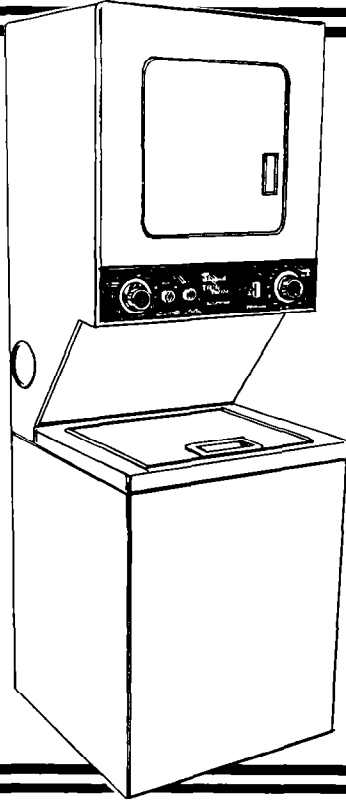


Installation Instructions



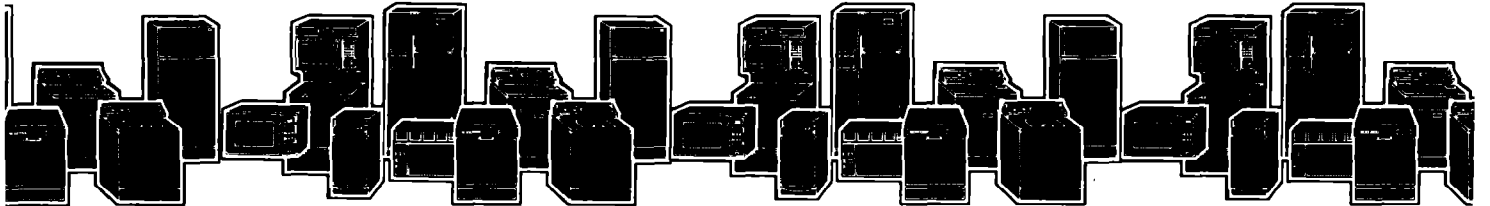
Whirlpool

Home Appliances

thin twin

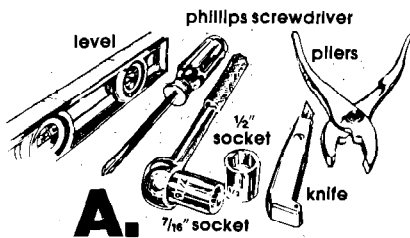
WASHER • DRYER
240 VOLT

ifiers, Automatic Washers, Clothes Dryers, Freezers, Refrigerators-Freezers, Ice Makers, Dishwashers, Built-In Ovens and Surface Units, Ranges, Microwave Ovens, Compactors, Room Air Conditioners, Dehumidifiers, Automatic Washers, Clothes Dryers, Freezers, Refrigerators-Freezers, Ice Makers



Before you start...

Mark an X across the letter or number as you complete each step.



A. ^{7/8" socket}

You need these tools to install your Whirlpool washer/dryer. Get them together in one place to keep track of them.

B.

Check the spot where you're going to install the washer/dryer...proper installation is your responsibility. Make sure you have everything necessary for proper installation. You'll need:

To meet code requirements: some codes keep from or limit installation of clothes dryers in garages, closets, mobile homes and sleeping quarters. (Check with your local building inspector.)

Important: observe all governing codes and ordinances.

Location

Size: Must be large enough to fully open dryer door. For recessed or closet installations see Panel F for spacing, for product dimensions see back page of these instructions.

Support: The floor must be able to support the appliance weight of 375 pounds.

Level Floor: Maximum floor slope under washer/dryer 1 inch.

Protection from the weather: Proper operation of dryer cycles requires temperatures above 45°F. As some water remains in the washer do not store or operate the washer below 32°F. For storage below 32°F see Laundry Guide for "Winterizing."

Mobile Homes: Washer/dryer must be secured to the mobile home using Mobile Home Installation Kit 693900.

CAUTION:

- It is the personal responsibility of the customer to ensure that gasoline, paint, thinners and other flammable materials are not used or stored near the washer/dryer. Fumes from these materials could result in fire or explosion.
- Never** install the washer/dryer up against draperies or curtains and be sure to keep any and all items from falling or collecting behind the washer/dryer.
- Replace all access or service panels before operating washer/dryer.

Electrical requirements

Electrical ground is required on this appliance.

- A three-wire single phase 120/240 volt 60 Hz AC only electrical supply (or three-wire 120/208 volt if specified on nameplate) is required on a separate 30 ampere circuit, fused on both sides of the line (time-delay fuse or circuit breaker is recommended). Do not have a fuse in the neutral or ground circuit.

- This washer/dryer is equipped with a 30 amp rated flexible type power supply cord (pigtail). Where local codes permit, it must be plugged into a mating 30 amp receptacle (NEMA type 10-30R). See Figure 1. (10-30R) 3-wire receptacle



- IF THE POWER SUPPLY CORD IS REMOVED, THE WASHER/DRYER MUST BE CONNECTED WITH 10 GAUGE COPPER WIRE ONLY. Aluminum wire must not be used at the washer/dryer appliance terminal block, to avoid potentially unsatisfactory connections. See Panel F, Alternate Electrical Connection, for detailed instructions.

- When removing the power supply cord (pigtail), the appliance may be connected directly to the fused disconnect (or circuit breaker) box through flexible armored or non-metallic sheathed 10 gauge copper cable. It is the personal responsibility and obligation of the customer to contact a qualified installer to assure that the electrical installation is adequate and is in conformance with the National Electrical Code and local codes and ordinances.

Allow slack in the line between the wall and the appliance so that it can be moved if servicing is ever necessary. A UL recognized strain relief must be provided at each end of the power supply cable (at the appliance and at the junction box). Wire sizes (10 gauge COPPER WIRE ONLY) and connection must conform with the rating of the appliance (30 amperes). DO NOT USE AN EXTENSION CORD.

- CAUTION** — For mobile home installation the 3-wire power supply cord must be removed and the appliance wiring must be revised: the appliance frame must not be connected to the neutral terminal, but must be connected to the ground cord (see Panel F, Alternate Electrical Connection, for detailed instructions).

Figure 2 (14-30R) 4-wire receptacle

Typical 30 Amp receptacle use; use where local codes permit flexible type supply cord (pigtail).

