Operation Instructions

Parts Manual



Stainless Hand Pallet Truck

WH-25S-H / WH-30S-H

Note: Operator MUST read and understand these operating instructions before using this Hand Pallet Truck.

It is highly recommended to the user of this stainless steel hand pallet truck to clean at least once a day and mainly after finishing using it, the stainless steel hand pallet truck with clear, non-salted water in order to take away all possible rests of corrosive products.

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ATTENTION:

1. **The waste packages should be sorted and put into solid dustbins according to the materials and be collected disposal by local special environment protection bureau. To avoid pollution, it's forbidden to throw away the wastes randomly.**

2. **To avoid leaking during the use of the products, the user should prepare some absorbable materials (scraps of wooden or dry duster cloth) to absorb the leaking oil in time. To avoid second pollution to the environment, the used absorbable materials should be handed in to special departments in terms of local authorities.**

Thank you for using our pallet trucks. Your pallet truck is made of high quality steel and is designed for the horizontal lifting and transport of loads on a pallet or standardized containers on a level, fixed base. 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. We reserves the right to modify our own products at any moment without notice and liability in any sanctions. So, it is suggested to always verify possible updates and changes.

1. GENERAL SPECIFICATIONS

Model number		WH-25S-H	WH-30S-H
Capacity	(kg)	2500	3000
Maximum. Fork Height	(mm)	195/185	
Minimum. Fork Height	(mm)	85/75	
Fork Length	(mm)	1150/1220	
Width Overall Forks	(mm)	550/685	
Individual Fork Width	(mm)	160	
Double Load Wheel size	(mm)	Ø 80x70 Nylon or PU	
Single Load Wheel size	(mm)	Ø74x93 Nylon or PU	
Steering Wheel Diameter	(mm)	Ø180x50 Nylon or PU	

Materials and specifications are subject to change without notice.

2. ATTACHING DRAW-BAR TO PUMP UNIT

If you have purchased a wooden box of pallet truck, some assembly is required. Certainly, you need some tools, a hammer, a pliers, a spanner, etc; and some parts, one axle with hole (item 228), two elastic pins (item 229)(**Note one is in the axle (item 228)**, these parts are putted in a plastic bag, which is putted into the draw-bar.

NOTE: The number of draw-bar and pump should be the same.

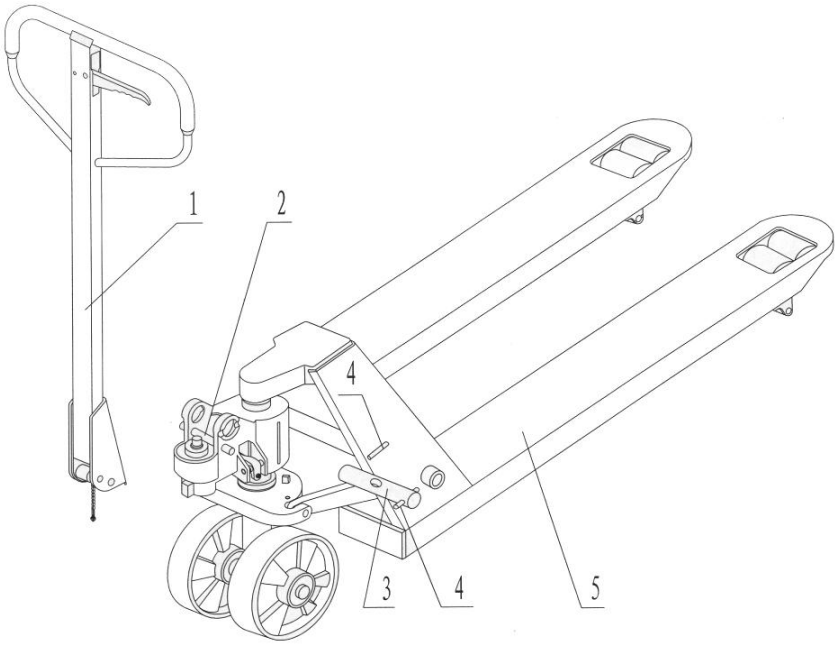


Fig. 1

1. Draw-bar 2. Pin 3. Axle with hole 4. Elastic pin 5. Fork frame

When attaching the handle, you had better squat just behind the pallet truck. Then you:

2.1 Insert the draw-bar onto the pump piston (item 226)**,** then use a hammer to insert the axle with hole (item 228) into the hydraulic pump and draw-bar **from the right to left.** (See fig. 2).

