



Model 84145-1 with #12 hub

FOOD CUTTER SERIES CUSTOMER MAINTENANCE MANUAL

**SPECIFICATION SHEETS
EQUIPMENT INFORMATION
TOOLS
INSTRUCTION MANUALS
ADDITIONAL RESOURCES
TROUBLESHOOTING INSTRUCTIONS
WIRING / CONNECTION DIAGRAMS
HOBART SERVICE PARTS STORE
PARTS CATALOG**

HOBART701 S Ridge Avenue, Troy, OH 45374
1-888-4HOBART • www.hobartcorp.com**84145
FOOD CUTTER****HOBART****STANDARD FEATURES**

- ½ H.P. Motor
- 5 Pound Capacity
- 14" Stainless Steel Bowl
- One-piece Burnished Aluminum Housing
- 1725 RPM Knife Rotation
- Bowl Cover Safety Interlock
- 22 RPM Bowl Rotation
- Pull/Push On/Off Switch
- Double Cutlery Grade Stainless Steel Knives
- 3" Stainless Steel Legs With Rubber Feet
- 6' Flexible Cord and Plug

OPTIONS

- #12 Attachment Hub – Model 84145-1

ACCESSORIES

- Vegetable Slicer
- Meat Chopper Attachment

**MODELS**

- 84145 – Food Cutter with 14" Stainless Steel Bowl, Double Cutlery Grade Stainless Steel Knives with Stainless Steel Knife Comb and 3" Stainless Steel Legs with Rubber Feet.

Specifications, Details and Dimensions on Reverse Side



Model 84145-1 with #12 hub
Model 84145-2 without #12 hub (not shown)

84145 FOOD CUTTER

84145 FOOD CUTTER



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SOLUTIONS/BENEFITS

½ H.P. Motor

Durability, Reliability

- Heavy-duty to meet the most demanding operations

Bowl Cover Safety Interlock

Safety

- Machine cannot be turned on until the bowl cover is locked down into position
- Bowl cover cannot be raised with the switch in the "ON" position

One-piece Burnished Aluminum Housing

Durability, Sanitation

- One-piece base has no cracks or crevices to allow food product to hide

Removable Bowl Cover, Knives and Bowl Without the Use of Tools

Ease of Cleaning, Ease of Use

- Easily removed to be taken to three compartment sink for thorough cleaning
- No tools needed to remove means less time and labor involved

Double Cutlery Grade Stainless Steel Knives

Durability, Performance

- Reduce food products to a uniformly small particle size for salads, spreads, bread crumbs and other imaginative recipes
- Holds an edge longer resulting in fewer sharpenings

SPECIFICATIONS

MOTOR: ½ H.P., fan cooled, permanently lubricated ball bearings, and totally enclosed within the machine. Single-phase is capacitor-start, induction-run.

ELECTRICAL: Available in 115/60/1 and 230/60/1.

SWITCH: Single-phase is double-pole single throw. The bowl cover and switch are interlocked so that the machine cannot be turned on until the bowl cover is locked in place, nor can the bowl cover be raised with the switch in the "ON" position.

CORD AND PLUG: 6 foot cord with plug per latest NEMA configuration.

BOWL: Rotates at 22 R.P.M. 14^{15/16}" inside diameter. Formed from a single sheet of stainless steel and easily removed for cleaning.

KNIVES: Rotate at 1725 RPM. The blades (made of special cutlery grade stainless steel) are secured to a hub as a unit, which may be removed from the knife shaft without change of knife clearance adjustment. Stainless steel knife comb included.

BASE: One-piece burnished aluminum casting with plated steel bottom cover (total enclosure).

STANDARD EQUIPMENT: Consists of Food Cutter with 14" stainless steel bowl, cutlery grade stainless steel knives with stainless steel knife comb and 3" stainless steel legs with rubber feet.

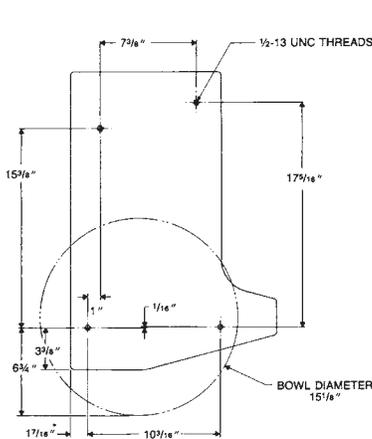
OPTIONAL ATTACHMENT HUB: Speed-209 RPM. Accommodates all Hobart No. 12 attachments.

ACCESSORIES: Vegetable Slicer and Meat Chopper Attachment.

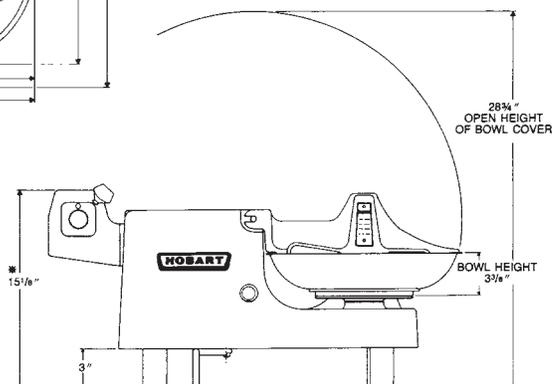
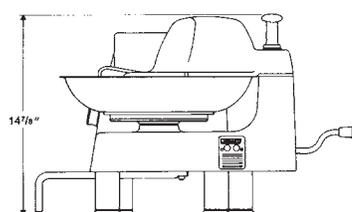
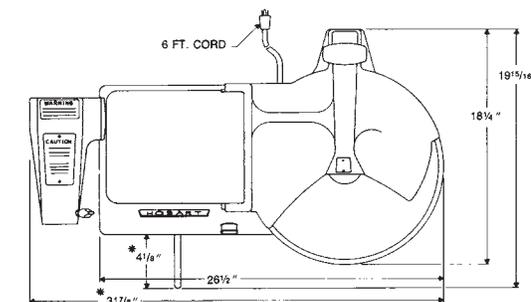
WEIGHT: Net – 100 lbs. Shipping – 140 lbs.

WARRANTY: Unit has a full one-year warranty on parts, labor and mileage against manufacturer's defects.

DETAILS AND DIMENSIONS



* THESE DIMENSIONS PERTAIN TO MACHINES WITH ATTACHMENT HUB.
IF THE MACHINE IS TO BE INSTALLED WITHOUT LEGS THE BASE MUST BE SEALED TO THE SUPPORTING SURFACE FOR NSF APPROVAL.



Drawings show Model 84145-1, which includes optional attachment hub

As continued product improvement is a policy of Hobart, specifications are subject to change without notice.

E-117147

HOBART701 S Ridge Avenue, Troy, OH 45374
1-888-4HOBART • www.hobartcorp.com**84186
FOOD CUTTER****HOBART****STANDARD FEATURES**

- 1 H.P. Motor
- 15 Pound Capacity
- 18" Stainless Steel Bowl
- One-piece Burnished Aluminum Housing
- 1725 RPM Knife Rotation
- Bowl Cover Safety Interlock
- 20 RPM Bowl Rotation
- Double Cutlery Grade Stainless Steel Knives
- Pull/Push On/Off Switch
- 3" Stainless Steel Legs With Rubber Feet
- 6' Flexible Cord and Plug

OPTIONS

- #12 Attachment Hub

ACCESSORIES

- Vegetable Slicer
- Meat Chopper Attachment

MODELS

- 84186 – Food Cutter with 18" Stainless Steel Bowl, Double Cutlery Grade Stainless Steel Knives with Stainless Steel Knife Comb and 3" Stainless Steel Legs with Rubber Feet
- 84186C – Maximum Security Correctional Package (115/60/1 with attachment hub only)

Specifications, Details and Dimensions on Reverse Side

**84186 FOOD CUTTER**

84186 FOOD CUTTER

HOBART

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1-888-4HOBART • www.hobartcorp.com

SOLUTIONS/BENEFITS

1 H.P. Motor

Durability, Reliability

- Heavy-duty to meet the most demanding operations

Bowl Cover Safety Interlock

Safety

- Machine cannot be turned on until the bowl cover is locked down into position
- Bowl cover cannot be raised with the switch in the "ON" position

One-piece Burnished Aluminum Housing

Durability, Sanitation

- One-piece base has no cracks or crevices to allow food product to hide

Removable Bowl Cover, Knives and Bowl Without the Use of Tools

Ease of Cleaning, Ease of Use

- Easily removed to be taken to three compartment sink for thorough cleaning
- No tools needed to remove means less time and labor involved

Double Cutlery Grade Stainless Steel Knives

Durability, Performance

- Reduces food products to a uniformly small particle size for salads, spreads, bread crumbs and other imaginative recipes
- Holds an edge longer resulting in fewer sharpenings

ELECTRICAL: 115/60/1, 230/60/1, 208/60/3 and 460/60/3 – U L Listed. Also available in 230/50/1 – Not submitted for U L Listing.

SWITCH: On/off switch is mechanically interlocked with bowl cover so that the switch cannot be operated unless bowl cover is locked down in position. On/off switch actuates a magnetic contactor.

CORD AND PLUG: 6 foot flexible cord with plug per NEMA configuration. Export models will be supplied with I.E.C. cord without plug.

BOWL: 18" inside diameter. Made of single piece of stainless steel, is easily removed for cleaning. Rotates at 20 RPM.

BOWL COVER: One-piece burnished aluminum casting, carefully fitted to the top of the bowl. It can be lifted to remove material from the bowl and can be removed for easy cleaning. Optional deluxe bowl cover available (with attachment hub only).

KNIVES: Rotate at 1725 RPM. The blades (made of special cutlery grade stainless steel) are secured to a hub as a unit, which may be removed from the knife shaft without change of knife clearance adjustment. Stainless steel knife comb included.

BASE: One-piece burnished aluminum casting with plated steel bottom cover (total enclosure).

STANDARD EQUIPMENT: Consists of Food Cutter with 18" stainless steel bowl, cutlery grade stainless steel knives with stainless steel knife comb and 3" stainless steel legs with rubber feet.

ATTACHMENT HUB: Speed – 256 RPM. Accommodates all Hobart No. 12 attachments.

ACCESSORIES: Vegetable Slicer and Meat Chopper Attachment.

WEIGHTS: Net – 140 lbs.; Shipping – 185 lbs.

WARRANTY: Unit has a full one-year warranty on parts, labor and mileage against manufacturer's defects.

SPECIFICATIONS

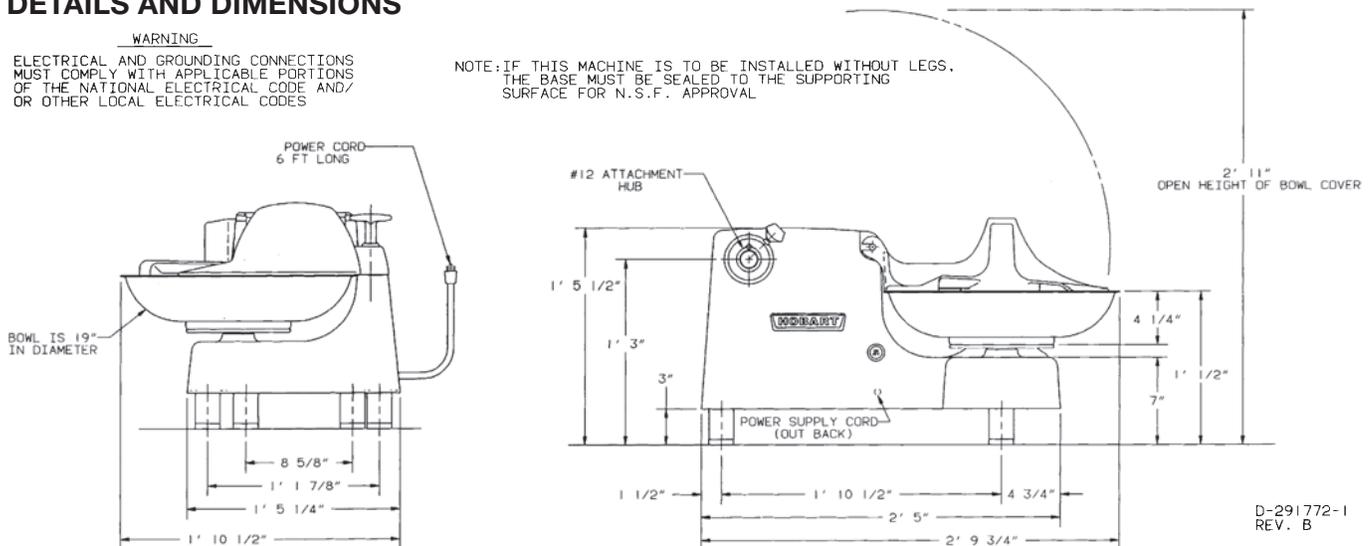
MOTOR: 1 H.P., with permanently lubricated ball bearings and totally enclosed within the machine. Single-phase is capacitor-start, induction-run type. Three-phase is polyphase squirrel-cage, induction-run type.

DETAILS AND DIMENSIONS

WARNING

ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES

NOTE: IF THIS MACHINE IS TO BE INSTALLED WITHOUT LEGS, THE BASE MUST BE SEALED TO THE SUPPORTING SURFACE FOR N.S.F. APPROVAL



As continued product improvement is a policy of Hobart, specifications are subject to change without notice.

EQUIPMENT INFORMATION - 84145

The Food Cutter, Model 8145 and 84145, is designed to cut a food product or with the attachment hub and Hobart No. 12 attachments to dice, cut, slice or grind. This versatile machine is powered by a ½ HP motor.

SAFETY

The 8186 and 84186 Food Cutter utilizes safety interlocks between the bowl cover and the On and Off switch. The bowl cover must be closed and locked before you can start the unit. Once the unit is started you cannot unlock the bowl cover until the unit is turned off.

EQUIPMENT INFORMATION - 84186

The Food Cutter, Model 8186 without attachment hub and 84186 with attachment hub is designed to cut a food product or with the attachment hub and Hobart standard No. 12 attachments to dice, cut, slice or grind.

SAFETY

The 8186 and 84186 Food Cutter utilizes safety interlocks between the bowl cover and the On and Off switch. The bowl cover must be closed and locked before you can start the unit. Once the unit is started you cannot unlock the bowl cover until the unit is turned off.

TOOLS - 84145

- Standard set of hand tools.
- Metric set of hand tools.
- VOM with measuring micro amp current tester. Any VOM with minimum of CAT III 600V, CE certified. Sensitivity of at least 20,000 ohms per volt can be used. In addition, meter leads must also be a minimum of CAT III 600V.
- Clamp on type amp meter with minimum of NFPA-70E CAT III 600V, UL/CSA/TUV listed.
- Temperature tester (thermocouple type).
- Field service grounding kit.

TOOLS - 84186

Standard

- Standard set of hand tools.
- Metric set of hand tools.
- VOM with measuring micro amp current tester. Any VOM with minimum of CAT III 600V, CE certified. Sensitivity of at least 20,000 ohms per volt can be used. In addition, meter leads must also be a minimum of CAT III 600V.
- Clamp on type amp meter with minimum of NFPA-70E CAT III 600V, UL/CSA/TUV listed.
- Temperature tester (thermocouple type).
- Field service grounding kit.

Special Tools

- Two 1-7/16" open end wrenches used to remove the knives. (TL-526566).

INSTRUCTIONS

MODEL 84145 FOOD CUTTER

ML-33228



701 S. RIDGE AVENUE
TROY, OHIO 45374-0001

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www.hobartcorp.com

FORM 35019 Rev. A (August 2017)

Installation, Operation and Care of MODEL 84145 FOOD CUTTER

SAVE THESE INSTRUCTIONS

GENERAL

The Model 84145 Food Cutter is designed to cut and mix a wide variety of products. With products in the rotating 14" (355mm) stainless steel bowl, rotating knives cut and mix them inside the bowl cover. The food cutter is powered by a 1/2 horsepower motor and is available for single- or three-phase electrical service.

The Model 84145 is furnished with a #12 attachment hub. Various attachments for this model, available through Hobart, include: #12 Meat and Food Chopper; #12 Vegetable Slicer; #12 Dicer/French Fry Cutter; and #12 Speed Drive (for use with #12 Vegetable Slicer only).



