



Garbage Disposal Unit

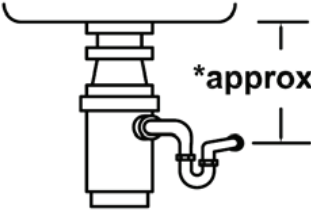
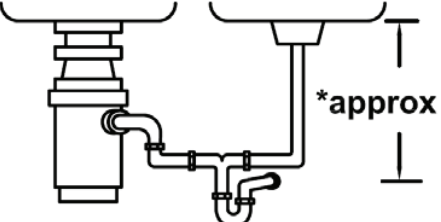
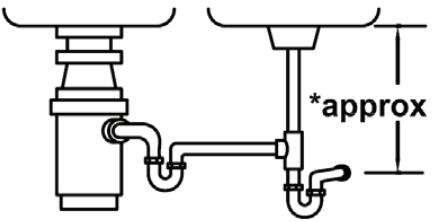
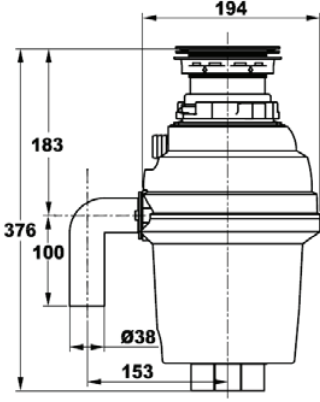
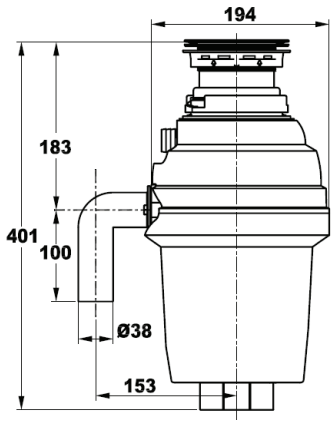
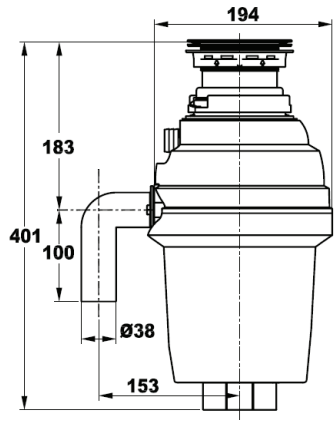
Installation & Operation Manual

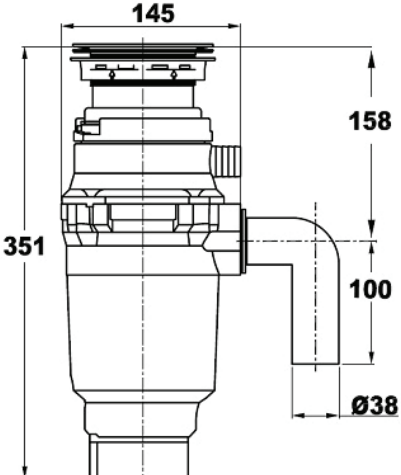


Applies to:

///	USA-WD2100	///
///	DSA-WD2000	///
///	DSA-WD3000	///
///	DSA-WD5000	///

TYPICAL INSTALLATIONS

*Dimensions are mm		
Heavy Duty	1/2 HP	254mm
Super Duty	3/4 HP	254mm
Deluxe	1-1/4 HP	254mm
SINGLE BOWL	DOUBLE BOWL CENTER OUTLET	DOUBLE BOWL END OUTLET
		
		

*Dimensions are mm	
Basic Model	
1/2 HP	
203mm	



SEE INSERT FOR SPECIFIC INFORMATION ABOUT YOUR NEW DISPOSER

NOTE: This Food Waste Disposer has been designed to operate with your appropriate household current exclusively. Using any other voltage or Hz adversely affects performance.

IMPORTANT: Read all instructions thoroughly. Keep this guide for reference.

CAUTION: Be sure to review instructions pertaining to a risk of fire, electric, shock or personal injury before using disposer.

RECORD IMPORTANT DISPOSER INFORMATION HERE

Model Number: _____ **Serial Number:** _____

*The above information appears on the label affixed to bottom of the disposer. For your convenience, write down the model and serial number prior to installation.

