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# MR6K-48

## **6000 lb Capacity Mid-Rise Scissor Lift**

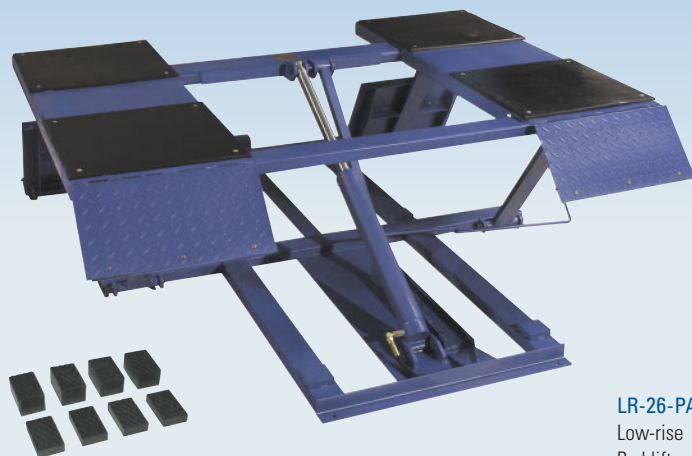
### ASSEMBLY & OPERATION MANUAL





**6,000 LB.  
LOW-RISE  
PAD LIFT**

*Easy frame lifting on padded runways. Great for wheel and brake work, tire and wheel changing as well as new car preparation.*



**LR-26-PAD**  
Low-rise  
Pad lift

**Features:**

- ◆ 6,000 lb. lifting capacity
- ◆ Automatic safety locks
- ◆ Low drive-over height for approach of low vehicles
- ◆ High speed motor lifts from 3"-26" in only 35 seconds
- ◆ 2 sets of rubber riser blocks

**6,000 LB.  
MID-RISE LIFT**

*Mid-rise models lift cars, vans and light-duty trucks. They are ideal for tire, wheel and brake related repairs, collision repair work and new car preparation.*



**MR6K-48**  
Mid-rise lift

**Features:**

- ◆ 6,000 lb. lifting capacity
- ◆ Portable trolley supports pump and moves lift
- ◆ Twin hydraulic cylinders and scissors lift design for maximum strength and stability
- ◆ Easily adjustable sliding radius arms
- ◆ Automatic two-position safety locks
- ◆ Swivel pads come standard. Optional drop-in height adapters are also available

**SPECIFICATIONS**

	<b>LR-26-PAD</b>	<b>MR6K-48</b>
Lifting capacity	6,000 lbs.	6,000 lbs.
Overall width	73"	39 5/8" - 57"
Overall length	86"	96 1/2"
Maximum height	26" - 30"	48 1/2" - 54"
Low pad height	NA	7"
Lifting speed	35 sec.	40 sec.
Motor	1 hp/110 vac	1 hp/110 vac
Width between runways	35"	NA
Runway width	19"	NA
Collapsed height	5"	4 3/4"
Shipping weight	1,012 lbs.	950 lbs.

# **TUXEDO DISTRIBUTORS LIMITED WARRANTY**

## **Structural Warranty:**

The following parts and structural components carry a five year warranty:

Columns	Top Rail Beam	Uprights	Arms Swivel Pins
Legs	Carriages	Tracks Overhead Beam	Cross Rails

## **Limited One-Year Warranty:**

Tuxedo Distributors, LLC ("Tuxedo") offers a limited one-year warranty to the original purchaser of Tuxedo lifts and Wheel Service in the United States and Canada. Tuxedo will replace, without charge, any part found defective in materials or workmanship under normal use, for a period of one year after purchase. The purchaser is responsible for all shipping charges. This warranty does not apply to equipment that has been improperly installed or altered or that has not been operated or maintained according to specifications.

## **Other Limitations:**

This warranty does not cover:

1. Parts needed for normal maintenance
2. Wear parts, including but not limited to cables, slider blocks, chains, rubber pads and pulleys
3. Replacement of lift and tire changer cylinders after the first 30 days. A seal kit and installation instructions will be sent for repairs thereafter.
4. On-site labor

Upon receipt, the customer must visually inspect the equipment for any potential freight damage before signing clear on the shipping receipt. Freight damage is not considered a warranty issue and therefore must be noted for any potential recovery with the shipping company.

The customer is required to notify Tuxedo of any missing parts within 72 hours. Timely notification must be received to be covered under warranty.

Tuxedo will replace any defective part under warranty at no charge as soon as such parts become available from the manufacturer. No guarantee is given as to the immediate availability of replacement parts.

Tuxedo reserves the right to make improvements and/or design changes to its lifts without any obligation to previously sold, assembled or fabricated equipment.

There is no other express warranty on the Tuxedo lifts and this warranty is exclusive of and in lieu of all other warranties, expressed or implied, including all warranties of merchantability and fitness for a particular purpose.

