

Description Unimog U500 Global Expedition Vehicle

Off-road Camper Truck Mercedes Unimog U500 4x4

(Model 405.200 / U500)



Truck

- Approved and registered as a “Home Truck” (without the need for a Tachograph)
- Power steering
- VarioPilot driving system that allows driver position on the right or left, moving the steering wheel, dashboard and bottom bracket to one side or the other, all together, in a simple 3minute operation
- Non-rusting fiberglass tilting cabin (with security system to lock when working on the engine)
- Approved underride protection systems
 - o Retractable and removable sides
 - o Tilting rear underrun bar to increase exit angle clearance on off-road
- PMA: 15.000 Kg / 33.069 Lbs
- Distance between axles 390 cm / 12,80 ‘
- Total length: 7, 97 m / 26,25‘

- Cruise control and speed limiter
- On-board computer and breakdown control (Electronic power train management system with diagnostic interface and onboard diagnostics)
- Suspension cab and suspension seats
- Air-conditioning
- Heated mirrors (all the necessary for official approval)
- Double headlight system (normal and elevated in case it is needed because hydraulic implements)
- Cabin roof rack with 4 high-power work lights
- Powerful upgraded truck horn
- Clearance lights with housing box included
- Vehicle User Manual from Mercedes (English and Spanish) (Mercedes Unimog U500 4x4 (Model 405.200 / U500))
- Mercedes Workshop Manual with all schematics and exploded views of systems, and fault codes guide

Transmission:

- Permanent 4x4 with front, rear and central differentials
- Front, rear and central differential locks



Engine

- 6 cylinders in line with turbo-charger/intercooler
- Electronic injection
- 6,400 l
- 270 HP
- Torque 1085Nm at 1200/1600 rpm
- Cold start system up to -17°C

Fuel

- 230 l / 60,5 Gin diesel tank (+ 150 / 39,5 extra from the auxiliary tank in the living area with electric transfer pump to the main tank that can be used whilst driving from the cabin's central control panel)



Tires, axles and suspension damping

- Tires Off-Road Michelin XZL 395/85 R20 161J (4 + 1 spare wheel)
- Permanent tire pressure control system with pressure inflation and deflation system for each axle
- External couplers for external connection to tire inflation systems

- Spare wheel at the rear of the vehicle with manual winch for handling access from within the trunk (lowering and lifting)
- Extra-power hydraulic jack with super resistant fiber support bases of different sizes made for use on soft terrain (Action Mobile brand)
- Track width: 183 cm with wheel spacer +10 cm +10 cm (total + 20cm) for better stability on road and off-road. Current total track width: 203 cm
- Improved spring damping system with double off-road shock absorbers on each wheel
- Axles (2) on gantry to increase ground clearance (classic and unique on Unimogs)
- Ground clearance 45 cm



Brakes:

- Pneumatic disc brake system and 2-stage engine auxiliary braking system with compression braking in the cylinder heads
- ABS ON/OFF (disconnect able)
- Preloaded spring parking brake system

Electricity and electronics

- 12 V (3 long-life batteries + 2 electronic system maintenance batteries)

- External battery charging terminals
- Interior electronic control box in the cabin
- External PTO



Gearbox and shift

- Gearbox with 8 forward and 6 reverse gears (also has a half gear system)
- Telligent Shifting, Electronic Pneumatic Shifting (EPS) with Electronic Quick Reverse (EQR)
- Road shifting system + 2 gear levels: normal reduction gear and super reduction gear
- 3 types of use of the gear change:
 - o Automatic
 - o Manual
 - o Manual assisted with foldable clutch pedal
- It also has a manual emergency shift system and a super emergency system with direct screws to the gearbox

Pneumatic system:

- 118/130 PSI system
- In addition to the braking system and other functions of the pneumatic cylinder system, there are external sockets in the air pressure cylinders area to connect pneumatic tools (nut gun, blower, etc.)
- Tools for various uses (pneumatic gun, blower, etc....)

Security:

- Various security systems that will be explained to the buyer before the sale

**Hydraulic system with control from the cabin with control panel and joystick**

- With various front and rear hydraulic connections on the truck
- Currently one front and one rear intake are used for a front winch and a rear winch of 20,000 pounds, both hydraulic. Both winches can be operated from inside the vehicle or with a remote control from outside the vehicle for better visibility particularly to the rear

Additional vehicle equipment:

- Rear motorcycle carrier with electric winch lift
- AEG AR-4021 BT Bluetooth Car Radio with remote control
- CB Radio station (Intek FM-600SX) and 2m Radio station (Kenwood TM-G707), with antennas for each of them
- Webasto Coolant Heater Thermo 90 for engine and cabin preheating. Programmable
- 4 exterior video cameras system (2 lateral ones for rear wheels + 1 rear camera for normal rearview mirror and another for proximity rearview mirror) with in-cabin 8" screen that allows different views of the 4 cameras.
- Thermal insulation system for the truck cabin using reflective sun protection to prevent heat build-up when stationary (both for the front windshield and the side windows). Provides thermal and visual protection.

- System of sliding fabric curtains on rails for the entire cabin that allows privacy (visual and solar protection) in the cabin, can be used in addition to or instead of the reflective protection (for example, in winter)
- Fire extinguisher
- Porthole with direct access from the cabin to the housing module, with a tilting lid to isolate both areas:



