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30 TON LOG SPLITTER



Instruction & Assembly

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

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GENERAL WARNINGS

READ and UNDERSTAND this manual completely before using 30 Ton Log Splitter.

Operator must read and understand all safety and warning information, operating instructions, maintenance and storage instructions before operating this equipment. Failure to properly operate and maintain the log splitter could result in serious injury to the operator or bystanders.

Operation Warnings

- Do not carry passengers, sit or stand on the log splitter at any time.
- Do not allow children to play on, stand upon or climb on the log splitter.
- Always inspect the log splitter before using to assure it is in good working condition.
- Replace or repair damaged or worn parts immediately.
- Always check and tighten hardware and assembled parts before operation.
- Do not exceed equipment maximum load capacity of 30 tons.
- Avoid large holes and ditches when towing the equipment.
- Always operate the log splitter on clear and level ground.
- Do not operate the log splitter at night, only during daylight hours.
- Always slow down when towing over rough terrain, streams, ditches and hillsides.
- To avoid personal injury and/or equipment damage **DO NOT EXCEED 45 MPH.**
- Always refer to the vehicle owner's manual for proper towing.
- Always secure and lock the log splitter to the vehicle hitch before towing.

Crush and Cut Hazards

- Always keep hands and feet clear from moving parts while operating the equipment.
- Always clear and keep work area clean and free of debris when operating.
- Always wear safety gear, eye protection, gloves and work boots when operating the log splitter.

The warnings, cautions, and instructions outlined in this instruction manual cannot cover all possible conditions or situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product and must be supplied by the operator.

PROP 65 WARNING

This product can expose you to chemicals including lead and lead compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.p65warnings.ca.gov

Assembly Is Required

This product requires assembly before use. See "Assembly" section for instructions. Because of the weight and/or size of the log splitter, it is recommended that another adult be present to assist with the assembly. **INSPECT ALL COMPONENTS** closely upon receipt to make sure no components are missing or damaged.

Hazard Signal Word Definitions

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
WARNING	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
	CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
	CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

ABOUT YOUR 30 TON LOG SPLITTER

This hydraulic log splitter has a heavy-duty steel construction and 30 tons of ram force. When there's work to be done, you need outdoor power equipment you can rely on, this log splitter will get the job done fast. It is designed to work in both horizontal and vertical position. It is easy to tow, easy to use and maintain. Never exceed the rated capacity of 30 tons when operating the log splitter.

Technical specifications on the log splitter are provided in the "Specifications" section of this manual.

Controls and Features Identification

Read this owner's manual before operating the equipment. Familiarize yourself with the location and function of the controls and features. Save this manual for future reference.



- 1. Beam
- 2. Hydraulic Cylinder 4" bore and 22.6" stroke
- 3. Control Valve Lever Controls the forward and backward movement of splitting wedge.
- 4. 8" Wedge Features wedge wings and tapered ends making splitting easier.
- 5. Short Log Catcher
- 6. Log Catcher
- 7. Engine Air cooled engine powers the hydraulic pump
- 8. Fenders
- 9. Tires Maximum rated towing speed is 45 MPH
- 10. Tow Bar Move with ATV & Lawn/Garden Tractor
- 11. Support Leg Supports the log splitter while operating.
- 12. Safety Chains Safety feature to prevent loss of log splitter while towing.
- 13. 2" Coupler Attaches the log splitter to the 2" ball.

Read and follow all instructions for assembly and operation. Failure to properly assemble this equipment could result in serious injury to the user or bystanders, or cause equipment damage.



Engine Shipped Without Oil.

Before starting engine, fill with SAE 10W-30 motor oil. See engine manual for engine oil capacity.

Hydraulic Reservoir is Shipped Without Oil.

When adding oil verify the oil level reads 1 from the top of hydraulic reservoir if marking is not shown fill to the neck.

Inspect all Log Splitter Components.

If you have damaged components: Contact the freight company that delivered the log splitter and file a claim.

30 TON LOG SPLITTER ASSEMBLY

Set the shipping crate on a solid flat surface and carefully remove the lid. Use two people and take all parts out of the shipping crate and inspect the components to ensure there are no missing pieces before starting to assemble the log splitter follow steps 1 through 11.