To the fullest extent allowed by law, Tuxedo shall not be liable for loss of use, cost of cover, lost profits, inconvenience, lost time, commercial loss or other incidental or consequential damages.

This Limited Warranty is granted to the original purchaser only and is not transferable or assignable.

Some states do not allow exclusion or limitation of consequential damages or how long an implied warranty lasts, so the above limitations and exclusions may not apply. This warranty gives you specific legal rights and you may have other rights, which may vary from state to state.

## INTRODUCTION

**MR6K-48 Portable Mid-rise Scissor Lift** is a hydraulic lift, equipped with twin hydraulic cylinders for maximum strength and stability. It raises straight up without fore and aft movement. Low-profile, mid-rise and portable with rolling power cart, it is ideal for wheel and brake work, tire and wheel changing service with easy mobility.

## PRODUCT SPECIFICATIONS

Lifting Capacity:	6000lbs (3 Ton)	
Lifting Speed:	30 sec.	
Lifting Height:	1200mm(47-1/4")	
Lowered Height:	120mm(4-3/4")	
Platform Length:	1550mm(61")	
Width Overall:	1003mm(39-1/2")	
Max Swing Arm Reach Width:	1467mm(57-3/4")	
Rating Pressure	Less Than 20Mpa	
Pump Type	Hydraulic motor pump	
Pump Tank Capacity	6 Lite / 2Gallon	
Hydraulic Pressure Oil	Wearable Hydraulic Oil [Viscosity 32-46cst (mm <sup>2</sup> /s) At 40°C ]	
Working Environment Temperature	5-40°C	
Working Environment Humidity	30%-80%RH	
Working Height Above Sea Level	MAX1000m	
Temperature for Storage	-25-55°C	
Power Supply	1HP	
	Single Phase	
	110V	
	60Hz	
External Dimension	L(mm)	W(mm)
	2350--2600	1003--1420

**The required electrical Power Cord Plug for this product is a grounded, 110 volt, 3-prong plug (not included).** it is recommended that only a qualified electrician connect a Power Cord Plug with cord to the motor. Never remove the grounding prong or modify the plug in any way. Do not use adapter plugs with this product .When in use, make sure this product is always plugged into a grounded, 110 volt, 3-hole electrical receptacle with **an appropriate breaker switch** in-line.

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**SAVE THIS MANUAL:** You will need this manual for the safety warning and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

## **GENERAL SAFETY WARNINGS AND PRECAUTIONS**

### **WARNING!**

#### **READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE OPERATING**

Failure to follow all instructions listed in the following pages may result in electric shock, fire, and / or serious injury.

#### **SAVE THESE INSTRUCTIONS AND READ THEM ENTIRELY!**

##### **1. KEEP WORK AREA CLEAN AND WELL LIGHTED**

Cluttered, wet and dark work areas may invite accidents.

##### **2. DO NOT OPERATE POWER EQUIPMENT IN EXPLOSIVE ATMOSPHERES, SUCH AS IN THE PRESENCE OF FLAMMABLE LIQUIDS, GAS OR DUST.**

Power equipment can create sparks which may ignite flammables.

##### **3. KEEP BY STANDERS, CHILDREN, AND VISITORS AWAY WHILE OPERATING**

Distractions can cause you to lose control.

##### **4. STAY ALERT. WATCH WHAT YOU ARE DOING, AND USE COMMON SENSE WHEN OPERATING POWER EQUIPMENT. DO NOT USE POWER EQUIPMENT WHILE TIRED OR UNDER THE INFLUENCE OF DRUGS, ALCOHOL, OR MEDICATION.**

A moment of inattention while operating may result in serious personal injury.

##### **5. RISK OF ENTANGLEMENT!**

Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair,

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clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.

**6. AVOID ACCIDENTAL STARTING. BE SURE THE POWER SWITCH IS OFF BEFORE PLUGGING IN.**

**7. KEEP HANDS AND FEET CLEAR.**

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

**8. DO NOT OVERREACH. KEEP PROPER FOOTING AND BALANCE AT ALL TIMES.**

Proper footing and balance enables better control of the lift in unexpected situations.

**9. USE SAFETY EQUIPMENT.**

Always wear approved safety impact eye goggles underneath a full face shield.

**10. ONLY TRAINED PERSONNEL 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.

**12. DO NOT USE LIFT IF THE POWER SWITCH DOES NOT WORK PROPERLY.**

Any equipment with a broken POWER SWITCH is dangerous and must be repaired or replaced before operation.

**13. DISCONNECT THE POWER CORD PLUG FROM THE POWER SOURCE BEFORE MAKING ANY ADJUSTMENTS, CHANGING ACCESSORIES, OR STORING THE LIFT**

Such preventive safety steps reduce the risk of starting the equipment accidentally.

