

# Your comfort. *Wherever you are!*

*The* AUTOMATIC LEVELLING  
KIT FOR ALL CAMPERS



Plein Air Innovation







**FOR ALL TYPES  
OF CAMPERS**

Whatever adventure awaits you, you can now count on a stable and well levelled motorhome.

By using the MA-VE kit, you can truly sleep soundly and comfortably and pots, pans and dishes will stay safely in place. You can fit snow chains or change a tyre in one easy step via the smartphone app. At last, your five-star holiday will have all the comforts of home.

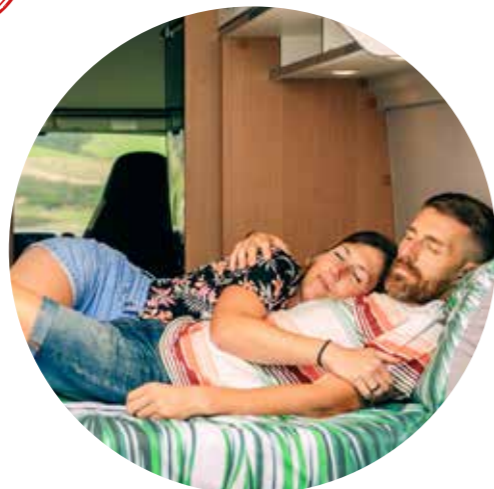
*Wherever you are!*



**IMPROVE CAMPER  
STABILITY**



**PERFECT PLANE  
FOR COOKING,  
AND ALL DISHES**



**PERFECT SLEEPING  
POSITION**



**BETTER INTERNAL  
LIVING COMFORT**



# HYDRAULIC PUMPS

## Standard Hydraulic pumps

MANUAL EMERGENCY PUMP | INDOOR OR OUTDOOR INSTALLATION



TANKS SIZE	3.5 / 5 / 8 LITERS
POWER SUPPLIES	12V / 24V

The MA-VE automatic levelling kit is an automatic electro-hydraulic system, made up of a compact electronic control unit and management software, designed by MA-VE for perfect levelling.

Through a series of solenoid controlled valves and pipes,

the control unit controls the 4 hydraulic cylinders which level and stabilize the vehicle.

It is adaptable to all vehicles, and is available in enhanced versions for large 24V powered vehicles.

Thanks to its accessories, the pump can be installed both in-

side or outside the vehicle.

Furthermore, the MA-VE automatic levelling system kits features a manual emergency pump which, in the event of a failure in the vehicle's electrical system, can be activated to allow the hydraulic cylinders to retract in total safety.

## Hydraulic pumps with VB Air suspension interface

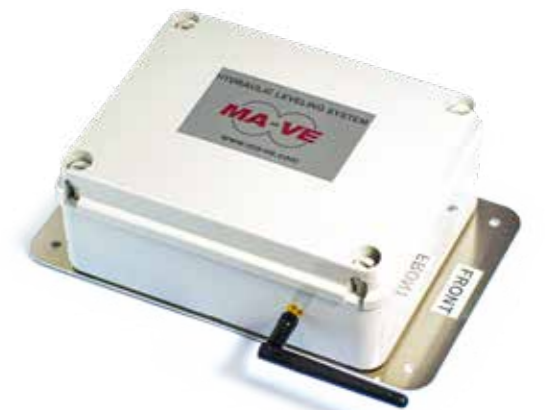


TANKS SIZE	3.5 / 5 / 8 LITERS
POWER SUPPLIES	12V / 24V

Thanks to the MA-VE kit equipped with the VB Air Suspension interface, the vehicle will be able to level itself on greater differences in height than the system with inflated suspension. In addition, boarding the leveled vehicle will be smoother and ea-

sier. The hydraulic pump with VB Air Suspension interface allows you to level the vehicle by deflating and reinflating the suspensions. Operation is completely automatic and integrated with the suspension control unit.

PERFORMING CONTROL UNIT | COMPACT SIZE FITS ALL VEHICLES | ENHANCED VERSIONS



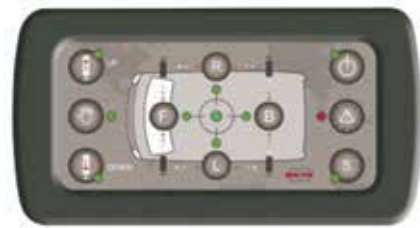
The electronic control unit of a MA-VE levelling kit is able to carry out manual or fully automatic levelling cycles and allows easy maintenance.