Tools required

- Rubber or Wooden Hammer
- Wrenches
- Large Adjustable Wrench
- Phillips or Standard Screwdriver
- Pliers

Component Parts

Part	Part Qty.	Hardware Needed	Hardware Qty.	Tool Needed
Fenders	2	Bolt M10x25、Nut M10、 Lock Washer Ø10、Flat Washer Ø10	4	1x16mm wrenchor socket
		Castle Nut	2	1x30mm open-end wrench
Wheels	2	Cotter Pin Ø4 × 32	2	Needle nose pliers
		Axle Cap	2	Mallet
Tow Bar	1	Bolt M12x80、Lock Nut M12、 Flat Washer Ø12	2	1x18mm or 19mm wrench
Beam	1	Hitch Pin	1	
Deam	1	R-Pin	1	
Engine	1	Bolt M8x40、Lock Nut M8、 Flat Washer Ø8	4	1x13mm or 14mm wrench
Suction Hose	1	Spring Loaded Hose Clamp	2	ClampTool
High Pressure Hose	1	"O" Ring Ø10x 2.65	1	1x27mm open-end wrench
Oil Return Hose	1		1	1x27mm open-end wrench
Short Log Catcher	1	Bolt M10x30、Nut M10、 Lock Washer Ø10、Flat Washer Ø10	2	1x6mm allen wrench、1x 17mm wrench
Log Catchers	2	Bolt M10x20、Lock Washer Ø10、 Flat Washer Ø10	4	1x 16mm wrenchor socket

Accessories

– Engine Oil

Hydraulic Oil

– Oil Funnel

STEP 1: Install the Filter

1. Screw the through joint (45#) on the auto filter base (46#) into the corresponding port of the oil tank(43#). Tighten until the tapered interface of the 135° JIC connector (54#) faces upward. The tightening torque should exceed $60 \text{ N} \cdot \text{m}$ (a tolerance of $\pm 5^{\circ}$ is allowed).



STEP 2: Install the Base Tube

- 1. Remove the two sets of bolts M12×80 (34#), washers Ø12 (3#), and lock nuts M12 (2#) from the oil tank (43#), and set them aside.
- 2. Raise the oil tank (43#) using wooden blocks approximately 8.8" high, ensuring that the axle center is at a similar height to the radius of the wheels. Insert one end of the base tube (55#) into the connection base of the oil tank (43#), then secure it using the two sets of bolts M12×80 (34#), flat washers Ø12 (3#), and lock nuts M12 (2#). Tighten securely.
- 3. Rotate the front support leg (60#) to a vertical position and lock it in place using the lock pin (83#). Ensure that the base tube (55#) is approximately level with the ground.



STEP 3: Install the Wheels

- 1. Remove the cotter pin (42#) from the axle of the oil tank(43#), and unscrew the slotted nut M20×1.5 (38#). Set them aside.
- 2. Mount the wheels (40#) onto the left and right axles, ensuring that the tire valves face outward. Screw the slotted nut M20×1.5 (38#) onto both axles. Tighten the nuts to ensure the wheels (40#) rotate smoothly without lateral wobbling. Insert the cotter pin (42#) into the axle and bend it to secure.
- 3. Attach the axle caps (37#) onto both wheels (40#).



STEP 4: Install the Framework Beam

1. Stand the beam (1#) upright, paying attention to the protective coating at the base. Align the holes near the oil tank (43#) connection base as shown, insert the pin (29#), and secure it with the R-pin (17#).



STEP 5: Install the Engine Assembly

- 1. Adjust the beam (1#) to a horizontal position. Check whether the lock pin (85#) automatically aligns and inserts smoothly into the corresponding hole on the base tube (55#). Ensure smooth operation of the lock pin(85#).
- 2. Place the engine (64#) and gear pump (81#) assembly onto the engine mounting plate of the oil tank(43#) as shown. Secure it with four sets of bolts M8 × 40 (68#), washers Ø8 (67#), and lock nuts M8 (56#).



STEP 6: Install the Hose Assembly

- 1. Attach clamps 30 (51#) to both ends of the oil pipe (50#). Insert one end of the oil pipe (50#) fully into the suction port of the gear pump (81#) and the other end into the port of the internal oil filter (53#) on the oil tank(43#). Secure the clamps (51#) into the circular groove on both interfaces.
- 2. Place the O−ring 10×2.65 (52#) into the groove of the pump outlet connector (12#). Screw the nut of the hydraulic hose assembly (19#) A−end into the pump outlet connector (12#) A−end, and tighten with a torque of 50 60 N · m.
- 3. Screw the B-end nut of the 74° return hydraulic hose (49#) into the B-end of the 135° JIC connector(54#), and tighten with a torque of 70 80 N · m.



