SEA USA
ELECTRONIC OPENING SYSTEMS
International registered trademark n. 2.777.971

VERG 24V

Electro-mechanical barrier

C US
LISTED TO
CSA Std C22.2 no. 247-92(R2004)
UL Std no. 325 – 5° Edition

INSTALLATION MANUALS AND SAFETY INFORMATION

SEA USA Inc.
10850 N.W. 21st unit 160 DORAL MIAMI
Florida (FL) 33172 USA
Phone:++1-305.594.1151 Fax: ++1-305.594.7325
Toll Free: 800.689.4716

web site: www.sea-usa.com

e-mail: sales@sea-usa.com

67411750 **Rev. 02 - 03/2018**

SEA USA
ELECTRONIC OPENING SYSTEMS
International registered trademark n. 2.777.971

IMPORTANT SAFETY INFORMATION

GENERAL SAFETY PRECAUTIONS

The following precautions are an integral and essential part of the product and must be supplied to the user Read them carefully as they contain important indications for the safe installation, use and maintenance.

1. These instruction must be kept and forwarded to all possible future users of the system.
2. This product must be used only for that which it has been expressly designed.
3. Any other use is to be considered improper and therefore dangerous.
4. The manufacturer cannot be held responsible for possible damage caused by improper, erroneous or unreasonable use.
5. Avoid operating in the proximity of the hinges or moving mechanical parts.
6. Do not enter the path of the moving gate while in motion.
7. Do not obstruct the motion of the gate as this may cause a situation of danger.
8. Do not allow children to play or stay within the path of the moving gate.
9. Keep remote control or any other control devices out of the reach of children, in order to avoid possible involuntary activation of the gate operator.
10. In case of break down or malfunctioning of the product, disconnect from the main power source. Do not attempt to repair or intervene directly, contact only qualified personnel for repair.
11. Failure to comply with the above may create a situation of danger.
12. All cleaning, maintenance or repair work must be carried out by qualified personnel.
13. In order to guarantee that the system works efficiently and correctly it is important to have the manufacturer's instructions on maintenance of the gate and operator carried out by qualified personnel.
14. In particular, regular checks are recommended in order to verify that the safety devices are operating correctly.

All installation, maintenance and repair work must be documented and made available to the user.

IMPORTANT SAFETY INSTRUCTIONS

WARNING – To reduce the risk of injury or death:

1. READ AND FOLLOW ALL INSTRUCTIONS.
2. Never let children operate or play with gate controls. Keep the remote control away from children.
3. Always keep people and objects away from the gate. NO ONE SHOULD CROSS THE PATH OF THE MOVING GATE.
4. Test the gate operator monthly. The gate MUST reverse on contact with a rigid object or stop when an object activates the non-contact sensors. After adjusting the force or the limit of travel, retest the gate operator. Failure to adjust and retest the gate operator properly can increase the risk of injury or death.
5. Use the emergency release only when the gate is not moving
6. KEEP GATES PROPERLY MAINTAINED. Read the owner's manual. Have a qualified service person make repairs to gate hardware.
7. The entrance is for vehicles only. Pedestrians must use separate entrance.
8. Every gate operator installation MUST have secondary protection devices agains entrapments, such as edge sensors and photo beams more in particulary in places where the risk of entrapments is more likely to occur
9. SAVE THESE INSTRUCTIONS

PERIODICAL MAINTENANCE

TURNING OFF THE POWER

Clean and grease parts in movement (wheels, counter-connecting rod, release, etc.)	Annual
Check for corroded parts and replace if necessary	Annual
Check if the screws and all mounting hardwares are properly tighten	Annual
Check the conditions of wear and tear of the devices in movement	Annual
Check the correct drain of the rainwater	Annual
Check the integrity of the connection cables	Annual
Inspect the track for any signs of cracking or separation	Annual
Ensure that the gate moves freely	Annual

BY MAIN POWER SOURCE TURNED OFF Check the battery conditions and be sure that connections are free of corrosion Verify the functionally of the battery backup, or power failure option	Annual

TURNING ON THE POWER

Check and confirm the proper operation of all safety devices (photocells, edge sensors etc)	Annual
Check and confirm the operation of all installed accessories	Annual
Check and confirm the operation of the manual release	Annual

All the above described operations must be made exclusively by an authorized installer

GENERAL SAFETY INFORMATION

An appliance shall be provided with an instruction manual. The instruction manual shall give instructions for the installation, operation, and user maintenance of the appliance.
The installation instructions shall specify the need for a grounding-type receptacle for connection to the supply and shall stress the importance of proper grounding.
The installation instructions shall inform the installer that permanent wiring is to be employed as required by local codes, and instructions for conversion to permanent wiring shall be supplied.

Information shall be supplied with a gate operator for:

a) The required installation and adjustment of all devices and systems to effect the primary and secondary protection against entrapment (where included with the operator).
b) The intended connections for all devices and systems to effect the primary and secondary protection against entrapment. The information shall be supplied in the instruction manual, wiring diagrams, separate instructions, or the equivalent.

Vehicular gate operators (or systems)

A vehicular gate operator shall be provided with the information in the instruction manual that defines the different vehicular gate operator Class categories and give examples of each usage. The manual shall also indicate the use for which the particular unit is intended as defined in Glossary, Section 3. The installation instructions for vehicular gate operators shall include information on the Types of gate for which the gate operator is intended.

A gate operator shall be provided with the specific instructions describing all user adjustments required for proper operation of the gate. Detailed instructions shall be provided regarding user adjustment of any clutch or pressure relief adjustments provided. The instructions shall also indicate the need for periodic checking and adjustment by a qualified technician of the control mechanism for force, speed, and sensitivity.

Instructions for the installation, adjustment, and wiring of external controls and devices serving as required protection against entrapment shall be provided with the operator when such controls are shipped with the operator.

Instructions regarding intended installation of the gate operator shall be supplied as part of the installation instructions or as a separate document. The following instructions or the equivalent shall be supplied where applicable:

IMPORTANT INSTALLATION INSTRUCTIONS

a) Install the gate operator only when:
1) The operator is appropriate for the construction of the gate and the usage Class of the gate,
2) All openings of a horizontal slide gate are guarded or screened from the bottom of the gate to a minimum of 4 feet (1.22 m) above the ground to prevent a 2-1/4 inch (57.2 mm) diameter sphere from passing through the openings anywhere in the gate, and in that portion of the adjacent fence that the gate covers in the open position,
3) All exposed pinch points are eliminated or guarded, and
4) Guarding is supplied for exposed rollers.

b) The operator is intended for installation only on gates used for vehicles. Pedestrians must be supplied with a separate access opening. The partial access opening shall be designed to promote pedestrian usage. Locate the gate such that persons will not come in contact with the vehicular gate during the entire path of travel of the vehicular gate.

c) The gate must be installed in a location so that enough clearance is supplied between the gate and adjacent structures when opening and closing to reduce the risk of entrapment. Swinging gates shall not open into public access areas.

d) The gate must be properly installed and work freely in both directions prior to the installation of the gate operator. Do not over-tighten the operator clutch or pressure relief valve to compensate for a damaged gate.

e) The gate operator controls must be placed so that the user has full view of the gate area when the gate is moving and AWAY FROM THE GATE PATH PERIMETER.

f) Controls intended for user activation must be located at least six feet (6') away from any moving part of the gate and where the user is prevented from reaching over, under, around or through the gate to operate the controls. Outdoor or easily accessible controls shall have a security feature to prevent unauthorized use.

g) The Stop and/or Reset button must be located in the line-of-sight of the gate. Activation of the reset control shall not cause the operator to start.

h) A minimum of two (2) WARNING SIGNS shall be installed, one on each side of the gate where easily visible

i) For gate operators utilizing a non-contact sensor:

1) See instructions on the placement of non-contact sensors for each Type of application
2) Care shall be exercised to reduce the risk of nuisance tripping, such as when a vehicle, trips the sensor while the gate is still moving
3) One or more non-contact sensors shall be located where the risk of entrapment or obstruction exists, such as the perimeter reachable by a moving gate or barrier

j) For a gate operator utilizing a contact sensor:

1) One or more contact sensors shall be located where the risk of entrapment or obstruction exists, such as at the leading edge, trailing edge, and postmounted both inside and outside of a vehicular horizontal slide gate.
2) One or more contact sensors shall be located at the bottom edge of a vehicular vertical lift gate.
3) One or more contact sensors shall be located at the pinch point of a vehicular vertical pivot gate.
4) A hardwired contact sensor shall be located and its wiring arranged so that the communication between the sensor and the gate operator is not subjected to mechanical damage.
5) A wireless contact sensor such as one that transmits radio frequency (RF) signals to the gate operator for entrapment protection functions shall be located where the transmission of the signals are not obstructed or impeded by building structures, natural landscaping or similar obstruction. A wireless contact sensor shall function under the intended end-use conditions.
6) One or more contact sensors shall be located on the inside and outside leading edge of a swing gate. Additionally, if the bottom edge of a swing gate is greater than 6 inches (152 mm) above the ground at any point in its arc of travel, one or more contact sensors shall be located on the bottom edge.
7) One or more contact sensors shall be located at the bottom edge of a vertical barrier (arm).

