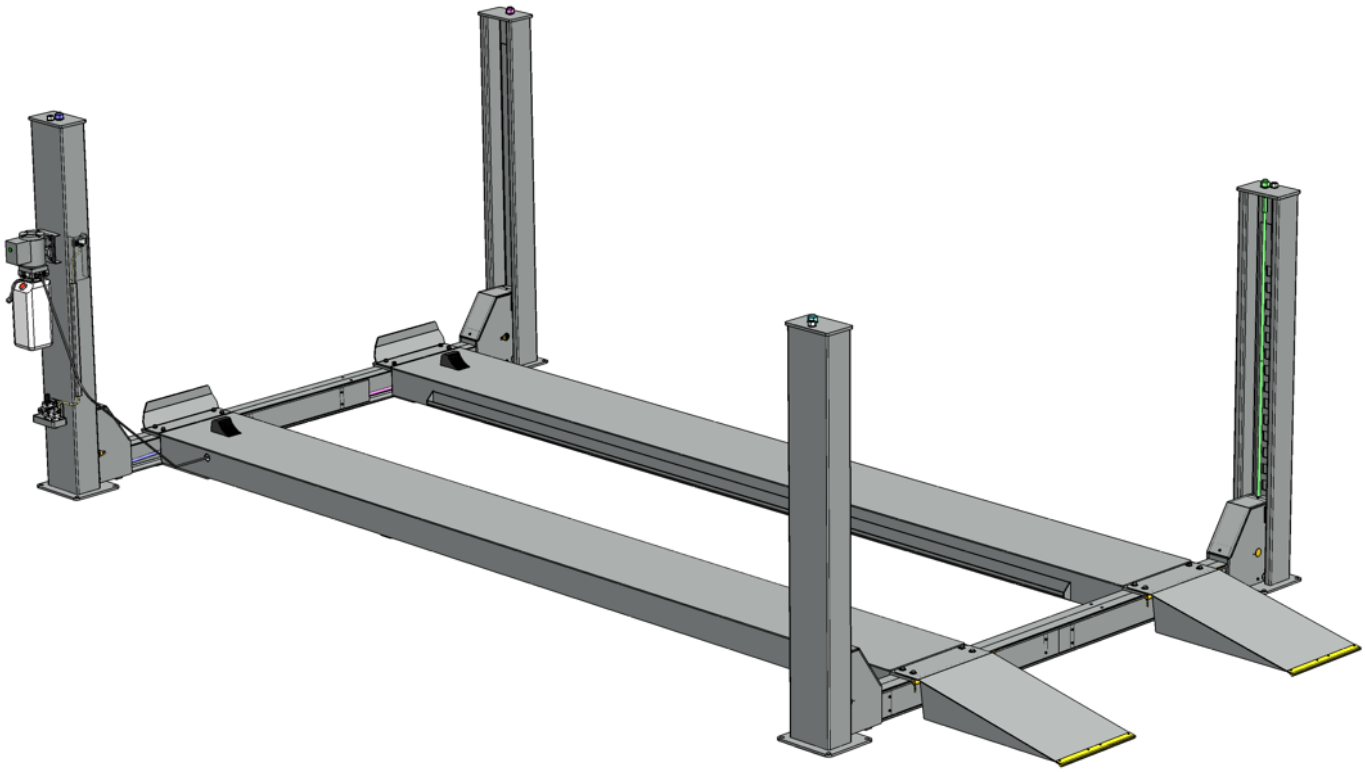
NTR-24 NTR-32

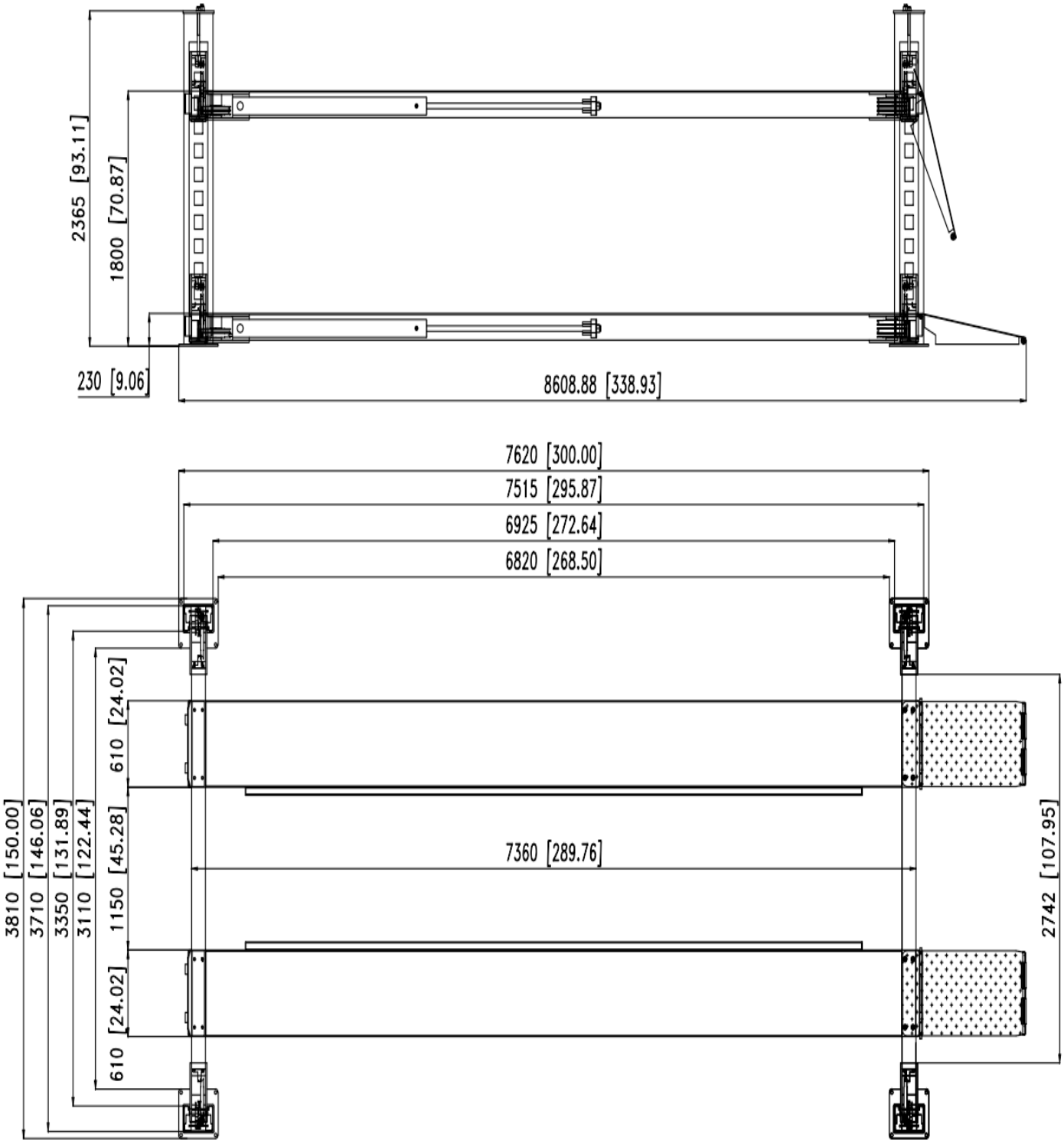


DO NOT DRILL HOLES IN THE FLOOR UNTIL YOU HAVE FULLY ASSEMBLED THE LIFT AND IT IS IN WORKING CONDITION. THE HOLES IN THE FLOOR ARE THE LAST STEP IN INSTALLATION.

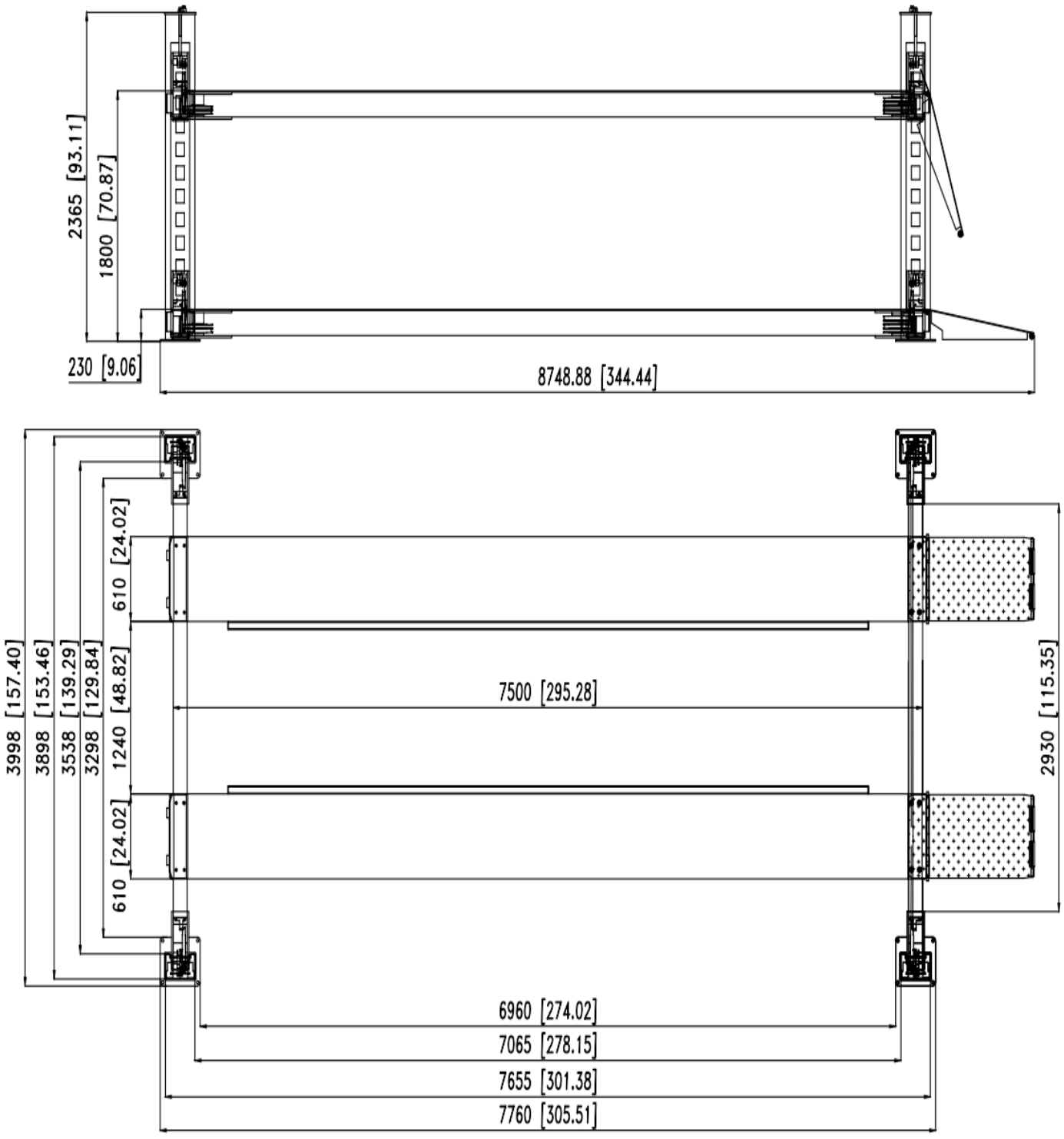
THE MOTOR REQUIRES 220 VOLT, 1 PH SINGLE PHASE, 60 HZ POWER. THE LOCKS REQUIRE COMPRESSED AIR.

Model	NTR-24C	NTR-32C
Capacity	24,000 lbs	32,000 lbs
Lifting Height	70.8“	70.8”
Min Height	9”	9”
Runway length	289.9”	295.2”
Runway width	24”	24”
Width between Runway	45.2”~49.2”	48.8”~52.7"
Power Supply	220V 60Hz 1Ph 4.0KW	220V 60Hz 1Ph 4.0KW

Model: NTR-24C



Model: NTR-32C



DO NOT PUT A VEHICLE ON THE LIFT UNTIL IT IS FULLY ASSEMBLED, WORKING PROPERLY, AND IT IS BOLTED TO THE FLOOR.

DO NOT ALLOW ANYONE TO STAND ON THE LIFT WHILE IT IS GOING UP AND DOWN AT ANY TIME DURING OR AFTER ASSEMBLY.

DO NOT DRILL HOLES IN THE FLOOR UNTIL YOU HAVE:

- FULLY ASSEMBLED THE LIFT
- ADDED OIL AND RAN THE LIFT UP AND DOWN 3-5 TIMES ALLOWING THE LIFT COLUMNS TO SETTLE INTO PLACE
- MADE SURE ALL FOUR CORNERS ARE LIFTING EQUALLY ADJUSTING THE LOCK LADDERS AND CABLES
- SQUARED UP ALL 4 COLUMNS ON ALL SIDES, FRONT TO BACK, SIDE TO SIDE
- SHIMMED ANY COLUMNS WHERE NEEDED USING A LEVEL ON BOTH SIDES OF THE COLUMN TO ENSURE THEY ARE STRAIGHT UP AND DOWN

DO NOT ADD HYDRAULIC OIL TO THE LIFT UNTIL YOU HAVE ASSEMBLED AND CONNECTED THE CABLES TO THE TOP OF ALL 4 COLUMNS. ONLY USE AW-32 HYDRAULIC OIL.

THE MOTOR REQUIRES 220 VOLT, 1 PH SINGLE PHASE, 60HZ POWER ON ITS OWN DEDICATED 30 AMP BREAKER. DO NOT CONNECT TO ANY POWER SOURCE THAT DOES NOT MEET THESE SPECIFIC REQUIREMENTS. WE RECOMMEND YOU USE A PLUG AT THE POWER UNIT SO ELECTRICITY CAN QUICKLY BE CUT OFF INCASE OF EMERGENCY.

A FORKLIFT AND 2 PEOPLE IS REQUIRED TO INSTALL LIFT.

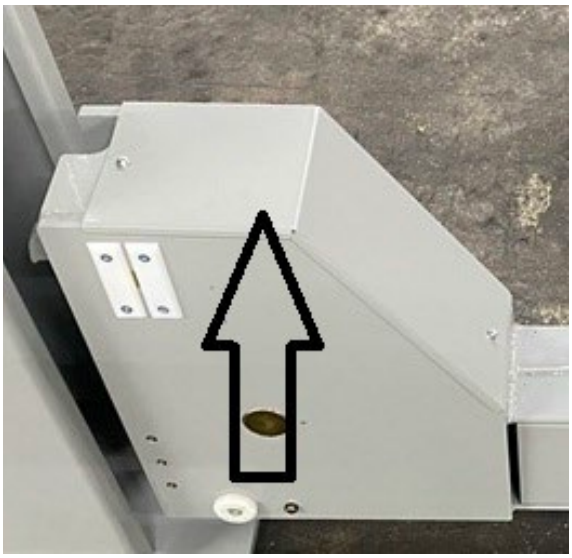
1. Fully unpackage lift. Lay all loose parts in an area away from where lift will be installed. The floor area where the lift will be installed should be clear so that a forklift can drive on all sides of the lift.
2. Choose the location where the column with power unit will be placed. When a vehicle is on the lift, the column with power unit can be in the position of front drivers' corner or back passenger corner. Here you can see the column with power unit in the location of back passenger corner:

3. Using the provided diagram arrange the other 3 columns in the other 4 corner positions. The 3 non-power unit columns are identical. The open side of the columns should face the inside of the lift.
4. Put one nut and 1 washer on each lock ladder about half way down the threads.

