

## Safety - Installation - Operation - Maintenance

# Stratus Pro Clear Floor Direct Drive 10,000 LBS Capacity Single Point Manual Release Car Lift SAE-C12X

Model: SAE-C12X



Manual SAE-C12X— Revision A1 — AUG 2024

### IMPORTANT NOTE:

1. Save these instructions!
2. This equipment should not be installed, operated or repaired without first reading the instructions. Failure to follow the instructions and safety can result in serious injury or death.
3. Electricity should be hooked up by a certified electrician.
4. Do NOT use equipment beyond its rated capacity.
5. Keep manual near lift for reference
6. By proceeding with installation and operation, you agree that you fully understand the contents of this manual and assume full responsibility for product use.
7. Only Operate this lift if it can be done so safely.

# Introduction


This manual is designed to help customers use Stratus C12X, 2 post lift. This is a overhead lift, with an open center that provides full under vehicle access.


This lift comes with a capacity of 12,000 LBS.


Stratus recommends keeping this manual within reach of the lift for anyone who is to use or service the machine. Frequently asked questions and Troubleshooting steps have been included within this manual. If you have any questions and/or issues which are not answered here, please contact us at **512-640-9896** or email [support@stratusautoequip.com](mailto:support@stratusautoequip.com)

# Symbols


Following are the symbols used in this manual:

 **DANGER** Calls attention to an immediate hazard that will result in injury or death.

 **WARNING** Calls attention to a hazard or unsafe practice that could result in injury or death.

 **CAUTION** Calls attention to a hazard or unsafe practice that could result in minor personal injury, product, or property damage.

**NOTICE** Calls attention to a situation that, if not avoided, could result in product or property damage.

 **Tip** Calls attention to information that can help you use your product better.

# Liability

Stratus Auto Equipment assumes no liability for damages resulting from:

- Use of the product for purposes other than those described in this manual.
- Modifications to the equipment without prior, written permission from Stratus Auto Equipment
- Injury or death caused by modifying, disabling, overriding, or removing safety features.
- Damage to the equipment from external influences.
- Incorrect or improper operation of the equipment.

**Manual** -C12X - Clear Floor Direct Drive 10,000 LBS Capacity Single Point Manual Release Car Lift  
SAE-C12X - Safety - Installation - Operation - Maintenance

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**Limitations**- Whereas every effort has been made to ensure this manual has complete and accurate information; Product updates, revisions, and/or changes could have occurred since this manual was written and published. Stratus Auto Equipment reserves the right to change any information in this manual without incurring any obligation for equipment previously or subsequently sold. Stratus Auto Equipment is not responsible for typographical errors in this manual.

**Safety**- Your product was designed and manufactured with safety in mind. However, your safety also depends on proper training and thoughtful operation. Do not install, operate, maintain, or repair the unit without reading and understanding this manual and the labels on the unit; *do not use your Lift unless you can do so safely!*

**Owner Responsibility**- In order to ensure operator safety and maintain your product properly, it is the responsibility of the product owner to read and follow these instructions:

- Follow all setup, operation, and maintenance instructions.
- Make sure product setup and use conforms to all applicable local, state, and federal codes, rules, and regulations, such as state and federal OSHA regulations and electrical codes.
- Read and follow all safety instructions. Keep them readily available for operators.
- Make sure all operators are properly trained, know how to safely operate the unit, and are properly supervised.
- Do not operate the product until you are certain all parts are in place and operating correctly.
- Carefully inspect the product on a regular basis and perform all maintenance as specified.
- Service and maintain the unit only with approved replacement parts.
- Keep all instructions permanently with the product and make sure all labels are clean and visible.

Stratus Auto Equipment makes no promises, guarantees or assurances that our products meet any state, county, federal or international mandated permit, license, code, standard, certification, or any other mandate other than what is listed or shown on Stratus Auto Equipment's website. Not all of Stratus Auto Equipment lift models meet the standards as prescribed by ANSI/ALI ALCTV-(current edition) or ANSI/UL 201. Consult [www.autolift.org](http://www.autolift.org) for a complete list of lift models that meet ANSI/ALI ALCTV-(current edition) or ANSI/UL 201 or contact support@stratusautoequip.com

Buyer assumes full responsibility for any state, county, federal or international mandated permit, license, code, standard, certification, or any other mandate required related to the installation and/or operation of any Stratus Equipment. Stratus will not be responsible for any charges, fines, liens, or other levies imposed on the Buyer related to any special or regional structural, seismic or any other building code and/or codes such as the Uniform Building Code (UBC), International Building Code (IBC), or any other state, county, federal or international mandated permit, license, code, standard, certification, or other mandate, law, rule, regulation or directive by any other agency, government, administrations, or corporations whether state, county, federal, or international mandated.

## Unit Information

Be sure to document the Model Number, Serial Number, and Date of Manufacture from the label on your unit below. This information is required for part or warranty issues.



**STRATUS**<sup>®</sup>  
auto equipment

STRATUS AUTO EQUIPMENT  
[www.stratusautoequip.com](http://www.stratusautoequip.com)  
[sales@stratusautoequip.com](mailto:sales@stratusautoequip.com)  
Tel: 512-640-9896



MODEL:

DATE:

SERIAL NO.

Lifting Capacity:

 lbs

Rated Voltage:

 V

Lifting Height:

 in

Rated Frequency:

 Hz

Min Height:

 in

Phase:

 Ph

Platform Length:

 in

Net Weight:

 lbs

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# Important Safety Instructions

## 1.1 Important Notices

- Make sure to pay careful attention to the label of the lifting capacity attached on the lift and never try to lift cars above the lifting capacity labeled.
- Read this manual carefully before operating the machine so as to avoid personnel injury
- Users are not permitted to make any modification to the control or mechanical unit

## 1.2 Qualified Personnel

- Only properly trained individuals are permitted to operate the lift.

## 1.3 Warning Signs

- All safety warning labels are clearly depicted on the lift to ensure that the operator is aware of and avoids the dangers of using the lift in an incorrect manner. The labels must be kept clean and they have been replaced if detached or damaged. Please read the meaning of each label carefully and understand them for future operation

## 1.4 Safety Instructions

- Make sure that you have read the User's Manual completely, including relevant instructions on installation, operation, and safety before operating the lift.
- This lift is designed for lifting vehicles 12,000 LBS and under. Any other use may result in damage of the lift or injury to personnel.
- Only those who have been properly trained should operate the lift. Customers or inexperienced persons should be prohibited from operating the lift at will.
- Do not load the lift beyond its rated capacity. To reduce the risk of injury, refer to loading instructions, and never attempt to lift more than the rated capacity.
- The lift is designed to lift the entire body of vehicles with weight within the lifting capacity.
- If the lift is designed for indoor use only, outdoor use is prohibited.
- Do not install the lift on any surface other than concrete that is at least 6" thick and has set for at least 30 days.
- Do not move away from controls while lift is in motion.
- Keep hands and feet away from any moving parts, do not put hands in any dangerous places, such as the space between tool arms.
- Do not wear any loose clothing that could be caught in moving parts. Keep hair, fingers, and all body parts away from moving parts. Always wear appropriate safety equipment during operation.
- Keep area around the lift clean to avoid incidents. Any oil stain or obstacle may pose a safety risk.
- Always ensure the safety latches are operational before any attempt to work near or under the vehicle.
- Always ensure the safety locks are engaged before any attempt to work near or under the vehicle.
- Never remove safety related components from the lift.
- Do not use if safety related components are damaged or missing
- Ensure all regular maintenance is completed. If anything abnormal occurs, stop using the lift and immediately contact us for help.
- Do not rock the vehicle while on the lift or remove heavy components that may cause weight shift, as the vehicle could fall.
- Do not modify any part of the lift without manufacturer's advice; THIS VOIDS THE WARRANTY and increases the chances of injury or property damage.
- If the lift is not in use, lower to the lowest position and disconnect power.
- It is prohibited to lift the vehicle while occupied.
- When a vehicle is being loaded or unloaded from the lift, no person is allowed to stand in the vehicle passage.
- Do not use the lift while tired, or under the influence of drugs, alcohol, or medications



