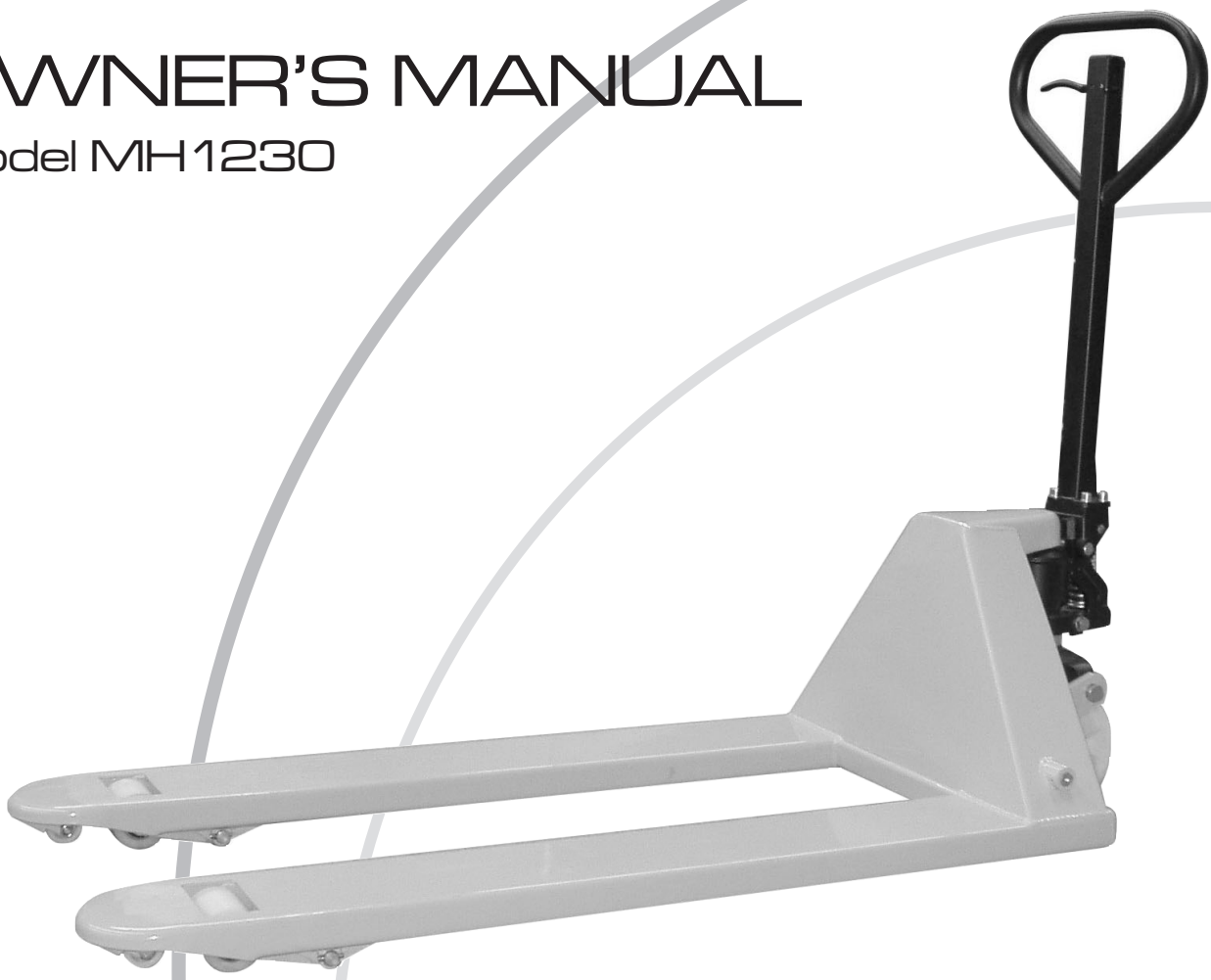
OWNER'S MANUAL

Model MH1230



- **Important Safety Instructions**
- **Assembly Instructions**
- **Parts and Hardware Identification**

Pallet Jack

CAUTION:

Read, understand and follow ALL instructions before using this product

Tricam International
7677 Equitable Drive
Minneapolis, MN 55344
800-304-1316

IMPORTANT SAFETY INSTRUCTIONS

1. **Read and understand all warning and instructions prior to using the pallet jack.**
2. Always inspect the pallet jack for damage or excess wear prior to each use.
3. Always use on an flat, level surface.
4. Never lift or transport people using this pallet jack.
5. Do not exceed maximum load capacity of 2500kg or 5500lbs.