STEP 7: Install the Log Catcher

1. Use four sets of bolts M10×20 (20#), lock washers Ø10 (21#), and washers Ø10 (22#) to secure the log catcher bracket (23#) to the right side of the beam (1#).

2. Use two sets of bolt M10×30 (24#), lock washers Ø10 (21#), washers Ø10 (22#), and nuts M10 (26#) to secure the short log catcher (25#) to the left side of the beam (1#) as shown. After tightening, ensure the short log catcher (25#) is level with the ground.



STEP 8: Install the Fenders

1. Use two sets of bolts M10×25 (36#), washers Ø10 (22#), lock washers Ø10 (21#), and nuts M10 (26#) to secure the left fender (35#) and the right fender (27#) to both sides of the oil tank(43#) as shown.



STEP 9: Add Engine Oil

- 1. Make sure the log splitter is on a level surface.
- 2. Remove oil fill cap/dipstick to add oil.
- 3. Refer to the separate owner's engine manual for the amount needed of SAE10W-30 engine oil; replace oil fill cap/dipstick.
- 4. Check engine oil level daily and add as needed.

NOTE: During the break-in period check the engine oil level often.

DO NOT attempt to crank or start the engine before it has been properly filled with the recommended type and amount of oil. Damage to the log splitter as a result of failure to follow these instructions will void your warranty.

STEP 10: Add Hydraulic Oil

- 1. The log splitter needs to be cold on a flat level surface before adding the hydraulic oil.
- 2. Remove the oil cap from the hydraulic reservoir.
- 3. Add approximately 4.5 gallons of hydraulic oil, AW32, AW46 & universal hydraulic oil are all acceptable types of fluid. Automatic transmission fluid should be used when operating in temperatures below 90°F /32°C (all units are tested and have excess oil in the ram).
- 4. Check the hydraulic oil level.
- 5. Start engine and use the control lever to extend and retract wedge several times to remove air from the lines.
- 6. With the wedge retracted, check hydraulic oil level again and fill if necessary.
- 7. Do not thread in the dipstick when checking the hydraulic oil level. Check the hydraulic oil level using the oil sight glass. Oil level should visibly ffll the sight glass.
- 8. Check oil level daily and add as needed.

DO NOT remove the hydraulic oil fill cap when the engine is running or hot. Hot oil can escape causing severe burns. Always allow the log splitter to cool completely before removing the hydraulic oil cap. High fluid pressure and temperatures are created in the hydraulic log splitters. Hydraulic fluid will escape through a pin-size hole opening and can puncture skin and cause severe blood poisoning.

Inspect hydraulic system regularly for possible leaks. Never check for leaks with your hand while the system is pressurized. Seek medical attention immediately if injured by escaping fluid.

Make sure all fittings are tight and secure before applying pressure. Relieve system pressure before servicing.

Make sure the hydraulic hoses do not touch any hot surfaces or cutting areas.

Hoses need to be positioned were they are clear from the engine and cutting wedge. To avoid serious bodily injury always inspect the hoses before operating the log splitter.

STEP 11: Add Gasoline to the Engine

- 1. Use only clean, fresh, regular unleaded fuel with a minimum 87 octane rating.
- 2. DO NOT mix oil with fuel.
- 3. Remove the fuel cap, and slowly add fuel to the tank. DO NOT overfill, allow approximately ¼ inch of space for fuel expansion.

4. Screw on the fuel cap and wipe away any spilled fuel.

Log splitter engine exhaust contains carbon monoxide, a colorless, odorless, poison gas. Breathing carbon monoxide will cause nausea, dizziness, fainting or death. If you start to feel dizzy or weak, get to fresh air immediately.

Operate log splitter outdoors only in a well-ventilated area.

DO NOT operate the log splitter inside any building, enclosure or compartment.

DO NOT allow exhaust fumes to enter a confined area through windows, doors, vents or other openings.

DANGER CARBON MONOXIDE, using a log splitter indoors CAN KILL YOU IN MINUTES.

Fuel and fuel vapors are highly flammable and extremely explosive.

Fire or explosion can cause severe burns or death.

Unintentional startup can result in entanglement, traumatic amputation or laceration.

Only use regular unleaded gasoline with a minimum 87 octane rating.

DO NOT mix oil and gasoline together.

Fill tank approximately $\frac{1}{4}$ " below the top of the tank to allow for fuel expansion.

DO NOT fill fuel tank indoors or when the engine is running or hot.

DO NOT light cigarettes or smoke when filling the fuel tank.

