

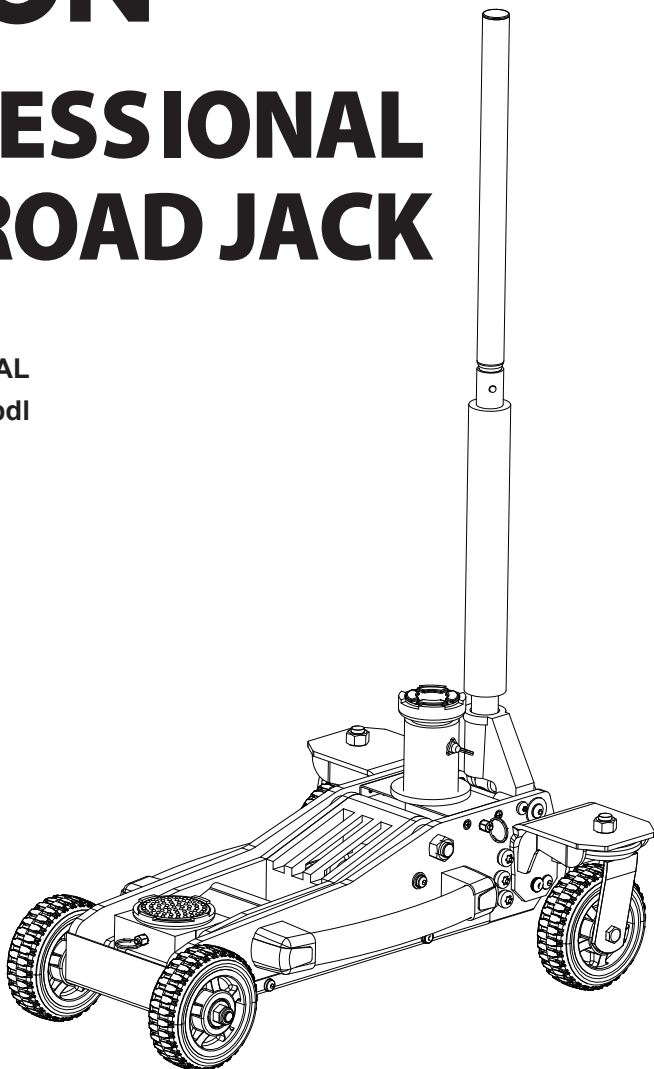
# 3 TON

# PROFESSIONAL

# OFF-ROAD JACK

OWNER'S MANUAL

Item# AS830007pdl



 **WARNING!**

Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

## TECHNICAL SPECIFICATIONS

Item No.	Capacity	Lifting Range Min. (inch)	Lifting Range Max. (inch)	Lifting Range Min. (mm)	Lifting Range Max. (mm)	
AS830007pdl	Without adaptor	3 TON	6.14	21.73	156	552
	With SUV adaptor		10.63	29	270	736

## SAFETY INSTRUCTIONS

### Read Operating Instructions

Study, understand and follow all instructions in this manual before operating the jack. Failure to heed these warnings may result in loss of load, damage to the jack and/or jack failure resulting in personal injury or property damage.

### Position the Jack

Position the jack to only lift on the areas of the vehicle specified by the vehicle manufacturer.

### Use Support Stands

After lifting the vehicle always support the load with appropriately rated vehicle supports stands before working on the vehicle.

### Do Not Overload Jack

Do not overload this jack beyond its rated capacity. Overloading this jack beyond its rated capacity can cause damage to or failure of the jack.

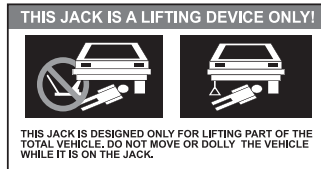
### Use on Hard Level Surface

This jack is designed only for use on hard level surfaces capable of sustaining the load. Use on other than hard level surfaces can result in jack instability and possible loss of load.

### Center Load on Jack Saddle

Center load on jack saddle before lifting vehicle. Off-center loads and loads lifted when the jack is not level can cause loss of load or damage to the jack.

