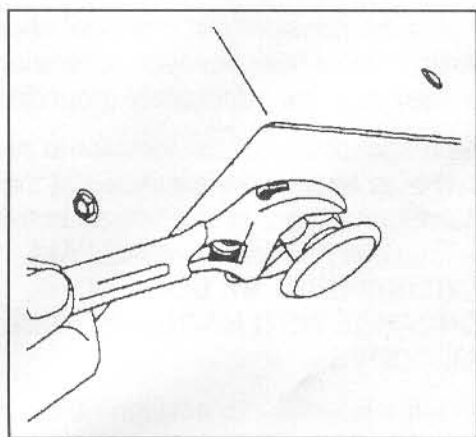




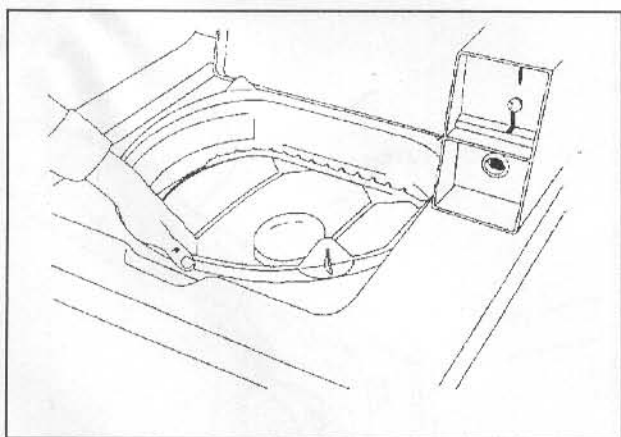
# COMMERCIAL TOPLOAD WASHER INSTALLATION & SET-UP INSTRUCTIONS PD/PS & PR MODELS

## STEP 1 PREPARE WASHER

1. Remove tape on lid. Remove accessory package from tub.
2. Tip the washer backward. Loosen front leveling leg lock nuts and install rubber feet.



3. Tip washer slightly forward. Loosen rear leveling leg lock nuts. Install rubber feet.
4. **REMOVE THE TUB BLOCK.**

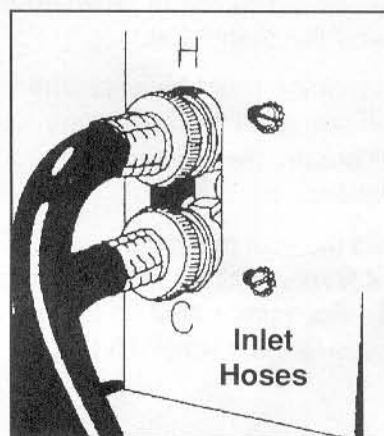


5. Remove the inlet hoses.

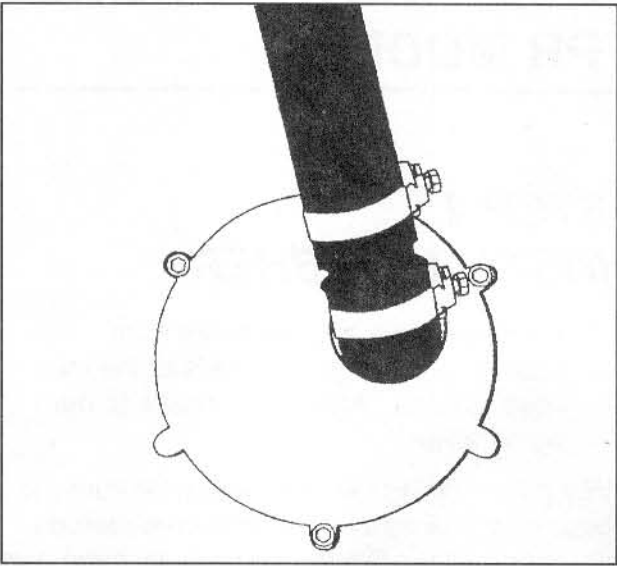
## STEP 2 INSTALL WASHER

1. Insert the plain hose washers from accessory package into ends of the inlet hose ferrules. Attach inlet hoses to the water valve.

