

# **bab**copark



## **BR-5000 | BR-6000 | BR-7000**

### **Two-Post Parking Lift**

[www.babcopark.ca](http://www.babcopark.ca)

## **BR-5000 / BR-6000 / BR-7000**

### **The most popular and versatile of parking stackers.**

Designed to accommodate a vast array of vehicles, including SUVs, sedans, and sports cars, the BR-5000, BR-6000 & BR-7000 models offers a minimum footprint and can be installed independent, or in a ganged column design to capitalize on the available space. The BR-5000, BR-6000 & BR-7000 operate in both indoor and outdoor environments and is specifically designed to accommodate the needs of real estate developers, architects, engineers, automotive dealers, and commercial parking operators.

- Perfect solution for both indoor and outdoor parking
- Highly adaptable, customizable and cost-efficient car stackers
- Ganged column design allows multiple installations in minimum space
- Can be configured for drive-through and tandem parking applications
- **Lifting capacity:**  
5060lbs.(BR-5000)/ 5950lbs.(BR-6000)/ 7054lbs.(BR-7000)
- Car height on ground up to 80.7 (2050mm)
- Usable platform width up to 82.7 (2100mm)
- Driven by hydraulic cylinder & lifting chain
- Galvanized corrugated platform
- Strong powder coating provides long lasting protection



## General Parts



BR-5000 / BR-6000 / BR-7000

- 1** Carriage
- 2** Hydraulic oil reservoir
- 3** Galvanized waving plate
- 4** CSA-approved electrical box
- 5** Key switch & emergency stop button
- 6** Dynamic anti-fall lock
- 7** Front footage
- 8** Limit switch
- 9** CSA-approved power unit
- 10** Photocell sensor

## FEATURES

▶ **TUV compliant, which is the most authoritative certification in the world**

Certification standard 2006/42/EC and EN14010

▶ **Cost effective system**

Only uses power when raising the lift - gravity driven descent means there is no electricity consumption for hydraulic power unit

▶ **New & improved hydraulic system**

The hydraulic system adopts a German top-level structure design which is stable and reliable with twice the lifetime as older models

▶ **Newly designed control system**

User-friendly operation with a 50% reduced failure rate

▶ **Galvanized, corrugated panels**

Durable and perfect for indoor/outdoor use

▶ **Zero accident security system**

All new upgraded security system to ensure no accidents

▶ **Dynamic locking device**

A range of locking positions at every 4in. (100mm) on post for added safety

▶ **CSA-Approve power unit**

Meets electrical Canadian standard

▶ **Newly designed, stronger structure**

Thicker steel, stronger welds

## FEATURES CONT.

▶ **Metallic powder coated surface**

After applying AkzoNobel powder the colour saturation, weather resistance and adhesion are significantly enhanced

▶ **Rich, vibrant colour**

Great care is taken with the treatment of lacquer in order to improve the quality of the product surface

▶ **Strong adhesion**

The weather resistance of the spray powder has better performance and can withstand wear and tear

▶ **Superior chains**

20% longer lifespan than that of domestic chains

▶ **Modular connection, innovative post sharing design**

The BR-5000, BR-6000 & BR-7000 two post parking lifts allows for post sharing. Combine multiple units into one ganged formation

▶ **Laser cutting + robotic welding**

Accurate laser cutting improves accuracy of parts and automated robotic welding makes the weld joints stronger

▶ **Concrete & Asphalt installation**

Able to accommodate on both concrete and asphalt (*with optional special asphalt surface frame kit*)