**Keep hands and feet clear of the jack hinge mechanism and ground contact area when lowering the load !**



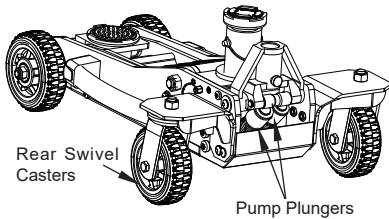
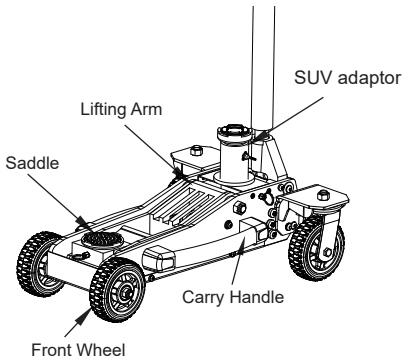
## SAFETY MARKINGS

### ⚠ WARNING!

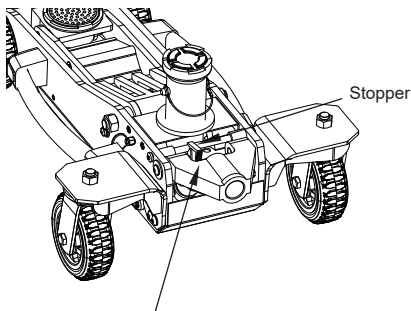
1. Study, understand, and follow all instructions before operating this device.
2. Do not exceed rated capacity.
3. Use only on hard, level surfaces, with less than 3 degrees of slope.
4. Lifting device only. Immediately after lifting, support the vehicle with appropriate means.
5. Do not move or dolly the vehicle while on the jack.
6. Lift only on areas of the vehicle as specified by the vehicle manufacturer
7. No alterations shall be made to this product.
8. Only attachments and/or adaptors supplied by the manufacturer shall be used.
9. Do not get under or allow anyone under the vehicle until it has been supported by jack stands.
10. Center load on saddle prior to lifting.
11. Use wheel chocks or other blocking device on opposing wheels before using jack.
12. Never use the jack on a lawn mower or on a lawn tractor.
13. Do not use the jack for any use other than the manufacturer specified usage.
14. Do not rock the vehicle while working on or around equipment.
15. The following are not recommended for supporting on this equipment: Foundations, Homes, Mobile Homes, Trailers, RV's, Campers, nor Fifth Wheels, etc...
16. Failure to heed these markings may result in personal injury and/or property damage.

## ASSEMBLY

1. Familiarize yourself with the jack.



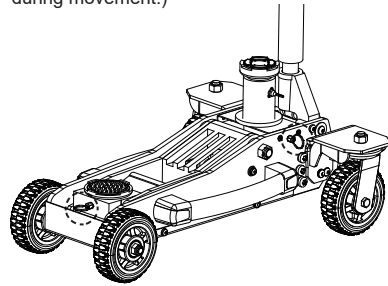
2. Prior to assembly, carefully remove the stopper attached to the handle socket. **CAUTION:** The socket will tend to spring upward when the stopper is removed. To prevent possible injury, place one hand on the top of handle socket to control the upward motion of the handle socket and then carefully remove the stopper. After removing, slowly allow handle socket to rise back into resting position.



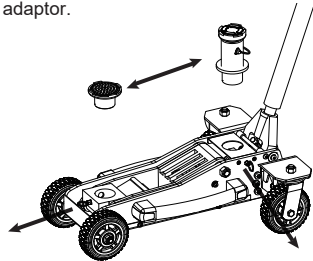
### ⚠ WARNING!

Once retaining stopper is removed, **SLOWLY** allow handle socket to rise back into resting position. Use **CAUTION** when removing retaining stopper, handle socket will spring forward rapidly.

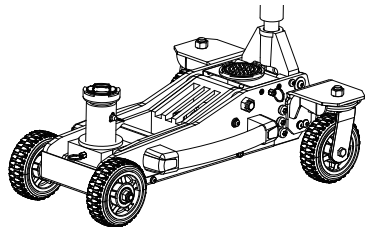
3. Securely fasten the low profile saddle and the SUV adaptor with the fastener. (Firmly tighten to secure the low profile and the SUV adaptor during movement.)



