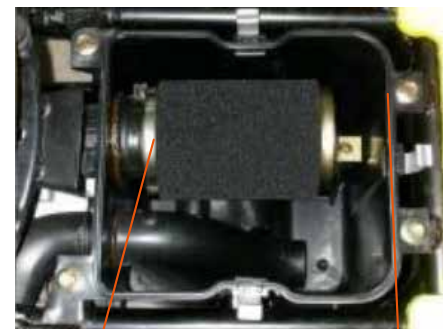


### INFORMACIÓN TÉCNICA

Air cleaner cartridge: 42 y 71 PSI (0,29 – 0,49 MPa)



1



3

2

## 25. ENGINE OIL (LEVEL CHECK)

The smooth operation and durability of the transmission and the engine essentially depend on the oil being kept at the optimum level and being changed periodically, as indicated in the Service Chart (pág 45/46).

### Procedure:

1. Put the vehicle in a horizontal position.
2. Run the engine so that once the oil is warm it can make any sediment rise up. Then turn it off after a few minutes.
3. Check the oil level using the cap/dipstick (1).
  - Remove the cap/dipstick (1) and clean the dipstick with a clean cloth.
  - Reinsert it so it gets coated with oil.
  - Remove the cap/dipstick (1) again and check the oil level on the dipstick (2).
4. The oil level should be between the maximum and minimum marks (2) of the cap/dipstick.
5. If the oil level is too high:
  - Place a container under the engine to collect the used oil and avoid any spillage.
  - Remove the excess using the drain cap/screw (4).
  - Tighten the cap/screw (4) replacing its washer.
6. If the oil level is too low:
  - Fill the necessary amount of oil.
7. Run the engine for a few minutes.
8. Stop the engine and after about 5 minutes, check the oil level again.

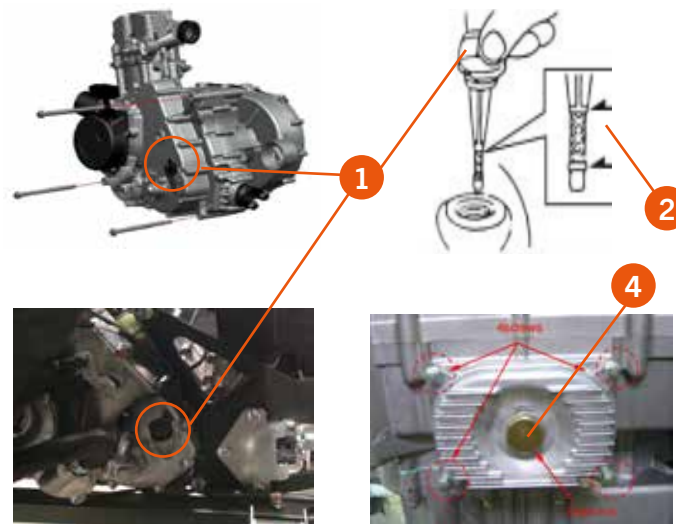


**When filling the tank by adding new oil, you must use the same type of oil already in the engine.**

Perform several checks during refilling, avoiding exceeding the maximum level.



**TECHNICAL INFORMATION:** Recommended oil: 10W40. Capacity: 3,0L. Tighten the drain plug/screw to 22.56Nm





## 25. ENGINE OIL (OIL AND FILTER CHANGE)

You should keep the oil at the optimum level and change it periodically, as indicated in the Service Chart (see page 43/44).

### Procedure:

1. Put the vehicle in a horizontal position.
2. Run the engine so that once the oil is warm, it lifts any sediment, then turn it off after a few minutes.
3. Raise the vehicle.
4. Remove the rear and left underbody protection.
5. Remove the cap/dipstick level (1).
6. Place a container under the engine to collect the used oil and prevent spills.
7. Remove the drain cap/screw (2) and wait until all the content has emptied out.
8. Remove the oil strainer cover (3), clean the strainer (4), and check if the O-ring (5) can be reused. Reinstall the strainer cover.
9. Remove the filter (6) and discard it.
10. Install the new filter, lubricating the O-ring seal.
10. Tighten the drain cap/screw (2), replacing its washer.
11. Fill with new oil.
12. Asegurar el apriete del tapón/varilla nivel (1).
13. Ensure the tightness of the cap/dipstick level (1).
14. Run the engine for a few minutes, then stop it. After about 5 minutes, check the oil level again, following the oil level inspection instructions.



**TECHNICAL INFORMATION:** Recommended oil: 10W40. Capacidad: 3,0L.

Tightening torque of the drain cap/screw: 22.56 Nm.

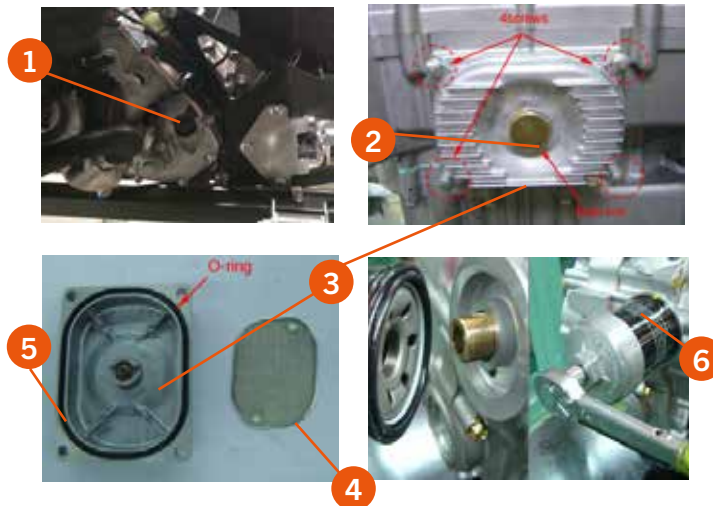
Tightening torque of the oil filter: 12 Nm.

