



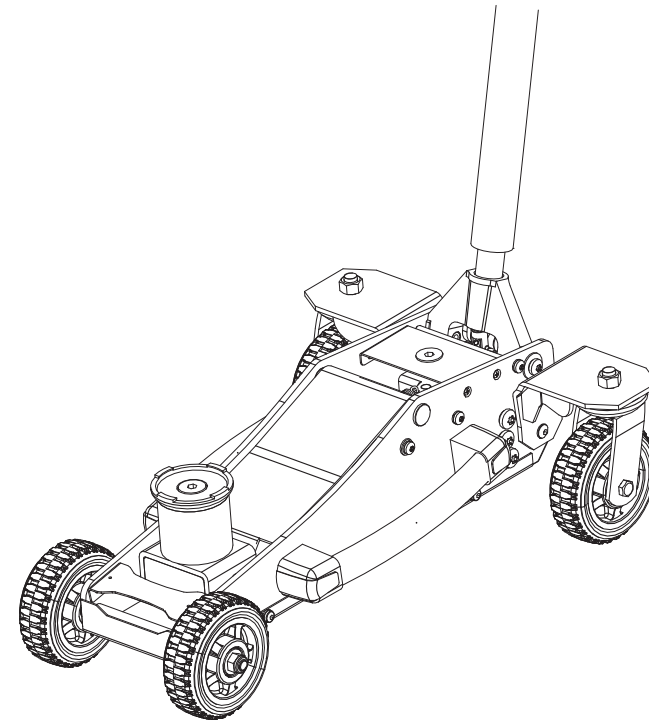
# OWNER'S MANUAL 2250KG OFFROAD TROLLEY JACK

**WORKING LOAD LIMIT:** 2250KG  
**HEIGHT LOWERED:** 152mm  
**HEIGHT RAISED:** 623mm

This jack complies with Australian Standard  
AS 2615:2016 Hydraulic trolley jacks

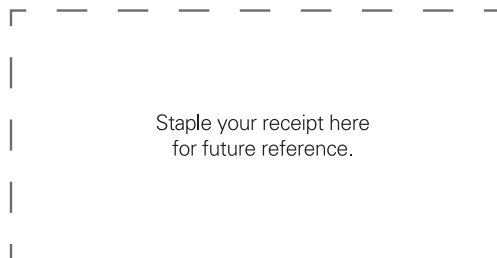
## CAUTION

This jack is designed for lifting purposes only. Please read the enclosed instructions for safe and correct operating procedures



**PART NO: TM827-02250**

## 2250KG OFFROAD JACK



Staple your receipt here  
for future reference.

### Cautions

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 adapters 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 on a lawn mower or lawn tractor.
13. Do not use this 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.

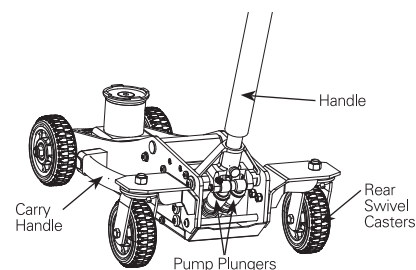
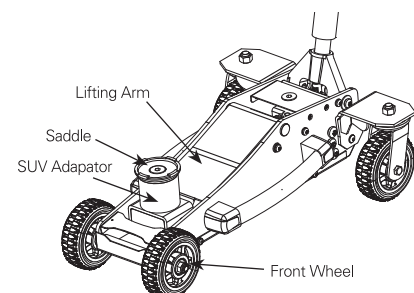
### Technical Specifications

Item	Capacity		Lifting Range	
			Minimum (mm)	Maximum (mm)
TM827-02250	without adaptor	2250kg	152	547
	without adaptor	2250kg	228	623

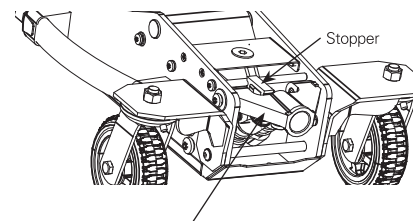
## 2250KG OFFROAD JACK

### Assembly

1. Familiarise yourself with the jack.

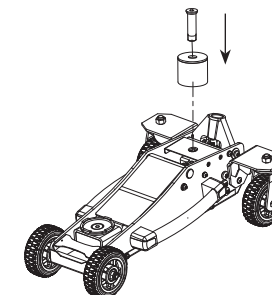


2. Prior to assembly, carefully remove the retaining stopper attached to the handle socket.  
**CAUTION:** The socket will tend to spring upward when the stopper is removed. To prevent possible injury, place one hand on the top of handle socket to control the upward motion of the handle socket retaining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

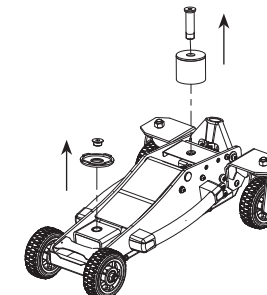


**⚠ WARNING: ONCE RETAINING STOPPER IS REMOVED, SLOWLY ALLOW HANDLE SOCKET TO RISE BACK INTO RESTING POSITION. USE CAUTION WHEN REMOVING RETAINING STOPPER, HANDLE SOCKET WILL SPRING FORWARD RAPIDLY.**

3. Securely fasten the SUV height adaptor to the cover plate with the long saddle pin. Use the Allen wrench provided to secure the pin. (Firmly tighten to secure the height adaptor during movement.)