**14. MAINTAIN POWER EQUIPMENT WITH CARE**

Properly maintained equipment is less likely to fail and is easier to control. Do not

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operate damaged equipment. Tag the damaged equipment “Do not use” until repaired.

**15. CHECK FOR MISALIGNMENT OR BINDING OF MOVING PARTS, BREAKAGE OF PARTS, AND ANY OTHER CONDITION THAT MAY AFFECT THE EQUIPMENT’S OPERATION. IF DAMAGED, HAVE THE EQUIPMENT SERVICED BEFORE OPERATION.**

Many accidents are caused by poorly maintained equipment.

**16. USE ONLY ACCESSORIES THAT ARE RECOMMENDED BY THE MANUFACTURER.**

Accessories that may be suitable for one piece of equipment may become hazardous when being used on another piece of equipment.

**17. SERVICE MUST BE PERFORMED BY QUALIFIED PERSONNEL.**

Service or maintenance performed by unqualified personnel could result in a risk of injury.

**18. WHEN IN SERVICE, USE ONLY IDENTICAL REPLACEMENT PARTS.**

Follow instructions in the “INSPECTION, MAINTENANCE, AND CLEANING” section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

**19. GROUNDED TOOLS MUST BE PLUGGED INTO AN OUTLET PROPERLY INSTALLED AND GROUNDED IN ACCORDANCE WITH ALL CODES AND ORDINANCES. NEVER REMOVE THE GROUING PRONG OR MODIFY THE PLUG IN ANY WAY. DO NOT USE ANY ADAPTER PLUGS. CHECK WITH A QULIFIED ELECTRICIAN IF YOU ARE IN DOUBT AS TO WHETHER THE OUTLET IS PROPERLY GROUNDED.**

If the tools should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.

**20. DO NOT CHANGE THE PLUG IN ANY WAY.**



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Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit. Contact a qualified electrician to install a polarized outlet. Double insulation eliminates the need for the three wire grounded Power Cord and grounded power supply system.

**21. AVOID BODY CONTACT WITH GROUNDED SURFACES SUCH AS PIPES, RADIATOR AND RANGES.**

There is an increased risk of electric shock if your body is grounded.

**22. DO NOT EXPOSE POWER TOOLS TO RAIN OR WET CONDITIONS.**

Water entering a power tool will increase the risk of electric shock

**23. DO NOT ABUSE THE POWER CORD.**

Never use the Power Cord to pull the plug from an outlet. Keep the Power Cord away from heat, oil, sharp edges, or moving parts. Replace damaged Power Cords immediately. Damaged Power Cords increase the risk of electric shock.

**24. IMPROPERLY CONNECTING THE GROUNDING WIRE CAN RESULT IN THE RISK OF ELECTRIC SHOCK.**

Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the tool. Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

**25. IMPORTANT!**

The lift is to be powered by a 110 volt, grounded, electrical outlet, and a 110 volt grounded power cord. **This wiring procedure must only be done by a qualified, certified electrician.**

**26. DANGER!**

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Make sure you know the weight of the vehicle you are going to lift before using the Lift. Do not exceed the maximum lift capacity **(6000 pounds)** for the Lift. Overloading the Lift could cause personal injury and / or property damage. Be aware of dynamic loading! If a weight suddenly falls onto the Lift. It may create for a brief instant an excess load which may result in personal injury and / or damage to the vehicle and Lift.

**27. USE THE LIFT ONLY IN VENTILATED AREAS.**

Carbon monoxide exhausted from running vehicle engines is a colorless, odorless fume that, if inhaled, can cause serious personal injury.

**28. MAKE SURE TO READ AND UNDERSTAND ALL INSTRUCTIONS AND SAFETY PRECAUTIONS AS OUTLINED IN THE MANUFACTURER'S MANUAL.**

All four Rubber Saddles (39B) of the Lift must be used when lifting a vehicle.

Always use the manufacturer's recommended lifting points.

**29. DO NOT USE THE LIFT ON ANY ASPHALT SURFACES.**

Make sure the Lift is used on a dry, oil/grease free, flat, level, **concrete** surface capable of supporting the weight of the Lift. Do not use the Lift on concrete expansion seams or on cracked, defective concrete.

**30. ALWAYS EXAMINE THE LIFT FOR STRUCTURAL CRACKS,**

bends, damage to the hydraulic hoses and electrical wiring, and any other condition that may affect the safe operation of the Lift. Do not use the Lift even if minor damage is detected.

**31. IMPORTANT!**

Operation (raising or lowering) of the Lift can be immediately stopped at any time by releasing pressure on the POWER SWITCH located on the Motor.

**32. MAKE SURE**

the oil tank is completely filled (approx. 2 gal.) with a premium quality hydraulic oil prior to operation the Lift.