When connecting the inlet hoses, be sure the hose connections are not cross-threaded on the water valve. Tighten securely by hand plus a 1/4 turn with pliers. Do not over-tighten as this will strip threads on the water valve.



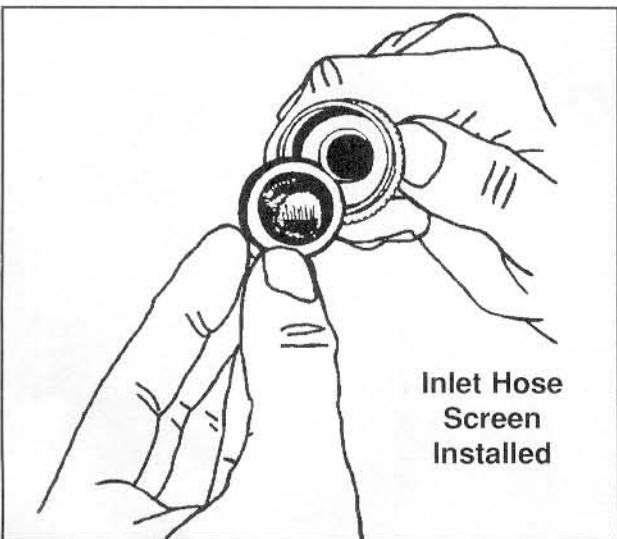
- If the drain hose must be shortened, a coupler and clamps will be needed. Do not cut gooseneck from end of drain hose.



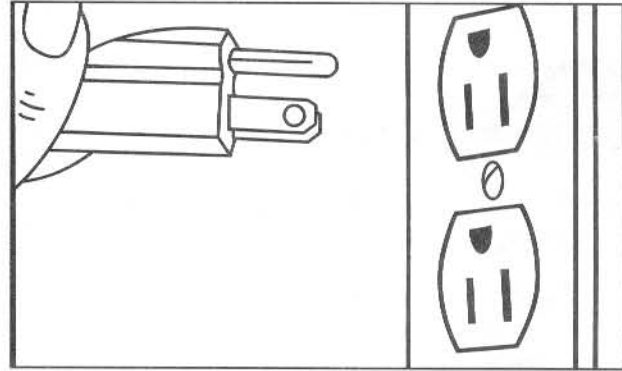
- Install the gooseneck end of the drain hose into the standpipe. Be sure an airtight connection is **not** made between the drain hose and the standpipe.

The standpipe must be approximately 36" high. If not, it will be necessary to install a siphon break. See Siphon Break Installation.

- Connect the inlet hoses to the water supply using a screen washer at faucet connections. **NOTE:** Accessory inlet hoses are available in various lengths up to 10 feet.



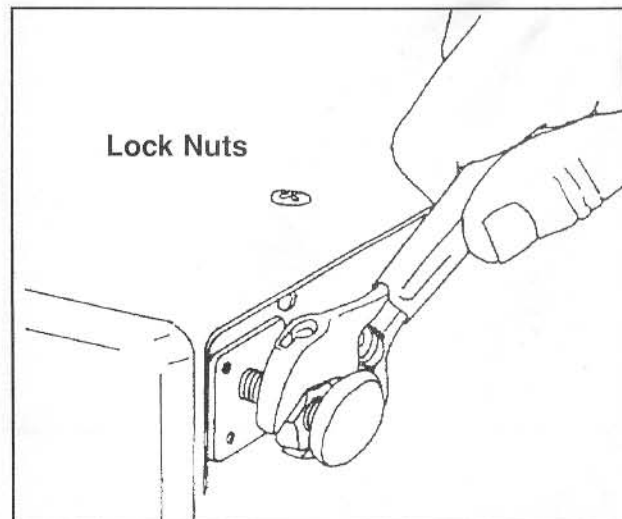
- Plug the power cord into a grounded 120 volt, 60 Hz approved electrical service protected by a 15 amp fuse or comparable circuit breaker. This washer is grounded through the third prong of the power cord when plugged into a three prong grounded receptacle.



