



Instruction Manual

Galvanized Steel Pallet Truck

Part Number: 272855



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

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Galvanized Steel Pallet Truck (Part # 272855) Instruction Manual

ATTENTION: TO INSURE SAFE AND EASY USE OF YOUR WESCO PALLET TRUCK, READ THESE INSTRUCTIONS ENTIRELY BEFORE USING.

Thank you for purchasing a Wesco Galvanized Pallet Truck. This pallet truck is made of high quality steel and designed for transporting and horizontal lifting. The truck can transport loads on a pallet or standardized containers on a level, fixed base. For safe and appropriate operation, please carefully read these instructions before operating the unit.

NOTE: All of the information reported herein is based on data available at the moment of printing. We reserve 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

Capacity	5500 lbs	2500 kg
Overall Height	48"	1220 mm
Overall Length	63"	1600 mm
Overall Width:	27"	685 mm
Fork Length	48"	1220 mm
Individual Fork Width	6.25"	160 mm
Load Wheel Diameter	Ø3" x 2.8" Nylon	Ø74 mm x 70 mm Nylon
Steering Wheel Diameter	Ø7" Nylon	Ø180 mm Nylon
Weight	166 lbs	75 kg

Materials and specifications are subject to change without notice.

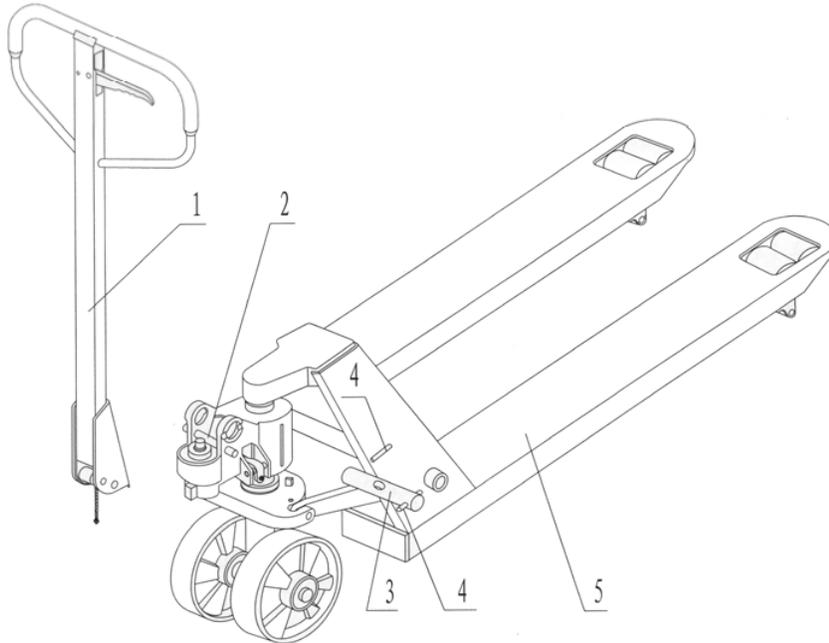
2. ATTACHING DRAW-BAR TO PUMP UNIT

If you have purchased a boxed pallet truck, some assembly is required. You will need the following tools: a hammer, pliers, a wrench, etc. Along with those tools, the following parts are needed: one Axle with Hole (105) and two Elastic Pins (106). These parts are packaged in a plastic bag, which is packed inside the Draw-Bar.

NOTE: One Elastic Pin is in the Axle (105).

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2. ATTACHING DRAW-BAR TO PUMP UNIT (continued)



1. Draw Bar 2. Pin 3. Axle with Hole 4. Elastic Pin 5. Fork Frame

Fig. 1

2.1 Insert the Draw-Bar onto the Pump Piston (303), then use a hammer to insert the Axle with Hole (105) into the Hydraulic Pump and Draw-Bar **from the right to left** (from the perspective of standing behind the unit). (See Fig. 2).