INSTALLATION

UNPACKING

The food cutter was inspected before leaving the factory. The carrier assumes full responsibility for the safe delivery upon acceptance of the shipment. Check for possible shipping damage immediately after receipt.

If the food cutter is found to be damaged, complete the following steps:

1. Carrier must be notified within five business days of receipt.
2. Carrier's local terminal must be notified immediately upon discovery (note time, date, and who was spoken to), and follow up and confirm with written or electronic communication.
3. All original packing materials must be kept for inspection purposes.
4. The food cutter cannot have been moved, installed, or modified.
5. Notify Hobart customer care at (800) 333-7447.

Prior to installation, test the electrical service to assure that it agrees with the specifications on the machine data plate. It is important to check knife clearance before turning on the machine for the first time. If the knife touches the bowl or bowl cover, contact your local Hobart Servicer.

LOCATION

With the legs installed, place the machine on a sturdy level surface.

ELECTRICAL CONNECTIONS

⚠ WARNING The supply cord on this machine is provided with a three-prong or four-prong grounding plug. It is imperative that this plug be connected to a properly grounded, mating receptacle. If the receptacle is not the proper grounding type, an electrician should be contacted.

CLEANING

This machine must be cleaned after installation and before being put into service. Refer to CLEANING for instructions.

OPERATION

SAFETY

⚠ WARNING Safety devices incorporated in this machine must be in their correct operating position anytime the food cutter is in use.

The HAND KNOB (Fig. 1) must be tightened snugly against the knife unit.

The COMB must be positioned on the locking adapter as shown in Fig. 1.

The BOWL COVER (Fig. 2) must be closed over the bowl and securely locked by pressing down on the locking handle and turning it 90°.

The START-STOP switch (Fig. 2), which controls power to the food cutter, is mechanically interlocked with the BOWL COVER. The switch cannot be pulled to the ON position unless the bowl cover is locked in place. With the switch in the ON position, the bowl cover cannot be unlocked.

Always UNPLUG the power cord before cleaning or moving the food cutter.

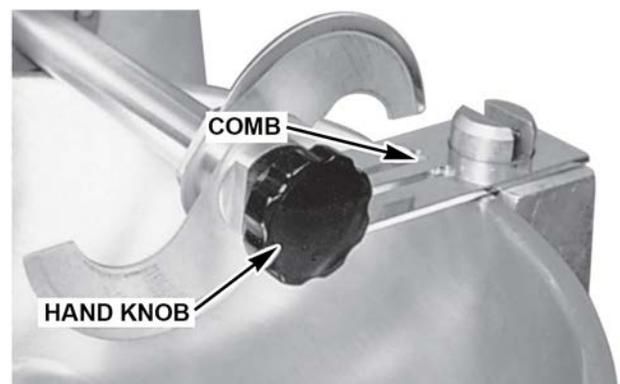


Fig. 1

OPERATION

Start the machine by pulling the START-STOP switch (Fig. 2). Gradually feed the product directly into the bowl as it rotates. The bowl cover is shaped to turn and mix products as the bowl rotates.

⚠ WARNING Hands must never be inserted under the bowl cover during operation of the machine, as sharp rotating knives are located under the bowl cover.

If additional mixing is desired, use a spatula (or similar utensil) to turn the product as it rotates past the bowl opening.

To unload the bowl, use a spatula to scrape the product into a bowl or pan from the bowl opening. This may be done while the bowl rotates or you may turn the machine on and off to rotate the product to the bowl opening.

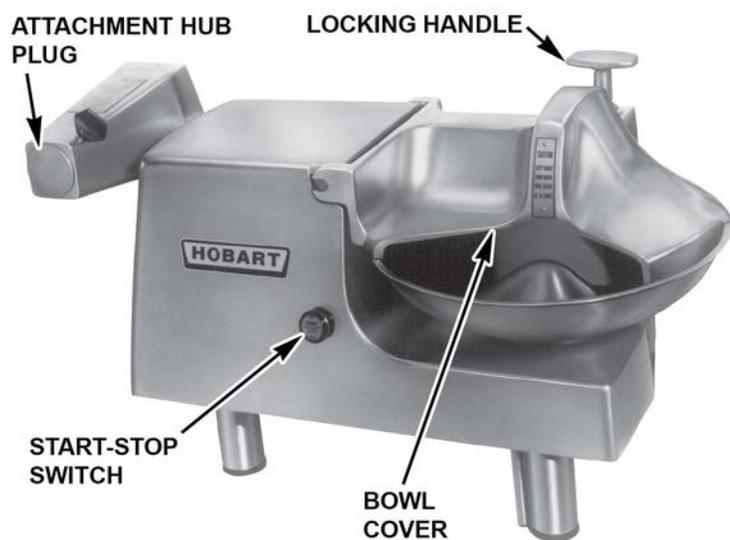


Fig. 2

ATTACHMENTS

NOTICE When using attachments, always fully extend the extension foot to the front position.

To install an attachment, loosen the thumb screw and remove the plug (Fig. 2) from the attachment hub. Make sure the attachment shaft lines up with the square attachment hub socket and insert the attachment. Tighten the thumb screw to secure the attachment.

Use the machine START-STOP switch to operate the attachment.

When removing the attachment, loosen the thumb screw and give the attachment a slight twist to unseat the attachment from the hub. Then pull straight forward to remove the attachment.

The Speed Drive attachment is for use only with the Vegetable Slicer attachment to increase its speed of operation. DO NOT use the Speed Drive with any other attachment.

CLEANING

The bowl, knives and attachments should be removed and washed after each use.

Unlock and raise the bowl cover.

⚠ WARNING Knives are sharp. Exercise extreme caution when handling knives.

Remove the comb.

Carefully turn the knife shaft so the knives are in a horizontal position. Remove the hand knob and carefully slide the knife unit off of the shaft.

Remove the bowl by rotating it clockwise to its stop and lifting it from the bowl support.

Thoroughly wash and rinse these items in a sink.

The food cutter should be wiped with a clean damp cloth and dried daily.

MAINTENANCE

⚠ WARNING Unplug machine power cord before beginning any maintenance procedure.

LUBRICATION

The motor has grease-packed bearings and requires no lubrication maintenance.

The attachment hub gear case and the bowl drive gear case should be checked occasionally. Contact your local Hobart Service Office.

**MODE
D'EMPLOI**

COUPE-ALIMENTS MODÈLE 84145

ML-33228



701 S. RIDGE AVENUE
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www.hobartcorp.com

FORMULAIRE 35019 Rév. A (août 2017)

Installation, Fonctionnement et Entretien COUPE-ALIMENTS – MODÈLE 84145

DOCUMENT À CONSERVER

GÉNÉRALITÉS

Les coupe-aliments modèle 84145 sont conçus pour traiter une grande variété de produits. À l'intérieur du bol rotatif de 14" (355 mm) en acier inoxydable, des couteaux coupent et mélangent les produits sous le couvercle. Le coupe-aliments actionnés is par un moteur de 1/2 H.P. et livrable pour le service de courant monphasé ou triphasé.

Le modèle 84145 comporte une prise d'entraînement n° 12. On peut y attacher divers accessoires Hobart dont le hachoir n° 12, le trancheur à légumes n° 12, le coupe-frites n° 12 et le multiplicateur de vitesse n° 12 (avec le trancheur à légumes n° 12 seulement).



INSTALLATION

DÉBALLAGE

Cette le coupe-aliments a été inspecté avant de quitter l'usine. En acceptant sa livraison, le transporteur prend l'entière responsabilité de le livrer en toute sécurité. Immédiatement après la livraison, vérifiez s'il a effectivement subi des dommages pendant le transport.

S'il s'avère que le coupe-aliments a été endommagé, veuillez suivre les procédures suivantes:

1. Le transporteur doit être averti dans les 5 jours ouvrables suivant la réception.
2. Les gens du terminus local du transporteur doivent être avisés immédiatement lors de la découverte des dommages (indiquez l'heure, la date et à qui vous avez parlé) et assurez le suivi en confirmant les faits par écrit ou par communication électronique.
3. Pour fins d'inspection, tout le matériel d'emballage original doit être conservé.
4. Le coupe-aliments ne doit pas avoir été déplacé, installé ou modifié.
5. Avisez le Service à la clientèle de Hobart immédiatement en faisant le (800) 333-7447.

Avant d'installer le coupe-aliments, s'assurer que l'alimentation électrique de l'immeuble corresponde aux spécifications de la plaque signalétique de la machine. Un jeu de l'épaisseur d'une feuille de papier doit être maintenue entre le tranchant des couteaux et le bol. Si les couteaux touchent au bol ou au couvercle, contacter le service d'entretien Hobart de votre localité.

EMPLACEMENT

Installer les pieds et placer la machine sur une surface solide et de niveau.

RACCORDEMENTS ÉLECTRIQUES

⚠ AVERTISSEMENT le cordon d'alimentation de cette machine est muni d'une prise à trois ou à quatre branches. Il est important qu'elle soit branchée correctement à une prise de courant correspondante et dotée d'une mise à la terre appropriée. Si le type de mise à la terre ne convient pas, contacter un électricien.

NETTOYAGE

Nettoyer la machine après l'installation et avant la mise en service. Voir la section NETTOYAGE.

FONCTIONNEMENT

SÉCURITÉ

⚠ AVERTISSEMENT le dispositif de sûreté doit idujours être en position de fonctionnement lorsqu'on utilise cette machine.

Le MANETTE (Fig. 1) doit être bien appuyée et serrée contre les couteaux.

Le PEIGNE doit être positionné dans le manchon de verrouillage tel qu'indiqué à la Fig. 1.

Le COUVERCLE DU BOL (Fig. 2) doit être refermé par dessus le bol et on doit le verrouiller solidement en abaissant la poignée de verrouillage et en la tournant de 90°.

L'interrupteur de MARCHE/ARRÊT (Fig. 2) qui actionne le coupe-aliments est mécaniquement enclenché par le COUVERCLE. On ne peut le placé en position de marche (ON) à moins que le couvercle soit verrouillé en place. Lorsque l'interrupteur est à la position de marche (ON), il est impossible de déverrouiller le bol.

Toujours DÉBRANCHER l'appareil avant de le nettoyer ou de le déplacer.

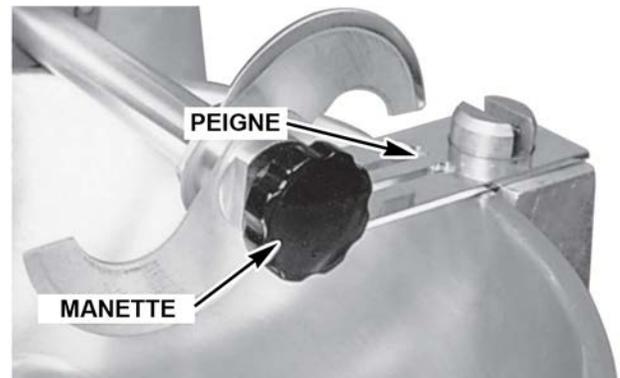


Fig. 1

FONCTIONNEMENT

Mettre la machine en marche en tirant sur l'interrupteur de MARCHE/ARRÊT (Fig. 2). Introduire graduellement les produits directement dans le bol à mesure qu'il tourne. Le couvercle est conçu de façon à faire tourner et à mélanger les produits pendant que le bol tourne.

⚠ AVERTISSEMENT Ne jamais mettre les mains sous le couvercle du bol pendant que l'appareil est en marche. Des couteaux rotatifs tranchants se trouvent sous le couvercle.

Si on désire mieux mélanger les produits, utiliser une spatule (ou un ustensile similaire) pour les tourner alors qu'ils passent dans l'ouverture.

Pour vider le bol, racler le produit par l'ouverture à l'aide d'une spatule dans une casserole ou un autre bol. On peut procéder ainsi lorsque le bol est en mouvement. On peut également arrêter et partir la machine afin d'amener les produits à l'ouverture.

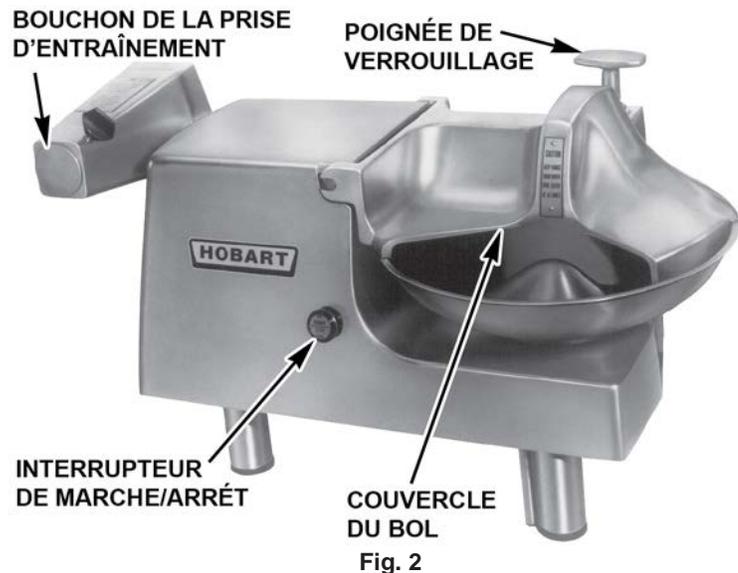


Fig. 2

ACCESSOIRES

AVIS Lorsqu'on utilise un accessoire, toujours étendre complètement le pied auxiliaire à la position avant.

Pour installer un accessoire, desserrer la vis à ailette et retirer le bouchon (Fig. 2) de la prise d'entraînement. Aligner l'arbre de l'accessoire dans le manchon carré dans la prise et l'engager dans ce dernier. Pour le détacher, serrer la vis à ailette.

Chaque accessoire fonctionne à l'aide de l'interrupteur de MARCHE-ARRÊT du coupe-aliments.

Pour l'enlever, desserrer la vis à ailette et le tourner légèrement pour le libérer du moyeu. Tirer ensuite en ligne droite pour l'enlever.

le multiplicateur de vitesse ne sert qu'au trancheur de légumes pour en accélérer la vitesse. NE PAS l'utiliser pour les autres accessoires.

NETTOYAGE

Retirer et laver le bol, les couteaux et les accessoires après chaque usage.

Déverrouiller et soulever le couvercle du bol.

AVERTISSEMENT les couteaux sont tranchants. Afficher une extrême prudence en les manipulant.

Retirer le peigne.

Tourner l'arbre du couteau avec soin de façon à placer les lames à l'horizontale. Retirer la manette et faire glisser avec soin les couteaux hors de l'arbre.

Retirer le bol en le tournant au maximum dans le sens des aiguilles d'une montre et soulever le support du bol.

Laver à fond ces pièces dans un évier.

Essuyer quotidiennement le coupe-aliments à l'aide d'un chiffon humide et le sécher.

ENTRETIEN

AVERTISSEMENT Débrancher la machine avant de procéder à l'entretien.

LUBRIFICATION

Le moteur est doté de paliers qui baignent dans la graisse et ne nécessite aucune lubrification.

Contactez le service d'entretien Hobart de votre localité pour une vérification occasionnelle des boîtes d'engrenage de la prise d'entraînement et du bol.

INSTRUCTIONS



MODEL 84186 FOOD CUTTER

ML-33764



701 S. RIDGE AVENUE
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www.hobartcorp.com

FORM 15476 Rev. A (August 2017)

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Installation, Operation and Care of MODEL 84186 FOOD CUTTER

SAVE THESE INSTRUCTIONS

GENERAL



The Model 84186 Food Cutter is designed to cut and mix a wide variety of products. With products in the rotating 18" stainless steel bowl, rotating knives cut and mix them inside the bowl cover. The food cutter is powered by a 1 horsepower motor and is available for single- or three-phase electrical service.

The Model 84186 is furnished with a #12 attachment hub. Various attachments for this model, available through Hobart, include: #12 Meat and Food Chopper; #12 Vegetable Slicer; #12 Dicer/French Fry Cutter; and #12 Speed Drive (for use with #12 Vegetable Slicer only).

INSTALLATION

UNPACKING

The food cutter was inspected before leaving the factory. The carrier assumes full responsibility for the safe delivery upon acceptance of the shipment. Check for possible shipping damage immediately after receipt.

