

1 SERIES

SELF-MOVING COMPACT WHEEL
LOADER, EQUIPPED WITH
MULTIPURPOSE QUICK COUPLER



INSTRUCTION MANUAL



MULTI1**ONE**[®]

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**⚠ WARNING**

BEFORE OPERATING THE MACHINE, THE OPERATOR MUST READ AND UNDERSTAND ALL INSTRUCTIONS OF THIS MANUAL. THE MANUAL MUST BE CAREFULLY KEPT INSIDE THE MACHINE TILL ITS DISMISSION.

Presentation

Dear customer,

We will, first of all, thank you for the confidence you gave us purchasing your new **“Self-moving multipurpose loader MULTIONE 1 Series”**.

We are sure your expectations will be satisfied since the technological level reached by our products and thank to a continuous engagement that stimulates us daily to increase to be able to face the continuous, technological, productive and trade transformations. We are sure we can also face any your future working requirement, we are pleased to remain at your disposal and offer you all our experience and knowledge for the best solution of any your query.

1 DOCUMENT IDENTIFICATION**1.1 Designation**

The following document is called “manual” (later on manual). It has been edited in accordance with the essential requirements of security 1.7.4 of the Enclosure I of the machine Directive 2006/42/CE.

**⚠ ATTENTION**

THIS MANUAL MUST BE ALWAYS AT AUTHORIZED OPERATORS' DISPOSAL AND BE NEARBY THE MACHINE WELL KEPT AND PRESERVED.

THIS MANUAL MUST BE COMPULSORILY DELIVERED TOGETHER WITH THE MACHINE IN CASE IT WILL BE TRANSFERRED TO ANOTHER USER.

WE ADVISE YOU TO COPY OUT THE IDENTIFICATION DATA OF THE DOCUMENT: CODE, ISSUE AND REVISION (SEE COVER) TO REQUEST AGAIN COPY OF THE MANUAL TO THE MANUFACTURER IN CASE OF LOSS OR DETERIORATION OF IT.

THIS MANUAL REFLECTS THE STATE OF THE TECHNOLOGY AND KNOW-HOW AT THE MOMENT OF THE MACHINE MARKETING AND IT CANNOT BE CONSIDERED INADEGUATE ONLY BECAUSE, ACCORDING TO NEW EXPERIENCES, CAN BE UPDATED LATER.

1.2 Identification

The manual is identified though the following data reported in the table on the cover and in annotation:

- Abbreviation of the language.
- Original instructions or translation of them.
- Symbol ISO 7000.
- Identifying code (ID).
- Issue.
- Revision (or revisione date).

	TRANSLATION OF THE ORIGINAL INSTRUCTIONS		
	Code	Issue	Revision
	CM170001EN	01.03.17	03 (11.07.18)

This manual is the **“Translation of original instructions”** identified as follows:

	ISTRUZIONI ORIGINALI		
	Code	Emissione	Revisione
	CM170001	10.01.17	03 (11.07.18)



1.3 Glossary

Term	Definition
Basic machine (later machine)	Self-moving loader equipped with articulated multipurpose frame planned to carry out various functions using interchangeable attachments.
Original interchangeable attachments (later attachment)	According to the article 2, b) of the Machine Directive 2006/42/CE it is a machine specified as: device that after the starting up of a machine or of a tractor, is assembled with the machine or with the tractor by the same authorized operator in order to modify the function or introduce a new function, to the extent that this attachment is not a tool. Produced by the Manufacturer and commercialized by the Manufacturer or by his authorized dealers (see par. 6.3).
Original option (later original)	Accessory produced by the Manufacturer and commercialized by the Manufacturer or his authorized dealers (see par. 6.2).
Compatible attachment	Attachment suitable to be assembled on a specific basic machine (see par. 6.3.1).
Assembly	Attachment assembly onto the basic machine, including the mechanic, hydraulic and electrical (if required) connection.
Authorized dealer (later dealer)	He is a dealer authorized by the Manufacturer who the Customer must address to, for assistance and emergency maintenance or for the purchase of accessories or original interchangeable attachments.

1.4 Abbreviations

ca.	Circa about	N.	Number
Chap.	Chapter	Pag.	Page
PPE	Personal protective equipment	Par.	Paragraph
Right	Right	Pos.	Position
eg.	Example	Ref.	Reference
FIG.	Figure/s	Left	Left
hrs	Time	TAB.	Table
MAX.	Maximum	See	See
MIN.	Minimum	Q.ty	Quantity
min	Minutes	Etc.	Etcetera



1.5 Consultation notes

	<p>Bold type text: It highlights same significant sentences in the text and the references to paragraphs, figures, tables, etc.</p>
	<p>Generic danger sign: It highlights risks for health and security of the authorized operators and or risks of damage and malfunctioning of the machine.</p>
	<p>Generic obligation sign: It points out a rule (obligation to execute an action)</p>
	<p>Generic ban sign or dedicated: It highlights the ban of executing a specific action.</p>
	<p>EX danger sign: It highlights the danger of an explosion in places with explosive atmosphere.</p>
	<p>Crossed waste bin: It highlights the ban of throwing electrical and electronic attachments waste in the garbage bins.</p>
	<p>TO USE THE MACHINE IN SAFETY IT IS COMPULSORY TO READ AND UNDERSTAND THIS MANUAL IN ALL ITS PARTS.</p>
	<p>TO USE IN SAFETY A COMPATIBLE EQUIPEMENT ASSEMBLED WITH THE MACHINE IT IS COMPULSORY TO READ AND UNDERSTAND THIS INSTRUCTION ATTACHMENT MANUAL IN ALL ITS PARTS.</p>
	<p>THE SYMBOL PLACED AT THE BEGINNING OF A CHAPTER POINTS OUT WHO ARE THE AUTHORIZED OPERATORS (SEE PAR. 1.6.1) TO CARRY OUT THE REPORTED INTERVENTIONS.</p>
⚠ DANGER	
	<p>IT HIGHLIGHTS A DANGER WITH A HIGH RISK DEGREE THAT, IF NOT AVOIDED, CAN CAUSE DEATH OR SEVERE INJURIES.</p>
⚠ WARNING	
	<p>IT HIGHLIGHTS A DANGER WITH AN AVERAGE RISK DEGREE THAT, IF NOT AVOIDED, CAN CAUSE DEATH OR SEVERE INJURIES.</p>
⚠ ATTENTION	
	<p>IT HIGHLIGHTS A DANGER WITH A LOW RISK DEGREE THAT, IF NOT AVOIDED CAN CAUSE LIGHT OR NOT SEVERE INJURIES.</p>

1.6 Receivers of the document

This manual is addressed only, to the operators authorized to use and to maintenance of the machine according to the specific technical-professional competences required for the type of intervention.

1.6.1 Authorized operators



⚠ WARNING

AUTHORIZED OPERATORS MUST CARRY OUT ONLY THE INTERVENTIONS OF THEIR SPECIFIC COMPETENCE ON THE MACHINE. THE AUTHORIZED OPERATORS, BEFORE EXECUTING ANY INTERVENTION ON THE MACHINE, MUST MAKE SURE OF BEING IN FULL POSSESSION OF THEIR PSYCO-PHYSICAL FACULTIES, THAT TO GUARANTEE ALWAYS THE OBSERVANCE OF THE SAFETY CONDITIONS.

	<p>OPERATOR IN CHARGE He is a professionally trained operator who, in full obedience of the legislation in force in the country of use, is qualified to the driving of the machine and to carry out only:</p> <ul style="list-style-type: none"> • The regulations. • The normal use. • The normal maintenance. <p>All the operations must be executed in the absolute observance of the instructions reported in this manual.</p>
	<p>OPERATOR ASSIGNED TO HANDLING He is a professionally trained operator, who has completed 18 years, in full obedience of the legislation in force in the country of use, to ensure safe transport and handling of the machine and/or parts of it, using the hand signals reported by the European Directive 92/58 EEC.</p>
	<p>AUTHORIZED TECHNICIAN He is a qualified technician, placed at disposal by the dealer, who has got a specific knowledge of the machine and he is qualified to carry out the requires technical assistance, normal and extraordinary maintenance and/or operations not reported in this manual.</p>

TAB. 1

1.7 Warranty

As regards the warranty conditions see il **par. 11.2**.

If found that the parties do not intend to submit the controversies rising from the supply contract, to an arbitral judgement or in any other case where it is required the verdict of an organ of the ordinary Court, only the law Court in Vicenza will have territorial jurisdiction.



2 MACHINE IDENTIFICATION**2.1 Copy of CE accordance statement**

CE ACCORDANCE STATEMENT		
Manufacturer	 MULTIONE SRL SOCIETÀ UNIPERSONALE via Palù, 6/8 36040 Grumolo Delle Abbadesse (VI) Italy Tel. +39 0444 264600 info@multione-csf.com Fax +39 0444 389260 www.multione.com	
We declare that the machine is so identified		
Name	Self-propelled multipurpose loader with articulated chassis "MULTIONE"	
Model	M1 1.1	
Serial number	
It is conform to the instructions of the following directives		
2006/42/CE	Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast)	
2014/30/EU	Directive of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast).	
2000/14/CE	Directive 2000/14/EC of the European Parliament and of the Council of 8 May 2000 on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors	
	Notified organisation	VERICERT SRL - Certificazioni e Verifiche Via S. Cavina n. 19 - 48100 Ravenna - Italy NOTIFIED ORGANISATION N. 1878
	Evaluation procedure	Internal control of production with assessment of technical documentation and periodical checking procedure referred to in Annex VI
	Guaranteed sound power level (LWA)	100 dB
	Sound power level measured (LWA)	97 dB
	Net installed power	6,7 kW @ 3600 rpm
Test engine rpm	1800 rpm	
Main regulations harmonized among those applied		
EN 12100-1-2:2003 / A1:2009	Safety of machinery. Basic concepts, general principles for design	
EN 474-1:2006 / A1:2009	Earth-moving machinery - Safety - Part 1: General requirements	
EN 474-3:2006 / A1:2009	Earth-moving machinery - Safety - Part 3: Requirements for loaders	
Person authorized to keep updated the Technical Booklet		
Name and roll	Carraro Giuseppe - Technical Manager	
Person authorized to draw up the statement		
Name and roll	Carraro Giuseppe - Technical Manager	
Place	Grumolo delle Abbadesse (VI) Italy	
	Date	
Signature		



2.2 Designation

The machine in question is so named:

Self-moving multipurpose loader Multione - 1 Series - Model M1 1.1

N.B. The model of the machine is reported on the statement CE of conformity and on the marking CE applied to the machine.

3 IMPORTANT INFORMATION ABOUT SAFETY

3.1 General instructions



⚠ DANGER

IT IS COMPULSORY TO CONTROL CONSTANTLY THE PROPER FUNCTIONING OF ALL THE SAFETY DEVICES INSTALLED ON THE MACHINE.

IT IS COMPULSORY TO SUBSTITUTE AT THE RIGHT TIME POSSIBLE AND NOT WORKING WELL AND/OR DAMAGED SAFETY DEVICES.



⚠ DANGER

IT IS FORBIDDEN TO REPLACE ANY SHELTER, SAFETY DEVICE OR ONE OF ITS COMPONENTS WITH NON ORIGINAL SPARE PARTS.

IT IS FORBIDDEN TO ALTER, EXCLUDE AND/OR REMOVE ANY SHELTER AND SAFETY DEVICE ON THE MACHINE.

3.2 Residual risks

We inform the operator in charge that though the manufacturer has adopted all possible technical structural precautions to make the machine sure, possible residual risks remain. They are described in succession.



⚠ WARNING

THE RESIDUAL RISKS REPORTED IN SUCCESSION CONCERN THE MACHINE WITHOUT ASSEMBLED EQUIPPING. WE REFER TO THE EQUIPPING MANUAL FOR THE DESCRIPTION OF THE RESIDUAL SPECIFIC EQUIPPING RISKS.

THERE IS THE RESIDUAL RISK OF INJURIES IN CONSEQUENCE OF FALL OF OBJECTS OR MATERIAL FROM THE POSSIBLE ATTACHMENT ASSEMBLED TO THE MACHINE. CONSULT THE ASSEMBLED ATTACHMENT MANUAL TO VERIFY THE PRESENCE OF THIS RISK.



⚠ DANGER

TO MINIMIZE THE EXPOSITION TO RESIDUAL RISKS IT IS COMPULSORY TO RESPECT THE SAFETY SIGNS (SEE PAR. 4.10) AND WEAR THE INDIVIDUAL PROTECTION (SEE PAR. 4.12) REPORTED IN THIS MANUAL.



⚠ RESIDUAL RISK N. 1

THERE IS DANGER OF BURN FOR CONTACT IF THE AUTHORIZED OPERATOR GET INTO CONTACT WITH THE HOT PARTS SUCH AS QUICK CONNECTIONS, HYDRAULIC CYLINDERS, HYDRAULIC HOSES, PARTS OF THE ENGINE THAT, OWING TO PROLONGED USE OF THE MACHINE CAN REACH HIGH TEMPERATURES.

IT IS COMPULSORY TO RESPECT THE ASSEMBLY PROCEDURES, ATTACHMENT DISASSEMBLY (SEE CHAP. 8) AND ORDINARY MAINTENANCE PROCEDURES (SEE CHAP. 9) DESCRIBED IN THIS MANUAL.



⚠ RESIDUAL RISK N. 2

THERE IS THE DANGER OF INJURIES OWING TO CONTACT WITH MOBILE PARTS IN MOTION IF THE AUTHORISED OPERATOR DOES NOT RESPECT THE INSTRUCTIONS REPORTED IN THIS MANUAL AND, PARTICULARLY, STRETCHES OUT HIS UPPER LIMBS OUTSIDE THE DRIVING SEAT DURING THE ORDINARY WORKING OF THE MACHINE.

IT IS COMPULSORY TO RESPECT THE PROCEDURES OF ASSEMBLY, DISASSEMBLY OF THE EQUIPPING (SEE CHAP. 8), THE ORDINARY MAINTENANCE PROCEDURES (SEE CHAP. 9) AND THE INSTRUCTIONS FOR A RIGHT POSITION TO ASSUME DURING THE USE (SEE PAR. 8.3.1.1) DESCRIBED IN THIS MANUAL.



⚠ RESIDUAL RISK N. 3

THERE IS THE DANGER OF CRUSHING FOR A POSSIBLE FALL OF THE ATTACHMENT IF THE AUTHORISED OPERATOR DOES NOT RESPECT THE INSTRUCTIONS REPORTED IN THIS MANUAL.

IT IS COMPULSORY TO RESPECT THE EQUIPPING DISASSEMBLY PROCEDURES (**SEE CHAP. 8**) DESCRIBED IN THIS MANUAL.

⚠ RESIDUAL RISK N. 4

THERE IS THE DANGER OF CRUSHING FOR ROLLING OVER OF THE MACHINE IF THE AUTHORISED OPERATOR DOES NOT RESPECT THE INSTRUCTIONS REPORTED IN THIS MANUAL.

IT IS COMPULSORY TO RESPECT THE PROCEDURES OF THE ORDINARY USE OF THE MACHINE (**SEE CHAP. 8**) DESCRIBED IN THIS MANUAL.

⚠ RESIDUAL RISK N. 5

THERE IS THE DANGER OF INJURIES TO HEARING IF THE AUTHORISED OPERATOR DOES NOT RESPECT THE INSTRUCTIONS REPORTED IN THIS MANUAL AND IF HE DOES NOT WEAR ANTI-NOISE HEADPHONES.

IT IS COMPULSORY TO WEAR PERSONAL PROTECTION EQUIPMENTS INDICATED IN THIS MANUAL (**SEE PAR. 4.12**).

3.3 Transport and lifting**⚠ WARNING**

IT IS FORBIDDEN TO LIFT THE MACHINE WITHOUT THE AID OF A PALLET.

THE MACHINE WITH THE ENGINE SWITCHED OFF IS LOCKED IN AN HYDRAULIC WAY AND IT CANNOT BE MOVED.