Furthermore, the control unit is equipped with a Bluetooth antenna, necessary for smart phone operation, and a USB-B socket or customizing the system.

# CONTROL PANELS

# JACKS

## Standard fixed version



### FUNCTIONS

- POWER KEY
- AUTOMATIC LEVELLING CYCLE
- AUTOMATIC CYCLE
- CYLINDER RETRACTION
- SPECIAL CYCLE FOR LIQUID DISCHARGE
- ACTIVATION BUTTON
- MANUAL COMMANDS
- MANUAL OPERATION
- PAIRS OF CYLINDERS
- ALARM LEDES
- LEVELLING LEDES

The user interface of MA-VE automatic levelling kit is characterized by a simple and **intuitive control panel** that integrates into the furnishings of your vehicle without being invasive.

The new control panel has im-

## New fixed and removable panel



### NEW FIXED VERSION PANEL

TOUCH PANEL TECHNOLOGY | USER FRIENDLY | OPERATION IN FIXED MODE | ALARM ICONS | STATUS ICONS | ALARM LED AND ERROR CODE RECALL BUTTON | LEVELLING LEDES

### NEW REMOVABLE VERSION PANEL

TOUCH PANEL TECHNOLOGY USER FRIENDLY | OPERATION IN FIXED MODE | BATTERY FOR REMOTE OPERATION WITHIN 5-10M OF CONTROLLER | BLUETOOTH CONNECTION | EMERGENCY BUTTON ON FIXED WALL BASE | WALL QUICK COUPLING WITH ELECTRICAL CONTACTS | POSSIBILITY OF AN ADDITIONAL BUTTON COMMAND (OPTIONAL)

### FUNCTIONS

- POWER KEY
- AUTOMATIC LEVELLING CYCLE
- AUTOMATIC CYLINDER RETRACTION CYCLE
- SPECIAL CYCLE FOR LIQUID DISCHARGE
- STOP BUTTON
- MANUAL OPERATION
- PAIRS OF CYLINDERS
- MANUAL OPERATION
- SINGLE CYLINDERS
- COMPATIBILITY WITH OLDER SYSTEMS. ONLY SOFTWARE UPDATE NEEDED

plemented touch technology and integrated new functions that make vehicle levelling even more convenient and smart. The removable version of the new panel also allows you to use the panel as a real remote control thanks to the Bluetooth

connection.

The Bluetooth connection can also be used for remote management from smartphones. In fact, a free downloadable APP is available for both IOS and ANDROID devices.

## Jacks for all vehicles and applications

### LAYOUT EXAMPLES



WITH FLANGE  
SINGLE EXTENSION

WITHOUT FLANGE  
SINGLE EXTENSION

WITH FLANGE  
DOUBLE EXTENSION

WITHOUT FLANGE  
DOUBLE EXTENSION

**The jacks** are designed and produced with top quality materials for excellent performance and durability.

The jack, manufactured with a double coating, has a large jointed support plate at the end to avoid sinking and can obtain a firm grip even on irregular surfaces. The support plate is suitably strengthened

by ribs, made of stainless steel and provided with water drainage holes.

Obviously, a wide range of hydraulic jacks with different lengths, diameters and capacities, single or double extension, with or without frame fixing flange, have been designed to satisfy every type of application.

### CHARACTERISTICS\*

JACKS DIMENSION SINGLE STAGE	40-45-60-75-90
JACKS DIMENSION DOUBLE STAGE	60 1ST-40 2 <sup>ND</sup>
MAXIMUM FORCE DOUBLE STAGE 150 BAR	1880 Kg
MAXIMUM FORCE SINGLE STAGE 40 mm	2350 Kg
MAXIMUM FORCE SINGLE STAGE 60 mm	4250 Kg
MAXIMUM FORCE SINGLE STAGE 70 mm	5750 Kg
MAXIMUM FORCE SINGLE STAGE 75 mm	6600 Kg
MAXIMUM FORCE SINGLE STAGE 90 mm	12000 Kg

\*NOMINAL VALUES AT 150 BAR PRESSURE



**BRACKETS**

**ACCESSORIES**

Dedicated supports to suit different chassis types



**BRACKETS**

- FIAT DUCATO STD/ALKO
- PEUGEOT - CITROEN
- IVECO DAILY
- FORD TRANSIT
- MERCEDES SPRINTER

The Jacks can be installed, through their flange, directly to the chassis, or by means of **special brackets** designed purposefully for any type of mechanics, be it FIAT, CITROEN, PEU-

GEOT, FORD, IVECO, MERCEDES or AL-KO chassis. The fixing brackets are supplied complete with all the fasteners necessary for installation.



