



2099 S. 10th Street
Unit 80
San Jose, CA 95112
United States

Instruction Manual

STRONG ARM II

37-2899



The Strongarm II gives you the edge you need when changing new generation tires. Touring and Police bikes have extremely stiff sidewalls; making tire manipulation difficult even after the bead is broken. The Strongarm II uses air pressure to assist holding the tire's bead in the drop center of the wheel, even while the turntable is revolving.

Explanation of Safety Signal Words

The safety signal word designates the degree or level of hazard seriousness.



DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or



CAUTION: Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.



WARNING: To prevent personal injury or equipment damage,

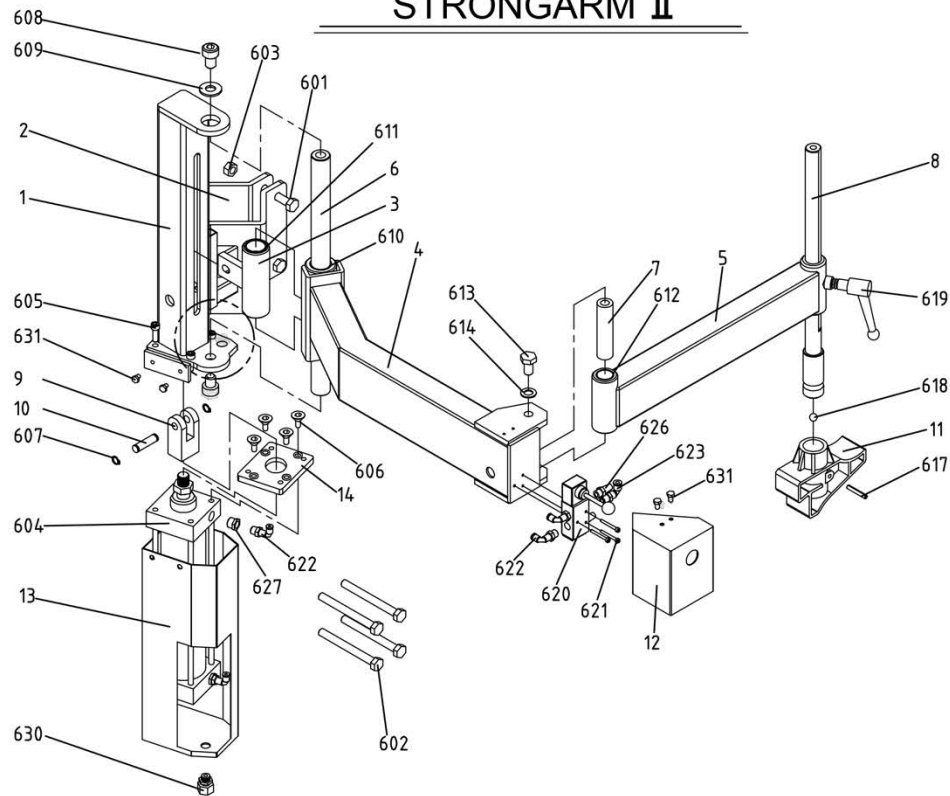


- Study, understand, and follow all instructions before operating this device.
- Wear eye protection that meets OSHA and ANSI287.1 standards.
- Only qualified personnel shall perform inspections and repairs to this lift.
- Before using this product, inspect the product for bends, cracks, dents, elongated holes, or missing hardware. If damage is found, discontinue use.
- Use only those repair parts called out in the parts list in this document. Items found in the parts list have been carefully tested and selected.
- Do not exceed the rated capacity of this product.
- Use only on a hard, level surface.
- Do not raise or move a load having a center of gravity extending beyond the wheels. Tipping can result in personal injury.
- Do not move lift while a load is raised. Carefully and slowly move the load on inclines or around corners. Tipping can result in personal injury. Lower load completely before storage.
- Secure component in place before removing it from the lift.
- No alterations shall be made to this product as this will void the warranty.

General Pump Precautions

- Do not exceed the hydraulic pressure rating noted on the pump data plate or tamper with the internal high pressure relief valve. Creating pressure beyond the rated pressure can result in personal injury.
- Before replenishing the fluid level, retract the system to prevent overfilling the pump reservoir. An overfill can cause personal injury due to excess reservoir pressure created when cylinders are retracted.

