

FARAONE[®]
Industrie spa



CE

STOCK PICKER
ELEVAH 51 MOVE

USE AND MAINTENANCE INSTRUCTIONS

Translation of the original instructions



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ENGLISH

INTRODUCTION

The purpose of this use and maintenance manual is to supply the users with the essential information for carrying out the procedures for safe and correct operation of the machine, for the purposes for which the same has been manufactured.

All information contained in this manual must be read and understood before making any attempt to operate the machine.

THIS MANUAL IS A VERY IMPORTANT DOCUMENT; ALWAYS KEEP IT NEAR THE MACHINE.

Due to continuous improvements to the products, IMA Faraone Spa reserves the right to amend the technical data without any prior notice. For updated information, contact IMA Faraone Spa.

**ATTENTION**

REMEMBER NO EQUIPMENT IS SAFE IF THE OPERATOR DOES NOT OBSERVE THE SAFETY PRECAUTIONS

SYMBOLS AND TERMS**ATTENTION**

The danger symbol recalls the attention to potential dangers that might cause injuries. To avoid possible injuries or fatal accidents, comply with all safety instructions that follow the symbol.



Arrows are used in the pictures of the machine to indicate the specific points described in the text of the manual.

- **Stock picker:** Machine designed exclusively to carry, lift, stack or arrange loads on shelving, controlled by an operator stationed in the driver's seat, which can be raised at the same time as the load handling device.
- **Cage:** A position from which the operator is able to control all driving positions and handle the load.
- **Loading platform:** Platform from where to load goods to carry, lift, stack or arrange on shelving.
- **Extending structure:** A structure connected to the frame that supports the cage and enables movement from the cage to the required position.
- **Frame:** Machine Base.

TECHNICAL ASSISTANCE - WARRANTY

The Client must make sure to have the serial number of the machine and an accurate description of the problem or of the information to be provided before contacting the Manufacturer.

The warranty period is 12 months from the date of the purchase invoice.

Said warranty covers faulty components and the labour required for servicing, if this is carried out at the Manufacturer's premises (the transport of the machine is borne by the purchaser).

The warranty is valid provided all rules laid down for correct use of the machine are complied with.

The machine is designed and built to last years, as long as it is always used for the purposes it is intended for and that the inspections and maintenance described herein are carried out. Faraone Industrie Spa deems it necessary to conduct an extensive analysis of all of the structural components every 10 (ten) years, to confirm their integrity.

NOTICES

In compliance with legislation in force in the country where the machine is stationed and operating, the owner of the stock picker must find out whether a declaration is required when the machine is commissioned and for any periodical tests that are carried out thereafter.

SECTION 1. SAFETY PRECAUTIONS**GENERAL INFORMATION**

This section illustrates the necessary precautions for the correct and safe use and for machine maintenance. To guarantee correct use of the machine, it is essential to establish a daily routine procedure based on the instructions provided in the manual. Also, to guarantee safe operation of the machine, it is necessary for a qualified person to establish a maintenance programme based on the information provided in this manual; such programme must be scrupulously followed.

The owner/user/operator/company granting in leasing/person receiving in leasing the machine, must not accept responsibility of its operation before having carefully read the manual and completed the training and the functioning procedures, guided by an experienced and qualified operator.

For further information relating to safety, training, inspection, maintenance, application and operation, contact Faraone Industrie Spa.

**ATTENTION**

THE NON COMPLIANCE WITH THE SAFETY PRECAUTIONS LISTED IN THE MANUAL MAY CAUSE DAMAGES TO THE MACHINE AND TO THE PROPERTY AND INJURIES OR FATAL ACCIDENTS.

PRELIMINARY PROCEDURES

Operator training and know-how

- Carefully read the manual before using the machine.



- Use the machine only after complete training by authorised personnel.
- The use of the machine is allowed exclusively to authorised and qualified personnel.
- Read carefully and follow all the WARNING statements and the operational instructions reported on the machine and in the manual.
- Use the machine for the applications falling within those envisioned by Faraone Industrie Spa.
- All operational personnel must familiarise with the emergency operations and controls of the machine, as specified in the manual.
- Carefully read and comply with all company, local and government Standards in force, relating to machine operation.

Inspection of the work place

- Before using the machine, the operator must take the necessary precautions to avoid any danger in the work place.
- Do not activate the machine on lorries, trailers, railway wagons, boats, scaffolding or similar, unless Faraone Industrie Spa has approved the operation in writing.
- The machine can be switched on at temperatures between -15°C and 40°C. Contact Faraone Industrie for values relating to machine operation at temperatures not within the indicated range.
- The machine cannot be started in environments declared ATEX, unless specifically indicated in the EC certificate of conformity delivered with the machine in question.

Machine inspection

- Use the machine only after having carried out the functional verifications and inspections. For further instructions, consult *Section 3* of this manual.
- Activate the machine only after having carried out all assistance and maintenance interventions envisioned by the requirements specified in this manual.
- Make sure all safety devices work properly. Any amendments to such devices constitute violation of the safety Standards.
- Do not activate the machine whose signs or adhesives indicating the safety Standards or instructions are illegible or missing.
- Avoid the accumulation of debris on the floor of the machine. Avoid mud, oil, grease and other slippery substances coming into contact with shoes and with the floor of the machine.



ATTENTION

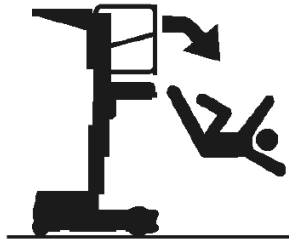
ANY AMENDMENTS OR ALTERATIONS TO THE MACHINE MAY ONLY BE APPLIED EXCLUSIVELY WITH PRIOR WRITTEN AUTHORISATION FROM THE PRODUCER.

OPERATION

General information

- A self-propelled Stock Picker is a machine designed exclusively to carry, lift, stack or arrange loads on shelving, controlled by an operator stationed in the driver's seat, which can be raised at the same time as the load handling device.
- Do not activate a faulty machine. If a fault occurs, switch-off the machine.
- Do not suddenly move the control switches or levers from one position to the opposite one, going via the neutral position; always bring the switch to neutral position before moving it in the position corresponding to the next function. Activate the controls by applying slow and even pressure.
- If there are any people on the work platform, allow personnel to operate the machine from the ground only in the event of an emergency.
- Completely lower the extending structure and disconnect the power supply before moving away from the machine.
- You are reminded to charge batteries in a well-ventilated area.

Risk of falls



- Prior to using the machine, ensure all railings and gates are fastened in the correct position.
- Keep both feet firmly on the floor of the cage. Do not arrange ladders, boxes, steps, planks or similar items on the cage to increase the range of action.
- Do not use the extension unit to climb on or off the cage.
- Pay maximum attention when entering or exiting the cage. Ensure the extending structure is completely lowered. Face the machine when entering or exiting the cage. Always maintain "three contact points" with the machine, ensuring both hands and one foot or one hand and both feet are continuously in contact with the machine when entering and exiting.

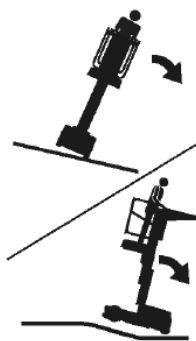
Danger of electrocution



With regard to the safety distances from live parts of power lines and electrical systems that are not protected or not sufficiently protected to be complied with when carrying out non-electric jobs, at net clearance deriving from the type of job, the equipment used and the materials handled, as well as the lateral shifting of the conductors owing to the action of wind and lowering of heights due to heat conditions, refer to the Laws regarding safety in the workplaces of the country where the machine is operating.

For Italy, refer to Legislative Decree 81/08, annex IX "Values of rated operating voltages of electrical machines and systems".

Danger of overturning



- Before driving the machine, the user must be familiar with the work area surface. While driving, do not exceed the admitted transversal and longitudinal slopes.
- Do not lift the cage on a slope or on irregular or soft surfaces.
- Before driving the machine on floors, bridges, lorries and other surfaces, check their maximum capacity values.
- Do not exceed the maximum capacity of the machine.
- Keep the machine chassis at a minimum distance of 0.5 m from holes, unevenness, descents, obstacles, debris, hidden holes and other potential dangers found at ground level.
- Do not attempt to use the machine as a crane. Do not tie the machine to an adjacent structure.
- Do not increase the dimension of the cage or loading platform with unauthorised extensions or by extending the platform.
- If the extending structure or cage remain jammed so that one or more wheels are lifted from the ground, it is necessary for the operator to climb off the cage, before attempting to free the machine. To stabilise the machine and have personnel climb down from the cage, use a crane, forklift trucks or other adequate equipment.

Danger of crushing and impact



- All operational and ground personnel must wear the safety equipment required for their case.
- When using the machine or lifting or lowering the cage, check the distances above, at the sides and below the said cage.
- Do not lean out of the rails of the cage when the machine is running.
- When driving in areas where visibility is limited by obstacles, always have a person precede the vehicle to signal any dangers.
- While driving, always keep non-operational personnel at a minimum distance of 2,0 m from the machine.
- Adjust the driving speed according to the following conditions: ground surface, traffic, visibility, slope, location of the personnel and other factors that represent danger of collision or injuries to personnel.
- Take into account braking distances, regardless of the speed of the machine.
- Do not drive at high speed in reserved or tight areas or when reversing.
- Always pay maximum attention to avoid any obstacles from hitting the operational controls and people in the cage or from interfering with them.
- Make sure the operators of other machines, overhead or at ground level, know that there is a Stock Picker in the area.
- Warn personnel not to work, stand or transit underneath the lifted cage.

Towing, lifting and carrying

- Do not allow personnel to stand on the cage while towing, lifting and carrying.
- Tow the machine exclusively in case of emergency, fault, power supply cut-off or to load/unload it. Consult the "Emergency procedures" section in this manual.
- Before towing, lifting and carrying, ensure the cage is completely retracted and emptied.
- Do not pull or push a blocked or disabled machine.
- While lifting the machine by means of a forklift, arrange the latter exclusively in correspondence of the appropriate areas of the same machine. Lift by means of a lifting device with adequate capacity.

