

# **Installation And Service Manual**



SINGLE POST LIFT Model:30-SP60

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### I. PRODUCT FEATURES AND SPECIFICATIONS

#### **CHAIN-DRIVE SINGLE POST MODEL SL-6 FEATURES**

- · Compact design.
- · Hydraulic cylinders, designed and made on ANSI standard, utilizing NOK oil seal in cylinder.
- · Self-lubricating UHMW Polyethylene sliders and bronze bush.
- · Manual release safety lock, two-stage lock system
- · Super-symmetric arms design with 3-stages front arms and 2-stages rear arms.
- · Stackable and screwed type rubber pad.

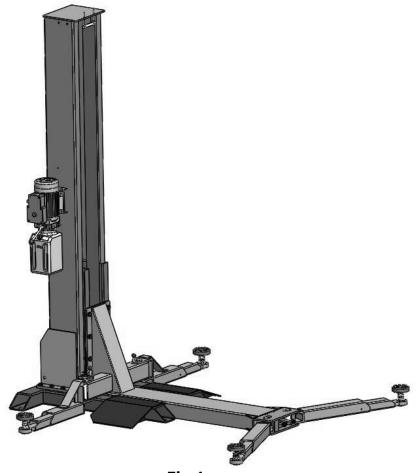


Fig.1

#### **MODEL SL-6 SPECIFICATIONS**

| Model   | Style        | Lifting<br>Capacity | Lifting<br>Time | Lifting<br>Height | Overall<br>Height | Overall<br>Width | Minimum Pad<br>Height | Motor           |
|---------|--------------|---------------------|-----------------|-------------------|-------------------|------------------|-----------------------|-----------------|
| 30-SP60 | Chain-drived | 6,000 lbs           | 84S/32S         | 71 7/8"-77 1/8"   | 108 7/8"          | 80"              | 4 1/8"-9 1/4"         | 1.5HP/<br>2.0HP |

# **Arm Swings View**

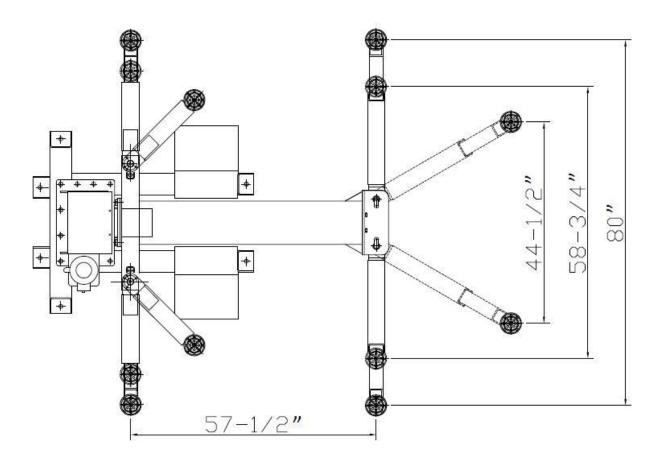


Fig.2

## **II. INSTALLATION REQUIREMENT**

## A. TOOLS REQUIRED

<sup>№</sup> Rotary Hammer Drill(Φ19)



**⊢**Hammer



**⊵**Level Bar



⊱English Spanner(12")



ho Wrench set:  $(10^{\circ}, 13^{\circ}, 14^{\circ}, 12^{\circ})$ 



Carpenter's Chalk



➢ Screw sets



Tape Measure(7.5mm)



₽ Pliers



Socket Head Wrench: (4<sup>#</sup>、5<sup>#</sup>、6<sup>#</sup>)



Fig.3

#### B. Equipment storage and installation requirements.

The equipment should be stored or installed in a shady, normal temperature, ventilated and dry place.

### C. SPECIFICATIONS OF CONCRETE (See Fig. 4)

Specifications of concrete must be adhered to the specification as following. Failure to do so may result in lift and/or vehicle falling.

- 1. Concrete must be thickness 6" minimum and without reinforcing steel bars and must be dried completely before the installation.
- 2. Concrete must be in good condition and must be of test strength 3,000psi minimum.
- 3. Floors must be level and no cracks.

### **D. POWER SUPPLY**

The electrical source must be 2.0HP minimum. The source cable size must be 2.5mm<sup>2</sup> and in good condition of contacting with floor.