CASING WITH BRACKET FOR ANCHORING THE HYDRAULIC PUMP OUTDOORS UNDER THE FLOOR

The electro-hydraulic pump, the heart of the MA-VE automatic levelling system, can be installed inside a locker or rear garage, but also externally, under the vehicle.

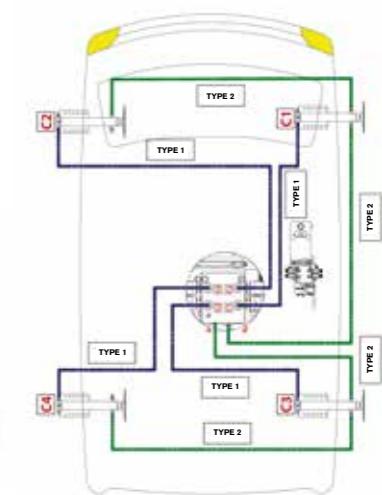
For this purpose, a special external fixing kit was designed, consisting of a stainless steel flange to be fixed to the frame under the floor and an easily removable cover. In case you

need to intervene for maintenance or an emergency, the casing can be easily removed.



BLUETOOTH ANTENNA EXTENSION

TYPES OF STANDARD AND SPECIAL PIPES FOR HYDRAULIC CONNECTIONS, AVAILABLE IN LENGTHS: 2 / 2,5 / 3 / 3,5 / 4 / 4,5 / 5 METERS



# LEVELLING KIT COMPOSITION

BRAND	CHASSIS	COD. JACKS KIT	JACKS DESCRIPTION	COD. BRAKETS KIT
IVECO	KIT NORMAL VARIANT 1 DAILY 35/55 Q PRE 2020	RSM120013	FRONT 2 JACKS WITH SINGLE EXTENSION FLANGE L= 465	RSM120033
	PASSENGER SIDE BATTERY	RSM120030	REAR 2 JACKS WITH SINGLE EXTENSION FLANGE L= 375	
	KIT NORMAL VARIANT 1 DAILY 35/55 Q PRE 2020	RSM120013	FRONT 2 JACKS WITH SINGLE EXTENSION FLANGE L= 465	RSM120097
	DRIVER SIDE BATTERY	RSM120030	REAR 2 JACKS WITH SINGLE EXTENSION FLANGE L= 375	
	KIT DAILY 55-70 Q	RSM120013	FRONT 2 JACKS WITH SINGLE EXTENSION FLANGE L= 465	RSM120033
		RSM120013	REAR 2 JACKS WITH SINGLE EXTENSION FLANGE L= 465	
	KIT IVECO POST 2020	RSM120354*	FRONT 2 JACKS WITH SINGLE EXTENSION FLANGE L= 465	RSM120097
	DRIVER SIDE BATTERY	RSM120013	REAR 2 JACKS WITH SINGLE EXTENSION FLANGE L= 465	
	KIT IVECO FROM 2020 ON	RSM120354*	FRONT 2 JACKS WITH SINGLE EXTENSION FLANGE 2/ PLATES 180 L=465	RSM120355
		RSM120013	REAR 2 JACKS WITH SINGLE EXTENSION FLANGE L= 465	
ALKO	KIT ALKO SLC	RSM120008	FRONT 2 JACKS WITH SINGLE EXTENSION FLANGE L= 425	RSM120330
		RSM120022	REAR 2 JACKS DOUBLE EXTENSION WITHOUT FLANGE L= 341	
	KIT ALKO 250/290 WITH FIAT CHASSIS	RSM120022	FRONT 2 JACKS DOUBLE EXTENSION WITHOUT FLANGE L= 341	RSM120032
		RSM120005	REAR 2 JACKS DOUBLE EXTENSION WITHOUT FLANGE L= 318	
	KIT ALKO HYMER (MERCEDES)	RSM120022	FRONT 2 JACKS DOUBLE EXTENSION WITHOUT FLANGE L= 341	RSM120122
		RSM120022	REAR 2 JACKS DOUBLE EXTENSION WITHOUT FLANGE L= 341	
	KIT MERCEDES ALKO TWIN 2020	RSM120023	FRONT 2 JACKS WITH DOUBLE EXTENSION FLANGE L= 341	RSM120308
		RSM120005	REAR 2 JACKS WITH DOUBLE EXTENSION FLANGE L= 318	
	KIT ALKO LC (LOWERED)	RSM120022	FRONT 2 JACKS DOUBLE EXTENSION WITHOUT FLANGE L= 341	RSM120032
		RSM120093	REAR 2 JACKS WITH DOUBLE EXTENSION FLANGE L= 280	