For information regarding lifting, refer to the relative section in the manual.

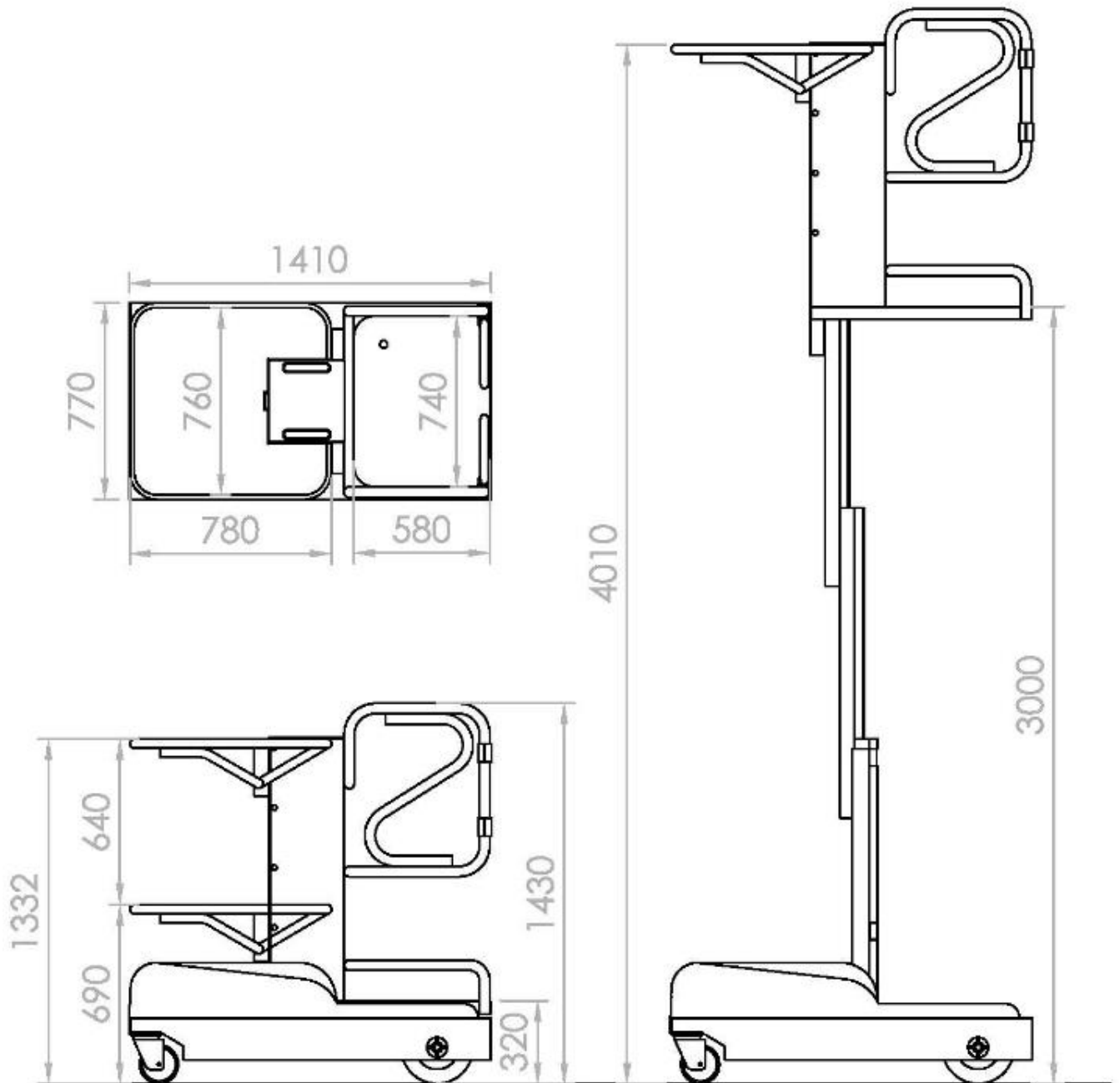
SECTION 2. GENERAL TECHNICAL DATA**ATTENTION**

SELF-PROPELLED STOCK PICKER ELEVVAH 51 MOVE IS A MACHINE DESIGNED EXCLUSIVELY TO CARRY, LIFT, STACK OR ARRANGE LOADS ON SHELVING, CONTROLLED BY AN OPERATOR STATIONED IN THE DRIVER'S SEAT, WHICH CAN BE RAISED AT THE SAME TIME AS THE LOAD HANDLING DEVICE.

THE STOCK PICKER IS DESIGNED TO CIRCULATE IN CLOSED ENVIRONMENTS ON PREPARED SMOOTH HORIZONTAL SURFACES. FURTHERMORE, IT CAN ALSO BE USED OUTDOORS IN THE TOTAL ABSENCE OF WIND AND ATMOSPHERIC PRECIPITATIONS. THE STOCK PICKER MUST ONLY BE USED FOR THE PURPOSE IT WAS DESIGNED FOR. ANY OTHER USE IS CONSIDERED IMPROPER.

OVERALL DIMENSIONS

ELEVAH 51 MOVE



Measurements expressed in mm

GENERAL TECHNICAL DATA OF THE STOCK PICKER ELEVAH 51 MOVE	Value
Weight of the machine: (Overall)	330 kg
Machine height: (in transport position)	143 cm
Maximum resting pressure on ground: per wheel/stabiliser (*)	115 daN
Maximum passable slope: (in transport position)	10% - 5°
Maximum longitudinal work slope:	5% - 3°
Maximum transversal work slope:	5% - 3°
Maximum transmission speed: (with cage lifted- in transport position)	0.47 m/s – 0.71 m/s
Machine base: (length x width)	141 cm x 77 cm
Power supply	2 GEL Batteries 12V - 75 Ah
Operator in the cage:	1
Maximum capacity in the cage and in the loading platform:	200 kg
Maximum capacity of loading platform:	100 kg
Cage maximum height: (between ground and floor of cage)	3 m
Maximum height of loading platform: (between ground and platform)	4.01 m
Minimum height between ground and loading platform:	69 cm
Loading platform run:	64 cm
Internal measurements of cage:	69 cm x 57 cm
Measurements of loading platform:	78 cm x 76 cm

Table NOTE:

* : Maximum pressure of the stabiliser/wheel considering the weight of the machine plus the maximum load on the cage are fully distributed on only one side of the machine (fully asymmetrical load)

BASIC CONSTRUCTIVE DATA

MACHINE FRAME: The frame of the machine (called base) is completely made of aluminium profiles with rectangular sections. All essential components are installed on the frame for normal machine operation in stable conditions.

EXTENDING STRUCTURE: The extending structure is made of special extruded aluminium alloy profiles that slide along each other on sliding blocks with nylon wheels. The kinematic connection between profiles is set up using chains.

A fluid power cylinder is installed between the first and second profile that, powered by the hydraulic control unit, enables to lift the structure. The chains connect the extendible structure elements to each other so that these can simultaneously lift.

CAGE AND LOADING PLATFORM: The cage and loading platform are built entirely of extruded aluminium profiles. The base floors are built with 3 mm thick, non-slip, chequered, aluminium sheet steel.

EXPOSURE TO VIBRATIONS: The stock picker does not produce vibrations that place the health of the operators at risk. The weighted acceleration to which the entire body is subjected is less than 0.5 m/s^2

ACOUSTIC EMISSIONS: The A-weighted emission sound pressure level is below 70dB

**ATTENTION**

THE STOCK PICKER ELEVAH 51 MOVE HAS BEEN INSPECTED BY THE MANUFACTURER FOR THE PURPOSE OF CALCULATING THE MAXIMUM ADMISSIBLE TRANSVERSE AND LONGITUDINAL ANGLES.

SECTION 3. PREPARATION AND INSPECTION**PERSONNEL TRAINING**

The stock picker is a machine designed to carry, lift, stack or arrange loads on shelving; accordingly, it is essential that it be used and serviced exclusively by trained personnel.

The machine cannot be used by persons under the influence of alcohol or drugs or subject to epileptic attacks, dizziness or loss of physical control.

Operator training

Operator training must include the following:

1. Use and limits of the platform and emergency controls, on the ground, and of the safety systems;
2. Signs/labels for controls, instructions and warnings on the machine;
3. Regulations defined by the employer and government standards;
4. Knowledge of the mechanical operation of the machine sufficient to enable recognising of a fault;
5. Safe methods for using the machine in presence of overhead obstacles, other moving equipment and obstacles, depressions, holes and descents.

Training supervision

Training must be carried out under the supervision of a qualified person, in an open space and free from obstacles and must continue until the trainee is able to safely activate and use the machine.

Operator responsibility

The operator must be trained with regard to responsibility and authority to switch-off the machine in case of fault or in presence of other unsafe conditions, both relating to the machine and to the work area.

NOTE: *the owner shall provide qualified personnel for training both at the time of delivery of the first units and later, if requested by the user or by personnel.*

FUNCTIONAL TEST

At the end of the "DAILY INSPECTION" (section n°6), carry out a functional test of all plants in an area free from overhead obstacles and at ground level.

**ATTENTION**

IF THE MACHINE DOES NOT WORK PROPERLY, SWITCH IT OFF IMMEDIATELY. WARN MAINTENANCE PERSONNEL OF THE PROBLEM. DO NOT USE THE MACHINE UNTIL IT IS DECLARED SAFE TO USE.

Carry out a functional test as detailed below.

- 1. Check the correct operation of the manual descent valve (EMERGENCY DESCENT).**
- 2. From the control console of the cage, carry out the detailed operations.**
 - a. Ensure the control console is correctly assembled and securely fastened;
 - b. Lift and lower the cage checking lifting and lowering happen regularly;
 - c. Ensure all machine functions are disabled when activating (pressing) the emergency stop button.
 - d. Activate all functions and check the correct operation of all end run switches, main and activation switches.
 - e. Machine brakes – Drive the machine on a slope (not exceeding the nominal functioning capacity on a slope) and stop it to ensure the brakes hold it;
 - f. Inclination alarm – With the cage completely lowered, drive the machine on a surface with a slope greater than the maximum slope admitted in any direction (do not exceed the maximum nominal operational capacity on a slope). Any attempt to lift the cage makes the machine signal an inclination that exceeds the admissible range;
 - g. Transmission speed reduction – When the cage is lifted, the transmission speed is reduced compared to the speed with the cage lowered;
 - h. Make sure the loading deck is working correctly. Make sure that it travels smoothly without any jerky movements, and that its up/down movement is not obstructed. Make sure all of its parts are intact.