IT IS FORBIDDEN TO TOW THE SWITCHED OFF MACHINE BY ANY MEAN OF TRANSPORT.



3.4 Manutenzione



⚠ DANGER

ATTENTION TO CARRY OUT THE MAINTENANCE OPERATION ON THE MACHINE: THIS MUST BE IN THE "SAFETY CONDITION" (SEE PAR. 9.2).



⚠ DANGER

IT IS FORBIDDEN TO THE AUTHORISED OPERATORS TO LEAVE UNATTENDED THE MACHINE DURING THE MAINTENANCE OPERATIONS WITHOUT MAKING SURE TO HAVE ARRANGED ANY PRECAUTION SUITABLE TO AVOID TO START ACCIDENTALLY THE MACHINE OR SOME OF ITS PARTS.



⚠ DANGER

DURING ALL MAINTENANCE OPERATIONS THAT SHOULD BE CARRIED OUT ON THE MACHINE WITH ITS LIFTING BOOM IT IS COMPULSORY TO INSERT THE LOCK BRACKET OF THE LIFTING BOOM (SEE PAR. 9.3).



⚠ WARNING

THE AUTHORISED OPERATORS MUST CARRY OUT ONLY THE MAINTENANCE OPERATIONS REQUIRED ACCORDING TO THEIR SPECIFIC PROFESSIONAL COMPETENCE AND ON THE PERMISSION OF THE PERSON IN CHARGE.

LUBRICANT FLUIDS AND POSSIBLE OTHER FLUID COMING FROM MAINTENANCE MUST NOT BE UNLOADEN IN THE ENVIRONMENT. THESE PRODUCTS ARE CONSIDERED POLLUTING AND DANGEROUS AND THEY MUST BE COMPULSORELY TAKEN AWAY CHARGING AUTHORISED COMPANIES QUALIFIED FOR DIFFERENT PRODUCT TYPOLOGIES, IN THE ABSOLUTE RESPECT OF THE REGULATION IN FORCE IN THE COUNTRY WHERE THE MACHINE IS USED.



⚠ ATTENTION

KEEP TO A SCRUPULOUS CLEANING OF THE MACHINE.



4 DESCRIPTION OF THE MACHINE

The machine has been planned and carried out to operate according to the type of attachment assembled in agricultural environment, gardening in the private sector. The machine is provided with a (diesel) engine, that powers a series of hydraulic pumps.

These power an hydraulic circuit at high pressure that enables:

- 1) The three wheels whose the machine is equipped (each is moved by an hydraulic engine).
- 2) A lifting boom (in the front part of the machine).
- 3) The control panel is placed on the driving seat.

The steering wheel acts on the single rear wheel allowing a steering angle equal to zero, this gives the machine extreme manoeuvrability.

4.1 Main parts and their functions

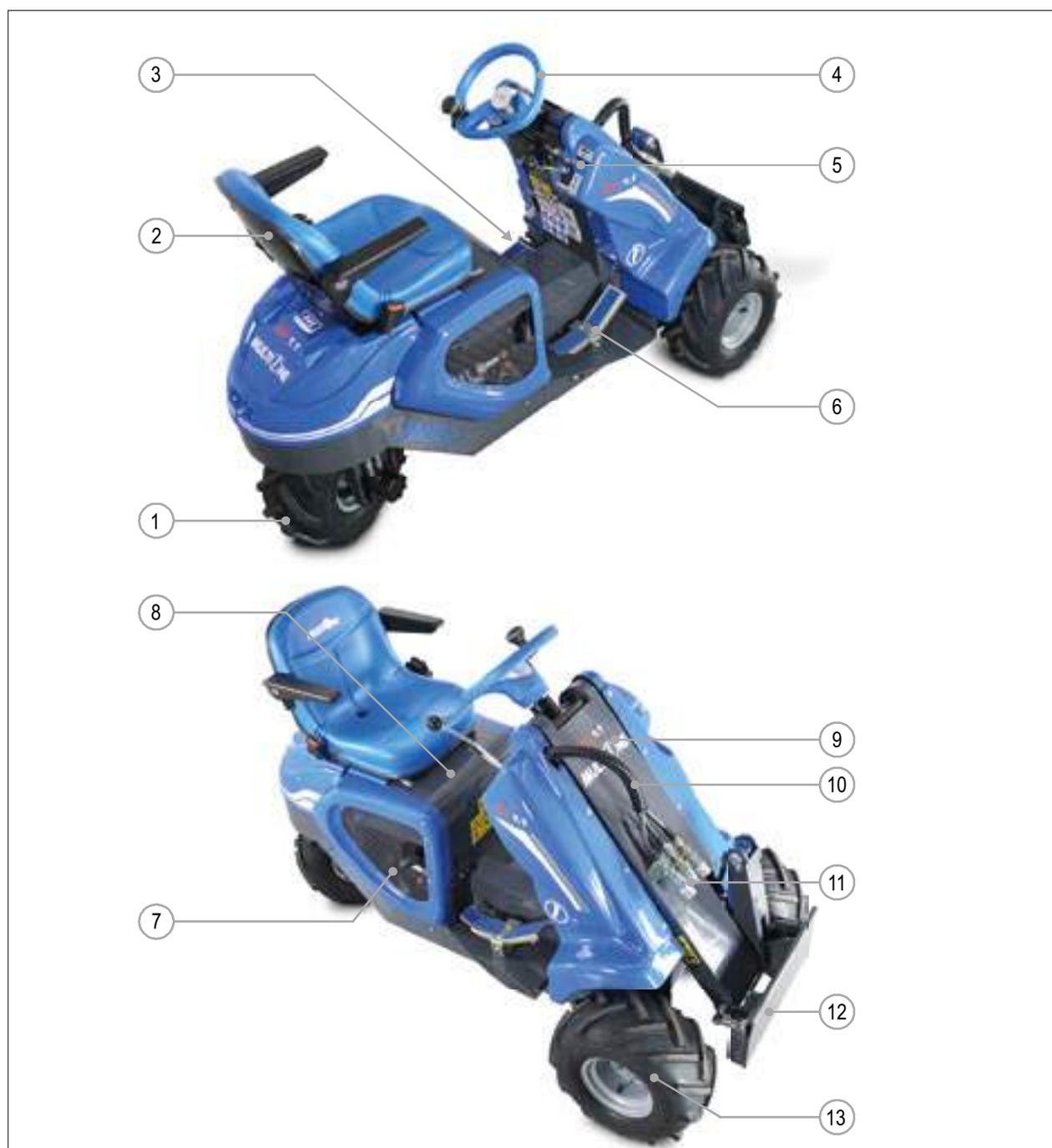


FIG. 1

Ref.	Part	Function
1	Rear wheel	It supports, steers and allows the movement of the machine.
2	Driving seat	It support the operator.
3	Footrest	It supports the left foot.
4	Steering wheel	It allows to change direction while driving.
5	Control panel	It assembles operating controls of the machine and of the possible attachment assembled to the machine.
6	Proportional forward and reverse pedal	It allows the movement of the machine.
7	Engine	It powers the hydraulic pumps.
8	Opening engine space compartment	It protects the engine and prevents the operators in charge to get in touch accidentally with the mobile parts and high parts.
9	Lifting boom	It raises the attachment assembled of the machine.
10	Hydraulic circuit hoses	They allow the passage of the hydraulic oil to power the attachment.
11	Quick rapid connections	They allow the connection to the attachment hydraulic circuit.
12	Quick coupler	It allows the mechanic connection to attachment.
13	Front wheels (n.2)	They support and allow the machine movement.

TAB. 2



4.2 Seats taken by authorised operators

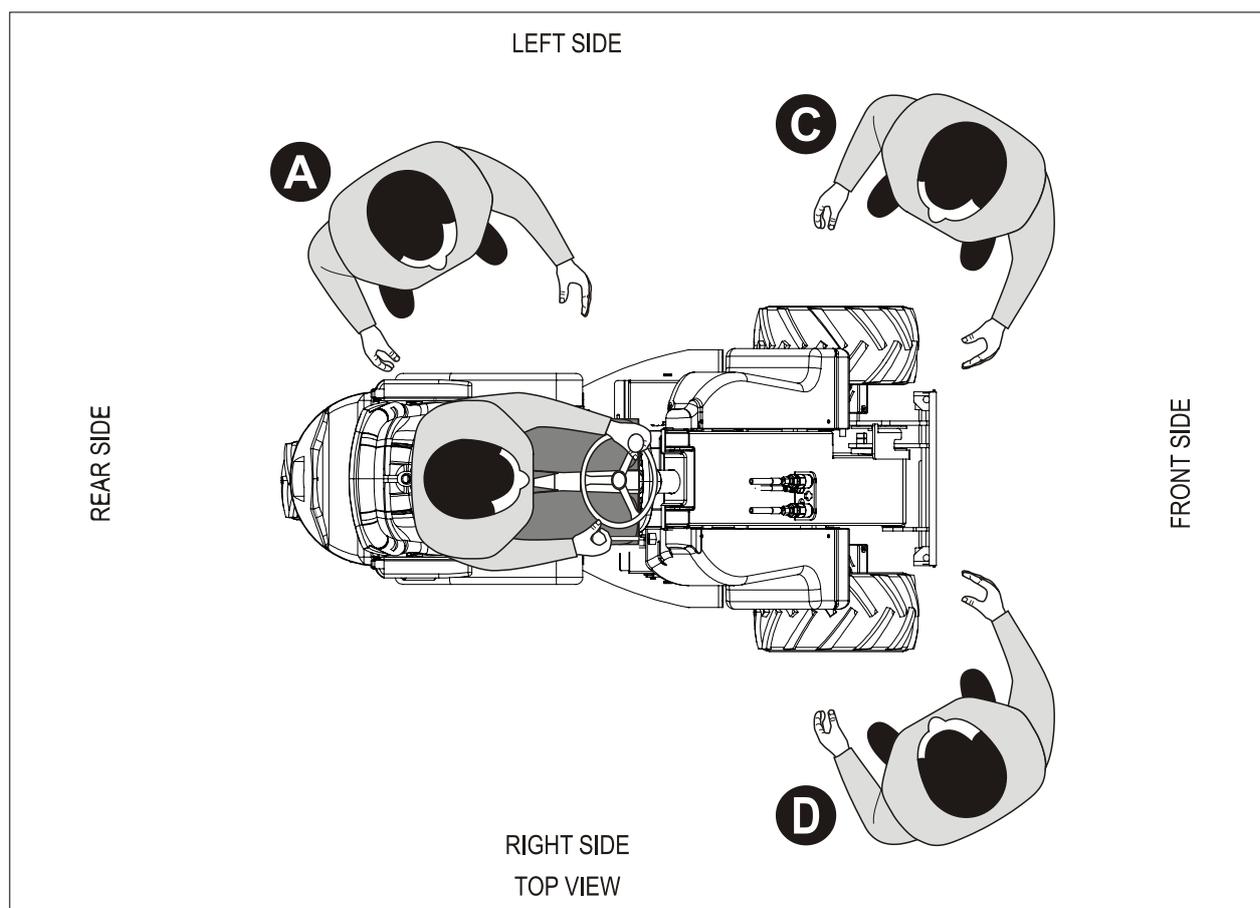


FIG. 2

⚠ DANGER

THE OPERATOR IN CHARGE DURING THE WORKING PHASES MUST REMAIN ON BOARD OF THE MACHINE (SEAT B) AND ONLY WITH THE MACHINE IN "SAFETY STATE" (SEE PAR. 9.2 AND PAR. 9.3) CAN OCCUPY THE OTHER WORKING PLACES SHOWN IN FIG. 2.

Operator in charge	Place	Description of the operation
	A	Standing on the left side of the machine: <ul style="list-style-type: none"> • for the refuelling (see par. 8.3.9); • to operate required maintenance operations on the machine and on the engine (see chap. 9).
	B	Seated at the driving seat in the right position of use during the ordinary working (see par. 8.3).
	C	Standing on the front left side of the machine to carry out the assembly and disassembly of the attachment (see par. 8.3.4 and par. 8.3.5).
	D	Standing on the front right side of the machine to carry out the assembly and disassembly of the attachment (see par. 8.3.4 and par. 8.3.5).

TAB. 3



4.3 Control devices

4.3.1 Control panel

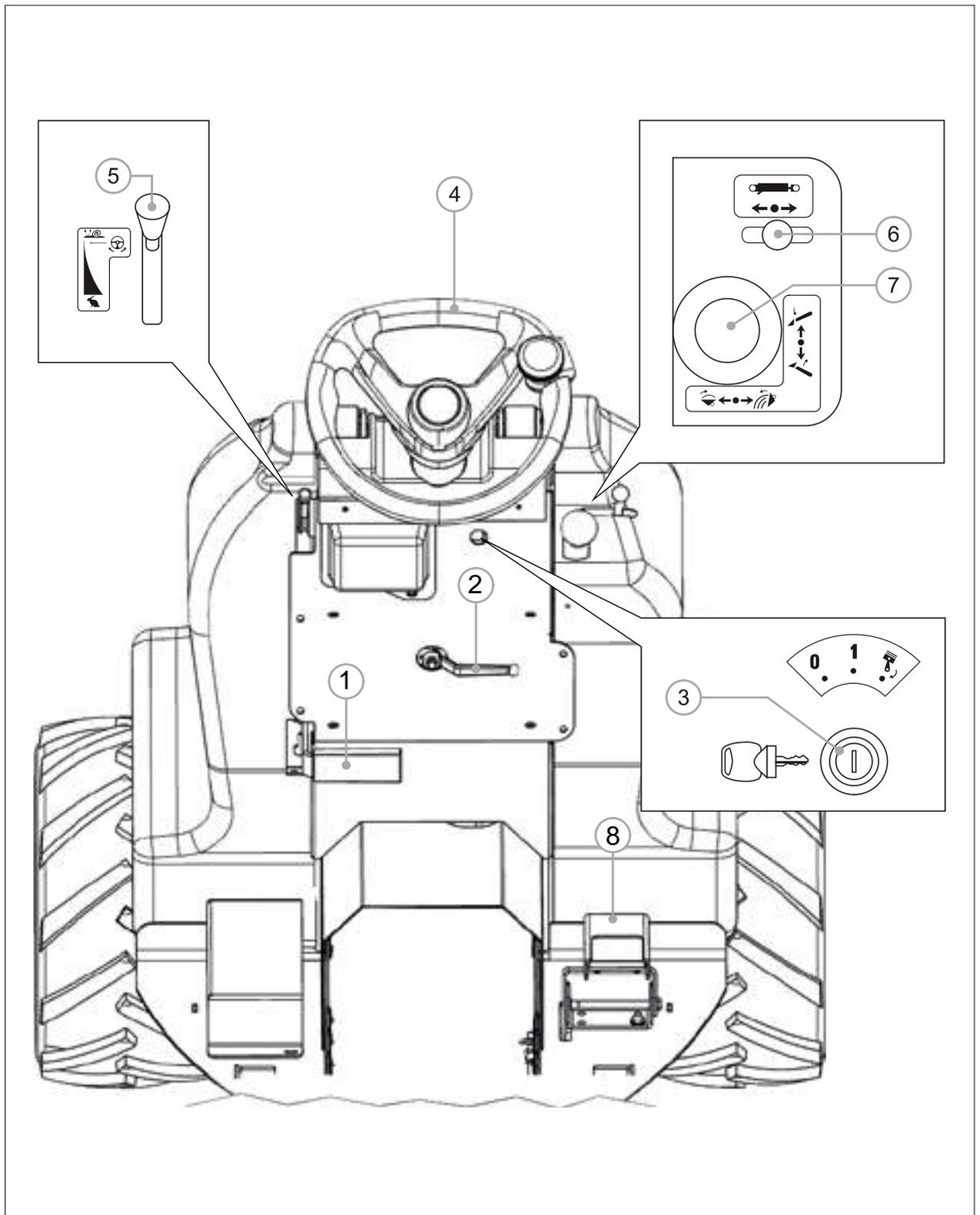


FIG. 3

Ref.	Name	Function	
1	Parking brake lever	It is used to block the machine during the parking and the waiting. The brake is of a Pin Lock type and it operates only on the front wheels. It can be inserted only with the machine stopped. <ul style="list-style-type: none"> • Pos. "Down": brake off. • Pos. "Up to right": brake engaged and blocked. N.B.: the brake is correctly inserted when the noise of the insertion click is heard (see par. 8.3.8).	
2	Control lever DBS (Dynamic Block System)	It allows the wheels to turn all at the same speed or at different speeds. It can be inserted with the machine in motion or stopped. <ul style="list-style-type: none"> • Pos. "Vertical": all the wheels turn at the same speed and the maximum traction is obtained. • Pos. "Horizontal": the wheels are free to turn at different speeds when steering and damaging the work surface is avoided. 	
3	Ignition key	By Key on and turned to the right carries out respectively:	
		 0	• Pos. "0" : machine off.
		 1	• Pos. "1" : electric power supply.
		• Pos. "2" : starting the machine.	
4	Steering wheel	 It allows to change direction during the machine operating. It is compulsory to carry out the steering only when the throttle lever (Ref. 5) is in Pos. "Snail" .	
5	Throttle	It regulates the engine revolutions.	
		 Pos. "Snail" (lever up) : it lowers the engine rpm.	
	 Pos. "Hare" (lever down) : it increases the engine rpm.		
6	Control lever of hydraulic flow of quick hydraulic couplings	 Pos. "right" : it operates and maintains the interchangeable attachment (eg.: maintaining closing forage forks).	
		• Pos. "centre" : turn off the attachment.	
		 Pos. "left" (maintained action) : it reverses the operation of the interchangeable attachment (eg: opening forage forks).	
7	Multifunction lever	It controls the movement of the lifting boom and of the quick coupler.	
		 Pos. "forward" (maintained action) : it lowers the lifting boom.	
		 Pos. "backward" (maintained action) : it raises the lifting boom.	
		 Pos. "right" (maintained action) : it inclines the quick coupler forward.	
	 Pos. "left" (maintained action) : it inclines the quick coupler backward.		

cont.