Instruction regarding intended operation of the gate operator shall be provided as part of the user instructions or as a separate document. The following instructions or the equivalent shall be provided

NOTICE

As for misunderstandings that may arise refer to your area distributor or call our help desk. These instructions are part of the device and must be kept in a well known place. The installer shall follow the provided instructions thoroughly. SEA products must only be used to automate doors, gates and wings. Any initiative taken without SEA USA Inc. explicit authorization will preserve the manufacturer from whatsoever responsibility. The installer shall provide warning notices on not assessable further risks. SEA USA Inc. in its relentless aim to improve the products, is allowed to make whatsoever adjustment without giving notice. This doesn't oblige SEA to up-grade the past production. SEA USA Inc. can not be deemed responsible for any damage or accident caused by product breaking, being damages or accidents due to a failure to comply with the instructions herein. The guarantee will be void and the manufacturer responsibility will be nullified if SEA USA Inc. original spare parts are not being used. The electrical installation shall be carried out by a professional technician who will release documentation as requested by the laws in force. Packaging materials such as plastic bags, foam polystyrene, nails etc must be kept out of children's reach as dangers may arise.

To respect the norms in force it is recommended to use the ENCODER SYSTEM together with the electronic control units

Changes to UL 325 ED. 6th for Gate Operators

Starting on Jan. 12, 2016, new UL 325 changes take effect, bringing a series of new mandates for the gate operator industry. Here's a quick guide to the key modifications.

1. Entrapment-Protection Devices. Gate operators are required to have a minimum of two independent means of entrapment protection where the risk of entrapment or obstruction exists. A manufacturer can use two inherent-type systems, two external-type systems, or an inherent and an external system to meet the requirement. However, the same type of device cannot be used for both means of protection.

2. Monitoring Required. An external non-contact sensor or contact sensor may be used as a means of entrapment protection. However, the sensor must be monitored once every cycle for (1) the correct connection to the operator and (2) the correct operation of the sensor.
If the device is not present, not functioning, or is shorted, then the gate operator can only be operated by constant pressure on the control device. Portable wireless controls will not function in this case.

3. Entrapment Risk Identification. As in the past, it's up to the installer to examine the installation and determine where a risk of entrapment or obstruction exists. Manufacturers are required to provide instructions for the placement of external devices, but they give only examples of suggested entrapment protection in their installation manuals. If the installer identifies a risk of entrapment or obstruction, at least two independent means of entrapment protection are required.

4.**Terminology Change.** The terms "primary" and "secondary" have been removed in the description of entrapment protection devices. This was done to emphasize that all entrapment protection devices are equally important.

5. The End of Type E. Type E (audible alarm) devices can no longer be used for entrapment protection. This change was made because the Type E device is really a warning device, not an entrapment-protection device. Also, all gate operator classes are now required to have an audio alarm that sounds when two successive obstructions are encountered via a contact-type system.

6. Access Control Location for Emergency Use. An exception has been added in the manufacturer's instructional requirements for the location of controls that operate the gate.
The instructional requirements state that these controls must be at least 6' away from any moving part of the gate. In the new exception, "Emergency access controls only accessible by authorized personnel (e.g., fire, police, EMS) may be placed at any location in the line-of-sight of the gate."

7. Barrier-Arm Operator Exception. An exception has changed for barrier-arm gate operators requiring entrapment protection. The previous exception stated that a barrier-arm operator did not require entrapment protection if the arm did not move toward a rigid object closer than 2'. The distance has been reduced to 16" so it more closely aligns with the industry-defined entrapment protection provisions in ASTM F2200.

8. Gate Operator Class II and Class III Definitions. The definitions for installation classes for gate operators were modified. Class II now includes commercial locations *accessible* to the general public. Class III was refined to specify industrial locations *not accessible* to the general public. These changes, while seemingly minor, may affect which gate operator is suitable for a particular installation location.

UL 325 ED. 6th ENTRAPMENT PROTECTION REQUIREMENTS

VEHICULAR GATE OPERATOR CLASSES

Residential Vehicular Gate Operator-Class I: A vehicular gate operator (or system) intended for use in garages or parking areas associated with a residence of one-to-four single families

Commercial/General Access Vehicular Gate Operator-Class II: A vehicular gate operator (or system) intended for use in a commercial location or building such as a multi-family housing unit (five or more single family units), hotel, garages, retail store, or other buildings accessible by or servicing the general public

Industrial/Limited Access Vehicular Gate Operator–Class III: A vehicular gate operator (or system) intended for use in an industrial location or building such as a factory or loading dock area or other locations not accessible by or intended to service the general public

Restricted Access Vehicular Gate Operator–Class IV: A vehicular gate operator (or system) intended for use in an industrial location or building such as a factory or loading dock area or other locations not accessible by or intended to service the general public

This vehicular gate operator must be installed with at least two independent entrapment protection means as specified in the table below.

GATE OPERATOR CATEGORY Effective January, 12 2016		
ENTRAPMENT PROTECTION TYPES	**HORIZONTAL SLIDE VERTICAL LIFT - VERTICAL PIVOT**	**SWING VERTICAL BARRIER (ARM)**
	A , B1*, B2* or D	A , B1*, B2*, C or D
TYPE A	Inherent entrapment protection system	
TYPE B1	Non-contact sensors such as photoelectric sensors or equivalents	
TYPE B2	Contact sensors such as edge sensors or equivalent devices	
TYPE C	Inherent force limiting, inherent adjustable clutch or inherent pressure relief device	
TYPE D	Actuating device requiring constant pressure to maintain opening or closing motion of the gate	

The same type of device shall not be used for both entrapment protection means. Use of a single device to cover both the opening and closing directions is in accordance with the requirement; however, a single device is not required to cover both directions. Tice installer is required to install entrapment protection devices in each entrapment zone

VERITICAL BARRIER NOTE:
Barrier gate operators (arm) that is not intended to move toward a rigid objact closer than 16 inches (406mm) are not required to be provided with a means of entrapment protection

*** B1 and B2 means of entrapment protection MUST be MONITORED**

VERG 24V BARRIER

General features

VERG 24V is an electro-mechanical barrier (6,56 - 9,84 - 13,12 - 16,40 - 19,69 feet) with Encoder recommended for the automation of access points which require a high opening/closing speed (parking lots, motorways, airports, etc.) and frequent use features. The automation includes an anti-crush security system with adjustable sensitivity, which guarantees a barrier force value not exceeding 33 Lb, thus protecting people and objects from any accidents. A highly reliable slowdown device guarantees the total control of the forces of inertia. The emergency batteries guaranty at least 15 opening cycles (depending on the installed accessories) in case of power failure and a release system allows the manual opening in case of emergency

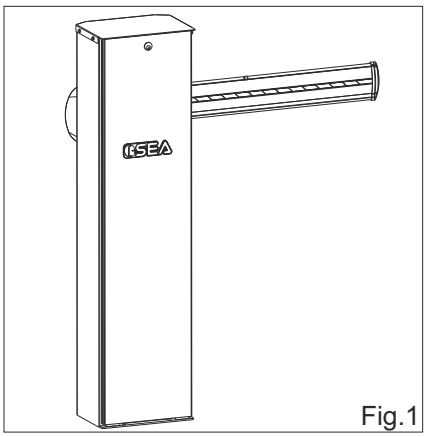


Fig.1

MAIN COMPONENTS

The automation system is composed of the following elements:

1 Adjustable mechanical stop
2 Manual release system with key
3 Galvanised steel rocker arm
4 Casing cover with lock and DIN key
5 Balancing spring
6 Electronic control unit
7 Anchoring plate out of galvanized steel (optional)
8 Emergency batteries 2x12V 2Ah (optional)
9 24V⎓ - 2400 rpm electric motor (24V⎓ gearmotor with Encoder)
10 Cataphoresis-treated and polyester painted casing, for outside use; it protects all mechanical and electronic devices from fire, flood, lightning, etc.
Stainless steel casing available on request
11 Battery charger circuit

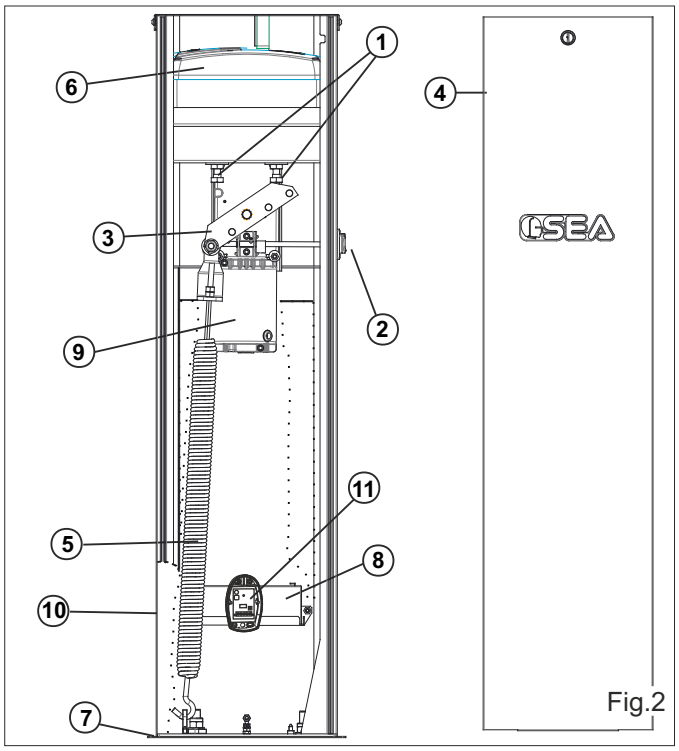


Fig.2

OVERALL DIMENSIONS (in inches)

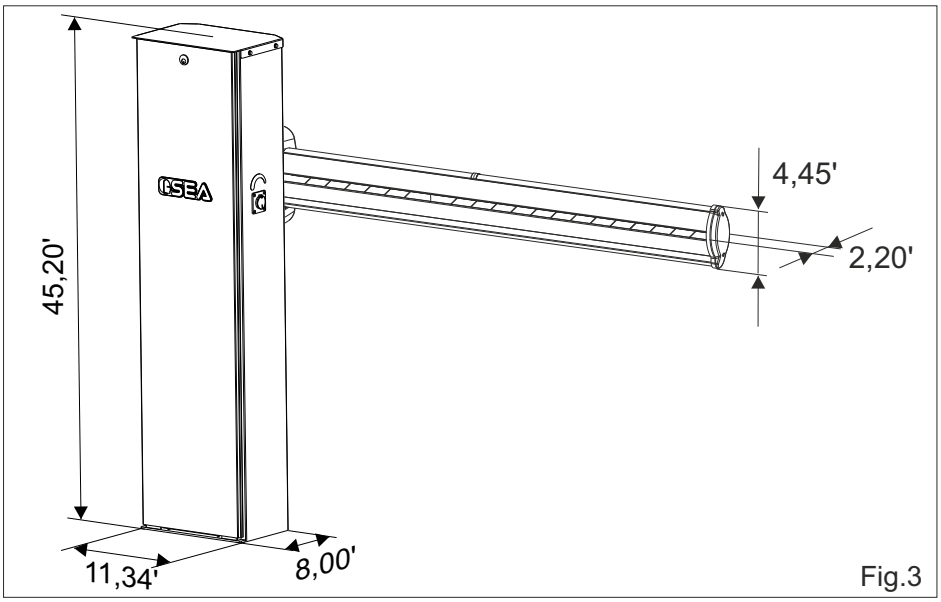


Fig.3

TECHNICAL FEATURES	VERG 230V	VERG 115V
Supply voltage	230 V~ ± 5% - 50/60 Hz	115 V~ ± 5% - 50/60 Hz
Motor power supply	24Vdc	
Motor power	60 W	
Motor speed	2400 RPM	
Working temperature	-20°C + 55°C	
Opening/closing time	Adjustable	
Protection class	IP55	
Manual release system	Yes	
Usage frequency	60%	
Anti-crushing device	Ammeter	
Holding block	Yes	
Slowdown	Electronic	
Barrier body treatment	Cataphoresis treated and polyester painted	
Weight	86 Lb	
Electronic equipment	USER 1 24V	
Encoder	yes	yes

Note: The frequency of use is valid only for the first hour at 20°C room temperature

BEAMS RECOMMENDED SPEED

VERG	6,56 ft	9,84 ft	13,12 ft	16,40 ft	19,69 ft	Articulated beam 9,84 ft
Opening time*	2-3 sec	3-4 sec	4-5 sec	5-6 sec	6-7 sec	5-6 sec
Frequency**	60%	50%	45%	35%	30%	35%

*To guarantee longer life of the barrier, SEA recommend to adjust the speed giving an extra time of at least 1 sec from the Max Speed as for this chart.

** SEA grant those performances only for the 1st hour of operation. After 1 st hours cycles can drop up to 50%. Cycles are granted only with slowdown active. Periodically check the balance of the beam.

INSTALLATION INSTRUCTIONS

1) Spring position

Opening on the left

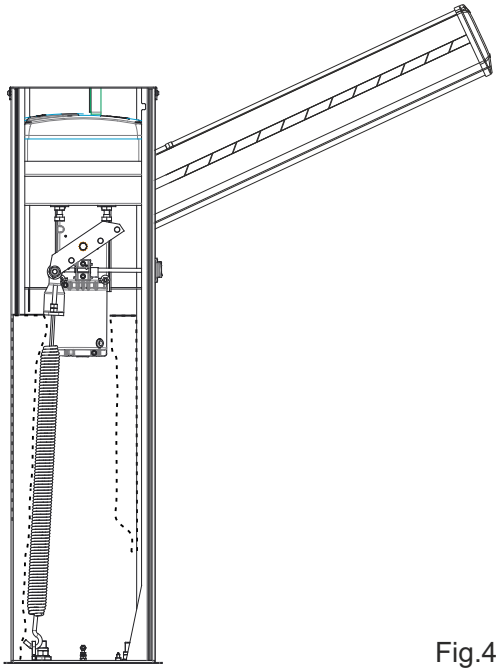


Fig.4

Thanks to its high flexibility, the barrier you are installing can be closed on the right-hand or left-hand side of the post, according to your needs.

e.g. if the spring is on the right-hand side, the guard closes on the left (see Fig. 5)

Opening on the right

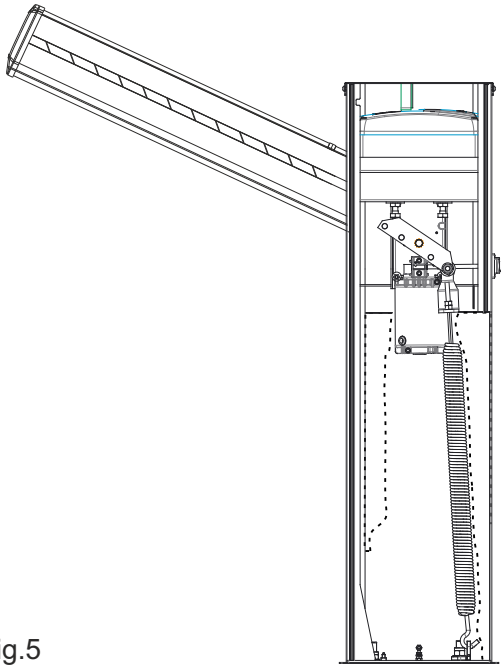


Fig.5

2) Foundation plate anchoring

- Make a 19,69 x 19,69 x 11,81 inches (depth) hole in the ground.
- Fill the hole with R425 concrete and place the foundation plate as shown in Fig. 6.
- Accurately level the plate.