If a four-wire receptacle of NEMA type 14-30R (see Figure 2) is available, a matching power supply cord (pigtail) must be used. This cord contains four No. 10 gauge copper conductors with spade or ring terminals on the washer/dryer end and terminating in a NEMA type 14-30P plug on supply end. The Fourth (grounding) conductor must be identified by a green cover and the neutral conductor by a white cover. Cord should be type SRD or SRDT, with a UL recognized strain relief, and be at least 3 feet and no more than 6 feet long. The four wire power supply cord and strain relief are not provided with the washer/dryer.

Exhaust requirements

Four Inch Metal Exhaust Duct is required. (Do not use 3 inch exhaust duct.) **Metal** flexible duct may be used. Non-metallic flexible duct is not recommended.

For Safety:

- Do not exhaust dryer into a chimney, furnace cold air duct, attic or crawl space, or any other duct used for venting. Accumulated lint could become a fire hazard or moisture could

cause damage.

- The exhaust system should be cleaned periodically, at least every 2 years.
- Flexible duct should never be installed concealed in walls, ceiling or floor. **Use Duct Tape** to seal all joints.

Exhausting the dryer outside is recommended. If you cannot exhaust the dryer to the outside, use Exhaust Deflector Kit LCK4500 available from your Whirlpool dealer.

Exhausting the dryer through the side is available with use of Side Exhaust Kit LCK4600. Follow the installation instructions with the kit for proper exhaust installation.

For Mobile Home Exhaust Requirements see Panel F, Alternate Exhaust Methods, for detailed instructions.

The **Exhaust Duct** should end with an exhaust hood to prevent exhausted air returning into dryer. The outlet of the hood must be at least 12 inches from the ground or anything else that may be in the path of the exhaust.

A **2 1/2 inch outlet Exhaust Hood** should be used with short systems only. This outlet creates greater backward pressure than other hood types.

Exhaust Hoods with magnetic latches should not be used.

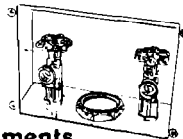
The **Maximum Length** of the exhaust system depends upon the type of duct used, number of elbows and type of exhaust hood. The maximum length for both rigid and flexible duct is shown in chart.

NUMBER OF 90° TURNS	EXHAUST HOOD TYPE			MAXIMUM LENGTH OF 6" DIA. RIGID METAL DUCT
	2 1/2" OUTLET	4" OUTLET	6" OUTLET	
0	43 FT.	41 FT.	38 FT.	MAXIMUM LENGTH OF 6" DIA. FLEXIBLE METAL DUCT
1	33 FT.	31 FT.	28 FT.	
2	23 FT.	21 FT.	18 FT.	
0	30 FT.	29 FT.	24 FT.	MAXIMUM LENGTH OF 6" DIA. FLEXIBLE METAL DUCT
1	24 FT.	23 FT.	18 FT.	
2	16 FT.	15 FT.	10 FT.	

Exhaust Systems longer than specified will:

- Shorten the life of the dryer.
- Reduce the performance, such as cause longer drying times and increase the use of energy.
- Accumulate lint.

Water supply and drain requirements



Hot and Cold water faucets within 4 feet of back of the washer/dryer and enough pressure (5-100 PSI) are required.

Water Heater should be set to deliver 130°F or above water to the washer for best results.

To **Drain** the Whirlpool washer, you need either a 20 gallon laundry tub or a two inch diameter standpipe having a minimum carry-away capacity of 17 gallons per minute. The top of the tub or the top of the standpipe cannot be lower than 28 inches or higher than 48 inches from the bottom of the washer. Use a floor drain only if a siphon break (air valve to equalize pressure) is installed. (A siphon break, Part No. 285320 is available from Whirlpool authorized parts distributor.)

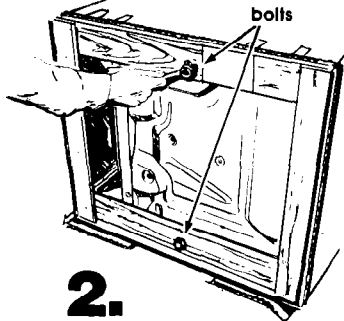


Standpipe

Now start...

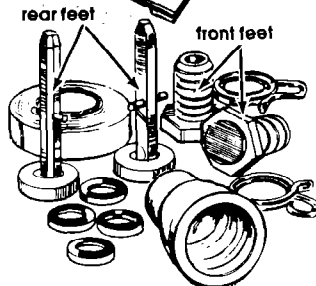
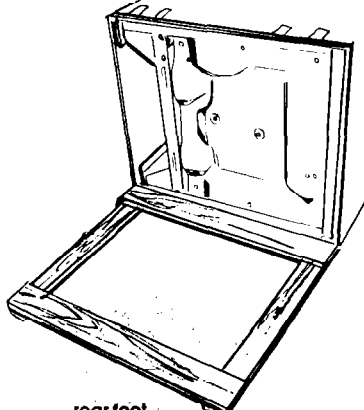
1.

Using a 7/16 inch socket wrench remove the two bolts holding the wood pallet to the bottom of the washer/dryer.



2.

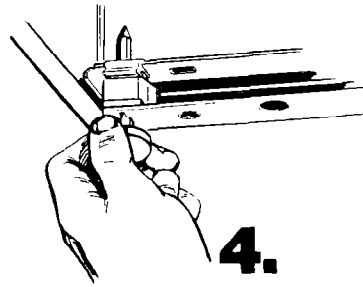
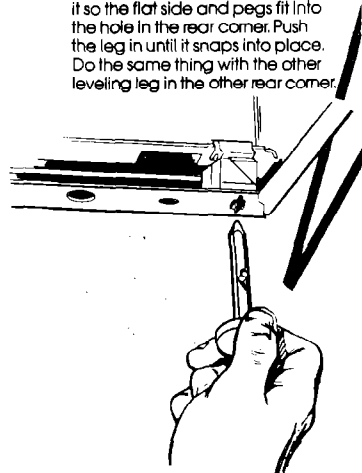
Then remove the pallet. Remove all parts from the plastic package. Line these up next to your tools so each part is there when you need it.



Check to see that you have these parts:
 4 legs 1 hose adapter
 2 hose clamps tape
 4 flat water hose washers

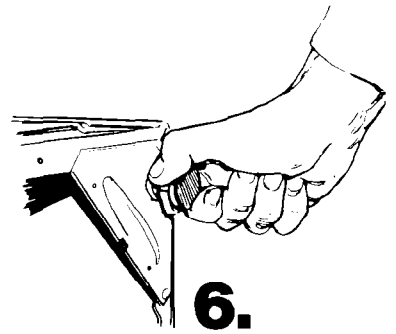
3.