Ref.	Name	Function
8	Proportional forward and reverse pedal	Operated with the right foot: <ul style="list-style-type: none"> • Pressed "forward" (<i>Right foot</i>): it allows the forward movement of the machine and increases the speed in proportion to the applied pressure produced on the same. • Pressed "backward" (<i>Right foot</i>): It allows the backward movement of the machine and increases the speed in proportion to the applied pressure produced on the same.

TAB. 4

4.4 Safety and protection devices

The safety systems adopted on the machine are the following:

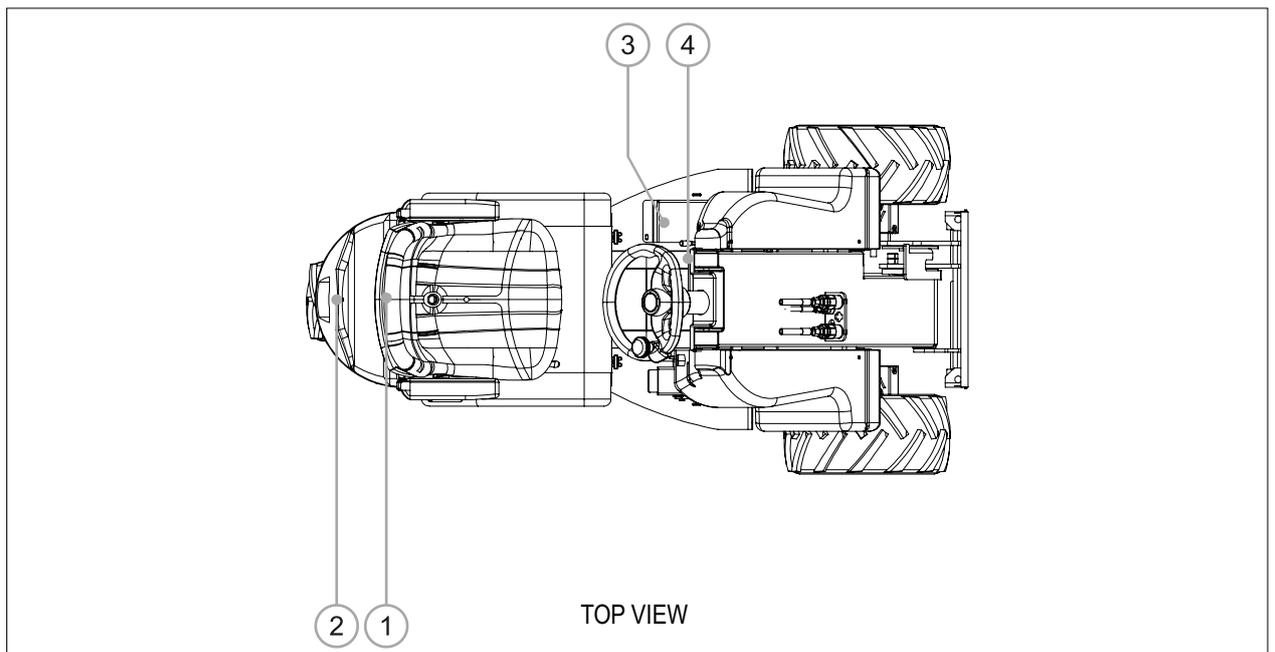


FIG. 4

Ref.	Device	Function
1	Lifting boom block bracket	It allows to block the lifting boom in the raised position to operate maintenance (see par. 9.3).
2	Pressure relief valves	They are hydraulic valves installed in the hydraulic circuit of the machine and serve to ensure that the operating pressures never exceed the expected values (see par. 8.4).
3	Non-slip strip	Placed on footrests avoid slipping of the feet.
4	Parking brake	It locks the machine during the break and parking of this.

TAB. 5

4.5 Intended use

Range of applications	Agriculture, gardening nurseries and gardening.
Location of use	Outside the buildings, in a sufficiently lit place suitable to the laws in the country of use in safety.
Intended use	The intended use is determined by the type of assembled attachment.
Operators in charge of use	Only one authorised operator qualified with the described professional technical requirements (see par. 1.6.1).

TAB. 6



4.6 Use limits and technical data

4.6.1 Machine

MACHINE		M1 1.1
Code		C926005
MAX. length	mm	1864
MAX. width	mm	992
MAX. height	mm	1316
Steering radius	grades	0
MAX. speed	km/h	8
Machine weight without accessories	kg	390
Standard tyres	in	18x9,50-8
Pressure tyres	bar	1,8
Tyre model		Tractor
Oil tank capability	litres	7
Working pressure	bar	200
Type of mineral hydraulic oil		VG46
Hydraulic pumps	N.	2
Hydraulic flow	litres/min	19

TAB. 7

4.6.2 Engine

Fuel		Diesel
Cylinders	N.	1
Cooling		air
Power	kW/HP	8,8/12
MAX. rpm	rpm	3600
Tank capacity	litres	4,7
Battery	Ah	24
Voltage (DC)	V	12
Operating temperature	°C	-10 / +40

TAB. 8

**⚠ WARNING**

FOR FURTHER TECHNICAL DATA REFER TO ENGINE MANUAL ENCLOSED.

**⚠ ATTENTION**

TECHNICAL DATA SUBJECT TO CHANGE WITHOUT NOTICE.



4.7 Load diagram



⚠ DANGER

IT IS FORBIDDEN TO EXCEED THE LOAD CAPACITY OF THE MACHINE (SEE FIG. 5).

The load diagram shown in **FIG. 5** is obtained in accordance with standard ISO 14397-1:2007, and shows the load capacity of the machine in the different position of the lifting boom.

The load diagrams are intended with the machine stopped in the position of maximum steering, placed on solid and flat surface, with 100 kg operator in the driving seat and equipped with tyres Tractor model.



⚠ ATTENTION

MOVING THE LOAD BARYCENTRE DETERMINES THE CHANGE OF LIFTING CAPACITY OF THE MACHINE.

THE LIFTING CAPACITY INDICATED IS COMPREHENSIVE OF THE WEIGHT OF THE ACCESSORY USED, SO THE NET LIFTING CAPACITY IS THE VALUE SHOWN IN THE GRAPHIC MINUS THE ACCESSORY WEIGHT.

WHEN WORKING ON UNEVEN OR SOFT GROUND WITH OBSTACLES IT IS COMPULSORY TO KEEP THE ATTACHMENT AS NEAR AS POSSIBLE TO THE GROUND AND REDUCE THE LOAD UNDER THE MACHINE'S LIFTING CAPACITY. THIS WILL MAKE THE MACHINE MORE STABLE.

The curves shown in the diagram represent the load capacity respectively (from left to right):

- curve n. 1, operator weighing 100 kg, seated in the driving seat and barycentre 0 mm;
- curve n. 2, operator weighing 100 kg, seated in the driving seat and barycentre 500 mm;

It can be noted that during the movement of the lifting boom the barycentre changes compared to the starting position and consequently the load capacity of the machine varies.

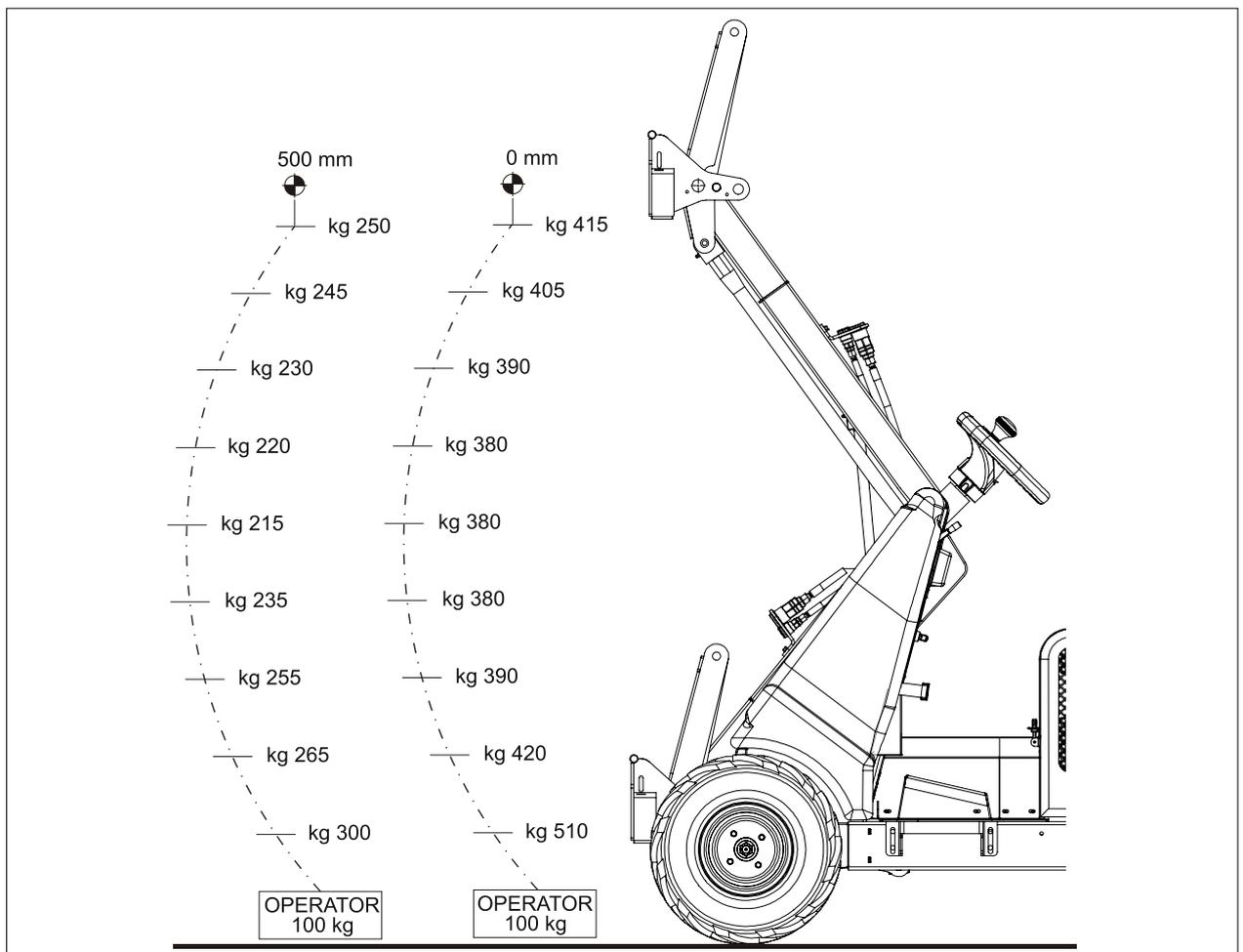


FIG. 5



4.8 Hydraulic flow/engine speed diagram

The diagram in **FIG. 6** represents the trend of hydraulic flow according to the engine's rpm.

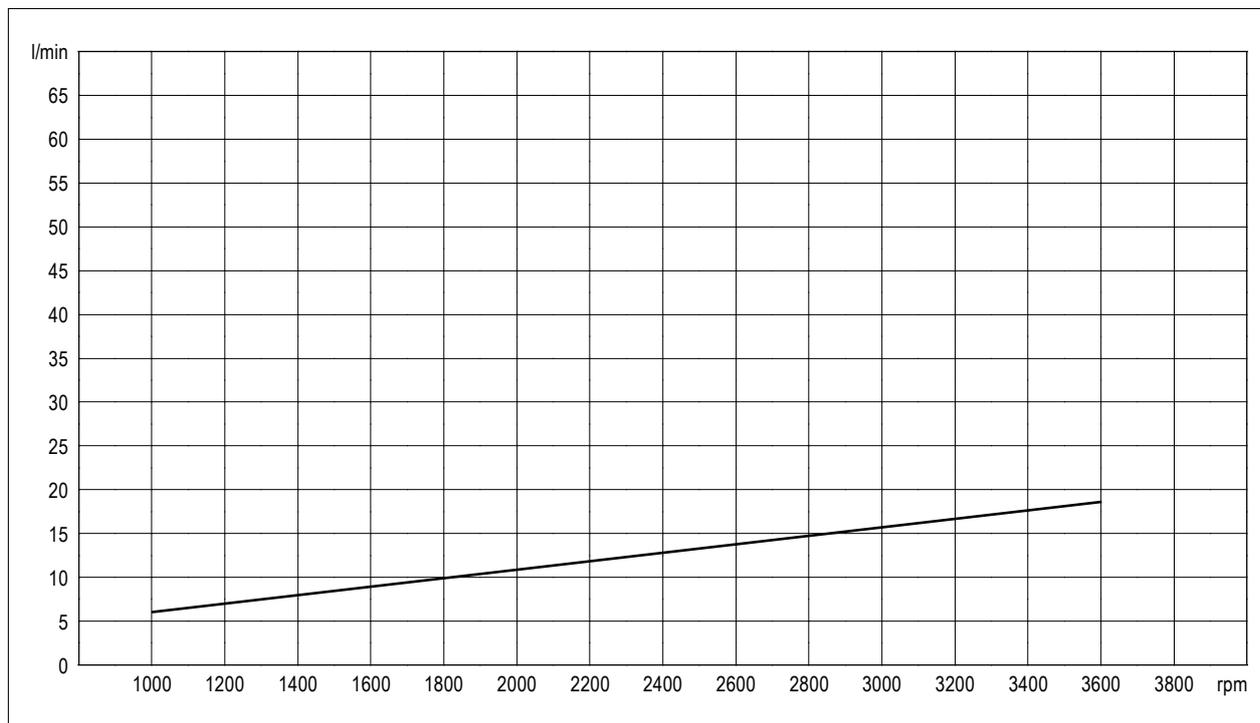


FIG. 6



ATTENTION

CHECK THE MANUAL OF ATTACHMENT USED TO REACH THE CORRECT SETTING.

