INSTALLATION & OPERATION MANUAL

QLJBA3500

Pneumatic Jacking Beam



Read this manual before installing or operating the lift.
Keep it near the lift and make sure every operator understands the safety instructions. Improper installation or operation can cause serious injury or death.

Product Overview

3,500 lb rolling jacking beam for compatible four-post lifts. This optional accessory lifts one end of a vehicle off the runways so the wheels can be removed for brake, tire and suspension service. The beam rolls along the lift's jacking rails to align its pads with the vehicle manufacturer's approved lifting points.

This beam is an optional upgrade for Quick Lift USA's standard 8,000 lb and 9,000 lb XL four-post lifts. It also fits many standard four-post lifts from other manufacturers when the rail spacing, rail profile, mounting hardware and clearance are compatible. Confirm fit before installing it.

An air-powered hydraulic foot pump raises the beam. Connect it to a compressed-air supply delivering 125 PSI at 10–20 CFM. It is compatible with most air compressors that meet these requirements. The air compressor / air-supply pump is not included.

The beam's 3,500 lb rating is the total load supported by the beam, not the vehicle's total weight. Do not exceed the capacity of the beam, its adapters or the four-post lift.

The mechanical safety lock must support the load before anyone works beneath the raised vehicle. Never rely on hydraulic pressure alone.



Specifications

Specification	Value
Rated capacity	3,500 lb
Lifting travel	8-1/4 in.
Operation	Pneumatic / hydraulic foot pump
Safety system	Mechanical safety lock
Primary applications	Standard Quick Lift USA 8K and 9K XL four-post lifts
Other lift compatibility	Subject to rail spacing, rail geometry and mounting fit
Adapter heights	1-1/4 in. / 4-15/16 in.
Required air supply	125 PSI at 10–20 CFM
Air compressor / air-supply pump	Not included

Safety Instructions

Only trained, authorized personnel may install or operate this beam. Read this manual and the four-post lift manual before use. Keep bystanders clear of the work area.

Inspect the beam, rollers, mounting supports, retaining hardware, hydraulic hose, pads, adapters and safety lock before each use. Do not use equipment with damage, leaks, loose hardware or an unreliable lock.

Use only approved vehicle lifting points. Center the load over the beam and keep both pads firmly seated. Do not use improvised spacers or stack adapters.

Raise the four-post lift to the desired working height and lower it onto its mechanical locks before using the beam. Both runways must be securely supported.

Chock the wheels that remain on the runways. When lifting the front of the vehicle, chock the rear wheels; when lifting the rear, chock the front wheels.

Keep hands and feet clear of the scissor mechanism, rollers and all pinch points. Watch the vehicle and beam throughout raising and lowering.

Never move the beam while it supports a load. Never drive a vehicle over raised pads. Fully lower and stow the beam clear of the vehicle before driving onto or off the lift.

Installation & Initial Inspection

1. Confirm compatibility. Check the lift's rail spacing, support surfaces, mounting profile and clearance. The beam must sit squarely between the runways with both mounting supports fully engaged.

2. Position the unloaded beam. Use suitable handling equipment and assistance. Install the mounting supports and retaining hardware appropriate to this beam and lift. Adjust the supports evenly and secure all hardware.

3. Check retention and travel. Verify that the beam cannot leave the rails. Roll the unloaded beam along its operating range; it must move freely without binding or interfering with the lift.

4. Connect the air supply. Inspect the hydraulic hose and fittings. Connect the compressed-air hose to the pump's air inlet using the proper fitting. Supply 125 PSI at 10–20 CFM. Use a regulator and do not exceed the installed pump's pressure rating. Route the hose clear of moving parts.

5. Test without a load. Raise and lower the beam through its operating range. Verify that the safety lock engages and releases correctly. Correct any leak, binding or lock problem before loading the beam.

Raising & Supporting the Vehicle

1. Secure the four-post lift on its mechanical locks. Fully lower the beam, position it under the approved front or rear lifting points and chock the wheels that remain on the runways.

2. Adjust the pad spacing and select the appropriate adapters. Confirm that the pads will contact both approved lifting points securely and evenly.

3. Press the pump pedal on the air-inlet side to raise the beam. Release the pedal to stop raising.

4. Raise the pads to contact the vehicle. Pause and verify that the vehicle is centered, the pads are secure and the beam remains seated on both rails. Continue to the desired working height.

5. Press the pump pedal on the hydraulic-hose side to release pressure slowly and lower the beam onto its mechanical safety lock.

6. Confirm that the lock fully supports the load before starting work. If the lock does not engage securely, lower the vehicle and correct the problem.

Lowering & Stowing

1. Remove tools, loose parts and other obstructions. Keep all people clear of the vehicle and the beam.

2. Press the air-inlet side of the pedal to raise the beam slightly and unload the mechanical safety lock.

3. Operate the safety release to disengage the lock. Keep hands clear of the scissor mechanism.

4. Press the hydraulic-hose side of the pedal to lower the vehicle in a controlled manner. Avoid sudden lowering.

5. Once the tires rest securely on the runways, fully lower the beam. Retract the pads and adapters as needed for clearance.

6. Roll the unloaded beam to the front of the lift or another designated storage position clear of the vehicle's path. Confirm clearance before moving the vehicle.

Inspection, Maintenance & Warranty

Keep the beam clean and the rollers, pivots and lock mechanism free of debris. Inspect the hydraulic hose and fittings for leaks and wear. Tighten loose hardware and replace damaged parts before use.

Check that the safety lock moves freely and engages positively. Never disable or modify the lock. Have hydraulic or structural repairs performed by qualified service personnel.

Check the hydraulic oil level according to the installed pump's instructions. Change the oil as needed depending on use and condition. Keep dirt and moisture out of the hydraulic system.

Disconnect the compressed-air supply before maintenance. Keep the air hose, inlet fitting and pedal in good condition. Follow the installed pump's maintenance instructions.

Troubleshooting. If the beam will not raise, raises unevenly, drifts, leaks or fails to lock, stop using it. Check load placement, controls, mounting and visible hydraulic connections. Contact Quick Lift USA if the problem persists.

Automatic two-year warranty. Quick Lift USA provides a two-year warranty on all non-wearable parts. No registration form is required. Contact Quick Lift USA for warranty or service assistance.

