

**10 CONNECT DISPOSER TO MOUNTING ASSEMBLY**

Clear any objects from inside the disposer grind chamber before mounting the disposer to the sink.

**WARNING**

Personal Injury: Do not position your head or body under disposer; unit could fall during installation.

- Position disposer with three mounting tabs (A) aligned in position to slide over mounting tracks (B) (see Figure 10-1).
- Lift disposer, insert top end (C) into mounting assembly, and turn lower mounting ring to right (with counter-clockwise direction) until mounting ring is seated over mounting ring (see Figure 10-2). (MAKE SURE ALL THREE MOUNTING TABS ARE LOCKED OVER RIDGES.) Disposer will now hang by itself. (NOTE: If removable sound baffle is included with disposer, push bullet into sink opening with "cupped" side up.)

**11 ATTACH DISCHARGE TUBE TO WASTE DRAIN LINE**

Determine the appropriate installation based upon previous installation or plumbing configuration: Threaded Discharge or Bolted Discharge.

**CAUTION****Property Damage**

Do not use thread sealants or pipe dope; they may harm the disposer and cause property damage.

**Threaded Discharge Tube Installation**

If replacing existing tube, remove and discard existing discharge tube. (Unit will not seal properly with old discharge tube.)

- Slide nut (A) over discharge tube (B), pushing nut into position (see Figure 11-1). The supplied discharge tube has a beveled end to match the discharge outlet. **DO NOT USE SUPPLIED WASHER OR GASKET FOR THIS INSTALLATION.**
- Screw nut onto threaded outlet and tighten with adjustable pliers. **DO NOT OVERTIGHTEN.**

Rotate disposer so that discharge tube is aligned with drain tap. (To prevent leaks, do not pull or bend discharge tube.) Turn on water to check for leaks. If discharge tube is too long, as much of tube as necessary with hacksaw (make sure cut is straight and clean). If discharge tube is too short, you can purchase an extension from a hardware store. (Disposer must remain in vertical position to prevent vibration.)

- Place F-trap nut, then beveled washer (not supplied) on bottom of discharge tube and tighten on drain trap. (If you have a drain trap, place a flexible waste trap for disposal.)
- Ensure lower mounting ring is still securely locked over ridges on mounting flange.

**Threaded Straight Discharge Installation**

Although the Discharge Tube installation is preferred, if a straight discharge tube is to be connected to the disposer, follow the steps below.

- NOTE: If existing straight discharge tube lines up with discharge outlet, you may use the nut (A) and the flanged gasket (B) to make the connection, rather than cutting the end of tube as described below (see Figure 11-2).
- With a hacksaw, cut off flared end of straight tube, removing as little as possible.

- With tapered side of beveled washer toward disposer, slide nut (A) and beveled washer (C) over straight tube (see Figure 11-3).
- Rotate disposer so that discharge tube is aligned with drain tap. (To prevent leaks, do not pull or bend discharge tube.) Turn on water to check for leaks. If discharge tube is too long, as much of tube as necessary with hacksaw (make sure cut is straight and clean). If discharge tube is too short, you can purchase an extension from a hardware store. (Disposer must remain in vertical position to prevent vibration.)

- Tighten nut with adjustable pliers to secure discharge tube. **DO NOT OVERTIGHTEN.**
- Ensure lower mounting ring is still locked on mounting flange.

**Bolted Discharge Tube Installation**

- Slide metal flange (A) over discharge tube (B) (see Figure 11-4).

- Push supplied gasket (C) into the top end of discharge tube. Secure metal flange and discharge tube to disposer with a lock washer (D).

- Rotate disposer so that discharge tube is aligned with drain tap. (To prevent leaks, do not pull or bend discharge tube.) Turn on water to check for leaks. If discharge tube is too long, as much of tube as necessary with hacksaw (make sure cut is straight and clean). If discharge tube is too short, you can purchase an extension from a hardware store. (Disposer must remain in vertical position to prevent vibration.)