Tightening torque of the strainer cover screws: 10-12 Nm.



For the transmission and engine to function properly, keep the oil at the optimum level and change it periodically, as indicated in the service chart (see page 43/44).

Insufficient, degraded or contaminated oil can accelerate the wear and tear of a vehicle and cause serious engine damage. Regulations oblige garages to collect and store, without mixing, hazardous or toxic waste, contaminated waste and inert non-hazardous waste. Such waste may not be dumped and must rather be processed by accredited managers.



## 25. ENGINE OIL (OIL AND FILTER CHANGE)

### VALVE ADJUSTMENT

During the maintenance process, it will be necessary to check the valves on several occasions. To do this, follow the process outlined below:

1. Remove the cylinder head cover.
2. Turn the camshaft bolt in the C.W. direction (clockwise) and allow the "T" mark on the camshaft sprocket to align with the cylinder head mark so that the piston is positioned at TDC (top dead center) on the compression stroke. Important: Do not turn the bolt in the C.C.W. direction (counterclockwise) to prevent loosening of the camshaft bolt.
3. Check and adjust the valve clearance using a feeler gauge. Standard value:

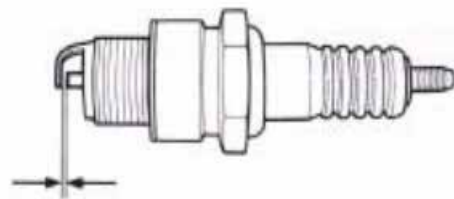
IN  $0,10 \pm 0,02$  mm  
EX  $0,15 \pm 0,02$  mm

4. Loosen the locking nut and turn the adjustment nut to set the clearance.
5. Recheck the valve clearance after tightening the locking nut.



### SPARK PLUG

1. Remove the spark plug cap.
2. Clean the dirt around the spark plug hole.
3. Remove the spark plug.
4. Measure the spark plug gap. Spark plug gap: 0.7 mm



5. Carefully bend the ground electrode of the spark plug to adjust the gap if necessary.
6. Hold the spark plug washer and install the spark plug by screwing it in
7. Tighten the plug by turning it an additional 1/2 turn after installation.

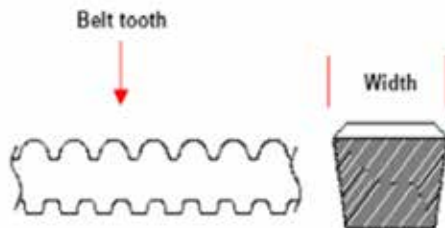
**Technical Info: Recommended spark plug: NGK DCPR8E.**

**Tightening torque: 10 ~ 12 Nm.**

## 25. ENGINE OIL (OIL AND FILTER CHANGE)

### CVT BELT

1. Loosen the 2 clamps on the clutch cover and then remove the vapor hose from the clutch cover.
2. Remove the 14 screws from the clutch cover.
3. Check if the belt is cracked or worn. Width limit: 26.8 mm or more.



4. Replace the belt if necessary or according to the periodic maintenance schedule.

## 26. FRONT DIFFERENTIAL OIL (CHECK AND CHANGE)

### CHECK:

To check the front differential oil level, you have to drain the oil into a calibrated container and measure the amount that has been extracted. The correct volume is 0.5 L.

### CHANGE:

The oil must be changed periodically, to ensure the life of the differential, as indicated in the Service Chart (see page. 43/44).

1. Park the vehicle in a totally horizontal position.
2. Remove the front underbody protection before starting the operation (page. 46) and the inside of the hood if there is one.
3. Place a container under the differential to collect the used oil and avoid any spillage.
5. Remove the filler plug/screw (1), to facilitate better drainage of the oil.
6. Remove the drain cap/screw (2) and wait until all the content has emptied out.
7. Screw on the drain plug/screw (2) and tighten the drain plug, replacing the washer, securing it at 24 Nm.
8. Fill the front differential with the new oil.
9. Screw on and make sure the corresponding filler plug/screw (1) is tight, replacing its washer, securing it at 24 Nm.
10. Check that there are no leaks and that the seals are in good condition.



### TECHNICAL INFORMATION:

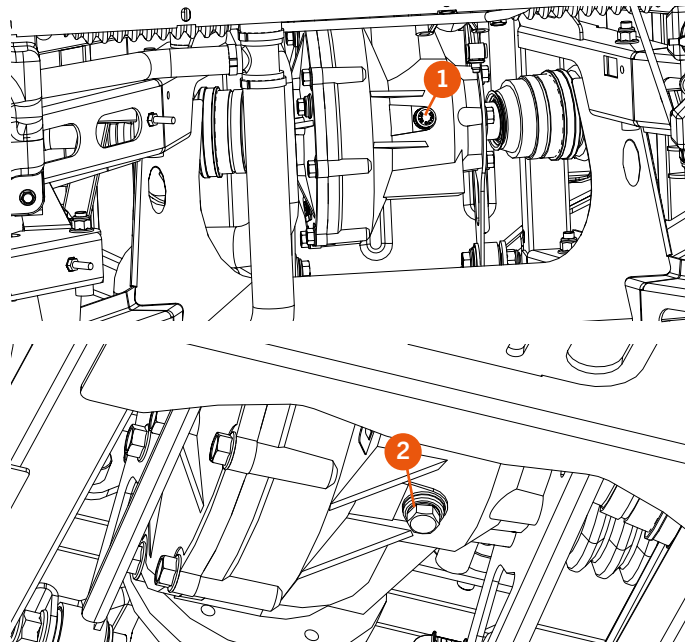
Recommended oil: SAE 80W-90, API GL5.