Operation Instructions

Before operating or using the log splitter, review the instructions below and all safety information. Failure to follow these instructions may result in property damage or injury to the operator or bystanders.

ALWAYS use the log splitter for its intended use.

ONLY use the log splitter to split wood logs, length wise with the grain.

NEVER modify, alter or change the log splitter in anyway, modifications will void the warranty.

NEVER attach a rope, cable or other device to the control lever on the log splitter.

ONLY operate the log splitter in daylight.

NEVER leave the log splitter unattended while the engine is running.

DO NOT change the splitting position with the engine running. Contact with the muffler can cause serious burns.

ALWAYS make sure he beam is in the locked position.

DO NOT let the beam drop as it could crush fingers or cause damage to the log splitter.

NEVER operate or let anyone else operate, the log splitter while under the influence of alcohol, drugs, or medication.

USING YOUR LOG SPLITTER

1.DO NOT carry passengers, sit or stand on the log splitter at any time.

2. Check the hydraulic oil level and visually inspect all hoses and attachments for problems.

3.Inspect the engine and make sure the engine oil level is correct.

4.Before towing the log splitter the tires need to be fully inflated.

TIRE WARNING

DO NOT over inflate tires. Serious injury can result if tires explode. DO NOT tow the log splitter if the tires are worn or will not hold air. DO NOT exceed the maximum 45 MPH towing speed.

5. Refer to the vehicle owner's manual for proper safety and towing instructions.

TOWING WARNING

Serious injury or death can occur if towing safety rules are not followed. Always use chains, secure and lock the log splitter to the vehicle hitch before moving. Drive safely. Be aware of the added length of the log splitter. Never exceed the maximum travel speed of 45mph. Never ride or transport cargo on the log splitter. Turn off the vehicle before leaving the log splitter unattended. Block the log splitter wheels to prevent unintended movement.

6. The log splitter must have at least seven feet of clearance from combustible material. It needs to be on a dry and level surface with good footing. Do not work on mud, ice, brush or snow. When using the log splitter the work zone must be maintained at all times.



NOTE: Serious accidents can happen when other people are allowed inside the work zone. Keep everyone else outside the work zone while operating the control lever.

- 7. Always wear safety gear, eye protection, gloves and work boots when operating the log splitter.
- 8. Start the engine and make sure the log splitter is on level ground before operating.

NOTE: The hydraulic oil needs to be above 10 \degree F (-12C \degree) before starting the engine. Cold hydraulic oil can damage the hydraulic pump. If outdoor air temperature is below 32 \degree F (0C \degree) allow the log splitter to warm up by extending and returning the wedge several times before splitting wood.

- 9. Put both support legs in the down position to prevent the log splitter from moving during operation and block both tires.
- 10. Set the log splitter in horizontal position.

NOTE: HORIZONTAL position is used for lighter logs that can easily be loaded onto the beam. Back injury can result from lifting logs onto the log splitter ifproper lifting techniques are not used.

11. Load a log onto the beam against the endplate (Max Log Length–24")



12. Make sure hands are clear from the wedge and crush hazard areas.

CRUSH WARNING

Wedge can cut through skin and break bones. Keep both hands away from wedge and beam slide. Serious accidents can happen when other people are allowed inside the work zone. Keep everyone else out of the work zone while operating control lever.

DONOT wear loose clothing. It can get tangled in moving parts of log splitter.

Only use the log splitter in daylight so you can see what you are doing.

13. Push control lever FORWARD by one hand to split the log.

14. Push control lever BACKWARD by one hand to return wedge to its original position.



If a log gets stuck, embedded or will not split completely, push the control lever in the reverse direction and allow the splitter to strip the log from the wedge.

If the log still remains stuck, embedded or will not split, turn the machine off and use a sledge hammer and crow bar to remove the log.

ALWAYS keep hands clear of the log and wedge while it is retracting.

15. Always keep work zone clean and free of split wood and debris.

Maintenance and Storage

Improper maintenance and storage of the log splitter may void your warranty.

MAINTENANCE

- Before performing maintenance, the log splitter must be placed in maintenance mode. Turn off the engine and move the control lever forward and backwards to relieve the hydraulic pressure.
- After performing any maintenance, make sure all guards, shields and safety features are put back in place before operating the log splitter.
- Before operating make sure the tires have the **RECOMMENDED TIRE PRESSURE.**
- Regularly grease axle and wheel bearing area or when needed.
- After the wheel bearings have been greased make sure the axle nuts and pins are in place and secure.
- Periodically check all fasteners and hoses for tightness and leaks.
- Annually clean and lightly lubricate all moving parts or when needed.
- Use a glossy enamel spray paint to touch up scratched or worn painted metal surfaces.
- Never exceed load capacity rating of 30 tons it will damage the log splitter.

