



Commercial Food  
Preparing Machines  
E241294  
1385



# OWNER & OPERATOR INSTRUCTION MANUAL

**GBS-230A**



**GBS-270S**



## IMPORTANT SAFETY NOTICE

To ensure safe and trouble free performance of your new German Knife Meat saw Machine, We suggest that all personnel who will use and maintain the Meat saw read and understand the manual before operating the equipment. Should there be any questions or if we can be of further assistance, please call us toll free at (800) 500-3519.

For service contact:

German Knife Industries  
1-800-500-3519  
[www.turboairinc.com](http://www.turboairinc.com)



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## OPERATING AND SERVICE MANUAL FOR GERMAN KNIFE MEAT SAW MACHINE

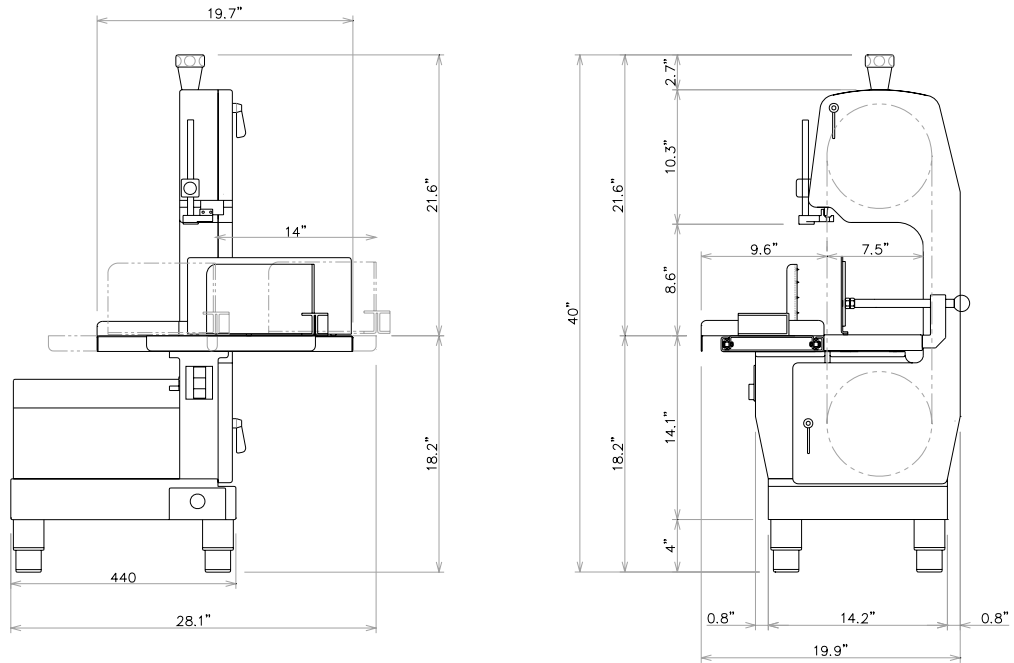
**WARNING TO ALL PURCHASERS, OPERATORS AND OPERATION SUPERVISORS :**  
FAILURE TO READ AND ADHERE TO THE FOLLOWING IMPORTANT INSTRUCTIONS COULD  
RESULT IN BODILY INJURY.

**NOTE TO ELECTRICIAN :** IF THIS MACHINE IS NOT CORD AND PLUG CONNECTED TO THE  
ELECTRICAL SUPPLY SOURCE, THEN IT SHOULD BE EQUIPPED WITH, OR CONNECTED TO, A  
LOCKABLE MANUALLY-OPERATED DISCONNECT SWITCH.

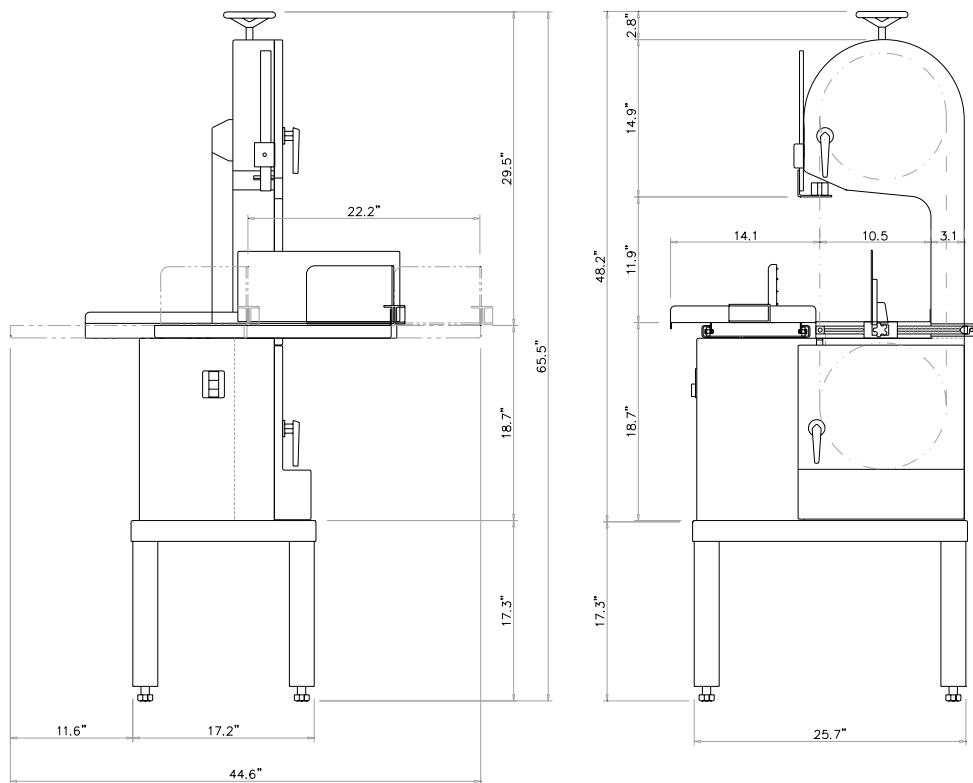
1. Do not electric wire this Meat Saw. Have only a qualified and certified electrician wire this Meat Saw as required. Be sure machine is grounded.  
Failure to ground this machine could result in electric shock.
2. Do not place machine on sloping floor. Always place machine on flat non-skid floor.
3. Do not use this Meat Saw for non-food products.
4. Do not attempt to operate this Meat Saw until this machine has been inspected and demonstrated by the seller recognized GERMAN KNIFE Representative.
5. Do not attempt to operate this Meat Saw unless you or the operator has been properly trained. Improper use or operation of this Meat Saw could result in bodily injury.
6. Do not leave Meat Saw in operation unattended.
7. Do not tamper, bypass, remove fixed guards, safety interlock electrical switches or any other safety device.
8. Do not at any time force feed product through this Meat Saw.
9. Do not alter or modify this Meat Saw in any way from its original form.
10. Always use safety pusher plate supplied with each Meat saw when cutting small product.
11. Do not touch moving blade or moving parts. Never place hand or arm between blade and head column structure.
12. Always disconnect power supply before removing shrouds, removable guards, covers, doors, fences, panels for servicing, cleaning or any other reason.
13. Use only GERMAN KNIFE parts and accessories properly installed, contact you nearest service agency or The GERMAN KNIFE CORP for authorized referral assistance.
14. Meat Saw operating manuals as supplied with this power cutter are available from GERMAN KNIFE.