IMPORTANT SAFETY INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY. SAVE THESE INSTRUCTIONS.

WARNING – When using electrical appliances, basic precautions should always be followed, including the following:

1. Read all instructions before using the appliance.
2. To reduce the risk of injury, close supervision is necessary when an appliance is used near children.
3. Do not put fingers or hands into a waste disposer.
4. Turn the power switch to the off position before attempting to clear a jam or remove an object from the disposer, and pull out the plug.
5. When attempting to loosen a jam in a waste disposer, use a long wooden object such as a wooden spoon or the wooden handle of a broom or mop.
6. When attempting to remove objects from a waste disposer use long-handled tongs or pliers.
7. To reduce the risk of injury by materials that may be expelled by a waste disposer, do not put the following into a disposer: caustic drain cleaners or similar products; glass, china or plastic; large whole bones; metal, such as bottle caps, tin cans, aluminum foil or utensils; hot grease or other hot liquids.
8. When not operating a disposer, leave the stopper in place to reduce the risk of objects falling into the disposer.
9. DO NOT operate disposer unless splash guard is in place.
10. For proper grounding instructions see the ELECTRICAL CONNECTION portion of this manual.
11. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or authorized person in order to avoid hazard.

1. REMOVAL OF OLD UNIT

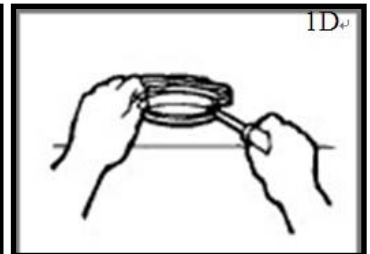
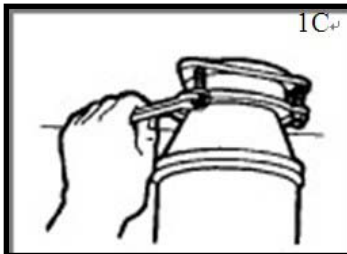
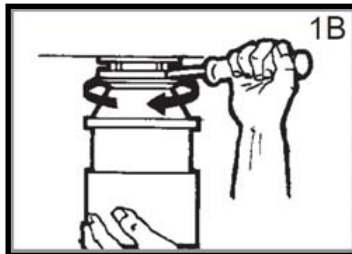
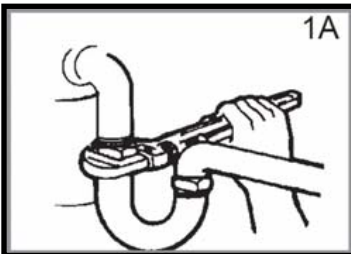
Typical instructions, your model may vary. Before starting this step, turn off electrical power at the circuit breaker or fuse box. Unplug disposer. If your old mount is the same type as the mount on your new disposer, just reverse the assembly instructions found in section 3. **If your new mount system is different, follow these instructions:**

- A.** Use a pipe wrench to disconnect drain line where it attaches to disposer discharge elbow (see 1A).
- B.** Remove disposer from sink flange by turning mount ring to the left clockwise (see 1B). If you are unable to turn the mount ring, tap on one of the extensions from the ring with a hammer. Some mounting systems have tubular extensions. Inserting a screwdriver into one tube will provide additional leverage for turning the mount ring (see 1B). Some disposers may require the removal or loosening of nuts from the mount screws (see 1C). Some disposers may require the removal of a clamp. **Caution: Be sure to support the disposer while performing this step or it may fall when the**

mounting ring is disconnected from the mounting assembly.

- C.** To remove remaining mount system from the sink, loosen mount screws, push mount ring up. Under it is the snap ring. Use screwdriver to pop off ring (see 1D). Remove mount ring, protector ring and gasket from sink flange. Some mounts will require the unscrewing of a large ring holding the sink flange in place. Pull sink flange up through sink and clean off old putty from sink.