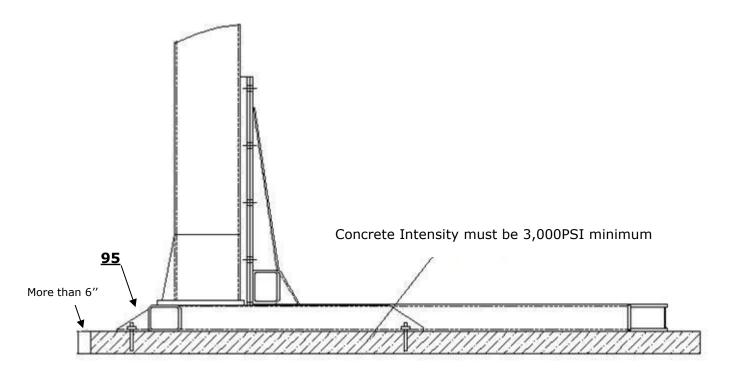


Fig.4

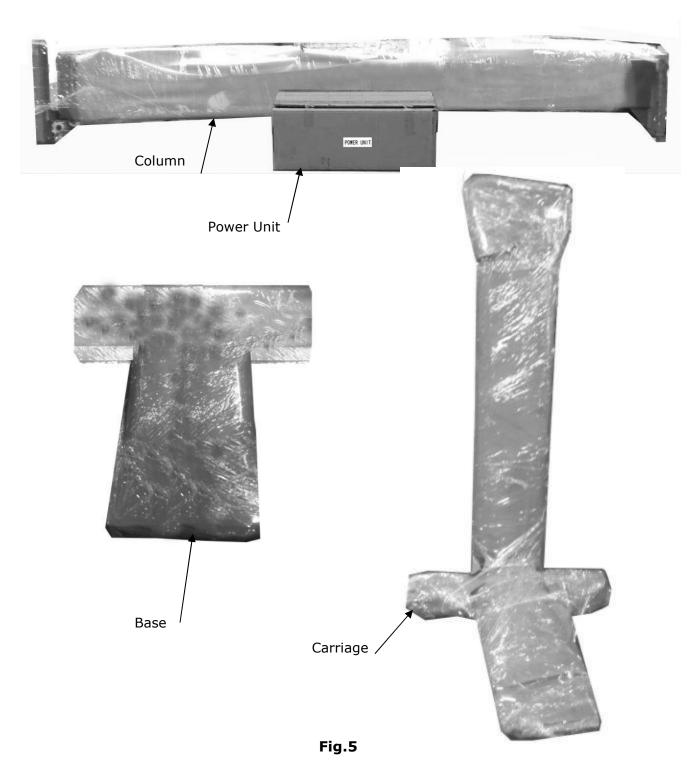
### III. STEPS OF INSTALLATION

### A. Location of installation

Check and insure the installation location (concrete, layout, space size etc.) is suitable for lift installation.

## B. Check the parts before assembly

1. Packaged lift and hydraulic power unit (See Fig. 5)



- 2. Take off the packaging on the machine. Take off the packing rack.
- 3. Move aside the parts and check the parts according to the shipment parts list. (See Fig.6 & 7)

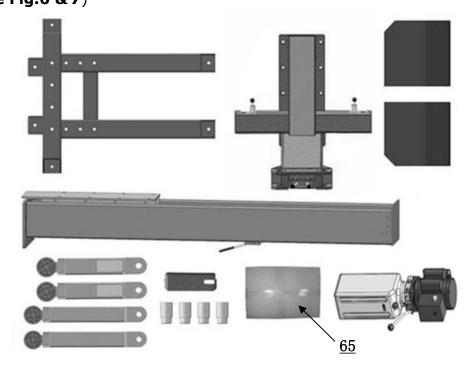


Fig.6

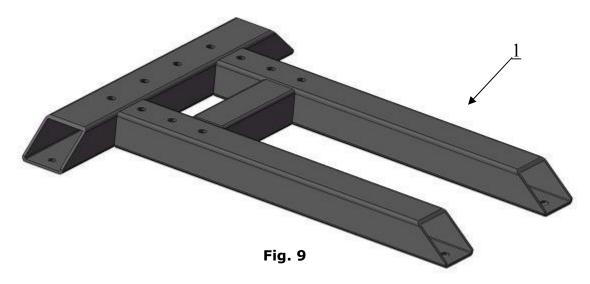


Part box (65) Fig.7

4. Check the parts of the parts bag according to the parts bag list (See Fig.8)

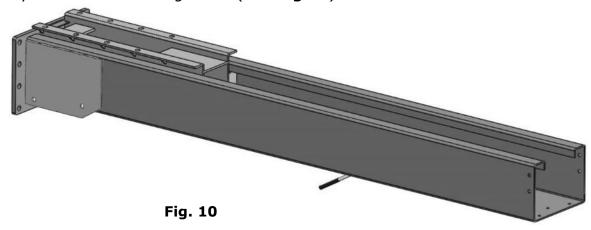


**C.** Lay the base on the ground, confirm installation place according to the ground state, the main purpose is to save space. (**See Fig.9**)

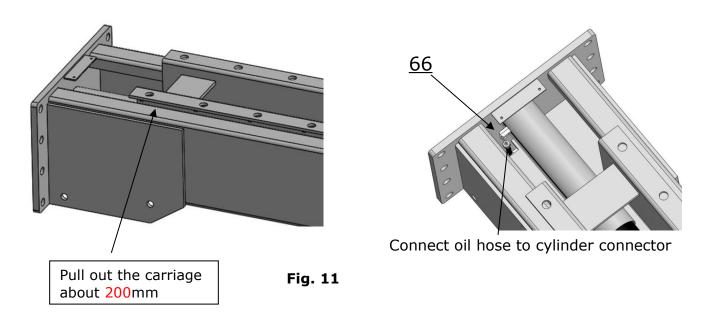


### D. Install column and lift platform

1. Lay the column on the ground. (See Fig.10)



2. Connecting oil hose of cylinder (**See Fig. 11**)



- 3. Fix column to the base plate. (See Fig.12)
- 4. Fix lifting platform to carriage. (See Fig.13)

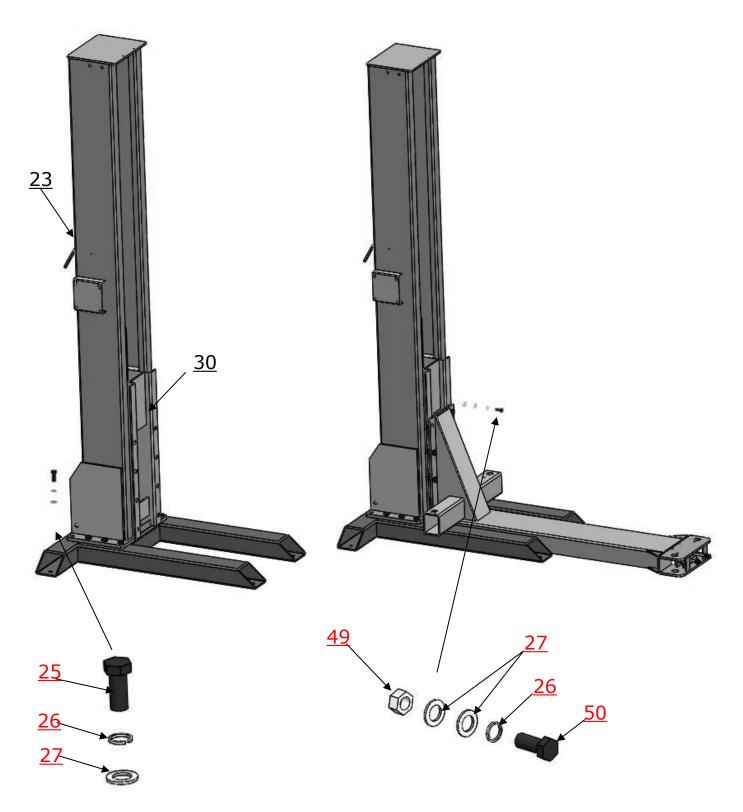


Fig. 12 Fig. 13

### E. Install safety device, power unit, oil hose and wire holder (See Fig.14)

Note: Tighten the oil hose fitting and power unit fitting to avoid oil leakage; Pay attention to the direction of power unit fitting.