**33. ALWAYS**

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allow at least two seconds after the Motor starts to raise or lower the Lift. Failure to do so may cause the Motor to burn out.

**34. PRIOR TO BEGINNING A JOB, MAKE SURE THE SAFETY LOCK ASSEMBLY (36B) AND ITS SAFETY CATCHES ARE IN THE PROPER POSITION.**

Never work underneath a vehicle without using additional safety support devices to support the vehicle.

**35. ALWAYS KEEP HANDS, FINGERS, AND FEET AWAY FROM THE MOVING PARTS OF THE LIFT WHEN APPLYING OR RELEASING A LOAD.**

Remain clear of the Lift when raising or lowering a vehicle.

**36. USE EXTREME CAUTION WHEN APPLYING OR RELEASING A LOAD.**

Never allow the load to suddenly release. Slowly and carefully apply and release the load.

**37. NEVER LEAVE THE LIFT UNATTENDED WHEN THE LIFT IS UNDER A LOAD.**

**38. MAKE SURE THE LIFT IS FULLY LOWERED BEFORE DRIVING A VEHICLE ONTO THE LIFT.**

Before driving a vehicle onto the Lift, position the Plates (42B) and Rubber Saddles (39B) inward. Do not hit or run over the Plates and Rubber Saddles, as this could damage the vehicle. Make sure the Lift is fully lowered before driving the vehicle off.

**39. Should any weight component be removed from, or added to the vehicle, use a jack stand (not included) to support the over balanced end during the maintenance procedure.**

Do not operate the Lift if the vehicle load tilts or binds during the up or down movement.

Always position the vehicle with the center of gravity midway between the Rubber Saddles (39B).avoid excessive rocking of the vehicle while it is its raised position.

**40. NEVER LIFT A VEHICLE WITH ANYONE INSIDE IT.**

Do not allow others in the lift area while operating the Lift. Do not allow anyone to ride on the Lift while it is being raised or lowered.

**41. WHEN LIFTING A VEHICLE, RAISE THE RUBBER SADDLES (39B) SLOWLY**

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**UNTIL THE RUBBER SADDLES SECURELY CONTACT THE VEHICLE'S LIFTING POINTS.**

Then, lift the vehicle to the desired working height. Always lift the vehicle high enough for the Safety Lock Assembly (36B) to operate properly.

**42. DO NOT USE THE LIFT AS A PERMANENT STAND FOR A VEHICLE.**

Use the Lift only while making repairs. Then, immediately remove the vehicle from the Lift.

**43. BEFORE LOWERING THE LIFT, MAKE SURE TOOL TRAYS, STANDS, AND ALL OTHER TOOLS OR EQUIPMENT ARE REMOVED FROM UNDER THE VEHICLE.**

**44. MAKE SURE**

To squeeze and hold in on the Brake Lever (13B) before attempting to lower the vehicle. Do not release the Brake Lever until the Lift is lowered completely.

**45. BEFORE REMOVING A VEHICLE FROM THE LIFT MAKE SURE THE PLATES(42B) AND RUBBER SADDLES(39B) ARE MOVED INWARD TO PROVIDE AN UNOBSTRUCTED EXIT.**

In the general rated load state of the lift , noises should under 75dB

**46. FORBID TEARING UP THE WARNING OR OTHER LABELS OF THE LIFT.**

*The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.*

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## **ASSEMBLY INSTRUCTIONS**

### **DETERMINE THE PROPER LIFT LOCATION:**

- 1. DO not** use the Lift on any asphalt surface. Make sure the Lift is used on a dry, oil/grease free, flat, level, concrete surface capable of supporting the weight of the Lift. Do not use the Lift on concrete expansion seams or on cracked, defective concrete.
- 2.** Make sure to check the desired location for possible obstructions such as a low ceiling, overhead lines, adequate working area, access ways, exits, etcetera.
- 3.** Make sure to allow a minimum space of 14 feet in front and behind the Lift to accommodate all vehicles. Certain allowances should be made for special vehicle requirements or unusual floor plans.

### **ATTACH THE POWER UNIT TO THE LIFT:**

- 1.** Locate the Hydraulic Pump in an area where it will be out of the way, is safe from damage and weather, and where it can be easily reached to operate.
- 2.** One end of the General Inlet Pipe (18B) has been pre-attached to the Lift by the manufacturer. To attach the remaining end of the General Inlet Pipe to the Hydraulic Pump wrap the male threads of the Oil Pipe Connector (17B) with pipe thread seal tape (not included). Remove the Oil Filler Nut Cap from the threaded Hydraulic Oil Delivery Port. Tighten the Oil Pipe Connector into the Hydraulic Oil Delivery Port.
- 3.** One end of the Brake Steel Cable (10B) has been pre-attached to the Lift by the manufacturer. The Brake Lever Assembly (13B) is located on the remaining end of the Brake Steel Cable, and must be attached to the Handle (1B) of the Dolly. To do so, slide the Brake Lever Assembly onto the Handle. Then, secure the Brake Lever Assembly by the Handle by tightening the Bolt (14B).