Pick up a rear leveling leg; turn it so the flat side and pegs fit into the hole in the rear corner. Push the leg in until it snaps into place. Do the same thing with the other leveling leg in the other rear corner.



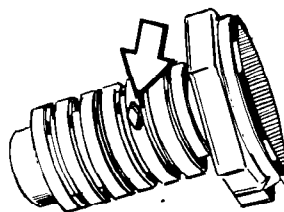
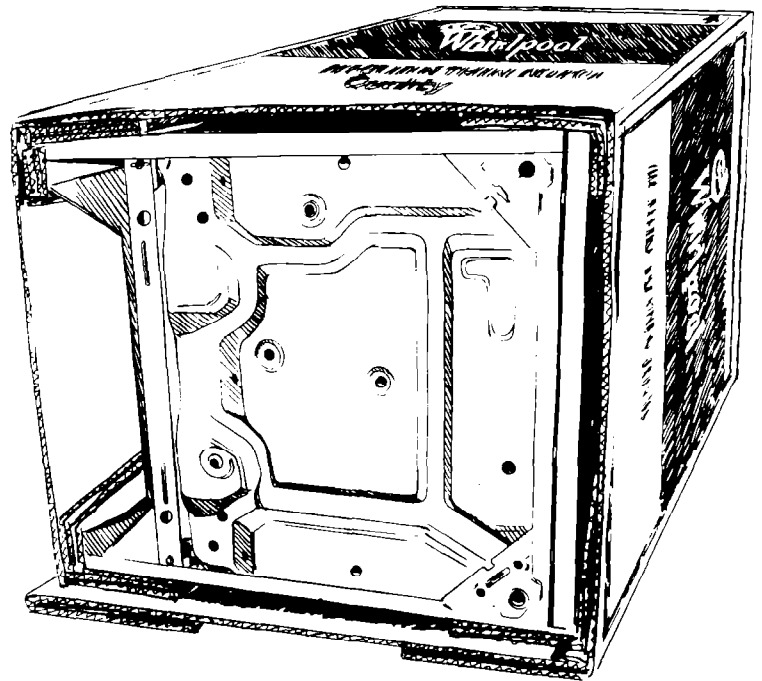
4.

When you have both rear legs in, push up on one leg; check to see if the other leg goes down. Check the other leg in the same way. (If the legs don't adjust as they're moved, go through step 3 again.)



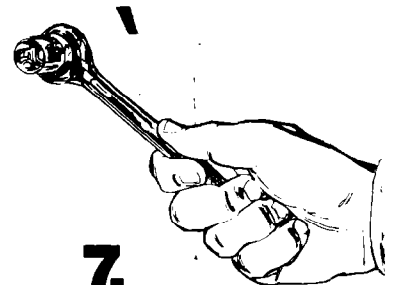
6.

Start to screw the front legs into the hole by hand. A little liquid detergent to lubricate the screw will help. (You'll need pliers to turn the leg all the way to the diamond.)



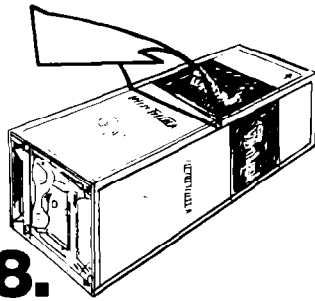
5.

With one of the front legs in hand, check the ridges for a diamond marking. That's how far the leg is supposed to go into the hole in the triangular brace at the front corner of the machine.

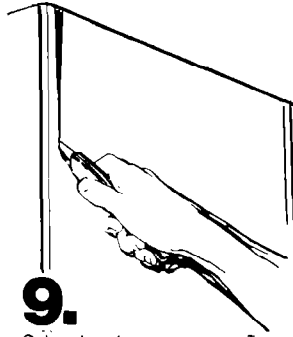


7.

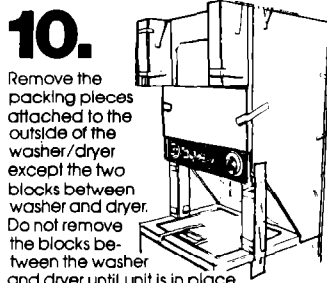
Using a 1/2" wrench, remove the two shipping bolts. The shipping bolts are the largest bolts. Do not remove the three smaller bolts as they are part of the suspension system.



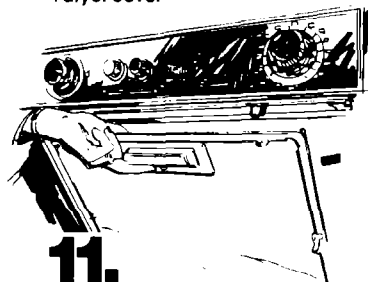
8.
With the washer/dryer still in the carton stand the washer/dryer upright.
Because of the weight and size of the washer/dryer, two people are required.



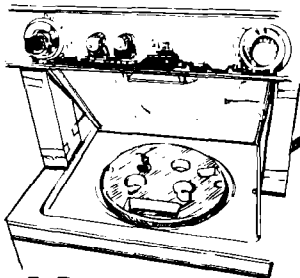
9.
Cut carton down one corner. To prevent appliance damage do not remove corner post before cutting down the corner. Remove the carton.



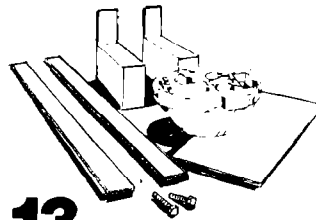
10.
Remove the packing pieces attached to the outside of the washer/dryer except the two blocks between washer and dryer. Do not remove the blocks between the washer and dryer until unit is in place. You should have these pieces:
2 front corner pieces
2 rear corner pieces
1 dryer cover



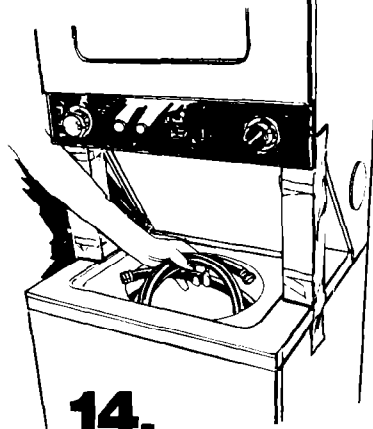
11.
Untape and open washer lid. Latch under the dryer will hold lid open.