SAFETY WARNINGS FOR THE OPERATORS

Do not install and use the machine in the following cases:



**OUTDOORS IN PRESENCE OF WIND
(DANGER OF STABILITY LOSS AND OVERTURNING)**



**NEXT TO AERIAL OBSTACLES (electric lines, protrusions, etc.)
(DANGER OF ELECTROCUTION AND IMPACT)**



**WITH EXCESSIVE CAPACITIES COMPARED TO ADMITTED LIMITS
(DANGER OF STABILITY LOSS AND OVERTURNING)**



**ON FLOORING WITH MINOR RESISTANCE OF THE WEIGHT OF THE MACHINE
(DANGER OF STABILITY LOSS AND OVERTURNING)**



**IN ALL CIRCUMSTANCES NOT EXPRESSLY INDICATED AMONG THE USE CONDITIONS
INDICATED IN THIS MANUAL
(GENERAL DANGER)**



ATTENTION

**THE ELECTRICAL SYSTEM OF THE PLATFORM IS NOT IN ANTI-EXPLOSIVE EXECUTION
(NO ATEX): THEREFORE YOU SHOULD CAREFULLY AVOID ITS USE IN AREAS SUBJECT
TO ATEX RISK.**

During the moving phase (on the ground):

- ✓ Cautiously move the machine avoiding sudden manoeuvres;
- ✓ **DO NOT TRANSPORT PERSONS on the base frame of the machine and in any other position except for in the position inside the cage;**
- ✓ Check the structural condition and cleanliness of the surfaces on which the machine is used (verify the surface is suitable for the weight of the machine in work conditions).












During the ascent and descent phase:

- ✓ Observe the maximum admissible capacity weights in the cage;
- ✓ Ascertain overhead obstacles are not present along the trajectory, in vertical;
- ✓ Do not induce dangerous vibrations and/or oscillations such to entail stability loss of the machine and cause an eventual overturning.

**ATTENTION**

THE STOCK PICKER IS PROVIDED WITH AN AUTOMATIC BASE LEVELLING VERIFICATION SYSTEM. WHEN THE MACHINE EXCEEDS THE MAXIMUM SLOPE ALLOWED BY THE MANUFACTURER (see the technical characteristics of the machine), IT EMITS A WARNING SOUND. IN THESE CONDITIONS, WITH THE CAGE IN STAND-BY POSITION, THE MACHINE CAN STILL MOVE WHEREAS, WITH THE CAGE LIFTED, EACH MOVEMENT IS PREVENTED APART FROM CAGE DESCENT.

Prohibition signs:

-  Prohibition to overload the machine beyond the limits indicated
-  Prohibition to use the machine as an aerial platform to carry out works from heights
-  Prohibition to remove or tamper with the stability devices of the machine (sensors, ballasts, etc.)
-  Prohibition to remove or tamper with the safety and protection devices of the machine
-  Prohibition to climb on or off the cage in places other than the provided gate
-  Prohibition to increase outreach or work height of the machine using additional equipment (for example, ladders)
-  Prohibition to induce oscillations on the machine so as not to make it unstable
-  Prohibition to install any additional device that increases the wind load on the machine (for example, warning signs)
-  Prohibition to come into contact with live electrical conductors
-  Prohibition to climb on/off the cage when elevated
-  Prohibition to lift/lower the cage without operator on board

When using the machine, the manufacturer recommends using the following personal protective equipment:



Protection of the lower limbs

SLIP-PROOF SHOES



ATTENTION

THE USE OF ANY OTHER SPECIFIC PERSONAL PROTECTIVE DEVICES MUST BE CHECKED BASED ON THE ASSESSMENT OF SPECIFIC RISKS, CARRIED OUT BY THE EMPLOYER

SECTION 4. CONTROLS, LIGHTS AND MACHINE OPERATION**INTRODUCTION****ATTENTION**

THE MANUFACTURER DOES NOT HAVE ANY DIRECT CONTROL OVER MACHINE APPLICATION AND OPERATION. THE USER AND THE OPERATOR ARE REQUIRED TO OBSERVE THE CORRECT SAFETY PROCEDURES.

The stock picker models ELEVAH 51 MOVE are electric machines equipped with a cage assembled onto a lifting mechanism with aluminium uprights.

The stock picker is **DESIGNED TO CARRY, LIFT, STACK OR ARRANGE LOADS ON SHELVING, CONTROLLED BY AN OPERATOR STATIONED IN THE DRIVER'S SEAT, WHICH CAN BE RAISED AT THE SAME TIME AS THE LOAD HANDLING DEVICE.**

The main control station is located in the cage. The operator can drive the machine and lift and lower the cage from the control console of the cage.

Vibrations generated by machines do not constitute any danger for the operator who is inside the cage.

The level of continuous sound pressure (A measurement) in the cage is less than 70 db (A).

MACHINE OPERATION**Preliminary operations**

It is necessary for the following control conditions to be satisfied, before activating the machine from the controls.

- The voltage of the batteries must be sufficient to activate the machine.
- The machine's main power switch on the control station in the cage must be set at ON.
- The emergency stop switch located on the control station in the cage must be on RESTORE.

CHARGING THE BATTERY

The machine is equipped with a battery charger with a.c. voltage input/d.c. voltage output. The battery charger stops charging automatically when the batteries are fully charged.

**ATTENTION**

KEEP SPARKS, OPEN FLAMES OR LIT TOBACCO AWAY FROM THE BATTERIES. PROVIDE ADEQUATE VENTILATION DURING CHARGING. DO NOT CHARGE A FROZEN BATTERY.

NOTE: when the battery charger is connected to an a.c. socket, the transmission function of the machine is deactivated.

Battery charging procedure

1. Park the machine in a well-ventilated area, near an a.c. electric socket;
2. Turn the main switch to OFF and remove the key;
3. Connect the battery charger to a correctly installed socket and earthed according to current regulations.

Battery charge status lights

The battery charge status lights are located on the side of the machine's base.



The **RED LED**, when charging the battery, indicates the beginning of the charging cycle.

Charging finishes automatically without warning the operator, and is indicated by a **GREEN LED** coming on.

While using the machine, the battery status will switch from completely charged (indicated by the green Led), to the partially charged (indicated by the orange Led) to low battery (indicated by the red Led).

Carry out the following operations carefully:

- ✓ Charging must be carried out in a well-ventilated area, where it is forbidden to smoke and use open flames;
- ✓ It is recommended to avoid using any possible source of sparks near batteries charging.
- ✓ We recommend using anti-static clothing;
- ✓ Do not lift or tilt the batteries;
- ✓ Do not attempt to start the machine;



ATTENTION

IT IS RECOMMENDED NOT TO LET THE BATTERIES GO COMPLETELY FLAT.



ATTENTION

WHEN THE MACHINE IS PUT OUT OF SERVICE FOR A LONG PERIOD, THE BATTERIES MUST BE COMPLETELY AND EVENLY CHARGED AT LEAST ONCE A WEEK AND KEPT WITH THE PLUG DISCONNECTED TO AVOID THE SAME BATTERIES GOING FLAT.

CAGE CONTROL CONSOLE



1. Emergency stop/switch-off button
2. Main ON/OFF switch with removable key
3. Multi-purpose cloche control
4. Cage lifting/lowering selector
5. Acoustic device button
6. Battery charge/machine operation hour display
7. Dead man enabling control
8. Transport position speed regulator
9. Loading platform up/down control

General information

Before actuating the machine from the cage control console, the following conditions of the controls must be satisfied:

- The main switch must be ON.
- The emergency stop/switch-off button must be on RESTORE (POWER SUPPLY CONNECTED).

Emergency stop/switch-off button

NOTE: in order for the machine to operate, the emergency stop button on the cage must be on RESTORE.



POWER SUPPLY DISCONNECTION

PUSH INWARDS to engage the emergency stop.



POWER SUPPLY CONNECTION

TURN CLOCKWISE AND RELEASE to restore the emergency stop.

Main ON/OFF switch with removable key



In order to prevent unauthorised personnel from using the machine, its main power supply switch is fitted with a removable key. Power the machine by placing the switch at ON, at OFF to disconnect main power supply.



ATTENTION

PREVENT UNAUTHORISED USE BY SWITCHING THE MACHINE OFF AND REMOVING THE KEY WHEN THE STOCK PICKER IS NOT IN USE.

Multi-purpose cloche control

The cloche is used to control the machine functions described below:

- Transmission/steering
- Cage lifting and lowering

Transmission mode



PRESS THE DEAD MAN ENABLING CONTROL ON THE CLOCHE, then push the cloche in the required direction of movement.

The transmission power is applied in proportion to the movement of the cloche from the centre.

NOTE: you must also press and hold the pedal switch to activate the machine functions

Lifting mode



PRESS THE DEAD MAN ENABLING CONTROL ON THE CLOCHE, then:

1. Press to LOWER the operator platform
2. Press to LIFT the operator platform

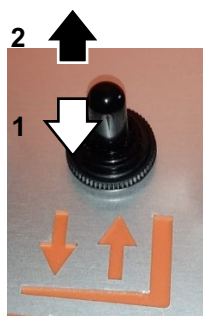
NOTE: you must also press and hold the pedal switch to activate the machine functions



ATTENTION

IF THE INCLINATION ALARM IS TRIGGERED AS THE OPERATOR IS DRIVING WITH THE CAGE UP, LOWER THE CAGE ALL THE WAY DOWN AND MOVE ON TO A SOLID AND HORIZONTAL SURFACE. BEFORE LOWERING THE CAGE MAKE SURE THAT THERE IS NO PERSONNEL IN THE AREA BELOW.