If the food cutter is found to be damaged, complete the following steps:

1. Carrier must be notified within five business days of receipt.
2. Carrier's local terminal must be notified immediately upon discovery (note time, date, and who was spoken to), and follow up and confirm with written or electronic communication.
3. All original packing materials must be kept for inspection purposes.
4. The food cutter cannot have been moved, installed, or modified.
5. Notify Hobart customer care at (800) 333-7447.

Prior to installation, test the electrical service to assure that it agrees with the specifications on the machine data plate.

LOCATION

With the legs installed, place the machine on a sturdy, flat surface and level it by turning the adjustable feet as necessary.

ELECTRICAL CONNECTIONS

 WARNING The supply cord on this machine is provided with a three-prong or four-prong grounding plug. It is imperative that this plug be connected to a properly grounded, mating receptacle. If the receptacle is not the proper grounding type, an electrician should be contacted.

It is important to check knife clearance before turning on the machine for the first time. Refer to MAINTENANCE for instructions.

CLEANING

This machine must be cleaned after installation and before being put into service. Refer to CLEANING for instructions.

OPERATION

SAFETY

⚠ WARNING Safety devices incorporated in this machine must be in their correct operating position anytime the food cutter is in use.

The HAND KNOB (Fig. 1) must be tightened snugly against the knife unit.

The COMB must be positioned on the locking adapter as shown in Fig. 1.

The BOWL COVER (Fig. 2) must be closed over the bowl and securely locked by pressing down on the locking handle and turning it 90°.

The START-STOP switch (Fig. 2), which controls power to the food cutter, is mechanically interlocked with the BOWL COVER. The switch cannot be pulled to the ON position unless the bowl cover is locked in place. With the switch in the ON position, the bowl cover cannot be unlocked.

Always UNPLUG the power cord before cleaning or moving the food cutter.

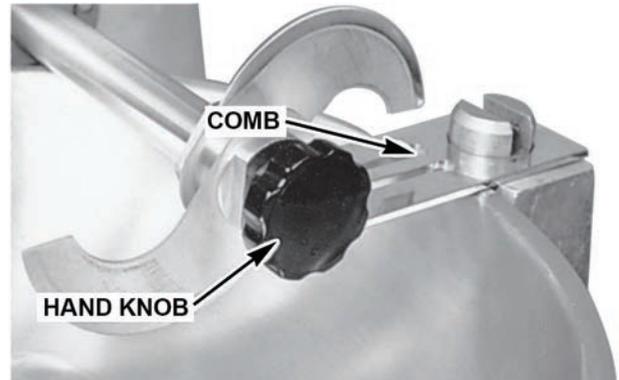


Fig. 1

OPERATION

Start the machine by pulling the START-STOP switch (Fig. 2). Gradually feed the product directly into the bowl as it rotates. The bowl cover is shaped to turn and mix products as the bowl rotates.

⚠ WARNING Hands must never be inserted under the bowl cover during operation of the machine, as sharp rotating knives are located under the bowl cover.

If additional mixing is desired, use a spatula (or similar utensil) to turn the product as it rotates past the bowl opening.

To unload the bowl, use a spatula to scrape the product into a bowl or pan from the bowl opening. This may be done while the bowl rotates or you may turn the machine on and off to rotate the product to the bowl opening.

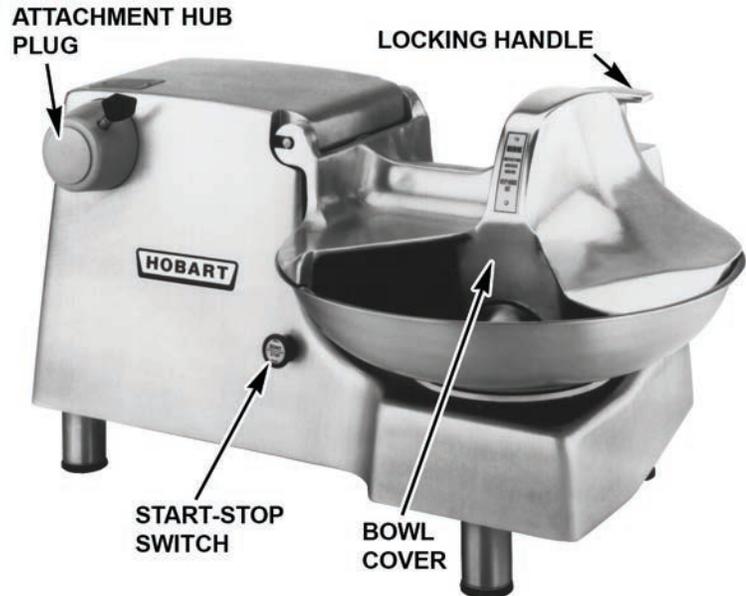


Fig. 2

ATTACHMENTS

To install an attachment, loosen the thumb screw and remove the plug (Fig. 2) from the attachment hub. Make sure the attachment shaft lines up with the square attachment hub socket and insert the attachment with a slight twist to seat the attachment pin in the alignment hole in the hub. Tighten the thumb screw to secure the attachment.

Use the machine START-STOP switch to operate the attachment.

The Speed Drive attachment is for use only with the Vegetable Slicer attachment to increase its speed of operation. DO NOT use the Speed Drive with any other attachment.

CLEANING

The food cutter should be wiped with a clean damp cloth and dried daily.

The bowl, knives and attachments should be removed and washed after each use.

Unlock and raise the bowl cover. Remove the comb.

Carefully turn the knife shaft so the knives are in a horizontal position. Remove the hand knob and carefully slide the knife unit off of the shaft.

 WARNING Knives are sharp. Exercise extreme caution when handling knives.

Remove the bowl by rotating it clockwise to its stop and lifting it from the bowl support.

Thoroughly wash and rinse these items in a sink. The knife unit should not be disassembled for cleaning.

Reassembly is a reversal of disassembly. When reinstalling the knife unit, make sure the slot in the knife hub is mated to the notch in the knife shaft and the hand knob is tightened securely.

MAINTENANCE

⚠ WARNING Unplug machine power cord before beginning any maintenance procedure.

LUBRICATION

The motor has grease-packed bearings and requires no lubrication maintenance.

The attachment hub gear case and the bowl drive gear case should be checked occasionally. Contact your local Hobart Service Office.

KNIFE ADJUSTMENT

⚠ WARNING Knives are sharp. Exercise extreme caution when handling knives.

The clearance between either knife and the bowl should be 0.010" to 0.050". To check clearance or make an adjustment, **UNPLUG POWER CORD**.

Unlock and raise bowl cover and remove the comb. With knives in a vertical position, check each knife individually at several points around the bowl.

If an adjustment is required, loosen the hand knob (Fig. 3), but do not remove it from the shaft. Hold a 1-7/16" open end wrench on the knife retaining bushing (Fig. 3) and loosen the locking collar (Fig. 3) with a second wrench. Gently tap heel of knife (Fig. 3) until proper clearance is reached. If clearance is too small, pull knife upward and repeat procedure. Adjust clearance of second knife as necessary. Retighten the locking collar and hand knob.

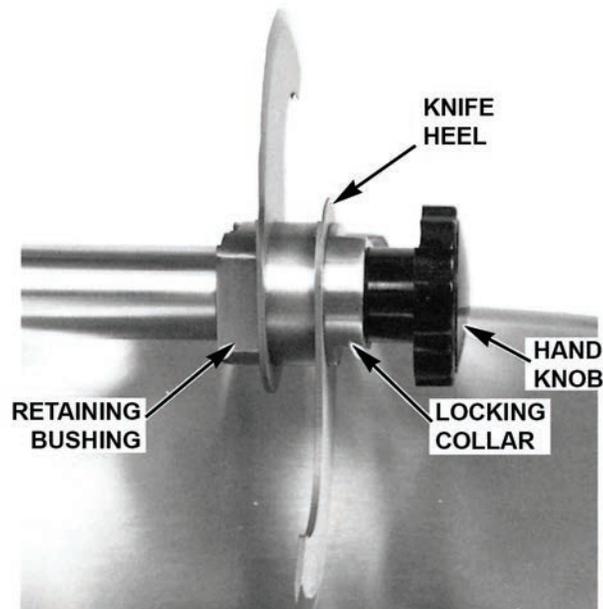


Fig. 3

It is very important to check the clearance of each knife at several points around bowl before running machine after an adjustment.

KNIFE SHARPENING

To sharpen knives, remove the unit from its shaft by removing the hand knob. It is not necessary to disassemble the knife unit. Use an ordinary carborundum (oil) stone to sharpen knives.

NOTES



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PLUGS AND RECEPTACLES FOOD MACHINES



PLUGS AND RECEPTACLES FOOD MACHINES

MACHINE VOLTAGES									
Service Current Requirement if Plug Connected	120/60/1	200/60/1	230/60/1	200/60/3 or 208/60/3		230/60/3		460/60/3	NOTES
	15 Amp.	208/60/1	15 Amp.	20 Amp.	30 Amp.	20 Amp.	30 Amp.	20 Amp.	
Terminal Designation of Plug	2 Pole 3 Wire Grdg.		2 Pole 3 Wire Grdg.	4 Pole 5 Wire Grdg.	4 Pole 5 Wire Grdg.	3 Pole 4 Wire Grdg.	3 Pole 4 Wire Grdg.	3 Pole 4 Wire Grdg.	
NEMA Plug Configuration	5-15P		6-15P	L21-20P	L21-30P	L15-20P	L15-30P	L16-20P	
Plug Configuration									
Molded Plug on Cord	Yes		Yes	No	No	No	No	No	
Plug-Straight/Angle	Straight		Straight	Straight	Straight	Straight	Straight	Straight	
NEMA Receptacle or Connector Configuration	5-15R		6-15R	L21-20R	L21-30R	L15-20R	L15-30R	L16-20R	
Choppers	4812	X		X	✓	✓		✓	
	4822	X			✓	✓		✓	
	4732A		✓	✓		X ▲	✓	✓	
Cutter Mixer	HCM450				X		X	X	
Fat Tester	F101	X		X					
Food Cutter	84145	X		X	X				
	84186	X		X	X			X	
Food Processors	FP41	X							
	HCM61	X *							5-20P
	HCM62						X		
	FP100	X							
	FP150	X							
	FP300	X							
	FP350	X							
Grinders	4146				✓		✓	✓	
	4246		X *	X *		X *	X	X	L6-30P, L15-30P
Mixer Grinders	MG1532		X *	X *		X *	X	X	L6-30P, L15-30P
	MG2032					X *	X	X	L15-30P
Mixers	N50	X		X					
	A120	X		X					
	A200/A200F	X		X					
	D300	X	✓	✓	✓		✓	✓	
	D340	✓	✓	✓	✓		✓	✓	
	H600	✓	✓	✓	✓		✓	✓	
	P660			Available 208 & 240/60/1 - No Cord		208-240/60/3 - No Cord			
	L800		✓	✓		✓		✓	
M802/V1401		✓	✓		✓		✓		
Peelers	6115	X		X					
	6430/6460			Available 208-240/60/1 - No Cord		208-240/60/3 - No Cord			✓
	6460M			Available 208-240/60/1 - No Cord		208-240/60/3 - No Cord			✓
Power Drive	PD35/70	X							
	6614	✓		Available 208-240/60/1 - No Cord		208-240/60/3 - No Cord			✓
Saws	6801			✓	Available 208-240/60/3 - No Cord				✓
	610	X							
Slicers	Edge™	X							
	2612	X		X					
	2712	X		X					
	2812	X							
	2912	X							

X Cord and Plug Standard ▲ Available as an option — not UL Listed * See notes column
 ✓ Available at specified voltage no cord and plug available ○ Optional cord and plug may be ordered

PLUGS AND RECEPTACLES FOOD MACHINES



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PLUGS			RECEPTACLES OR CONNECTORS				
NEMA Plug Configuration	Hubbell Part No.	Woodhead Part No.	NEMA Receptacle or Connector Configuration	Hubbell Part No.		Woodhead Part No.	
				Receptacle	Connector	Receptacle	Connector
5-15P	5266-C	—	5-15R	5262	5269-C	—	—
6-15P	5366-C	—	6-15R	5362	5669-C	—	—
L21-20P	2511	—	L21-20R	2510	2513	—	—
L21-30P	2811	—	L21-30R	2810	2813	—	—
L15-20P	2421	26W75	L15-20R	2420	2423	67W75	27W75
L15-30P	2721	28W75	L15-30R	2720	2723	69W75	29W75
L16-20P	2431	26W76	L16-20R	2430	2433	67W76	27W76

As continued product improvement is a policy of Hobart, specifications are subject to change without notice.

TROUBLESHOOTING - 84145 & 84186

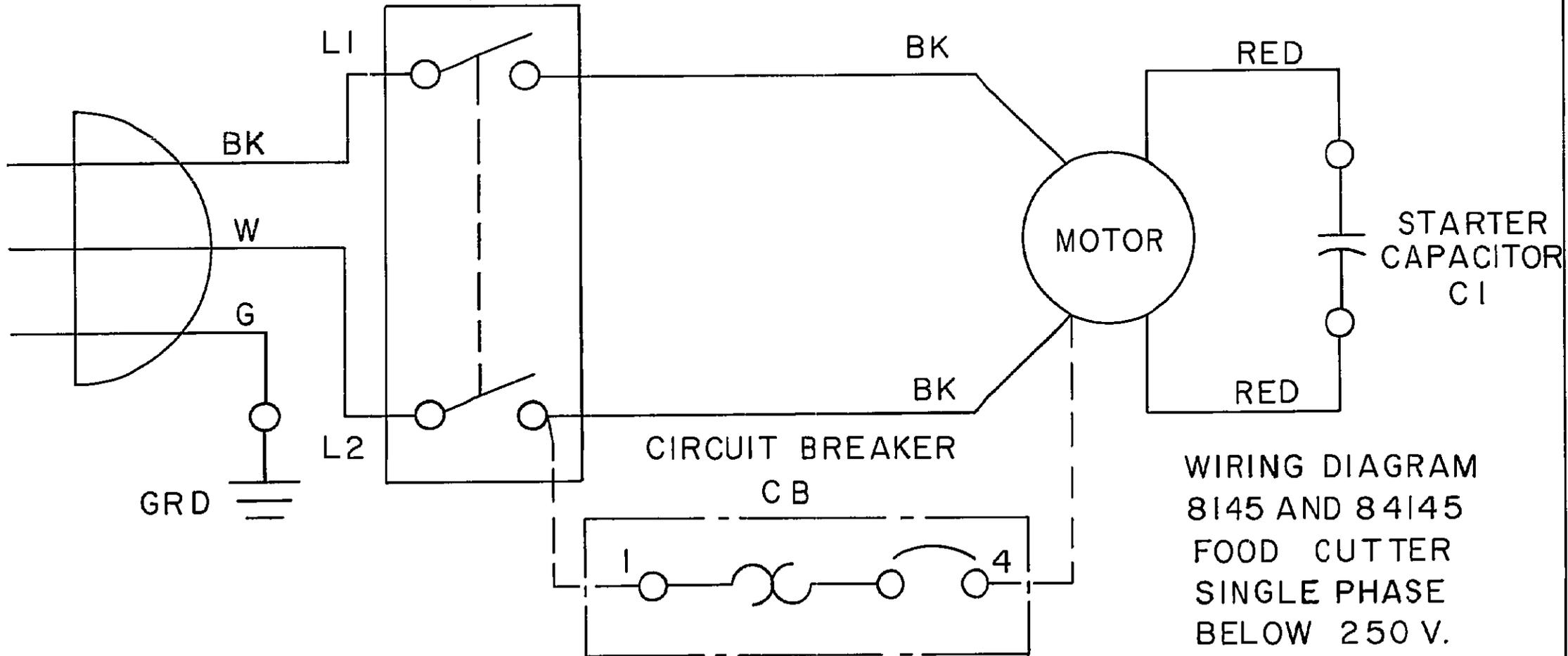
SYMPTOMS	POSSIBLE CAUSES
Motor runs in start windings.	<ol style="list-style-type: none"> 1. Starting switch shorted. 2. Rotating part of start switch not far enough onto the shaft. Prevents contacts of stationary part from opening.
Machine will not start.	<ol style="list-style-type: none"> 1. Incorrect voltage to the machine. 2. Plug not in the receptacle. 3. "On/Off" switch inoperative. 4. Coil on contactor open. 5. Capacitor inoperative. 6. Motor stator shorted or open. 7. Rotating part of starting switch inoperative. 8. Bowl interlock switch inoperative.
Motor runs backwards.	<ol style="list-style-type: none"> 1. Motor leads are switched.
Motor runs but bowl does not turn.	<ol style="list-style-type: none"> 1. Bowl drive belt broken. 2. Bowl to cover clearance not enough. 3. Bowl drive transmission frozen. 4. Flexa-Gear belt broken.
Motor runs but knife shaft does not turn.	<ol style="list-style-type: none"> 1. Flexa-Gear belt broken. 2. Knife shaft bearing frozen.
Oil leaking from bottom of unit.	<ol style="list-style-type: none"> 1. Seal defective in bowl drive transmission assembly.
Noise from motor.	<ol style="list-style-type: none"> 1. Rough or corroded bearings. 2. Incorrect voltage.
Attachment hub will not turn.	<ol style="list-style-type: none"> 1. Attachment hub gear teeth sheared.
Flexa-Gear belt noisy.	<ol style="list-style-type: none"> 1. Belt too tight. 2. Belt too loose.

