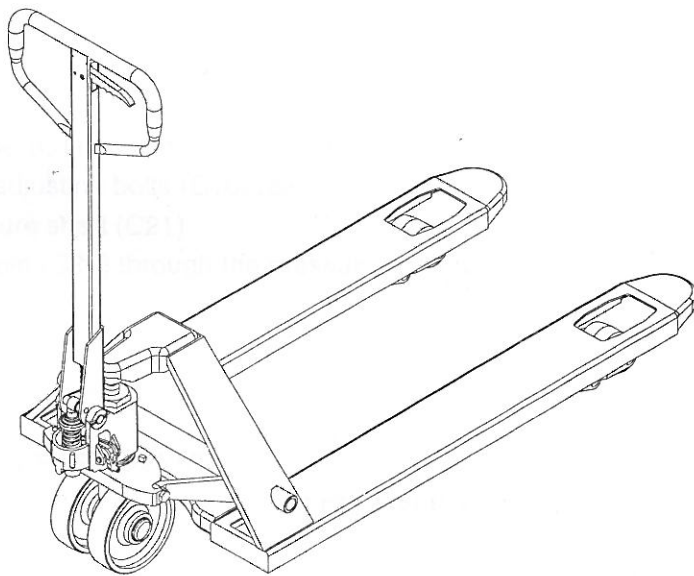


530145

HAND-HYDRAULIC **PALLET TRUCK**



OPERATING INSTRUCTION

Thank you for using this pallet truck. For your safety and correct operation, please carefully read this instruction before using it.

NOTE: All of the information reported herein is based on data available at the moment of printing. The factory reserves the right to modify its own products at any moment without notice and incurring in any sanction. So, it is suggested to always verify possible updates.

1. GENERAL SPECIFICATIONS

Capacity:	2000-3000kg	Fork length:	1100-1220mm
Width:	550-685mm	Min. /Max. Fork height:	75/85-190/200mm
Weight:	74-90kg		

2. TO ATTACH HANDLE TO PUMP UNIT

- 2.1 Set handle tube (C11) on the base frame (C28), notice to allow the chain (C15) and the adjusting bolts (C16) assembly to pass through the hole in the center of pressure shaft (C21).
- 2.2 Insert the split pin (C20) through the pressure shaft (C21) into the base frame (C28).
- 2.3 Raise the lever plate (C54) and insert the adjusting bolt (C16) into the front slot. Keeping the nut (C17) on the under side of the lever plate (C54).

3. TO ADJUST RELEASE DEVICE

On the draw-bar of this pallet truck, you can find the handle (C8) which can be regulated in three positions (See fig.1):

LOWER = to lower the forks, NEUTRAL GEAR = to move the load, and ASCENT = to raise the fork. These three positions have been pre-positated at the factory. If however they have been changed, you can adjust according to following step:

- 3.1 If the forks elevate while pumping in the NEUTRAL GEAR position, turn the adjusting nut (C17) on the adjusting bolt (C16) clockwise or turn the adjusting screw (C56) clockwise until pumping action does not raise the forks and the NEUTRAL GEAR position functions properly.
- 3.2 If the forks descend while pumping in the NEUTRAL GEAR position, turn the nut (C17) or the screw (C56) counter-clockwise until the forks do not lower.
- 3.3 If the forks do not descend when the handle (C8) is in the LOWER position, turn the nut (C17) or the screw (C56) clockwise until raising the handle (C8) lowers the forks. Then check the NEUTRAL GEAR position according to item 3.1 and 3.2 to be sure the nut (C17) and the screw (56) is in proper position.
- 3.4 If the forks do not elevate while pumping in the ASCENT position, turn the nut