- Keep areas well lit.
- Keep loads balanced on the lift platforms. Clear the area immediately if a vehicle is in danger of falling off the lift. **DO NOT ATTEMPT TO CATCH A FALLING VEHICLE!**
- Make sure there are no obstacles under the vehicle before lowering it
- If the lift will be left unused for a long period of time, it is recommended that the user disconnects power, empties the oil tank, and lubricates any moving parts with hydraulic oil

**Attention: For environment protection, please dispose of the used oil in a proper way.**

## WARNING:



1. The warning, cautions and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by operator.
2. ALWAYS ensure the mechanical safety locks are engaged. Never remove safety related components from the lift. Do not use if safety related components are damaged or missing.
3. Failure to correctly install, operate, or any improper modifications could result in injury or death of operators.

### 1.5 Labels

**A**

<b>STRATUS</b> auto equipment		STRATUS AUTO EQUIPMENT www.stratusautoequip.com sales@stratusautoequip.com Tel: 512-640-9896		CE
MODEL:	<input type="text"/>	DATE:	<input type="text"/>	
SERIAL NO.	<input type="text"/>			
Lifting Capacity:	<input type="text"/> lbs	Rated Voltage:	<input type="text"/> V	
Lifting Height:	<input type="text"/> in	Rated Frequency:	<input type="text"/> Hz	
Min Height:	<input type="text"/> in	Phase:	<input type="text"/> Ph	
Platform Length:	<input type="text"/> in	Net Weight:	<input type="text"/> lbs	



**B**

 <b>CAUTION</b> 	
<ul style="list-style-type: none"><li>• Only trained personnel is allowed to use the lift.</li><li>• Read the entire manual before operating</li><li>• Never try to raise the vehicle exceeding lift capacity</li><li>• Make sure you meet all safety requirements before you start working under the vehicle</li><li>• Surrounding of lift will remain clear when raising or lowering</li><li>• The manufacturer and distributor will not take any responsibility if user does not follow the operation manual that comes with the lift</li></ul>	

**C**

	 <b>CAUTION</b>
Keep feet clear of the lift when lowering	

**D**

	 <b>CAUTION</b>
Make sure the mechanical safety has been locked before working under the car	

**E**



## 1.6 Sound Level

- The sound emitted from the lift should not exceed 75 DB.

## 1.7 Special Reminder

- The newly installed lift can NOT directly lift vehicle, and should be raised to the highest point then lowered to the lowest point 2-3 times repeatedly without any load to bleed the air out from the hydraulic hose and cylinders to ensure the lift runs smoothly
- 1st time use of the lift with a load after bleeding air out of the the hydraulic hose and cylinders should follow the steps below
  - Loosen the screw cap of the hydraulic oil flow valve and tighten the middle hexagonal screw clockwise inward to the tightest position.
  - Press the “UP” button to raise the lift with loaded vehicle to your desired height.
  - Press and hold the “DOWN” button to wait for the safety lock to be disengaged, then adjust the hydraulic oil flow valve (the middle hexagonal screw) by turning the screw counterclockwise to make the lowering speed reach .5 in/sec or slower.

## Truck Adapters

All Stratus 2-Post lifts are compatible with the following truck adapters only. - Screw-Up Pad Extension - Height Extension Adapter



### **\*WARNING\***

The truck adapters cannot be stacked or used with other adapters. All Stratus adapters should only be used along with the appropriate components.

The Height Extension Adapter can only be used with the designated pad and CANNOT be stacked with any other adapter. See Fig. 3



Fig.3



Fig. 2  
The Height Extension Adapter should only be used with the appropriate extension as shown above in Fig. 2



The Screw-Up Pad can only be used with the locking adapter as shown above on Fig. 1.

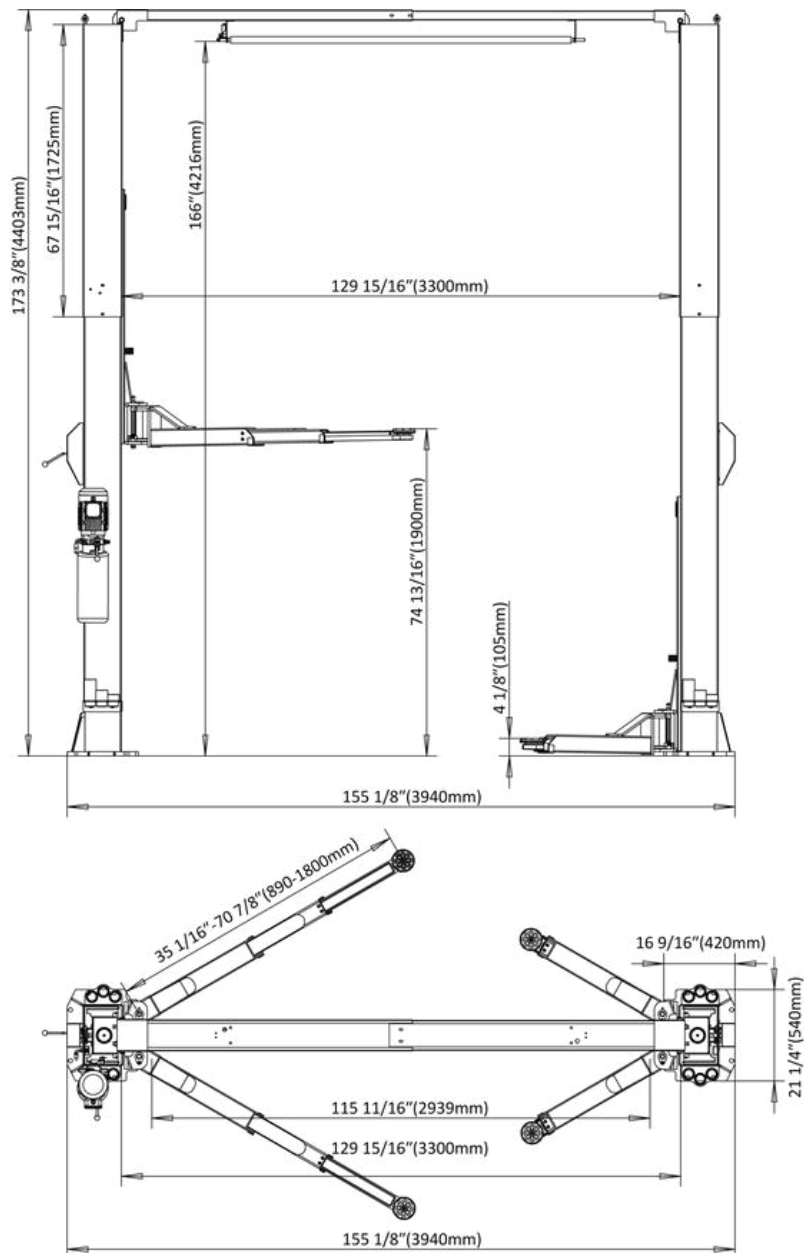
**Stratus Auto Equipment shall not be liable for any injuries or death arising from the mis- use of the lift or any of its accessories, including, but not limited to, truck adapters, height extension adapters, and similar components. Users acknowledge and accept full responsi- bility for the proper use and handling of the equipment.**