Capacity: 0.5 L.



**NEVER** drive the vehicle with no or low oil in the front differential.

It is important that you are familiar with the maintenance intervals for the components shown in the service chart.



## 27. 4WD LOCKING SYSTEM OIL (CHECK AND CHANGE)

### CHECK:

To check the 4WD locking system oil level, you have to drain the oil into a calibrated container and measure the amount that has been extracted. The correct volume is 0.05 L.

### CHANGE:

It is convenient to frequently check that there are no leaks and the maintenance of the oil level, for correct operation.

Changing the locking system oil.

1. Put the vehicle in the horizontal position and remove the front underbody protector (see page 46).
2. Place a container under the 4WD locking system to collect the used oil and avoid any spillage.
3. Remove the filler plug (1), to facilitate a better drainage of the 4WD oil.
4. Remove the drain screw (2) the 4WD locking system oil.
5. Once all the oil has drained out of the system, replace the washer and make sure the drain screw is tightened at 24 Nm.
6. Fill with 0.05 L of new oil.
7. Replace the plug washer and tighten the oil filler plug (1) to 24 Nm.

### TECHNICAL INFORMATION:

Recommended oil: SAE 80W-90, API GL5. Capacity: 0.05 L.

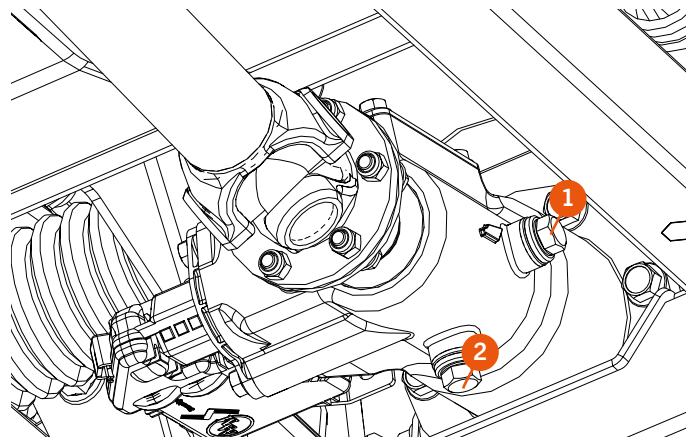
Tighten the filler plug/screw to 24 Nm.

Tighten the drain plug/screw to 24 Nm.



**NEVER** drive the vehicle with no or low oil in the 4WD actuator.

It is important that you are familiar with the maintenance intervals for the components shown in the service chart.



## 28. REAR DIFFERENTIAL OIL (CHECK AND CHANGE)

### CHECK

To check the oil level of the 4x4 locking system, you must extract the oil into a calibrated container and measure the amount removed. The correct volume is 0.7 L.

### CHANGE:

The oil must be changed periodically, to ensure the life of the differential, as indicated in the Service Chart (see page 43/44)

1. Place the vehicle in a completely horizontal position.
2. Remove the rear underbody protector before starting the operation (see page 46) and lift the cargo box.
3. Place a container under the differential to collect the used oil and prevent spills.
4. Remove the fill cap/screw (1) to facilitate better evaluation of the oil.
5. Remove the drain cap/screw (2) and wait until all the content has emptied out.
6. Reinstall the drain cap/screw (2) and tighten it, replacing its washer, securing it at 24 Nm.
7. Refill the rear differential with new oil.
8. Screw in and ensure the final tightening of the corresponding fill cap/screw (1), replacing its washer, securing it at 24 Nm.



### TECHNICAL INFORMATION:

**Recommended oil:** SAE 80W-90, API GL5.

**Tightening torque of the fill cap/screw:** 24 Nm.

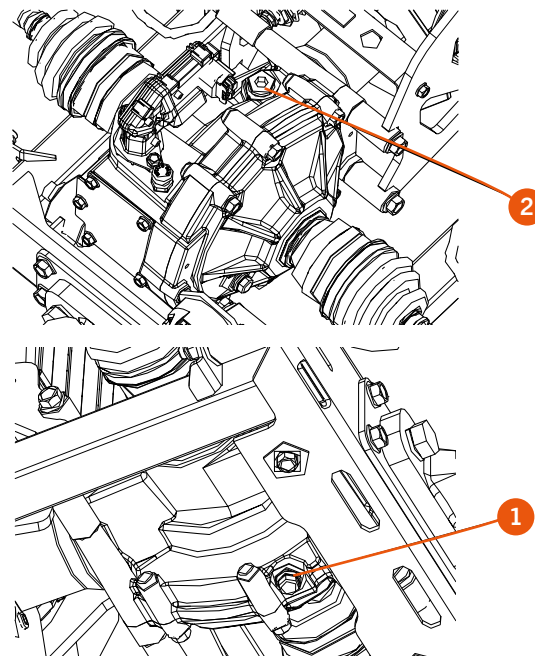
**Tightening torque of the drain cap/screw:** 24 Nm.

**Capacity:** 0,7 L.



**NEVER** drive the vehicle with no or low oil in the front differential.

It is important that you are familiar with the maintenance intervals for the components shown in the service chart.



