BendPak®
PROVIDING AUTOMOTIVE SERVICE SOLUTIONS

Forward this manual to all operators.
Failure to operate this equipment as directed may cause injury.

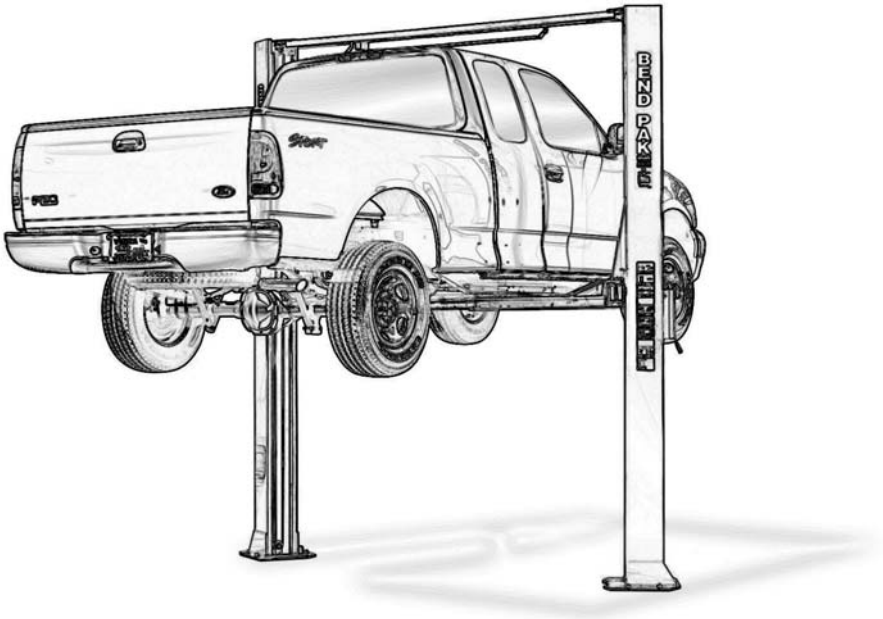
Revised 10-06-06

INSTALLATION AND OPERATION MANUAL

SURFACE MOUNTED TWO-POST LIFTS

XP-Series Lifts

MODELS:
XP-10C
XP-10CX
XP-10AC
XP-10ACX
XP-12CTA
XP-12FTA
XP-15C
XP-18C



Keep this operation manual near the machine at all times. Make sure that ALL USERS read this manual .

SHIPPING DAMAGE CLAIMS

When this equipment is shipped, title passes to the purchaser upon receipt from the carrier. Consequently, claims for the material damaged in shipment must be made by the purchaser against the transportation company at the time shipment is received.

BE SAFE

Your new lift was designed and built with safety in mind. However, your overall safety can be increased by proper training and thoughtful operation on the part of the operator. DO NOT operate or repair this equipment without reading this manual and the important safety instructions shown inside.

BendPak®
PROVIDING AUTOMOTIVE SERVICE SOLUTIONS

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TWO-POST
SURFACE MOUNTED
AUTO AND LIGHT DUTY TRUCK LIFT

This instruction manual has been prepared especially for you.
Your new lift is the product of over 40 years of continuous research, testing and development and is the most technically advanced lift on the market today.

READ THIS ENTIRE MANUAL BEFORE OPERATION BEGINS.

RECORD HERE THE FOLLOWING INFORMATION
WHICH IS LOCATED ON THE SERIAL NUMBER DATA PLATE

Serial No. _____

Model No. _____

Manufacturing date _____

WARRANTY

Your new lift is warranted for five years on equipment structure; one year on all operating components to the original purchaser, to be free of defects in material and workmanship. The manufacturer shall repair or replace at their option for this period those parts returned to the factory freight prepaid which prove upon inspection to be defective.
The manufacturer will pay labor costs for the first 12 months only on parts returned as previously described.
This warranty does not extend to defects caused by ordinary wear, abuse, misuse, shipping damage, or lack of required maintenance.
This warranty is exclusive and in lieu of all other warranties expressed or implied. In no event shall the manufacturer be liable for special, consequential or incidental damages for the breach or delay in performance of the warranty. The manufacturer reserves the right to make design changes or add improvements to its product line without incurring any obligation to make such changes on product sold previously.
Warranty adjustments within the above stated policies are based on the model and serial number of the equipment. This data must be furnished with all warranty claims.

PARTS INVENTORY

QTY.	*PART(S) DESCRIPTION*	*Part Number*	*WHERE USED*	*CHECK*
PARTS BOX				
1	Power side cover	5210006	Power side safety	_____
1	Power side safety weldment	5210007	Power side safety	_____
1	Off side safety cover	5210009	Off side safety	_____
1	Off side safety weldment	5210010	Off side safety	_____
2	Safety clevis hair pin	5505112	Secure safety clevis pin	_____
2	Safety clevis pin	5505113	Safety weldments	_____
2	Safety torsion spring	5540130	Safety clevis pin	_____
2	Washer	5545255	To tighten safety cable	_____
2	M12 hex nut	5535355	To tighten safety cable	_____
4	M10 hex head bolt	5530755	Secure safety covers to post	_____
4	Washer	5545250	Safety cover bolt	_____
4	XP-9/10 lift head pins	5505270	Lift arms	_____
4	Lift pad Assemblies	5210700	Lift arms	_____
2	3/8 Romex connectors	5520142	Electical; motor & overhead sw.	_____
1	Overhead micro switch	5525110	Top trough assembly	_____
1	Micro switch cable 120”	5525215	Overhead micro switch	_____
2	6-32 slot head bolt	5530117	Secure overhead micro switch	_____
2	6-32 Hex nut	5535190	Secure overhead micro switch	_____
12	Anchor bolts 3/4 x 5	5530450	Secure posts to floor	_____
24	C-Shims	5545535	Level posts	_____
4	M8 hex head bolts	5530753	Mount power unit to post	_____
4	Lock washers	5545254	Mount power unit to post	_____
4	M8 hex nut	5535356	Mount power unit to post	_____
2	3/4-12 hex nylock nut	5535353	Equalizer cable nut	_____
2	3/4” flat washer	5545253	Equalizer cable washer	_____
4	M10 hex head bolt	5530751	Secure top trough assy	_____
4	M10 nylock nut	5535350	Secure top trough assy	_____
4	Washer	5545251	Secure top trough assy	_____
1	3/8” power unit fitting	5550183	Hydraulic fitting for power unit	_____
2	1/4” cylinder fittings	5550113	Hydraulic fitting for cylinders	_____
1	1/4 to 3/8” bulkhead fitting	5550185	Hydraulic tee fitting to cylinders	_____
1	1/4” x 90-1/2” hydraulic hose	5570832	Power side cyl hose all models	_____
1	3/8” x 48” hydraulic hose	5570102	Power unit hose all models	_____
4	3” lift pad extension	5746390	Raise the height of lift pad	_____
4	6” lift pad extension	5746395	Raise the height of lift pad	_____
1	1/4” crossover hose	see table	Crossover to offside cylinder	_____
1	Safety cable	see table	Cable to release safety	_____
2	Equalizer cables	see table	Cable to level lift arms	_____
1	Can Spray Paint		Touch Up Paint	_____
1	Instruction Manual		Instruction Manual	_____
1	ALI Safety Instructions		Safety Instructions	_____

BE SURE TO TAKE A COMPLETE INVENTORY OF PARTS PRIOR TO INSTALLATION

SHIPMENT PARTS

QTY.	*PART(S) DESCRIPTION*	*Part Number*	*WHERE USED*	*CHECK*
1	AB-1466 Power Unit	5585079	Hydraulic Power Source	_____
1	Powerside Column	5210008	Powerside Column	_____
1	Offside Column	5210011	Offside Column	_____
1	Top Trough	see table	Overhead Beam	_____
4	Lift Arms	see table	Lift Arms	_____

HOSE & CABLE CHART

	XP-12/15/18
Power Unit Hose	5570832
	3/8 x 48 Power Unit Hose
Powerside Cyl Hose	5570832
	1/4 x 90-1/2 Powerside Cyl Hose
Crossover Hose	5570111
	1/4 x 378-1/2 Crossover Hose
Equalizer Cable	5595121
	Equalizer Cable 1/2 x 419
Equalizer Cable	5595121
	Equalizer Cable 1/2 x 419
Safety Cable	5595125
	3/32 x 327 Safety Cable
Top Trough	5210123
	Top Trough Assy XP-12/15/18
Lift Arms	5210124
	Heavy Arms Assy XP-12/15/18
	5210125
	Triple Telescoping Arm Assy

HOSE & CABLE CHART

	XP-10C	XP-10CX
Power Unit Hose	5570102	5570102
	3/8 x 48 Power Unit Hose	3/8 x 48 Power Unit Hose
Powerside Cyl Hose	5570832	5570832
	1/4 x 90-1/2 Powerside Cyl Hose	1/4 x 90-1/2 Powerside Cyl Hose
Crossover Hose	5570107	5570106
	1/4 x 316-1/2 Crossover Hose	1/4 x 329 Crossover Hose
Equalizer Cable	5595111	5595112
	Equalizer Cable 3/8 x 355-1/2	Equalizer Cable 3/8 x 368
Equalizer Cable	5595111	5595112
	Equalizer Cable 3/8 x 355-1/2	Equalizer Cable 3/8 x 368
Safety Cable	5595110	5595113
	3/32 x 287 Safety Cable	3/32 x 300 Safety Cable
Top Trough	5210003	5210114
	Top Trough Assy XP-10C	Top Trough Assy XP-10CX
Lift Arms	5210012	5210012
	Medium Arm Assy XP-Series	Medium Arm Assy XP-Series
	5210013	
	Short Arm Assy XP-Series	
	XP-10AC	**XP-10ACX**
Power Unit Hose	5570102	5570102
	3/8 x 48 Power Unit Hose	3/8 x 48 Power Unit Hose
Powerside Cyl Hose	5570832	5570832
	1/4 x 90-1/2 Powerside Cyl Hose	1/4 x 90-1/2 Powerside Cyl Hose
Crossover Hose	5570107	5570106
	1/4 x 316-1/2 Crossover Hose	1/4 x 329 Crossover Hose
Equalizer Cable	5595114	5595118
	Equalizer Cable 3/8 x 351-1/2	Equalizer Cable 3/8 x 364-1/2
Equalizer Cable	5595115	5595117
	Equalizer Cable 3/8 x 356-1/2	Equalizer Cable 3/8 x 369-3/4
Safety Cable	5595110	5595113
	3/32 x 287 Safety Cable	3/21 x 300 Safety Cable
Top Trough	5210113	5210112
	Top Trough Assy XP-10-AC	Top Trough Assy XP-10ACX
Lift Arms	5210014	5210014
	Long Arm Assy XP-Series	Long Arm Assy XP Series
	5210020	5210019
	30* Short Arm Assy XP-Series	30*Long Arm Assy

INTRODUCTION

1. Carefully remove the crating and packing materials. ***CAUTION!*** Be careful when cutting steel banding material as items may become loose and fall causing personal harm or injury.

2. Inspect the lift for any signs of concealed shipment damage or shortages. Remember to report any shipping damage to the carrier and make a notation on the delivery receipt.

3. Check the voltage, phase and proper amperage requirements for the motor shown on the motor plate. Wiring should be performed by a certified electrician only.

IMPORTANT SAFETY INSTRUCTIONS

Read these safety instructions entirely!

1. Read and understand all safety warning procedures before operating lift.

2. Keep hands and feet clear. Remove hands and feet from any moving parts. Keep feet clear of lift when lowering. Avoid pinch points.

3. Keep work area clean. Cluttered work areas invite injuries.

4. Consider work area environment. Do not expose equipment to rain . Do not use in damp or wet locations. Keep area well lighted.

5. Only trained operators should operate this lift. All non-trained personnel should be kept away from work area. Never let non-trained personnel come in contact with, or operate lift.

6. Use lift correctly. Use lift in the proper manner. Never use lifting adapters other than what is approved by the manufacturer.

7. Do not override self-closing lift controls.

8. Remain clear of lift when raising or lowering vehicle.

9. Clear area if vehicle is on danger of falling.

10. Always insure that the safeties are engaged before any attempt is made to work on or near vehicle.

11. Dress properly. Non-skid steel -toe footwear is recommended when operating lift.

12. Guard against electric shock. This lift must be grounded while in use to protect the operator from electric shock. Never connect the green power cord wire to a live terminal. This is for ground only.

13. Danger! The power unit used on this lift contains high voltage. Disconnect power at the receptacle before performing any electrical repairs. Secure plug so that it cannot be accidentally plugged in during service.

14. Warning! Risk of explosion. This equipment has internal arcing or sparking parts which should not be exposed to flammable vapors. This machine should not be located in a recessed area or below floor level.

15. Maintain with care. Keep lift clean for better and safe performance. Follow manual for proper lubrication and maintenance instructions. Keep control handles and/or buttons dry, clean and free from grease and oil.

16. Stay alert. Watch what you are doing. Use common sense. Be aware.

17. Check for damaged parts. Check for alignment of moving parts, breakage of parts or any condition that may affect its operation. Do not use lift if any component is broken or damaged.

18. Never remove safety related components from the lift. Do not use lift if safety related components are damaged or missing.

THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH IF NOT FOLLOWED COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS AND CAN CAUSE PERSONAL INJURY OR DEATH. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT.

TOOLS REQUIRED

- Rotary Hammer Drill Or Similar
- 3/4" Masonry Bit
- Hammer
- 4 Foot Level
- Open-End Wrench Set: 7/16" - 1-1/8"
- Socket And Ratchet Set: 7/16" - 1-1/8"
- Hex-Key / Allen Wrench Set
- Medium Crescent Wrench
- Medium Pipe Wrench
- Crow Bar For Shim Installation
- Chalk Line
- Medium Flat Screwdriver
- Tape Measure: 25 Foot Minimum
- Needle Nose Pliers

IMPORTANT NOTICE

These instructions must be followed to insure proper installation and operation of your lift. Failure to comply with these instructions can result in serious bodily harm and void product warranty. Manufacturer will assume no liability for loss or damage of any kind, expressed or implied resulting from improper installation or use of this product.

PLEASE READ ENTIRE MANUAL PRIOR TO INSTALLATION.

STEP ONE

(Selecting Site)

Before installing your new lift, check the following.

1. LIFT LOCATION: Always use architects plans when available. Check layout dimension against floorplan requirements making sure that adequate space is available.

2. OVERHEAD OBSTRUCTIONS: The area where the lift will be located should be free of overhead obstructions such as heaters, building supports, electrical lines etc.

3. DEFECTIVE CONCRETE: Visually inspect the site where the lift is to be installed and check for cracked or defective concrete.

STEP TWO

(Floor Requirements)

⚠ DANGER

Specifications of concrete must be adhered to. Failure to do so could cause lift failure resulting in personal injury or death.

A level floor is suggested for proper installation. Small differences in floor slopes may be compensated for by proper shimming.

If a floor is of questionable slope, consider a survey of the site and/or the possibility of pouring a new level concrete slab.

- DO NOT install this lift on any asphalt surface or any surface other than concrete.

- DO NOT install this lift on expansion seams or on cracked or defective concrete.

- DO NOT install this lift on a second / elevated floor without first consulting building architect.

- DO NOT install this lift outdoors unless special consideration has been made to protect the power unit from inclimate weather conditions.

CONCRETE SPECIFICATIONS

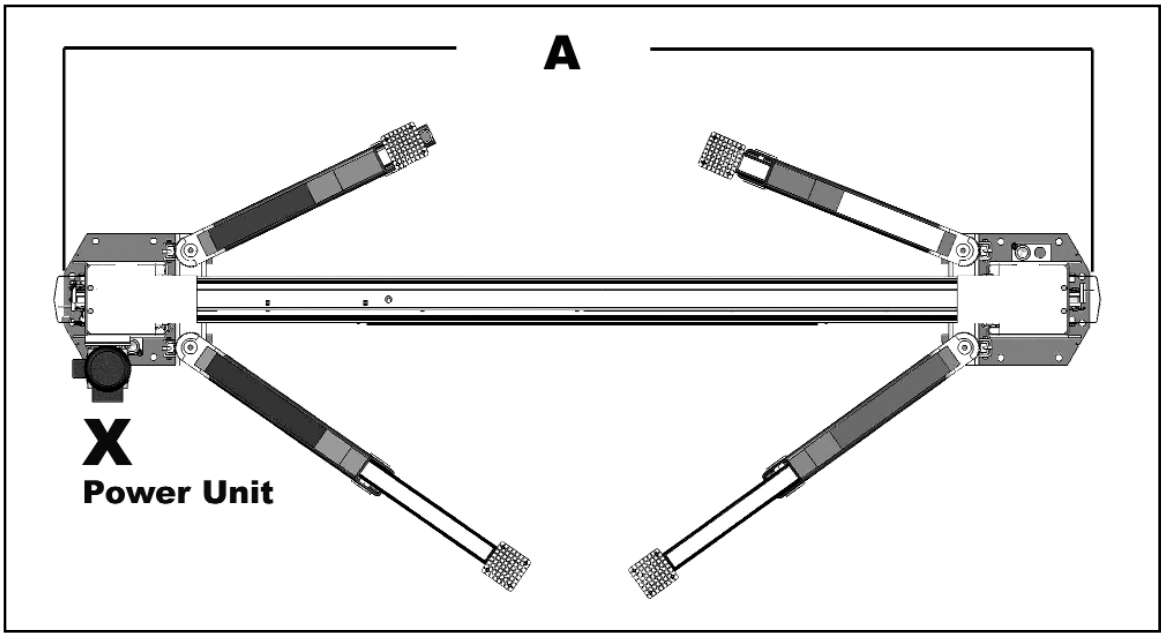
LIFT MODEL	CONCRETE REQUIREMENT
7,000 Lb. Models	4” Min. Thickness / 3000 PSI
10,000 Lb. Models	4” Min. Thickness / 3000 PSI
12,000 Lb. Models	6” Min. Thickness / 3000 PSI
15,000 Lb. Models	6” Min. Thickness / 3000 PSI
18,000 Lb. Models	8” Min. Thickness / 3000 PSI

NOTE

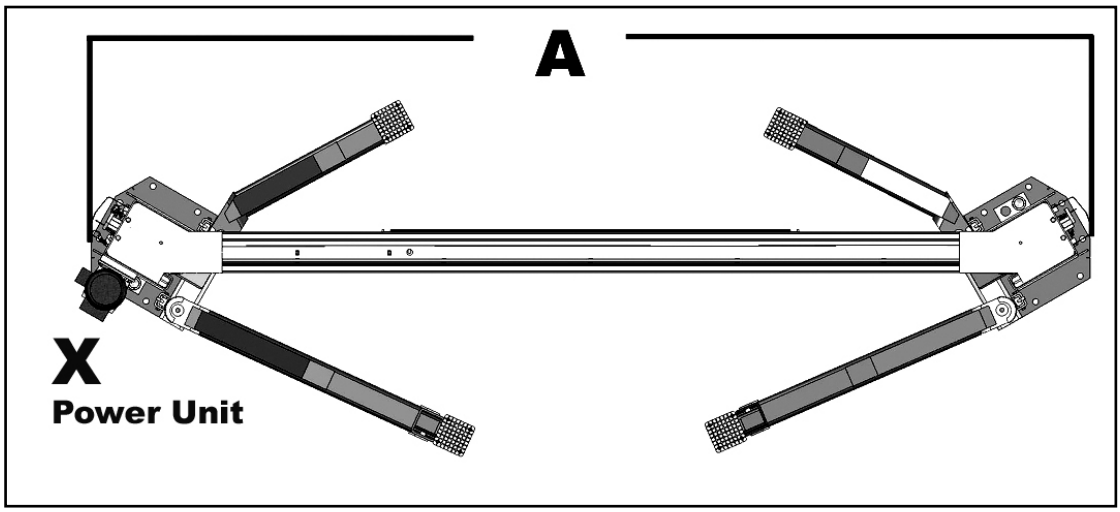
All models MUST be installed on 3000 PSI concrete only conformIng to the minimum requirements shown above. New concrete must be adequately cured by at least 28 days minimum.

Floor Layout

Model	A
XP-10C	132”
XP-10CX	145”
XP-12CTA	155”
XP-15C	155”
XP-18C	155”



Model	A
XP-10AC	132”
XP-10ACX	145”



⚠ DANGER

When removing the lift from shipping angles pay close attention as the posts can slide and can cause injury. Prior to removing the bolts make sure the posts are held securely by a fork lift or some other heavy lifting devise.

STEP THREE

(Site Layout)

1. Determine which side will be the approach side.

2. Now determine where the power unit will be located. The POWERSIDE column has the power-unit mounting bracket attached to the side.

3. Once a location is determined, use a carpenters chalk line to layout a grid for the post locations. Keep all dimensions and squareness within 1/8" or malfunctioning of the lift can occur.