▶ **Galvanized screw bolts**

Longer life screws with a much higher corrosion resistance

## SPECIFICATIONS

### General

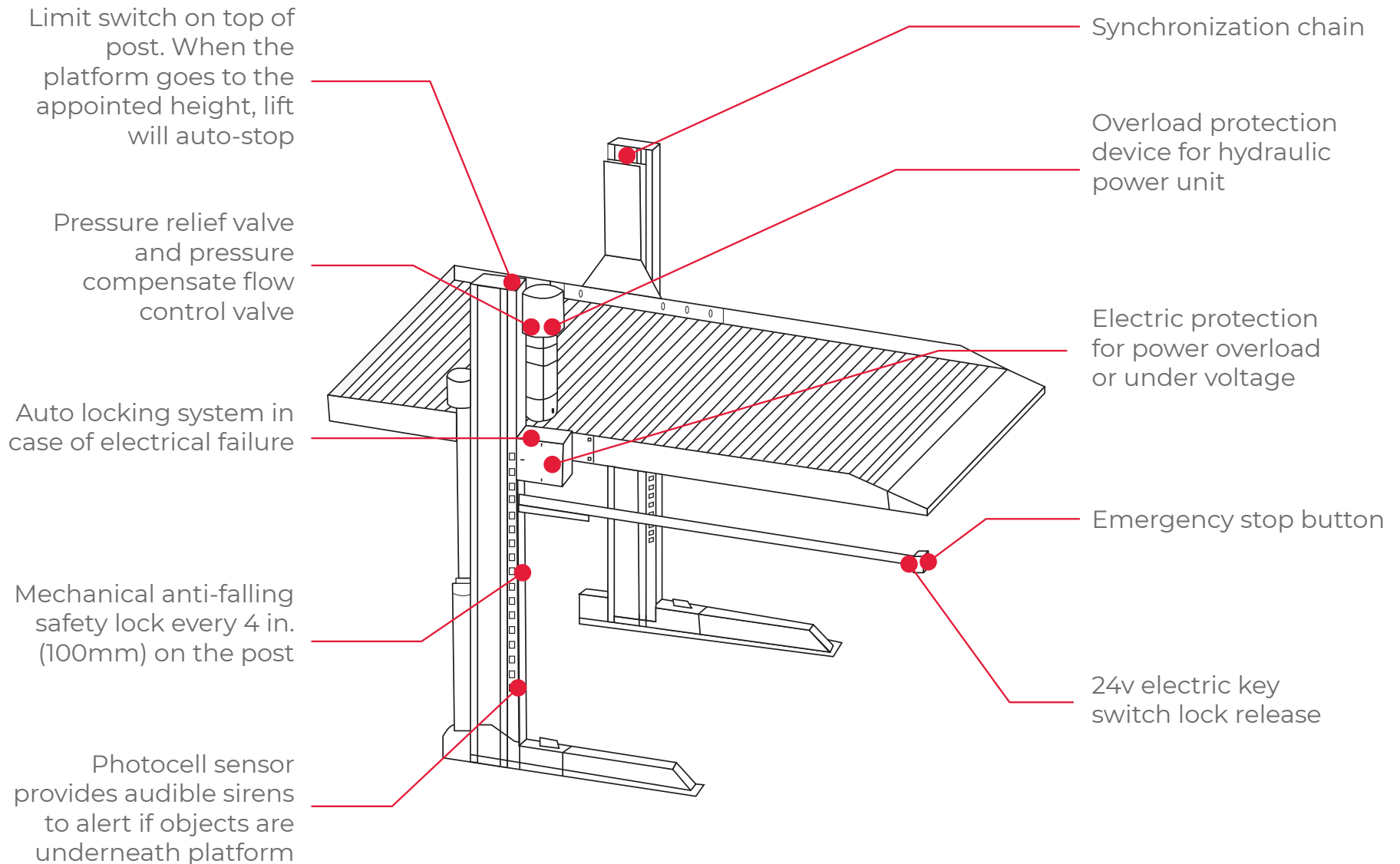
Model	BR-5000	BR-6000	BR-7000
Vehicles parked per unit	2	2	2
Rated Capacity	5060lbs.	5950lbs.	7054lbs.
Available Car Length	196.8in. (5000mm)	196.8in. (5000mm)	196.8in. (5000mm)
Available Car Width	72.8in. (1850mm)	72.8in. (1850mm)	72.8in. (1850mm)
Available Car Height	80.7in. (2050mm)	80.7in. (2050mm)	80.7in. (2050mm)
Driver Mode	Hydraulic cylinder + chains	Hydraulic cylinder + chains	Hydraulic cylinder + chains
Operation	Key Switch	Key Switch	Key Switch
Lifting Speed	<50s	<50s	<50s
Descending Speed	<35s	<35s	<45s
Power Supply	220V, 1Ph, 60Hz	220V, 1Ph, 60Hz	220V, 1Ph, 60Hz
Finishing	AkzoNobel powder coating	AkzoNobel powder coating	AkzoNobel powder coating

