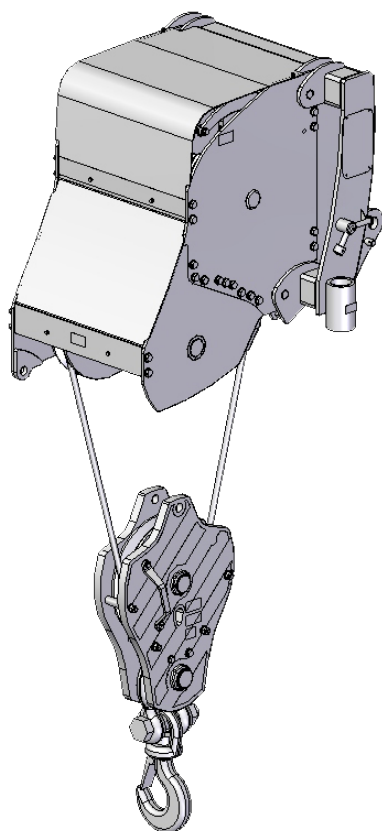


Use and Maintenance Manual for winch with 8000 kg (17637 lbs) capacity. - W 8 -



-- TRANSLATION OF THE ORIGINAL INSTRUCTIONS --

Drafted in accordance with the essential requirement of health and safety 1.7.4 of Annex I to Directive 2006/42/CE

[illegible]

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OWNERSHIP AND MAINTENANCE REGISTER

PREFACE

General information

This Manual has been prepared by the Manufacturer with the intention of providing the operators with the information necessary for using the lifting equipment safely.

This Manual contains all the information necessary for the user.

The operators must use the accessory for the purposes envisaged and identified in this Manual.

The information should be read carefully and strictly applied.

Failure to comply with this information can lead to risk for the health and safety of persons and result in damage to objects.

The documentation must be kept safe in good condition by the equipment user in a suitable place, inside the vehicle cab, so that it is always readily available for consultation.





If lost or damaged, contact the Manufacturer directly for replacement documentation, indicating the Manual code and accessory code.

The Manual reflects the state-of-the-art at the time of release of the product on the market.

The Manufacturer reserves the right to make changes, additions or improvements to the Manual, without however resulting in this publication being considered as inadequate.

All modifications to the documentation are made in a controlled manner, and the different revisions ensure the traceability for association of the Manual to different models of the product released on the market.

Some parts of the text that are considerably important or certain important specifications have been highlighted with the use of certain symbols, the meanings of which are explained below:

- | | |
|--|---|
|  DANGER | Rosso — used to indicate the presence of an imminently dangerous situation which, if not avoided, can cause death or serious injury. |
|  WARNING | Orange — used to indicate the presence of a potentially dangerous situation which, if not avoided, can cause death or serious injury. |
|  CAUTION | Yellow with safety alert symbol — used to indicate the presence of a potentially dangerous situation which, if not avoided, can cause minor or moderate injury. |
|  NOTICE | Blue without safety alert symbol — used to indicate the presence of a potentially dangerous situation which, if not avoided, can cause damage to property. |

Information regarding safety

Correct use of the equipment

NOTICE

The manufacturer demands compliance with the following requirements:

- carefully read the instructions given in this manual;
- personnel involved in any activity should have the technical skills and must be equipped with the professional work tools used in suitable environments;
- those operating on the product should be provided with suitable personal protection equipment, in accordance with the legislation of the country concerned;
- use the equipment only for the purposes envisaged by the Manufacturer. Improper use can be a source of risk for the health and safety of persons and can cause damage to objects;
- for carrying out maintenance in areas that are not easily accessible or are potentially hazardous, provide adequate safety conditions for self and others, in compliance with the legislation in the country concerned, on matters of safety;
- maintenance, inspection and repairs must be carried out solely by a qualified maintenance technician who is aware of the hazard conditions;
- the skilled maintenance technician must always work with utmost care and in strict compliance with the safety standards;
- when using the equipment, the operators must wear professional clothing and/or personal protection equipment, if necessary, indicated in the operating instructions provided by the Manufacturer and those envisaged by the legislation in force in the country concerned on matters of occupational safety;
- replace worn components with genuine spare parts;
- do not dump polluting material in the environment and proceed with disposal in compliance with the legislations on the matter in force in the country concerned.

Improper use of the equipment

CAUTION

The manufacturer declines all responsibilities in the following cases:

- if the product is not used correctly in compliance with the national legislation and/or regulations regarding workplace safety;
- incorrect maintenance, lack of maintenance or failure to comply with the instructions provided in this Manual;
- modifications or tampering;
- use of the equipment by untrained unskilled personnel.