NO.	Trouble	Clause	Fixing Methods
1.	The forks can not be up the max. Height.	<ul style="list-style-type: none"> - The hydraulic oil is not enough. 	<ul style="list-style-type: none"> - Pour in the oil.
2.	The forks can not be lifted up.	<ul style="list-style-type: none"> - Without hydraulic oil. - The oil has impurities. - The nut (C17) is too high or the screw (C56) is too close keep the pumping valve open. - Air came into the hydraulic oil. 	<ul style="list-style-type: none"> - Fill in the oil. - Change the oil. - Adjust the nut (C17) or the screw (C56). (See item3.4) - Banish the air (See item4.2)
3.	The forks can not be descended.	<ul style="list-style-type: none"> - The piston rod or pump body is deformed resulting from partial loading slanting to one side or overloading. - The fork was kept in the high position for long time with piston rod bared to arise in rusting and jamming of the rod. - The adjusting nut (C17) is or the screw (C56) is not in the correct position. 	<ul style="list-style-type: none"> - Replace the piston rod (C46) or pump body. - Keeping the fork in the lowest position if not using, and pay more attention to lubricate the rod. - Adjust the nut (C17) or the screw (C56). (See item3.3).
4	Leaks	<ul style="list-style-type: none"> - Sealing parts worn or damaged. - Some part cracked or worn into small. 	<ul style="list-style-type: none"> - Replace with the new one. - Replace with the new one.
5	The forks descend without the release valve worked.	<ul style="list-style-type: none"> - The impurities in the oil cause the release valve to be unable to close tight. - Some parts of hydraulic system is cracked or bored. - Air came into the oil. - Sealing parts worn or damaged. - The adjusting nut (C17) or the screw (C56) is not in the correct position. 	<ul style="list-style-type: none"> - Replace with the new oil. - Inspect and replace the waste parts. - Banish the air. (See item 4.2) - Replace with the new one. - Adjusting the nut (C17) or the screw (C56). (See item 3.2)

NOTE: DO NOT ATTEND TO REPAIR THE PALLET TRUCK UNLESS YOU ARE TRAINED AND ARTHORIZED TO DO SO.

Fig.1

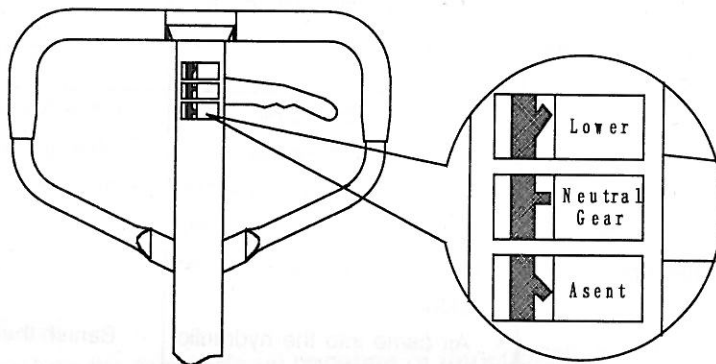
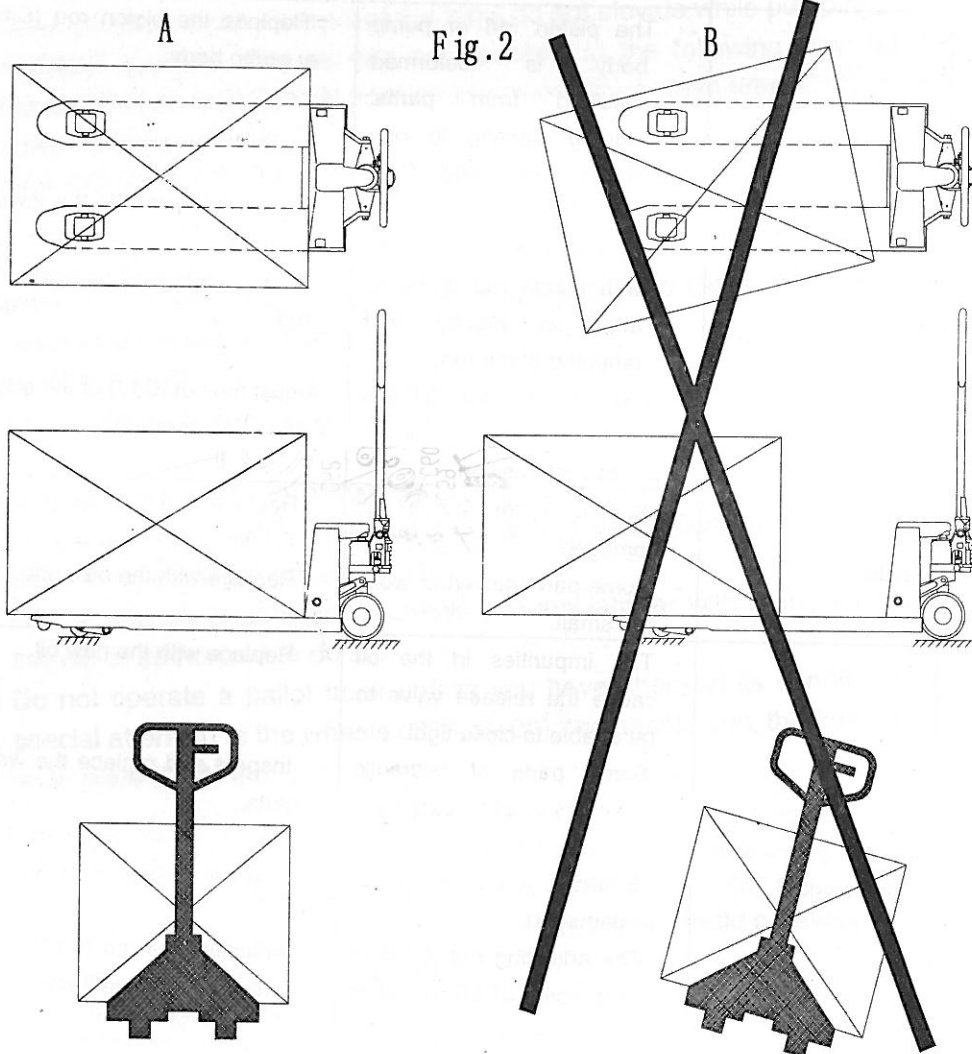


