



Santos Ice Crusher
Model Santos 09
Item 44023
Instruction Manual



Revised - 12/01/2017



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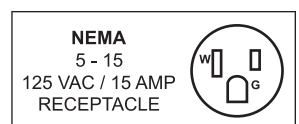


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Model Santos 09

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General Information

Omcan Manufacturing and Distributing Company Inc., Food Machinery of America, Inc. dba Omcan and Omcan Inc. are not responsible for any harm or injury caused due to any person's improper or negligent use of this equipment. The product shall only be operated by someone over the age of 18, of sound mind, and not under the influence of any drugs or alcohol, who has been trained in the correct operation of this machine, and is wearing authorized, proper safety clothing. Any modification to the machine voids any warranty, and may cause harm to individuals using the machine or in the vicinity of the machine while in operation.

CHECK PACKAGE UPON ARRIVAL

Upon receipt of an Omcan shipment please inspect for external damage. If no damage is evident on the external packaging, open carton to ensure all ordered items are within the box, and there is no concealed damage to the machine. If the package has suffered rough handling, bumps or damage (visible or concealed), please note it on the bill of lading before accepting the delivery and contact Omcan within 24 hours, so we may initiate a claim with the carrier. A detailed report on the extent of the damage caused to the machine must be filled out within three days, from the delivery date shown in the shipping documents. Omcan has no recourse for damaged products that were shipped collect or third party.

Before operating any equipment, always read and familiarize yourself with all operation and safety instructions.

Omcan would like to thank you for purchasing this machine. It's of the utmost importance to save these instructions for future reference. Also save the original box and packaging for shipping the equipment if servicing or returning of the machine is required.

Omcan Fabrication et distribution Compagnie Limitée et Food Machinery d'Amérique, dba Omcan et Omcan Inc. ne sont pas responsables de tout dommage ou blessure causé du fait que toute personne ait utilisé cet équipement de façon irrégulière. Le produit ne doit être exploité que par quelqu'un de plus de 18 ans, sain d'esprit, et pas sous l'influence d'une drogue ou d'alcool, qui a été formé pour utiliser cette machine correctement, et est vêtu de vêtements de sécurité appropriés. Toute modification de la machine annule toute garantie, et peut causer un préjudice à des personnes utilisant la machine ou des personnes à proximité de la machine pendant son fonctionnement.

VÉRIFIEZ LE COLIS DÈS RÉCEPTION

Dès réception d'une expédition d'Omcan veuillez inspecter pour dommages externes. Si aucun dommage n'est visible sur l'emballage externe, ouvrez le carton afin de s'assurer que tous les éléments commandés sont dans la boîte, et il n'y a aucun dommage dissimulé à la machine. Si le colis n'a subi aucune mauvaises manipulations, de bosses ou de dommages (visible ou cachée), notez-le sur le bond de livraison avant d'accepter la livraison et contactez Omcan dans les 24 heures qui suivent, pour que nous puissions engager une réclamation auprès du transporteur. Un rapport détaillé sur l'étendue des dommages causés à la machine doit être rempli dans un délai de trois jours, à compter de la date de livraison indiquée dans les documents d'expédition. Omcan n'a aucun droit de recours pour les produits endommagés qui ont été expédiés ou cueilli par un tiers transporteur.

General Information

Avant d'utiliser n'importe quel équipement, toujours lire et vous familiariser avec toutes les opérations et les consignes de sécurité.

Omcan voudrais vous remercier d'avoir choisi cette machine. Il est primordial de conserver ces instructions pour une référence ultérieure. Également conservez la boîte originale et l'emballage pour l'expédition de l'équipement si l'entretien ou le retour de la machine est nécessaire.

Omcan Empresa De Fabricacion Y Distribucion Inc. Y Maquinaria De Alimentos De America, Inc. dba Omcan y Omcan Inc. no son responsables de ningun daño o perjuicio causado por cualquier persona inadecuada o el uso descuidado de este equipo. El producto solo podra ser operado por una persona mayor de 18 años, en su sano juicio y no bajo alguna influencia de droga o alcohol, y que este ha sido entrenado en el correcto funcionamiento de esta máquina, y ésta usando ropa apropiada y autorizada. Cualquier modificación a la máquina anula la garantía y puede causar daños a las personas usando la máquina mientras esta en el funcionamiento.