- Place F-trap nut, then beveled washer (not supplied) on bottom of discharge tube and tighten on drain trap. (If you have a drain trap, place a flexible waste trap for both sides.)

- Ensure lower mounting ring is securely locked over mounting flange ridges.

Although the supplied Discharge Tube is preferred, a straight discharge may be used. Slide metal flange over straight discharge tube (not supplied), install rubber gasket onto discharge tube, and secure metal flange and straight discharge tube to disposer with one bolt.

**12 CONNECT DISHWASHER DRAIN (IF APPLICABLE)**Connect the dishwasher to the disposer through an air gap (A) (see Figure 12-1). Most dishwasher manufacturers recommend that the discharge water runs through an air gap to prevent backflow and/or dishwasher contamination. Ensure knockout plug is removed (see **Instruction 8**). Plumbing connections must comply with local codes.

- A: Place a flexible waste trap for disposal.

B: If you have already attached a dishwasher drain connector to your dishwasher drain hose (for drain hose other than 7/8" diameter), use a hose clamp to attach the drain hose/connector to the disposer.

- C: Place a flexible waste trap for disposal.

- D: Ensure lower mounting ring is still locked on mounting flange.

**13 ATTACH SPECIFICATION DECAL**

The disposer specification decal has a removable portion to place on the front side of the installed disposer, containing important information you will need to know in the event service is required.

1. Detach perforated portion of specification decal from lower portion of disposer.

2. Apply decal to the disposer where it can be easily read.

The disposer installation is complete. Using the stopper, fill the sink with water. Remove the stopper, turn disposer on, and check under sink for leaks. Read **ALL SAFETY INSTRUCTIONS** on following page before operating the disposer.

## ESPAÑOL

**10 CONECTE EL TRITURADOR AL CONJUNTO DE MONTAJE**

Retire los objetos que se encuentren dentro de la cámara de trituración antes de montar el triturador al fregadero.

**ADVERTENCIA**

Lesiones o muerte: No coloque su cabeza o cuerpo por debajo del fregadero, ya que la unidad podría caerse durante la instalación.

1. Coloque el triturador en la unidad de montaje para moverla sobre los carrioles de montaje (B) (vea la Figura 10-1).

2. Levante el disposer, inserte el anillo superior (removible) de montaje en la junta de la parte superior (C) y las lengüetas de montaje sobre la parte superior (D) (los carrioles del montaje (B) (ver la Figura 10-2)). (CIREROSSE: ASEGURE LAS TRES LENGÜETAS DE MONTAJE ASTA ESTEN ASEGURADAS SOBRE LA PARTE SUPERIOR.) El triturador quedará colgado por su sollo. **NOTA:** Si la conexión incluye un difusor acústico removible en el dispensador, coloque el difusor en la apertura del fregadero con la parte en forma "copa" hacia arriba.**11 CONECTE EL TUBO DE DESCARGA A LA LINEA DE DRENAGE DE DESPERDICIOS**

Determinar el procedimiento apropiado de instalación basándose en la instalación anterior o en la disposición de la tubería.

Descarga con tubo roscado o descarga con tubo empotrado

**PRECAUCION**

No use selladores de roscas ni aditivos para tubos; pueden dañar el eliminador de residuos y causar daños a la propiedad.

Instalación del tubo de descarga de desperdicios

(La unidad no sellará adecuadamente si usa el tubo de descarga usado.)

1. Deslice la tuerca (A) sobre el tubo de descarga (B), empujando la tuerca sobre el codo hasta que quede en su lugar (vea la figura 11-1). El tubo de descarga que se suministra tiene un extremo abierto que coincide con la salida de la descarga. No use la arandela en la junta que se suministran para hacer esta instalación.

NOTA: Si el tubo de descarga existe queda atornillado con la salida de la descarga, use la tuerca (A) y la junta (B) (vea la Figura 11-2).