## 29. GREASE NIPPLES

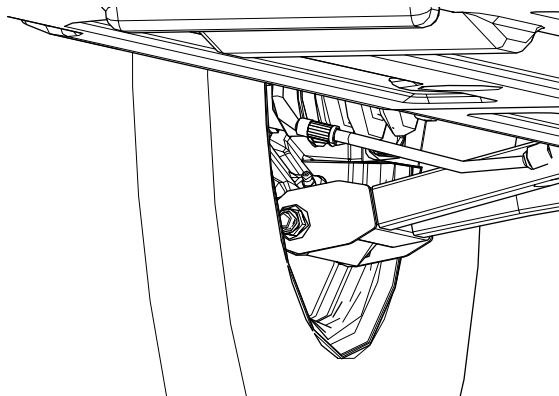
Your vehicle is equipped with grease nipples to facilitate the lubrication of the rear wheel spindles.

1- Rear wheel spindle grease nipple (1).



The indicated points should be lubricated according to the service chart to prevent rapid wear of the components.

Check regularly to make sure that the grease nipple is still in position. If it falls out, lubrication may be lost and dust or foreign matter can get in, which will accelerate the wear of the components.

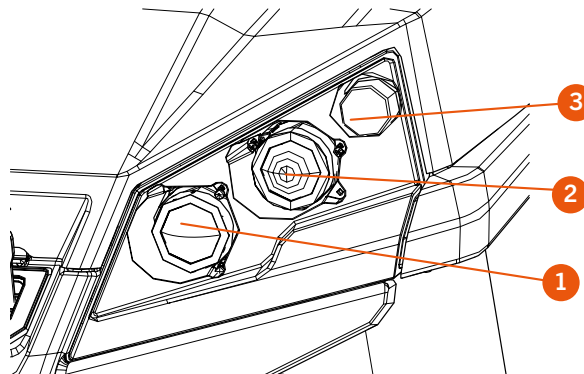


## 30. LIGHTING

### PILOT LIGHTS

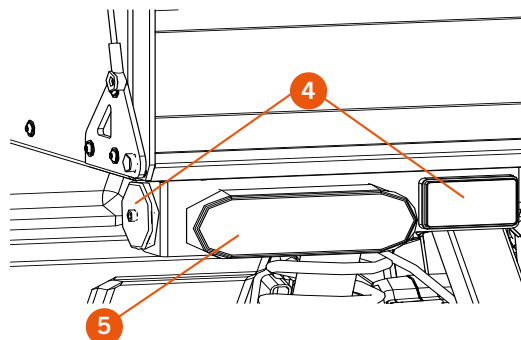
The headlamps and the turn signal lamps are located on the **front** of the vehicle:

1. The front low beam headlamps (short) have a screw so you can adjust their height.
2. The front long beam headlamps have screws so you can adjust their height.
3. Front turn signal lamps.



The brake lights/sidelights, the turn signal lamps and the reflectors are located on the **rear** of the vehicle:

4. Reflectors
5. Rear turn signal lamps.
6. Your vehicle also has a number plate light. (pág 59).



La superficie de los pilotos puede estar muy caliente.

**NUNCA** conduzca el vehículo sin luces o intermitencia.

Estas representan una importante medida de seguridad.



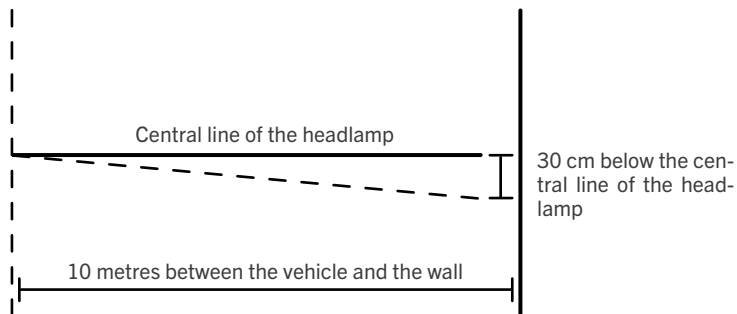
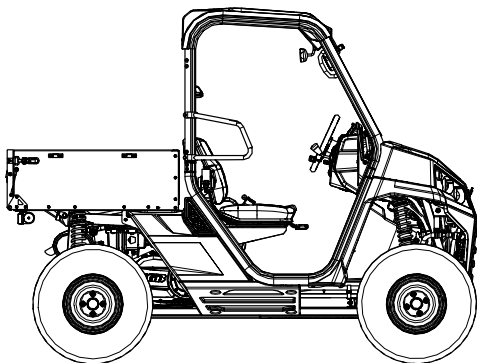
## 30. LIGHTING

### ADJUSTING THE HEIGHT

1. Position the vehicle 10 meters from a wall and use the parking brake to immobilize it.
2. Use the screws to adjust the headlamps (1).
3. The light beam must be 30 cm below the horizontal line projected onto the wall from the centre of the headlamp.



The bulbs and headlamps may be very hot.



## 3I. FRONT LAMPS (LOW AND HIGH BEAM AND TURN SIGNAL LAMPS)



The bulbs and headlamps may be very hot.

### Procedure:

1. Switch the vehicle off.
2. Open the front hood.

### Replacing the turn signal lamps:

1. Unplug the electrical connector (1) of the lamp you are replacing.
2. Turn the bulb counterclockwise to remove it from its housing.