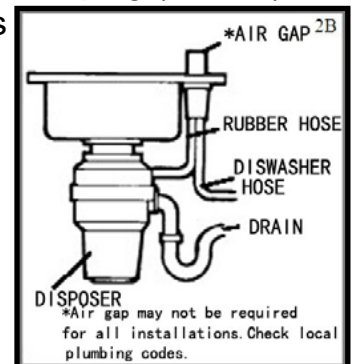
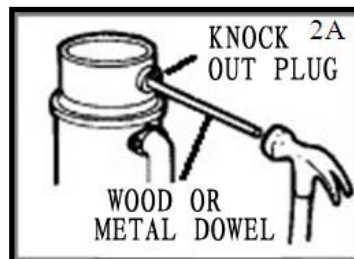
IMPORTANT: This is a good time to clean out the trap and drain lines by running a drain auger or plumber's snake before installing your new disposal.



2. DISHWASHER CONNECTION

If you are utilizing a dishwasher, complete the following procedure. If dishwasher is not to be connected go on to section 3.

- A.** Using a blunt instrument (steel punch or wooden dowel), knock out entire plug (see 2A). Do not use a screwdriver or sharp instrument. When knockout plug falls into disposer, you may remove it or grind it up when the disposer is used. This will not damage the disposer in any way, but may take some time to grind).
- B.** Connect dishwasher hose (see 2B) using hose clamp. Make sure all plumbing connections are tight and in accordance with all plumbing codes and ordinances. Run water and check for leaks.

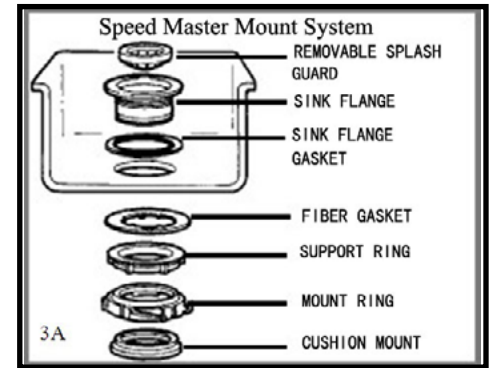


3. INSTALLATION OF MOUNTING ASSEMBLY

READ COMPLETELY BEFORE STARTING

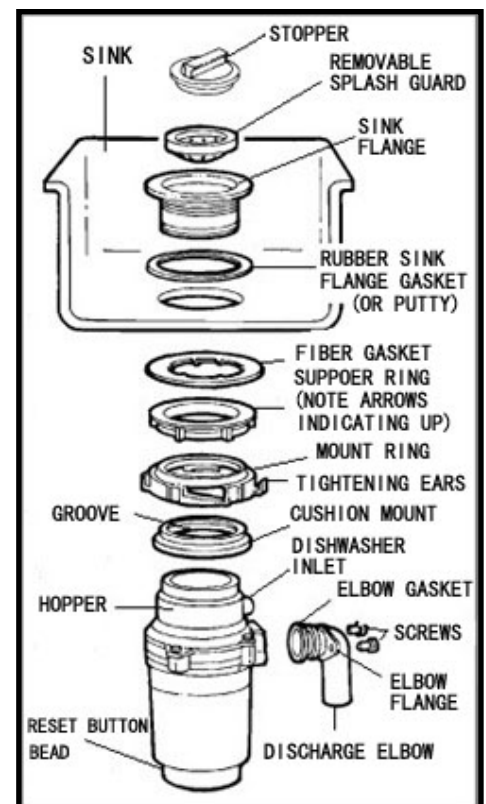
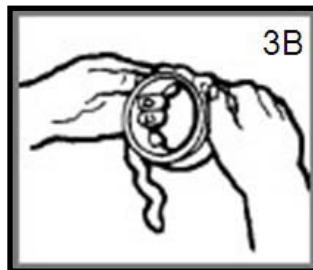
NOTE: Pay close attention to the order of mount assembly parts, as they have been correctly assembled by the factory (see 3A). Also, reference the cushion mount detail in illustration 3G for the proper position of the cushion mount.

NOTE: Try practicing this assembly before you get under the sink to get the “feel” of how the parts fit together.