### **FILL THE OIL TANK WITH HYDRAULIC OIL:**

The hydraulic Oil Tank has a holding capacity of 2 gal. To fill the Oil Tank, squeeze and hold the Brake Lever (13B) to release any load on the Lift. Remove the Oil Tank Fill

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Cap on the Oil Tank. Add a premium quality hydraulic oil until the level of the oil is even with the Oil Tank's fill hole. Then, replace the Oil Tank Fill Cap. Before the first use and before all subsequent uses, check the hydraulic oil tank to make sure the Oil Tank is properly filled.

## **OPERATING INSTRUCTIONS**

### **CHECK THE SAFETY LOCK ASSEMBLY:**

- 1. WARNING!** Never operate the Lift if the Safety Lock Assembly is not working properly.
- 2.** Plug the Power Cord of the Lift into a properly grounded, 3-hole, electrical receptacle and allow several seconds for the Motor to warm up.
- 3.** Squeeze and release the Brake lever (13B) several times and, while doing so, observe that the Safety Lock Assembly operates properly in response to the Brake Lever. Then, release pressure on the Brake Lever.
- 4.** Press on the POWER SWITCH and hold, and observe that the Safety Lock Assembly "clicks" into place as the Lift rises. **NOTE:** there are safety catches on the Safety Lock Assembly as the Lift rises. Once the Safety Lock Assembly locks into each of these safety catches, you must squeeze and hold in on the Brake Lever (13B) to lower the Lift.
- 5.** Once the Lift is fully elevated, release pressure on the POWER SWITCH.
- 6.** Without squeezing the Brake Lever (13B), press in on the Pressure Relief Valve Handle and hold. Observe that the Lift will not lower, as the Safety Lock Assembly is engaged.

**CAUTION: If the Safety Lock Assembly does not engage, fully lower the Lift and have a qualified service technician immediately repair the Safety Lock Assembly.**

- 7.** Should the Safety Lock Assembly not operate as described in step #6, raise the Lift slightly to take pressure off the safety catches. Then, while squeezing the Brake Lever

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(13B) lower the Lift fully to the floor.

**NOTE:** When working properly, you must BOTH squeeze in and hold the Brake Lever and press in and hold the Pressure Relief Valve Handle to lower the Lift.

**POSITION, LIFT AND LOWER A VEHICLE ON THE LIFT:**

1. Before driving a vehicle onto the Lift make sure that the Lift is fully lowered, and position the Plates (42B) and Rubber Saddles (39B) inward.
2. Drive the vehicle over the Lift while keeping the vehicle parallel with the Lift and aligning the center of gravity of the vehicle with the center of the Lift. **NOTE:** the "Center Of Gravity" (COG) of the vehicle is the balance point at which there is equal weight in front of and behind the COG and equal weight on both sides of the COG. The COG is not necessarily the dimensional center of the vehicle, but is often slightly toward the engine from the dimensional center of the vehicle.
3. Turn off vehicle's engine and engage the parking brake of the vehicle.
4. Read the vehicle owner's manual to identify the recommended vehicle lifting points.
5. Move the Plates (42B) outward, and position the Rubber Saddles (39B) to contact the vehicle lifting points.
6. Do not lift the vehicle if you cannot establish secure and level lifting points. Do not use sub-standard shims or other devices in place of approved and recommended Rubber Saddles (39B) adapters. Never use the Lift without the Rubber Saddles in place on each Plate (42B) and in contact with the lifting points of the vehicle.
7. Once the Rubber Saddles (39B) have been positioned under the vehicle lifting points, operate the POWER SWITCH to lift the vehicle slightly, and test to make sure the vehicle is well balanced and the contact between the Rubber Saddles and vehicle lifting points are secure. Then, proceed to lift the vehicle to the desired height.
8. When the vehicle has been lifted to the desired height, and the Safety Lock Assembly has locked in place, make sure to install proper safety jack stands (not included), under the vehicle once it is lifted to the desired height, as an additional safety measure.

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9. Once the repair work to the vehicle is completed make sure to remove all tools, safety jack stands, and materials from under the vehicle and Lift. Also, make sure the work area is clear and it is safe to lower the vehicle.
  10. To lower the Lift, use the **POWER SWITCH** and raise the vehicle slightly to take weight off the Safety Lock Assembly, and then release pressure.
  11. Stand well away from the Lift and vehicle. Then squeeze and hold in the Brake Lever (13B) while at the same time pushing in and holding the Pressure Relief Valve Handle to slowly lower the Lift all the way down to the floor.
  12. Move the Rubber Saddles (39B) and Plates (42B) inward, out of the path of the vehicle.
  13. Disengage the vehicle parking brake. Start the vehicle's engine, and drive the vehicle off the Lift slowly and carefully.