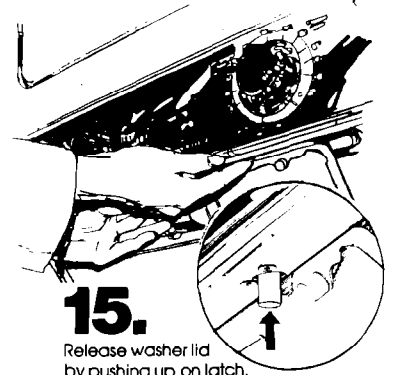
12.
Remove foam shipping piece.



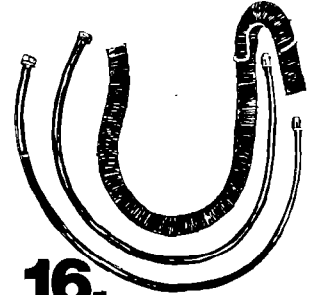
13.
Now check to see that you have all these shipping pieces.



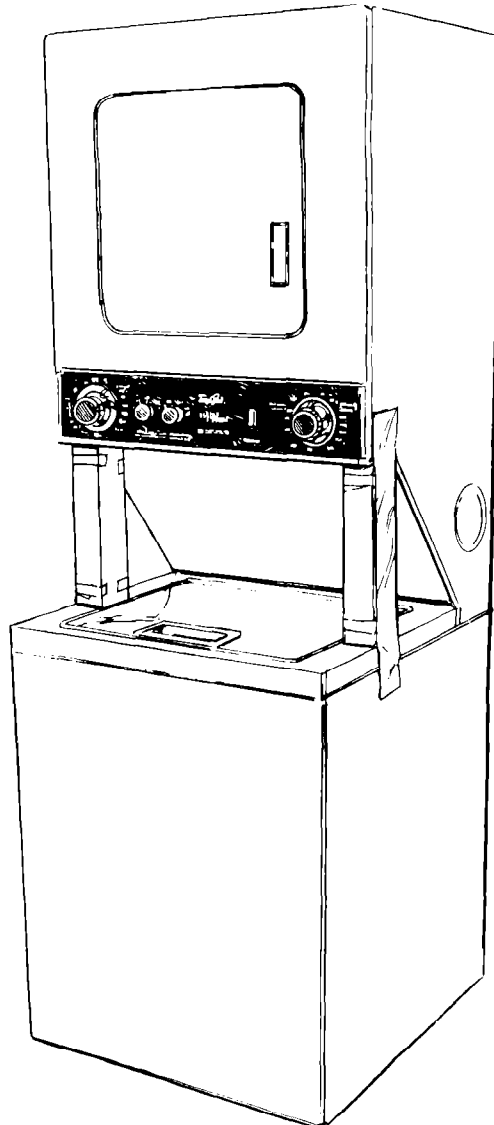
14.
Remove hoses from inside the washer.



15.
Release washer lid by pushing up on latch. Close lid.



16.
Place hoses by your other parts and tools. Check to see that you have these parts:
2 washer hoses
drain hose

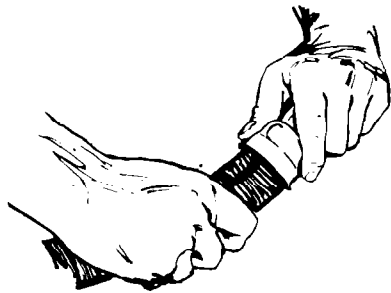


Do not remove the blocks between the washer and dryer until unit is in place.



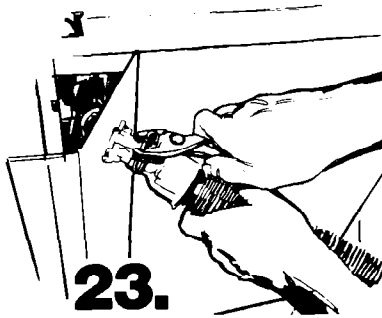
17.

Before you're ready to attach water supply hoses, run a little water from the faucets. This gets rid of any particles that might clog the hoses. Use the new hoses and flat washers that come with your Whirlpool washer/dryer.



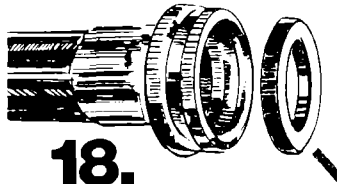
22.

Push adapter on flexible end of hose. Slide large clamp over adapter and hose.



23.

Remove cap from connector then put the small clamp on the connector. Push the hose adapter on the connector. Using pliers open clamp and slide the clamp over the adapter. Release clamp and check for secure fit.

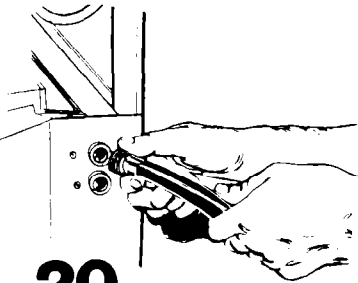


18.

Now place a flat washer into each end of the inlet hoses. (Check to make sure washers are firmly seated in couplings.) Attach hoses to faucets. Tighten couplings by hand, then make a final two-thirds turn with pliers.

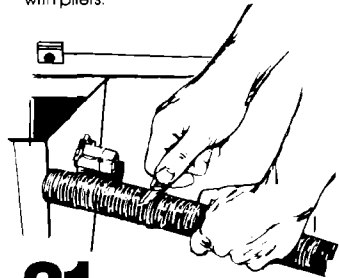
19.

Washer fill hoses, drain hose and electrical cord can be connected before moving the washer/dryer into final position if work space permits. (For installation in recessed, closet or mobile home locations see Alternate installations, panel F.)