ASSEMBLY INSTRUCTIONS

Your Pallet Jack requires assembly. Account for all parts and hardware before beginning assembly. If any parts are missing, damaged or if you have questions or need additional instructions **DO NOT RETURN THIS PRODUCT TO THE RETAILER,** call the manufacturer at **1-800-304-1316**.

Refer to the exploded drawing and the parts list on the following pages during assembly.

ASSEMBLING THE HANDLE TO THE PUMP

STEP 1 Remove the 4 bolts (L111C) from the handle mounting bracket (L319C). Set the handle (L110C) on the bracket (L319C) allowing the chain (L103C) and the adjusting bolt (L102C) to pass through the hole in the center of the bracket (L319C) and axle (L331C).

STEP 2 Insert the 4 bolts (L111C) through the handle flange into the handle mounting bracket (L319C) and tighten securely.

STEP 3 Raise the lever (L345) and insert the adjusting bolt (L102C) into the front slot, keeping the adjusting nut (L101C) on the under side of the lever (L345).

ADJUSTING THE RELEASE DEVICE

On the draw bar of the unit, you can find the control handle (L107C) which can be regulated in three positions: Lower to lower the forks; Neutral to move the load; and Lift to raise the forks. These three positions have been pre-positioned at the factory. To adjust the factory-set positions follow these steps:

STEP 1 If the forks elevate while pumping in the Neutral position, turn the adjusting nut (L101C) on the adjusting bolt (L102C) clockwise until pumping action does not raise the forks and the Neutral position functions properly.

STEP 2 If the forks descend while pumping in the Neutral position, turn the adjusting nut (L101C) counterclockwise until the forks do not lower.

STEP 3 If the forks do not descend when the control handle (L107C) is in the Lower position, turn the nut (L101C) clockwise until raising the control handle (L107C) lowers the forks. Be sure to check the Neutral position to make sure the nut is in the proper position.

STEP 4 If the forks do not elevate while pumping in the Lift position, turn the nut (L101C) counterclockwise until the forks elevate while pumping in the Lift positions. Be sure to check the Lower and Neutral positions.

⚠CAUTION **Do not exceed maximum load capacity of 2,500kgs or 5,500 lbs.**

MAINTENANCE

OIL AND LUBRICATION

Check the fluid level every six months. If necessary, fill with standard hydraulic jack fluid. Total volume is approximately 0.3 quarts. Use motor oil or grease regularly to lubricate all moving parts.

BLEEDING AIR FROM PUMP

During transportation, it is possible air may get in the pump causing the forks to not elevate properly while in the Lift position. To remove the air, move the control handle (L107C) into the Lower position and pump the handle (L110C) several times.

DAILY MAINTENANCE AND INSPECTION

To limit wear and tear on your pallet jack, please inspect the unit prior to each use. Check for excess wear especially to the wheels, axles, and pump. Make sure to unload the forks after each use.