## OUTER DIMENSION

GBS-230A



GBS-270S



## SPECIFICATION

Model		GBS-230A	GBS-270S
Dimension		19.8" x 28" x 37.5"	27.1" x 44.6" x 65.5"
Motor		AC120V x 1Phase x 3/4HP	AC120V x 1Phase x 1.5HP
Weight		88lbs	275lbs
Table	Stationary	7.6" x 19.7"	11" x 30"
	Carriage	13.8" x 22.4"	9.5" x 13"
	Loading	14"	22.2"
Leng of Saw Blade		65.5"(1665mm)	92.9"(2360mm)

## MOTOR WIRING

1. Interchange of current is made in motor outlet box. Changing instructions are on motor plate or motor outlet box.
2. All Meat Saw are wired 120 volts unless otherwise specified. Be sure motor specifications(voltage, cycle, phase) match power supply line. Be sure line voltage is up to specification.
3. Connect leads to machine in a manner that will be approve by local electrical inspectors.
4. We recommend not less than No. 12 wire, otherwise an overload condition may occur.
5. The V-Belt is packed loose in machine to prevent deformation, and must be installed of pulleys at time of wiring motor.
6. The **GERMANY KNIFE CORP** is not responsible for permanent wiring. connection or installations.

## ADJUSTMENTS

All adjustments have been made prior to shipping from factory.

1. Always pull out the plug from Outlet before following the procedure for adjustment.

2. Adjustment of saw blade : Hang saw blade on the upper and lower wheel.

(1) Turn the handle of the upper part of the machine clockwise to adjust tension.

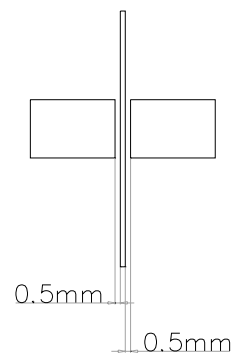
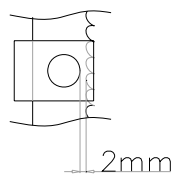
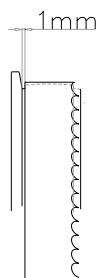
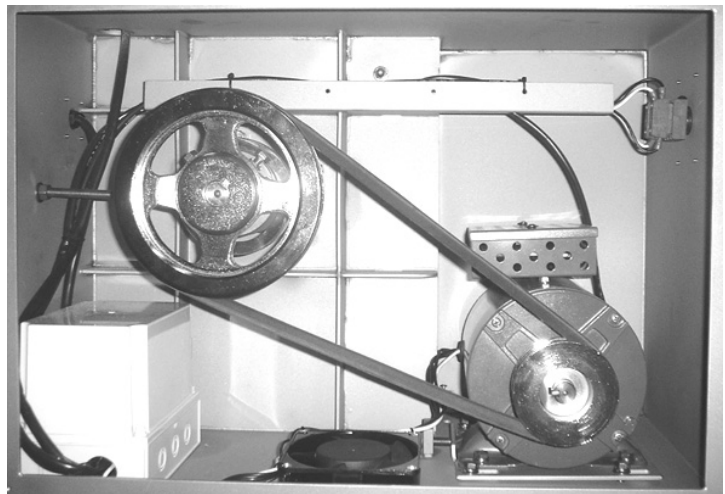
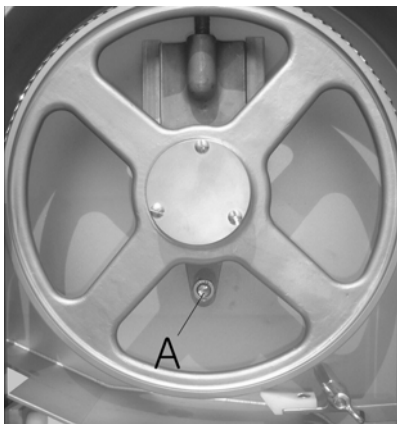
–GBS–230A : Turn until the sound with a bang occurs twice to three times.

(2) Adjust part A while rotating it little by little in order to accurately position Saw Blade.

Saw Blade is suitable to use when its distance between the back of the wheel side and the end of the back of Saw Blade is 1mm, and the distance between the Saw Guide and the back of the Saw Blade is 2mm.

3. Adjustment on V-Belt Tension

Appropriate tension should be maintained on V-Belt for smooth operation of the wheel.



## START

This machine has a magnetic safety switch installed to prevent running with the door open to break the electrical connection.

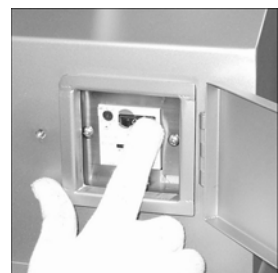
- Close the door and latch top and bottom. Insert electrical plug into outlet.
- Press the green "ON" button.
- Use the red "STOP" button (Located below the start button) when finished.



## WHEN THE MACHINE'S OPERATION IS BLOCKED DUE TO OVERLOAD

The motor has an overload switch in the control box located under the motor cover which can cause the motor not to start.

This can be reset in the event of a motor overload condition.



### Warning

- Make sure the area around the saw blade is clear before starting.
- Insure blade is properly positioned in the guides and on the upper and lower wheels.



## CLEANING

Clean the machine often and thoroughly at least once a day :

- Remove the saw blade, upper wheel door and rolling table from the machine.
- Clean the machine with a soft brush or cloth and water. Avoid water contact with electrical parts and motor area.
- Replace all remove parts when finished.
- There is a scrap box below the lower wheel. Empty when it is 2/3rds full and keep it clean.



### Warning

There are electrical parts under the motor cover. Avoid directing water on or around the motor cover. This can result in a short circuit and/or electrical damage of the machine.



## Changing Saw Blade

Be careful, Saw blade is SHARP!

- Push rolling meat carriage all the way back.
- Release the saw blade by rotating handle on the top of the machine counterclockwise.
- Remove the saw blade with care and install the new blade on the upper and lower wheels.

Note : The teeth on the bone blades should point down in the cutting section. If they don't point down, flip the blade inside out to correct.

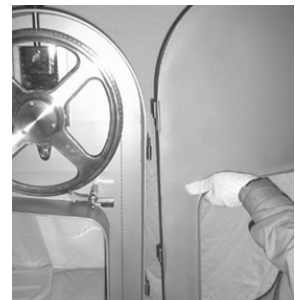
- Position the saw blade in the middle of the guides and insure the teeth of the blade is on the front side of each wheel.
- Tighten the blade by rotating the top handle clockwise. DO NOT OVER TIGHTEN Insure the blade is tracking properly by turning the top wheel by hand slowly. Be careful that your fingers are clear of moving parts!

Note : Over tightening the blade can cause premature failure. Improper blade tension can cause the blade to come off the wheels during operation.

