

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

Dayton® Stackers

Description

The Dayton Stackers 5RRY5, 5RRY6, 5RRY7, 5RRY8, 5RRY9, 5RRZ0, 5RRZ1, 5RRZ2, 5RRZ4, 5RRZ5, 5RRZ6, 5RRZ8, 5RRZ9, 5RTA0 and 5RTA1 are specially designed for conveyance on level roads. This design makes them easy to turn within racking, while loading and unloading, and for the horizontal transport of goods up to 1000lbs (5RRY7, 5RRZ8, 5RRZ9, 5RTA0 and 5RTA1) or 2200 lbs (5RRY5, 5RRY6, 5RRY8, 5RRY9, 5RRZ0, 5RRZ1, 5RRZ2, 5RRZ4, 5RRZ5 and 5RRZ6). This series is very flexible when used for order picking. The load capacity for each stacker is marked on the stacker data plate.

Unpacking and Inspection

Handle carefully. Check the packing list to account for all items. Visually inspect for shipping damage. If damaged, immediately file a claim with the carrier.

▲ CAUTION IF YOU ARE HAVING DIFFICULTY REMOVING THE STACKER FROM THE PALLET, A "LIFT KIT FOR UNPACKING" IS AVAILABLE. PLEASE REQUEST PART NUMBER "MH5RRY800G" BY CALLING 1-800 323 0620.

THIS KIT, WITH INSTRUCTIONS, WILL BE PROVIDED AT NO ADDITIONAL CHARGE. (only for 5RRY8, 5RRY9, 5RRZ0, 5RRZ1, 5RRZ2, 5RRZ4, 5RRZ5, 5RRZ6).

General Safety Information

READ AND FOLLOW SAFETY INSTRUCTIONS

▲ WARNING Read and understand these operating instructions before operating product.

NOTE: Keep this manual for future

reference.

Thank you for purchasing this electric stacker. For your safety and to ensure proper operation, carefully read this instruction book and the warnings on the stacker before using it.

These Operating Instructions are designed for you to thoroughly understand and master the safe operation of the stacker.

Specifications for multiple types of stackers may be described in these Operating Instructions. During operation and maintenance, please apply the relevant aspects for the type of stacker that you have purchased.

Safety specifications and special notices are marked with the following signs:

▲ WARNING Safety warnings must be observed to avoid serious personal injury or equipment damage.



Figure 1

▲ CAUTION Caution must be observed to avoid personal injury or equipment damage.

NOTE: or IMPORTANT: – General notices and specifications should be observed before use.

IMPORTANT: The information reported within this manual is based on data available at the time of printing. Products are constantly being developed and improved, therefore, we reserve the right to modify our products at any time without prior notice. As a result, it is always recommended to verify possible updates and changes.

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Dayton® Stackers

General Safety Information (Continued)

NOTE: The majority of this stacker consists of steel, which can be completely recycled. Waste material from repairs, maintenance, cleaning or scrapping, must be collected and disposed of in environmentally friendly ways and in accordance with local laws and ordinances. Recyclable material should be taken care of by qualified authorities. Environmentally hazardous waste, such as oil, oil filters, batteries, and electronics, will have a negative effect on the environment, or health, if disposed of improperly.

OPERATOR REQUIREMENTS

- Stacker must be operated by an authorized and trained person who can demonstrate its proper operation.

OBLIGATIONS AND RESPONSIBILITIES OF THE OPERATOR

- Operator must fully understand his obligations and have received training on the stacker's proper operation prior to use.
- Operator must master the information contained in these Operating Instructions.
- Operator should wear appropriate safety equipment during use, including safety boots.

FORBIDDEN USE BY UNAUTHORIZED PERSONS

- Operator must be responsible for the stacker and must prevent unauthorized persons from driving or operating the stacker.
- Lifting or carrying persons is strictly

prohibited.

FAILURE AND FAULT

In the event of equipment failure or fault, notify maintenance personnel immediately. In cases where the stacker's safety is compromised (e.g. worn-out wheel or brake fault), immediately discontinue using the stacker until it is properly repaired.

REPAIR

Only professionally trained and specifically authorized individuals are permitted to repair or modify any part of the stacker. Any changes to installed switches and safety devices by the operator are strictly prohibited.

IMPORTANT: All spare parts from the manufacturer are inspected by Quality Assurance Authorities. To ensure the safety and reliability of the stacker's operation, only manufacturer approved spare parts may be used. Replaced parts, including oils and fuels, must be disposed of in accordance with environmental protection regulations.

DANGER AREA

The "danger area" refers to the area where the stacker is working or lifting, causing a potentially dangerous situation for persons or property in that the area.

▲ WARNING *Unauthorized persons must keep away from the danger area. In situations with potential danger to others, the operator must give a warning notice. If the danger area isn't vacated as requested, the operator must stop using the stacker immediately.*

WORKING IN HAZARDOUS ENVIRONMENTS

A stacker operating in an area where there is a hazard risk, or in any other high-risk area, should be specially equipped for use in that environment.

▲ CAUTION *This stacker is not equipped for hazardous situations.*

SAFETY DEVICES AND WARNING SIGNS

Special attention should be given to safety devices, warning signs, and warning notices within these Operating Instructions and on the stacker itself.

DRIVING IN PUBLIC AREAS

The stacker should not be driven on public roads.

DISTANCE BETWEEN VEHICLES

Bear in mind that the material handling vehicle in front of you may brake suddenly; therefore, keep a reasonable distance when operating this stacker.

PASSENGERS

Passengers should not ride on the stacker unless it is indicated as permissible on the stacker.

CLEARANCE HEIGHT

The stacker cannot be used where the overhead clearance height is less than the height of the load or the mast.

USE IN ELEVATORS AND ON LOADING PLATFORMS

This stacker may only be driven into an elevator or loading platform if it has been authorized. The operator must confirm that the elevator or loading platform has adequate load capacity to support the weight of the operator, stacker, load and other contents of the elevator or loading platform before entering the elevator or loading platform. Cargo should be placed

Models 5RRY5 thru 5RRZ2, 5RRZ4 thru 5RRZ6, 5RRZ8 thru 5RTA1

properly inside the elevator to avoid touching the elevator walls.

General Safety Information (Continued)

Passengers must enter the elevator only after proper parking of the stacker, and should depart from the elevator before moving the stacker.

DRIVING LANES AND WORK AREAS

Only lanes and routes that are specially allocated for stacker traffic may be used. Unauthorized persons should stay away from work areas. Loads must only be stored in places specially provided for this purpose.

OPERATOR CONDUCT

Driving speeds must be applicable for conditions. Low speed is mandatory when turning, navigating narrow aisles, passing through doors, or driving with a blocked field of vision. The operator must be able to measure the braking distance to the front of the stacker by sight and control his stacker at all times. Sudden braking (except in emergency), quick U-turns, and passing other trucks in dangerous or blind spots is prohibited. Operator should stay within the operator's area during operation.

VISIBILITY

The operator must have clear visibility in the driving direction the stacker is traveling. If cargo obstructs your line of sight, operating in reverse is recommended. If operating in reverse isn't suitable, another person must walk ahead of the stacker to give guidance and warning.

NEGOTIATING SLOPES AND INCLINES

Operating on slopes is permitted only when they are recognized lanes, when they are clean and non-slip surfaces, and when the technical data of the stacker permits safe driving on such slopes or inclines. Cargo must face in an upward direction of slope. U-turns, cutting obliquely over slopes or inclines, and parking on slopes or inclines is prohibited. When operating on a slope, the stacker should be driven at slow speed and the operator must be prepared to brake and stop.

FLOOR LOAD

Carefully check maximum floor load capacities and ensure they are not exceeded.

TRANSPORTS

The stacker should always be driven with the forks to the lowest position except when placing or removing a load. The stacker should be driven in the opposite direction of the forks when possible. This will allow better visibility and maneuverability. Driving with the forks pointing forward may cause the stacker to turn unexpectedly.

LOAD CHARACTERISTICS

Only loads that have been safely and correctly secured may be carried. Never transport loads stacked higher than the top of the stacker.

STACKER ON ANOTHER VEHICLE'S LOADING PLATFORM OR ON A GANGWAY

Before the stacker is driven from a loading dock onto a platform or vehicle, always check the maximum load capacity of the gangway. Ensure that there are devices to prevent the

gangway from sliding. The driver must check the maximum load capacity of the vehicle that you intend to drive onto. There should be devices (e.g. wheel chocks) that prevent the vehicle from moving.

PARKING

The stacker should not be left unattended other than in specified parking areas. The stacker should always be parked on a level surface. If the stacker is equipped with a parking brake, it should be engaged. The forks should be lowered to their lowest position. Always turn the key switch to the "OFF" position. Unauthorized personnel should not use the stacker. Always remove the key when leaving the stacker.

NOTE: If the stacker will be left unused for a prolonged period without being recharged (e.g. between two shifts), the battery plug should be disconnected.

PROTECTIVE SHOES

Protective shoes should be worn when working with stacker according to EU standard EN-345:1-S1.

ADDITIONAL FEATURES / TRAILERS

An authorized representative should be contacted if, after delivery, the stacker needs to be equipped with additional features, tow hitch equipment for trailers, or other accessories which could influence the stability or braking capacity of the stacker.

Dayton® Stackers

Specifications

Model	Drive	Lift	Maximum Capacity/ Rated Load (Q)*	Load Center Distance (C)*
5RRY5	Manual	Battery	2200lbs	24"
5RRY6	Manual	Battery	2200	24
5RRY7	Manual	Battery	1000	13
5RRY8	Manual	Battery	2200	20
5RRY9	Manual	Battery	2200	20
5RRZ0	Manual	Battery	2200	20
5RRZ1	Manual	Battery	2200	20
5RRZ2	Manual	Battery	2200	20
5RRZ4	Manual	Battery	2200	24
5RRZ5	Manual	Battery	2200	24
5RRZ6	Manual	Battery	2200	24
5RRZ8	Manual	Battery	1000	13
5RRZ9	Manual	Battery	1000	16
5RTA0	Manual	Battery	1000	13
5RTA1	Manual	Battery	1000	16

(*) See Figure 2, 3 and 4.

Model	Weight (incl. battery)	Lifting Speed (laden/unladen)	Parking Brake	Lifting Motor Rating	Battery
5RRY5	750lbs	20/13sec.	Manual, Caster Lock	2.0hp	12V/150Ah
5RRY6	950	38/24	Manual, Caster Lock	2.0	12V/150Ah
5RRY7	600	13/7.0	Manual, Caster Lock	2.0	12V/150Ah
5RRY8	790	20/13	Manual, Caster Lock	2.0	12V/150Ah
5RRY9	980	38/24	Manual, Caster Lock	2.0	12V/150Ah
5RRZ0	1000	38/24	Manual, Caster Lock	2.0	12V/150Ah
5RRZ1	1060	45/28	Manual, Caster Lock	2.0	12V/150Ah
5RRZ2	1080	45/28	Manual, Caster Lock	2.0	12V/150Ah
5RRZ4	810	20/13	Manual, Caster Lock	2.0	12V/150Ah
5RRZ5	1020	38/24	Manual, Caster Lock	2.0	12V/150Ah
5RRZ6	1090	45/28	Manual, Caster Lock	2.0	12V/150Ah
5RRZ8	500	14/7.4	Manual, Caster Lock	2.0	12V/150Ah
5RRZ9	530	14/7.4	Manual, Caster Lock	2.0	12V/150Ah
5RTA0	520	16.4/8.7	Manual, Caster Lock	2.0	12V/150Ah
5RTA1	550	16.4/8.7	Manual, Caster Lock	2.0	12V/150Ah

Models 5RRY5 thru 5RRZ2, 5RRZ4 thru 5RRZ6, 5RRZ8 thru 5RTA1

Specifications (Continued)

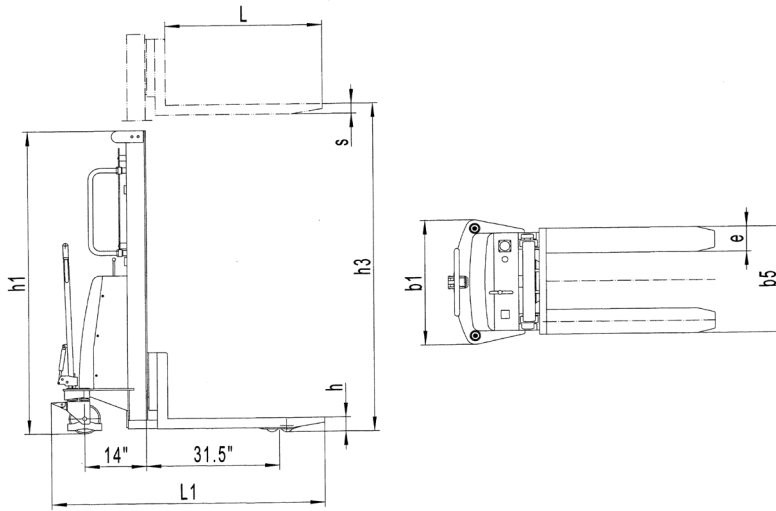


Figure 2 – Stacker Dimensions (for 5RRY5 & 5RRY6)

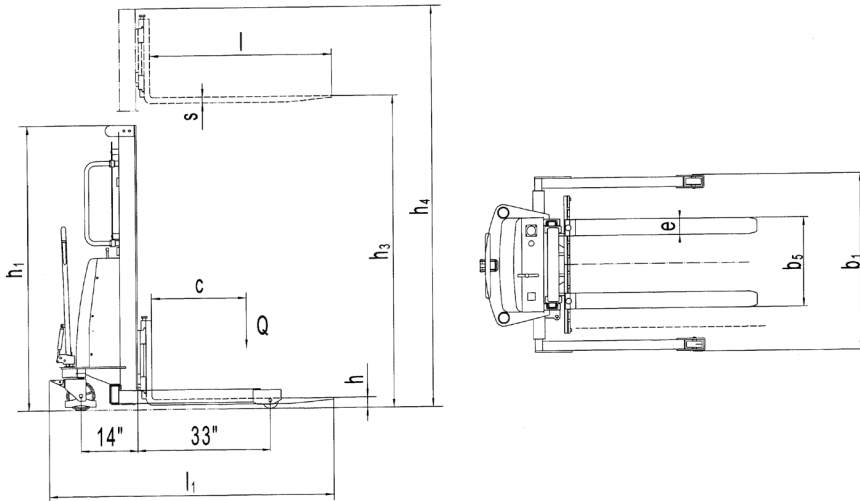


Figure 3 – Stacker Dimensions (for 5RRY7, 5RRY8, 5RRY9, 5RRZ0, 5RRZ1, 5RRZ2, 5RRZ4, 5RRZ5 and 5RRZ6)

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Dayton® Stackers

Specifications (Continued)

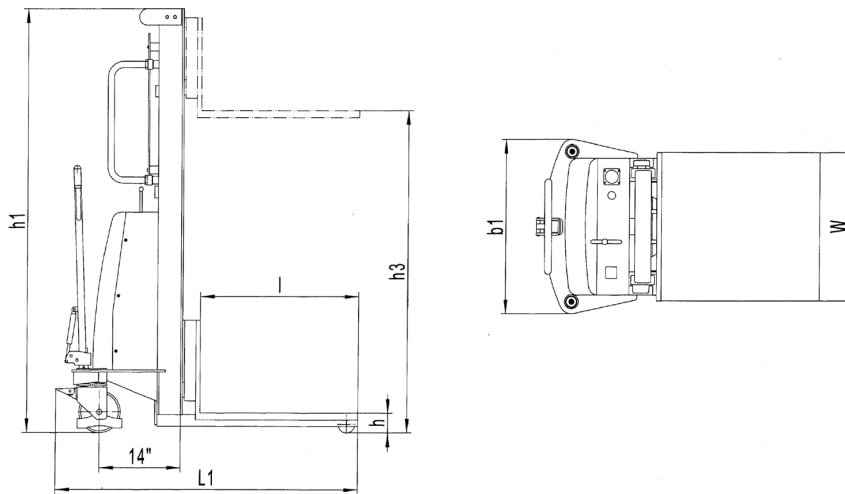


Figure 4 – Stacker Dimensions (for 5RRZ8, 5RRZ9, 5RTA0 and 5RTA1)

Description	Fig. 2 Reference		
	5RRY5	5RRY6	
Mast height (lowered)	h1	79"	80"
Lifting height, Max.	h3	63"	118"
Lifting height, Min.	h	3 3/8"	
Overall length	l1	64 1/4"	
Overall Width	b1	30 1/2"	
Fork Size-Length	l	43"	
Fork Size-Width	e	6.3"	
Width overall forks	b5	27"	
Base Legs Inside Dim.		16"	
Base Legs Outside Dim.		25 3/8"	
Turning radius	Wa	54"	

Table 1 – Stacker Specific Dimensions (for 5RRY5 and 5RRY6)

Models 5RRY5 thru 5RRZ2, 5RRZ4 thru 5RRZ6, 5RRZ8 thru 5RTA1

Specifications (Continued)

Description	Fig. 3 Reference	5RRY7	5RRY8	5RRY9	5RRZ0	5RRZ1	5RRZ2	5RRZ4	5RRZ5	5RRZ6	
	h1	79"	79"	80"	80"	89.5"	89.5"	80"	80"	89.5"	
Lifting height, Max.	h3	63"	63"	118"	118"	137"	137"	63"	118"	137"	
Lifting height, Min.	h	1 1/2"	2"	2"	2"	2"	2"	2-1/8"	2-1/8"	2-1/8"	
Overall length	l1	49.5"	61"	61"	61"	61"	61"	66.5"	66.5"	66.5"	
Overall Width	b1	30.5"	48"	38"	48"	38"	48"	46—58"			
Fork Size-Length	l	25"	36"					42"			
Fork Size-Width	e	3"	4"					4"			
Width overall forks	b5	6.3—24.5"	8 3/8—25"								
Base Legs Inside Dim.		15"	38"	28"	38"	28"	38"	38—50"			
Base Legs Outside Dim.		21"	48"	38"	48"	38"	48"	46—58"			