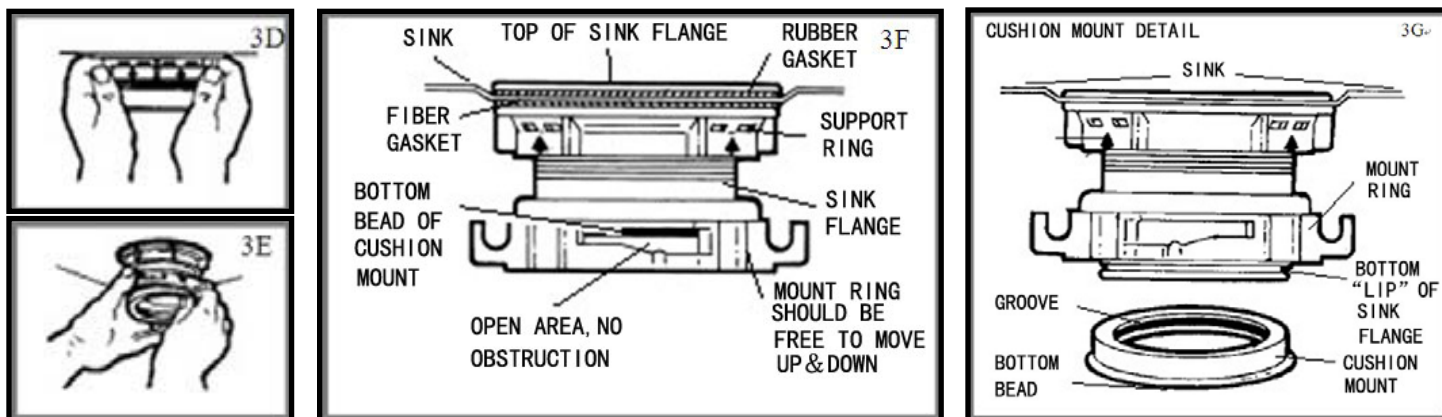
SPEED MASTER MOUNT SYSTEM

- A.** Disassemble mount assembly from disposer by turning mount ring to the left (clockwise) and remove.
- B.** Raise mount ring toward top of sink flange. Remove cushion mount. remove mount ring. You may want to practice installing the cushion mount at this point before you are under the sink. See paragraph H. Also see the “Important Notice: Cushion Mount Detail.”
- C.** Unscrew support ring from sink flange and remove fiber gasket. You are now left with sink flange and rubber gasket.
- D.** The rubber gasket is used instead of plumbers putty with stainless steel sinks. Other sinks will require putty.
- E.** If no putty is used, insert sink flange through rubber gasket into sink opening. Do not rotate sink flange once it is seated.
- F.** If you use putty instead of the gasket, form a ring around underside of sink flange (see 3D). Insert flange into sink opening, press down hard to squeeze out excess putty (see 3B). From under sink; trim off excess putty flush with bottom edge of sink opening.
- G.** From underneath sink, slip fiber gasket onto exposed sink flange. With arrows pointing up, screw support ring onto the sink flange, hand tighten until the sink flange will not move. At this point you may want to insert stopper in sink and fill with water to check sink flange seal and ensure there are no leaks.
- H.** Place mount ring over sink flange and hold in place while installing cushion mount (large side down) so the groove on the inside of cushion mount fits over lip on sink flange, similar to putting the lid on a plastic container (see 3E, 3F & 3G). Please read important notice below.
- I.** The disposer must be installed so that the reset button is readily accessible.



IMPORTANT NOTICE: CUSHION MOUNT DETAIL

When the cushion mount is installed correctly, the lip of the sink flange fits into the groove on the inside of the cushion mount and mount ring can be pulled downward over cushion mount and will be free to rotate. The bottom bead of the cushion mount acts as a gasket between the bottom of the sink flange and the top of the disposer. See illustration 3G.



4. ELECTRICAL CONNECTIONS

Equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance if it will not fit the outlet. Have a proper outlet installed by a qualified electrician.

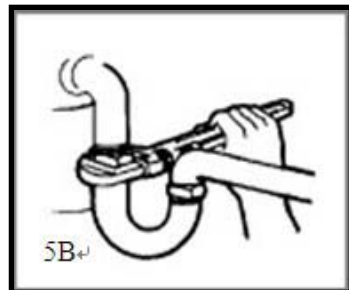
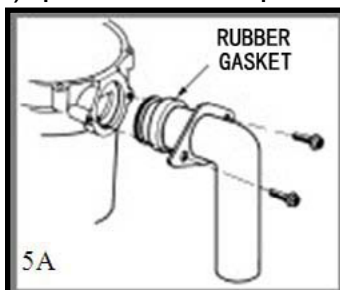
GROUNDING INSTRUCTIONS

FOR WASTE DISPOSERS EQUIPPED WITH A GROUNDED PLUG-IN POWER CORD.