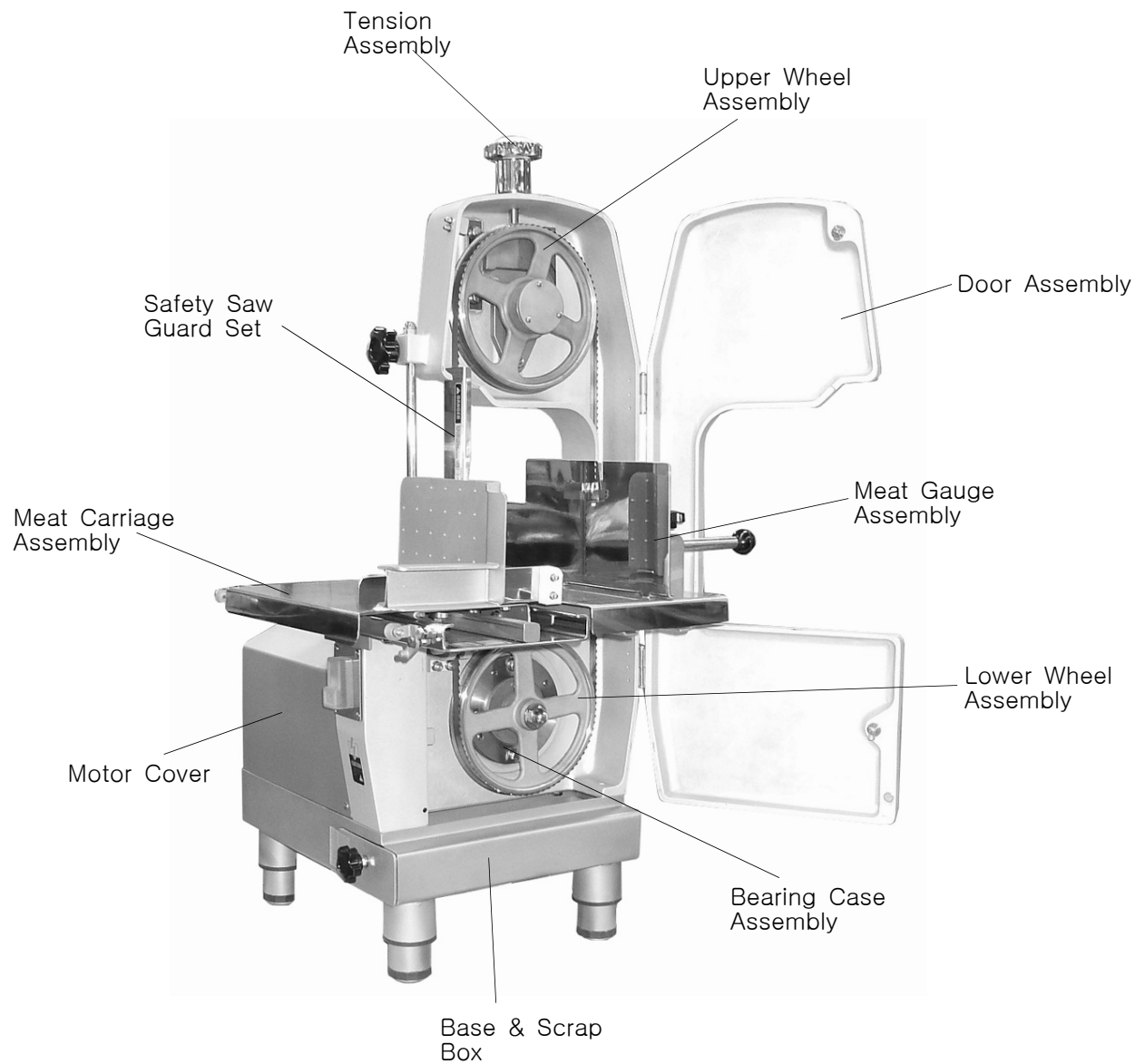


### Warning

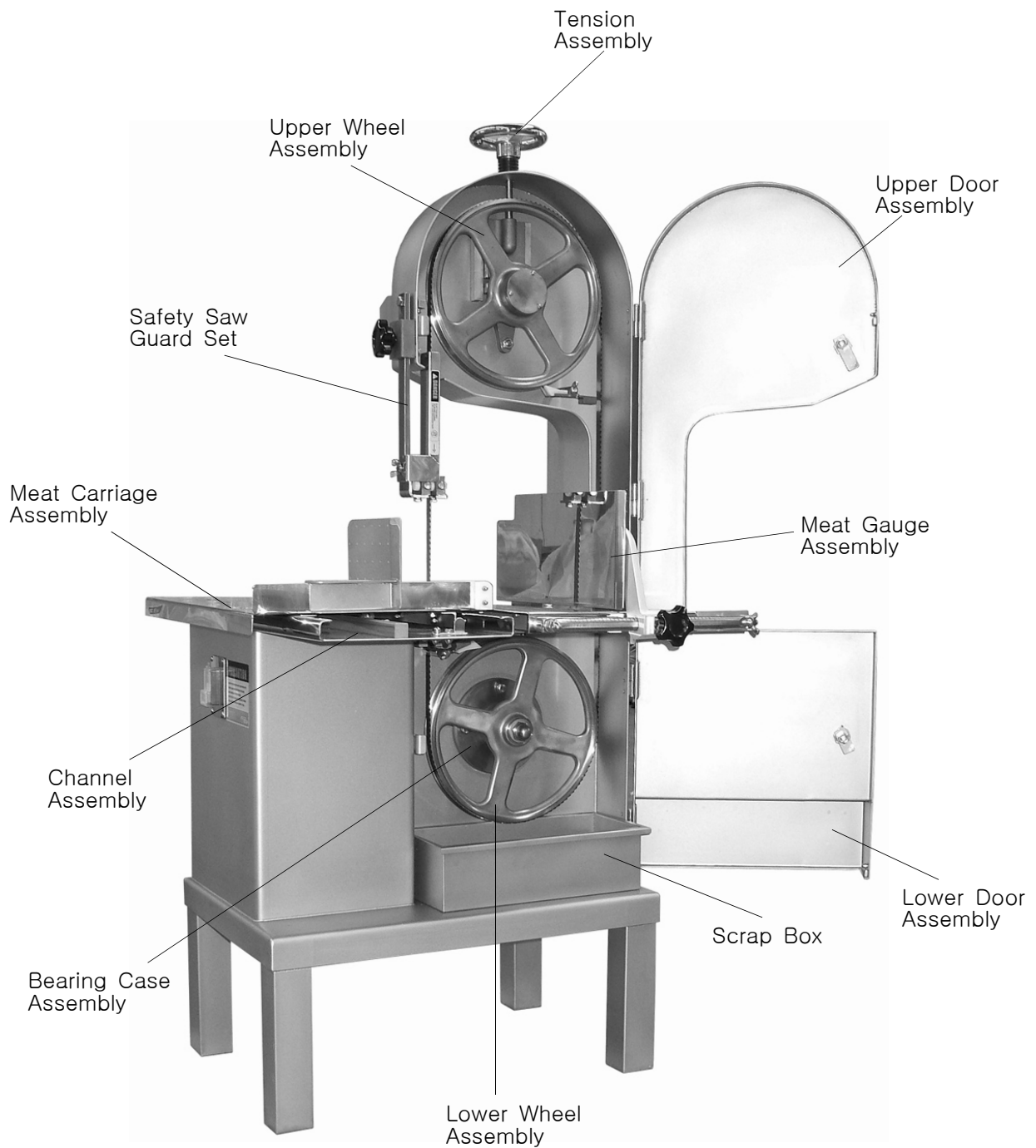
Be careful since saw blade is sharp. Safety gloves are recommended when handling. Remove power plug before changing blade.



