



Forward this manual to all operators.  
Failure to operate this equipment as  
directed may cause injury and/or  
property damage.

## ASSEMBLY AND OPERATIONS MANUAL

**Model  
RP- 6KC**

**3.0 Ton (6,000 lbs)  
Paint Can Crusher**



### SHIPPING DAMAGE CLAIMS

When this equipment is shipped, title passes to the purchaser upon receipt from the carrier. Consequently, claims for the material damaged in shipment must be made by the purchaser against the transportation company at the time shipment is received.

### BE SAFE

Ranger™ Paint Can Crusher is designed and built with safety in mind. However, proper training and thoughtful operation on the part of the operator can increase your overall safety. DO NOT operate or repair this equipment without reading this manual and the important safety instructions shown inside.



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## WARRANTY POLICY

Ranger Products™ are backed by over 35 years of manufacturing experience. Every Paint Can Crusher bearing the Ranger™ name is sold with the following warranty.

- Each Ranger Product™ is warranted to be free from defects in workmanship and material for a period of one year from the date of shipment provided that a written claim for such defect is made within that time.
- This warranty does not cover damage or defects caused by carelessness of the operator, misuse, abuse or abnormal use which in any way impairs the proper functioning of the equipment or by the use or addition of parts not manufactured by Ranger Products™ or its suppliers.

THIS WARRANTY IS EXPRESSLY MADE IN LIEU OF ANY AND ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS OR A PARTICULAR PURPOSE.

If your Ranger Products™ machine is not functioning properly, call your Ranger Products™ dealer immediately. On some occasions, an independent contractor may be hired to do the repairs. Within the warranty period, a customer should not hire his own contractor unless it is authorized in writing by Ranger Products™.

If it is necessary to return equipment for repairs, your dealer will so advise you. When returning equipment for repairs, empty and thoroughly clean out the tank, see that machines are properly crated and protected, and prepay transportation.

Defective parts replaced at no charge must be returned to your dealer or Ranger Products™ within 60 days of the date that the replacement parts are shipped; otherwise, you must pay for the replacement parts at the current selling price.

# WARNING!

**FAILURE TO HEED THE FOLLOWING WARNINGS MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE.**

Read and understand all warnings, cautions, and instructions before operating this equipment.

1. Use the crusher on a level and firm surface only.
2. Do not attempt to crush aerosol cans, cylinders of compressed gas, fuel filters, or containers of flammable liquids or solvents.
3. Do not alter or modify any part of this equipment.
4. Do not smoke when operating this unit and do not operate this unit when someone else in the vicinity is smoking.
5. When loading and unloading cans, always remove the lid and load cans with the open end down.
6. Clear up any spilled oil immediately so it will not cause a slipping hazard.
7. Do not stack cans inside the crushing chamber.
8. DO NOT open the door while the unit is operating. Always wait for the crusher to cycle completely.
9. Leave the door ajar when not in use.
10. Air pressure required is **140 psi to 160 psi**, should not exceed maximum pressure **160 psi**.
11. Always wear safety glasses when operating the crusher.
12. Always wear suitable industrial gloves when handling crushed objects to prevent injury.
13. Check equipment regularly for proper operation and repair or replace worn or damaged parts immediately.
14. Any crusher that appears to be damaged in any way, is badly worn, or operates abnormally shall be removed from use until repairs are made. Use only manufacturer's approved accessories and service parts.

## Specifications

100% air Operated, reduces cans to 20% of their original size.

Max. crushing pressure	3.0 tons (6,000lbs)		
Time to crush can	20 seconds		
Working Stroke:	350mm		
Air supply:	140 -160 psi		
Total weight	55kgs		
Overall width	380mm	Chamber width	340mm
Overall depth	305mm	Chamber depth	265mm
Overall height	930mm	Chamber height	380mm

## Assembly

1. Insert the Hose (another end of hose has been connected to the Control Valve, #32) into coupler on the Filter/regulator #29 and tight the coupler nut.
2. Secure the Filter/regulator, #29 to the Fixed Base #28 with Screw #30.
3. Place the handle #34 through hole on the door #21 from outside, then secured with Nut. Put the latch on the handle from inside of the door, secured with the Screw. Check the handle if turns smoothly.

## Before Operation

Prior to operation a visual Inspection shall be made. Check crusher for leaks, worn or missing parts.

Any crusher that appears to be damaged in any way, is badly worn, or operates abnormally shall be removed from use until repairs are made. Contact a factory authorized service center for repair or maintenance of the crusher.

## Operation

- 1) Connect air supply to the Air Insert Plug. Turn the external air supply on.
- 2) Open the door and place empty can in center of chamber. Please note the lid must be removed; place in the chamber with the open end down.
- 3) Close the door and latch it firmly.
- 4) **Please note: The door must be closed, to activate control valve #32 active.** Turn the knob on the Control Valve #32 clockwise to left position. The piston will descend to crush the can. When the red line on the indicating rod lowers into the chamber, or you hear the air stop flowing (up to about 20 seconds), the can should be fully crushed
- 5) To remove the crushed paint can, turn the knob on the Control Valve #32 counterclockwise to right position, the air will exhaust from the ram cylinder. The door will not open until the piston is fully raised or retracted.
- 6) Open the door to remove the crushed can from the crushing chamber.
- 7) Place the knob in "Off" (middle) position when the unit is not in use.

