

GALLANT MANUFACTURING (2010)

HEAVY DUTY, MULTI-PURPOSE

GRINDERS SANDERS BUFFERS POLISHERS

REPAIRS & RE-CONDITIONING ABRASIVES CUSTOM SOLUTIONS

Owner's Manual

ROTOBELT

Model # 390

MANUFACTURERS
OF
ROTOBELT®
MADE IN CANADA

Phone: 604-253-1212 | Fax: 604-859-9931 | Email: info@gallantmanufacturing.com

Website: www.gallantmanufacturing.com

TABLE OF CONTENTS

CONTENT	PAGE
Set Up and Warranty	3
Safety Procedures if Equipped for Belt Sanding	4
Belt Installation, Belt Tracking and Maintenance	5
Trouble Shooting for Belt Sanding Operations	6
Part Numbers and Descriptions	7
Common Replacement Parts (PHOTOS)	8

SET UP OF YOUR NEW ROTOBELT MACHINE:

Immediately upon receipt of your ROROBELT machine, unpack and inspect for any possible freight damage. If you suspect any damage contact the carrier immediately.

Location of your machine should allow a small amount of room for rear access to change the abrasive belt.

The Model #390 can be mounted on stationary work bench, portable work bench or pedestal and on other equipment such as a lathe for specific operations. There are 6 mounting holes that will accept 5/16" bolts.

Wiring of this machine should be performed by a certified electrician. Check the name plate on the front of the machine to determine that your power requirements match. Have your electrician check your power source for "VOLTAGE DROP", as a lower voltage will cause lack of power when operating the machine.

Abrasive belt and contact wheel rotation must be counter clockwise when facing the right hand side of the machine, if not consult you electrician.

WARRANTY:

Your machine has a 5 year parts and labour warranty against manufacturer's defect. This warranty is null and void due to the following:

- Damage due to shipping.
- Normal wear due to use.
- Operator error that damage parts.
- Failure to follow set up procedure.

IF YOUR MACHINE IS EQUIPPED FOR BELT SANDING READ THE FOLLOWING

DUE DILIGENCE:

Before anyone operates this or any other equipment it is the responsibility of the supervisor to instruct the operator or operators on its safe operation.

Below are some standard safe operating procedures.

OPERATING SAFETY:

- Persons using the rotobelt machine must be thoroughly trained in its operation, as it is impossible to guard the operation completely.
- Remove any tools or parts you are working with that may get in the way.
- Remove any flammable objects from the work envelope.
- NEVER operate without guards in place
- Only use the correct sized belts.
- When operating this machine, always wear adequate eye protection, tight fitting gloves and clothing.
- Tie long hair back so it will not get it caught in any moving parts.
- Check sanding belt for damage prior to start up.
- On initial start up stand to the side, also stand to the side if possible when performing your job.
- NEVER work above the equator/centre of the wheel.
- When working on small parts always use a tool such as vice grips to hold work piece securely.
- Let wheel stop naturally, do not apply pressure to stop wheel.
- NEVER operate under the influence of drugs or alcohol.
- LOCKOUT machine when changing belts or doing any type of maintenance.

BELT INSTALLATION:

1. Pull tension lever toward the front of the machine, this will loosen the rear idler pulley.
2. Slide belt around the back of the sanding arm then around the front of the sanding arm.
3. Centre belt on the contact wheel and idler pulley.
4. Slowly release the tension lever back to its original place and lock.
5. Perform tracking operations.

NOTE: The guard DOES NOT need to be removed for installing or changing belts.

BELT TRACKING:

To track the belt, move the lever on the end of the idler pulley axle slowly by hand, either forward or back ward while machine is running. The tracking lever should move with only a small amount of force and stay in position after the operator has tracked the belt. The lever only needs to be moved a small amount for tracking to happen.

MAINTENANCE:

The abrasive dust build up should be blown off the contact wheel and idler pulley. We recommend doing this twice a week under heavy use.

The bearings used on this machine are sealed, and do not require lubrication.

The two V-Belts should be checked monthly for proper tension. To adjust tension you will need to adjust mechanism directly behind the electric motor.

TROUBLE SHOOTING:

PROBLEM:

- **Abrasive belt does not track properly.**

SOLUTION:

1. Install new idler pulley.
2. Remove idler pulley and sent to our facility for re-conditioning.
3. Check the edges of the contact wheel if they have a large radius this will cause incorrect tracking.
4. Replace contact wheel.
5. Remove contact wheel and send to our facility for re-covering.

PROBLEM:

- **Excessive vibration**

SOLUTION:

1. Check for abrasive dust build up on the contact or idler pulleys.
2. If there is dust build up remove using compressed air.
3. Check contact wheel for damage.
4. Adjust belt tension.

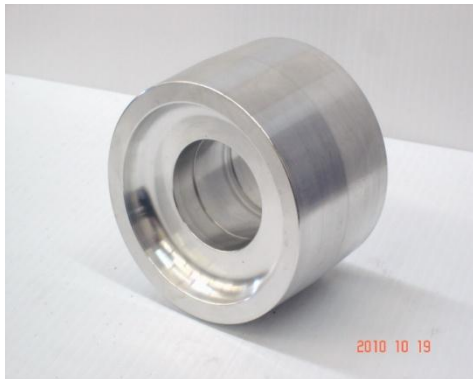
PARTS LIST

Part #	Description
390-MB	Mounting Base (assembled)
390-MSHSG	Main Shaft Housing
390-MS	Main Shaft
390-MSBRG	Main Shaft Bearings
390-MSBRR	Bearing Retaining Ring
390-3VX300	V-Belt 3VX300
390-VBG	V-Belt Guard
390-VBGB	V-Belt Guard Bracket
390-2GR3V 4.5	Motor Sheave
390-875	Motor Bushing
390-2GR3V 3.65	Main Shaft Sheave
390-875	Main Shaft Bushing
390-M	Motor 208/240/460/575
390-MSS	Manual Starter Switch 230V
390-MSS	Manual Starter Switch 575V
390-IC	Inner Collar
390-CW	10 x 3 Contact Wheel
390-OC	Outer Collar (washer)
390-MSNUT	Main Shaft Nut
390-STR	Stem Ring
390-BTGS	Belt Sanding Tube
390-BTL	Belt Tension Lever
390-SPS	Tension Spring
390-SPOR	O-Ring
390-SP	Sliding Pin
390-AIX	Alum Idler Axle
390-AIP	Alum Idler Pulley
390-IBRGSPAC	Alum Idler Bearing Spacer
390-IPBRG	Alum Idler Bearings
390-AIPBRR	Alum Idler Retaining Ring
390-NYN	1" Nylock Nut
390- GRD	Belt Guard
390-PLT	Platen Assembly
390-PLTG	Platen Guard
390-GRHPADS	Graphite Pad

COMMON REPLACEMENT PARTS



Part# 390-CW 10"x 3" Contact Wheel



Part # 390-AIP Aluminum Idler Pulley



Part# 390-AIX Idler Axle