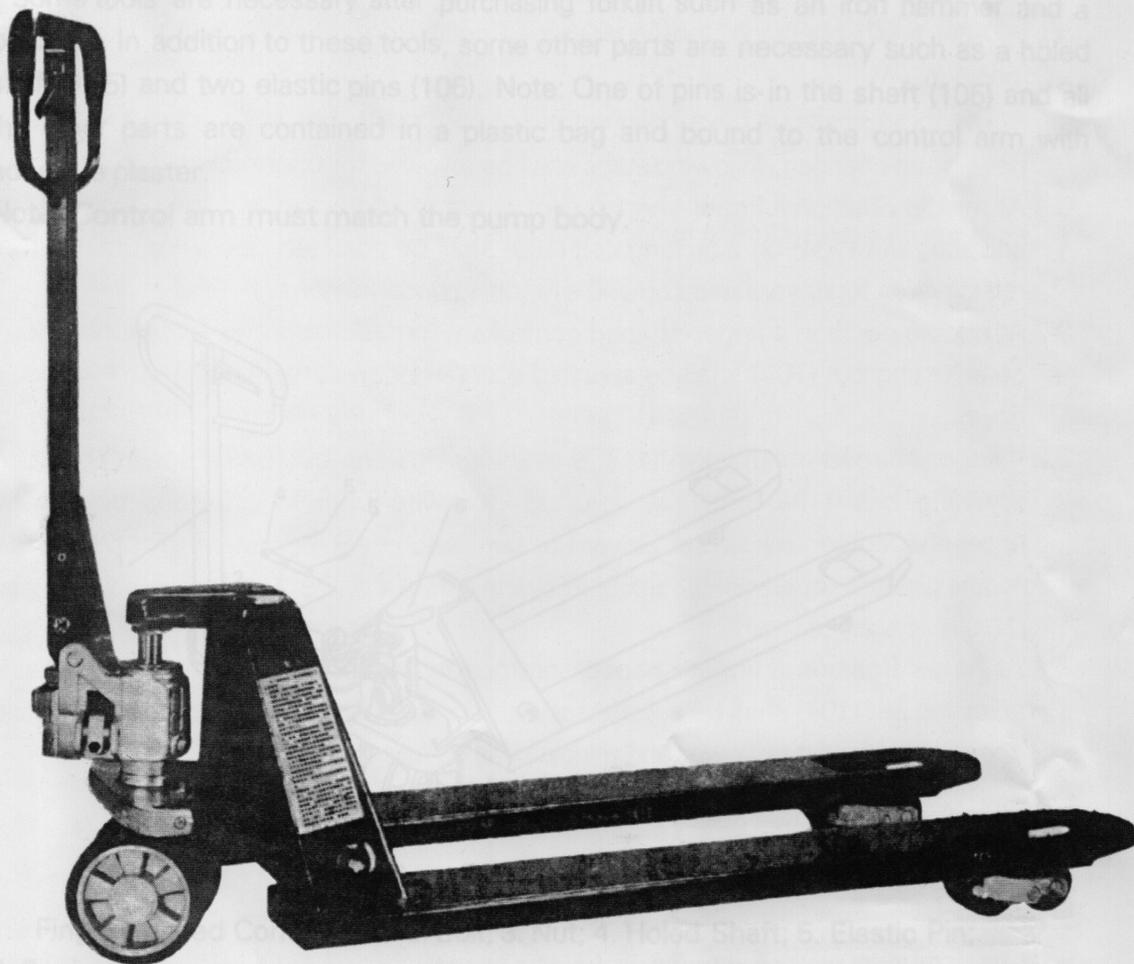


CBY.AC Hand Pallet Truck

INSTRUCTION



Thanks for choosing and using forklift. The product is of excellent workmanship with reasonable design and simple operation. For the purpose of safety and right use of the product, please read this instruction manual carefully.

Note: All the information is based on the data obtained when this instruction manual is issued. The company will have right to improve the product at any time without any prior notice. Therefore, we would like to advise you to obtain our latest information try all means.