The operating safety depends on strict compliance with the prescriptions in this Manual, especially:

- always work within the limits of use of the product (see rating plate);
- always carry out careful maintenance according to the schedule defined by the manufacturer;
- contact qualified and authorized service centres for carrying out inspections and maintenance;
- use only genuine spare parts.

Assistance

How to request assistance

For all requests for assistance, the customer must contact our Technical Assistance Service or our dealers network directly, indicating the data given on the equipment identification plate and the type of problem encountered.

Spare parts

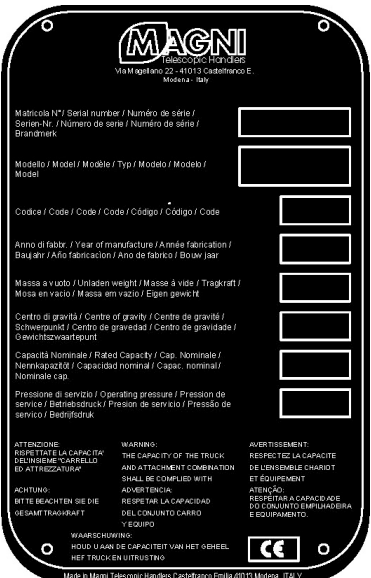
To order spare parts or equipment required, the customer can contact our Technical Assistance Service directly, indicating the equipment model and its Serial No.

IDENTIFICATION ELEMENTS

CE Identification plate

Magni T.H. equipment is designed to provide the Customer high level of simplicity of use and maintenance.

However, before use, the operator must carefully read and gain complete familiarity with the methods of application and use of it and all the aspects concerning safe use as described in this Use and Maintenance Manual.

	<ul style="list-style-type: none"> - serial number - model - product factory code - year of manufacture - weight without load - centre of gravity - rated lifting load - hydraulic operating pressure
--	---

Legibility of the identification plate and functional stickers

The identification plate and the functional stickers must be kept in good condition to ensure that all the data they contain are always legible over time.

If they are damaged and/or no longer legible, even only in part, it is the owner's responsibility to contact the manufacturer for a replacement, indicating the equipment identification data and proceed with replacement.