### Replacing the long-range lights:

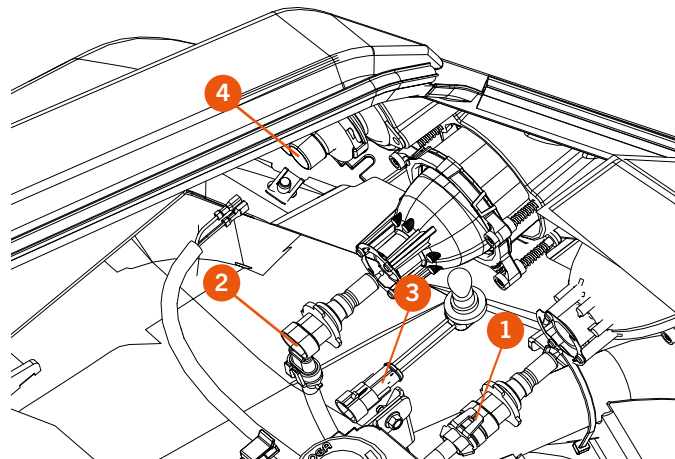
1. Unplug the electrical connector (2) of the lamp you are replacing.
2. Turn the bulb counterclockwise to remove it from its housing.

### Replacing the sidelights:

1. Unplug the electrical connector (3) of the lamp you are replacing.
2. Insert your hand beneath the lamp until you touch the light.
3. Turn the bulb counterclockwise to remove it from its housing.

### Replacing the indicator lamps:

1. To replace the turn signal lamps, turn the bushing (4) counterclockwise to disconnect it from its housing.
2. Turn the lamp and separate it from the bushing.



### TECHNICAL INFORMATION

Dipped beam lamp: HB3A 12V 60W // Ref. 09180040003

Long-range lamp: HB3 12V 60W // Ref. 08011460000

Sidelights: W5W 12V 5W // Ref: 08011360000

Turn signal lamp 12V 21W //Ref. 08000960000



Do not drive the vehicle without brake, turn signal or sidelights as these are important safety features.

## 32. REAR LAMPS

### NUMBER PLATE HOLDER BULB

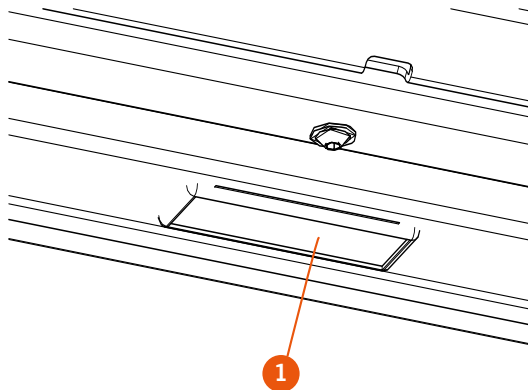
To access the number plate holder bulbs, it is necessary to follow these steps:

1. Remove the screws shown (1).
2. Then remove the outer plastic of the lamp (1).
3. Carefully remove the bulb.



#### TECHNICAL INFORMATION

License plate light bulb: Ref. 08001660000



## 33. TIRES

Check that the tires are not worn, cracked or damaged.  
Also check that they are at the correct pressure.

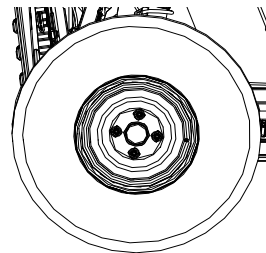
Recommended front/rear pressure:

- 1.0 bar (empty vehicle)
- 1.5 bar (vehicle at full load)



#### INFORMACIÓN TÉCNICA

License plate light bulb: Ref. 08001660000



## 34. BOLTS, NUTS AND FASTENINGS

Every day before you drive your vehicle you should check that all the nuts and bolts are tight.


You should also check that the other fastenings are in place and in good condition.




**NEVER** drive with nuts or bolts removed, this could cause an accident or serious damage.

## 35. BRAKE WEAR

If the thickness of any of the front or rear disc brake pads is less than 1.5 mm, completely change the set of affected pads.


 Check that the front and rear axle discs are at least 3.5 mm thick.

It is important to keep the area around the discs, pads and wheel spindles clean. Do not allow mud or external elements to accumulate over long periods of time. These elements can affect the performance, effectiveness and life of the materials.

 We recommend that you go to your CORVUS dealer to change the brake pads. They will also check for any possible wear of the brake discs.


## 36. BRAKE FLUID

Inspect the brake fluid and change it regularly.  
You must also change it if it is contaminated by water or dirt.  
*Recommended fluid: DOT-4 brake fluid.*

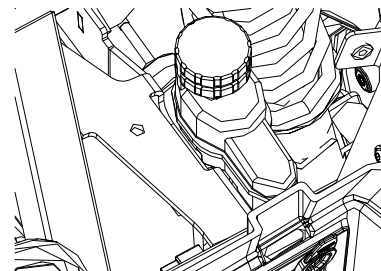
 Do not mix different types of brake fluid. The fluid used to fill or renew your circuit must respond to the specified standard in the fluid reservoir of each circuit. You should **NEVER** change the specification, always respect the dot-4 specification. What is important is not that the brake fluid should be the same brand, rather that it **MUST HAVE** the same specification. **NEVER** use fluid from a container that is not sealed (unopened) at source. **NEVER** use brake fluid that has already been used.

The brake fluid level must be within the MIN/MAX range. If there is not enough liquid, it should be added.

 Do not spill brake fluid on paintwork.

 Check that there is no loss of liquid through the gaskets. Check for possible damage to the brake sleeves.

It is recommended that you replace the brake fluid every 2 years.



## 37. COOLANT

The coolant absorbs excess heat from the engine and transfers it to the air through the radiator. If the coolant level decreases, the engine overheats and can be severely damaged.

