

Smart Products

Operators Manual - Portable Dismantler



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Portable Dismantler - Installation Instructions

- Your Portable Dismantler is delivered to you ready for operation.
- If the machine was delivered to your facility on a skid, you will need to install the “tongue/hitch” used to tow the machine. With the ball end of the hitch/coupler facing down, the tongue (with swivel jack) is attached by use of three (3) bolts that are fastened to the lower tube frame of the machine. Tighten bolt/nuts securely before towing or operating machine.
- **NOTE: Your portable dismantler is powered by a 18 HP Robin gasoline engine. SEE separate “OWNERS MANUAL” from Robin for INSTRUCTIONS ON HOW TO OPERATE.**
- Fill gas tank with unleaded gasoline.
- Check level of engine oil.
- Check tire pressure of band saw tires. If necessary, inflate to recommended pressure of between 50 – 55 PSI.
- Close and secure doors of cabinets before operating.
- With the knob on the hydraulic hand pump closed and the hydraulic “ball” valve in the line open, tension the blade to 2000 PSI. Close hydraulic ball valve.
- Put on safety equipment, glasses, gloves, etc.
- Turn gas on by turning “shut-off” valve (located under gas tank).
- Start engine at fast idle using key start. May be necessary to “choke” when starting for the first time each day. Let engine run at low speed until engine has warmed. Turn off engine by turning key to off position.

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- Rev engine at “half” throttle when blade is new. Increase to higher throttle level as blade dulls.
- Place pallet on table, upside down.
- Using “toggle switch” located on top of cabinet (near engine), adjust table so that the gap between the stringer and the deck board of the pallet is about $\frac{1}{4}$ ” below the height of the blade.
- With the left corner of the pallet against the fence and at a slight angle (see “Visual Markings”), Operator #1 (or “O1”) places the right corner of the pallet at the blade. Slightly lift the right corner of the pallet and start the pallet into the blade. Push on the right corner until the center stringer gets to the blade. Lift the pallet until the blade enters the gap between the “center” stringer and the deck board and push the pallet into the blade. Repeat the same procedure for the last, or third stringer. O1 will then continue to “push” the pallet through the blade until “one-half” of the pallet is through the blade. Operator #2 (or “O2”) will then take control of the pallet and “pull” the pallet through the blade, “wiggling” the pallet from side-to-side, until all deck boards are dismantled.
- O2 then flips the pallet over the canopy guard back to O1 who then starts the pallet back through the machine, as described above, in order to dismantle the bottom boards of the pallet. While O1 is “reinserting” the pallet into the machine, O2 is clearing the machine of dismantled lumber. O1 will “push” the pallet again “one-half” way through the machine. O2 then “pulls” the pallet by the stringer “farthest” from the fence, then proceed to “pull” on the “middle stringer”, and lastly, “pulling” on the stringer closest to the fence.
- O1 and O2 will then clear the lumber from the table. O1 grabs another pallet and “repeats the process”.

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Portable Dismantler - Safety Instructions

- Read and understand all INSTRUCTIONS, WARNINGS, WARRANTIES, and MAINTENANCE PROCEDURES described and detailed in the OPERATING INSTRUCTIONS provided for your Robin gasoline engine.
- Read and understand all safety stickers and warnings located on the machine.
- Wear hearing and eye protection.
- Do not wear loose clothing.
- Keep away from blade.
- Doors must be in place before operating machine.
- Read and understand all Smart Products Operating Instructions.
- If the blade comes off during operation, shut off the engine before replacing the blade.
- If debris becomes wedged in the fence during operation, shut off the engine before clearing the debris.
- Do not reach your hands closer than 12 inches from the blade. See “Visual Markings” on the machine.
- Do not modify the machine in any way.
- Machine specifications:
 - Tire air pressure between 50 – 55 pounds PSI
 - Hydraulic blade tensioning at 2000 PSI

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Portable Dismantler - Limited Warranty

- **COVERAGE** - All parts and workmanship are covered by warranty for a period of one year from the date unit is delivered from factory. See Robin Instructions Manual for separate warranty from Robin on the gasoline engine.
- **TO QUALIFY FOR THIS WARRANTY** – Any Smart Products machine must be purchased from the sales department of Smart Products. Purchases from any other source will invalidate warranty.
- **WHAT SMART PRODUCTS WILL REPAIR OR REPLACE UNDER WARRANTY** – Smart Products will replace any defective parts or material from normal use during the applicable period. Warranty replacements will be made without charge for parts. Items replace under warranty become the property of Smart Products and must be returned within 10 days. All parts replaced under warranty will be considered as part of the original warranty period and any warranty on those parts will expire coincident with original product warranty.
- **TO OBTAIN WARRANTY SERVICE** – You must contact Smart Products, request warranty replacement and send defective part to us. We will send the replacement part at the time of request. However, in the event the defective part is not returned to Smart Products within ten (10) days, we reserve the right to bill for the part at full price. To receive replacement parts, please contact:

SMART PRODUCTS
3401 North Commerce Drive
Muncie, IN 47303
(765) 284-9545 or (800) 401-0099 – Fax: (765) 284-7270
E-Mail: smartpro@smartproductsinc.com

- **EXCLUSIONS** – This warranty does not extend to parts or materials misused or used for any other purpose than intended or by accident and/or collision, neglect, the incorporation of, or use of, unsuitable attachments or parts, the unauthorized alteration of any part, other than defects in material, workmanship or parts.
- **DISCLAIMER OF CONSEQUENTIAL DAMAGE** – Smart Products disclaims any responsibility for loss of time or use of any equipment, transportation, commercial loss, or any other incidental or consequential damage.

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Portable Dismantler- Installing a New Blade

Figure A



- Unfold new blade with teeth point toward the fence.
- To remove old blade, open the hydraulic ball valve.
- Open the hydraulic pump valve.
- Remove doors from the cabinet.
- Remove the old blade.
- Install the new blade and center it on the tires making sure the blade is between the guide bearings.
- Close the hydraulic pump valve.
- Pump to 1000 PSI.
- Start the machine and run for a few seconds.
- Check to see if the blade is centered on the tires. Teeth of the blade should be positioned between the 2nd and 3rd groove from the front of the tire. If not, go to Figure B on next slide.
- Check to see if blade is 1/16th inch from rear of back blade guide bearing.
- To adjust, loosen the blade guide adjusting handle and push the blade guide back.
- Run the machine for a few seconds.
- Check again to see if the blade is centered on the tires.
- Adjust the blade guide until the rear bearing is 1/16th " from back of blade.
- Perform these steps on both wheels.
- Pump the pressure to 2000 PSI.
- Close the ball valve.

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Portable Dismantler- Tracking the Blade

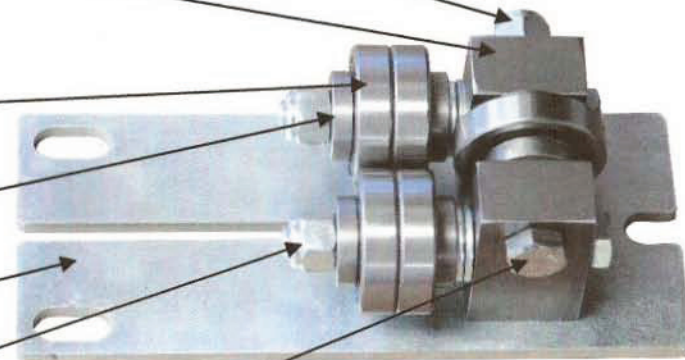
- To track the blade, you will use these four bolts at 12, 3, 6, and 9 o'clock.
- If the blade is running forward of center on the tire, loosen the blade guide adjusting handle and push the blade guides back. Do this on both wheels.
- With at least 1000 PSI on the hydraulic pump, run the machine for a few seconds to check the blade.
- Loosen the lock nuts on all four bolts.
- Hold a straight edge vertically on the face of the wheel and measure the distance at the top and bottom from the straight edge to the back of the cabinet. It should measure the same.
- If not, use the bolts at 12 and 6 to correct.
- Loosen on and tighten the other until the measurement is the same.
- To get the blade to run in the center of the tire, use the bolts at 3 and 9 to correct.
- Loosen one and tighten the other $\frac{1}{4}$ turn at a time.
- Run the machine for a few seconds and check.
- Repeat until blade is centered on tire.
- Tighten all four locknuts.
- Adjust blade guides until the rear bearing is $\frac{1}{16}$ th from the back side of the blade.



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Blade Guide Assembly (One In Each Cabinet)

- 3 – ½ -13 nylock nuts
- 2 – blade guide block
- 5 – blade guide bearing
- 6 – “T” bushing/insert
- 1-blade guide plate
- 2 - ½-13 x 4” bolt
- 1 – ½-13 x 3-¾” bolt



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Schedule of Common Spare Parts - per Machine

- 1 Robin Oil Filter
- 1 Robin Air Filter
- 2 Guide plates
- 6 Guide bearings
- 4 "T" bushings
- 2 Door straps
- 1 Wheel assembly
- 1 Tire
- 1 Hydraulic pressure guage
- 1 Hydraulic valve

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Band Saw Dismantler Blade Information

- Supplier: Country Saw & Knife, Inc.
- Contact: Rick or Steve Mercer
- Phone: 800-253-7379
- Blade: Morse
- Description: M42 Band, Bi-Metal Blade
- Length: 20 Feet
- Width: 1-1/4"
- Thickness: .042"
- "Set in Blade": 5/8 V/P