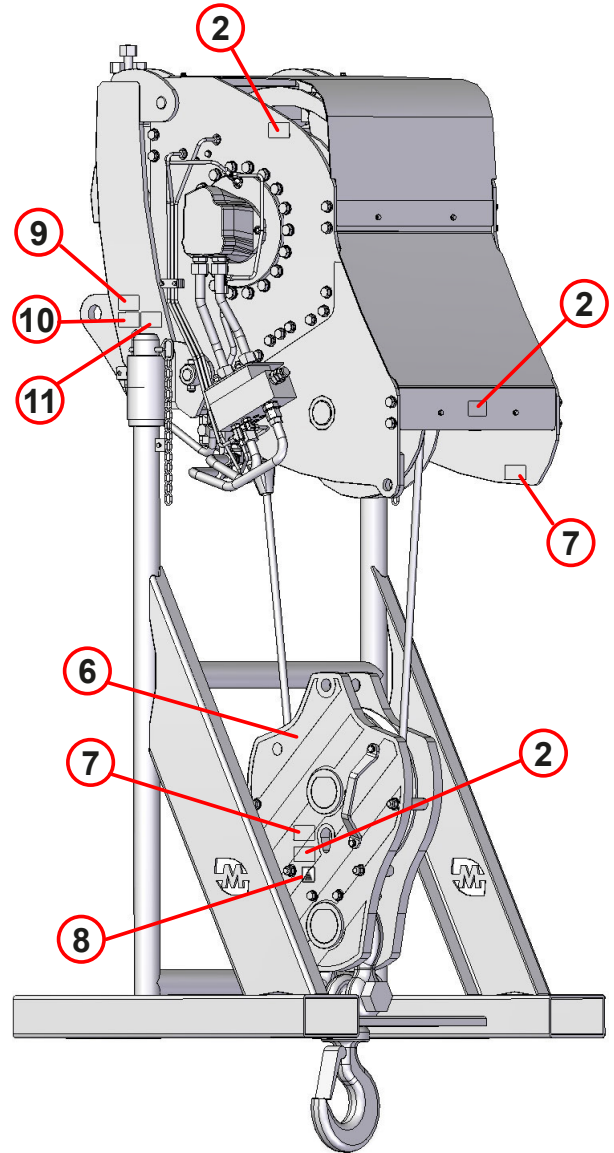
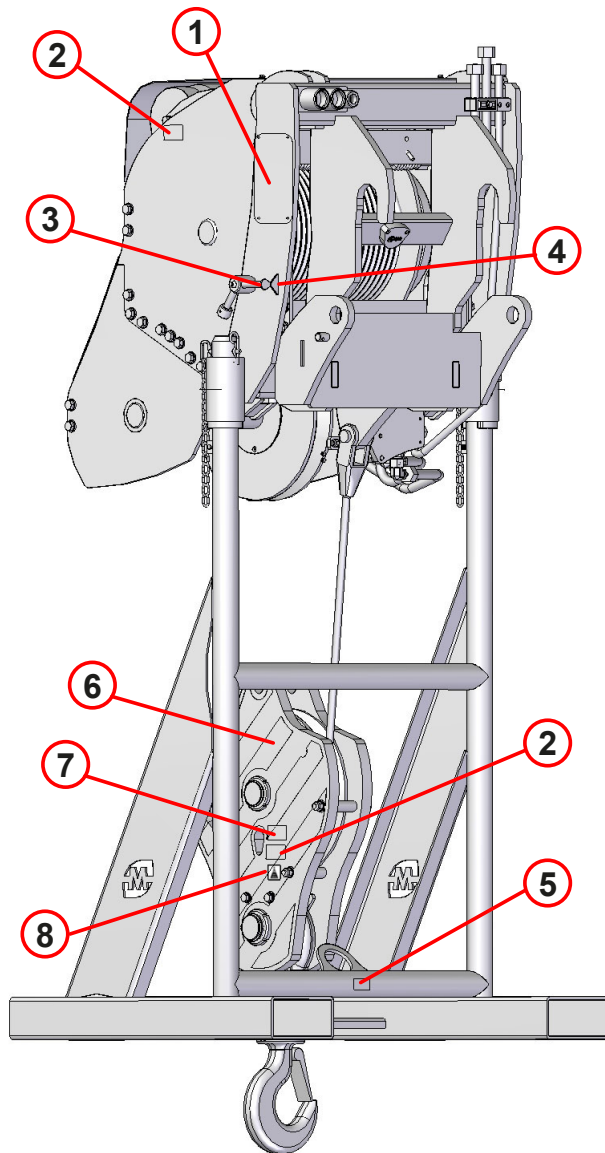
Spare parts



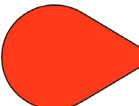








To order spare parts or for all technical information, the customer must always indicate the product code and the relative Serial No. present on the ID plate affixed on the equipment structure.

Requesting assistance

For all requests for assistance, the customer must contact our Technical Assistance Service or our dealers network directly, indicating the data given on the equipment identification plate and the type of problem encountered.

Position of the safety, functional and generic stickers



Ref.	Code	Description	Pictogram
1	08163	CE plate	
2	03441	Sticker indicating a danger of crushing hands	
3	04098	Sticker indicating the levelling point	
4	01377	Sticker indicating the horizontal levelling point	
5	18259	Sticker indicating the anchor point	
6	26739	Warning sticker (with yellow diagonal stripes) for the block	
7	03439	Sticker indicating the greasing point	
8	46538	Sticker indicating the maximum load 8000 kg	
9	03442	Sticker indicating the swinging suspended load	
10	03443	Sticker indicating a tilting hazard	
11	03440	Sticker indicating a danger of objects falling from a height	

EC declaration of conformity

"EC" DECLARATION OF CONFORMITY

as per 2006/42/EC Annex II, Part 1, letter A



The undersigned Dott. Riccardo Magni, as Legal Representative of Company,

MAGNI TELESCOPIC HANDLERS S.r.l.
Via Magellano 22
41013 Castelfranco Emilia (MO), Italy

as a person authorized to compile and sign the Technical File

DECLARESunder his sole responsibility,
that the following interchangeable equipment**Winch**
8000 kg

MODEL:

PART NUMBER:

SERIAL NUMBER:

YEAR OF PRODUCTION:

W 917**917****XXXXXX****XXXX**

complies with requirements of relevant directives:

2006/42/EC

therefore it can be used on the following vehicles only:

MAGNI TELESCOPIC HANDLERS S.r.l.
Via Magellano 22
41013 Castelfranco Emilia (MO), Italy

Vehicle model	Valid from serial number
RTH 8.25 SH	00000100
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

It also conforms with the following harmonized standards:

EN ISO 12896:2015 Industrial Trucks- Electromagnetic Compatibility**MAGNI TELESCOPIC HANDLERS S.r.l.****Dott. Riccardo Magni****Legal Representative****Castelfranco Emilia (MO), Italy, XX/XX/XXXX**

ce_GB_47917_01

INSTRUCTIONS FOR USE AND WARNINGS

Introduction

NOTICE

The user must strictly follow the indications given below:

The Manufacturer has designed this equipment accurately, with the help of appropriate tools and technologies to ensure its safety; however, it is difficult to assess all the work situations the equipment may be subject to in different operating conditions.