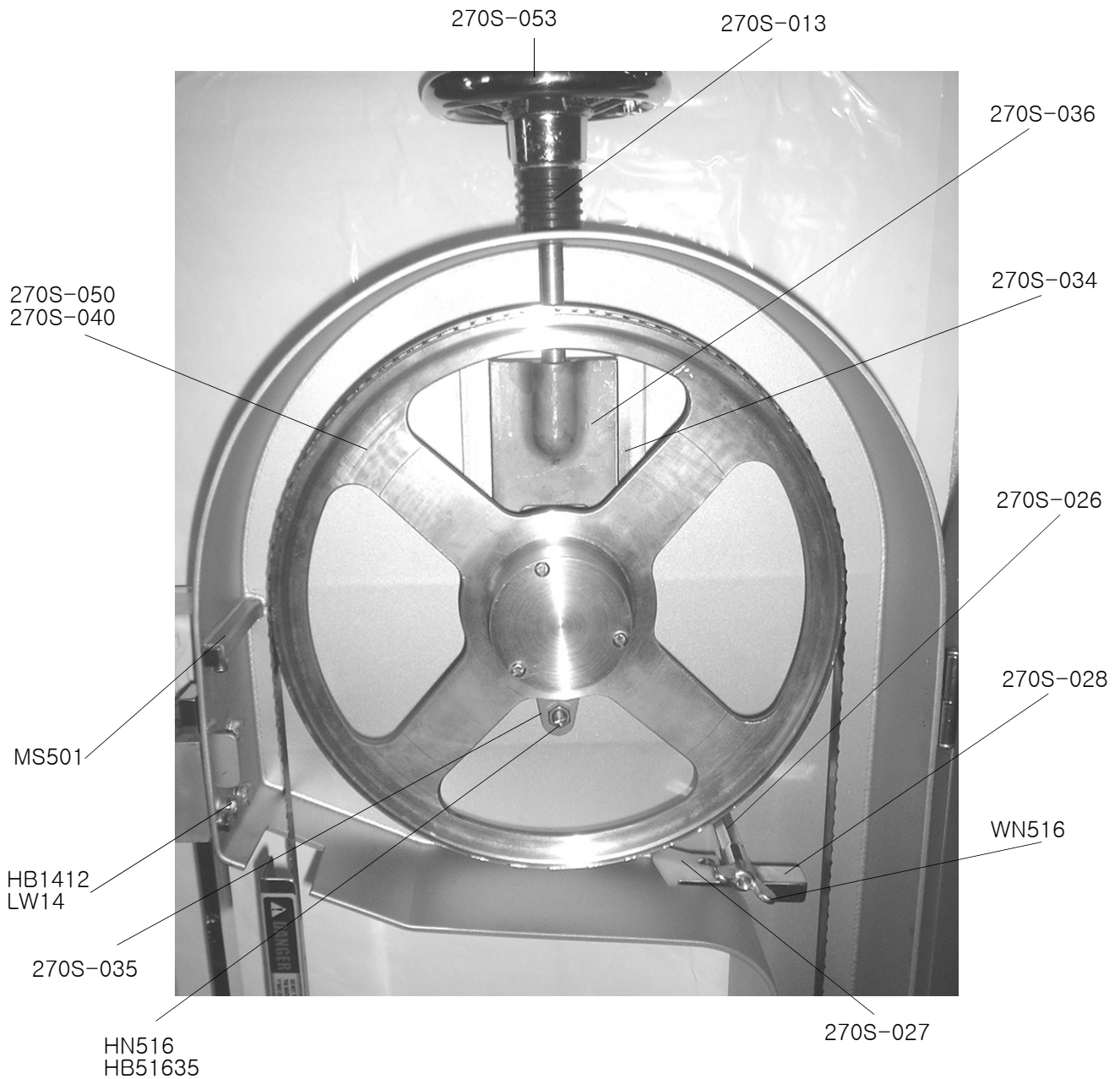
# GBS-230A



# GBS-270S

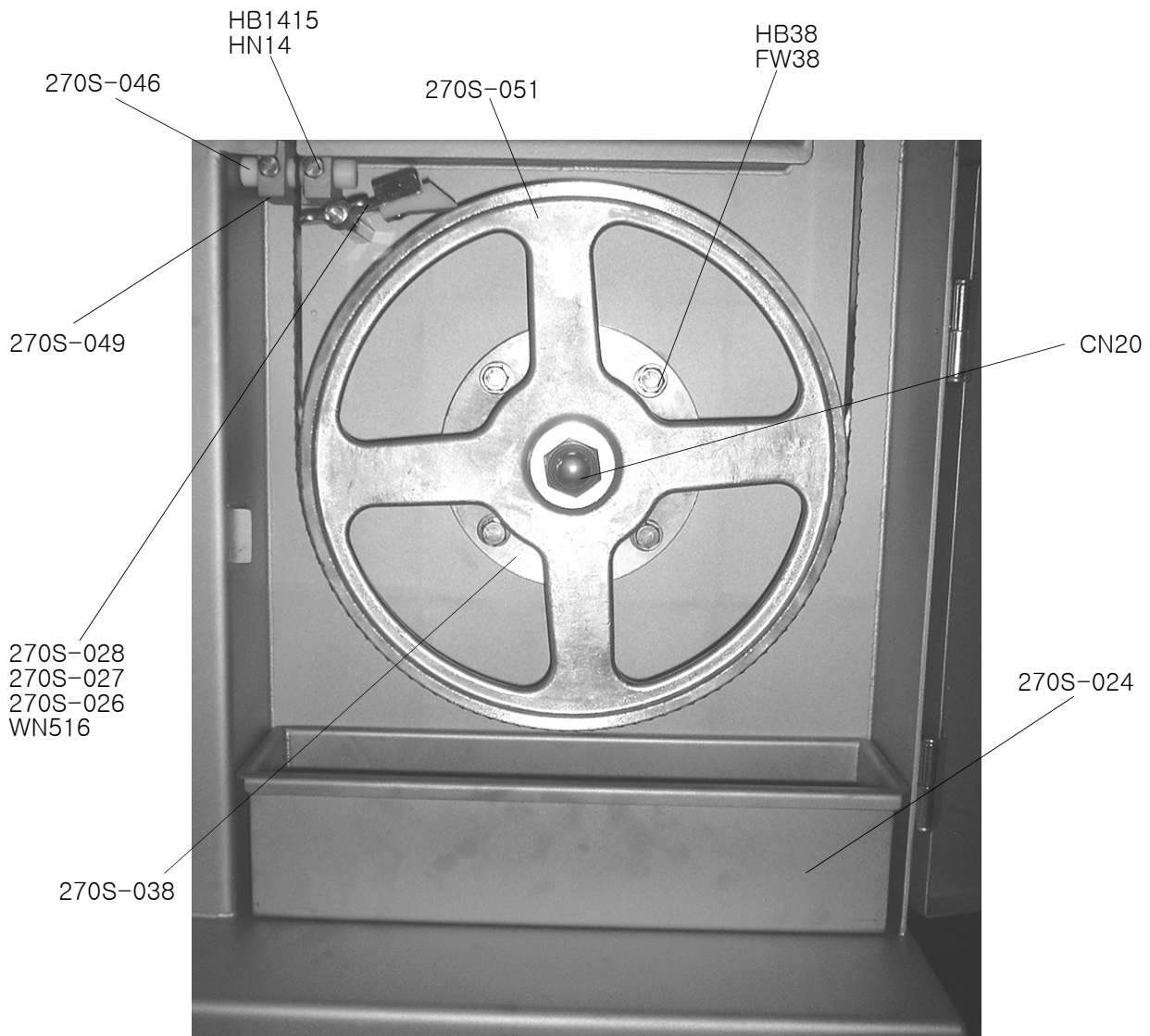


## UPPER SAW WHEEL PARTS



item no	Description	item no	Description
270S-050	Upper Saw Wheel Assy	270S-028	Upper Wheel Cleaner Bracket
270S-040	Bearing Cover	270S-035	Upper Wheel Hinge
270S-053	Tension Handle	270S-013	Tension Spring
270S-036	Upper Wheel Hinge Plate	270S-034	Upper Wheel Slide Gib
270S-027	Wheel Cleaner	270S-026	Wheel Cleaner Pin
HB51635	STS Hex Bolt W5/16 x 35	HB1412	STS Hex Bolt W1/4 x 12
HN516	STS Hex Nut 5/16	LW14	STS Lock Washer 1/4
MS501	Reed Sensor MS-501	WN516	STS Wing Nut 5/16