Quick Lift USA
3380 S. Power Rd. #105, Gilbert, AZ 85234
602-828-0950 | www.quickliftusa.com

Original Parts List: Page 1

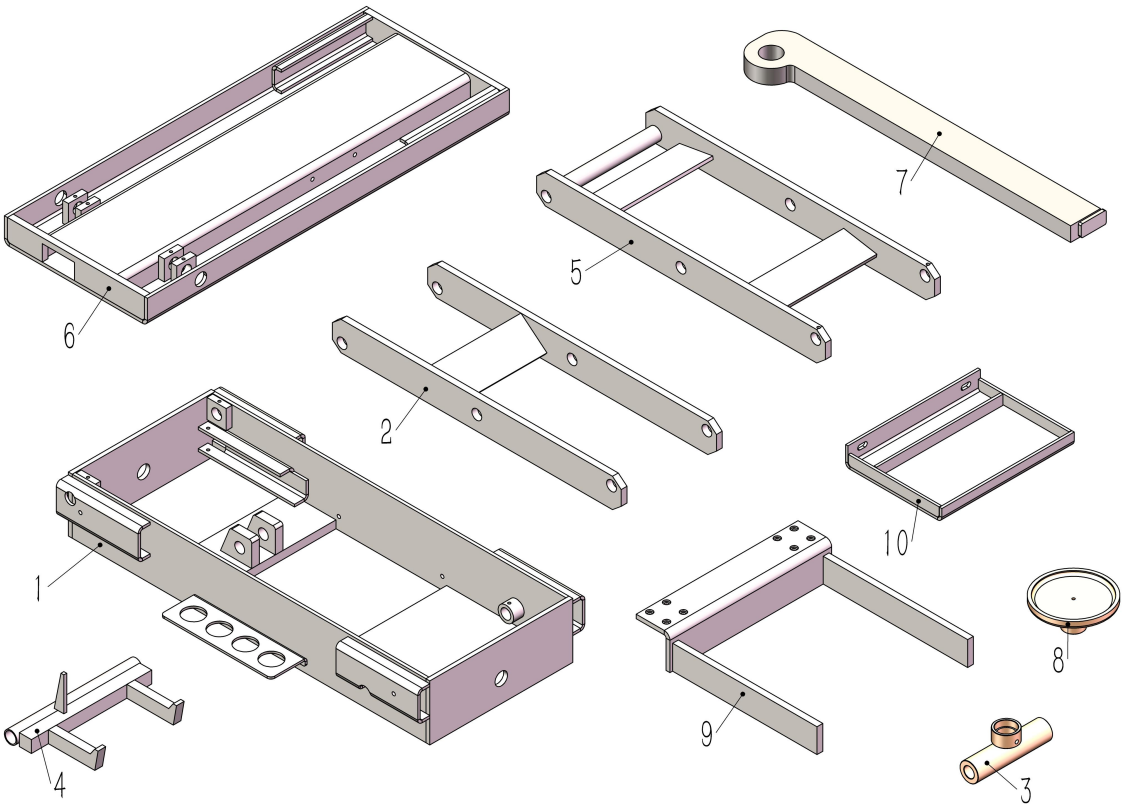
part list

No.	No.	Part name	Qty
3500 rolling jack-pneumatic			
Weld part			
1		Foundation assembly	1
2		Inside scissor assembly	1
3		Cylinder bushing assembly	1
4		Safety hook assembly	1
5		Outside scissor assembly	1
6		Top plate assembly	1
7		Arm assembly	2
8		Tray pad assembly	2
9		Expansion foot-1	2
10		Air pump bracket	1
Standard part			
11		M6×8 Set bolt	14
12		M8×8Set bolt	1
13		M6×15	2
14		M6×12 Flat head bolt	16
15		M8×15 Hexagon head bolt	2
16		M8×20 Hexagon head bolt	6
17		φ8 Spring washer	2
18		φ8 Flat gasket	6
19		φ20 Flat gasket	8
20		φ20 Shaft circlip	6
21		M8 Nut	4
22		Spring pinφ5x50	1
Assembly sequence			
	1	Foundation assembly	1
23		Cylinder φ50xφ35-250x85	1
24		Axle- Cylinder tail shaftφ20-77-67	1
	20	φ20 Shaft circlip	2
25		90 degree ZG3/8 connector	1
26		9/16 point head -ZG3/8 connector	1
27		Oil pipe length-660	1
28		Safety bar - bend φ12-260	1
29		Plastic ball-M10	1
	22	Spring pinφ5x50	1
30		Axle-scissor arm -2-φ20-270	1
31		Safety hook plate	2
	11	M6×8 Set bolt	2
	2	Inside scissor accessory	1
	19	φ20 Flat gasket	2
32		Spacer bush-safety hook plate -φ26xφ22-155	1
	19	φ20 flat gasket	2