# Overview of the Lift





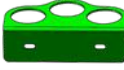










## 2.1 Technical data


















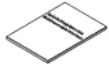
Model	Lifting Capacity	Lifting Time	Lifting Height	Power Supply
SAE- C12X	12,000 LBS	~50 sec	74 13/16"	220V, 1ph

## 2.2 Measurements



## Accessories Box

Serial number	Name	Photo	Parameter	Quantity
1	Arm shaft		Φ40×250L	4
2	Arm shaft fixing screw		Countersunk Hexagon Screw M10× 15L	4
3	Arm bottom pad		Φ70mm	4
4	Truck Adaptor (NOT STACKABLE. FOR SINGLE USE ONLY.)		Φ60×100L	4
5	Heightening bracket			2
6	Heightening sleeve bracket fixing screw		Hexagon socket screws M8× 10L	2
7	Anti-collision tape			2
8	Anti-collision rubber strip fixing screws		Hexagon socket screws M8× 30	4
9	Power unit frame			1
10	Power unit frame fixing screws		Hexagon socket screws M10× 16L	Each 2
11	Power unit fixing screws		Hexagon Screw M8×25L	Each 4
12	Manual unlocking lever		M10	Each 1
13	Safety lock release cable			1
14	Wire rope U-shaped chuck		M3	2
15	Expansion screw		M20× 160L	14

Serial number	Name	Photo	Parameter	Quantity
16	Plastic gasket			15
17	Plastic cable tie			30
18	Main column upper limit switch			1
19	Main column upper limit switch fixing screw		Phillips round head screws M5× 10L	2
20	Upper limit plate and limit switch		M4× 10 and M4× 25	1
21	Upper limit board			1
22	Upper limit plate fixing screw		Hexagon Screw M10× 20L	Each 4
23	Two cross arm connecting screws		Hexagon Screw M8× 20L	Each 6
24	Two-section cross arm end fixing screws		Hexagon Screw M10× 25L	Each 8
25	Heightening section and column connecting screw		Hexagon socket screws M10× 12L	Each 16
26	Wire rope support frame at the upper end of the heightening section			2
27	Fixing screws for the upper wire rope support frame of the heightening section		Hexagon socket screws M5× 10L	4
28	Plastic buckle cover fixing screw		Phillips round head screws M6× 8L	8
29	Increased fuel-saving pipe pressure pocket			6
30	Increased the fuel-saving pipe pressure pocket fixing screw		Hexagon socket screws M6× 10L	Each 12
31	Block rubber cover			2
32	Locking and unlocking rope seat assembly accessories			2
33	User's manual			1

# Installation Instructions

## 3.1 Precautions for Installation

- The joints of the oil hose must be firmly connected in order to avoid leakage
- All bolts should be firmly screwed up
- Do not place any vehicle on the lift during trial running

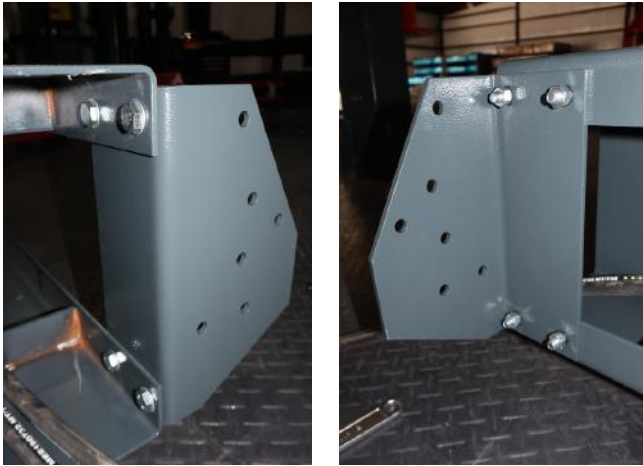
## 3.2 Installation



- Remove the accessory packages, and take the parts out of their packaging.
- Be sure to check for any missing or damaged parts. **Please call us immediately if there are any missing or damaged parts.**
  - If you do not contact us and insist on installing with missing or damaged parts, we, nor our dealers will bear any responsibility and will charge for any parts subsequently damaged.



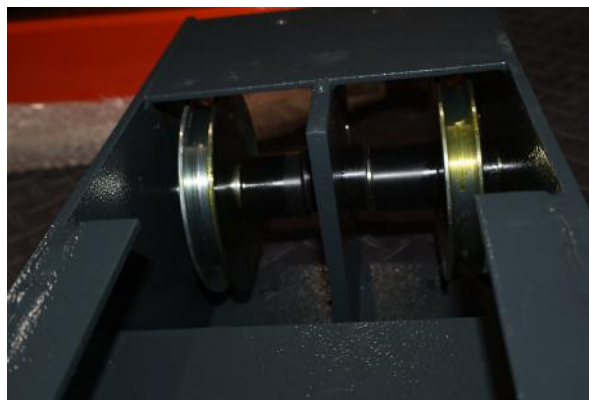
- Firstly, assemble the 2 posts.
  - Using the bolts provided, use them to connect the 2 pieces for each post.



- Once each post has been assembled, install the post cap for the cross beam.



- With the post assembled, wire the safety switch through the post



- Next, assemble the cross beam
  - Symmetrical
    - Keep the singular rod on the ends of the crossbeam

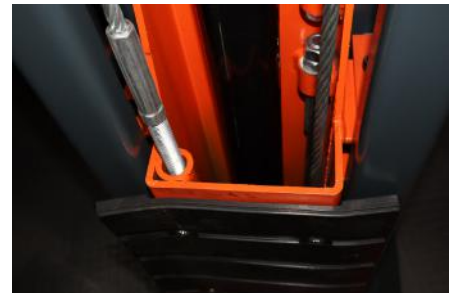




- Once the cross beam has been assembled, and the post have been stood up, install the cross beam onto the posts with the bolts provided.



- NOTE:
  - The cross beam must be installed with the 3 holes on the cross beam placed on the side of the main post, and the 2 holes on the cross beam placed on the side of the secondary post.
- With the cross beam installed, install the cross safety bar



- Next, route the cables and hydraulic hoses.



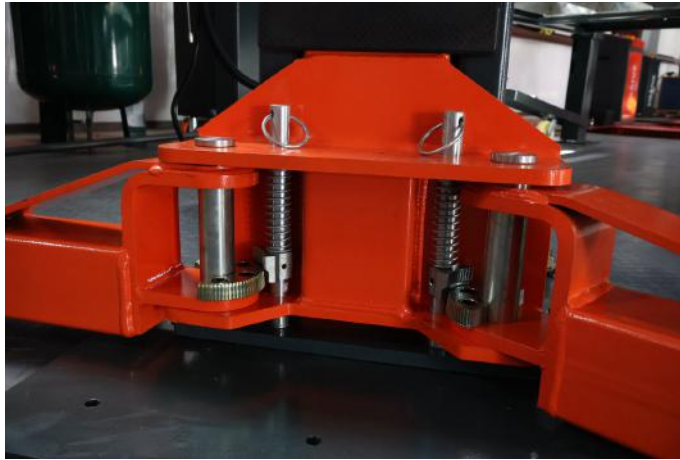
- Next, install the mounting bracket for the pump, and proceed to install the pump



- Connect the hydraulic hose from the post to the pump



- With the pump installed, connect the wiring and safety lock release lever



- With the pump installed on the main post, assemble the arms
  - Line up the holes on the arms with the holes on the lifting carriage, and insert the pin
  - Install the 3 stage arm in the back, and the 2 stage arm in the front of the lift.