Loading platform up/down control



1. DOWN direction of the loading platform
2. UP direction of the loading platform

Battery charge/machine operation hour display

The display shows the machine's operating hours (expressed in tenths of an hour and only calculating the time the machine takes to perform movements) and the battery charge level (from a maximum charge value when all of the yellow LEDs light up, to a minimum charge value when the red LED lights up).

Transport position speed regulator



When the machine is in transport position (basket fully lowered) it is possible to regulate the transmission speed by acting on the regulator.

By turning the regulator counter-clockwise it is possible to lower the translation speed. By turning the regulator clockwise on the other hand, it is possible to increase the translation speed.

ACTIVATION PEDAL SWITCH



FUNCTION ACTIVATION PEDAL SWITCH

Place your foot on the switch, hold it down to actuate the cloche functions.

NOTE: it is necessary to hold both the pedal-switch and the cloche actuation lever down in order to actuate the cloche functions.

**ATTENTION**

THE TOTAL LOAD OBTAINED FROM THE AMOUNT BETWEEN THE CAGE INTERNAL LOAD + LOADING PLATFORM MUST ANYHOW NOT EXCEED 200 KG

**ATTENTION**

MAKE SURE THERE ARE NO OBSTACLES STOPPING THE CAGE RAILING FROM CLOSING PROPERLY

**ATTENTION**

DO NOT RAISE/LOWER THE CAGE IF THE MOBILE RAILING DOES NOT APPEAR TO CLOSE PROPERLY, AND HAVE IT REPAIRED (CONTACT THE MANUFACTURER, IF NECESSARY)

**ATTENTION**

ENSURE HANDS DO NOT REMAIN TRAPPED WHEN CLOSING THE RAILING.

PARKING THE MACHINE

1. Drive the machine in a well-protected and ventilated area.
2. Make sure that the cage is completely lowered, turn the main switch to OFF

NOTE: if necessary, charge the batteries in preparation for the following work day.



ATTENTION

PREVENT UNAUTHORISED USE BY SWITCHING THE MACHINE OFF AND REMOVING THE KEY WHEN THE OVERHEAD STOCK PICKER IS NOT IN USE.

TRANSPORT AND LIFTING PROCEDURES

General information

It is possible to transport the stock picker to a work site using one of the following methods:

- By driving the machine along the route on its base wheels, if the surface it is travelling on allows it.
- By moving it with a forklift (see the figure below - check the gross weight of the machine in the Operational Technical Data Table for the machine).



ATTENTION

LOAD THE MACHINE, ONLY IN A VERTICAL POSITION, ONTO A HEAVY DUTY VEHICLE HAVING A USEFUL LOAD CAPACITY ABLE TO SUPPORT THE TOTAL WEIGHT OF THE MACHINE (CHECK THE GROSS WEIGHT OF THE MACHINE IN THE OPERATIONAL TECHNICAL DATA TABLE OF THE MACHINE)



ATTENTION

ONLY LIFT THE MACHINE WITH THE CAGE COMPLETELY LOWERED.

SECTION 5. EMERGENCY PROCEDURES

This section shows the operations to be carried out in the event of an emergency during machine operation.

EMERGENCY OPERATION

Operator unable to control the machine

CONDITIONS IN WHICH THE MACHINE OPERATOR IS IMMOBILISED, TRAPPED OR UNABLE TO ACTIVATE OR CONTROL THE MACHINE.

- The other personnel must only operate the machine from the emergency controls on the ground in case of absolute need.
- The machine controls must only be used by qualified personnel. INTERRUPT MACHINE ACTIVITY IF THE CONTROLS DO NOT FUNCTION CORRECTLY.
- In case of incorrect operation of the controls or interruption of the electric power supply, the emergency stop must be activated and, if necessary, a qualified operator must carry out the EMERGENCY DESCENT phases from the ground.

Proceed as follows:

1. Activate the emergency button to disconnect the power supply;
2. ATTENTION: ensure there are no persons within the action range of the machine;
3. Lift the transparent protective door to access the knob of the emergency descent lever (1);
4. Slowly pull the knob outwards to lower the cage (2);



5. ATTENTION: constantly monitor the entire descent phase of the cage;
6. Once descent is completed, release the knob;
7. Let the protective transparent door slide back down;
8. Restore the emergency button to activate the machine's power supply.



ATTENTION

THE OPERATIONAL PHASES OF THE EMERGENCY DESCENT ARE REPORTED ON APPROPRIATE ADHESIVE NEAR THE EMERGENCY DESCENT CONTROL.

Cage blocked in overhead position

If the cage blocks or jams in overhead equipment or structures, transfer the person present in the cage to a safe place before freeing the machine.

Recovery equipment can be used to allow the occupier to climb down from the cage. To stabilise the machine movement use a crane or forklift.

REPORTING THE ACCIDENT

Faraone Industrie Spa must be immediately informed of any accidents to a Faraone product. Contact the factory by telephone and give all the necessary details, also in absence of injuries or evident damages to the property.



ATTENTION

AFTER AN ACCIDENT, INSPECT THE ENTIRE MACHINE AND CHECK ALL FUNCTIONS. DO NOT LIFT THE CAGE UNTIL ONE IS SURE THAT ALL DAMAGES HAVE BEEN REPAIRED, AS REQUIRED, AND THAT ALL CONTROLS WORK PROPERLY.

SECTION 6. DAILY INSPECTION

Start the full inspection from point (a), as set out in the following list. Proceed around the machine checking all listed conditions in sequence.

**ATTENTION**

TO AVOID ANY INJURIES, ENSURE THAT THE MACHINE POWER SUPPLY IS SWITCHED OFF DURING THE "FULL INSPECTION".
DO NOT USE THE MACHINE BEFORE REPAIRING ALL FAULTS.
DO NOT FAIL TO CARRY OUT A VISUAL INSPECTION OF THE LOWER PART OF THE BASE FRAME. ENSURE THE AREA IS CLEAR OF OBJECTS OR DEBRIS THAT MIGHT CAUSE SERIOUS DAMAGE TO THE MACHINE.

NOTE FOR INSPECTION: *besides complying with the above criteria, ensure for each component that all parts are present, securely fixed and not loose and that there are no visible damage, leaks or signs of excessive wear.*

- a) **Drive wheels/free wheels and swivel castors:** Check there is no debris on the wheels or around them;
- b) **Base frame:** Ensure there are no loose wires or cables hanging underneath the base, check for any dents, breaks or cracks on the profiles;
- c) **Manual descent control valve:** See note pertaining to functional check;
- d) **Outriggers (if present):** Check for dents on the aluminium profiles, breaks or cracks, and check operation of the adjustable outrigger feet;
- e) **Motor/pump/tank unit:** No conspicuous hydraulic leak, hydraulic oil filling level at the "full" line;
- f) **Batteries (if present):** If necessary, charge them;
- g) **Cage assembly and entrance doors:** Correct blocking of the cage and entrance doors operating correctly;
- h) **Control console in the cage:** Controls secured, legible signs, emergency stop switch in the reset position and legible control signs;
- i) **Ground control station (if present):** Main power supply selection switch operable, signs securely fastened and legible, emergency stop switch operable;
- j) **Extendable structure unit:** Structure profiles, sliding inserts, chains, sequential activation cables, pulleys able to turn freely;
- k) **Spirit levels (if present):** Check the integrity of the spirit levels on the base frame.

**ATTENTION**

DO NOT USE THE MACHINE BEFORE REPAIRING ALL FAULTS / MALFUNCTIONS NOTED

SECTION 7. ROUTINE MAINTENANCE**ATTENTION**

MAINTENANCE CAN BE CARRIED OUT BY COMPANY PERSONNEL WITH EXPERIENCE IN MAINTENANCE WORK AND ADEQUATELY TRAINED WITH REGARD TO SAFETY STANDARDS IN FORCE.

**ATTENTION**

IT IS RECOMMENDED TO ONLY USE SPARE PARTS APPROVED BY THE MANUFACTURER.

**ATTENTION**

CONTACT THE MANUFACTURER IF IN DOUBT WITH REGARD TO THE FREQUENCY AND METHOD OF ROUTINE AND/OR EXTRAORDINARY MAINTENANCE ACTIVITIES. DO NOT TAKE INITIATIVES IF YOU ARE UNSURE OF WHAT YOU ARE DOING.

**ATTENTION**

TO CARRY OUT MAINTENANCE AND/OR CLEANING OPERATIONS ON THE MACHINE THAT REQUIRE THE EXTENDABLE STRUCTURE TO BE IN A PARTIALLY EXTENDED POSITION, ANCHOR THE CAGE SAFELY (FOR EXAMPLE, USING A CONTRASTING STRUT ON THE GROUND) TO PREVENT IT FROM ACCIDENTALLY FALLING ONTO THE OPERATOR PERFORMING THE MAINTENANCE OPERATIONS.

**ATTENTION**

THE RECOMMENDED FREQUENCY OF LUBRICATION AND OF THE WEAR CHECKS IS BASED ON NORMAL USE. IF THE MACHINE IS USED FOR HEAVY DUTY WORK, SUCH AS A HIGH NUMBER OF CYCLES, UNFAVOURABLE POSITION, CORROSIVE/DIRTY ENVIRONMENT, ETC., THE USER MUST INCREASE THE FREQUENCY OF THE CHECKS ACCORDINGLY.

MONTHLY MAINTENANCE

- **Torque Reducer**
Eliminate the accumulation of dust greater than 5 mm
Visual verification of the oil seals to detect any lubricant leaks.