* The middle hole of the plate must be used for cable routing. Therefore, make sure that the conduit connected to the hole complies with current regulations, before filling the hole with concrete

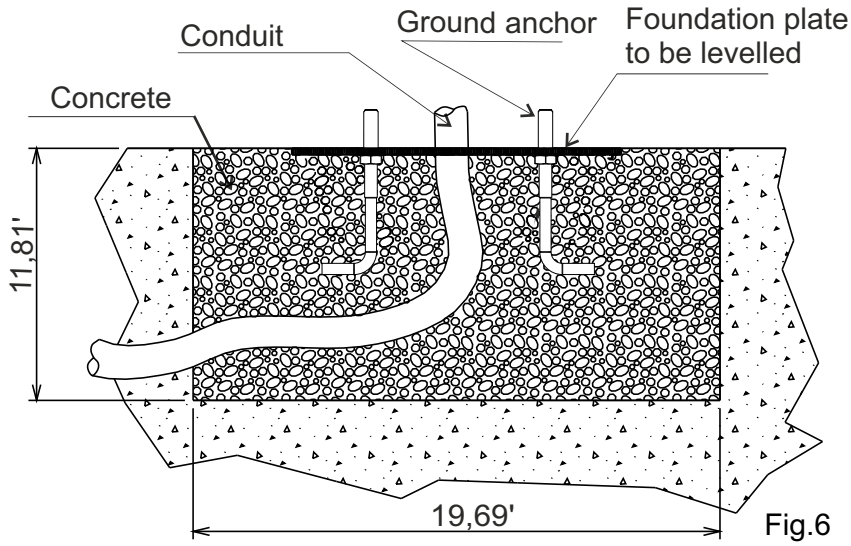


Fig.6

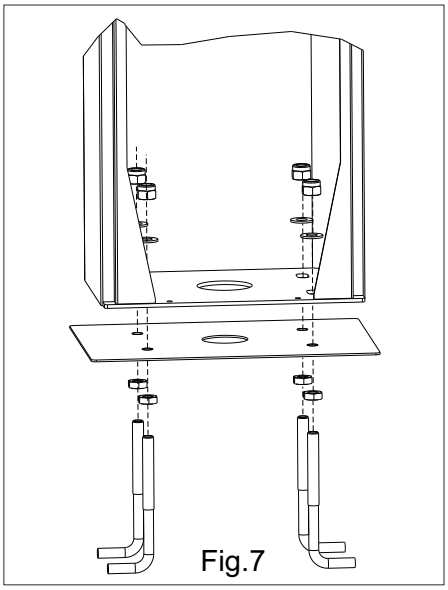


Fig.7

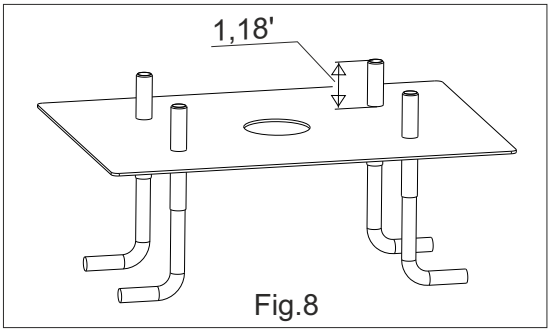


Fig.8

3) Post anchoring on the foundation plate

- Place the casing so that the holes on the base match the screws located on the foundation plate.
- Make sure that the conduit for the cables goes through the large hole of the casing base.
- Insert the bracket for anchoring the spring: A in case of left-hand mounting, B in case of right-hand mounting; the bracket must always be positioned towards the inside as in Fig.9
- Fix the casing on the foundation plate, screwing the supplied nuts and washers carefully.

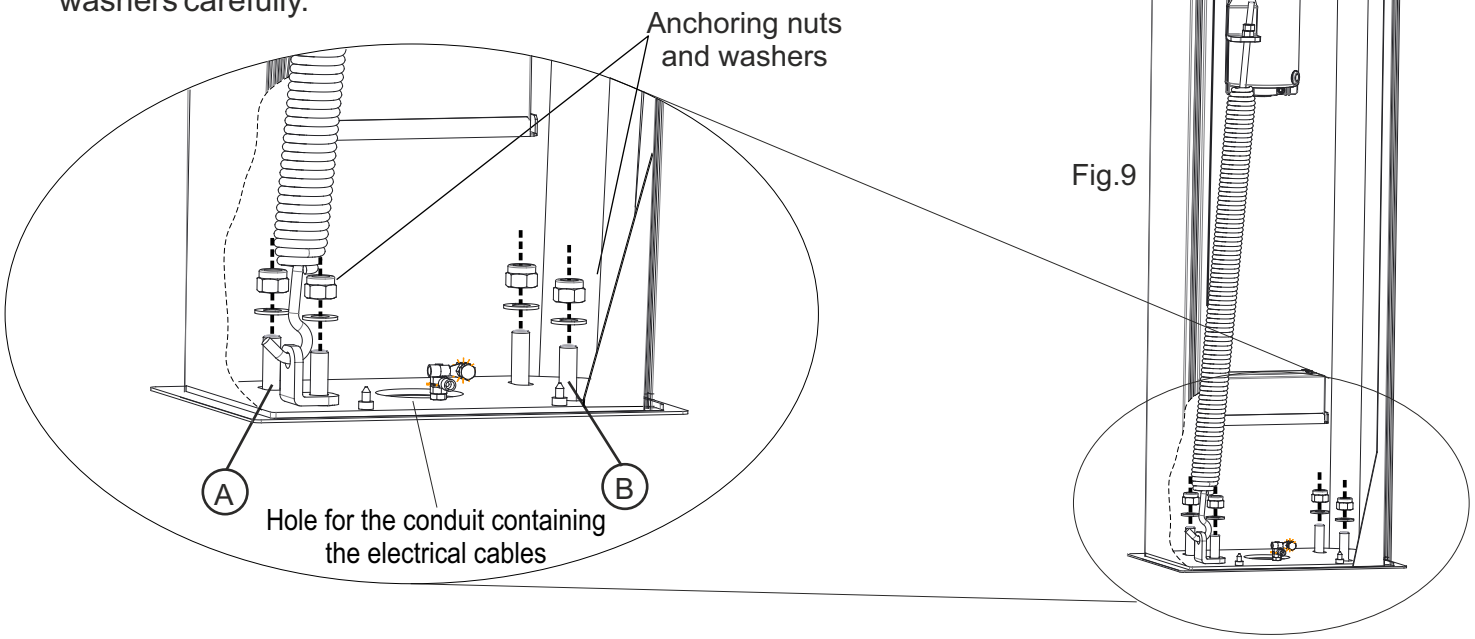


Fig.9

4) Fixation of the balance

- Fix the bracket for beam fixation (A) into the balance as shown in Fig. 10
- Clamp the nut (B) with a tightening of 40 Nm
- **Lubricate all parts with the provided grease after assembling**