1 Standard of Specification

Load: 2000—3000Kg

Length of Fork: 1067—1220mm

Width of Fork: 540—685mm

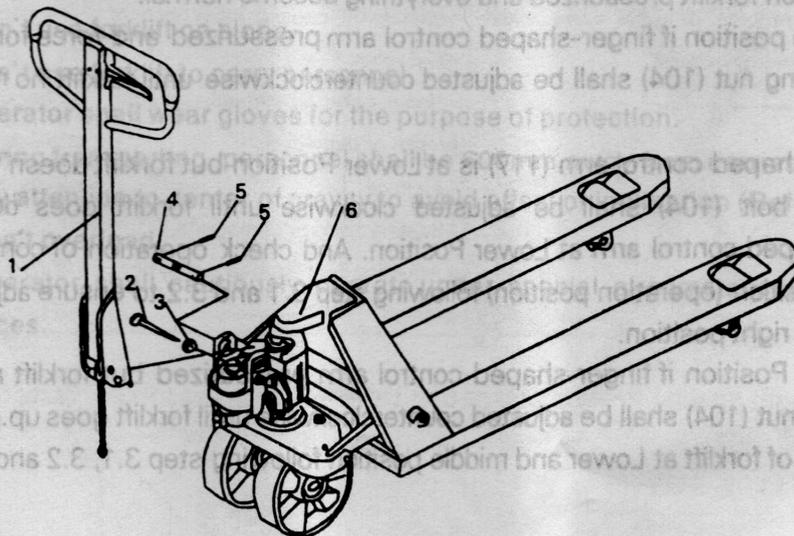
Height of Fork: 75—190—200mm

Net Weight: 74—90Kg

2. Mounting Control Arm to Pump Body

Some tools are necessary after purchasing forklift such as an iron hammer and a pinchers. In addition to these tools, some other parts are necessary such as a holed shaft (105) and two elastic pins (106). **Note:** One of pins is-in the shaft (105) and all the other parts are contained in a plastic bag and bound to the control arm with adhesive plaster

Note: Control arm must match the pump body.



1 Finger-shaped Control Arm; 2. Bolt; 3. Nut; 4. Holed Shaft; 5. Elastic Pin;
6. Carrier

- 2.1 Put the control arm onto small piston and use hammer hitting holed shaft to make it enter hydraulic pump and control arm (note: Make center hole of holed shaft in "V" shape and the elastic pin facing yourself). Use pinchers and hammer to hit elastic pin (106) into the shaft (105).
- 2.2 Remove nut with wrench and set the control arm, remove bolt (see figure 1).
- 2.3 Make adjusting bolt (104), adjusting nut (103) and chain (102) through the center hole of shaft (105), and pull rod bar (319) up and put adjusting bolt (103) into the trough at front end and make adjusting nut (104) stick to bottom of rod bar (319). After done the process, the control arm has been mounted to pump.

Adjusting of Buffer Device

On the control arm of forklift, you can view finger-shaped control arm. It can be adjusted to three positions which are:

Raise

Drive Position

Lower

After finish operation, the finger-shaped control arm shall be pull back to middle position.

The three positions have been set prior to shipment. For any reason the positions have been changed, following steps shall be followed for operation:

- 3.1 At middle position if finger-shaped control arm pressurized and force forklift up, so adjusting nut (104) on adjusting bolt (103) shall be adjusted clockwise until no more raising even forklift pressurized and everything become normal.
- 3.2 At middle position if finger-shaped control arm pressurized and force forklift down, so adjusting nut (104) shall be adjusted counterclockwise until forklift no more going down.
- 3.3 If finger-shaped control arm (117) is at Lower Position but forklift doesn't go down, adjusting bolt (104) shall be adjusted clockwise until forklift does down when finger-shaped control arm at Lower Position. And check operation of control arm at middle position (operation position) following step 3.1 and 3.2 to ensure adjusting bolt (104) is at right position.
- 3.4 At Raise Position if finger-shaped control arm pressurized but forklift no raising, adjusting nut (104) shall be adjusted counterclockwise until forklift goes up. And check operation of forklift at Lower and middle position following step 3.1, 3.2 and 3.3.