4.9 Reasonable foreseeable misuse

DANGER

IT'S FORBIDDEN TO TAMPER WITH OR MODIFY IN ANY WAY THE MACHINE.

IT IS FORBIDDEN THE USE OF THE MACHINE FOR MISUSE, DIFFERENT FROM THOSE EXPECTED (SEE PAR. 4.5).

IT IS FORBIDDEN TO ASSEMBLE NON SUITABLE AND/OR NON ORIGINAL ATTACHMENTS TO THE MACHINE (SEE PAR. 6.2 AND PAR. 6.3).

IT IS FORBIDDEN TO USE THE MACHINE TO CARRY AND/OR LIFT PEOPLE OR ANIMALS.

IT IS FORBIDDEN TO MOVE THE MACHINE KEEPING THE LIFTING BOOM, ATTACHMENT AND POSSIBLE LOAD UP.

IT IS FORBIDDEN TO MAKE STEERINGS AT HIGH SPEED.

IT IS FORBIDDEN TO MOVE AND USE THE MACHINE ON SLOPE OR UNSTABLE LAND.

IT IS FORBIDDEN THE USE OF THE MACHINE ON ROAD.

IT IS FORBIDDEN TO LIFT THE MACHINE BY MEANS OF A CRANE AND STRAPS.

IT IS FORBIDDEN TO GET OFF THE MACHINE WITHOUT HAVING TURN ON THE PARKING BRAKE, SWITCHED THE ENGINE OFF, AND REMOVED THE IGNITION KEY.

IT IS FORBIDDEN LEANING FROM THE MACHINE IN MOTION.

IT IS FORBIDDEN TO OPERATE THE CONTROLS OF THE MACHINE FROM A POSITION OTHER THAN THE DRIVING SEAT (SEE PAR. 8.3.3).

IT IS FORBIDDEN TO USE THE LIFTING BOOM TO MOVE ANY OBJECT DIFFERENT FROM THE ATTACHMENT SUPPLIED BY THE MANUFACTURER.





⚠ DANGER

BEFORE PROCEEDING TO USE THE MACHINE MAKE SURE THAT IN THE RADIUS OF TEN METRES THERE ARE NO THINGS, ANIMALS OR PEOPLE WHOSE SAFETY MAY BE AFFECTED ACCIDENTALLY.



⚠ DANGER

IT IS FORBIDDEN TO USE THE MACHINE IN INTERIORS AND WITHOUT VENTILATION AND/OR IN PRESENCE OF FLAMMABLE OR EXPLOSIVE SUBSTANCES.



⚠ WARNING

IT IS FORBIDDEN TO TOW THE MACHINE OFF BY ANY MEAN.



⚠ ATTENTION

IT IS FORBIDDEN TO USE THE MACHINE ON ROAD.



⚠ ATTENTION

THE MANUFACTURER ACCEPTS NO RESPONSABILITY FOR ANY DAMAGE TO PEOPLE, ANIMALS OR THINGS, BY THE INOBSERVANCE OF THE INSTRUCTIONS DESCRIBED IN THIS MANUAL.

4.10 Safety signs

Safety signs is formed by a series of adhesive labels applied on the machine as shown in **FIG. 7** and **FIG. 8**. In the relative tables there are the meanings of individual labels.



⚠ WARNING

IT IS COMPULSORY TO KEEP WELL CLEAN SAFETY SIGN TO GUARANTEE A GOOD VISIBILITY.

IT IS COMPULSORY TO REPLACE DAMAGED SAFETY SIGN, REQUIRING IT TO THE MANUFACTURER AND/OR TO THE AUTHORISED DEALER (SEE CODE WRITTEN ON THE LABEL AND IN **TAB. 9** AND **TAB. 10**).

IT IS ABSOLUTELY FORBIDDEN TO REMOVE AND/OR DAMAGE THE SAFETY SIGNS APPLIED TO THE MACHINE.



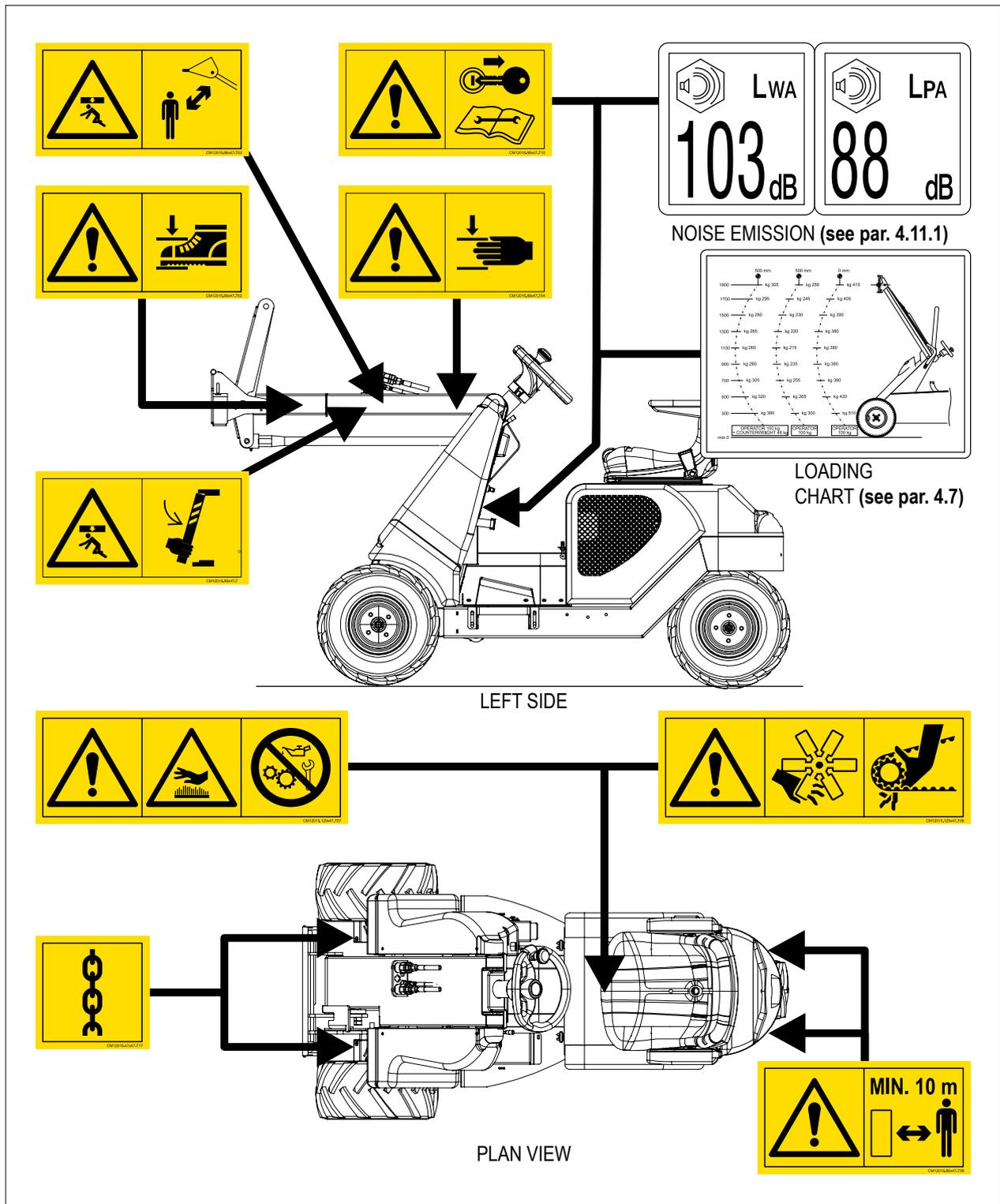
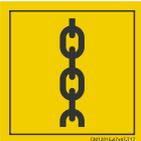


FIG. 7



Sign	Meaning
	<p>ATTACHMENT POINTS They indicate the position of the attachment points of the straps for attachment of the machine during transport on a means of transport. Code: CM12015.47X47.T17</p>
	<p>DANGER OF CRUSHING Accidental fall of the lifting boom. It is compulsory to insert the retention bracket in the lifting boom during the maintenance of the machine (see par. 9.3). Code: CM12015.88X47.T01</p>
	<p>CRUSHING FOOT DANGER Accidental fall of the attachment or accessories. It is compulsory to wear the PPE provided (see par. 4.12). Code: CM12015.88X47.T02</p>
	<p>CRUSHING DANGER Accidental collision with the machine and/or the attachment. It is compulsory to maintain a safe distance of at least 10 metres. Code: CM12015.88X47.T03</p>
	<p>CRUSHING HAND DANGER Accidental fall of the attachment or accessories. The PPE must be worn (see par. 4.12). Code: CM12015.88X47.T04</p>
	<p>DANGER MINIMUM SAFETY DISTANCE Maintain a minimum distance from the machine of 10 metres. Code: CM12015.88X47.T09</p>
	<p>DANGER OF INJURIES TO HANDS Danger of injuries to hands if they come into contact with moving parts in motion. Code: CM12015.129X47.T06</p>
	<p>DANGER OF BURNS AND PROHIBITION OF OPERATIONS WHEN THE ENGINE RUNNING Burn risk to contact hot parts. Code: CM12015.129X47.T07</p>

TAB. 9

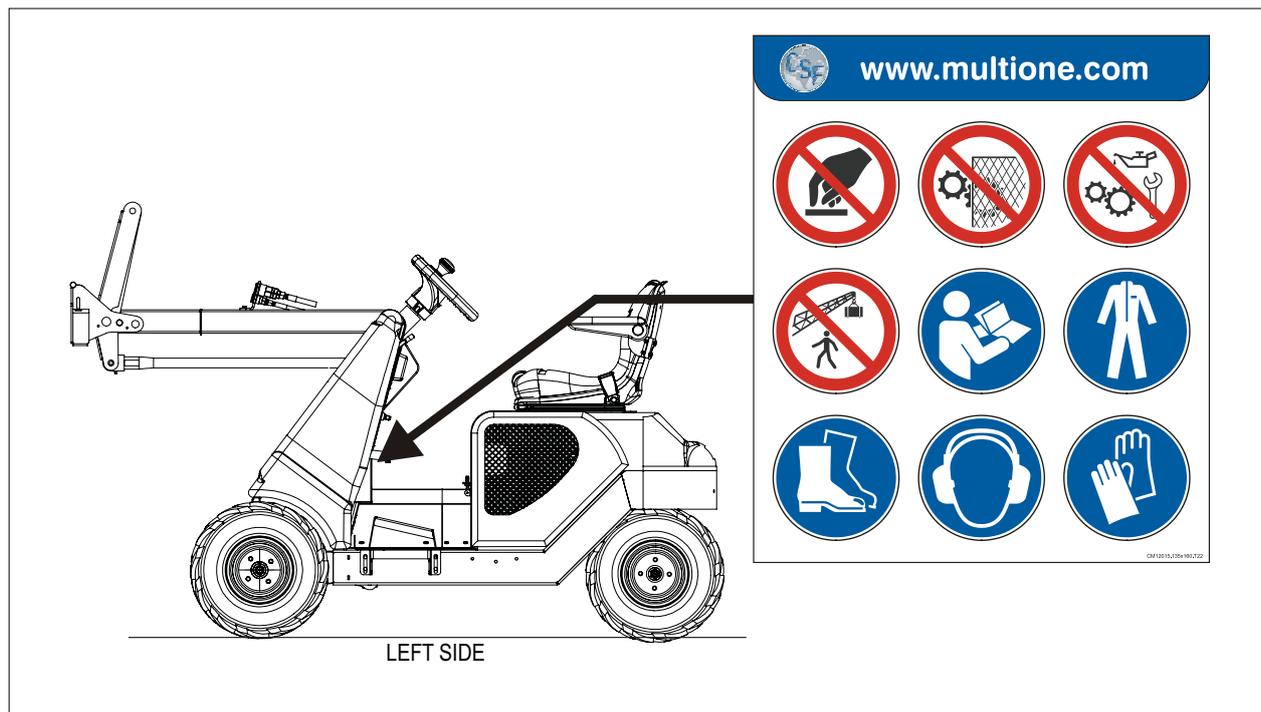


FIG. 8

Sign	Meaning	Sign	Meaning
	IT IS FORBIDDEN TO TOUCH FOR NON AUTHORISED PEOPLE		YOU MUST PROTECT YOUR BODY
	IT IS FORBIDDEN TO REMOVE THE PROTECTION AND SAFETY DEVICES		YOU MUST PROTECT YOUR FEET
	IT IS FORBIDDEN TO CARRY OUT MAINTENANCE OPERATIONS WHEN THE MACHINE RUNNING		YOU MUST PROTECT YOUR HEARING
	IT IS FORBIDDEN TO PASS OR STAY IN THE RANGE OF THE MACHINE		YOU MUST PROTECT YOUR HANDS
	YOU MUST READ THE MANUAL		

TAB. 10



4.11 Emissions

4.11.1 Sound level

The sound level detected by a running machine, without attachment and the following level were noticed.

Engine rpm		1800
Level A - weight emission sound pressure in the operator place (LpA).	db(A)	85
Guaranteed sound power level (LwA).	db(A)	100

(*) as prescribed by the manufacturer for the static test (adjusted in relation to the translation test)

TAB. 11



⚠ WARNING

IT IS COMPULSORY TO USE NOISE-CANCELLING HEADSETS.
THERE IS RESIDUAL RISK N. 5 (SEE PAR. 3.2).

4.11.2 Vibrations

The vibration level has been detected with the machine running and the operator sitting in the driving seat.

Rpm	<i>rpm/min</i>	3600
Vibrations	<i>m/s²</i>	0,5

TAB. 12

4.12 Personal protective equipment

Sign	PPE compulsory for all authorised operators	Sign	PPE compulsory for all authorised operators
	Hand protection (protective gloves from the mechanical risk and the risk of burns).		Face protection (protective mask from mechanical risk). (Only for some attachment if it is indicated on the attachment itself through a special adhesive and on manual.
	Protection of the feet (shoes with reinforced toe and non-slip).		Auditory system protection (anti-noise headsets).
	Body protection (protective clothing from mechanical risk).		Head protection (protective helmet).

TAB. 13



⚠ WARNING

PLEASE REFER TO THE ASSEMBLED ATTACHMENT MANUAL TO MAKE SURE FOR OTHER COMPULSORY PPE.



5 TRANSPORT AND HANDLING

5.1 Transport

Generally the machine is transported to the customer by the Dealer with their own resources or through a “qualified transport company”, that by means of own staff and suitable means for the operation, in compliance with the regulations, provides to guarantee the loading, transport and unloading operations with regard to the type of transport (by land, by sea, by air).

5.2 Lifting

The machine can be lifted in and only if placed on a pallet of appropriate size (110x160 cm MIN.) and using a forklift suitable for use and with adequate capacity.

WARNING



MAKE SURE THAT THE MACHINE IS FIRMLY SECURED ON PALLET BEFORE LIFTING.

IT IS COMPULSORY THAT, DURING THE OPERATIONS, IN THE RANGE OF THE MACHINE THERE ARE NO PEOPLE, ANIMALS AND THINGS WHOSE SAFETY MAY BE AFFECTED ACCIDENTALLY.

5.3 Handling

The machine, only when on, can be moved independently by the three wheels and its controls. If there was need for travel or transfer on public roads the machine can be loaded up on a suitable means (eg. lorry, trailer, etc), suitable for the use and with a sufficient load capacity.



DANGER

IT IS FORBIDDEN TO USE RAMPS OR ANOTHER TO LOAD THE MACHINE ONTO A MEANS OF TRANSPORT. LIFT THE MACHINE ONLY AND EXCLUSIVELY SUPPORTED AND FIXED ON A PALLET USING A FORKLIFT.



WARNING

IT IS COMPULSORY THAT, DURING THE OPERATIONS, IN THE RADIUS OF TEN METRES THERE ARE NO THINGS, ANIMALS OR PEOPLE WHOSE SAFETY MAY BE AFFECTED ACCIDENTALLY.