Consequently, the conductor is responsible not only for following the indications given in this Use and Maintenance Manual, but also for adopting the methods for use that take into account the provisions and legislation on the matter of health and occupational safety in force in the country in which the equipment is used, associated with responsible use of the equipment, with the capacity of foreseeing and preventing potential danger situations generated by special logistic, climatic, visibility and health conditions of the conductor.

Operations or movements not described in the Use and Maintenance Manual must be avoided; the person using the vehicle for purposes other than those recommended must first ensure his own safety, the safety of others and correct handling of the equipment.

! WARNING

Failure to comply with the safety regulations listed in the Use and Maintenance Manual for the use and maintenance and repair of the equipment can result in serious accidents, sometimes even mortal.

User obligations

NOTICE

Read the Use and Maintenance Manual carefully;

Before using the equipment, ensure its compatibility with the forklift truck with which it is to be used;

Become acquainted with the operating area: quality of the road surface, obstacles on the ground or high up;

Operating temperature: min -15 °C (5 °F); max +45 °C (113 °F);

Comply with the data indicated on the load charts. Do not attempt to lift weights exceeding those permitted on the load charts enclosed with this manual and attached to the vehicle, under any circumstances whatsoever;

If the lifting capacity of the equipment is different from that of the crane, take the lesser of the two as the maximum limit;

! CAUTION

It is strictly forbidden to tamper with the safety devices provided on the equipment.

The equipment must not be modified to increase its lifting capacity;

Keep the load low and with the telescopic boom completely retracted;

Adjust the forklift truck speed to the ground conditions;

Avoid sudden movements while handling the load;

! CAUTION

Do not use the equipment in the vicinity of overhead electricity lines; always keep at a safety distance of at least 5 m (16,4 ft), especially where these are powered, or if their state is not known.

Prevent the possibility of outsiders moving around in the work areas by means of warning signs and barriers in compliance with the regulations, provisions and laws on the matter of work safety established in the different countries in which the equipment is used.

NOTICE

Only transport loads that are properly balanced;

The equipment must be lowered to the ground in a hazard-free area devoid of obstacles;

The empty hook must be lowered gently, to prevent abnormal stresses on the rope which can damage the rope itself or the equipment structure;

Never leave the forklift truck parked with a raised load;

The operator must stop using the vehicle if visibility and lighting conditions are poor;

While working at heights, check constantly to make sure the wind speed never exceeds 45 km/h (28 mph).

In case of strong wind, retract the equipment immediately, as the specific wind pressure on hanging loads can overload the forklift truck and affect its stability;

Avoid using the equipment in especially adverse weather conditions (rain storms in the presence of lightning);

The forklift truck, carrying equipment fitted with ropes, must be inspected periodically as envisaged for lifting equipment, in compliance with legislation, provisions and regulations applicable in the country of use. The user alone is responsible for ensuring compliance with the legislation in force;

Before starting work with the equipment or other lifting equipment with hook, inform the authorities responsible for inspections in your area;

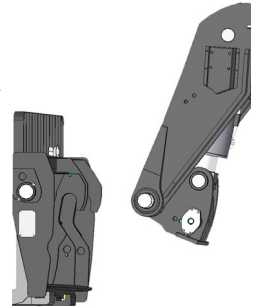
Request the body responsible in the country of operation for yearly inspections.

How to hook the equipment

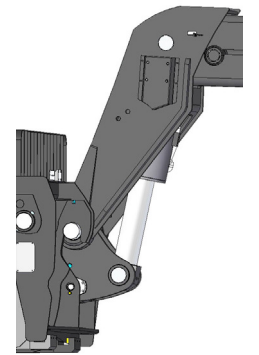
CAUTION

Potential risks in the following operations: crushing and injury to the upper limbs.