Warning

Frequent maintenance is requested for forklift.

4.1 Oiling

Check oil level every 6 months and oil can be hydraulic oil; ISOUG32, and its viscosity shall be 30cSt with total volume 0.41t.

4.2 Exhausting

For transport or upside down of pump, air maybe enters hydraulic oil and it will cause no going up of forklift when finger-shaped control arm at Raise Position pressurized. Below action may be followed to exhaust air: Pull the finger-shaped control arm (117) to Lower Position and pull control arm (110) to move it back and forth several times.

4.3 Daily Inspection & Maintenance

Daily inspection may reduce wear of forklift. Pay special attention to wheels and wheel shaft to find whether thread or list wrapped. After transport, all cargo must be unloaded and make forklift to the lowest position.

4.4 Lubricating

Prior to shipment, all bearings and shafts have been applied with sustaining oil. Add oil to these places on monthly basis or at through cleaning.

5. Guide to Safe Operation

5.1 Prior to operation of the forklift, operator shall thoroughly read the instruction manual and cautions notes on forklift.

5.2 Normally pull finger-shaped control arm to middle position when dragging forklift. Not only is it easy for moving control arm but also it can reduce rebounding force the small piston applied to control arm. Meanwhile it can protect hydraulic sealing kits and piston assembly to prolong life of forklift.

5.3 Personnel not familiar with the equipment or without training don't operate the forklift.

5.4 Check forklift prior to operation and pay special attention to wheels (224,234, 310), control arm assembly, carrier and rod bar (319).

5.5 Don't use forklift on slope.

5.6 Don't use forklift to carry personnel.

5.7 Operator shall wear gloves for the purpose of protection

5.8 During transporting personnel shall be 600mm away from carrier

5.9 Pay attention to center of gravity to avoid offset or inclination (Refer Figure 2B)

5.10 Don't overload.

5.11 Operator shall cautiously operate under special circumstances or at special places.

6. Troubleshooting

Odr.	Trouble	Reason	Troubleshooting
1	Carrier cannot be raised to Max, height.	--Not enough hydraulic oil.	--Add oil.
2	Carrier cannot be raised.	--No hydraulic oil; --Not pure oil; --Position of adjusting bolt (D104) is too high and make relief valve open. --Air in hydraulic oil.	--Add oil; --Change oil; --Adjust bolt (104) (Refer to Item 3 and 4); --Exhaust air.
3	Carrier cannot be lowered.	--Cargo offsets or overload and damaged big piston (328) or pump (322). --Carrier stays at Raise Position for quite a long time and big piston gets exposed and rusted. --Adjusting bolt (104) is not at right position.	--Replace big piston (328) or oil pump (322). --Please lower the carrier to lowest position when it's not under operation, frequently lubricate piston. --Adjust (104) (Refer item 3.3).
4	Oil leakage	--Sealing aged or damaged. --Some parts broken.	--Replace; --Replace.
5	No performance of relief valve when carrier is being lowered.	--Impure oil caused looseness of relief valve. --Some parts in hydraulic system broken or damaged. --Air in oil. --Sealing aged or damaged. --Adjusting bolt (104) is not at right position.	--Replace oil. --Check and replace damaged parts. --Exhaust air (See 4.2). --Adjust bolt (104) (See 3.2).

Personnel without special training please don't attempt to repair forklift by its own.