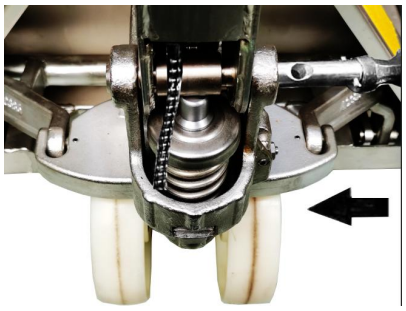


Fig. 2

2.2 Let control handle(117) to the '**LOWER**' position, then pass the adjusting nut(104), adjusting bolt(103) and chain(102) through the hole of axle(228) with your hand (See fig. 3).

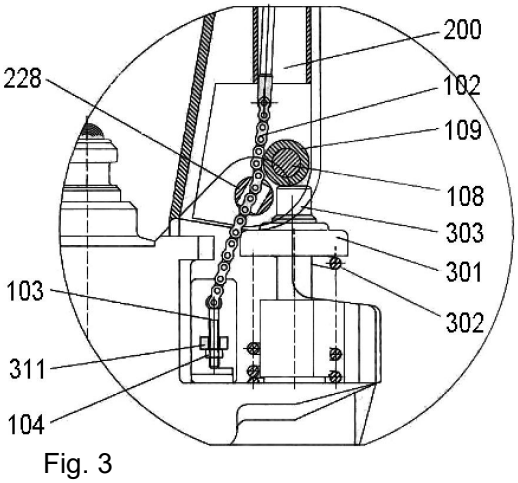


Fig. 3

2.3 Press the draw-bar (200) down, take away the pin(#2) (See Fig. 1).

2.4 Let the control handle (117) on '**RAISE**' position, then raise the lever plate (311) with the pin (#2) and insert the adjusting bolt(103) into the front slot of lever plate (311), note to keep the adjusting nut (104) on the under side of the lever plate.

2.5 Use a hammer to tap another elastic pin (229) into the axle with hole (228).

The draw-bar is now assembled to the pump.

3. ADJUSTING RELEASE DEVICE

On the draw-bar of this pallet truck, you can find the control handle(117) which can be adjusted in three positions :

Raise -handle down
Drive -handle in center position
Lower -handle up, the lever moves back the drive position when released.

If however they have been changed, you can adjust according to following step:

3.1 If the forks elevate while pumping in the **DRIVE** position, turn the adjusting nut (104) on the adjusting bolt(103) or screw(308) clock wise until pumping action does not raise the forks and the **DRIVE** position functions properly.

3.2 If the forks descend while pumping in the **DRIVE** position, turn the nut(104) or screw(308) counter-clockwise until the forks do not lower.

3.3 If the forks do not descent when the control handle (117) is in the **LOWER** position, turn the nut(104) or screw (308) clockwise until raising the control handle(117) lowers the forks. Then check the **DRIVE** position according to item 3.1 and 3.2 to be sure the nut (104) and screw(308) is in the proper position.

3.4 If the forks do not elevate while pumping in the **RAISE** position, turn the nut (104) or screw (308) counter-clockwise until the forks elevate while pumping in the **RAISE** position. Then check the **LOWER** and **DRIVE** position according to item 3.1, 3.2 and item 3.3.

4. MAINTENANCE

The pallet truck is largely maintenance-free.

4.1 OIL

Please check the oil level every six months. The oil can be hydraulic oil: L-HV32, its viscosity should be -20℃~+40℃, total volume is about 0.3L.