4. After the post locations are properly marked, use a chalk or crayon to make an outline of the posts on the floor at each location using the post baseplates as a template. (See below Fig 1)

5. Double check all dimensions and make sure that the layout is perfectly square.

COMPLETE THE FOLLOWING PRIOR TO STANDING COLUMNS.

(1) Route the plug end of each equalizer cables around the bottom pulley and lock into bottom plate of carriage. (Fig. 2) Feed threaded end up through carriage. Leave excess cable resting on top of carriage until further steps are required. (NOTE: Asymmetric models have two different length cables.)

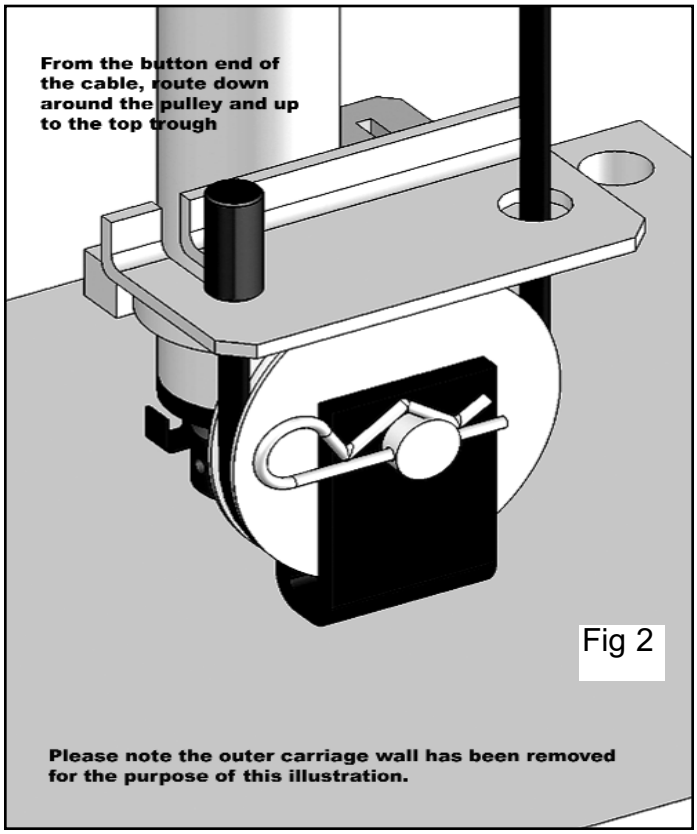
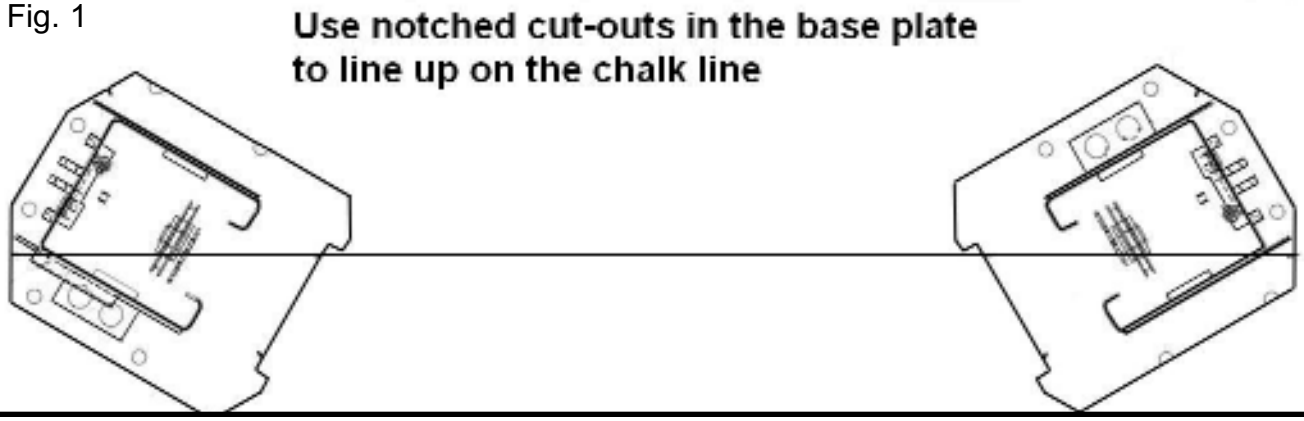


Fig 2

Fig. 1



2. Install the cylinder fittings in cylinder ports so that each fitting points towards the entrance side of lift. (Fig 3).

3. At this point install the cylinders into the carriages. With the **post on the ground** slide the carriage towards the top of the post approximately 6 feet. Insert the casing side of the cylinder into the entry hole on the bottom of the carriage. Push the cylinder in all the way until the collar touches on the carriage. Slide the carriage all of the way back down until the cylinder makes contact with the base plate of the post. (Fig 4).

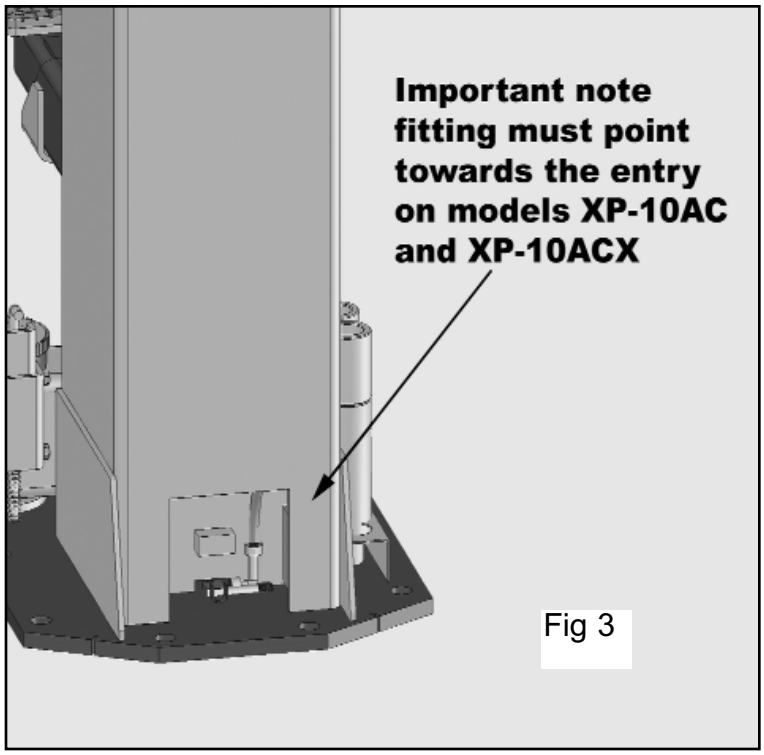
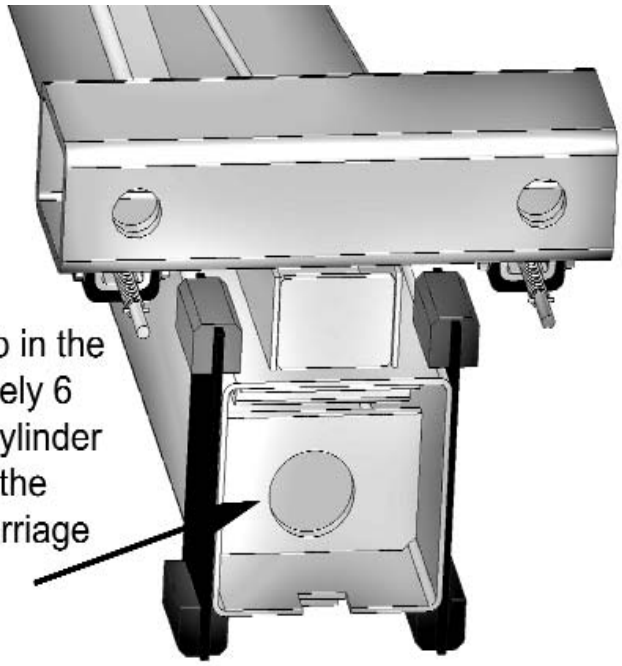


Fig 3

Fig 4



Important Note

When routing the hydraulic hose through the columns, make sure to route through the retaining clips welded inside each column.

5. Route both hoses in their respective columns PRIOR to raising columns to their vertical position. When routing the hydraulic hose through the columns, make sure to route through the retaining clips welded inside each column. Make sure that the hose is clear of any moving parts. It may be necessary to tie hose clear by using nylon tie straps or wire.

STEP FOUR

(Installing The POWERSIDE Column)

1. Before proceeding, double the check measurements and make certain that the bases of each column are aligned with the chalk line.

2. Using the baseplate on the POWERSIDE column as a guide, drill each anchor hole in the concrete (approximately 4-1/2" deep for 10K models and 6" deep for 12K and 15K models) using a rotary hammer drill and 3/4" concrete drill-bit. To assure full holding power, do not ream the hole or allow the drill to wobble. (Fig. 5)

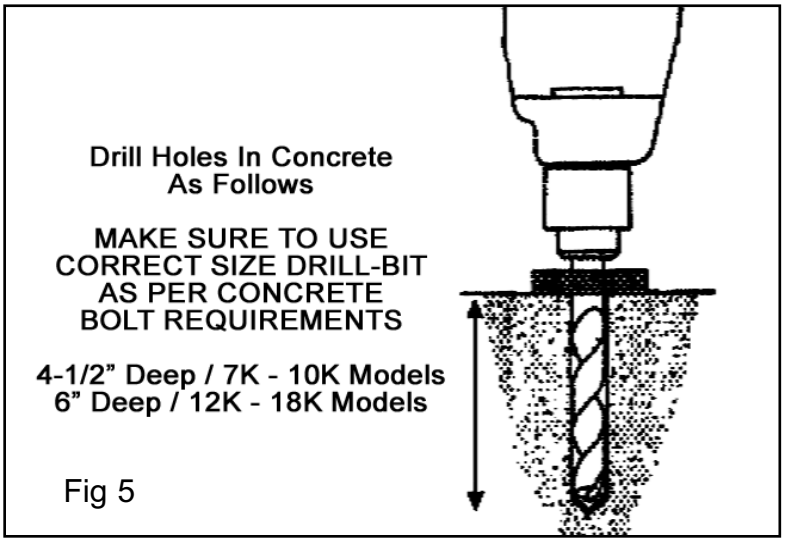
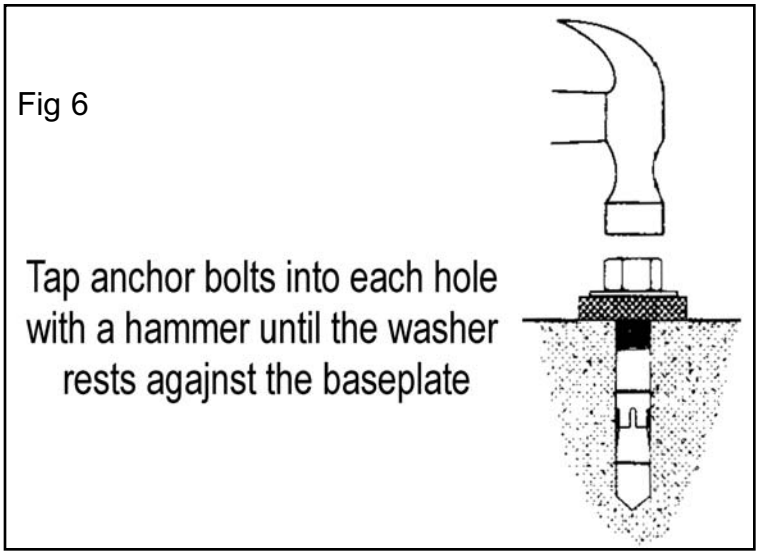


Fig 5

3. After drilling, remove dust thoroughly from each hole making certain that the column remains aligned with the chalk line.

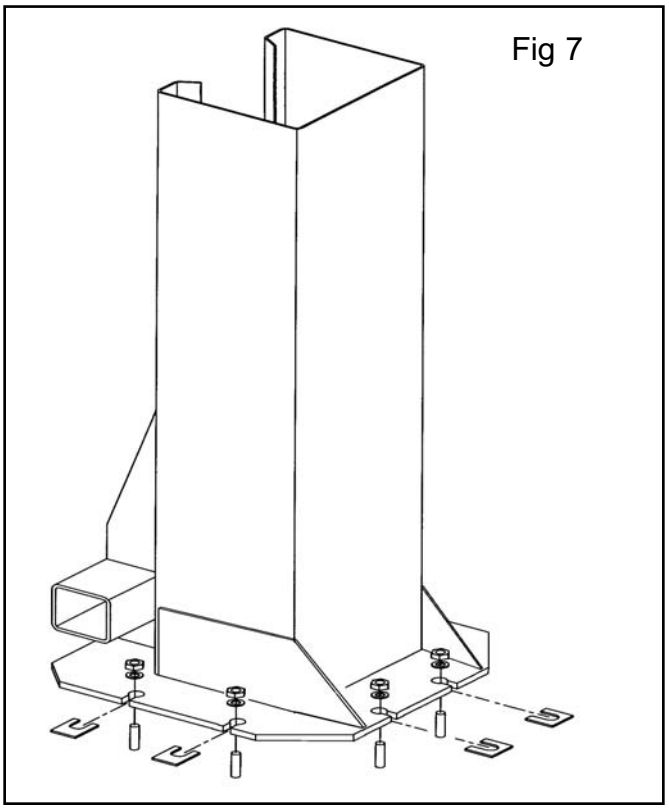
4. Assemble the washers and nuts on the anchors then tap into each hole with a hammer until the washer rests against the baseplate. Be sure that if shimming is required that enough threads are left exposed. (See Fig. 6)

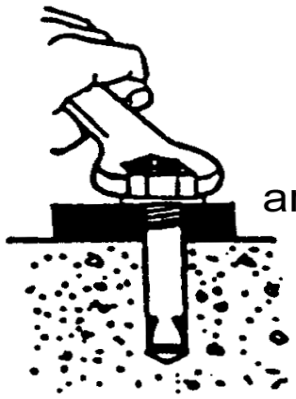
Fig 6



5. If shimming is required, insert the shims as necessary under the baseplate so that when the anchor bolts are tightened, the columns will be plumb. (See Fig. 7)

Fig 7





Tighten nut
2 - 3 full turns.
DO NOT use
an impact wrench.

Fig 8

6. With the shims and anchor bolts in place, tighten by securing the nut to the base then turning 2 - 3 full turns clockwise. DO NOT use an impact wrench for this procedure. (See Fig. 8)

STEP FIVE

(Mounting The OFFSIDE column.)

1. Position the OFFSIDE column at the designated chalk locations and secure to the floor following the same procedures as outlined in STEP FOUR

NOTE:
To ease installation of the top beam, it helps to keep the anchor bolts loose on one of the columns until the top beam is mounted.

STEP SIX

(Mounting the OVERHEAD BEAM.)

1. Remove all of the Equalizer pulleys in preperation of installing the Top Trough assy.

NOTE:
In order to route the equalizer cables the pulleys must be removed

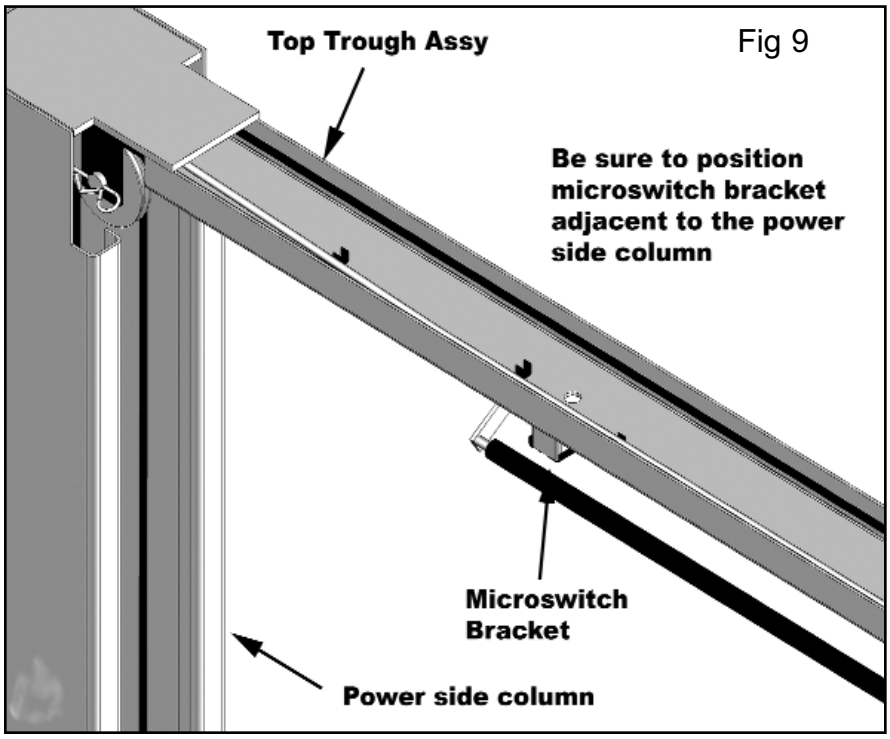


Fig 9

2. Using a lifting devise, raise the OVERHEAD beam into position on top of the columns. Bolt to the columns using the 10 mm Hex Bolts, Nuts and Washers. **YOU MUST** POSITION THE SWITCH ENCLOSURE ADJACENT POWER-SIDE COLUMN. (Fig 9)

Important Note

YOU MUST POSITION THE SWITCH ENCLOSURE ADJACENT POWERSIDE COLUMN

IMPORTANT NOTE:
When installing hydraulic fittings and hoses it is not necessary to use Teflon tape or other sealant.

Teflon tape and other sealing compounds can contaminate the system and cause malfunctioning of lift.

DANGER

ALL WIRING MUST BE PERFORMED BY A CERTIFIED ELECTRICIAN

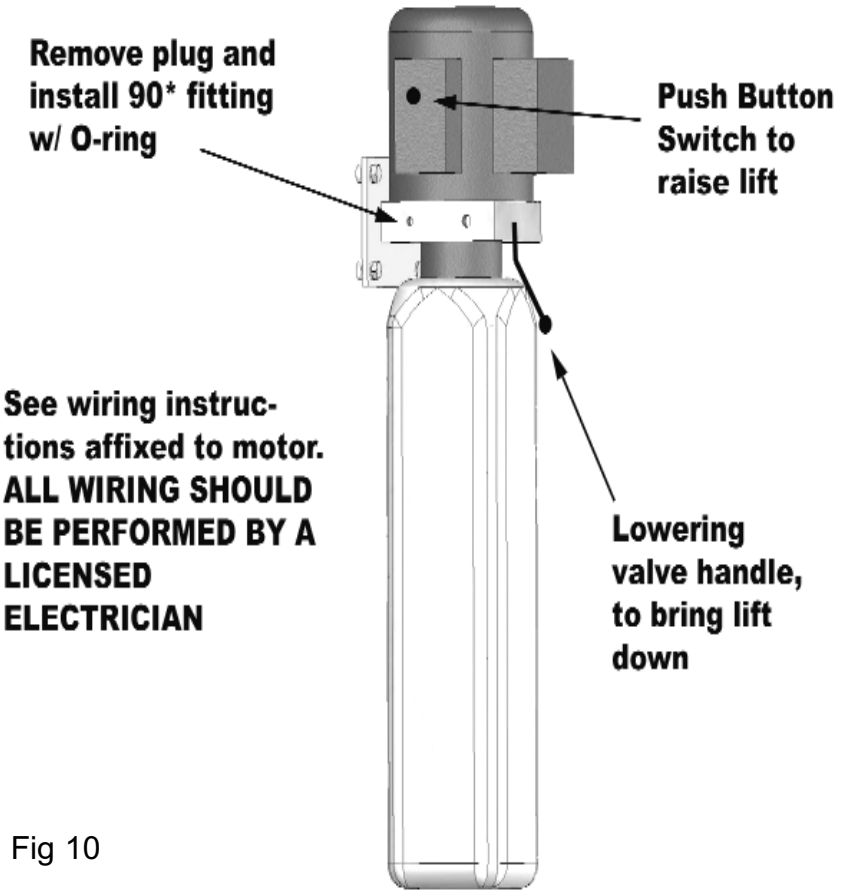


Fig 10

STEP SEVEN

(Mounting The POWER UNIT)

1. Attach the power unit to the POWERSIDE COLUMN using four M8 hex bolts and nuts supplied. **Fill the reservoir with 10 WT. HYDRAULIC OIL OR DEXRON TYPE III ATF,** approximately four gallons**.** Make sure the funnel used to fill the power unit is clean.

2. Remove plug from power unit and install the 90* fitting w/ O-ring into the power port on the power unit. (Fig 10)

3. The standard power unit for your lift is 220 volt, 60HZ, single phase. All wiring must be performed by a certified electrician only. SEE WIRING INSTRUCTIONS AFFIXED TO MOTOR FOR PROPER WIRING INSTRUCTIONS

WARNING

"DO NOT run power unit with no oil. Damage to pump can occur."
"The power unit must be kept dry. Damage to power unit caused by water or other liquids such as detergents, acid etc., is not covered under warranty."
"Improper electrical hook-up can damage motor and will not be covered under warranty."
"Motor can not run on 50HZ without a physical change in motor."
"Use a separate breaker for each power unit."
"Protect each circuit with time delay fuse or circuit breaker."
"For 208-230 volt, single phase, use a 25 amp fuse."
"For 208-230 volt, three phase, use a 20 amp fuse."
"For 380-440 volt, three phase, use a 15 amp fuse.