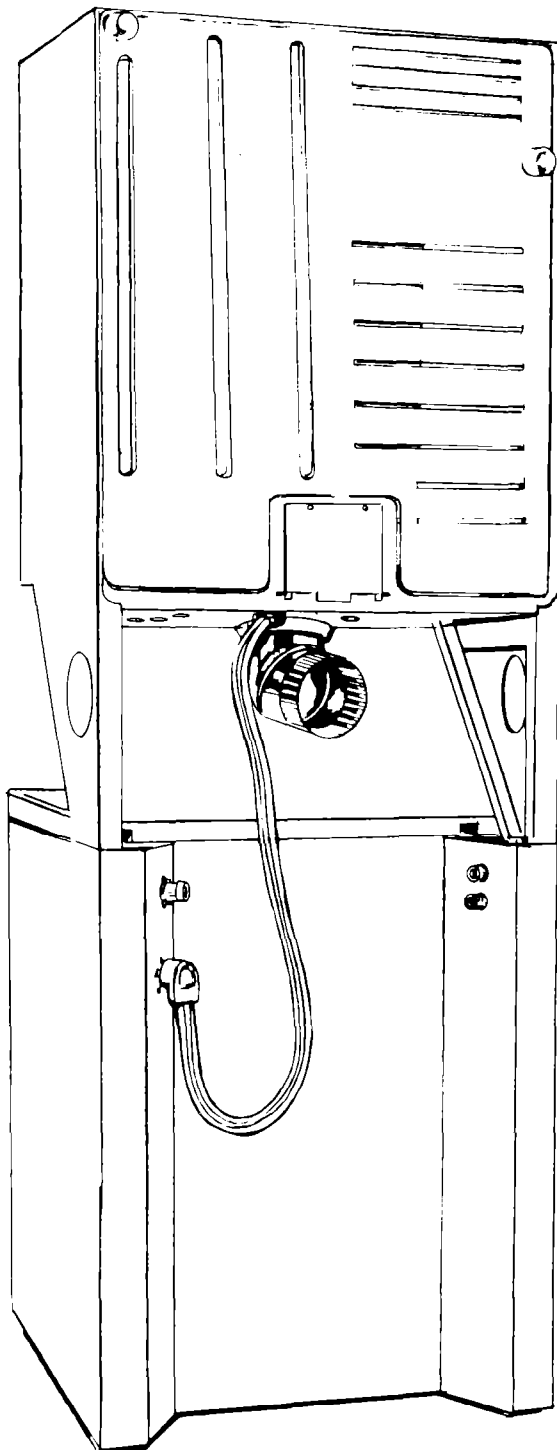
20.

Attach the hose from the cold water faucet to the top valve opening (marked "C") on the washer. Next attach hot water hose to the opening (marked "H") underneath. Tighten couplings by hand, then make an additional two-thirds turn with pliers.



21.

Put the "hook" end of the drain hose in the laundry tub or stand-pipe. Estimate how far away the the machine will be when it is in its permanent place. Cut the flexible end of the hose to that length. (Do not cut the hook-shaped end.)



24.

Move the washer/dryer to its permanent location. Put drain hose in tub or standpipe and secure according to Alternate Methods of Securing Ribbed Drain Hose, Panel F. Plug the electrical cord into the grounded outlet. (For mobile home installation see Alternate Electrical Connections, Panel G.)

25.

To make sure the washer is level, take a carpenter's level and place it on the top of the washer, first side to side, then front to back. If you do not have a level take your Whirlpool Operating Instructions; turn to the page where the controls are shown. Following those directions, (open washer lid) fill the water basket to any given row of holes, then stop the washer. Check to see if the water meets the holes all the way around the basket. If it does not, screw the front feet of the washer up or down to adjust. Then tilt the machine forward and the back legs will self-adjust.

26.

Take out two blocks between washer and dryer and place with other shipping pieces. Remove access panel by unscrewing 2 phillips head screws located at the top of the panel. Set panel and screws aside.

27.

To exhaust the dryer straight from back of the washer/dryer unit, determine if any additional exhaust duct is needed (see exhaust requirements, Panel A). To exhaust the dryer to either side or inside see Alternate Exhaust Methods, Panel F. Connect exhaust duct to exhaust hood.

28.

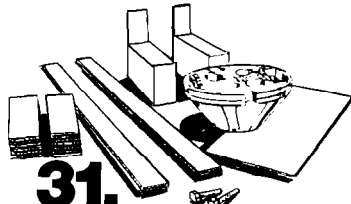
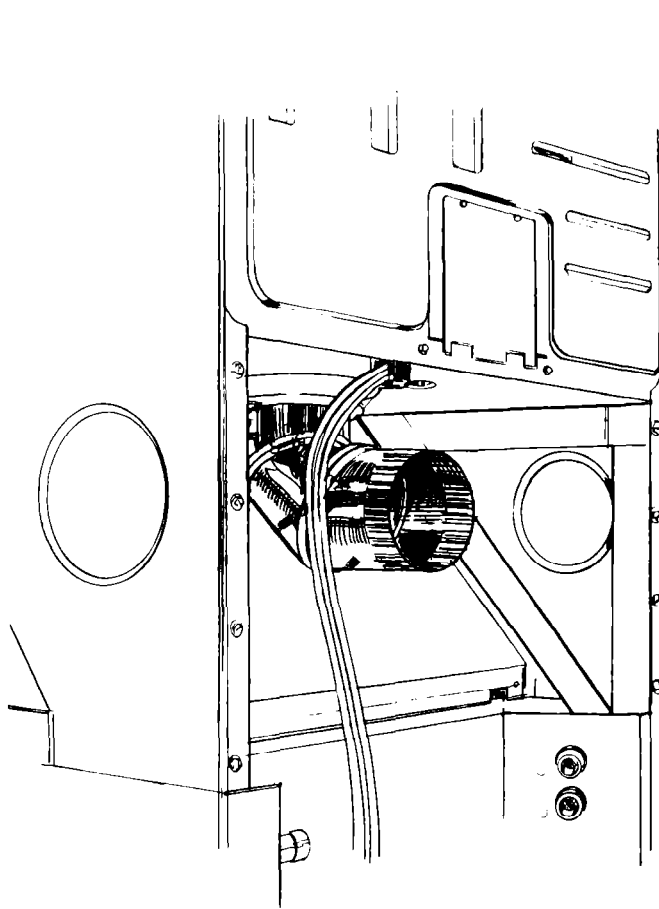
Use duct tape to seal all joints.

29.

With the washer control in the "OFF" position, turn on the water faucets and check for leaks. Tighten couplings if necessary.

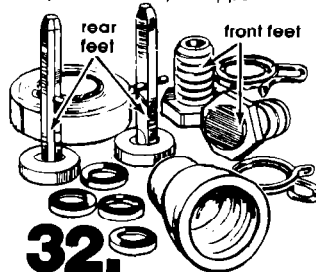
30.

Replace access panel. Be sure to tighten both screws.