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## INSPECTION, MAINTENANCE, AND CLEANING

**WARNING!** Always unplug the Power Cord from its electrical outlet before performing any inspection, adjustments, maintenance, or cleaning.

1. **BEFORE EACH USE**, inspect the general condition of the Lift. Check for loose screws, misalignment or binding of moving parts, checked or broken parts, damaged electrical wiring and hoses, and any other condition that may affect its safe operation. If abnormal noise or vibration occurs, have the problem corrected before further use. **Do not use damaged equipment.**
2. **DAILY:** With compressed air or a vacuum, remove all dirt and debris from the Lift. Also, use a detergent or mild solvent to remove oil and grease from the unit. Then, use a premium quality, machine oil to lubricate all moving parts.
3. **DAILY:** Check the level of hydraulic oil in the Oil Tank has a holding capacity of 2 gal .to fill the Oil Tank, squeeze and hold the Brake lever to release any load on the Lift. Remove the Oil Tank Fill Cap on the Oil Tank. Add a premium quality hydraulic oil until the level of oil is even with the Oil Tank's fill hole. Then, replace the Oil Tank Fill Cap.

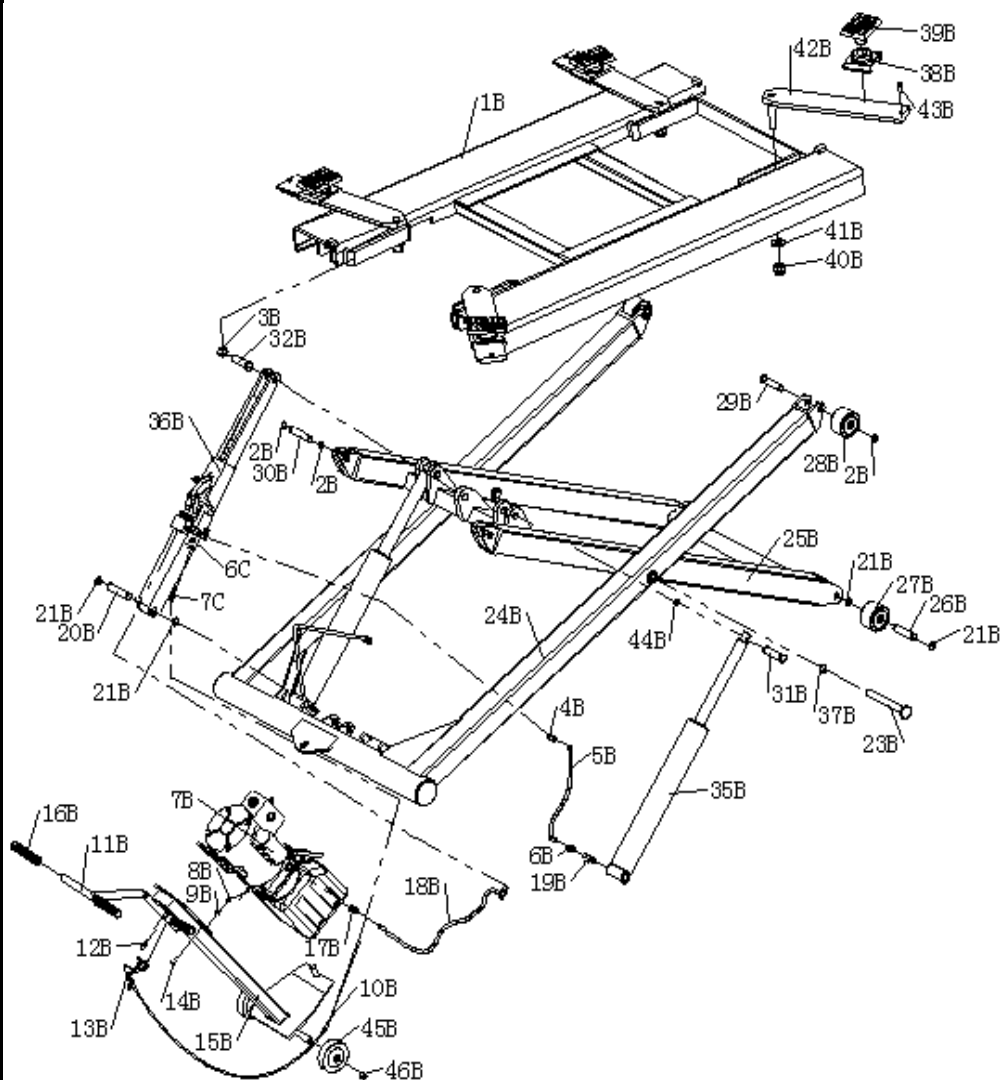
## TROUBLE-SHOOTING GUIDE

PROBLEM	CAUSE	SOLUTION
<b>Motor dose not run</b>	No power supply	Replace the cable, the end of wire or fuse box
	The voltage is incorrect	Apply the correct voltage
	The operate button damaged	Replace the operate button
	Motor windings burned out	Replace Motor