5. Put all 4 lock ladders inside the column with threaded part through the middle hole at top of column. The bottom of the lock ladder should be resting on the base of the column at this time.

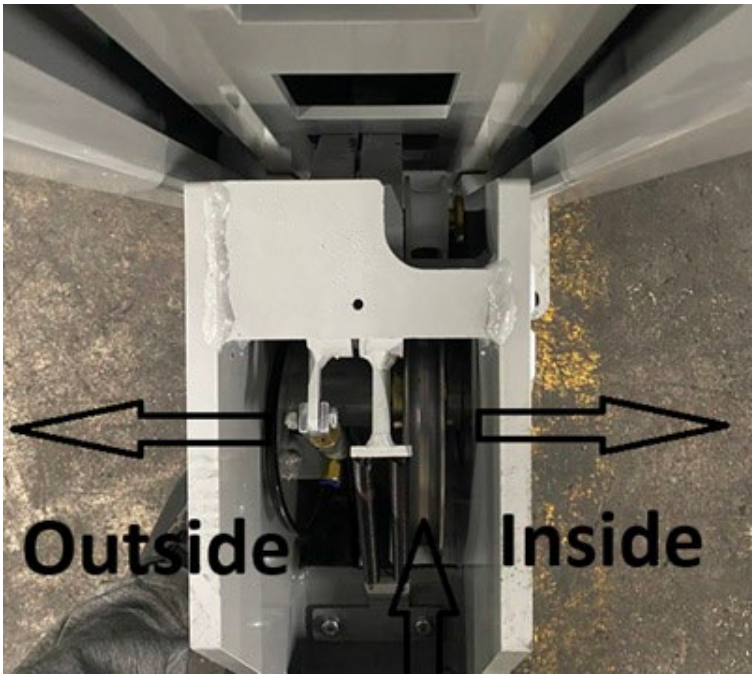
6. Slide the 8 rub blocks over the top of each side of the lock ladder and allow to drop or push down to the bottom of the column. 2 rub blocks per column, 1 on each side.

7. Remove the lock/pulley cover from each end of the 2 cross rails.



8. Using a forklift move cross rails into place at bottom of the columns placing a board under the middle of the cross rail so it is not resting on the ground. The cable pulleys should be on the side facing the inside of the lift. The air lock release

cylinder should be on the side facing the outside of the lift.



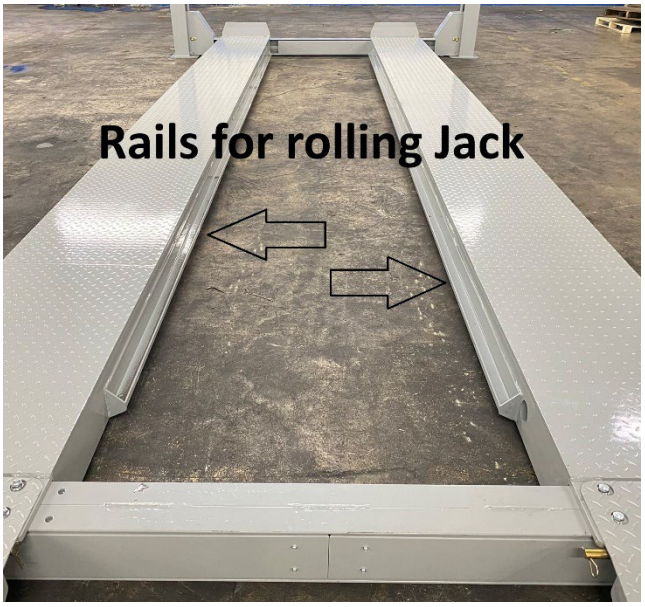
9. Shift column by hand so that cross rail is slightly inside the column. Use the 3 x Phillips flat-head machine screws to attach rub blocks to each side of the cross rail. Complete this step on both sides of the cross rail on all 4 columns.

10. Using a forklift, raise the cross rail to about 4 feet. The locks should be engaging the lock ladder as you raise the cross rail. Raise it to a point where it is resting on the forks of the forklift and is not resting on the lock ladder. The lock ladder should be freely moving at the bottom and top. Raise the lock ladder by hand or use a lever at bottom and install washer, lock washer and bolt connecting the lock ladder to tab at bottom of column. You can also install the washer and nut on the top threads at top of

column and use wrench to tighten nut raising lock ladder into place to install bolt at bottom. When this is complete you can tighten the nuts at the top of the lock ladder to secure it to the top of the column.

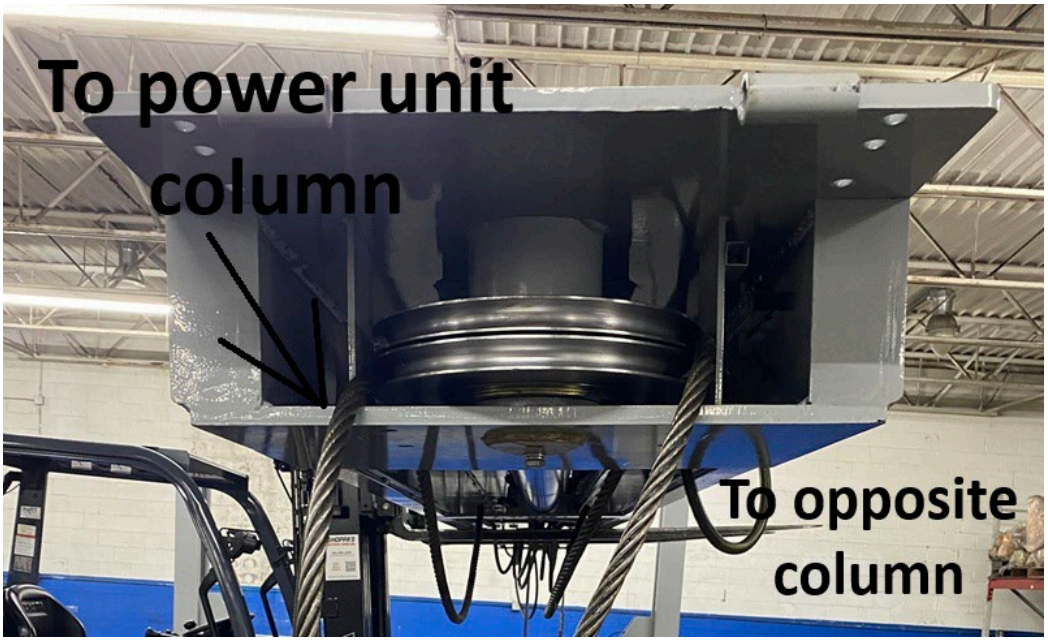
11. Using a forklift move only the runway with the cylinder underneath into place above the cross rail. Do not set runway on cross rail at this time. Keep the runway raised and on the forklift. This runway should go on the side with the power unit column. See picture in Step 2, the cylinder under the runway should be at the corner with the power unit. The rails for the

rolling jacks should face to the inside of the lift. See this picture:



12. With the runway raised in the air use tape or other method to secure hydraulic hose out of the way so it is not damaged during the next steps.
13. Under runway at the end with the cylinder you will see 2 cables that go to the top of the columns at that end of the lift and 2 pulleys. The cable on the bottom pulley should route to the column with power unit. The cable on the top pulley should route to the opposite column. Route each cable inside the cross rail in the correct direction towards the columns. See pictures:

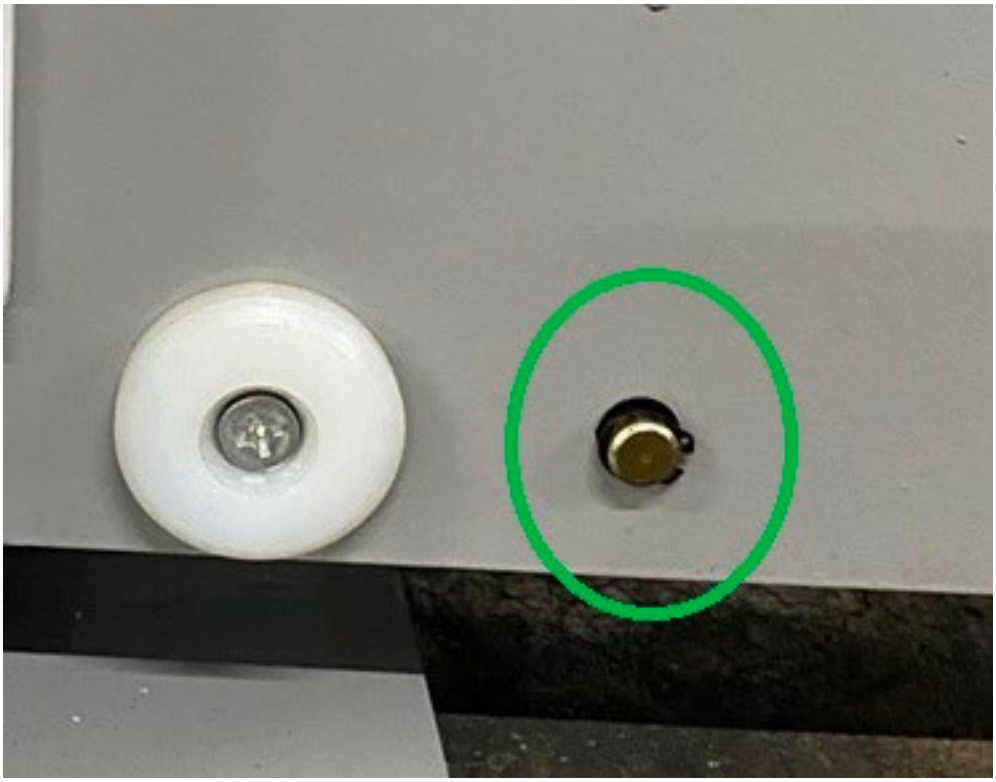

Need Parts?
Call
1-866-563-5438
unlocking rest


To power unit column
To opposite column

14. Go to the other end of the runway and complete the process of routing the cables. The cable on the bottom routes to the nearest column. The cable on the pulley above that routes to the opposite column.
15. Now you may lower the runway on to the cross rails at both ends. At this time the runway should sit flush against the cross and mounting holes on ends of runway should line up. There should be little need to move the runway after this step.
16. This step will require a tow strap with rachet. In most cases the cylinder rod must be extended to gain enough cable slack so that cables can reach the top of the columns. First check if one of the cables can reach through the hole at the top of the column and has at least 18 inches of slack through the top hole to allow for installation over the pulleys on the cross rail. If one cable does not reach and has enough slack, then no cables will reach.

17. Attach one end of the tow strap to the end of the cylinder rod. Attach other end of tow strap to brace plate under runway. Use ratchet to extend out the rod as far as necessary.

18. Remove pin at both ends of the cross rail.

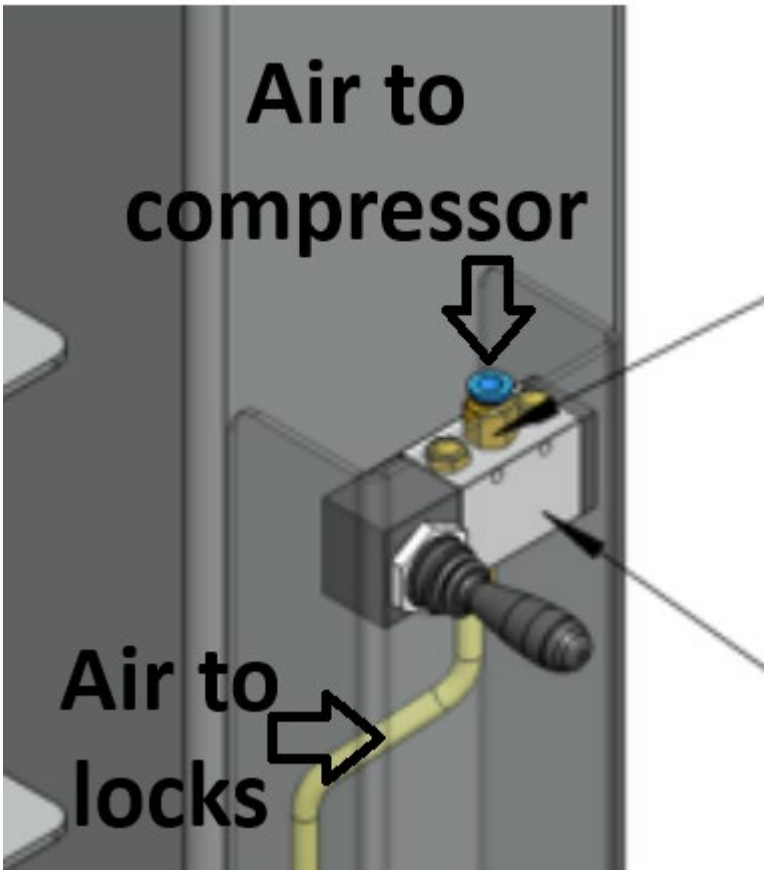


19. Route cables through hole at top of column and put nuts and washer on end of cable. Do not tighten the nuts on cable at this time. After routing the cables replace the pin and snap rings.

20. Now put the 2nd runway on to the cross rails and use the provided bolts and washers to secure all 4 ends of the runways to the cross rails.

21. Route the hydraulic hose through the hole in the runway.

22. Mount the power unit to the column as shown above. Use the supplied rubber pads behind the mount to decrease vibration noise.
23. Connect the airlines under the runway and in the cross rails. Mount air unlock switch to power unit column and connect air line from locks to the bottom and airline out to compressor on the top.


Air to
compressor
Air to
locks

24. Add AW-32 hydraulic oil to the tank up to the fill hole. Only add oil to the fill hole one time. The tank only needs to be filled one time for the lift to operate properly. Do not run the power and later add more oil to the tank or it will overflow when you lower the lift to the ground.
25. Connect the air compressor to the line coming from the air switch.
26. Install a 220-volt single phase plug at the power unit and connect 220 volt, 1 PH single phase, 60 hertz electricity on a 30 amp breaker.
27. Every person, tool and forklift should now be clear from the area of the lift.
28. Push and hold the up button on the power unit. It will take some time to hold the button until the hose and cylinder fill with oil and begin pulling the cables. You will visibly see the cables tighten. When the cables have tightened, and the runways have begun moving upward release the button.
29. Visibly check that the lift is raised off the locks. Use the lock air switch handle to check that all 4 locks are engaging and unlocking correctly.