WARNING

ELECTRICAL AND GROUNDING CONNECTIONS
MUST COMPLY WITH THE APPLICABLE PORTIONS
OF THE NATIONAL ELECTRICAL CODE AND/OR
OTHER LOCAL ELECTRICAL CODES.

ON/OFF SWITCH

S I



WIRING DIAGRAM
8145 AND 84145
FOOD CUTTER
SINGLE PHASE
BELOW 250 V.

CONNECT AS INDICATED WITH DASHED
LINES WHEN OPTIONAL CIRCUIT BREAKER IS USED.

HOBART
CORPORATION

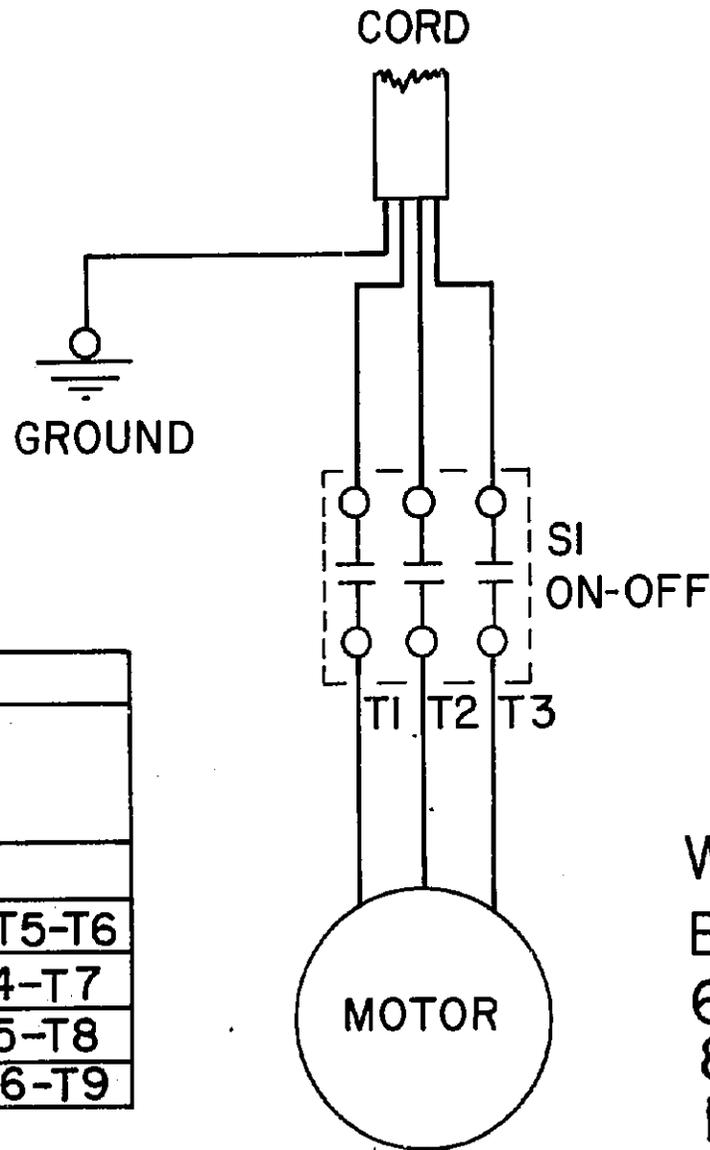
TROY, OHIO 45374

PROD. DWG. C-278204

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WARNING

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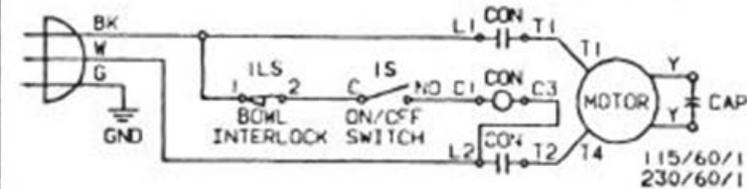
MOTOR CONNECTION DIAGRAM				
LINE VOLT-AGE	CONNECT			
200	L1-T1	L2-T2	L3-T3	
230	L1-T1-T7	L2-T2-T8	L3-T3-T9	T4-T5-T6
460	L1-T1	L2-T2	L3-T3	T4-T7
				T5-T8
				T6-T9

WIRING DIAGRAM
BELOW 480 V.
60HZ., 3 ϕ
8145 & 84145
FOOD CUTTER

PROD. DWG. C-117768



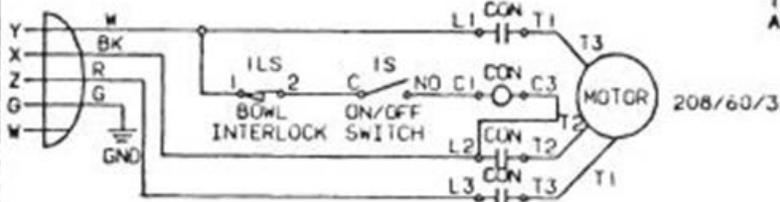
TROY, OHIO 45374



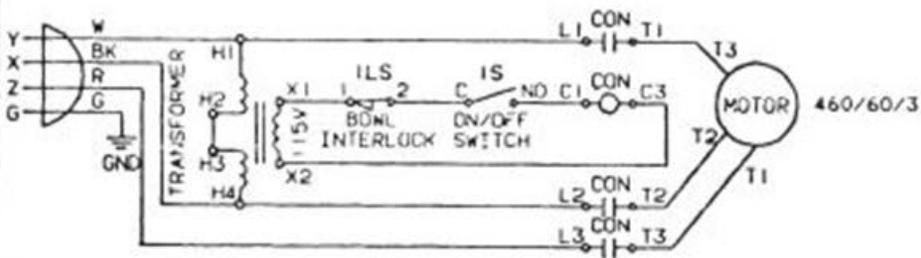
115/60/1
230/60/1

WARNING

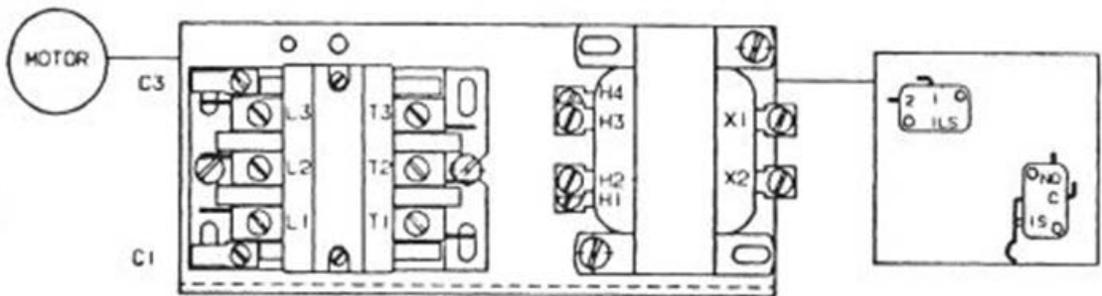
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208/60/3



460/60/3



ELECTRICAL DIAGRAM
8186 & 84186
FOOD CUTTER



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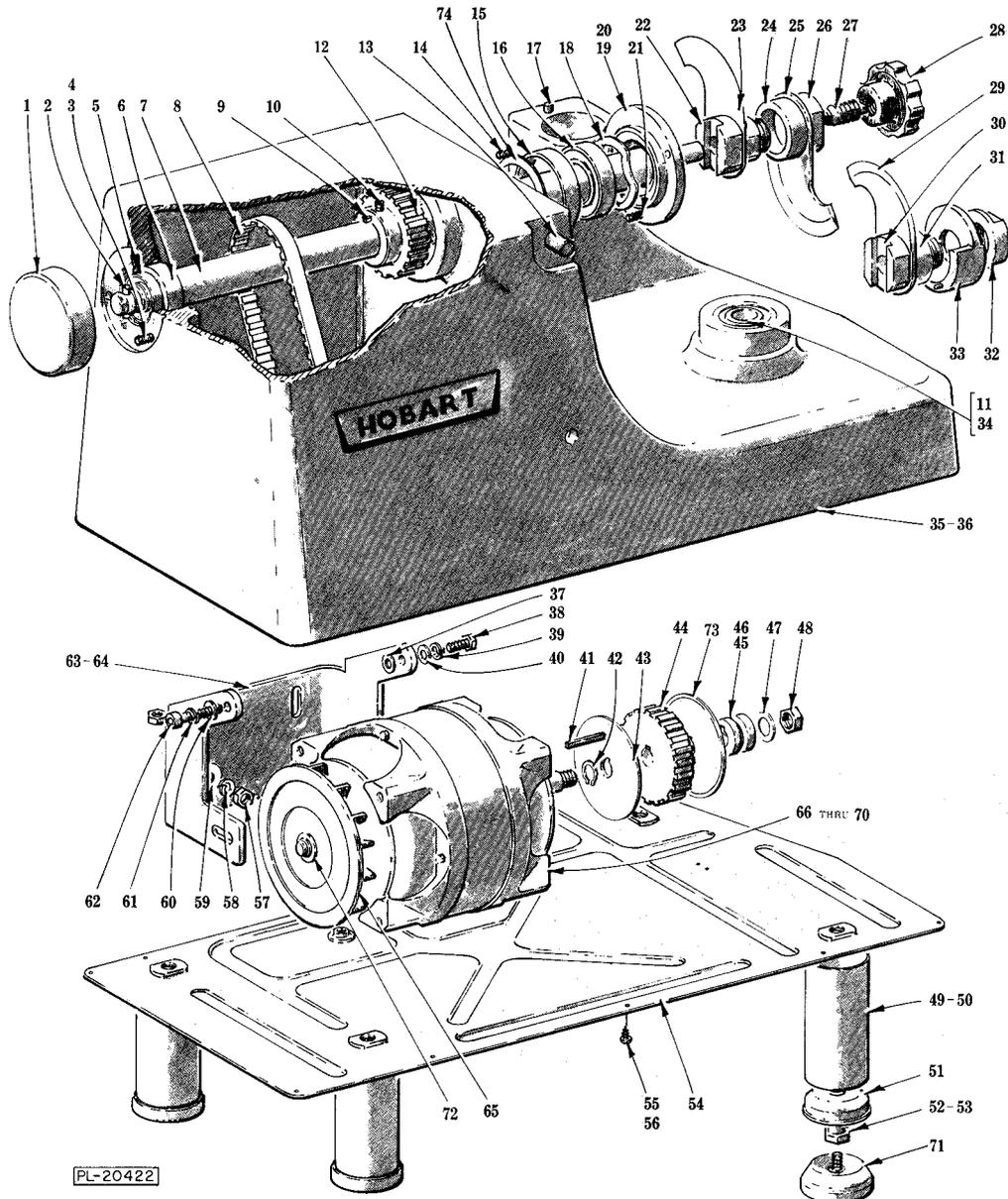


84145 Food Cutters

- ML-18492 (w/o Gear Attachment)
- ML-33220 (w/o Gear Attachment)
- ML-18595 (w/ Gear Attachment)
- ML-33221 (w/ Gear Attachment)

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11	HOBART BUILT MOTOR PARTS (3 PH.)
13	BOWL UNIT
15	SWITCH UNIT
17	ATTACHMENT HUB & EXTENSION FOOT



MOTOR AND BASE UNIT

MOTOR AND BASE UNIT

ILLUS. PL-20422	PART NO.	NAME OF PART	AMT.
*1	116636	Cover - Trim.....	1
2	RP-2-5	Rollpin 1/4 Dia. x 7/8 Lg.....	1
*3	SD-039-92	Screw, Spcl 10-14 x 1 1/2 Cross Head "Plastite".....	3
*4	WS-3-1	Washer.....	3
5	00-116657	Seal - Knife Shaft.....	1
6	BB-7-52	Ball Bearing - Fafnir #205KDD.....	1
7	116622	Shaft - Knife.....	1
8	116634	Belt - Timing (42T).....	1
9	12430-143	Key.....	1
10	SC-88-70	Set Screw 10-24 x 1/4 Soc. Hdls., Kn. Cup Pt.....	2
11	RR-7-7	Retaining Ring.....	2
12	00-116632	Pulley - Knife Shaft (20T).....	1
13	116644	Shaft - Bowl Cover Hinge.....	1
14	SC-47-82	Set Screw 10-32 x 3/16 Soc. Hdls., Cup Pt.....	1
15	00-077362	Insert - Bearing.....	1
16	BB-15-22	Ball Bearing - Fafnir #9107KDD.....	1
17	11800-242	Dowel.....	1
18	SL-3-10	Loading Spring - Wavy.....	1
19	00-116633	Cap - End.....	1
20	00-124669	Seal - Knife Shaft.....	1
21	SC-67-9	Mach. Screw 10-32 x 5/8 Trimmed Hex Hd.....	3
22	71313	Bushing - Knife Retaining.....	1
23	00-071309	Knife - Rotary (Leader).....	1
24	71312	Collar - Knife Retaining Bushing.....	1
25	00-071310	Knife - Rotary (Follower).....	1
26	71311	Collar - Locking.....	1
27	00-915661	Kit - Knob and Insert.....	1
28	00-915661	Kit - Knob and Insert.....	1
**29	17909	Knife - Rotary (Follower).....	1
**30	7157	Bushing - Knife Retaining.....	1
**31	103903	Collar - Knife Retaining Bushing.....	1
**32	103904	Locking Collar - Knife Ret. Bushing.....	1
**33	23680	Balance - Knife.....	1
34	BB-5-34	Ball Bearing - MRC 204SZZ.....	2
35	00-118088-00001	Base, Bearing & Logo Assy. (1 Ph.).....	1
36	118088-2	Base, Bearing & Logo Assy. (3 Ph.)(Give Serial No., Mach. Model & Elec. Spec.).....	1
37	WS-006-48	Washer - @.....	AR
38	SC-036-27	Cap Screw 5/16 -18 x 1 Hex Hd.....	2
39	WL-3-44	Lock Washer 5/16 Medium.....	2
40	WS-4-25	Washer.....	2
41	12430-64	Key.....	1
42	RR-7-21	Retaining Ring - Heavy Duty.....	1
43	00-116649	Flange - Motor Pulley.....	1
44	00-116650	Pulley - Motor Timing (20T).....	1
45	00-291589	Pulley - Motor Drive.....	1
46	117506	Pulley - Motor Drive (ML-18492 & ML-18595).....	1
47	WS-029-28	Washer.....	1
48	NS-017-30	Jam Nut 1/2-20 Hex Fin.....	1
49	77772-2	Leg (3").....	4
50	77772-1	Leg (4").....	4
51	64814	End Cap- Leg.....	4
52	290061-3	Stud - Leg (3").....	4
53	290061-2	Stud - Leg (4").....	4
54	00-116712	Bottom Cover & Weld Nut Assy.....	1
55	SD-24-44	Self-Tapping Scw 10-24 x 1/2 Pan Hd. Type TT.....	10