5.4 Storage

In case the machine must stay unused for long time it is necessary:

- 1) Park it in a secure environment protected from the weather, sunshine and dust and put it in a “safe state” (see par. 9.2).
- 2) Clean the machine.
- 3) Lubricate and grease the joints, levers and grease (see chap. 9).
- 4) Remove and store the battery according to the instructions given on the same.



WARNING

WHEN THE MACHINE IS IN PARK IT IS COMPULSORY TO INSERT THE PARKING BRAKE (SEE PAR. 8.3.8), REMOVE THE IGNITION KEY FROM THE CONTROL PANEL AND STORE IT IN A SAFE PLACE.



6 ASSEMBLY AND INSTALLATION

6.1 Assembly

The machine is supplied by the Manufacturer ready to use without need of any installation or connection.

6.2 Options

On the website www.multione.com it is possible to check the availability of options.



WARNING

THE OPTION INSTALLATION, UNLESS OTHERWISE INDICATED, MUST BE CARRIED OUT BY AN AUTHORISED DEALER AND/OR BY A WORKSHOP AUTHORISED BY THE MANUFACTURER.

LOOK UP THE MANUFACTURER WEBSITE (WWW.MULTIONE.COM) AND YOUR OWN DEALER TO CHECK THE COMPATIBILITY OF THE OPTIONS WITH YOUR MACHINE.



ATTENTION

IT IS FORBIDDEN TO INSTALL NOT ORIGINAL ACCESSORIES ON THE MACHINE.

6.3 Attachments

6.3.1 Available attachments

The machine has been planned to be used with multiple attachments assembled to the quick universal connection plate. You can examine the attachment list on the website: www.multione.com. The list is not reported in this document because the attachments are always continuously updated and expanded. Each attachment purchased directly from the manufacturer or from his authorised dealers it is implicitly authorised to be installed on the machine.



DANGER

IT IS FORBIDDEN TO ASSEMBLE NOT SUITABLE AND NOT ORIGINAL ATTACHMENTS TO THE MACHINE.



WARNING

IT IS COMPULSORY TO ADDRESS THE TRUST DEALER TO MAKE SURE OF THE COMPATIBILITY BETWEEN THE ATTACHMENT AND THE MACHINE.



ATTENTION

THE MANUFACTURER ACCEPTS NO RESPONSABILITY FOR ANY DAMAGE TO PEOPLE, ANIMALS OR THINGS, BY THE INOBSERVANCE OF THE INSTRUCTIONS DESCRIBED IN THIS MANUAL.

6.3.2 Assembly of the attachments

Procedures of assembly and disassembly are described in **chap. 8**.



7 PRE-START INSPECTION



⚠ WARNING

IT IS COMPULSORY, BEFORE THE FIRST STARTING OF THE MACHINE, TO EXECUTE THE FOLLOWING OPERATIONS.

Ref.	Operations
1	Make sure the machine is undamaged in all its parts.
2	Check the integrity of safety system (see par. 9.7.3).
3	Check the engine oil level (see par. 9.8.1).
4	Check the oil level of the hydraulic circuit (see par. 9.7.5).
5	Check the nipples and if necessary provide with greasing (see par. 9.7.8).
6	Get used to the controls and their functions.

TAB. 14

8 OPERATION

8.1 Adjustments

8.1.1 Adjustment of the driving seat

The machine is equipped with a driving seat adjustable longitudinally.

To adjust the position of the driving seat proceed as follows:

- 1) Sit on the seat.
- 2) Pull and hold pulled the lever (FIG. 9 - Ref. 1) placed under the seat on the right side.
- 3) Slide the seat backward or forward until you find a position suitable to your height.
- 4) Release the lever and move slightly the seat until you hear a sound that indicates the block in place of the seat.



⚠ ATTENTION

MODELS OF THE SEAT MAY VARY FROM COUNTRY TO COUNTRY AND IN ACCORDANCE WITH ANY SPECIFICATIONS AND OPTIONS.



FIG. 9



8.2 Checks before ignition



⚠ DANGER

BEFORE USING THE MACHINE IT IS COMPULSORY THAT AUTHORISED OPERATORS READ AND UNDERSTAND ALL PARTS OF THIS MANUAL.

BEFORE TURNING ON THE MACHINE, THE OPERATOR MUST ALWAYS CHECK THE HYDRAULIC OIL LEVEL (**SEE PAR. 8.4.3**).



⚠ WARNING

IT IS COMPULSORY, BEFORE STARTING THE MACHINE, TO EXECUTE THE FOLLOWING CONTROLS.

Ref.	Operations
1	Make sure the machine is undamaged in all its parts.
2	Make sure the safety systems are intact.
3	Check the fuel level.
4	Check the oil engine level (see chap. 9.8.1).
5	Check the oil level of the hydraulic circuit (see chap. 9.7.5).
6	Make sure all controls are in neutral position.
7	Make sure the throttle is POS. "snail" .
8	Make sure the parking brake is on (see par. 8.3.8).
9	Make sure it was carried out routine maintenance.

TAB. 15

8.3 Normal operations



⚠ WARNING

YOU MUST KEEP THE FOOTRESTS CLEAN FROM DEBRIS AND MUD.

8.3.1 Getting on the machine

To get on the machine proceed as follows:

- 1) Place your left foot on the left footrest where there is the non-slip strip.
- 2) Rise and sit on the seat.
- 3) Place your feet on the respective footrest in correspondence with non-slip strips.

8.3.1.1 Correct posture of use

The optimum posture that the operator must assume for a correct use of all the commands is as follows:

- Sitting on the seat with his back against the backrest.
- Facing towards the direction of travel.
- Left hand on the steering wheel.
- Right hand free to operate all other commands.
- Left foot resting on the footrest in correspondence with the non-slip strip.
- Right foot resting on the footrest in correspondence with the non-slip strip ready to operate the proportional forward and reverse pedal.



8.3.2 Starting up

**⚠ DANGER**

BEFORE PROCEEDING TO STARTING OF THE MACHINE MAKE SURE THAT, IN THE RADIUS OF TEN METRES THERE ARE NO THINGS, ANIMALS OR PEOPLE WHOSE SAFETY MAY BE AFFECTED ACCIDENTALLY.

**⚠ WARNING**

BEFORE STARTING THE MACHINE IT IS COMPULSORY TO HAVE CARRIED OUT ALL THE CONTROLS **PAR. 8.2**.

BEFORE STARTING THE MACHINE IT IS COMPULSORY TO CHECK ALL THE COMMANDS ARE IN NEUTRAL POSITION AND THAT THE PARKING BRAKE WAS INSERTED, PARTICULARLY CHECK THAT THE HYDRAULIC FLOW CONTROL LEVER OF QUICK CONNECTIONS (**FIG. 11 - REF. 1**) IS IN "CENTRAL" POSITION (ATTACHMENT OFF).

BEFORE STARTING THE MACHINE MAKE SURE THE SCHEDULED MAINTANANCE WAS CARRIED OUT, PARTICULARLY CLEANING OF THE MACHINE. MAKE SURE THERE ARE NO OBJECTS OR MATERIAL THAT PREVENT THE PROPER DRIVE CONTROL.

**⚠ ATTENTION**

BEFORE USING THE MACHINE, WE ADVISE TO EFFECTUATE SOME "USING TESTS" TO ACQUIRE A GRADUAL MASTERY OF THE FEATURES OF THE MACHINE.

8.3.2.1 Cold engine starting

To start a cold engine proceed as follows:

- 1) Open the engine cover (**see par. 9.4**).
- 2) Rotate clockwise the depressurization valve (**FIG. 10 - Ref. 1**).
- 3) Close the engine cover and get on the machine.
- 4) Place the throttle in the middle position (**FIG. 11 - Ref. 2**).
- 5) Turn the key (**FIG. 11 - Ref. 3**) in **Pos. "2"** for two seconds, if the engine does not start, release the key and try again after a few seconds. When the engine is started, the depressurization valve will reposition itself automatically to the initial position.

8.3.2.2 Hot engine starting

To start a hot engine proceed af follows:

- 1) Place the throttle (**FIG. 11 - Ref. 2**) in the middle position.
- 2) Turn the key (**FIG. 11 - Ref. 3**) in **Pos. "2"** for two seconds, if the engine does not start, release the key and start from step 1).

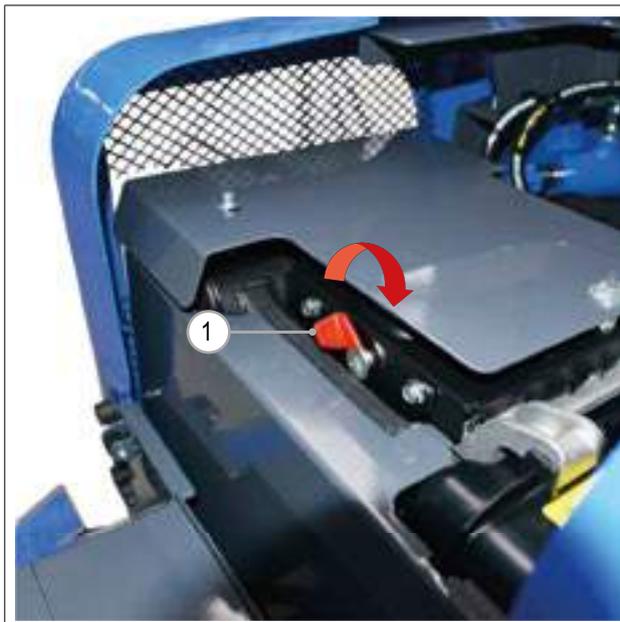


FIG. 10



FIG. 11



8.3.3 Handling

To move the machine proceed as follows:

- 1) Turn on the machine (**see par. 8.3.2**).
- 2) Release the parking brake lever (**see par. 8.3.8**).
- 3) Increase engine rpm by actuating the throttle control lever.
- 4) Press the pedal into the direction of "Forward" o "Reverse".
- 5) Using the steering wheel set the direction of travel.



⚠ DANGER

YOU MUST REDUCE SPEED TO IDLE WHEN MAKING STEERING NOT TO AFFECT THE STABILITY OF THE MACHINE.



⚠ DANGER

IT IS FORBIDDEN TO MOVE THE MACHINE KEEPING LEFT THE LIFTING BOOM, ATTACHMENT AND ANY LOAD.
IT IS FORBIDDEN LEANING FROM THE DRIVING SEAT WHEN THE MACHINE IS MOVING.

8.3.4 Assembly of the attachment



⚠ DANGER

IT IS FORBIDDEN TO ASSEMBLY NON SUITABLE OR NON ORIGINAL ATTACHMENTS TO THE MACHINE.



⚠ WARNING

IT IS COMPULSORY TO READ THE MANUAL OF ATTACHMENT INSTRUCTIONS BEFORE PROCEEDING THE ASSEMBLY, DISASSEMBLY AND USE OF THE ATTACHMENT.



⚠ WARNING

THERE ARE RESIDUAL RISKS N. 1, N. 2 AND N. 3 (**SEE PAR. 3.2**).

8.3.4.1 Mechanical attachment connection

To carry out the assembly of the attachment proceed as follows:

- 1) Make sure the attachment is positioned on firm and level ground.
- 2) Turn on the machine (**see par. 8.3.2**).
- 3) Push the multifunction lever to the right in order to tilt forward the quick coupler (**FIG. 12 - Ref. A**).
- 4) Turn off the machine (**see par. 8.3.7**).
- 5) Get down from the machine and get the workplace **C** (**see par. 4.2**).
- 6) Turn down on the two levers (**FIG. 12 - Ref. 3**) placed on the quick coupler, in order to raise the two hook plugs.
- 7) Get on the machine again and turn it on (**see par. 8.3.2**).
- 8) Moving carefully approach the quick coupler of the machine to the one of the attachment in order to insert the round top profile (**FIG. 12 - Ref. 2**) in the special curved housings of the attachment (**FIG. 12 - Ref. 1**).
- 9) Move slowly the multifunction lever to the left, in this way the quick coupler leans backward and aligns with the quick coupler of the attachment (**FIG. 12 - Ref. C**).
- 10) Switch off the machine (**see par. 8.3.7**) and get down.
- 11) Rotate upwards the two levers (**FIG. 12 - Ref. 5**) in this way the two plugs of the quick coupler are correctly inserted in the fitted seats of the attachment.
- 12) Get on the machine again and turn it on (**see par. 8.3.2**).
- 13) Lift the attachment and lean it forward moving the multifunction lever to the right to check visually the two plugs (**FIG. 12 - Ref. 6**) of coupling are correctly inserted in the fitted seats of the attachment. If not, relocate the attachment on the ground and repeat the procedure from step 3).



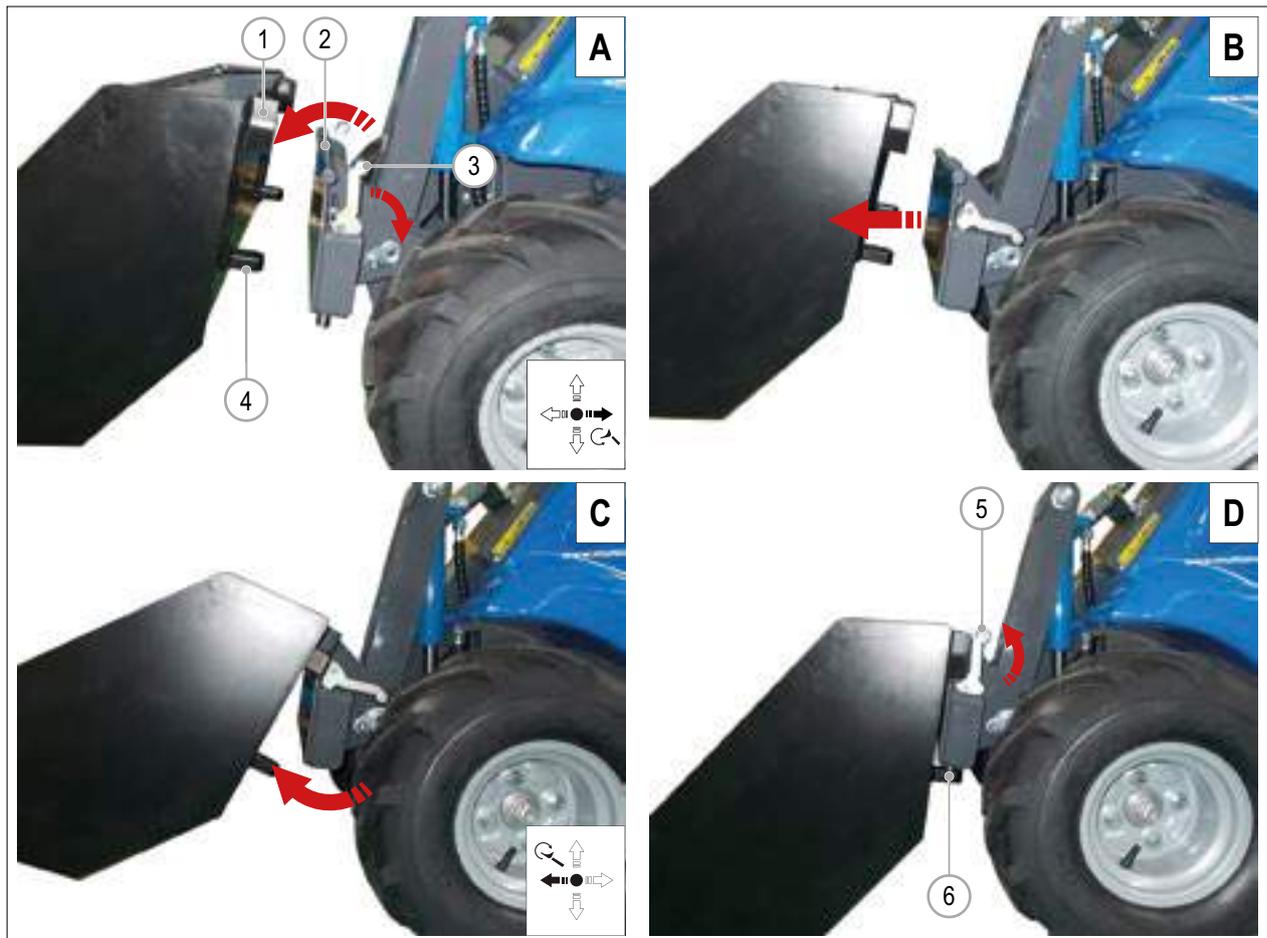


FIG. 12

8.3.4.2 Hydraulic connection of the attachment (if necessary)

⚠ DANGER

IT IS FORBIDDEN TO CARRY OUT THE CONNECTION OF THE HYDRAULIC HOSES WHEN THE ENGINE OF THE MACHINE IS WORKING UNTIL YOU HAVE RELEASED THE RESIDUAL PRESSURE OF THE HYDRAULIC SYSTEM AND HAVE COMPLETED THE PROCEDURE FOR ASSEMBLY.