# Operation Instructions

## 4.1 Precautions

- Check all the joints of the oil hose to ensure there is no leakage
- If the safety device of the lift malfunctions, the lift shall not be used.
- The Machine shall not lift or lower an automobile if its center of gravity is not positioned midway between the rising platforms.
  - If the lift is used while the vehicle's center of gravity is not positioned midway between the rising platforms, Stratus, as well as our dealers will not bear any responsibility for any consequence resulted thereby.
- All individuals should stand in a safe area away from the lift during the lifting and lowering process.
- Make sure the safety lock is engaged before you begin working under the vehicle.
- No people are permitted to be under the vehicle during the lifting and lowering process.

## 4.2 Operating Instructions

### Raising the lift

- Make sure that you have read and understood the operation manual before operation.
- Drive and center the vehicle in between the posts.
- Adjust the lift arms so the vehicle is positioned with the center of gravity between the pads
- Ensure all arms are contacting the vehicle at the designated lift points
  - MAKE SURE THE ARM SAFETY MEASURES ARE ENGAGED
- Raise the lift by pressing the lifting button adaptors contact the underside of the vehicle
  - MAKE SURE THE VEHICLE IS SECURED
- Proceed pushing the lifting button until the desired height has been reached

### Standing

- Once the lift is at the desired height, press the lowering lever to engage the nearest locking position
- Always ensure that the lock in each column is engaged before any attempt is made to work on or near the vehicle.

### Lowering the lift

- Raise the lift to release pressure on the locking mechanism
- Release the locks manually with the safety lock lever
- Lower the lift by pressing the lowering lever
- Before removing the vehicle from the lift area, position the lift arms and pads out of the vehicle's way to provide a clear exit way
  - NEVER DRIVE OVER THE LIFT ARMS

## Frequently Asked Questions

- What thickness of concrete do you recommend?
  - We recommend 6-12 inches of reinforced concrete that has cured for at least 30 days.
- What is the recommended PSI for the concrete?
  - We recommend a psi of 3,000
- What kind of oil do I use?
  - AW32 or AW46 hydraulic oil
- Does this lift come with a plug?
  - The lift does not come with a plug, you will need to get a 110V, or 220V connection with plug
- How do I hook up the electrical?
  - Yellow Green Wire: ground Wire
  - Blue and Brown Wire:
    - If using a 110V power supply either the blue or brown wire can be wired to be hot. If the blue wire is selected to be hot, the brown wire will be neutral and conversely if the brown wire is selected to be hot, the blue wire will be neutral
    - If a 220V power supply is used, both the blue and brown wires will be hot

# Maintenance

- Daily Pre-operation
  - Check hydraulic connections and hoses for leaks
  - Check mechanical locks audibly and visually while in operation
  - Check arm locks
  - Check bolts, nuts, and screws are tight
- Every 1 Month
  - Check all cable connections, pins and bolts to insure proper mounting
  - Inspect all anchor bolts and retighten if necessary
  - Check columns for square-ness and plumb
  - Check equalizer cable tension, adjust if necessary
  - Check safety cable, adjust if necessary
  - Check all arm pivot pins. Make sure they are properly secured
  - Check all lifting pads, replace if necessary
  - Lubricate columns with grease
  - Check the hydraulic oil, fill or replace if necessary
  - Check hydraulic systems for proper operation
- Ever 12 Months
  - Verify that all components and mechanisms are not damaged
  - Verify the equalizer cables are not worn, change if necessary
  - Check the electrical system to verify that the motors operate properly  
(This work must be carried out by skilled electricians)
  - Empty the oil tank and change the hydraulic oil

## Warranty

- 5 years lifting structure Post, Cross Bar, Carriage, Arms, Safety Locks, Safety Lock Pins, Arm Pin, Runway
  - 3 years hydraulic Power Unit/Station, Cylinder
  - 2 years electrical Electrical, Buttons, Solenoid, Limit Switch
  - 1 Year Balance Cable, Safety Lock Release Cable, Safety Covers, Support Bar, Ramps, Hydraulic Hose, Fittings
  - No Warranty Door Guard, Rubber Pads, Truck Adaptors
- \*\*Parts only!! Labor costs for someone to install replacement parts are **NOT** covered. The hydraulic cylinders come with a 30 day full warranty and after 30 days we will provide a seal kit\*\*

## Shipping

### CHECK SHIPMENT UPON ARRIVAL

Whereas, we do take precautions to make sure your product gets to you in one piece. There are rare instances where a product may get damaged in transit. You should thoroughly inspect the shipment to make sure all pieces and parts have arrived and document on the bill of lading before accepting. If you are missing any part or damage has occurred, contact us so we can help correct the issue. Please document pictures for records.

## Returns/Cancellations/Refunds

- Returns are only accepted within 14 days from the delivery date, buyer pays return shipping which is non-refundable unless the item sent is incorrect or faulty.
- Merchandise must be unused and packed with the original packages.
- Proof of payment must accompany the return.
- All returned merchandise are subject to inspection. If you are entitled to a refund then we will refund the price of your item.
- We **CHARGE 30% HANDLING & RESTOCKING FEE** if you want to return or cancel the order after we ship out the item. If you choose to cancel your order before we ship it out, your money will be refunded minus a \$250 processing fee.
- Refunds are usually processed within 7 working days of receipt. However, during busy periods this may take longer. We will contact you via email as soon as we have processed your return. Please make sure that your inbox can receive emails from sales@stratusautoequip.com, as this is the email address that we will use to contact you.
- We only offer refunds onto the original payment method used to make the order.

## Parameters

<b>Model</b>	<b>C12X</b>
Rated Lifting Capacity	12,000 LBS
Minimum Lifting Height	4 5/8"
Lifting Height	74 13/16"
Drive Clearance	115 11/16"
Front Arm Reach: Max	70 7/8"
Front Arm Reach: Min	35 1/16"
Arms Thickness of Steel	7.75mm
Motor Parameters	3 HP, 220V, 60 HZ
Hydraulic Oil	AW32 or AW46

## Features

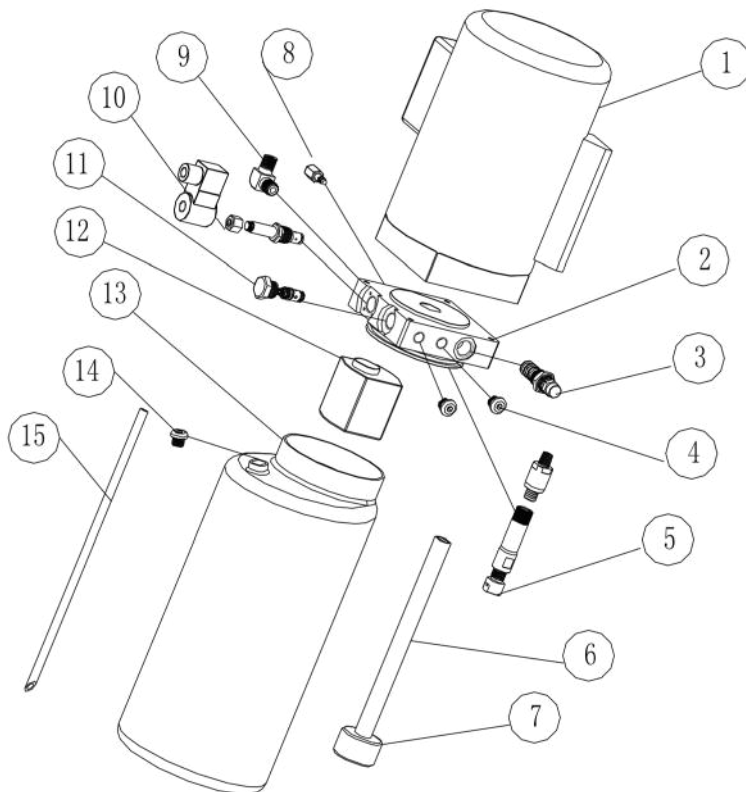
Overhead/ Clear floor design  
Single point manual release  
Direct drive  
4pcs Truck Adaptors - 4pcs of each height 2 3/4" & 4"  
2 top limiter switch  
Powder coating finish: Granite Gray (RAL 7026) + Rein orange (RAL 2004)