Fig.2

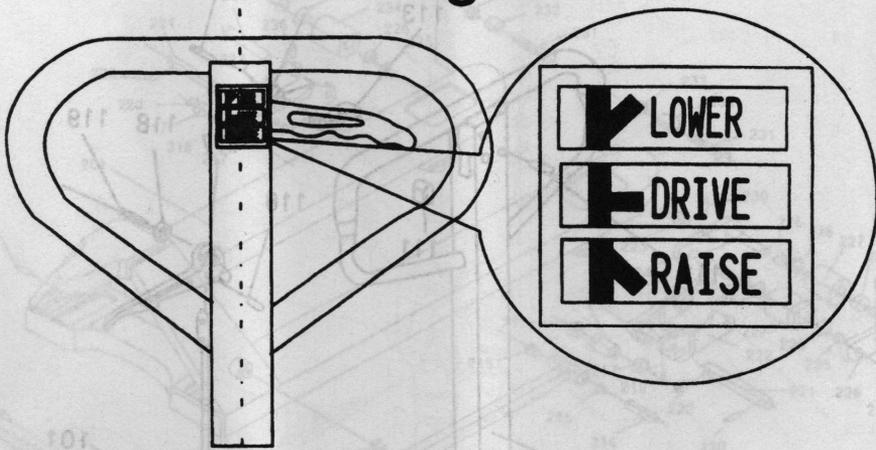