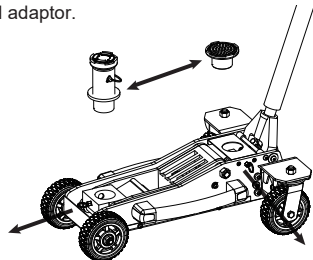
4. To switch between low profile to SUV height:  
a. Put out the fasteners and remove the saddle and adaptor.



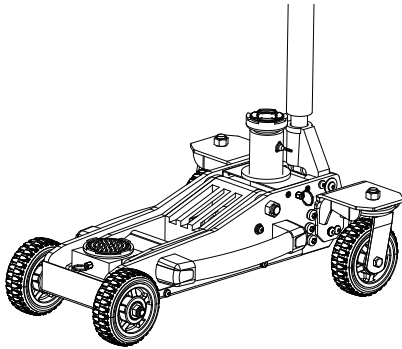
b. Put the low profile saddle in the saddle bracket plate, release the fastener while rotating the low profile saddle. Put the SUV adaptor in the cover plate, release the fastener while rotating the SUV adaptor.



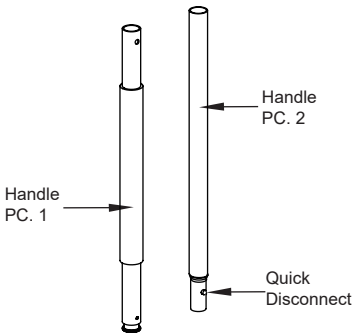
5. To switch between SUV height to low profile:  
a. Put out the fasteners and remove the saddle and adaptor.



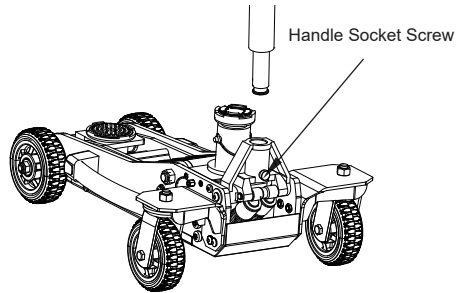
b. Put the SUV adaptor in the saddle bracket plate, release the fastener while rotating the SUV adaptor. Put the low profile saddle in the cover plate, release the fastener while rotating the low profile saddle.



6. Refer to picture below when performing assembling handle sections. Press Quick Disconnect on handle piece 2, this will allow slide handle pieces 1 and 2 to connect, align the holes on both sections to allow quick disconnect to trigger. Quick disconnect will automatically pop out when hole position is correct.



7. Unfasten the screw located in the Handle Socket to insert the assembled handle.



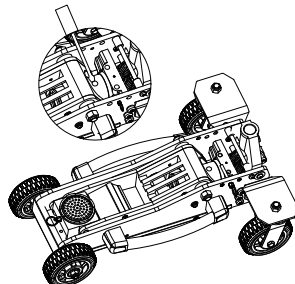
8. Line up the square hole located at the bottom of the handle over the square bolt inside the Handle Socket.
9. Secure the handle in place by tightening the screw in the handle socket without any vehicle on the jack. Cycle the lift up and down several times to ensure the hydraulic system is operating properly. (Perform the System Air Purge Procedure before first use.)

**⚠ WARNING:** Do not lift or carry the jack by the handle. Handle could dislodge and jack may fall, resulting in possible injury or property damage.

### SYSTEM AIR PURGE PROCEDURE

**IMPORTANT: BEFORE FIRST USE**  
Perform the following System Air Purge Procedure to remove any air that may have been introduced into the hydraulic system as a result of product shipment and handling. This step is to be completed without any weight on the jack.

1. Remove cover plate.
2. Turn release valve counter-clockwise on full turn to the open position.
3. Rapidly pump the handle 6-8 times. Leave handle in down position to expose oil fill plug.
4. With a flat blade screwdriver, unscrew the oil fill plug slightly to purge trapped air from system. (For RUBBER OIL PLUGS, use caution not to tear or puncture the oil plug).



5. Replace Cover Plate.
6. Turn release valve clockwise to the closed position.
7. Jack is now ready for use. Check for proper pump action. (Repeat all the steps if necessary).