REVISE EL PAQUETE A SU LLEGADA

Tras la recepcion de un envio Omcan favor inspeccionar daños externos. Si no hay daños evidentes en el empaque exterior, Habra el carton para asegurarse que todos los articulos solicitados estén dentro de la caja y no encuentre daños ocultos en la máquina. Si el paquete ha sufrido un manejo de poco cuidado, golpes o daños (visible o oculto) por favor anote en la factura antes de aceptar la entrega y contacte Omcan dentro de las 24 horas, de modo que podamos iniciar una reclamación con la compañía. Un informe detallado sobre los daños causados a la máquina debe ser llenado en el plazo de tres días, desde la fecha de entrega que se muestra en los documentos de envío. Omcan no tiene ningun recurso por productos dañados que se enviaron a recoger por terceros.

Antes de utilizar cualquier equipo, siempre lea y familiarizarse con todas las instrucciones de funcionamiento y seguridad.

Omcan le gustaría darle las gracias por la compra de esta máquina. Es de la mayor importancia para salvar estas instrucciones para futuras consultas. Además, guarda la caja original y el embalaje para el envío del equipo si servicio técnico o devolución de la máquina que se requiere.

Safety and Warranty

IMPORTANT SAFEGUARDS

READ ALL INSTRUCTIONS

When using, cleaning or maintaining the machine, always follow these instructions:

Safety and Warranty

IMPROPER USE

1. Do not place food in the channel and press with the plunger before you have started the machine.
2. Cleaning in a jet of water or a high pressure spray is prohibited.
3. The base must not be immersed in water.
4. Never use the appliance if the power cord is damaged. It must be replaced by either a SANTOS approved dealer or a person with similar qualifications to avoid any danger.
5. The appliance must be unplugged before any intervention on it: cleaning, general care, maintenance.
6. It is forbidden to operate the appliance on a surface with a slope in excess of 10° with respect to the horizontal plane. The feet of the machine must always be resting on this surface.
7. The use of spare parts other than certified original SANTOS parts is prohibited.
8. Never connect several appliances to the same power socket.
9. Never use the machine outdoors.
10. Never place the appliance close to or on a source of heat.
11. This appliance is a professional machine designed exclusively for professional use. It is not designed for household use.
12. This appliance is not designed for use by people (including children) whose physical, sensorial or mental capacities are impaired or by people with no experience or knowledge, unless they have been supervised or given training in the use of the appliance beforehand by a person responsible for their safety. Supervise children to ensure they do not play with the appliance.

Line protection: The appliance shall be connected only to a power 2-pole and earth socket supplied by a branch circuit of suitable voltage. The branch circuit shall have been established by a qualified electrician according to national and local codes and laws, and provided with suitable protective equipments (such as fuse, circuit breaker, etc.) as defined by these codes and laws.

CARE:

- Before connecting the machine, check that the mains electrical voltage is the same as the voltage for your appliance. Its value is shown:
 - Either on the identification plate under the machine.
 - Or on the identification plate on the last page of this manual.
- If the power cable is damaged, it must be replaced by either a SANTOS approved dealer or a person with similar qualifications to avoid any danger.

1 YEAR PARTS AND LABOUR BENCH WARRANTY

Within the warranty period, contact Omcan Inc. at 1-800-465-0234 to schedule a drop off to either an Omcan authorized service depot in the area, or to an Omcan Service warehouse to repair the equipment.

Unauthorized maintenance will void the warranty. Warranty covers electrical and part failures, not improper use.

Please see www.omcan.com/warranty.html for complete info.

Safety and Warranty

WARNING:

The packaging components are classified as normal solid urban waste and can therefore be disposed of without difficulty.

In any case, for suitable recycling, we suggest disposing of the products separately (differentiated waste) according to the current norms.

DO NOT DISCARD ANY PACKAGING MATERIALS IN THE ENVIRONMENT!

Technical Specifications

Model	Santos 09
Electrical	100-120V / 60Hz / 1
RPM	1800
Power	0.87 HP / 650W
Current	5.4A
Production	220 lbs. / 100 kgs. per hour
Dimensions	16.5" x 10" x 14" / 420 x 250 x 360mm
Packaging Dimensions	12" x 18" x 16" / 295 x 455 x 410mm
Weight	32 lbs. / 14.5 kgs.
Packaging Weight	34 lbs. / 15.5 kgs.
Item Number	44023

Operation

USING (FIGURE 1)

1. Prepare the pieces of cheese to be grated (or the ice cubes) beforehand.
2. Make sure the drawer is correctly in place (1) (operating is servo-controlled by a safety device linked to the drawer's presence). For the ice crusher: place the stainless steel sheet inside the drawer.
3. Start the machine by operating the On/Off button (5).
4. Lift up the lever (4), insert a piece of cheese to be grated (or ice cubes), and push on the lever steadily without forcing.
5. Repeat the above procedure as many times as necessary.
6. After use, stop the machine by operating the On/Off Button (5).

