

WARNING!

- * Read and understand instruction manual before using the pallet truck.
- * Do not place hands or feet under the pallet truck at any time .
- * Do not operate loaded pallet truck on ramps or inclines.
- * Do not tip loaded pallet truck forks . This may cause damage to the forks and personal injury if the rear of the pallet truck suddenly "pops up"
- * Never leave a loaded pallet truck unattended in the raised position. Always lower load to the floor.
- * Do not load pallet truck beyond its rated capacity.
- * Secure load before transporting.
- * To prevent accidental tipping, make sure load is centered on the forks.
- * Do not move a loaded pallet truck by other than manual force.
- * Failure to comply with these warnings may result in personal injury and/or property damage.

Note: Materials and specifications are subject to change without notice.

INSTRUCTION MANUAL

CYPA Hydraulic Hand Pallet Truck

Pallet Truck Assembly

Note: Individual trucks are assembled and ready to use. Pallet trucks purchased in crate quantities (6 units to a crate) require some assembly.
Tools Needed for Assembly

- Hammer
- Pry Bar
- Adjustable Wrench

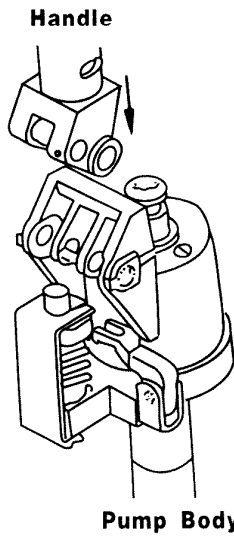
To attach handle assembly to the frame:

Introduction

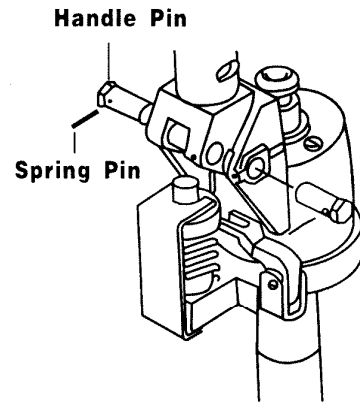
Before attempting to use your new hydraulic pallet truck, we recommend you read this manual and familiarize yourself with the details of operation.

Safety Instructions

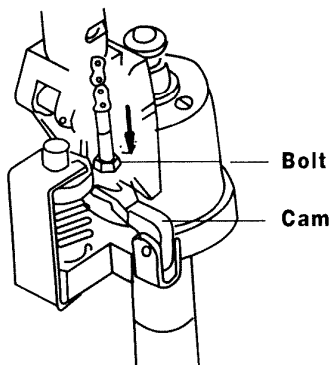
1. Keep feet out from underneath load.
2. Balance load securely before moving it.
3. Don't load pallet truck beyond capacity.



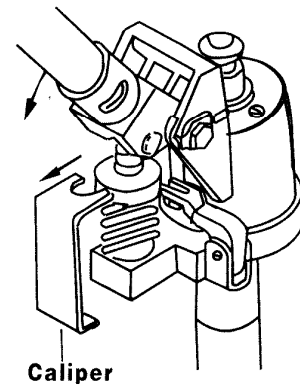
1. Align the holes at the base of the handle with the holes in the pump body. Do not attach the chain until step 5.



2. Insert handle pins into the holes of the pump body and handle.
3. Using an adjustable wrench turn the handle pins until the spring pin holes line up.
4. Using a hammer tap the spring pins into the pump body and handle pins.



5. Using a pry bar, pry the cam up and slip the bolt head, which is on the end of the chain, under the notch in the cam. Do not adjust the bolt when assembled.



6. Pull the handle down and remove the caliper by pulling straight out.

Operating Pallet Truck

To raise fork, place handle lever in Up position (bottom part of handle slot). See Figure 2.