## BEFORE USE

1. Before using this product, read the owner's manual completely and familiarize yourself thoroughly with the product and the hazards associated with its improper use.
2. Perform the air purge procedure. (See System Air Purge Procedure.)
3. Check that the pump operates smoothly before putting the jack into service.
4. Inspect before each use. Do not use if bent, broken or cracked components are noted.

## OPERATION

### RAISING THE JACK

1. Block the vehicle's wheels for lifting stability. Secure the load to prevent inadvertent shifting and movement.
2. Position the jack near desired lift point.
3. Set the Parking Brake in the vehicle.
4. Refer to the vehicle manufacturer owner's manual to locate approved lifting points on the vehicle. Position the jack so that the saddle is centered and will contact the load lifting point firmly.
5. Assemble the handle; ensure to align with slots.
6. Close the release valve by turning it clockwise until it is firmly closed.
7. Before raising the vehicle, double-check and verify that the saddle is centered and also has full contact with the lifting point.
8. Pump the handle to lift until the saddle contacts the load. Continue to pump the jack handle to lift the vehicle to the desired height. After lifting, support the load with appropriately rated vehicle support stands before working on the vehicle.

**⚠ CAUTION:** NEVER WIRE, CLAMP OR OTHERWISE DISABLE THE LIFT CONTROL VALVE TO FUNCTION BY ANY MEANS OTHER THAN BY HAND. USE THE HANDLE PROVIDED WITH THIS PRODUCT OR AN AUTHORIZED REPLACEMENT HANDLE TO ENSURE PROPER RELEASE VALVE OPERATION. DO NOT USE EXTENSIONS ON THE OPERATING HANDLE.

### LOWERING THE JACK

1. Raise load high enough to allow clearance for the jack stands to be removed, then carefully remove jack stands.
2. Remove support stands.
3. Grasp the handle firmly with both hands. Securely hold on to the jack handle so your hands do not slip and ensure the release valve does not rapidly lower.
4. Carefully open the Release Valve by slowly turning the handle counter-clockwise. (Do not allow bystanders around the jack or under the load when lowering the jack.)
5. After removing jack from under the load, keep jack in the lowered position to reduce exposure to rust and contamination.

**⚠ WARNING:** USE EXTREME CAUTION WHEN LOWERING THE JACK. THE JACK HANDLE MAY TURN RAPIDLY. OPENING THE RELEASE VALVE TOO FAST CAN CAUSE THE JACK TO LOWER RAPIDLY. FAILURE TO HEED THESE WARNINGS COULD CAUSE SERIOUS INJURY OR DEATH.

## MAINTENANCE INSTRUCTIONS

If you use and maintain your equipment properly, it will give you many years of service. Follow the maintenance instructions carefully to keep your equipment in good working condition. Never perform any maintenance on the equipment while it is under a load.

### Inspection

You should inspect the product for damage, wear, broken or missing parts (e.g.: pins) and that all components function before each use. Follow lubrication and storage instructions for optimum product performance.

### Binding

If the product binds while under a load, use equipment with equal or a larger load capacity to lower the load safely to the ground. After unbinding; clean, lubricate and test that equipment is working properly. Rusty components, dirt, or worn parts can be causes of binding. Clean and lubricate the equipment as indicated in the lubrication section. Test the equipment by lifting without a load. If the binding continues, contact Customer Service.

### Cleaning

If the moving parts of the equipment are obstructed, use cleaning solvent or another good degreaser to clean the equipment. Remove any existing rust, with a penetrating lubricant.

### Lubrication

This equipment will not operate safely without proper lubrication. Using the equipment without proper lubrication will result in poor performance and damage to the equipment. Some parts in this equipment are not self-lubricating. Inspect the equipment before use and lubricate when necessary. After cleaning, lubricate the equipment using a light penetrating oil or lubricating spray.

- Use a good lubricant on all moving parts.
- For light duty, use lubrication once a month.
- For heavy and constant use, it is recommended to use lubrication every week.
- NEVER USE SANDPAPER OR ABRASIVE MATERIAL ON THESE SURFACES!