4.2 TO BANISH THE AIR

The air may come into the hydraulic oil because of transportation or pump in upset position. It can cause that the forks do not elevate while pumping in the **RAISE** position. The air can been removed in the following way: let the control handle (117) on the **LOWER** position, then move the draw-bar up and down for several times.

4.3 DAILY CHECK AND MAINTENANCE

Daily check of the pallet truck can limit wear as much as possible. Special attention should be paid to the wheels, the axles, as thread, rags, etc. It may block the wheels. The forks should be unloaded and lowered in the lowest position when the job is over.

4.4 LUBRICATION

All bearings and shafts are provided with long-life grease at the factory. You only need provide with long-life grease at monthly intervals or after each time the truck is cleaned thoroughly to the lubrication points.

5 GUIDE TO SAFETY OPERATION

5.1 Operator should read all warning signs and instructions here and on the pallet truck before using this truck.
5.2 Do not use on a slopping ground.
5.3 Do not operate a pallet truck unless you are familiar with it and have been trained or authorized to do so.
5.4 Do not operate a pallet truck unless you have checked its condition. Give special attention to the wheels or rollers, the draw-bar unit, the fork unit, the lever plate, etc. .
5.5 To pull the truck, always move the control handle into the drive position. This makes the draw-bar easier to move and depressurizes the pump section of the hydraulics. This preserves the hydraulic seals and the valve components. A long service life can be expected.
5.6 Do not take up any people on the pallet truck.
5.7 The operator had better take on gloves for labor protecting.
5.8 When the goods have been transported, all people should be away from the forks for 600mm.
5.9 Do not load goods like fig. 5/B .
5.10 Do not load over maximum capacity.
5.11 At others special condition or place, the operator should be carefully to operate the pallet truck.

6. TROUBLES SHOOTING

No	Trouble	Clause	Fixing Methods
1	The forks can not be lifted up the maximum height.	-The hydraulic oil is not enough.	-Pour in the oil.
2	The forks can not be lifted up.	Without hydraulic oil. The oil has impurities. The nut (104) is too high, keep the pumping valve open. Air come into the hydraulic oil.	Fill in the oil. Change the oil. Adjust the nut(104) or screw (308) (see item 3.4) Banish the air.(see item 4.2)
3	The forks can not be lowered.	The piston rod(315) or pump (314) is deformed resulting from partial loading slanting to one side or over-loading. 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 (104) or screw (308) is not in correct position.	Replace the piston rod (315) or pump (314). Keeping the fork in the lowest position if not using, and pay more attention to lubricate the rod. Adjust the nut (104) or screw (308) (see item 3.3)
4	Leaks	Sealing parts worn or damaged. Some part cracked or worn into small.	Replace with the new one. Replace with the new one.
5	The forks lowered without the release valve working.	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 come into the oil. Sealing parts worn or damaged. The adjusting nut (104) or screw (308) is not in the correct position.	Replace with new oil. Inspect and replace the waste parts. Banish the air. (See item 4.2) Replace with the new one. Adjusting the nut (104) or screw (308). (See item 3.2)