### Hydraulic

Model	BR-5000	BR-6000	BR-7000
Pump Motor Power	2hp/230V/1ph-FLA amp draw @230V is 16.9 amps. <small>A circuit with a 20 amp or higher breaker is required (consult your electrician)</small>	2hp/230V/1ph-FLA amp draw @230V is 16.9 amps. <small>A circuit with a 20 amp or higher breaker is required (consult your electrician)</small>	2hp/230V/1ph-FLA amp draw @230V is 16.9 amps. <small>A circuit with a 20 amp or higher breaker is required (consult your electrician)</small>
Pump Flow	2.0 gpm	2.0 gpm	2.0 gpm
Pump Working Pressure	2850 psi	2850 psi	2850 psi
Hydraulic Oil (outside or non-heated application)	AW22	AW22	AW22
Hydraulic Oil (indoor applications)	AW32	AW32	AW32

*Dexron ATF hydraulic oil is also acceptable for both indoor and outdoor applications*

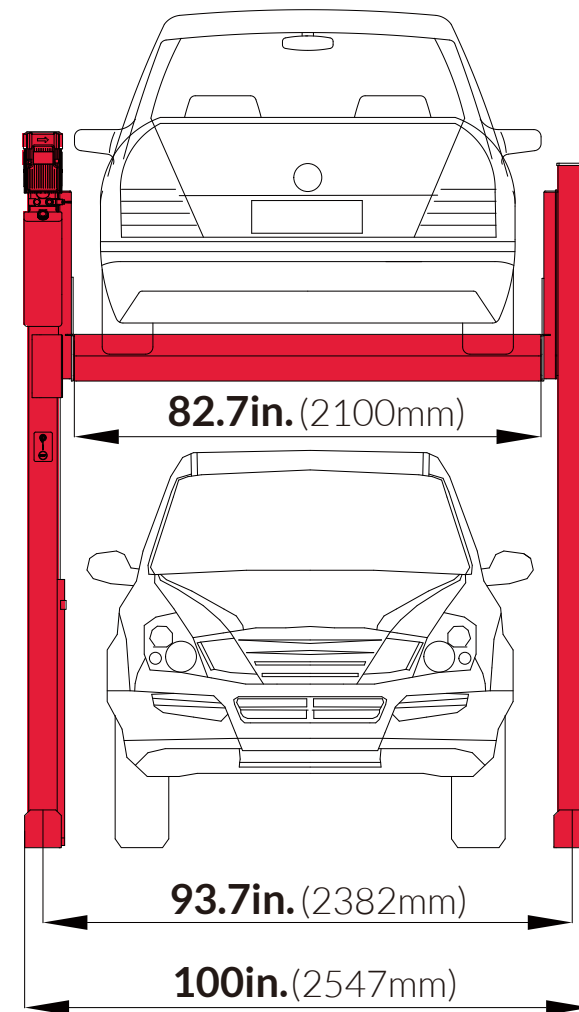
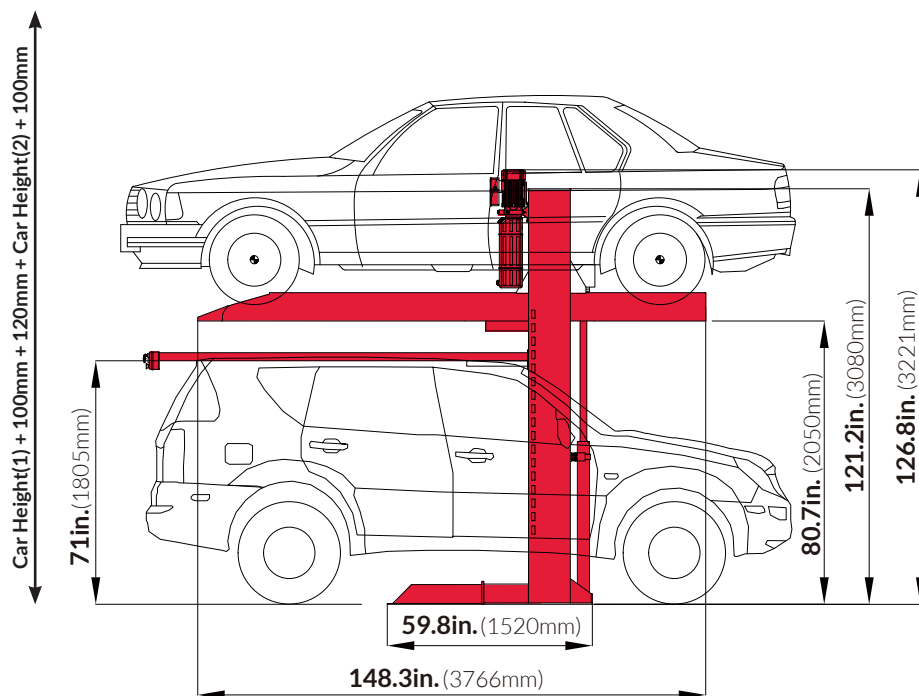
## Safety Devices