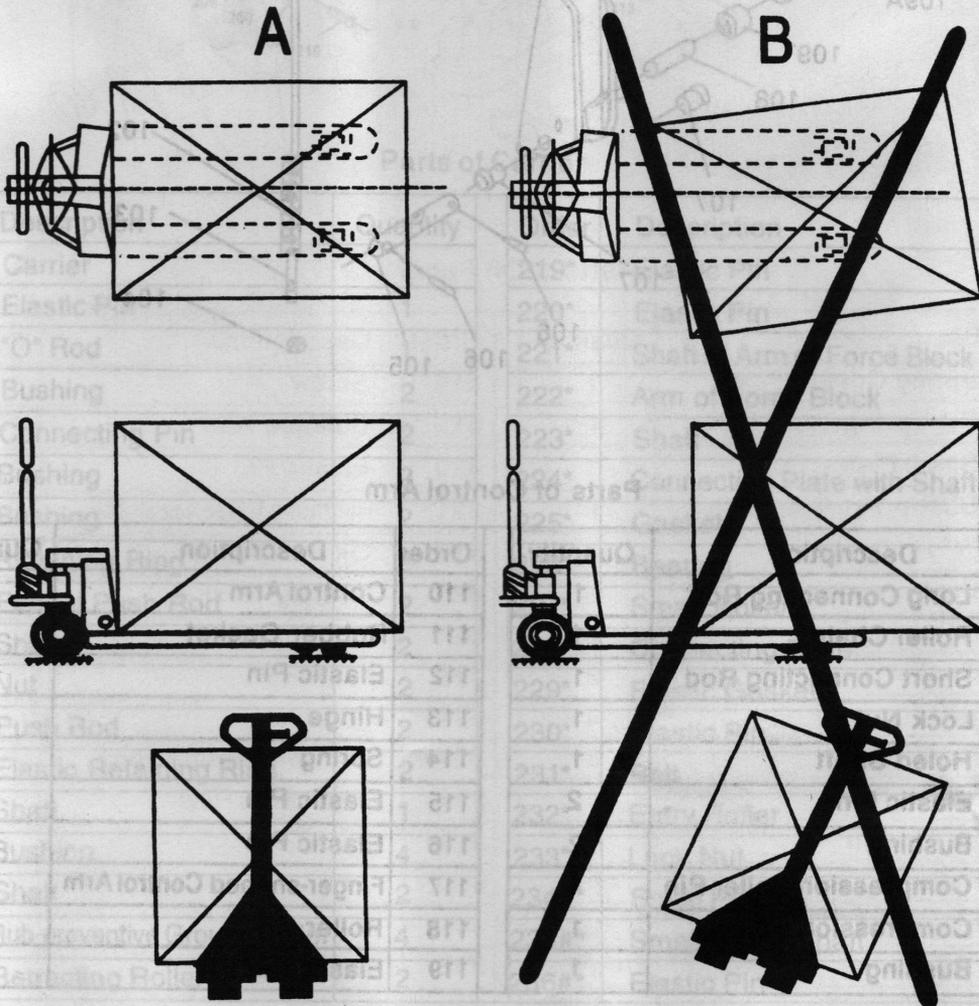
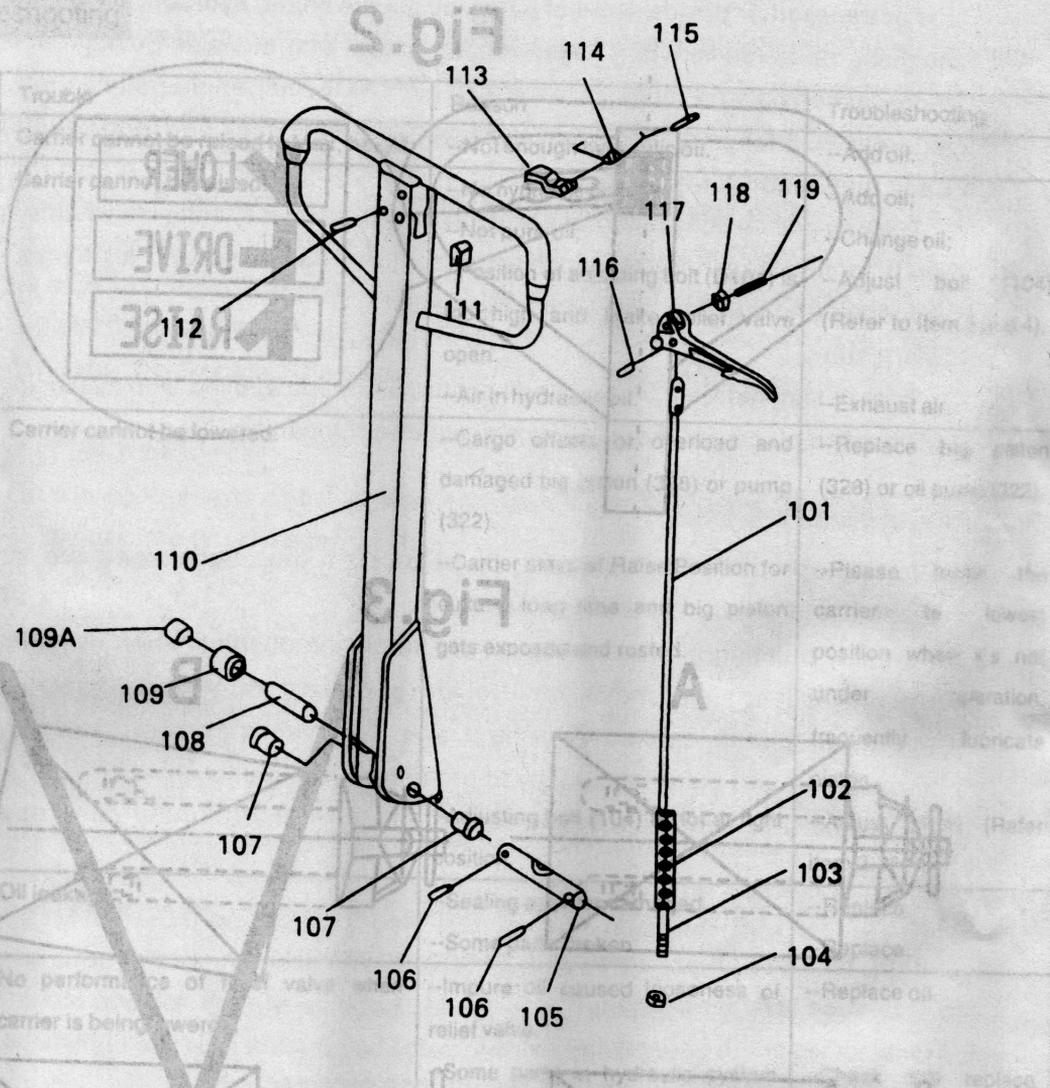