2. Levante el disposer, inserte el anillo superior (removible) de montaje en la junta de la parte superior (C) y las lengüetas de montaje sobre la parte superior (D) (los carrioles del montaje (B) (ver la Figura 10-2)). (CIREROSSE: ASEGURE LAS TRES LENGÜETAS DE MONTAJE ASTA ESTEN ASEGURADAS SOBRE LA PARTE SUPERIOR.) El triturador quedará colgado por su sollo. **NOTA:** Si la conexión incluye un difusor acústico removible en el dispensador, coloque el difusor en la apertura del fregadero con la parte en forma "copa" hacia arriba.

**11 ATTACHEZ LE TUYAU D'ÉVACUATION À LA CONDUITE DE VIDANGE DES DÉCHETS**

Determinez l'installation appropriée d'après l'installation précédente ou la configuration de la plomberie : évacuation filetée ou boulonnée.

**ATTENTION**

N'utilisez ni agent d'étanchéité de filets, ni pâte lubrifiante, qui risquerait d'endommager le broyeur à déchets et de causer des dégâts matériels.

Installation du tuyau d'évacuation fileté

Suivez les étapes ci-dessous pour installer le tuyau d'évacuation déjà installé. (L'entraîneur ne sera pas assuré si vous utilisez le tuyau d'évacuation usagé.)

1. Glissez l'écou (A) sur le tuyau d'évacuation (B), en le poussant en position par-dessus le coude (Figure 11-1). Le tuyau d'évacuation fourni avec l'unité est pré-assemblé et correspond à la sorte d'évacuation. N'utilisez pas la rondelle ou la tuerce de serrage pour cette installation.

NOTA: NE PAS APPLIQUER DE TENSION SUR LA RONDILLE NI SUR LA TUECRE.

2. Vissez l'écou (A) sur la filetée et serrez avec une pince régulière. **NE SERREZ PAS TROP.**

3. Tournez le broyeur à déchets de sorte que le tuyau d'évacuation soit aligné avec la tige de vidange. Si le tuyau d'évacuation est trop court, vous pouvez acheter une extension dans une quincaillerie. (Le broyeur à déchets doit rester à la verticale pour empêcher les éclaboussures.)

4. Installez l'écou (A) sur le tuyau de vidange et arrêtez la rondelle boulonnée (non fournie) au fond du tuyau d'évacuation et serrez sur le filetage. (Si vous avez un évier à double, utilisez un siphon séparé de chaque côté.)

5. Assurez-vous que le joint de montage inférieur est toujours bien fixé sur les cannelures de la bride.

Instalación del tubo roscado recto de descarga

Siempre se preferirá instalar el tubo de descarga suministrado, si va a conectar un tubo recto de descarga.

NOTA: Si el tubo de descarga existe queda atornillado con la salida de la descarga, use la tuerca (A) y la junta (B) (vea la Figura 11-2).

1. Con una sierra para metales, corte el extremo con brida del tubo recto, cortando tan poco como sea posible.

2. Con el lado afilado de la arandela biselada orientado hacia el eliminador de residuos, deslice la tuerca (A) y la arandela biselada (B) sobre el tubo recto.

3. Gire el eliminador de residuos permitiendo que el tubo recto se deslice en la salida de la descarga al menos 15" después del borde de la salida. (El eliminador debe permanecer en posición vertical para evitar la vibración.)

4. Apriete la tuerca del sello en el tubo de descarga (no se suministra), en la parte inferior del tubo de descarga. Deje la brida metálica y el tubo de descarga de descarga para seguir la instalación del tubo de descarga. **NO LA APRIETE EN EXCESO.**

5. Asegúrese de que el anillo de montaje inferior todavía esté firmemente asegurado en la brida de montaje.

Instalación del tubo empotrado de descarga

1. Deslice la brida metálica (A) sobre el tubo de descarga (B) (vea la figura 11-4).

2. Junta la junta (C) (debe estar instalada en el extremo superior del tubo de descarga). Dije la brida metálica y el tubo de descarga para que la junta quede bien apretada.