STEP EIGHT

(Installing the safeties and safety cable)

1. Install safety weldments into each respective post. (Fig 11 & 12)

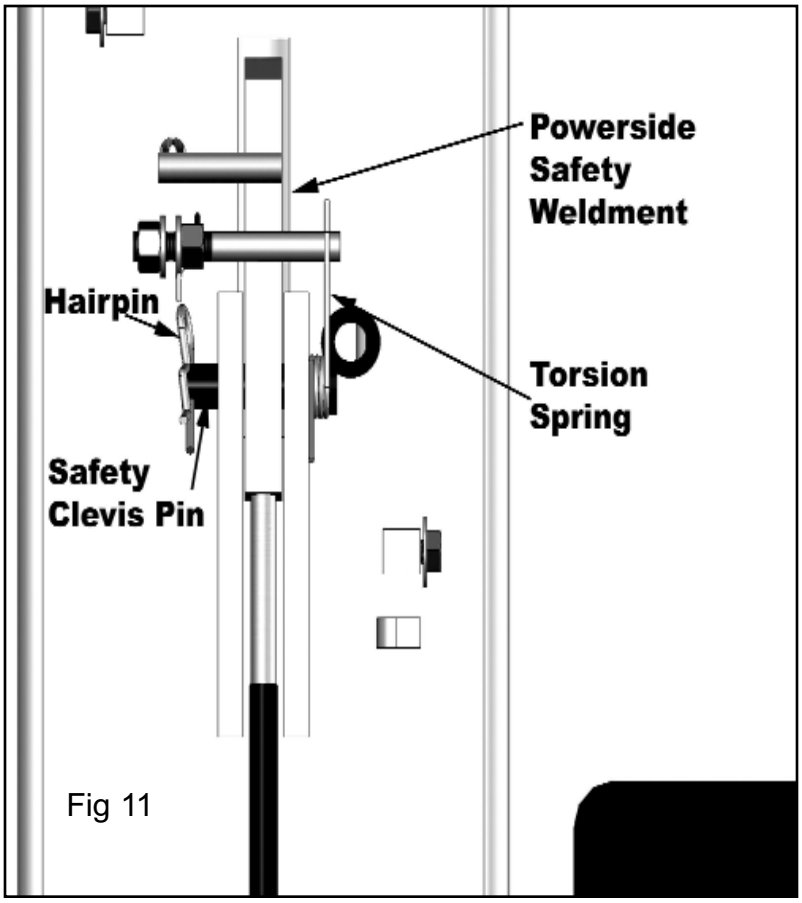


Fig 11

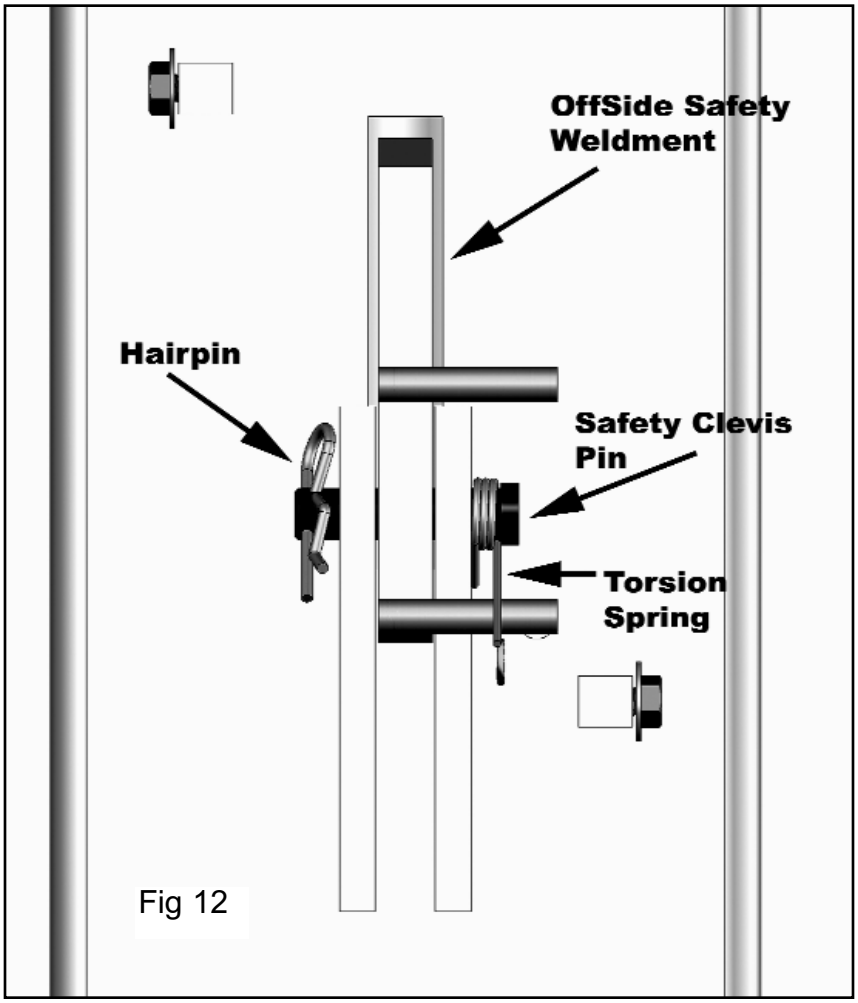


Fig 12

2. From the offside column insert the non looped end of the safety cable through the hole located to the right of the offside safety weldment. (Fig 13)

3.Route the cable under the pulley and take it up to the Top Trough. (Fig 14)

4. Route the cable through the pulley and across the lift. (Fig 15 & 16)

Fig 13

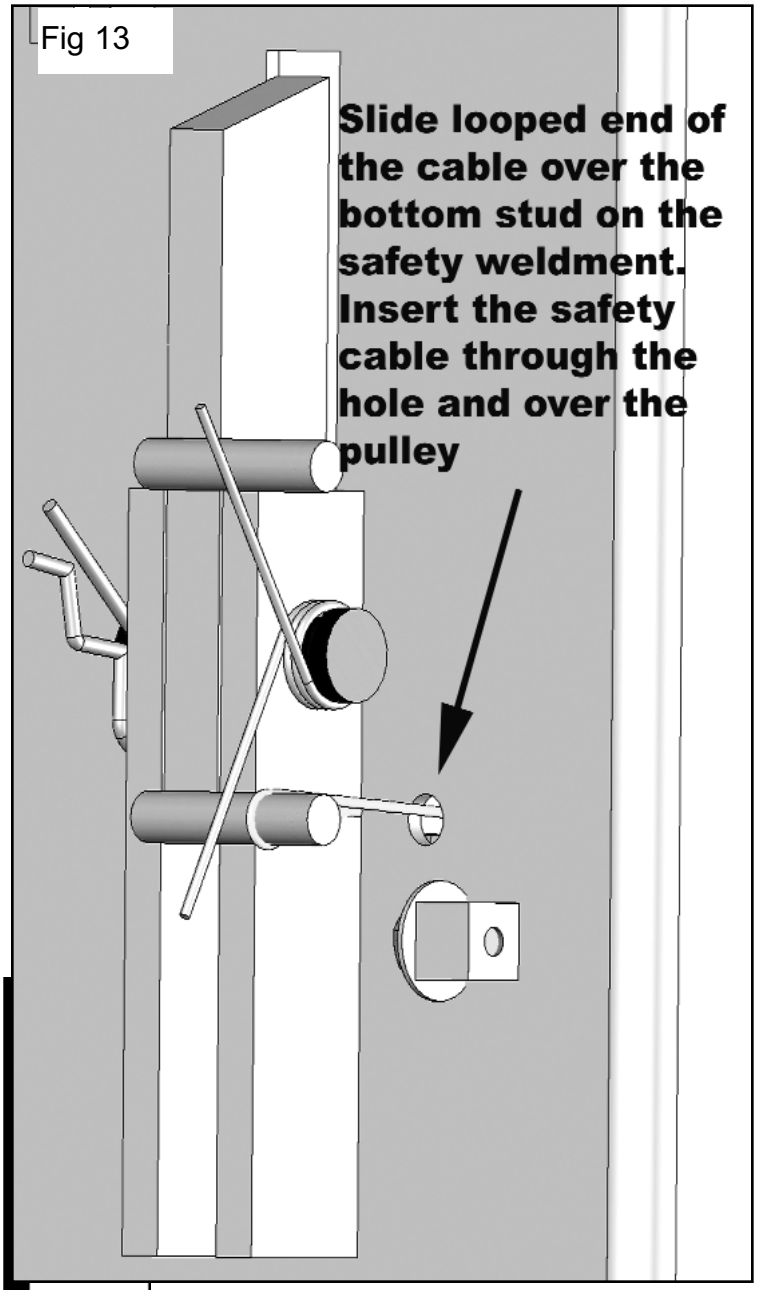
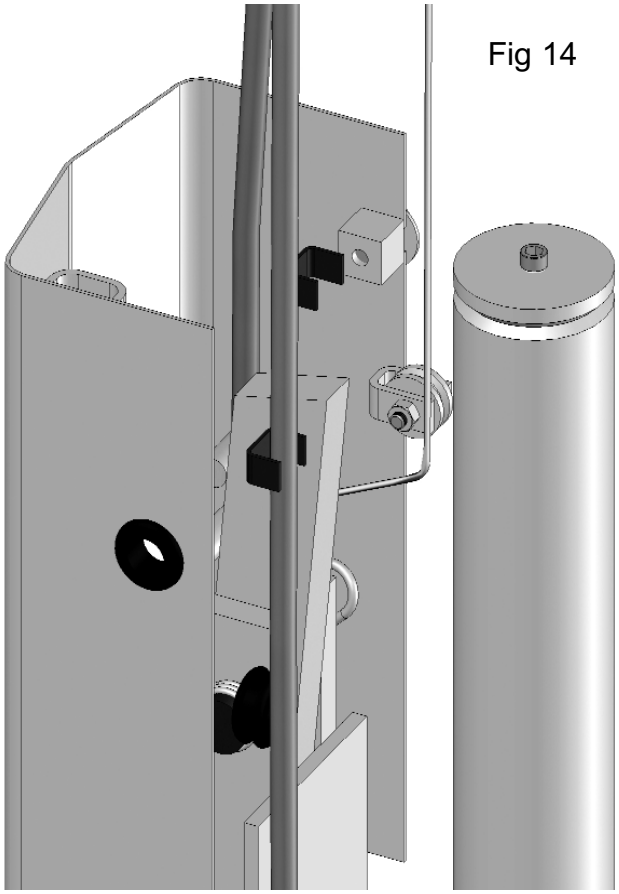


Fig 14



DANGER

ENSURE THAT BOTH THE POWERSIDE AND OFF-SIDE SAFETYS ENGAGE PROPERLY PRIOR TO OPRERATING THE LIFT

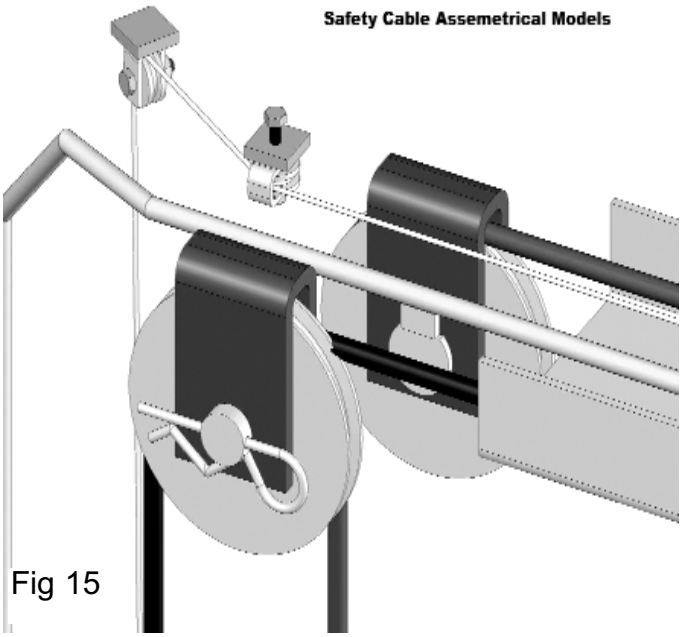


Fig 15

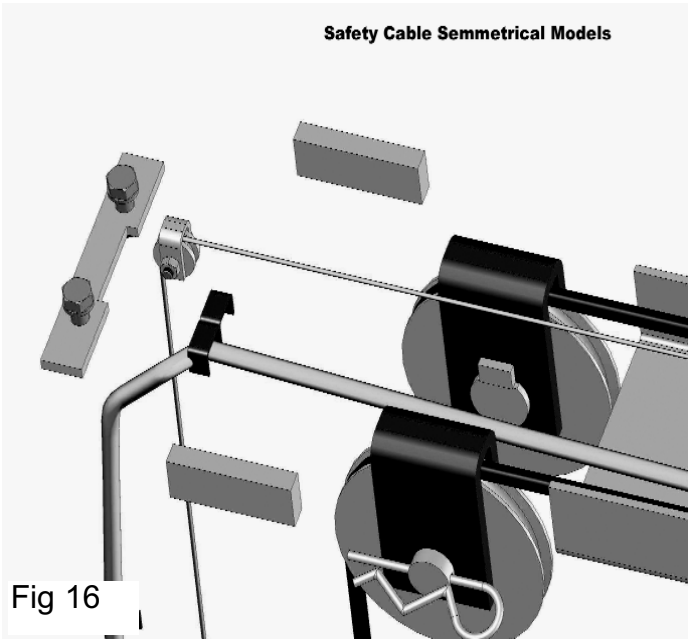


Fig 16

Note:

Assemetrical models have an additional safety pulley to route the cable out of the path of the cylinder

5. Route the cable the same way on the power side going back down the post.

6. Route the cable over the top post on the safety handle. Insert the cable end through the hole on the threaded post

7. Pull the slack out the safety cable and hold tension as the cable is being tightened.. Tighten jam nuts on either side of the cable to secure it into place. (Fig 17)

Make sure to tighten both nuts equally so as to keep the safety cable centered

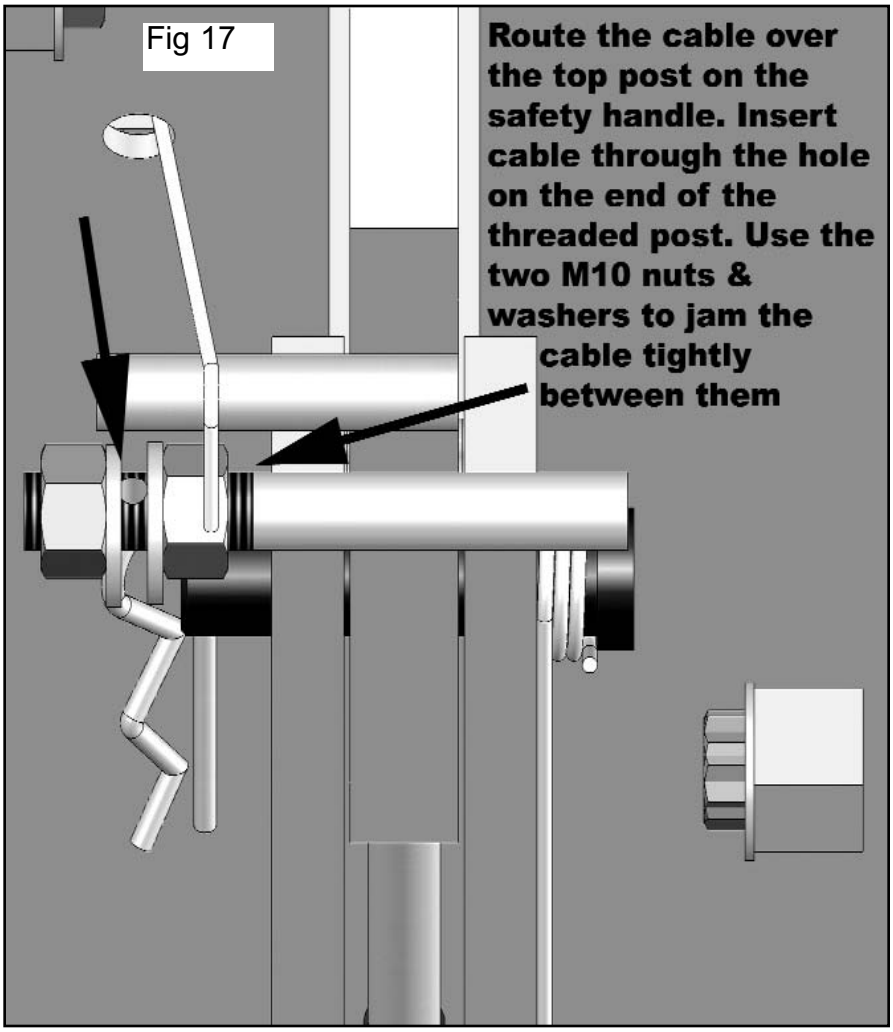


Fig 17

STEP NINE

(Installing The HYDRAULIC LINES.)

1. Install the Bulkhead Tee fitting into the powerside post. The through hole is located approximately 90 inches from the floor on the back wall of the powerside post.

2. Connect the power side cylinder hose to the the tee fitting Be sure to route the hose through the retainer rings inside the columns.

3. Route the offside cylinder hose (crossover hose) up through the post and across the top trough, down the post and connect it to the bulkhead tee fitting.

Fig 18

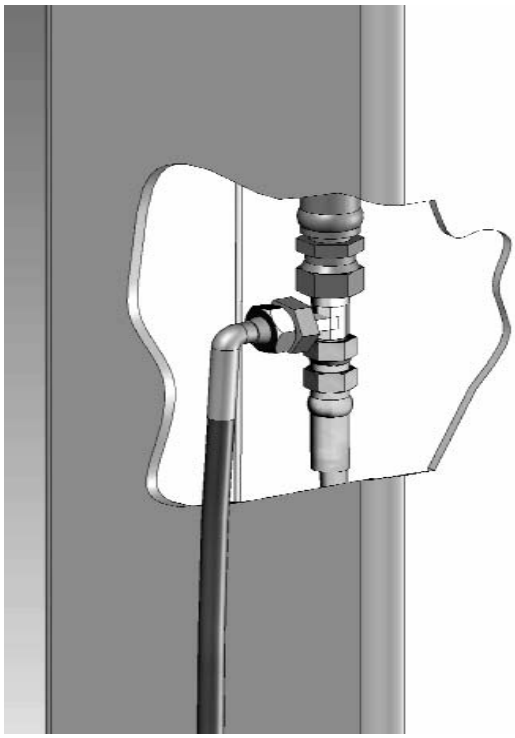


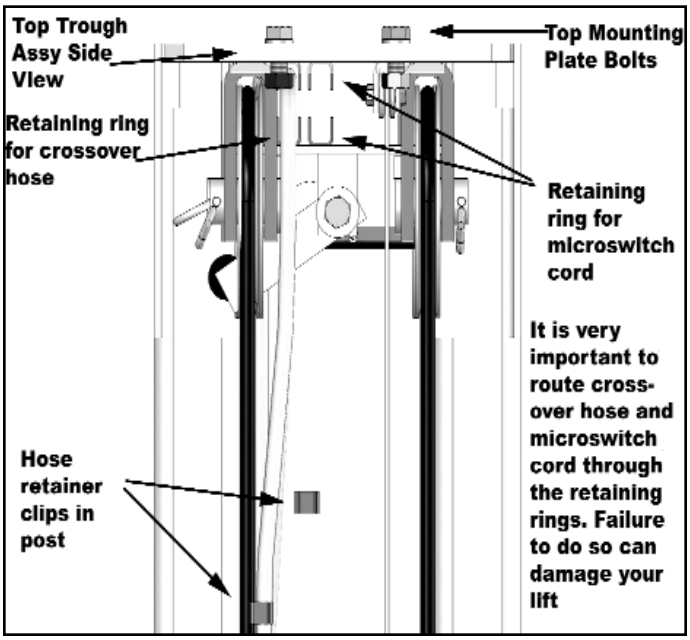
Fig 18

WARNING

NOTE:
When routing the hydraulic hose through the columns, make sure to route through the retaining rings welded inside each column. Make sure that the hose is clear of any moving parts. It may be necessary to tie hose clear by using nylon tie straps or wire.