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

Fig. 4

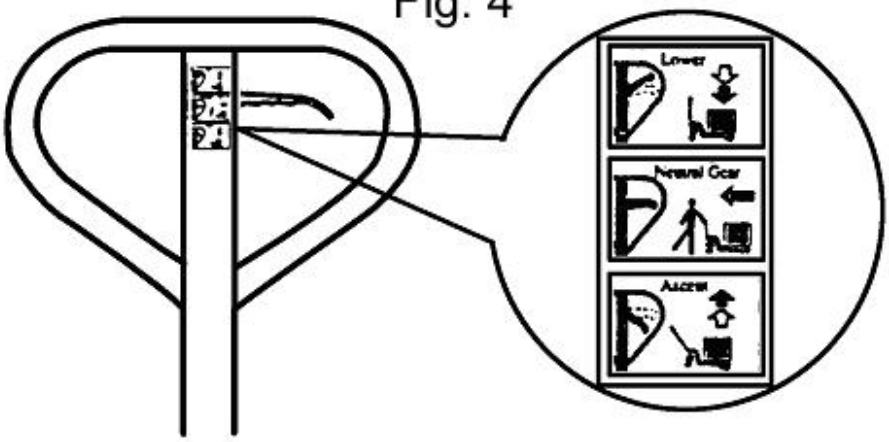