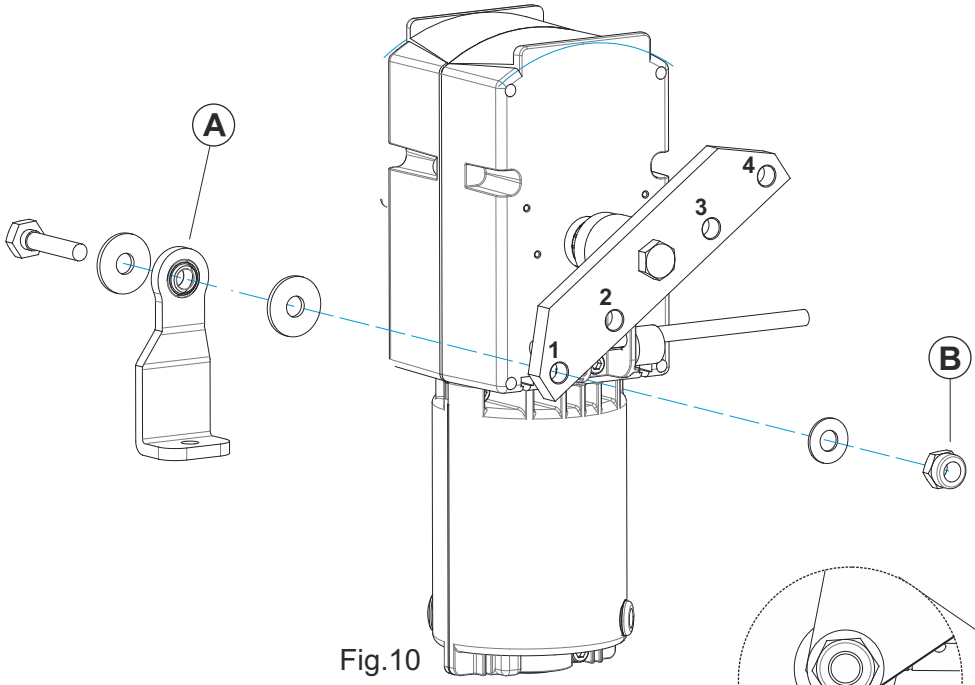


Fig.10

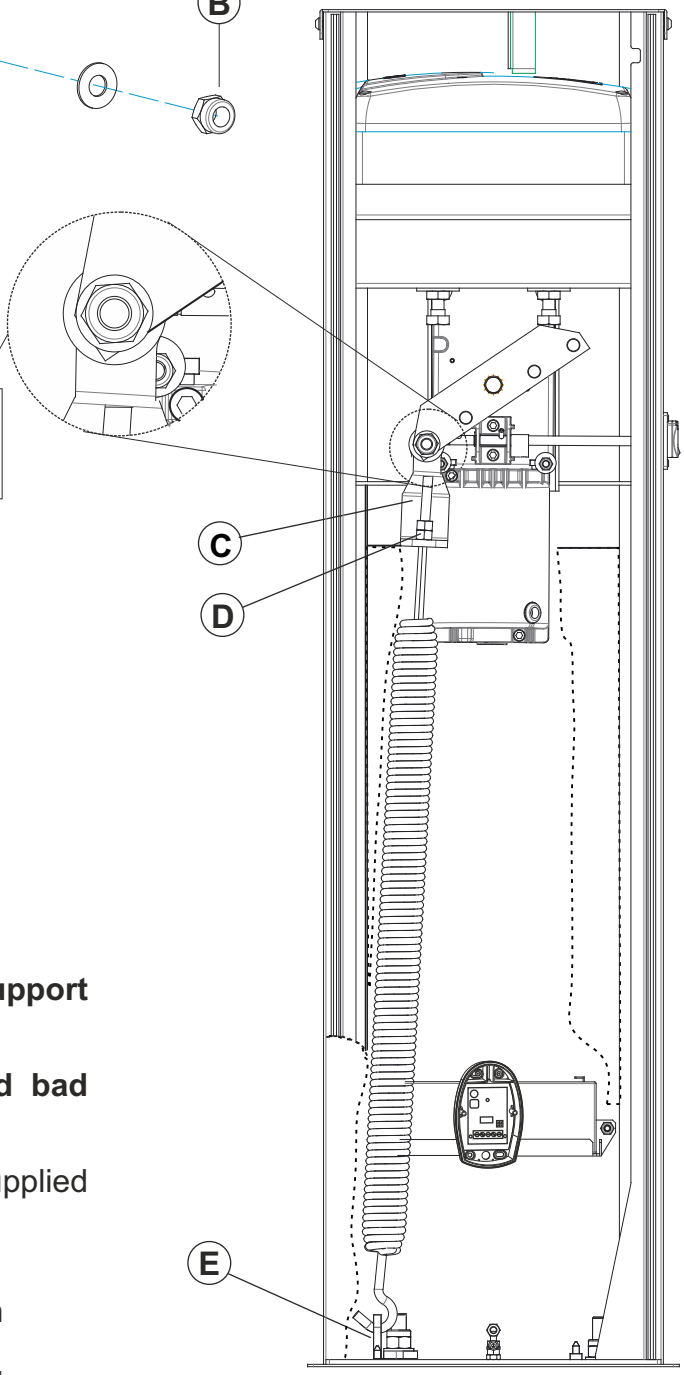


Fig.11

OVAL BEAM

Length (feet)	Balance Position	Spring (Ø inches)	**Opening Time**
9,84	1 / 4	0,24'	**3" ÷ 4"**
13,12	1 / 4	0,30'	**4" ÷ 5"**
16,40	1 / 4	0,33'	**5" ÷ 6"**
19,69 *	1/4	0,35	**6" ÷ 7"**

*** With 19,69 feet beam length the use of the fork support is recommended**

Note: Strictly follow the opening time to avoid bad working

Note: The springs and the bracket of anchorage are supplied with the beam

5)Mounting of the spring

- Anchor the spring on the bracket which has been mounted before (E)
- Insert the rod of the spring into the bracket (C) and insert the nuts (D) without tightening them

6) Mounting of the oval beam

Note: For 13,12 ft - 16,40 ft - 19,69 ft beams it is recommended to use the fork support or the flexible support.

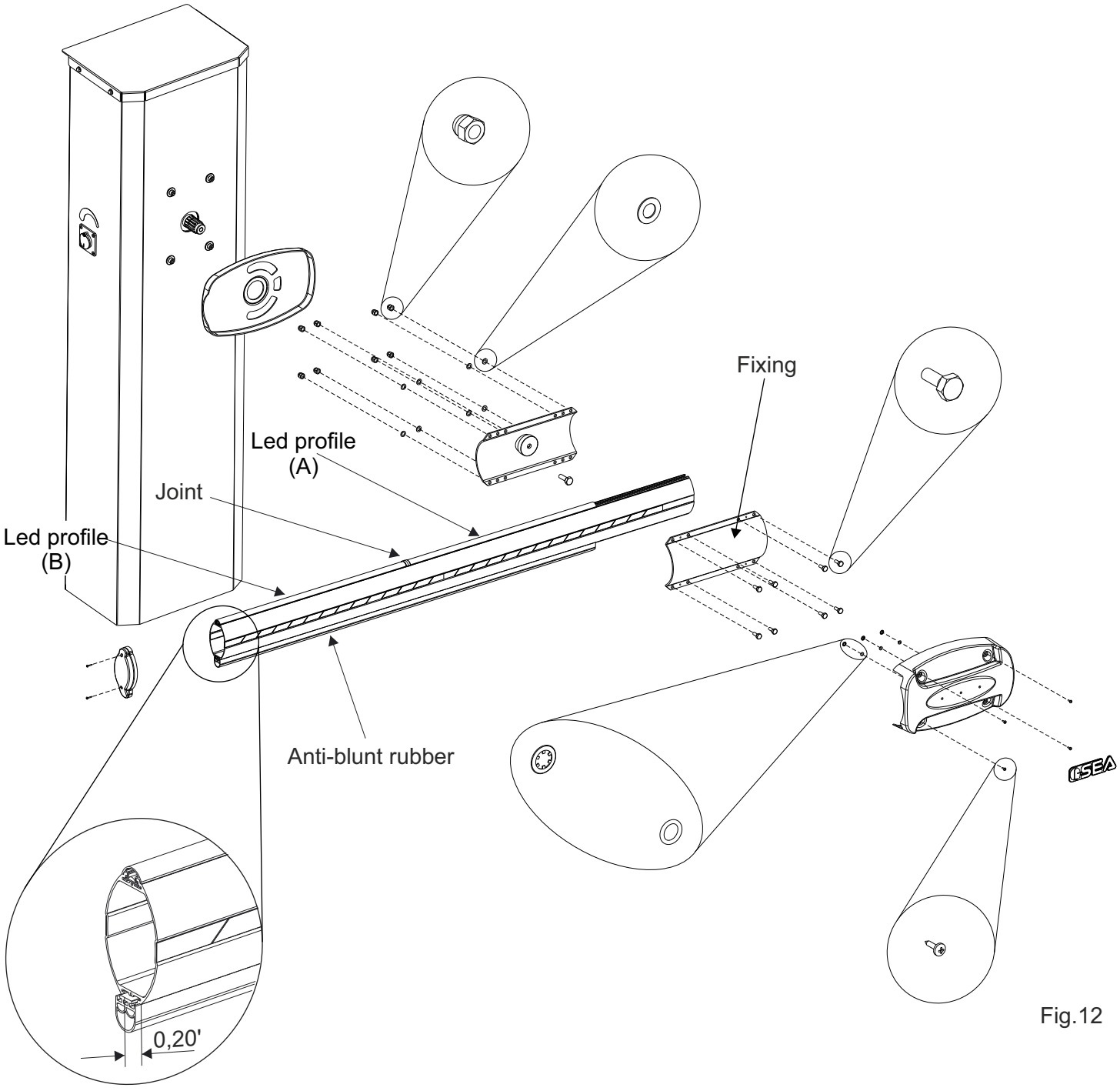


Fig.12

Fig. 12-a

Mount the first segment (A) of the LED profile, positioning it in door stop on the fixing, mount the joint, fit the second segment (B) of the LED profile and repeat the operation for all segments of the LED profile up to covering the length of the whole beam. The last profile LED must be cut with a hacksaw at the end of the rod (Fig.12-a). Intersperse each segment of the LED profile with a joint.
Mount the anti-blunt rubber so that it comes out from the beam about 0,20' inches (Fig.12-a).