DANGER

Make sure that the safety locks on each column are fully engaged before attempting to route equalizer cables and/or hoses. Carriages must be equal height from the floor before proceeding

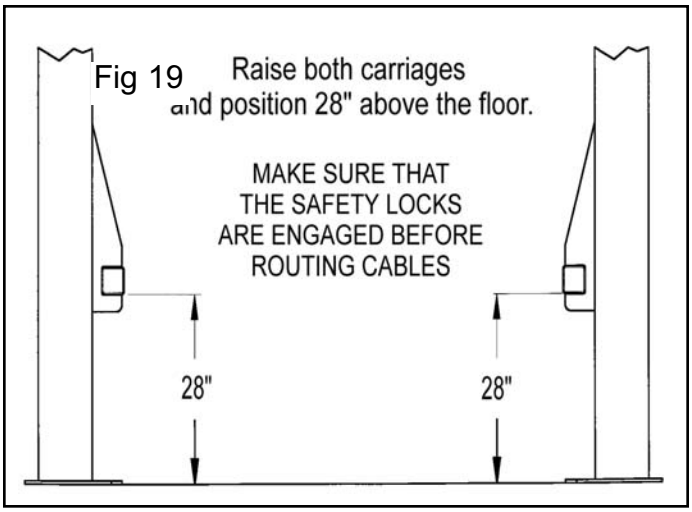


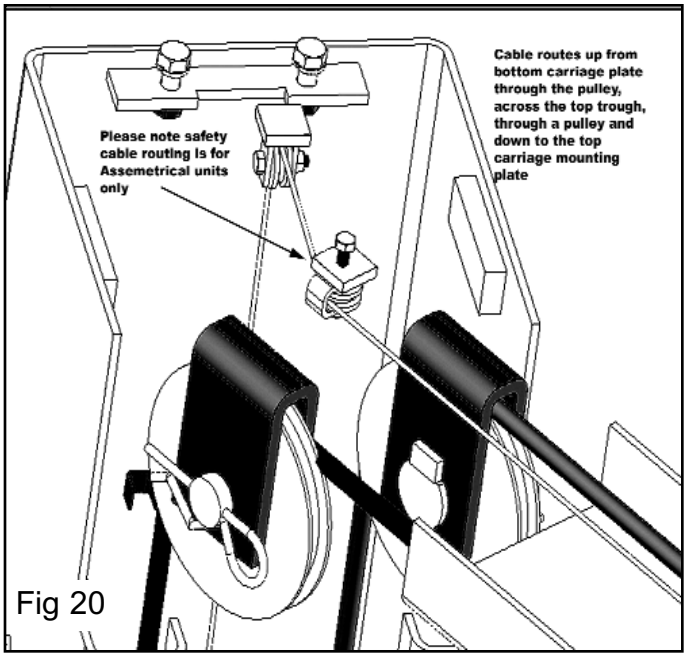
STEP TEN

(Routing The EQUALIZER CABLES)

1. Raise and lock each carriage approximately 28” above the ground. See Fig. 19
Make sure that the safety locks on each column are fully engaged before attempting to route equalizer cables and/or hoses. Carriages must be equal height from the floor before proceeding.

2. With the carriages in equal position from the floor, route the equalizer cables. If you have already routed them in the post as stated in step 3. Remove the pulley and route the cable around the pulley and reinstall it.

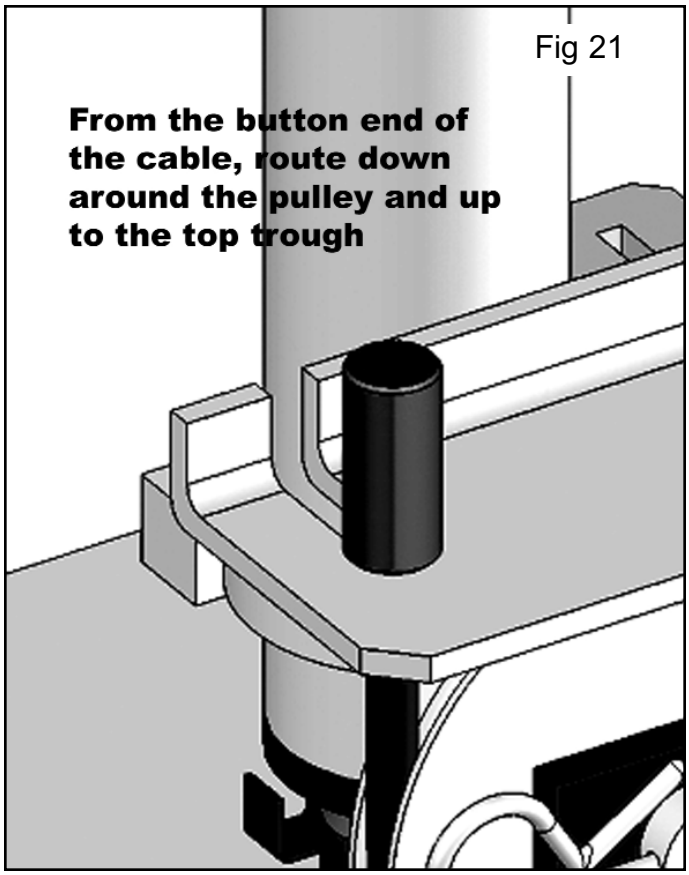


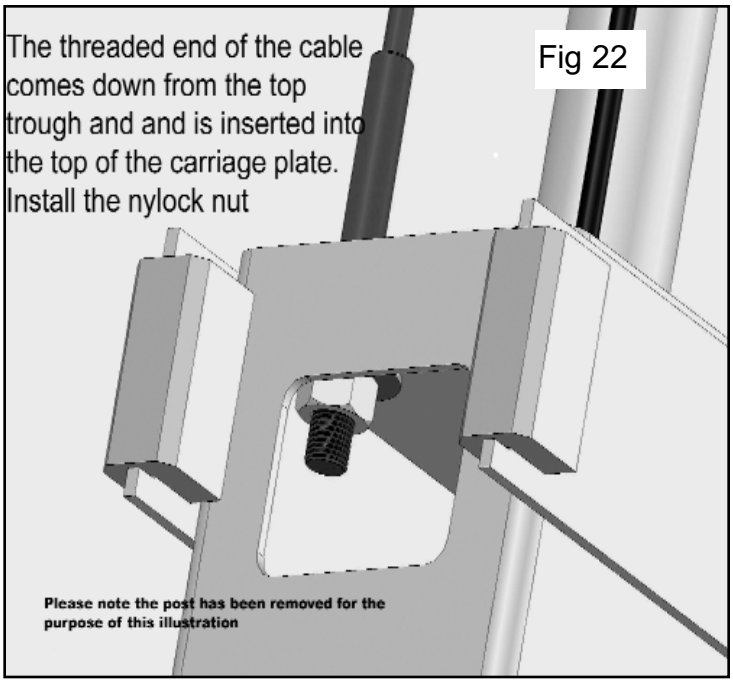


3.Take the cable across the top trough, remove the pulley, route the cable around the puley and reinstall it.

4. Insert the threaded end of the cable through the hole on top of the carriage put on the equalizer cable nylock nut.

5. Route the other cable the same way.

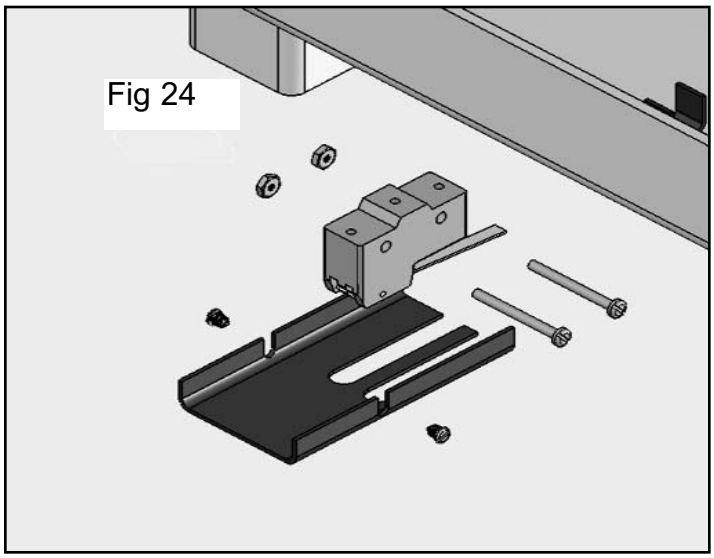


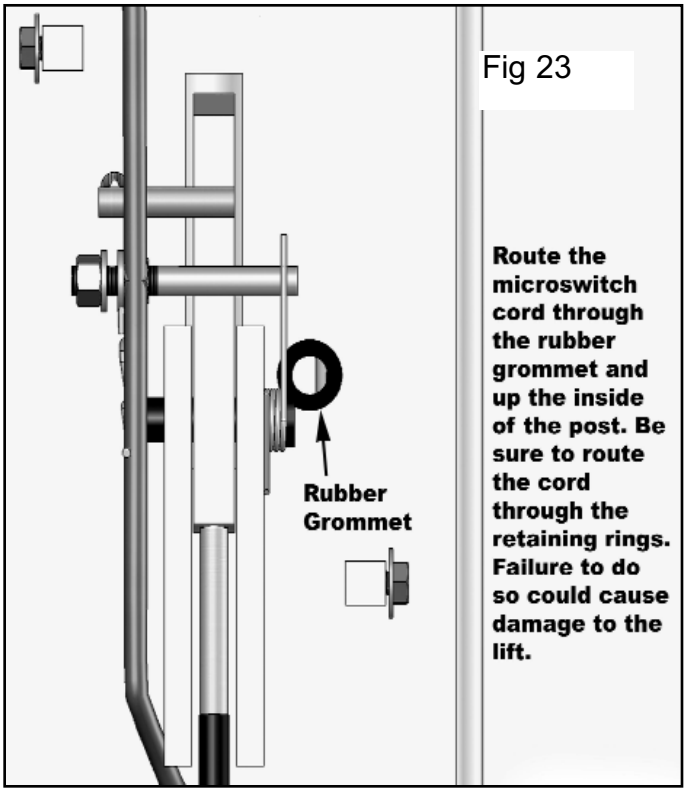


STEP ELEVEN

(Installing Overhead MICRO SWITCH.)

1. Install the overhead Micro Switch as shown below. Be sure to keep wire clear of moving parts. WIRING MUST BE PERFORMED BY A CERTIFIED ELECTRICIAN. Fig 23 & 24

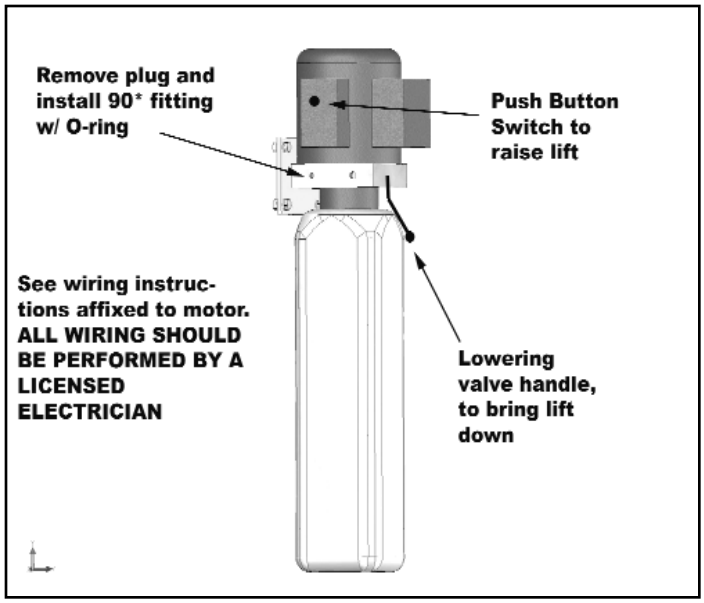




STEP TWELVE

(Power Unit Installation and Start-Up.)

1. The standard power unit for your lift is 220 volt, 60HZ, single phase. All wiring must be performed by a certified electrician only. SEE WIRING INSTRUCTIONS AFFIXED TO MOTOR FOR PROPER WIRING INSTRUCTIONS.



WARNING

IMPORTANT POWER-UNIT INSTALLATION NOTES

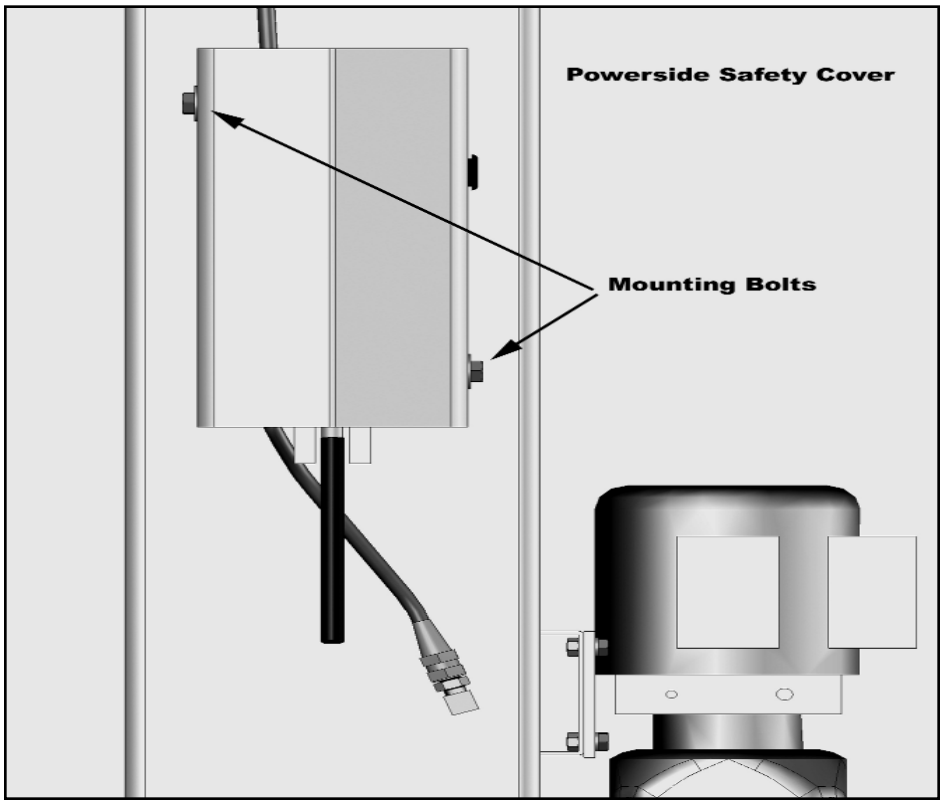
- DO NOT run power unit with no oil. Damage to pump can occur.
- The power unit must be kept dry. Damage to power unit caused by water or other liquids such as detergents, acid etc., is not covered under warranty.
- Improper electrical hook-up can damage motor and will not be covered under warranty.
- Motor can not run on 50HZ without a physical change in motor.
- Use a separate breaker for each power unit.
- Protect each circuit with time delay fuse or circuit breaker.
- For 208-230 volt, single phase, use a 25 amp fuse.
- For 208-230 volt, three phase, use a 20 amp fuse.
- For 380-440 volt, three phase, use a 15 amp fuse.

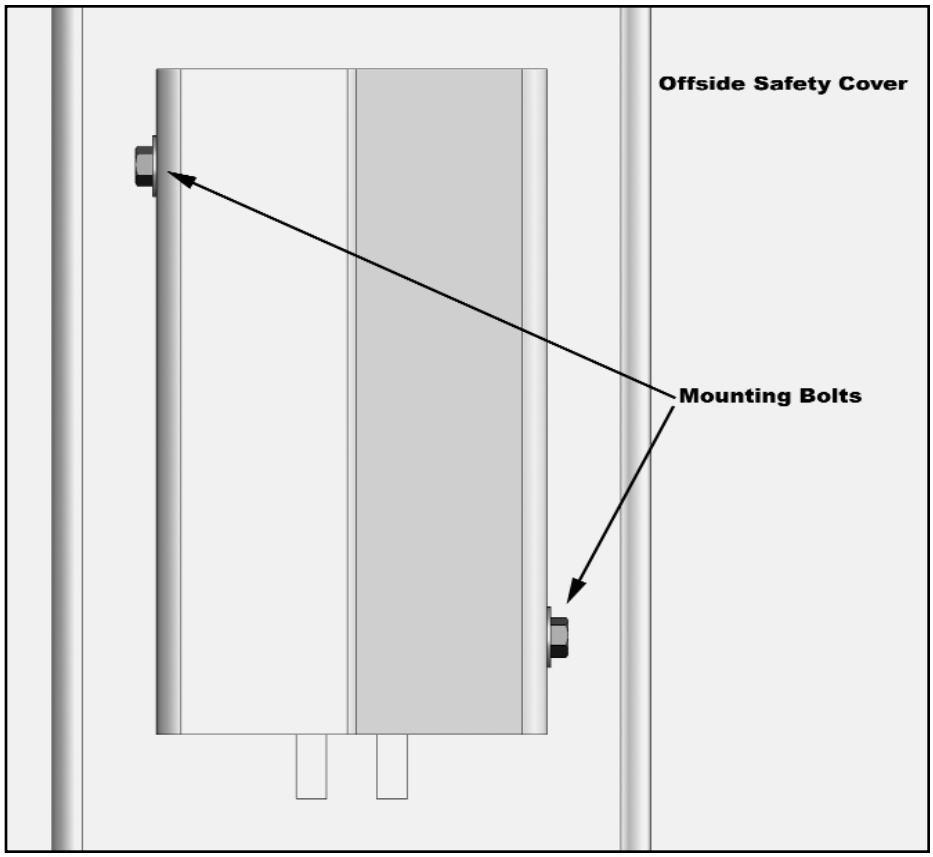
installation and adjustment. DO NOT attempt to raise vehicle until a thorough operation check has been completed.

STEP THIRTEEN

(Installation Of SAFETY COVER.)

1. After safeties have been adjusted and checked for proper operation, install the two cover plates as shown below. (See Fig. 24 & 25)





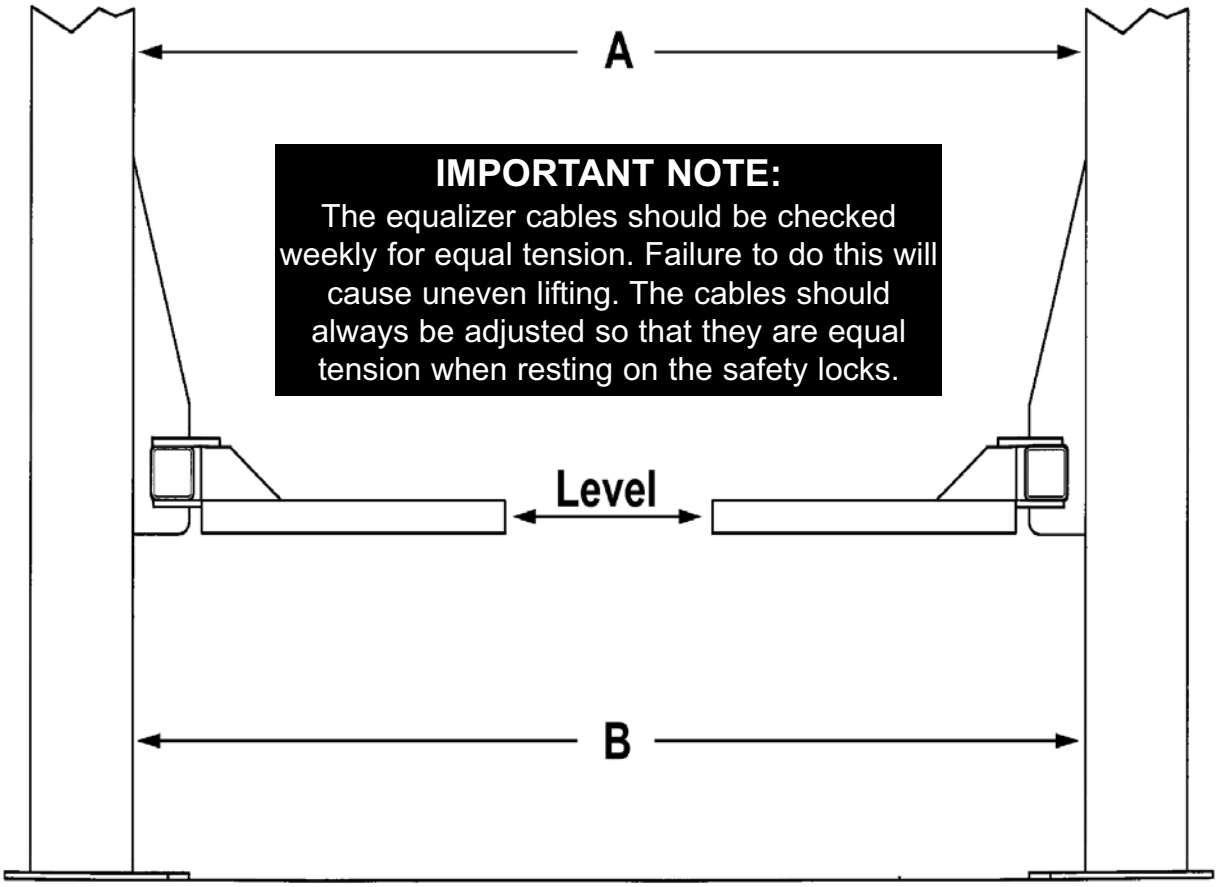
⚠ WARNING

IMPORTANT LEVELING INSTRUCTIONS

Before operating your lift, check to make sure that both "A" and "B" measurements are EQUAL.