3. Gire el eliminador de residuos permitiendo que el tubo empotrado se deslice en la salida de la descarga al menos 15" después del borde de la salida. (El eliminador debe permanecer en posición vertical para evitar la vibración.)

4. Apriete la tuerca del sello con pinzas ajustables para seguir la instalación del tubo de descarga. **NO LA APRIETE EN EXCESO.**

5. Asegúrese de que el anillo de montaje inferior todavía esté firmemente asegurado en la brida de montaje.

Instalación del tubo empotrado de descarga

1. Deslice la brida metálica (A) sobre el tubo de descarga (B) (vea la figura 11-4).

2. Junta la junta (C) (debe estar instalada en el extremo superior del tubo de descarga). Dije la brida metálica y el tubo de descarga para que la junta quede bien apretada.

3. Gire el eliminador de residuos permitiendo que el tubo empotrado se deslice en la salida de la descarga al menos 15" después del borde de la salida. (El eliminador debe permanecer en posición vertical para evitar la vibración.)

4. Apriete la tuerca del sello con pinzas ajustables para seguir la instalación del tubo de descarga. Deje la brida metálica y el tubo de descarga de descarga para seguir la instalación del tubo de descarga.

5. Asegúrese de que el anillo de montaje inferior todavía esté firmemente asegurado en la brida de montaje.

Instalación del triturador al fregadero

1. Recuerde que el fregadero es de montaje directo (A) (la mayoría de fabricantes de máquinas lavadoras de platos recomiendan que el agua de descarga circule a través de un intervalo de aire para evitar retrovesos de flujo y/o contaminación de la máquina lavadora de platos (ver Figura 12-1)). Asegúrese de que el tapón removible haya sido reemplazado por el tapón de servicio.

2. Si el fregadero tiene una manguera de descarga para máquina lavadora de platos con un diámetro de 7/8", utilice un sujetador para manguera que conecte la manguera de descarga a la manguera de descarga de la máquina lavadora de platos. (Verifique que la manguera que está usando cumple con las especificaciones.)

3. Desplace la sección perforada de la manguera de descarga para conectar la manguera de descarga a la entrada de la máquina lavadora de platos. (Verifique que la manguera que está usando cumple con las especificaciones.)

4. Coloque la tuerca de la manguera de descarga en la tuerca de la manguera de descarga para máquina lavadora de platos. (Verifique que la manguera que está usando cumple con las especificaciones.)

5. Asegúrese de que la manguera de descarga esté bien sujeta en la tuerca de la manguera de descarga para máquina lavadora de platos.