# Exploded View

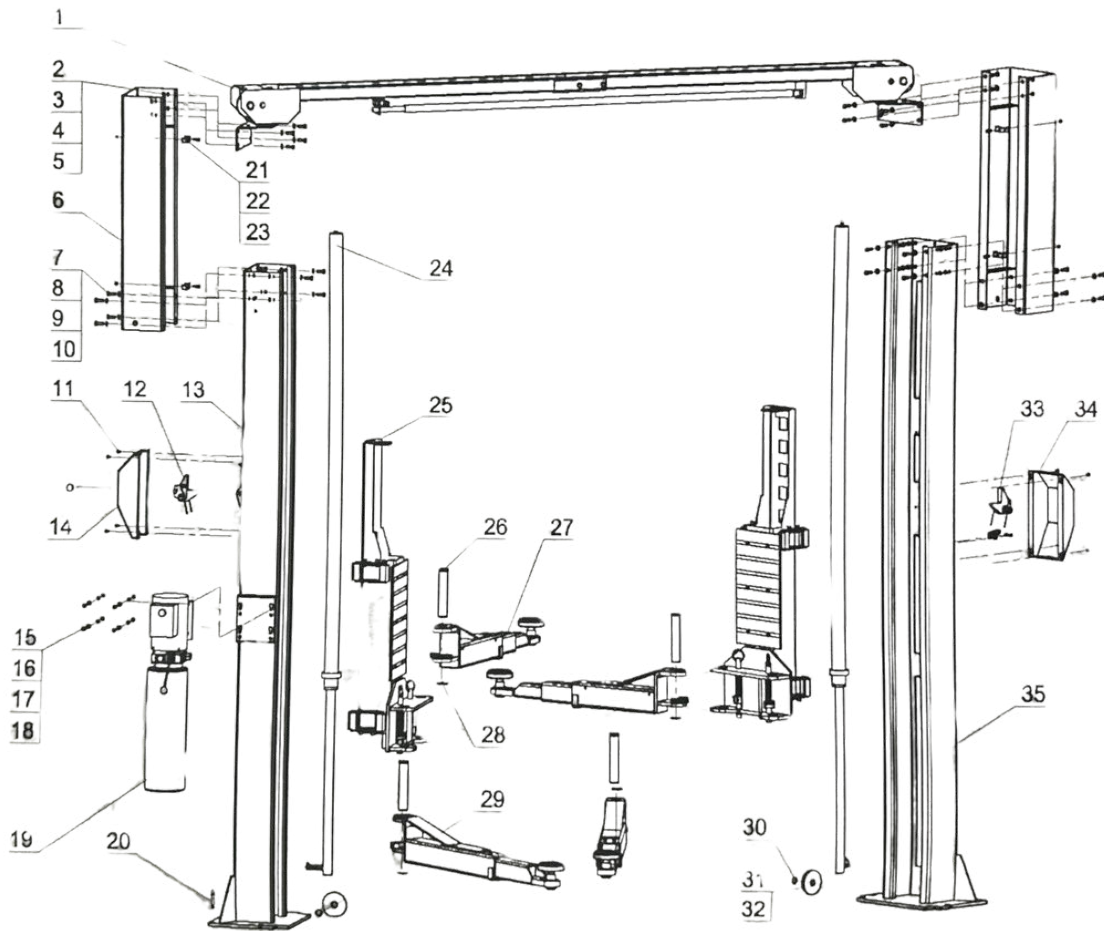
## Pump:

NO.	Description	QTY	NO.	Description	QTY
1	Motor	1	9	Oil Hose Tie-In	1
2	Hydraulic Block	1	10	Electrical Unloading Valve	1
3	Overflow Valve	1	11	Single Way Valve	1
4	Fitting	2	12	Gear Pump	1
5	Cushion Valve	1	13	Oil Tank	1
6	Absorbing Oil Pipe	1	14	Oil Tank Cover	1
7	Oil Filer	1	15	Oil Back Pipe	1
8	Throttle Valve	1			



# Exploded View

Lift:

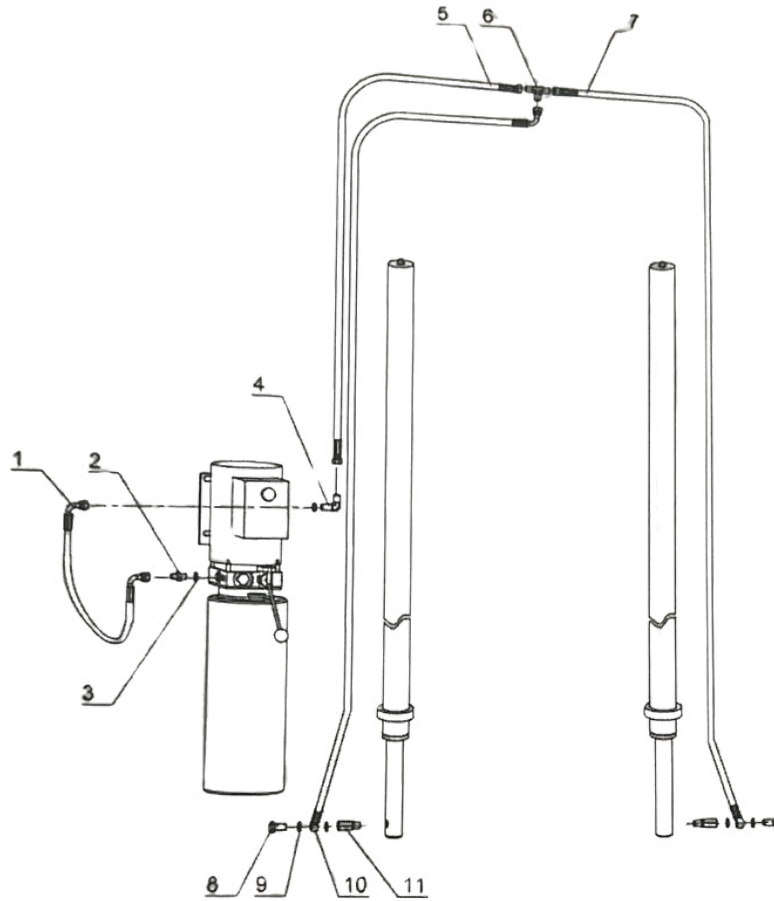


No.	Description	QTY	No.	Description	QTY
1	Cross beam	1	6	Extension column	2
2	Bolt M10x30	8	7	Bolt M10x30	16
3	Nut M10	8	8	Nut M12	16
4	Flat washer 10	8	9	Flat Washer 12	16
5	Spring Washer 10	8	10	Spring Washer 12	16

No.	Description	QTY	No.	Description	QTY
11	Screw M6x10	10	24	Oil cylinder 50x38x1850	2
12	Power side safety lock	1	25	Lifting carriage	2
13	Power side column	1	26	Pin roll	4
14	Power side safety lock cover	1	27	Three-stage lifting arm	2
15	Bolt M8x25	4	28	Shaft ring 38	4
16	Nut M8	4	29	Two-stage lifting arm	2
17	Flat Washer 8	4	30	Shaft ring 25	4
18	Spring Washer 8	4	31	Slide wheel	6
19	Power Unit	1	32	Composite bush 2516	6
20	Anchor Bolt M20x160	10	33	Off side safety lock	1
21	Bolt M6x30	4	34	Off side safety lock cover	1
22	Locking nut N6	4	35	Off side column	1
23	Clip	4			