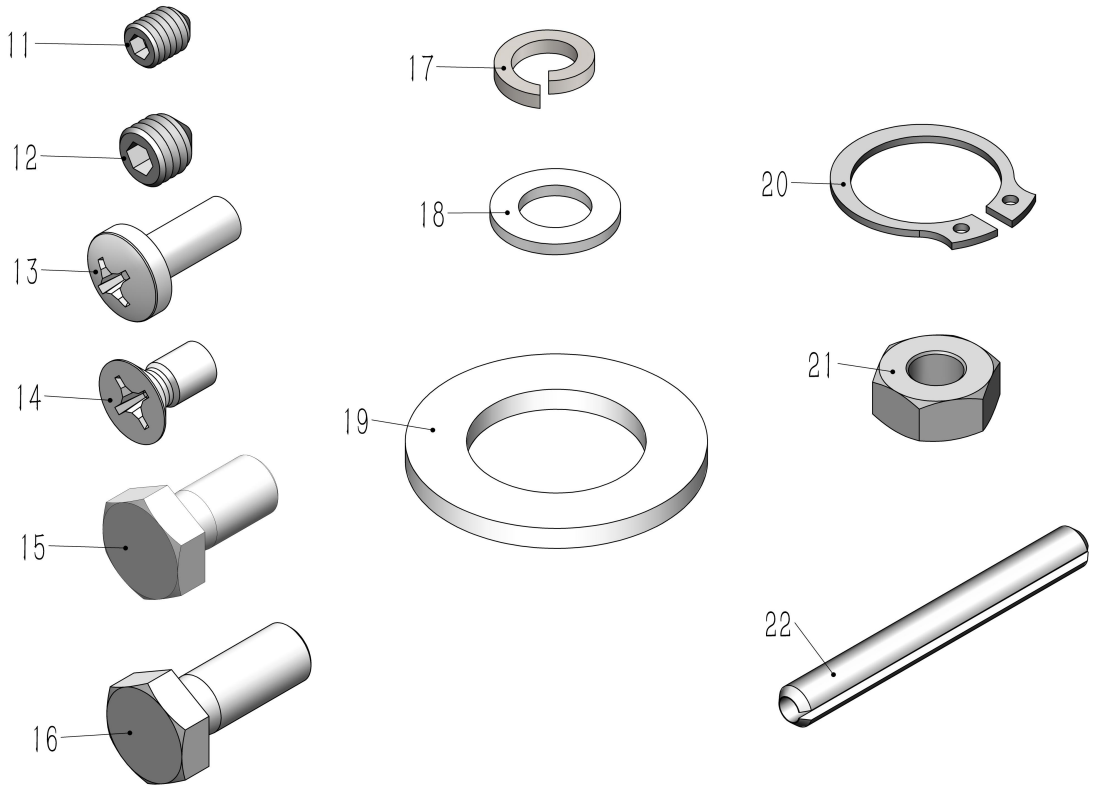
Original Parts List: Page 2

33		Wheel φ32xφ20.5-28	2
	3	Cylinder bushing assembly	1
34		Axle- safety hook plate -φ20-178-166	1
	11	M6×8 Set bolt	2
	12	M8×8 Set bolt	1
	4	Safety hook assembly	1
35		Axle-safety hookφ20-295-273	1
	11	M6×8 Set bolt	2
	5	Outside scissor assembly	1
36		Axle- arm-1-φ20-295-255	1
	11	M6×8 Set bolt	2
37		Axle-scissor main axle φ20-253-245	1
	19	φ20 Flat gasket	2
	20	φ20 Shaft circlip	2
38		Axle- top plate-1-φ20-51-47	2
	11	M6×8 Set bolt	2
39		Wheel-1-Top palte-φ44xφ20.5-15	2
	19	φ20 Flat gasket	2
	20	φ20 Shaft circlip	2
40		Wheel-2- top plate-φ32xφ20.5-15	2
	6	Top plate assembly	1
41		Axle-top plate -1-φ20-42-26	1
	11	M6×8 Set bolt	4
	7	Arm assembly	2
	15	M8×15 Hex head bolt	2
	8	Tray pad assembly	2
42		Rubber mat of tray pad	2
	13	M6×15 Round head bolt	2
43		Short adapterφ50-33-59	2
44		Long adapterφ50-127-153	2
	9	Expansion foot-1	2
45		Slider -55x55-5	4
	14	M6×12 Flat head bolt	16
	16	M8×20 Hex head bolt	4
	18	φ8 Flat gasket	4
	21	M8 Nut	4
	10	Air pump bracket	1
46		Rubber pad for air pump	1
	16	M8×20 Hex head bolt	2
	18	φ8 Flat gasket	2
	17	φ8 Spring washer	2
47		Air pump	1
48		Connector ZG3/8-9/16	1
49		Quick air connection 1/4	1