Operation

Note: removing the drawer (1) or lifting up the chute (3) stops the appliance from working (figure 6).

For easier cleaning, do not leave food to dry in the drawer or on the grating disc.

CHANGING DISC

Push the end of the lever (4), pull on the closing key (14) and remove the chute + lever unit to get to the disc (6) (figure 2).

TAKING APART (LEFT-HANDED THREAD): (FIGURE 3)

- Clamp the disc (6) and undo the screw (7) following the arrow (clockwise) with the closing key (14).

REASSEMBLING: (FIGURE 4)

- Check that the key (8) is present on the motor shaft.
- Check that the seal (13) is present on the disc (6).
- Place the disc on the motor shaft making the key match the key groove.
- Clamp the disc (6) and tighten the screw (7) following the arrow (anti-clockwise).

ADJUSTING THE ICE CRUSHER: (FIGURE 5)

It is possible to adjust the position of the knife on the ice crusher disc by loosening the 2 fastening screws (9) fixing the knife (10) onto its support (11) and by moving it to increase or to reduce the cutting height of the knife into the ice cube. Tighten the 2 screws (9) carefully after adjusting.

SAFE ACCESS TO THE TOOLS: (FIGURE 6)

The appliance can only start if the lever (4) is not extending out of the chute to insert the food (3) and if the drawer catching the food (1) is correctly placed on the slideway (2).

Removing the drawer (1) causes the machine to stop. Re-starting the appliance requires specific operation of the On / Off switch (5) again (position 1).

A cut in the mains power supply results in the On / Off switch (5) stopping (position 0).

The fact of lifting the lever to add food into the chute (3) causes the motor to stop, without causing the appliance to stop completely.

Lowering the lever (4) allows the motor to be restarted.

Operation

MOTOR OVERLOAD SAFETY FEATURE:

Should the motor become blocked (foreign body, object that is too hard, too much pressure with the lever on the products being processed), the On / Off switch (5) automatically trips to the 0 position.

Correct the problem and press the On / Off switch (5) (position 1).

If the problem persists, switch off the power supply to the machine (unplug the cord from the mains socket) and call in the maintenance service or contact a SANTOS approved dealer.

Maintenance

Before carrying out any work on the appliance, it must in all cases be unplugged from the mains power supply and the motor start capacitor discharged.

DISCHARGING THE CAPACITOR

Use a screwdriver with insulated handle to touch the 2 connectors on the capacitor (12). The appearance of an electric arc shows that the capacitor has discharged.

SPARE PARTS

IMPORTANT: Use of spare parts other than certified original SANTOS parts is prohibited.

This machine requires no specific maintenance. The bearings are lubricated for life. If work is required to replace worn parts such as start relay or the electric or other components, refer to the parts list.

For all spare part orders (see references in the exploded view at the end of the manual), state:

- The type.
- The machine serial number.
- The electrical specifications recorded under the machine.

The complete disc (6) can be considered to be a part subject to wear.

For the machine to operate properly, it is recommended that a check is also made that the seal (13) is in good condition, in particular the absence of any signs of tearing of the lip.

CLEANING

The appliance should neither be cleaned in a jet of water nor with a high pressure spray.

1. Put the appliance on stop position by pushing the On/Off button and disconnect the plug.

Maintenance

2. Remove the chute + lever assembly and the grating disk.
3. Wash the chute + lever assembly, the grating disc and the drawer with washing-up detergent, rinse, dry and reassemble the unit.
4. The frame is to be sponged clean then dried. Polish from time to time with a non-abrasive product for windows or a cleaning agent for metal.

Troubleshooting

Identifying the cause of appliance stoppage precisely.

THE APPLIANCE DOES NOT START: (FIGURE 6)

- Check: the mains supply, the condition of the supply cord.
- Check: the position of the drawer (1) on its slideway (2), the position of the lever (4) (no more than 2 cm outside the chute (3)).

THE APPLIANCE STOPS FURTHER TO AN OVERLOAD:

See the chapter “motor overload safety feature”.