What	When	How
Hoses	Each Use	Inspect hoses for exposed wire mesh and leaks. Replace all worn or damaged hoses before starting the engine.
Hydraulic Fittings	Each Use	Inspect fittings for cracks and leaks. Replace all damaged fittings before starting the engine.
Nuts and Bolts	Each Use	Check for loose bolts, tighten before operating.
Beam	Each Use	Apply grease to beam surface.
Moving Parts	Each Use	Clear debris from log splitter.

Refer to the Engine Owner's Manual for engine maintenance.

IMPORTANT:

If a part needs replacement, only use parts that meet the manufacturer's specifications. Replacement parts that do not meet specifications may result in a safety hazard or poor operations.

STORAGE

- Before storing make sure the log splitter is clean and dry for years of trouble-free service.
- Lightly lubricate all log splitter surfaces and moving parts to prevent rust.
- Store indoors or protected area during severe weather and winter months.

Troubleshooting

Problem	Cause	Solution		
	No fuel.	Add fuel.		
ngine will not start. ngine will not start; ngine starts but runs roughly. ngine shuts down during operation. ngine cannot supply enough power or verheating. Vedge movement is slow or erratic. il leak from cylinder. Vedge will not extend or retract.	Faulty spark plug.	Replace spark plug.		
	Unit loaded during start up.	Remove load from unit.		
For the state of	Low oil level.	Fill crankcase to the proper level.		
Engine Will not start;	Low on level.	Place log splitter on a flat, level surface.		
Engine starts but runs reusebly	Choke in the wrong position.	Adjust choke.		
Engine starts but runs roughly.	Spark plug wire loose.	Attach wire to spark plug.		
	Out of fuel.	Fill fuel tank.		
Engine shuts down during operation.	Low oil level.	Fill crankcase to the proper level. Place log		
		splitter on a flat, level surface.		
Engine cannot supply enough power or	Insufficient ventilation.	Check for air restriction. Move to a well		
overheating.		ventilated area.		
We the state of th	Air in the hydraulic oil system.	Purge air by extending and retracting the wedge several times until motion is smooth.		
Wedge movement is slow or erratic.	Debris lodged in beam guides.	Clear debris from beam.		
	Low hydraulic oil.	Check oil level and add as needed.		
	Faulty cylinder rod seal.	Contact Customer Service.		
	Scored or bent cylinder rod.	Contact Customer Service.		
Oil leak from cylinder.	Loose hydraulic fitting.	Tighten hydraulic fitting.		
	Faulty combination washer seal on cylinder hydraulic fitting.	Contact Customer Service.		
	Faulty control valve.	Contact Customer Service.		
Wedge will not extend or retract.	Faulty hydraulic pump.	Contact Customer Service.		
	Low hydraulic oil.	Check oil level and add as needed.		
Excessive bouncing while towing.	Under-inflated tires.	Inflate tires to proper pressure. Refer to tire sidewall.		

Specifications

Ram Force 30Ton
CycleTime 11 Sec
(Note: Cycle time may vary given mechanical and environmental factors; the published cycle time is for
ideal conditions)
Wedge Size
Gear Pump 2-Stage
Hydraulic OilAW32, AW46 & Universal Hydraulic Oil
Amount of Hydraulic Fluid 4.5 Gallon
Max. Log Length 24"
Hydraulic Cylinder 4" x 22.6"
Max. Pressure······ 4000 PSI
Max. Flow
Wheel Size
Hitch Type······ 2"Ball Coupler
Max. Towing Speed 45 MPH
Manual Start Engine 223cc

NOTE: For Engine Details Refer to the Engine Owner's Manual.