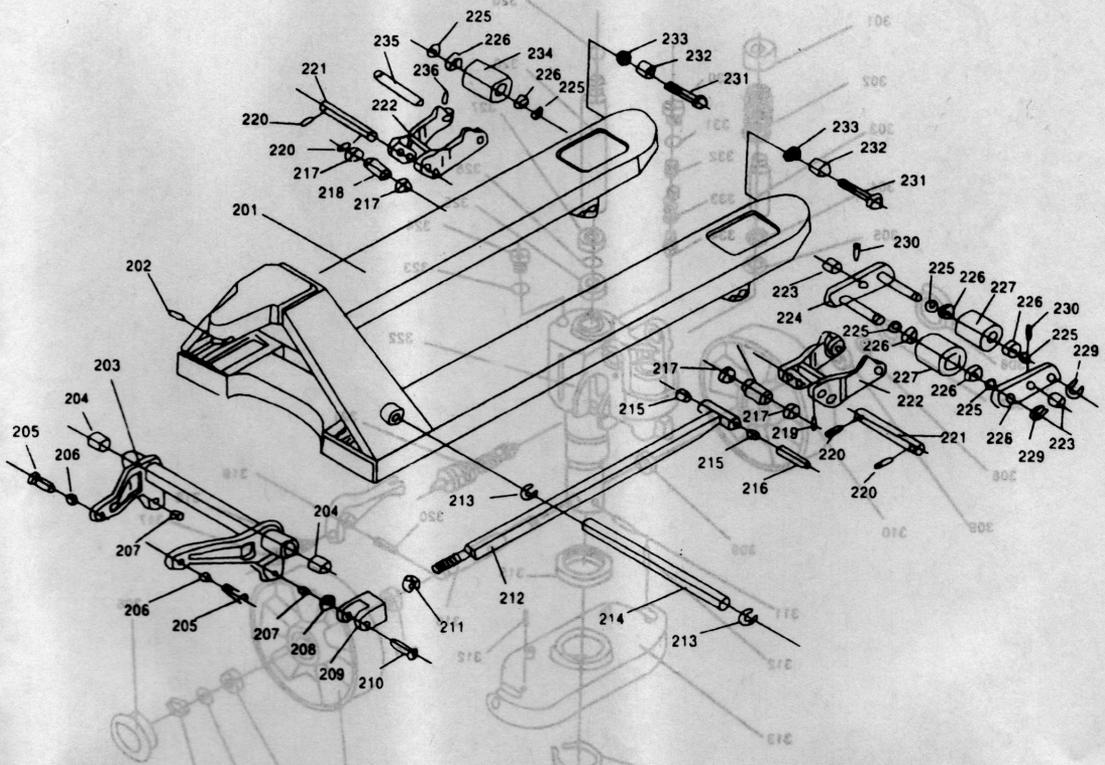
Fig.3





Parts of Control Arm

Order	Description	Quantity	Order	Description	Quantity
101	Long Connecting Rod	1	110	Control Arm	1
102	Roller Chain	1	111	Rubber Gasket	1
103	Short Connecting Rod	1	112	Elastic Pin	1
104	Lock Nut	1	113	Hinge	1
105	Holed Shaft	1	114	Spring	1
106	Elastic Pin	2	115	Elastic Pin	1
107	Bushing	2	116	Elastic Pin	1
108	Compression Roller Pin	1	117	Finger-shaped Control Arm	1
109	Compression Roller	1	118	Roller	1
119A	Bushing	1	119	Elastic Pin	1