Check the coolant level every day before driving your CORVUS. Also, inspect for any foreign elements, improper or unusual coloration, or other contaminating liquids such as oil. To protect the aluminum parts of the cooling system (engine and radiator) from oxidation and corrosion, use chemical inhibitors in the coolant composition. If a corrosion-preventing coolant is not used, over time, the radiator will oxidize, which will obstruct the cooling tubes.

**NOTE:** Specify the type of coolant: 50% long time -35°C.

Chemical liquids are harmful to the human body. Follow the manufacturer's instructions.

Using incorrect liquid solutions can cause damage to the engine and cooling system. Use coolant with a specific anti-corrosion formula for aluminum engines and radiators according to the manufacturer's instructions. If the coolant level is correct and the vehicle continues to overheat, even after running for only a few minutes, air bubbles in the circuit may be the cause, and the system should be purged. If the high temperature persists, contact CORVUS service.



To avoid burns, do not remove the radiator cap or attempt to change the coolant while the engine is still hot. Wait until it cools down.

### Coolant Level:

1. Place the vehicle on a completely horizontal surface.
2. Unscrew the reservoir cap (1) counterclockwise and wait a few seconds for the vapors to dissipate.

3. Check the coolant level. The liquid should not exceed the marked line (MAX).

4. If the coolant level is low, add the necessary amount through the filling opening.

Recommended coolant: 50% Long time (-35°C).

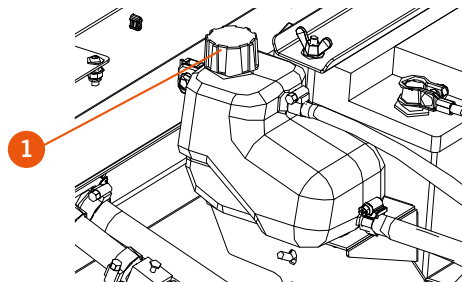


If coolant spills onto the tires, it makes them more slippery and can cause an accident. Immediately clean any liquid that may fall onto the chassis, engine, or wheels.

Inspect the old coolant. If white stains are observed in the liquid, it means that the aluminum parts of the cooling system are corroded. If the coolant is brown, it indicates that the steel or iron components of the system are rusted. In both cases, clean the system.



Replace the seals with new ones. Check for possible damage, leaks, or missing seals in the cooling system. In countries with cold climates, adjust the antifreeze capacity to the minimum temperature, ensuring a margin of -5°C.



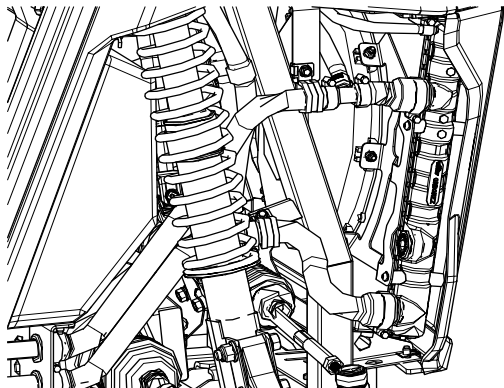
## 38. RADIATOR HOSE

**Hoses:** Check that the radiator hoses are not cut or deteriorated and that the connections have no leaks.

**Radiator:** Ensure that the radiator fins are not obstructed (by insects or mud). Clean any obstructions with a low-pressure water spray.

**!** Using high-pressure water can damage the radiator fins and reduce its effectiveness. Do not obstruct or divert the airflow to the radiator by installing unauthorized accessories. Any interference with the radiator can cause overheating and damage the engine.

Replace the radiator if it is damaged or has lost effectiveness.



## 39. AUXILIARY BATTERY

The battery (12 V and 55 Ah) does not need maintenance.

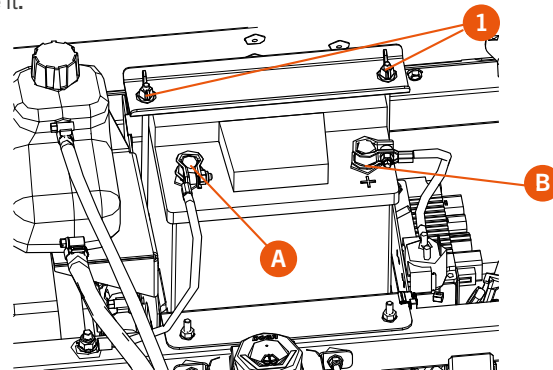
### Changing the battery

The battery is located at the right rear of the vehicle, under the right-hand spray shield or right-hand side box.

To change it, perform the following steps:

1. Loosen the 5 screws (1) securing the spray shield and remove it..
2. Quite las tuercas de fijación (1) que fija la batería.
3. Remove the screw (2) securing the battery nail.

Replace the battery with a new one and follow the steps in reverse order to reassemble it.

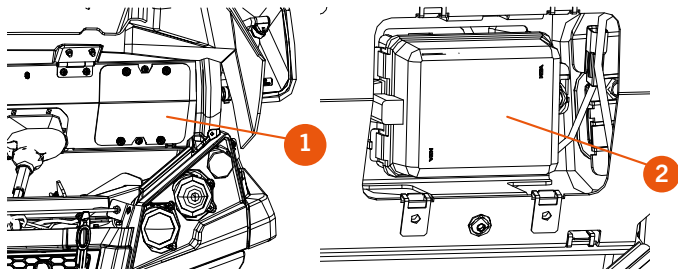


Do not handle or attempt to open the battery; the electrolyte and gases are toxic and can cause serious injuries. Keep the battery out of the reach of children. Keep it away from heat sources, open flames, and sparks. Always store and charge the battery in well-ventilated areas. Wear protective clothing and goggles. Always disconnect the negative terminal first and reconnect it last.