Table 2 – Stacker Specific Dimensions (for 5RRY5 and 5RRY6) (for 5RRY7, 5RRY8, 5RRY9, 5RRZ0, 5RRZ1, 5RRZ2, 5RRZ4, 5RRZ5 and 5RRZ6)

Description	Fig. 4 Reference	5RRZ8	5RRZ9	5RTA0	5RTA1
Mast height (lowered)	h1	83"	83"	92"	92"
Lifting height, Max.	h3	68"	68"	80"	80"
Lifting height, Min.	h	5 3/4"			
Overall length	l1	49"	55"	49"	55"
Overall Width	b1	30 1/2"			
Platform Size-Length	l	24"	30"	24"	30"
Platform Size-Width	W	24"	32"	24"	32"
Base Legs Inside Dim.		15"	25 1/2"	15"	25 1/2"
Base Legs Outside Dim.		21"	32"	21"	32"
Turning radius	Wa	40"	46"	40"	46"

Table 3 – Stacker Specific Dimensions (for 5RRZ8, 5RRZ9, 5RTA0 and 5RTA1)

Dayton® Stackers

Specifications (Continued)

Description	5RRY5 5RRY6	5RRY7, 5RRY8, 5RRY8, 5RRZ0, 5RRZ1, 5RRZ2	5RRZ4, 5RRZ5, 5RRZ6, 5RRZ8, 5RRZ9, 5RTA0, 5RTA1
Tire material	Polyurethane wrapped steel		
Tire size (front dia.)	3"	4"	5"
Tire size (rear dia.)	7"		
Number of wheels	4 front wheels, 2 rear wheels	2 front wheels,,2 rear wheels	

Table 4 – Wheel Dimensions

Lifting Height (H)*	Capacity at 13" Center	Capacity at 16" Center
63"	1000lbs	700lbs

Table 5 – Lifting Heights for 5RRY7

Lifting Height (H)*	Capacity at 13" Center		Capacity at 15" Center	
	5RRZ8	5RTA0	5RRZ8	5RTA0
68"	1000 lbs.	1000lbs	800 lbs.	800lbs
80"	-	1000lbs	-.	700lbs

Lifting Height (H)*	Capacity at 13" Center		Capacity at 15" Center	
	5RRZ9	5RTA1	5RRZ9	5RTA1
68"	1000 lbs.	1000lbs	800 lbs.	800lbs
80"	-	1000lbs	-.	700lbs

Table 6 – Lifting Heights for 5RRZ8, 5RRZ9, 5RTA0 and 5RTA1

Lifting Height (H)*	Capacity at 24" Center	Capacity at 28" Center
63"	2200lbs	1600lbs
90"	2200	1600
100"	1800	1200
118"	1500	900

Table 7 – Lifting Heights for 5RRY5 and 5RRY6

Lifting Height (H)*	Capacity at 20" Center	Capacity at 24" Center
63"	2200lbs	1600lbs
110"	2200	1600
118"	1800	1200
137"	1500	900

Table 8 – Lifting Heights for 5RRY8, 5RRY9, 5RRZ0, 5RRZ1and 5RRZ2

Models 5RRY5 thru 5RRZ2, 5RRZ4 thru 5RRZ6, 5RRZ8 thru 5RTA1

Specifications (Continued)

Lifting Height (H)*	Capacity at 24" Center	Capacity at 28" Center
63"	2200lbs	1600lbs
110"	2200	1600
118"	1800	1200
137"	1500	900

Table 9 – Lifting Heights for 5RRZ4, 5RRZ5 and 5RRZ6

TECHNICAL DATA-STANDARD VERSION

Descriptions of technical data are only provided for standard stackers. Non-standard types, additional equipment, etc. could produce other values. The manufacturer reserves the right to make technical modifications and additions.

STANDARDS

Sustained noise levels: < 70dB (A); Refer to ISO4871 Standard.

NOTE: Continuous sound levels are averaged values according to standard regulations, taking into account the noise level when driving, lifting and idling. The noise level is measured at the ear.

ELECTROMAGNETIC COMPATIBILITY (EMC)

The manufacturer tests electromagnetic emissions, immunological interference, and electrostatic elimination in compliance with EN12895 and other standards.

CAUTION *No modifications to the electrical system may be made without written approval from the manufacturer.*

APPLICATION CONDITIONS

Ambient temperature operation range: 40°F (5°C) to 105°F (40°C).

CAUTION *During continuous operation of the stacker in conditions below 40°F (5°C), or in low temperature and high humidity, special protections should be taken to protect electronic gauges and circuitry.*

IMPORTANT: Read and understand all product data plates before use. In case of problems or to purchase spare parts, refer to the series number and part codes on data plates.

Transportation and Commissioning

STACKER CONVEYANCE

CAUTION The stacker 5RRY5, 5RRY6, 5RRY7, 5RRZ8, 5RRZ9, 5RTA0 and 5RTA1 are shipped with an extended slope pallet. The stacker can be transferred off the pallet using this slope. The stacker must be moved very slowly with extreme caution to avoid personal injury or equipment damage.

WARNING *The load capacity of any hoisting equipment used to lift the stacker should be adequate. (Carried weight = net weight of stacker + weight of battery; refer to data plate.)*

NOTE: Hoisting position is indicated on the chassis by the manufacturer.

Prior to conveyance:

- Place the stacker at a safe position.

- Attach to a point of strength on the crane using the hoisting position on the stacker.

WARNING *The point of strength of the crane must be attached to hoisting position to avoid slippage of the stacker. During hoisting, the hoisting equipment must be attached to the hoisting position without touching the stacker.*

COMMISSIONING

WARNING *Only battery power may be used to operate the stacker. AC power will damage the electric circuitry. Battery connecting cables should be less than 20 feet (6 meters) in length.*

For normal operation after delivery or transportation, the following procedures should be followed:

- Verify that the assembly of all stacker parts is complete and will satisfy the job requirements.
- If necessary, install the battery, taking care to avoid damage to the battery cable.
- Charge the battery immediately.
- If the consumer expects to apply a maintenance-free battery as a substitute, verify that the type of battery is compatible with the electronics of the stacker and charger. Get approval from the manufacturer if there is any doubt regarding compatibility.

Dayton® Stackers

Assembly

The stacker 5RRY5, 5RRY6, 5RRY7, 5RRZ8, 5RRZ9, 5RTA0 and 5RTA1 will not need assembly.

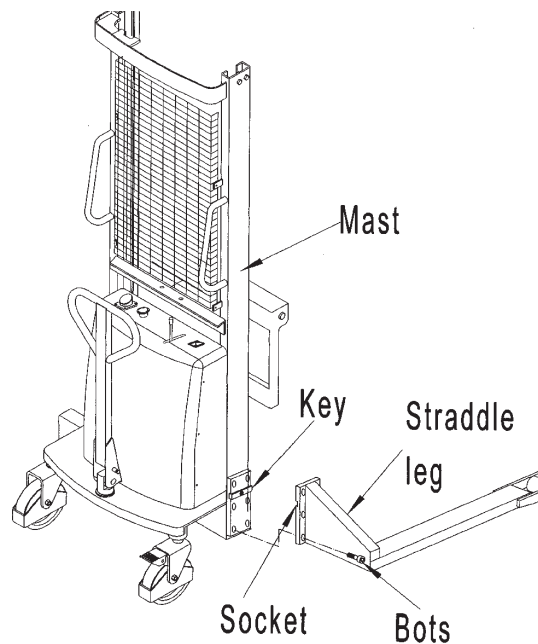
STRADDLE LEG ASSEMBLY INSTRUCTIONS (FOR 5RRY8, 5RRY9, 5RRZ0, 5RRZ1 AND 5RRZ2)

This stacker may require assembly. If so, carefully follow the assembly instructions taking care to heed all safety precautions. Some tools are required, including wrenches, a dead blow or other non-marring hammer, and a hoisting device such as a crane.

▲ WARNING *Do not remove the stacker from the pallet. The stacker should remain secured to the pallet until after assembly is completed. Failure to follow this instruction could cause serious injury. Stabilizing the stacker during assembly using a suitable crane or hoist is recommended.*

STRADDLE LEG ASSEMBLY

1. Hoist the straddle leg with crane.
2. Let the socket of the straddle leg into the key which on the mast.
3. Insert and tighten the bolts securely.
4. Assemble the other leg following the above steps.
5. Remove the stacker from the pallet using a crane or other suitable lifting device.



**Figure 5 - Straddle Leg Assembly
(for 5RRY8, 5RRY9, 5RRZ0, 5RRZ1 AND 5RRZ2)**

Models 5RRY5 thru 5RRZ2, 5RRZ4 thru 5RRZ6, 5RRZ8 thru 5RTA1

Assembly (Continued)

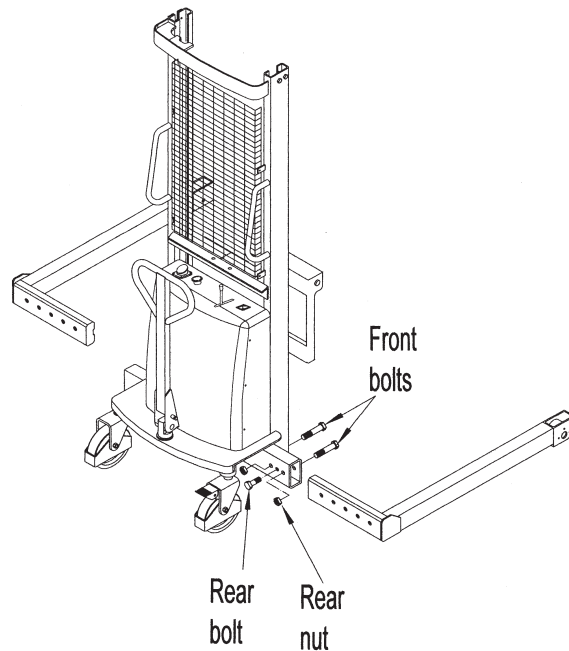
STRADDLE LEG ASSEMBLY INSTRUCTIONS (FOR 5RRZ4, 5RRZ5 AND 5RRZ6)

This stacker may require assembly. If so, carefully follow the assembly instructions taking care to heed all safety precautions. Some tools are required, including wrenches, a dead blow or other non-marring hammer, snap ring pliers, and a hoisting device such as a crane.

⚠ WARNING *Do not remove the stacker from the pallet. The stacker should remain secured to the pallet until after assembly is completed. Failure to follow this instruction could cause serious injury. Stabilizing the stacker during assembly using a suitable crane or hoist is recommended.*

STRADDLE LEG ASSEMBLY

1. Unscrew and remove the bolts and nuts on the front and rear of the stacker.
2. Slide the leg into the slot of the body to the desired position.
3. Insert and tighten the bolts and nuts on the front and rear securely.
4. Assemble the other leg following the above steps.
5. Remove the stacker from the pallet using a crane or other suitable lifting device.



**Figure 6 - Straddle Leg Assembly
(for 5RRZ4, 5RRZ5 AND 5RRZ6)**

Dayton® Stackers

Assembly (Continued)

FORK ASSEMBLY (FOR 5RRY8, 5RRY9, 5RRZ0, 5RRZ1, 5RRZ2, 5RRZ4, 5RRZ5 AND 5RRZ6)

1. Use snap ring pliers to remove the retaining ring and the fork carriage shaft from the carriage.
2. Place the forks so that the holes of the forks match up to the hole for the carriage shaft. You may need someone to help hold the forks in place.
3. Insert the shaft into the hole in the fork carriage, passing through the holes in the forks. Adjust the fork placement as necessary.
4. Use snap ring pliers to insert the retaining ring to lock the shaft in place.

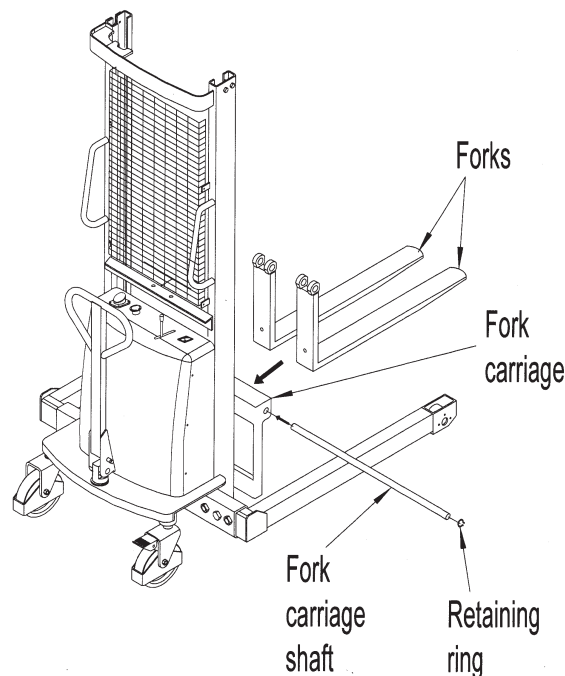


Figure 7 - Forks Assembly (FOR 5RRY8, 5RRY9, 5RRZ0, 5RRZ1, 5RRZ2, 5RRZ4, 5RRZ5 AND 5RRZ6)

Models 5RRY5 thru 5RRZ2, 5RRZ4 thru 5RRZ6, 5RRZ8 thru 5RTA1

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Operation

CONTROL PANEL

LIFT/LOWER LEVER

This level controls the pump motor to raise and lower the forks. Press forward to raise, pull back to lower the forks.

BATTERY VOLTAGE INDICATOR

When battery voltage is less than 10.2 V, discontinue use and recharge the battery.

ON/OFF SWITCH

Press key into the slot and turn clockwise to turn the power on.

EMERGENCY STOP SWITCH

When urgent situation, press the switch to turn the power off. Turn switch clockwise to turn on.

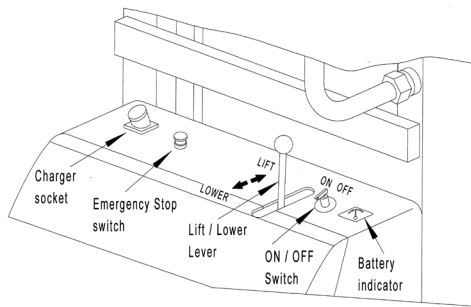


Figure 8 - Control Panel

STARTING THE STACKER

WARNING Confirm that no persons are in the danger area before starting and operating the stacker or lifting any cargo.

ROUTINE CHECKS BEFORE START UP

- Check for any external stacker defects

(especially wheels and pallets).

- Check that the battery is firmly fixed and cables are connected properly.

STACKER START UP

- Turn on the emergency stop switch.
- Insert key into electric lock switch and turn right to the "ON" position.
- Check the battery meter for adequate capacity.
- Disengage the parking brake to begin use.

STACKER OPERATION

CAUTION Caution must be used when driving the stacker. Riding of any kind is prohibited.

DRIVING ON A SLOPE

WARNING Operator should stand uphill of the load when traveling on a slope. Non-uniformly loaded cargo must be loaded in an upward direction of the slope. Make sure the area downhill from the stacker is clear should any slippage occur. Use extreme caution when operating on an incline or slope.



Figure 9 - Movement on a Slope

CARGO LOADING/UNLOADING

WARNING Before loading cargo, the operator must confirm that cargo is properly placed on the pallet and the weight of the cargo is within the rated load capacity of the stacker. Carrying full capacity loads for extended periods is prohibited.

- The forks should extend the full length of the bottom of the cargo.
- The Control Lever will lift and lower the load at an adjustable speed.

LIFTING OF FORKS

- Move the control lever until desired height is achieved. Pay attention to the overhead clearance.

LOWERING OF FORKS

- Move the control lever to lower the forks to the required height.

WARNING Forks should be as low as possible when driving with a load.

PARKING

IMPORTANT: Parking the stacker on a slope is strictly prohibited. Forks must be lowered to their lowest height when parking.

- Lower the forks to their lowest height.
- Depress the brake pedal.
- Turn off the Urgent Switch and Power Switch.

STRADDLE WIDTH ADJUSTMENT (FOR 5RRZ4, 5RRZ5 AND 5RRZ6)

1. Raise the carriage slightly.
2. Screw the holding bolt downward until it contacts the ground.

NOTE: Follow the hoisting instructions provided in the "Transportation and Commissioning" section of this manual.

3. Unscrew and remove the bolts and nuts on the front and rear of the stacker.
4. Move the straddle leg to the desired position.
5. Insert and tighten the bolts and nuts on the front and rear securely.

Dayton® Stackers

Operation(Continued)

6. Reposition the other leg following the above steps.
7. Remove the hoisting equipment.

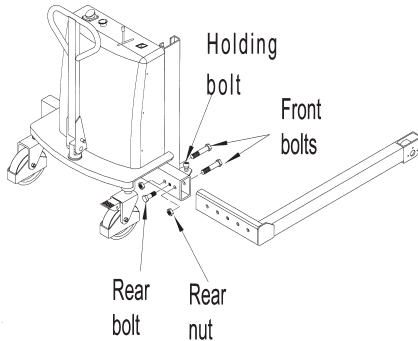


Figure 10 - Straddle Leg Adjustment

Maintaining, Charging and Replacing the Battery

SAFE OPERATION RULES FOR LEAD-ACID BATTERY

Before doing any maintenance on the battery, securely park the stacker in a safe location.

MAINTENANCE STAFF

Charging, repairing, and replacing batteries should only be performed by qualified professionals. Before operating, carefully read the instructions included in this manual regarding battery preparation and charge requirements.