- A.** Connect disposer to appropriate household current only.
- B.** This appliance must be grounded. In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. If the supply cord is damaged it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard.

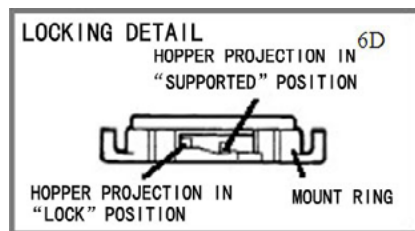
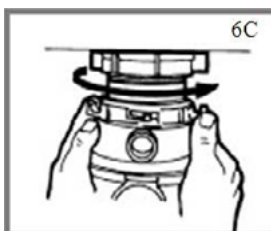
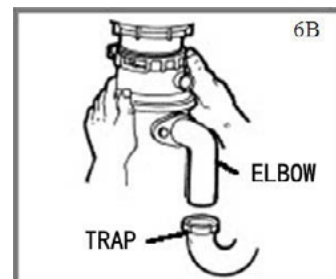
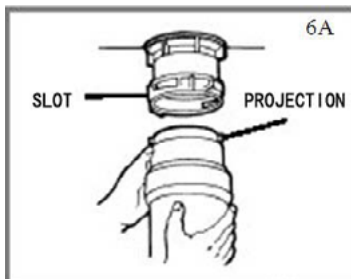
5. ATTACHING DISCHARGE ELBOW

- A.** Connect waste elbow to the disposer (see 5A), proceed to step 6 and then connect bottom of the elbow by tightening the slip nut (see 5B).
- B.** If you are connecting to a dishwasher, return to section 2B. If not, make sure all plumbing connections are tight and in accordance with all plumbing codes and ordinances. Run water and check for leaks.



6. CONNECTING DISPOSER TO MOUNT ASSEMBLY

- A.** Line up disposer under mounting assembly. Guide hopper projections into mount ring slots. Turn mount ring about 1/4" to right so that disposer is temporarily supported (see 6A).
- B.** Turn mount ring and disposer until disposer elbow lines up with trap (see 6B).
- C.** Turn mount ring to the right (counter-clockwise) until it reaches the locking position as shown (6D). Hopper projections must be to extreme left of mounting slots (see 6C & 6D).
- D.** If mount ring is hard to turn, you may add a small amount of petroleum jelly or liquid soap to hopper projections. Run water and check for leaks.



7. OPERATING INSTRUCTIONS

The Anti-Jam Swivel Impellers make a clicking sound as they initially swing into place. This indicates normal operation.

- A.** Remove sink stopper. Turn on a medium flow of cold water.
- B.** Turn switch to ON position; your motor is turning at full speed and ready to use.
- C.** Scrape in food waste. Down the drain go table scraps, peelings, rinds, seeds, pits, small bones and coffee grounds. To speed up food waste disposal, cut or break up large bones, rinds and cobs. Large bones and fibrous waste require considerable grinding time and are more easily thrown away with other trash. Do not be alarmed that the disposer slows down while grinding. The disposer is actually increasing torque (grinding power) and is operating under normal conditions.
- D.** Before turning disposer off, let water and disposer run for approximately 15 seconds after shredding or grinding stops. This assures that all waste is thoroughly flushed through trap and drain.
- E.** It is not recommended to use hot water while running disposer. Cold water will keep waste and fats solid so disposer can flush away particles.

TIPS FOR SUCCESSFUL OPERATION

- A.** Be sure disposer is empty before using your dishwasher so it may drain properly.
- B.** You may want to leave the stopper in the drain when not in use to prevent utensils and foreign objects from falling into the disposer.
- C.** Your disposer is ruggedly built to give you many years of trouble free service. It will handle all normal food wastes, but it will NOT grind or dispose of such items as plastic, tin cans, bottle caps, glass, china, leather, cloth, rubber, string, and aluminum foil or feathers.

8. CLEANING AND MAINTENANCE

DO NOT ATTEMPT TO LUBRICATE YOUR DISPOSER!