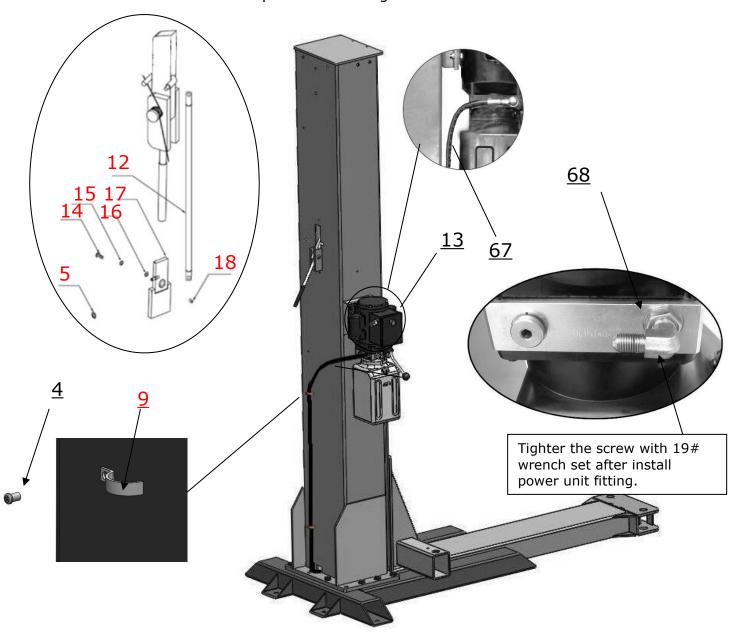
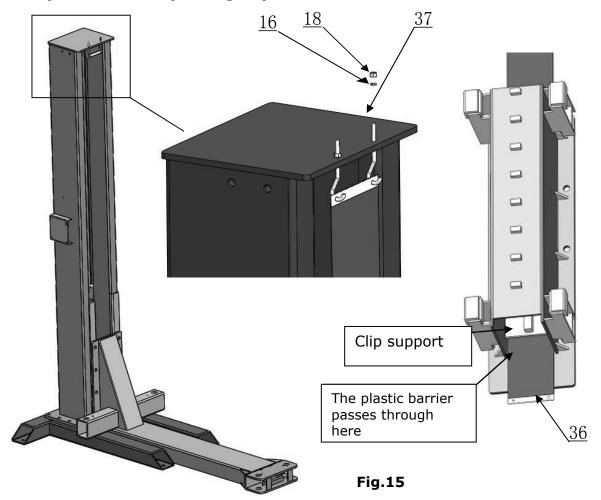


Fig.14

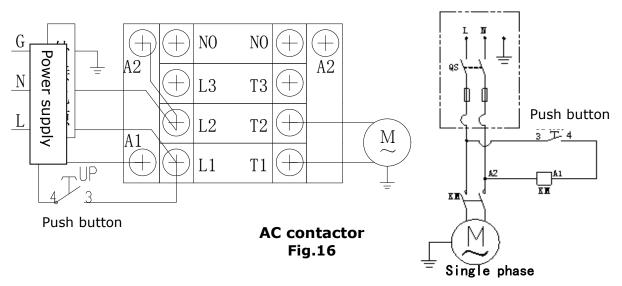
### F. Install plastic barrier (See Fig.15)



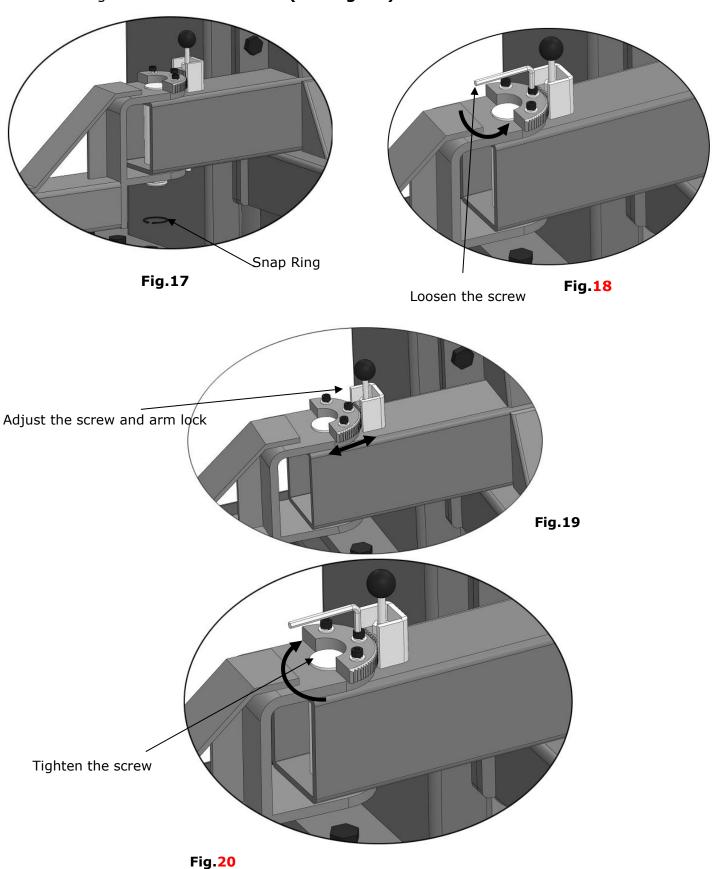
# G. Connect the power source according to the data on plate of power unit Note: For the safety of operators, the power wiring must contact the floor well