6. Conecte la manguera de descarga a la entrada de la máquina lavadora de platos.

Instalación del triturador al fregadero

1. Llene el fregadero con agua usando el tapón. Retire el tapón, encienda el triturador y encienda el fregadero.

2. Agregue agua al fregadero para llenarlo casi al borde.

3. Agregue agua al fregadero para llenarlo casi al borde.

4. Agregue agua al fregadero para llenarlo casi al borde.

5. Agregue agua al fregadero para llenarlo casi al borde.

6. Agregue agua al fregadero para llenarlo casi al borde.

7. Agregue agua al fregadero para llenarlo casi al borde.

8. Agregue agua al fregadero para llenarlo casi al borde.

9. Agregue agua al fregadero para llenarlo casi al borde.

10. Agregue agua al fregadero para llenarlo casi al borde.

11. Agregue agua al fregadero para llenarlo casi al borde.

12. Agregue agua al fregadero para llenarlo casi al borde.

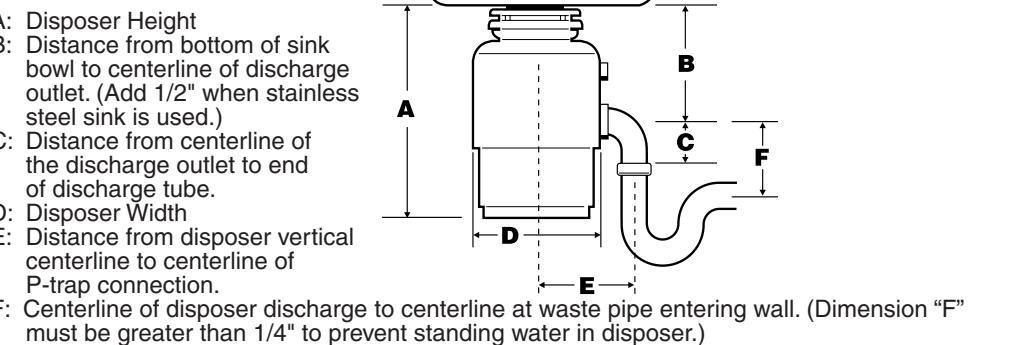
13. Agregue agua al fregadero para llenarlo casi al borde.

14. Agregue agua al fregadero para llenarlo casi al borde.

15. Agregue agua al fregadero para

## INSTALLATION INSTRUCTIONS

## 1 CHECK INSTALLATION DIMENSIONS



If replacing an existing disposer, skip ahead to **Instruction 6**.  
If this is a first time installation, continue with **Instruction 2**.

## 2 DISCONNECT SINK DRAIN

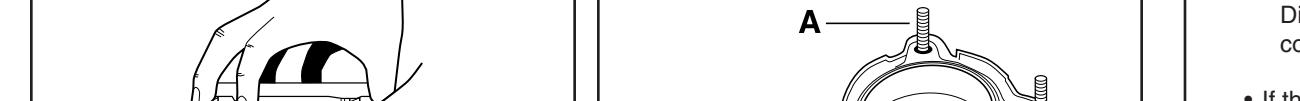
- Loosen nut (A) at top of "P-trap" with pipe wrench (see Figure 2-1).
- Loosen nut (B) at top of extension pipe. Remove extension pipe.
- Loosen nut (C) at base of sink flange. (If nut is corroded or too tight, apply penetrating lubricant.)
- Push sink flange up through sink hole and remove it (see Figure 2-2).
- Clean sink flange area of any putty or other debris.



2-1



2-2



3-1



3-2



4-1



4-2

## 3 DISASSEMBLE NEW DISPOSER MOUNTING ASSEMBLY

- Insert wrenches (or screwdrivers) into one mounting lug and hold lower mounting ring securely with one hand (see Figure 3-1). With your other hand, turn mounting assembly counterclockwise to remove mounting assembly from lower mounting ring.
- Turn mounting assembly upside out (see Figure 3-2) and loosen three mounting screws (A) until you can access snap ring (B).
- Use screwdriver to pry snap ring off of sink flange. Mounting assembly will now come apart.

## 4 INSTALL FLANGE IN SINK HOLE

- Roll 1/4 pound (4 oz.) of non-hardening plumber's putty to make 3/4" thick rope to seal around sink flange.
- Apply putty evenly around sink hole in indentation left by sink flange (see Figure 4-1).
- Align flange so text is readable, and press sink flange slowly but firmly into sink drain hole to seat evenly on putty (see Figure 4-2). Use screwdriver or putty knife to scrape all putty from edge of sink hole.

## ATTENTION

Do not use plumber's putty on any other disposer connection - it may harm disposer and cause property damage.

## 5 ATTACH UPPER MOUNTING ASSEMBLY TO SINK FLANGE

- You may wish to place a weighted object in the sink to hold the sink flange in place. (Place a towel under object in sink to prevent scratching.) Reference Figure 5-1 for part identification.
- Working from under sink, slip fiber gasket and metal backup ring (flat side up) over sink flange.
  - Holding fiber gasket and backup ring in place, slip mounting ring over sink flange so it seats against backup ring.
  - With the fiber gasket, backup ring, and mounting ring tight to sink bottom, slide snap ring onto sink flange until it pops into groove on flange.
  - Tighten three mounting screws up to sink until mounting assembly is seated tightly and evenly against sink.
- \* Placing a thick, wide rubber band around the sink flange (above the snap ring groove) may help hold parts in place while installing snap ring. (Remember to remove rubber band after snap ring is installed.)