To prevent the possibility of electrical shock, this washer (as is the case with other electrical appliances) must be adequately grounded.

It is the responsibility of the installer to assure the washer is adequately grounded at the point of installation taking into consideration the local conditions and requirements. **ALL GROUNDING MUST BE DONE IN ACCORDANCE WITH NATIONAL AND LOCAL CODES.**

- Slide the washer into position. **Do not kink the drain hose.**
- Level the washer by turning the leveling legs in or out as necessary. When the washer is level, tighten the leveling lock nuts.

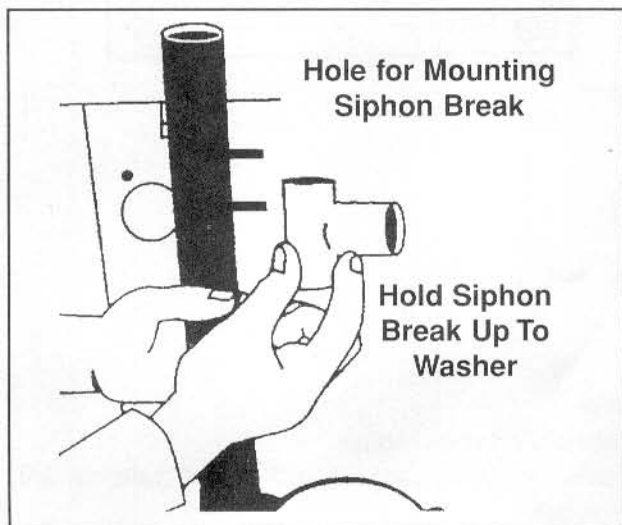


# SIPHON BREAK INSTALLATION

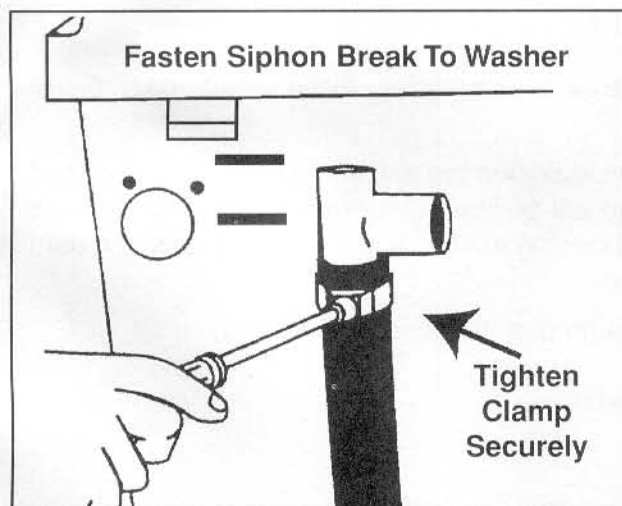
If a 36" standpipe is not available, a siphon break can be used.

## To install siphon break:

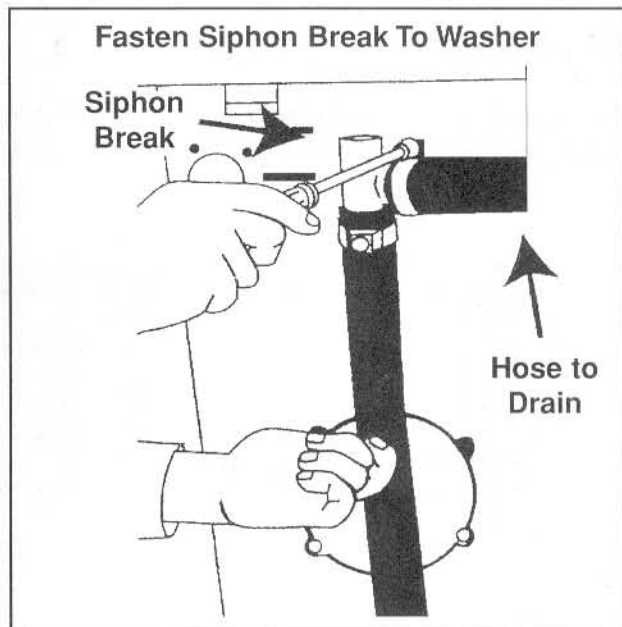
1. Hold the drain hose up to the cabinet. Cut the hose so that enough will be left to properly install the siphon break.