30. If all 4 locks are working properly, use the air lock switch to disengage the locks so the lift can lower to the ground. Push the down handle on the power unit to lower the lift all the way to the ground. Do not push the power button and down handle at the same time.
31. With the lift fully on the ground tighten the nuts on top of the cables.
32. Push the power button to raise the lift all the way to the top. Disengage the locks and lower the lift all the way to the ground.
33. Now raise the lift and measure the height of the lift at each corner. Lower on to the locks and adjust the cables as needed so all four corners are lifting at the same height.
34. Do the same with the lock ladder adjusting the nuts to ensure all four corners are passing all four locks at the same time.
35. Raise the lift up and down 5 times to ensure everything is working properly and columns are settled on the floor. Use a level and laser line to ensure lift is level at columns and square on both sides.

36. Use ¾ Inch concrete bit to drill holes for floor mounting hardware. Put nuts on end of floor anchors to protect the threads and hammer down into the floor. When all 4 corners of a column have anchor bolts in the floor you can tighten down the nuts to 90 lbs. Do this for all four columns.

No one should be under the lift without the locks on all four corners engaged.

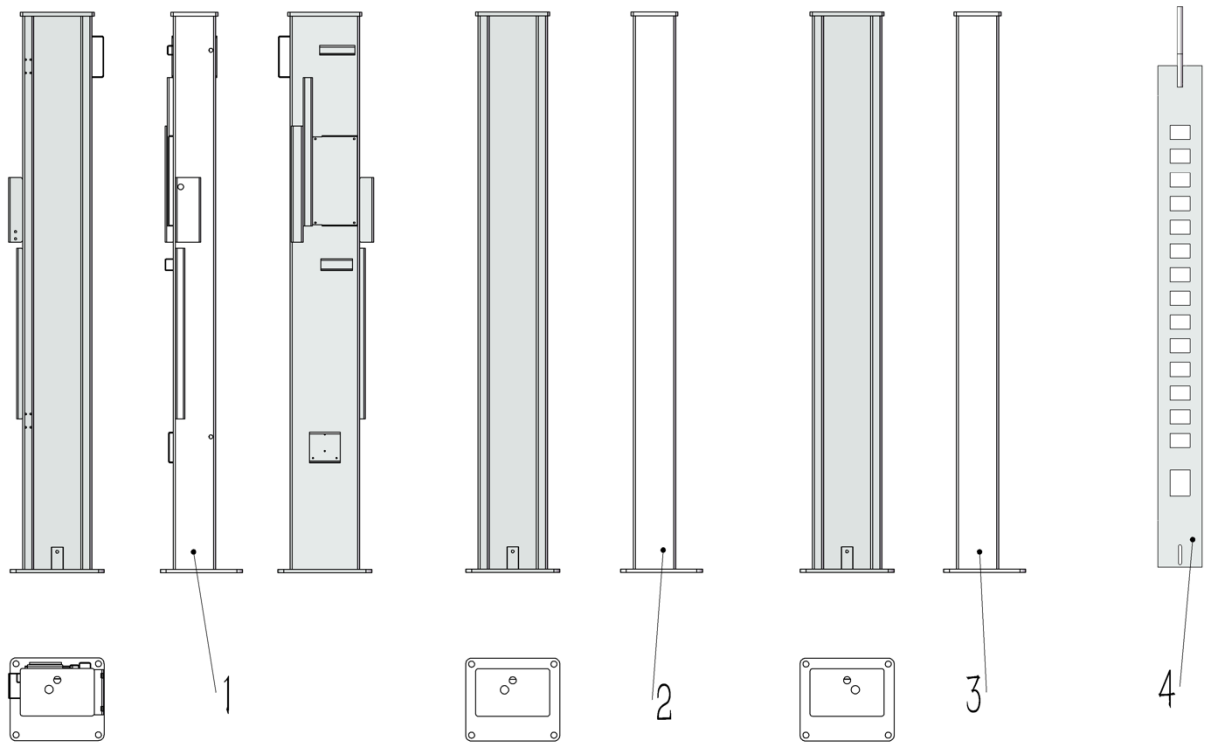
Do not attempt any maintenance to the lift, adjustments to the lift, or repair or replace parts while a vehicle is on the lift.

Do not ride up and down on the lift. Do not raise the lift with anyone inside the vehicle on the lift.

We advise unplugging power to the lift while a vehicle is raised and on the locks.

Parts of the device exploded view

1-2-3-4



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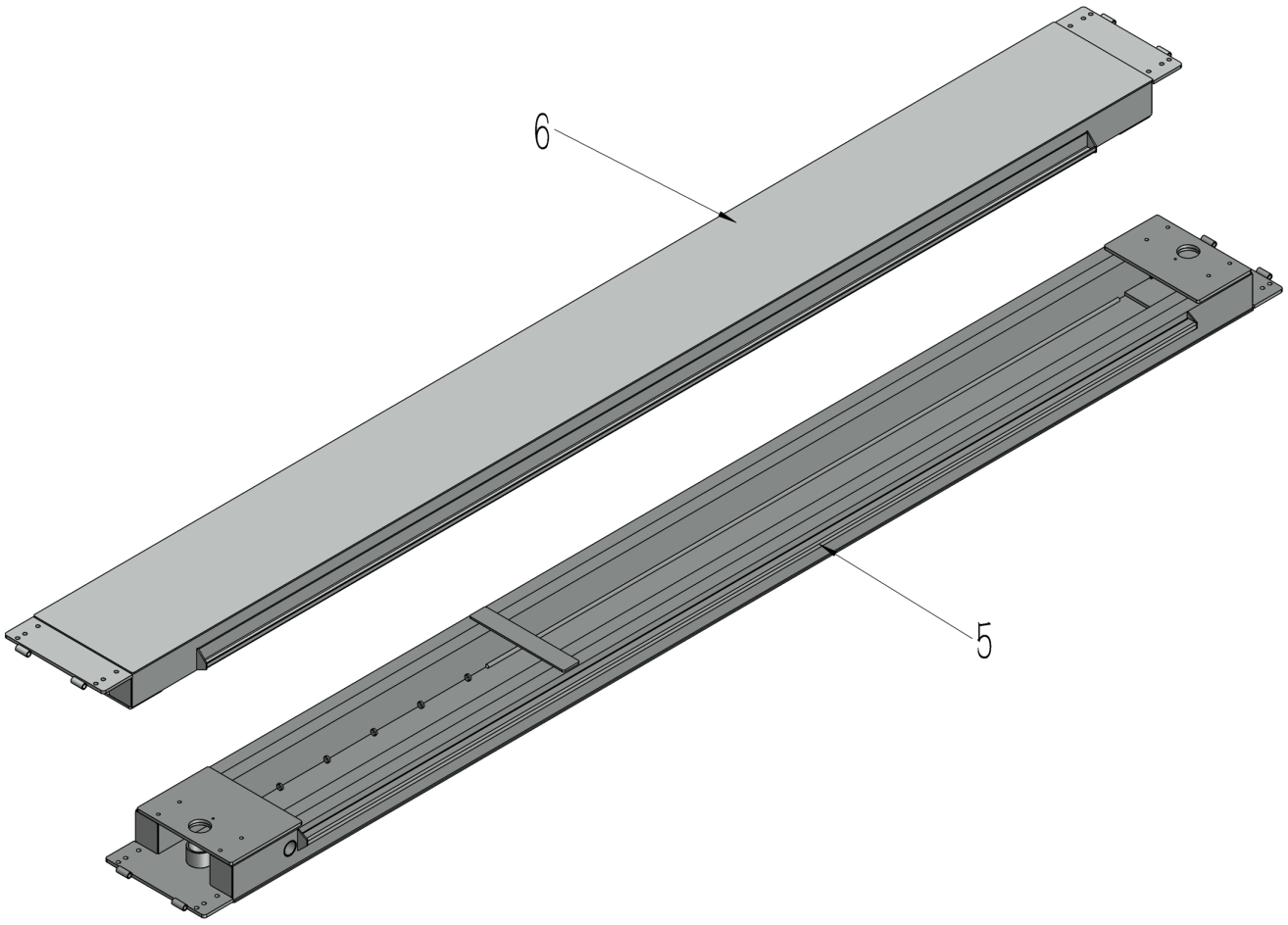

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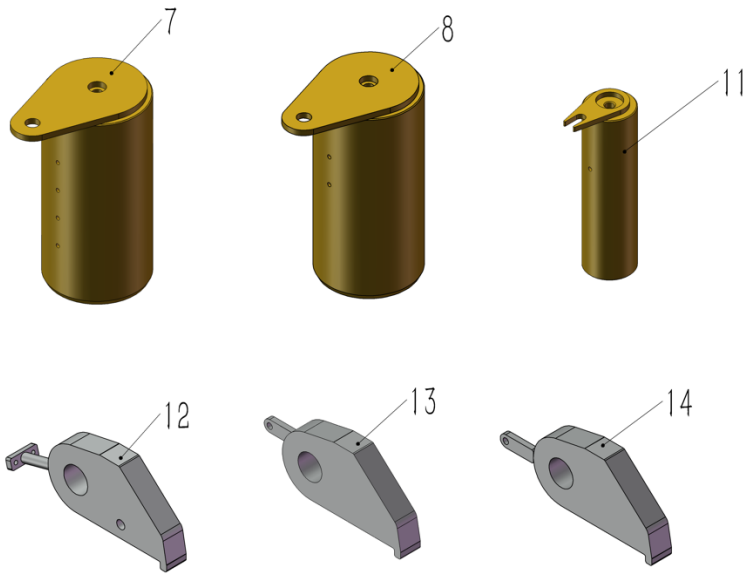

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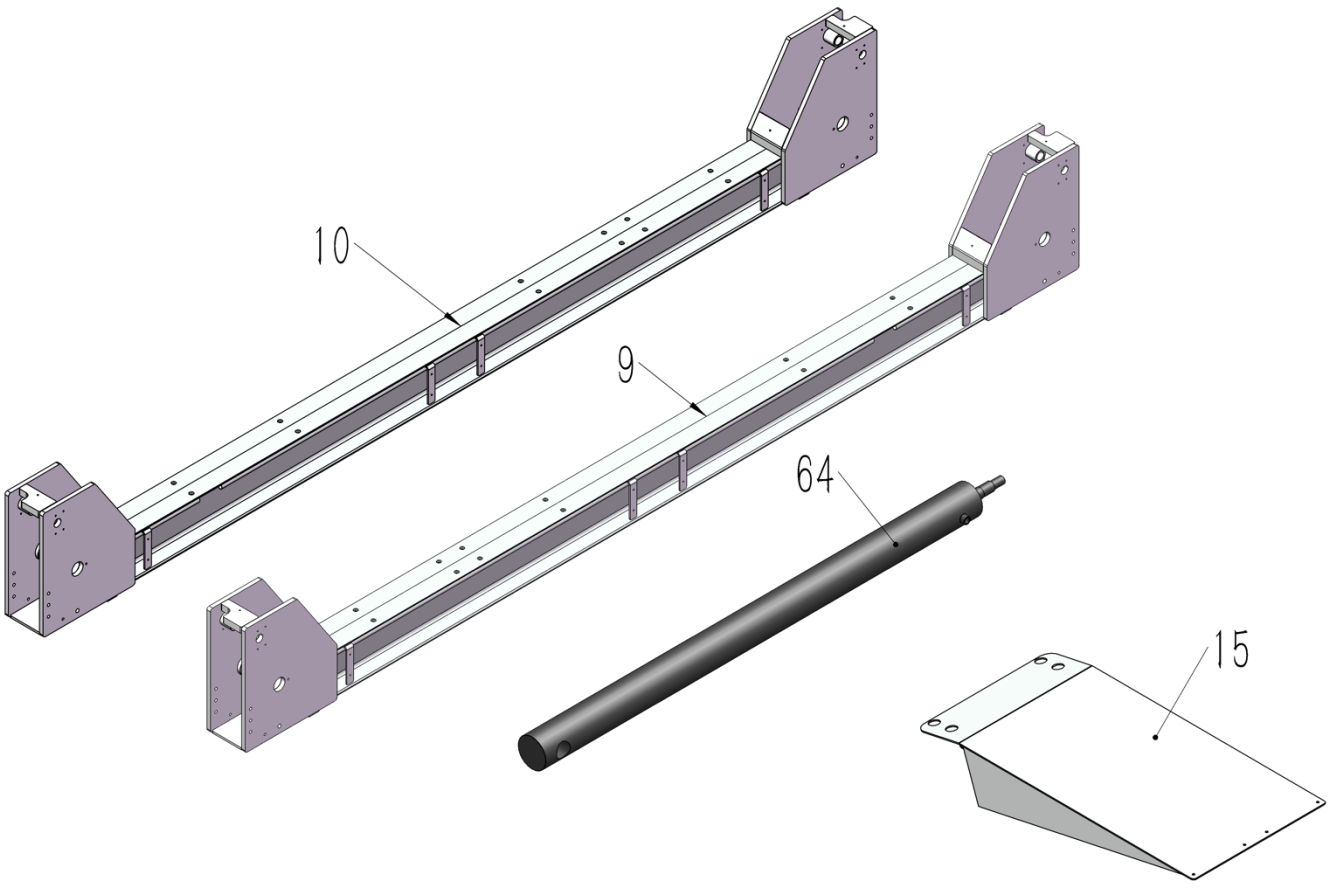

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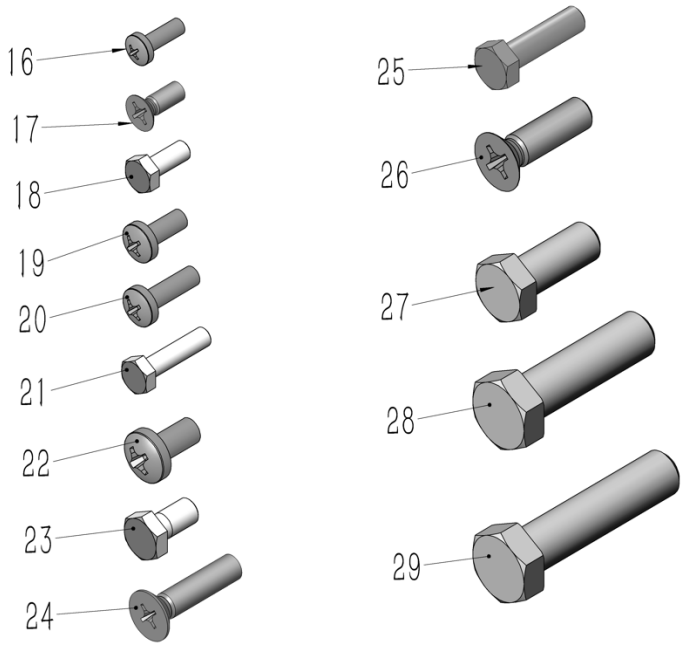