REFERENCE

Item Number	Model Number	Description	Manufacturer Model Number
44023	Santos 09	Ice Crusher Traditional Ice Shaver with Lever 09 cULus	Santos 09

Figure Drawings

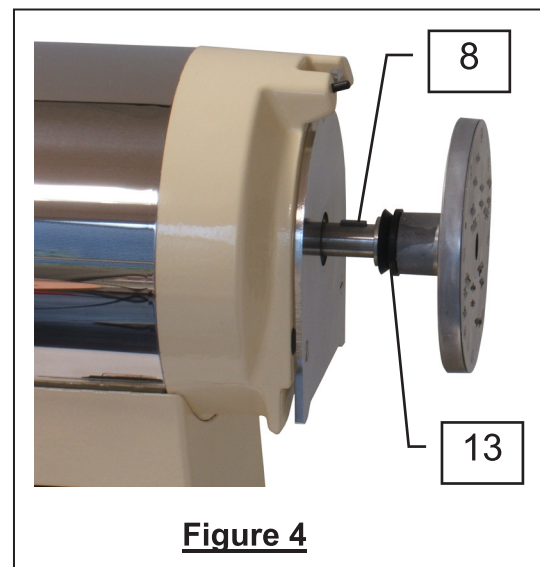
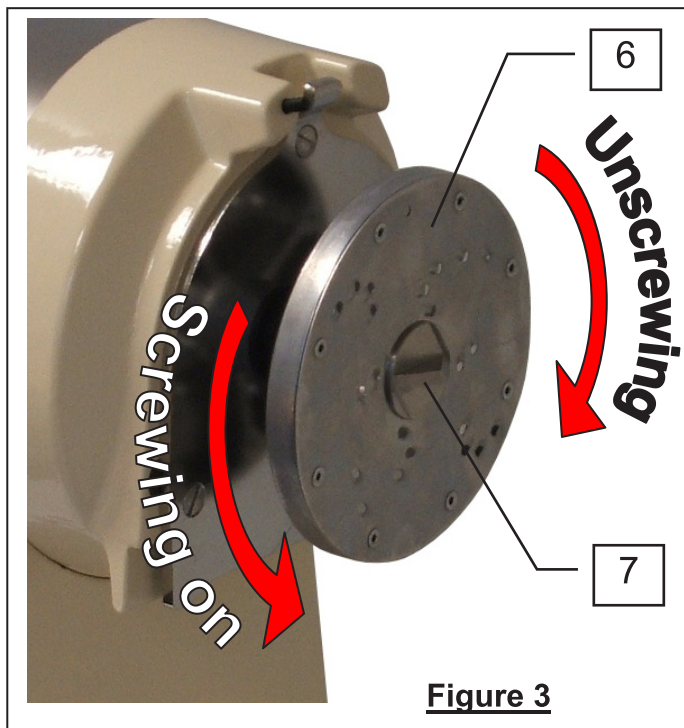
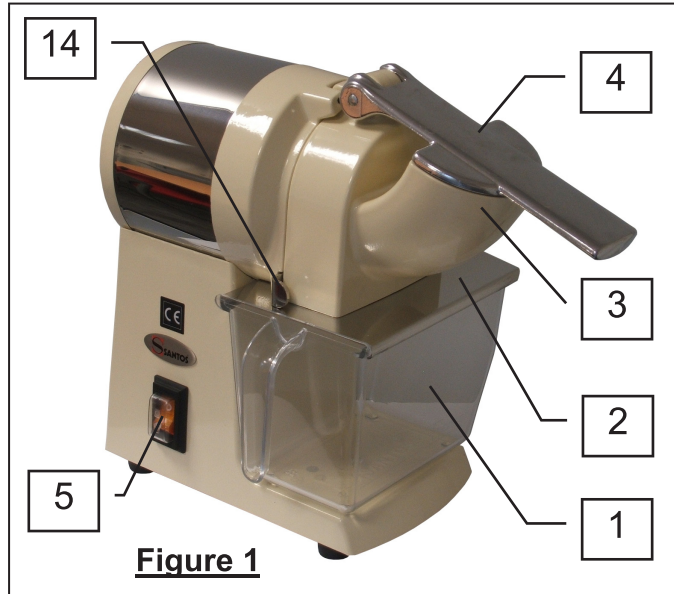
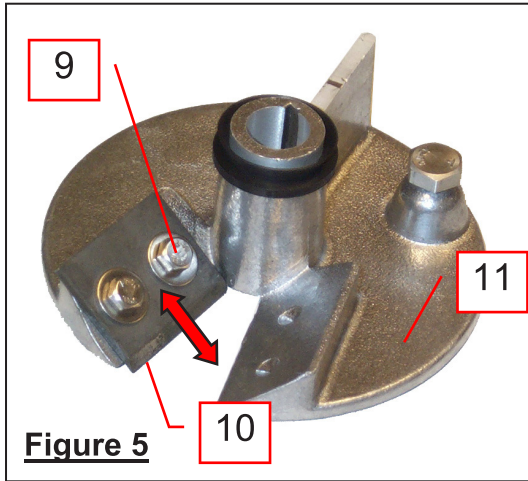
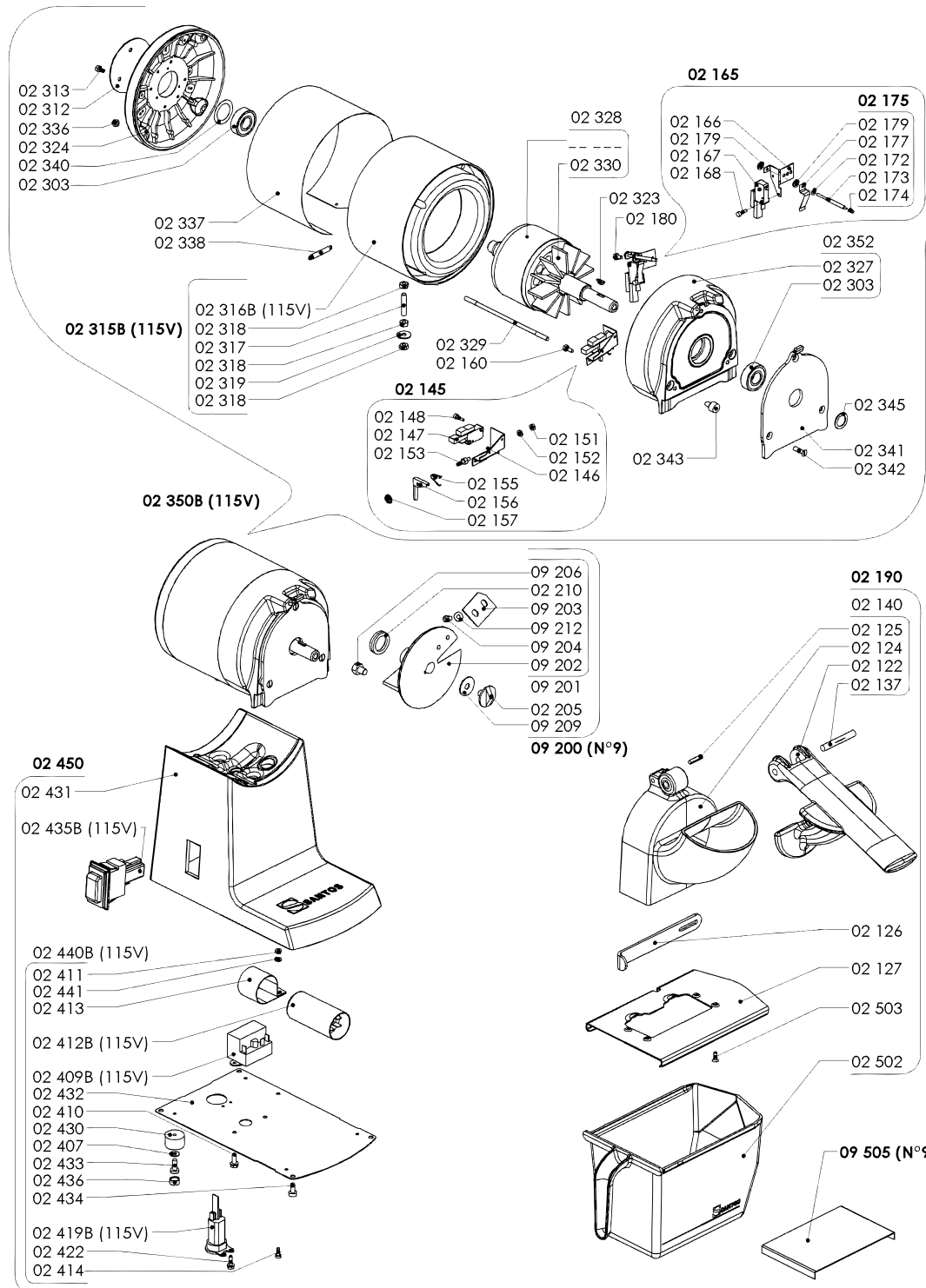