MOTOR AND BASE UNIT

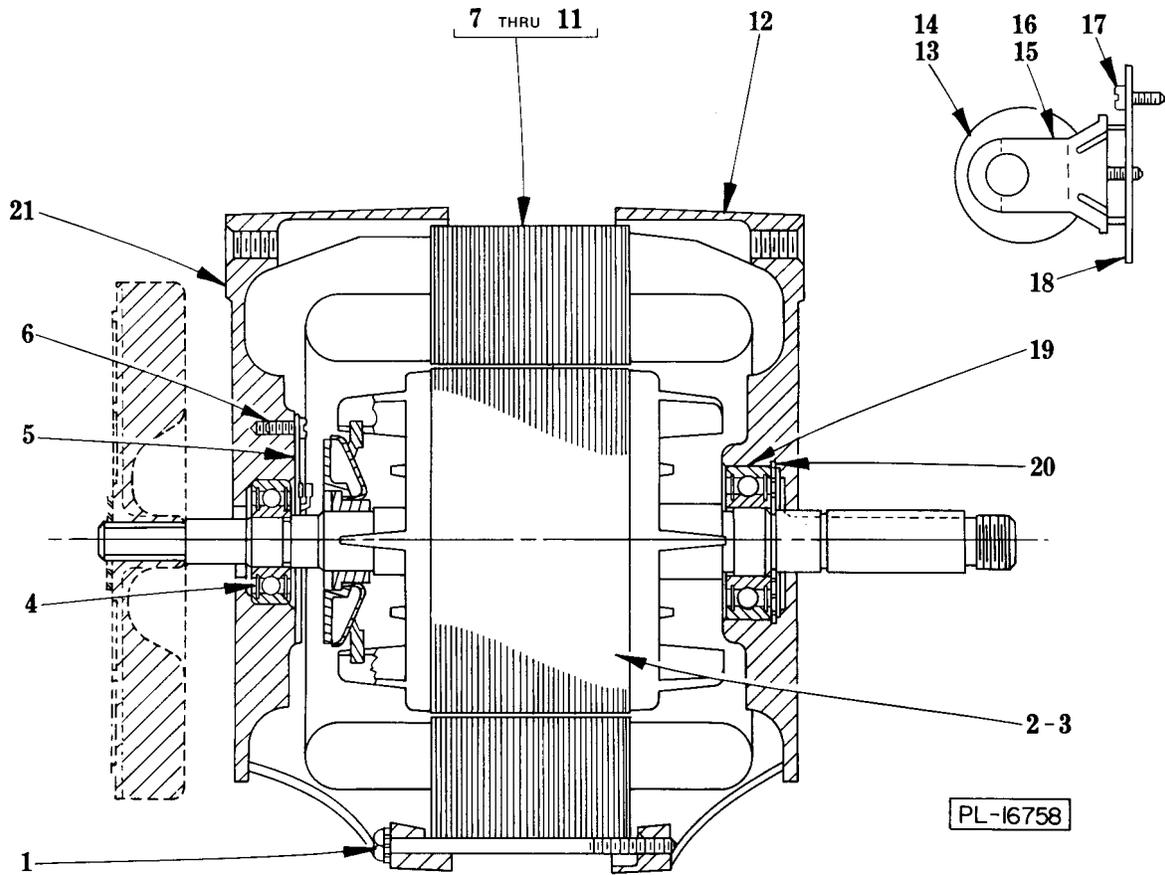
ILLUS.	PART NO.	NAME OF PART	AMT.
	PL-20422		
56	WL-10-6	Lock Washer 10 Ext. Shakeproof.....	1
57	NS-13-14	Full Nut 5/16-18 Hex Fin.....	4
58	WL-3-44	Lock Washer 5/16 Medium.....	4
59	291284	Washer.....	4
60	WS-4-25	Washer.....	2
61	WL-3-44	Lock Washer 5/16 Medium.....	2
62	SC-40-16	Cap Screw 5/16-18 x 1 Soc. Hd.....	2
63	00-117037-00001	Motor Bracket Assy.....	1
64	117037-2	Motor Bracket Assy. (Export) (50 Hz.).....	1
65	00-292466-00002	Fan - Ventilating.....	1
***66		Hobart Built Motor Assy. (All Voltages).....	1
67	00-293924-00001	Motor Assy.....	1
68	293924-2	Other than Hobart Built Motor Assy.(115/220/240 V., 50 Hz., 1 Ph.).....	1
69	293925-1	Other than Hobart Built Motor Assy.(230/460V,60Hz,3Ph)(220/380/240/415V,50Hz, 3Ph.).....	1
70	293925-2	Other than Hobart Built Motor Assy.(200V.,60Hz.,3Ph.).....	1
71	83681	Foot - Rubber.....	4
72	RR-007-18	Retaining Ring - Gripring.....	1
73	00-116649	Flange - Motor Pulley.....	1
74	RR-011-20	Retaining Ring.....	1
**	71386	Single Knife & Knife Balance Assy. (Incls. items 29 thru 33).....	1
	70487-1	Capacitor (Howell Motor).....	1
	66621-1	Bracket - Capacitor (Howell Motor).....	1

* For Machines without Gear Attachment ONLY.

** Single Knife Unit (Not NSF Approved). See BOWL UNIT PL-18878 for Comb.

*** Hobart Built Motor Assy. Discontinued. To replace order:
270473-1 - (60 Hz., 1Ph. & 100 V., 50 Hz., 1 Ph.)
270473-2 - (50 Hz., 1Ph. except 100 V., 50 Hz., 1 Ph.)
270473-3 - (60 Hz., 3 Ph. except 208 V., 60 Hz., 3 Ph.)
270473-4 - (60 Hz., 3 Ph. 208 V.)
270473-5 - (50 Hz., 3Ph.)

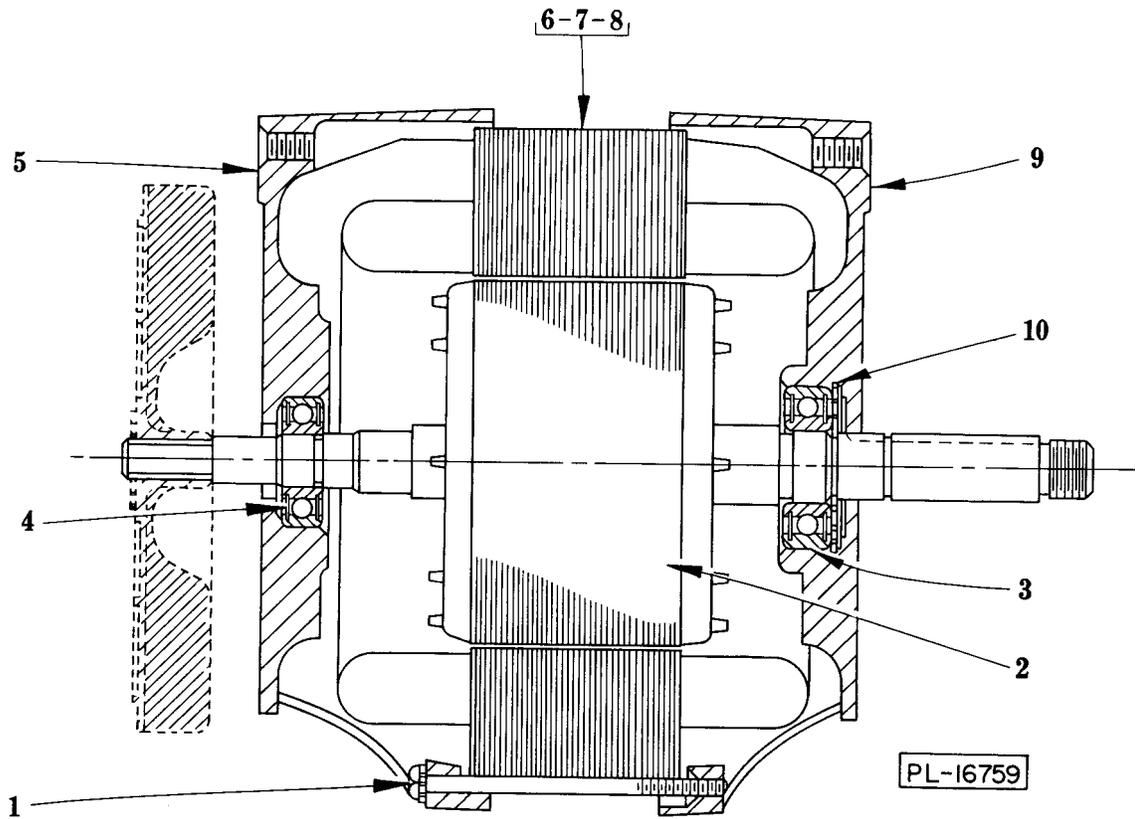
NOTES



**HOBART BUILT MOTORS PARTS
(1 PH.)**

HOBART BUILT MOTORS PARTS (1 PH.)

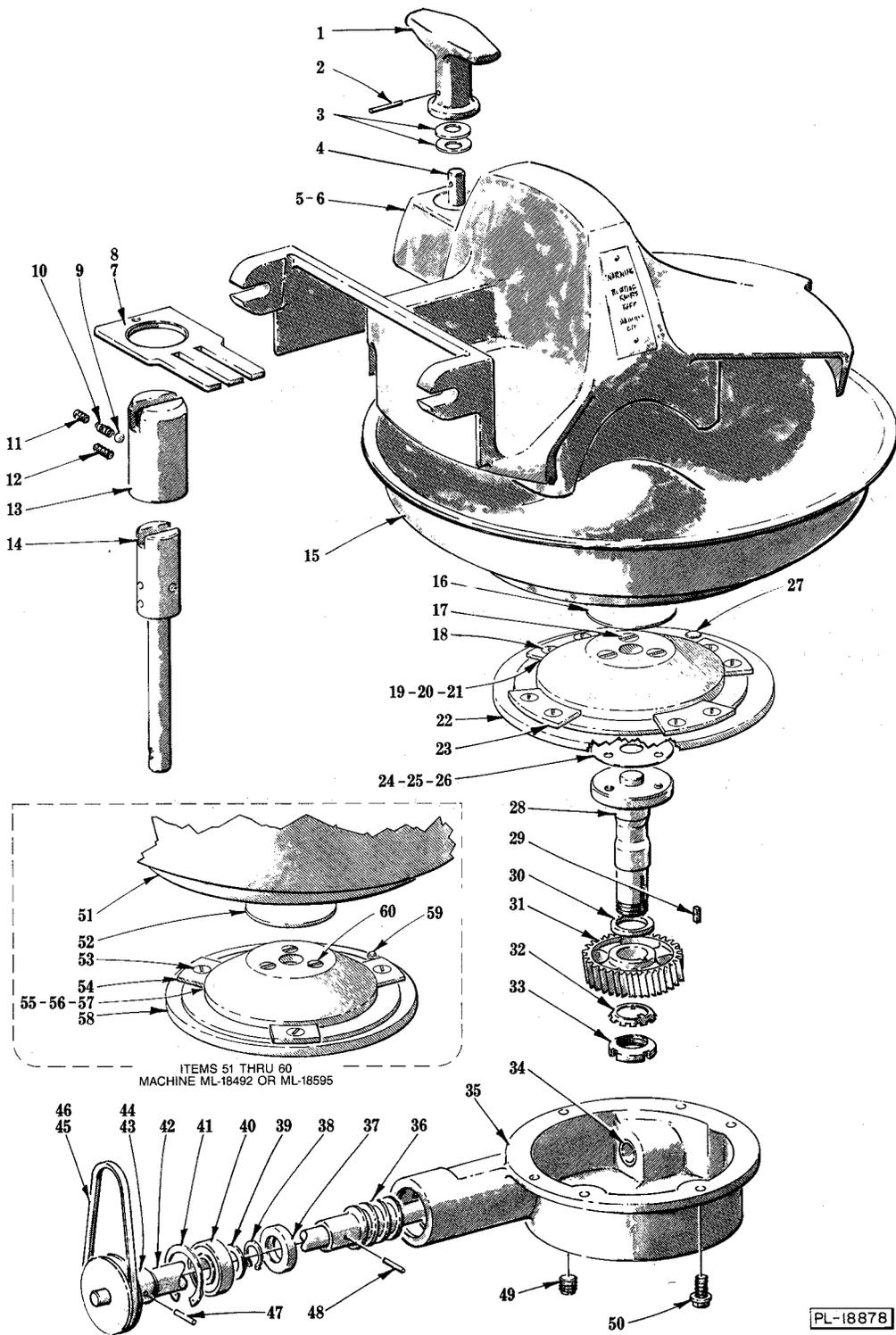
ILLUS. PL-16758	PART NO.	NAME OF PART	AMT.
1	00-101233-00003	Mach. Screw 8-32 x 3 Hex Washer Hd.....	4
2	22275-196	Rotor Assy. (60 Hz.).....	1
3	22275-200	Rotor Assy. (50 Hz.).....	1
4	BB-018-12	Ball Bearing - Fafnir #P201KDD.....	1
5	111688-4	Switch - Starting (Stationary Part).....	1
6	SD-9-34	Self-Tapping Screw 6-32 x 3/8 Phil. Pan Hd., Type F.....	2
7	65477-110-1	Stator Assy. (115 V., 60 Hz.; 100 V., 50 Hz.).....	1
8	65477-115-1	Stator Assy. (200 V., 60 Hz.).....	1
9	65477-115-2	Stator Assy. (230 V., 60 Hz.).....	1
10	65477-126-1	Stator Assy. (115 V., 50 Hz.).....	1
11	65477-126-2	Stator Assy. (220/240 V., 50 Hz.).....	1
12	00-111834	Bracket - Bearing (Drive End).....	1
13	70487-15	Capacitor.....	1
14	70486-1	Cap - Capacitor End.....	1
15	66621-3	Bracket - Capacitor.....	1
16	SD-24-16	Self-Tapping Screw 10-24 x 1/2 Phil. Flat Hd., Type TT.....	2
17	SD-15-4	Self-Tapping Screw 10-24 x 1/2 Phil. Hd., Type TT.....	2
18	116655	Plate - Elec. Mtg.....	1
19	BB-20-18	Ball Bearing - ND #77503.....	1
20	278380	Washer - Wavy.....	1
21	111835-2	NLA - Obsolete--Bracket - Bearing (Switch End).....	1



**HOBART BUILT MOTOR PARTS
(3 PH.)**

**HOBART BUILT MOTOR PARTS
(3 PH.)**

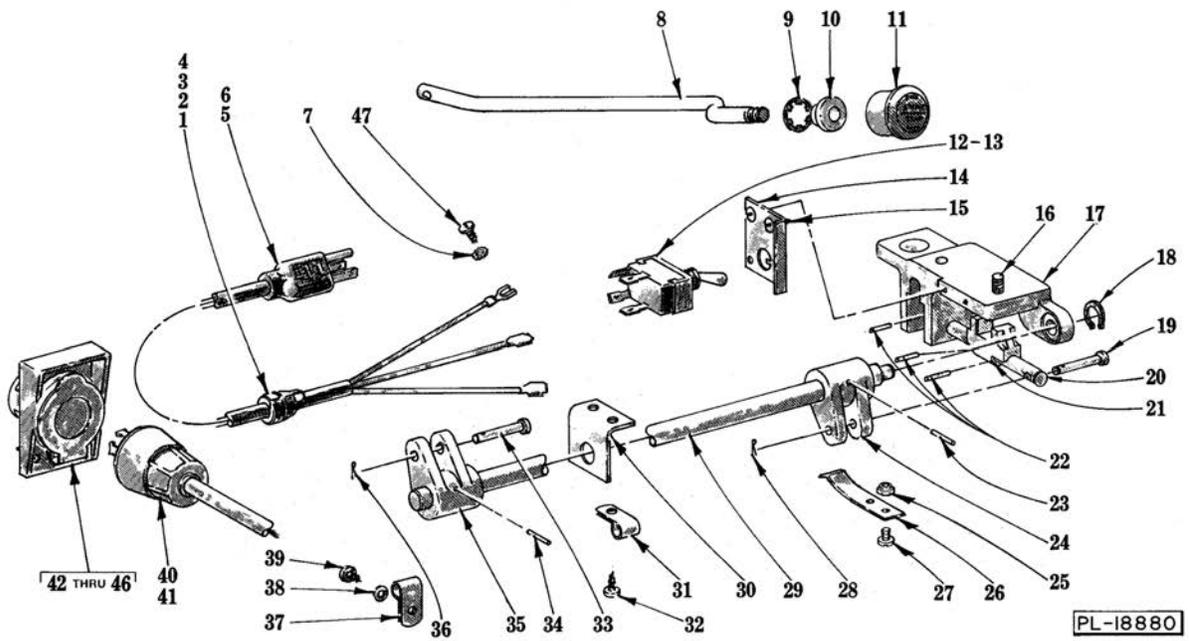
ILLUS. PL-16759	PART NO.	NAME OF PART	AMT.
1	00-101233-00003	Mach. Screw 8-32 x 3 Hex Washer Hd.....	4
2	15747-286	NLA - Obsolete--Rotor Assy.....	1
3	BB-20-18	Ball Bearing - ND #77503.....	1
4	BB-018-12	Ball Bearing - Fafnir #P201KDD.....	1
5	113905-2	NLA - Obsolete--Bracket - Bearing (Fan End).....	1
6	65478-107-1	Stator Assy. (200 V., 60 Hz.).....	1
7	65478-115-1	Stator Assy. (230/460 V., 60 Hz.).....	1
8	65478-116-1	Stator Assy. (220/240/380/415 V., 50 Hz.).....	1
9	113904-3	NLA - Obsolete--Bracket - Bearing (Drive End).....	1
10	278380	Washer - Wavy.....	1