MAINTENANCE EVERY THREE MONTHS

- **Check there is no clearance, mechanical parts not correctly secured and/or bent and no parts/components desoldered;**
- **Check the integrity of the structural profiles;**
- **Check correct operation of the emergency descent valve.**
Take the cage to a height and execute an “emergency descent”, as shown in the relative section of this manual.
- **Hydraulic Oil**
Check the level of hydraulic oil and top up, if necessary.
Refer to the specifications described in the relative paragraph for information regarding hydraulic oil checks and top-up;
- **Check the hydraulic oil piping connections and make sure there are no leaks;**
- **Checking the Battery**
Periodically check for any corrosion and tightening of the terminals and any acid top-ups required in the battery (if a lead/acid type).
- **Check the cage and the entrance doors**
Correct blocking of the cage and entrance doors operating correctly.
- **Check the controls present in the cage and on the ground** (if applicable)
Controls secured, legible signs, main power supply selection switch operable, emergency stop switch in a reset position and legible control signs;
- **Check lubrication and wear of the lifting chains**
When restoring lubrication, make sure the chains are not dirty or soiled with mud, rubble, ice or other foreign matter. Clean the chains thoroughly before lubricating them.
The lifting chains must be lubricated with the extendable structure completely closed, by gravity, from the top, directly on the return wheels (if necessary, temporarily remove the protective cover to access the chains). For information regarding the wear of chains, refer to “Checks on the lifting chains”.

- **Check the wheels for wear**

Check there is no debris on the wheels or around them. Check for wear or damage to the tread. The wheels must be replaced if the edges are worn or the profiles are deformed. If the wheels have significant damage on tread or sides, immediately assess the severity of the damage before operating the machine again.

MAINTENANCE EVERY SIX MONTHS

- **Lubrication of moving parts and sliding wheels check**

The extensions run on nylon wheels. For each pair of extensions are mounted four wheels, two upper and two lowers.

Verify the absence of debris, the integrity of the wheels and the absence of games / abnormal movements

Contact the Manufacturer for further information and instructions regarding the adjustment of the sliding wheels of the extendable structure, when a backlash anomaly is found.

- **Transmission motor**

Check the wear level of the brushes and the manifold.

For any intervention, refer to the appropriate paragraph.

- **Torque Reducer**

Eliminate the accumulation of dust greater than 5 mm

Verification of the oil seals and their replacement if considerably used.

MAINTENANCE EVERY TWO YEARS

- **Hydraulic Oil**

Change the hydraulic oil in the tank.

Refer to the specifications described in the relative paragraph for information regarding hydraulic oil change.

MAINTENANCE EVERY FIVE YEARS

- **Torque Reducer**

Inspect the reducer and change the synthetic oil.

SECTION 8. MAINTENANCE OPERATING INSTRUCTIONS

LIFTING THE CAGE FOR MAINTENANCE

To perform maintenance below the cage, use a forklift and proceed as follows:

1. Lift the basket about 5 cm to allow access of the fork forks to the bottom of the basket;
1. Insert the forks below the cage, as indicated in the figure, and lift with the utmost care;



2. Support the cage with the forklift truck during the entire duration of the maintenance operation;
3. When the operation is over, lower the cage slowly to its end of stroke and reposition the protective casing of the base by re-screwing the four knobs.

BATTERY MAINTENANCE

It is necessary to periodically check for any corrosion and tightening of the terminals.
Replace the batteries as follows:

1. Make sure the machine is not connected to an external mains supply (charging batteries);
2. Use the specific switch to disconnect the machine's power supply;
3. Open the protective cover of the battery compartment;
4. Loosen the connection terminals of the batteries (positive pole and negative pole);
5. Remove the batteries and replace them with new ones;
6. Connect the terminals of the batteries, making sure to do so correctly (red cable for the positive pole, black cable for the negative pole) and tighten them;
7. Close and lock the protective cover.

**ATTENTION**

SHOULD THE BATTERY BE DAMAGED, USE THE RELATIVE PERSONAL PROTECTIVE EQUIPMENT TO PROTECT YOUR HANDS AGAINST CHEMICAL AGGRESSION WHEN REPLACING THE BATTERY.

**DISPOSE OF THE BATTERIES IN ACCORDANCE WITH THE LAWS IN FORCE.
REPLACE THE BATTERIES WITH THE SAME TYPES AS THOSE SUPPLIED BY THE MANUFACTURER.**

HYDRAULIC OIL CHANGE

Faraone Industrie Spa recommends using hydraulic oil with viscosity index 32. Mixing oils of different makes or types is strongly ill advised, since they may not contain the necessary additives or viscosity may be different.

**ATTENTION**

THE HYDRAULIC OIL MUST BE TOPPED UP/CHANGED WITH THE CAGE FULLY DOWN; IF THE HYDRAULIC OIL TANK IS UNDER THE CAGE, KEEP IT AT A HEIGHT OF APPROXIMATELY ONE METRE AND TOP UP/CHANGE IT.

**ATTENTION**

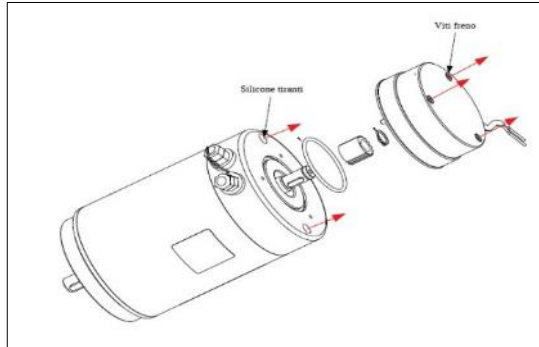
DISPOSE OF THE WASTE OIL IN ACCORDANCE WITH THE LAWS IN FORCE.

TRANSMISSION MOTOR

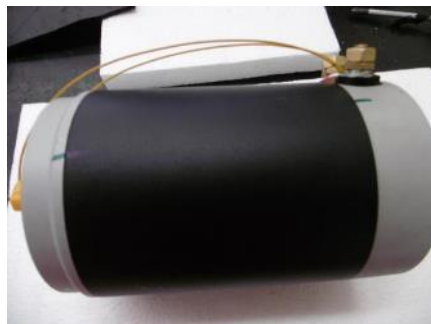
INSPECTION OF BRUSHES AND MANIFOLD

It is recommended to proceed as follows:

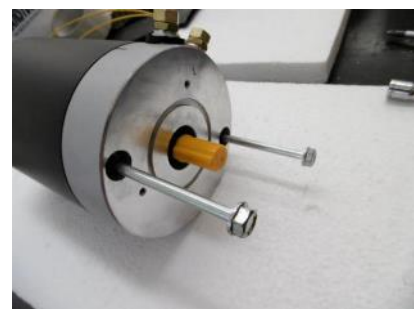
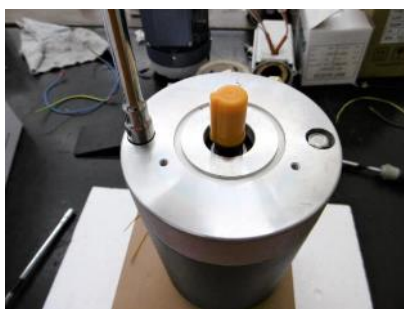
1. Disconnect the motor and physically detach it from the application;
2. Remove the brake and the silicone coating on the hex head of the tie rods;



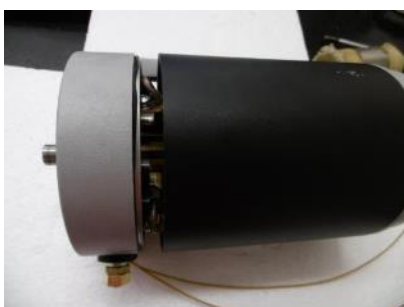
3. Mark the contact surface of the tube with the shield and the flanges to the restore proper alignment;



4. Unscrew the motor tie rods using a 10 [mm] socket wrench



5. Extract the rear shield with the brush holder (using a rubber mallet if necessary) paying attention not to ruin the o-rings between the tube and the shield/flanges.



6. Extract the brush holder and clean the manifold and the adjacent area with compressed air



7. Measure the groove of the manifold and the length of the brushes.



- a. The following are the length of the brushes and diameter of the manifold when new and minimum recommended as a reference.

	New	Minimum recommended
Brush length (mm)	17	8.5
Manifold diameter (mm)	44	43.6 (*)

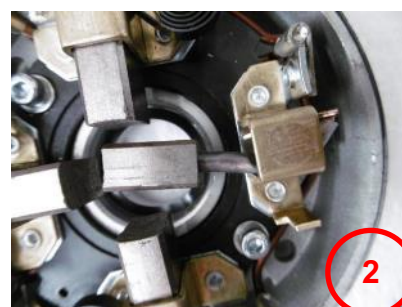
(*) If the groove exceeds a depression of 0.4 mm compared to the original diameter, it is recommended to re-machine the manifold.

8. Replacing the brush. It is recommended to proceed as follows:

- a. Extract the compression spring of the brush;



- b. Unscrew the fixing screw (1) and extract the brushes (2);



- c. Install the new brush operating in the opposite order;
- d. Insert the manifold into the brush holder.



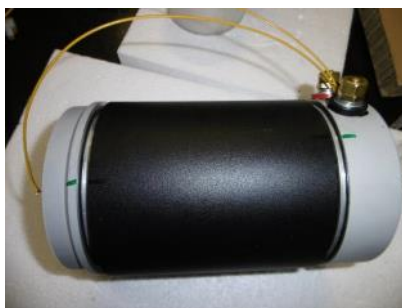
NOTE: It is recommended to use adhesive paper or an equivalent method to push all the brushes outwards to then insert the manifold and remove the supports used.

- 9. Close the top cap, paying the utmost attention that the o-ring gaskets are positioned properly.



ATTENTION

ALSO PAY ATTENTION TO THE CORRECT ALIGNMENT OF THE CAPS AS INDICATED PREVIOUSLY.



- 10. Put the silicone back on the hex head of the tie rods.
- 11. Refit the brake. Before powering the motor, check that the brake works properly (powering only the brake for a few cycles).



ATTENTION

RESETTING THE IP DEGREE DEPENDS ON THE CORRECT POSITIONING OF THE O-RING GASKETS AND THE SILICONE COATING OF THE TIE RODS. AFTER THE MAINTENANCE TECHNICIAN HAS CLOSED THE MOTOR, HE IS FULLY RESPONSIBLE FOR THE IP DEGREE AND THE INTEGRITY OF THE MOTOR.