▲ WARNING *The electrolyte in the battery is poisonous and corrosive. Battery maintenance should always be performed while wearing protective goggles and clothing to avoid bodily contact with the battery acid solution.*

▲ WARNING *If clothing, skin or eyes accidentally come into contact with the electrolyte in battery, liberally flush the affected parts with clean water and consult a doctor immediately. Any spilled*

electrolyte must be neutralized as soon as possible.

FIRE PROTECTION

Smoking and any other sources of ignition are strictly prohibited near the battery. The battery should be stored and charged at least 6 feet (2 meters) away from any flammable substance. Batteries should be stored in a well ventilated location with fire protection equipment.

MAINTENANCE OF BATTERY

1. Keep all screw caps on the battery cells dry and clean. Battery posts and cable terminals should be tightened and covered with clean dielectric grease. Terminal connections and battery posts should be covered with anti-slip insulated covers.
2. Cables connecting the cells should have good contact. Check nuts for loosening or slippage and tighten if necessary.
3. Keep the surface of the battery clean and dry. After each charge, wipe any acid stains with a cotton cloth, and rinse the surface clean.
4. Over-charging or rapid discharging of the battery should be avoided. Forcibly charging or discharging the battery will shorten its life.
5. To prevent a short circuit or explosion, conductive objects (including metal tools) should not be placed on the battery.
6. Harmful impurities (solid or liquid) cannot be allowed to enter the battery cells. When using a hydrometer to check electrolyte, its surface should be clean.
7. After battery is discharged, it should be recharged in a timely fashion.

Maximum charging intervals should not exceed 24 hours. On cold days, if the battery doesn't take a charge, move it indoors and allow it to warm to room temperature.

8. If the battery will not be used for a long period of time, it should be fully charged prior to storage, and a full charge should be reapplied monthly.
9. If fluid levels decrease, distilled water (not electrolyte) should be added. Levels should be even across cells.
10. If a cell malfunctions, the cause should be determined and the malfunctioning cell should immediately be repaired or replaced.
11. When charging batteries, ventilation equipment should be used to exhaust any potentially harmful or flammable gases.
12. The weight and dimension of the battery have a significant effect on the stability of the stacker. Any change of battery type should be approved by manufacturer.

▲ WARNING *There is a risk of hydrogen explosion in poorly ventilated conditions.*

BATTERY DISPOSAL

Scrap batteries must be disposed of in an environmentally-friendly way and in accordance with the regulatory authorities.

Models 5RRY5 thru 5RRZ2, 5RRZ4 thru 5RRZ6, 5RRZ8 thru 5RTA1

Maintaining, Charging and Replacing the Battery (Continued)

BATTERY REMOVAL AND INSTALLATION

▲ WARNING *Park the stacker on level ground. Cover electrodes with a rubber gasket to avoid a short circuit. When removing the battery, adjust the battery cables to keep them from impeding the battery's removal.*

▲ WARNING *When lifting the battery with a hoist, confirm that the hoist has adequate capacity (battery weight is shown on the stacker data plate). The hoist hook must be safe and reliable. The hoist hook must not contact the battery posts.*

- Engage the brake and turn off the Emergency Stop Switch.
- Disconnect the battery.
- Remove the battery using a hoist or crane.

NOTE: Installation procedure is the reverse of the above sequence.

▲ WARNING *After installing, check for damage on all cables and plugs. Battery posts must be covered by an insulating cap for protection. When connecting the battery, the stacker must be turned completely off to avoid arcing.*

▲ CAUTION *Use caution when covering the battery case. Avoid putting fingers between the cover and case. Before using the stacker, ensure the battery and cover are properly secured.*

BATTERY METER

The level of battery power is indicated on the battery meter. As the power is consumed, the needle will descend downwards from the right. A "Charge

Required" reading will appear when the battery is at 30% capacity, at which time the battery should be recharged. If the battery reaches 20%, the lifting function of the stacker will be automatically cut off and locked until the battery is recharged.

BATTERY CHARGING

▲ WARNING *Battery charging must comply with any instruction manuals provided by the battery and charger suppliers. These stackers are equipped with a charger that is specific to the battery supplied.*

▲ WARNING *Before connecting the charger to battery, make sure the charger and electric lock switch are in the off position. Charge the battery in a dry and air-circulated environment and keep away from fire sources. The battery should be charged regularly (once per month at a minimum).*

When the battery power is low, discontinue use and charge the battery immediately.

AUTOMATIC CHARGER

A fully automatic smart charger is included with the stacker. The charger indicator lights in red when the battery is charging. The charger will automatically adjust the current flow according to residual capacity of the battery, which ensures an optimum charge. When complete, the charger indicator lights green and the charger automatically stops. A full charging course generally lasts 7-12 hours.

IMPORTANT: Before charging, make sure no metal objects are on the battery. Check for any obvious faults on all cables and plugs. Safety instructions, including common rules and battery charging preparation procedures,

should be strictly observed. During charging, cock caps for each cell should be opened to maintain air circulation conditions.

Maintenance

SAFETY OPERATION AND ENVIRONMENTAL PROTECTION

The instructions in this section should be performed based on the time intervals specified in the Maintenance List.

▲ WARNING *No part of the stacker, especially safety devices, may be changed without the manufacturer's written permission. All spare parts from the manufacturer are qualified by Quality Assurance Authorities. To ensure safe and reliable stacker operation, only spare parts from the manufacturer should be used. Replaced parts, including oils and fuels, must be disposed according to environmental protection regulations.*

MAINTENANCE SAFETY RULES

MAINTENANCE STAFF

Repair and maintenance should only be performed by qualified professionals who have been trained by the manufacturer.

LIFTING THE STACKER

Hoisting equipment used to lift the stacker should be safe and reliable. When the stacker is lifted, necessary precautions should be taken to avoid slipping or overturning of the stacker (a wedge block or wood block can be applied). The stacker should be lifted only when the forks are fixed and adequately strong connecting cables are applied.

Dayton® Stackers

Maintenance (Continued)

CLEANING

Using flammable fluids to clean the stacker is strictly prohibited. Before cleaning, safety measures must be taken to avoid sparking (e.g. caused by short circuit). Battery work should only be performed after cutting off the power. Electric elements and electronic assemblies should only be cleaned using compressed air or a nonconductive, anti-static brush.

▲ WARNING *If the stacker is cleaned with a high pressure washer, all electric elements and electronic assemblies should be covered to avoid a functional fault. Cleaning with a steam nozzle is prohibited.*

ELECTRICAL SYSTEM

Work on the stacker's electrical system should only be performed by trained professionals. Protective measures should be taken to avoid electric shock. Before beginning work, separate the battery socket to cut off power to the stacker.

WELDING

To avoid damage of electric and electronic assemblies, assemblies should be removed from the stacker before welding.

INSTALLATION

After repairing or replacing hydraulic components, electric elements, and electronic assemblies, confirm that all components are at original positions before resuming use.

Maintenance (Continued)

WHEELS

Wheel quality greatly affects the stability and driving performance of the stacker. Any change of wheels should be approved by the manufacturer. During replacement of wheels, the stacker must be kept in an upright position. Wheels must be replaced in pairs, (e.g. both left and right).

LIFTING CHAINS AND ROLLERS

Without proper lubrication, lifting chains and rollers will wear out prematurely. Maintenance intervals outlined in this section are for normal operating conditions. In substandard operating conditions (high dust, extreme temperatures), more frequent lubrication will be necessary.

HYDRAULIC OIL

Check hydraulic oil levels at least every 6 months and replace every 12 months. Replace only with hydraulic oil: ISO VG32, with a viscosity of 32cSt at 100°F (40°C). Capacity is approximately 4 quarts. Hydraulic oil line should be replaced every six years. Hydraulic oil should be replaced at the same time.

DAILY MAINTENANCE (BEFORE EACH SHIFT)

1. Check the battery's acid levels daily. Note that the acid level will rise during recharging.
2. Check battery terminals and cables for proper fit.
3. Make sure the battery box is securely fastened in its holder.
4. Check for any oil leakage.
5. Check the functionality of the parking brake.
6. Check the frame and wheels for any signs of damage.

MAINTENANCE AND INSPECTION

Complete and professional maintenance is an important part of safe stacker operation. Neglecting maintenance will cause premature failure of the stacker and potential danger to persons and equipment.

NOTE: Maintenance cycles stated in the Instruction Manual refer to single shift operation under normal conditions. Under dusty conditions, extreme temperature variations, or when operating multiple shifts, maintenance cycles should be shortened.

Maintenance should be performed according to the following intervals under normal conditions:

W1 = every 50 working hours or at least once per week.

M3 = every 500 working hours or at least once every three months.

M6 = every 1000 working hours or at least once every six months.

M12 = every 2000 working hours or at least once per year.

For newly commissioned stackers, the following additional maintenance should be done:

After 50 hours to 100 hours of operation or after 2 months of use:

- Check for any loose nuts on the wheels and tighten as necessary.
- Check for any leakage of hydraulic parts and tighten fittings as required.

MAINTENANCE SCHEDULE

Refer to Table 10 on pages 17 and 18 for weekly, monthly and yearly schedules.

Models 5RRY5 thru 5RRZ2, 5RRZ4 thru 5RRZ6, 5RRZ8 thru 5RTA1**Maintenance (Continued)**

Maintenance Area	Action	1 Week	3 Months	6 Months	1 Year
Chassis and Stacker Frame	Inspect for any damage of load bearing parts		•		
	Inspect all joints and bolts		•		
Wheels	Inspect for wear and damage		•		
	Inspect bearings inside wheels and ensure a proper fit †		•		
Steering System	Inspect steering operation motion		•		
Brake	Inspect brake performance and adjust as needed	#	•		
	Check for brake wear		•		
Lifting Equipment	Check performance, look for wear		•		
	Visually inspect for any blockages in the loading wheels		•		
	Check for any wear or damage to the edges of forks and pallet	#	•		
Hydraulic System	Check performance	#	•		
	Check for any leakage or damage on all joints ‡	#	•		
	Check for leakage or damage to hydraulic cylinder, verify safety and reliability of connections	#	•		
	Check oil capacity	#	•		
	Replace hydraulic oil ‡‡			#	•
	Inspect adjustment function of pressure regulator			#	•

Table 10 – Maintenance Schedule

- (•) Standard
- (#) Refrigerated warehouse
- (†) After initial 100 hours of operation, check for any loose nuts on wheels and tighten as necessary
- (‡) After initial 100 hours of operation, check for any leakage of hydraulic parts and tighten as required
- (‡‡) 500 hours after initial operation

Dayton® Stackers

Maintenance (Continued)

Maintenance Area	Action	1 Week	3 Months	6 Months	1 Year
Electrical System	Check performance		•		
	Check for safety and reliability of cable connections, check for damage		•		
	Inspect fuses for proper amperage ratings		•		
	Check safety, reliability, and function of switches		•		
	Inspect connections, replace worn parts if necessary		•		
	Inspect function of alarm equipment	#	•		
Battery	Check the density and capacity of acid, check the battery voltage	#	•		
	Inspect for safety hoods and dielectric grease on connection terminals	#	•		
	Clean battery connections, inspect for tightness of fit	#	•		
	Check for damage to battery cables, replace if necessary		•		
Lubrication	Check grease fittings for proper lubrication, add grease as needed	#	•		
Integrated Measurement	Check for faults in grounding of the electrical system				•
	Check lifting and lowering speed				•
	Inspect safety devices		•		

Table 10 – Maintenance Schedule (Continued)

Models 5RRY5 thru 5RRZ2, 5RRZ4 thru 5RRZ6, 5RRZ8 thru 5RTA1

Maintenance (Continued)

MAINTENANCE AND REPAIR PREPARATIONS

Take necessary safety precautions to avoid accidents during repair and maintenance by:

- Parking the stacker safely
- Pressing the parking brake.

⚠ WARNING *If it becomes necessary to lift the stacker for maintenance or repair, refer to the related instructions in the "Transportation and Commissioning" section for precautions to be taken when lifting the forks or lifting the stacker.*

USING THE STACKER AFTER MAINTENANCE

Complete the following operations before using the stacker:

- Clean the stacker.
- Check the brake.

STORAGE OF THE STACKER

If the stacker will be unused for 2 or more months, it should be parked in a cool (non-freezing) and dry location. The following measures should be taken before, during, and after storage.

NOTE: During storage, the stacker should be elevated to keep the wheels completely off the ground. This will protect the wheels and the bearings inside wheels from damage. In the case of storage period of over 6 months, contact the manufacturer for additional measures.

PREPARATIONS BEFORE STORAGE

- Clean the stacker thoroughly.
- Check the brake.
- Check the hydraulic oil capacity, add fluid if necessary.
- Apply oil or grease to fittings as needed.
- Consult detailed Lubrication List to lubricate the stacker.
- Recharge the battery.
- Disconnect and clean the battery. Apply dielectric grease to the battery electrodes.

NOTE: In addition to the above, instructions provided by the battery supplier should also be observed.

MEASURES TO BE TAKEN DURING STORAGE

Every two months: charge the battery. **IMPORTANT:** It is important to recharge the battery regularly. Batteries allowed to completely discharge may become damaged and require replacement.

RE-COMMISSIONING

- Clean the stacker thoroughly.
- Consult detailed Lubrication List to lubricate the stacker.
- Clean the battery, apply dielectric grease to electrode bolts and connect the battery.
- Recharge the battery.
- Check for any moisture in the hydraulic oil, replace if required.
- Check all safety functions before using.

BATTERY OPERATION

In the case of a fault in the electrical system, brush all exposed electrical connections or clean with contact cleaner. Repeat this step to remove oxidation on controller connections.

Dayton® Stackers

Troubleshooting Chart

Fault	Reason	Treatment
Forks won't lift	<ol style="list-style-type: none"> 1. Hydraulic oil is low 2. Blown fuse 3. Battery level is below 20-30% 	<ol style="list-style-type: none"> 1. Check hydraulic oil and add if needed 2. Check fuse; replace if necessary 3. Charge the battery
Forks won't lower	<ol style="list-style-type: none"> 1. Control valve is blocked with dirty fluid 2. Lowering valve is off or damaged 	<ol style="list-style-type: none"> 1. Check hydraulic oil and clean control valve. Replace hydraulic oil if necessary 2. Check lowering valve and replace if needed
Forks won't stop lifting	Lifting micro switch is damaged	Turn off power and replace lifting micro switch
Poor directional control	Bent connecting bar	Check connecting bar and replace if needed

Models 5RRY5 thru 5RRZ2, 5RRZ4 thru 5RRZ6, 5RRZ8 thru 5RTA1

Hydraulic Flow Diagram

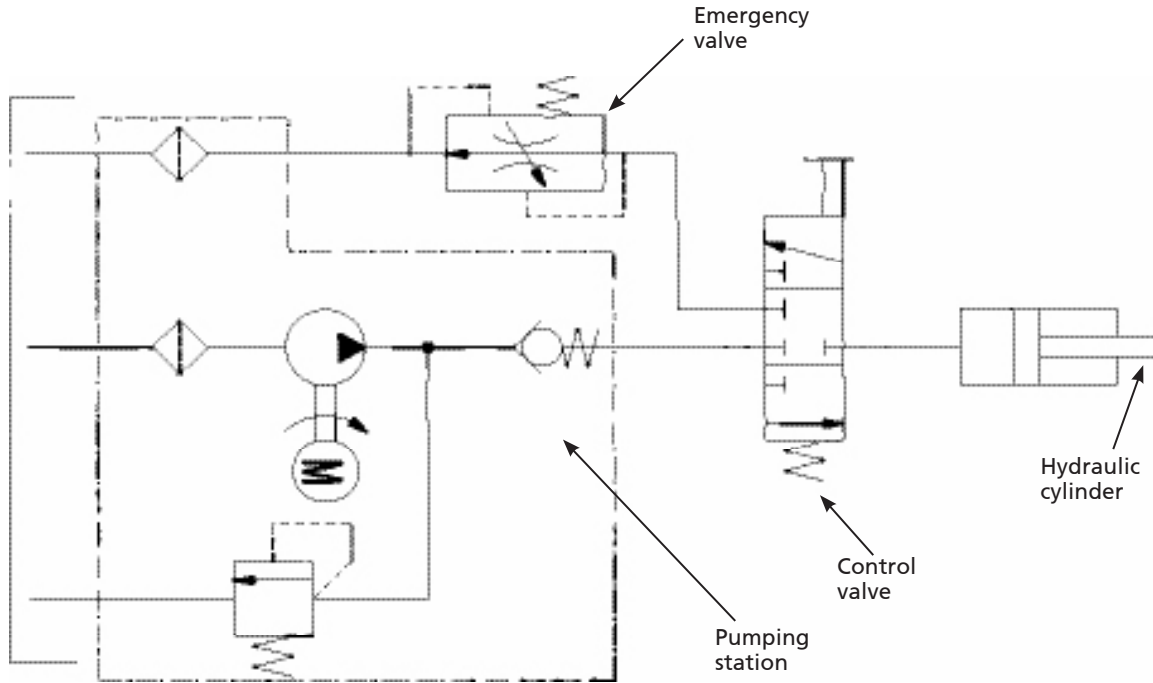


Figure 11

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Dayton® Stackers

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list

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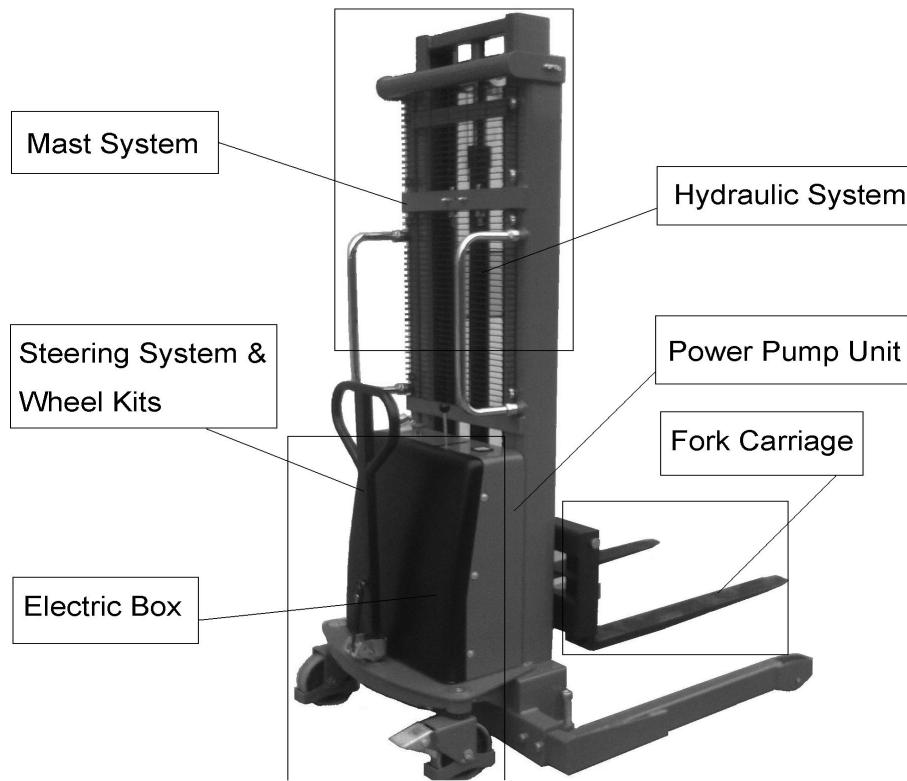