Figure Drawings



Parts Breakdown

Model Santos 09 44023



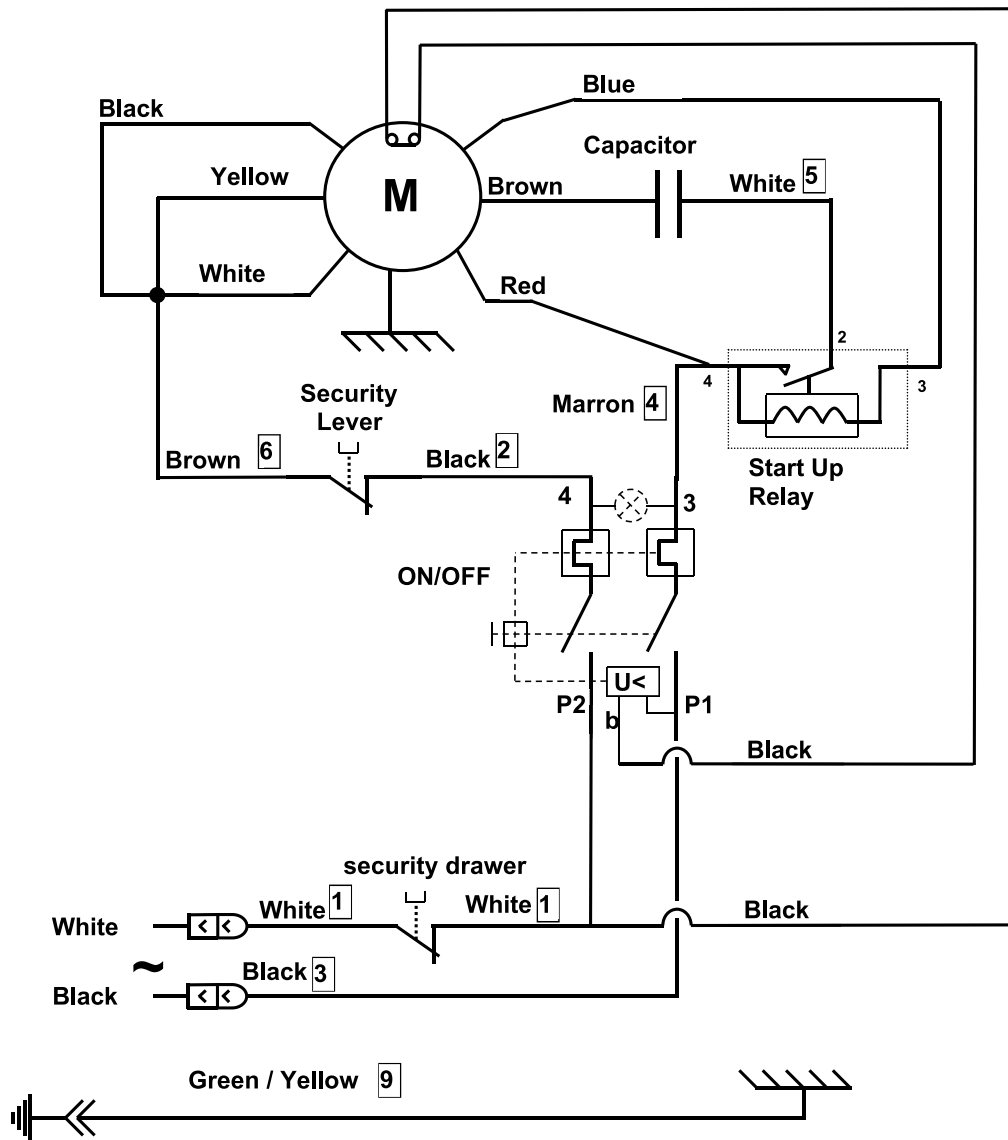
Parts Breakdown

Model Santos 09 44023

Item No.	Description	Position	Item No.	Description	Position	Item No.	Description	Position
73603	Aluminum Lever for Santos 09	02122	73632	Complete Grater Housing for Santos 09	02190	73669	Screw CB M4x10 ZN for Santos 09	02410
73604	Grater Housing for Santos 09	02124	40665	Locking Screw for Santos 09	02205	73670	Nut H M 4 ZN for Santos 09	02411
73605	Grooved Pin 5x22 for Santos 09	02125	73637	V Ring Gasket V22 for Santos 09	02210	73672	Capacitor 250 MF 100-120V 50/60 HZ for Santos 09	02412B
73606	Locking Key for Santos 09	02126	73639	Bearing 6202 ZZ for Santos 09	02303	73673	Capacitor Ring for Santos 09	02413
73607	Drawer Sustainer for Santos 09	02127	73640	Chromed Bearing Washer for Santos 09	02312	73674	Screw CB M4x20 ZN for Santos 09	02414
73608	Grooved Pin 8x55 for Santos 09	02137	73641	Screw H4x8 ZN for Santos 09	02313	73676	Power Cord with USA Plug for Santos 09	02419B
73609	Complete Grater Housing for Santos 09	02140	73643	Complete Stator (Winding) 110V 60Hz for Santos 09	02315B	73677	Screw H 4.2x12.7 ZN Auto for Santos 09	02422
73610	Detection Assembly for Drawer for Santos 09	02145	73645	Stator Only 1 Phase 110V 60HZ for Santos 09	02316B	73678	Rubber Foot D25x15 for Santos 09	02430
73611	Drawer Contact Switch Holder for Santos 09	02146	73646	Rod M6x35 for Santos 09	02317	73679	Painted Base Only for Santos 09	02431
73612	Microswitch for Santos 09	02147	73647	Nut H M 6 ZN for Santos 09	02318	73680	Bottom Plate for Santos 09	02432
73613	Screw for Santos 09	02148	73648	Washer 6x18 for Santos 09	02319	73681	Screw CBLZ 5.5x16 for Santos 09	02433
73614	Nut H M 4 ZN for Santos 09	02151	73649	Pin 3x5 for Santos 09	02323	73682	Screw H M5x12 ZN Auto for Santos 09	02434
73615	Washer AZ 4 for Santos 09	02152	73650	Rear Flange for Santos 09	02324	73684	Special On-Off Multifunction Switch D855 8A115V for Santos 09	02435B
73616	Safety Lever for Santos 09	02153	73651	Front Flange for Santos 09	02327	73685	Cap D12.2x6.2 Black for Santos 09	02436