CHECKS ON LIFTING CHAINS

1) Chain noise

A grinding metal noise will be heard if the chains are not fully lubricated. This causes metal-metal friction between the joints of the chain, which can lead to seizing-slipping effect, causing the work platform to move unevenly.

2) Surface rust

Plates with rusty surfaces are easily recognisable by the typical brown colour. Rust can lead to chain fatigue failures.

3) Rust on joints

Corroded connection points are recognisable by their red-brown colour. This phenomenon may arise from lack of lubrication or use of grease and oil unsuitable for penetrating the joints.

4) Stiff joints

Any joint that is not in a straight position when leaving the return pulley, can no longer be used. This phenomenon may be caused by corrosion or cold micro welding.

5) Turned pins

This is the consequence of incorrect lubrication and the aforementioned phenomenon of stiffened joints. This phenomenon is easily recognised by the difference in the pin clinching positions compared to factory standard.

6) Pins coming out of their housings

A direct consequence of the stiff joints of turned pins.

7) Wear

It is important to assess whether the connection plates are very worn.

8) Broken plates

This is the result of fatigue failure caused by overloading. Corrosion phenomena may contribute to this problem.

9) Broken pins

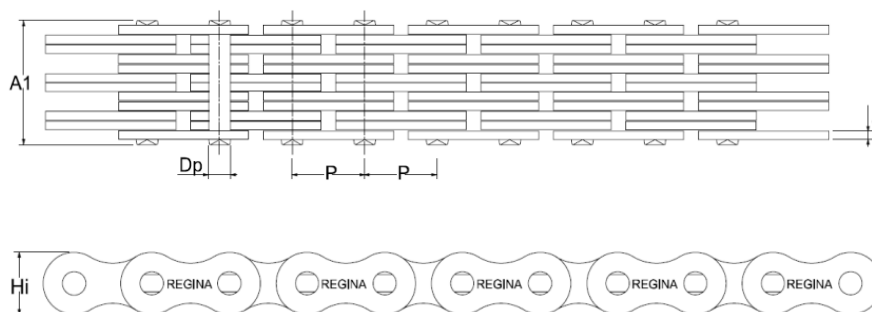
This problem usually occurs as a result of corrosion in the chain joints. Since the pins of a single chain are subject to the same load and corrosion conditions, one failure is usually followed by more. Experience has shown that this type of failure is not always easily recognised as there are no evident changes in the chain conditions, especially in the initial stage.

Checking for chain wear

(Check the cause of the malfunction before installing the new chain)

Lifting chain

Manufacturer: REGINA – Model: AL522



A1 = 10,6 mm ; Dp = 5,09 mm ; P = 15,875 mm ; S = 2,04 mm ; Hi = 12,83 mm

Elongation:

Measurement of chain slightly tightened on straight sections 1/5 to 1/15 of the total length. Maximum elongation allowed: 2% along the most worn section.

Wear of plate profiles:

Where the phenomenon is most noticeable: maximum permitted height reduction of 2.5% on one side only, 4% if on two sides, in relation to the initial height.

Wear on the side of the chain:

Replace the chain if the protruding part of the pin heads is worn down by more than 25% or if the outer side is worn down by more than 20% of its thickness.

**ATTENTION**

**FOR FURTHER INFORMATION REGARDING PURCHASE OF SPARE PARTS AND
CONSUMABLES, PLEASE CONTACT THE MANUFACTURER.
THE MANUFACTURER DECLINES ALL LIABILITY DUE TO DAMAGE OR MALFUNCTION
CAUSED BY USE OF PARTS NOT AUTHORISED BY THE SAID MANUFACTURER.**

SECTION 9. ATTACHED DOCUMENTATION

- ✓ ATTACHMENT 1 – Layout for the application of the stickers;
- ✓ ATTACHMENT 2 - Hydraulic layout;
- ✓ ATTACHMENT 3 – Electrical layout;
- ✓ ATTACHMENT 4 – Inspection certificate;
- ✓ ATTACHMENT 5 – Declaration of conformity.

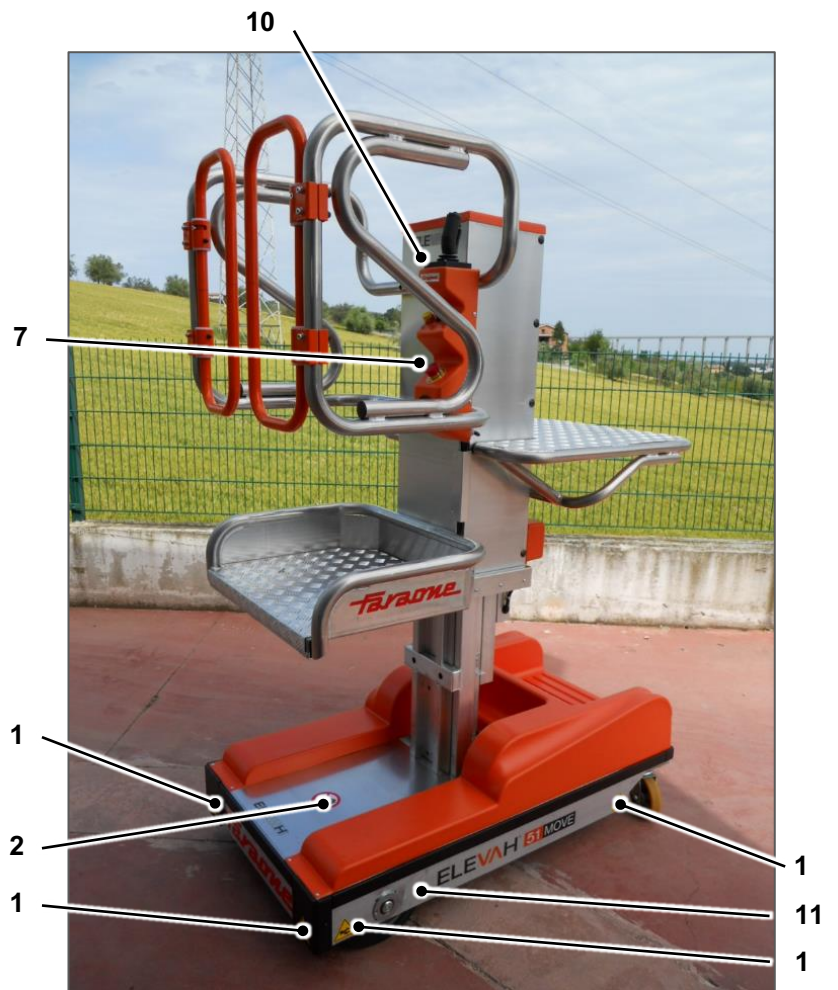
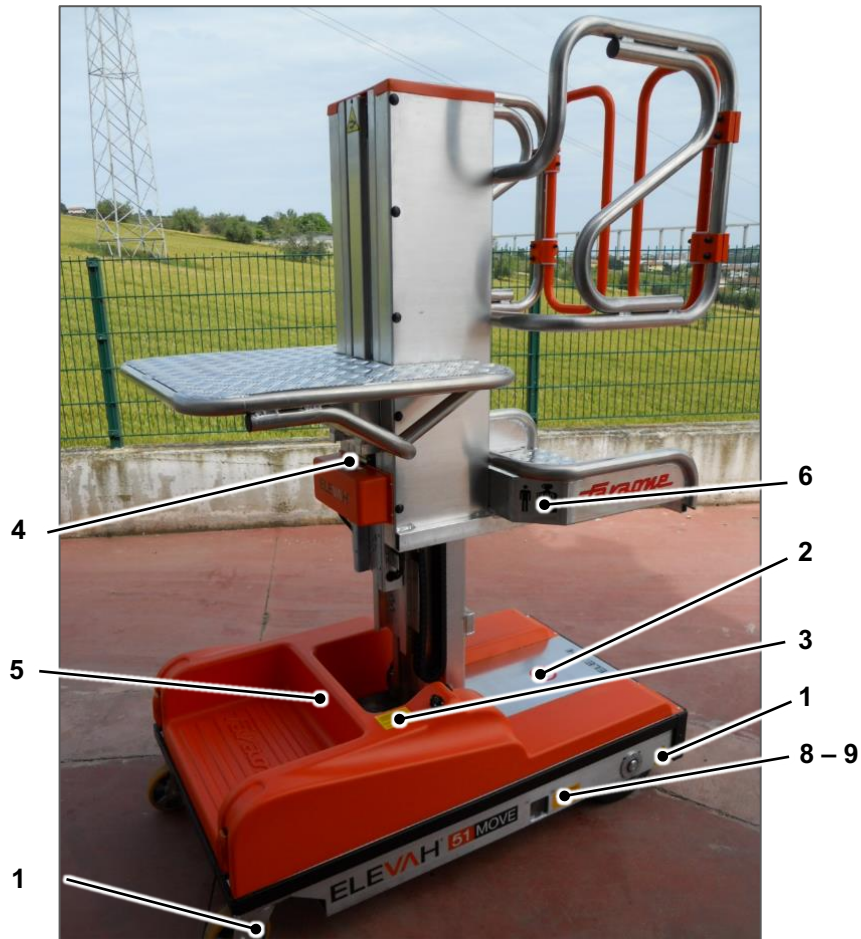


ATTENTION

SHOULD THE MACHINE BE TRANSFERRED TO A THIRD PARTY, ALL DOCUMENTATION MUST BE DELIVERED WITH THE SAME.