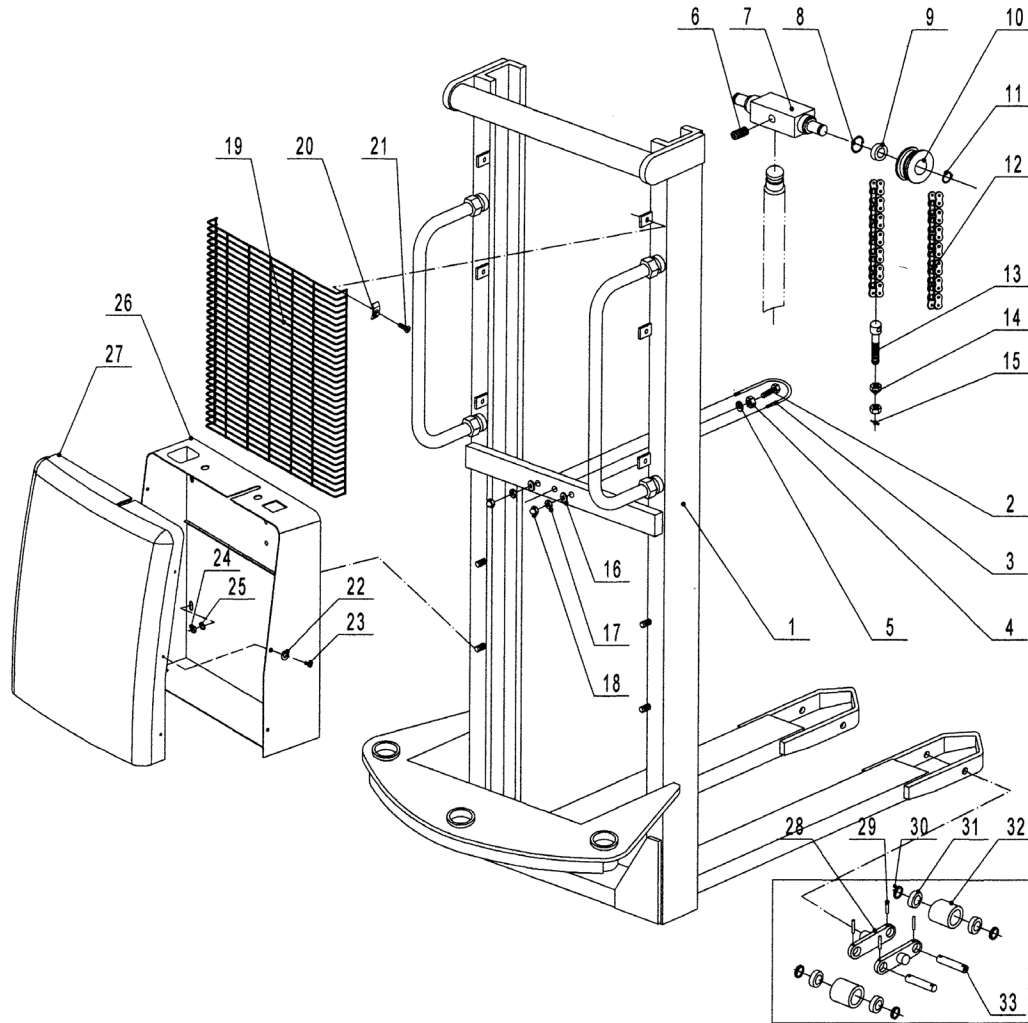
Figure 11

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 12a – Repair Parts Illustration for Stacker Mast System (Model 5RRY5)

Repair Parts List for Stacker Mast System

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Mast	*	1	18	Domed nut M8	**	2
2	Bolt M10x35	**	1	19	Protective grill	MH5RRY501G	1
3	U - bolt	MH5RRY902G	1	20	Pressure washer	**	6
4	Nut M10	**	1	21	Screw M6x16	**	6
5	Washer 10	**	1	22	Washer 6	**	6
6	Screw M8x16	**	1	23	Screw M6x16	**	6
7	Roller block	MH5RRY801G	1	24	Nut M10	**	4
	Chain roller assembly kit	MH5RRY909G		25	Washer 10	**	4
8	Retaining ring 47	▲	1	26	Cover	MH5RRY938G	1
9	Bearing 6204	▲	1	27	Electric Box	*	1
10	Chain roller	▲	1		Load roller kit	MH5RRY601G	
11	Retaining ring 20	▲	1	28	Linking plate	▲	2
	Every stacker has total 2 "Chain roller assembly kits"			29	Roller pin 5x35	▲	4
	Chain assembly kit	MH5RRY802G		30	Washer 20	▲	4
12	Chain TG190	▲	1	31	Bearing 6204	▲	4
13	Link Bolt	▲	1	32	Load roller 74x70	▲	2
14	Nut M14	▲	2	33	Shaft for roller	▲	2
15	Split pin 2.5x25	▲	1		Every stacker has total 2 "Load roller kits"		
	Every stacker has total 2 "Chain assembly kits"						
16	Washer 8	**	2				
17	Nut M8	**	2				

(▲) Available as part of a kit only.

(*) Not available as repair part.

(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list

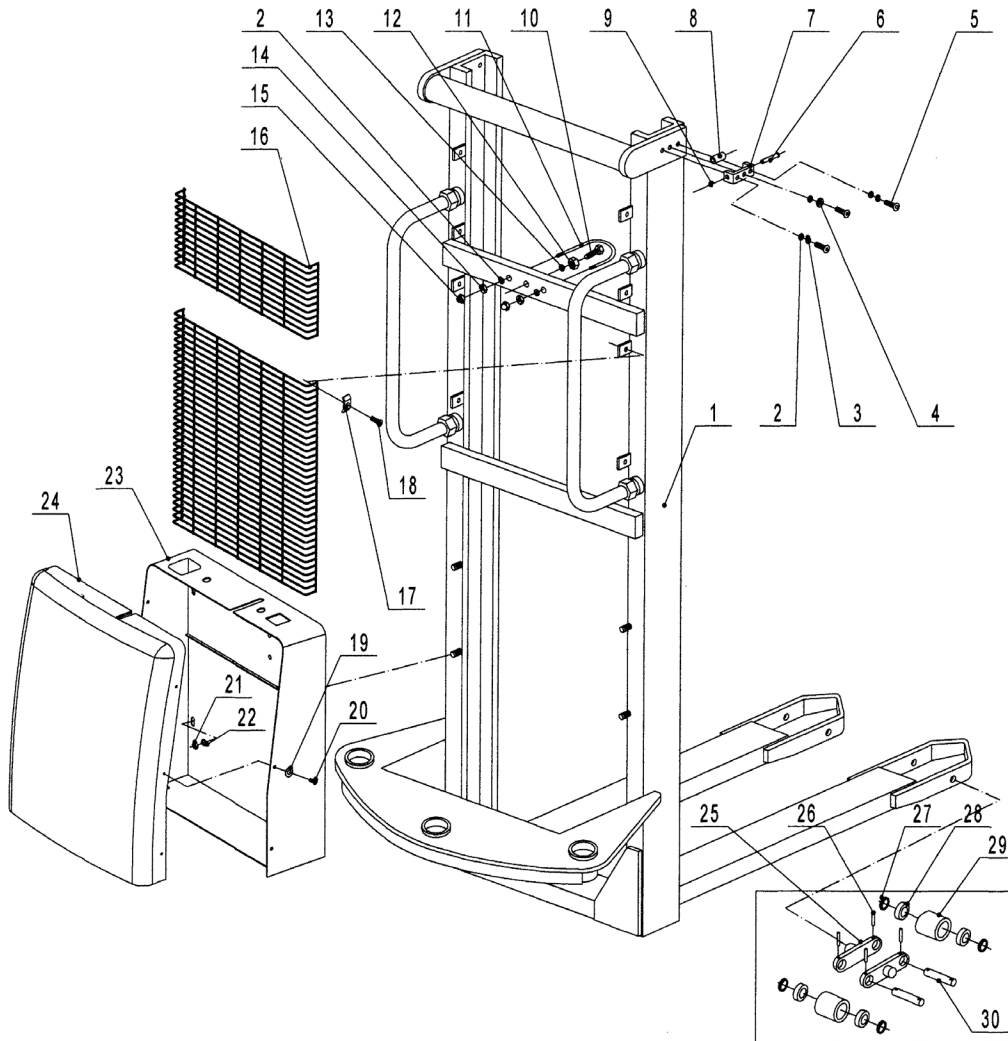


Figure 12b – Repair Parts Illustration for Stacker Mast System -Outer Mast (Model 5RRY6)

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Repair Parts List for Stacker Mast System - Outer Mast

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Mast	*	1	18	Screw M6x16	**	6
	Adjust roller assembly kit	MH5RRY901G		19	Washer 6	**	6
2	Washer 8	▲	4	20	Screw M6x16	**	6
3	Elastic washer 8	▲	2	21	Nut M10	**	4
4	Nut M8	▲	1	22	Washer 10	**	4
5	Screw M8x35	▲	3	23	Cover	MH5RRY938G	1
6	Shaft	▲	1	24	Electric Box	*	1
7	Seat for roller	▲	1		Chain assembly kit	MH5RRY601G	
8	Guide pulley	▲	1	25	Linking plate	▲	2
9	Retaining ring 12	▲	1	26	Roller pin 5x35	▲	4
	Every stacker has total 2 "Adjust roller assembly kits"			27	Washer 20	▲	4
10	Bolt M10x35	**	1	28	Bearing 6204	▲	4
11	U - bolt	MH5RRY902G	1	29	Load roller 74x70	▲	2
12	Nut M10	**	1	30	Shaft for roller	▲	2
13	Washer 10	**	1		Every stacker has total 2 "Load roller kits"		
14	Nut M8	**	2				
15	Domed nut M8	**	2				
16	Protective grill	MH5RRY602G	1				
17	Pressure washer	**	6				

- (▲) Available as part of a kit only.
 (*) Not available as repair part.
 (**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list

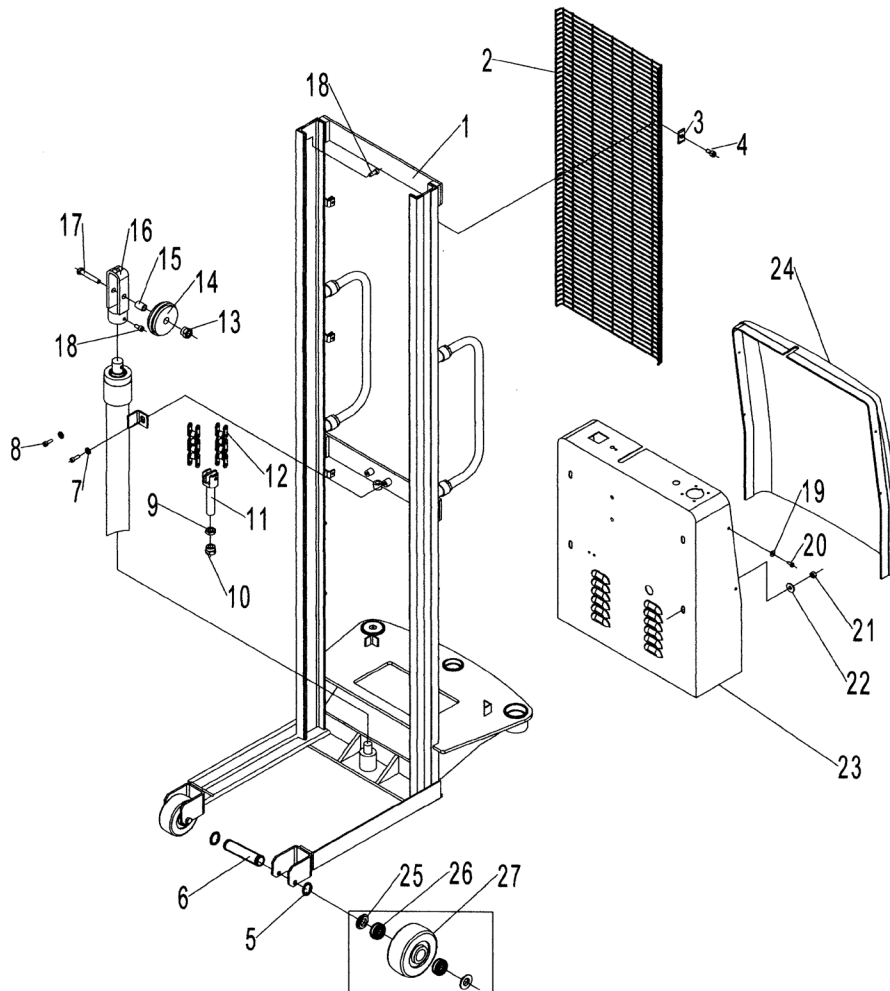


Figure 12c – Repair Parts Illustration for Stacker Mast System (Model 5RRY7)

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Repair Parts List for Stacker Mast System

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Mast	*	1	18	Screw M6x6	**	2
2	Protective grill	MH5RRY701G	1	19	Washer 6	**	6
3	Pressure washer	**	6	20	Screw M6x16	**	6
4	Screw M5x12	**	6	21	Nut M10	**	4
5	Retaining ring 20	**	4	22	Washer 10	**	4
6	Wheel shaft	MH5RRY702G	1	23	Electric box	**	1
7	Screw M8x12	**	2	24	Cover	MH5RRY938G	1
8	Elastic washer 8	**	2		Load roller kit	MH5RRY704G	
	Chain assembly kit,63"H	MH5RRY703G		25	Washer	▲	2
9	Lock nut M12	▲	1	26	Bearing	▲	2
10	Nut M12	▲	1	27	Load roller	▲	1
11	Link bolt	▲	1		Every stacker has total 2 "Load roller kits"		
12	Chain	▲	1				
	Chain roller assembly kit	MH5RRZ803G					
13	Lock nut M8	▲	1				
14	Chain roller	▲	1				
15	Sleeve	▲	1				
16	Seat for chain	▲	1				
17	Bolt M8x50	▲	1				

(▲) Available as part of a kit only.

(*) Not available as repair part.

