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RC7095 Maintenance guide

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Introduction

- **Overview:**

This document contains step-by-step disassembly and reassembly instructions for RC7095. The instructions are illustrated where necessary with images of the part that is being removed, disassembled or reassembled.

- **Disassembly Instructions:**

When disassembling the tool, follow these general rules:

Use proper tools and jigs to disassemble the tool.

If necessary, wear safety glasses, gloves and any other protections to avoid physical hazard.

- **Reassembly Instructions:**

Reassembly is the reverse of the disassembly process.

Use proper tools and jigs to reassemble the tool.

Use care to ensure that all components are returned to their proper positions.

Use proper tools to tighten all bolts and nuts at specified torque.

Check that everything is properly installed and tightened.



Jig List



Handle disassembly

- Step 1: Unscrew Handle counterclockwise.
- Step 2: Remove Handle Ring.



Vacuum Adaptor disassembly

- Step 1: Open Air Inlet counterclockwise by using a wrench 17mm. It is necessary to counterhold the housing with a wrench 37mm or similar tool.



- Step 2: Open Screw counterclockwise by using an allen wrench 3mm.



- Step 3: Remove Vacuum Adaptor.



Valve disassembly

- Step 1: Remove Cone Muffler by using a screwdriver or similiar.



- Step 2: Remove Pin by using punch and hammer to remove Trigger.



- Step 3: Open Regulator Valve counterclockwise by using a wrench 12mm.



Valve disassembly

- Step 4: Remove Spring and Valve Stem with O-Ring.



Front Housing disassembly

- Step 1: Remove Protection Rubber.
- Step 2: Open Screw counterclockwise by using an allen wrench 3mm.
- Step 3: Push Cover to the front and remove it.



Front Housing disassembly

- Step 4: Open Screws counterclockwise by using a screwdriver PH1.
- Step 5: Open all Screws on the other side counterclockwise.
- Step 6: Give a soft hit on Belt Drive Shaft to split the Housing.



Front Housing disassembly

- Step 7: Split the Housing completely.



Belt Drive disassembly

- Step 1: Remove Nut Set.



- Step 2: Remove Motor Housing.



- Step 3: Remove rear Belt Drive Shaft Kit.



Belt Drive disassembly

- Step 4: Remove front Belt Drive Shaft Kit.
- Step 5: Remove Belt.



Gear Box disassembly

- Step 1: Open Screw counterclockwise by using an allen wrench 2mm. It is necessary to counterhold the Spindle with a flat wrench 14mm.



- Step 2: Remove Bevel Gear.



- Step 3: Remove Sliding Key.



Gear Box disassembly

- Step 4: Open Gear Box Housing counterclockwise by using a wrench 38 mm.
- Step 5: Push out Bearing by using a punch. No hammer necessary.
- Step 6: Remove Gear Box from Motor.



Gear Box disassembly

- Step 7: Remove Washer.
- Step 8: Remove Gear Plate from Ring Gear.
- Step 9: Push out Bearing by using a punch. No hammer necessary.



Gear Box disassembly

- Step 10: Push out Pins by using a punch. No hammer necessary.
- Step 11: Remove Idler Gears.



Motor disassembly

- Step 1: Pull out Motor from Motor Housing.
- Step 2: Remove Front End Plate with soft hits on Rotor Shaft.
- Step 3: Remove Bearing from Front End Plate by using a punch. No hammer necessary.



Motor disassembly

- Step 4: Remove Cylinder.



- Step 5: Remove Rotor Blades.



- Step 6: Remove Rotor from Rear End Plate by using a punch and hammer.



Motor disassembly

- Step 7: Remove Bearing from Rear End Plate by using a punch and hammer.



Reassembly instructions

- Reassembly is the reverse of disassembly process.
- Use proper tools and jigs to reassemble the tool.
- Make sure that all components are strictly clean.
- Use care to ensure that all components are returned to their proper positions.
- Assemble motor parts with air oil. This helps to avoid damages at test run.
- Assemble gear box and with grease.
- Observe tightening torque information on exploded view.
- Check that everything is properly installed and tightened.





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