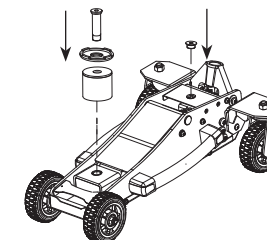


4. To switch between low profile to SUV height:  
4a. Unscrew the short and long saddle pins and remove the saddle.



- 4b. Securely fasten the flat saddle and the SUV height adaptor to the jack saddle bracket plate with the long saddle pin. Securely fasten the short saddle pin to the cover plate.

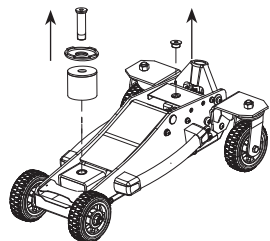
**Note: Use the Allen wrench provided to secure pins. (Firmly tighten each position to secure the SUV height adaptor during movement).**



## 2250KG OFFROAD JACK

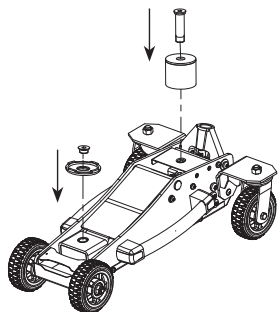
### Assembly (cont.)

- Switch from SUV height to low profile:
- Unscrew the short and long saddle pins and remove the saddle.

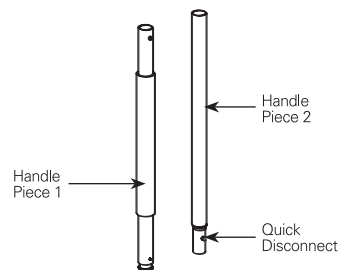


- Securely fasten the flat saddle and the short pin to the jack saddle bracket plate. Securely fasten the SUV height adaptor and the long pin to the cover plate.

**Note: Use the Allen wrench provided to secure the pins. (Firmly tighten each position to secure the SUV height adaptor during movement).**



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



- Unfasten the screw located in the Handle Socket to insert the assembled handle.
- Line up the square hole located at the bottom of the handle over the square bolt inside the Handle Socket.
- 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 insure the hydraulic system is operating properly. (Perform the System Air Purge Procedure before first use).

**⚠ WARNING: DO NOT LIFT OR CARRY JACK BY HANDLE. HANDLE COULD DISLodge AND JACK MAY FALL, RESULTING IN POSSIBLE INJURY OR PROPERTY DAMAGE.**



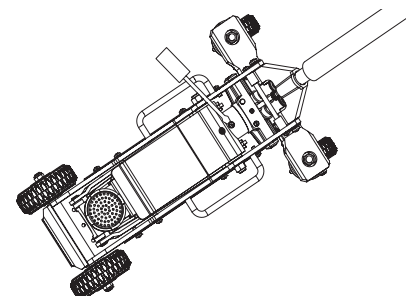
## 2250KG OFFROAD JACK

### 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.

- Remove cover plate.
- Turn safety valve counter-clockwise on full turn to the open position.
- Rapidly pump the handle 6-8 times. Leave handle in down position to expose oil fill plug.
- 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). Replace rubber plug or tighten screw before replacing cover plate



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

### Before Use

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

### Operation

#### RAISING THE JACK

- Block the vehicle's wheels for lifting stability. Secure the load to prevent inadvertent shifting and movement
- Position the jack near desired lift point.
- Set the Parking Brake in the vehicle.
- 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.
- Assemble the handle; ensure to align with slots.
- Close the release valve by turning it clockwise until it is firmly closed.
- Before raising the vehicle double check and verify the saddle is centered and also has full contact with the lifting point.
- Pump handle to lift until saddle contacts 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 USING THE OPERATOR'S HAND. USE THE HANDLE PROVIDED WITH THIS PRODUCT OR AN AUTHORISED REPLACEMENT HANDLE TO ENSURE PROPER RELEASE VALVE OPERATION. DO NOT USE EXTENSIONS ON THE OPERATING HANDLE.**

#### LOWERING THE JACK

- Raise load high enough to allow clearance for the jack stands to be removed, then carefully remove jack stands.
- Remove support stands.
- 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.
- 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.
- 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.**

## 2250KG OFFROAD JACK

### 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 light penetrating oil, lubricating spray.

- Use a good lubricant on all moving parts.
- For light duty use lubrication once a month.
- For heavy and constant use lubrication recommended 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 reservoir. This releases hydraulic pressure on the ram, which results in lowering the saddle.