## 40. FUSES

### LOT 1

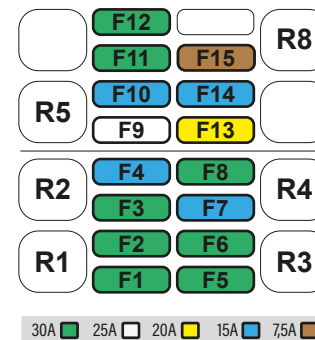
To access the fuse box you will need to remove the 2 screws on the cover located to the lower left-hand side of the driver's seat.



**NEVER** use fuses other than those indicated, as this could lead to malfunction or failure of the electrical system.

- F1 - Key switch // Llave de contacto
- F2 - Electric fan // Electroventilador
- F3 - EPS
- F4 - GPS
- F5 - Signal KL30 // Señal KL30
- F6 - High light+warning+EFI power+fuel //  
Luces largas+warning+potencia EFI+combustible
- F7 - Lighter // Toma Auxiliar de 12V
- F8 - Signal KL 15 // Dirección asistida
- F9 - HVAC\* (Optional) // HVAC\* (opcional)
- F10 - Trailer Supply // Piña de remolque
- F11 - Low light+brake // Luces de cruce + freno
- F12 - Low+brake light // Luces de freno
- F13 - Signal // señal
- F14 - GPS
- F15 - HVAC COMMAND\* (OPTIONAL) //  
Controlador calefacción\* (Opcional)
- R1 - Electric fan // Electroventilador
- R2 - Fuel pump // Bomba de combustible
- R3 - Power relay // Relé de potencia
- R4 - Power control // Control de potencia
- R5 - HVAC\* (OPTIONAL) // HVAC\* (Opcional)
- R8 - A/C\* (OPTIONAL) // A/C\* (Opcional)

### TOP//SUPERIOR



\*: Optional // Opcional

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## 41. WINDSHIELD WIPER

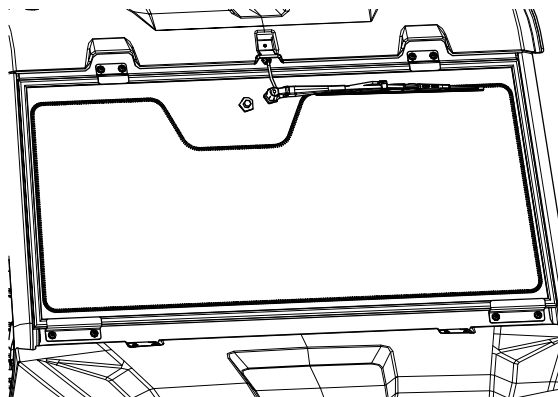
### WINDSHIELD WIPER BLADE \*

To remove the windshield wiper blade:

- 1 - Separate the windshield wiper arm.  
The arm and the blade must form an angle of 90°.
- 2 - Press the central clip.
- 3 - Remove the blade downwards.

To assemble the blade:

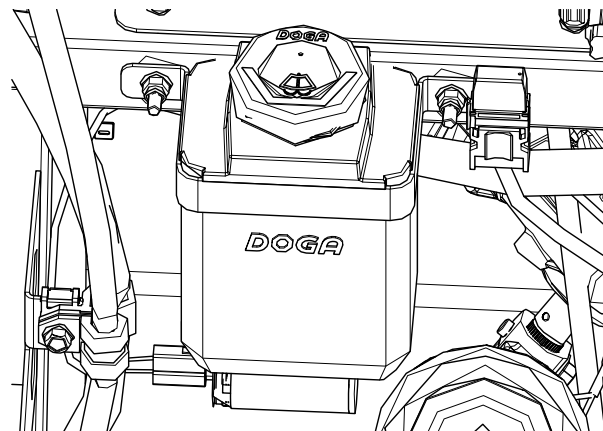
- 1 - Place the windshield wiper arm between the blade.
- 2 - Place the tip of the arm onto the central clip.
- 3 - Twist the blade and return the arm to its initial position.



### WINDSHIELD CLEANER FLUID \*

The windscreen wiper fluid reservoir is located under the front hood.

- 1 - Put the vehicle in a horizontal position.
- 2 - Remove the four screws from the cover.
- 3 - Remove the cap.
- 4 - Fill the tank with fluid up to the top.
- 5 - Screw the cap back on.
- 6 - Check it works properly.





# WARRANTY MANUAL

MANUAL DE  
GARANTÍA



# LIMITED WARRANTY

## I. LIMITED WARRANTY

The company CORVUS hereby guarantees to the end consumer, the buyer of a vehicle manufactured by CORVUS, that both the materials and the manufacturing are free from defects in accordance with the highest quality standards.

Consequently, CORVUS hereby guarantees the final buyer (hereinafter referred to as the “buyer”), in accordance with the conditions stated below, the repair of any material defect, hidden flaw, or manufacturing defect detected in a vehicle at no cost, within the warranty period specified and with a limitation of 1,000 hours of operation.

## 2. WARRANTY PERIOD

The 2-year warranty period will begin on the day the vehicle is delivered to the buyer by an authorized dealer or official CORVUS distributor. In the case of demonstration models, the warranty will begin on the date the vehicle is delivered to the authorized dealer or official distributor or when it is first put into operation.