⚠ WARNING

BEFORE MAKING CONNECTIONS READ THE ATTACHMENT INSTRUCTION MANUAL.

⚠ WARNING

THERE IS RESIDUAL RISK N. 1 (SEE PAR. 3.2).

Before making hydraulic connections between the machine and the attachment (outflow **FIG. 13 - Ref. 1** and inflow **FIG. 13 - Ref. 2**), you need to release the residual pressure in the hydraulic circuit of the machine. To make this proceed as follows:

- 1) Turn off the machine (see par. 8.3.7).
- 2) Operate the control lever (**FIG. 11 - Rif. 1**) of the flow of the quick couplings moving it to the Right and to the Left.



⚠ WARNING



CHECK THE ATTACHMENT MANUAL RESPECT TO THE HYDRAULIC CONNECTIONS.
CONNECTIONS MUST BE CARRIED OUT AFTER MECHANICALLY ATTACHED ATTACHMENT.
ONCE MADE THE CONNECTIONS YOU MUST CHECK THAT THE MOVING PARTS OF THE ATTACHMENT MOVE IN THE CORRECT WAY. IF NOT, YOU MUST REVERSE THE CONNECTION OF HYDRAULIC HOSES.



FIG. 13

8.3.5 Disassembly of the attachment



⚠ WARNING

THERE ARE RESIDUAL RISKS N. 1, N. 2 AND N. 3 (SEE PAR. 3.2).

To disassembly the attachment proceed as follows:

- 1) Place the attachment on firm ground.
- 2) Turn off the machine (see par. 8.3.7).
- 3) Operate the lever of the flow of the quick couplings (FIG. 11 - Rif. 1) moving it to the Right and to the Left to release the residual pressure in the hydraulic circuit.
- 4) Disconnect the hydraulic hoses, if necessary.

⚠ WARNING



CHECK THE ATTACHMENT MANUAL WITH REGARDS TO HYDRAULIC CONNECTIONS.
THE HYDRAULIC HOSES MUST BE DISCONNECTED BEFORE DISASSEMBLYING MECHANICALLY THE ATTACHMENT.

- 5) Rotate down the two levers (FIG. 12 - Ref. 3) from the quick coupler in order to disengage the two plugs.
- 6) Turn on the machine (see par. 8.3.2).
- 7) Move to the right the multifunction lever in order to rotate forward the quick coupler of the machine.
- 8) Move forward the multifunction lever in order to lower the lifting boom and disassembly the attachment.

8.3.6 Use of the attachment

⚠ WARNING



TO USE THE ATTACHMENT PLEASE REFER TO THE INSTRUCTION ATTACHMENT MANUAL.
YOU MUST KEEP THE ATTACHMENT ASSEMBLED TO THE MACHINE MORE CLOSED AS POSSIBLE TO THE GROUND WHEN MOVING.



8.3.7 Turning off the machine

To turn off the machine proceed as follows:

- 1) Stop the machine straight and not turning.
- 2) Lower the lifting boom and/or put the assembled attachment on the ground.
- 3) Set to the MIN. the throttle lever, Pos. "snail".
- 4) Put the key in Pos. "0".
- 5) Insert the parking brake (see par. 8.3.8).
- 6) Release the pressure of the hydraulic system as described at par. 8.3.4.2.
- 7) Put in Pos. "Centre" the hydraulic flow control lever (FIG. 11 - Rif. 1).
- 8) Remove the key from the control panel and store it in a safe place.

8.3.8 Parking brake



⚠ DANGER

IT IS FORBIDDEN TO INSERT THE PARKING BRAKE WHEN THE MACHINE IS NOT STOPPED.

To insert the parking brake proceed as follows:

- 1) Pull the parking brake lever (FIG. 14 - Rif. 1) upward and lock it by pushing it to the right.
- 2) Inserting the brake it is necessary to hear the click insertion.
- 3) Move slightly the machine back and forth to cause the blocking of the wheels.

To disengage the parking brake proceed as follows:

- 1) Unlock the parking brake lever (FIG. 14 - Rif. 2) by moving it to the left and down.
- 2) Move slightly the machine back and forth to cause the unlocking of the wheels.

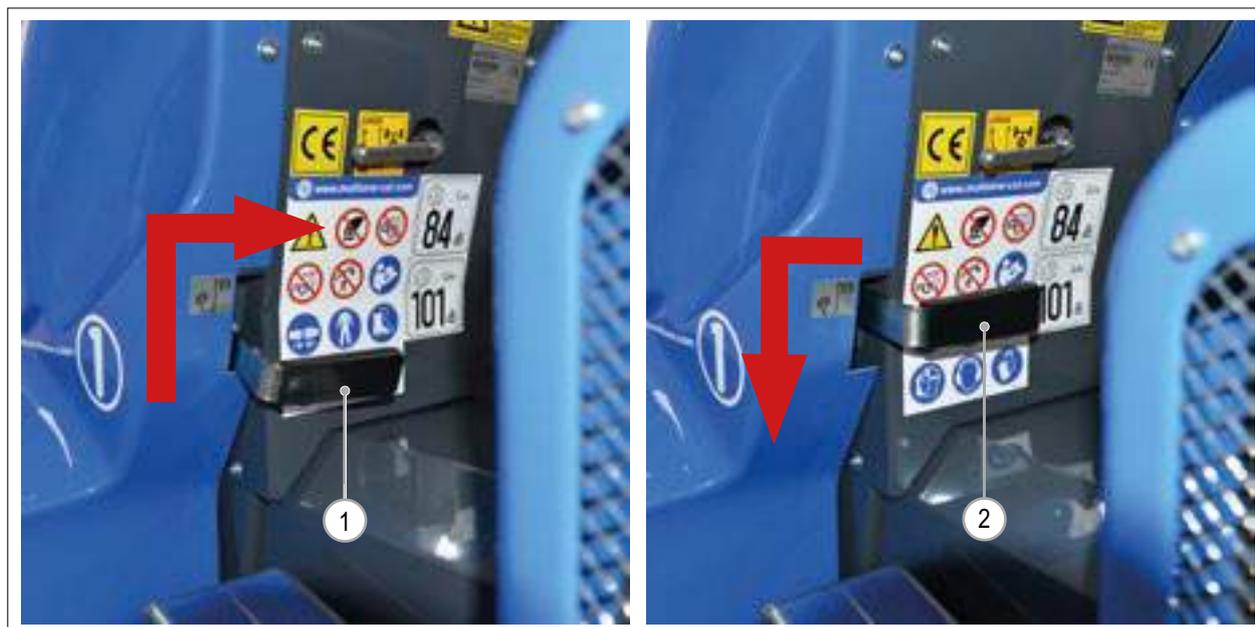


FIG. 14



8.3.9 Refuelling

When it is necessary to refuel proceeding as follows:

- 1) Put the machine in “**safety state**” (see par. 9.2).
- 2) Go onto place **A** (see FIG. 2).
- 3) Open the engine cover (see par. 9.4).
- 4) Unscrew the tank cap (FIG. 15 - Rif. 1) counterclockwise.
- 5) Refuelling, if necessary use a funnel to avoid spilling fuel.
- 6) Completed refuelling screw the fuel cap clockwise.
- 7) Close the engine cover.



⚠ DANGER

IT IS FORBIDDEN TO MAKE REFUELLING OPERATIONS WHILE SMOKING AND/OR NEARBY IN PROXIMITY OF FLAMES. THERE IS FIRE AND/OR EXPLOSION DANGER.



FIG. 15

8.4 Functions/exceptional situations

8.4.1 Instability of the machine

It may happen that by performing a curve at high speed or by lifting a heavy load the machine is to be in a state of instability.

To avoid this situation proceed as follows:

- 1) Steer the machine only at low speed and with the load as close as possible to the ground.
- 2) Do not lift heavy loads by buckets or other attachment for lifting (see par. 4.7).

8.4.2 Overpressure in the hydraulic circuit

The machine is equipped with a system of hydraulic valves that limit the oil pressure within the circuit to avoid any damage. In particular difficulty running it may happen to hear a hissing sound. This indicates that the valves were brought into service. If the condition of effort should go on and this may result in damage so you will need to decrease the stress for the machine by reducing the speed of work and/or the number of the engine rpm.



8.4.3 Loss of control

In case the amount of oil inside the hydraulic circuit decreases considerably due to a fault with relative loss it may happen that the machine enters into neutral and loses the effect of “engine brake” given by the hydraulic circuit. In this condition the control of the machine can be compromised.

To avoid this situation proceed as follows:

- 1) Before any starting check the presence of possible loss.
- 2) Check the hydraulic oil level and if necessary refill (see chap. 9).

⚠ DANGER



IN CASE OF EMERGENCY SITUATION OPERATE THE PARKING BRAKE TO STOP THE MACHINE.

HYDRAULIC OIL UNDER PRESSURE CAN PENETRATE BODY TISSUE CAUSING SERIOUS INJURY AND POSSIBLE DEATH. WHEN TROUBLESHOOTING A HYDRAULIC SYSTEM FOR LEAKS, ALWAYS USE CARDBOARD OR WOOD AS A DETECTOR. DO NOT USE YOUR BARE HANDS.

8.4.4 Block machine with the lifting boom raised

In case of malfunction of the machine with lifting boom raised, it is not safe lower it because there would be a considerable imbalance of the machine. As it is a multifunction machine, the risk of tipping the machine would be relevant and unmanageable.

To return the attachment and the eventual load on the ground proceed as follows:

- 1) Insert the parking brake.
- 2) Remove the key from the control panel.
- 3) Secure the area around the machine.
- 4) Using a special machine (eg. forklift) download the suspended load.
- 5) Lower the lifting boom.

8.4.5 Towing the machine on



⚠ WARNING

IT IS FORBIDDEN TO TOW THE MACHINE OFF BY ANY MEANS OF TRANSPORT.

If the machine remains locked, it is possible to tow it for a short trip (MAX. 20 mt), only if on, by a suitable towing vehicle.

To make this proceed as follows:

- 1) Put the machine in “safety state” (see par. 9.2).
- 2) Connect to the attachment points of the machine (FIG. 16 - Ref. 1) the ropes and/or chains of towing.
- 3) Turn on the machine (see par. 8.3.2) and, as far as possible, facilitate towing operations.



FIG. 16



8.4.6 Jump start

If the machine battery (FIG. 17 - Rif. 1) is disabled it is possible to start the engine using an booster battery and the booster cables (FIG. 17 - Rif. 2) or a booster.



⚠ WARNING

IT IS COMPULSORY TO WEAR GLASSES AND PROTECTIVE GLOVES.
IT IS COMPULSORY TO CHECK IF THE BATTERY AND THE CABLES ARE DAMAGED.
IT IS COMPULSORY THAT THE BOOSTER BATTERY HAS THE SAME VOLTAGE AND AMPERAGE OF THE MACHINE BATTERY.



⚠ DANGER

IT IS FORBIDDEN TO MAKE A JUMP START WHILE SMOKING AND/OR IN PROXIMITY OF FLAMES. DANGER OF FIRE AND/OR EXPLOSION.

Proceed as follows:

- 1) Put the machine in "safety state" (see par. 9.2).
- 2) Open the engine cover (see par. 9.4).
- 3) Connect positive (+) booster cable to disabled machine battery positive(+) post (FIG. 17 - Rif. 3).
- 4) Connect other end of positive(+) booster cable to booster battery positive(+) post (FIG. 17 - Rif. 4).
- 5) Connect negative (-) booster cable to booster battery negative (-) post (FIG. 17 - Rif. 5).
- 6) Connect other end of negative (-) booster cable to a metal part of machine frame or engine, away from battery (FIG. 17 - Rif. 6).
- 7) Make sure the cables do not interfere with mobile parts of the engine.
- 8) Switch on the engine and run machine for several minutes (see par. 8.3.2).
- 9) Once the engine is running disconnect the cables in the reverse order, negative cable first.
- 10) Close the engine cover.



⚠ WARNING

WHEN YOU PROCEED TO DISCONNECT THE BOOSTER CABLES PAY ATTENTION TO THE MOVING PARTS OF THE ENGINE (FAN, BELTS, ETC ...).

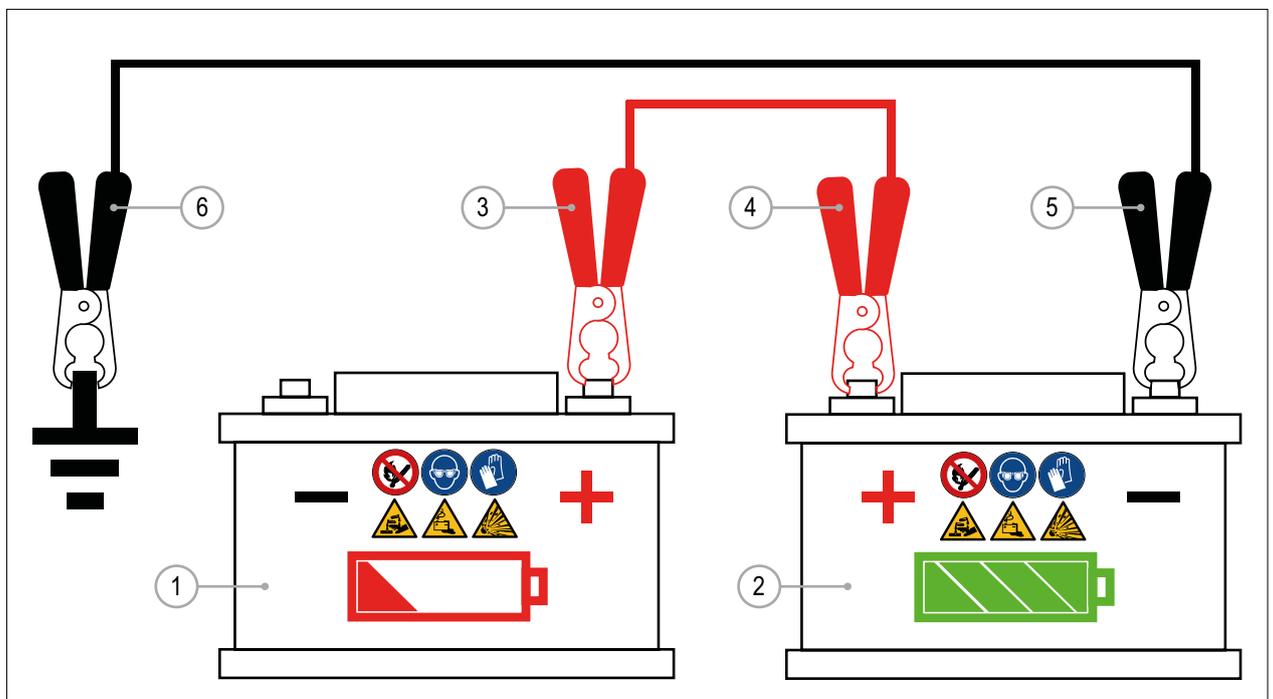


FIG. 17



9 MAINTENANCE

9.1 General warnings

See par. 3.4.

