



Asphalt Kingdom

Parts Manual RBHGX



MAKING THE HARD PARTS EASIER!



OWNER'S AND SERVICE MANUAL: BENSINK ROTARY BROOM MODEL RBHGX HYDRAULIC UNIT

Thank you for your purchase of one of our Bensink Rotary Brooms. Our goal at Bensink Manufacturing is to make “the hard parts easier!” We don't manufacture our products to create a market, but to fill a need. We hope you'll agree that it does make your work easier.

BEFORE YOU START!

Fill engine with oil: 10 w 30 approx. ½ quart

Fill hydraulic reservoir (chrome cap) with standard tractor hydraulic oil: approx. 4.7 gallons

Check both oil levels after you first run unit. The hydraulic oil needs to work through the system (filter and hoses). Check for any oil leaks. Check oil levels daily.

OPERATING THE RBHGX MODEL

Always start unit with valve handle in neutral position. For best performance, try running engine at fast idle while cleaning. Adjust according to cleaning application needs.

Always hook up red engine safety shutoff clip while operating unit.

Wear protective goggles and ear protection and additional safety wear required at job site.

When engaging broom rotation, broom head should be slightly off the ground. Once broom is engaged, lower to ground for cleaning or crack cleaning operation.

TO CHANGE RBHGX FROM CLEANING MODE TO CRACK CLEANING MODE

1. remove left tire (standing behind unit) from the axle.
2. replace with smaller flat free tire included with unit and replace hair pin cotter
3. frame is now angled
4. run lower side of broom in cracks to clean out debris
5. replace with large wheel to return back to standard cleaning mode



MAINTENANCE

- Service Honda engine per manufacturer's recommendations
- Replace hydraulic filter per manufacturer's recommendations

REPLACING BROOM HEAD

Broom is removed from the under side

1. remove 3/8 x 3" safety bolt from shaft hub assembly
2. remove 1/4" bolts from taper lock hub and install in threaded holes of hub
3. evenly and slowly tighten 1/4" bolts until hub is released
4. once released, re-install 1/4 bolts loosely in original position and remove hub and broom assembly
5. make sure 1" shaft spacer remains on shaft
6. remove (4) 3/8" flat head bolts and nuts from broom head using 7/32" allen wrench and remove mounting plate

Install new broom (do not over tighten allen bolts) and re-assemble, 1st re-installing 3/8 x 3" shaft bolt and carefully tighten taper lock hub bolts

Parts List

| Part | Description | Part Number | Qty |
|--------------------|---|-------------|-----|
| Engine RBHGX | Honda Industrial Engine GX160 | RB2000 | 1 |
| Broom | Main Broom | RB1002 | 1 |
| Tires | Flat Free Tires | RB1003 | 2 |
| Safety Pin | Safety Pin for Handle Arm adjustment | RB1006 | 2 |
| Black Lever Handle | Lever Handle to tighten Handle Bars | RB1007 | 1 |
| Wheel Cotter Key | Cotter Key to hold wheels in place | RB1008 | 2 |
| Wheel Washer | Washer for holding wheel in place | RB1009 | 2 |
| Handle Bar plug | Black plastic plug on Handle Bars | RB1010 | 2 |
| Grips | Rubber Grips on Handle Bars | RB1011 | 2 |
| Bolt | Main Broom Bolt to mount on Motor Shaft | RB1015 | 1 |
| Nut | Nylock Nut (Main Broom Bolt) | RB1016 | 1 |
| Bolt | Broom Mount Plate Bolts | RB1021 | 4 |
| Nut | Nylock Nut (Broom Mount Plate) | RB1022 | 4 |
| Bolt | Main Bearing Bolts | RB2001 | 4 |
| Nut | Nylock Nut (Main Bearing Bolts) | RB2002 | 4 |
| Bolt | Pump Adapter Bolts Engine Side | RB2003 | 4 |
| Bolt | Pump Adapter Bolts Pump Side | RB2004 | 4 |
| Lock Washer | Pump Adapter Engine and Pump Side | RB2005 | 8 |
| Bolt | Filter Mount Bolt | RB2006 | 2 |
| Bolt | Hydraulic Motor Mounting Bolts | RB2007 | 4 |
| Bolt | Hydraulic Valve Mounting Bolts | RB2008 | 3 |
| Washer | Hydraulic Valve Mounting Washers | RB2009 | 3 |
| Coupling | Engine Shaft Coupling | RB2010 | 1 |
| Coupling | Pump Shaft Coupling | RB2011 | 1 |
| Coupling Insert | Rubber Insert for Couplings | RB2012 | 1 |
| Hydraulic Pump | Hydraulic Pump | RB2013 | 1 |
| Pump Adapter | Mounts Pump to Engine | RB2014 | 1 |
| Control Valve | Control Valve for Broom | RB2015 | 1 |
| Filler Cap | Hydraulic Tank Filler/Breather Cap | RB2016 | 1 |
| Filter | Hydraulic Oil Filter | RB2017 | 1 |
| Broom Motor | Hydraulic Broom Motor | RB2018 | 1 |
| Tapered Bushing | Tapered Bushing for Broom Mount Plate to mount on Motor Shaft | RB1025 | 1 |
| Main Frame | Orange Main Frame of unit | RB2019 | 1 |
| Broom Plate | Plate used to Mount Broom to Motor Shaft | RB1027 | 1 |
| Handle Arm | Main Black Arm from Frame to Bars | RB1028 | 1 |
| Handle Bars | Chrome Handle Bars | RB2020 | 1 |

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|-----------------------|--|---------------|----------|
| Hose | Hydraulic Pressure Side Hose Labeled “A” | RB2021 | 1 |
| Hose | Hydraulic Pressure Side Hose Labeled “B” | RB2022 | 1 |
| Hose | Hydraulic Pressure Side Hose Labeled “Pressure” | RB2023 | 1 |
| Hose | Hydraulic Return From Filter to Tank | RB2024 | 1 |
| Hose | Hydraulic Return From Valve to Filter | RB2025 | 1 |
| Hose | Hydraulic Pump Supply From Tank to Pump | RB2026 | 1 |
| Hose Protector | Mesh Hose Protector Large | RB2027 | 1 |
| Hose Protector | Mesh Hose Protector Small | RB2028 | 1 |
| Hose Clamp | Hose Clamp for Holding Hydraulic Lines | RB2029 | 6 |
| Kill Chord | Kill Switch Tether Chord | RB2030 | 1 |
| Kill Chord | Kill Switch Assembly | RB2031 | 1 |
| Spacers | Main Broom Bearing Spacers | RB2032 | 4 |
| Motor Mount | Main Broom Motor Mounting Plate | RB2033 | 1 |
| Motor Shaft | Main Broom Shaft (Motor to Broom) | RB2034 | 1 |