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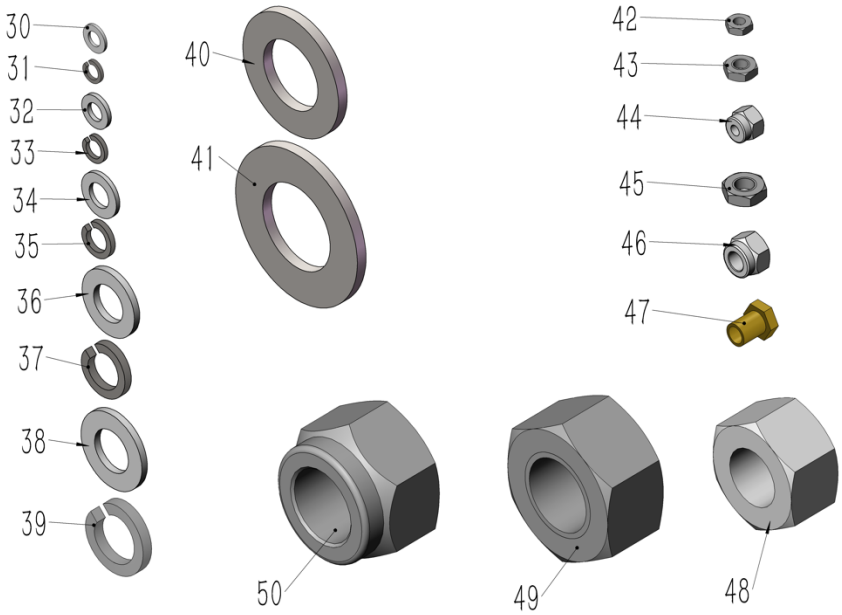

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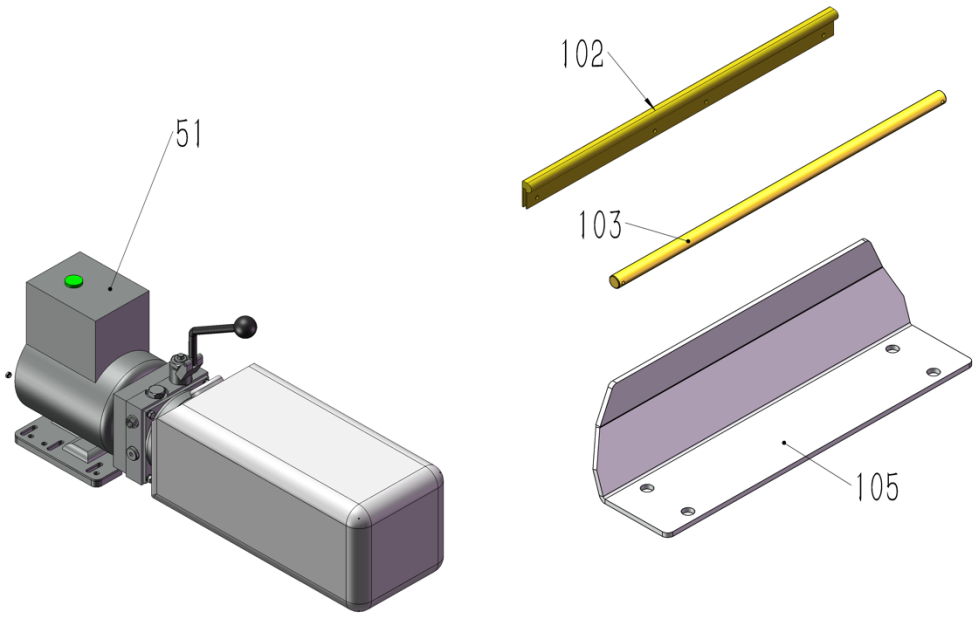

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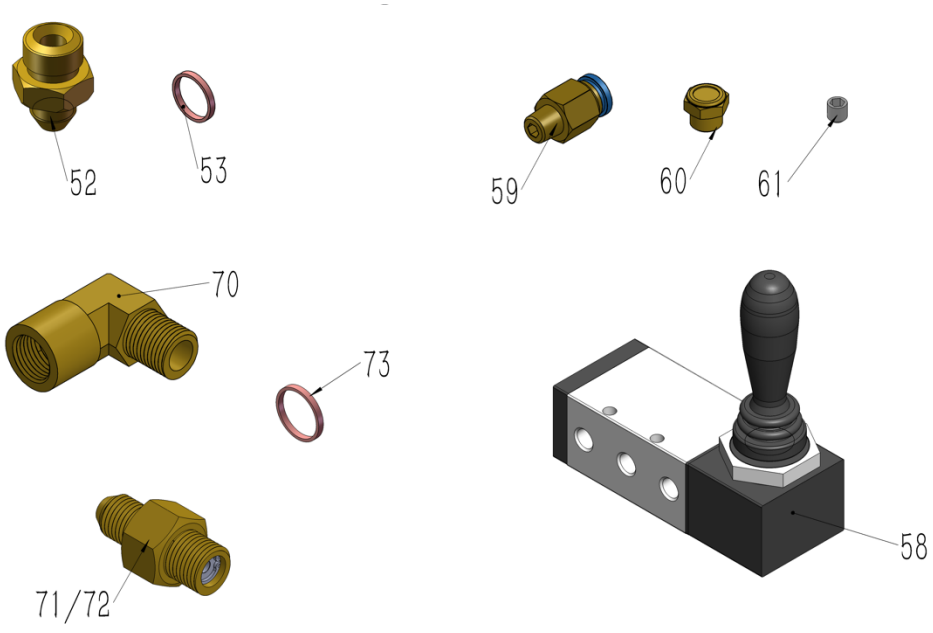

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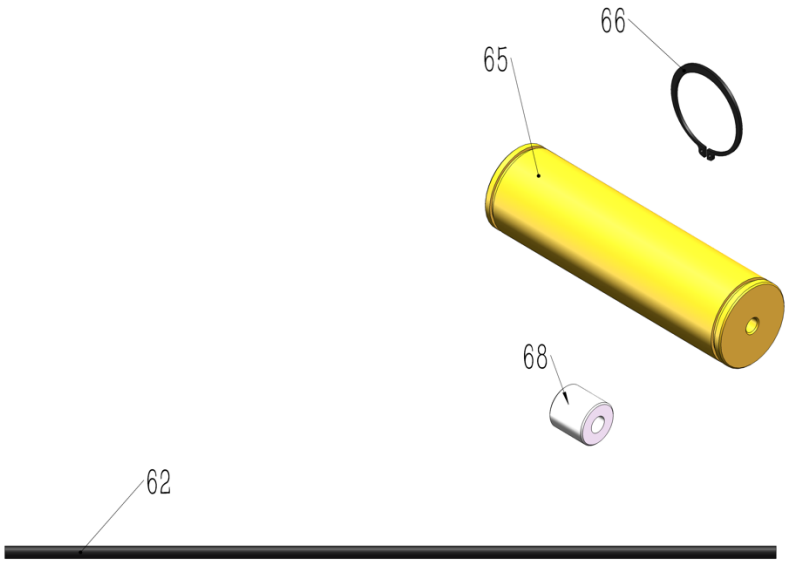

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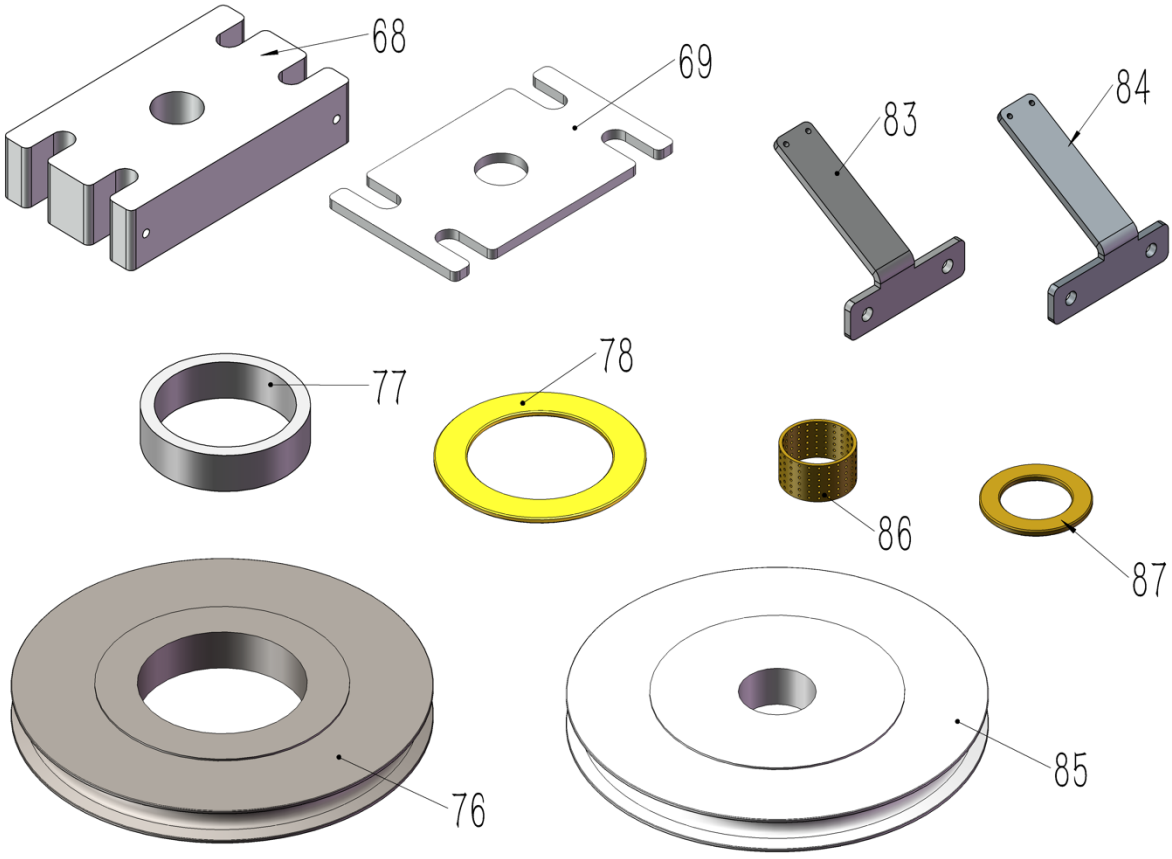

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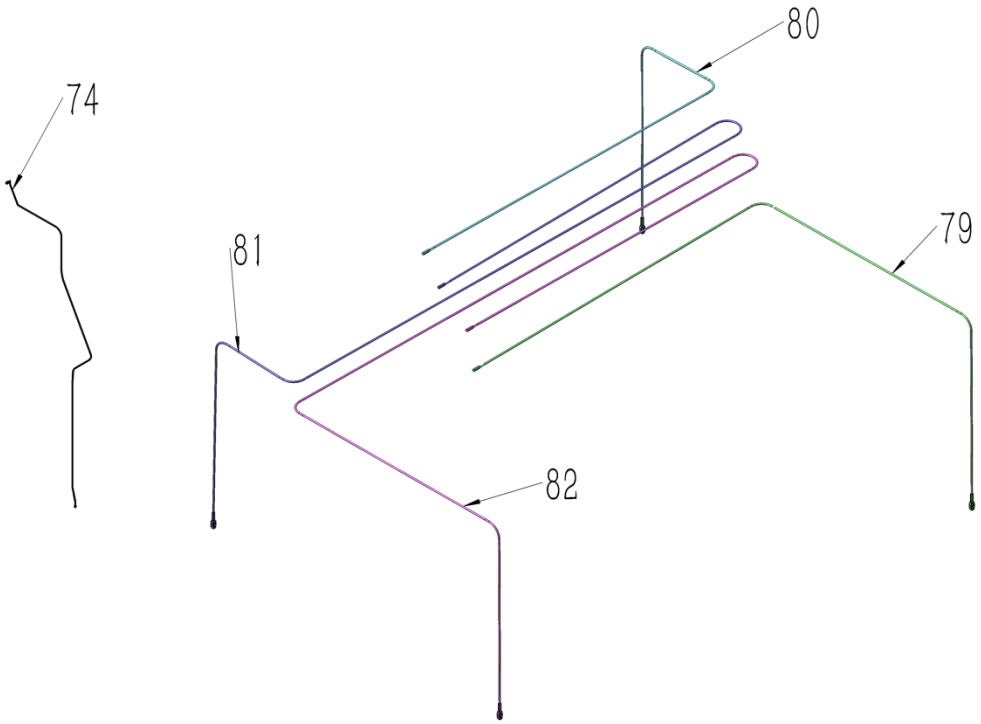

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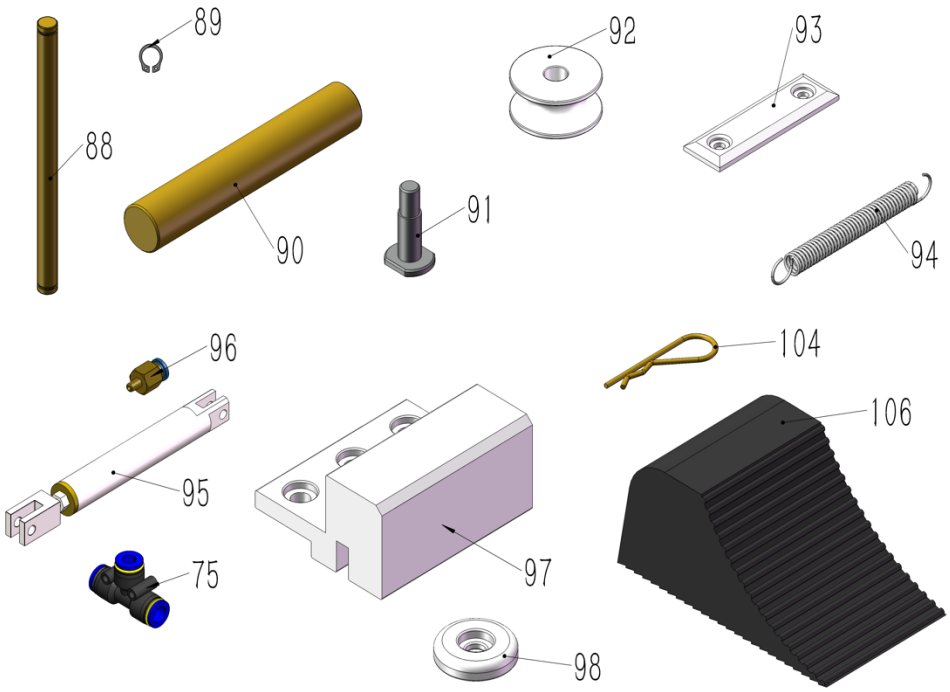