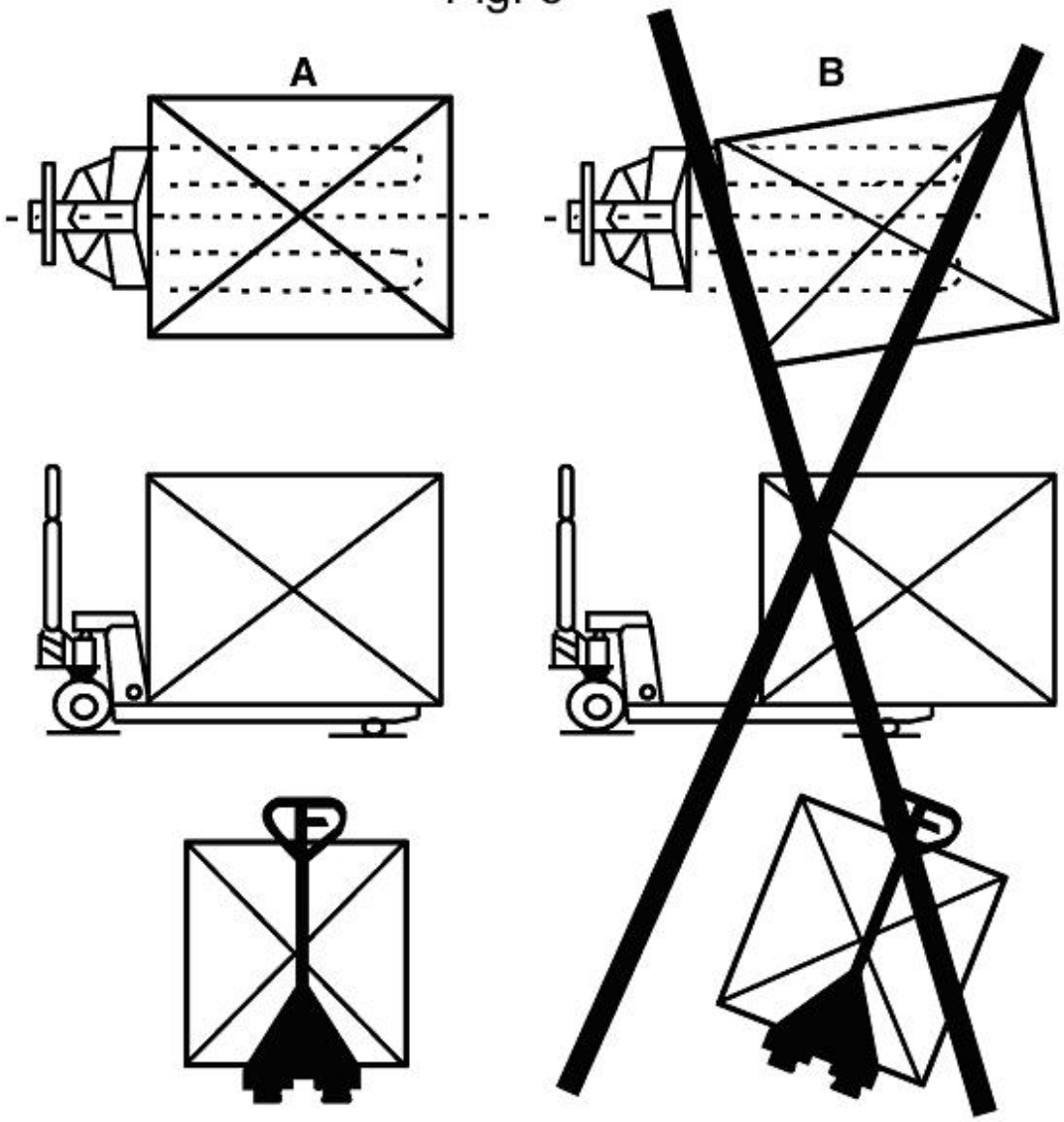
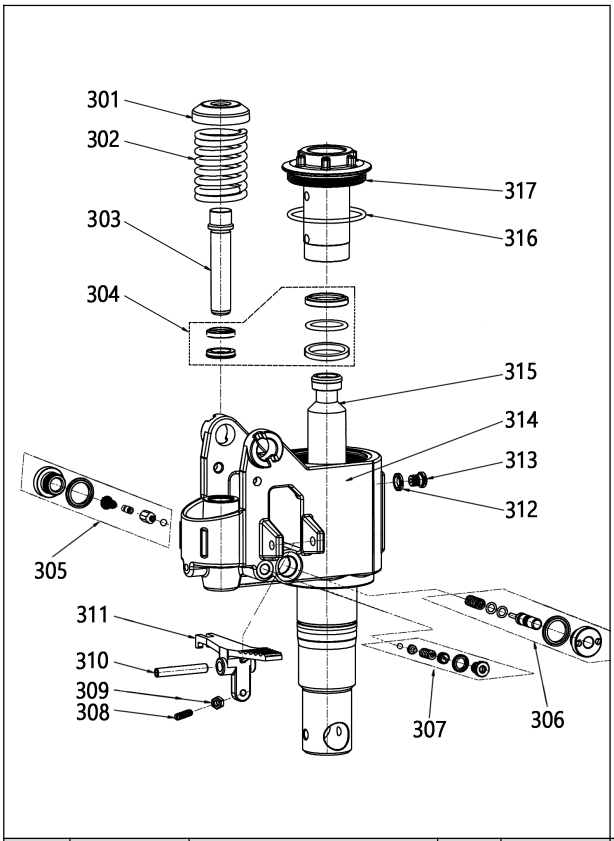