No.	Part number	Description	Qty	No.	Part number	Description	Qty
1	PMJ25S-01-00	Beam	1	44	PMJ22G-19	Oil Plug	1
2	GB/T 889.1-2000	Lock Nut M12	5	45	PMJ22Q-23	Through Joint	1
3	GB/T 95-2002	Washer Ø12	8	46	PMJ25M-20-00	Auto Filter Base	1
4	PMJ25S-02-00	Wedge Slide	1	47	PMJ22G-52	Auto Filter	1
5	GB/T 5782-2000	Bolt M12x75(12.9)	1	48	PMJ20J-17	Filter Housing "OUT" Connection	1
6	GB/T 5783-2000	Bolt M8x30	4	49	PMJ25Y-22	Hydraulic Hose(Valve-Oil Tank)	1
7	PMJ25Y-23	JIC Connector, 90 Degree	1	50	PMJ25M-17	Oil Pipe	1
8	PMJ25M-12	Control Valve	1	51	PMJ25Y-38	Clamp d30	2
9	GB/T 818-2000	Bolt M8x12	2	52	GB/T 3452.1-92	"O" Ring Ø10x2.65	2
10	GB/T 859-1987	Washer Ø8	2	53	PMJ22Q-20A	Internal Oil Filter	1
11	PMJ22J-19	Plate	1	54	PMJ25Y-24	JIC Connector, 135 Degree	1
12	PMJ25M-16	Outlet Connector Of Pump	1	55	PMJ25S-03-00	Base Tube	1
13	PMJ25M-29	Right Angle Joiner	2	56	GB/T 889.1-2000	Lock Nut M8	4
14	PMJ22M-22	Valve Joiner	1	57	PMJ25Y-15	Pin	1
15	PMJ25M-28	Hydraulic Hose(Valve-Cylinder)	1	58	GB/T 889.1-2000	Lock Nut M10	1
16	PMJ25M-08-00	Cylinder	1	59	PMJ25M-18-00	Safety Chain With Hook	2
17	GJY12-3	R Pin	3	60	PMJ25S-07-00	Front Support Leg	1
18	PMJ25M-13	Wedge Pin	1	61	PMJ22G-40	2-in. Coupler	1
19	PMJ25M-15A	Hydraulic Hose(Valve-Pump)	1	62	G879.2-2000-6-40	Elastic Cylindrical Pin 6x40	2
20	GB/T 5783-2000	Bolt M10x20	4	63	G5782-2000-M10-85	Bolt M10x85	1
21	GB/T 93-1987	Lock Washer Ø10	10	64	RT224	Engine	1
22	GB/T 95-2002	Washer Ø10	14	65	GB/T 6170-2000	Nut M8	4
23	PMJ25S-36-00	Log Catcher	1	66	GB/T 93-1987	Lock Washer Ø8	8
24	GB/T 70.2-2000	Bolt M10x30	2	67	GB/T 95-2000	Washer Ø8	12
25	PMJ25S-31	Short Log Catcher	1	68	GB/T 5782-2000	Bolt M8x40	4
26	GB/T 6170-2000	Nut M10	6	69	GB/T 1096-1979	Flat Key 5x36	1
27	PMJ22G-35-00	Right Fender	1	70	PMJ22G-29	Engine Bushing	1
28	PMJ22G-18	Screw NPT 1 in.	1	71	PMJ22G-28	Engine Connector	1
29	PMJ25Y-19	Pin	1	72	PMJ22G-27	Gear Pump Stand	1
30	GB 1160.2-89	Oil Scale	1	73	ASME-B18.2.1-1996	Bolt 5/16 in24x1 in.	4
31	GB/T 5782-2000	Bolt M12x80	2	74	GB/T 818-2000	Cross Head Screw M4x10	4
32	GB/T 95-2000	Cotter Pin 3.2x14	1	75	GB/T 859-1987	Lock Washer Ø4	4
33	PMJ25Y-17	Spring	1	76	GB/T 848-1985	Washer Ø4	4
34	GB/T 5782-2000	Bolt M12x80	2	77	PMJ22G-32	Connector Cover	1
35	PMJ22G-34-00	Left Fender	1	78	GB/T 77-2000	Screw M6x10	1
36	GB/T 5783-2000	Bolt M10x25	4	79	PMJ22G-26	Gear Pump Connector	1
37	PMJ22J-05-02	Axle Cap	2	80	GB/T 1096-1979	Flat Key 3.18x25.4	1
38	GB/T 9459-1988	Slotted Nut M20x1.5	2	81	PMJ22J-14	Gear Pump	1
39	L44634 LYC DS	Tapered Bearing	4	82	GB 894.1-86	Circlip Ø63	1
40	PMJ22D-05-03	Wheel	2	83	PMJ25Y-16	Lock Pin	1
41	PMJ22J-05-01	Cased Seal	2	84	PMJ25Y-18	Spring	2
42	GB/T 91-2000	Cotter Pin Ø4x32	2	85	PMJ25Y-14	Lock Pin	1
43	PMJ20B-04-00	Oil Tank	1				