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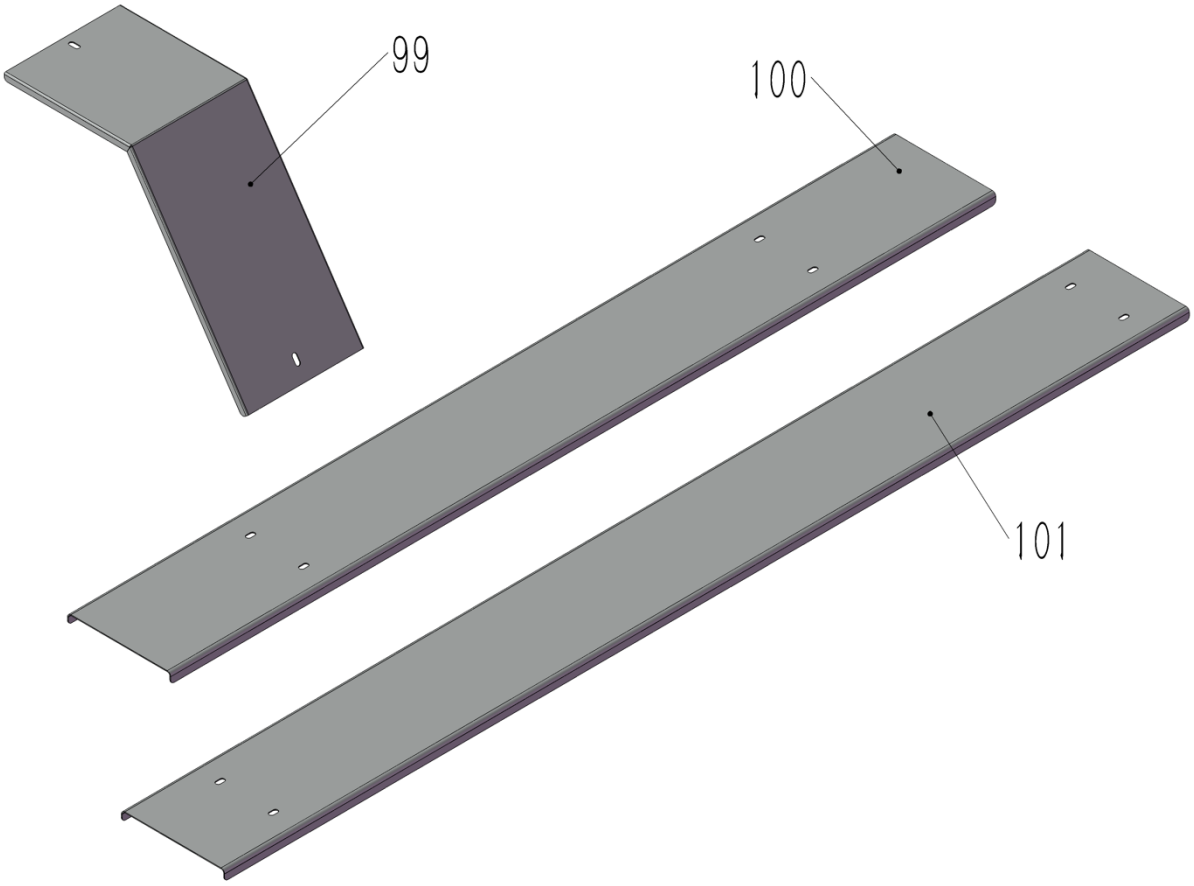

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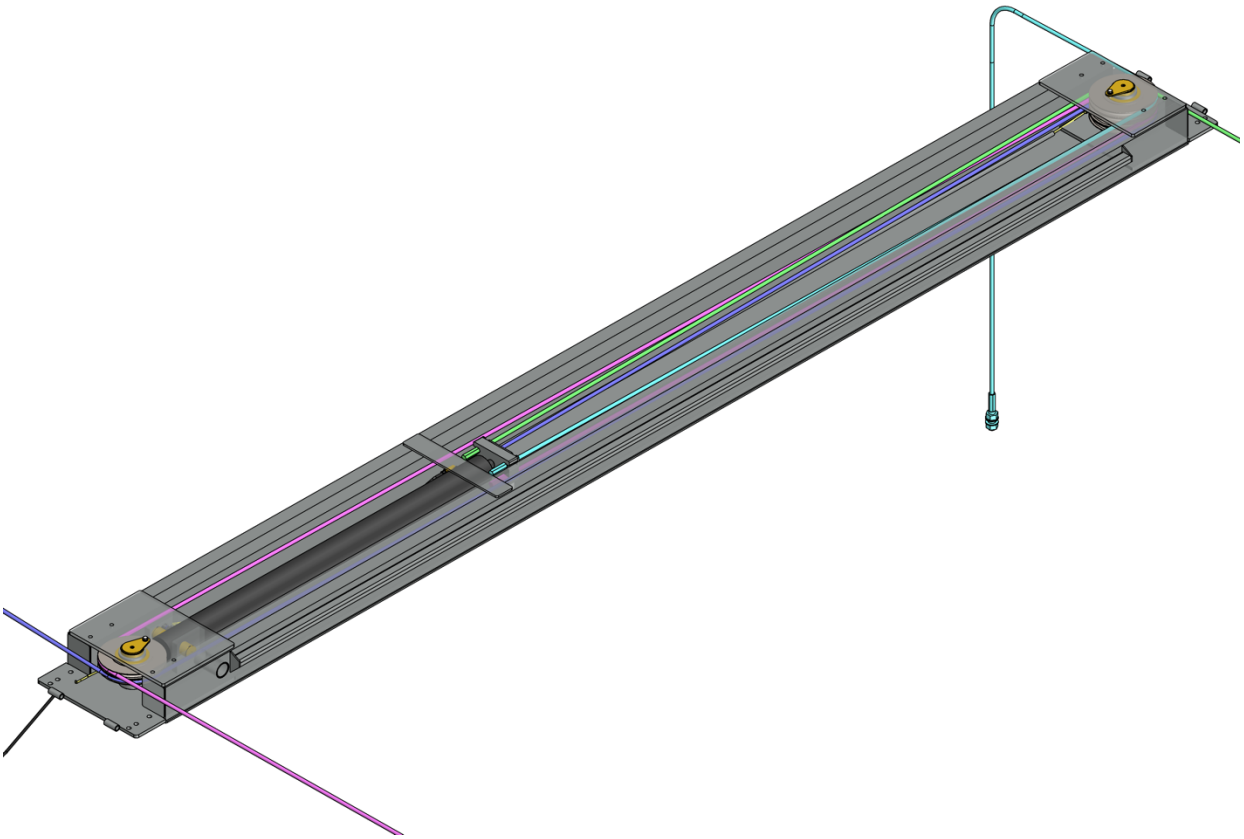

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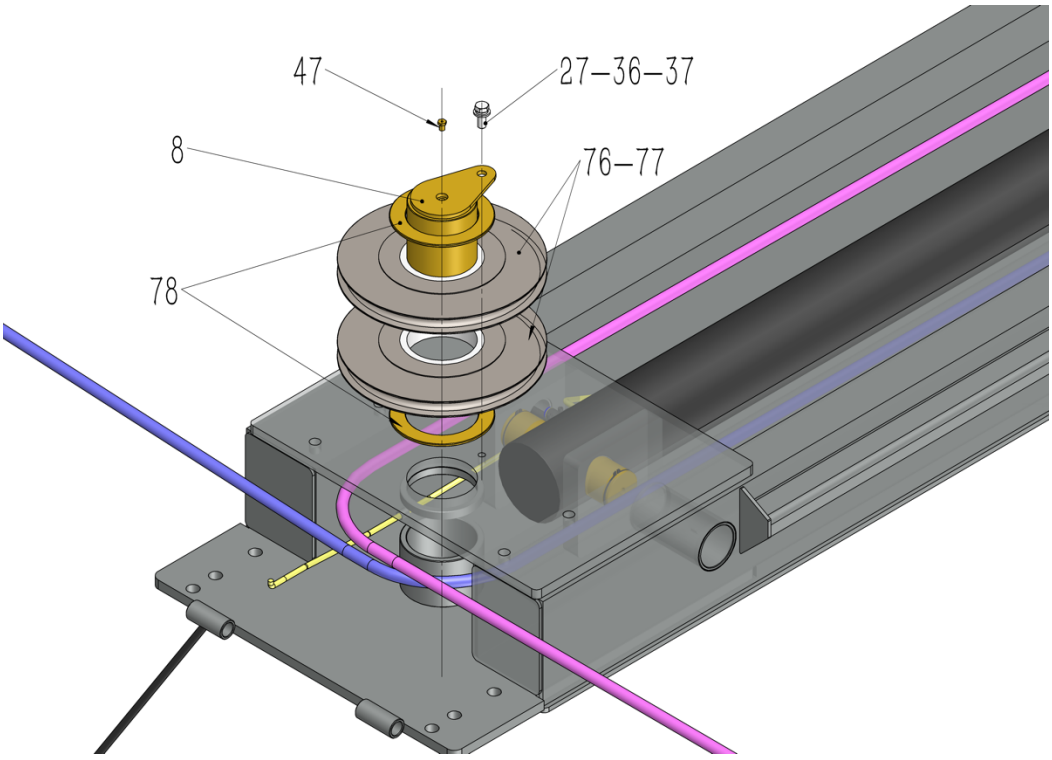

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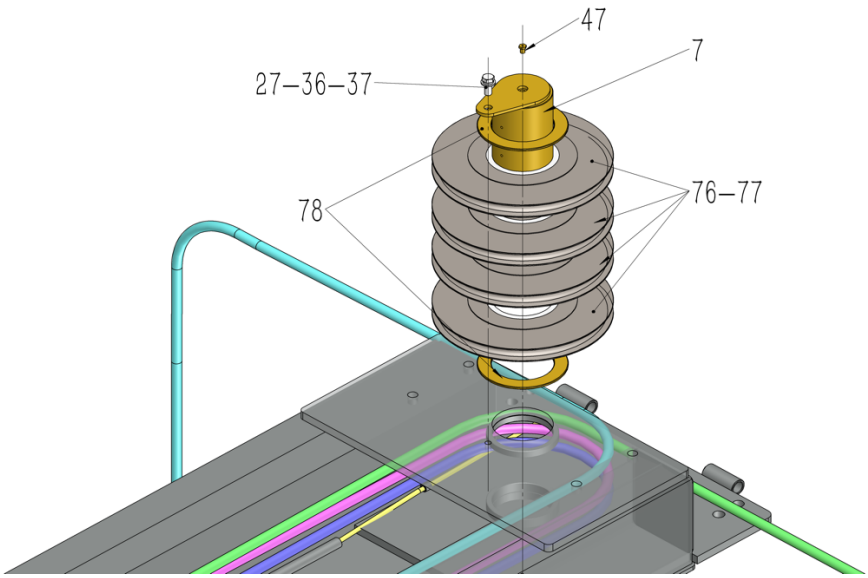

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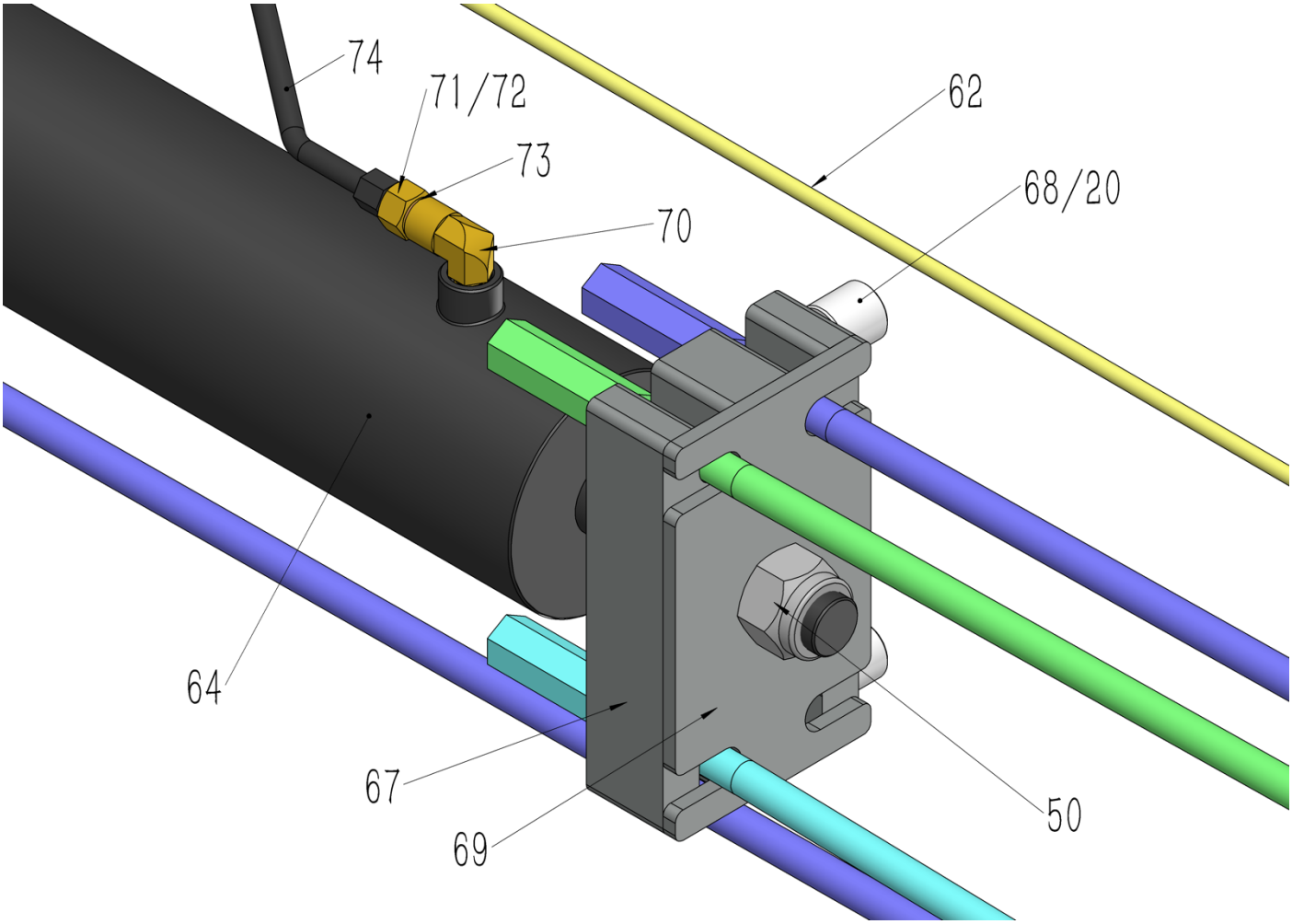