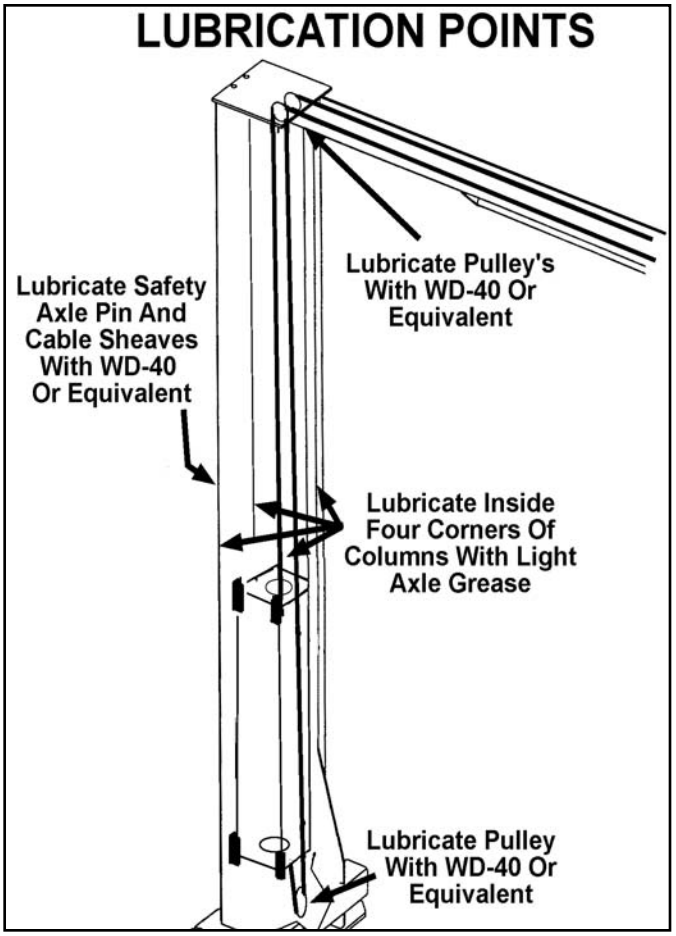
The swing arms must be level before operation.

If your swing arms are not level shim the columns as required.



LUBRICATION

1. After installation and start up as been completed, lubricate lift components as described below. (See Fig. 26)



START-UP AND BLEEDING

1. After electrical power is connected and oil reservoir is full press button to raise lift. Cylinders may “jump” upon initial start up which is normal.

2. Continue raising until lift cylinders bottom out at full height. DO NOT continue pressing button after lift reaches full height. Damage to motor can occur if continued.

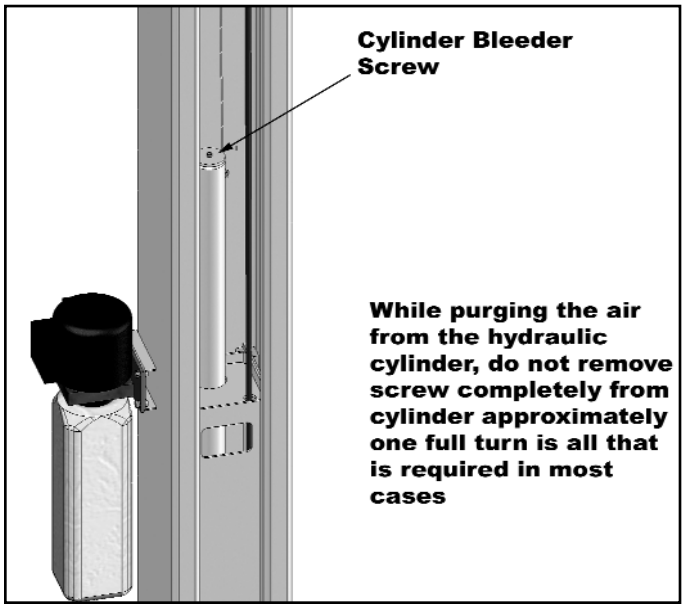
3. Lower the lift only HALF WAY by pressing the SAFETY RELEASE handle inward then pressing in the DOWN lever on power unit.

4. With the lift at half height, slowly loosen the BLEED SCREWS located at the top of each cylinder (Fig 27) to bleed trapped air. DO NOT completely remove bleed screws. Retighten after trapped air has escaped.

5. Lower the lift completely by pressing the SAFETY RELEASE handle inward then pressing the DOWN lever on power unit and repeat bleeding process one additional time.

BE AWARE!

During the START-UP procedure, observe all operating components and check for proper installation and adjustment. DO NOT attempt to raise vehicle until a thorough operational check has been completed.



DANGER

RISK OF EXPLOSION!! This equipment has internal arcing or sparking parts which should not be exposed to flammable vapors.

TO RAISE LIFT

- ✔ Read Operating and Safety manuals before using lift.
- ✔ Always lift a vehicle according to the manufacturers recommended lifting points.
- ✔ Position vehicle between columns.
- ✔ Adjust swing arms so that the vehicle is positioned with the center of gravity midway between pads.
- ✔ Use truck adapters as needed. Never exceed 9" of pad height.
- ✔ Raise lift by depressing button until supports contact underside of the vehicle. Recheck to make sure vehicle is secure.
- ✔ Raise vehicle to desired working height. Lower vehicle into nearest safety.
- ✔ Always ensure safeties are engaged before any attempt is made to work on or near vehicle.

TO LOWER THE LIFT

- ✔ First, raise the lift to clear the clear safeties.
- ✔ Raise safeties by pulling handles on each column.
- ✔ Be sure tool trays, stands or personnel are removed from under vehicle.
- ✔ Lower vehicle by activating lowering handle.
- ✔ Before removing vehicle from lift area, position lift arms and supports to provide an unobstructed exit.
- ✔ **NEVER**, drive over lift arms.

REQUIRED MONTHLY MAINTENANCE

- ✔ Check arm restraints for proper operation.
- ✔ Check all chain/cable connections, bolts and pins to insure proper mounting.
- ✔ Visually inspect safeties for proper operation.
- ✔ Lubricate columns with grease.
- ✔ Inspect all anchor bolts and retighten if necessary.
- ✔ Check columns for squareness and plumb.
- ✔ Inspect all arm pivot pins making sure they are properly secured.
- ✔ Check equalizer cable tension, adjust if necessary.
- ✔ Inspect all lift pads, replace if necessary.
- ✔ If lift is equipped with overhead cut-off switch, check for proper operation.

WARNING

1. **WARNING:** If cement anchor bolts are loose, or any component of the lift is found to be defective, ***DO NOT USE LIFT!***
2. Never operate the lift with any person or equipment below.
3. Never exceed rated capacity.
4. Always insure safeties are engaged before any attempt is made to work on or near vehicle.
5. Never leave lift in an elevated position unless the safeties are engaged.
6. Do not permit electric motor to get wet! Motor damage caused by dampness is not covered under warranty.

NEVER LIFT ANY VEHICLE IN ANY MANNER WITH LESS THAN FOUR (4) ARMS. RATED CAPACITY OF EACH LIFT ARM IS NO GREATER THAN ONE FOURTH (1/4) OF THE OVERALL LIFTING CAPACITY.

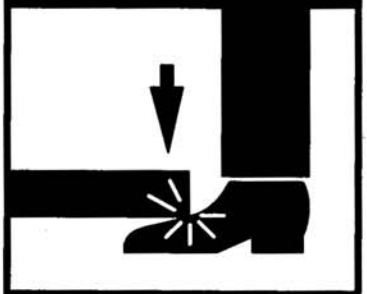
Clear area if vehicle is in danger of falling. ©

Position vehicle with center of gravity midway between adapters. ©

Remain clear of lift when raising or lowering vehicle. ©

Avoid excessive rocking of vehicle while on lift. ©

Do not override self-closing lift controls. ©



Keep feet clear of lift while lowering. ©

The messages and pictographs shown are generic in nature and are meant to generally represent hazards common to all automotive lifts regardless of specific style.

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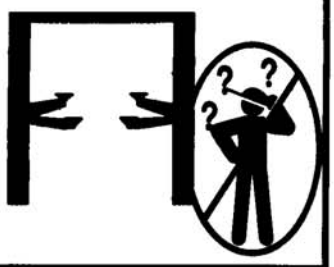
⚠ CAUTION

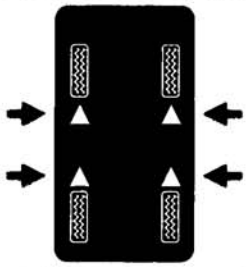


Lift to be used by trained operator only. ©

⚠ CAUTION

Authorized personnel only in lift area. ©

⚠ CAUTION

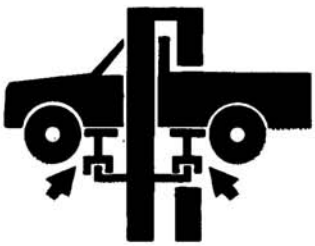


Use vehicle manufacturer's lift points. ©

⚠ CAUTION

Always use safety stands when removing or installing heavy components. ©

⚠ CAUTION



Use height extenders when necessary to ensure good contact. ©

⚠ CAUTION

Auxiliary adapters may reduce load capacity. ©

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Utility Air-Electric Workstation

Utility Station may be mounted on the vertical column of the lift or on a wall.
IMPORTANT: Check State or Local codes for any height requirements for the electrical outlets before mounting.

To mount the Utility Station on a Lift Column, use the Box as a template, mark and drill 11/32" diameter holes. Use 5/16" diameter bolts and lock nuts to secure to the side of the lift.

IMPORTANT: The hole locations are critical to avoid interference with the carriage slide blocks.

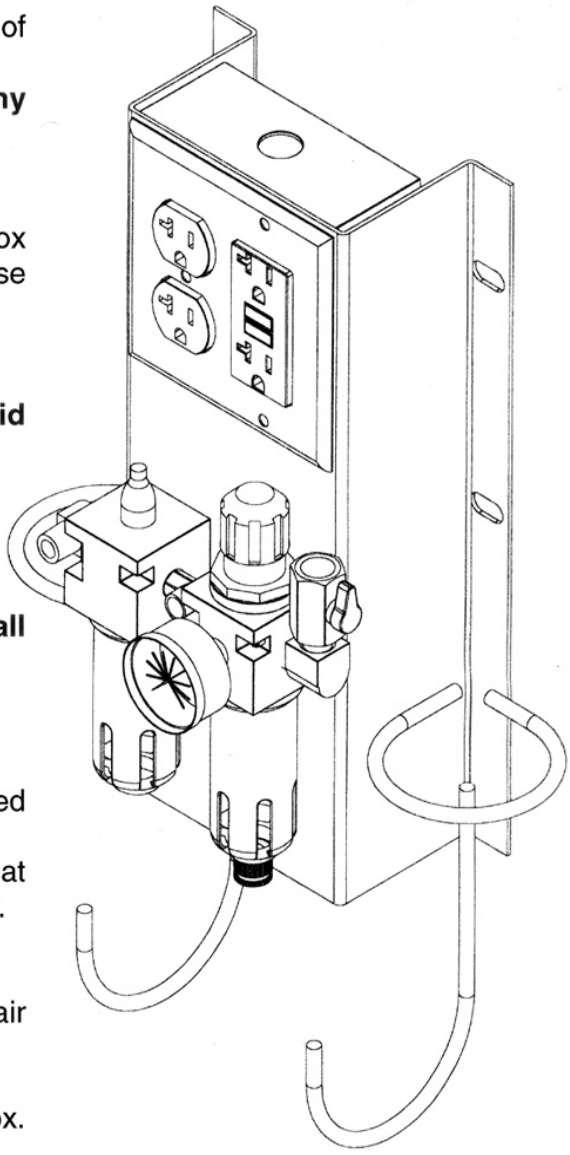
For Wall mounting , mount in the same fashion, use appropriate hardware for either sheet rock or concrete.

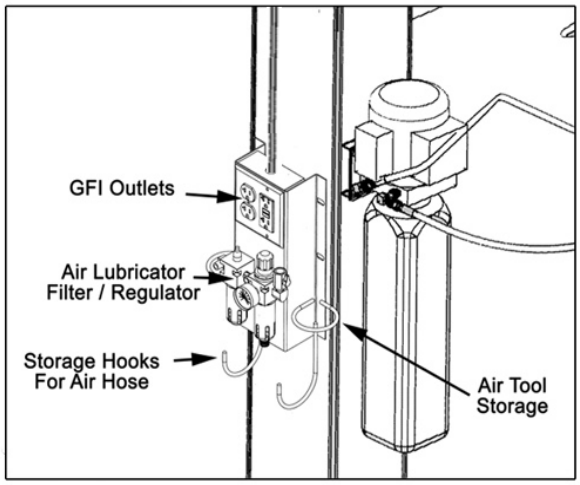
IMPORTANT: All electrical wiring shall comply with all State and Local Codes.

Connect electrical wiring to single phase, 60Hz 115 volt electrical supply using suitable conduit (not supplied). The duplex receptacle must be connected through the GFCI with the input line to the box connected to a circuit breaker or time delay fuse rated at 20 amps. Both receptacles must be grounded to the box.

Connect main air supply to 1/4" ball valve inlet on the Utility Station (Run 1/2" line from compressor or main air system to Utility Station.)

Install Quick Couplers to the 1/4" male fittings on the box. The air supply between the filter and the lubricator will be non-lubricated, used for tire inflation or blowing off. The air outlet on the left side will be lubricated for air tool use.





Regulator Instructions

- Regulate pressure by raising the knob, then turning clockwise to increase and counterclockwise to decrease. Push knob down to lock setting.
- Adjust the oil mist using the screwdriver slot located on top of the lubricator.
- To fill the lubricator, first depressurize the air system, remove the slotted screw plug in the body. Replace the screw before repressurizing.

OPERATION

To Raise Lift;

♦ Position vehicle tires in the center of each runway.

♦ Set parking brake or use wheel chock to hold vehicle in position.

♦ Before raising vehicle, be sure all personnel are clear of the lift and surrounding area. Pay careful attention to overhead clearances.

♦ Raise the lift to the desired height by pressing the push button on the power unit.

♦ After vehicle is raised to the desired height, **lower the lift onto the nearest safety lock.** Do not allow cables to become slack. **ALWAYS INSURE SAFETY LOCKS ARE ENGAGED** before entering work area.

♦ Check to make sure all four safeties are engaged on the SAME safety lock position BEFORE ENTERING work area.

To Lower Lift;

♦ Raise the lift off the safety locks by pressing the push button on the power unit. Make sure you raise the lift by at least two inches to allow adequate clearance for the locks to clear.

♦ Press the push button air safety valve and HOLD.

♦ Push the LOWERING HANDLE on the power unit until the lift has descended completely.

WEEKLY MAINTENANCE

♦ Lubricate all rollers with general purpose oil or WD-40.

♦ Check all cable connections, bolts and pins to insure proper mounting.

♦ Lubricate safety lock pivot points with general purpose oil or WD-40.

MONTHLY MAINTENANCE

♦ Check safety locks to insure they are in good operating condition.

♦ Check all cables for excessive signs of wear

♦ Make a visual inspection of ALL MOVING PARTS and check for excessive signs of wear

♦ Replace ALL FAULTY PARTS before lift is put back into operation.

♦ **NEVER EXCEED THE RATED CAPACITY** of lift.

♦ **DO NOT USE LIFT** if any component is found to be defective or worn.

♦ **NEVER OPERATE LIFT** with any person or equipment below.

♦ **ALWAYS STAND CLEAR** of lift when lowering or raising.

♦ **ALWAYS INSURE SAFETY LOCKS ARE ENGAGED** before entering work area.

♦ **NEVER LEAVE LIFT IN ELEVATED CONDITION** unless all four safety locks are engaged.

When lowering the lift PAY CAREFUL ATTENTION that all personnel and objects are kept clear. ALWAYS keep a visual line of site on the lift AT ALL TIMES. ALWAYS make sure that all FOUR LOCKS are disengaged. If one of the locks inadvertently locks on descent the lift and/or vehicle may disrupt causing personal injury or death.

This instruction manual has been prepared especially for you. Your new lift is the product of over 40 years of continuous research, testing and development and is the most technically advanced lift on the market today.

RECORD HERE THE FOLLOWING INFORMATION WHICH IS LOCATED ON THE SERIAL NUMBER DATA PLATE

LIFT WILL NOT RAISE

POSSIBLE CAUSE

1. Air in oil, (1,2,8,13)
2. Cylinder binding, (9)
3. Cylinder leaks internally, (9)
4. Motor run backward under pressure, (11)
5. Lowering valve leaks, (3,4,6,10,11)
6. Motor runs backwards, (7,14,11)
7. Pump damaged, (10,11)
8. Pump won't prime, (1,8,13,14,3,12,10,11)
9. Relief valve leaks, (10,11)
10. Voltage to motor incorrect, (7,14,11)

REMEDY	***INSTRUCTION***
1. Check for proper oil level	The oil level should be up to the bleed screw in the reservoir with the lift all the way down.
2. Bleed cylinders	See Installation Manual
3. Flush- Release valve to get rid of possible contamination.	Hold release handle down and start unit allowing it to run for 15 seconds.
4. Dirty oil	Replace oil with clean Dexron ATF
5. Tighten all fasteners	Tighten fasteners to recommended torques.
6. Check for free movement of release	If handle does not move freely, replace bracket or handle assembly.
7. Check motor is wired correctly.	Compare wiring of motor to electrical diagram on drawing.
8. Oil seal damaged or cocked	Replace oil seal around pump shaft.
9. See Installation Manual	Consult Lift Manufacturer
10. Replace with new part	Replace with new part
11. Return unit for repair	Return unit for repair
12. Check pump-mounting bolts	Bolts should be 15 to 18 ft. lbs.
13. Inlet screen clogged	Clean inlet screen or replace
14. Check wall outlet voltages and wiring	Make sure unit and wall outlet are wired properly.

MOTOR WILL NOT RUN

POSSIBLE CAUSE
1. Fuse blown, (5,2,1,3,4)
2. Limit switch burned out, (1,2,3,4)
3. Microswitch burned out, (1,2,3,4)
4. Motor burned out, (1,2,3,4,6)
5. Voltage to motor incorrect, (2,1,8)

REMEDY	***INSTRUCTION***
1. Check for correct voltage	Compare supply voltage with voltage on motor nametag. Check that the wire is sized correctly. N.E.C. table 310-12 requires AWG 10 for 25 Amps.
2. Check motor is wired correctly	Compare wiring of motor to electrical diagram on drawing.
3. Don't use extension cords	According to N.E.C. : " The size of the conductors…should be such that the voltage drop would not exceed 3% to the farthest outlet for power…" Do not run motor at 115 VAC – damage to the motor will occur.
4. Replace with new part	Replace with new part
5. Reset circuit breaker/fuse	Reset circuit breaker/fuse
6. Return unit for repair	Return unit for repair
7. See Installation Manual	See Installation Manual
8. Check wall outlet voltage and wiring	Make sure unit and wall outlet is wired properly. Motor must run at 208/230 VAC.

LIFT LOWERS SLOWLY OR NOT AT ALL

POSSIBLE CAUSE
1. Cylinders binding, (1)
2. Release valve clogged, (5,4,2,3)
3. Pressure fitting too long, (6)

REMEDY	***INSTRUCTION***
1. See Installation Manual	Consult Lift Manufacturer
2. Replace with new part	Replace with new part
3. Return for repair	Return for repair
4. Check oil	Use clean 10-WT hydraulic oil or Dexron-III automatic transmission fluid only. If ATF is contaminated, replace with clean ATF and clean entire system.
5. Clean release valve	Wash release valve in solvent and blow out with air.
6. Replace fitting with short thread lead	Replace fitting with short thread lead

WILL NOT RAISE LOADED LIFT

POSSIBLE CAUSE

1. Air in oil, (1,2,3,4)
2. Cylinder binding, (5)
3. Cylinder leaks internally, (5)
4. Lift overloaded, (6,5)
5. Lowering valve leaks, (7,8,1,5,9)
6. Motor runs backwards, (10,12,9)
7. Pump damaged, (5,9)
8. Pump won't prime, (1,2,3,4,5,11,9)
9. Relief valve leaks, (8,5,9)
10. Voltage to motor incorrect, (10,12,5)

REMEDY	***INSTRUCTION***
1. Check oil level	The oil level should be up to the bleed screw in the reservoir with the lift all the way down.]
2. Check/Tighten inlet tubes	Replace inlet hose assembly.
3. Oil seal damaged or cocked	Replace oil seal and install
4. Bleed cylinders	See Installation Manual
5. See Installation Manual	Consult Lift Manufacturer
6. Check vehicle weight	Compare weight of vehicle to weight limit of the lift.
7. Flush release valve	Hold release handle down and start unit allowing it to run for 15 seconds.
8. Replace with new part	Replace with new part
9. Return unit for repair	Return unit for repair
10. Check motor is wired correctly	Compare wiring of motor to electrical diagram on unit drawing
11. Inlet screen clogged	Clean inlet screen or replace.
12. Check wall outlet voltage and wiring	Make sure unit and wall outlet is wired properly.