ATTACHMENT 1 – Layout for the application of the stickers

Pos.	SYMBOL	DESCRIPTION	Pos.	SYMBOL	DESCRIPTION
1		<u>DANGER SIGN</u> CRUSHING AND TRAPPING OF THE LOWER LIMBS	2		<u>PROHIBITION SIGN</u> FOR UNAUTHORISED PERSONNEL TO USE THE MACHINERY
3	<u>INDICATION</u>	Battery charging procedure	4		<u>DANGER SIGN</u> CRUSHING AND TRAPPING OF THE UPPER LIMBS
5	<u>INDICATION</u>	"MAX 100 KG"	6		<u>INDICATION</u> MAXIMUM NUMBER OF PERSONS AND LOAD ALLOWED INSIDE THE BASKET
7		<u>OBLIGATION SIGN</u> CONSULT THE OPERATING MANUAL	8	<u>INDICATION</u>	"EMERGENCY DESCENT PROCEDURE"
9	<u>INDICATION</u>	"EMERGENCY DESCENT"	10	<u>INDICATION</u>	"DANGERS AND PROHIBITIONS IN USING THE PLATFORM"
111	<u>INDICATION</u>	CE PLATE			



ATTACHMENT 2 - Fluid power layout

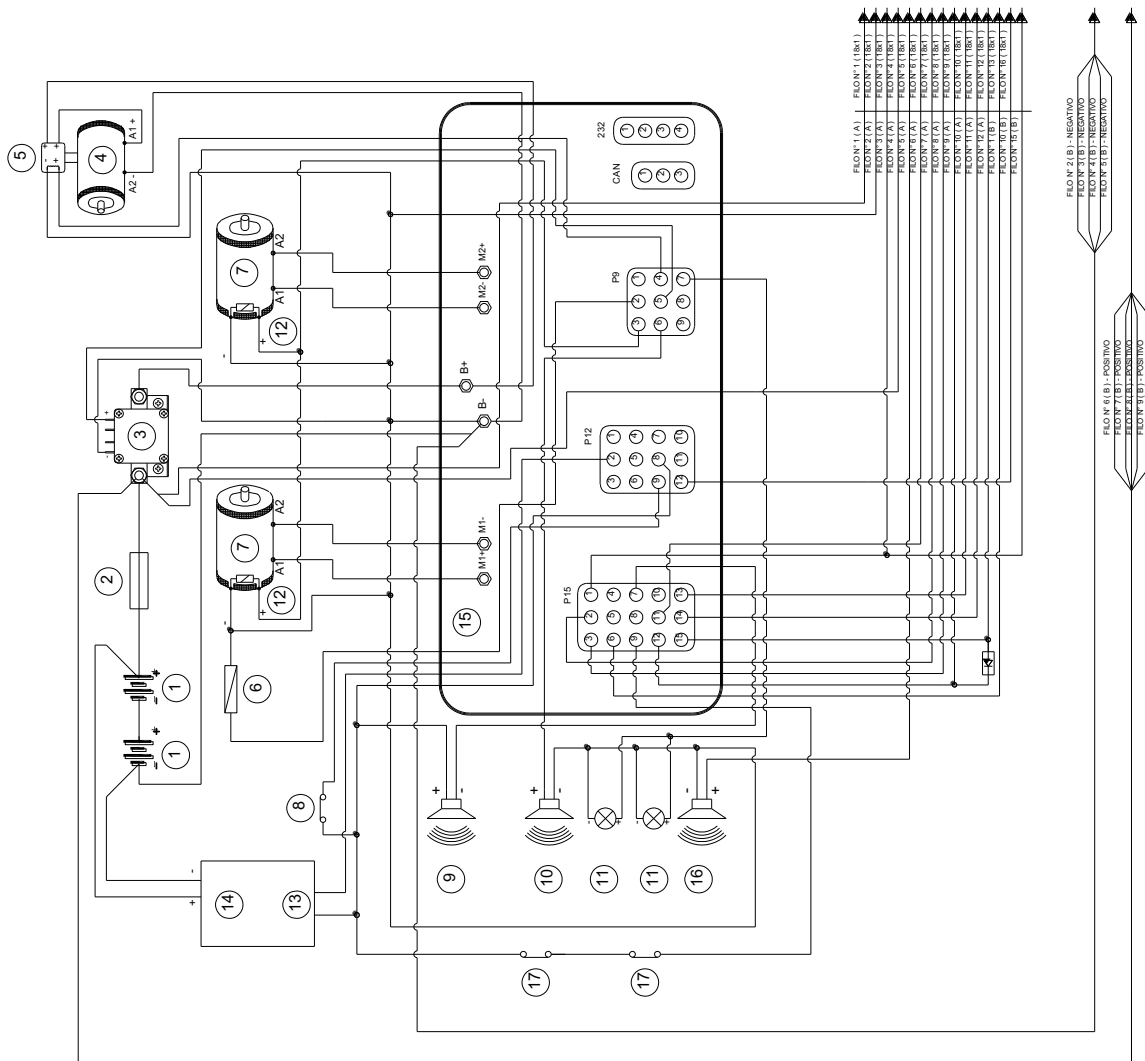
A	B	C	D	E	F	G	H	
Tabella Distinto materiali:								
1	SS1500KEL15	DENOMINAZIONE	Quantità					
				A				
2	EC035M08	Collettore lav KELIS, VMS3; AID	1					
3	EC114268	Toppo expander 08	1					
4	F733014130	Anello O-Ring NBR 70Sh. 110.72x3.53 - 4437	1					
5	ES464008	Valvola max VMS3 130 bar	1					
6	EC114600	Corpo valvola VUIM	1					
7	F735004196	Anello O-Ring NBR 70Sh. 16.36x2.21	1					
8	F749003	VMS3 V2 - Valv. res. scar. sez. eq. 0,196	1					
9	F7370335	TC2-Tappo 3/4 - 16UNF - HI:2,5	1					
10	F749004	VRF35-3 -Strozzat comp. fisso 3lit	1					
11	F732019_2	TC3-Tappo 3/4-16UNF, HI:19	1					
12	EC091100045	Valvola ritegno VU11 - 2 bar	1					
13	ES52435301	Pompa gr1 - 1,0lcc - S - A, X202S	1					
14	ES506FR102355	Tubo aspiraz. pi. curvo 3/8" - Y=40	1					
15	ES52001002	Filtro lam. cil. 3/8"-F- 032 H29 10L 90µ FM04	1					
16	ES511069	Tubo di scarico fe. M2x1 L114 H39	1					
17	EC1270312	Serb. in lam. lit. Dr 1/8 per 411104	1					
18	EC031003C	Tappo sf + fit. TCSZF-1/2"	1					
19	ES5085320017	Tappo in acciaio con DR. 1/2" Corto	1					
20	EC106215	Giunto F012 160-220	1					
21	ES177003	Motore CC 24V-2200W T (C215)	1					
22	ES1781001508F6	Plastina motore-relè speciale in rame	1					
23	EC108012	Covetto L=10cm S1,5 Dc.08-Faston6	1					
24	EC031001	Teleruttore 24V-150A TR	2					
25	EC1601S112	Tappo TCE1 con DR. 1/4"	1					
26	EC1601S109	Tappo di protezione G1/4" - F	1					
27	8006018B10120B2	Tappo di protezione G1/8" - F	1					
B								
C								
D								
E								
F								

A-T-M= G1/4"
B - C = G3/8"

ENNEBINE	MATERIALE	PESO (G.)	N° STAMPA	MATERIALE	PESO (G.)
02	02			02	
03	03			03	
04	04			04	
05	05			05	
IND	IND			IND	
DATA	DATA			DATA	
VER. TECNICO	VER. TECNICO			VER. TECNICO	
APPROVATO	APPROVATO			APPROVATO	
TECNICO	TECNICO			TECNICO	
DENOMINAZIONE					
104 - AIDX/3/P101/S1*/C215/D/F02/1H/G00					
N° CODICE: PIA1012004					
REV. 05					
FECDLID Esplosio cliente					

ATTACHMENT 3 - Electrical layout

Art. N°	Descrizione:	Quantità
1	Batteria 12V - 85Ah	2
2	Fusibile 80 Ah	1
3	Teleruttore di linea	1
4	Motore centralina oleodinamica 24V - 2000W	1
5	Teleruttore centralina oleodinamica 24V - 80Ah	1
6	Elettrovalvola discosa 24V	1
7	Motore trazione 24V - 500W	2
8	Micro Lepre - Tartaruga Pizzato FM502	1
9	Buzzer di allarme Pizzato 21S6A1CV1B	1
10	Buzzer di movimento Pizzato 21S6A1PV1B	1
11	Lampeggiatore 24V	1
12	Elettrofreno 24V	2
13	Relè caricabatterie integrato	1
14	Carica batterie 24V-50/60 Hz. - 10A	1
15	Modulo TS100	1
16	Clacson 24V	1
17	Termico motore trazione	2



SCALA 1:10

REV. 1/01

SCHEMA ELETTRICO ELEVVAH51 MOVE GROUND

DATA: 07/2019

DIS.