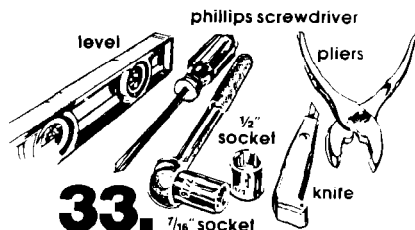
31.

Check to see if you have all of these shipping pieces removed from the washer/dryer. If you don't remove all the shipping materials, the washer/dryer may "walk" away from its location...it's happened! If you are missing a shipping piece go back through the steps to see what you skipped.



32.

Now check to see that all of the parts you removed from the installation parts bag in step 2 are now installed in the washer/dryer. If you still have an extra part, go back through the steps to see what you skipped.

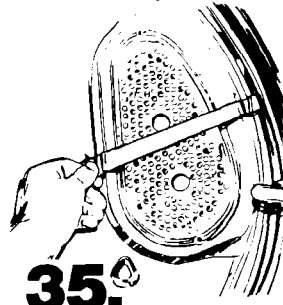


33.

Check to make sure you have all the tools you started with.

34.

Start the washer and allow it to complete a cycle to make sure the washer is working properly.



35.

Remove tape from dryer door. Open door and remove the tape that holds the lint screen in place. Check to be sure lint screen is in its proper position. Wipe out drum. Start dryer and allow it to complete a cycle to make sure the dryer is working properly.

36.

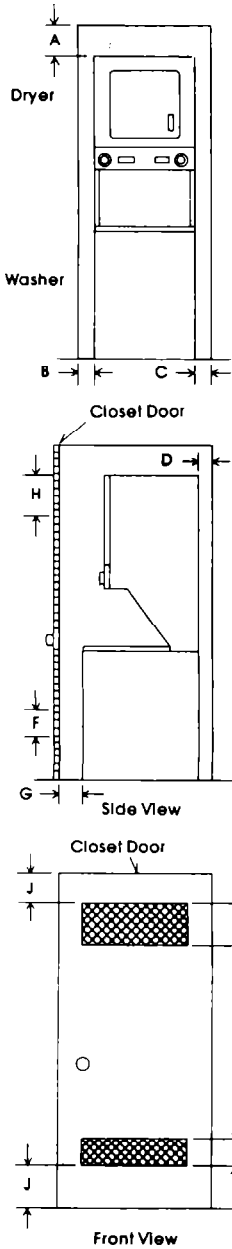
Finally, save all literature and keep with the washer/dryer. Save all shipping materials for reshipping.



Panel F

Alternate installations: recessed or closet area locations.

The following are minimum installation spacings and openings (in inches) that you should allow. For easier installation and service, consider additional spacing.



Minimum Installation Spacing

Recess installation	A	B	C	D
Non-Exhausted (Deflector LCK4500 Required)	0	0	0	0
Exhaust	0	0	0	0

Closet Installation	A	B	C	D	F	G	H	J
Exhaust Only	0	0	0	0	24" sq. in.	1	48" sq. in.	3

**Unobstructed air openings required for laundry equipment when door is installed. Louvered door with equivalent air openings is acceptable.

When the washer/dryer is installed in other than the recessed and closet type of installation shown, minimum dimensions indicated must be observed.

To prevent large amounts of lint and moisture from accumulating and to maintain drying efficiency, this appliance must be exhausted outdoors.

Non-exhausted installation - only rear exhaust position permitted. Use deflector Part No. LCK4500.

Alternate methods of securing ribbed plastic drain hose

A. Put the bent end of the ribbed plastic drain hose in the tub or standpipe.



Figure 3
Tape

B. The drain hose must be held securely with the tape provided so it does not come out of the tub or standpipe during use.



Figure 4

C. Wrap the tape around the drain hose and secure the hose as shown in Figures 3 Standpipe, 4 Tub, 5 In wall standpipe.

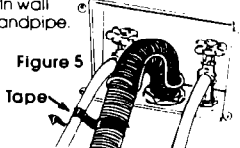


Figure 5

D. If the drain hose cannot be taped it must be cut exactly to length so the bent end is held tightly over the edge of the tub or standpipe see Figure 6.

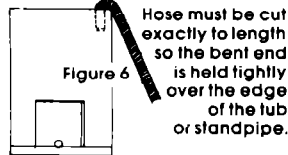


Figure 6

BE SURE THE HOSE IS NOT TWISTED OR KINKED AND IS SECURELY IN PLACE

Alternate exhaust methods.

A. There are exhaust kits available that allow you to direct filtered exhaust air inside to conserve energy during winter months. You may use these devices with Whirlpool dryers providing their use does not violate national or local codes, and the device does not restrict exhaust air flow. If you use one of these kits, be aware that excessive moisture in the home can cause many problems and that you may see an increase in the time required to dry a load. Also, you must maintain the kit installation properly to avoid excessive lint build-up, which can affect the dryer's performance.

B. For mobile home installation, the dryer must have an outside exhaust. If you exhaust the dryer through the floor and the area under your mobile home is enclosed, the exhaust system must terminate outside the enclosed area. Extension beyond the enclosure will prevent lint and moisture buildup under the mobile home. See Figure 7.

Mobile home installation

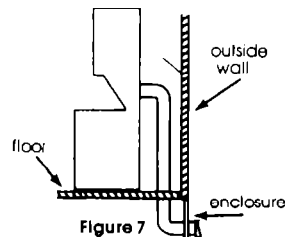


Figure 7

Alternate electrical connection.

Disconnect power supply cord from electric supply before making these changes.

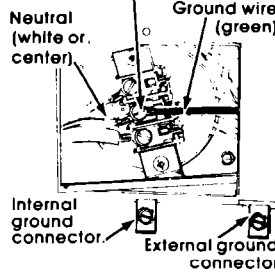
Electrical ground is required on this appliance.

This appliance is manufactured with the neutral terminal connected to the frame.

A. If local codes permit the use of a flexible type power supply cord (pigtail) and:

- DO NOT permit connection of the frame grounding conductor to the neutral wire of the power supply cord:
 - Remove terminal block cover.
 - Remove the ground wire (green) from the internal ground connector and fasten under center silver-colored terminal block screw. See Figure 8.

Center silver colored terminal block screw.



Connect separate copper ground wire from external ground connector to approved ground.