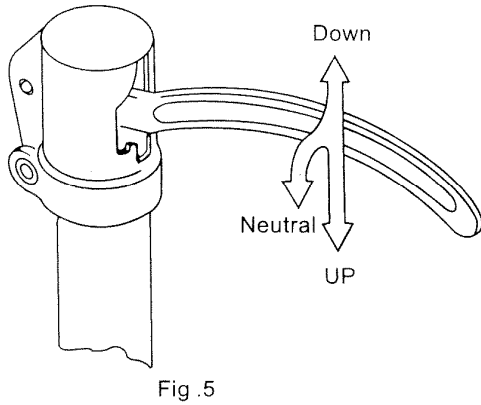


FIGURE 2

To lower fork, pull lever to DOWN position (upper part of slot).

To freely move handle, set lever in NEUTRAL (center notch of slot).

To lift load:

1. Lower fork to lowest position.
2. Insert fork under load.
3. Place lever in UP position (bottom part of slot).
4. Pump handle until fork reaches desired height.

To move load:

1. Place lever in NEUTRAL Position (center notch of slot).
2. Pull or push load to desired location.

To lower load:

1. Pull lever to DOWN position (upper part of slot).

NOTE: Load is now down.

2. Pull fork away from load.

Adjusting Up-Down Cam

To adjust cam, set lever in NEUTRAL position, and turn cam nut while pumping handle. (See Figure 3) When no longer lifting, turn nut once more.

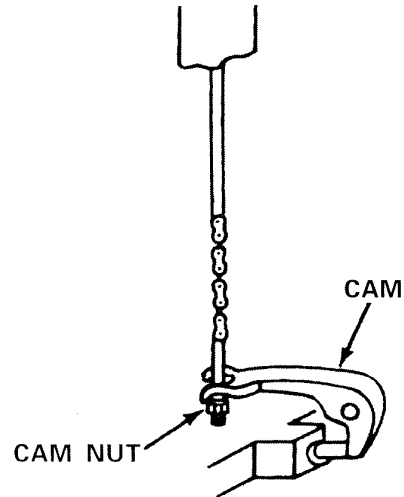


FIGURE 3

Cleaning Relief Valve

Over time, relief valve may become clogged with debris and will not work properly. To clean relief valve, flush out hydraulic system as follows:

Pump handle quickly, raising pallet truck to full extent. Then quickly release pumping action.

Lubricating and Oiling

When changing or adding oil, fill tank to 80% capacity (Figure 4) with hydraulic oil, such as:

- Shell Tellus Oil.....No. 22 or 27
- Turbine Oil.....No. 22
- Texaco Regal.....No.32

Check oil level annually.

Change grease of rear and front wheels annually.

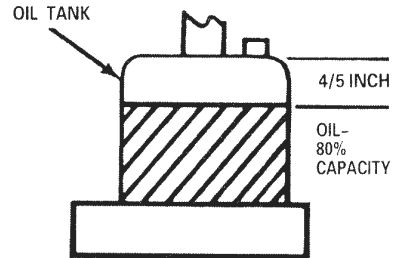


FIGURE 4

Troubleshooting

Possible problems could arise in the operation of your hydraulic pallet truck. Their probable cause(s) and corrective action(s) follow

Condition	Probable Cause	Corrective Action
Hydraulic unit does not lift.	Oil low in tank	Make sure of no oil leakage from valve, and add oil. See "Cleaning Relief Valve" in this manual.
Once lifted, truck lowers by itself.	Steel ball not seated in hydraulic unit	Consult authorized repair station. See "Cleaning Relief Valve" in this manual
	Worn o-ring in ram cylinder	
	Steel ball not seated in hydraulic unit	
	Worn o-ring in ram cylinder	
Fork does not lower.	Relief valve not seated properly	See "Cleaning Relief Valve" in this manual See "Cleaning Relief Valve" in this manual Reload truck within load capacity and adjust valve by pressure adjustment screw. Tighten plug of each valve Replace cam chain.
	Relief valve not adjusted properly	
	Oil leakage from each valve	
	Cam broken	
Lever does not set at NEUTRAL position	Up-down cam nut out of adjustment	Refer to "Adjusting UP-Down Cam" in this manual Replace broken parts Refer to "Adjusting Up-Down Cam" in this manual
	Broken fork rods and linkage	
	Up-down cam nut out of adjustment	