### Rust Prevention

Check rams and pump plungers on the power unit assemblies daily for any signs of rust or corrosion. Without a load, lift the equipment as high as it goes and look under and behind the lifting points. If signs of rust are visible, clean as needed.

### Grease Fittings

Some models contain grease fittings that will regularly need to be greased and lubricated.

### How the Jack Operates

With release valve closed, an upward stroke of the jack handle draws oil from the reservoir tank into the plunger cavity. Hydraulic pressure holds the valve closed, which keeps the oil in the plunger cavity. A downward stroke of the jack handle releases oil into the cylinder, which forces the ram out. This raises the saddle. When the ram reaches maximum extension, oil is bypassed back into the reservoir to prevent an over extended ram stroke and possible damage to the jack. Opening the release valve allows oil to flow back into the reservoir. This releases hydraulic pressure on the ram, which results in lowering the saddle.

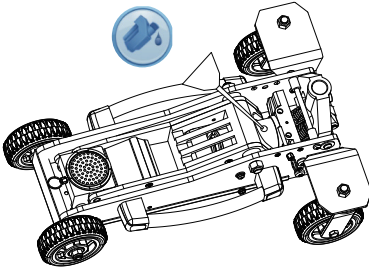
### Storing the Jack

1. Lower the Lifting ram.
2. Place the handle in the upright position.
3. Store in a dry location, preferably indoors.

Note: If the jack is stored outdoors, be sure to lubricate all parts before and after use to ensure the jack stays in good working condition. Always store the jack in the fully retracted position when stored in outdoor or caustic environments that can cause corrosion and/or rust.

## TO ADD OIL TO THE JACK

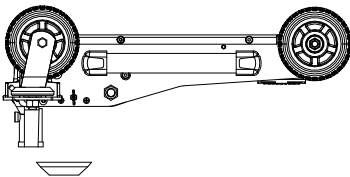
1. Position the jack on level ground and lower the saddle.
2. Remove the cover plate.
3. Remove the oil plug.
4. Fill the oil tank until oil level is just beneath the lower rim of the oil fill hole.



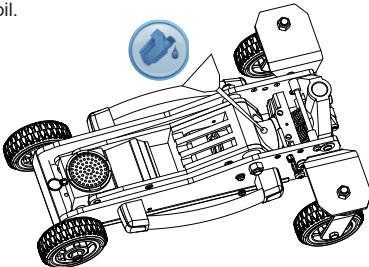
5. Replace the oil plug.
6. Replace the cover plate and perform the Air Purge Procedure.

## TO REPLACE JACK OIL

1. Position the jack on level ground and lower the saddle.
2. Open release valve by turning handle counter-clockwise.
3. Remove cover plate.
4. Remove the oil plug.
5. Turn the jack on its side to drain old oil from the oil fill hole.



6. Position the jack on level ground and keep saddle in the lowered position. Fill the oil case until oil level is just beneath the lower rim. Keep clear of dirt and other foreign materials when pouring the oil.