2. Slip the clamp over the portion of the hose attached to the pump. Insert open end of the siphon break into the hose and tighten the clamp over the siphon break.



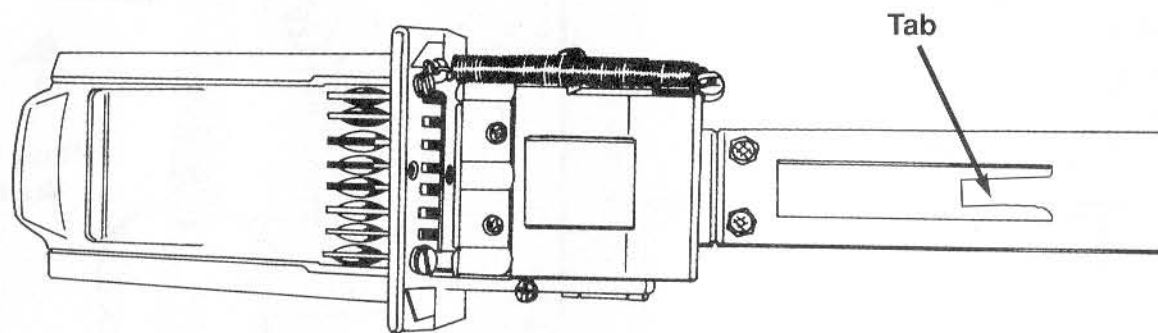
3. Install the end of the hose which was cut off over the other open end of the siphon break. Slip the open end clamp over the hose where it fits onto the siphon break. Using the screw provided, secure the clamp to the washer. Use the hole provided in back panel.



*This appliance **WILL NOT** have a vault security lock or coin box. For further assistance contact your commercial distributor regarding lock, keys and coin box.*

# PS MODELS ONLY

PS models are designed for use with a coin slide of your choice. **SPECIAL NOTE:** Some coin slides may require breaking and removing the tab on the actuator bracket.



## STEP 3 OPERATING WASHER

1. Insert coins until "SELECT CYCLE" flashes in display.  
**PD and PS Models:** Minutes purchased are also shown on the display.  
**PR Models:** A debit card is required rather than coins. In Enhanced Debit the card balance will also display when a debit card is inserted into the reader.
2. Press fabric setting key pad for the wash cycle desired. After the cycle is started, the time will display and count down.

## GENERAL USER INFORMATION

**BLANK DISPLAY** – This condition indicates the appliance is inoperative. Enter set-up mode to view diagnostic code.

**"0 MINUTES" SHOWING IN DISPLAY** – This condition indicates the appliance cannot be operated. Coins dropped or debit inputs during this condition will be stored in escrow but cannot be used until normal operation is restored by opening and closing the lid. If the lid switch fails, it must be replaced before normal operation can be restored.