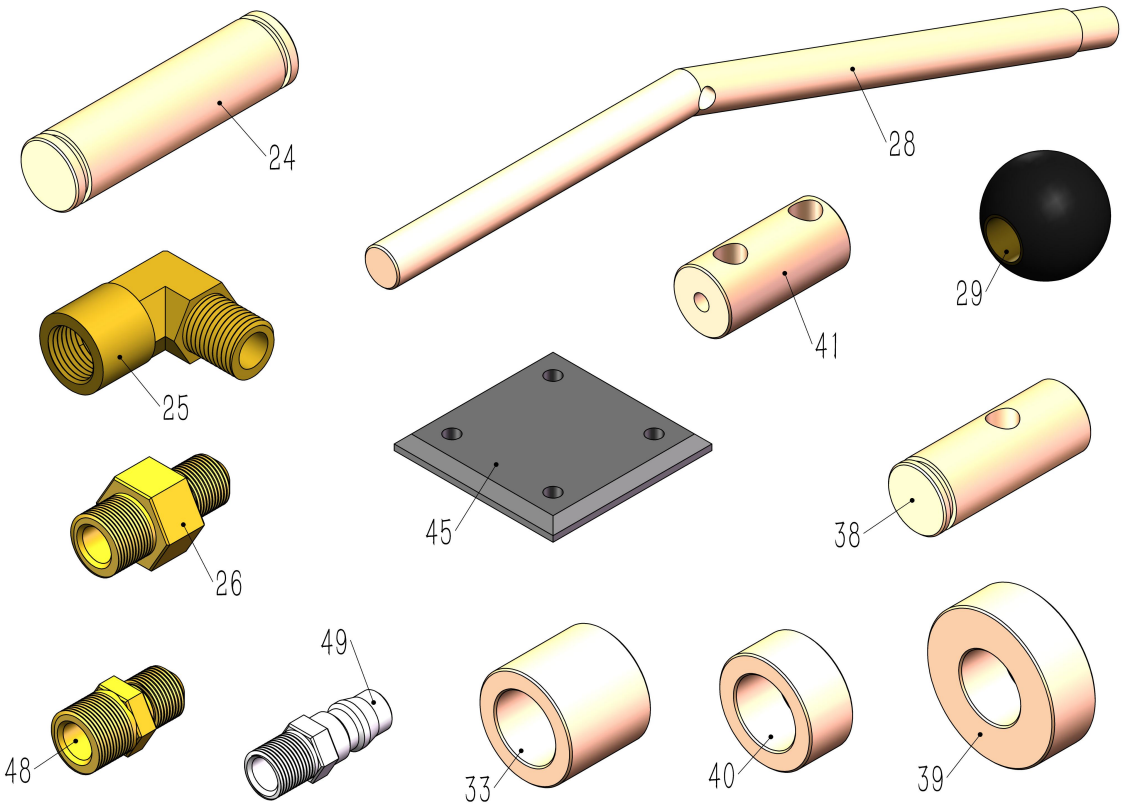
Welded Components



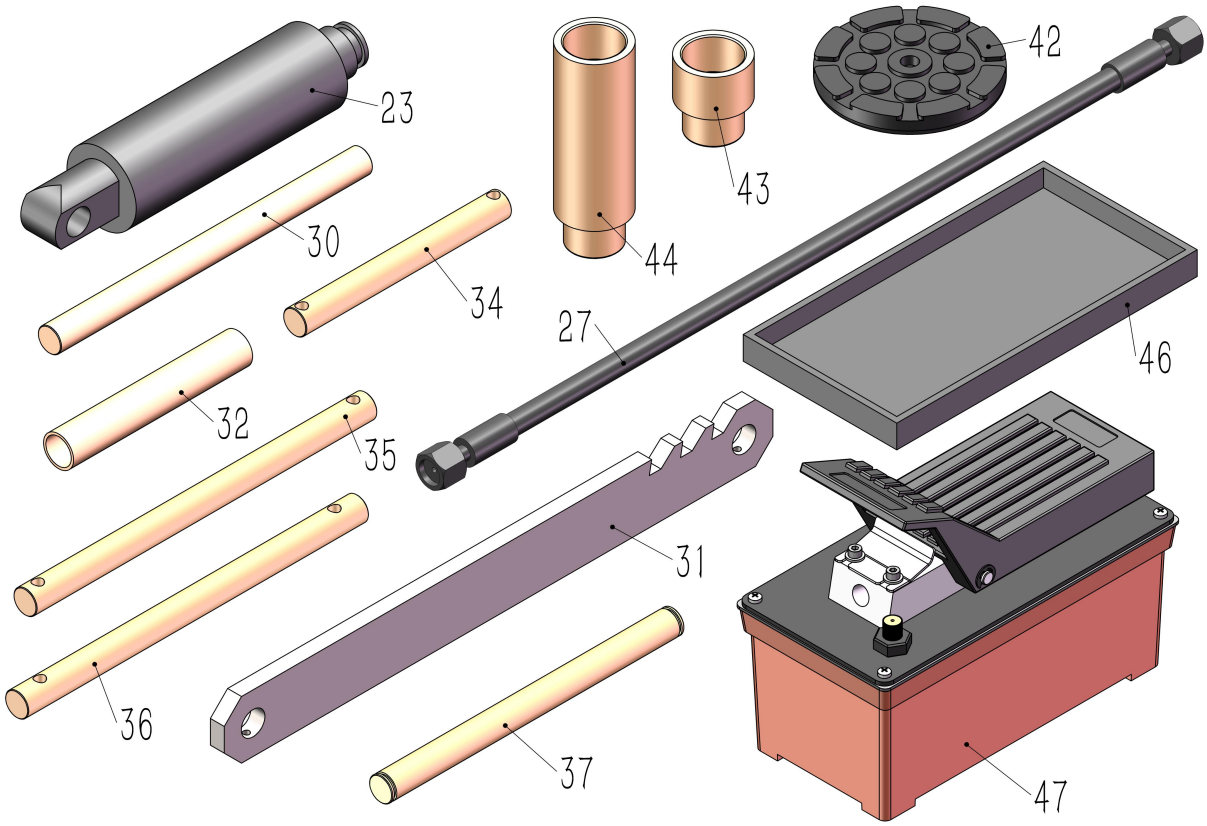
Standard Hardware



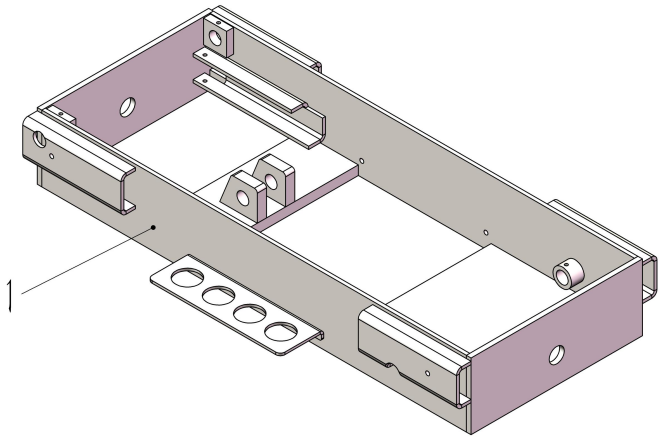
Small Components



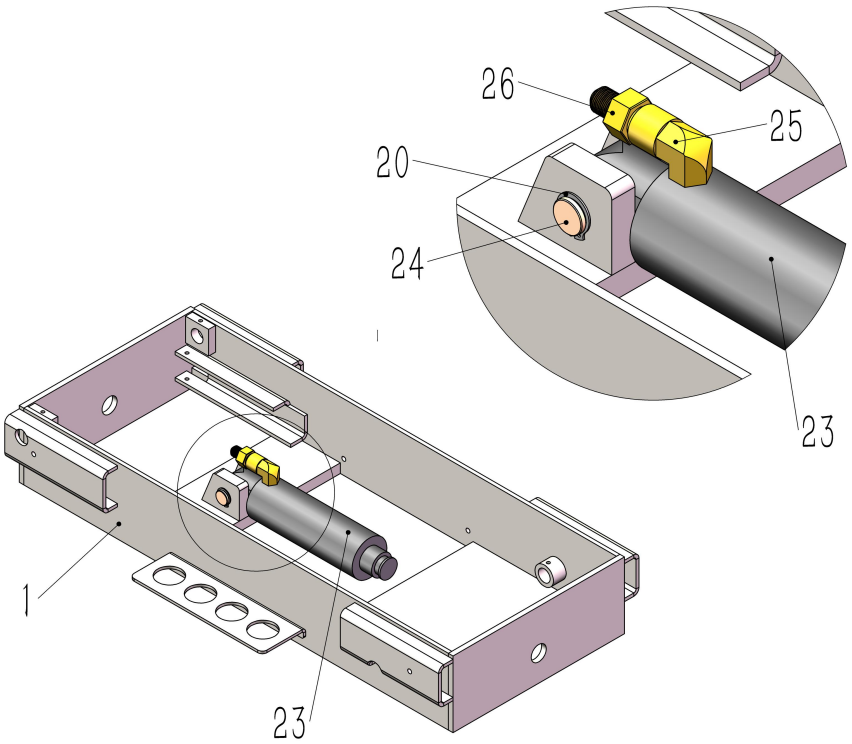
Major Components