HAND PALLET TRUCK PART LIST

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
CYPA-001	HANDLE	CYPA-053	CAM
CYPA-002	BLOCKING SPRING	CYPA-054	SPRING ROLL PIN
CYPA-003	SPRING PIN	CYPA-055	TABLE
CYPA-004	ROLLER	CYPA-060	WHEEL (SEE 103)
CYPA-005	SPRING PIN	CYPA-061	CAP
CYPA-006	BUSHING	CYPA-062	WASHER
CYPA-007	SPRING PIN	CYPA-063	SPRING WASHER
CYPA-008	BUSHING	CYPA-064	BOLT
CYPA-009	ROLLER	CYPA-065	SPRING WASHER
CYPA-010	ROLLER PIN	CYPA-066	SCREW
CYPA-011	RELEASE ROD	CYPA-068	WASHER
CYPA-012	CHAIN JOINT	CYPA-069	SPRING WASHER
CYPA-013	CHAIN	CYPA-070	BOLT
CYPA-014	ANCHOR BOLT	CYPA-071	CRANK SHAFT
CYPA-015	V - NUT (SEE 101)	CYPA-073	GREASE NIPPLE
CYPA-016	DUST SEAL (SEE 101)	CYPA-074	TABLE PIN
CYPA-017	O - RING (SEE 101)	CYPA-075	BUSHING
CYPA-018	BACK - UP RING (SEE 101)	CYPA-076	LIFTING YOKE
CYPA-019	O - RING (SEE 101)	CYPA-077	SPRING PIN
CYPA-020	DUST SEAL (SEE 101)	CYPA-078	ARM PIN
CYPA-021	BACK - UP RING (SEE 101)	CYPA-079	SPRING PIN
CYPA-022	O - RING (SEE 101)	CYPA-080	LOAD WHEEL
CYPA-023	O - RING (SEE 101)	CYPA-081	SPRING PIN
CYPA-024	STEEL BALL	CYPA-082	SHAFT
CYPA-025	RAM PISTON	CYPA-083	ARM
CYPA-026	OIL PLUG	CYPA-084	COLLAR
CYPA-027	RELIEF PLUG	CYPA-085	BUSHING
CYPA-028	O - RING	CYPA-086	ROD PIN
CYPA-029	RELIEF SCREW	CYPA-087	BUSHING
CYPA-030	SPRING	CYPA-088	ROD
CYPA-031	STEEL BALL	CYPA-089	E - RING
CYPA-032	E - RING	CYPA-090	BUSHING
CYPA-033	PLUNGER PISTON	CYPA-099	RELEASE ROD ASSY
CYPA-034	SPRING CAP	CYPA-101	REPAIR KIT (16 - 22)
CYPA-035	SPRING	CYPA-103	WHEEL SET
CYPA-036	RELEASE PLUG	CYPA-109	PUMP ASSY
CYPA-037	WASHER	CYPA-111	SPRING PIN
CYPA-038	SPRING	CYPA-112	SPRING PIN
CYPA-039	VALVE HOUSING	CYPA-113	LEVER
CYPA-040	STEEL BALL	CYPA-080A	LOAD WHEEL
CYPA-041	STEEL BALL	CYPA-081	SPRING PIN
CYPA-042	SPRING PIN	CYPA-082	SHAFT
CYPA-043	SPRING PIN	CYPA-083	ARM
CYPA-044	SNAP RING	CYPA-084	COLLAR
CYPA-045	SPRING PIN	CYPA-085	BUSHING
CYPA-046	WHEEL SHAFT	CYPA-086	ROD PIN
CYPA-047	HANDLE PIN	CYPA-087	BUSHING
CYPA-048	BEARING BASE	CYPA-088	ROD
CYPA-049	BEARING	CYPA-089	E - RING
CYPA-050	SPRING	CYPA-090	BUSHING
CYPA-051	RELEASE NOZZLE		
CYPA-052			

Hydraulic Hand Pallet Truck Assembly