### **Please note:**

1. It is necessary to remove the catch basin and clean it periodically. Deposit solid residue in acceptable containers.
2. Never open the door during the crushing cycle.
3. A crushed can may have jagged metal edges. Use industrial work gloves to protect operator's hands when handling a crushed can.
4. Leave the door ajar when not in use.

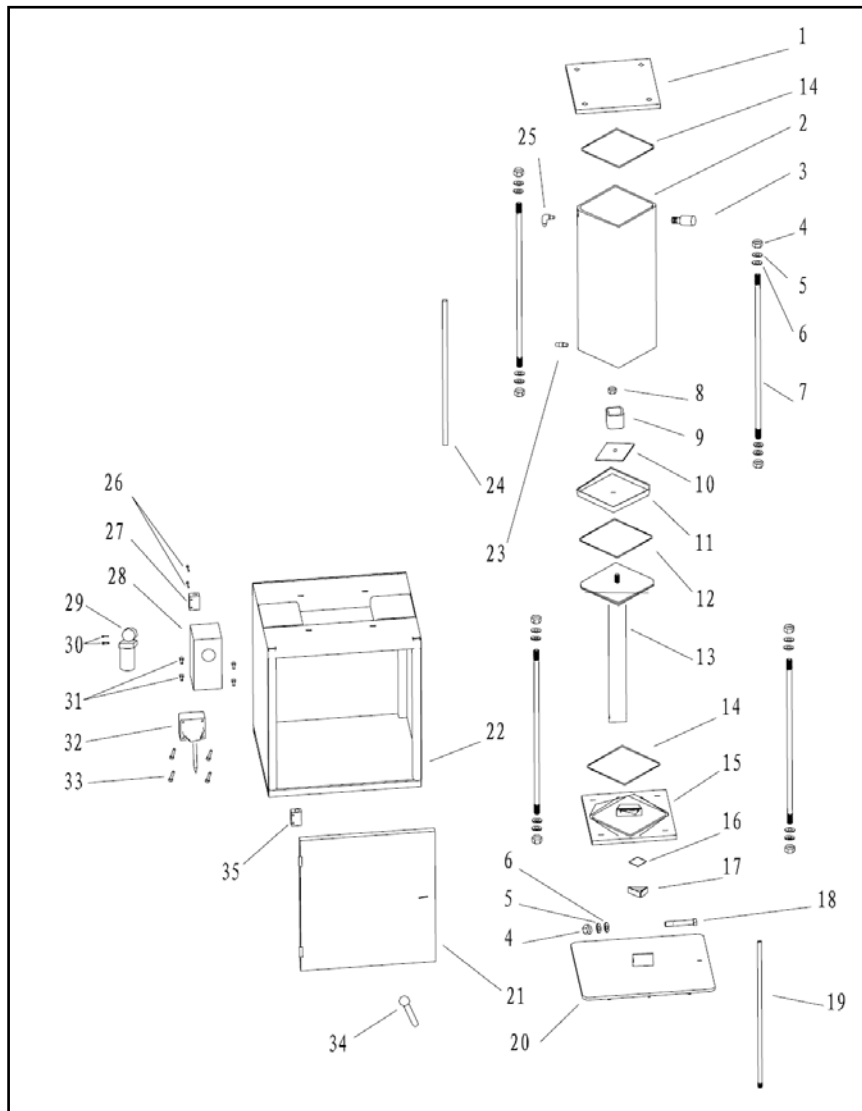
## Maintenance

Regularly check the water filter for water, drain as required.

Regularly clean the crusher chamber to remove any accumulated sludge, metal particles or any other debris that could affect the crusher operation.

Apply grease to door hinges on a regular basis to prevent the door from binding. Apply motor oil to door latch pivot points on a regular basis to prevent latch from binding.

## Diagram and Parts List



No	Description	Qty	No	Description	Qty	No	Description	Qty
1	Upper Cylinder Cover	1	13	Piston Assembly	1	25	Adapter	1
2	Cylinder	1	14	O-ring	2	26	Screw	2
3	Safety Valve	1	15	Lower Cylinder Cover	1	27	Air Vent Valve	1
4	Nut	9	16	O-ring	1	28	Fixed Base	1
5	Spring Washer	9	17	Guiding Ring	1	29	Filter/regulator	1
6	Flat Washer	9	18	Bolt	1	30	Screw	2
7	Tie Rod	4	19	indicating Rod	1	31	Screw	4
8	Nut	1	20	Press Plate	1	32	Control Valve	1
9	Bushing	1	21	Door	1	33	Screw	4
10	Plate	1	22	Frame	1	34	Door Handle	1
11	Seal	1	23	Adapter	1	35	Control Valve	1
12	O-ring	1	24	Air Hose	1			