# Exploded View

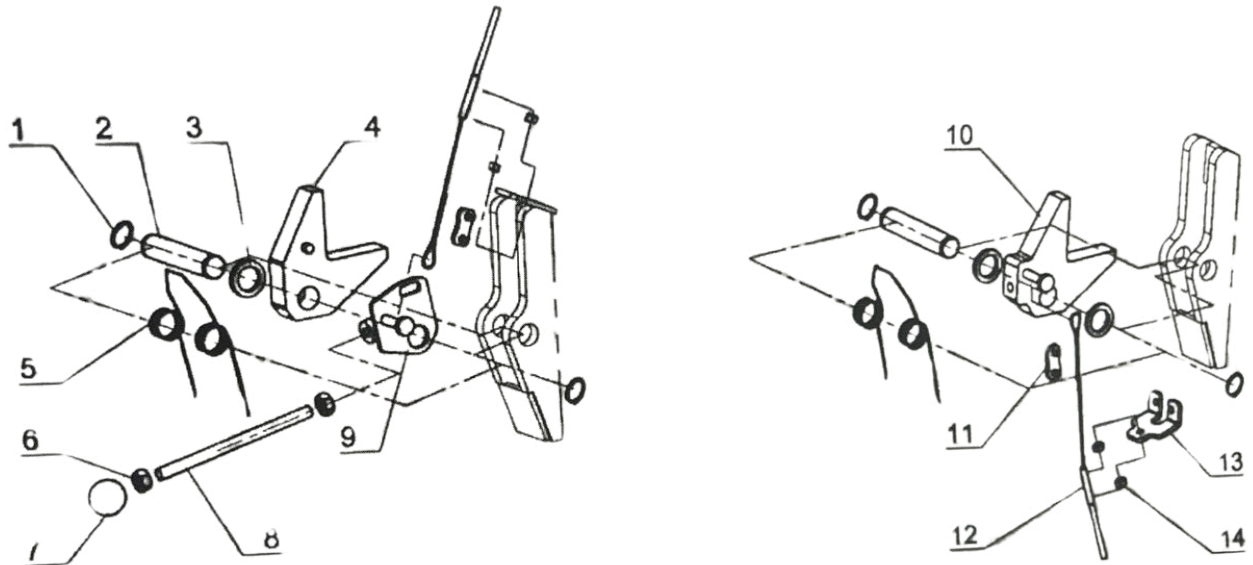
## Hydraulic System



No.	Description	QTY	No.	Description	QTY
1	Oil hose 450	1	7	Oil hose 5500	1
2	Power unit fitting	1	8	Hollow bolt G 1/4	1
3	Composite bush	1	9	Composite gasket G 1/4	1
4	Straight angle fitting G 1/4	1	10	Oil hose 5500	1
5	Oil hose 4350	1	11	Fitting 65	1
6	T fitting G 1/4	1			

# Exploded View

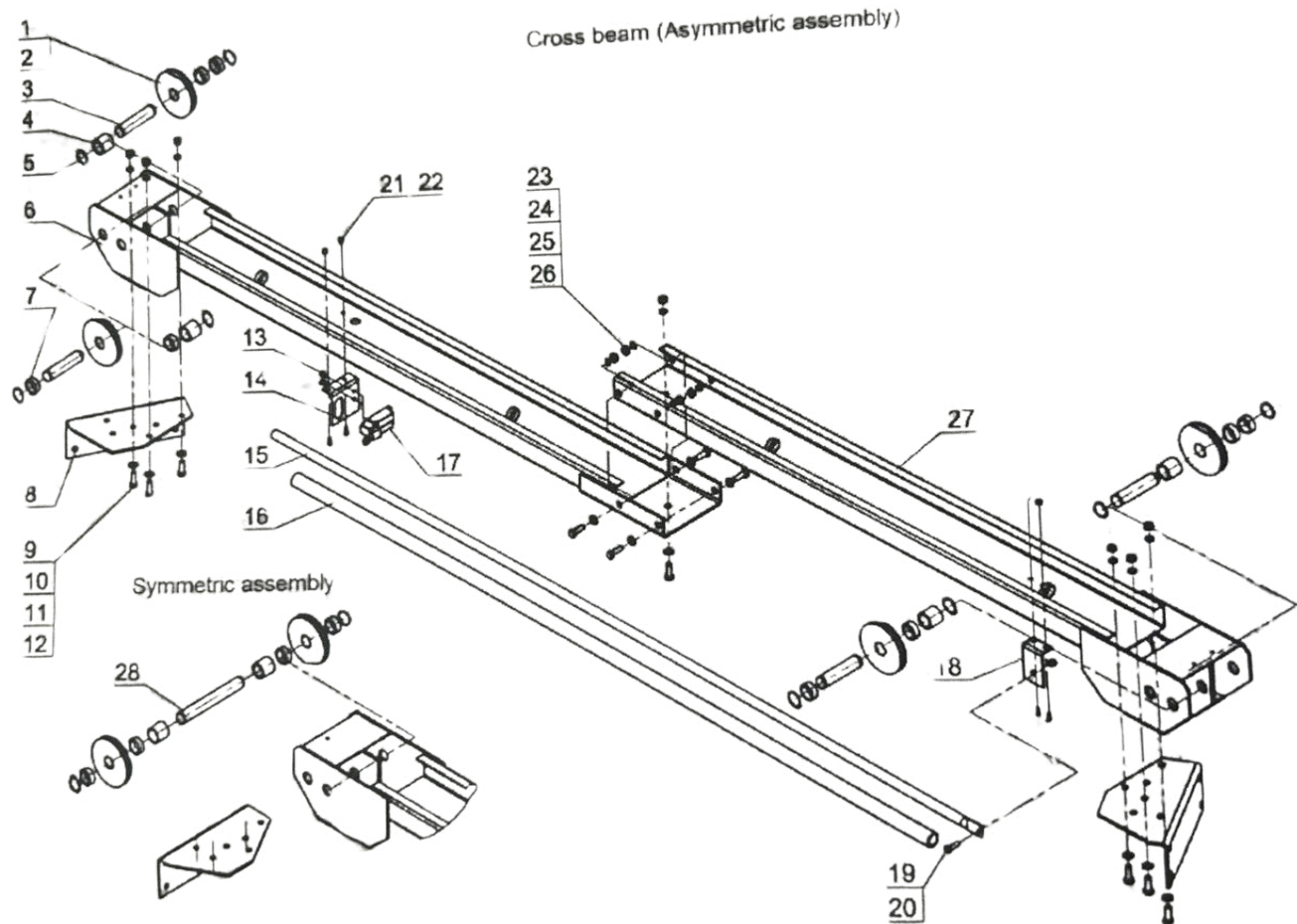
## Safety lock system



No.	Description	QTY	No.	Description	QTY
1	Shaft ring 30	4	8	Handle	1
2	Safety lock hook shaft	2	9	Handle turning block	1
3	Lock spring cushion	3	10	Off side safety lock	1
4	Power side safety lock	1	11	Safety cable clip M2	2
5	Torsional spring	2	12	Safety cable 7300	1
6	Nut M10	2	13	Safety cable fixing plate	1
7	Handle ball M10	1	14	Nut M6	4