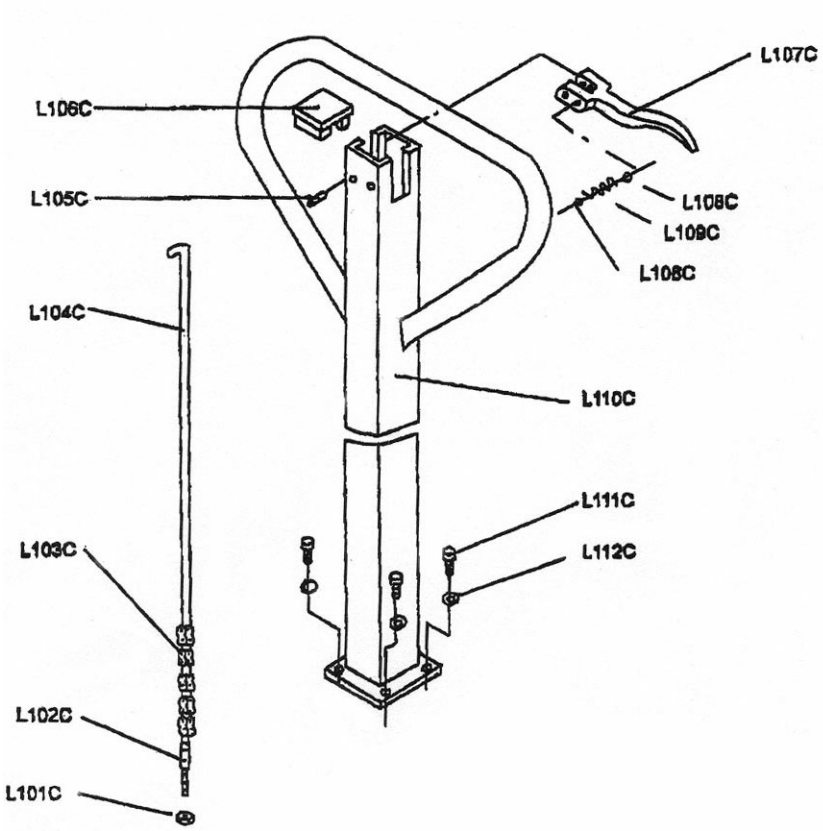
TROUBLESHOOTING

TROUBLE	POSSIBLE CAUSE	RECOMMENDED ACTION
Forks will not reach maximum height	• The Hydraulic oil is low.	• Add oil.
The forks can not be lifted up.	• No hydraulic oil. • The oil has impurities. • The nut (L101C) is too high, keeping the pumping valve open. • Air in hydraulic oil.	• Fill with oil. • Change the oil. • Adjust nut (L101C). • Bleed the air.
The forks cannot be descended	• The piston rod (L317) or pump body (L311) is deformed resulting from partial loading slanting to one side or overloading. • The adjusting nut (L101C) is not in the correct position	• Replace the piston rod (L317) or pump body (L311) • Adjust the nut (L101C)
Leaks	• Sealing parts worn or damaged. • Damaged or worn part	• Replace with new seal • Inspect and replace damaged or worn parts
The fork descends without the release valve closed	• The release valve does not close properly do to impurities in the oil. • Cracked or worn part in the hydraulic system. • Air in hydraulic oil. • Worn or damaged seal. • The adjusting nut (L101C) is not in correct position	• Replace with new oil. • Inspect and replace damaged or worn part • Bleed the air. • Replace seal • Adjust nut (L101C).