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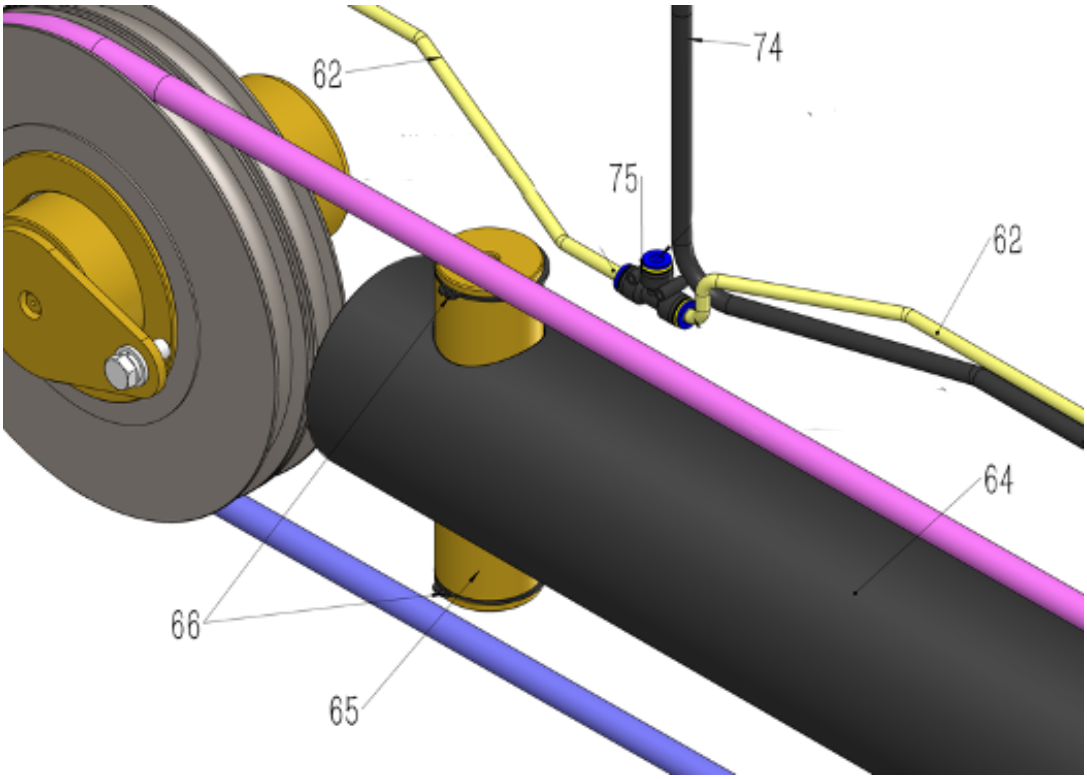

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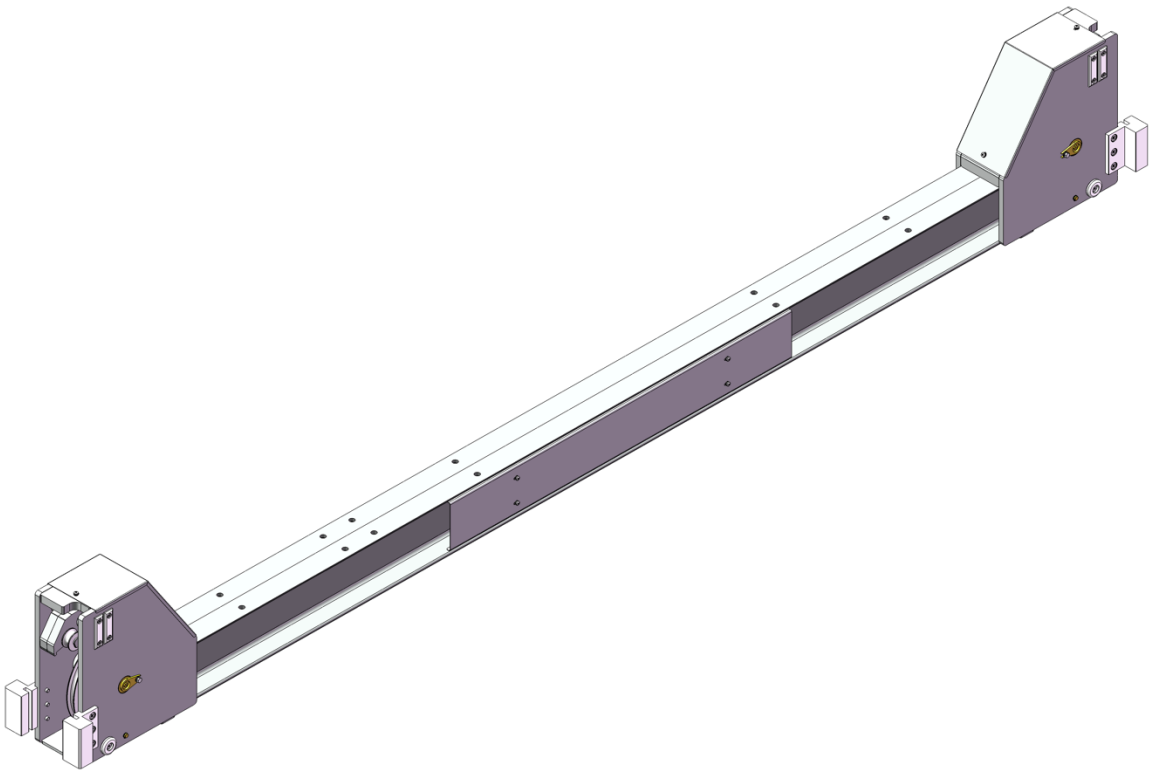

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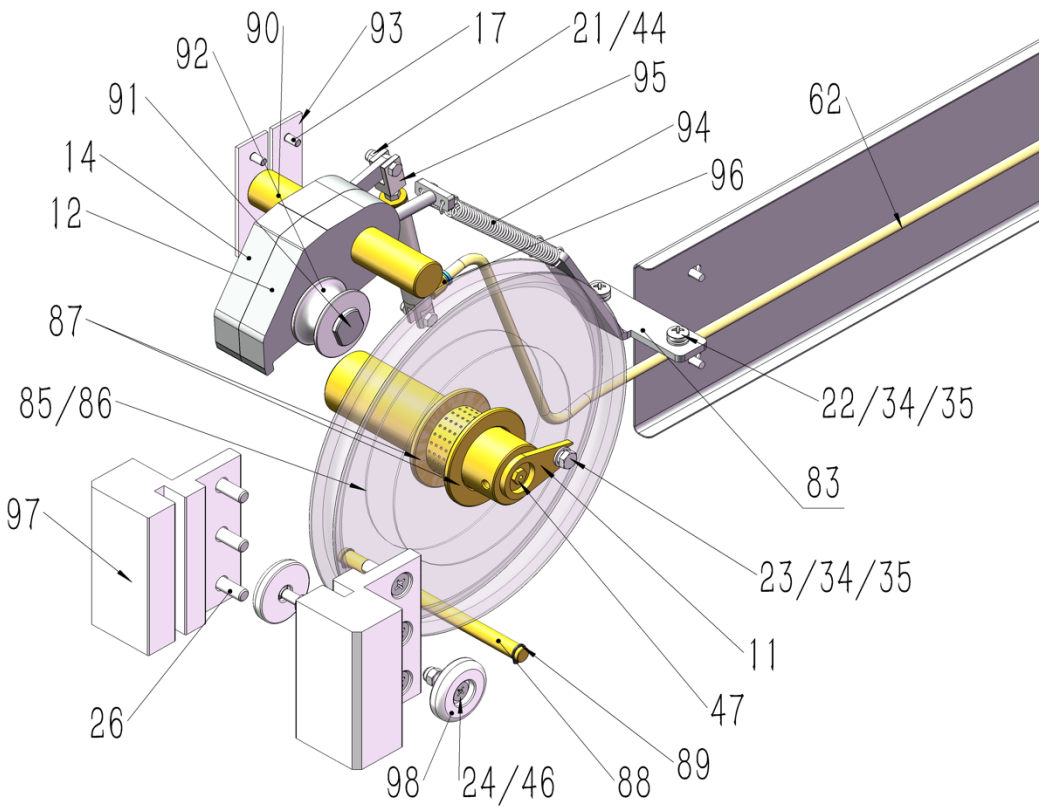
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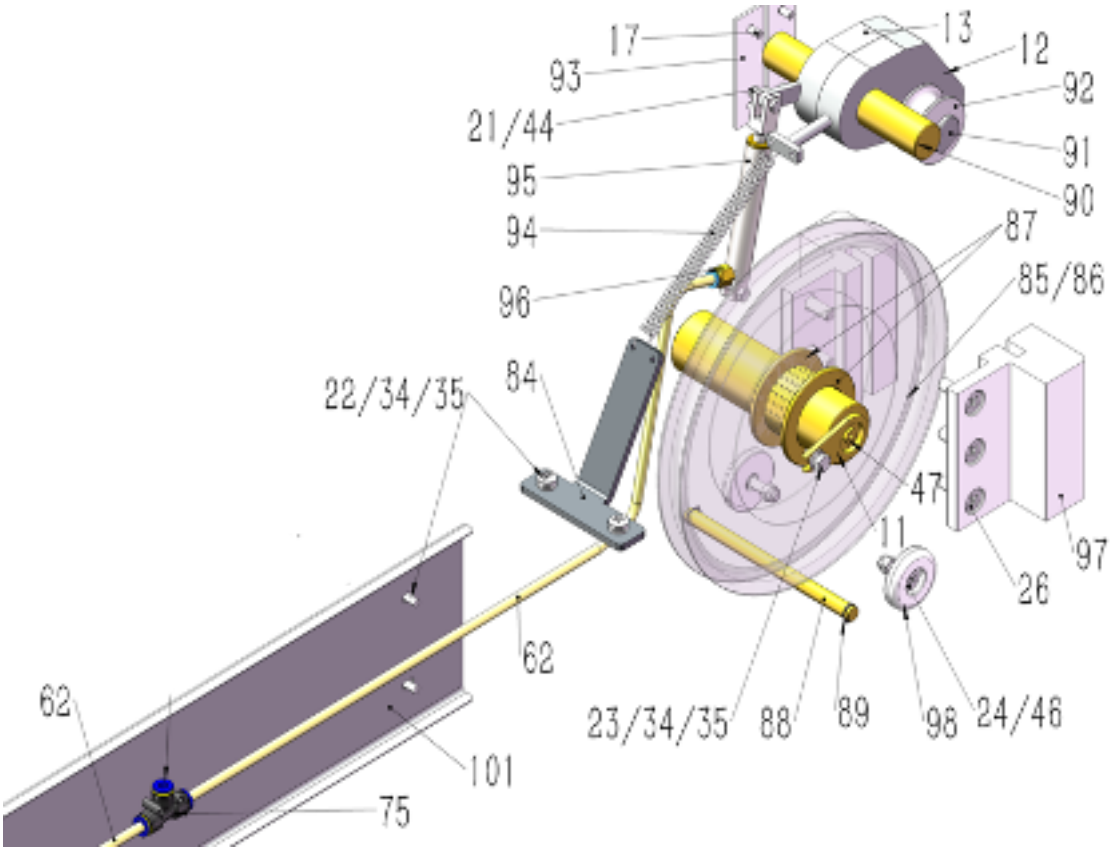
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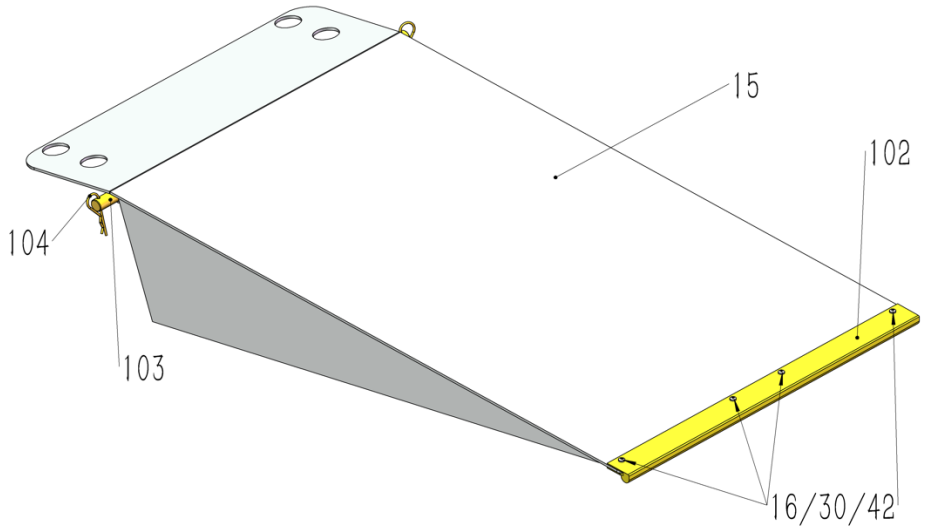