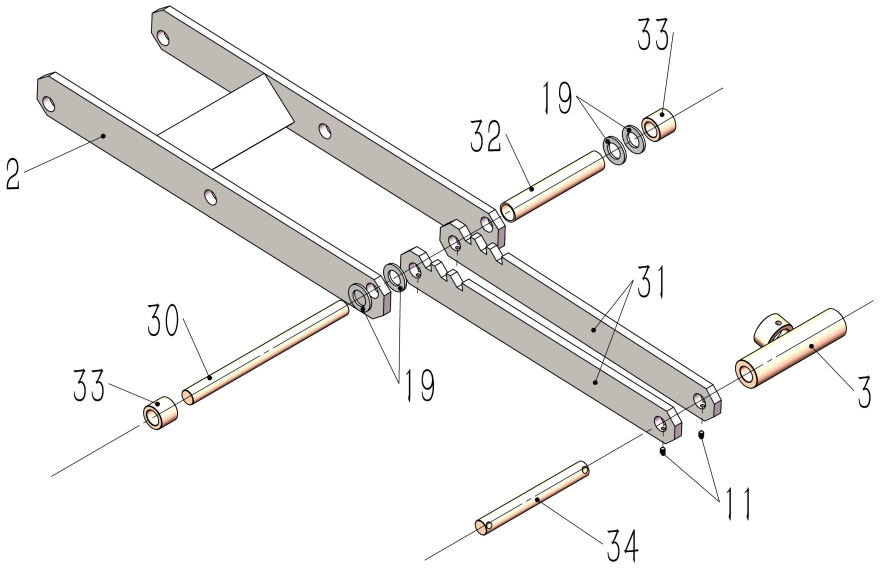
Position the Base Assembly



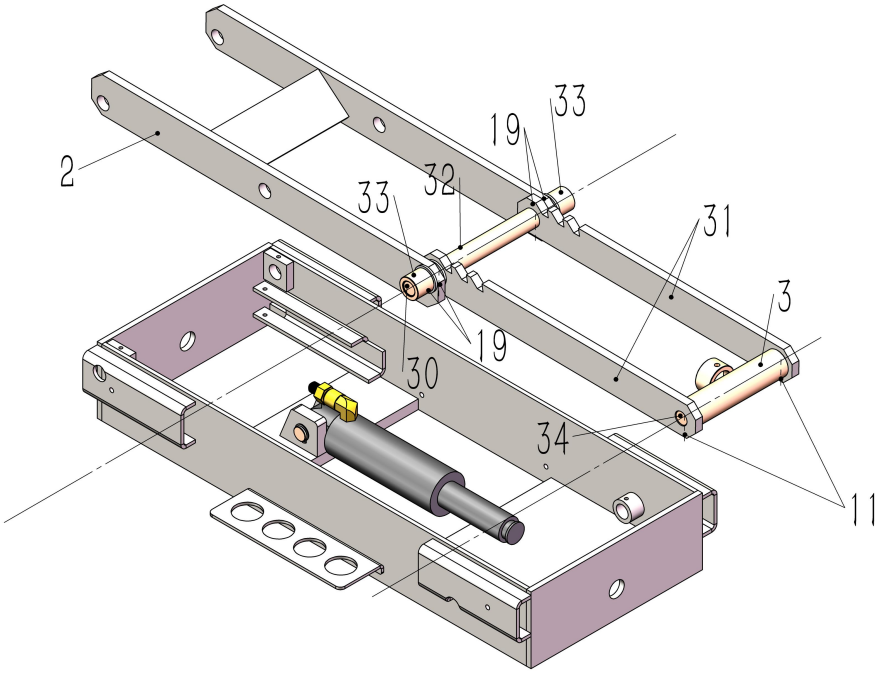
Install Cylinder & Hose Connector



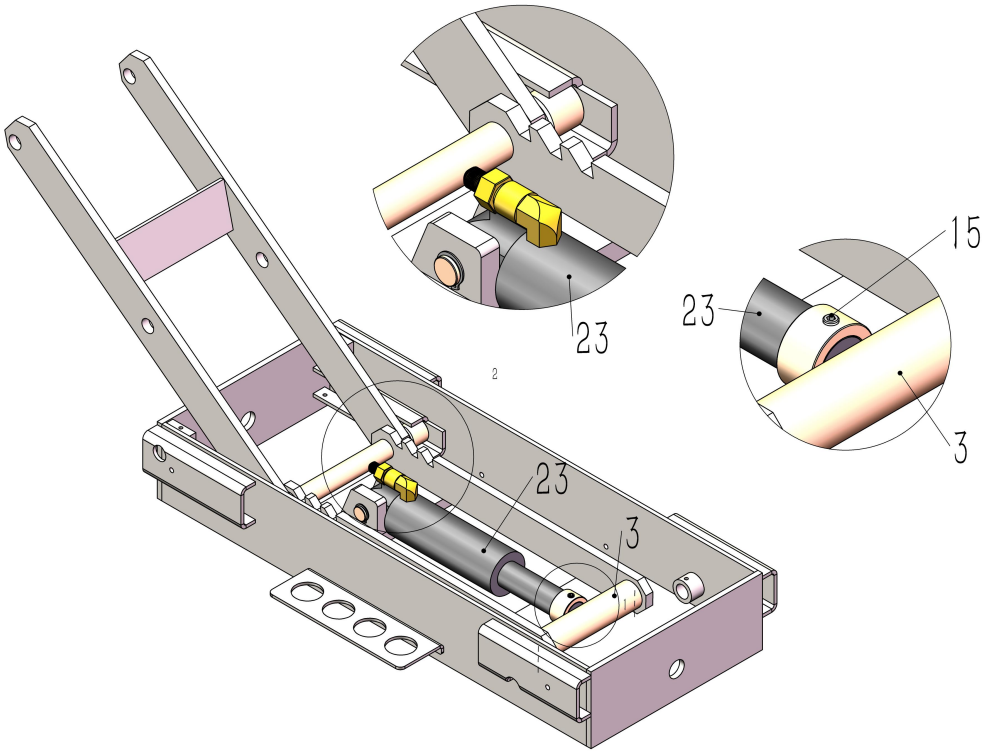
Install Inner Scissor Assembly



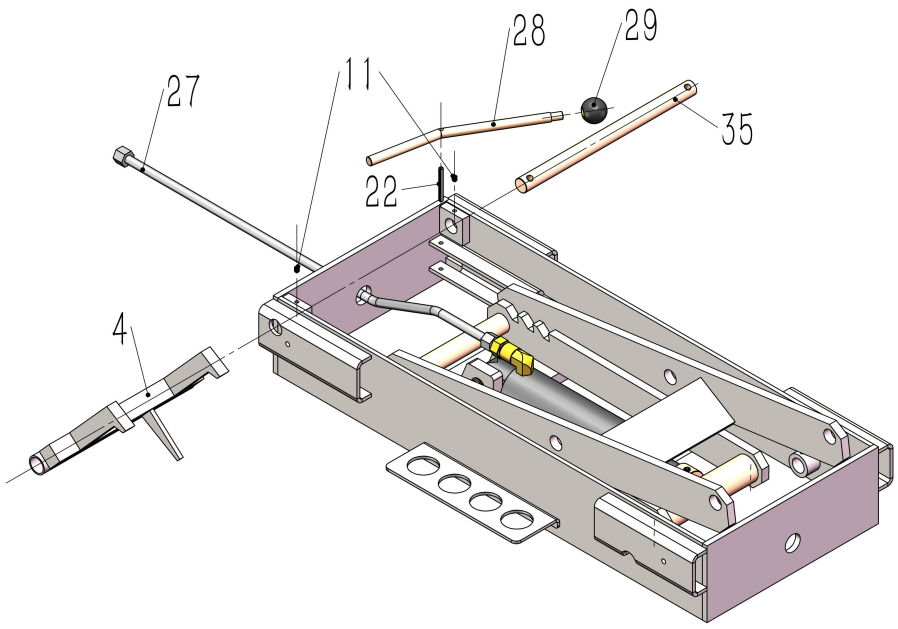