#### Single phase motor (See Fig. 27)

- Connecting the two power supply lines (active wire L and neutral wire N) to terminals of AC contactor marked L1, L2 respectively.
- 2. Connecting the two motor wires to terminals of AC contactor marked T1, T2.
- 3. Connecting **A2** to **L2** of AC contactor.
- 4. Connecting terminal A1 of AC connector to terminal 4# of push button; Connecting terminal L1 of AC connector to terminal 3# of push button;



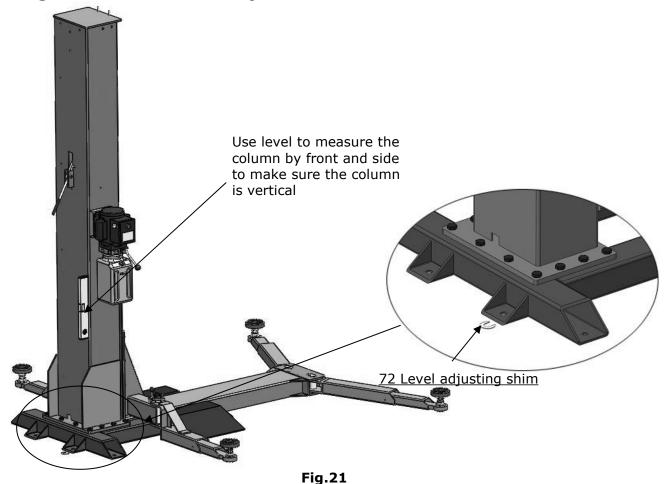
**H.** Install lifting arms (**see Fig.17**); Lowing the carriages down to the lowest position, then use the 6# wrench to loosen the nut (**See Fig. 18**) Adjust the arm lock as arrow direction (**See Fig. 19**). Adjust moon gear and arm lock to make it to be good engagement, then tighten the nut of arm lock (**See Fig. 20**).



### I. Tighten all the hydraulic fittings, and fill the reservoir with hydraulic oil.

Note: In consideration of Hydraulic Power Unit's durability and keep the equipment running in the perfect condition, please use Hydraulic Oil 46#.

J. Using level to measure and adjust the column to be vertical.



#### K. Fix the anchor bolts



- 1. Prepare the anchor bolts (See Fig. 22).
- 2. Using the prescribed rotary hammer drill, and drill all the anchor holes and install the anchor bolts. Make the columns plumpness, and adjusting with the shims if not, then tighten the anchor bolts (See Fig. 23).

Note: Torque of Anchors is 150N.m. Minimum embedment of Anchors is 3-1/2"