**COLD START (initial first use)** – Appliance is programmed at the factory as follows:

Washer	10	minute wash period
	1	rinse and 1 minute of rinse agitation
	\$1.75	wash price (PD/PS models)
	\$0.00	wash price (PR models)

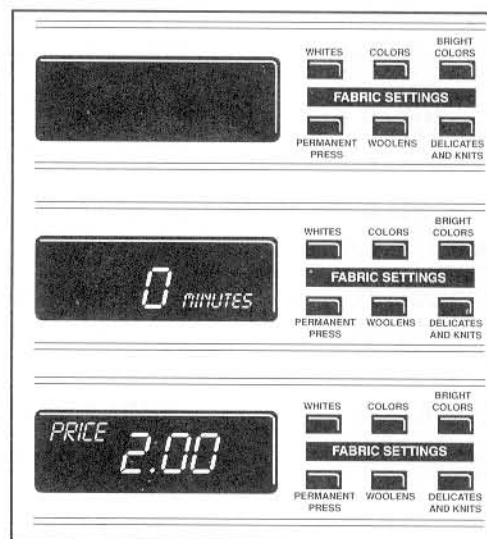
**WARM START (after power failure)** – After a delay of up to 8 seconds, the appliance is restored to the state that existed at time of the power failure.

**PRICING** – After the lid is opened following the completion of a cycle, the display indicates the cycle price (unless set for free operation). As coins are dropped or debit inputs arrive, the display will change to lead the user through the initiation of a cycle.

**FREE CYCLES** – This is established by setting the cycle price to zero. When this happens “SELECT CYCLE” will appear rather than a cycle price.

**DEBIT CARD READY** – This appliance is debit card “cable” ready. It will accept a variety of debit card systems; but does **NOT** come with a debit card reader. Refer to the debit card reader manufacturer for proper machine set-up. In models converted to a Generation 1 debit card system, debit pulses represent the equivalent of one coin.

**DISPLAY** – After the unit has been installed and plugged in, the display will show “0 MINUTES”. Once the unit has been plugged in and the washer lid opened the display will show the price. In washers set for free cycles the display will flash “SELECT CYCLE”.



## CONTROL SET-UP PROCEDURES

**IMPORTANT: READ ALL INSTRUCTIONS BEFORE OPERATING!**

The lower fabric setting key pads and the digital display are used to set up the controls. The display can contain 4 numbers and/or letters and a decimal point. These are used to indicate the set-up codes and related code values available for use in programming the appliance.

## HOW TO USE THE KEY PADS TO PROGRAM THE CONTROLS

1. The PERMANENT PRESS key pad is used to adjust the values associated with set-up codes. Pressing the key pad will increment the value. Rapid adjustment is possible by holding the key pad down.
2. The WOOLENS key pad will advance you through the set-up codes. Pressing the key pad will advance you to the next available set-up code. Holding the key pad down will automatically advance through the set-up codes at a rate of one (1) per second.
3. The DELICATES & KNITS key pad is used to select or deselect options.

## START OPERATING SET-UP

**PD/PS Models:** Insert access door key, turn, and lift to remove access door.

**PR Models:** Once the debit card reader is installed (according to the reader manufacturer's instructions), the set-up mode can be entered by inserting a manual set-up card (supplied by the reader manufacturer) into the card slot. If a manual set-up card is not available, manual set-up mode can be entered by removing connector AA1 on the circuit board.

**CAUTION: The console must not be opened unless power is first removed from the washer.** To access connector AA1, remove power, open console, disconnect plug on AA1, close console, apply power to washer. The washer is now in the set-up mode.

Before proceeding, it is worth noting that, despite all of the options available, an owner can simply choose to uncrate a new commercial machine, hook it up, plug it in and have a unit which operates.

Units are preset at the factory for a 10 minute wash period and 1 rinse.



# SET-UP CODES

The **WOOLENS** key pad will advance you from code to code. The **PERMANENT PRESS** key pad will change the code value. The **DELICATES & KNITS** key pad will select or deselect options.

**FOR PS & PR MODELS:** The set-up codes are the same as for the "PD" models except where noted.

The set-up code is indicated by the one or two left hand characters. The set-up code **value** is indicated by the two or three right hand characters.