<b>Motor runs but will not raise lift</b>	Motor runs in reverse rotation	Change Motor rotation by reverse leads
	Unload valve stuck open	Replace or repair unload valve
	Pump sucking air	Tighten all suction lines
	Low oil level	Fill Tank
<b>Motor runs and raise unloaded lift but will not raise vehicle</b>	Motor running on low voltage	Supply correct voltage to Motor
	Overloading	Check vehicle weight on lift
	Unload valve invalidation	Replace unload valve
<b>Does not lower</b>	Unload valve operate Handle is damage	Replace unload valve operate Handle
	Hydraulic oil is dirty	Replace the hydraulic oil



# MR6K-48

Kernel Edition 1.0  
Mar.2008



## Spare Parts List

ITEM	DESCRIPTION	QTY
1B	Table	1
2B	Retaining ring	6
3B	Locking nut	1
4B	Oil pipe connector	3
5B	Branch inlet pipe	2
6B	Oil pipe connector	2
7B	Oil supply fitting	1
8B	Nut	4
9B	Washer	4
10B	Breake steal cable	1
11B	Handle	1
12B	Hex screw	4
13B	Brake bribe	1
14B	Bolt	4
15B	Transmission holder	1
16B	Rubber cap	1
17B	Oil pipe connector	1
18B	General inlet pipe	1
19B	Check valve	2
20B	Safety locking pin	1
21B	Retaining ring	6
23B	Scissor pin	2
24B	Scissor outside	1

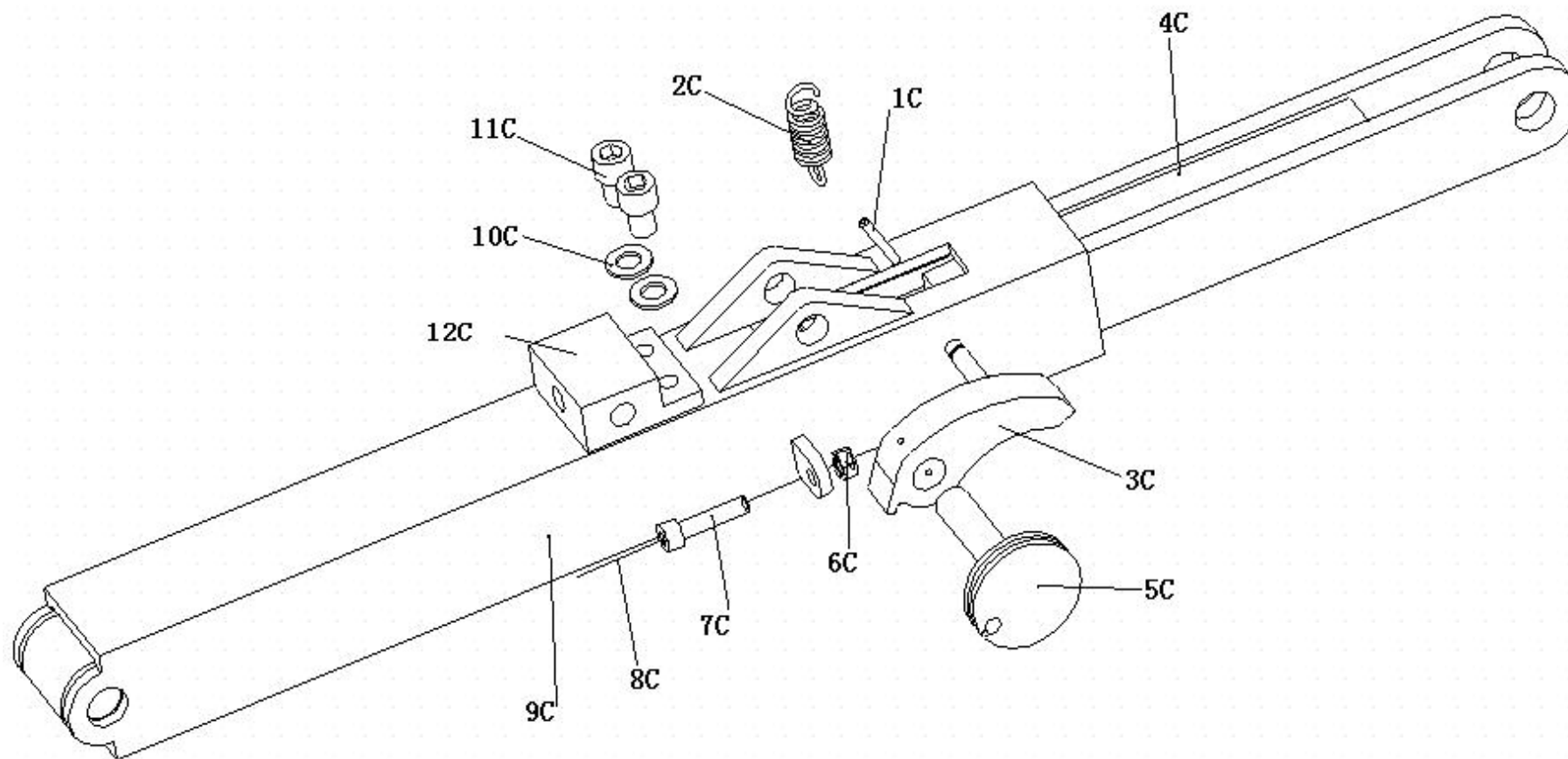
ITEM	DESCRIPTION	QTY
25B	Scissor inside	1
26B	Wheel pin	2
27B	Big wheel	2
28B	Small wheel	2
29B	Wheel pin	2
30B	Coneccion pin	2
31B	Cylinder pin	2
32B	Safety locking pin	1
33B	Bolt	1
34B	Nut	1
35B	Cylinder assembly	2
36B	Safety locking assembly	1
37B	Retaining ring	2
38B	Saddle holder	4
39B	Rubber saddle	4
40B	Locking nut	4
41B	Washer	4
42B	Plate	4
43B	Bolt	4
44B	Ring	2
45B	Wheel	2
46B	Nut	2