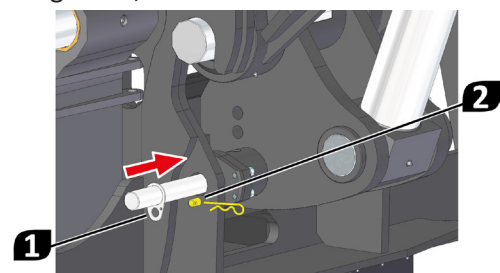
- position the equipment on a stable level surface;
- bring the forklift truck near the equipment, positioning the end part of the boom with the quick-fit coupling retracted suitably to fit it in the hooking seat;



- fit the equipment with the boom head quick-fit coupling;
- tilt the boom head coupling round to the equipment frame to insert the shear pin;



- insert the retainer pin **1** into the hole present on the connecting flange of the boom aligned with the hole present on the equipment hooking structure;
- insert the split shear pin **2** in the hole present on the pin which is integral with the equipment structure in such a manner as to prevent it from coming loose;

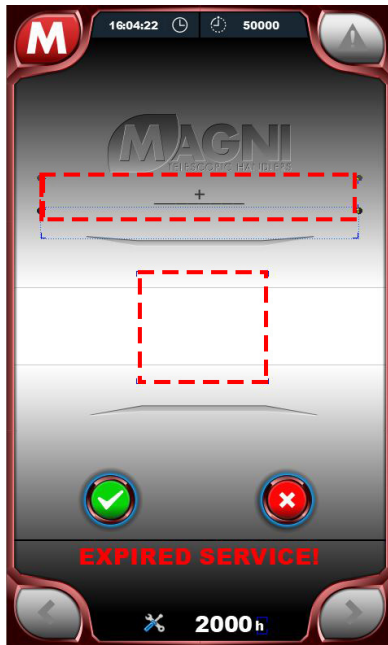


- connect the hydraulic system of the equipment to the connectors on the head of the vehicle's telescopic boom [when present];
- connect the electrical system of the equipment to the connectors on the head of the vehicle's telescopic boom [when present].

Vehicles produced by Magni T.H. are equipped with identification software that recognises the equipment connected and which enables movements and specific safety systems according to the type of equipment connected.

When coupling the equipment:

- press the GREEN button to confirm the equipment recognised by the software and standard calibration of the safety parameters;
- press the RED button if the equipment is not fitted or is recognised incorrectly.



← space for accessory details

← space for accessory details

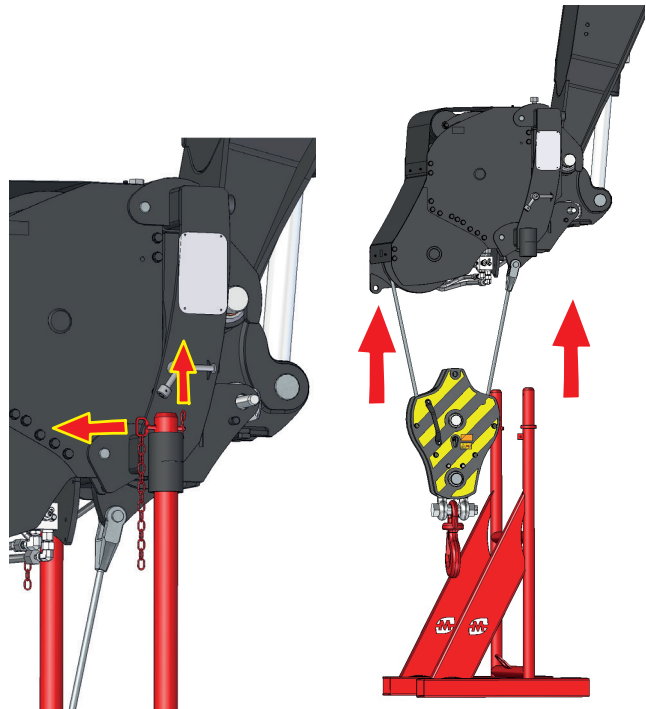


CAUTION

If the equipment is not recognised, check the state of preservation of the transmitter present on it and of the receiver present at the head of the boom. If there is no obvious damage, please contact the Magni Telescopic Handlers Assistance Service. If the RED button is pressed, for safety reasons the vehicle will have limited operation and load capacity to enable the unrecognised equipment to be transported and moved around the site area.

Before using the winch, it must be disconnected from its base.

Remove the split pin and the shear pins from the support rods, then lift the winch to free it.



Insert the shear pins back into the support rods and block them with the split pins, then place the support in a sheltered area.