The motor is permanently lubricated. The disposer is self cleaning and scours its internal parts with each use. **NEVER** put lye or chemical drain cleaners into the disposer, as they cause serious corrosion of metal parts. If used, resulting damage can be easily detected and all warranties are void. Mineral deposits from your water can form on the stainless steel turntable, giving the appearance of rust. **DO NOT BE ALARMED**, the stainless steel turntables used will not corrode.

9. TROUBLESHOOTING

Before seeking repair or replacement, we recommend that you review the following:

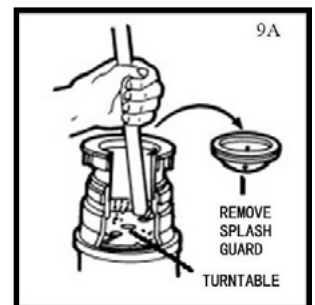
LOUD NOISES: (Other than those during grinding of small bones and fruit pits): These are usually caused by accidental entry of a spoon, bottle cap or other foreign object. To correct this, turn off electrical switch and water. After disposer has stopped, remove splash guard, remove object with long handled tongs, and replace splash guard.

UNIT DOES NOT START: Unplug power cord or turn either the wall switch or breaker box switch to "OFF" position, depending on your model and wiring configuration. Remove stopper and/or splash guard. Check to see if turntable will rotate freely using a wooden broom handle. If turntable rotates freely, replace splash guard and check reset button to see if it has been tripped. Reset button is red and located on the front of the disposer. Push button in until it clicks and remains depressed. If reset button has not been tripped, check for shorted or broken wire connecting to disposer. Check electrical power switch, fuse box or circuit breaker. If

wiring and electrical components are intact, the unit may have internal problems that require service or replacement.

IF TURNTABLE DOES NOT ROTATE

FREELY: Turn off disposer, then check for any foreign object lodged between the turntable and grind ring. Dislodge object by rotating table with a wooden broom handle (see 9A) and remove object. If no foreign object is present, there may be internal problems.



LEAKS: If the unit leaks at the top, it may be due to:

- 1.** Improper seating of sink flange (gasket centering, putty or tightening).
- 2.** Support ring not tightened properly.
- 3.** Defective or improperly installed cushion mount. If unit leaks at the waste elbow, leak may be due to improper tightening of elbow flange screws.

10. Disposer Air Switch Assembly(built-in Air Switch) Instructions

Disposer Air Switch Assembly is supplied in three basic parts:

The Actuator which consists of:

- 1.** Actuator Button
- 2.** Actuator Nut
- 3.** Actuator Outlet(Black Threaded portion)

The Air Switch Sensor is installed into disposer. Only the air tube Nozzle is visible from the outside of the disposer.

Air Tube Assembly which consists of:

- 4.** Air Tube-Clear or Black
- 5.** Sensor Inlet

Installation And Operating Instructions:

- A.** Drill a hole of 33mm to 35mm into the sink or countertop where the Actuator Button (#1) is to be placed.
- B.** Insert from the top, the Actuator Outlet through the drilled hole.
- C.** Firmly connect Air Tube (#4), one side to Actuator Outlet (#3) and one side to Sensor Inlet (#5).

- D.** Plug Disposer Power Cord(#6) into main electrical service.
- E.** To turn on disposer, press Actuator Button (#1). To turn off, press Actuator Button again.