7) Beam balancing

- Release the beam with manual release, so that it is free to be opened and closed manually (Fig.13).
- Place the beam at approx. 45°.
- Loosen or tighten the spring stretching nut until the spring counterbalances the weight of the 45° beam (Fig.13). The best balancing position is obtained when the beam reaches the position shown in Fig. 13.
- After having obtained the balancing, lock the nuts of the spring stretcher with the counter nut and re-block the motor.

Should the balancing of the beam not be perfect and the length of the spring stretcher (T) be too long, cut it about half of its length.

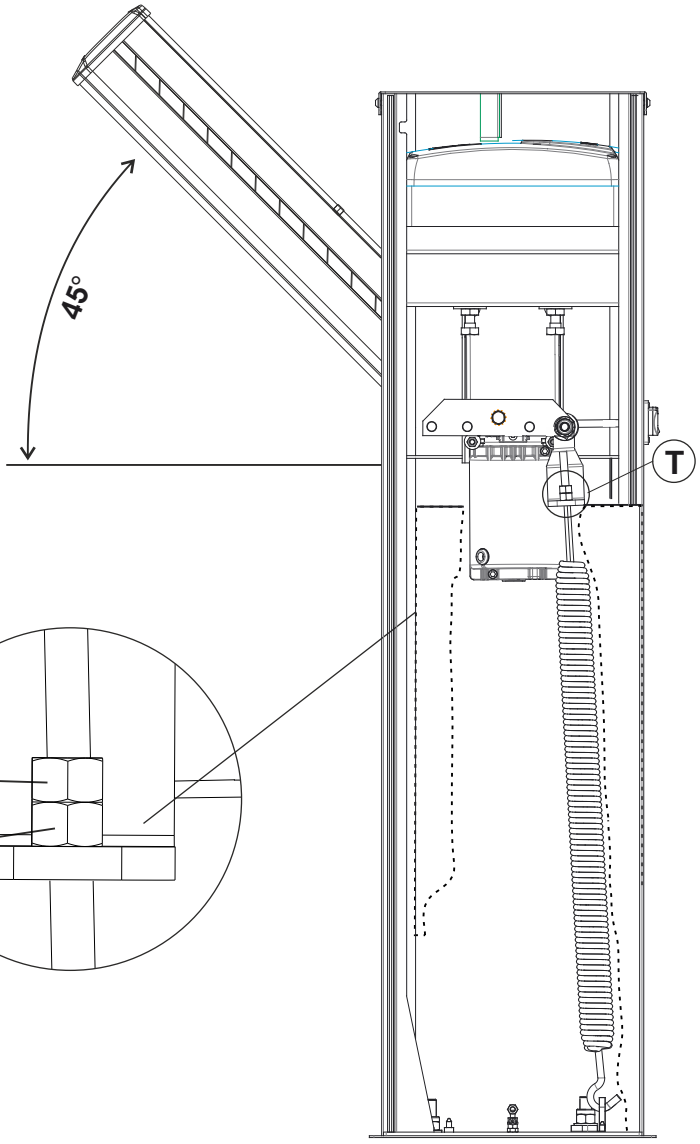


Fig. 13

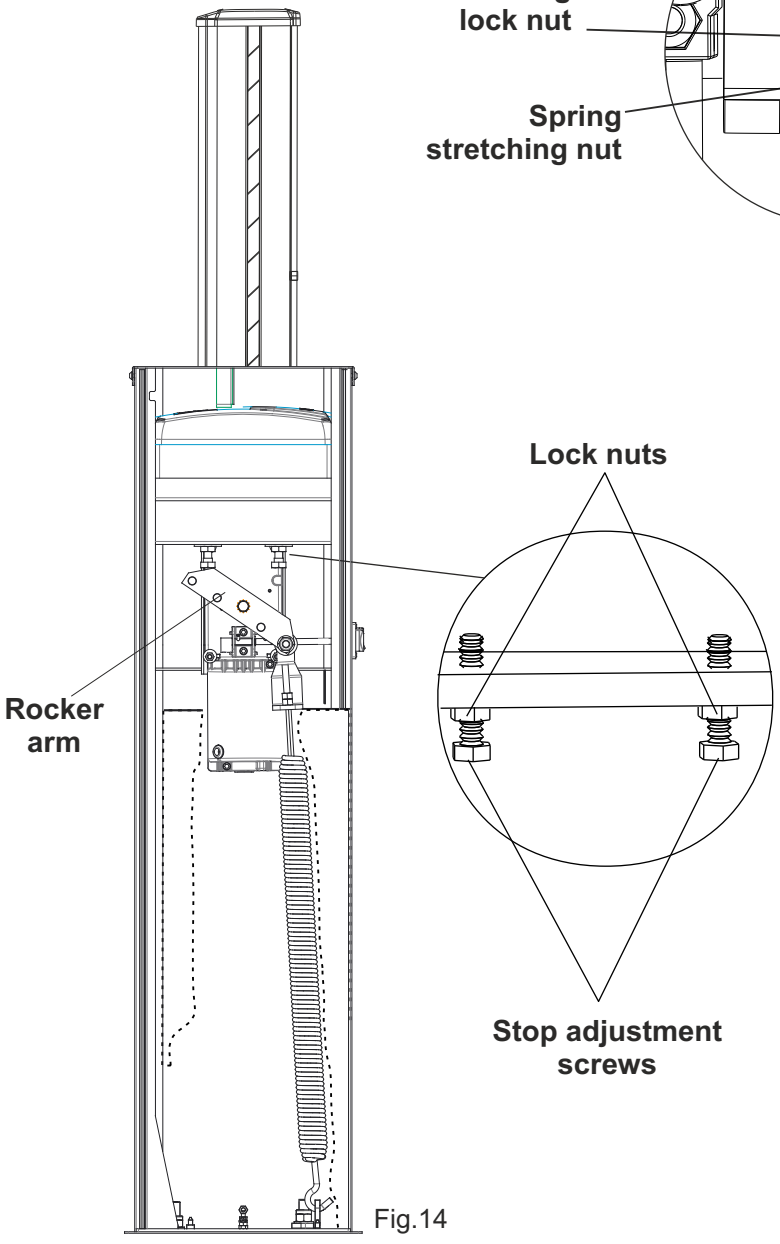


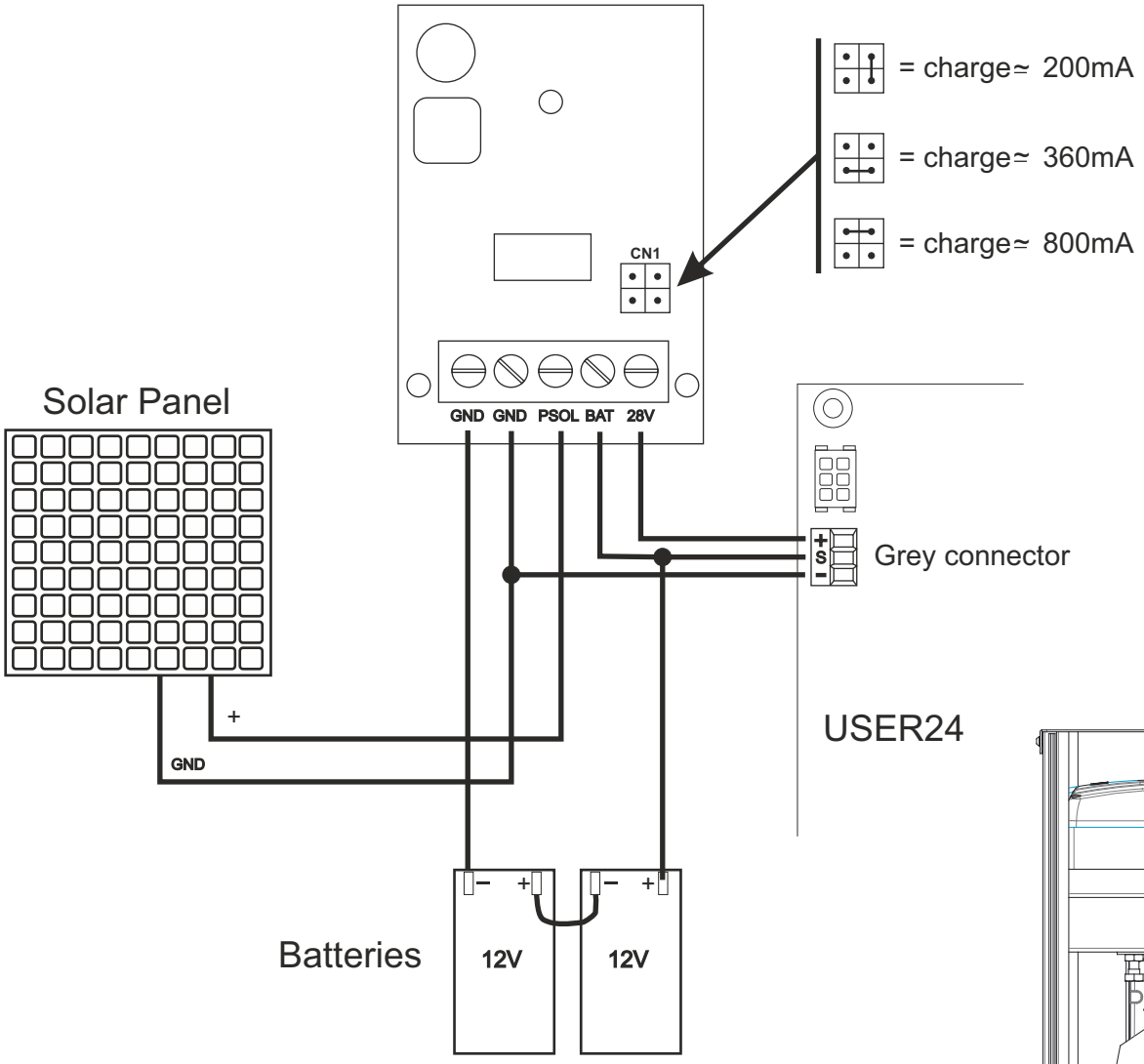
Fig.14

8) Beam levelling

Note: this operation must be carried out only if the beam is not perfectly horizontal (closing stage) or vertical (opening stage) at the end of its stroke.

- Release the beam with the special manual release so that it is free to open and close manually.
- Release the screws of the limit switch on unscrewing the nuts on the mechanical stops (Fig.14).
- Loosen or tighten the stop screws so that the beam is released in its vertical position (opening stage) (Fig. 14) and horizontal position (closing stage).
- After having executed the levelling lock the screws of the limit switch tightening the nuts on the mechanical stops and re-lock the beam.