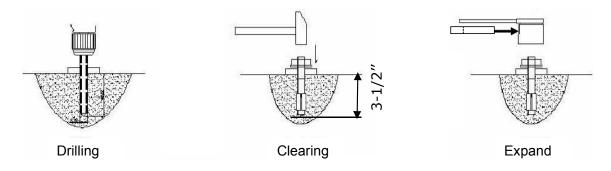


Fig.23

# ${\mathbb N}.$ Exploded View

# Model: SL-6

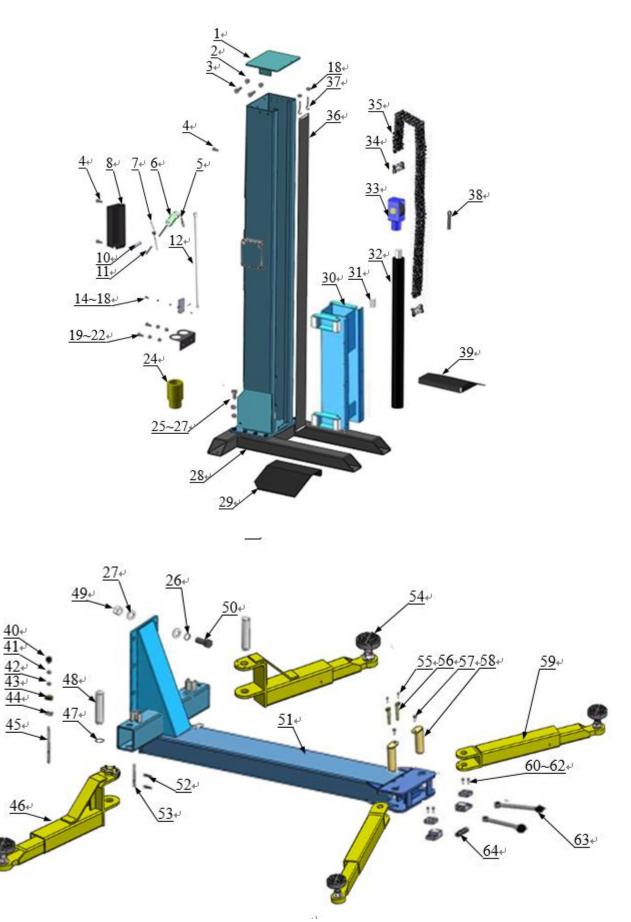


Fig.24

## **PARTS LIST FOR SL-6**

| Item | Part#     | Description                      | QTY. | Note |
|------|-----------|----------------------------------|------|------|
| 1    | 11101013  | Top Plate assembly               | 1    |      |
| 2    | 10206023  | Self-Locking Nut M12             | 4    |      |
| 3    | 10217069  | Hex Bolt                         | 4    |      |
| 4    | 10209009  | Cap Head Bolt                    | 6    |      |
| 5    | 10209012  | (φ3.2) Spring Pin                | 1    |      |
| 6    | 11203002  | Power Side Safety Device         | 1    |      |
| 7    | 10209007  | Safety Spring                    | 1    |      |
| 8    | 11209008  | Safety Cover                     | 1    |      |
| 9    | 11217048  | wire clip                        | 2    |      |
| 10   | 11206002  | Safety stop pin                  | 1    |      |
| 11   | 10206003A | Rubber handle sleeve             | 1    |      |
| 12   | 11203013  | Coupling                         | 1    |      |
| 13   | 81513019  | Power unit                       | 1    |      |
| 14   | 10217013  | Hex Bolt                         | 1    |      |
| 15   | 10209149  | Washer φ6                        | 1    |      |
| 16   | 10420045  | Washer φ6                        | 9    |      |
| 17   | 11203015  | Power-side Safety Block assembly | 1    |      |
| 18   | 10420018  | M6 Self Locking Nut              | 3    |      |
| 19   | 10680003  | Hex Bolt                         | 2    |      |
| 20   | 10209034  | Washer φ8                        | 4    |      |
| 21   | 10209033  | Washer φ8                        | 4    |      |
| 22   | 11203035  | Stackable Adapter Set            | 1    |      |
| 23   | 11101040  | Column assembly                  | 1    |      |
| 24   | 11203034  | Support extension sleeve         | 4    |      |
| 25   | 10101002  | M20*50 Hex Bolt                  | 10   |      |
| 26   | 10201114  | Washer φ20                       | 18   |      |
| 27   | 10209128  | Washer φ20                       | 18   |      |
| 28   | 11101023  | Base assembly                    | 1    |      |
| 29   | 11101024  | ramp assembly                    | 1    |      |
| 30   | 11102608  | carriage assembly                | 1    |      |
| 31   | 10217188  | Slider Block (46*46*76)          | 8    |      |
| 32   | 10207010  | cylinder                         | 1    |      |
| 33   | 10207008  | Chain pulley bearing assembly    | 1    |      |
| 34   | 10201010A | Chain header                     | 2    |      |
| 35   | 10101007  | Chain                            | 1    |      |
| 36   | 10101004  | Curtain L=2570mm                 | 1    |      |
| 37   | 10203117  | Adjusting screw with hook M6×95  | 2    |      |
| 38   | 10201005  | Split pin(φ4*50)                 | 1    |      |
| 39   | 11101025  | Drive-in Ramps assembly          | 1    |      |
| 40   | 10209020  | Plastic ball                     | 4    |      |
| 41   | 10209021  | Hex nut M10                      | 2    |      |
| 42   | 10209039  | Washer φ10                       | 2    |      |
| 43   | 10209023A | Arm lock                         | 2    |      |
| 44   | 11201041  | Limit Shim                       | 2    |      |
| 45   | 11101010  | Arm Lock Bar                     | 2    |      |

| Item        | Part#     | Description                                   | QTY. | Note |
|-------------|-----------|---|------|------|
| 46          | 10101034  | Outside arm assembly                          | 2    |      |
| 47          | 10520023  | Spring for shaft φ38                          | 2    |      |
| 48          | 11209030A | Lifting arm latch assembly                    | 2    |      |
| 49          | 10420175A | M20 Hex nut                                   | 8    |      |
| 50          | 10101001  | M20*45 Hex Bolt                               | 8    |      |
| 51          | 11101016  | Lifting platform assembly                     | 1    |      |
| 52          | 10209025  | φ4*25 Elastic pin                             | 4    |      |
| 53          | 10209026  | Compression spring φ1.4                       | 2    |      |
| 54          | 10203054  | Rubber pad assembly                           | 4    |      |
| 55          | 10101006  | Screw M6*12                                   | 2    |      |
| 56          | 11101012  | Coupling pin assembly                         | 2    |      |
| 57          | 10420043  | M8*20 Socket screw                            | 8    |      |
| 58          | 11101005  | Lifting arm latch assembly                    | 2    |      |
| 59          | 10101033  | Outer Arm Assembly                            | 2    |      |
| 60          | 10420043  | Socket screw M8*20                            | 4    |      |
| 61          | 10101008  | Arm lock                                      | 2    |      |
| 62          | 11101009  | Arm lock fixing plate                         | 2    |      |
| 63          | 11101011  | Control stick assembly                        | 2    |      |
| 64          | 10720003  | Compression spring ( φ2*75 )                  | 1    |      |
| 65          | 10102500  | Parts box                                     | 1    |      |
| 66          | 10201020  | Cylinder 900 3/8NPT(M)*1/4JIC(M) fitting      | 1    |      |
| 67          | 10101027  | Oil hose assembly (both straight ) 1/4" *1660 | 1    |      |
| 68          | 10209060  | Power unit 90-degree fitting                  | 1    |      |
| 69          | 10209003  | Hex bolt M8x25                                | 4    |      |
| 70          | 10209004  | Rubber ring(φ8*φ20*3)                         | 4    |      |
| 71          | 10209005  | Self-locking nut M8                           | 4    |      |
| 10620065 Le |           | Leveling pad ( 2mm)                           | 10   |      |
| 72          | 10201090  | Leveling pad ( 1mm)                           | 10   |      |
| 73          | 10201140  | Anchor bolt 3/4*6-1/2                         | 6    |      |

# 4.1. Rubber Pad Assembly (10203054) exploded view:

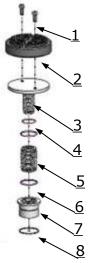


Fig.25

| Item | Part#    | Description       | QTY |
|------|----------|-------------------|-----|
| 1    | 10420043 | M8*20 Hex Bolt    | 8   |
| 2    | 10203043 | Rubber pad        | 4   |
| 3    | 11203026 | Support pad assy. | 4   |
| 4    | 10201060 | O-ring ( 70° )    | 8   |
| 5    | 11203025 | Adjusting screw   | 4   |
| 6    | 10203041 | Retaining ring    | 4   |
| 7    | 11203024 | Adjustment Screw  | 4   |
| 8    | 10203042 | Retaining ring    | 8   |