## Dimensions

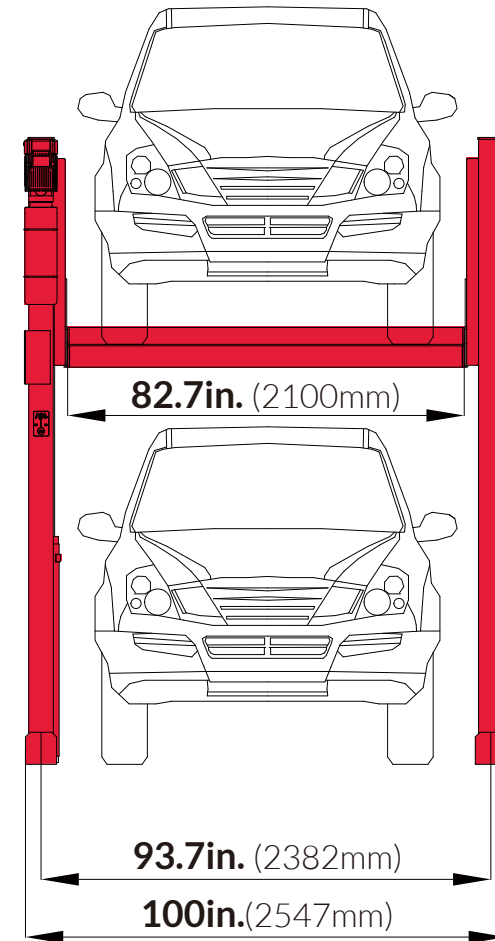
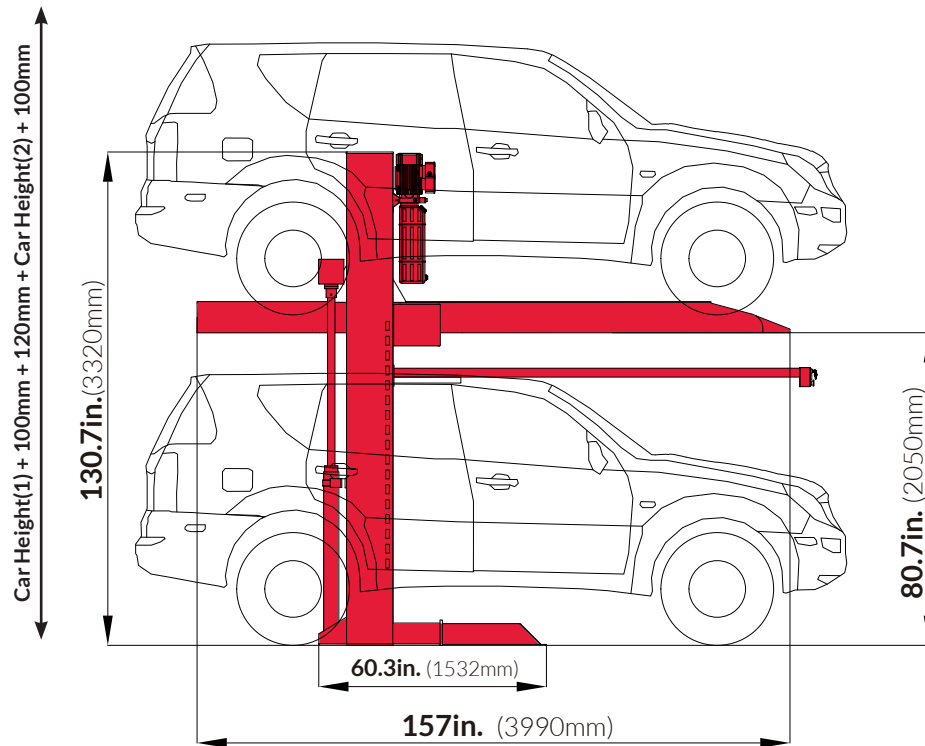
### BR-5000