# Exploded View

## Cross Beam

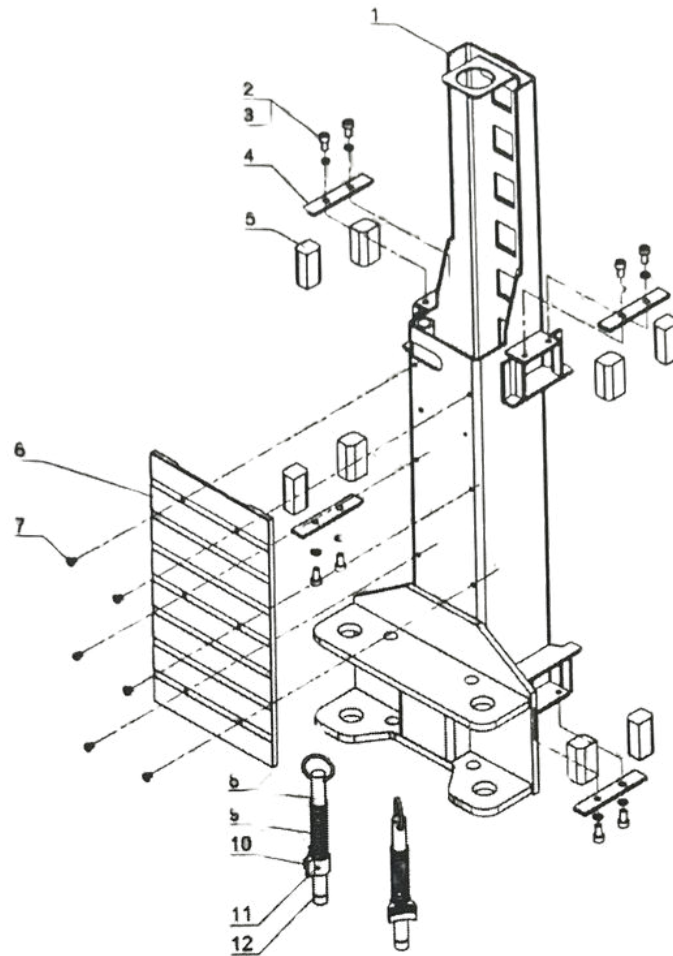


No.	Description	QTY	No.	Description	QTY
1	Slide wheel	6	6	30° cross beam I	1
2	Composite bush 2516	6	7	Spacer sleeve 12	8
3	Short shaft	4	8	30° cross beam junction plate	2
4	Spacer Sleeve 32	4	9	Bolt M10x30	8
5	Shaft ring 25	8	10	Nut M10	8

No.	Description	QTY	No.	Description	QTY
11	Flat washer 10	8	20	Locking nut M8	1
12	Spring washer 10	8	21	Bolt M6x16	4
13	Bolt M5x10	2	22	Locking nut M6	4
14	Hole plate	1	23	Bolt M12x30	5
15	Rod	1	24	Nut M12	5
16	Foam sleeve	1	25	Flat washer 12	5
17	Limit switch	1	26	Spring washer 12	5
18	Hole plate 2	1	27	30° cross beam II	1
19	Bolt M8x25	1	28	Sliding shaft	2

# Exploded View

## Lifting carriage

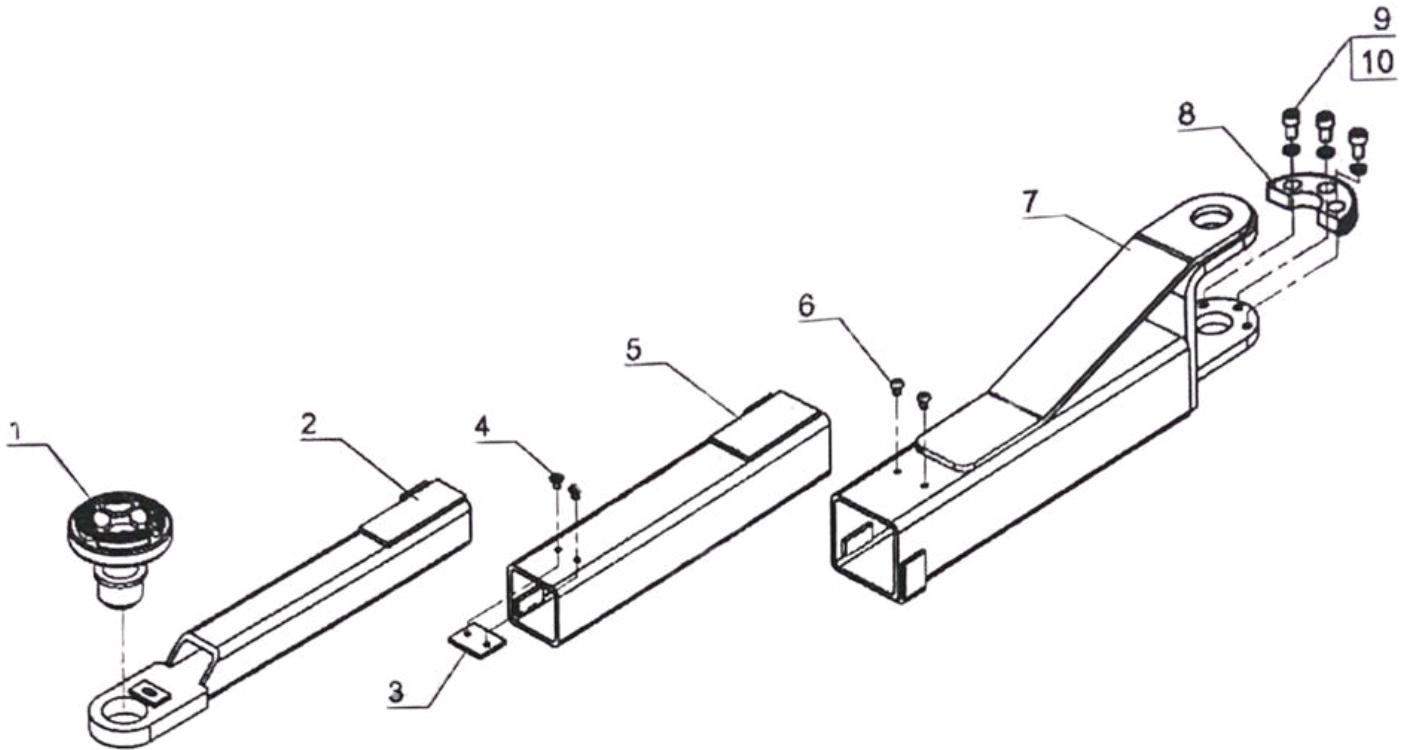


No.	Description	QTY	No.	Description	QTY
1	30° lifting carriage	2	7	Bolt M8x20	12
2	Socket head screw M10x16	16	8	Pull rod	4
3	Spring washer 10	16	9	Pressure spring	4
4	Slider pressure plate	8	10	Tooth piece	4
5	Slider	16	11	Spring pin 5x35	4
6	Door protection plastic pad	2	12	Shaft ring 22	4