73617	Safety Lever Spring for Santos 09	02155	73652	Complete Rotor with Fan for Santos 09	02328	73687	Complete Bottom Plate 110V for Santos 09	02440B
73618	Safety Lever for Santos 09	02156	73653	Assembling Threaded Rod M5x147 for Santos 09	02329	73688	Washer AZ 4 ZN for Santos 09	02441
73619	Washer for Santos 09	02157	73654	Fan for Santos 09	02330	73689	Complete Base for Santos 09	02450
73620	Screw 4x8 ZN Auto for Santos 09	02160	73655	Cap Nut H M 5 ZN for Santos 09	02336	40667	Grater Drawer for Santos 09	02502
73621	Holding Assembly for Lever Safety Detection for Santos 09	02165	73656	Stainless Steel Motor Protector for Santos 09	02337	73691	Screw FS M4x10 Stainless Steel for Santos 09	02503
73622	Microswitch Holding Plate for Santos 09	02166	73657	Motor Protector Spring for Santos 09	02338	73692	Complete Crushing Disc with Blade + Locking Screw for Santos 09	09200
73623	Microswitch for Santos 09	02167	73658	Ondulated Washer 6202 for Santos 09	02340	40679	Crushing Disc with Blade for Santos 09	09201
73624	Screw for Santos 09	02168	73659	Flange for Santos 09	02341	73694	Aluminum Disc Holder Only for Santos 09	09202
73625	Washer for Santos 09	02172	73660	Screw FS M5x16 Stainless Steel for Santos 09	02342	73695	Stainless Steel Knife for Santos 09	09203
73626	Lever Safety Detection Axle for Santos 09	02173	73661	Rubber Foot D12x7.5 for Santos 09	02343	73696	Screw H M5x10 Stainless Steel for Santos 09	09204
73627	Detection Pin End for Santos 09	02174	73662	Disc Washer for Santos 09	02345	73697	Screw H M8x10 Stainless Steel for Santos 09	09206
73628	Lever Detection Assembly for Santos 09	02175	73664	Complete Motor Single Phase 110-120V 60HZ for Santos 09	02350B	73698	Fiber Washer for Santos 09	09209
73629	Safety Spring Plate for Santos 09	02177	73665	Complete Front Flange for Santos 09	02352	73699	Washer D5 Stainless Steel for Santos 09	09212
73630	Washer for Santos 09	02179	73666	Washer 5x12 for Santos 09	02407	73700	Drawer Stainless Steel Plate for Santos 09	09505
73631	Screw 4x8 ZN Auto for Santos 09	02180	73668	Starting Relay (100-120V 50/60HZ) for Santos 09	02409B			