## Dimensions

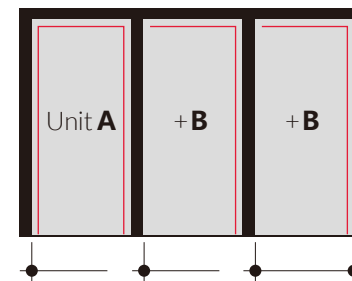
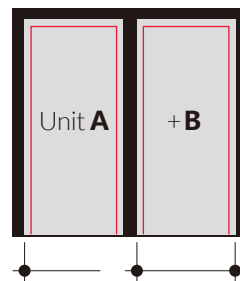
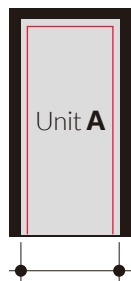
### BR-6000





## Width Calculation

### Width dimensions single unit (2 cars)



Total width required	Clear platform width
<b>101in. (2547mm)</b>	<b>82.6in. (2100mm)</b>
<b>104in. (2647mm)</b>	<b>86.6in. (2200mm)</b>
<b>108in. (2747mm)</b>	<b>90.5in. (2300mm)</b>
<b>112in. (2847mm)</b>	<b>94.4in. (2400mm)</b>
<b>116in. (2947mm)</b>	<b>98.4in. (2500mm)</b>

Total width required	Clear platform width
<b>194in. (4929mm)</b>	<b>82.6in. (2100mm)</b>
<b>202in. (5129mm)</b>	<b>86.6in. (2200mm)</b>
<b>209in. (5329mm)</b>	<b>90.5in. (2300mm)</b>
<b>217.6in. (5529mm)</b>	<b>94.4in. (2400mm)</b>
<b>225.5in. (5729mm)</b>	<b>98.4in. (2500mm)</b>

Total width required	Clear platform width
<b>287.8in. (7311mm)</b>	<b>82.6in. (2100mm)</b>
<b>299.6in. (7611mm)</b>	<b>86.6in. (2200mm)</b>
<b>311.4in. (7911mm)</b>	<b>90.5in. (2300mm)</b>
<b>323.2in. (8211mm)</b>	<b>94.4in. (2400mm)</b>
<b>335in. (8511mm)</b>	<b>98.4in. (2500mm)</b>