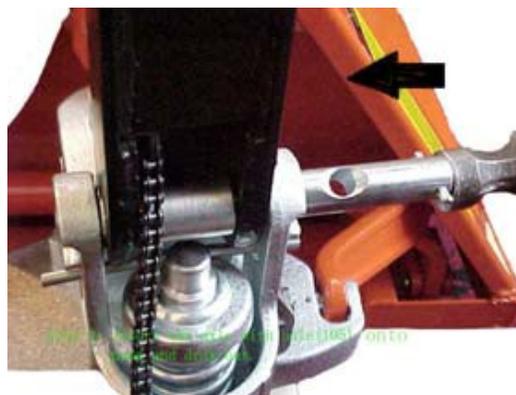


Fig. 2

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2. ATTACHING DRAW-BAR TO PUMP UNIT (continued)

2.2 Set the Control Handle (117) to the '**LOWER**' position, then pass the Adjusting Nut (104), Adjusting Bolt (103) and Chain (102Z) through the hole of the axle (105) by hand (See Fig. 3).

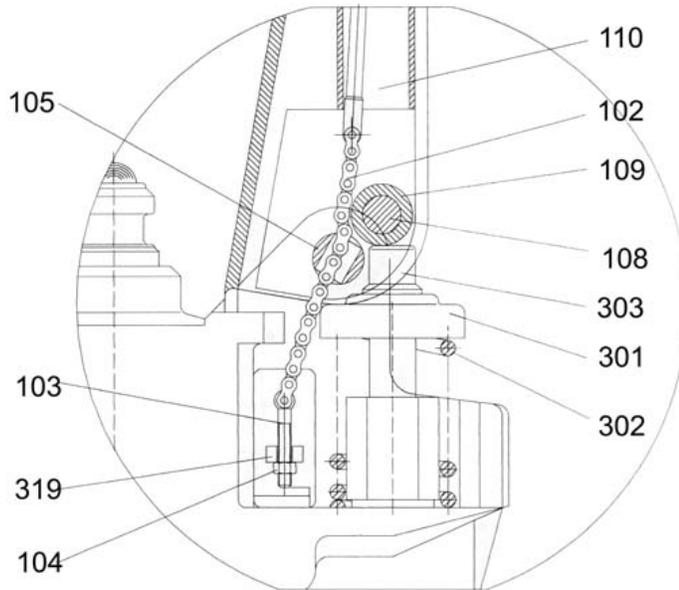


Fig. 3

2.3 Press the Draw-Bar (110Z) down and then take away the Pin (See Item 2 in Fig. 1).

2.4 Set the Control Handle (117) to the '**RAISE**' position, then raise the Lever Plate (319) with the Pin (Item 2 in Fig. 1) and insert the Adjusting Bolt (103) into the front slot of the Lever Plate (319).

Note: Keep the Adjusting Nut (104) on the underside of the lever plate.

2.5 Use a hammer to insert another Elastic Pin (106) into the Axle with Hole (105). The Draw-Bar is now assembled to the pump.

3. ADJUSTING RELEASE DEVICE

The Control Handle (117) is located on the Draw-Bar of the truck and can be adjusted to three different positions:

Raise	- Handle down
Drive	- Handle in center position
Lower	- Handle up, the lever moves back to 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 (318) clockwise until pumping action does not raise the forks and the **DRIVE** position functions properly.

3. ADJUSTING RELEASE DEVICE (continued)

- 3.2** If the forks descend while pumping in the **DRIVE** position, turn the Nut (104) or Screw (318) counter-clockwise until the forks do not lower.
- 3.3** If the forks do not descend when the Control Handle (117) is in the **LOWER** position, turn the Nut (104) or Screw (318) 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 (318) are in the proper position.
- 3.4** If the forks do not elevate while pumping in the **RAISE** position, turn the Nut (104) or Screw (318) 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 mostly maintenance-free.

4.1 OIL

Please check the oil level every six months. The oil can be hydraulic oil: ISO VG32, its viscosity should be 30cSt at 104°F (40°C), total volume is about 0.4lt.

4.2 AIR REMOVAL

Air may contaminate the hydraulic oil through use during transportation or pumping up to a position. It can cause the forks to not elevate while pumping in the **RAISE** position. The air can be cleared out by setting the control handle (117) to the **LOWER** position, then moving the draw-bar up and down repeatedly.