LIFT WILL NOT STAY UP

POSSIBLE CAUSE

1. Air in oil, (1,2,3)
2. Check valve leaks, (6)
3. Cylinders leak internally, (7)
4. Lowering valve leaks, (4,5,1,7,6)
5. Leaking fittings, (8)

REMEDY	***INSTRUCTION***
1. Check oil level	The oil level should be up to the bleed screw in the reservoir with the lift all the way down.
2. Oil seal damaged and cocked	Replaced oil seal around pump shaft.
3. Bleed cylinder	Refer to Installation Manual
4. Flush release valve	Hold release handle down and start unit allowing it to run for 15 seconds.
5. Replace with new valve	Replace with new valve
6. Return unit for repair	Return unit for repair
7. See Installation Manual	Consult Lift Manufacturer
8. Check complete hydraulic system for leaks	

Safe Lift Operation

Automotive and truck lifts are critical to the operation and profitability of your business. The safe use of this and other lifts in your shop is critical in preventing employee injuries and damage to customer's vehicles. By operating lifts safely you can insure that your shop is profitable, productive and safe.

Safe operation of automotive lifts requires that only trained employees should be allowed to use the lift.

TRAINING SHOULD INCLUDE, BUT NOT LIMITED TO:

- Proper positioning of the vehicle on the runway. (See manufacturers minimize wheel base loading requirements.)
- Use of the operating controls.
- Understanding the lift capacity.
- Proper use of jack stands or other load supporting devices.
- Proper use, understanding and visiual identification of safety lock devices and their operation.
- Reviewing the safety rules.
- Proper housekeeping procedures (lift area should be free of grease, oil, tools, equipment, trash, and other debris)
- A daily inspection of the lift should be completed prior to its use. Safety devices, operating controls, lift arms and other critical parts should be inspected prior to using the lift.
- All maintenance and repairs of the lift should be completed by following the manufacturer's requirements. Lift repair parts should meet or exceed OEM specifications. Repairs should only be completed by a qualified lift technician.
- The vehicle manufacturer's recommendations should be used for spotting and lifting the vehicle.

LIFT OPERATION SAFETY

- It is important that you know the load limit. Be careful that you do not overload the lift . If you are unsure what the load limit is, check the data plate found on one of the lift columns or contact the manufacturer.
- The center of gravity should be followed closely to what the manufacturer recommends.
- Always make sure you have proper overhead clearance. Additionally, check that attachments, (vehicle signs, campers antennas, etc.) are not in the way.
- Be sure that prior to the vehicle being raised, the doors, trunk, and hood are closed securely
- Prior to being raised, make sure there is no one standing closer than six feet from the lift
- After positioning the vheice obn the lift runways, set the emregecny brake, make sure the ignition is off, the doors are closed, overhead obstructions are cleared, and the transmission is in neutral.
- Double check that the automatic chock devices are in position and then when the lift is raised, observe the chocks
- Put pads or adaptors in the right position under the contact points that have been recommended
- The lift should be raised just until the vehicle's wheels are about one foot off the ground. If contact with the vehicle is uneven or it appears that the vehicle is not sitting secure, carefully lower the lift and readjust.
- Always consider potential problems that might cause a vehicle to slip, i.e., heavy cargo, undercoating, etc.
- Pay attention when walking under a vehicle that is up on the hydraulic lift.

♦ **DO NOT** Leave the controls while the lift is still in motion.

♦ **DO NOT** stand directly in front of the vehicle or in the bay when vehcile is being loaded or driven into position.

♦ **DO NOT** Go near vehicle or attmpet to work on the vehicle when being raised or lowered. **REMAIN CLEAR** of lift when raising or lowering vehicle.

♦ **DO NOT** rock the vehicle while on the lift or remove any heavy compnentn from cvhecile that mya casue excessive weight shift.

♦ **DO NOT** lower the vehicle until people, materials, and tools are clear

♦ **ALWAYS INSURE** that the safeties are engaged before any attempt is made to work on or near vehicle.

♦ Some vehicle maintenance and repair activities may cause the vehicle to shift. Follow the manufacturer's guidelines when performing these operations. The use of jack stands or alternate lift points may be required when completing some repairs.

♦ **READ AND UNDERSTAND** all safety warning procedures before operating lift.

♦ **KEEP HANDS AND FEET CLEAR**. Remove hands and feet from any moving parts. Keep feet clear of lift when lowering. Avoid pinch points.

♦ **ONLY TRAINED OPERATORS** should operate this lift. All non-trained personnel should be kept away from work area. Never let non-trained personnel come in contact with, or operate lift.

♦ **USE LIFT CORRECTLY**. Use lift in the proper manner. Never use lifting adapters other than what is approved by the manufacturer.

♦ **DO NOT** override self-closing lift controls.

♦ **CLEAR AREA** if vehicle is on danger of falling.

♦ **STAY ALERT**. Watch what you are doing. Use common sense. Be aware.

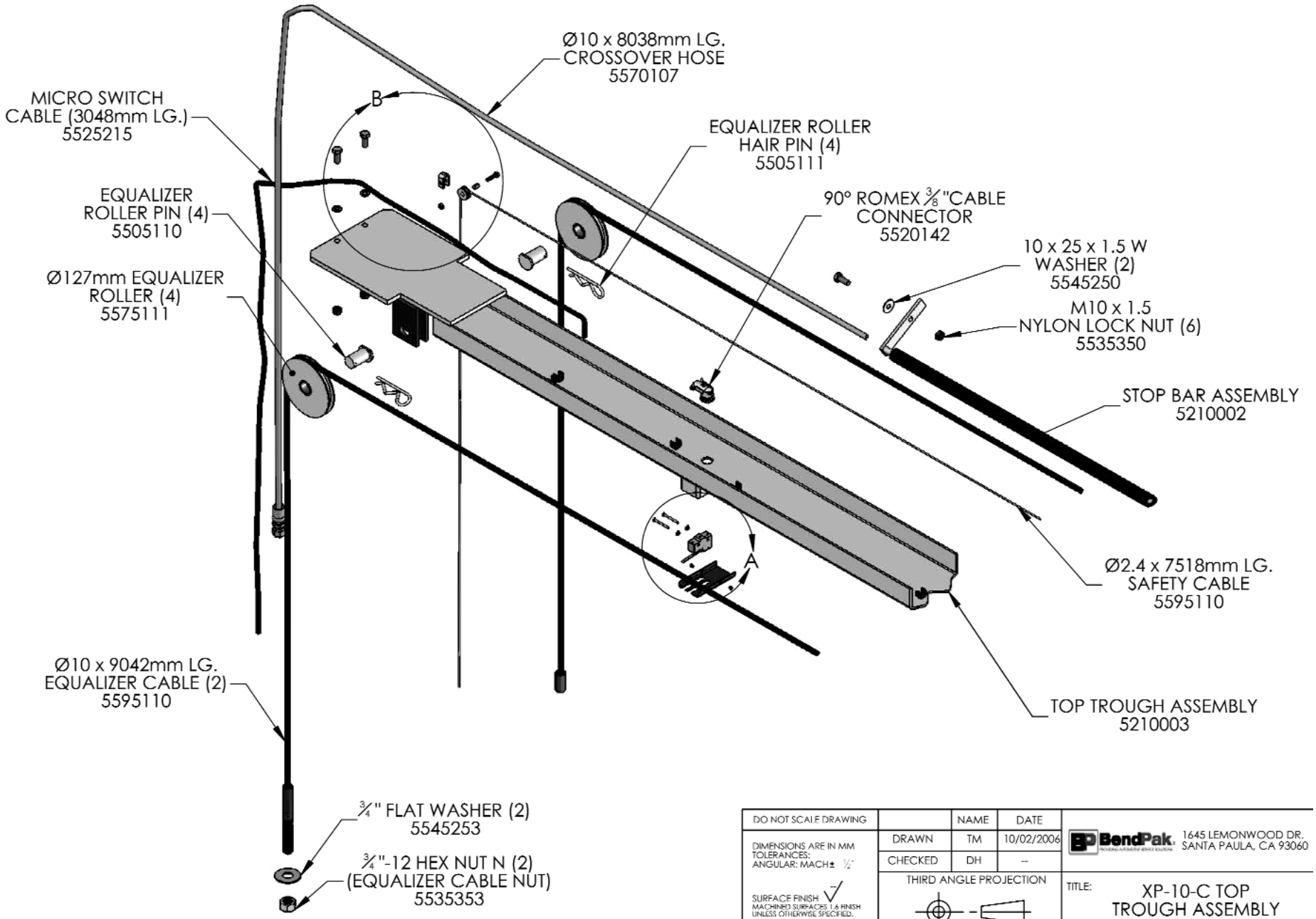
♦ **CHECK FOR DAMAGED PARTS**. Check for alignment of moving parts, breakage of parts or any condition that may affect its operation. Do not use lift if any component is broken or damaged.

♦ **NEVER** remove safety related components from the lift. Do not use lift if safety related components are damaged or missing.

♦ When the lift is being lowered, make sure everyone is standing at least six feet away.

♦ Be sure there are no jacks, tools, equipment, left under the lift before lowering.

♦ Always lower the vehicle down slowly and smoothly.



1. DETAIL VIEWS ON PAGE 2.
2. QUANTITIES PER ASSEMBLY ONLY.

NOTE: UNLESS OTHERWISE SPECIFIED.

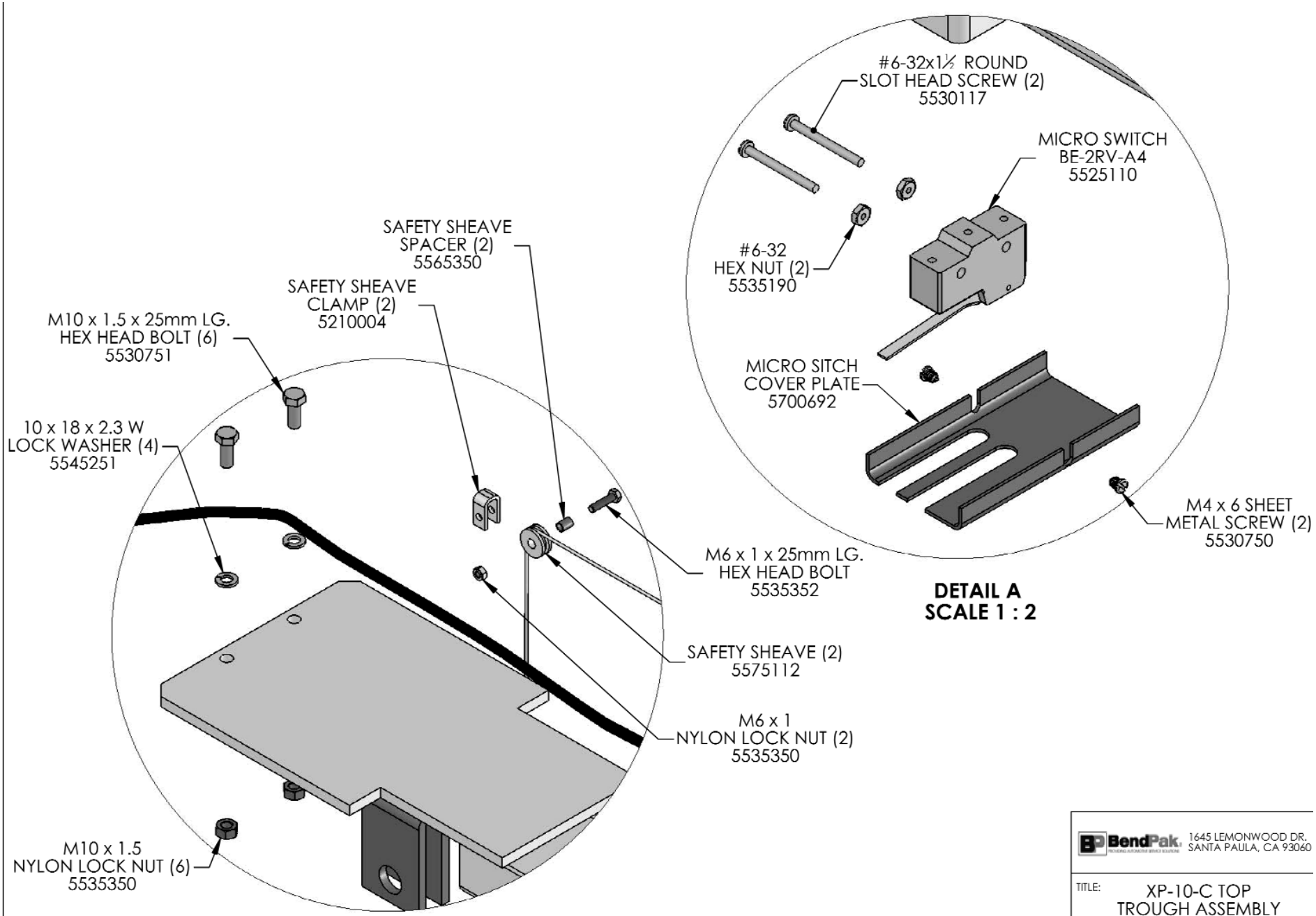
DO NOT SCALE DRAWING		NAME	DATE
DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: MACH± ½°	DRAWN	TM	10/02/2006
	CHECKED	DH	–
SURFACE FINISH √ MACHINED SURFACES 1.6 FINISH UNLESS OTHERWISE SPECIFIED.	THIRD ANGLE PROJECTION		
MATERIAL: ---	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF **BEND-PAK INC.** ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF **BEND-PAK INC.** IS PROHIBITED.		
SIZE: ---			
NEXT ASSMEBLY: XP-10-C LIFT			

BendPak 1645 LEMONWOOD DR. SANTA PAULA, CA 93060

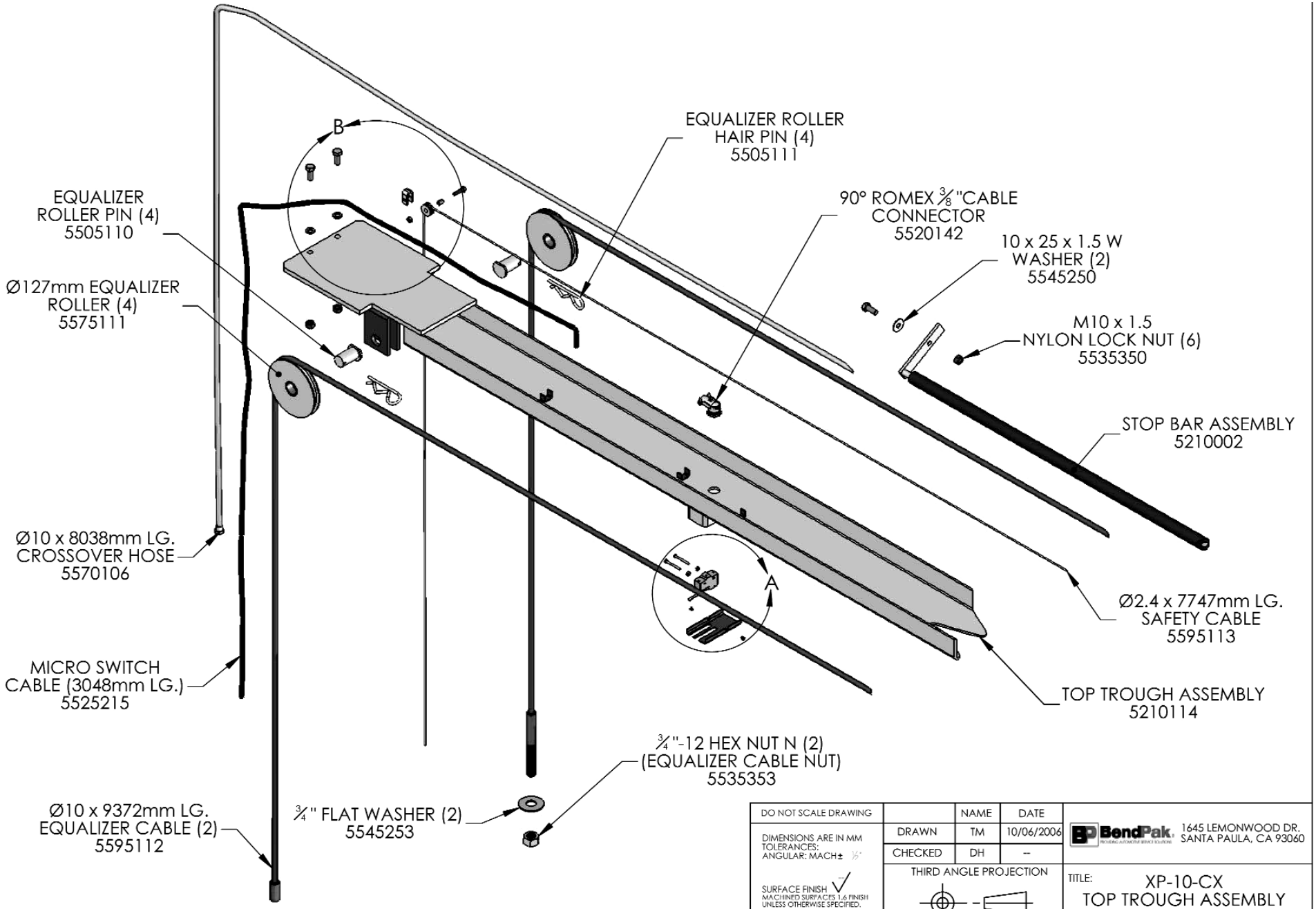
TITLE: XP-10-C TOP TROUGH ASSEMBLY

SIZE	DWG. NO.	REV
A	800120	N/C

SCALE: 1:10 SHEET 1 OF 2



BendPak 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
TITLE: XP-10-C TOP TROUGH ASSEMBLY		
SIZE A	DWG. NO. 800120	REV N/C
SCALE: 1:12		SHEET 2 OF 2



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	CHECKED	DH	--
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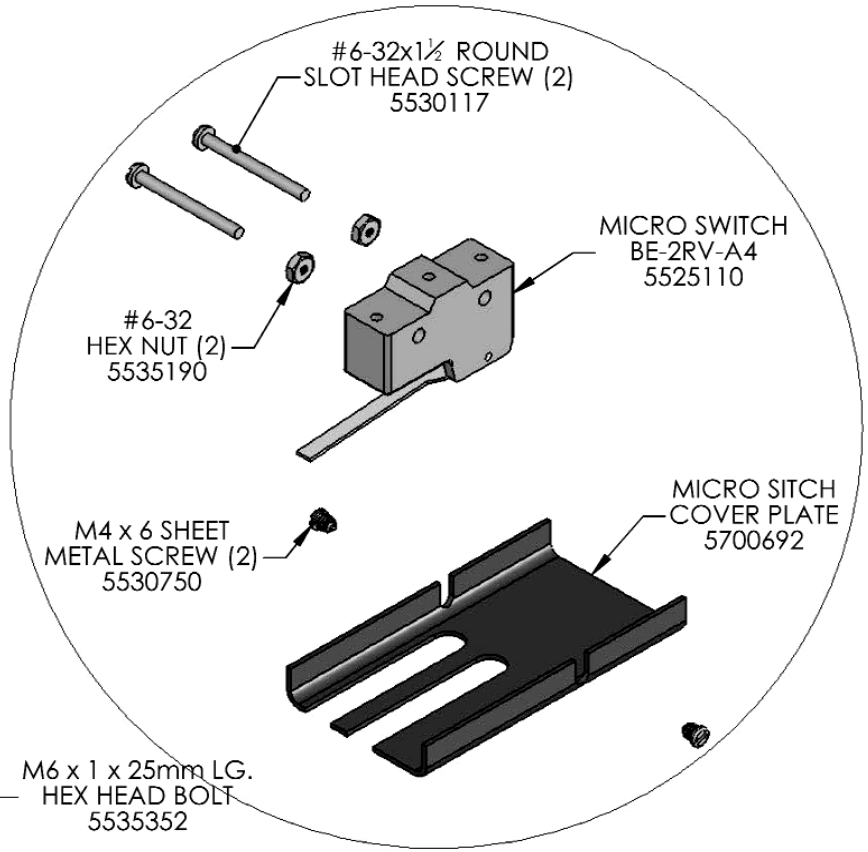
SIZE: ---			
NEXT ASSMEBLY: XP-10-CX LIFT			