BOWL UNIT

BOWL UNIT

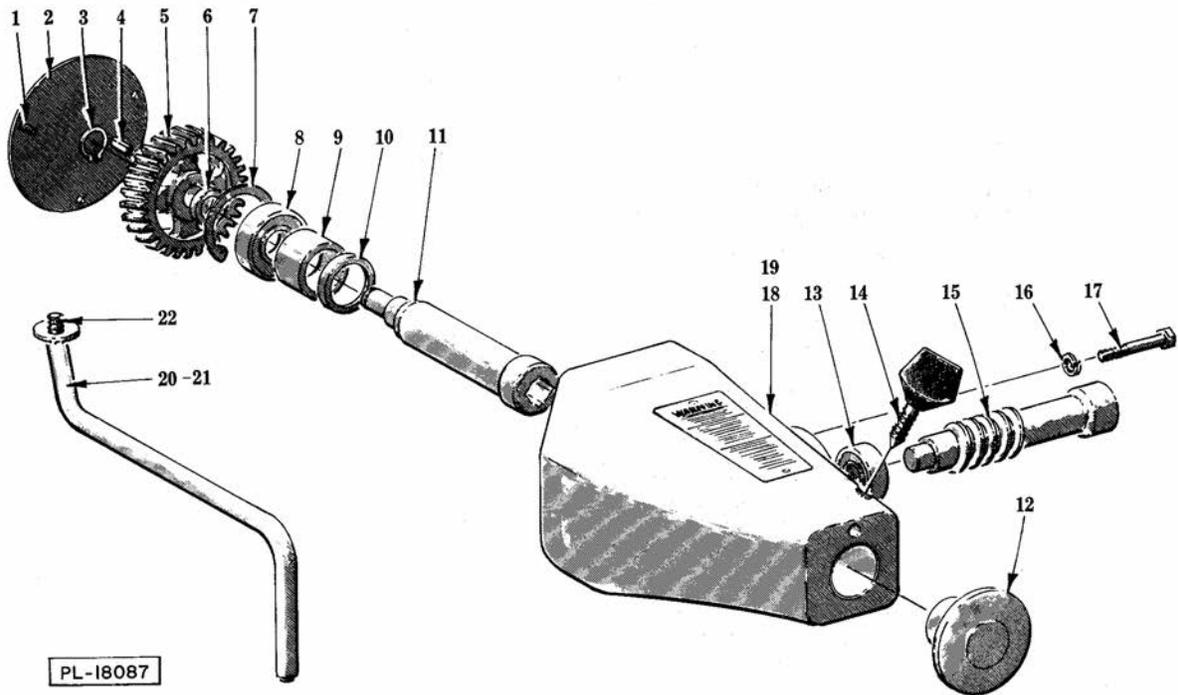
ILLUS.	PART NO.	NAME OF PART	AMT.
PL-18878			
1	116814	Knob - Locking.....	1
2	PG-3-27	Groov-Pin - Type A, 3/16 X 7/8.....	1
3	77374	Washer - Belleville.....	2
4	117168	Bolt - Interlock.....	1
5	118254	Bowl Cover & Warning Plate Assy. (60 Hz.).....	1
6	120262-2	Bowl Cover (50 Hz.).....	1
7	00-116642	Comb.....	1
8	118959	Comb (For Single Knife Only) (Not Shown).....	1
9	BA-2-10	Ball 1/4 Dia.....	1
10	77381	Spring - Ball Detent.....	1
11	SC-110-99	Set Screw 5/16-18 x 3/8 Soc. Hdls., Oval Pt.....	1
12	SC-111-01	Set Screw 5/16-18 x 1/2 Soc. Hdls., Cup Pt.....	1
13	77376	Adapter - Locking.....	1
14	00-116829	Interlock Control Shaft Assy.....	1
15	00-291586-00001	Bowl & Adapter Assy.....	1
16	116651	Cover - Bowl Support.....	1
17	SC-22-32	Mach. Screw 1/4-20 x 1/2 Flat Hd.....	3
18	SC-53-9	Mach. Screw 1/4-28 x 1/2 Truss Hd.....	8
19	00-116653-00003	Shim - Clamp (0.001 Thk.) (Amber).....	AR
20	00-116653-00001	Shim - Clamp (0.002 Thk.) (Red).....	AR
21	00-116653-00002	Shim - Clamp (0.003 Thk.) (Green).....	AR
22	291587-2	Support - Bowl (ML-33220 & ML-33221).....	1
23	78061	Clamp - Bowl Retaining (ML-33220 & ML-33221).....	4
24	116654-1	Shim - Support Shaft (.003" Thk., Green).....	AR
25	116654-2	Shim - Support Shaft (.005" Thk., Blue).....	AR
26	116654-3	Shim - Support Shaft (.010" Thk., Brown).....	AR
27	88417	Pin - Bowl Stop (ML-33220 & ML-33221).....	1
28	116627	Shaft - Bowl Support.....	1
29	12430-43	Key.....	1
30	116647	Spacer - Bowl Drive Shaft.....	1
31	116625	Gear - Bowl Drive (40T).....	1
32	WL-12-4	Lock Washer - N.D. #W-03.....	1
33	NS-34-4	Lock Nut - N.D. #N-03.....	1
34	BN-2-8	Needle Bearing - Torrington #B-108.....	1
35	116623	Case - Gear.....	1
36	77349	Worm - Bowl Drive (1T).....	1
37	116658	Seal - Bowl Drive.....	1
38	RR-4-18	Retaining Ring.....	1
39	WS-10-1	Washer.....	1
40	BB-5-30	Ball Bearing - N.D. #Z99503.....	1
41	RR-7-8	Retaining Ring.....	1
42	116626	Shaft - Bowl Drive.....	1
43	117507	Pulley - Bowl Drive (ML-18492 & ML-18595).....	1
44	291588-2	Pulley - Bowl Drive (ML-33220 & ML-33221).....	1
45	117503	"V" Belt (ML-18492 & ML-18595).....	1
46	BV-13-21	"V" Belt (ML-33220 & ML-33221).....	1
47	RP-3-14	Rollpin 3/16 Dia. x 7/8 Lg.....	1
48	RP-3-14	Rolipin 3/16 Dia. x 7/8 Lg.....	1
49	FP-28-42	Plug 1/8 Hex Soc. Hd. Pipe.....	1
50	SD-15-25	Self-Tapping Screw 1/4-20 x 5/8 Hex Washer Hd., Type TT.....	4
51	117107-1	Bowl & Adapter Assy. (ML-18492 & ML-18595).....	1
52	116651	Cover - Bowl Support.....	1
53	SC-53-9	Mach. Screw 1/4-28 x 1/2 Truss Hd.....	3
54	116639	Clamp - Bowl Retaining (ML-18492 & ML-18595).....	3
55	00-116653-00003	Shim - Clamp (0.001 Thk.) (Amber).....	AR
56	00-116653-00001	Shim - Clamp (0.002 Thk.) (Red).....	AR
57	00-116653-00002	Shim - Clamp (0.003 Thk.) (Green).....	AR
58	116619	Support - Bowl (ML-18492 & ML-18595).....	1
59	116660	Pin - Bowl Stop (ML-18492 & ML-18595).....	1
60	SC-22-32	Mach. Screw 1/4-20 x 1/2 Flat Hd.....	3
	118801	Scraper - Bowl.....	1



SWITCH UNIT

SWITCH UNIT

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-18880			
1	FE-7-21	Strain Relief (1 Ph.).....	1
2	FE-15-38	Strain Relief (230/460 V., 60 Hz., 3 Ph.).....	1
3	FE-8-21	Strain Relief (200 V., 60 Hz., 3 Ph.).....	1
4	FE-14-47	Strain Relief (3 Ph.) (50 Hz.).....	1
5	117542-21	Cord & Plug Assy. (115 V., 50/60 Hz., 1 Ph.).....	1
6	117542-22	Cord & PLug Assy. (230 V., 60 Hz., 1 Ph.).....	1
7	WL-7-12	Lock Washer #10 Ext. Shakeproof.....	1
8	116755	Rod - Upper Switch Control.....	1
9	RR-4-17	Retaining Ring.....	1
10	117705	Bushing - Switch Rod.....	1
11	120126	Pull Knob & Label Assy.....	1
12	87711-148-1	Switch (1 Ph.).....	1
13	87711-140-1	Switch (3 Ph.).....	1
14	116759	Bracket - Switch Mounting.....	1
15	SD-24-44	Self-Tapping Screw 10-24 x 1/2 Phil. Pan Hd., Type TT.....	2
16	SD-15-25	Self-Tapping Screw 1/4-20 x 5/8 Hex Washer Hd., Type TT.....	2
17	121844	Frame - Switch Interlock.....	1
18	RR-7-10	Retaining Ring.....	1
19	77390	Pin - Clevis.....	1
20	116640-1	Shaft - Switch Interlock.....	1
21	118953	Block - Switch Actuator.....	1
22	RP-002-12	Rollpin 1/8 Dia. x 1/2 Lg.....	3
23	RP-2-36	Rollpin 1/8 Dia. x 1 Lg.....	1
24	116713	Clevis (Switch Frame End).....	1
25	NS-31-3	Stop Nut 6-32 "Elastic".....	2
26	117636	Spring.....	1
27	SC-025-23	Mach. Screw 6-32 x 1/4 Slotted Bndg. Hd. (SST).....	2
28	PC-3-23	Cotter Pin 1/16 X 1/2.....	1
29	121843	Shaft - Switch Control.....	1
30	117633	Bracket - Switch Control Rod.....	1
31	78752-4	Clamp.....	1
32	SD-15-4	Self-Tapping Screw 10-24 x 1/2 Pan Hd., Type TT.....	2
33	77390	Pin - Clevis.....	1
34	RP-2-36	Rollpin 1/8 Dia. x 1 Lg.....	1
35	116713	Clevis (Switch Rod End).....	1
36	PC-3-23	Cotter Pin 1/16 X 1/2.....	1
37	78752-4	Clamp.....	1
38	WS-002-12	Washer.....	1
39	SD-024-13	Self-Tapping Screw 8-32 x 3/8 Pan Hd., Type TT.....	1
40	122292-3	Cord & Plug Assy. (200 V., 60 Hz., 3 Ph.).....	1
41	117612-5	Cord & Plug Assy. (230 V., 60 Hz., 3 Ph.).....	1
42	123816-3	Receptacle & Cover Assy. (200 V., 60 Hz., 3 Ph.).....	1
43	123805-3	Connector & Cover Assy. (200 V., 60 Hz., 3 Ph.).....	1
44	117631-3	Receptacle (200/230 V., 60 Hz., 3 Ph.).....	1
45	117625-3	Connector - Pendent (200/230 V., 60 Hz., 3 Ph.).....	1
46	117625-2	Connector - Pendent (460 V., 60 Hz., 3 Ph.).....	1
47	SD-24-1	Self-Tapping Screw 10-24 x 3/8 Pan Hd., Type TT.....	1
	121848-1	Frame & Switch Assy.(100V.,50 Hz.,1Ph.)(115/230V.,60Hz.,1Ph.)(Incls. items 12,14 & 17) 1.....	AR
	121848-2	Frame & Switch Assy.(200/230/460 V., 60 Hz., 3 Ph.) (incls. items 13, 14 & 17).....	1
	121848-4	Frame & Switch Assy.(115/230/240 V., 50 Hz., 1 Ph.) (incls. items 12, 14 & 17).....	1
	121848-5	Frame & Switch Assy.(220/240/380/415 V., 50 Hz., 3 Ph.) (Incls. items 13, 14 & 17).....	1
	117612-7	Cord & Plug Assy.(460 V., 60 Hz., 3 Ph.) (Not Shown).....	1
	117631-2	Receptacle (460 V., 60 Hz., 3 Ph.) (Not Shown).....	1
	117542-25	I.E.C. Cord (Not Shown).....	1



ATTACHMENT HUB & EXTENSION FOOT

ATTACHMENT HUB & EXTENSION FOOT

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-18087			
1	SC-53-2	Mach. Screw 10-24 x 1/2 Truss Hd.....	3
2	116641	Plate - Back (Attachment Hub).....	1
3	RR-4-18	Retaining Ring.....	1
4	12430-44	Key.....	1
5	116630	Gear - Attachment Drive (33T).....	1
6	116652	Spacer - Gear.....	1
7	RR-7-7	Retaining Ring.....	1
8	BB-018-43	Ball Bearing - Hoover #6204.....	1
9	83440	Bearing (Oil-less).....	1
10	70090	Seal - Oil.....	1
11	116629	Shaft - Attachment Hub Drive.....	1
12	114824-1	Plug - Attachment Hole.....	1
13	BB-005-16	Ball Bearing - #202K.....	1
14	108197-2	Thumb Screw Assy.....	1
15	116631	Shaft - Worm.....	1
16	WL-3-44	Lock Washer 5/16 Medium.....	3
17	SC-40-74	Cap Screw 5/16-18 x 2 Hex Soc. Hd.....	3
18	118255-1	Attachment Hub (Domestic) (incls. items 7, 8, 9 & 10).....	1
19	118255-2	Attachmnt Hub (Export) (Incls. items 7, 8, 9 & 10).....	1
20	117712-2	Extension Foot Assy. (Mach. with 3" Legs).....	1
21	117712-1	Extension Foot Assy. (Mach. with 4" Legs).....	1
22	119757	Shoulder Screw Assy.....	1