7. Replace the oil plug.
8. Replace the cover plate and perform the Air Purge Procedure.

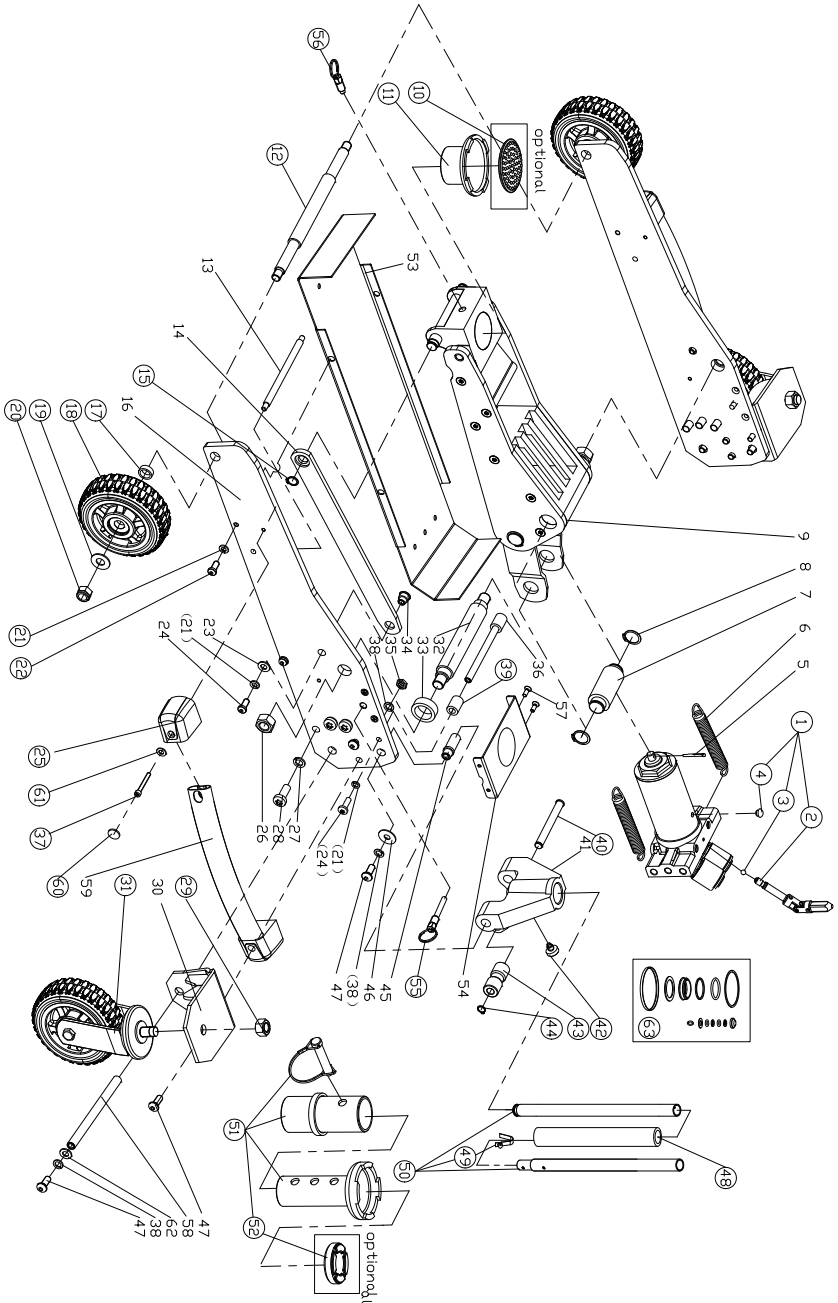
### ⚠️ ADDITIONAL WARNINGS:

- DO NOT USE MOTOR OIL IN THE JACK.
- ONLY USE ANTI-FOAMING JACK OIL.
- ALWAYS USE A GOOD GRADE HYDRAULIC JACK OIL.
- DO NOT USE HYDRAULIC BRAKE FLUID, ALCOHOL, GLYCERIN DETERGENT, MOTOR OIL OR DIRTY OIL.
- USE OF A NON-RECOMMENDED FLUID CAN CAUSE DAMAGE TO A JACK.
- AVOID MIXING DIFFERENT TYPES OF FLUID AND NEVER USE BRAKE FLUID, TURBINE OIL, TRANSMISSION FLUID, MOTOR OIL OR GLYCERIN. IMPROPER FLUID CAN CAUSE PREMATURE FAILURE OF THE JACK AND THE POTENTIAL FOR SUDDEN AND IMMEDIATE LOSS OF LOAD.
- DISPOSE OF HYDRAULIC FLUID IN ACCORDANCE WITH LOCAL REGULATIONS.

### ADDITIONAL LUBRICATION:

1. Periodically check the pump piston and ram for signs of rust or corrosion. As needed, thoroughly wipe with a clean, non-scratching, oil-soluble cloth. NEVER USE SANDPAPER OR ABRASIVE MATERIAL ON THESE SURFACES!
2. When not in use, store the jack with pump piston and ram fully retracted.