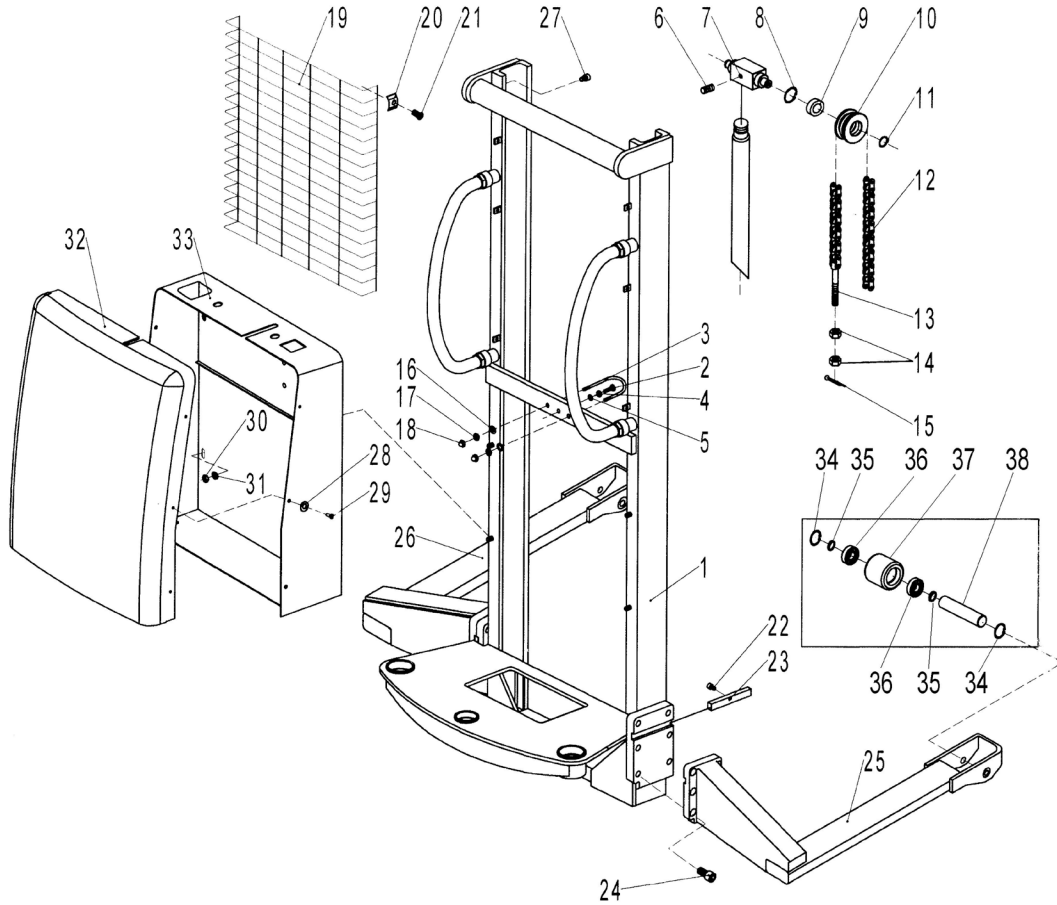
(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 12d – Repair Parts Illustration for Stacker Mast System (Model 5RRY8)

Repair Parts List for Stacker Mast System

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Mast	*	1	21	Screw M6x16	**	6
2	Bolt M10x35	**	1	22	Screw M8x12	**	2
3	U - bolt	MH5RRY902G	1	23	Flat key	MH5RRY904G	1
4	Nut M10	**	1		Every stacker has total 2 "Flat key"		
5	Washer 10	**	1	24	Screw M16x30	**	12
6	Screw M8x16	**	1	25	Right straddle leg, for 48" in base	MH5RRY905G	1
7	Roller block	MH5RRY801G	1	25	Right straddle leg, for 38" in base	MH5RRZ001G	1
	Chain roller assembly kit	MH5RRY909G		26	Left straddle leg, for 48" in base	MH5RRY906G	1
8	Retaining ring 47	▲	1	26	Left straddle leg, for 38" in base	MH5RRZ002G	1
9	Bearing 6204	▲	1	27	Screw M6x6	**	2
10	Chain roller	▲	1	28	Washer 6	**	6
11	Retaining ring 20	▲	1	29	Screw M6x16	**	6
	Every stacker has total 2 "Chain roller assembly kits"			30	Nut M10	**	4
	Chain assembly kit	MH5RRY802G		31	Washer 10	**	4
12	Chain TG190	▲	1	32	Cover	MH5RRY938G	1
13	Link Bolt	▲	1	33	Electric Box	*	1
14	Nut M14	▲	2		Load roller kit	MH5RRY907G	
15	Split pin 2.5x25	▲	1	34	Lock ring 20	▲	2
	Every stacker has total 2 "Chain assembly kits"			35	Washer 20	▲	2
16	Washer 8	**	2	36	Bearing 6204	▲	2
17	Nut M8	**	2	37	Load roller 4"	▲	1
18	Domed nut M8	**	2	38	Shaft for roller	▲	1
19	Protective grill	MH5RRY803G	1		Every stacker has total 2 "Load roller kits"		
20	Pressure washer	**	6				

(▲) Available as part of a kit only.

(*) Not available as repair part.

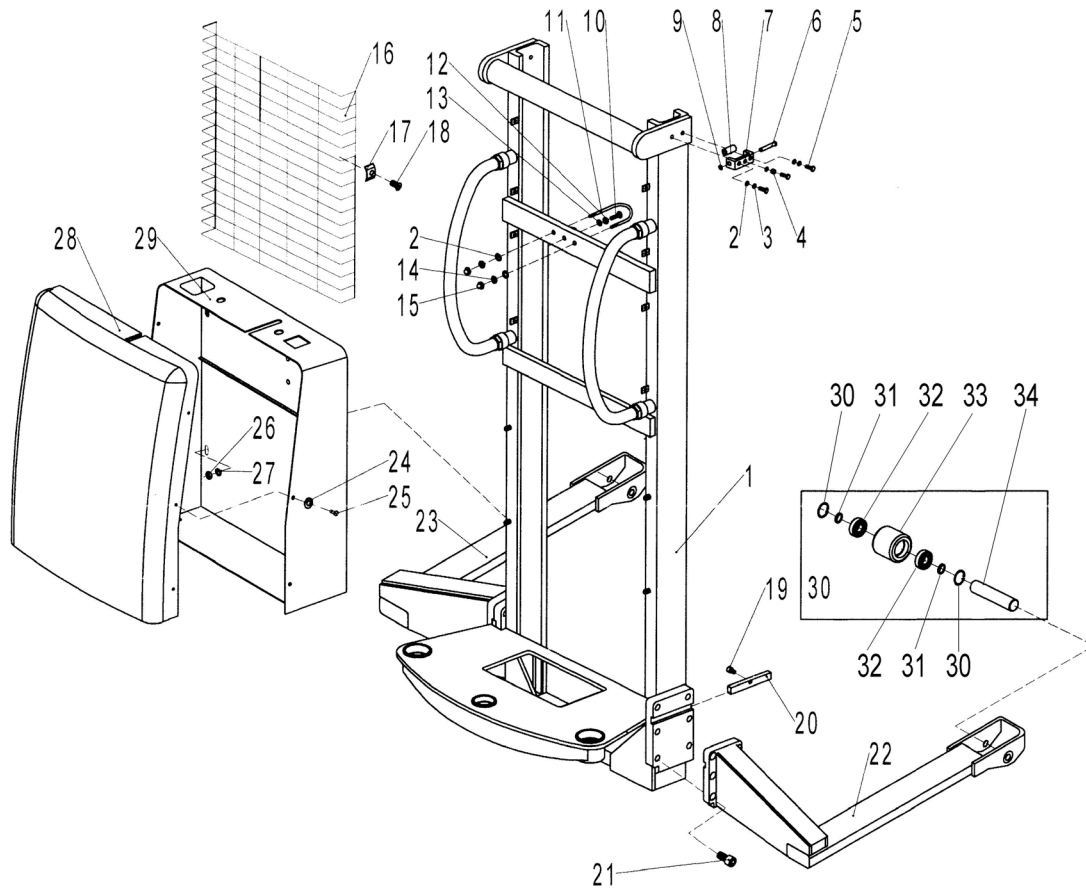
(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



ENGLISH

Figure 12e – Repair Parts Illustration for Stacker Mast System - Outer Mast (Model 5RRY9, 5RRZ0, 5RRZ1 and 5RRZ2)

Repair Parts List for Stacker Mast System - Outer Mast

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Mast	*	1	19	Screw M8x12	**	2
	Adjust roller assembly kit	MH5RRY901G		20	Flat key	MH5RRY904G	
2	Washer 8	▲	4	21	Screw M16x30	**	12
3	Elastic washer 8	▲	2	22	Right straddle leg, for 48" in base	MH5RRY905G	1
4	Nut M8	▲	1	22	Right straddle leg, for 38" in base	MH5RRZ001G	1
5	Screw M8x35	▲	3	23	Left straddle leg, for 48" in base	MH5RRY906G	1
6	Shaft	▲	1	23	Left straddle leg, for 38" in base	MH5RRZ002G	1
7	Seat for roller	▲	1	24	Washer 6	**	6
8	Guide pulley	▲	1	25	Screw M6x16	**	6
9	Retaining ring 12	▲	1	26	Nut M10	**	4
	Every stacker has total 2 "Adjust roller assembly kits"			27	Washer 10	**	4
10	Bolt M10x35	**	1	28	Cover	MH5RRY938G	1
11	U - bolt	MH5RRY902G	1	29	Electric Box	*	1
12	Nut M10	**	1		Load roller kit	MH5RRY907G	
13	Washer 10	**	1	30	Lock ring 20	▲	2
14	Nut M8	**	2	31	Washer 20	▲	2
15	Domed nut M8	**	2	32	Bearing 6204	▲	2
16	Protective grill, for 5RRY9 and 5RRZ0, 118" height	MH5RRY903G	1	33	Load roller 4"	▲	1
16	Protective grill, for 5RRZ1 and 5RRZ2, 137" height	MH5RRZ201G	1	34	Shaft for roller	▲	1
17	Pressure washer	**	6		Every stacker has total 2 "Load roller kits"		
18	Screw M6x16	**	6				

(▲) Available as part of a kit only.

(*) Not available as repair part.

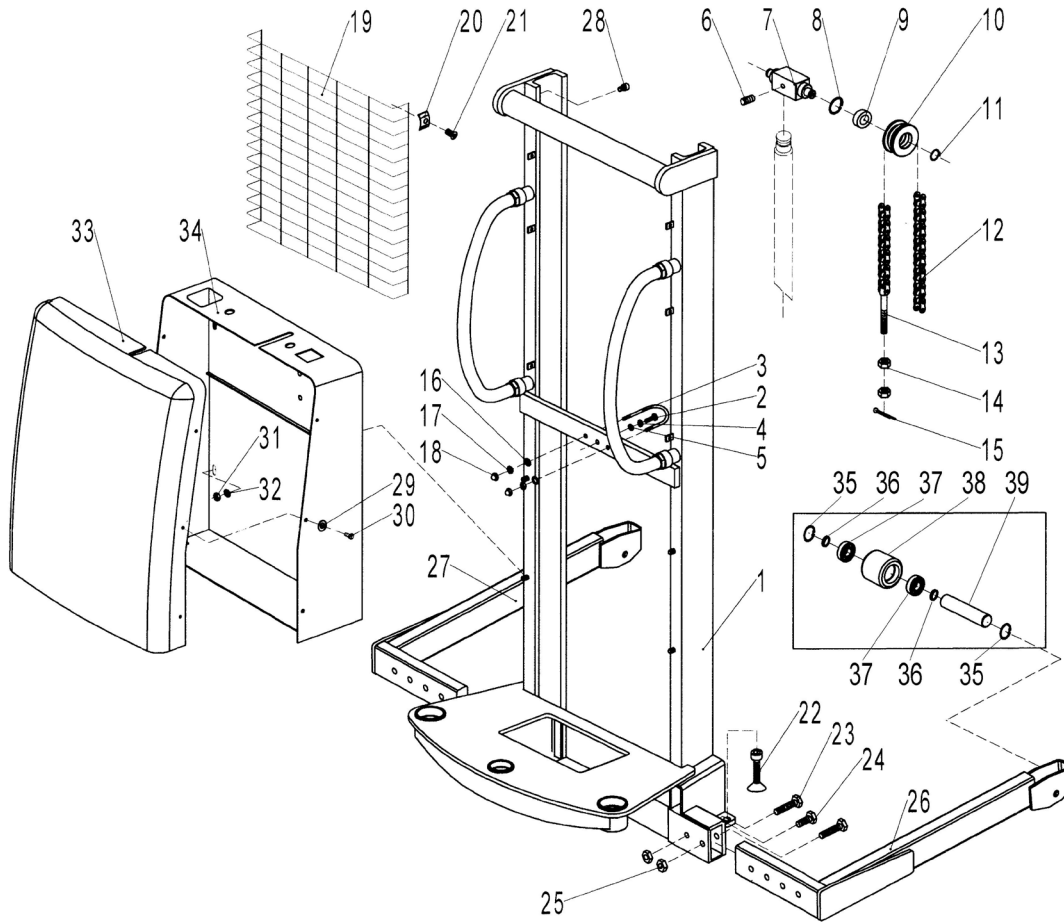
(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 12f – Repair Parts Illustration for Stacker Mast System(Model 5RRZ4)

Repair Parts List for Stacker Mast System

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Mast	*	1	20	Pressure washer	**	6
2	Bolt M10x35	**	1	21	Screw M6x16	**	6
3	U - bolt	MH5RRY902G	1	22	Leveling screw kit	MH2LEC135	1
4	Nut M10	**	1	Every stacker has total 2 "Leveling screw kits"			
5	Washer 10	**	1	23	Bolt M18x30	**	2
6	Screw M8x16	**	1	24	Bolt M18x90	**	4
7	Roller block	MH5RRY801G	1	25	Lock nut M18	**	4
Chain roller assembly kit				26	Right straggle leg	MH5RRZ501G	1
8	Retaining ring 47	▲	1	27	Left straddle leg	MH5RRZ502G	1
9	Bearing 6204	▲	1	28	Screw M6x6	**	2
10	Chain roller	▲	1	29	Washer 6	**	6
11	Retaining ring 20	▲	1	30	Screw M6x16	**	6
Every stacker has total 2 "Chain roller assembly kits"				31	Nut M10	**	4
Chain assembly kit				32	Washer 10	**	4
Chain TG190				33	Cover	MH5RRY938G	1
12	Chain TG190	▲	1	34	Electric Box	*	1
13	Link Bolt	▲	1	Load roller kit			
14	Nut M14	▲	2	MH5RRZ401G			
15	Split pin 2.5x25	▲	1	35	Lock ring 20	▲	2
Every stacker has total 2 "Chain assembly kits"				36	Washer 20	▲	2
16	Washer 8	**	2	37	Bearing 6204	▲	2
17	Nut M8	**	2	38	Load roller 5"	▲	1
18	Domed nut M8	**	2	39	Shaft for roller	▲	1
19	Protective grill	MH5RRY803G	1	Every stacker has total 2 "Load roller kits"			

(▲) Available as part of a kit only.

(*) Not available as repair part.

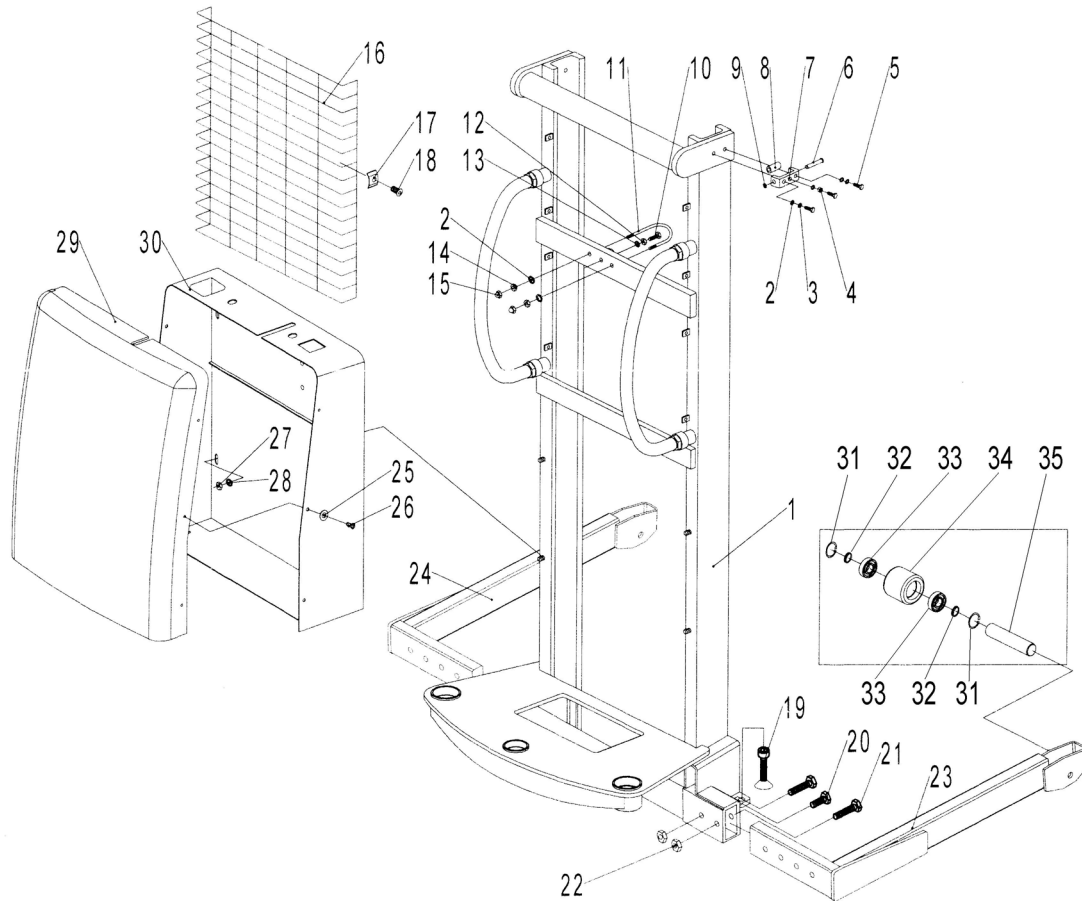
(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 12g – Repair Parts Illustration for Stacker Mast System - Outer Mast (Model 5RRZ5 & 5RRZ6)

Repair Parts List for Stacker Mast System - Outer Mast

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Mast	*	1	19	Leveling screw kit	MH2LEC135	1
	Adjust roller assembly kit	MH5RRY901G			Every stacker has total 2 "Leveling screw kits"		
2	Washer 8	▲	4	20	Bolt M18x30	**	2
3	Elastic washer 8	▲	2	21	Bolt M18x90	**	4
4	Nut M8	▲	1	22	Lock nut M18	**	4
5	Screw M8x35	▲	3	23	Right straggle leg	MH5RRZ501G	1
6	Shaft	▲	1	24	Left straddle leg	MH5RRZ502G	1
7	Seat for roller	▲	1	25	Washer 6	**	6
8	Guide pulley	▲	1	26	Screw M6x16	**	6
9	Retaining ring 12	▲	1	27	Nut M10	**	4
	Every stacker has total 2 "Adjust roller assembly kits"			28	Washer 10	**	4
10	Bolt M10x35	**	1	29	Cover	MH5RRY938G	1
11	U - bolt	MH5RRY902G	1	30	Electric Box	*	1
12	Nut M10	**	1		Load roller kit	MH5RRZ401G	
13	Washer 10	**	1	31	Lock ring 20	▲	2
14	Nut M8	**	2	32	Washer 20	▲	2
15	Domed nut M8	**	2	33	Bearing 6204	▲	2
16	Protective grill, for 5RRY9 and 5RRZ0, 118" height	MH5RRY903G	1	34	Load roller 5"	▲	1
16	Protective grill, for 5RRZ1 and 5RRZ2, 137" height	MH5RRZ201G	1	35	Shaft for roller	▲	1
17	Pressure washer	**	6		Every stacker has total 2 "Load roller kits"		
18	Screw M6x16	**	6				

(▲) Available as part of a kit only.