CATALOG OF REPLACEMENT PARTS



FOOD CUTTER

8186

ML-33892

ML-38753

84186

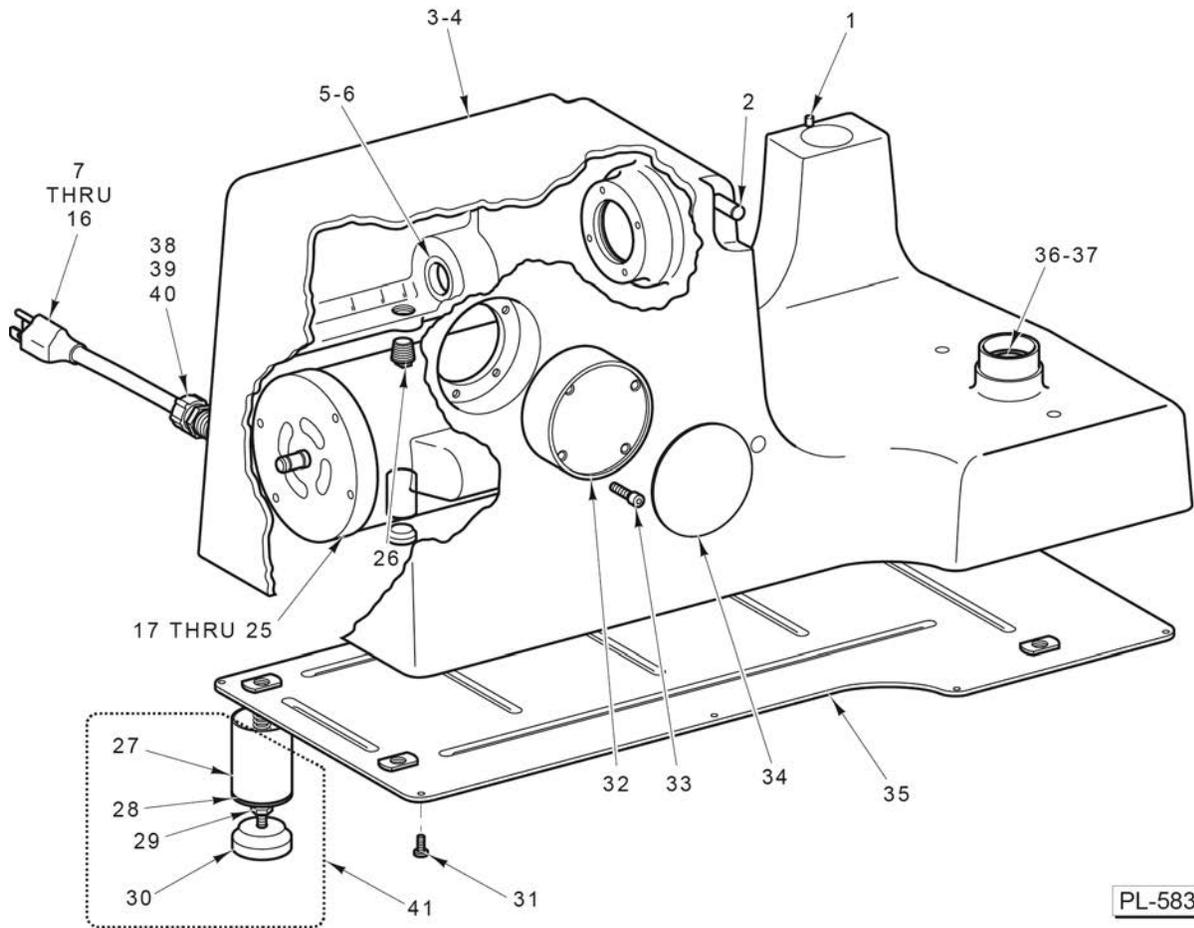
ML-33764

ML-38752

ML-136190

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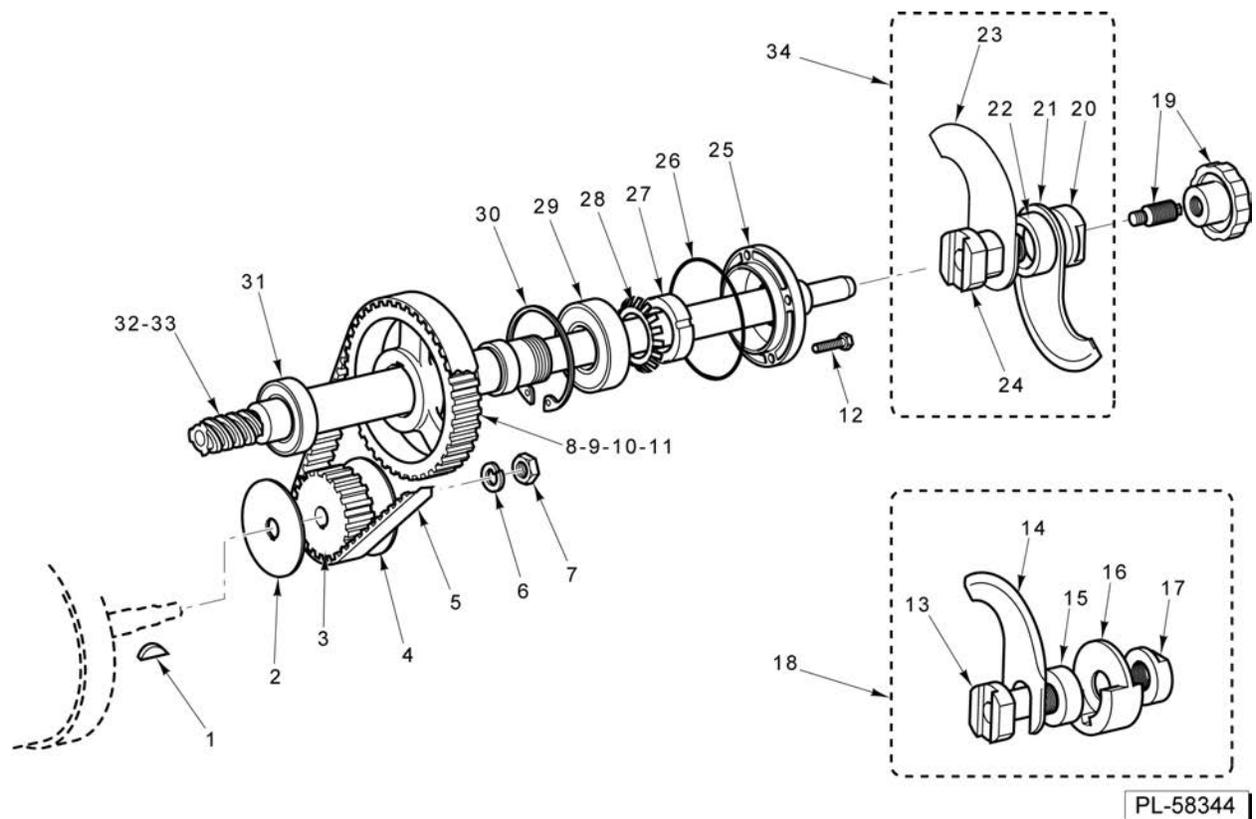


BASE UNIT

BASE UNIT

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-58348			
1	00-011800-00242	Dowel.....	1
2	00-116644-00002	Pin - Bowl Cover Hinge.....	1
3	00-291766	Base Assy. (84186).....	1
4	00-291766-00002	Base Assy. (8186).....	1
5	00-291701	Insert - Rear Bearing.....	1
6	00-291692	Seal - Knife Shaft (84186).....	1
7	00-117542-00021	Cord & Plug (115 V., 60 Hz., 1 Ph.).....	1
8	00-117542-00022	Cord & Plug (230 V., 60 Hz., 1 Ph.).....	1
9	00-117613-00006	Cord & Plug (200 V., 50/60 Hz., 3 Ph.).....	1
10	00-117542-00018	Cord & Plug (220/240 V., 60 Hz., 1 Ph.).....	1
11	00-122292-00003	Cord & Plug (208 V., 60 Hz., 3 Ph.).....	1
12	00-117542-00007	Cord & Plug (460 V., 60 Hz., 3 Ph.).....	1
13	00-117542-00024	Cord & Plug Assy. (230V., 50 Hz., 1 Phase).....	1
14	00-117613-00024	Cord Assy. (I.E.C.) (380 V., 50 HZ., 3 Ph.).....	1
15	SD-024-01	Self-Tapping Screw 10-24 x 3/8 Pan Hd., Type TT (Ground).....	1
16	WL-008-13	Lockwasher #10 Internal Shakeproof.....	1
*17		Hobart Built Motor Assy.....	1
18	00-293922-00001	Motor (115-230 V., 60 Hz., 1 Ph.).....	1
19	00-293922-00002	Motor (220/240 V., 50 Hz., 1 Ph.).....	1
20	00-293923	Motor (208/200/460 V., 60 Hz., 3 Ph.) & (200/380/415 V., 50 Hz., 3 Ph.).....	1
21	SC-041-16	Cap Screw 5/16-18 x 1 3/8 Hex Hd. (SST).....	2
22	WS-005-32	Washer (SST).....	2
23	00-291284	Washer - Toothed.....	4
24	WL-003-44	Lockwasher 5/16 Helical.....	4
25	NS-013-14	Nut 5/16-18 Hex.....	4
26	FP-028-18	Plug - Pipe 3/4 (84186).....	1
27	00-077772-00002	Leg.....	4
28	00-064814	Cap - Leg End.....	4
29	00-290061-00003	Stud - Leg.....	4
30	00-083681	Foot - Rubber.....	4
31	SD-024-44	Self-Tapping Screw 10-24 x 1/2 Phil., Pan Hd., Type TT.....	10
32	00-292032-00001	Plug - Attachment Hub (8186).....	1
33	SC-089-04	Cap Screw 1/4-20 x 1 Hex Hd. (8186).....	4
34	00-292068	Disc - Trim (8186).....	1
35	00-291684	Cover - Bottom Assy.....	1
36	RR-007-07	Retaining Ring.....	2
37	BB-005-34	Bearing - Ball (Hoover #NSK6204DDUCE1VS3).....	2
38	FE-008-20	Connector - Strain Relief (1 Ph.).....	1
39	FE-008-21	Connector - Strain Relief (3 Ph., Domestic).....	1
40	FE-015-38	Connector - Strain Relief (3 Ph., Export).....	1
41	00-290574	Kit - Leg (Incls Items 27 thru 30).....	1

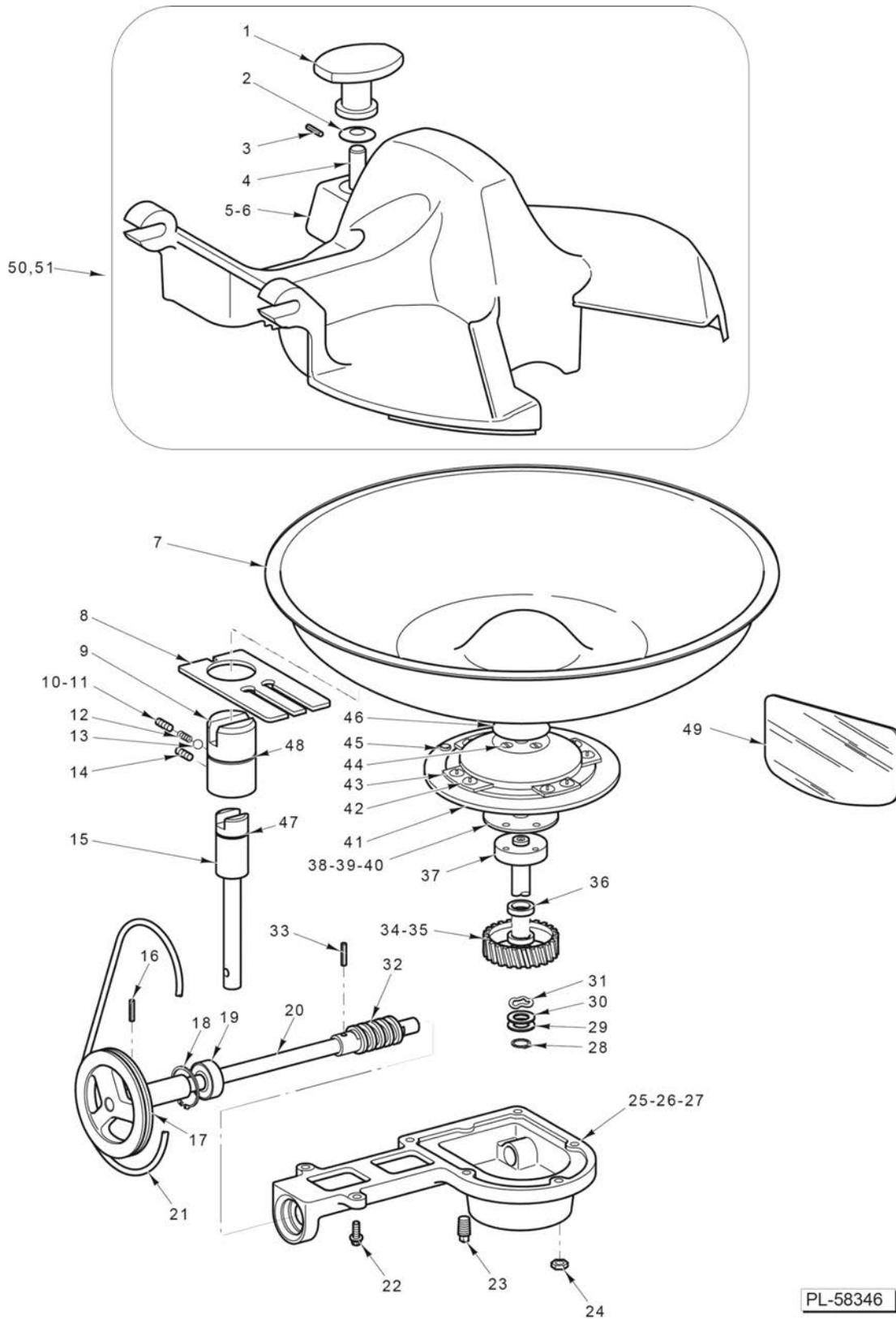
* Hobart Built Motor Assy. Discontinued. To replace, order: 00-270431-00001 (60 Hz. 1 Ph.); 00-270431-00002 (50 Hz. 1 Ph.); 00-270431-00003 (3 Ph.)



KNIFE DRIVE UNIT

KNIFE DRIVE UNIT

ILLUS. PL-58344	PART NO.	NAME OF PART	AMT.
1	KW-003-10	Key - Woodruff #606.....	1
2	00-077358	Flange - Flexa-Gear.....	1
3	00-077357	Gear - Drive (18T).....	1
4	00-077358	Flange - Flexa-Gear.....	1
5	00-077370	Gear - Flexa.....	1
6	WL-004-13	Lockwasher 1/2 Medium.....	1
7	NS-013-35	Nut 1/2-20 Hex.....	1
8	00-291634-00002	Gear - Driven (36T).....	1
9	00-012430-00142	Key 1/4 x 1/4 x 1.....	1
10	SC-110-99	Set Screw 5/16-18 x 3/8 Hdls., Oval Pt.....	2
11	SC-132-20	Set Screw M6 x 1.0 x 20mm (ML-136190).....	2
12	SC-067-08	Mach. Screw 10-24 x 7/8 Hex Hd.....	4
13	00-007157	Bushing - Knife Retaining (Not NSF Approved.).....	1
14	00-117675	Knife - Rotary (Follower) (Not NSF Approved.).....	1
15	00-103903	Collar - Bushing (Not NSF Approved.).....	1
16	00-118150	Balance Assy. & Pins (Not NSF Approved.).....	1
17	00-103904	Collar - Locking (Not NSF Approved.).....	1
18	00-117677	Knife Assy. - Single (Incls. Items 13-17).....	1
19	00-915661	Kit - Knob and Insert.....	1
20	00-071311	Collar - Locking.....	1
21	00-077373	Knife - Follower.....	1
22	00-071312	Collar - Knife Retainer Bushing.....	1
23	00-077372	Knife - Leader.....	1
24	00-071313	Bushing - Knife Retaining.....	1
25	00-291705	Cap - End (Knife End).....	1
26	00-067500-00115	O-Ring.....	1
27	NS-047-12	Lock Nut 3/8-18.....	1
28	WL-012-08	Lockwasher.....	1
29	BB-007-39	Bearing - Ball (N.D. #Z99507XR).....	1
30	RR-004-24	Ring - Retaining.....	1
31	BB-015-22	Bearing - Ball.....	1
32	00-270856	Shaft - Knife (With Attachment Hub).....	1
33	00-274303	Shaft - Knife (Without Attachment Hub).....	1
34	00-873616	Knife Assy. (Incls. Items 20-24).....	1