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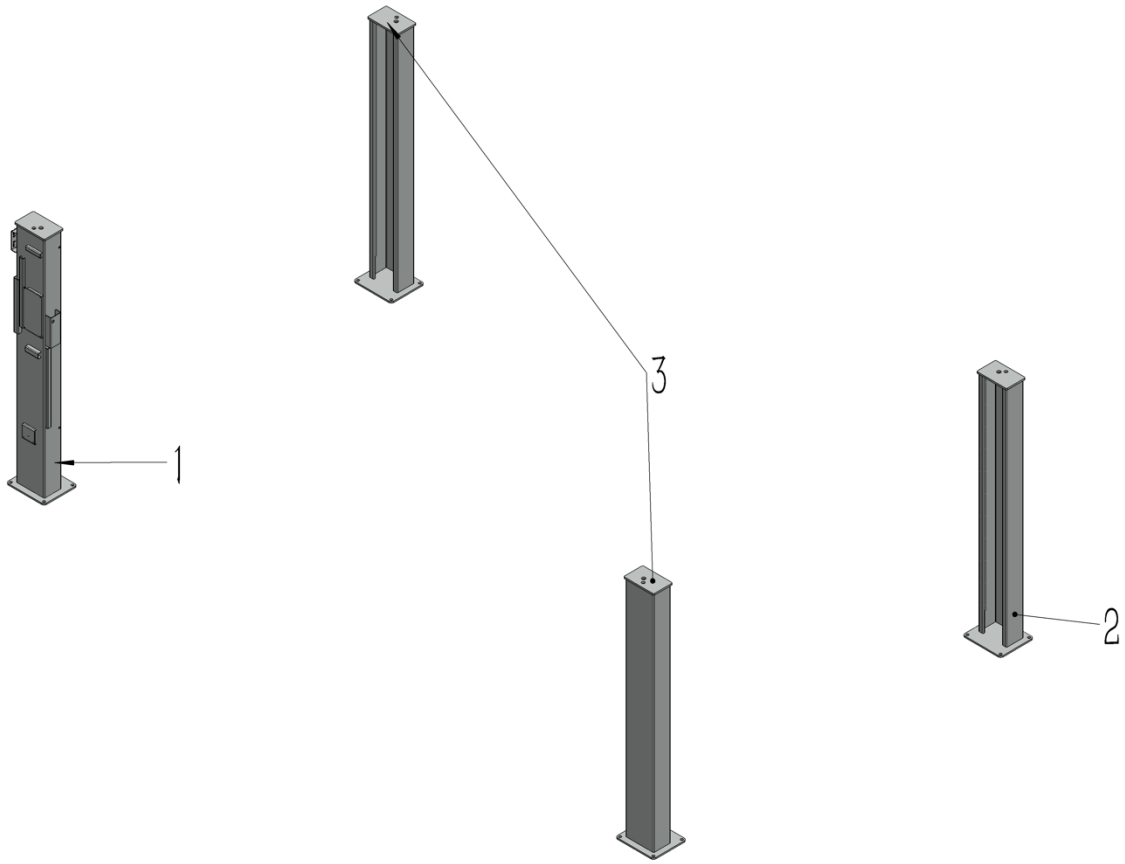

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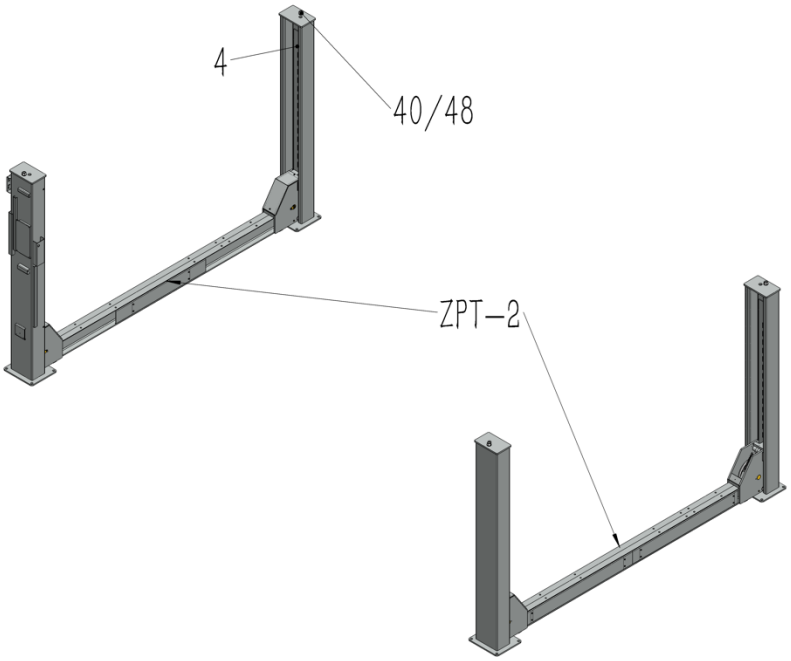

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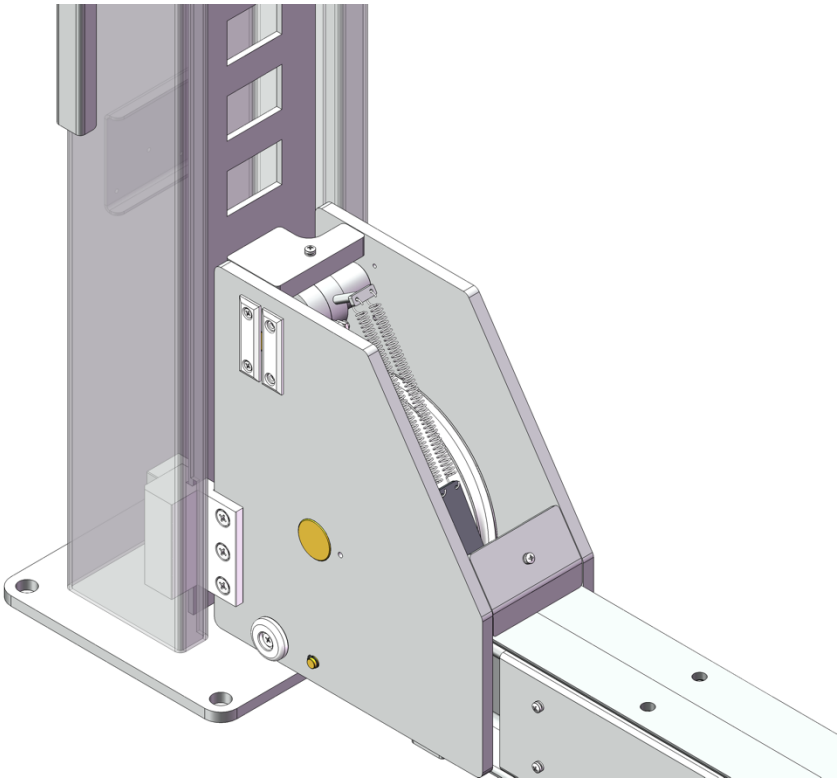

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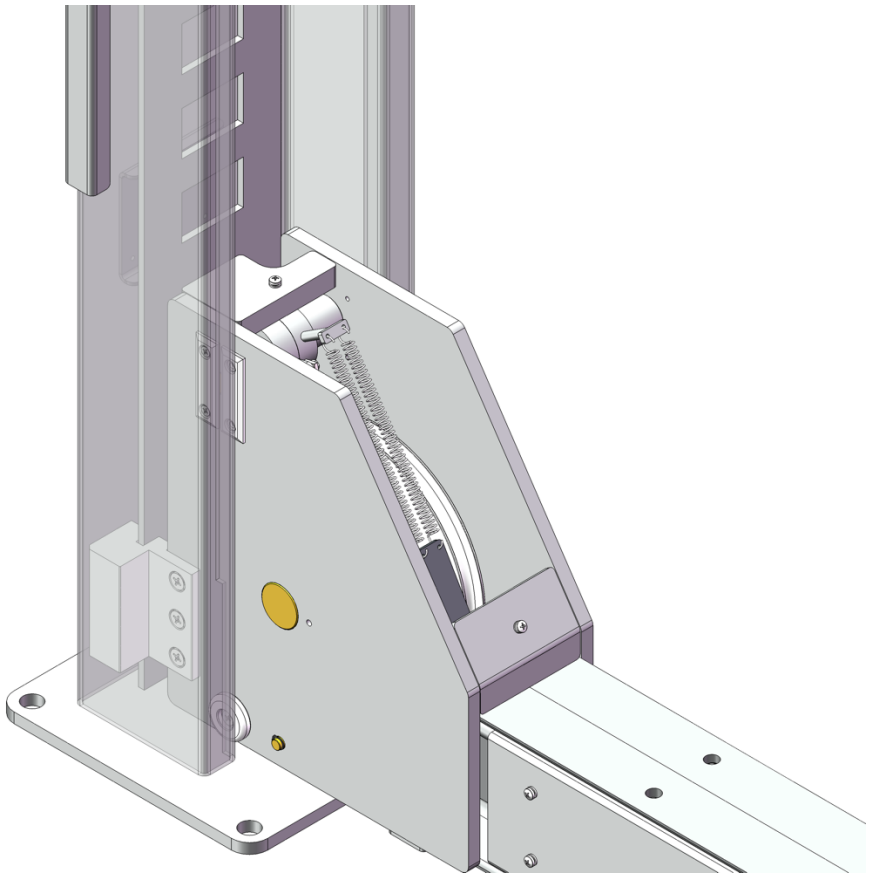

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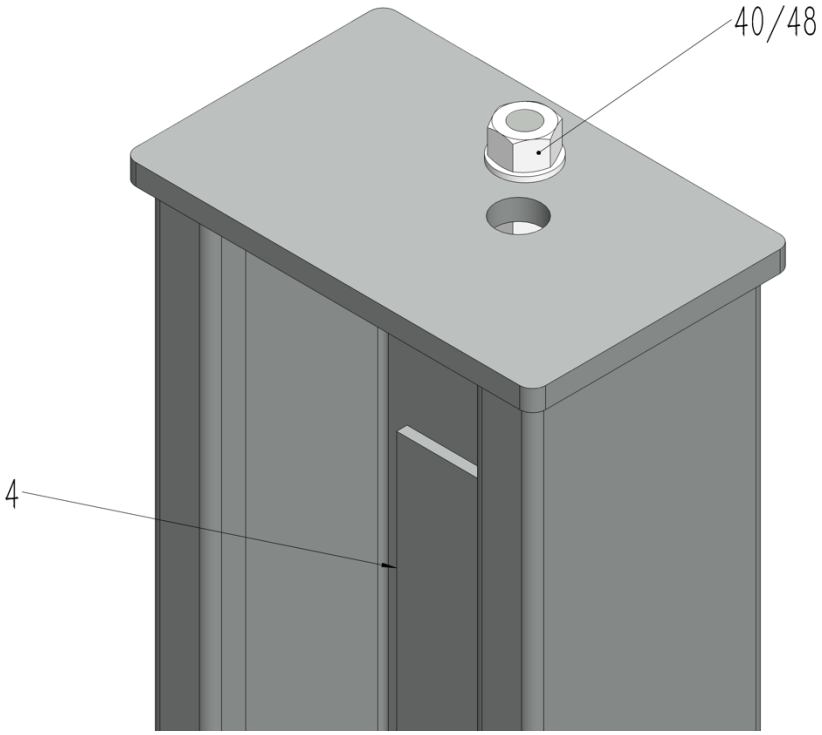

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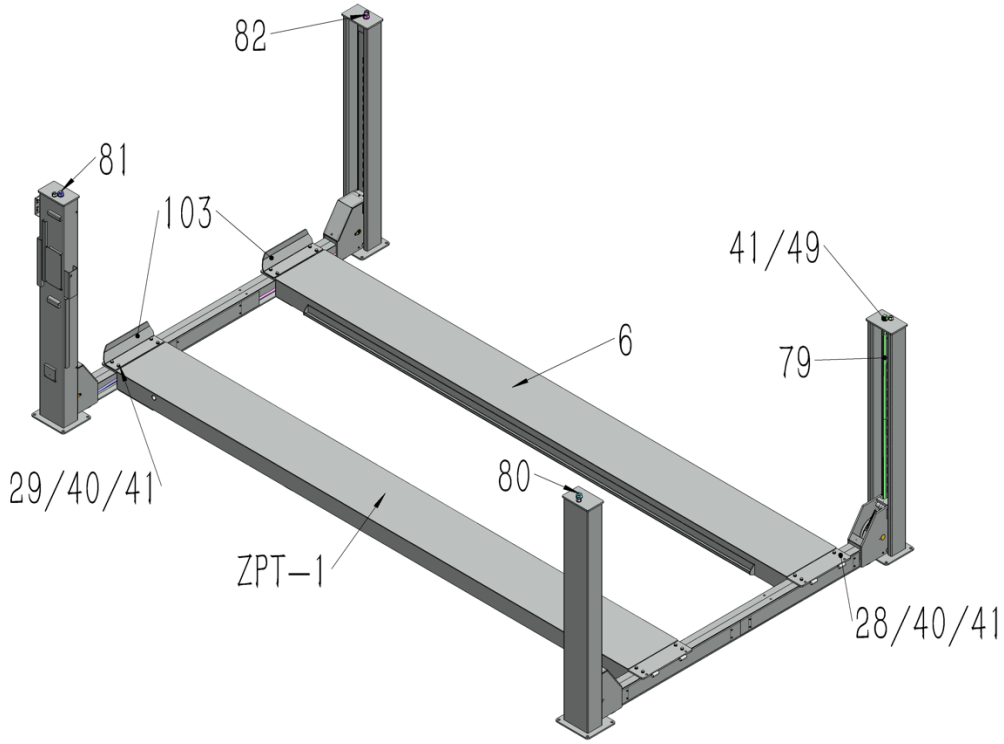

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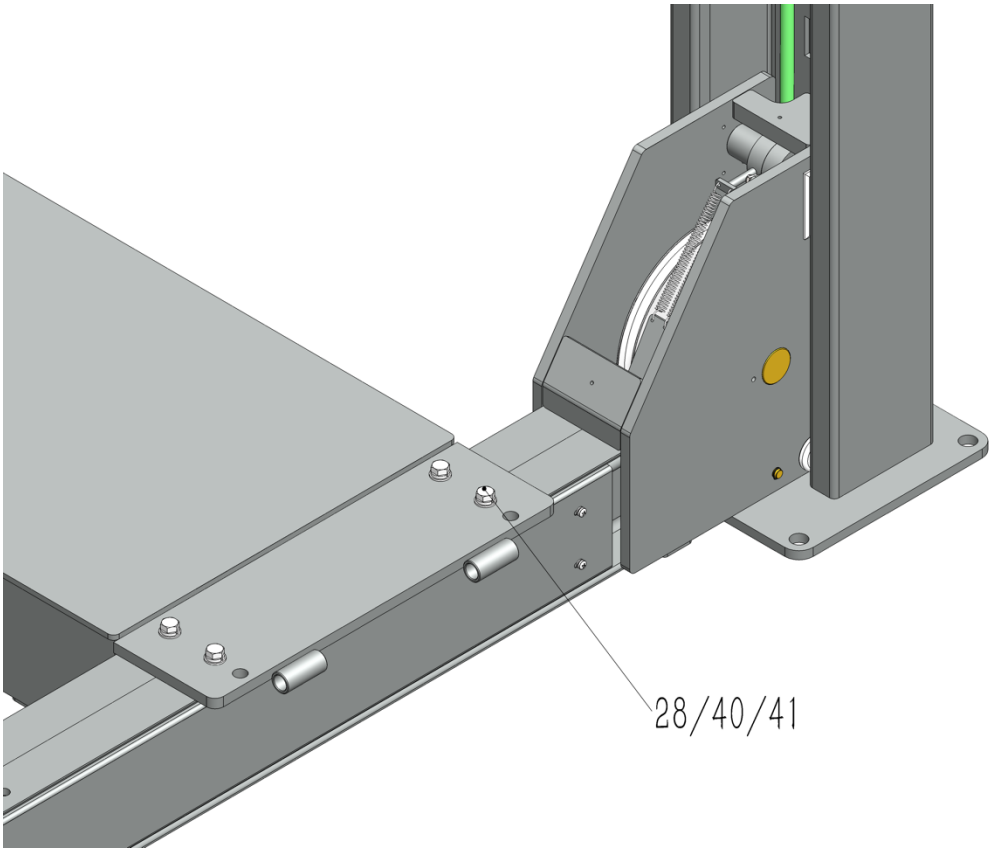