#### STORING THE JACK

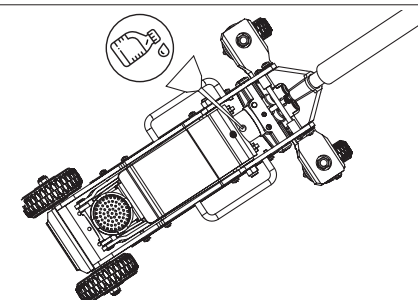
1. Lower the Lifting ram.
2. Place the handle in the upright position.
3. Store in a dry location, recommended indoors.

**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 jack in the fully retracted position when stored in outdoor or caustic environments that can cause corrosion and/or rust.**

## 2250KG OFFROAD JACK

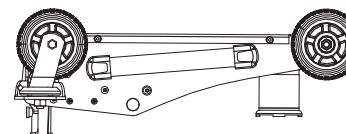
### To Add Jack Oil

1. Position the jack on level ground and lower the saddle.
2. Remove cover plate.
3. Remove the oil plug.
4. Fill the oil case until oil level is just beneath the lower rim of the oil fill hole.
5. Replace oil plug.
6. Replace coverplate and perform the System Air Purge Procedure.

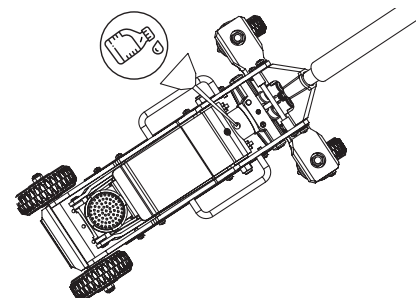


### To Replace Jack Oil

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 dirt and other foreign materials clear when pouring.



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

#### ⚠️ ADDITIONAL WARNINGS

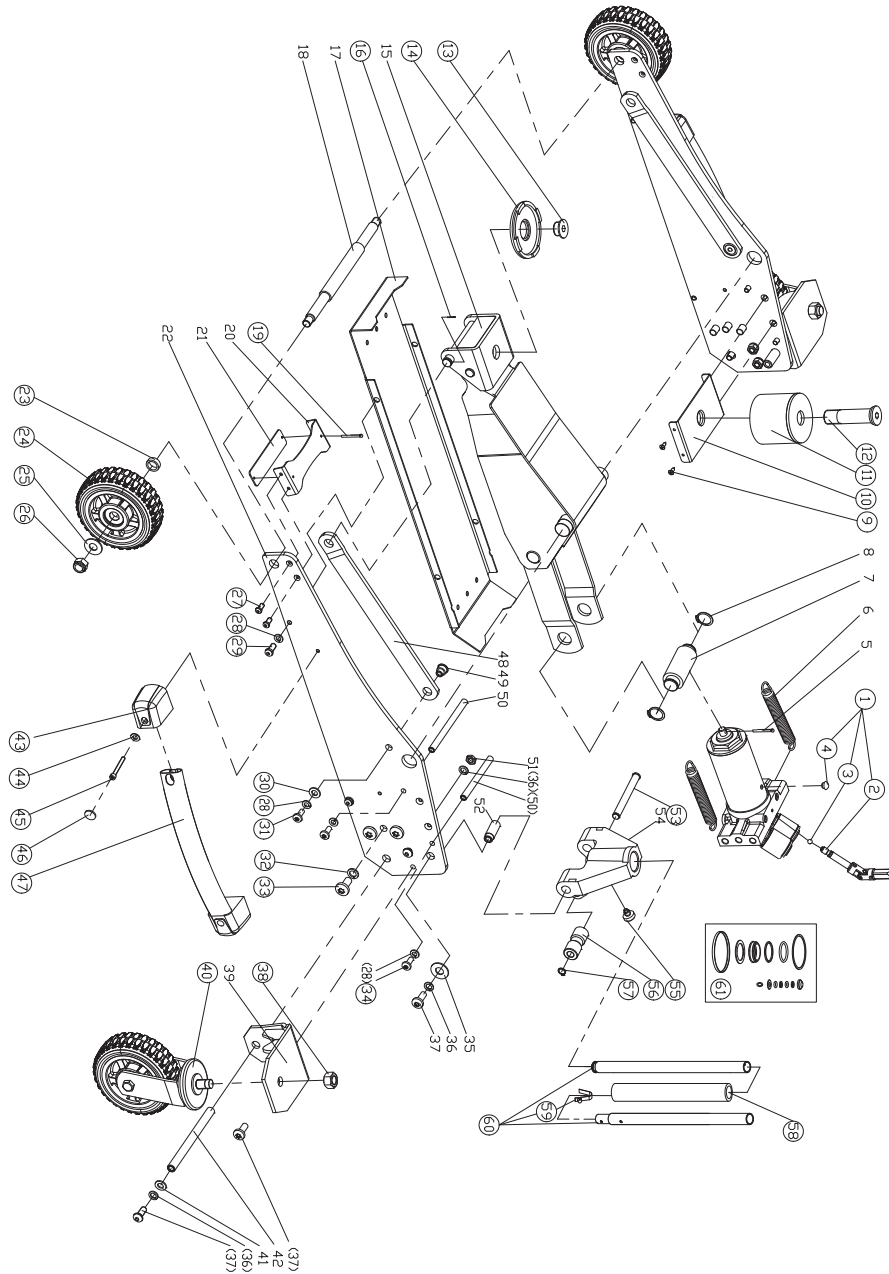
- DO NOT USE MOTOR OIL IN THE JACK.
- ONLY USE ANTI-FOAMING JACK OIL.
- ALWAYS USE A GOOD GRADE HYDRAULIC JACK OIL.
- DO NOT USE HYDRAULIC BRAKE FLUID, ALCOHOL, GLYCERINE, DETERGENT, MOTOR OIL OR DIRTY OIL.
- USE OF A NON-RECOMMENDED FLUID CAN CAUSE DAMAGE TO A JACK.
- AVOID MIXING DIFFERENT TYPES OF 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.