Ungrounded neutral

- Connect a separate copper ground wire (No. 10 minimum) to a grounded cold pipe* by means of a clamp and then to the frame of the appliance at the external ground connector. Use Part No. 685463 ground wire and clamp assembly. Do not ground to a gas supply pipe. Do not connect the power supply cord to electric power supply until appliance is permanently grounded.
- Replace terminal block cover.

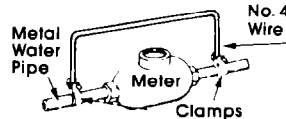


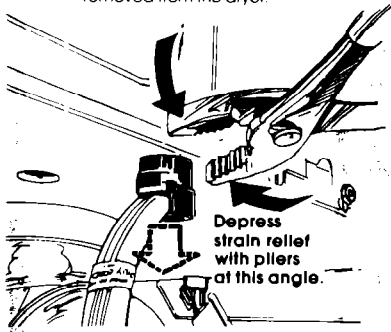
Figure 9

*Grounded cold water pipe must have metal continuity to electrical ground and not be interrupted by plastic, rubber or other electrical insulating connectors such as hoses, fittings, washers or gaskets (including water meter or pump). Any electrical insulating connector should be jumped as shown in Figure 9 with a length of No. 4 wire securely clamped to bare metal at both ends.

B. If Local codes DO NOT permit the use of a power supply cord and:

- Permit connection of the frame grounding conductor to the neutral wire of the power supply cord:
 - Remove the terminal block cover.
 - Disconnect the power supply cord from the terminal block.
 - Using adjustable pliers (See Figure 10), depress the strain relief. At the same time pull downward on the power supply cord until the locking groove in the strain relief clears the dryer bottom panel.

- d. Continue pulling out on the power supply cord until it is removed from the dryer.



Pull out power supply cord.

Figure 10

CAUTION: If non-metallic sheathed copper power supply cable is used, a U.L. recognized strain relief (U.L. mark on it or Whirlpool Part No. 687000) to fit a one inch hole size similar to the one shown in Figure 11 must be used.

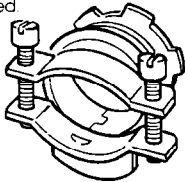
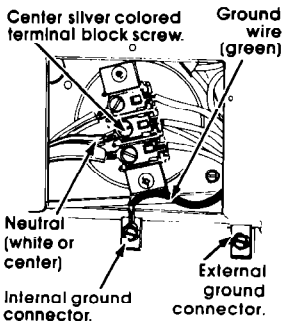


Figure 11

- e. Install copper power supply cable and strain relief.
- f. Connect the neutral wire of the flexible armored or non-metallic sheathed copper power supply cable to the center silver-colored terminal screw of the terminal block and connect the other wires to the outer terminals. See Figure 12. For connecting plain-end field wire, see Figure 15.
- g. Replace terminal block cover.



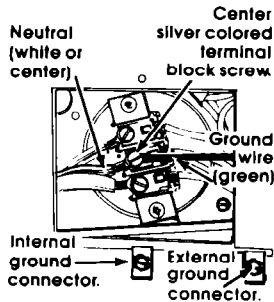
Grounded neutral
Figure 12

2. **DO NOT** permit connection of the frame grounding conductor to the neutral wire of the power supply cord:
- Remove terminal block cover.
 - Disconnect the power supply cord from the terminal block.
 - Using adjustable pliers (See Figure 10), depress the strain relief. At the same time pull downward on the power supply cord until the locking groove in the strain relief clears the dryer bottom panel.
 - Continue pulling out on the power supply cord until it is removed from the dryer.

CAUTION: If non-metallic sheathed copper power supply cable is used, a U.L. recognized strain relief (U.L. mark on it or Whirlpool Part No. 687000) to fit a one inch hole size similar to the

one shown in Figure 11 must be used.

- Remove the ground wire (green) from the internal ground connector and fasten under center silver-colored terminal block screw.
- Connect the neutral wire of the power supply cable to the center silver-colored terminal of the terminal block and connect the other wires to the outer terminals. See Figure 13. For connecting plain-end wire see Figure 15.



Connect separate copper ground wire from external ground connector to approved ground.

Ungrounded neutral
Figure 13

- g. Connect a separate copper ground wire (No. 10 minimum) to a grounded cold water pipe* by means of a clamp and then to the frame of the appliance at the external ground connector. Use Part No. 685463 ground wire and clamp assembly. Do not ground to a gas supply pipe. Do not connect the power supply cord to electric power supply until appliance is permanently grounded.
- h. Replace terminal block cover.

*Grounded cold water pipe must have metal continuity to electrical ground and not be interrupted by plastic, rubber or other electrical insulating connectors such as hoses, fittings, washers or gaskets (including water meter or pump). Any electrical insulating connector should be jumped as shown in Figure 9 with a length of No. 4 wire securely clamped to bare metal at both ends.

C. If connecting to a four-wire electrical system (mobile home):

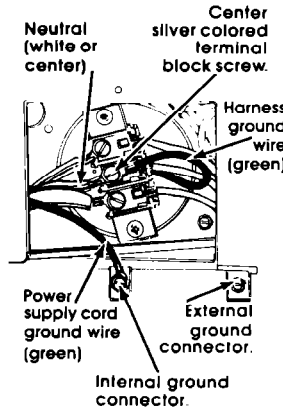
- Remove terminal block cover.
- Disconnect the power supply cord from the terminal block.
- Using adjustable pliers (See Figure 10), depress the strain relief. At the same time pull downward on the power supply cord until the locking groove in the strain relief clears the dryer bottom panel.
- Continue pulling out on the power supply cord until it is removed from the dryer.

CAUTION: If non-metallic sheathed copper power supply cable is used, a U.L. recognized strain relief (U.L. mark on it or Whirlpool Part No. 687000) to fit a one inch hole size similar to the one shown in Figure 11 must be used.

- Install copper 4-wire power supply cord and strain relief.
- Remove the ground wire (green) from the internal

ground connector and fasten under center silver-colored terminal block screw.

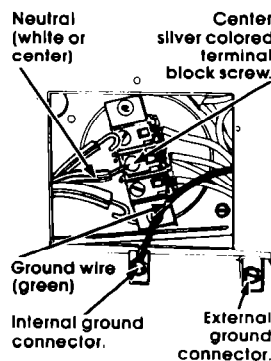
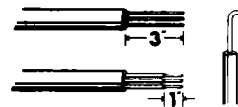
- Connect the ground wire (green) of the copper 4-wire power supply cord to the internal ground connector.
- Connect the neutral wire (white) of the power supply cord to the center silver-colored terminal screw of the terminal block and connect the other wires to the outer terminals. See Figure 14. For connecting plain-end wire, see Figure 15.
- Replace terminal block cover.