Position Scissor & Extend Cylinder



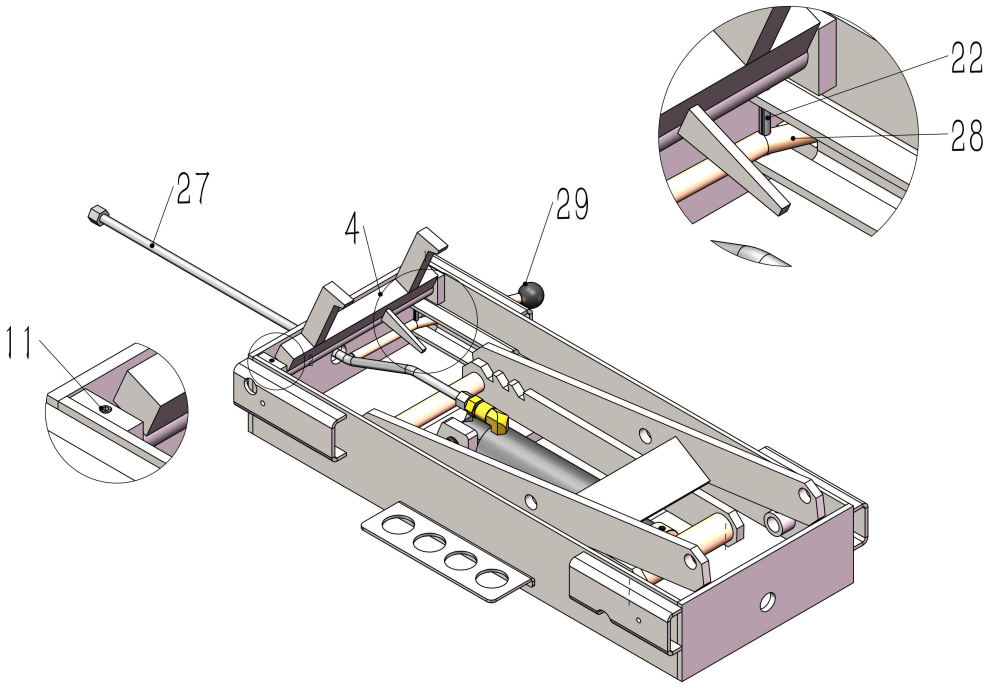
Connect Cylinder & Bushing



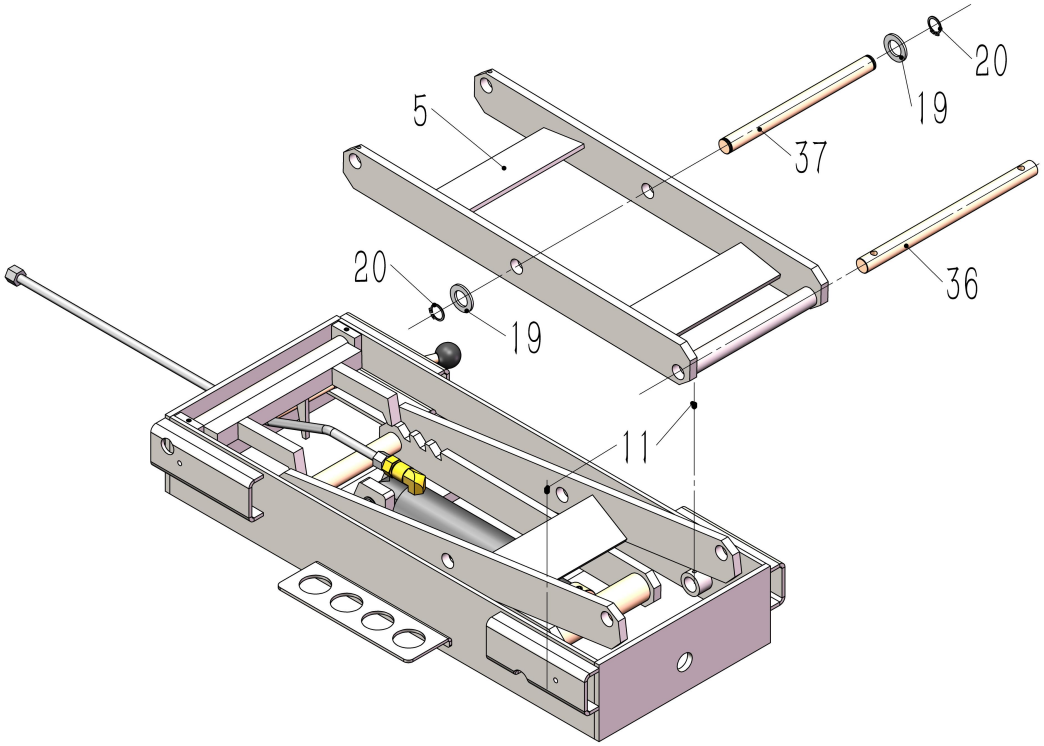
Position Hose & Release Components



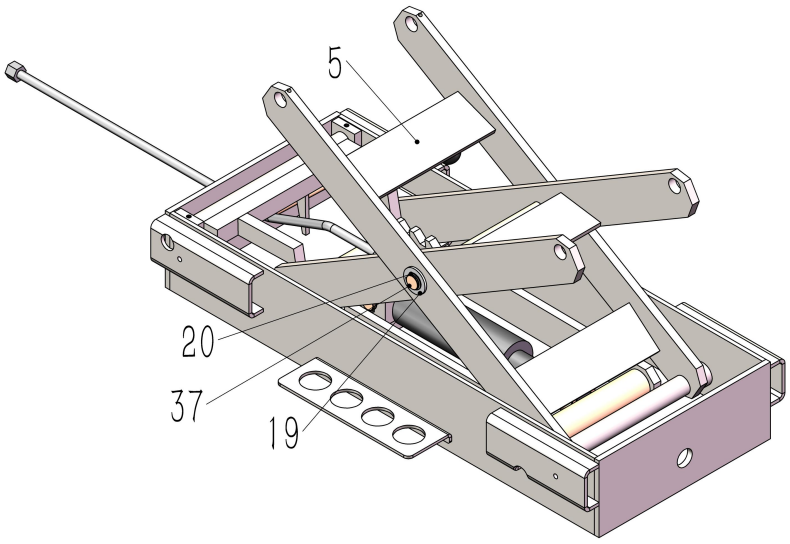
Install Safety Release Components