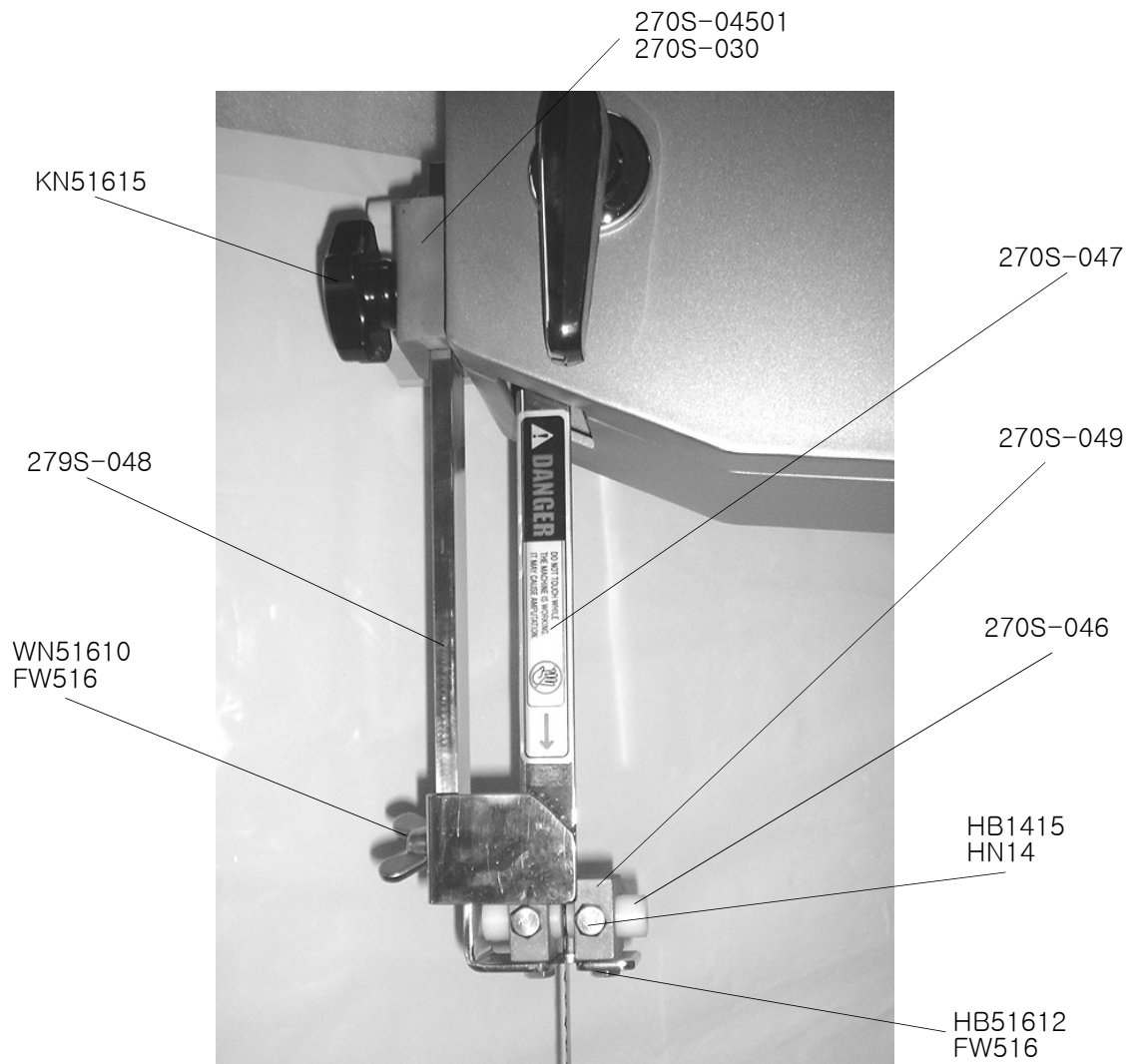
## LOWER SAW WHEEL PARTS



item	Description	item	Description
270S-051	Lower Saw Wheel	270S-024	Scrap Box
270S-049	Saw Guide Bracket	270S-046	Saw Guide
270S-026	Wheel Cleaner Pin	270S-027	Wheel Cleaner
270S-028	Wheel Cleaner Bracket	270S-038	Bearing Case Assembly
WN516	Wing Nut 5/16	HB1415	Hex Bolt W1/4 x 15
HN14	Hex Nut 1/4	HB3835	Hex Bolt W3/8 x 35
FW38	Flat Washer 1/4	CN20	Cap Nut M20