4.3 DAILY CHECK AND MAINTENANCE

Check the pallet truck daily to limit wear as much as possible. Pay special attention to the wheels and the axles because thread, rags, etc. may block the wheels. The forks should be unloaded and set to the lowest position when not in use.

4.4 LUBRICATION

All bearings and shafts are provided with long-life grease at the factory. Long-life grease only needs to be applied at monthly intervals or after each thorough cleaning of the lubrication points.

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5. SAFETY INFORMATION

- 5.1 Operator should read all warning labels and instructions before using this truck.
- 5.2 Do not use on uneven surfaces.
- 5.3 Do not operate the pallet truck unless you are familiar with the unit and have been trained or authorized to do so.
- 5.4 Do not operate the pallet truck unless you have checked its condition. Check the wheels, the 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. Making sure to do this will preserve the hydraulic seals and the valve components in order to maintain a long service life.
- 5.6 Do not lift or transport people on the pallet truck.
- 5.7 When the goods have been transported, people should keep a distance of 2' (600mm) away from the forks.
- 5.8 Do not load goods like fig. 5/B. Center loads on the pallet truck.
- 5.9 Do not load the truck over the maximum capacity of the unit: 4,400 lbs (2000kg).

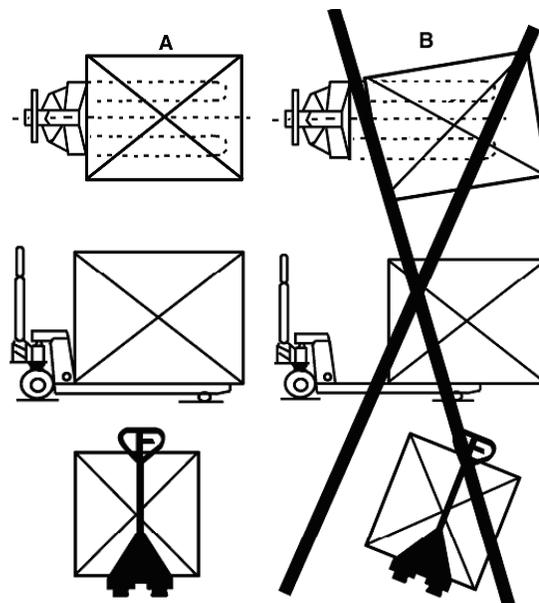
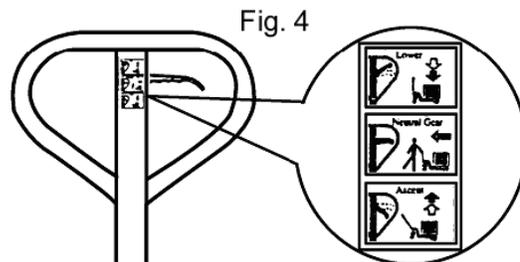


Fig 5.