Fig.2



SPARE PARTS LIST OF HAND HYDRAULIC PALLET TRUCKS

NO.	DESCRIPTION	QTY.	NO.	DESCRIPTION	QTY.
C1	Spring	1	C55	Nut	1
C2	Spring	1	C56	Regulate Screw	1
C3	Roller	1	C57	Spring	1
C4	Elastic Pin	1	C58	O-Ring	1
C5	Elastic Pin	1	C59	Valve Tappet	1
C6	Elastic Pin	1	C60	Copper Washer	1
C7	Elastic Pin	1	C61	Cupreous Sheath	1
C8	Handle	1	C62	O-Ring	1
C9	Join Blade	1	C63	Rocker Arm	1
C10	Pull Rod	1	C64	Oiler	4
C11	Hand Tube	1	C65	Pin	2
C12	Elastic Pin	1	C66	Oiler	9
C13	Pressure Roller Shaft	1	C68	Inside Hex Screw	1
C14	Pressure Roller	1	C69	Fork Frame	1
C15	Chain	1	C70	Nut	2
C16	Adjusting Screw	1	C71	Pilot Wheel	2
C17	Nut	1	C72	Sheath	2
C18	Bushing	1	C73	Bolt	2
C19	Elastic Pin	1	C74	Washer	4(8*)
C20	Split Pin	1	C75	Bearing	4(8*)
C21	Pressure Shaft	1	C76a	Single Fork Wheel	2(0*)
C22	Retaining Ring For Axle	1	C76b	Double Fork Wheel	0(4*)
C23	Supporting Base	1	C77	Nog Of Fork Wheel	0(4*)
C24	Elastic Pin	2	C78	Shaft For Double Wheel	0(4*)
C25	Bearing	1	C79	Elastic Pin	0(8*)
C26	Nut	1	C81	Elastic Pin	2
C27	Bolt	1	C82	Frame Of Fork Wheel	2
C28	Base Frame	1	C83	Shaft Of Fork Wheel	2
C29	Shaft	1	C85	Short Shaft	2
C30	Retaining Ring For Axle	1	C86	Elastic Pin	2
C31	Pin Lever	1	C87	Shaft	2
C34	Steel Bead	1	C89	Straight Tappet	2
C35	Seat Of Damping Valve	1	C90	Elastic Pin	1
C36	Plug	1	C91	Long Shaft	1
C37	Copper Washer	1	C92	Pin	2
C38	Spring	1	C93	Retaining Ring For Axle	2
C39	Spindle Of Damping	1	C94	Joint	2
C40	U -Ring	1	C95	Dust Cover	2
C41	Dust Ring	1	C96	Retaining Ring For Axle	2
C42	Spring	1	C97	Bowl Nut	2
C43	Hood	1	C98	Half Circle	2
C44	Small Piston Rod	1	C99	Bearing	4
C45	Steel Ball	1	C100	Steel Wheel	2
C46	Big Piston Rod	1	P1	Steel Ball	1
C47	Dust Ring	1	P2	Steel Ball Base	1
C48	O-Ring	1	P3	Spring	1
C49	Cylinder Liner	1	P4	Screw	1
C50	O-Ring	1	P5	Copper Washer	1
C51	U-Ring	1	P6	Plug	1
C52	Plug	1	n1	Washer	4
C53	Copper Washer	1	n2	Retaining Ring For Axle	4
C54	Lever Plate	1			

*THESE QUANTITIES ARE USED FOR THE DOUBLE FORK WHEELS.