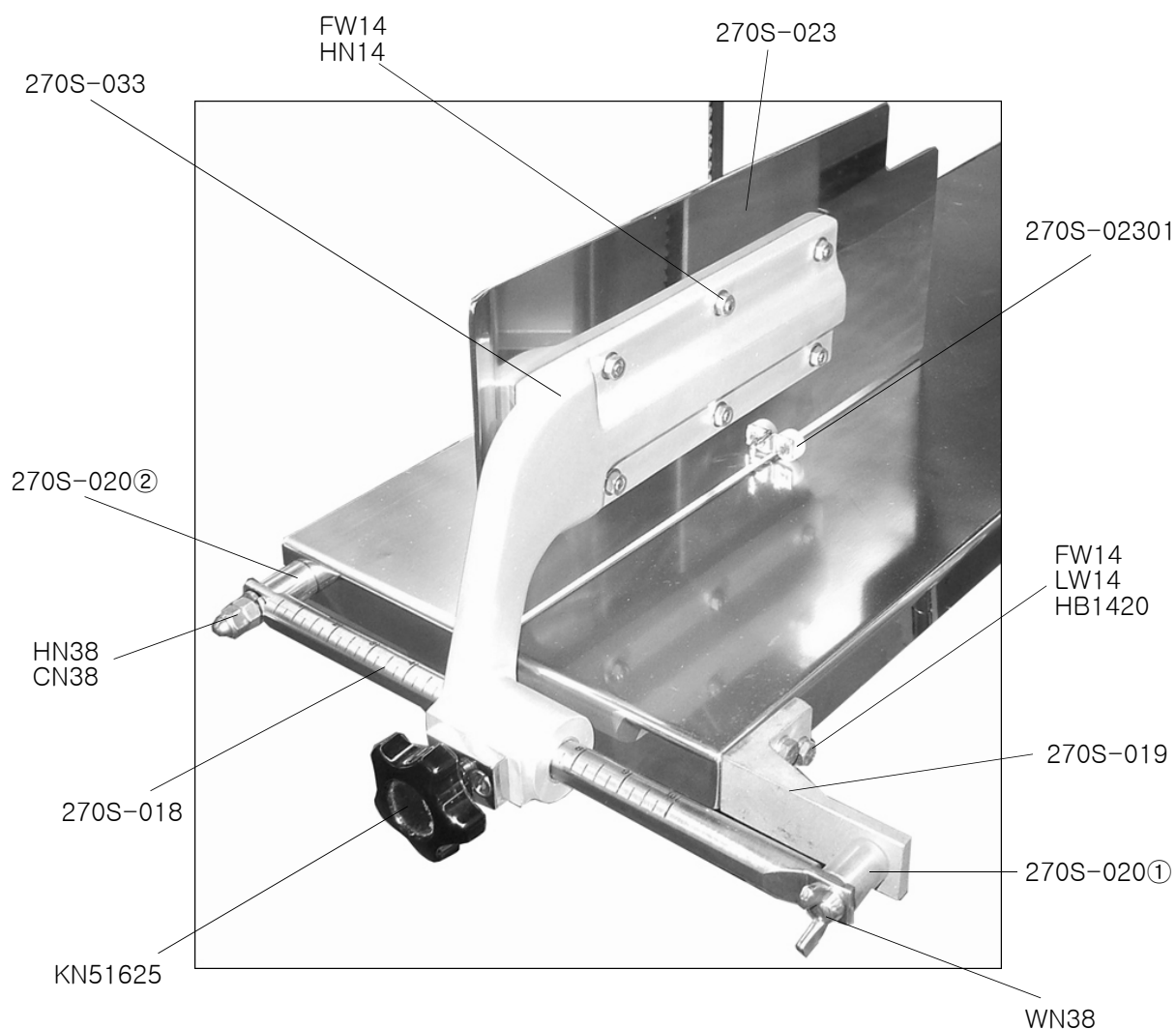


## SAW GUIDE PARTS



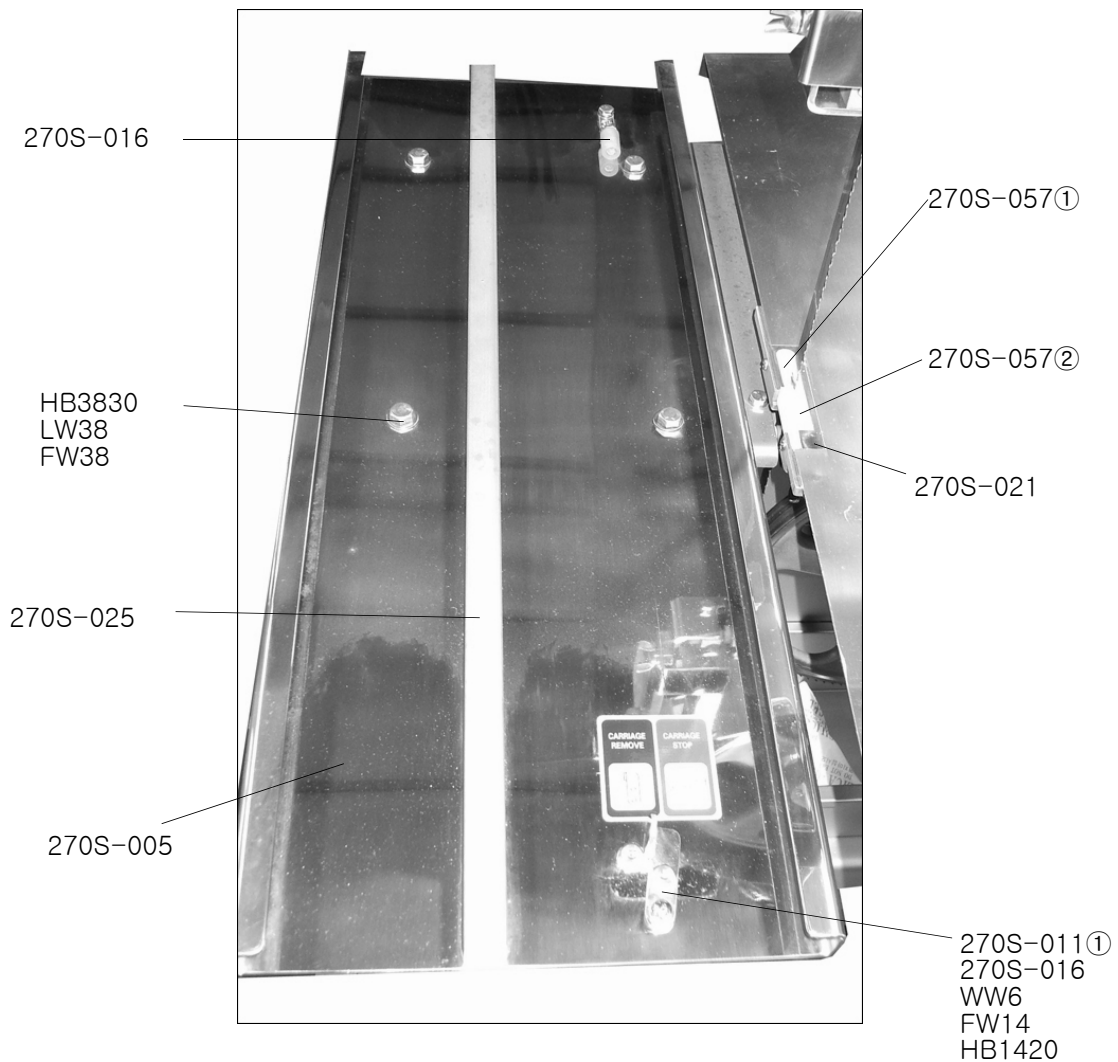
item	Description	item	Description
270S-04501	Saw Guide Bar Gib	270S-030	Saw Guide Bar Spacer
270S-047	Safety Saw Guard	270S-049	Saw Guide Bracket
270S-046	Saw Guide	270S-048	Saw Guide Bar
KN51615	Knob 5Point W5/16 x 15	HB1415	Hex Bolt W1/4 x 15
HB51612	Hex Bolt W5/16 x 12	HN14	Hex Nut W1/4
FW516	Flat Washer 5/16	WB51610	Wing Bolt W5/16 x 10

## MEAT GAUGE PARTS



item	Description	item	Description
270S-033	Meat Gauge Arm	270S-023	Meat Gauge Plate
270S-02301	Meat Gauge Rollor	270S-019	Meat Gauge Bracket
270S-020①	Meat Gauge Fixed Bar①	270S-020②	Meat Gauge Fixed Bar②
270S-018	Meat Gauge Bar	FW14	Flat Washer 1/4
HN14	Hex Nut 1/4	LW14	Lock Washer 1/4
HB1420	Hex Nut 1/4 x 20	WN38	Wing Nut 1/4
KN51625	Knob 5Point 1/4 x 25	HN38	Hex Nut 3/8
CN38	Cap Nut 3/8		