(*) Not available as repair part.

(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list

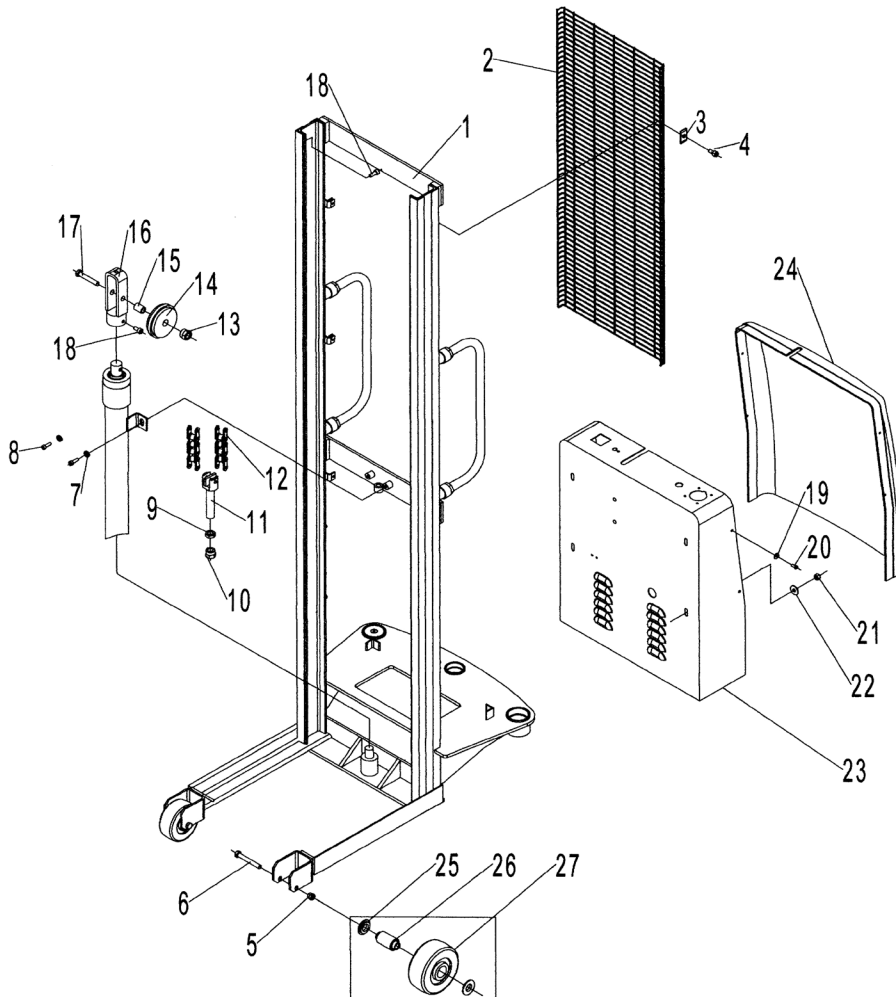


Figure 12h – Repair Parts Illustration for Stacker Mast System (Model 5RRZ8, 5RRZ9, 5RTA0 and 5RTA1)

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Repair Parts List for Stacker Mast System

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Mast	*	1	18	Screw M6x6	**	2
2	Protective grill	MH5RRZ801G	1	19	Washer 6	**	6
3	Pressure washer	**	6	20	Screw M6x16	**	6
4	Screw M5x12	**	6	21	Nut M10	**	4
5	Lock nut N12	**	2	22	Washer 10	**	4
6	Bolt M12x90	**	2	23	Electric box	**	1
7	Screw M8x12	**	2	24	Cover	MH5RRY938G	1
8	Elastic washer 8	**	2		Load roller kit	MH5RRZ901G	
	Chain assembly kit,68"H	MH5RRZ802G		25	Washer	▲	2
	Chain assembly kit,80"H	MH5RTA003G		26	Bearing	▲	1
9	Lock nut M12	▲	1	27	Load roller	▲	1
10	Nut M12	▲	1		Every stacker has total 2 "Load roller kits"		
11	Link bolt	▲	1				
12	Chain for 68" height	▲	1				
12	Chain for 80" height	▲	1				
	Chain roller assembly kit	MH5RRZ803G					
13	Lock nut M8	▲	1				
14	Chain roller	▲	1				
15	Sleeve	▲	1				
16	Seat for chain	▲	1				
17	Bolt M8x50	▲	1				

(▲) Available as part of a kit only.

(*) Not available as repair part.

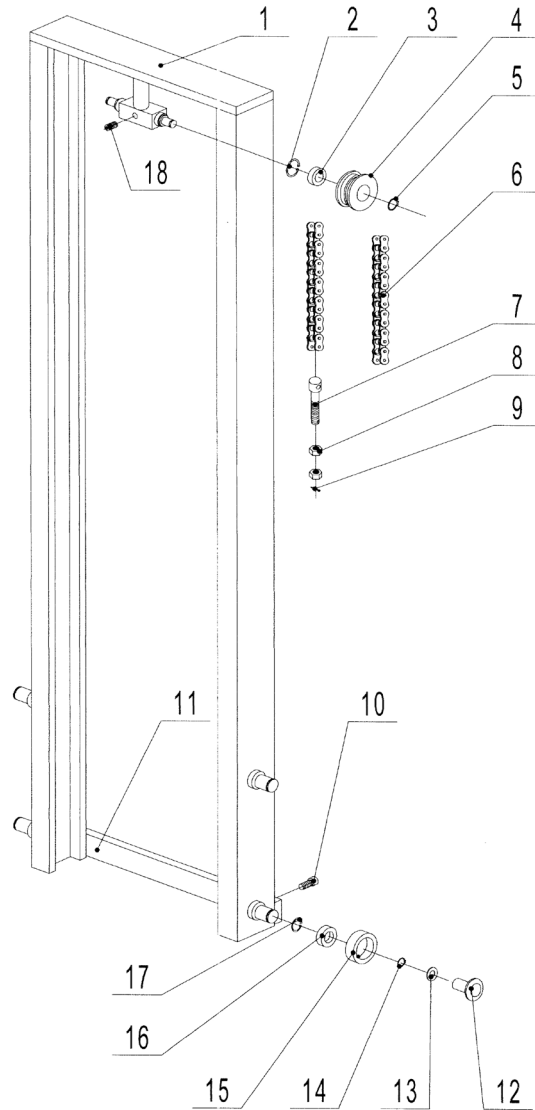
(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 12i – Repair Parts Illustration for Stacker Mast System - Inner Mast (Model 5RRY5, 5RRY9, 5RRZ0, 5RRZ1, 5RRZ2, 5RRZ5 and 5RRZ6)

Repair Parts List for Stacker Mast System - Inner Mast

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Inner mast	*	1	10	Screw M10x20	**	2
	Adjust roller assembly kit	MH5RRY909G		11	Connect plate	**	1
2	Retaining ring	▲	1		Roller assembly kit	MH5RRY911G	
3	Bearing 6204	▲	1	12	Washer	▲	1
4	Chain roller	▲	1	13	Washer	▲	1
5	Retaining ring 20	▲	1	14	Retaining ring 25	▲	1
	Every stacker has total 2 "Chain roller assembly kits"			15	NRoller	▲	1
	Adjust assembly kit, 118" height	MH5RRY910G		16	Bearing 6205	▲	1
	Adjust assembly kit,137" height	MH5RRZ101G		17	Retaining ring 52	▲	1
6	Chain, 118" height	▲	1		Every stacker has total 4 "Roller assembly kits"		
6	Chain, 137" height	▲	1	18	Screw M8x16	**	1
7	Link bolt	▲	1				
8	Nut M14	▲	2				
9	Spilt pin 2.5x25	▲	1				
	Every stacker has total 2 "Adjust assembly kits"						

(▲) Available as part of a kit only.

(*) Not available as repair part.

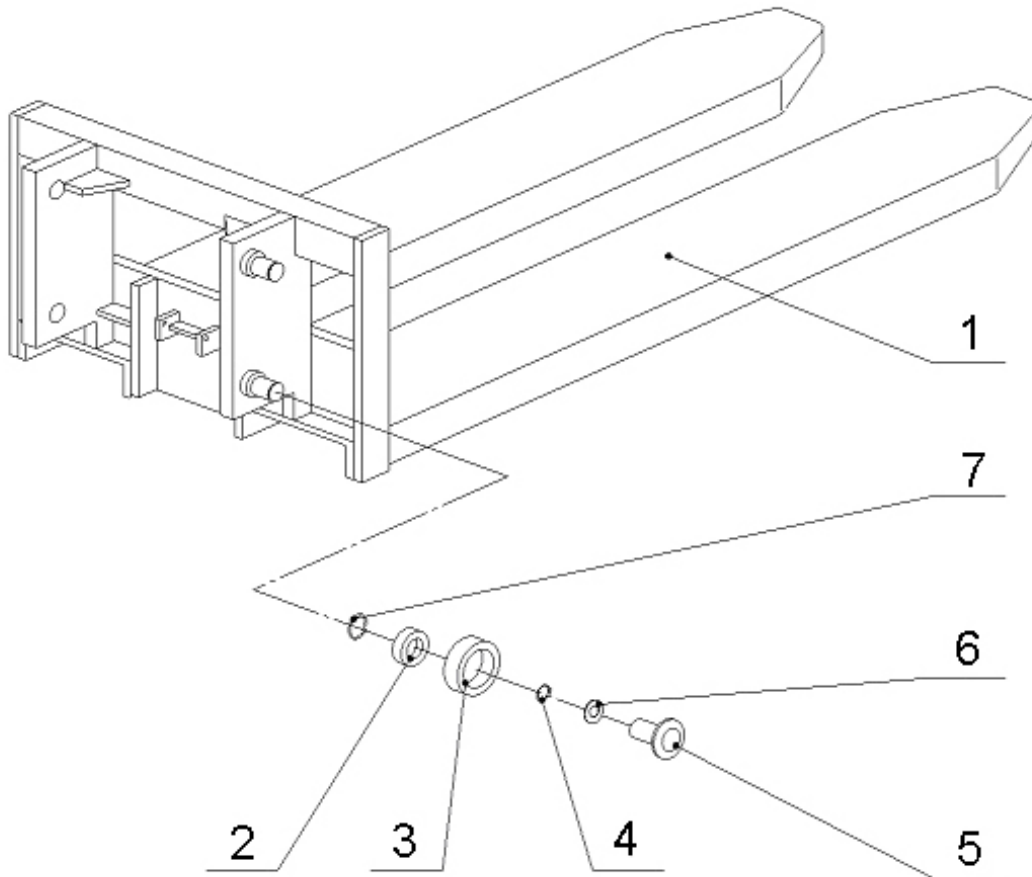
(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 13a – Repair Parts Illustration for Stacker Fork Carriage (Model 5RRY5 & 5RRY6)

Repair Parts List for Stacker Fork Carriage

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Fork carriage	*	1	7	Retaining ring 52	▲	1
	Carriage roller assembly kit	MH5RRY922G			Every stacker has total 4 "Carriage roller assembly kits"		
2	Bearing 6205	▲	1				
3	Roller	▲	1				
4	Retaining ring 25	▲	1				
5	Washer	▲	1				
6	Washer	▲	1				

(▲) Available as part of a kit only.

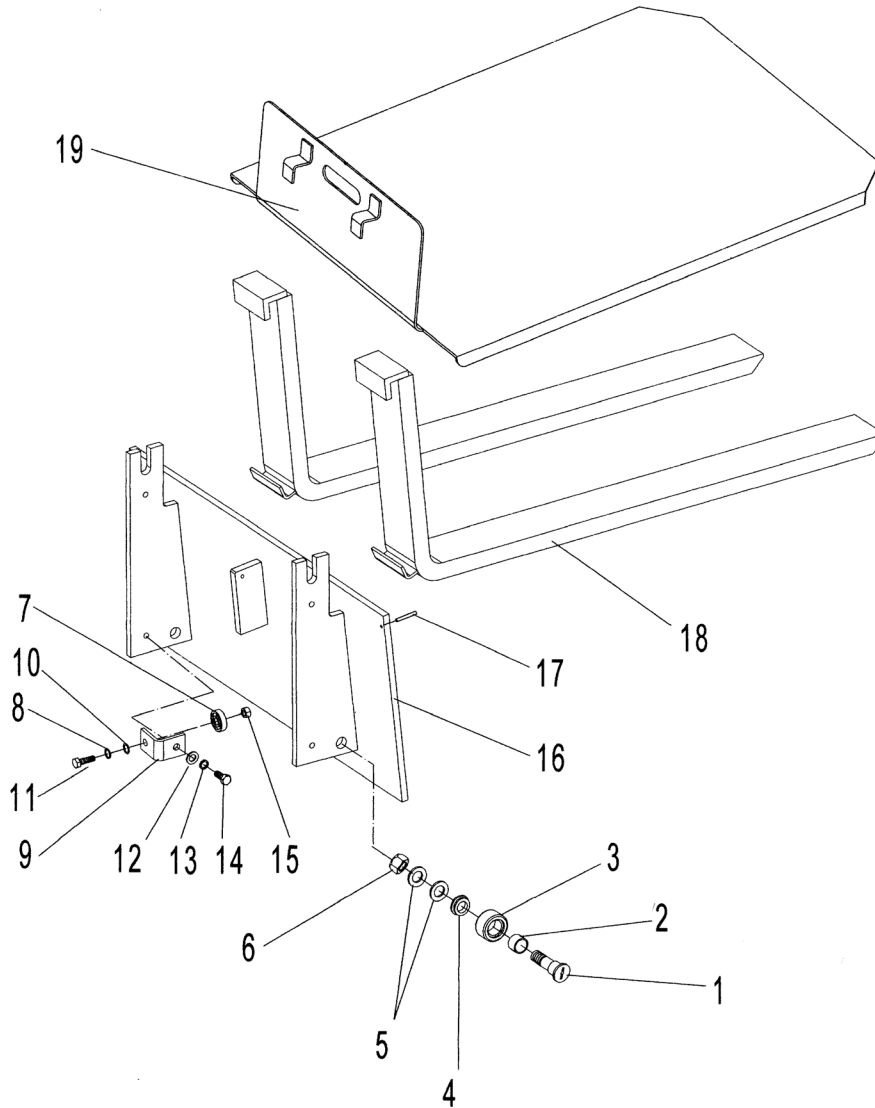
(*) Not available as repair part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 13b – Repair Parts Illustration for Stacker Fork Carriage (Model 5RRY7)

Repair Parts List for Stacker Fork Carriage

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
	Carriage roller assembly kit	MH2MPT205G		10	Washer 10	▲	1
1	Axle for roller	▲	1	11	Bolt M10x20	▲	1
2	Bushing 20x23x15	▲	1	12	Washer 8	▲	1
3	Roller	▲	1	13	Spring washer 8	▲	1
4	Washer	▲	1	14	Bolt M8x20	▲	1
5	Washer	▲	2	15	Nut M10	▲	1
6	Lock nut M16	▲	4		Every stacker has total 4 "Side roller kits"		
	Every stacker has total 4 "Carriage roller assembly kits"			16	Fork carriage	*	1
	Side roller kit	MH2MPT207G		17	Roll pin 4x20	**	2
7	Bearing 6200	▲	1	18	Fork, 3x25"	MH5RRY705G	1
8	Spring washer 8	▲	2		Every stacker has total 2 "Forks"		
9	Side roller bracket	▲	1	19	Platform (option) for 5RRY7	5RTC7	1

(▲) Available as part of a kit only.

(*) Not available as repair part.