PARTS AND HARDWARE IDENTIFICATION

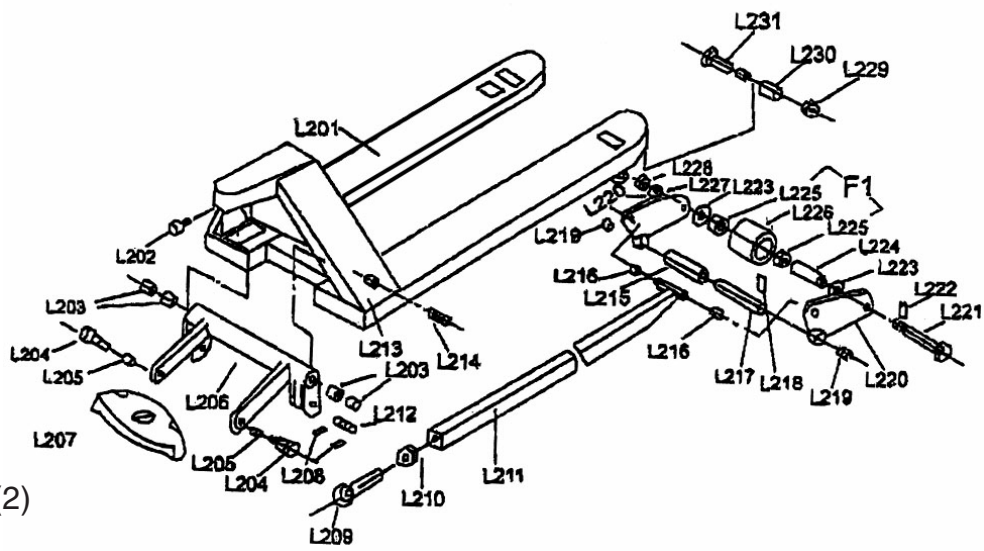
HANDLE PARTS LIST

L101C **Adjusting Nut**- (1)
L102C **Adjusting Bolt** - (1)
L103C **Chain** - (1)
L104C **Pull Rod** - (1)
L105C **Elastic Pin** - (1)
L106C **Can** - (1)
L107C **Control Handle**- (1)
L108C **Steel Ball** - (2)
L109C **Spring** - (1)
L110C **Handle** - (1)
L111C **Bolt** - (4)
L112C **Elastic Washer**- (4)