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6. TROUBLE SHOOTING

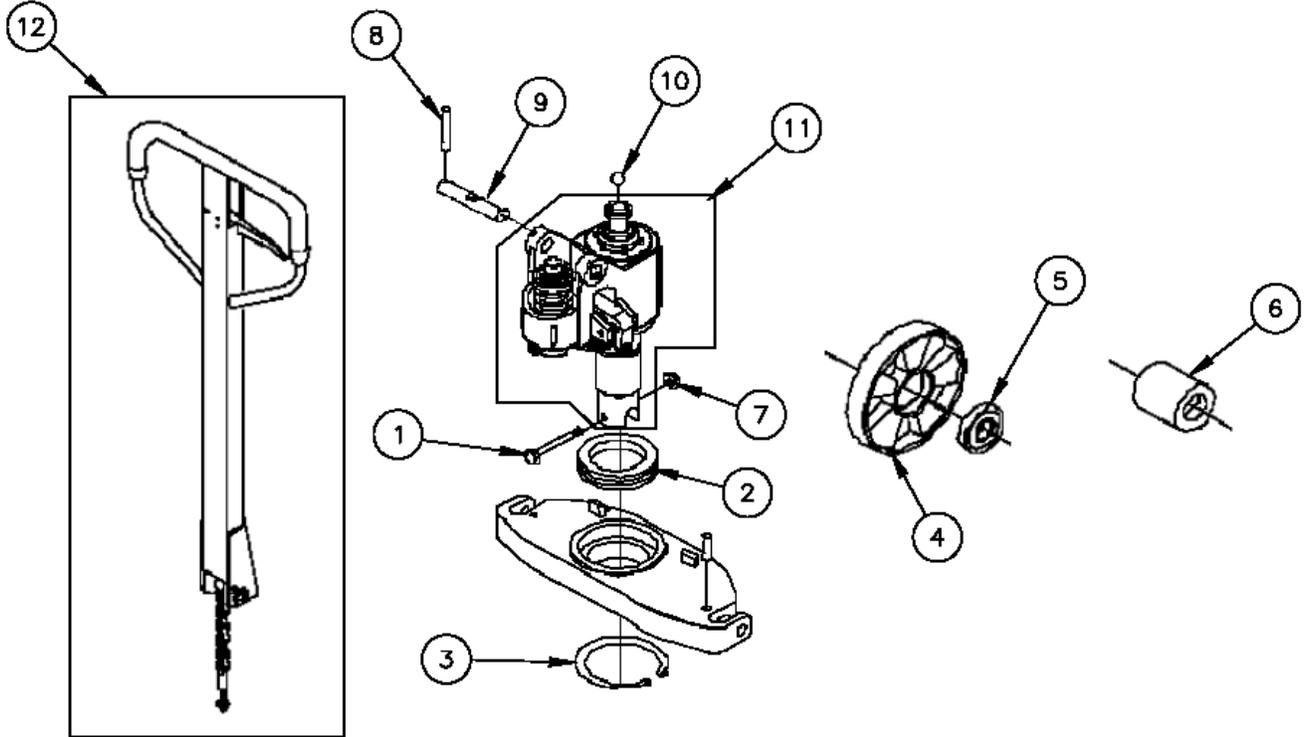
No	Problem	Causes	Solutions
1	Forks cannot lift to maximum height	- There is not enough hydraulic oil.	- Pour in hydraulic oil.
2	Forks cannot lift up	- No hydraulic oil. - The oil has impurities. - The Adjusting Nut (104) is too high, keeping the pumping valve open. - Air enters the hydraulic system.	- Refill the hydraulic oil. - Change the oil. - Adjust the nut (104) or screw (318) (see item 3.4) - Remove the air.(see item 4.2)
3	Forks cannot be lowered	-The Piston Rod (328) or Pump Body (322) is deformed resulting from partial loading slanting to one side or over-loading. -The fork was kept in a high position for an extended amount of time. The piston rod bore to arise in rusting and jamming of the rod. - The Adjusting Nut (104) or Screw (318) is not in correct position.	- Replace the Piston Rod (328) or Pump Body (322). -Keep the fork in the lowest position if not using, and pay more attention to lubricate the rod. -Adjust the Nut (104) or Screw (318) (see item 3.3)
4	Leaks	- Sealing parts worn or damaged. - Some part cracked or worn down.	- Replace with the new parts. -Replace with the new part.
5	Forks lowers without the release valve working	-Impurities in the oil prevent the release valve from closing. -Some part/s of hydraulic system are cracked or bored. - Air enters the hydraulic system. -Sealing parts worn or damaged. -The Adjusting Nut (104) or Screw (318) is not in the correct position.	-Replace with new oil. -Inspect and replace the damaged part/s. -Remove the air. (See item 4.2) -Replace with the new parts. -Adjust the nut (104) or screw (318). (See item 3.2)

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

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7. PART INFORMATION (FOR UNITS PURCHASED AFTER 2016)