The seller is responsible for non-conformities that arise within the period established by Royal Legislative Decree 1/2007 of November 16, which approves the consolidated text of the General Law for the Defense of Consumers and Users from the date of delivery of the vehicle. This is also in accordance with Directive (EU) 2019/771 for the rest of the European Union Member States. For countries outside the European Union, the warranty period will be regulated by the respective local laws in force.

However, if the non-conformity appears within two years from the date of delivery, it is presumed that the issue existed at the time of delivery. After two years, the buyer must prove that the non-conformity was present at the time of delivery.

During the year following the delivery of a repaired product, the seller remains responsible for the non-conformities that prompted the repair.

Any defect detected in the product must be reported to an official distributor or authorized CORVUS dealer within the warranty period. If the last day of the warranty period falls on a Sunday or an official holiday, the period will be extended so that the last day of coverage is the next working day.

Warranty claims for defects not reported to an official distributor or authorized CORVUS dealer before the end of the warranty period will be excluded.

### 3. OBLIGATIONS OF BUYER

The buyer is responsible for transporting the vehicle to and from the dealership by their own means.

CORVUS is entitled to reject warranty claims if and to the extent that:

1. The buyer has not submitted the vehicle to any inspections and/or maintenance work required in the user manual or has exceeded the specified date for such inspections or maintenance work, also excluding from the warranty defects that appeared before the scheduled date for an inspection or maintenance work that was NEVER carried out or was performed after the established date.
2. An inspection, maintenance work, or repair has been carried out by third parties not recognized or authorized by CORVUS.
3. Any maintenance or repair has been conducted in violation of the technical requirements, specifications, and instructions indicated by the manufacturer.
4. Unauthorized replacement parts have been used for maintenance or repair on the vehicle, or if and to the extent that the vehicle has been operated using fuels, lubricants, or other liquids (including but not limited to cleaning products) that have not been explicitly mentioned in the User Manual specifications.
5. The vehicle has been altered or modified in any way or equipped with components other than those explicitly authorized by CORVUS as approved vehicle components.
6. The vehicle has been stored or transported in a manner inconsistent with the relevant technical requirements.
7. The vehicle has been used for special purposes beyond ordinary use, such as competitions, races, or attempts to set records.
8. The vehicle has suffered an accident causing direct or indirect damage.

### 4. WARRANTY EXCLUSIONS

Los siguientes artículos serán excluidos de la garantía:

1. Wear parts, including but not limited to: auxiliary 12V batteries, spark plugs, transmission chain, fuel filters, oil filter element, air filters, brake discs, brake pads, clutch friction plates, CVT belts, CVT rollers, CVT variator, bulbs, fuses, carbon brushes, tires, cables, seat components, suspension and steering components, and other rubber components, as well as any parts subject to wear.
2. Lubricants (e.g., oil, grease, etc.) and operating fluids (e.g., battery fluid, coolant, etc.).
3. Inspection, adjustment, and other maintenance work, as well as all types of cleaning work.
4. Paint damage and subsequent corrosion caused by external influences such as stones, salt, industrial exhaust gases, and other environmental impacts or improper cleaning with unsuitable products.
5. Damage caused by defects, as well as expenses incurred directly or indirectly due to defect-related incidents (e.g., communication costs, accommodation costs, rental car expenses, public transportation costs, towing expenses, express courier costs, etc.), as well as other financial damages (e.g., loss of vehicle use, loss of income, loss of time, etc.).
6. Acoustic or aesthetic phenomena that do not significantly affect the vehicle's usability (e.g., minor or hidden imperfections, normal usage noises or vibrations, etc.).
7. Phenomena due to vehicle aging (e.g., discoloration of painted or metal-coated surfaces).

## 5. VARIOUS

A. Were the repair of the defect or the replacement of the part to be disproportionate, CORVUS will have the prerogative to decide at its sole discretion whether to repair or replace defective parts. Ownership of the replacement parts or the replaced parts, as the case may be, shall correspond to CORVUS without any other consideration. The official CORVUS distributor or authorised dealer to whom the repair of such defects has been entrusted will not be authorised to make binding declarations on behalf of CORVUS.

B. In the event of doubt as to the existence of a defect or if a visual or material inspection is required, CORVUS reserves the right to demand the return of the parts covered by a warranty claim or to request an examination of the defect by a CORVUS expert. Any additional warranty obligations on parts replaced without charge or for any service provided free of charge under this warranty will be excluded. The warranty for spare parts within the warranty period will end on the date of expiry of the warranty period of the product concerned.

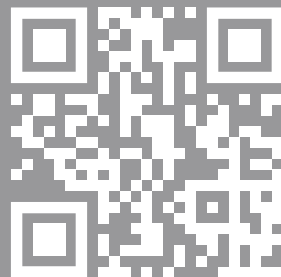
If it were to prove impossible to repair a defect and the replacement thereof were to be disproportionate for the manufacturer, the consumer is guaranteed the right to cancel the contract (payment of compensation) or to a partial refund of the purchase price (discount), instead of the repair of the vehicle.

D. The purchaser's warranty claims under the sale and purchase agreement entered into with the corresponding official distributor or authorised dealer will not be affected by this warranty. This warranty will not affect the additional contractual rights of the buyer under the general conditions of business of the authorised dealer.

Such additional rights, however, can only be claimed from the authorised dealer or authorised distributor.

If the purchaser were to resell the product within the warranty period, the terms and conditions of this warranty shall continue to exist to the current extent, so that the rights to claim under this warranty in accordance with the terms and conditions regulated herein shall be transferred to the new owner of the vehicle.





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