Specification Sheet

Model	USA-WD2100	DSA-WD2000	DSA-WD3000	DSA-WD5000
Configuration Type	Basic	Heavy Duty	Super Duty	Deluxe
Feed Type	Continuous	Continuous	Continuous	Continuous
Hopper Capacity(ml)	860	1070	1070	1070
Suitable For Families	2-6 Persons	5-7 Persons	7-12 Persons	7-12 Persons or More
Ultra-power, High Efficiency Permanet Magnet DC Motors				
Motor Horsepower	1/2 HP	1/2 HP	3/4 HP	1-1/4 HP
Quiet Permanent Magnet DC Motor	YES	YES	YES	YES
Voltage	120V	120V	120V	120V
Frequency	60Hz	60Hz	60Hz	60Hz
Motor Speed(Grinding Speed)	2500RPM	2500RPM	2500RPM	2500RPM
Motor Efficiency	>80%	>80%	>80%	>80%
Output Torque	>1.5N.m	>1.5N.m	>1.8N.m	>2.0N.m
Stainless Steel Armature Shaft	YES	YES	YES	YES
High-speed Dynamic Balanced Armature	YES	YES	YES	YES
Permanently Lubricated, Sleeve Type Bearing	YES	YES	YES	YES
High Efficient, Antiabratoin, Anticorrossion Grinding System. Faster. Finer. Never Jam. Long Life.				
High-speed Dynamic Balanced Turntable	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Stainless Steel Grinding Rings	2 Pieces, High Efficiency	1 Piece, High Efficiency	1 Piece, High Efficiency	1 Piece, High Efficiency
Cutters Qty.	114 Round Hole & 12 Arch	114 Round Hole & 12 Arch	114 Round Hole & 12 Arch	114 Round Hole & 12 Arch
Special Stainless Steel, Dual-swivel Impellers	Cast, Never Broken, Wear-resistant, Jam-resistant	Cast, Never Broken, Wear-resistant, Jam-resistant	Cast, Never Broken, Wear-resistant, Jam-resistant	Cast, Never Broken, Wear-resistant, Jam-resistant
Balance Level	G0.4	G0.4	G0.4	G0.4
Septic Safe	YES	YES	YES	YES
Quiet Operation	Insulated Sound Elimination	Insulated Sound Elimination	Insulated Sound Elimination	Insulated Sound Elimination
Stainless Steel Sink Stopper	YES	YES	YES	YES
Multifunctional Stopper	YES	YES	YES	YES
Sink Flange	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
EPDM Removable Splash Guard	YES	YES	YES	YES
Cushion Mount Ring	Double Seal, No leakage Anti-aging Rubber	Double Seal, No leakage Anti-aging Rubber	Double Seal, No leakage Anti-aging Rubber	Double Seal, No leakage Anti-aging Rubber
Corrosion-proof Hopper	Glass Fiber Reinforced Nylon	Glass Fiber Reinforced Nylon	Glass Fiber Reinforced Nylon	Glass Fiber Reinforced Nylon
Drain Housing	Quadrangle, Glass Fiber Reinforced Polymeric Material	Hexagonal, Glass Fiber Reinforced Polymeric Material	Hexagonal, Glass Fiber Reinforced Polymeric Material	Hexagonal, Glass Fiber Reinforced Polymeric Material
Drain Connector	YES	YES	YES	YES
Drain Elbow	(White/Black)	(White/Black)	(White/Black)	(White/Black)
Upper Shell	N/A	Enhanced Engineered Plastic	Enhanced Engineered Plastic	Enhanced Engineered Plastic
Lower Shell	Enhanced Engineered Plastic	Enhanced Engineered Plastic	Enhanced Engineered Plastic	Enhanced Engineered Plastic
Manual Reset Protector	Double protection for Over Load and Temperature	Double protection for Over Load and Temperature	Double protection for Over Load and Temperature	Double protection for Over Load and Temperature
Attached Power Cord and Plug	YES	YES	YES	YES
Power Cord Length	95+/-5mm	95+/-5mm	95+/-5mm	95+/-5mm
Power Cord Plug Type	According to Customers' Requirement	According to Customers' Requirement	According to Customers' Requirement	According to Customers' Requirement
Control Type	Wall Switch	Built-in Air Switch	Built-in Air Switch	Built-in Air Switch
Bio-guard Antimicrobial Protection	YES	YES	YES	YES
Metal Guard	NO	YES	YES	YES
DIY Installation Suitable	EZ Mount	EZ Mount	EZ Mount	EZ Mount
Suitable Sink	Stainless Steel/Standard Dimension Hole, No Ceramic Sinks	Stainless Steel/Standard Dimension Hole, No Ceramic Sinks	Stainless Steel with Standard Dimension Hole, No Ceramic Sink	Stainless Steel with Standard Dimension Hole, No Ceramic Sink
Sink Calibre	90~160mm	90~160mm	90~160mm	90~160mm
Warranty Years	5 Years Limited	10 Years Limited	10 Years Limited	Lifetime Limited
Approved Certificate	CE/ETL/CB/CSA/ROHS	CE/ETL/CB/CSA/ROHS	CE/ETL/CB/CSA/ROHS	CE/ETL/CB/CSA/ROHS
Package Drop Test	Approved	Approved	Approved	Approved
Carton Dimensions(LXWXH)	175mm X 175mm X 410mm	235mm X 235mm X 445mm	235mm X 235mm X 470mm	235mm X 235mm X 470mm
Shipping Weight	4.4kgs	5.1kgs	5.4kgs	5.4kgs
Master Pack Qty.	2pcs.	2pcs.	2pcs.	2pcs.
Master Pack Dimension(LXWXH)	380mm X 190mm X 440mm	485mm X 243mm X 465mm	485mm X 243mm X 500mm	485mm X 243mm X 500mm
Master Pack Weight	9.3kg	10.8kg	11.6kg	11.6kg
Qty for 1 Pallet	144pcs.	64pcs.	64pcs.	64pcs