# Exploded View

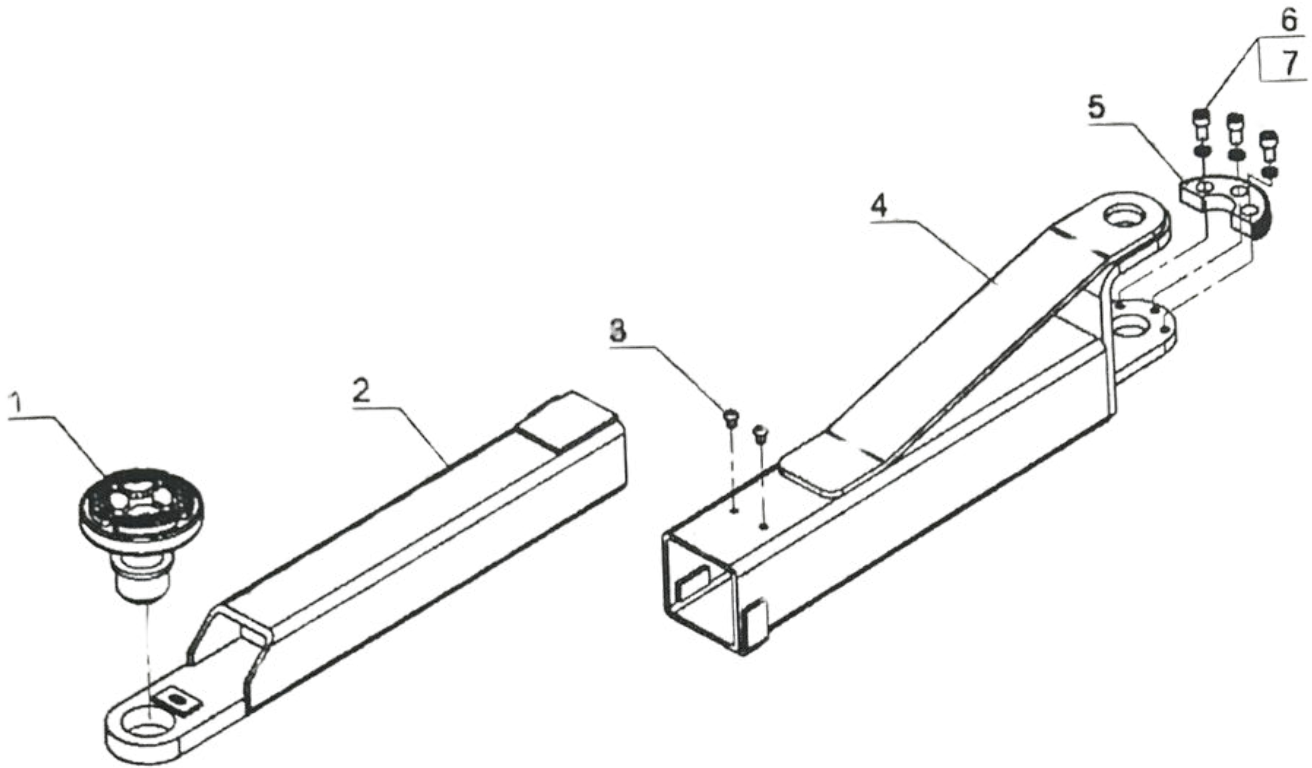
## Three Stage Arm



No.	Description	QTY	No.	Description	QTY
1	Screw adapter	2	6	Hexagon socket screw M8x10	4
2	Front arm	2	7	Rear arm	2
3	Oriface plate	2	8	Tooth block	2
4	Hexagon socket screw M8x8	4	9	Socket head screw M10x20	6
5	Middle arm	2	10	Spring washer 10	6

# Exploded View

## Two Stage Arm



No.	Description	QTY	No.	Description	QTY
1	Screw adapter	2	5	Tooth block	2
2	Front arm	2	6	Hexagon socket screw M10x20	6
3	hexagon socket screw M8x10	4	7	Spring washer 10	6
4	Rear arm	2			

# Automotive Lift Institute Store

You probably checked the [ALI's Directory of Certified Lifts](http://www.autolift.org/ali-directory-of-certified-lifts/) (www.autolift.org/ali-directory-of-certified-lifts/) before making your most recent Lift purchase, but did you know the [ALI Store](http://www.autolift.org/ali-store/) (www.autolift.org/ali-store/) offers a wide variety of professional, easy-to-use, and reasonably priced training and safety materials that will make your garage a safer place to work?

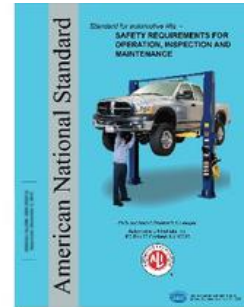
The ALI Store is your trusted source for workplace safety!



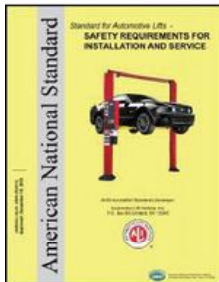
**Lifting It Right Online Certificate Course.** Make *sure* you and your people are lifting vehicles the right way.



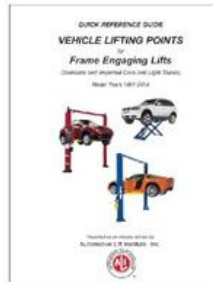
**ALI Lift Inspector Certification Program Registration.** Become a **ALI Certified Lift Inspector.**



**ANSI/ALI ALOIM Standard for Automotive Lifts.** Safety Requirements for Operation, Inspection, and Maintenance.



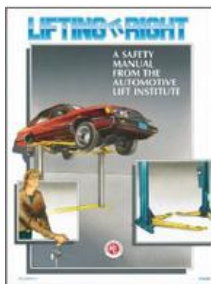
**ANSI/ALI ALIS Standard.** Safety Requirements for Installation and Service.



**Guide to Identifying Vehicle Lifting Points for Frame-Engaging Lifts.** Don't eyeball your lifting points, *know* where they are.



**Lift Operator Safety Materials.** Five safety documents in a single package.



**Lifting It Right.** A hardcopy version of the *Lifting It Right* safety manual from the Automotive Lift Institute.



**Uniform Warning Labels and Placards for 2-Posts.** Labels in Mandarin, French Canadian, and Spanish are also available.



**Safety Tips Card.** Reminds your people of 13 key safety tips to follow daily.

Visit today and get the training and materials you need to worksafely:

[www.autolift.org/ali-store/](http://www.autolift.org/ali-store/)

## Special Notes

### **Environmental damage :**

- Only appropriately trained personnel may dismantle and dispose of the unit.

### **Dismantling:**

- To dismantle the product, proceed as follows:

#### **ELECTRICAL HAZARD!**

- When carrying out any decommissioning and dismantling work on the unit, switch off all power supply connections, ensure they cannot be switched on unintentionally and verify that they have been disconnected. Earth and short-circuit them, and cover or otherwise isolate any neighboring live parts. Failure to do so may lead to serious injuries or death.

#### **HIGH PRESSURE HAZARD.**

- When carrying out any unit decommissioning and dismantling work, close off and empty all the connection pipes until the pressure is the same as the ambient air pressure. Failure to do so may lead to injury.
- Make sure that the hydraulic circuit has been switched off. Close all hydraulic shut-off valves.
- Disconnect all connections, making sure at the same time, that no operating materials escape, such as oil, refrigerant and water- glycol mixture.
- Loosen the connection to the base.

#### **PERSONAL INJURY!**

- Secure the unit against slipping. The unit is ready for transporting.
- It is important that all transport information is observe

### **Disposal:**

- A specialist company with the appropriate competence must dispose of the unit and individual components. This technical services department must ensure that:
  - the components are separated according to material types
  - that the operating materials are sorted and separated according to their properties.

#### **ENVIRONMENTAL DAMAGE.**

- Dispose of all components and operating materials (such as oil, refrigerant and water-glycol mixture) separately according to material and in line with local laws and environmental regulations.

### **Noise Declaration:**

- Sound power level: LWA<85dB Accompanied uncertainly K=4 dB
- With the rated load, the pump motor rotate.
- Applied operating conditions are:
- According to the test report, the operating position is the loudest, but the noise risk is not a hazard, as the volume should not be high enough to hurt the operator.
- If the volume is higher than 85 dB, the lift must be stopped and check for troubles and repairs.