If you are replacing an existing disposer, go to **Instruction 6**.  
If this is a first time installation, skip ahead to **Instruction 7**.

Model	A	B	C	D	E
DFC7500	12 3/4"	6 7/8"	4"	7 3/4"	5 3/4"
DFC6500*	15 7/8"	9 7/16"	4"	7 1/2"	5 3/4"
DFC5500	12 5/8"	6"	4"	7 1/4"	5"
DFC1500	12 5/8"	6"	4"	6 3/4"	5"

\* Indicates batch feed model  
\* Indica modelo de carga por tandas  
\* Indique le modèle à alimentation unitelle

## 6 REMOVE EXISTING DISPOSER

1. Turn off electrical power at fuse box or circuit breaker.

## DANGER

## Electric Shock

- Turn off electrical power at fuse box or circuit breaker before removing electrical cover plate.
- Disposer must be grounded. Improper connection can result in electric shock.

## WARNING

- Do not position your head or body under disposer; unit could fall during removal or installation.

2. Disconnect drain trap from disposer waste discharge tube with adjustable pliers (see Figure 6-1). (Also disconnect dishwasher drain connection, if applicable.)

- Support disposer with one hand and insert end of wrenches or screwdriver into right side of one mounting lug on lower mounting ring (see Figure 6-2). Lift disposer slightly and loosen lower mounting ring by pushing or pulling wrenches or screwdriver to left until disposer is free from mounting assembly.

(Disposer may fall - protect floor surface.)

- With electrical supply turned off, turn disposer upside down and remove electrical cover plate (see Figure 6-3). Loosen green ground screw and remove wire nuts (see Figure 6-4). Disconnect disposer wires from electrical supply wires. Loosen screw(s) on electrical clamp connector and remove wires from disposer.

- If the new disposer mounting is the same as old one, remove mounting assembly from disposer (**Instruction 3**) and go to **Instruction 7**.
- If the new disposer mounting is different from the old one (or you wish to replace the old sink flange) you must complete **Steps 5 - 6** (below), and **Instructions 2-5** (in previous column), then continue with **Instruction 7**.

- Loosen three mounting screws, pry snap ring off with screwdriver, and remove old mounting assembly (see Figure 6-5). (Some mounting assembly removal requires additional tools.)

- Push old sink flange up through sink hole (see Figure 6-6). Use screwdriver or putty knife to scrape all old putty from edge of sink hole.

- If you are not connecting a dishwasher to disposer, go to **Instruction 9**.

## 7 CLEAN SINK DRAIN LINE

Failure to clean sink drain line may result in drain line blockage.

- Remove P-trap.

- With drain auger, clear away all hardened waste material in horizontal drain line.

If you are not connecting a dishwasher to disposer, go to **Instruction 9**.

## 8 PREPARE DISHWASHER DRAIN CONNECTION (IF APPLICABLE)

The knockout plug should only be removed if you are connecting a built-in dishwasher to the disposer. NOTE: If the dishwasher connection is made without removing the plug, the dishwasher may overflow. (Connections must comply with local plumbing codes.)

## Remove Knockout Plug

- Lay disposer on its side and insert screwdriver into dishwasher inlet so tip rests on outer edge of knockout plug.

- Tap end of screwdriver handle with hammer until molded plug breaks loose (see Figure 8-1).

## 3 REMOVE LOOSE KNOCKOUT PLUG FROM INSIDE DISPOSER.

## Attach Dishwasher Drain Connector

If your dishwasher drain hose is not 7/8" diameter, go to **Instruction 9**.