## 2250KG OFFROAD JACK

### Assembly Diagram



## 2250KG OFFROAD JACK

### Parts

NO.	DESCRIPTION	CODE	QTY
1	Power Unit Assembly	T820011LA.3	1
2	Universal Joint Assembly	T820011LA.3.1	1
3	Steel Ball Ø6mm	GB/T 308	1
4	Oil Plug	TF1201C-29	1
5	Cotter Pin Ø4x45mm		1
6	Return Spring		2
7	Coupling Connector		1
8	C-Clip Ø25mm		4
9	Screw ST4.8x16	GB/T 847	4
10	Cover Plate	T820011DLA-7	1
11	Height Saddle Assembly	T820011DLA.2	1
12	Long Saddle Pin	T820011DLA-1	1
13	Saddle Pin	TZ830018Z-2	1
14	Saddle	T830003XL-7	1
15	Lifting Arm Assembly		1
16	Cotter Pins 2.5x25	GB/T 91	2
17	Bottom Protection Plate		1
18	Shaft For Front Wheel	T830006XDL-2	1
19	Rivet 3x10	GB/T 12618.1	2
20	Front Grip		1
21	Foregrip Spacer		1
22	Side Frame		2
23	Sleeve for Front Wheel	T830003XDL-5	2
24	Front Wheel	T830003XDL-1	2
25	Washer 14	GB/T 97.1	2
26	Nut M14	GB/T 889.1	2
27	Screw M6x16	GB/T 70.3	4
28	Spring Washer 8	GB/T 859	12
29	Screw M8x16	GB/T 70.2	4
30	Washer 8	GB/T 97.1	2
31	Screw M8x25	GB/T 70.2	2

NO.	DESCRIPTION	CODE	QTY
32	Spring Washer 12	GB/T 859	6
33	Screw M12x25	GB/T 70.2	6
34	Screw M8x20	GB/T 70.2	4
35	Washer 10	GB/T 96	2
36	Spring Washer 10	GB/T 859	2
37	Screw M10x25	GB/T 70.2	4
38	Nut M16	GB/T 889.1	2
39	Caster Base		2
40	Rear Caster Assembly	T830007XDL.2	2
41	Washer 10	GB/T 97.1	2
42	Rear Gear Lever		1
43	Handle Oushing	T830007XDL.1.2-2	4
44	Washer 6	GB/T 97	4
45	M6X50	GB/T 70.1	4
46	Cover of Handle Pushing	T830007XDL.1.2-3	4
47	Handle	T830007XDL.1.2-1	2
48	Connected Bar		2
49	Connecting Rod Pintle		2
50	Gear Lever		2
51	Nut M10		4
52	Handle Socket Pin		2
53	Pin for Roller	TZ830033.1-2	1
54	Handle Socket		1
55	Handle Socket Screw	QLZ2C-1a	1
56	Contact Roller	T825011CL.2-3	1
57	C-clip Ø12mm	GB/T 894.1	1
58	Foam Protective Pad	T8358-9	1
59	Handle Lock Pin	T83508.5-4	1
60	Handle Assembly	T830018Z.2a	1
61	Seal Kit	T830023.MF	1