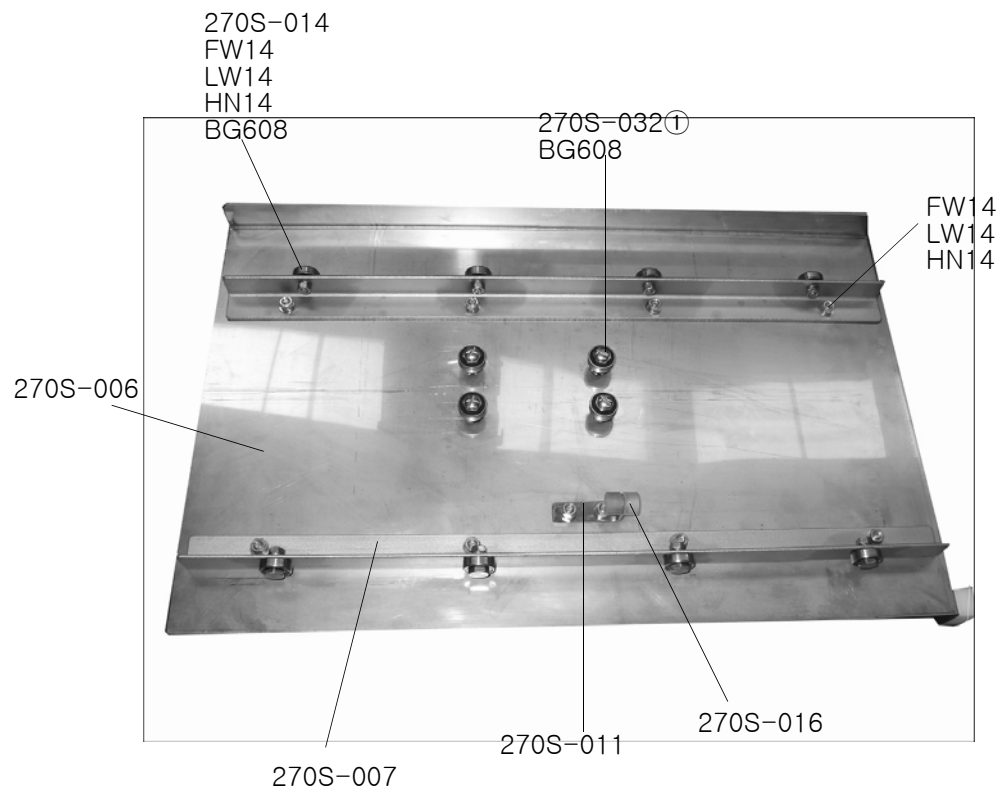
## CHANNEL PARTS



item	Description	item	Description
270S-016	Stopper	270S-057①	Table Saw Guide Rear
270S-057②	Table Saw Guide Front	270S-021	Table Saw Guide Bracket
270S-025	Carriage Guide Rail	270S-005	Channel
270S-011①	Stop Bracket	HB3830	Hex Bolt 3/8 x 30
LW38	Lock Washer 3/8	FW38	Flat Washer 3/8
WW6	Wave Washer Φ6	FW14	Flat Washer 1/4
HB1420	Hex Bolt 1/4 x 20		

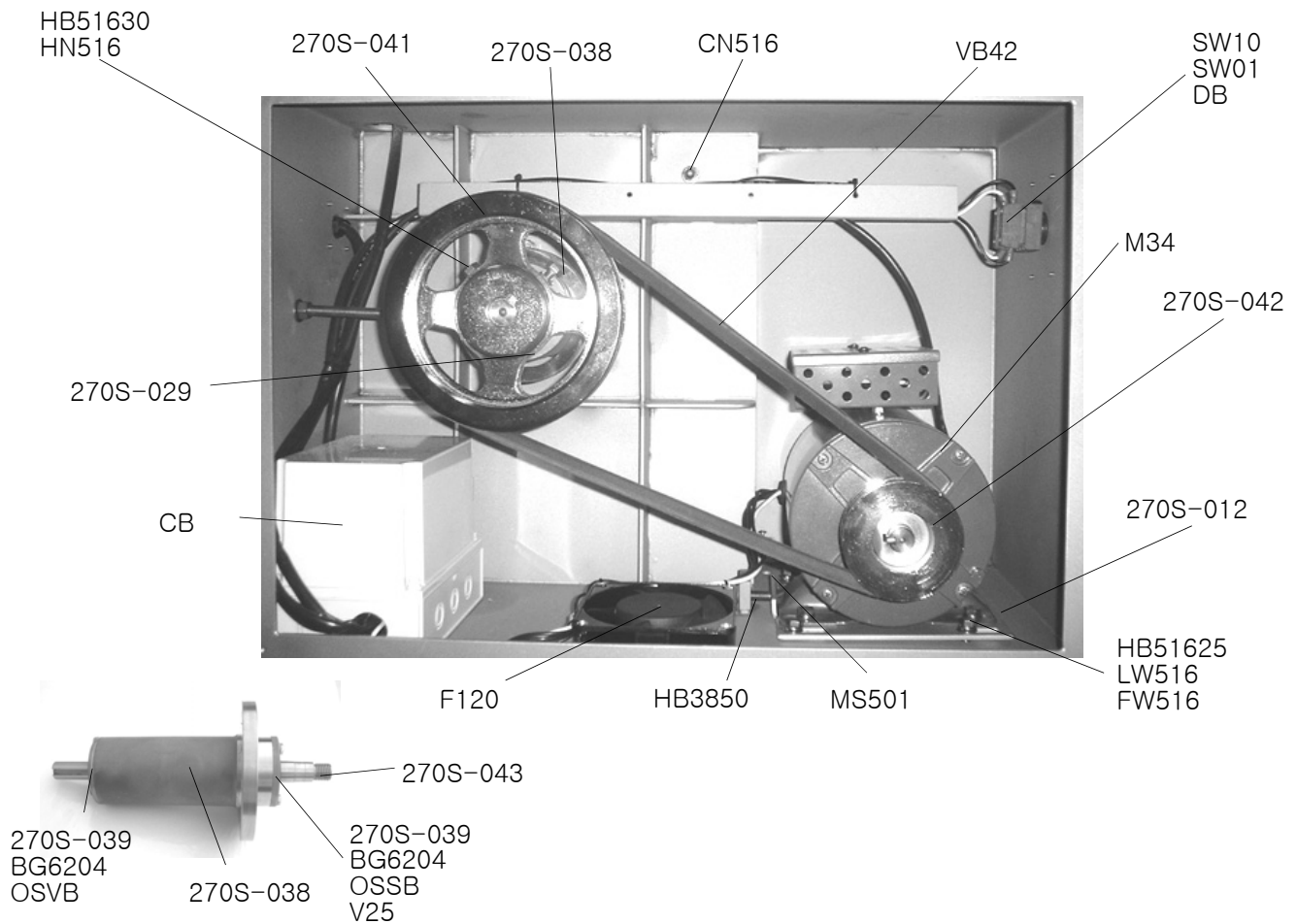


## MEAT CARRIAGE PARTS



item	Description	item	Description
270S-014	Rollor Bearing Pin	270S-032①	Guide Bearing Pin
270S-006	Meat Carriage	270S-007	Meat Carriage Guide
270S-011	Stop Bracket	270S-016	Stopper
FW14	Flat Washer 1/4	LW14	Lock Washer 1/4
HN14	Hex Nut 1/4	BG608	Bearing #608DD