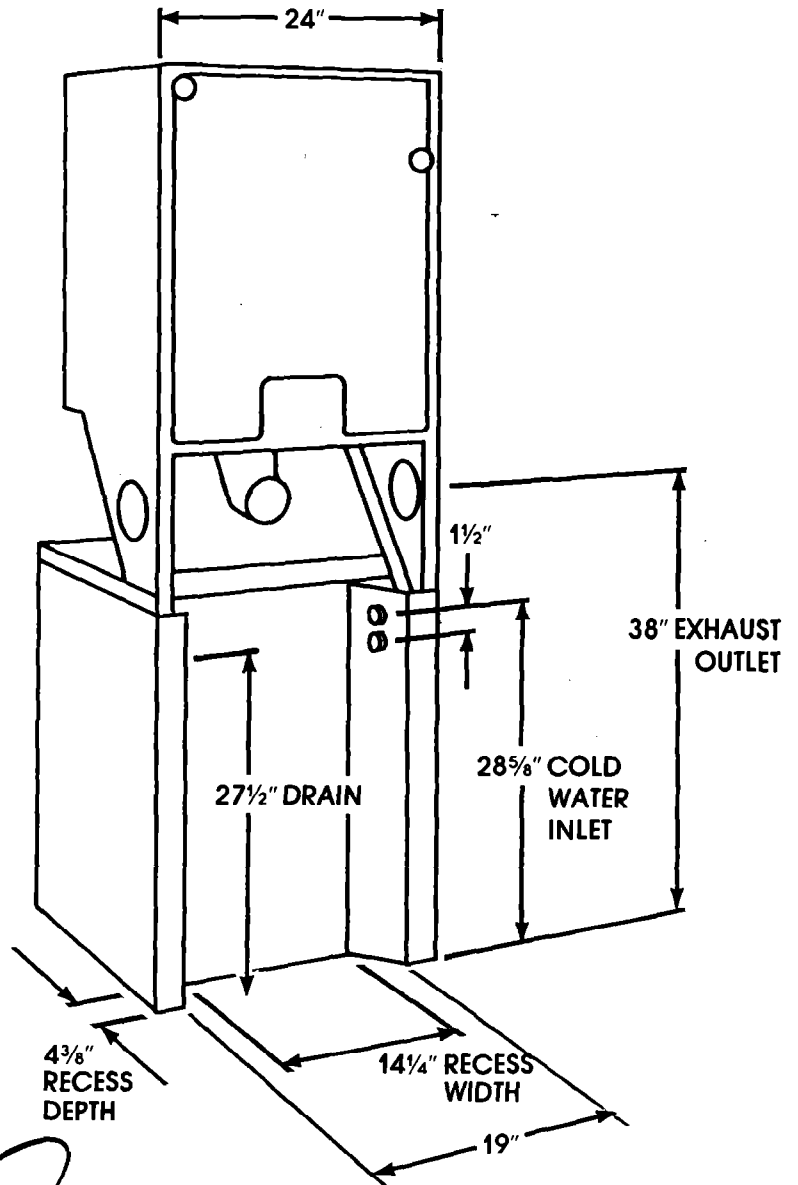
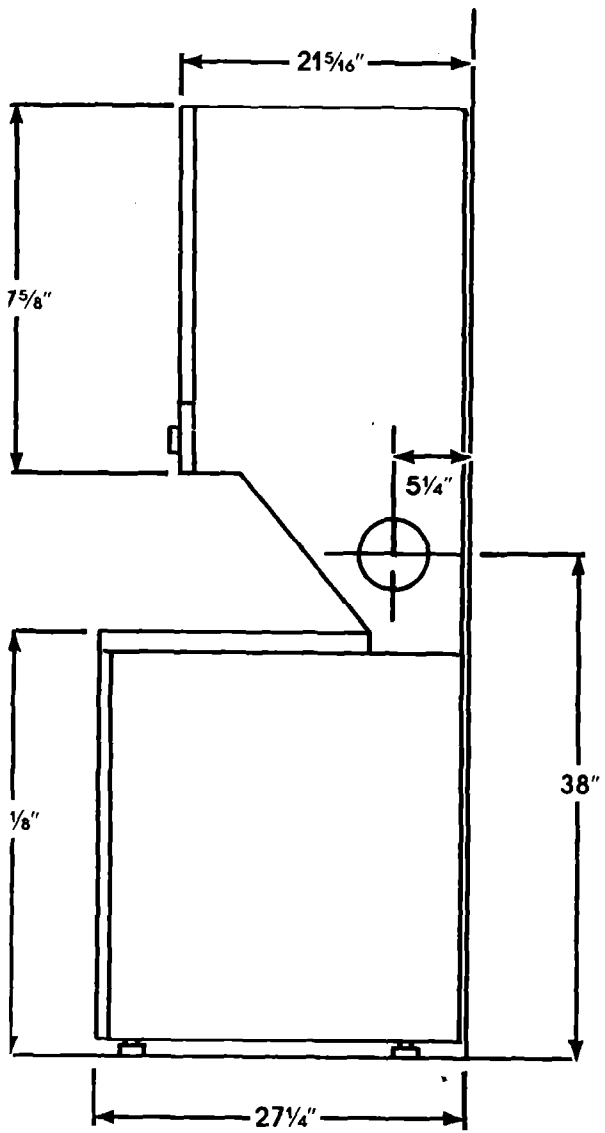
4 wire ungrounded neutral
Figure 14

IF YOUR POWER SUPPLY CORD OR DIRECT WIRING HAS PLAIN WIRE ENDS, SEE FIG. 15 AND FOLLOW THESE STEPS:

- Strip outer covering back 3 inches from the end exposing the 3 wires.
- Strip the insulation back 1 inch from the end of each wire. Form the bare wire into a "U" shaped hook.
- Loosen, do not remove, the center, silver-colored screw of the terminal block.
- Slide the end of the neutral (white or center) wire under the screw head with the open side of the hook on the right. Squeeze the wire together to form a loop.
- Tighten the screw firmly.
- Connect the remaining 2 wires to the outer screws the same way. Tighten screws firmly.



Plain end field wiring
Figure 15



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