BendPak 1645 LEMONWOOD DR. SANTA PAULA, CA 93060

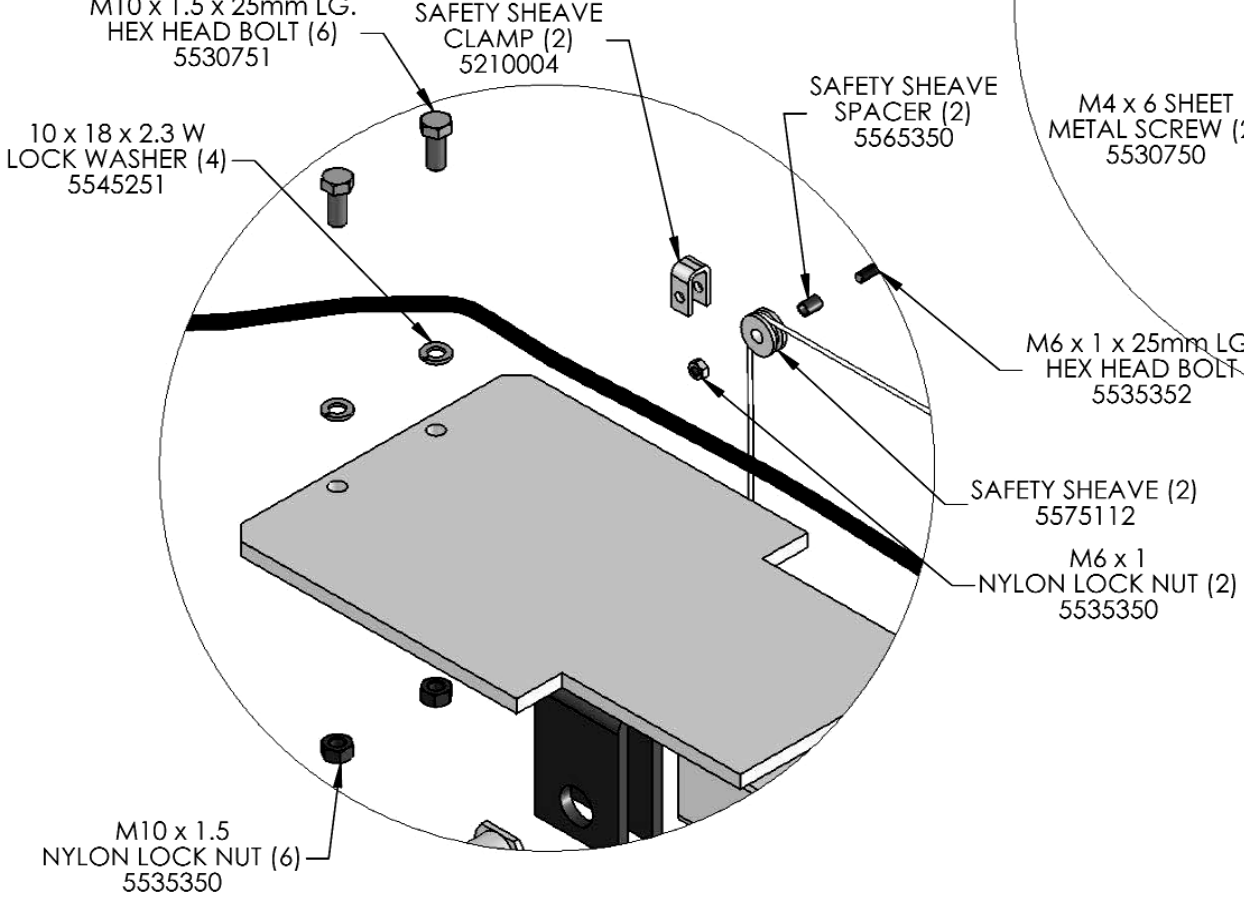
TITLE: XP-10-CX TOP TROUGH ASSEMBLY

SIZE	DWG. NO.	REV
A	800210	N/C

SCALE: 1:10 SHEET 1 OF 2



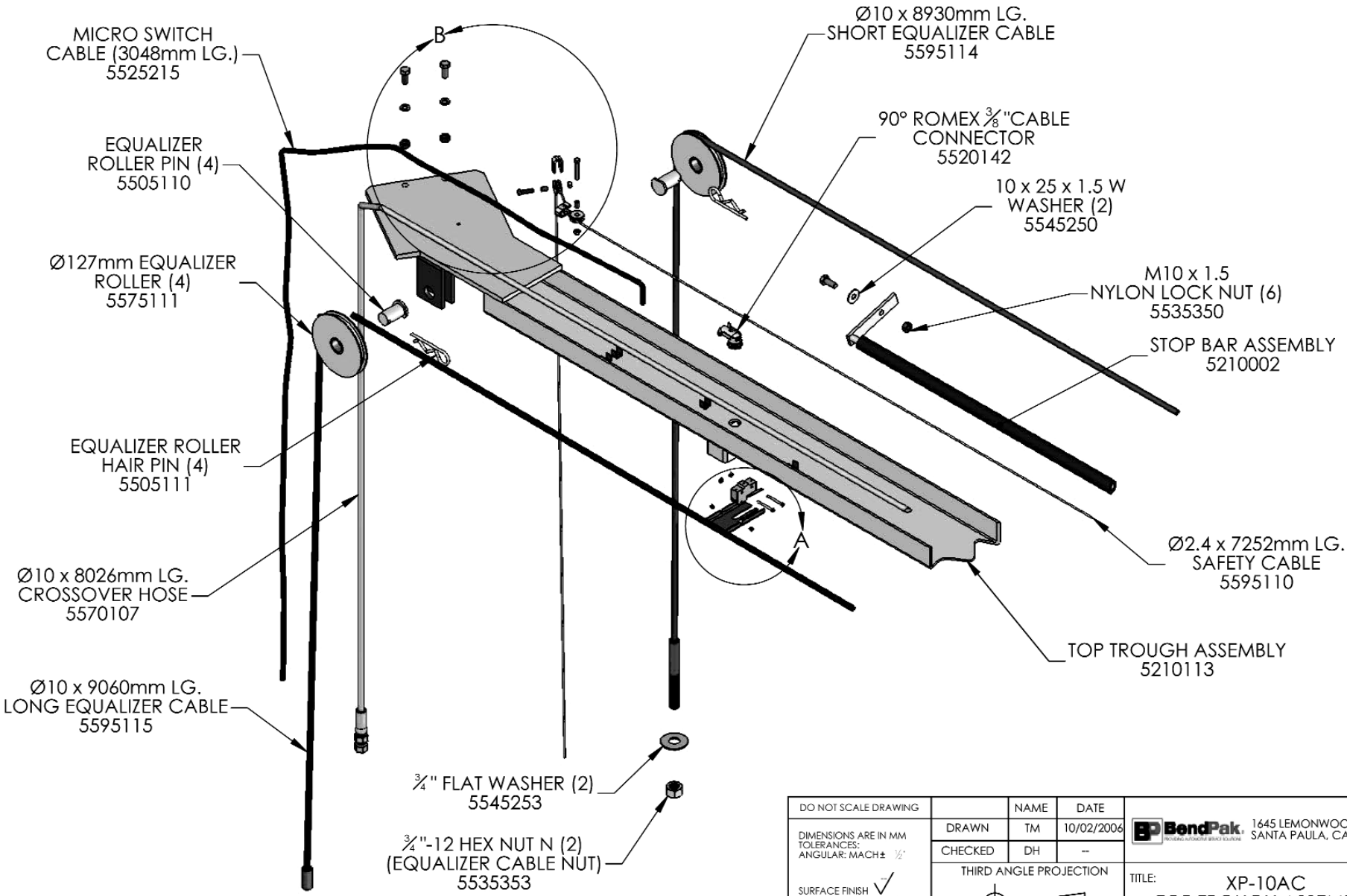
DETAIL A
SCALE 1 : 2



DETAIL B
SCALE 1 : 4

BendPak 1645 LEMONWOOD DR. SANTA PAULA, CA 93060

TITLE: XP-10-CX TOP TROUGH ASSEMBLY		
SIZE A	DWG. NO. 800210	REV N/C
SCALE: 1:12		SHEET 2 OF 2



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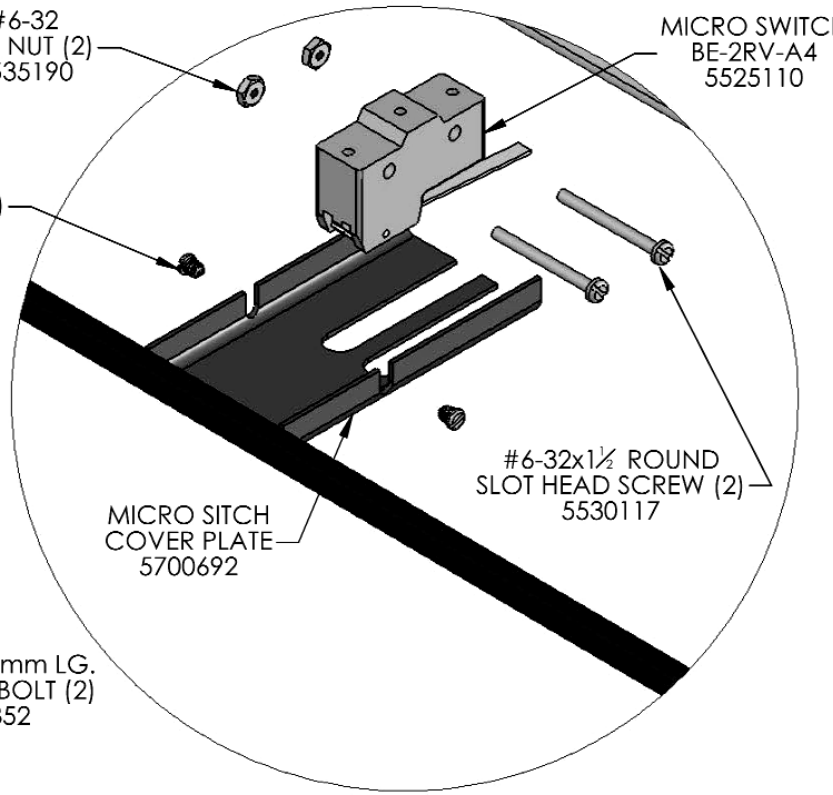
SIZE: ---			
NEXT ASSMEBLY: XP-10AC			

BendPak 1645 LEMONWOOD DR. SANTA PAULA, CA 93060

TITLE: XP-10AC TOP TROUGH ASSEMBLY

SIZE	DWG. NO.	REV
A	800201	N/C

SCALE: 1:10 SHEET 1 OF 2



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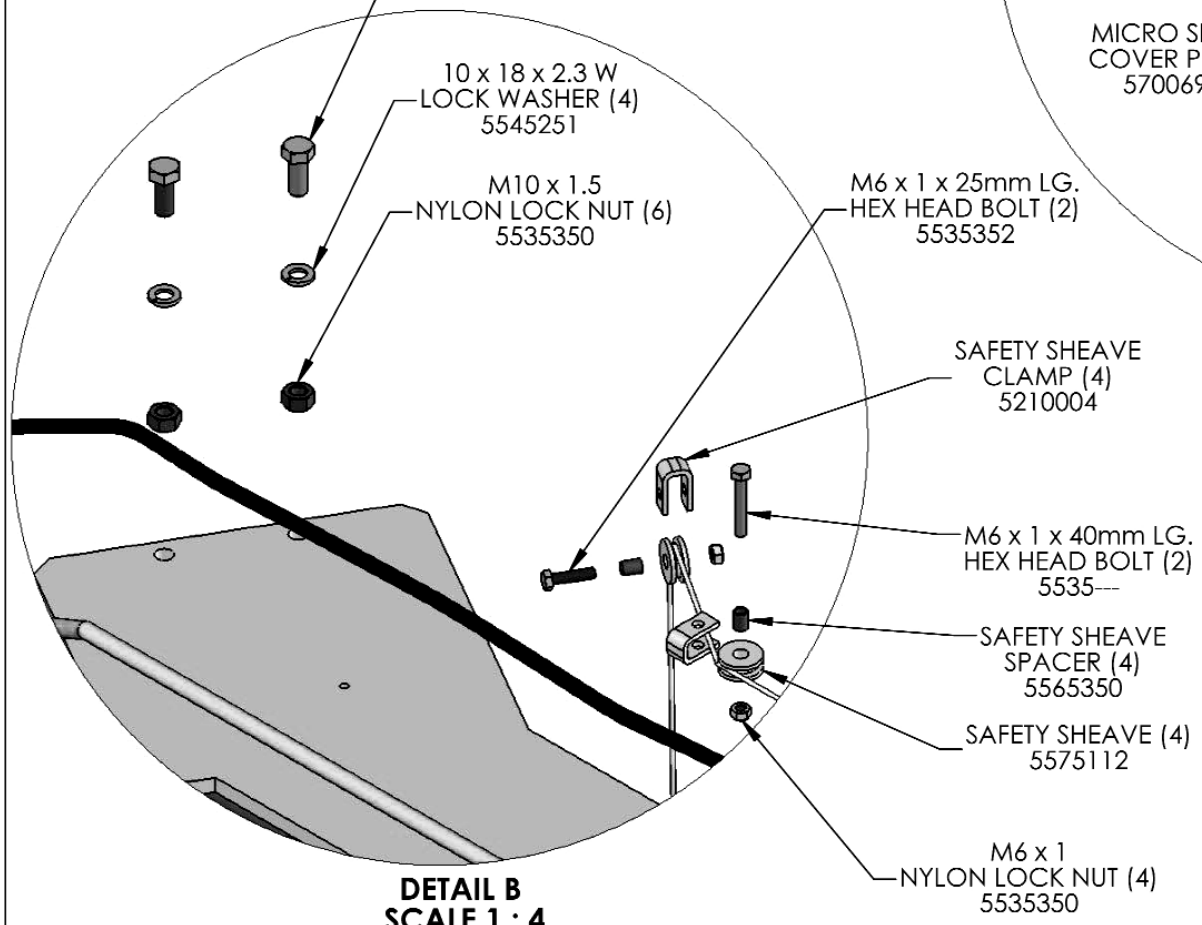
SCALE 1 : 2



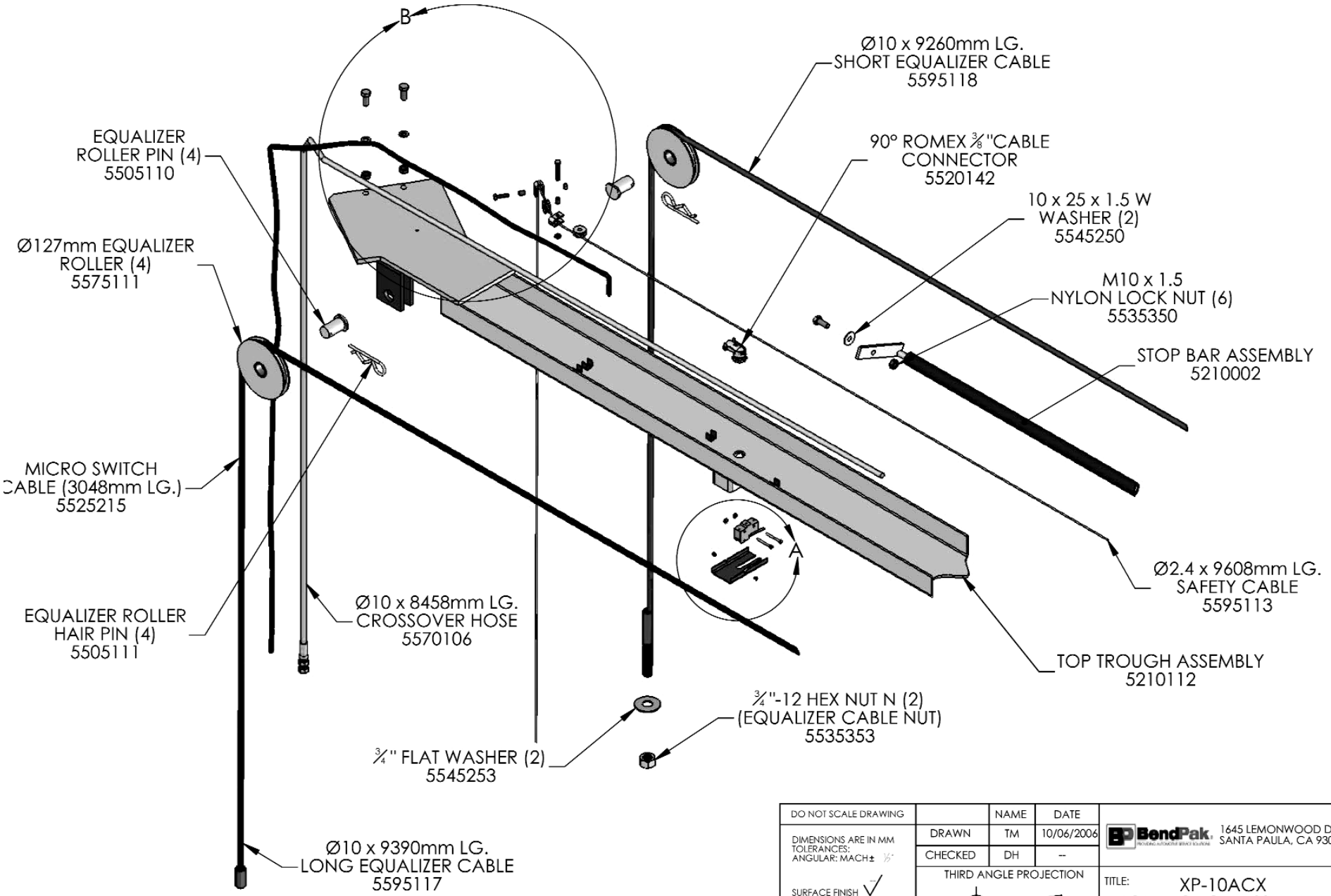
DETAIL B
SCALE 1 : 4

BendPak 1645 LEMONWOOD DR. SANTA PAULA, CA 93060

TITLE: XP-10AC
TOP TROUGH ASSEMBLY

SIZE	DWG. NO.	REV
A	800201	N/C

SCALE: 1:12 SHEET 2 OF 2



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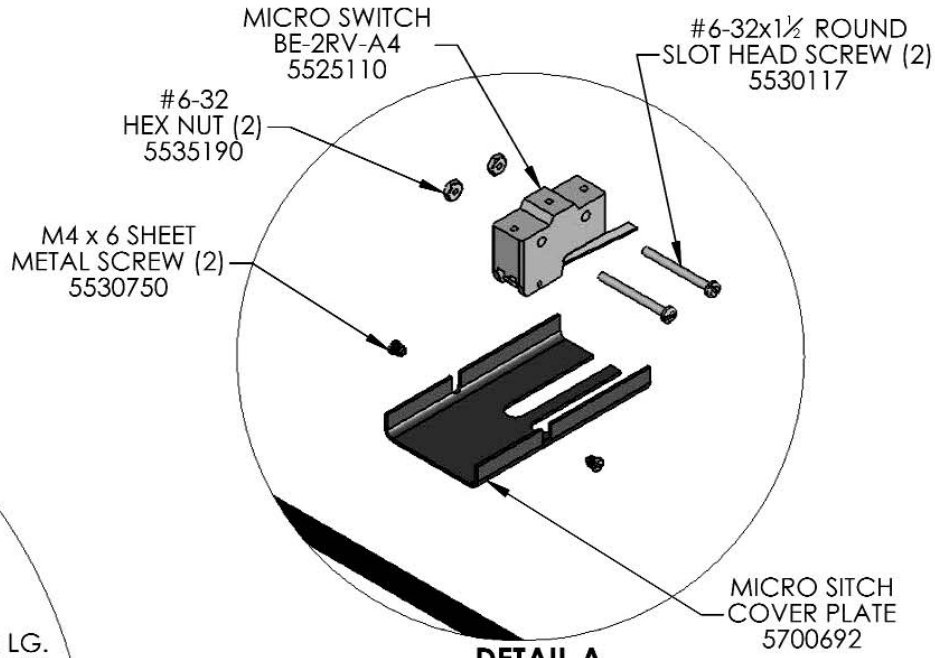
SIZE: ---			
NEXT ASSMEBLY: XP-10ACX			

BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060

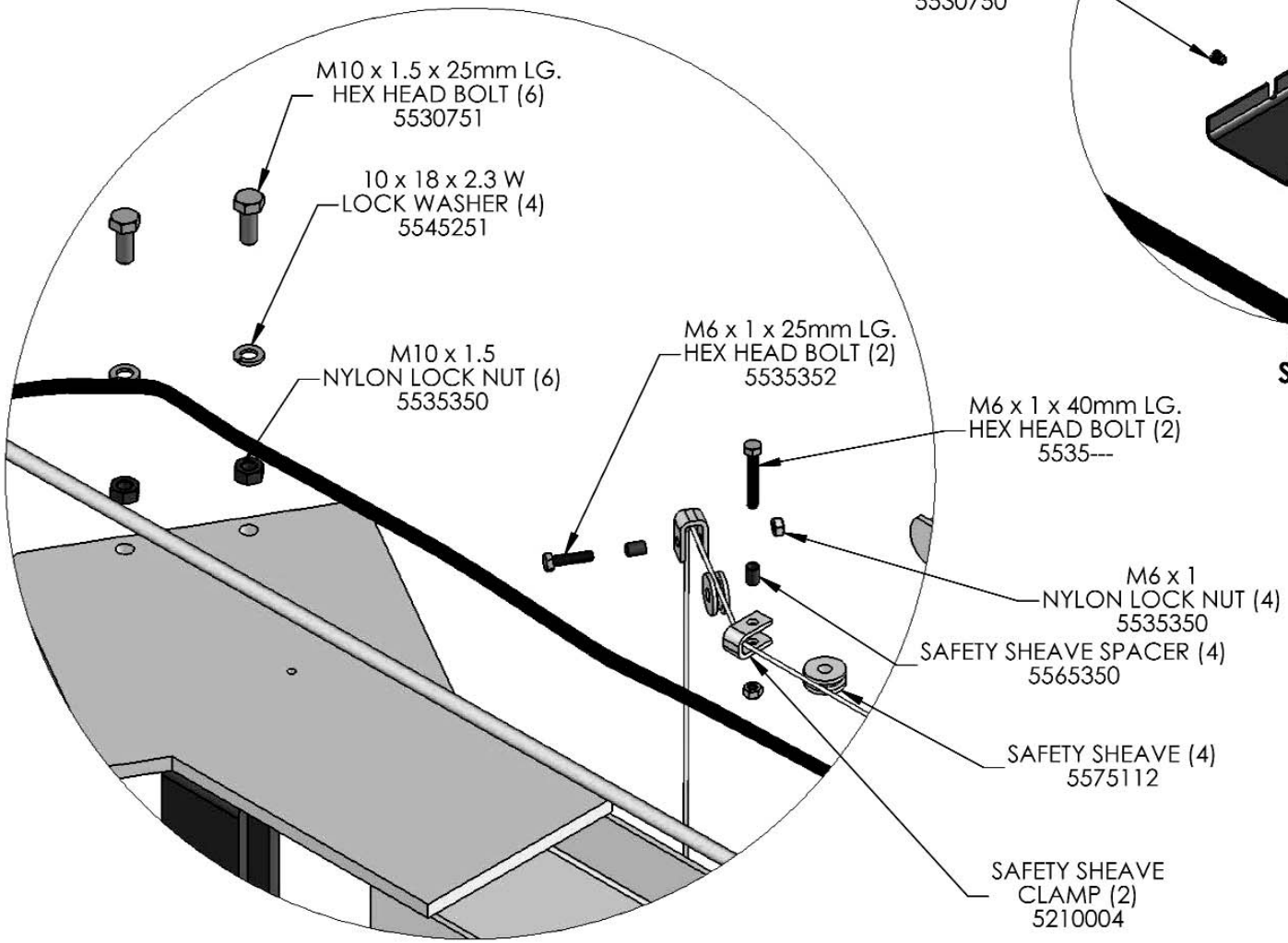
TITLE: XP-10ACX
TOP TROUGH ASSEMBLY

SIZE	DWG. NO.	REV
A	800229	N/C

SCALE: 1:10 SHEET 1 OF 2



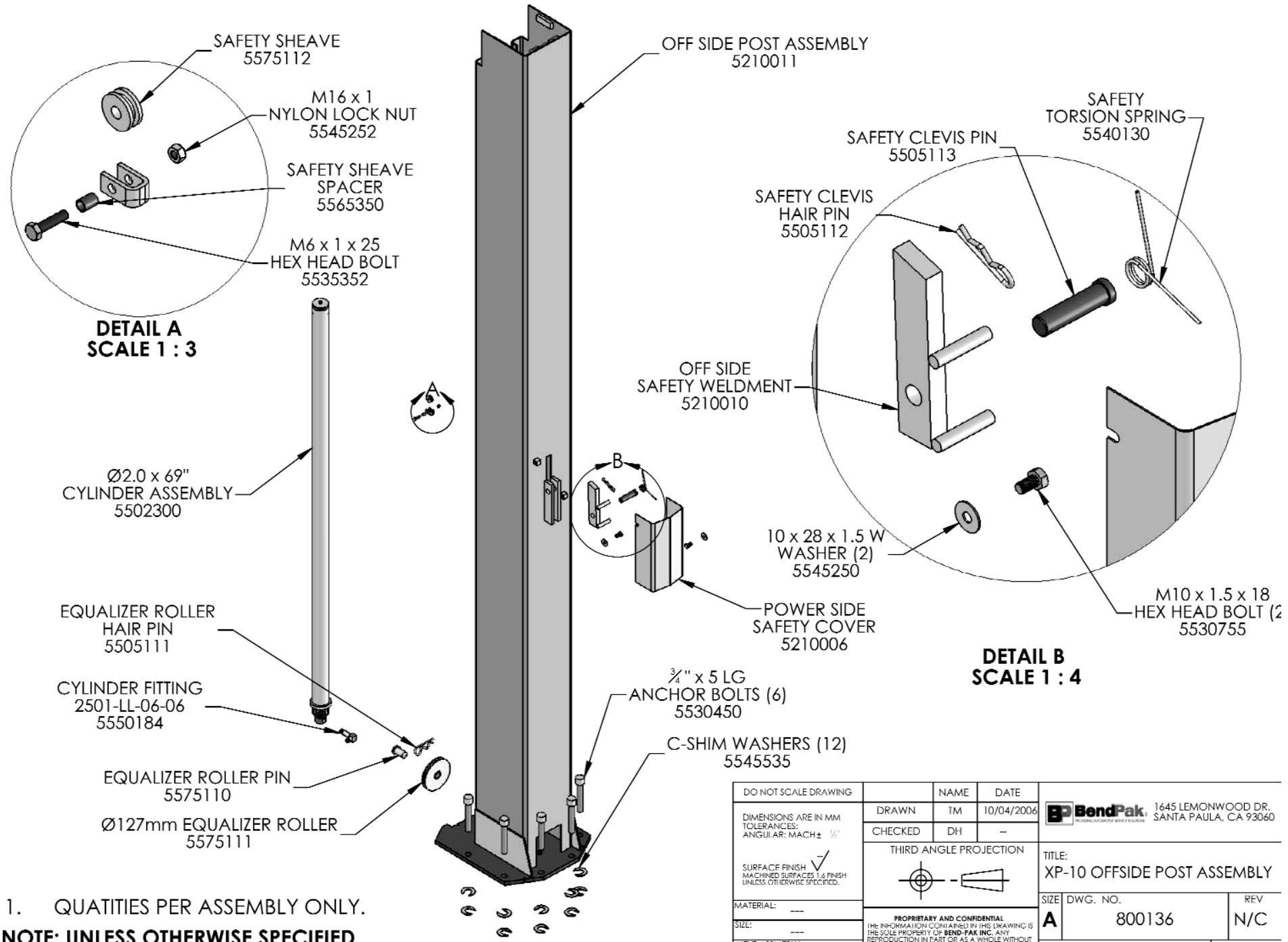
DETAIL A
SCALE 1 : 3



DETAIL B
SCALE 1 : 4

BendPak 1645 LEMONWOOD DR. SANTA PAULA, CA 93060

TITLE: XP-10ACX TOP TROUGH ASSEMBLY		
SIZE A	DWG. NO. 800229	REV N/C
SCALE: 1:12		SHEET 2 OF 2



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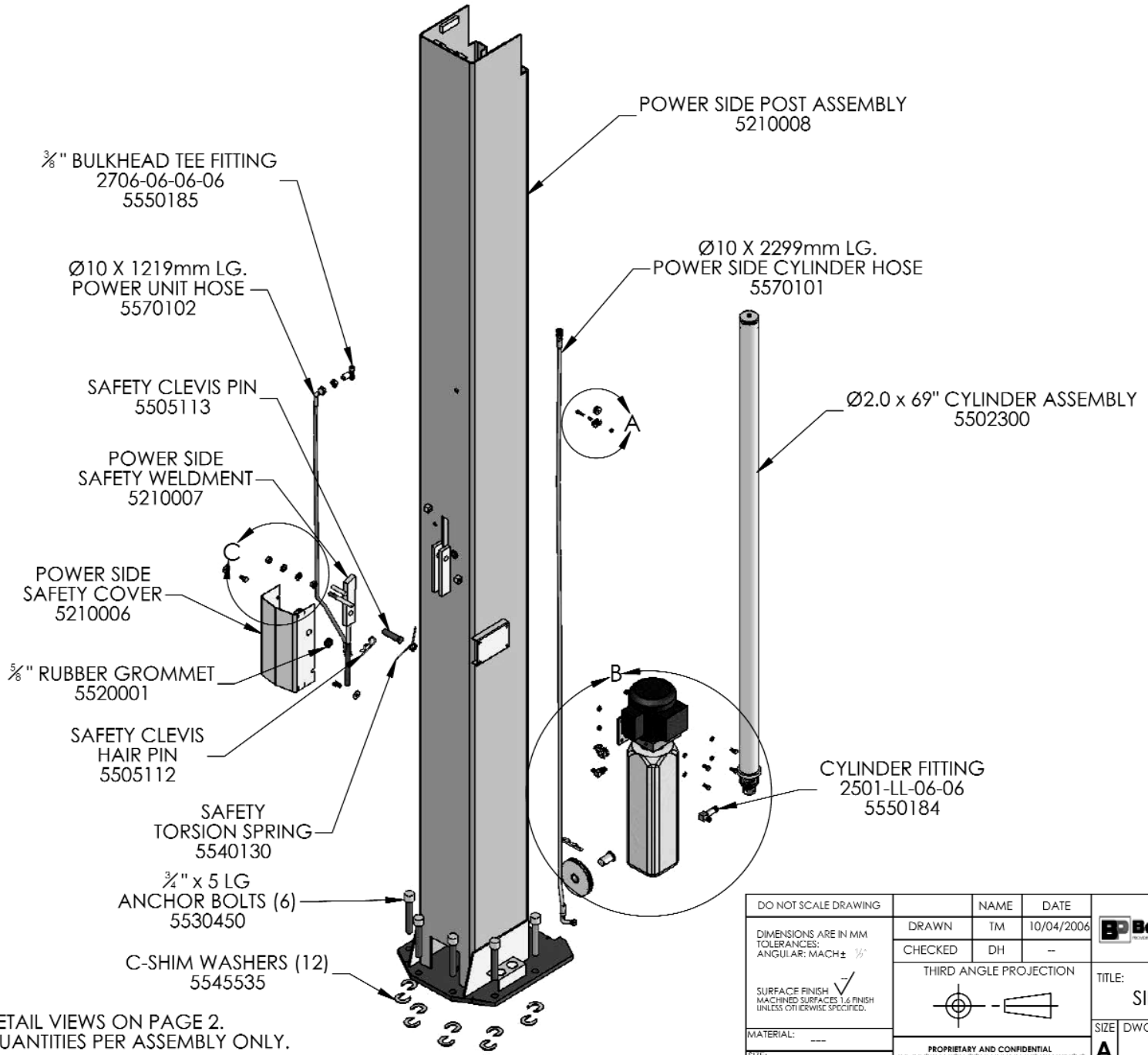
DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: MACH ± ½°	DRAWN	TM	10/04/2006
SURFACE FINISH ✓ MACHINED SURFACES 1.6 FINISH UNLESS OTHERWISE SPECIFIED.	CHECKED	DH	--
MATERIAL: ---	THIRD ANGLE PROJECTION		
SIZE: ---			
NEXT ASSMEBLY: XP-10 LIFT SERIES			

BendPak 1645 LEMONWOOD DR. SANTA PAULA, CA 93060

TITLE: XP-10 OFFSIDE POST ASSEMBLY

SIZE	DWG. NO.	REV
A	800136	N/C

SCALE: 1:18 SHEET 1 OF 1



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SURFACE FINISH MACHINED SURFACES 1.6 FINISH UNLESS OTHERWISE SPECIFIED.	THIRD ANGLE PROJECTION		
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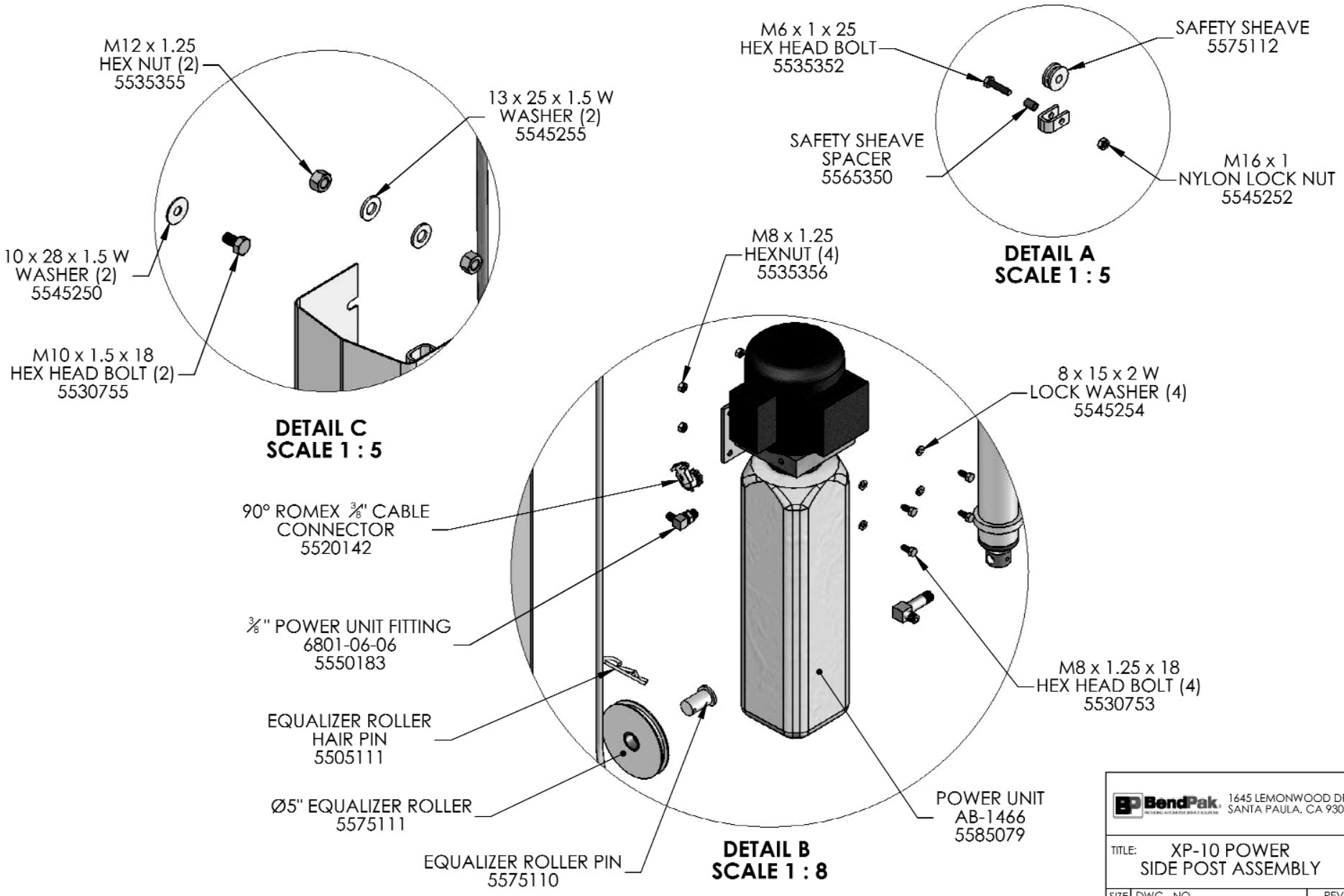
SIZE: ---			
NEXT ASSMEBLY: XP-10 LIFT SERIES			

BendPak 1645 LEMONWOOD DR. SANTA PAULA, CA 93060

TITLE: XP-10 POWER SIDE POST ASSEMBLY

SIZE	DWG. NO.	REV
A	800146	N/C

SCALE: 1:18 SHEET 1 OF 2

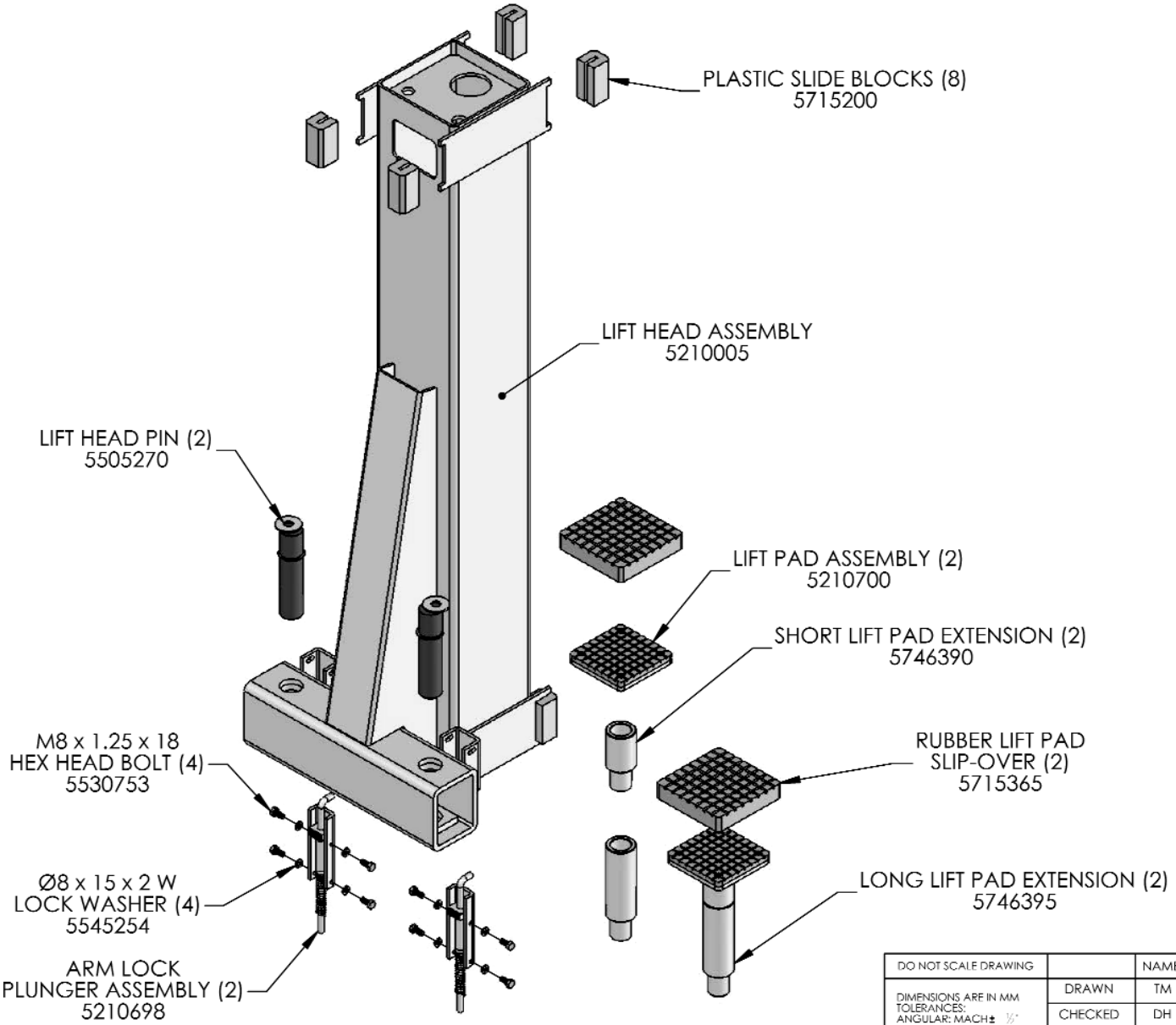


BendPak 1645 LEMONWOOD DR. SANTA PAULA, CA 93060

TITLE: XP-10 POWER SIDE POST ASSEMBLY

SIZE	DWG. NO.	REV
A	800146	N/C

SCALE: 1:20 SHEET 2 OF 2



1. QUANTITIES ARE PER ASSEMBLY ONLY.

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DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: MACH± ½°	DRAWN	TM	10/04/2006
	CHECKED	DH	--
SURFACE FINISH √ MACHINED SURFACES 1.6 FINISH UNLESS OTHERWISE SPECIFIED.	THIRD ANGLE PROJECTION		
MATERIAL: ---			
SIZE: ---			
NEXT ASSEMBLY: ALL XP-10 LIFTS			

BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060

TITLE: XP-10 LIFT HEAD ASSEMBLY

SIZE	DWG. NO.	REV
A	800151	N/C

SCALE: 1:10 SHEET 1 OF 1

For Parts Or Service
Contact:

Bend-Pak Inc. / Ranger Products
1645 Lemonwood Dr.
Santa Paula, CA. 93060

Tel: 1-805-933-9970
Toll Free: 1-800-253-2363
Fax: 1-805-933-9160

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