# ASSEMBLY DIAGRAM



REF#	PART#	DESCRIPTION	QTY
1	T830003XDL.7	Power unit assembly	1
2	T830023.4.1(asm)	Universal joint assembly	1
3	GB/T 308	Steel ball Ø6mm	1
4	TF1201C-29	Oil plug	1
5		Cotter pin Ø4x45mm	1
6		Return spring	2
7		Coupling connector	1
8		C-clip Ø25mm	4
9		Lifting arm assembly	1
10	T815016CL-1	Saddle pad	1
11	T830003XDL.5	Saddle	1
12	T830003XDL-5	Shaft for front wheel	1
13		Position rod	1
14		Connected bar	2
15	GB/T 894.1	C-clip Ø16mm	2
16		Side frame	2
17	T830003XDL-4	Sleeve for front wheel	2
18	T830003XDL.1	Front wheel	2
19	GB/T 97.1	Washer M14	2
20	GB/T 889.1	Nut M14	2
21	GB/T 859	Spring Washer M8	8
22	GB/T 70.2	M8X20	4
23		Washer M8	2
24		M8X25	4
25	T830007XDL.1.2-2	handle oushing	4
26		Nut M18	2
27		Spring Washer M12	6
28		M12X30	6
29	GB/T 889.1	Nut M16	2
30		Caster base	2
31	T830007XDL.2	Rear Caster Assembly	2
32		Supporting shaft	1
33		Bush for supporting shaft	2
34		Connecting rod pintle	2
35		Nut M10	4
36		Limited rod	1
37	GB/T 70.1	M6X50	4
38		Spring Washer M10	8
39	T825011CL-1	Nglon sleeve	2
40	T825011CL.2-2	Pin for roller	1
41		Handle socket	1
42	QLZ2C-1a	Handle socket screw	1
43	T825011CL.2-3	Contact roller	1
44	GB/T 894.1	C-clip Ø10mm	2
45		Handle socket pin	2
46		Washer M10	2
47		M10X30mm	4
48	T83508-9	Foam protective pad	1
49	T83508.5-4	handle lock pin	1
50	T830003XL.5	Handle assembly	1
51	TZ830003PDL.3	Height saddle assembly	1
52	TZ830027H-5	Saddle pad	1
53		Bottom protection plate	1
54		cover plate	1
55	T830003PDL.5	Pallet long latch parts	1
56	T830003PDL.4	Pallet latch parts	1
57		M10x16	4
58		Rear gear lever	1
59	T830007XDL.1.2-1	Handle	2
60	T830007XDL.1.2-3	Cover of handle pushing	4
61	GB/T 97	Washer 6	4
62		Washer 10	2
63	T830023.MF	Seal kit	1

## TROUBLESHOOTING

JACK WILL NOT LIFT LOAD	JACK WILL NOT HOLD LOAD	JACK WILL NOT LOWER	POOR JACK LIFTING	WILL NOT LIFT TO FULL EXTENSION	CAUSES AND SOLUTIONS
<b>X</b>	<b>X</b>		<b>X</b>		Release valve is not completely closed. Turn handle clockwise.
<b>X</b>					Weight Capacity Exceeded. Decrease the weight or change to a higher capacity jack.
<b>X</b>			<b>X</b>		Air is in the hydraulics. Purge air from system.
<b>X</b>	<b>X</b>		<b>X</b>	<b>X</b>	Low oil level. Add oil as required.
		<b>X</b>			Oil reservoir is overfilled. Drain excessive oil. Lubricate moving parts.
		<b>X</b>			Jack is binding or foreign obstruction. Check the locking pin and release handle to make sure they are functioning properly.
<b>X</b>	<b>X</b>		<b>X</b>		Power unit malfunctioning. Replace the power unit.

Safe Operating Temperature is between 40°F – 105°F (4°C - 41°C)

## REPLACEMENT PARTS

For replacement parts Customer Service at [torinbigredusa@gmail.com](mailto:torinbigredusa@gmail.com). Not all equipment components are available for replacement; illustrations provided are a convenient reference of location and position in the assembly sequence. When ordering parts the following will be required: Model Number, Serial Number and Description. The distributor reserves the rights to make design changes and or improvements to product lines and manuals without notice.

For replacement parts and technical questions, please call [torinbigredusa@gmail.com](mailto:torinbigredusa@gmail.com).



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