9.2 Safety status of the machine

The machine is in safety state when:

- 1) The machine is stopped not steered on firm and level ground.
- 2) The lifting boom is lowered and the eventual attachment on the ground.
- 3) The engine is off (**see par. 8.3.7**).
- 4) The controls are in the neutral position.
- 5) The parking brake is inserted (**see par. 8.3.8**).
- 6) The key is removed from the control panel and stored in a safe place.

9.3 Installation safety block of the lifting boom

When performing maintenance on the machine and you need to raise the lifting boom it is necessary to insert the retention bracket. Proceed as follows:

- 1) Start on the machine.
- 2) Raise completely the lifting boom.
- 3) Turn off the machine (**see par. 8.3.7**) keeping the lifting boom raised.
- 4) Insert the bracket (**FIG. 18 -Ref. 1**) to block the lifting boom and fix it with the appropriate knob (**FIG. 18 -Ref. 2**).
- 5) Slowly lower the lifting boom to bring the elements of the cylinder in support on the bracket.

9.4 Opening engine cover

To open the cover proceed as follows:

- 1) Move the seat forward.
- 2) Unhook the two mechanical blocks (**FIG. 19 - Ref. 1**) that secure the cover.
- 3) Rotate the cover (**FIG. 19 - Ref. 2**) backward.



FIG. 18

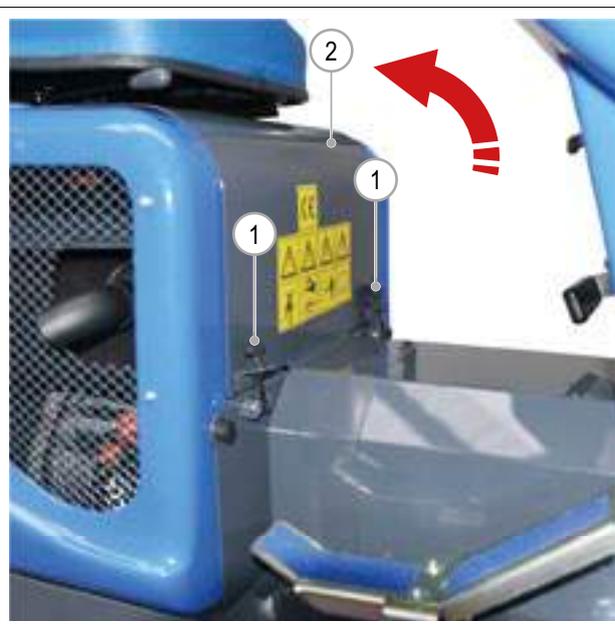


FIG. 19

9.5 Ordinary maintenance

Frequency	Operating point	Type of intervention
Every day	Machine	Cleaning (see par. 9.7.1)
	Joints, levers and lubricators	Greasing (see par. 9.7.8)
	Hydraulic circuit	Oil level check (see par. 9.7.5)
	Air filter	Cleaning (see par. 9.8.2)
Every week	Tyres	Check the pressure (see par. 9.7.2)
	Engine	Oil level check (see par. 9.8.1)
		Air filter cleaning (see par. 9.8.2)
Joints, levers and lubricators	Greasing (see par. 9.7.8)	

TAB. 16

9.6 Scheduled maintenance



⚠ WARNING

PLEASE CONTACT YOUR LOCAL DEALER AND/OR AN AUTHORISED WORKSHOP FOR SCHEDULED MAINTENANCE.

Frequency	Operating point	Type of intervention
After the first 50 hours or first 3 months	Hydraulic circuit	Change the oil filter (see par. 9.7.6)
		Check pressure
		Adjust pressure
	Engine	Change oil
		Replace oil filter
		Replace fuel filter
Bolts, nuts, screws etc.	Check the tightness	
Battery	Check charge	
Every 200 hours or 6 months	Hydraulic circuit	Change the oil filter (see par. 9.7.6)
	Engine	Change oil
		Clean the air filter
Replace fuel filter		
After the first 400 hours or first year	Engine	Check intake and exhaust valves
Every year	Hydraulic circuit	Check pressure
		Adjust pressure
		Change the oil filter (see par. 9.7.6)
	Engine	Change oil
		Change engine oil
		Change fuel filter
Replace oil engine filter		

TAB. 17



9.7 Interventions on the machine

9.7.1 Cleaning of the machine

The cleaning of the machine is essential to ensure reliability and efficiency. The accumulation of dust and dirt can cause malfunctions and damages.

At the end of the workday, especially if the machine is being used in dusty conditions, proceed to clean:

- The outer surfaces of the machine can be washed with a pressure washer and a clean cloth.
- Clean the inside of the cabin with appropriate mild detergent and a clean cloth.



WARNING

IT IS FORBIDDEN TO USE HIGH PRESSURE WATER JETS.

9.7.2 Check tyres pressure

Inflate the tyres to the correct pressure ensures reliability and more safety when using the machine. Before inflating check the integrity of the tyre and wheel, if they are damaged, replace them. The inflation pressure is indicated in **par. 11.1**.



DANGER

NEVER EXCEED THE VALUE OF INFLATION PRESSURE RECOMMENDED ACCORDING TO THE TYRE MODEL.

9.7.3 Check structural integrity and tightening bolts

- Safety belts: check the attachment points and relative bolts are intact and the coupling system is not damaged.
- Bolts wheels: check that the bolts are tightened.

9.7.4 Battery check



WARNING

THE BATTERY ACID IS HIGHLY POISONOUS AND CAN CAUSE BURNS AND IRRITATION. ALWAYS WEAR PERSONAL PROTECTIVE ATTACHMENT (GLOVES, GOGGLES, PROTECTIVE SUIT).

The battery is located inside the engine compartment.

1) Put the machine in “**safety state**” (see **par. 9.2**).

2) Open the engine cover (see **par. 9.4**).

3) Checks:

- The battery (**FIG. 20 - Ref. 1**) is intact and not leaking.
- Check power cable connections for signs of leaking, corrosion, or damage.
- Check to make sure the battery is securely attached to the machine frame.





FIG. 20

9.7.5 Hydraulic oil level

To check the hydraulic oil level proceed as follows:

- 1) Raise the lifting boom.
- 2) Turn off the machine and secure the lifting boom in the upright position with the safety block (see par. 9.3).
- 3) Remove the cap of the hydraulic oil tank (FIG. 21 - Ref. 1).
- 4) Using the dip stick, check the hydraulic fluid level in the tank. The level should be in the normal operating range between 5 and 10 cm from the top of the tank (see FIG. 21).
- 5) If needed, add the appropriate type of hydraulic fluid: **0280 PAKELO HYDRAULIC EP AL ISO 46**.

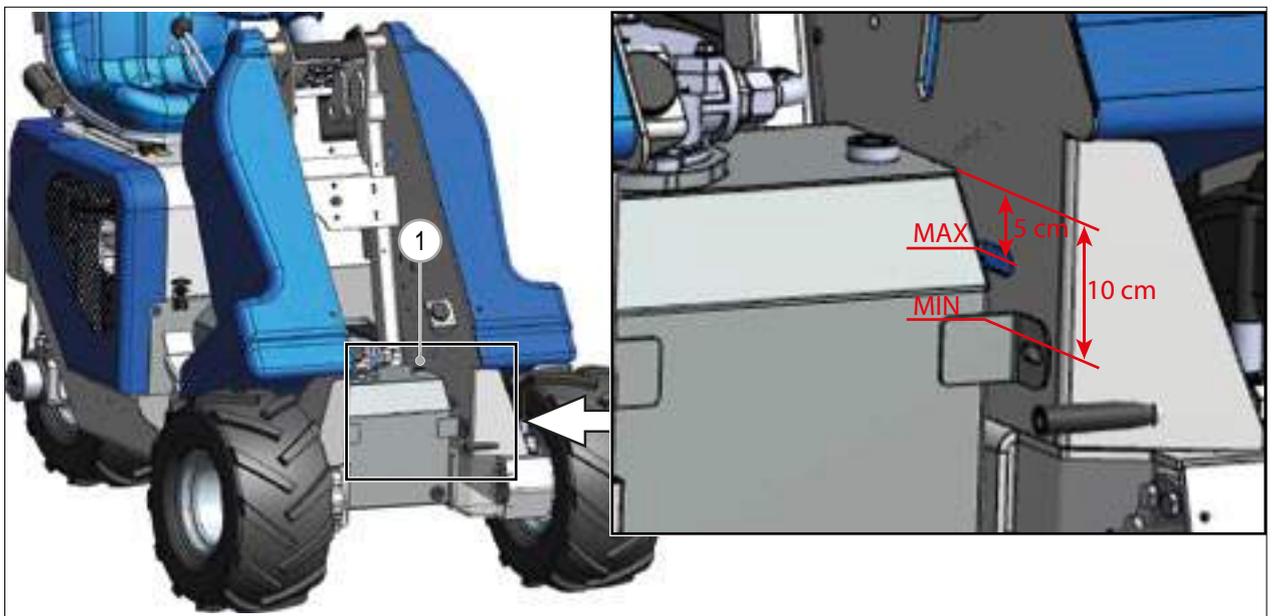


FIG. 21

9.7.6 Hydraulic oil filter change

To change the hydraulic oil filter as follows:

- 1) Raise the lifting boom.
- 2) Turn off the machine and secure the lifting boom in the upright position with the safety block (see par. 9.3).
- 3) Remove the oil filter cover (FIG. 22 - Ref. 2) by loosening the screws that secure it.
- 4) Remove the spring (FIG. 22 - Ref. 4), and the filter element (FIG. 22 - Ref. 5) from the plastic sleeve (FIG. 22 - Ref. 6).
- 5) Replace the filter element with a new original part.
- 6) Reinstall the spring and inspect the filter cover O-ring for any signs of wear or damage. This O-ring is located in a groove at the top of the filter body (FIG. 22 - Ref. 3). Replace the O-ring in case of wear or damage.
- 7) Reinstall the filter cover (FIG. 22 - Ref. 2) and secure it.
- 8) Check the hydraulic oil level and, if needed, proceed to refill (see par. 9.7.5).

⚠ ATTENTION

THE USED FILTER MUST BE DISPOSED OF IN ACCORDANCE TO THE LAWS IN FORCE IN THE COUNTRY WHERE THE MACHINE IS USED.

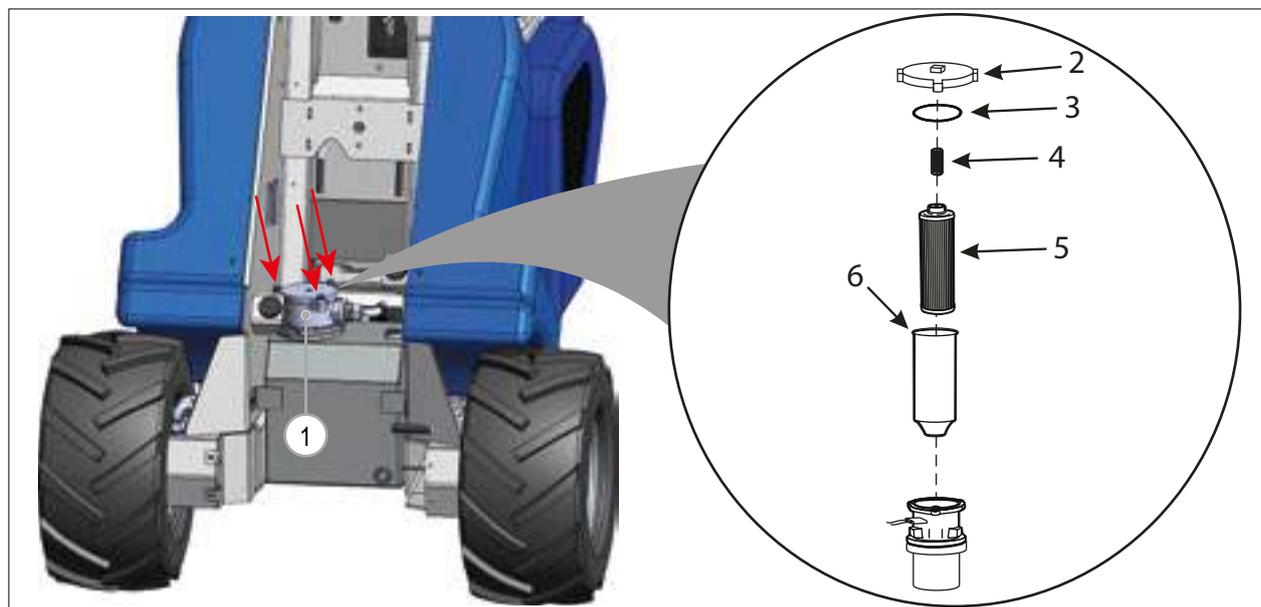


FIG. 22



9.7.7 Hydraulic oil change

To change the hydraulic oil proceed as follows:

- 1) Raise the lifting boom.
- 2) Turn off the machine and secure the lifting boom in the upright position with the safety block (**see par. 9.3**).
- 3) Place under the hydraulic oil tank a suitable sized container with a capacity of at least 15 l.
- 4) Remove the hydraulic tank drain plug (**FIG. 23 - Ref. 1**), located near the left front wheel, and drain all hydraulic oil from the machine into the container.
- 5) When all of the hydraulic fluid has drained out of the tank, reinstall and secure the drain plug. Make sure to inspect the drain plug O-ring (**FIG. 23 - Ref. 2**) for signs of wear or damage. Replace the O-ring if any signs of damage are noted.
- 6) Change the oil filter (**see par. 9.7.6**).
- 7) Remove the cap of hydraulic oil tank.
- 8) Refill the hydraulic oil tank with recommended hydraulic oil - **0280 PAKELO HYDRAULIC EP AL ISO 46**.
- 9) Check the hydraulic oil level (**see par. 9.7.5**).
- 10) Turn on the machine (**see par. 8.3.2**) for a few of minutes, in this way the oil flows inside the circuit oil.
- 11) Turn off the machine (**see par. 8.3.7**).
- 12) Check again the hydraulic oil level (**see par. 9.7.5**).



⚠ ATTENTION

THE USED OIL AND FILTER MUST BE DISPOSED OF IN ACCORDANCE TO THE LAWS IN FORCE IN THE COUNTRY WHERE THE MACHINE IS USED.

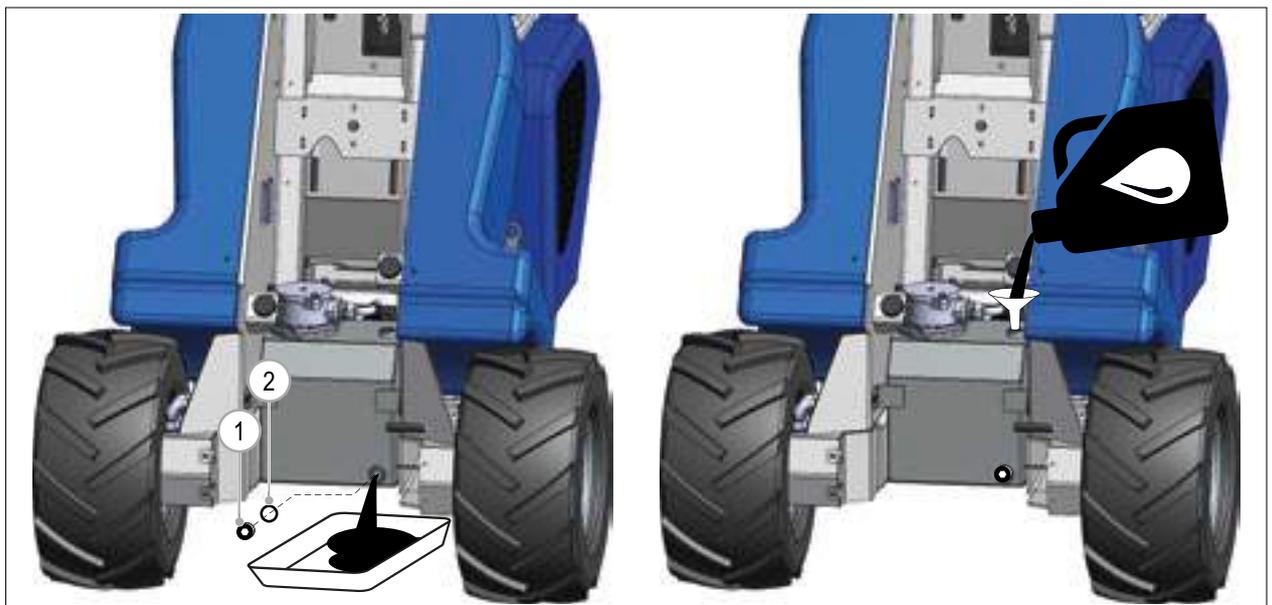


FIG. 23



9.7.8 Greasing points**⚠ DANGER**

IT IS MANDATORY TO INSTALL THE LIFTING BOOM SAFETY BLOCK WHEN PERFORMING MAINTENANCE WITH THE LIFTING BOOM RAISED.