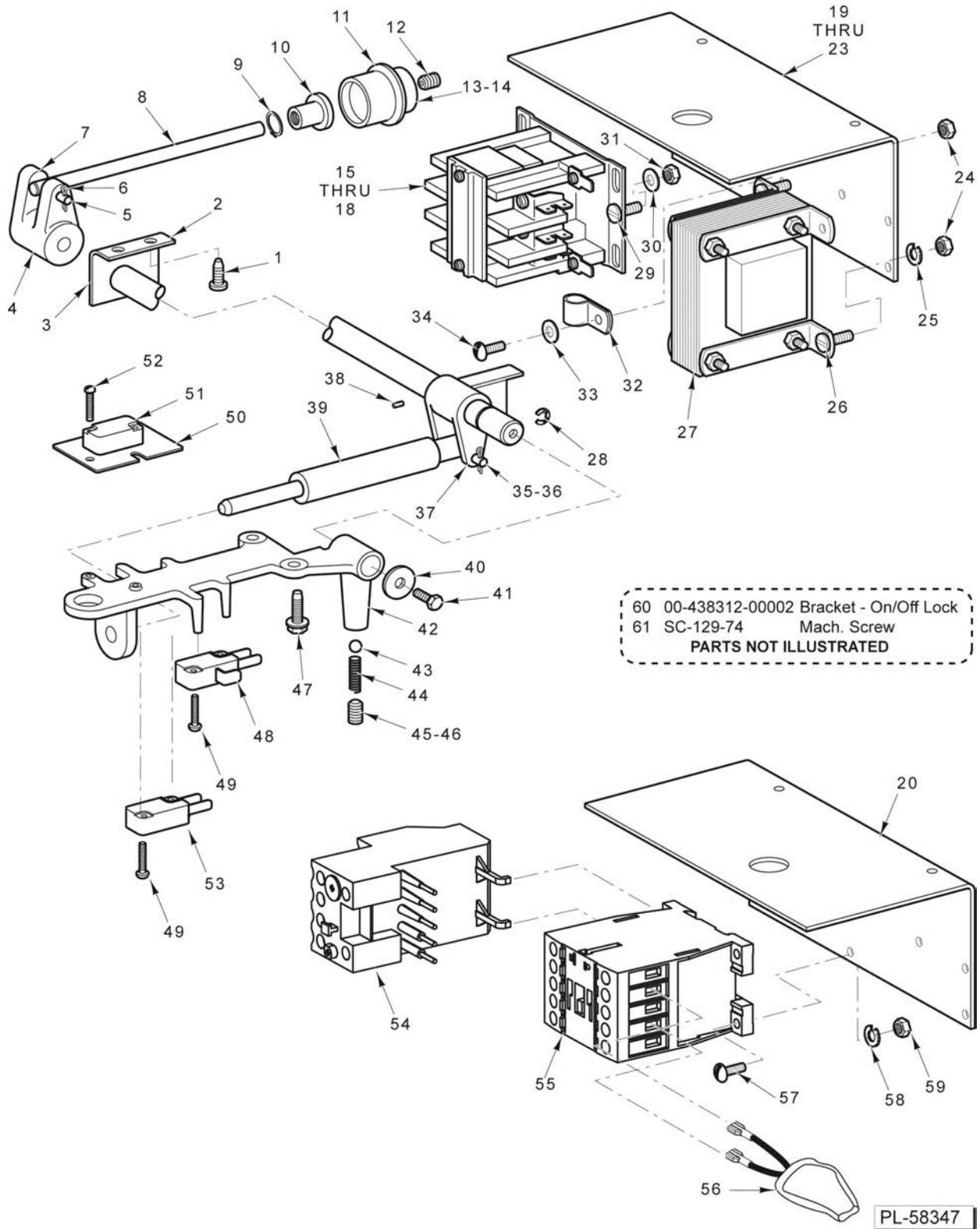


BOWL AND BOWL DRIVE UNIT

PL-58346

BOWL AND BOWL DRIVE UNIT

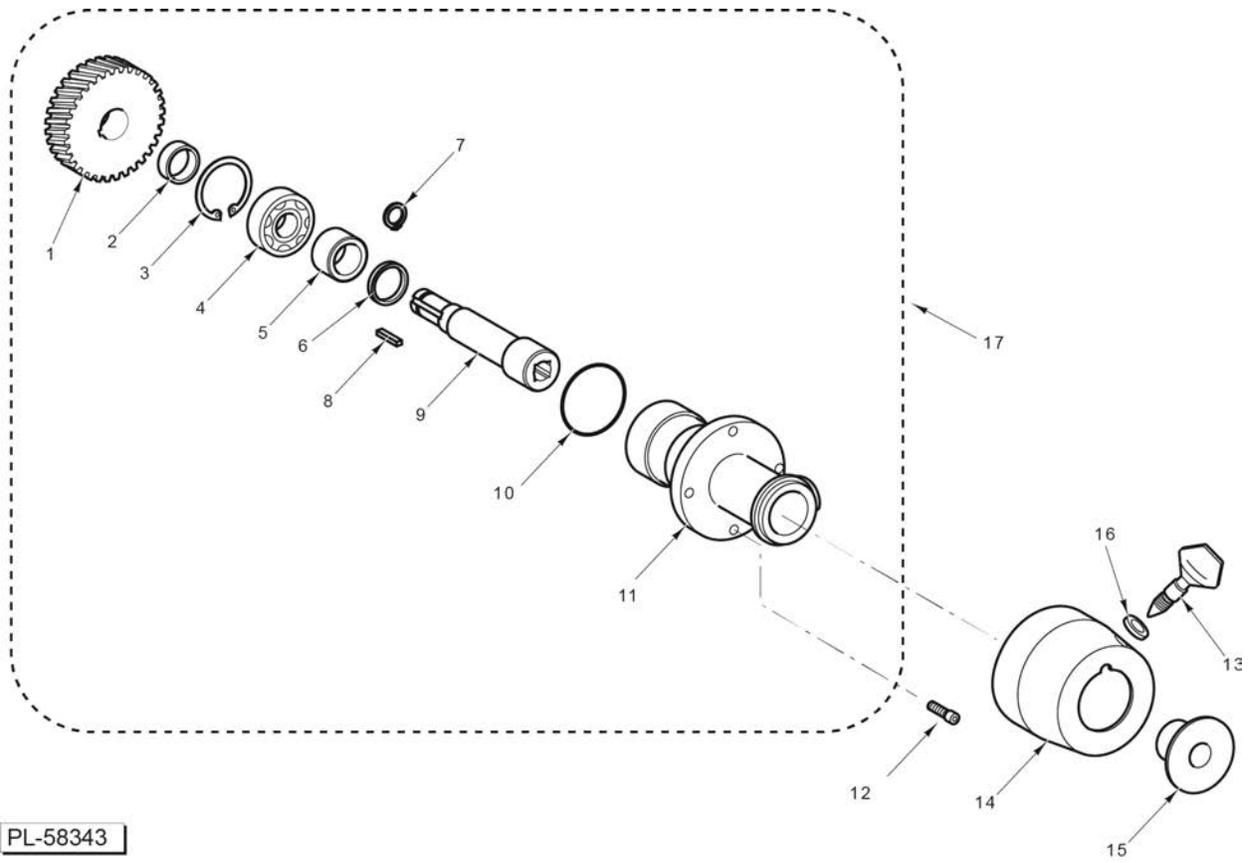
ILLUS.	PART NO.	NAME OF PART	AMT.
PL-58346			
1	00-116814	Handle - Locking.....	1
2	00-077374	Washer - Belleville.....	1
3	PG-011-16	Pin - Grooved 3/16 x 7/8 Type C (SST).....	1
4	00-117168	Bolt - Interlock.....	1
5	00-290570	Bowl - Cover & Caution Plate.....	1
6	00-124739-00002	Cover - Bowl (50 Hz.).....	1
7	00-290239	Bowl & Adapter Assy.....	1
8	00-123934	Comb.....	1
9	00-077376	Adapter - Locking.....	1
10	SC-064-23	Set Screw 5/16-18 x 3/8 Hex Hdls., Oval Pt. (Nylok).....	1
11	SC-132-20	Set Screw M6 x 1.0 x 20mm (ML-136190).....	1
12	00-077381	Spring - Ball Detent.....	1
13	BA-002-10	Ball 1/4 Dia. (SST).....	1
14	SC-064-13	Set Screw 5/16-18 x 3/4 Hex Hdls., Cup Pt. (Nylok).....	1
15	00-291776	Shaft - Interlock Control Assy.....	1
16	RP-003-14	Pin - Roll 3/16 x 7/8.....	1
17	00-291789-00002	Pulley - Horizontal Bowl Drive.....	1
18	RR-007-08	Retaining Ring.....	1
19	BB-005-30	Bearing - Ball.....	1
20	00-436488	Shaft - Horizontal Bowl Drive.....	1
21	00-291704	Belt - Round.....	1
22	SD-015-25	Self-Tapping Screw 1/4-20 x 5/8 Hex Washer Hd., Type TT.....	2
23	FP-028-42	Plug - Pipe 1/8.....	1
24	NS-013-14	Nut 5/16-18 Hex.....	6
25	00-291785	Case - Gear (Incls. Items 25 & 26).....	1
26	BN-002-09	Bearing - Needle.....	1
27	00-291686	Seal - Bowl Drive Gear.....	1
28	RR-004-20	Retaining Ring.....	1
29	WS-011-01	Washer.....	1
30	WS-010-20	Washer.....	AR
31	SL-003-02	Spring - Loading.....	1
32	00-077349	Worm - Horizontal Bowl Drive Shaft.....	1
33	RP-003-14	Pin - Roll 3/16 x 7/8.....	1
34	00-291693-00002	Gear - Vertical Bowl Drive (51T).....	1
35	00-012430-00047	Key 3/16 x 3/16 x 11/16.....	1
36	00-116647	Spacer - Bowl Drive.....	1
37	00-291773	Shaft - Vertical Bowl Drive.....	1
38	00-116654-00001	Shim (0.003 Thk.).....	AR
39	00-116654-00002	Shim (0.005 Thk.).....	AR
40	00-116654-00003	Shim (0.010 Thk.).....	AR
41	00-291587-00002	Support - Bowl.....	1
42	SC-053-09	Mach. Screw 1/4-28 x 1/2 Truss Hd.....	8
43	00-078061	Clamp - Bowl Support.....	4
44	SC-022-32	Mach. Screw 1/4-20 x 1/2 Slotted Flat Hd. (SST).....	3
45	00-088417	Pin - Bowl Stop.....	1
46	00-116651	Cover - Bowl Support.....	1
47	00-067500-00010	O-Ring.....	1
48	00-067500-00014	O-Ring.....	1
49	00-118801	Scraper - Bowl.....	1
50	00-290910-00001	Cover - Bowl & Locking Knob Assy. (Incls. Items 1 thru 5).....	1
51	00-290910-00002	Cover - Bowl & Locking Knob Assy. (Incls. Items 1 thru 4, & 6).....	1
52	00-436489	Shaft - Horizontal Bowl Drive Assy. (Incls. Items 16, 17, 19, & 20).....	1



SWITCH UNIT

SWITCH UNIT

ILLUS.	PART NO.	NAME OF PART	AMT.
PL-58347			
1	SD-024-44	Self-Tapping Screw 10-24 x 1/2 Pan Hd., Type TT.....	2
2	00-117633	Bracket - Switch Control Rod.....	1
3	00-291698	Shaft - Switch Control.....	1
4	RP-002-36	Pin - Roll 1/8 x 1.....	1
5	00-077390	Pin - Clevis.....	1
6	PC-003-23	Pin - Cotter 1/16 x 1/2.....	1
7	00-116713	Clevis.....	1
8	00-291697	Rod - On/Off.....	1
9	RR-004-17	Ring - Retaining.....	1
10	00-117705	Bushing - Switch Rod.....	1
11	00-120126	Knob - Pull & Label Assy. (Incls. Items 12 & 13).....	1
12	SC-047-95	Set Screw 5/16-18 x 1/4 Hdls., Cup Pt.....	1
13	00-119604	Label - Knob (Start/Stop).....	1
14	00-290955	Label - On/Off (Bi-Lingual).....	AR
15	00-087713-038-2	Contactor (30 A., 2 Pole) (115 V. Coil).....	1
16	00-087713-038-1	Contactor (30 A., 2 Pole) (220 V. Coil).....	1
17	00-087713-040-2	Contactor (30 A., 3 Pole) (115 V. Coil).....	1
18	00-087713-040-1	Contactor (30 A., 3 Pole) (220 V. Coil).....	1
19	SD-024-44	Self-Tapping Screw 10-24 x 1/2 Pan Hd., Type TT.....	2
20	00-270532	Bracket - Electrical.....	1
21	SC-027-30	Mach. Screw 8-32 x 1/2 Slotted Rd. Hd. (Brass).....	1
22	WL-008-13	Lockwasher #10 Internal Shakeproof.....	1
23	NS-009-12	Nut 8-32 Hex.....	1
24	NS-009-22	Nut 10-24 Hex.....	4
25	WL-003-24	Lockwasher #10 Medium.....	2
26	SC-018-01	Mach. Screw 10-24 x 3/8 Slotted Pan Hd.....	2
26	00-101935	Transformer - Step Down (VA-50) (380 V., 50 Hz., 3 Ph. / 460 V., 60 Hz., 3 Ph.).....	1
28	RR-004-25	Ring - Retaining.....	1
29	SC-018-01	Mach. Screw 10-24 x 3/8 Slotted Pan Hd.....	2
30	WL-003-24	Lockwasher #10 Medium.....	2
31	NS-009-22	Nut.....	10
32	00-078752-00012	Clamp 3/8.....	1
33	WL-008-13	Lockwasher #10 Internal Shakeproof.....	1
34	SC-008-10	Mach. Screw 10-24 x 1/2 Slotted Rd. Hd.....	1
35	PC-003-23	Pin - Cotter 1/16 x 1/2.....	1
36	00-077390	Pin - Clevis.....	1
37	00-291780-00001	Clevis - Switch End.....	1
38	RP-002-36	Pin - Roll 1/8 x 1.....	1
39	00-291757	Pin - Interlock Bar.....	1
40	WS-023-19	Washer.....	1
41	SC-068-07	Mach. Screw 10-24 x 3/8 Hex Hd.....	1
42	00-291700-00002	Frame - Switch Interlock.....	1
43	BA-002-10	Ball 1/4 Dia.....	1
44	00-077381	Spring - Ball Detent.....	1
45	SC-064-23	Set Screw 5/16-18 x 3/8 Hdls., Hex Hd., Oval Pt.....	1
46	SC-132-20	Set Screw M6 x 1.0 x 20mm (ML-136190).....	1
47	SD-015-25	Self-Tapping Screw 1/4-20 x 5/8 Hex Washer Hd., Type TT.....	2
48	00-087711-202-1	Switch - Miniature.....	1
49	SC-060-40	Mach. Screw 4-40 x 5/8 Slotted Rd. Hd.....	AR
50	00-291805	Insulator - Snap Switch.....	1
51	00-087711-201-2	Switch.....	1
52	SC-060-40	Mach. Screw 4-40 x 5/8 Slotted Rd. Hd.....	2
53	00-087711-202-1	Switch - Miniature (ML-136190 Only).....	1
54	00-914739-00002	Overload (ML-136190 Only).....	1
55	00-914738	Contactor (ML-136190 Only).....	1
56	00-438074-00002	Snubber Assy. (ML-136190 Only).....	1
57	SC-025-17	Mach. Screw 6-32 x 5/8 Slotted Bndg. Hd. (SST) (ML-136190 Only).....	2
58	WL-006-42	Lockwasher #6 Medium (ML-136190 Only).....	2
59	NS-011-07	Nut 6-32 Hex (SST) (ML-136190 Only).....	2
60	00-438312-00002	Bracket - On/Off Lock (Correctional Pkg.).....	1
61	SC-129-74	Mach. Screw 10-24 x 1/2 Tx. Button Hd. (SST) (Correctional Pkg.).....	4



PL-58343

ATTACHMENT DRIVE UNIT

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ILLUS.	PART NO.	NAME OF PART	AMT.
PL-58343			
1	00-291703	Gear - Attachment Hub (20 T).....	1
2	00-292031	Spacer - Attachment Hub.....	1
3	RR-006-02	Retaining Ring.....	1
4	BB-007-52	Ball Bearing.....	1
5	00-083440	Bearing - Powdered Iron.....	1
6	00-070090	Seal - Oil.....	1
7	RR-004-09	Ring - Retaining.....	1
8	00-012430-00047	Key - Attachment Hub.....	1
9	00-291689	Shaft - Attachment Hub.....	1
10	00-067500-00054	O-Ring.....	1
11	00-291635	Hub & Bearing Assy. (Incls. Items 5 & 6).....	1
12	SC-089-04	Cap Screw 1/4-20 x 1 Hex Hd.....	4
13	00-291702	Screw - Thumb Assy.....	1
*14	00-292908	Cap - Trim.....	1
15	00-917221	Plug - Attachment.....	1
16	00-079537	Grommet - Thumb Screw.....	1
17	00-291753	Hub - Attachment Assy. (Incls. Items 1 thru 11).....	1

* If replacing original trim cap order items 14 & 16.