7.1 PARTS DIAGRAM



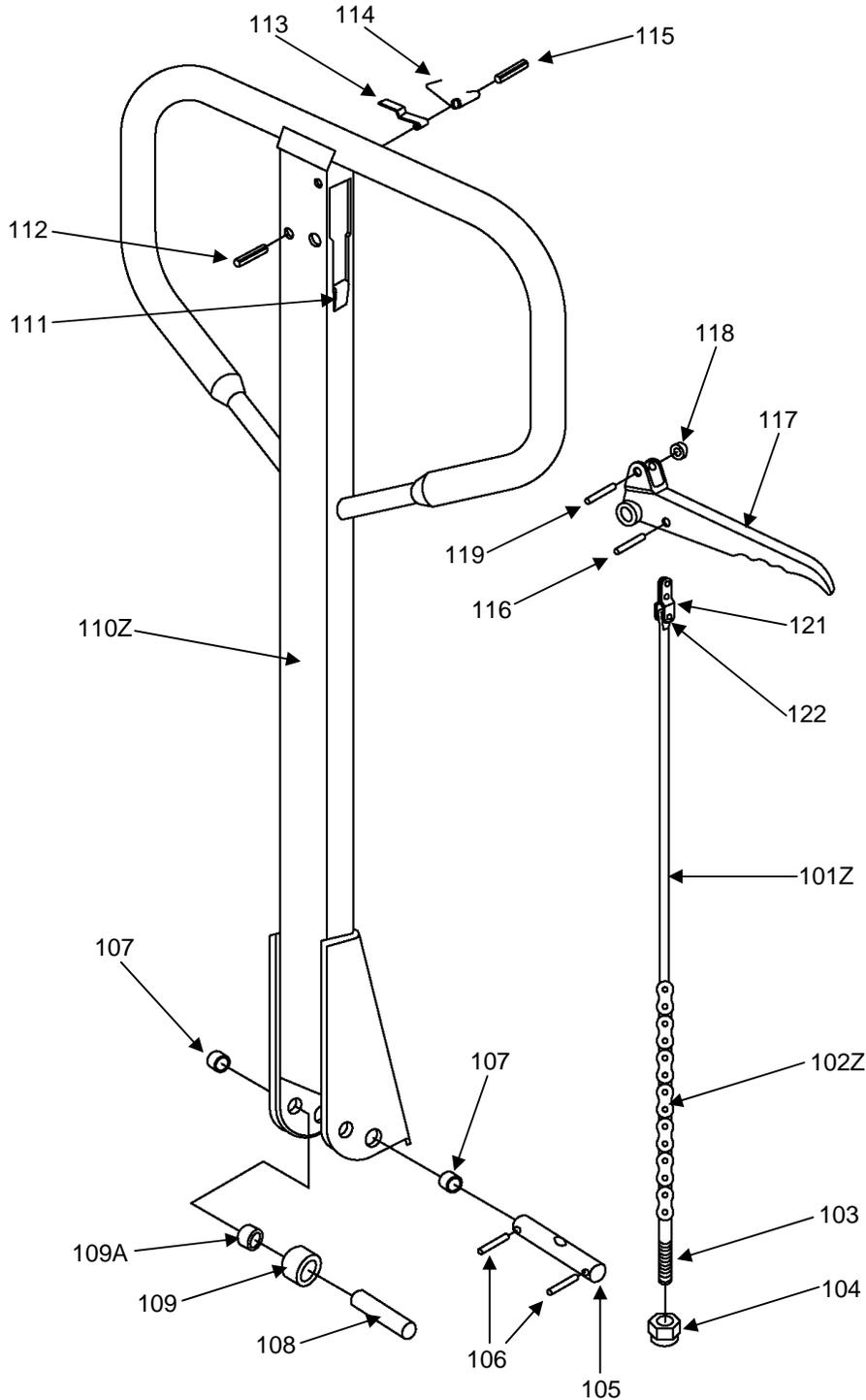
7.2 PARTS DIAGRAM

Item	WESCO Replacement P/N	Description	Material	Qty.
1	273792	Bolt	Zinc Plated	2
2	273794	Pump Base Bearing	Zinc Plated	1
3	273795	Retaining Ring	Zinc Plated	1
4	273784	Steering Wheel	Nylon	2
5	273796	Wheel Bearing	Zinc Plated	1
6	273786	Load Wheel	Nylon	1
7	273793	Nut	Zinc Plated	1
8	273799	Spring Pin	Zinc Plated	2
9	273779	Handle Connecting Shaft	Zinc Plated	1
10	273778	Ball	Zinc Plated	1
11	273797	Complete Pump Assembly	Galvanized	1
12	273798	Complete Handle Assembly	Galvanized	1