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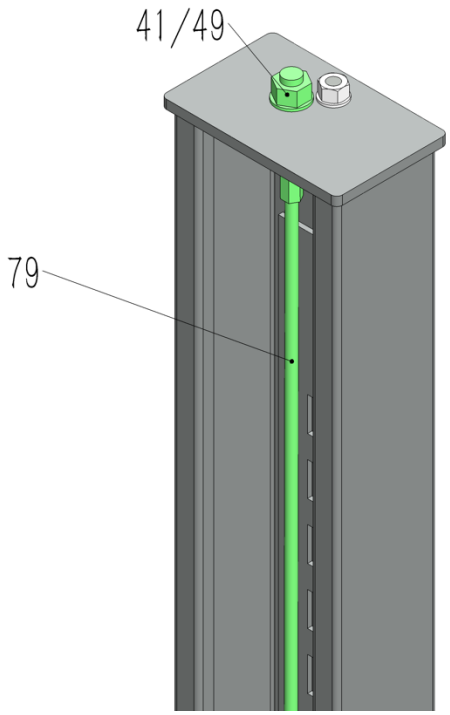

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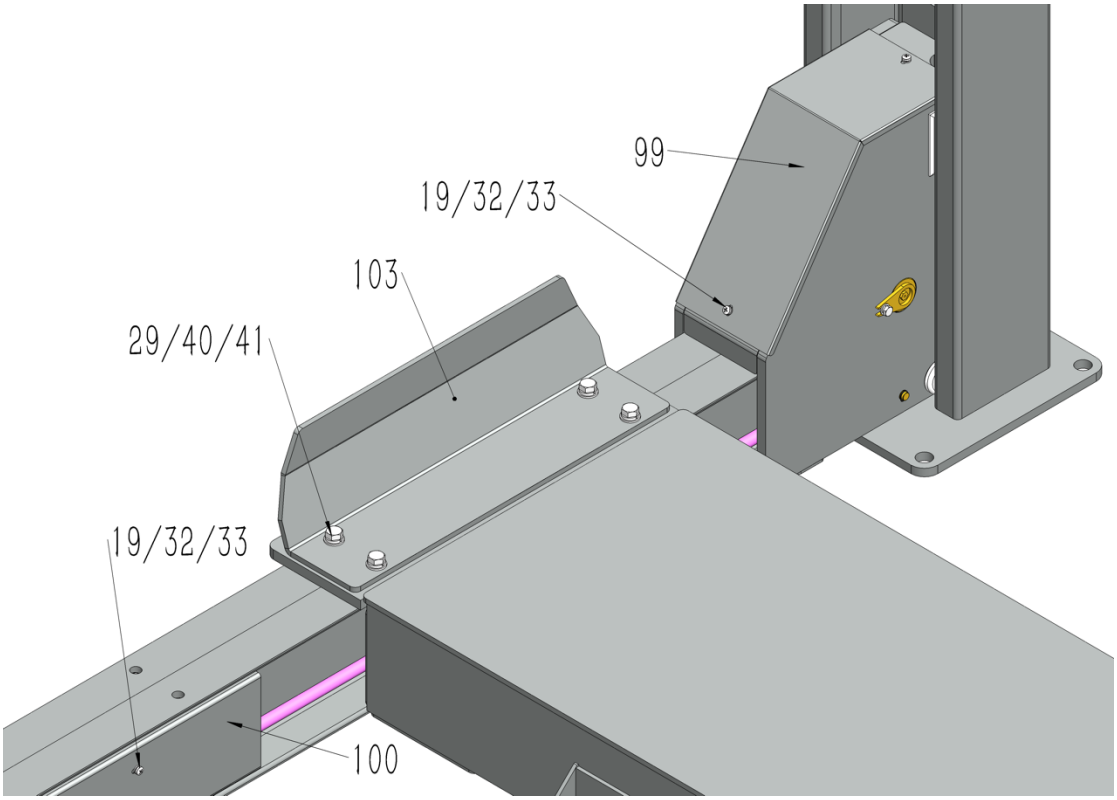

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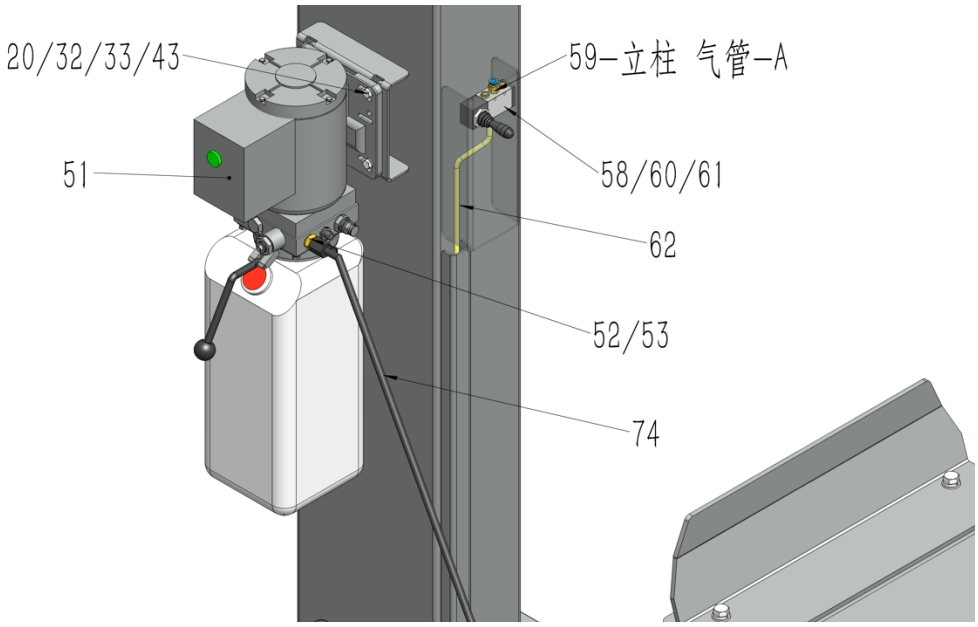

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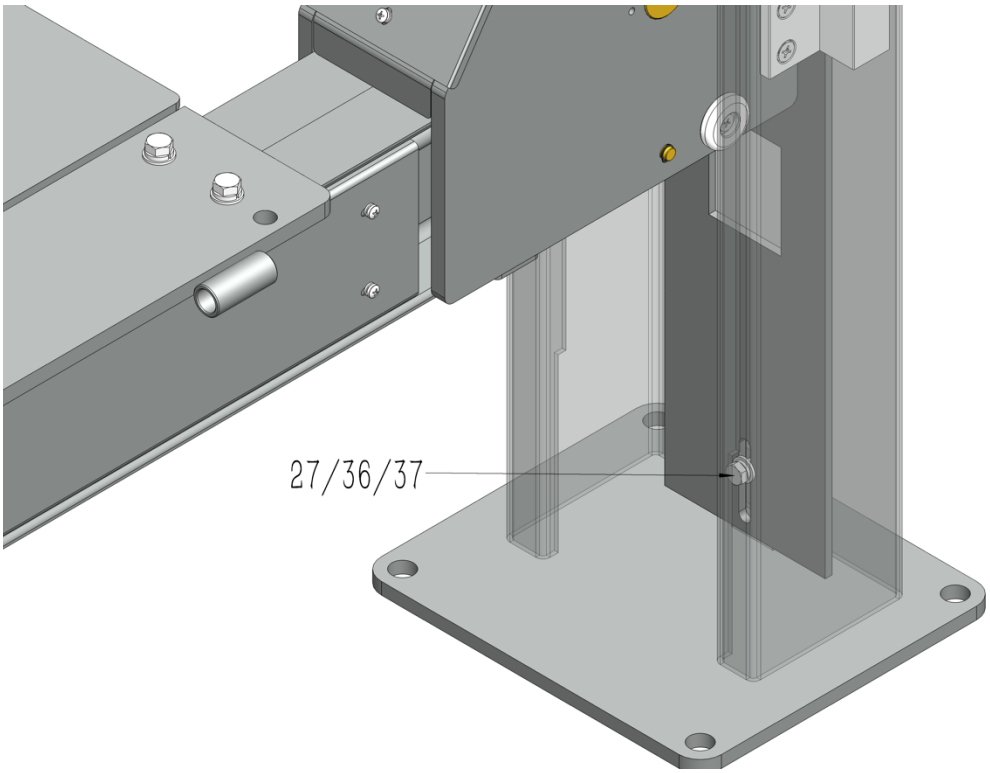

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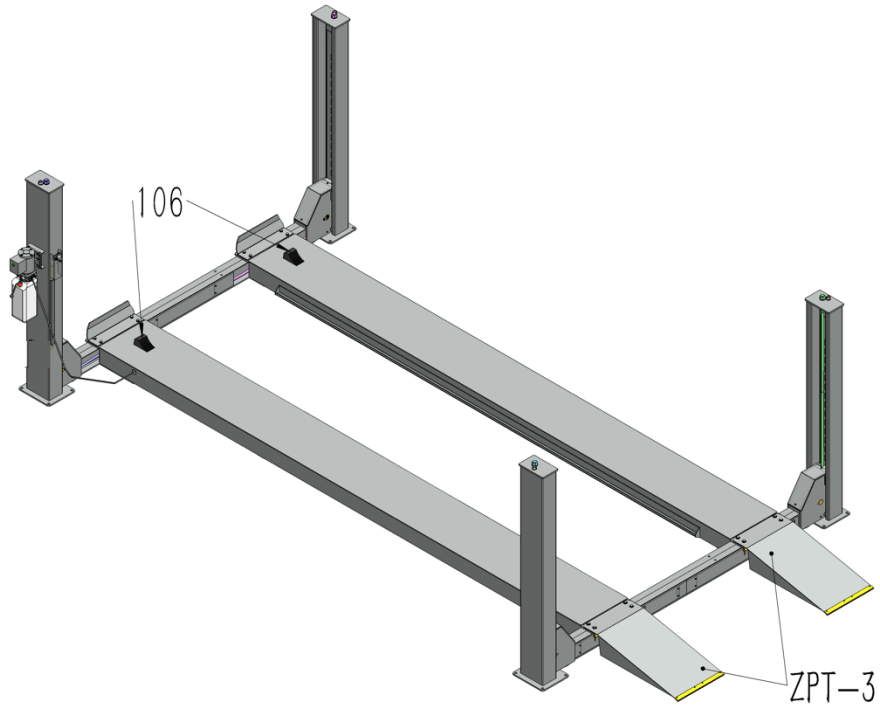

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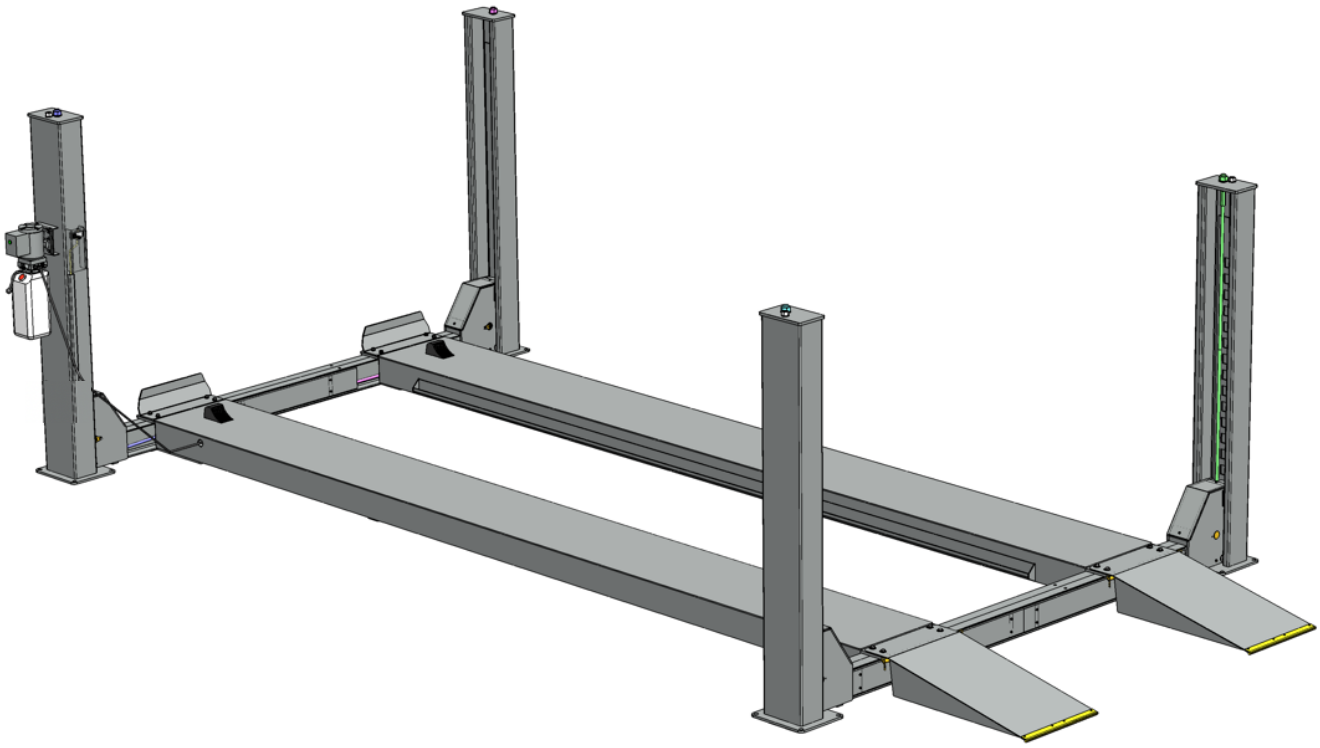

Trouble shooting

No.	Symptom	Eliminating methods
1	A motor does not turn	● check the power supply has power ● Check the motor connection box wiring is loose
2	motor rotation position of pressure oil	● Three-phase electric rotating in the wrong direction, swap in which two into line. ● Check that the fuel tank suction tube is off
3	Hydraulic lift after the slow decline in(Pressure bad)	● cleaning one-way valve and valve of the hydraulic station.
4	Security lock laughs at locksmith	● observe the position of locksmith security hook plate is normal. ● observed the location of column is correct. ● Check the return spring safety hook plate
5	motors, electrical failure	● Promptly cut off the power to inspect, repair and replacement by a professional electrician..
6	A motor does not turn	● check the power supply has power ● Check the motor connection box wiring is loose