# 4.2 Outside Arm Assembly ( 10101033 ) exploded view :

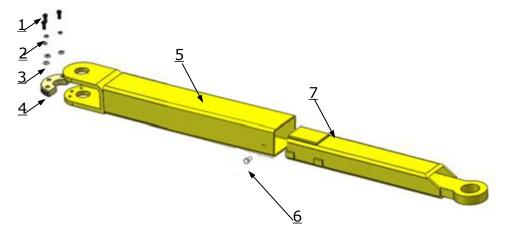
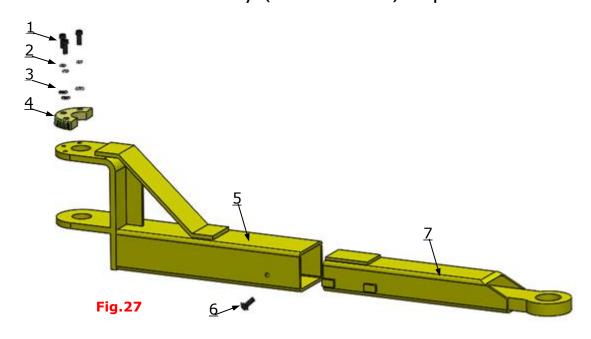


Fig.26

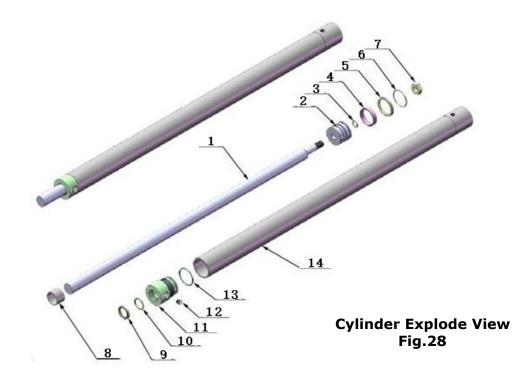
| Item | Part#    | Description             | QTY |
|------|----------|-------------------------|-----|
| 1    | 10209032 | Hex bolt M8*25          | 6   |
| 2    | 10209034 | washerφ8                | 6   |
| 3    | 10209033 | washerφ8                | 6   |
| 4    | 10209035 | Moon gear               | 2   |
| 5    | 11101019 | Outside Outer arm assy. | 2   |
| 6    | 10201149 | M8*12 Screw             | 2   |
| 7    | 11203101 | Inner arm assy.         | 2   |

# 4.3 Inside Arm Assembly ( 10101034 ) exploded view :



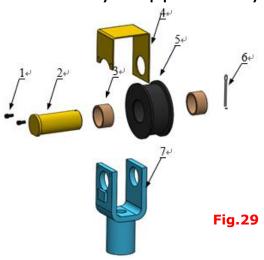
| Item | Part#    | Description            | QTY |
|------|----------|------------------------|-----|
| 1    | 10209032 | M8*25 Hex bolt M8*25   | 6   |
| 2    | 10209034 | washerφ8               | 6   |
| 3    | 10209033 | washerφ8               | 6   |
| 4    | 10209035 | Moon gear              | 2   |
| 5    | 11203101 | Inside Outer arm assy. | 2   |
| 6    | 10201149 | M8*12 Screw            | 2   |
| 7    | 11102006 | Inside Inner arm assy. | 2   |

# 4.4 Cylinder Assy. (10207010) exploded view:



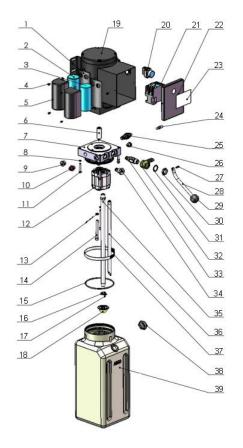
| Item | Part#    | Description  | QTY | Item | Part#    | Description     | QTY |
|------|----------|--------------|-----|------|----------|-----------------|-----|
| 1    | 11207027 | Piston Rod   | 1   | 8    | 11207029 | Adjustment Tube | 1   |
| 2    | 11207028 | Piston       | 1   | 9    | 10217078 | Dust Ring       | 1   |
| 3    | 10206069 | O-Ring       | 1   | 10   | 10520058 | O-Ring          | 1   |
| 4    | 10620053 | Support Ring | 1   | 11   | 11207030 | Head Cap        | 1   |
| 5    | 10620054 | Y-Ring       | 1   | 12   | 10201034 | silencer        | 1   |
| 6    | 10630027 | O-ring       | 1   | 13   | 10207031 | O-Ring          | 1   |
| 7    | 10206071 | Hex Nut      | 1   | 14   | 11207032 | Cylinder Tube   | 1   |

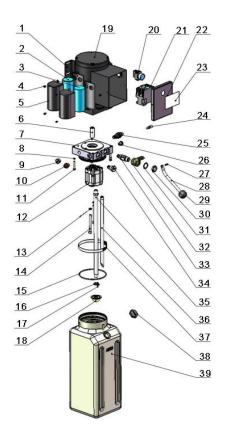
# 4.5 Chain Pulley Support Assy. ( 11207681 ) exploded view :



| Item | Part#     | Description                      | QTY |
|------|-----------|----------------------------------|-----|
| 1    | 81400335  | Hex bolt M5*10                   | 2   |
| 2    | 11207006  | Chain Pulley Pin                 | 1   |
| 3    | 10420132A | Chain Pulley bush φ41.2*φ35.2*20 | 2   |
| 4    | 11207693  | Chain retainer                   | 1   |
| 5    | 11207007  | Chain Pulley                     | 1   |
| 6    | 10201005  | Split pin(φ4*50)                 | 1   |
| 7    | 11207008  | Chain Pulley Bracket             | 1   |