The **FIG. 24** shows the location of greasing points.

Clean the greasing points with a cloth and apply grease type **0088 PAKELO BEARING EP GREASE NLG I 0**.

Remove the rear cover to achieve the greasing points of the steering cylinder.

Remove the front side panels to achieve the greasing points of the plugs of the boom.

The greasing point at the base of the boom lifting cylinder is positioned under the machine.





FIG. 24



9.8 Engine maintenance

⚠ WARNING

SERVICE AND MAINTENANCE INSTRUCTIONS FOR THE ENGINE CAN BE FOUND IN THE ENGINE'S MANUAL SUPPLIED WITH THE MACHINE.

9.8.1 Check engine oil level

The cap of the engine oil filler with dipstick is located both on the right and on the left side. It is advisable to check the oil level using the cap on the right side.

To check the engine oil level proceed as follows:

- 1) Put the machine in "safety state" (see par. 9.2).
- 2) Wait until the engine has cooled down.
- 3) Remove the rear right panel.
- 4) Open the cap of the engine oil filler (FIG. 25 - Ref. 1)
- 5) Look for both the full and add oil lines of dipstick. The correct oil level is between those two lines.
- 6) If the refill is needed, add oil. It is important to add the correct type of engine oil as stated in the engine manual.
- 7) Make sure to reinstall and secure the oil filler cap.
- 8) After filling the oil, wait a few minutes and check the oil level again

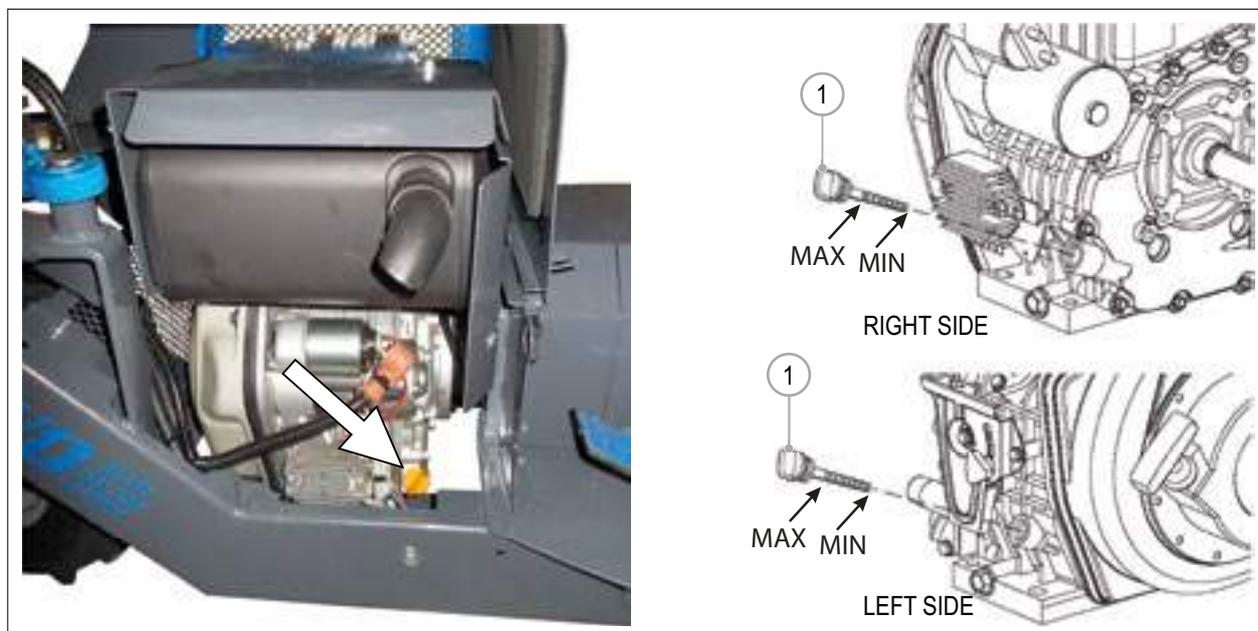


FIG. 25



9.8.2 Air filter check

To check the air filter, proceed as follows:

- 1) Put the machine in “**safety state**” (see par. 9.2).
- 2) Wait until the engine has cooled down.
- 3) Open the engine cover (see par. 9.4).
- 4) Loosen the fastener (FIG. 26 - Ref. 1) that secures the air filter cover.
- 5) Remove the air filter cover (FIG. 26 - Ref. 2).
- 6) Loosen the fastener (FIG. 26 - Ref. 3) that secures the air filter.
- 7) Remove the air filter (FIG. 26 - Ref. 4) and the pre-filter (FIG. 26 - Ref. 5).
- 8) Check the air filter and the pre-filter, if cleaning is needed do it with low pressure air jets or replace with new genuine spare parts.
- 9) Reinstall the air filter (FIG. 26 - Ref. 4) and secure it with the fastener (FIG. 26 - Ref. 3).
- 10) Insert the pre-filter (FIG. 26 - Ref. 5) on the air filter (FIG. 26 - Ref. 4).
- 11) Reinstall the air filter cover (FIG. 26 - Ref. 2) and secure it with the fastener (FIG. 26 - Ref. 1).

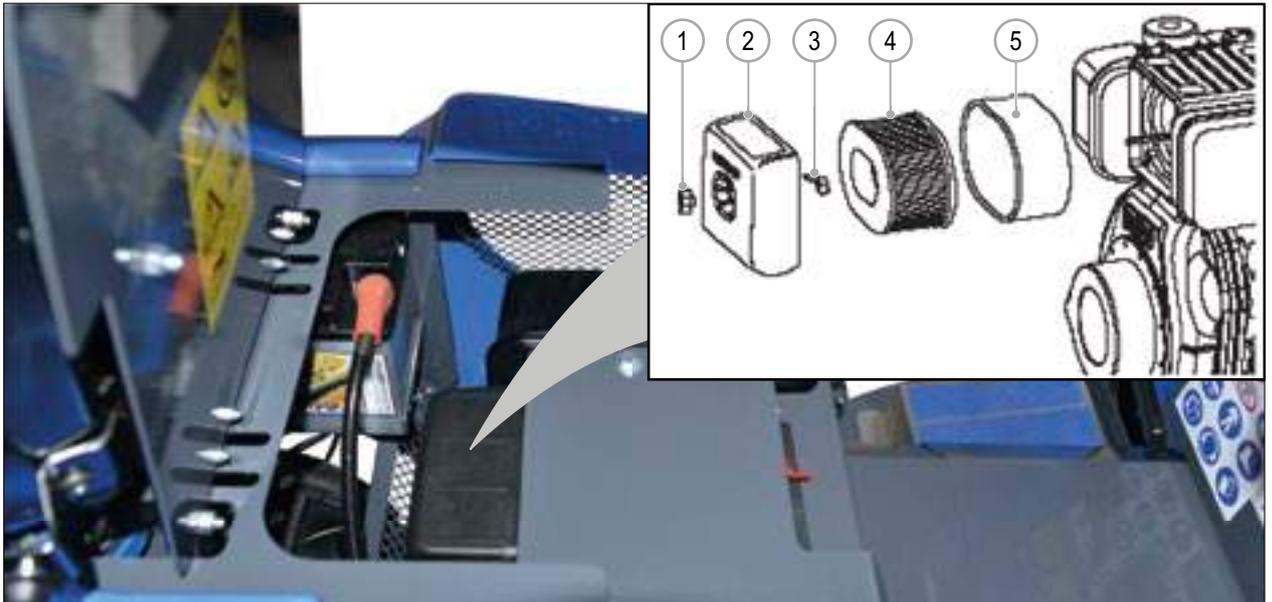


FIG. 26

9.9 Troubleshooting

Problem	Possible cause	Solutions
Engine does not crank	Discharged battery, low battery voltage	Check and charge the battery.
	Blown fuse	Check fuses. If the fuse blows again, find out the cause. Contact service.
	Battery cables poorly connected or disconnected.	Check battery cables and posts, clean and retighten if necessary.
Engine cranks but does not start, or starts and stops immediately	No fuel or wrong type of fuel	Drain the tank and fill the tank with correct type of fuel. Drain water from the fuel filter. Prime the fuel system.
	Engine does not get fuel, clogged fuel filter or fuel line.	Make sure that the fuel hoses and fuel filter are clean and have not been frozen. Replace fuel filter, clean fuel lines.
	Battery discharged or damaged	Charge the battery or replace if damaged.
Engine overheats	Overload	Use attachment at lower engine rpm, check attachment for faults.
The loader does not move even after the parking brake has been released	Low hydraulic charge pressure.	Contact service for pressure check.

TAB. 18

10 SPARE PARTS



⚠ WARNING

THE ORIGINAL PARTS FOR ANY CHANGES MUST BE REQUIRED ONLY TO THE DEALER OR AUTHORISED SERVICE CENTRE, COMMUNICATING MACHINE MODEL, SERIAL NUMBER AND YEAR OF MANUFACTURE.

10.1 Filter code

Type of filter	Model
	M1 1.1
Oil engine filter	C039007
Air cartridge filter	C039150
Hydraulic oil filter	C036601

TAB. 19



11 ANNEX

11.1 Tyres pressure



⚠ WARNING

MANY MODELS AND SIZES OF TYRES CAN BE MOUNTED ON THE MACHINE. THE MAX LOAD OF THE TYRES CHANGES ACCORDING TO THE MODEL, SIZE AND MANUFACTURER. REFER TO YOUR MULTIONE DEALER TO KNOW THE MAX LOAD OF THE TYRES YOU WANT TO MOUNT IN YOUR MACHINE.



⚠ WARNING

ALWAYS CHECK THE DATA IMPRESSED ON THE TYRE (MODEL, SIZE, MANUFACTURER) BEFORE INFLATING.

The table below shows the MAX pressure and the suggested pressure of the tyres according to manufacturer, size and model. Not all tyres listed are compatible with the machines covered by this manual, refer to your dealer MultiOne for compatibility.

Manufacturer	Size	Model	MAX. pressure	Suggested pressure
Kenda	26x12,00-12	Skid	4,4 bar	3,5 bar
Kenda	20x8,00-10	Turf	1,5 bar	1,2 bar
Kenda	20x8,00-10	Tractor	1,5 bar	1,2 bar
Kenda	23x10,50-12	Turf	2,2 bar	1,7 bar
Kenda	26x12,00-12	Turf	3,4 bar	2,7 bar
Kenda	23x8,50-12	Turf	2,3 bar	1,8 bar
Kenda	365x70-18	Skid	3,8 bar	3 bar
Starco	26x12,00-12	Tractor HD	2,1 bar	1,6 bar
Starco	31x15,50-15 (400/50-15)	Tractor HD	3 bar	2,4 bar
Starco	23x10,50-12	Skid/Tractor	2,5 bar	2 bar
Starco	23x8,50-12	Skid/Tractor	3,4 bar	2,7 bar
Trelleborg	26x12,00-12 (320/60-12)	Tractor	2,5 bar	2 bar
Trelleborg	23x8,50-12	Tractor	2,5 bar	2 bar
Trelleborg	21x8,00-10	Tractor	2,5 bar	2 bar
Titan	29x12,50-15	Turf	1,3 bar	1 bar
Mitas	27x8,50-15	Skid	4,2 bar	3,3 bar
Mitas	10,50-18	Skid	3,5 bar	2,8 bar
Mitas	12,50-18	Skid	3,5 bar	2,8 bar
Kingstire	18x9,50-8	Skid/tractor	1,6 bar	1,3 bar
Deestone	27x10,50-15	Skid	5,5 bar	4,4 bar
Starco	240/60-12	Graden Pro	2,4 bar	2 bar

TAB. 20



11.2 Warranty terms

11.2.1 General rules

- The warranty duration is indicated on the table below and starts from the date of delivery to the final user or not later than 18 months from the date of sale by MultiOne SRL.

Model or part	Warranty duration
1 and 2 Series	500 hours or 24 months*
4 and 5 Series	750 hours or 24 months*
Others model	1000 hours or 24 months*
Hydraulic pumps and wheel drive motors (of all models)	1000 hours or 36 months*
(*) whichever reached is the first term	

- MultiOne SRL will repair or replace at its option, free of charge, all proven defects to defective materials or faulty workmanship, without being obliged to pay any compensation for direct or indirect damages or reimbursement of any kind or any nature.

11.2.2 Scheduled maintenance

During the guarantee period, the final user, according to pre-established deadlines must carry out the scheduled maintenance. As regards the period of scheduled maintenance, please refer to the manual.

11.2.3 Exclusion of warranty

They are excluded from warranty:

- Consumable items such as oils, lubricants and filters.
- Electrical system.
- Rubber hoses, tyres, rims, brake, body, frame parts exposed to shocks, parts subject to wear, silencer, battery, buttons, levers, joystick (if available), lights, bulbs, seats, steering wheel, control panel, cylinder seals and all attachments.

Warranty replacement of defective parts will not be free in case of breakage of the piece not due to defects in material or workmanship, but to misuse or improper use of the machine or damage incurred by the request of the purchaser of excessive performance compared to that provided by MultiOne SRL.

11.2.4 Warranty expiration

The warranty is not valid when:

- The purchaser is not in compliance with contractually agreed payments.
- The damage is due to negligence, carelessness, poor maintenance, non-conforming or improper use of the machine.
- It is carried out any repair and/or modification on the machine without the written consent by MultiOne SRL.
- The purchaser sets up to the machine equipments, attachments and related hydraulic arrangements not provided by MultiOne SRL.
- The purchaser sets up to the machine, original equipment not properly maintained in working order to cause damage to the machine.
- Electrical, mechanical and hydraulic modifications not authorised in writing by MultiOne SRL have been carried out.
- Failure to perform scheduled maintenance operations.
- Use of non-original spare parts.
- Use of non suitable fuels, lubricants and solvents that cause damage to the machine.
- Use of the vehicle not conform to the manual.
- Exceptional events.

11.2.1 Notes

- The removal of safety devices, whose the machine is equipped, will invalidate automatically the guarantee and liability by MultiOne SRL.
- If through carelessness and negligence by the purchaser or other event independent by MultiOne SRL, this could not act promptly for repairs immediately after the occurrence of cracks or defects, the purchaser will be responsible for extra burden of breakage or defects resulting from further use of the machine.



- MultiOne SRL decline any liability if, both for ordinary maintenance and in case of any malfunction and/or any breakage of components, the machine could not be used and should verify the “non-production”, including the possible supply of other alternative means, expenses and/or any other cost.
- We also inform you that all data will be treated according to the Legislative Decree n. 196/2003 “Code regarding the protection of personal data” (Consolidated act Privacy).
- In case of non-acceptance of the above conditions the customer may return the machine to the dealer free port within 8 days from the receipt of it, provided it is in like new conditions and without having been used in any way (the use of the machine implies full acceptance of the terms of this warranty). The dealer will arrange for the inspection of the machine and possibly to restore it charging the relative amount.



SERVICES MADE

CUSTOMER:

MODEL:

SERIAL NUMBER:

DATE OF DELIVERY:

DATE	HOURS	REMARKS	STAMP / SIGNATURE
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