Conditions for using the equipment in case of wind

The equipment can also be used if wind is present, provided it does not exceed Grade 6 of the Beaufort Scale (speed 45 km/h; 28 mi/h; 12.5 m/s);

For visual identification of this speed, refer to the Beaufort Scale below for empiric evaluation of the wind speed.

BEAUFORT WIND SCALE					
Force	speed (km/h)	speed (mi/h)	speed (m/s)	wind type	wind effects
0	0-1	0 < 1	> 0,3	Calm	smoke rises vertically; sea surface mirror-like.
1	1-5	1 – 4	0,3 - 1,5	Light air	wind causes smoke to drift; ripples on water.
2	6-11	5 – 7	1,6 – 3,3	Light breeze	leaves rustle; small wavelets.
3	12-19	8 – 11	3,4 – 5,4	Gentle breeze	leaves and twigs constantly moving; large wavelets, crests begin to break.
4	20-28	12 – 18	5.5 – 7,9	Moderate breeze	the wind raises dust, dry leaves, small tree branches constantly moving; small waves becoming longer.
5	29-38	19 – 24	8 – 10,7	Fresh breeze	small trees in leaf begin to sway; small waves are formed in internal waters; waves become moderately longer.
6	39-49	25 – 31	10,8 – 13,8	Strong breeze	larger tree branches moving, whistling heard in telegraph wires; whitecaps on the sea surface and spray.
7	50-61	32 – 38	13,9 – 17,1	Near Gale	whole trees moving, resistance felt when walking against wind; sea heaps up, white foam streaks of breakers.
8	62-74	39 – 46	17,2 – 20,7	Gale	twigs breaking off trees, walking against wind becomes impossible, moderately high waves of greater length, edges of crests begin to break into spindrift.
9	75-88	47 – 54	20,8 – 24,4	Strong Gale	shingles and tiles blown away; high waves, dense streaks of foam and spray, raised by wind reduce the visibility.
10	89-102	55 – 63	24,5 – 28,4	Storm	seldom experienced on land, trees uprooted, considerable damage to dwellings; very high waves with long overhanging crests.
11	103-117	64 – 73	28,5 – 32,6	Violent storm	rare, very severe devastation; enormous high waves, which can conceal medium sized ships; visibility reduced.
12	beyond 118	74 +	32,7 +	Hurricane	destruction of buildings, constructions etc.; foam and sprays in the seas reduce visibility to a very great extent.

Management of the controls

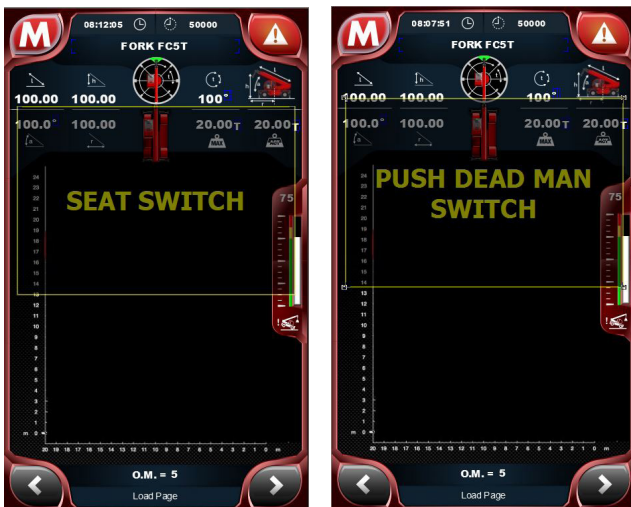
NOTICE

The equipment, like the entire vehicle, can only be operated if the following conditions are met:

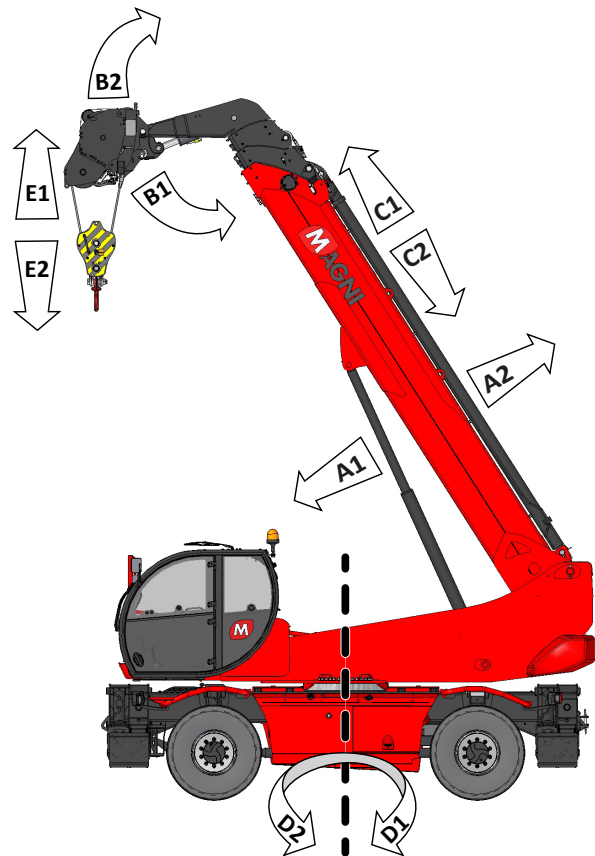
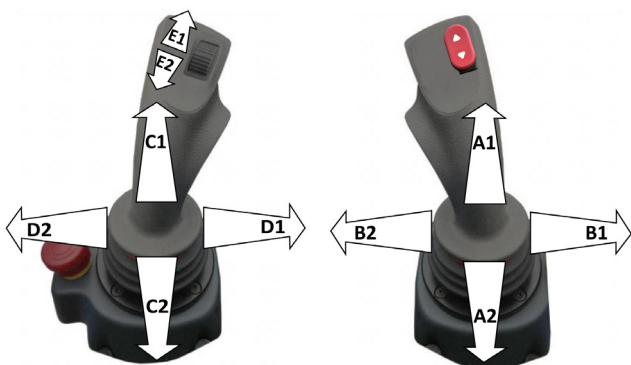
- operator sitting correctly in the driver's seat,
- pressing the movement enable button (DEAD MAN'S SWITCH) behind each joystick.



If one or both of the aforementioned conditions is not present, all the commands imparted are inhibited and this fault is signalled by means of a flashing light on the control panel on the side of the seat.

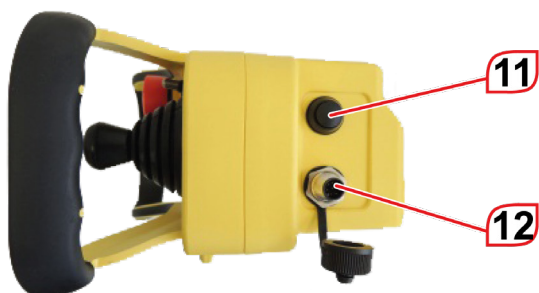
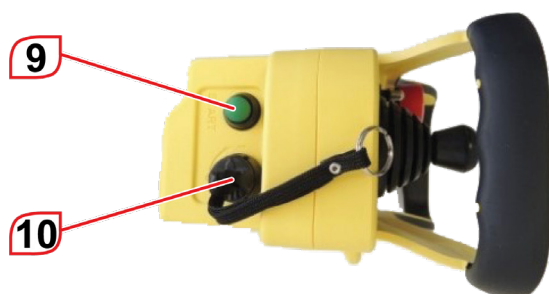
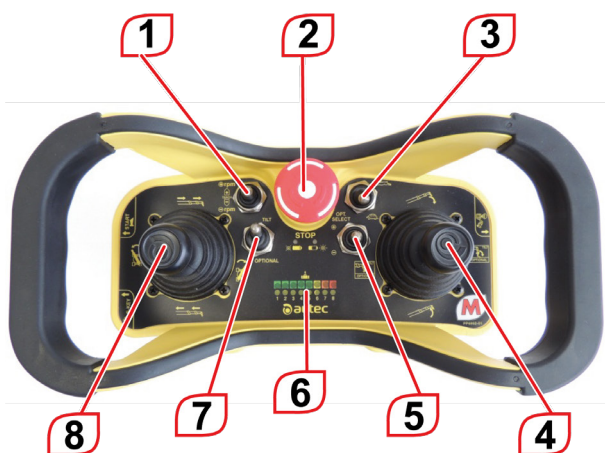


Description of the controls from the RTH cab



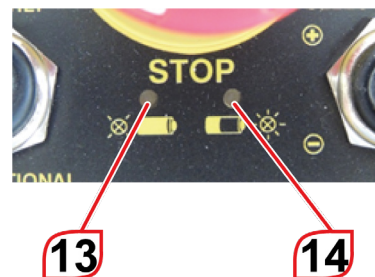
- **A1:** move the joystick forwards to lower the telescopic boom;
- **A2:** move the joystick backwards to raise the telescopic boom;
- **B1:** move the joystick to the RH to rotate the accessory downwards;
- **B2:** move the joystick to the LH to rotate the accessory upwards;
- **C1:** move the joystick forwards to remove the telescopic boom;
- **C2:** move the joystick backwards to retract the telescopic boom;
- **D1:** move the joystick to the RH to rotate the turret of the vehicle clockwise;
- **D2:** move the joystick to the LH to rotate the turret of the vehicle anticlockwise;
- **E1:** rotate the roller forwards to lift the hook;
- **E2:** rotate the roller backwards to lower the hook.