## 4.6 Exploded view of manual power unit





110V/60Hz/1 phase Fig.30 071103

220V/60Hz/1 phase Fig.31 071104

### Manual Power Unit 110V/60Hz/1 Phase

| Item | Part#    | Description      | QTY | Item | Part#    | Description      | QTY |
|------|----------|------------------|-----|------|----------|------------------|-----|
| 1    | 81400180 | Rubber pad       | 2   | 21   | 41030055 | AC connector     | 1   |
| 2    | 81400130 | Start capacitor  | 1   | 22   | 81400287 | Cover of Motor   | 1   |
| 3    | 81400088 | Running          | 1   | 23   | 71111182 | AMGO Sticker     | 1   |
| 4    | 10420148 | Screw, Washer    | 4   | 24   | 81400560 | Throttle valve   | 1   |
| 5    | 81400066 | Cover of         | 2   | 25   | 81400266 | Relief valve     | 1   |
| 6    | 81400363 | Motor            | 1   | 26   | 81400284 | Plug             | 1   |
| 7    | 81400362 | Manifold block   | 1   | 27   | 81400452 | Pin              | 1   |
| 8    | 10209149 | Washφ6           | 4   | 28   | 81400451 | Handle for       | 1   |
| 9    | 81400276 | End plug         | 1   | 29   | 10209020 | Plastic ball     | 1   |
| 10   | 81400259 | Red plastic plug | 1   | 30   | 81400421 | Nut for release  | 1   |
| 11   | 85090142 | Hex Bolt         | 4   | 31   | 81400422 | Shim for release | 1   |
| 12   | 81400312 | Gear pump        | 1   | 32   | 81400449 | Valve seat       | 1   |
| 13   | 10209034 | Washφ8           | 2   | 33   | 81400567 | Release valve    | 1   |
| 14   | 81400295 | Socket bolt      | 2   | 34   | 81400566 | Check valve      | 1   |
| 15   | 81400365 | O ring           | 1   | 35   | 81400375 | Oil suction pipe | 1   |
| 16   | 10209152 | Tie              | 1   | 36   | 81400376 | Oil return pipe  | 1   |
| 17   | 85090167 | Magnet           | 1   | 37   | 81400364 | Clamps           | 1   |
| 18   | 81400290 | Filter           | 1   | 38   | 81400263 | Oil tank cap     | 1   |
| 19   | 81400412 | Motor            | 1   | 39   | 81400320 | Oil tank         | 1   |
| 20   | 10420070 | Push button      | 1   |      |          |                  |     |

# 220V 60Hz manual power unit breakdown list

| Item | Part#    | Description      | QTY | Item | Part#    | Description      | QTY |
|------|----------|------------------|-----|------|----------|------------------|-----|
| 1    | 81400180 | Rubber pad       | 2   | 21   | 41030055 | AC connector     | 1   |
| 2    | 81400130 | Start capacitor  | 1   | 22   | 81400287 | Cover of Motor   | 1   |
| 3    | 81400088 | Running          | 1   | 23   | 71111104 | AMGO Sticker     | 1   |
| 4    | 10420148 | Screw, Washer    | 4   | 24   | 81400560 | Throttle valve   | 1   |
| 5    | 81400066 | Cover of         | 2   | 25   | 81400266 | Relief valve     | 1   |
| 6    | 81400363 | Motor            | 1   | 26   | 81400284 | Plug             | 1   |
| 7    | 090101   | Manifold block   | 1   | 27   | 10720118 | Pin              | 1   |
| 8    | 10209149 | Wash             | 4   | 28   | 81400451 | Handle for       | 1   |
| 9    | 81400276 | End plug         | 1   | 29   | 10209020 | Plastic ball     | 1   |
| 10   | 81400259 | Red plastic plug | 1   | 30   | 81400421 | Nut for release  | 1   |
| 11   | 85090142 | Hex Bolt         | 4   | 31   | 81400422 | Shim for release | 1   |
| 12   | 81400280 | Gear pump        | 1   | 32   | 81400449 | Valve seat       | 1   |
| 13   | 10209034 | Washφ8           | 2   | 33   | 81400567 | Release valve    | 1   |
| 14   | 81400295 | Socket bolt      | 2   | 34   | 81400566 | Check valve      | 1   |
| 15   | 81400365 | O ring           | 1   | 35   | 81400375 | Oil suction pipe | 1   |
| 16   | 10209152 | Tie              | 1   | 36   | 81400376 | Oil return pipe  | 1   |
| 17   | 85090167 | Magnet           | 1   | 37   | 81400364 | Clamps           | 1   |
| 18   | 81400290 | Filter           | 1   | 38   | 81400263 | Oil tank cap     | 1   |
| 19   | 81400413 | Motor            | 1   | 39   | 81400320 | Oil tank         | 1   |
| 20   | 10420070 | Push button      | 1   |      |          |                  |     |

## Illustration of hydraulic valve

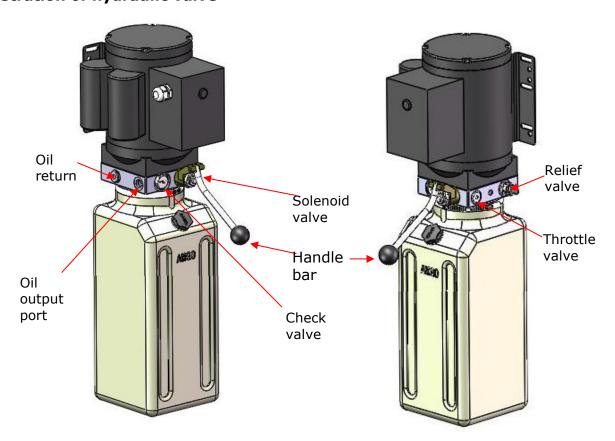
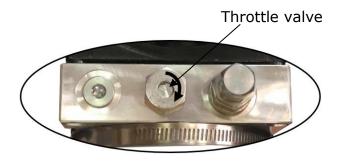


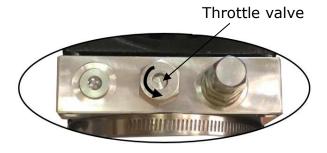
Fig.32

## **V. TEST RUN**

## 1. Adjust the lower speed (See Fig.33)

Users can adjust the descending speed according to their needs. Adjust the throttle valve core clockwise. At this time, the descending speed becomes slower, and vice versa.