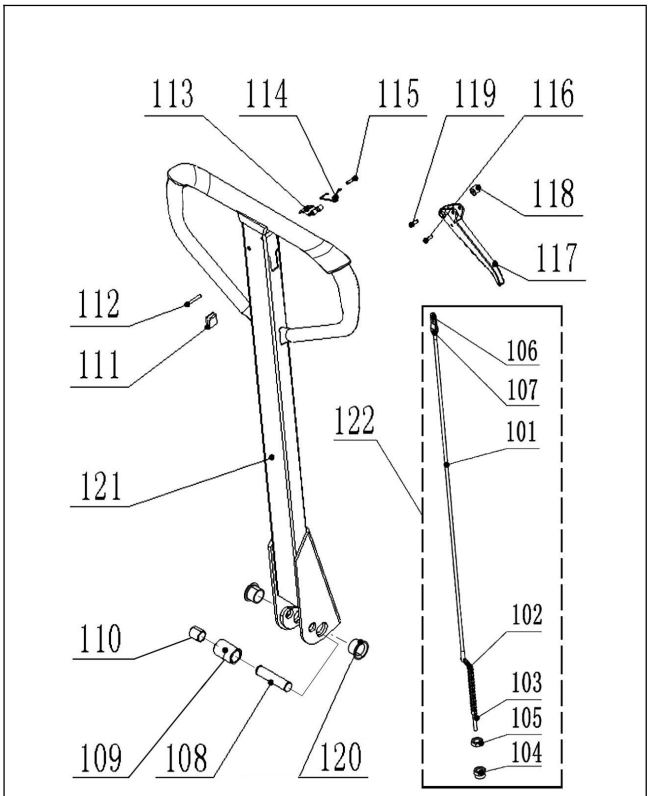
Fig. 5



Parts manual

Details for Handle and pump

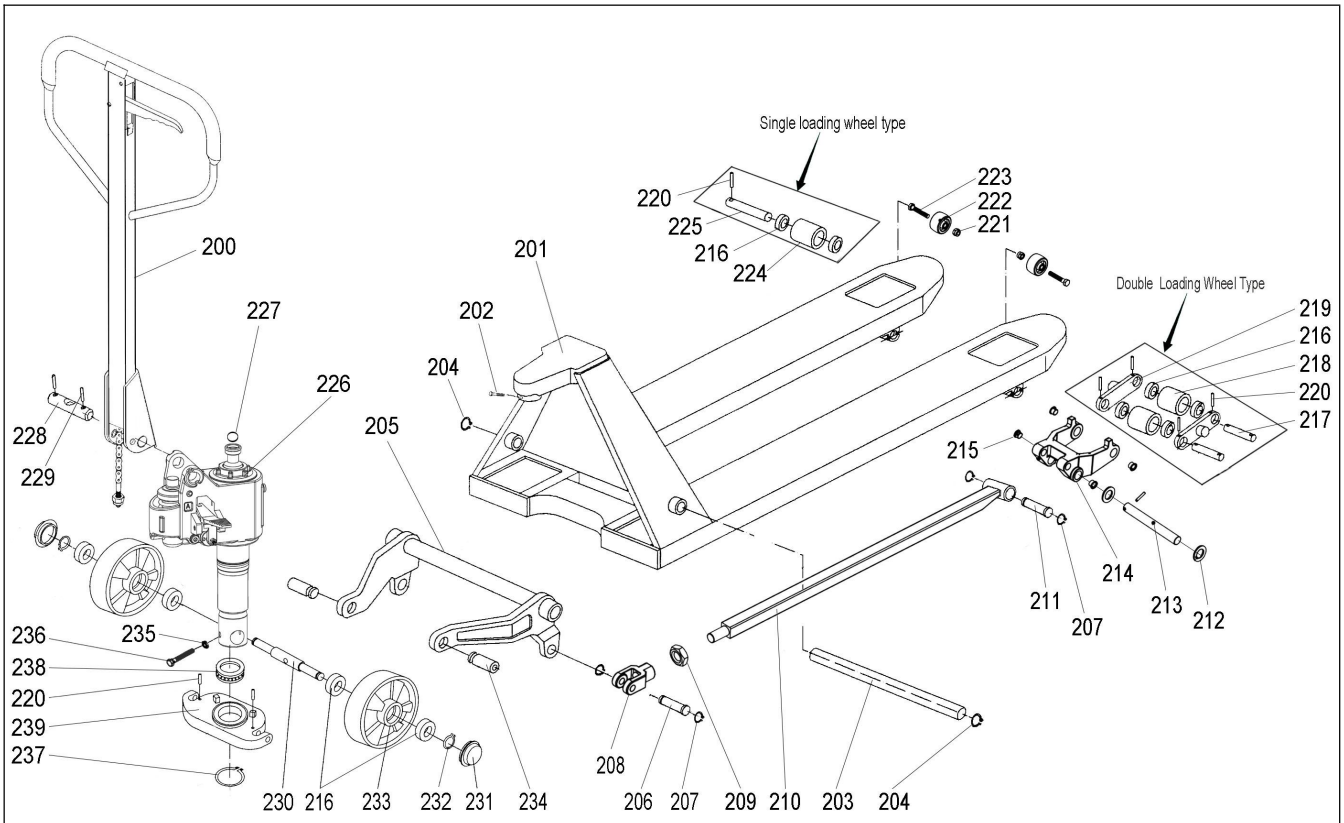




No.	P/N	Description	Qty.	Material
301	28030301	Spring cover	1	304
302	28030302	Big spring	1	304
303	28030303	Small piston rod	1	304
304	28030304	Pump seal kits Ø31.5	1	Rubber
305	28030305	Check valve assy.	1	304+rubber
306	28030306	Relief valve assy.	1	304+rubber
307	28030307	Safety valve assy.	1	304+rubber
308	28030308	Regulate screw M6*25	1	304
309	28030309	Nut M6	1	304
310	28030310	Spring pin φ8*50	1	304
311	28030311	Lever plate	1	304
312	28030312	Combination washer Ø10	1	304+rubber
313	28030313	Plug M10*1	1	304
314	28030314	Pump Base	1	304
315	28030315	Piston rod	1	304
316	28030316	O-Ring φ65*2.65	1	Rubber
317	28030317	Cover f pump	1	304