STRONGARM II



01/2011

No.	DESCRIPTION	SIZE	Q'TY	No.	DESCRIPTION	SIZE	Q'TY
1	SUPPORT		1	609	FLAT WASHER	φ16 / φ40 x 3t	1
2	BRACKET		1	610	DU BUSH	LBB 3030	2
3	SLIDE		1	611	DU BUSH	LBB 3020	2
4	SWINGARM - A		1	612	DU BUSH	LBB 2520	2
5	SWINGARM - B		1	613	HEX. BOLT	M14 x 25	2
6	MAIN SHAFT		1	614	FLAT WASHER	φ14	2
7	SHAFT					φ10 / φ30 x 3t	1
8	ADJUST BAR					M10 x 20	1
9	SQU. BAR	32 x 32 - 85	1	617	SPRING PIN	φ6 x 40	1
10	PIN	φ12 x 39	1	618	STEEL BALL	φ11.9	1
11	ADAPTER		1	619	CLAMPING LEVER BOLT	98 R B M10 x 25	1
12	VALVE CASE		1	620	AIR VALVE	4H230C-08	1
13	CYLINDER CASE		1	621	ALLEN BOLT	M4 x 35	3
				622	ONE TOUCH FITTING	PL04 - PT1/4	4
				623	ONE TOUCH FITTING	PL06 - PT1/4	1
						PU6	1
601	HEX. BOLT	M12 x 90				PU4	2
602	HEX. BOLT	M12 x 120	4	626	SILENCER	PT1/8	2
603	NUT	M12	4	627	COPPER REDUCER	3/8" - 1/4"	2
604	AIR CYLINDER	φ63 x 250 ST				φ4	2
605	ALLEN BOLT	M8 x 15				φ6	1
606	TAPER HEAD ALLEN BOLT	M8 x 20	4	630	ONE TOUCH FITTING	SQE06 - PT1/4 TAP	1
607	SNAP RING	φ12	2	631	HEX. BOLT	M6 x 8	8
608	ALLEN BOLT	M16 x 25	2	632	ROUND HEAD SCREW	M4 x 8	1

Everything In The Box



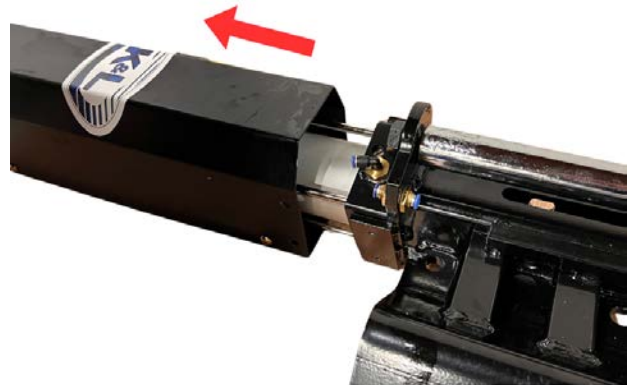
- 1 x Cylinder Assembly
- 1 x Arm
- 1 x Arm Extension
- 1 x Shaft Assembly
- 1 x Locking Bolt
- 1 x Mounting Bracket
- 4 x Long Bolts
- 4 x Short Bolts
- 8 x Nuts
- 1 x Air Hose
- 1 x T Fitting
- 2 x Fitting

Assembly Instructions

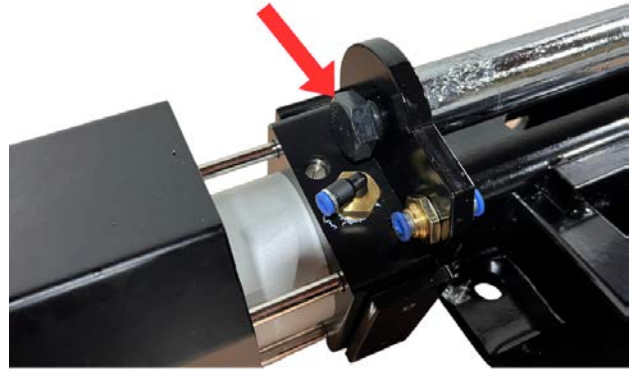
**On the Cylinder Assembly,
remove the 4 x Bolts**



**Slide & Remove the Assembly
Cover**



**Unscrew the nut on the bottom
of the shaft**



Slide the shaft off completely



**Place the arm by lining up the
gussets with the black pipe on
the cylinder assembly.**



Slide the, previously removed shaft back into the assembly; ensuring the arm is now secured.



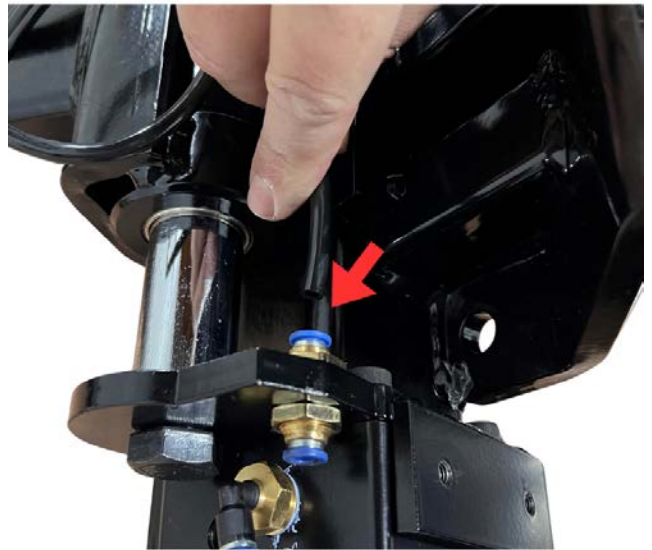
Secure the shaft with the, previously removed, bolt.