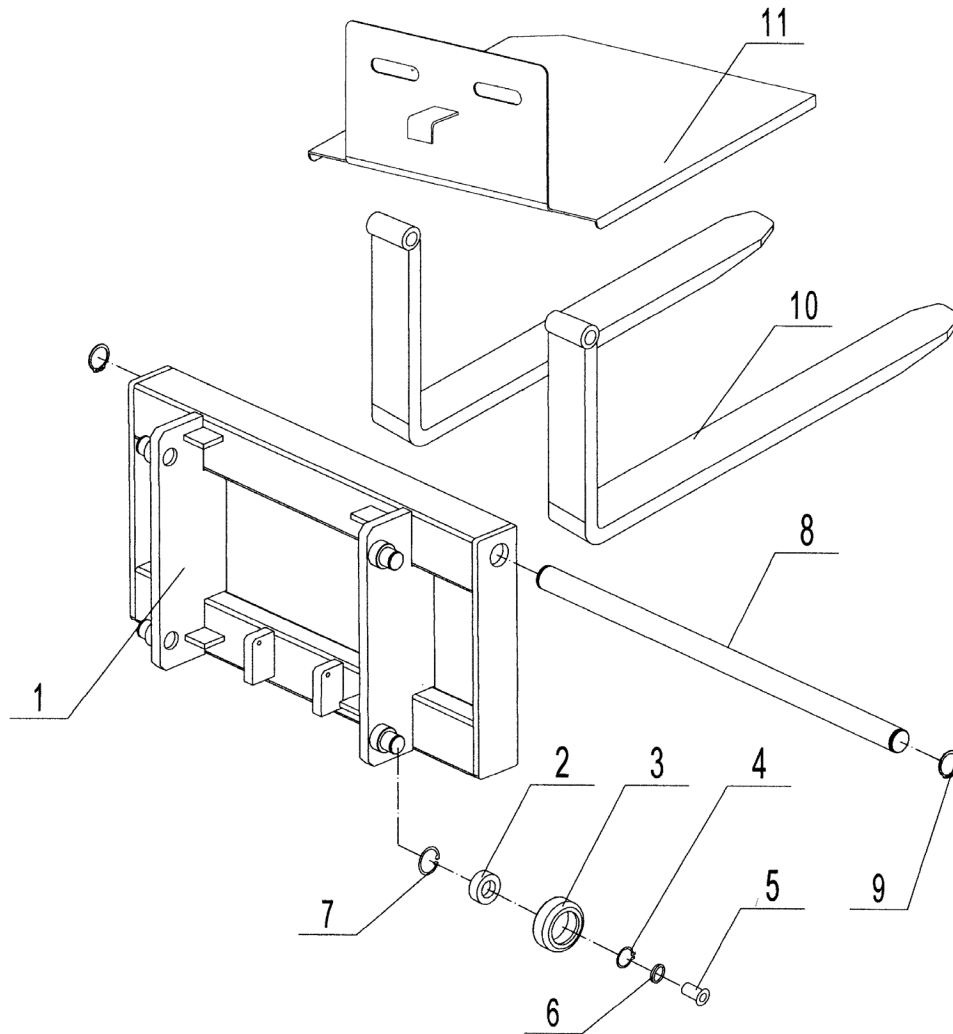
(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 13c – Repair Parts Illustration for Stacker Fork Carriage (Model 5RRY8, 5RRY9, 5RRZ0, 5RRZ1, 5RRZ2, 5RRZ4, 5RRZ5 and 5RRZ6)

Repair Parts List for Stacker Fork Carriage

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Fork carriage	*	1		Long shaft assembly kit	MH5RRY923G	
	Carriage roller assembly kit	MH5RRY922G		8	Long shaft	▲	1
2	Bearing 6205	▲	1	9	Retaining ring 32	▲	2
3	Roller	▲	1	10	Fork, 4x36"	5RRZ7	1
4	Retaining ring 25	▲	1	10	Fork, 4x42"	MH5RRY925G	1
5	Washer	▲	1	Every stacker has total 2 "Forks"			
6	Washer	▲	1	11	Platform(option) for 5RRY8 to 5RRZ2	5RTC8	1
7	Retaining ring 52	▲	1	11	Platform(option) for 5RRZ4 to 5RRZ6	5RTC9	1
Every stacker has total 4 "Carriage roller assembly kits"							

(▲) Available as part of a kit only.

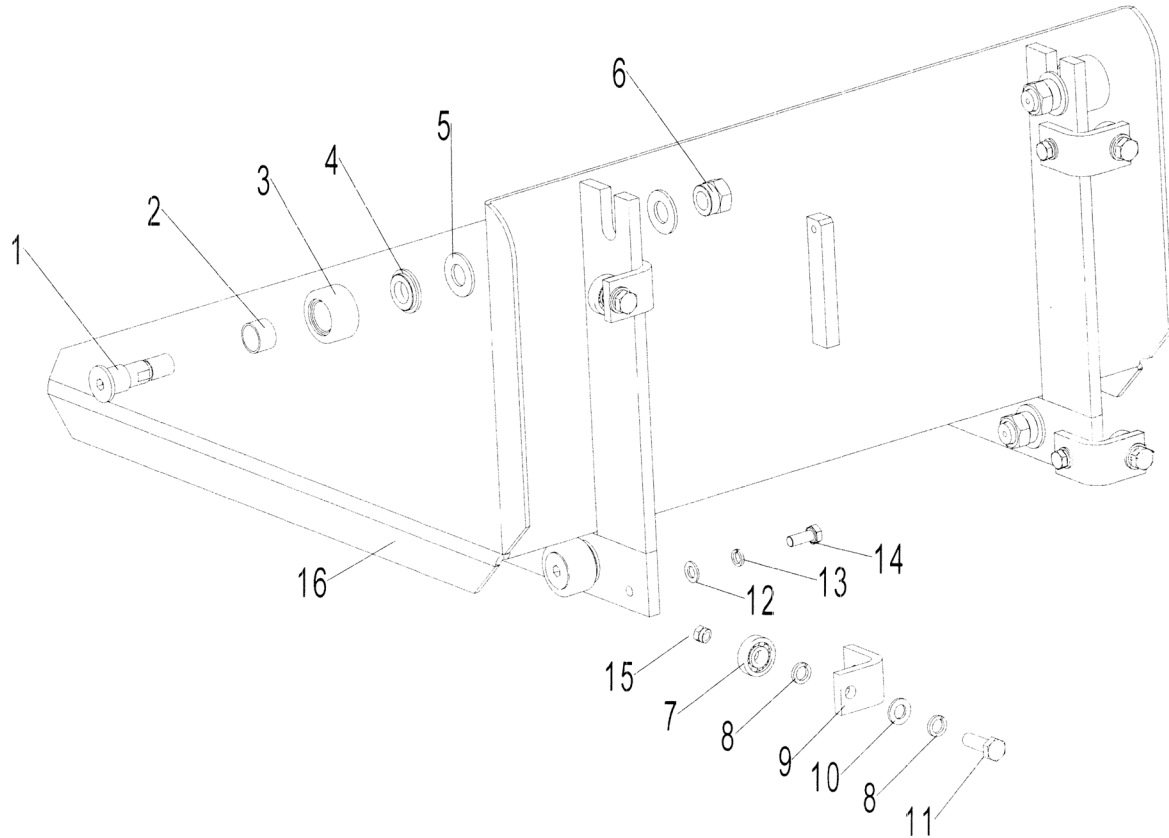
(*) Not available as repair part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 13d – Repair Parts Illustration for Stacker Fork Carriage (Model 5RRZ8, 5RRZ9, 5RTA0 and 5RTA1)

Repair Parts List for Stacker Fork Carriage

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
	Carriage roller assembly kit	MH2MPT205G		10	Washer 10	▲	1
1	Axle for roller	▲	1	11	Bolt M10x20	▲	1
2	Bushing 20x23x15	▲	1	12	Washer 8	▲	1
3	Roller	▲	1	13	Spring washer 8	▲	1
4	Washer	▲	1	14	Bolt M8x20	▲	1
5	Washer	▲	2	15	Nut M10	▲	1
6	Lock nut M16	▲	4		Every stacker has total 4 "Side roller kits"		
	Every stacker has total 4 "Carriage roller assembly kits"			16	Platform carriage	*	1
	Side roller kit	MH2MPT207G					
7	Bearing 6200	▲	1				
8	Spring washer 8	▲	2				
9	Side roller bracket	▲	1				

(▲) Available as part of a kit only.

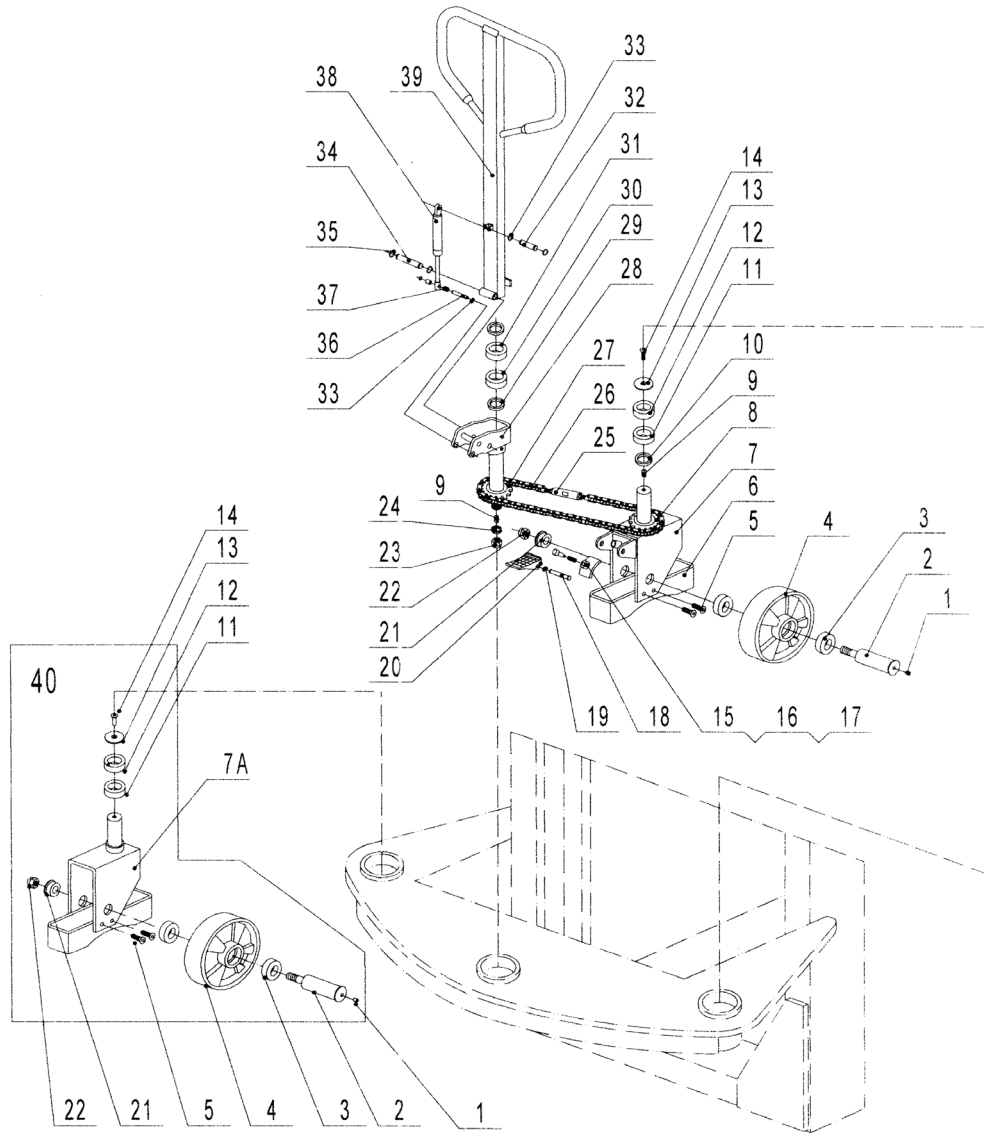
(*) Not available as repair part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 14 – Repair Parts Illustration for Steering System & Wheel Kits

Repair Parts List for Steering System & Wheel Kits

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
	Big wheel kit	MH5RRY912G		18	Axle	▲	1
1	Grease cup 6	▲	1	19	Retaining ring 20	▲	1
2	Bolt	▲	1	20	Pedal plate	▲	1
3	Bearing 6204	▲	2	23	Lock nut M18	**	1
4	Big wheel 180x50	▲	1	24	Washer 18	**	1
21	Washer	▲	1	25	Adjust bolt kit	MH5RRY916G	1
22	Lock nut M12	▲	1	Every stacker has total 2 "Adjust bolt kits"			
Every stacker has total 2 "Big wheel kits"				26	Chain	MH5RRY917G	1
5	Screw M6x10	**	4	27	Chain wheel	MH5RRY918G	1
6	Protect frame	*	1	28	Steering seat	MH5RRY919G	1
7	Wheel frame with brake	MH5RRY913G	1	29	Washer	*	1
7A	Wheel frame	*	1	30	Bearing 30205	**	1
8	Chain wheel	MH5RRY914G	1	31	Bearing 6205	**	1
9	Flat ket C6x6	**	2	Air spring assembly kit			
10	Washer	**	1	32	Shaft	▲	1
11	Bearing 30206	**	1	33	Retaining ring 10	▲	4
12	Bearing 6206	**	1	34	Shaft	▲	1
13	Cover	*	1	35	Retaining ring 12	▲	2
14	Screw M10x16	**	1	36	Shaft	▲	1
Brake assembly kit				37	Sleeve	▲	2
15	Brake	▲	1	38	Air spring	▲	1
16	Spring	▲	1	39	Handle	MH5RRY921G	1
17	Bolt	▲	1	40	Caster kit	MH5RRY908G	1

(▲) Available as part of a kit only.

(*) Not available as repair part.

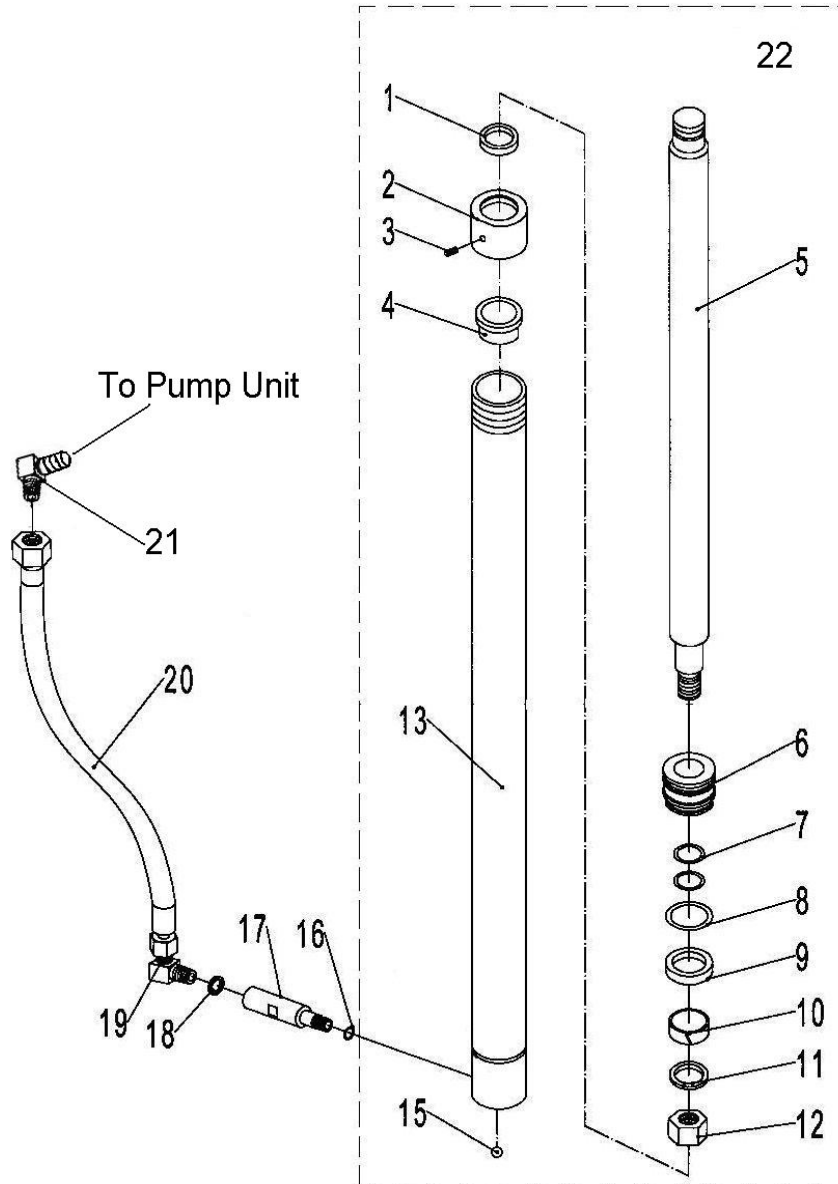
(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 15a – Repair Parts Illustration for Stacker Hydraulic System (Model 5RRY5, 5RRY6, 5RRY8, 5RRY9, 5RRZ0, 5RRZ1, 5RRZ2, 5RRZ4, 5RRZ5 and 5RRZ6)

Repair Parts List for Stacker Hydraulic System

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
	Screw cover assembly kit	MH5RRY926G		15	Steel ball 3/4"	**	1
1	Dust ring 40x48x6.5	▲	1		Safety valve assembly kit	MH5RRY929G	
2	Screw cover	▲	1	16	O - ring 18x2.4	▲	1
3	Screw M6x6	▲	1	17	Safety valve	▲	1
4	Sleeve	▲	1		Hydraulic hose assembly kit	MH5RRY930G	
5	Piston rod, 63" height	MH5RRY805G	1	18	Seal washer 16	▲	1
5	Piston rod, 118" height	MH5RRY927G	1	19	Joint	▲	1
5	Piston rod, 137" height	MH5RRZ103G	1	20	Hydraulic oil hose L=850	▲	1
	Piston assembly kit	MH5RRY928G		21	Joint	MH5RRY959G	1
6	Piston 50	▲	1	22	Hydrocylinder, 63" height	MH5RRY804G	1
7	O - ring 32x2.4	▲	2	22	Hydrocylinder, 118" height	MH5RRY931G	1
8	O - ring 50x3.1	▲	1	22	Hydrocylinder, 137" height	MH5RRZ102G	1
9	Y - ring 50x40x6	▲	1				
10	Holding ring 50x15x2.5	▲	1				
11	Elastic washer 24	**	1				
12	Nut M24x1.5	**	1				
13	Cylinder	*	1				

(▲) Available as part of a kit only.

(*) Not available as repair part.