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8. DRAW-BAR INFORMATION (FOR UNITS PURCHASED BEFORE 2017)

8.1 DRAW-BAR PARTS DIAGRAM



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8. DRAW-BAR INFORMATION (FOR UNITS PURCHASED BEFORE 2017)

8.2 DRAW-BAR PARTS LIST

WESCO Replacement P/N	No.	Description	Qty.
273689	101Z	Release Rod	1
273690	102Z	Chain	1
273691	103	Adjusting Bolt	1
273692	104	Adjusting Nut	1
	105	Axle with Hole	1
	106	Elastic Pin	2
	107	Bushing	2
	108	Roller Pin	1
	109	Pressure Roller	1
	109A	Bushing	1
	110Z	Draw-Bar	1
	111	Stop Rubber	1
	112	Elastic Pin	1
273695	113	Blade Spring	1
273696	114	Spring	1
	115	Elastic Pin	1
	116	Elastic Pin	1
273697	117	Control Handle	1
273698	118	Roller	1
	119	Elastic Pin	1
	120		
273693	121	Pull Board	1
273694	122	Pin	1
273689		Handle Release Kit (Includes items 102Z, 103, 104, 121 & 122)	1

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9. FORK FRAME INFORMATION (FOR UNITS PURCHASED BEFORE 2017)