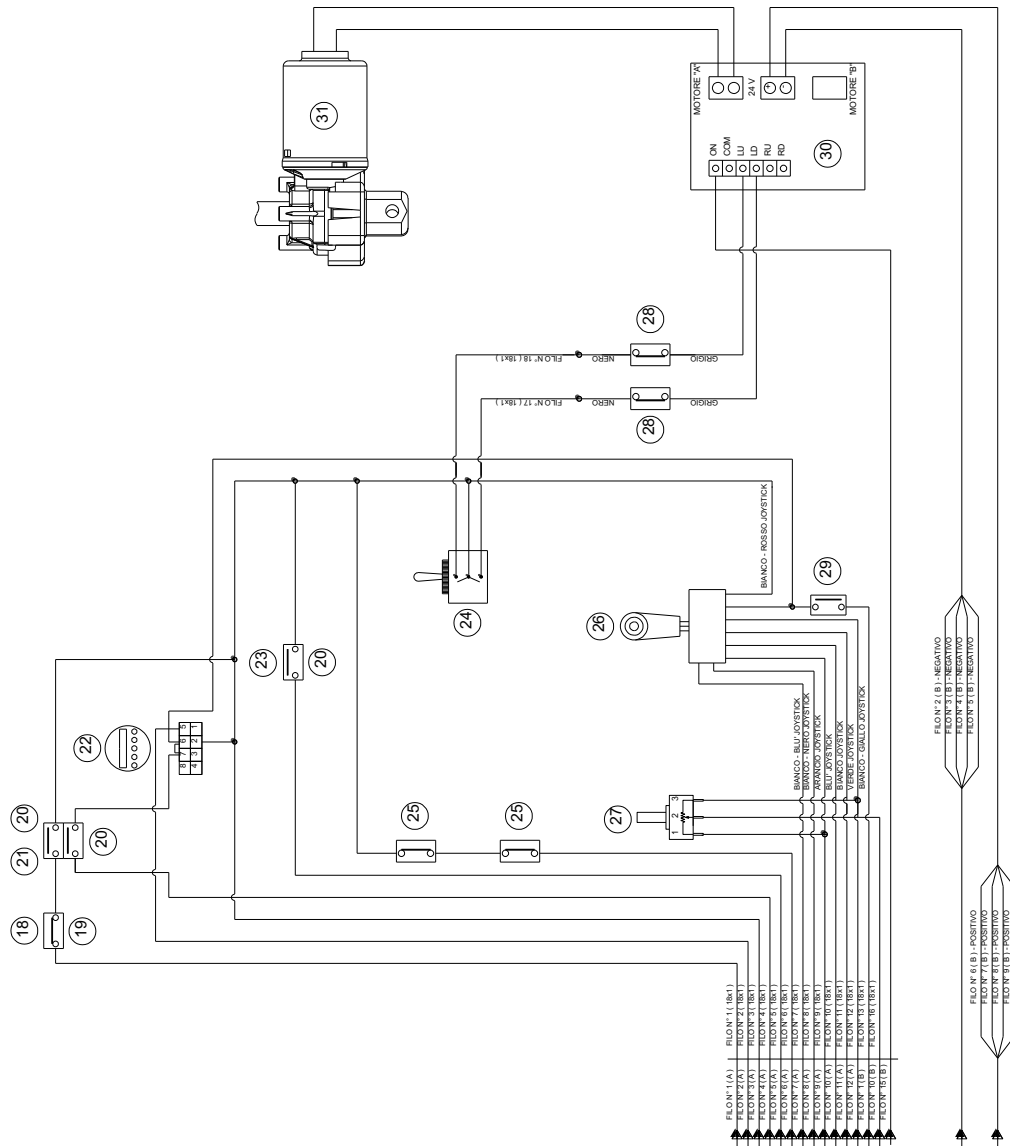
faraone

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QUESTO DISEGNO È DI PROPRIETÀ MA SENZA NESSUNA RIPRODUZIONE È CONSENTITA SENZA LA NOSTRA AUTORIZZAZIONE

Art. N°	Descrizione:	Quantità
18	Fungo di emergenza Pizzato 4PERZ4531	1
19	Contatto NC Pizzato EZCPO1G2V1	1
20	Contatto NO Pizzato EZCPI0G2V1	3
21	Selettore a chiave Pizzato 4SC2AVA11AA	1
22	Indicatore e contatore batterie UB	1
23	Pulsante clacson Pizzato 4PUZS5210	1
24	Commutatore salita - discesa piano	1
25	Micro Pizzato MKV11D17	2
26	Joystick 57400214	1
27	Potenzionetro 5k	1
28	Micro Pizzato B11KA-DN2KPE1S11	2
29	Pulsante presenza uomo	1
30	Azionamento piano picking	1
31	Attuatore piano picking	1



SCHEMA ELETTRICO ELEVVAH51 MOVE PLATFORM

SCALE 1:10

REV. 001

DATA: 07.2019

UBS

Taraome

info@faraone.com

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fax +39 0861 77222
www.faraone.com

QUESTO DISEGNO E' DI PROPRIETA' MA SPA. NESSUNA RIPRODUZIONE E' CONSENTITA SENZA LA NOSTRA AUTORIZZAZIONE.

ATTACHMENT 4 – Inspection certificate**STOCK PICKER****ELEVAH 51 MOVE**

Serial number:

The machine underwent the following tests:

- Brake test
- Overload test
- Operation test

Producing a POSITIVE result.

Tortoreto, on

ATTACHMENT 5 – Declaration of conformity



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C.S. euro 2.000.000 i.v.

**DICHIARAZIONE DI CONFORMITA'-DECLARATION OF CONFORMITY
DECLARATION DE CONFORMITE' – EG KONFORMITÄT SERKLÄRUNG**



Macchina/Machine/Machine/Maschine	Carrello Commissionatore/Stock Picker/Chariot commissionateur/Kommissioniergerät
Modello/Model/Modèle/Modell	XXXXXXXXXX
Matricola/Serial No./Numéro sérial/Laufende Nr.	XXXX/XXXX
Anno/Year/Année/Jahr	XXXX
No. certificato/Technical Report of Compliance Nr. / Rapport technique de conformité No. /Zeugnis Nr.	XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Il sottoscritto Faraone Pier Giuseppe, in qualità di legale rappresentante della ditta FARAONE INDUSTRIE S.p.A. – C.da Salino, Tortoreto (Italia), Costruttore, nonché persona giuridica autorizzata a costituire il fascicolo tecnico per la macchina in oggetto DICHIARA CHE il carrello commissionatore summenzionato è stata fabbricata conformemente ai requisiti di sicurezza e salute previsti dalla Direttiva Macchine 2006/42/CE ed alla norma armonizzata UNI EN 3691-1:2015 ed al modello verificato da: TUV ITALIA S.r.l. – TUV SUD Group, n.0948 Via G. Carducci, 125 pal 23 – 20099 Sesto S. Giovanni (MI) Italy.

Il Fascicolo Tecnico di costruzione è conservato presso la FARAONE INDUSTRIE S.p.A.

Il Fascicolo Tecnico e la versione originale delle istruzioni di uso e manutenzione vengono redatti in lingua italiana.

The undersigned Faraone Pier Giuseppe, as legal representative of the company FARAONE INDUSTRIE S.p.A. – C.da Salino, Tortoreto (Italy), manufacturer, as well as a legal person authorized to compile the technical file for the machine in question, DECLARES THAT, the stock picker mentioned above has been manufactured in accordance with the requirements of safety and health of the Machine Directive 2006/42/CE and harmonized standard UNI EN 3691-1:2015 and model checked by TUV ITALIA S.r.l. – TUV SUD Group, n.0948 Via G. Carducci, 125 pal 23 – 20099 Sesto S. Giovanni (MI) Italy.

The technical reference of the platform are kept in the records of FARAONE INDUSTRIE S.p.A.

The technical file and the original version of the user's manual are written in Italian.

Le soussigné Faraone Pier Giuseppe, agissant en tant que représentant légal de la société FARAONE INDUSTRIE S.p.A. – C. da Salino, Tortoreto (Italie), fabricant, ainsi qu'une personne morale autorisée à constituer le dossier technique de la machine en question DECLARE QUE, le chariot commissionateur susmentionné a été fabriqué en conformité avec les critères de sécurité et de la santé de la Directive Machines 2006/42/CE et la norme harmonisée UNI EN 3691-1:2015 et le modèle certifié par TUV ITALIA S.r.l. – TUV SUD Group, n.0948 Via G. Carducci, 125 pal 23 – 20099 Sesto S. Giovanni (MI) Italy.

Le dossier technique de construction est entreposé chez FARAONE INDUSTRIE S.p.A.

Le dossier technique et la version originale des instructions de fonctionnement et d'entretien sont écrits en italien.

Der unterzeichnete Faraone Pier Giuseppe, als gesetzlicher Vertreter der Firma FARAONE INDUSTRIE S.p.A. – C.da Salino, Tortoreto (Italien), sowie Hersteller und Person die bevollmächtigt ist die technischen Unterlagen für die o.g. Maschine zusammenzustellen, ERKLÄRT dass das o.g. Kommissioniergerät nach den Sicherheits- und Gesundheitsanforderungen der Maschinenrichtlinie 2006/42/EG und der harmonisierten UNI EN 3691-1:2015 gefertigt wurde. Die Maschine ist mit dem Modell identisch welches von TUV ITALIA S.r.l. – TUV SUD Group, n.0948 Via G. Carducci, 125 pal 23 – 20099 Sesto S. Giovanni (MI) Italy, geprüft wurde.

Die technischen Bauunterlagen werden bei FARAONE INDUSTRIE S.p.A. aufbewahren.

Die technischen Unterlagen und die ursprüngliche Version der Bedienungs- und Wartungsanleitungen sind in Italienisch geschrieben.

Tortoreto, XX/XX/XXXX

FARAONE
Industrie spa
C.da Salino - Via San Giovanni, 20
64018 TORTORETO (Te) - Tel. 0861.772221
Fax 0861.772222 - P.IVA 00732060678

Il Legale Rappresentante
(Faraone Pier Giuseppe)

SECTION 10. MAINTENANCE LOGBOOK

MAINTENANCE

OPERATOR: _____

DATE: _____

Monthly

	DONE	
	✓	x
Torque Reducer: Eliminate the accumulation of dust greater than 5 mm. Visual verification of the oil seals to detect any lubricant leaks.		

Every three months

Perform "MONTHLY MAINTENANCE"		
Check there is no clearance, mechanical parts not correctly secured and/or bent and no parts/components desoldered		
Check the integrity of the structural profiles		
Check correct operation of the emergency descent valve		
Check the level of hydraulic oil		
Check the hydraulic oil piping and make sure there are no leaks		
Checking the Battery		
Check the cage and the entrance doors		
Check the controls		
Check the lifting chains		
Check the wheels for wear		

Every six months

Perform "MONTHLY AND THREE-MONTHLY MAINTENANCE"		
Lubrication of moving parts		
Checking sliding wheels		
Transmission motor: Check the wear level of the brushes and the manifold.		
Torque Reducer: Eliminate the accumulation of dust greater than 5 mm. Verification of the oil seals and their replacement if considerably used.		

Every two years

Perform "MONTHLY, THREE-MONTHLY AND SIX-MONTHLY MAINTENANCE"		
Hydraulic oil change		

Every five years

Perform "MONTHLY, THREE-MONTHLY AND SIX-MONTHLY MAINTENANCE"		
Torque Reducer: Inspection and oil change		

Date: _____

Signature: _____

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