Clockwise to decrease the down speed

Counterclockwise to increase the down speed

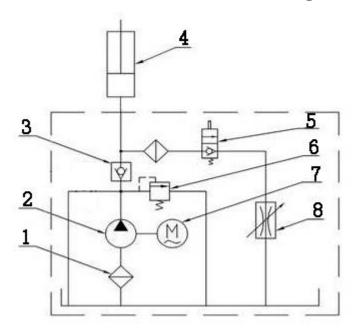
Fig.33

### 2. Test with loading

After finishing the above adjustment, test running the lift with loading. Run the lift in low position for several times firstly, make sure the lift can rise and lower without abnormal phenomena. And then test run the lift to the top completely. If there are anything improper, repeat the above adjustment.

NOTE: It may be vibrated when lifting at start, please lifting it with load for several times, the air would be bled and the vibration would be disappeared automatically.

### **Circuit Diagram of Hydraulic System**



- 1 Filter
- 2 Gear pump
- 3 Check valve
- 4 Cylinder
- 5 Release valve
- 6 Relief valve
- 7 Motor
- 8 Throttle valve

Fig. 34

### VI.OPERATION INSTRUCTIONS

### To lift vehicle

- 2. Keep clean of site near the lift;
- 3. Position lift arms to the lowest position;
- 4. To shortest lift arms;
- 5. Open lift arms;
- 6. Position vehicle beside of the lifting arm, cab should at the other side of the column;
- 7. Move arms to the vehicle's lifting point;

Note: The four lift arms must at the same time contact the vehicle's lifting point where manufacturers recommended

- 8. Turn on the power and push the button UP 1, raise the lift until the rubber pad full contact the car and ensure it's safe.
- 9. Continue raise the vehicle to the desired height and make sure the vehicle is steady when the lift is rising, then release the UP ↑ button.
- 10. Press the pressure relief handle of the hydraulic station and lower the lift to the safety lock position. Only after confirming that the safety device is in a normal working state before car maintaining.

Note: In order to extend the service life of the cylinder and seals, raise the carriage to highest position at least once a day.

#### To lower vehicle

- 1. Be sure the clearance of around and under the lift, only leaving operator in lift area,
- 2. Push button UP 1 to raise the vehicle slightly, and then release the safety device, lower vehicle by pressing the pressure relief handle of the hydraulic station.
- 3. Open the arms and position them to the shortest length;
- 4. Drive away the vehicle.

#### VI. MAINTENANCE SCHEDULE

#### Monthly:

- 1. Re-torque the anchor bolts to 150 N.M;
- 2. Check all connectors, bolts and pins to insure proper mounting;
- 3. Lubricate cable with lubricant;
- 4. Make a visual inspection of all hydraulic hoses/lines for possible wear or leakage;
- 5. Check Safety device and make sure proper condition;
- 6. Lubricate all Rollers and Pins with 90wt. Gear oil or equivalent;

Note: All anchor bolts should take full torque. If any of the bolts does not function for any reason, DO NOT use the lift until the bolt has been replaced.

#### **Every six months:**

- 1. Make a visual inspection of all moving parts for possible wear, interference or damage.
- 2. Check and adjust as necessary, equalizer tension of the cables to insure level lifting.
- 3. Check columns for plumpness.
- 4. Check Rubber Pads and replace as necessary.
- 5. Check Safety device and make sure proper condition.

## VII. TROUBLE SHOOTING

| TROUBLE         | CAUSE   | REMEDY                          |
|-----------------|---|---------------------------------|
|                 | 1. Button does not work                         | 1. Replace button               |
| Motor does      | 2. Wiring connections are not in good condition | 2. Repair all wiring connection |
| not run         | 3. AC contactor burned out                      | 3. Repair or replace contactor  |
| lioc ruii       | 4. Motor burned out                             | 4. Repair or replace motor      |
|                 | 1. Motor runs in reverse rotation               | 1.Reverse two power wire        |
| Motor runs      | 2. Release valve in damage                      | 2.Repair or replace             |
| but the lift is | 3.Gear pump in damage                           | 3.Repair or replace             |
|                 | 4.Relief valve or check valve in damage         | 4.Repair or replace             |
| not raised      | 5.Low oil level                                 | 5.Fill tank                     |
|                 | 1.Release valve out of work                     |                                 |
| Lift does not   | 2 Relief valve or check valve leakage.          | Repair or replace               |
| stay up         | 3.Cylinder or fittings leaks                    |                                 |
|                 | 1. Oil line is jammed                           | 1. Clean the oil line           |
|                 | 2. Motor running on low voltage                 | 2. Check Electrical System      |
| Lift raises     | 3. Oil mixed with air                           | 3. Fill tank                    |
| too slow        | 4. Gear Pump leaks                              | 4. Replace Pump                 |
|                 | 5. Overload lifting                             | 5. Check load                   |
|                 | Safety device are locking                       | 1. Release the safeties         |
| Lift cannot     | 2. Release valve in damage                      | 2. Repair or replace            |
| Lift cannot     | 3. Safety cable broken                          | 3. Replace                      |
| lower           | 4. Oil system is jammed                         | 4. Clean the oil system         |
|                 | 5.Hydraulic solenoid valve out of work          | 5. Replace the solenoid valve   |

### IX. Lift disposal.

When the car lift cannot meet the requirements for normal use and needs to be disposed, it should follow local laws and regulations.



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