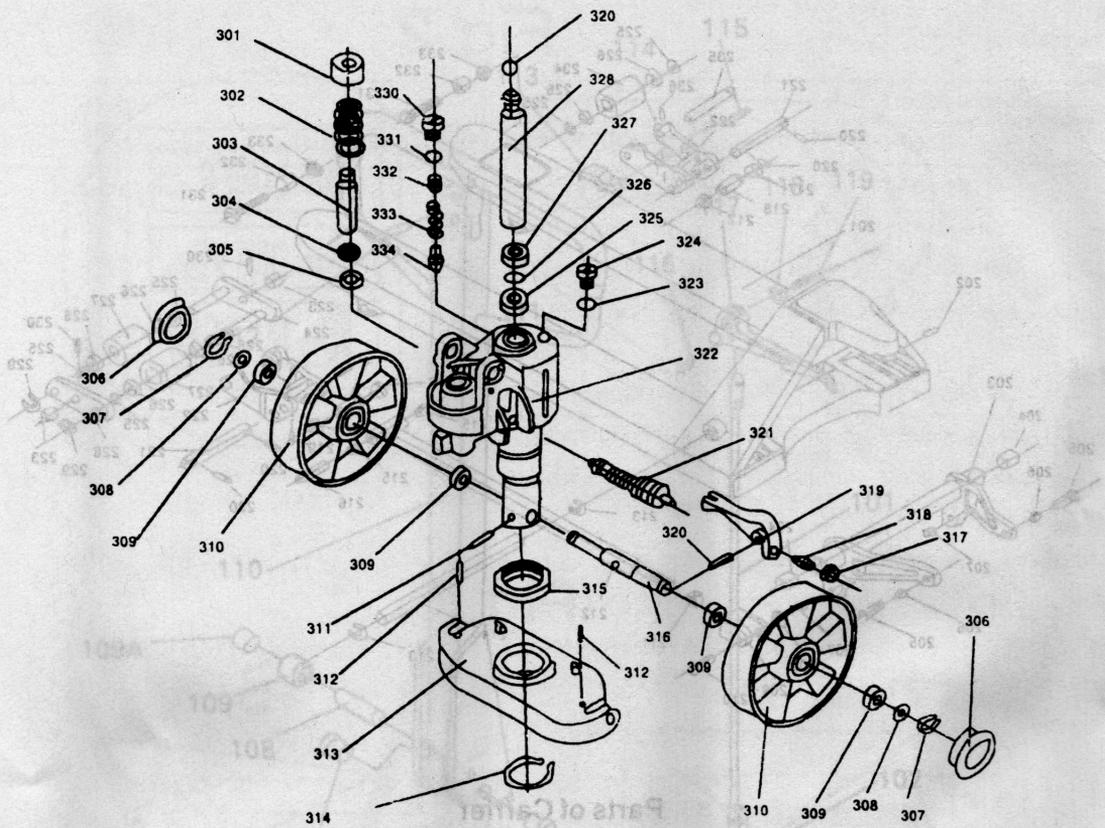


Parts of Carrier

Order	Description	Quantity	Order	Description	Quantity
201	Carrier	1	219*	Elastic Pin	2
202	Elastic Pin	1	220*	Elastic Pin	4
203	"O" Rod	1	221*	Shaft of Arm of Force Block	2
204	Bushing	2	222*	Arm of Force Block	2
205	Connecting Pin	2	223*	Shaft	4
206	Bushing	2	224*	Connecting Plate with Shaft	2
207	Bushing	2	225*	Gasket	8
208	Retaining Ring	2	226*	Bearing	8/4
209	Fork of Push Rod	2	227*	Small Roller	4
210	Shaft	2	228*	Connecting Plate	2
211	Nut	2	229*	Elastic Gasket	4
212	Push Rod	2	230*	Elastic Pin	4
213	Elastic Retaining Ring	2	231*	Bolt	2
214	Shaft	1	232*	Entry Roller	2
215	Bushing	4	233*	Lock Nut	2
216	Shaft	2	234#*	Small Roller	2
217	Rub-preventive Ground Roller	4	235#*	Small Roller Shaft	2
218	Retracting Roller	2	236#*	Elastic Pin	2

Note: *--Dual Roller

#--Single Roller



Parts of Oil Pump

Order	Description	Quantity	Order	Description	Quantity
301	Spring Cover	1	318	Screw	1
302	Big Spring	1	319	Balance Rod	1
303	Small Piston Rod	1	320	Elastic Pin	1
304	Dust-prevention Ring	1	321	Hydraulic Valve Assembly	1
305	"Y" Ring	1	322	Oil Pump Body	1
306	Dust-prevention Cover	2	323	Sealing Gasket	1
307	Retaining Ring	2	324	Bolt	1
308	Gasket	2	325	"Y" Ring	1
309	Bearing	4	326	"O" Ring	1
310	Big Wheel	2	327	Dust-prevention Ring	1
311	Elastic Pin	1	328	Big Piston Rod	1
312	Elastic Pin	2	329	Iron Ball	1
313	Retaining Plate	1	330	Adjusting Bolt	1
314	Elastic Retaining Ring	1	331	"O" Ring	1
315	Bearing	1	332	Adjusting Screw	1
316	Big Wheel Shaft	1	333	Spring	1
317	Helix Nut	1	334	Core of Safety Valve	1