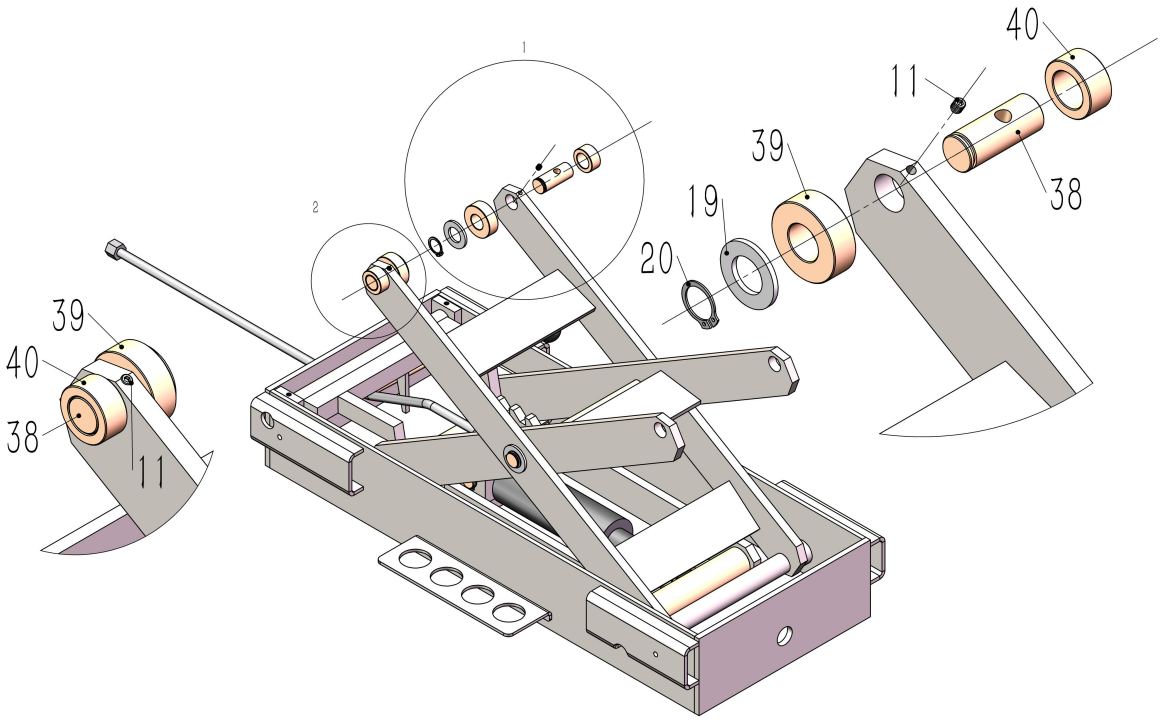
Position Outer Scissor Assembly



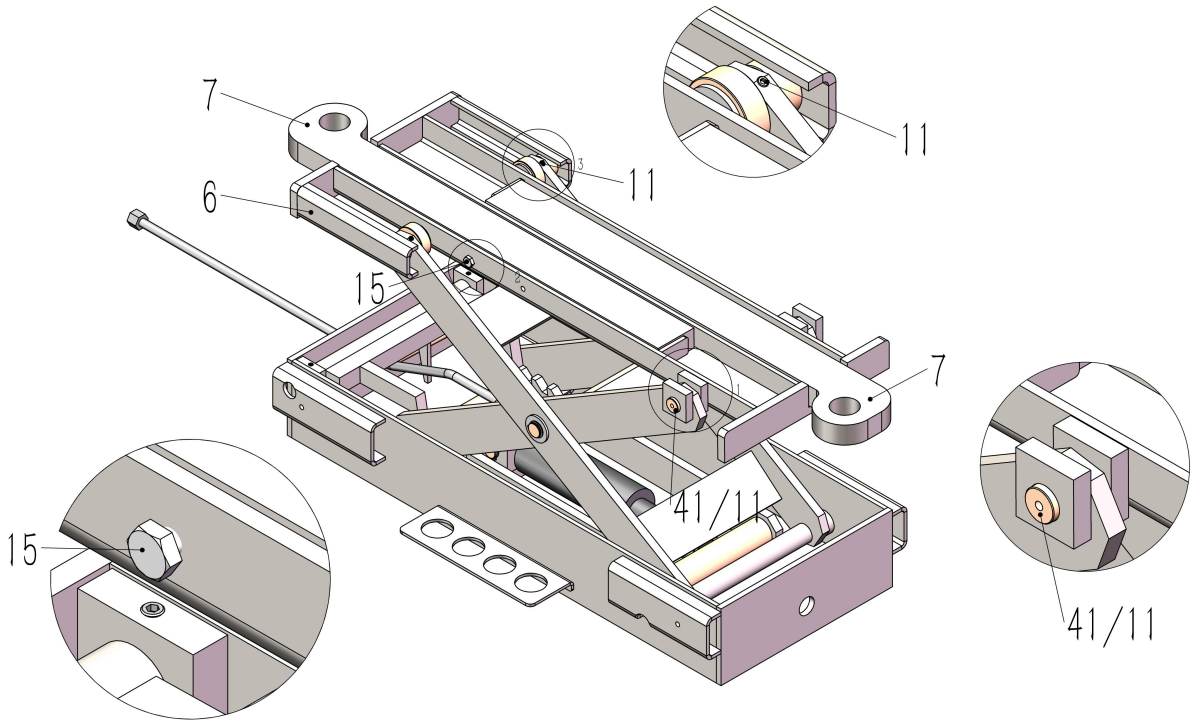
Install Outer Scissor Assembly



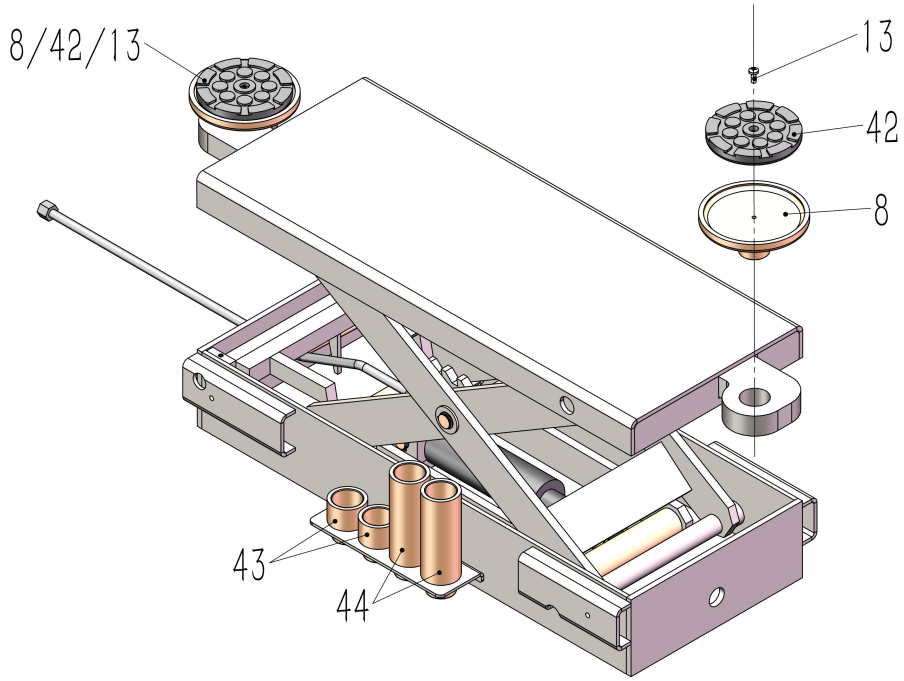
Install Top-Plate Rollers



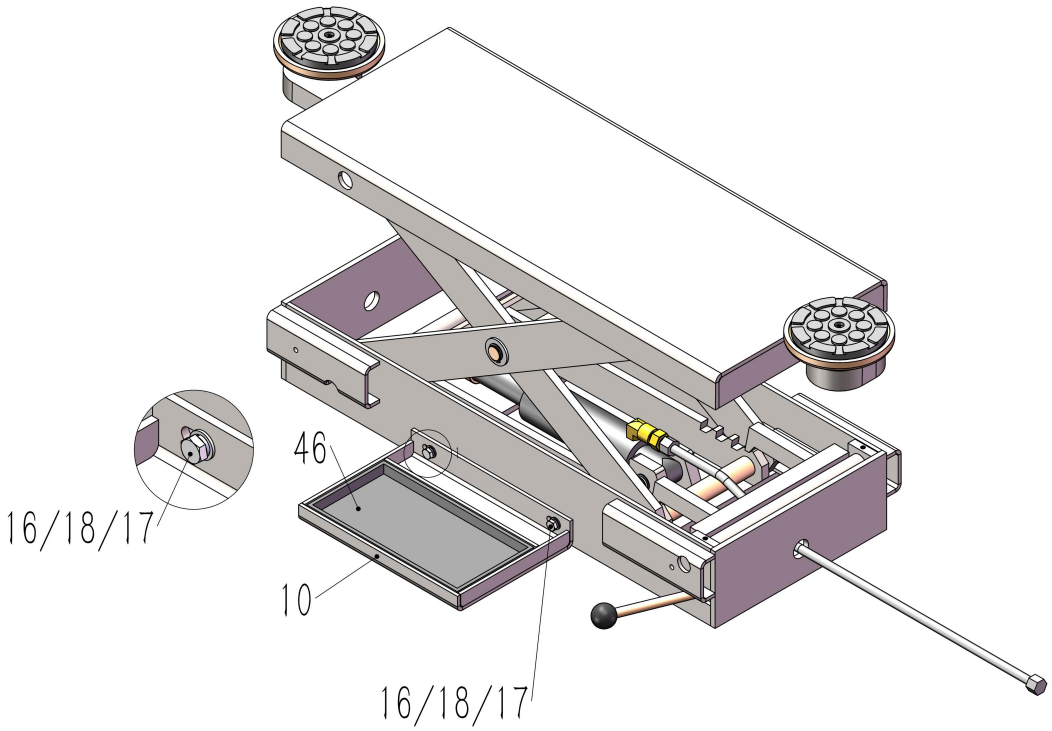