No.	P/N	Description	Qty.	Material
101,106/ 107	28030101	Long connecting rod	1	304
102~105	28030102	Chain assy.	1	304
108	28030109	Roller pin	2	304
109~110	28030110	Pinch roller with bushing	1	304
111	28030112	Rubber blanket	1	Rubber
112	28030113	Spring pin	1	304
113	28030114	Blade Spring	1	304
114	28030115	Torsional spring	1	304
115	28030116	Spring pin	1	304
116	28030117	Spring pin	1	304
117	28030118	The finger handle	1	304+rubber
118	28030119	Idler wheel	1	Rubber
119	28030120	Spring pin	1	304
120	28030108	Bushing	1	304
121	28030121	Handle body		304+rubber
122	28030122	Rod & chain assy.(Inc.101~107)		304

Parts details for chassis



No.	P/N	Description	Qty	Material
200	28030200	Handle assy.	1	304+rubber
201	28030201	Chassis and forks (2.5T,685*1220)	1	304
	28030201-1	Chassis and forks (2.5T, 550*1150)	1	304
	28030201-2	Chassis and forks (3T/685*1220)	1	304
	28030201-3	Chassis and forks (3T/550*1150)	1	304
202	28030202	Screw M6*15	1	304
203	28030203	Long axis 685	1	304
	28030203-1	Long axis 550	1	304
204	28030204	Circlip φ25	2	304
205	28030205	Rocker arm 685	1	304
	28030205-1	Rocker arm 550	1	304
206	28030206	Connecting pin φ16*50	2	304
207	28030207	Check ring φ16	4	304
208	28030208	The push rod fork	2	304
209	28030209	Nut M22*1.5	4	304
210	28030210	Push rod for fork 1150 (2.5T)	2	304
	28030210-1	Push rod for fork 1200 (2.5T)	2	304
	28030210-2	Push rod for fork 1150 (3T)	2	304
	28030210-3	Push rod for fork 1200 (3T)	2	304
211	28030211	Shaft φ16*88	2	304
212	28030212	Nylon washer φ22*4	4	Nylon
213	28030213	Pin shaft φ20*152	4	304
214	28030214	Wheel fork	2	304
215	28030215	Bushing	8	304
216	28030216	Bearing S6204-Z	12/8	304
217	28030217	Pin shaft φ20*95	4	304

No.	P/N	Description	Qty	Material
218	28030218	Double loading wheel (nylon 80*70) std	4	Nylon
	28030218-1	Double loading wheel (PU 80*70) Option	4	304+PU
219	28030219	Three consecutive plate	4	304
220	28030220	Spring pin φ5*30	12/8	304
221	28030221	Caulking nut M6	2	304
222	28030222	Entry roller	2	Nylon
223	28030223	Bolt M6*60	2	304
224	28030224	Nylon Single loading wheel Ø74*93mm	2	Nylon
	28030224-1	PU Single loading wheel Ø74*93mm	2	304+PU
225	28030225	Shaft for single load wheel Ø20*154	2	304
226	28030226	Pump assy.	1	304
227	28030227	Steel ball Ø19	1	304
228	28030228	Handle perforated pin φ20*110	1	304
229	28030229	Spring pin φ5*35	2	304
230	28030233	Shaft for steering wheel	1	304
231	28030231	Dust cap	2	Nylon
232	28030232	Retaining ring	2	304
233	28030233	Steering wheel (Nylon φ180*50) std	2	Nylon
	28030233-1	Steering wheel (PU φ180*50) option	2	304+PU
234	28030234	Pin shaft φ16*40	2	304
235	28030235	Caulking nut M8	1	304
236	28030236	Bolt M8*65	1	304
237	28030237	Circlip φ55	1	304
238	28030238	Bearing 51111	1	304
239	28030239	Thrust strip	1	304