## Notes

Clear platform width of 82.6in. (2100mm) for car widths of 72.8in. (1850mm). For large touring sedans we recommend a clear platform width of at least 90.5-98.4in. (2300-2500mm). According to ISO 3864 the floor must be marked with 3.9in. (100mm) wide yellow-black at a distance of 19.6in. (500mm) from the platform edge by the purchaser (to be performed according to local regulations).

The lowering speed of an empty platform is considerably lower than a loaded one. It is not possible to have channels or undercuts and/or concrete haunches along the floor-t-wall joints. In the event that channels or undercuts are necessary, the system width needs to be reduced or the installation width needs to be wider. The manufacturer reserves the right to construction or model modifications and/or alterations. Furthermore, the right to any subsequent part modification and/or variations and amendments in procedures and standards due to technical and engineering progresses in the art or due to regulation changes, are also hereby reserved.

## Notes

### **b** Scope of application

Suitable for residential buildings, office buildings and business premises.  
Only for use by knowledgeable users instructed on how to operate the lift.

For frequently changing users:

*(E.g. for office, hotel and business premises or similar)*

- Only park on ground level
- Performance on technical system adjustments is necessary
- Consultation with Babco is mandatory

### **b** Electrical installation preparation

Cabling preparation to be performed by the customer:

- Up to the main switch to be in place prior to starting the installation operations
- Connection to the main switch during installation operations
- System check to be performed by the electrician provided by the customer

Grounding and potential equalization:

- To be performed by the customer compliant to local regulations
- Connections required every 10 meters

### **b** Temperature

The installation is designed to operate between +5° and +40° C.  
Atmospheric humidity: 50% at +40°C.

If the local circumstances differ from the above please contact Babco.

### **b** Parking

- Drive vehicle backward onto appropriate position of platform.  
Collision with the control arm and side beams should be avoided.
- Put brake on after vehicle is parked on targeted position to avoid any accidental movement.
- Open the car door carefully to avoid collision, paying attention to waving plates and side beams.
- Raise lift to appropriate position and platform will lock automatically.
- Before another vehicle is parked under platform, please check and make sure vehicle is lower than platform height to avoid damage.

### **b** Noise Protection

Insulation figure of the construction of min.  $R_w=57\text{dB}$ . Walls which border parking systems must be done as single wall and deflection resistant with min.  $m = 300\text{kg} / \text{m}^2$ . At differing constructional conditions additional sound absorbing measures are to be provided by the customer. Best results are reached by separated sole plates from construction.

### **b** Protection against corrosion

Clean galvanized parts and platforms of dirt and road salt as well as other pollution.

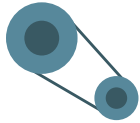
### **b** Fire Safety

Each and every fire safety requirement and all possible mandatory item(s) and equipment(s) (fire extinguishing systems and fire alarm systems etc.) are to be provided by the customer.

### **b** Railings

If walkways are arranged directly to the side or behind the systems, railings have to be provided acc. EN ISO 13857 by client acc. to local requirements, height min. 78.7in.

## Maintenance



Do lubrication on guide rail and guide pulley once per month



Do lubrication on balance chain once per month



Change all the hydraulic oil three months after first operation; and change oil every nine months after first changing



Frequently check the screw nuts of bolts affixed to the electromagnet and locking plate, if any screw nut is loose, fasten ASAP



If any noise comes out from the electromagnet, replace ASAP



The seal in the hydraulic cylinder should be replaced every two years



The roller and sliding block should be replaced every two years



The valve element in the solenoid valve and filter in the power unit should be cleaned every 6 months



Before operation, check electromagnet connector, if loose, fasten and test the top limit switch and photocell sensor. Fix if not working or replace