Slide the cables through the provided cable channel.



**Attach the shortest air hose
into the top air adapter**



**Attach one of the longer air
hoses on the bottom of the
cylinder**



**Attach the other air hose to the
top of the cylinder**



Close the cover and ensure the air hoses are passing through the gap to avoid pinching of the hoses.



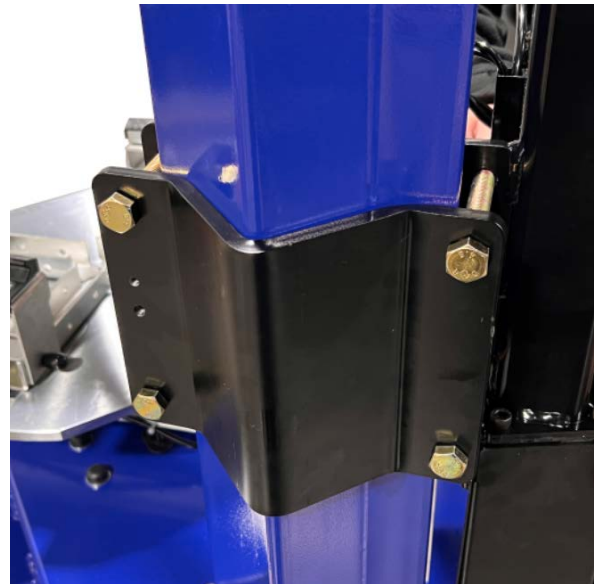
Screw Down The Cover with the previously removed bolts.



Place the Strong Arm onto your tire machine. (Get a helper to assist in holding the strongarm in place)



Place the Mounting Bracket on the opposite side, and using the provided bolts(4) & nuts(4), secure the strongarm onto the machine.



***MC680 Only:
Remove the hanger bolt from the machine and reinstall it directly onto the Mounting Bracket.**



Ensure the Strong Arm is mounted high enough to prevent damage to the machine or wheels.



Attach and secure the arm extensions with the short bolts (2).



Slide the Shaft Assembly into the Arm extension, & secure using the locking bolt.



Connect the air fitting (1) into the bottom of the StrongArm's cylinder.



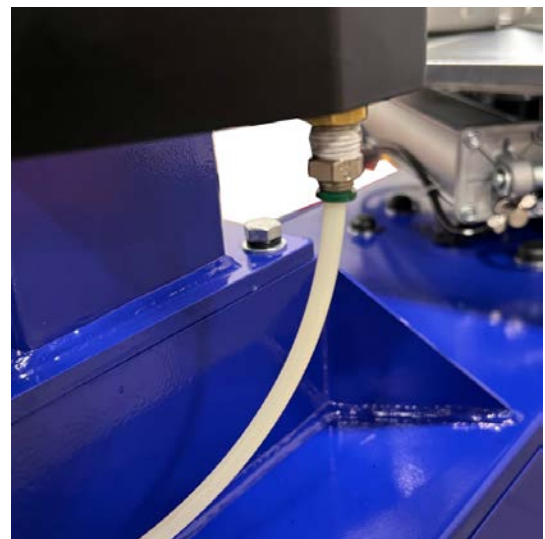
Attach the T fitting into the air regulator on the side of the tire machine.



Connect the air hose to the top of the T-fitting.



Attach the other end of the air hose to the fitting on the StrongArm's cylinder.



Attach your own air fitting to the tire machine and plug the machine into your air source.



**Congratulations! Your K&L
Strong Arm 2 is now
completed, and ready for use!**



Maintenance

Use a good grade lubricant to regularly lubricate the pivot points, screws and swivel casters

Operating Instructions

1. Always follow the manufacturer's recommended service procedures
2. Ensure wheel is attached securely to the tire machine.
3. To Operate the Strong arm, use the joystick on the arm to go up and down.
4. To prevent damage, go slow and steady
5. The shaft can be moved up and down by unscrewing the locking nut and sliding the shaft up and down.

Inspection and Repairs



CAUTION: To prevent personal injury,

- Only qualified personnel shall perform inspections and repairs to this product.
- Before each use, inspect the product lift for unwanted bends, cracks, dents, or missing hardware. If damage is found, discontinue use.
- If parts are needed for repair, please contact K&L Supply Co at +1(800)727 - 6767.

Disposal

At the end of the useful life of this product, dispose of the components according to all federal, state and local regulations.

IMPORTANT PRODUCT INFORMATION

Please record purchase date and PO Number on this page for future reference.

Purchase Date: _____ PO Number: _____