Electrical Schematics

Model Santos 09 44023





Warranty Registration

Thank you for purchasing an Omcan product. To register your warranty for this product, complete the information below, tear off the card at the perforation and then send to the address specified below. You can also register online by visiting:

Merci d'avoir acheté un produit Omcan. Pour enregistrer votre garantie pour ce produit, complétez les informations ci-dessous, détachez la carte au niveau de la perforation, puis l'envoyer à l'adresse spécifiée ci-dessous. Vous pouvez également vous inscrire en ligne en visitant:

Gracias por comprar un producto Omcan usted. Para registrar su garantía para este producto, complete la información a continuación, cortar la tarjeta en la perforación y luego enviarlo a la dirección indicada a continuación. También puede registrarse en línea en:

www.omcan.com/warrantyregistration.html

For mailing in Canada

Pour postale au Canada

Por correo en Canadá

OMCAN

PRODUCT WARRANTY REGISTRATION

3115 Pepper Mill Court,

Mississauga, Ontario

Canada, L5L 4X5

For mailing in the US

Pour diffusion aux États-Unis

Por correo en los EE.UU.

OMCAN

PRODUCT WARRANTY REGISTRATION

4450 Witmer Industrial Estates, Unit 4,

Niagara Falls, New York

USA, 14305

or email to: service@omcan.com



Purchaser's Information

Name: _____

Address: _____

City: _____ Province or State: _____ Postal or Zip: _____

Country: _____

Dealer from which Purchased: _____

Dealer City: _____ Dealer Province or State: _____

Invoice: _____

Company Name: _____

Telephone: _____

Email Address: _____

Type of Company:

☐ Restaurant ☐ Bakery ☐ Deli

☐ Butcher ☐ Supermarket ☐ Caterer

☐ Institution (specify): _____

☐ Other (specify): _____

Model Name: _____ Model Number: _____ Serial Number: _____

Machine Description: _____

Date of Purchase (MM/DD/YYYY): _____ Date of Installation (MM/DD/YYYY): _____

Would you like to extend the warranty? ☐ Yes ☐ No

Thank you for choosing Omcan | Merci d'avoir choisi Omcan | Gracias por elegir Omcan



Since 1951 Omcan has grown to become a leading distributor of equipment and supplies to the North American food service industry. Our success over these many years can be attributed to our commitment to strengthen and develop new and existing relationships with our valued customers and manufacturers. Today with partners in North America, Europe, Asia and South America, we continually work to improve and grow the company. We strive to offer customers exceptional value through our qualified local sales and service representatives who provide convenient access to over 3,500 globally sourced products.

Depuis 1951 Omcan a grandi pour devenir un des “leaders” de la distribution des équipements et matériel pour l’industrie des services alimentaires en Amérique du Nord. Notre succès au cours de ces nombreuses années peut être attribué à notre engagement à renforcer et à développer de nouvelles et existantes relations avec nos clients et les fabricants de valeur. Aujourd’hui avec des partenaires en Amérique du Nord, Europe, Asie et Amérique du Sud, nous travaillons continuellement à améliorer et développer l’entreprise. Nous nous efforçons d’offrir à nos clients une valeur exceptionnelle grâce à nos ventes locales qualifiées et des représentants de service qui offrent un accès facile à plus de 3500 produits provenant du monde entier.

Desde 1951 Omcan ha crecido hasta convertirse en un líder en la distribución de equipos y suministros de alimentos en América del Norte industria de servicios. Nuestro éxito en estos años se puede atribuir a nuestro compromiso de fortalecer y desarrollar nuevas relaciones existentes con nuestros valiosos clientes y fabricantes. Hoy con socios de América del Norte, Europa, Asia y América del Sur, que trabajan continuamente para mejorar y crecer la empresa. Nos esforzamos por ofrecer a nuestros clientes valor excepcional a través de nuestro local de ventas y representantes de los servicios que proporcionan un fácil acceso a más de 3,500 productos con origen a nivel mundial.