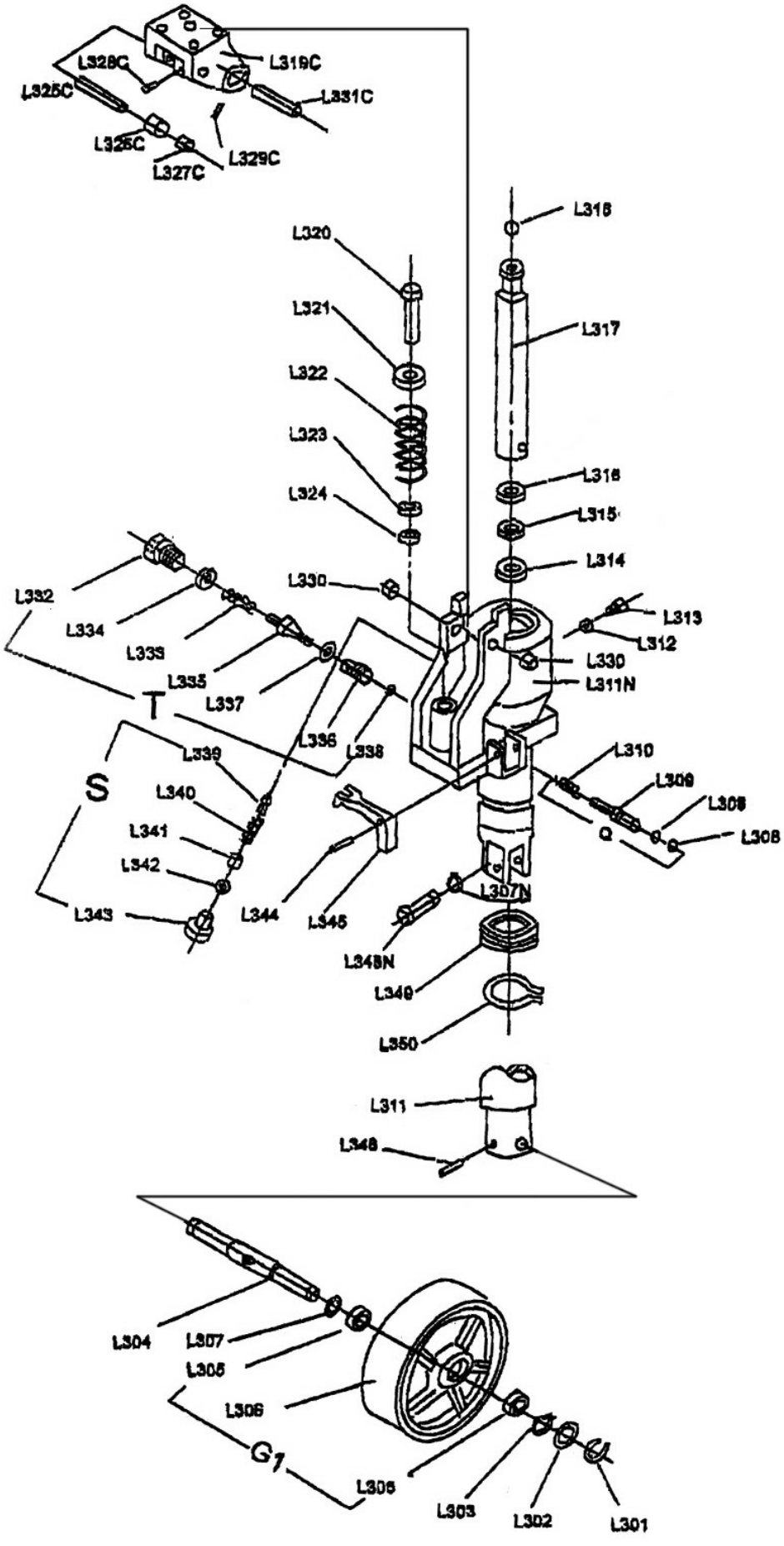
FORK FRAME LIST

L201 **Chassis**- (1)
L202 **Lock Bolt** - (1)
L203 **Bushing** - (4)
L204 **Shoulder Bolt** - (2)
L205 **Bushing** - (2)
L206 **Torsion Tube**- (1)
L207 **Thrust Plate**- (1)
L208 **Elastic Pin** - (4)
L209 **Eye Bolt** - (2)
L210 **Nut**- (2)
L211 **Push Rod** - (2)
L212 **Axle for Eye Bolt**- (2)
L213 **Elastic Pin**- (12)
L214 **Axle for Torsion Tube** - (2)
L215 **Roller** - (2)
L216 **Bushing** - (4)
L217 **Axle** - (2)
L218 **Elastic Pin**- (4)
L219 **Bushing**- (4)
L220 **Frame of Roller** - (4)
L221 **Bolt** - (2)
L222 **Pin**- (2)
L223 **Washer**- (4)



L224 **Axle for Roller**- (2)
L225 **Bearing**- (4)
L226 **Load Roller**- (2)
L227 **Elastic Washer**- (2)
L228 **Nut**- (2)
L229 **Nut**- (2)
L230 **Entry Roller**- (2)
L231 **Bolt**- (2)

PARTS AND HARDWARE IDENTIFICATION



PUMP UNIT LIST

L301	**Retaining Ring** - (2)
L302	**Hub Cap** - (2)
L303	**Retaining Ring** - (2)
L304	**Shaft of Wheel** - (1)
L305	**Bearing** - (4)
L306	**Wheel** - (2)
L307	**Washer** - (2)
L308	**O-Ring**- (2)
L309	**Release Valve** - (1)
L310	**Spring** - (1)
L311	**Pump Body**- (1)
L312	**Seal Washer**- (1)
L313	**Bolt** - (1)
L314	**Y-Seal** - (1)
L315	**Y-Seal**- (1)
L316	**Wiper** - (1)
L317	**Lift Piston Rod** - (1)
L318	**Steel Ball** - (1)
L319C	**Bracket**- (1)
L320	**Pump Piston Rod**- (1)
L321	**Cap** - (1)
L322	**Spring** - (1)
L323	**Wiper** - (1)
L324	**Y-Seal** - (1)
L325C	**Axle of Roller** - (1)
L326C	**Pressure Roller** - (1)
L327C	**Bushing**- (1)
L328C	**Elastic Pin** - (1)
L329C	**Elastic Pin** - (1)
L330	**Bushing**- (2)
L331C	**Axle with Hole** - (1)
L332	**Plug Bolt**- (1)
L333	**Spring**- (1)
L334	**Seal Washer** - (1)
L335	**Valve Pin** - (1)
L336	**Valve** - (1)
L337	**O-Ring** - (1)
L338	**Steel Ball** - (1)
L339	**Safe Valve Pin**- (1)
L340	**Spring** - (1)
L341	**Adjusting Bolt** - (1)
L342	**O-Ring** - (1)
L343	**Plug Bolt** - (1)
L344	**Elastic Pin**- (1)
L345	**Lever**- (1)
L348	**Elastic Pin**- (1)
L349	**Thrust Bearing**- (1)
L350	**Snap Ring** - (1)