Description of the controls from the radio control



1. RPM switch: makes it possible to increase or decrease the I.C. engine speed;
2. emergency stop button: if pressed, it instantly stops all movements;
3. HARE/TORTOISE switch: changes the actuation speed of the hydraulic commands given;
4. RH joystick;
5. **OPT./SELECT** switch: changes the preset operating programs for each accessory (if present);
6. Load diagram indication LED: simulates the load percentage applied to the accessory;
7. **TILT-OPTIONAL** switch: enables tilting of the accessory or its specific functions;
8. LH joystick;
9. button to connect radio control → forklift truck;
10. main radio control switch;
11. emergency pump activation button;
12. wiring connector socket for lifting platform.

Batteries



In the centre of the radio control under the emergency button are the LEDs for checking operation of the radio control and the charging state of the batteries.

13. green LED:

- not active indicates that the radio control is switched off;
- slow flashing indicates that the radio control is switched on but is not connected to the vehicle;
- fast flashing indicates that the radio control is connected to the vehicle properly and is working.

14. red LED:

- not active indicates the correct charging level of the batteries;
- on flashing indicates the low charging level of the batteries;
- on steady indicates a malfunction of the radio control.

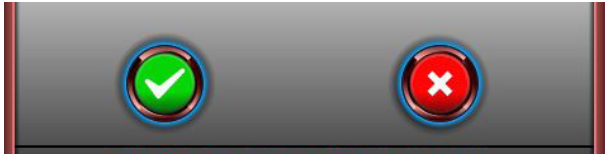


To recharge the battery, remove it from the underside of the radio control and insert it into the charger in the cab.

How to connect the radio control

To activate the radio control, proceed as follows:

- start the vehicle and confirm the accessory on the multiple function display in the cab by pressing the green button;



- stabilise the vehicle with the reverse gear in NEUTRAL and parking brake engaged;



- on the CONTROLS PAGE or STABILISERS PAGE on the multiple function display, activate the radio control connection button;



- turn the radio control on with the aforementioned switch [10] and make sure the red emergency button [2] is not locked in the safety position; check this condition by rotating the button clockwise;



- press the green button [9] to enable the connection.

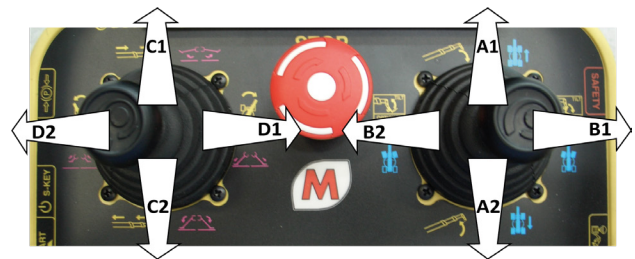
Connection is indicated by the vehicle horn making a warning sound.

NOTICE

If connection between the radio control and the forklift truck has been interrupted by the red emergency button being pressed (for the vehicle or radio control), reactivate it as follows:

- reset the red emergency button [2] by rotating it anticlockwise;
- press the green radio control button once to reactivate the radio control/forklift truck connection, confirmed by the vehicle horn making a warning sound;
- press the green radio control button again to start the vehicle's I.C. engine, confirmed by the vehicle horn making a warning sound.

Controls



- A1:** move the joystick forwards to lower the telescopic boom;
- A2:** move the joystick backwards to raise the telescopic boom;
- B1 with selector [7] on TILT:** move the joystick to the RH to rotate the accessory downwards;
- B2 with selector [7] on TILT:** move the joystick to the LH to rotate the accessory upwards;
- B1 with selector [7] on OPTIONAL:** move the joystick to the RH to lift the hook;
- B2 with selector [7] on OPTIONAL:** move the joystick to the LH to lower the hook;
- C1:** move the joystick forwards to remove the telescopic boom;
- C2:** move the joystick backwards to retract the telescopic boom;
- D1:** move the joystick to the RH to rotate the turret of the vehicle clockwise;
- D2:** move the joystick to the LH to rotate the turret of the vehicle anticlockwise.