9) Battery charger circuit (OPTIONAL)



Battery current (mA)	Battery (Ah)
800	12 or 16
360	7
200	2

Note: For a longer duration of the battery it is recommended to set the charging current according to the following table

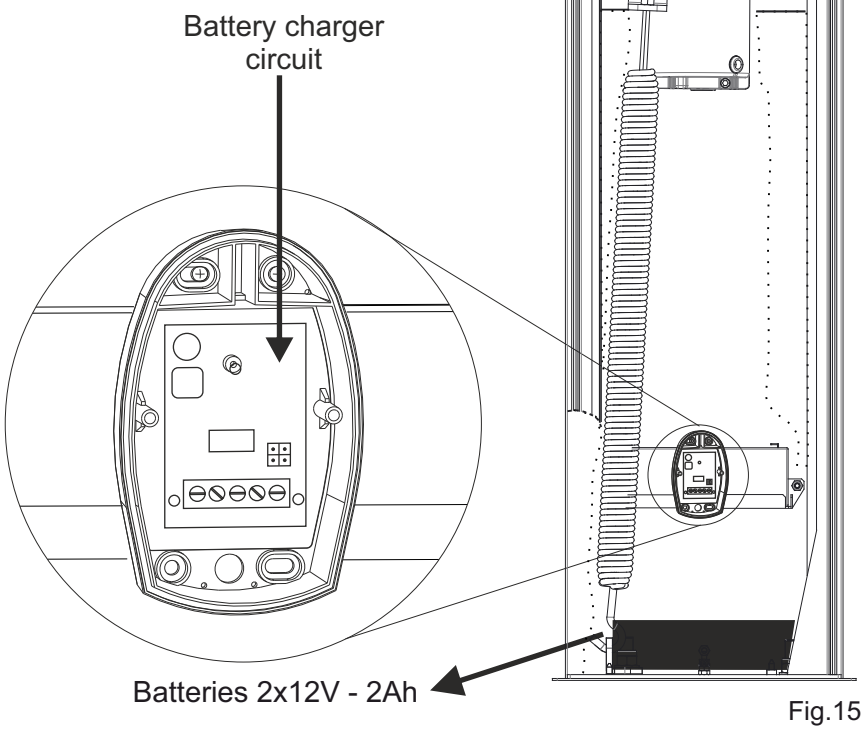


Fig.15

10) Drilling scheme for passage of light power cable

Use hole **A** for assembly of the right beam
Use hole **B** for assembly of the left beam
Holes **B** and **A** to be made on carter

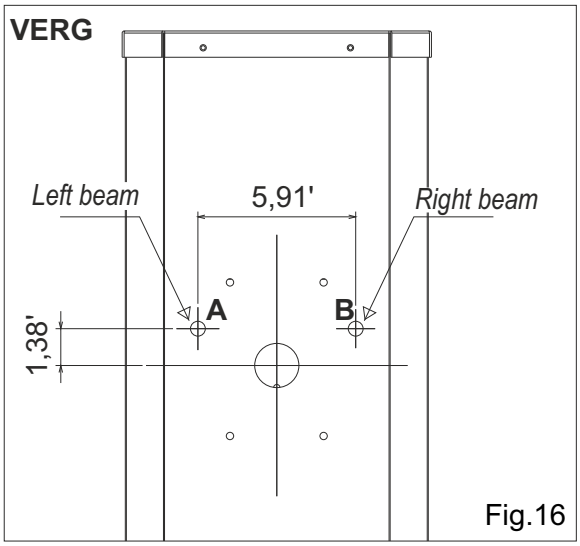


Fig.16

11) Electrical system

Fig. 17 sketches the electrical system that the barrier requires.
The two numbers located near the electrical cables indicate the cable number and section.

Captions:
1- VERG electronic control unit
2- Transmitting photocell
3- Receiving photocell
4- Key switch
5- Radio receiver
6- Flashing light
7- Push-button station
8- Differential switch

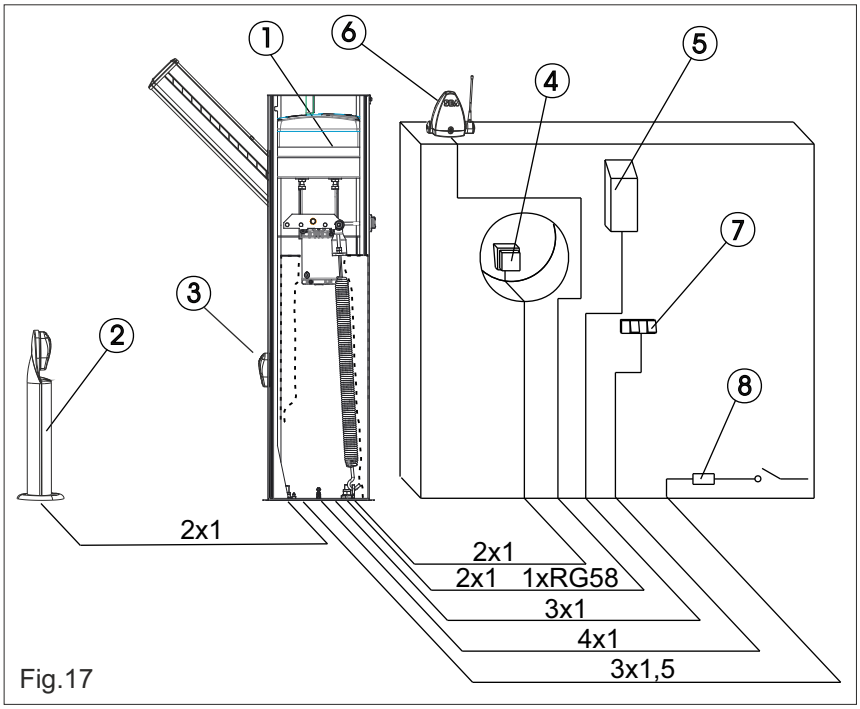


Fig.17

ACCESSORIES FOR VERG

FORK SUPPORT

LED LIGHTS KIT

RELEASE LOCK (Optional)

BATTERY KIT

WARNING LAMP

PHOTOCELLS

KEY SWITCH

To the attention of users and technicians

12) Release system

To release operate as follows

- Turn the protection cap of the release
- Insert the T shaped key and turn it about 180° into clockwise direction until the beam is released (Fig. 18)
- Open manually the beam.