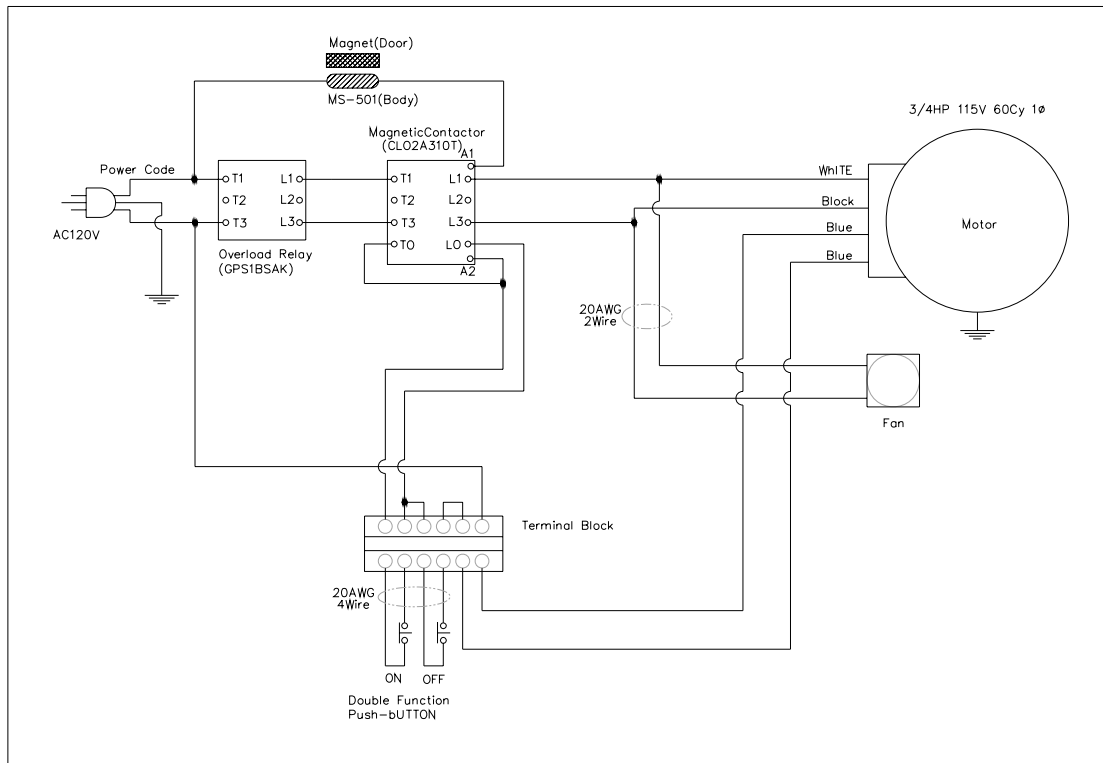
## DRIVE PARTS



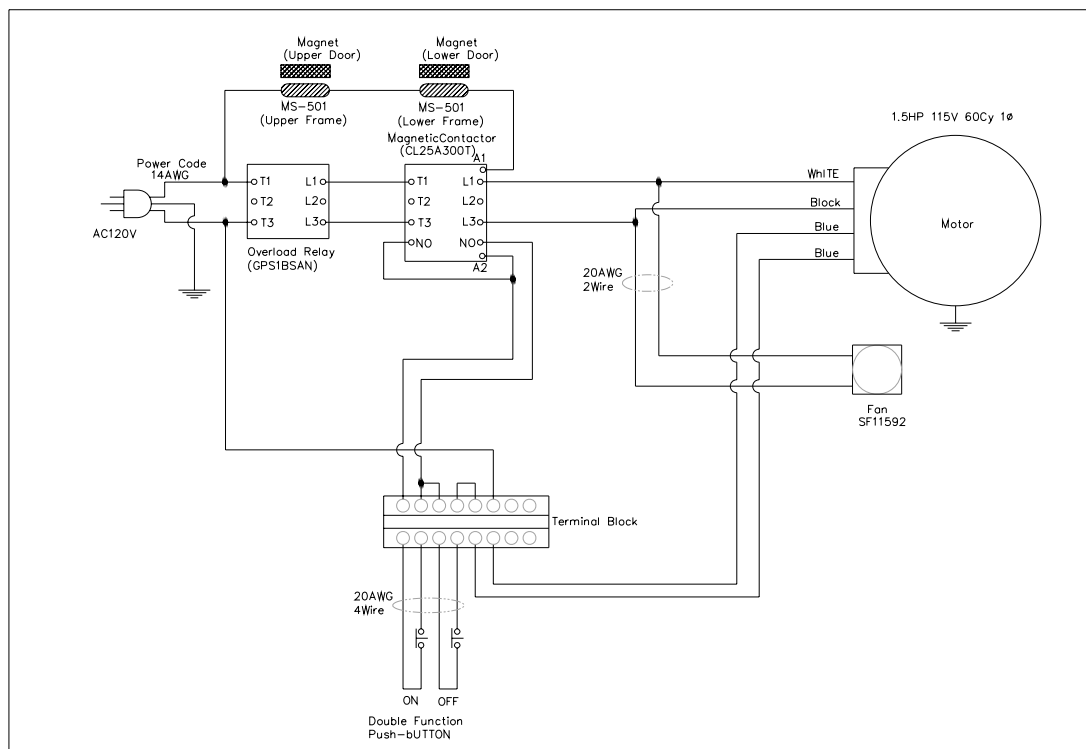
item	Description	item	Description
270S-041	Bearing Case Pulley	270S-038	Bearing Case
270S-042	Motor Pulley	270S-012	Motor Base
270S-029	Bearing Case Support	270S-043	Bearing Case Shaft
270S-039	Bearing Case Cover	CN516	Cap Nut 5/16
VB42	V-Belt B-42	SW10	Open Block
DB	Double Function Switch	SW01	Close Block
M34	Motor-120V 1ph 3/4 HP	HB51625	Hex Bolt 5/16 x 25
LW516	Lock Washer 5/16	FW516	Flat Washer 5/16
MS501	Reed Sensor MS-501	HB3850	Hex Bolt W3/8 x 50
F120	Cooling Fan $\Phi 120 \times 120 \times 38$	CB	Control Box
BG6204	Bearing #6204ZZ	OSSB	Oil Seal SB40 25 8
OSVB	Oil Seal VB40 25 6	VB25	V-Ring V-25

## ELECTRONIC CIRCUIT

Model : GBS-230A



Model : GBS-270S



## TROUBLE SHOOTING

SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Meat Saw does not start.	<ol style="list-style-type: none"> <li>1. Electrical cord is unplugged.</li> <li>2. Door is open.</li> <li>3. Motor overload has tripped.</li> </ol>	<ol style="list-style-type: none"> <li>1. Plug in electrical code.</li> <li>2. Close door.</li> <li>3. Reset motor overload.</li> </ol>
Saw blade is breaking.	<ol style="list-style-type: none"> <li>1. Over tightening of blade.</li> <li>2. Blade is defective.</li> <li>3. Blade is installed incorrectly.</li> </ol>	<ol style="list-style-type: none"> <li>1. Do not over tighten blade.</li> <li>2. Replace blade.</li> <li>3. Insure blade is turning freely and is inside the guide.</li> </ol>
Saw blade is coming off.	<ol style="list-style-type: none"> <li>1. Tension of blade is too loose.</li> <li>2. There is excessive grease or dust on the blade or wheels.</li> </ol>	<ol style="list-style-type: none"> <li>1. Keep blade at proper tension.</li> <li>2. Clean wheels and blade or replace blade.</li> </ol>



## LIMITED WARRANTY

German Knife warrants to the original purchaser of new equipment that said equipment, installed in accordance with our instructions within the United States and subjected to normal use, is free from defects in material or workmanship for a period of 1 year on parts excludes wearable/expendable parts. The labor warranty is 1 year on labor from original installation, or 15 months from actual shipment date, whichever date occurs first.

This warranty is in lieu of all other warranties, whether express or implied. German Knife expressly disclaims any implied warranty of merchantability or express or implied warranty of fitness for a particular purpose.

GERMAN KNIFE'S OBLIGATION AND LIABILITY UNDER THIS WARRANTY IS EXPRESSLY LIMITED TO REPAIRING AND REPLACING EQUIPMENT WHICH PROVES TO BE DEFECTIVE IN MATERIAL OR WORKMANSHIP WITHIN THE APPLICABLE WARRANTY PERIOD. All repairs pursuant to this Warranty will be performed by an Authorized Designated German Knife Service Location during normal working hours. IN NO EVENT SHALL GERMAN KNIFE BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES TO BUYER OR ANY THIRD PARTY, INCLUDING, WITHOUT LIMITATION, LOSS OR PROPERTY, PERSONAL INJURY, LOSS OF BUSINESS OR PROFITS OR OTHER ECONOMIC LOSSES, OR STATUTORY OR EXEMPLARY DAMAGES, WHETHER IN NEGLIGENCE, WARRANTY, STRICT LIABILITY, OR OTHERWISE.

This Warranty is given only to the first purchaser from a retail dealer. No warranty is given to subsequent transferees.

Periodic maintenance of equipment including but not limited to lubrication, replacement of worn blades or stones and other adjustments required due to installation set up or normal wear are not covered under this warranty.

This Warranty is not in force until such time as a properly completed and signed Installation /Warranty Registration has been received by German Knife within 30 days from the date of installation.

THE FOREGOING WARRANTY PROVISIONS ARE A COMPLETE AND EXCLUSIVE STATEMENT BETWEEN THE BUYER AND SELLER. GERMAN KNIFE NEITHER ASSUMES NOR AUTHORIZES ANY PERSONS TO ASSUME FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH SAID EQUIPMENT.