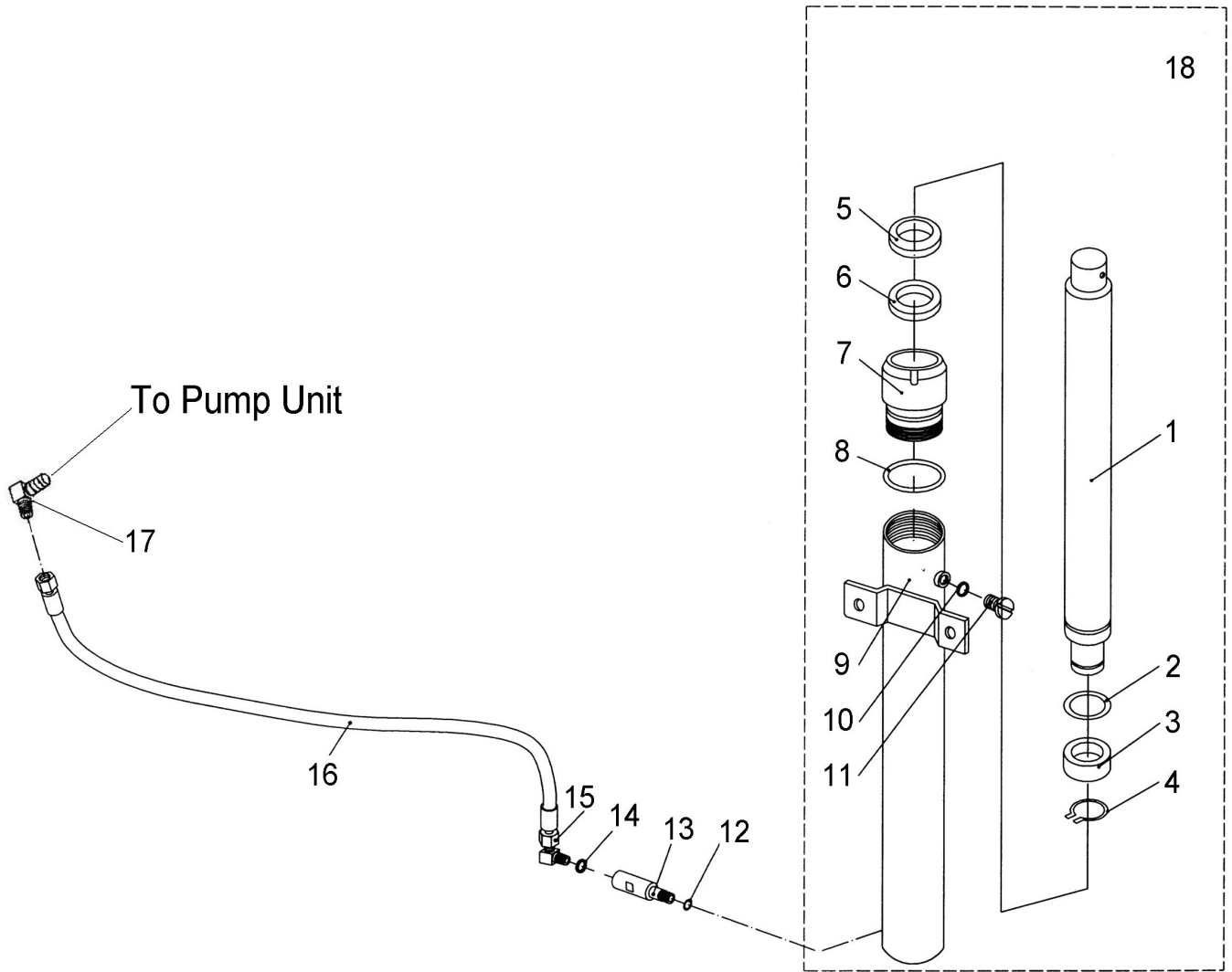
(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 15b – Repair Parts Illustration for Stacker Hydraulic System (Model 5RRY7, 5RRZ8, 5RRZ9, 5RTA0 and 5RTA1)

Repair Parts List for Hydraulic System

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
	Piston rod kit, 63"(5RRY7)	MH5RRY706G			Plug screw kit,	MH4ECX203G	
	Piston rod kit, 68"(5RRZ8,5RRZ9)	MH5RRZ806G		10	Seal washer 10	▲	1
	Piston rod kit, 80"(5RTA0,5RTA1)	MH5RTA001G		11	Plug	▲	1
1	Piston rod, 63" height	▲	1		Safety valve assembly kit	MH5RRY707G	
1	Piston rod, 68" height	▲	1	12	O - ring 18x2.65	▲	1
1	Piston rod, 80" height	▲	1	13	Safety valve	▲	1
2	Lock ring 30	▲	1		Hydraulic hose assembly kit	MH5RRY930G	
3	Piston	▲	1	14	Seal washer 16	▲	1
4	Lock ring 25	▲	2	15	Joint	▲	1
	Screw cover kit,	MH4ECX205G		16	Hydraulic oil hose L=850	▲	1
5	Dusting ring 30x38x5	▲	1	17	Joint	MH5RRY959G	1
6	Y - ring 30x40x6	▲	1	18	Cylinder kit, 63", 5RRY7	MH5RRY708G	1
7	Screw cover	▲	1	18	Cylinder kit, 68", 5RRZ8,5RRZ9	MH5RRZ807G	1
8	O - ring 40x3.1	▲	1	18	Cylinder kit, 69", 5RTA0,5RTA1	MH5RTA002G	1
9	Cylinder body	*	1				

(▲) Available as part of a kit only.

(*) Not available as repair part.

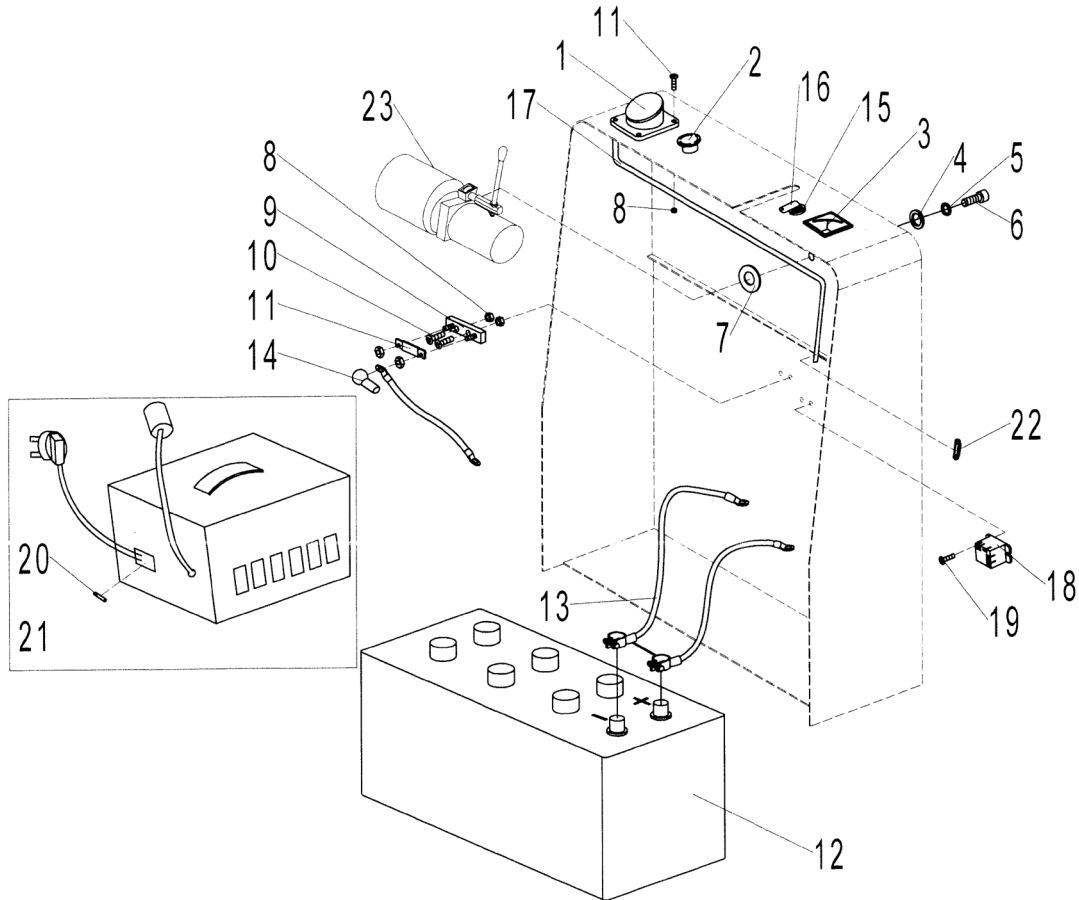
(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



ENGLISH

Figure 16 – Repair Parts Illustration for Electric box

Repair Parts List for Electric box

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Socket NM-1463	MH5RRY939G	1	14	Protect sleeve	MH5RRY947G	1
2	Emergency switch	MH5RRY940G	1	15	Power switch	MH5RRY948G	1
3	Battery indicator, DC24V	MH5RRY941G	1	16	Key for switch	MH5RRY949G	1
4	Washer 10	**	2	17	Cable	MH5RRY950G	1
5	Ealstic washer 10	**	2	18	Relay for charger, DC12V	MH5RRY951G	1
6	Screw M10x30	**	2	19	Screw M4x8	**	2
7	Washer 10	**	2	20	Fuse 5A	MH5RRY953G	1
	Fuse seat assembly kit	MH5RRY942G		21	Charger DC12V/18A	MH5RRY952G	1
8	Nut M5	▲	4	22	Fuse CNL-6A	MH5RRY954G	1
9	Fuse seat, SYY	▲	1	23	Pump unit, DC12V-1.6kw	MH5RRY955G	1
10	Screw M5x25	▲	2				
11	Fuse CNL-200A	MH5RRY943G	1				
12	Battery 12V/150Ah	MH5RRY944G	1				
13	Cable for battery, B+	MH5RRY945G	1				
13	Cable for battery, B-	MH5RRY946G	1				

(▲) Available as part of a kit only.

(*) Not available as repair part.

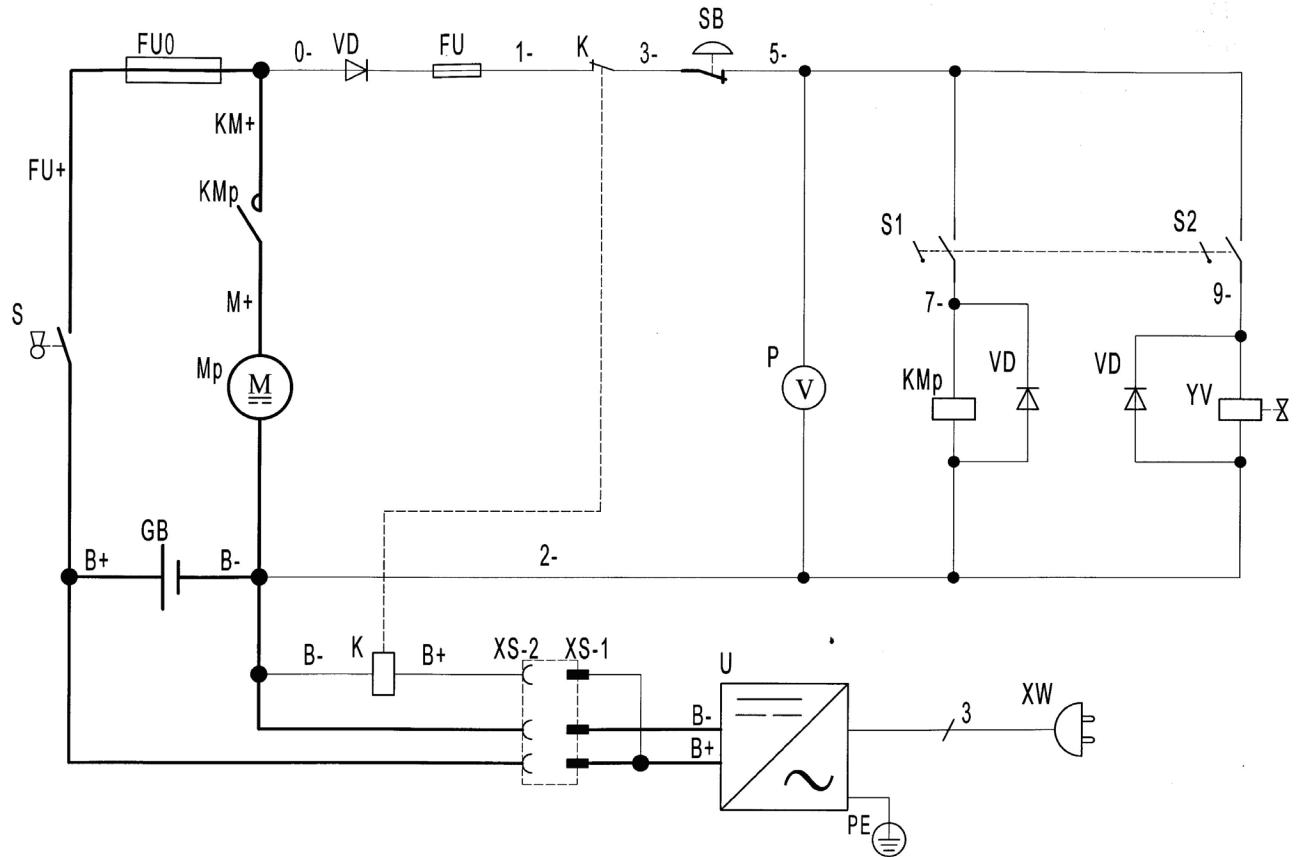
(**) Common hardware, not offered as a replacement part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



ENGLISH

Figure 17 – Repair Parts Illustration for Electric Diagram & Parts

Repair Parts List for Electric Diagram & Parts

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
XW	Wire for charger	*	1	VD	Diodes	*	1
PE	Cable for earthing	*	1	FU	Fuse CNL-6A	MH5RRY954G	1
U	Charger DC12V/18A	MH5RRY952G	1	SB	Emergency switch	MH5RRY940G	1
XS-1	Plug	*	1	P	Battery indicator, DC24V	MH5RRY941G	1
XS-2	Socket NM-1463	MH5RRY939G	1	S1	Microswitch for lifting	MH5RRY935G	1
K	Relay for charger, DC12V	MH5RRY951G	1	S2	Microswitch for lowering	MH5RRY934G	1
GB	Battery 12V/150Ah	MH5RRY944G	1	YV	Solenoid pilot actuated valve		
S	Power switch	MH5RRY948G	1		for lowering	MH5RRY933G	1
FU0	Fuse CNL-200A	MH5RRY943G	1				
KMp	Relay for motor	MH5RRY936G	1				
Mp	Motor,DC12V	*	1				

(▲) Available as part of a kit only.

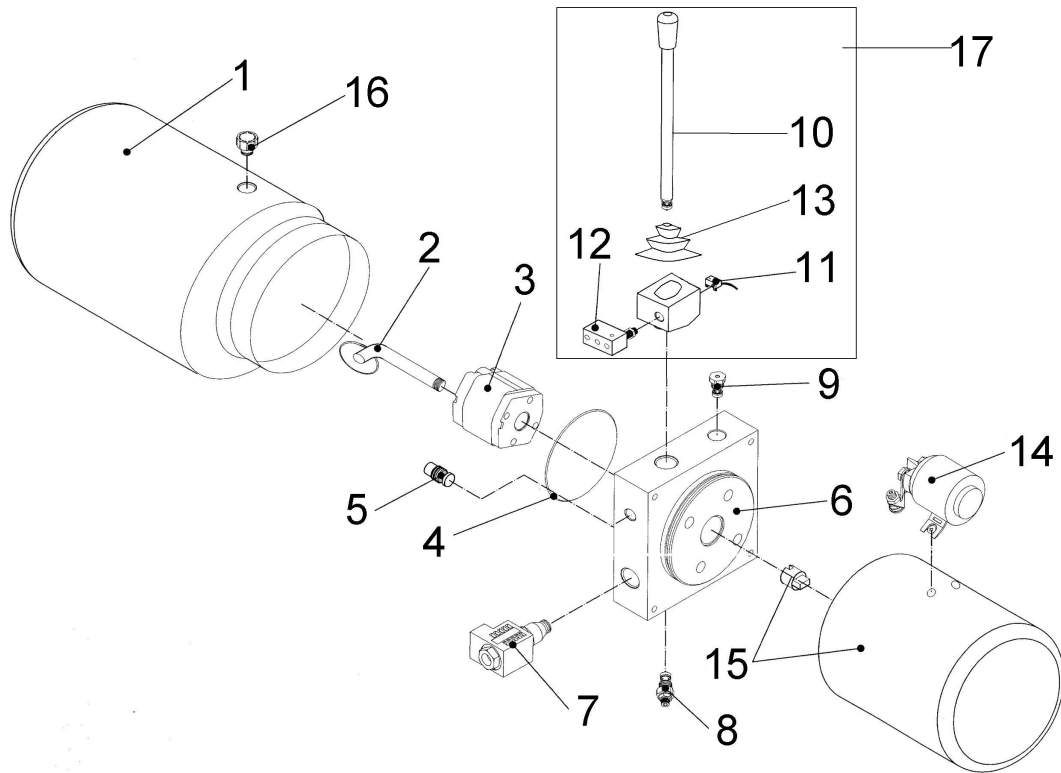
(*) Not available as repair part.

For Repair Parts, call 1-800-323-0620

24 hours a day – 365 days a year

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list



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Figure 18 – Repair Parts Illustration for Power pump unit

Repair Parts List for Power Pump Unit

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Oil tank	*	1	10	Control stick	MH5RRY956G	1
2	Suction pipe with filter	MH5RRY932G	1	11	Microswitch for lowering	MH5RRY934G	1
3	Gear pump	*	1	12	Microswitch for lifting (inside control valve kit)	MH5RRY935G	1
4	O - ring	**	1	13	Rubber boot	MH5RRY957G	1
5	Flow-control valve	*	1	14	Relay for motor	MH5RRY936G	1
6	Fix plate for valve	*	1	15	Motor	*	1
7	Safety cut off valve	MH5RRY933G	1	16	Reservoir cap	MH5RRY937G	1
8	Spillover valve	*	1	17	Control valve kit	MH5RRY958G	1
9	One way valve	*	1				

- (▲) Available as part of a kit only.
 (*) Not available as repair part.
 (**) Common hardware, not offered as a replacement part.

Models 5RRY5 thru 5RRZ2, 5RRZ4 thru 5RRZ6, 5RRZ8 thru 5RTA1

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