Warranty Information

- 1. WARRANTY:** Dakota Plumbing Products, LLC warrants this Dakota disposer, when installed in the United States or Canada, to be free from defects in workmanship and material during the warranty period. This warranty sets forth our total warranty commitment. We will not assume, nor authorize any person to assume for us, any other liability in connection with the sale of our products.
- 2. LENGTH OF WARRANTY:** Lifetime Warranty applies to Model DSA-WD5000. 10 Year Warranty applies to models DSA-WD3000 and DSA-WD2000. 5 Year Warranty applies to model USA-WD2100.
- 3. DEFECTIVE DISPOSER:** During the warranty period, a defective or inoperative disposer will be replaced by the company at no charge to you. Original sales receipt and website registration required.
- 4. CHANGE OF OWNERSHIP:** Warranty remains in force for warranty period from date of purchase of disposer but is limited to the original purchaser. Original sales receipt and website registration required.
- 5. MISUSE OF DISPOSER:** This warranty does not apply to any disposer which is misused, altered, improperly installed or used for anything other than normal private household use. Additional conditions are not covered by the warranty as follows: Electrical connections due to improper installation; leaks at the sink flange, dishwasher inlet or discharge elbow; damage by installer such as excessive torqueing of screwed connections; incorrect operation such as grinding non-food waste; and jams.
- 6. HOW TO RECEIVE SERVICE:** Contact the installer or return inoperative disposer to the place of purchase. They will replace your inoperative disposer with a new disposer at no charge to you. Original sales receipt and website registration required.
- 7. SERVICE DIVISION:** If you do not receive satisfaction from the place of purchase, please contact our Customer Service department: Telephone: 954-987-3430; Email: info@dakotasinks.com; Website: www.dakotasinks.com; Mail: Dakota Plumbing Products, LLC, 3146 John P. Curci Dr. Ste. 12, Pembroke Park, FL 33009
- 8. LIFETIME CORROSION WARRANTY:** In addition to above warranty, any Dakota Signature model DSA-WD5000, DSA-WD3000, DSA-WD2000 & USA-WD2100 disposer that fails to operate as a result of corrosion will be repaired or replaced by Dakota Plumbing Products, LLC. Parts or disposer will be provided to repair or replace the subject disposer. Costs of service labor for installation will be borne by the owner. This Lifetime Corrosion warranty is limited to the original purchaser. Original sales receipt and website registration are required.
- 9. MODEL NUMBER AND SERIAL NUMBER:** The model number and serial number can be found on the serial plate of your disposer. Always reference the model number and serial number when contacting Dakota Plumbing Products, LLC about your disposer.
- 10. IMPLIED WARRANTIES:** IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO WARRANTY PERIOD FROM THE DATE OF PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.
- 11. CONSEQUENTIAL OR INCIDENTAL DAMAGES:** THE COMPANY SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR ANY BREACH OF WARRANTY, EXPRESS OR IMPLIED. Some states do not allow the exclusion or limitation of the consequential or incidental damages, so the above exclusion may not apply to you.
- 12. EXCLUSIVE REMEDY: CONSEQUENTIAL DAMAGES:** The foregoing provisions state the exclusive remedy for any breach of warranty, express or implied, TO THE EXTENT PERMITTED BY LAW, THE COMPANY SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF WARRANTY, EXPRESS OR IMPLIED. Some states do not allow the exclusion or limitation of consequential or incidental damages, so the above exclusion may not apply to you.

Garbage Disposal Unit Installation & Operation Manual

USA-WD2100 / DSA-WD2000 / DSA-WD3000 / DSA-WD5000



www.dakotasinks.com