\*CYLINDERS WITH PLATE DIAM 180

BRAND	CHASSIS	COD. JACKS KIT	JACKS DESCRIPTION	COD. BRAKETS KIT
DUCATO	KIT FIAT DUCATO 250/290 WITH FIAT CHASSIS	RSM120022	FRONT 2 JACKS DOUBLE EXTENSION WITHOUT FLANGE L= 341	RSM120031
		RSM120005	REAR 2 JACKS WITH DOUBLE EXTENSION FLANGE L= 318	
	KIT FIAT DUCATO VAN	RSM120022	FRONT 2 JACKS DOUBLE EXTENSION WITHOUT FLANGE L= 341	RSM120236
		RSM120005	REAR 2 JACKS WITH DOUBLE EXTENSION FLANGE L= 318	
	KIT PER VAN WITH LOWERED CHASSIS	RSM120093	FRONT 2 JACKS WITH DOUBLE EXTENSION FLANGE L= 280	RSM120031
		RSM120093	REAR 2 JACKS WITH DOUBLE EXTENSION FLANGE L= 280	
MERCEDES	KIT MERCEDES SPRINTER	RSM120013	FRONT 2 JACKS WITH SINGLE EXTENSION FLANGE L= 465	RSM120034
		RSM120008	REAR 2 JACKS WITH SINGLE EXTENSION FLANGE L= 425	
	KIT MERCEDES 60 QT	RSM120013	FRONT 2 JACKS WITH SINGLE EXTENSION FLANGE L= 465	RSM120034
		RSM120013	POSTERIORI NR 2 JACKS WITH SINGLE EXTENSION FLANGE L= 465	
	KIT MERCEDES SPRINTER FROM 2006 ON	RSM120008	FRONT 2 JACKS WITH SINGLE EXTENSION FLANGE L= 425	RSM120034
		RSM120008	REAR 2 JACKS WITH SINGLE EXTENSION FLANGE L= 425	
FORD	KIT FORD SHORT CHASSIS SINGLE WHEEL	RSM120023	FRONT 2 JACKS WITH DOUBLE EXTENSION FLANGE L= 341	RSM120091
		RSM120022	REAR 2 JACKS DOUBLE EXTENSION WITHOUT FLANGE L= 341	
	KIT FORD TWIN WHEELS BEHIND	RSM120023	FRONT 2 JACKS DOPPIO SFILLO C/FLANGIA L= 341	RSM120090
		RSM120005	REAR 2 JACKS WITH DOUBLE EXTENSION FLANGE L= 318	
	KIT FORD LONG CHASSIS SINGLE WHEEL	RSM120023	FRONT 2 JACKS WITH DOUBLE EXTENSION FLANGE L= 341	RSM120089
		RSM120022	REAR 2 JACKS DOUBLE EXTENSION WITHOUT FLANGE L= 341	

CONTROL UNIT KIT 12V	ONE PER EACH KIT	RSM120011.1
EXTERNAL PUMP SUPPORT KIT	OPTIONAL	RSM120015
JACKS' LOWERING CONTROL VALVE	OPTIONAL	RSM110391 ONE PER CYLINDER OR .V VERSIONS OF THE JACKS CODES FOR INTEGRATION (ES. RSM120013.V)





RIPRODOTTA SRI SOCIETÀ DI PROGETTO



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