\* Easily Worn Parts



# MR6K-48

Kernel Edition 1.0  
Mar.2008



## Spare Parts List

ITEM	DESCRIPTION	QTY
1C	Pin	1
2C	Spring	1
3C	Lock block	1
4C	Lock pole	3

\* Easily Worn Parts

ITEM	DESCRIPTION	QTY
5C	Lock wheel	1
6C	Nut	1
7C	Bolt	1
8C	Steel wire cable	1

ITEM	DESCRIPTION	QTY
9C	Lock sheath	1
10C	Washer	1
11C	Bolt	1
12C	Check valve	1

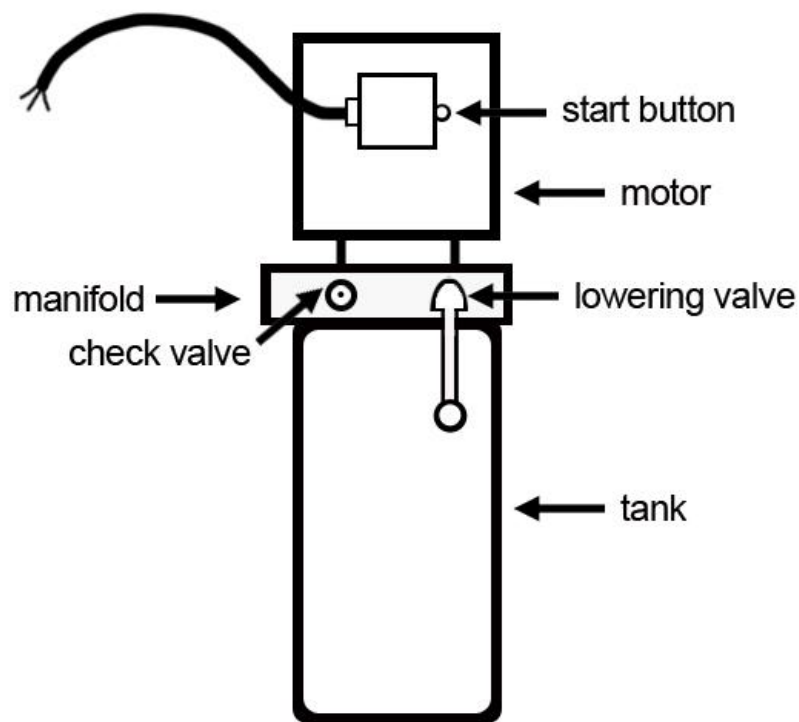


## **IMPORTANT**

### **POWER UNIT PRIMING PROCEDURE**

**THE PROBLEM: Power unit runs fine but will not pump any fluid.**

Step 1 – Locate the check valve, the flush plug to the left of the lowering valve.  
(See drawing below.)



Step 2 – Using an Allen wrench and shop towel – with shop towel in place to catch fluid – loosen the check valve plug 2 ½ turns to allow it to leak.

Step 3 – Push the START button for one second, then release for three seconds.  
Repeat these steps until unit starts pumping fluid.

Step 4 – Tighten the check valve plug.

**YOUR POWER UNIT SHOULD BE PRIMED**