If your dishwasher drain hose is not 7/8" diameter, you must attach a dishwasher drain connector to the dishwasher drain inlet. Follow the installation instructions with the connection kit. (You will connect the dishwasher drain hose to the connector in **Instruction 12**.)

Failure to clean sink drain line may result in drain line blockage.

If you are not connecting a dishwasher to disposer, go to **Instruction 9**.

## 9 CONNECT DISPOSER TO ELECTRICAL SUPPLY

## DANGER

## Electric Shock

- Improper connection of the 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 does not fit the power outlet. Connect the equipment-grounding conductor to a proper ground wire.
- If three-prong, grounded plug is used, plug must be inserted into three-hole, grounded receptacle.
- All wiring must comply with local electrical codes.
- Do not reconnect electrical current at main service panel until proper grounds are installed.

There are two ways to connect electrical power to your disposer:

- Direct wire

- Plug in cord - installed at factory

## Disposer Circuit Requirements

Ensure the following electrical requirements are met before connecting disposer to switch (see Figure 9-1 for typical direct wired electrical circuit diagram):

- Remove fuse (or open the circuit breaker) before connecting disposer to circuit.

- If junction box is used, connect the junction box to the switch on a separate 15 or 20 Amp, 115 Volt circuit with the appropriate cable. (Use 14 gauge wire with 15 Amp circuit, and 12 gauge wire with 20 Amp circuit.)

- Batch feed disposers do not require a separate wall switch - switch is built into disposer and disposer is wired directly to circuit.

- If you have a receptacle to handle other small kitchen appliances, include a wall switch in disposer receptacle circuit and wires other receptacle directly to power source.

- This disposer requires a switch with a marked "Off" position (wired to disconnect all ungrounded supply conductors) installed within sight of the disposer sink opening (1 HP minimum rating).

Connect Disposer to Electrical Supply/Ground Disposer

Follow these instructions to direct wire the disposer. (If adding a cord and plug, follow the directions included with the cord and plug.)

- Remove electrical cover plate (C) from bottom of disposer and pull out black (may have colored stripe) and white wires (see Figure 9-1). DO NOT REMOVE CARDBOARD INSULATION SHIELD.

- Run electrical cable through access hole (A) on bottom of disposer (with 1/2" conduit or 3/8" flex) and secure with clamp connector.

- Strip wires back approximately 1/2 inch. Connect white (neutral) electrical wire to white disposer wire, and black (hot) electrical wire to black disposer wire (may have colored stripe) with wires (see Figures 9-1). Insulate wire connections with electrical tape, and push connections into disposer housing without displacing cardboard insulation shield. Do not reinstall electrical plate until disposer is properly grounded.

Once the circuit you are using is grounded at the service panel, attach the ground wire to the green ground screw (B) in the electrical cover plate opening and secure the electrical plate (C) (see Figure 9-1).

## Grounding Instructions for Direct Wired Units

This appliance must be connected to a grounded, metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.

## Grounding Instructions for Cord Connected Units

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.

Failure to properly ground this appliance increases the risk of electric shock.

DO NOT REMOVE CARDBOARD INSULATION SHIELD.

Once the circuit you are using is grounded at the service panel, attach the ground wire to the green ground screw (B) in the electrical cover plate opening and secure the electrical plate (C) (see Figure 9-1).

## Cable Direct

1. Cable directo

2. Cordon enfilable - instalado en la fábrica

3. Cordon enfilable - conectado con cableado directo

4. Cordon enfilable - conectado con cableado directo

5. Cordon enfilable - conectado con cableado directo

6. Cordon enfilable - conectado con cableado directo

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28. Cordon enfilable - conectado con cableado directo

29. Cordon enfilable - conectado con cableado directo

30. Cordon enfilable - conectado con cableado directo

31. Cordon enfilable - conectado con cableado directo

32. Cordon enfilable - conectado con cable