To re-lock operate as follows

- Turn the T shaped key into anti-clockwise direction (Fig. 19)
- Extract the key
- Re-close the protection cap.

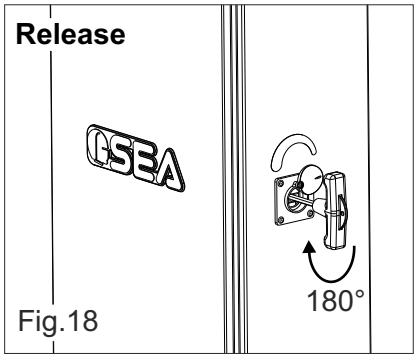


Fig.18

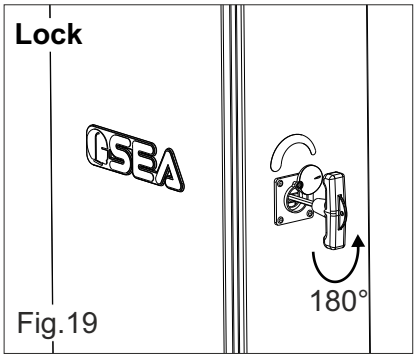


Fig.19

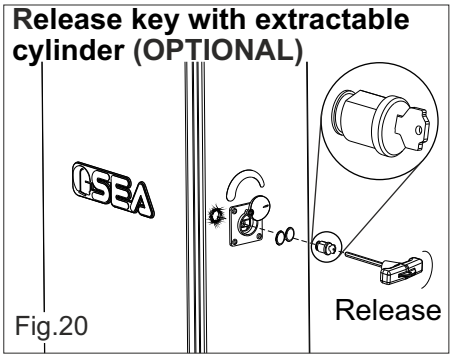


Fig.20

PERIODICAL MAINTENANCE

Check the functionality of the release	Annually
Lubricate the bearing of the balance	Annually
Check the efficiency of the spring	Annually
Check the beam fixing screws and the balance and the casing	Annually
Check the integrity of the connexion cables	Annually
Check the efficiency of the batteries (where included)	Annually
Check and eventually adjust the value of intervention of the anti-crash sensor	Annually

All the above described operations MUST be made exclusively by an authorized installer

RISK EXAMINATION

The installer must take a thorough risk examination to prevent crushing, conveying, cutting, grappling, trapping so as to guarantee a safe installation for people, things and animals. (Re. Laws in force in the country where installation has been made). As for misunderstandings that may arise refer to your area distributor or call our help desk. These instructions are part of the device and must be kept in a well known place. The installer shall follow the provided intructions thoroughly. SEA USA Inc. products must only be used to automise doors, gates and lwings. Any initiative taken without SEA USA Inc. explicit authorization will preserve the manufacturer from whatsoever responsibility. The installer shall provide warning notices on not assessable further risks. SEA USA Inc. in its relentless aim to improve the products, is allowed to make whatsoever adjustment without giving notice. This doesn't oblige SEA USA Inc. to up-grade the past production. SEA USA Inc. can not be deemed responsible for any damage or accident caused by product breaking, being damages or accidents due to a failure to comply with the instructions herein. The guarantee will be void and the manufacturer responsibility will be nullified if SEA USA Inc. original spare parts are not being used. The electrical installation shall be carried out by a professional technician who will release documentation as requested by the laws in force. Packaging materials such as plastic bags, foam polystyrene, nails etc must be kept out of children's reach as dangers may arise.

SEA USA
ELECTRONIC OPENING SYSTEMS
International registered trademark n. 2.777.971

SALES CONDITIONS and WARRANTY

GENERAL WARNING: Installation must be realized using parts and accessories approved by SEA. SEA is not responsible for incorrect installations and/or non-compliance with safety standards according to the law in-force. SEA is in no way liable for any damages and/or malfunctioning due to using parts and accessories non-compliant with the UL325 safety standards.
ORDERS: Orders are processed upon approval by SEA. Buyers must confirm orders by sending a written Purchase Orders to SEA. Purchase Orders are intended as confirmation of orders and binding for the buyer, which accepts SEA sales condition.

QUOTATION: Quotation and special offers with a non-specified duration expires automatically after 30 days.

PRICES: Prices are based on the Price List in force. Discounts and quotation from Sales Rep. and other selling branches must be approved by SEA. Prices are F.O.B SEA Warehouse in Miami and do not include shipments costs. SEA reserves the right to modify the price list at any time and provide notice to its sales network.

PAYMENT: Method of payments and terms are notified by SEA and displayed on the commercial invoice.

DELIVERY: The delivery time on the invoice is not binding and represents an estimated delivery. Shipments costs will be charged to the buyer and SEA is not responsible for delays and/or damages occurred to the products during shipment.

COMPLAINS: Complains and/or claims must be notified to SEA within 7 business days after receiving the products. Claims and complains must be supported by original documents. Customer must contact the factory for instructions and authorization. Merchandise returned for credit must be current, uninstalled and unused and returned in its original packaging. Freight must be pre-paid on all authorized returns.

REPAIRS: Repairs and parts are subject to the availability in stock. Shipment of products for repairs must be pre-paid by the customer. Products shipped without authorization, sender's details and description of the problems will be refused. Customers must contact SEA for instructions.

WARRANTY: for the original buyer only:
Hydraulic and oil-bath motors: 36 months warranty from the date of invoice on manufacturing, assembling and workmanship defects.
Electro-mechanic motors and electronic control systems: 24 months warranty from the date of invoice on manufacturing, assembling and workmanship defects.
Lepus and Full Tank Standard model: 60 months warranty from the date of invoice on manufacturing, assembling and workmanship defects.
No warranty will be recognized for damages due to incorrect installation and/or improper use for which the product was intended. SEA warranty obligations shall be limited to repair or replace the defective product/parts at SEA option, upon examination of the products by SEA technical Staff. All replaced parts must remain property of SEA. The warranty status of the product remains an unquestionable assessment of SEA. Buyer must ship pre-paid defective products. Products under warranty will be returned pre-paid by SEA. Recognized defects, whatever their nature, will not produce any responsibility and/or damage claims to SEA USA Inc and SEA s.r.l. Warranty shall not cover any required labor activities. Warranty will in no case be recognized if alterations and any other changes will be found on products. Warranty will not cover damages caused by carriers, expendable materials and faults due to improper use with the products specifications. No indemnities are recognized during repairing and/or replacing of the products under warranty. SEA USA Inc. and SEA s.r.l. decline any responsibility for damages to person and objects deriving from non-compliance with safety standards, installation instructions or use of the products sold. It is intended that warranty will be recognized only on products bought through the SEA authorized network. Products must be installed by professionals. No warranty will be recognized if products are installed directly by the final user. Warranty does not apply in case of unexpected events such as fire, flood, electrical power surge, lightning, vandalism and others.

SEA USA Inc. is not responsible for errors in technical information printed in catalogs and installation manuals.

SEA USA Inc.
10850 N.W. 21st unit 160 DORAL MIAMI
Florida (FL) 33172 USA
Phone:++1-305.594.1151 Fax: ++1-305.594.7325
Toll Free: 800.689.4716

web site: www.sea-usa.com

e-mail: sales@sea-usa.com