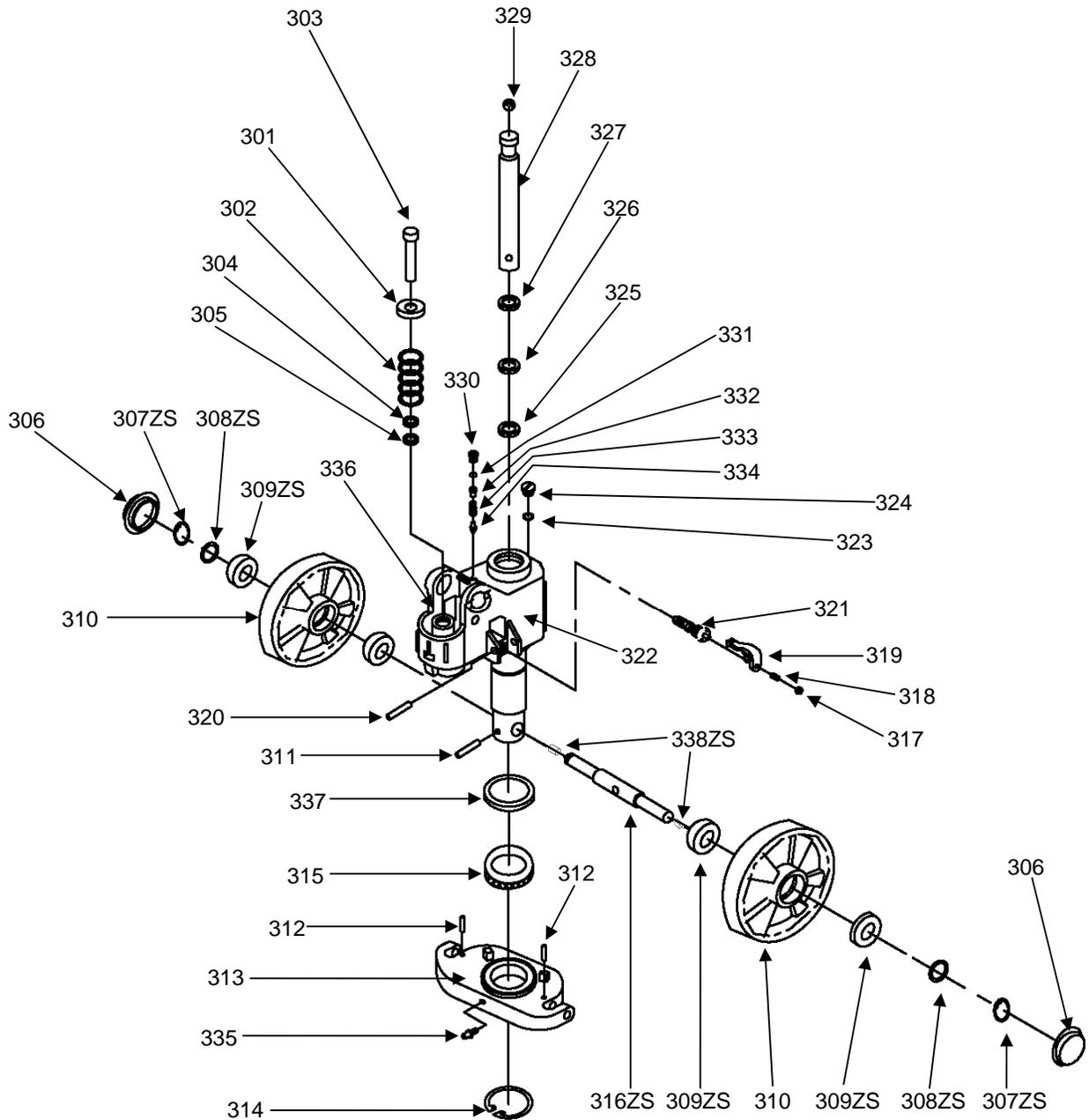
9.2 FORK FRAME PARTS LIST

WESCO Replacement P/N	No.	Description	Qty.
	201Z	Fork Frame	1
	202Z	Elastic Pin	1
	203Z	Rock - Arm	1
	204	Bushing	2
	205	Shaft	2
	206	Bushing	2
	207	Bushing	2
	208ZS	Retaining Ring	2
	209Z	Joint	2
	210ZS	Pin	2
	211ZS	Nut	2
	212Z	Pushing Rod	2
	213	Retaining Ring	2
	214Z	Shaft	1
	215	Bushing	4
	216ZS	Shaft	2
	217ZS	Intermediate Roller	4
	218	Extending Roller	2
	219ZS	Elastic Pin	2
	220ZS	Elastic Pin	4
	221ZS	Shaft	2
	222Z	Frame of Roller	2
273682	225ZS	Washer	4
273681	226ZS	Bearing	4
273683	230ZS	Elastic Pin	2
	231ZS	Bolt	2
272327	232	Enter Roller	2
	233ZS	Locking Nut	2
273680	234Z	Loading Roller	2
273684	235ZS	Shaft for Roller	2
	236	Washer	2
	237	Grease Cup	1
	238G	Grease Cup	8
	239G	Bushing	4
	240G	Grease Cup	2

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10. HYDRAULIC SYSTEM INFORMATION (FOR UNITS PURCHASED BEFORE 2017)

10.1 HYDRAULIC SYSTEM DIAGRAM





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10. HYDRAULIC SYSTEM INFORMATION (FOR UNITS PURCHASED BEFORE 2017)

10.2 HYDRAULIC SYSTEM PARTS LIST

WESCO Replacement P/N	No.	Description	Qty.
	301	Spring Cap	1
	302	Spring	1
	303	Pump Piston	1
	304	Dust Ring	1
	305	Seal	1
	306	Dust Cover	2
273688	307ZS	Locking Ring	2
273687	308ZS	Washer	2
273686	309ZS	Bearing	4
273685	310	Steering Wheel	2
	311	Elastic Pin	1
	312	Elastic Pin	2
	313	Thrust Plate	1
	314	Retaining Ring	1
	315	Bearing	1
273689	316ZS	Shaft of Loading Wheel	1
	317	Nut	1
	318	Screw	1
	319	Lever Plate	1
	320	Elastic Pin	1
	321	Valve Cartridge	1
	322	Pump Body	1
	323	Seal Washer	1
	324	Screw Plug	1
	325	Seal	1
	326	O - Ring	1
	327	Dust Ring	1
	328	Piston Rod	1
270059	329	Steel Ball	1
	330	Screw Plug	1
	331	O - Ring	1
	332	Bolt	1
	333	Spring	1
	334	Spindle of Safety Valve	1
	335	Grease Cup	1
	336	Cylinder	1
	337	Cover of Bearing	1
	338ZS	Grease Cup	2
272133		Replacement Pump	1