Install Top Plate & Arms



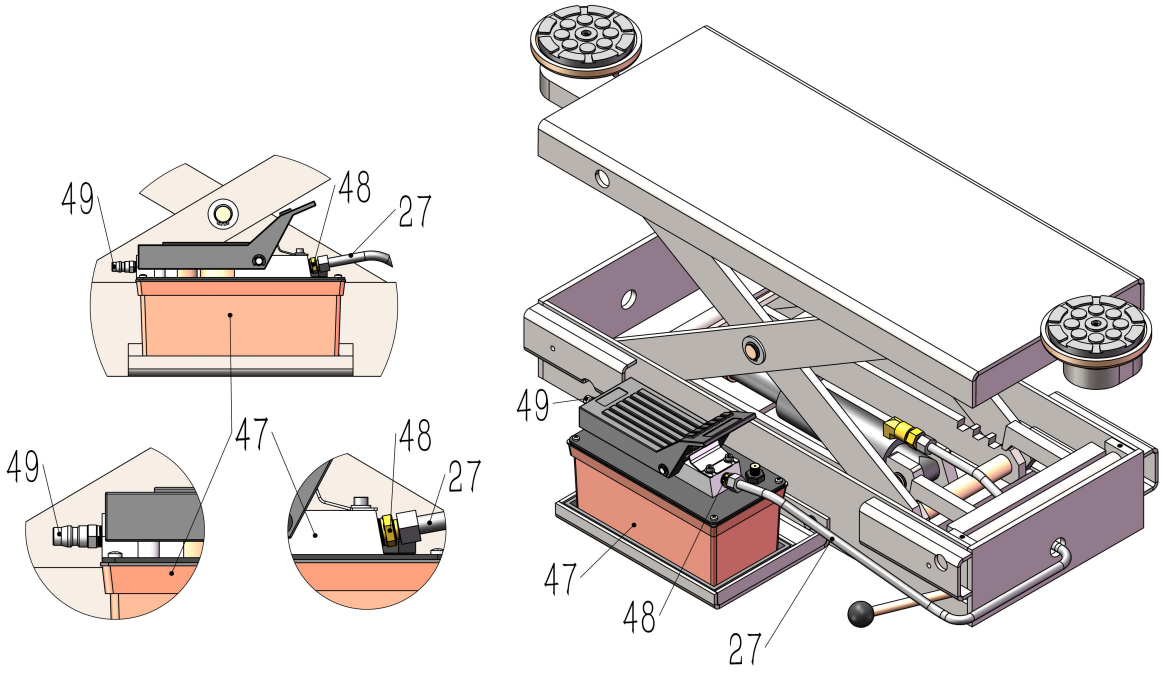
Install Pads & Adapters



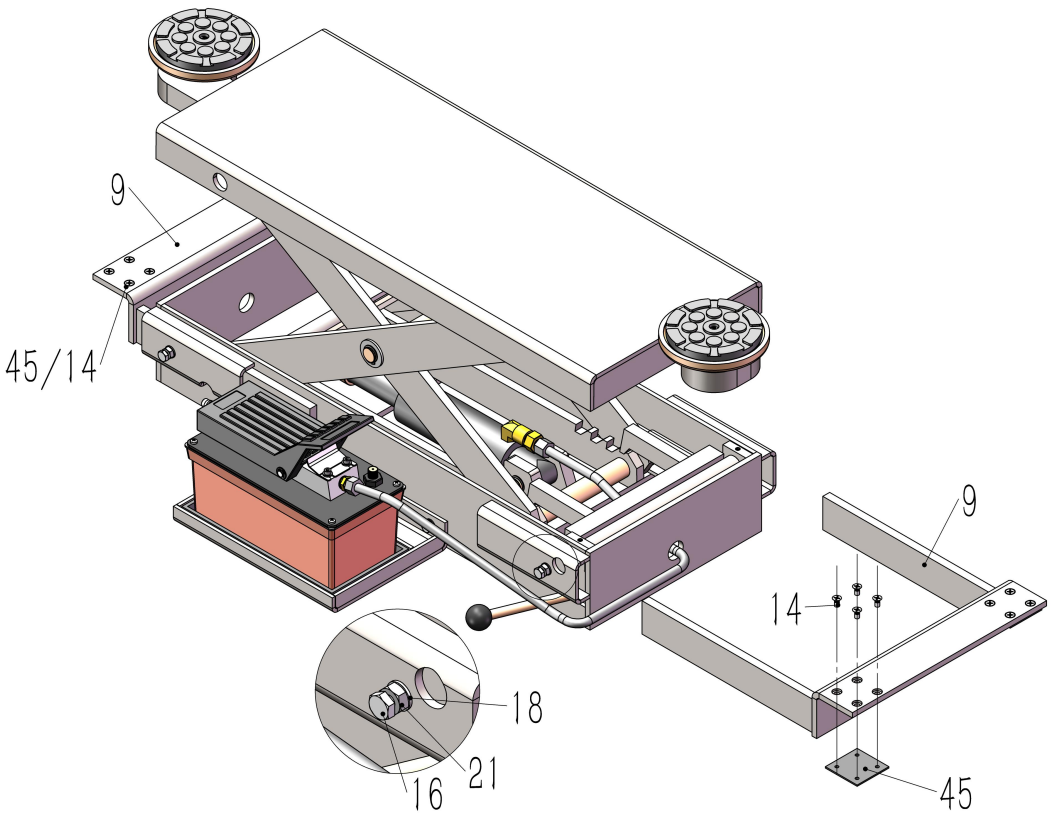
Install Air-Pump Bracket



Install Pump & Connect Hose



Install Mounting Extensions



Completed Assembly