CODE		EXPLANATION
607	6	<b>REGULAR CYCLE PRICE</b>
	07	Represents the number of quarters (coin 1); may adjust from 0–39. (See VALUE OF COIN 1.) Advance from 0–39 by pressing <b>PERMANENT PRESS</b> . Presently set for 7 quarters = \$1.75 <b>PR MODELS ONLY:</b> Presently set for 0 quarters. <b>PS MODELS ONLY:</b> Represents the number of push-in actuations of the coin slide to start the machine. <b>601</b> setting would represent one coin slide actuation. Press <b>WOOLENS</b> key pad once to advance to next code.
710	7	<b>WASH LENGTH</b>
	10	This is the number of minutes for WASH. Unit comes from the factory pre-set with 10 minutes. Choose from 8–20 minutes by pressing the <b>PERMANENT PRESS</b> key pad. Press <b>WOOLENS</b> key pad once to advance to next code.
811	8	<b>RINSE CYCLES</b>
	11	This is the length and total number of rinses. Each rinse agitation is 1–4 minutes, with a choice of 1 or 2 rinses. The middle digit is the length of rinse agitation and the right digit is the number of rinses. The number is changed in the following sequence (11, 21, 31, 41, 12, 22, 32, 42) by pressing <b>PERMANENT PRESS</b> key pad. Press <b>WOOLENS</b> key pad once to advance to next code. The <b>WOOLENS</b> and <b>DELICATES &amp; KNITS</b> cycles have a fixed rinse agitation length of one minute.
900	9	<b>CYCLE COUNTER OPTION</b>
	00	This option is either SELECTED 'ON' or NOT SELECTED 'OFF'. Not Selected 'OFF'.
	0C	Selected 'ON' and not able to be deselected. Press <b>DELICATES &amp; KNITS</b> key pad 3 consecutive times to select 'ON'. Once selected 'ON' it cannot be deselected. Press <b>WOOLENS</b> key pad once to advance to next code.

- 1.00 1. **MONEY COUNTER OPTION**  
 This option is either SELECTED 'ON' or NOT SELECTED 'OFF'.  
 00 Not Selected 'OFF'.  
 0C Selected 'ON'.  
 Press **DELICATES & KNITS** key pad 3 consecutive times to select 'ON' and 3 consecutive times to remove (Not Selected 'OFF'.) Counter resets by going from 'OFF' to 'ON'.  
 Press **WOOLENS** key pad once to advance to next code.
- C0 Selected 'ON' and not able to be deselected.  
 To select 'ON' and not able to be deselected, first select 'ON', then within two seconds press **DELICATES & KNITS** twice, **PERMANENT PRESS** once, and exit the set-up mode.
- 2.00 2. **SPECIAL PRICING OPTIONS**  
 This option is either SELECTED 'ON' or NOT SELECTED 'OFF'.  
 00 Not Selected 'OFF'.  
 SP Selected 'ON'.  
 Press **DELICATES & KNITS** key pad once for this selection.
- If SPECIAL PRICING OPTION is selected, you have access to codes 3. through 9.  
 Press **WOOLENS** key pad once to advance to next code.
- Options to use if SPECIAL PRICING is selected.
- 3.07 3. **SPECIAL CYCLE PRICE**  
 07 Represents the number of quarters (coin 1): may adjust from 0–39.  
 (See VALUE OF COIN 1.)  
 Advance from 0–39 by pressing **PERMANENT PRESS**.  
 Presently set for 7 quarters = \$1.75.  
**PR MODELS ONLY:** Presently set for 0 quarters.  
 Press **WOOLENS** key pad once to advance to next code.
- 5.00 5. **TIME-OF-DAY-CLOCK, MINUTES**  
 00 This is the TIME-OF-DAY-CLOCK, minute setting; select 0–59 minutes by pressing **PERMANENT PRESS** key pad.  
 Press **WOOLENS** key pad once to advance to next code.
- 6.00 6. **TIME-OF-DAY-CLOCK, HOURS**  
 (NOTE: Uses military time or 24 hr. clock)  
 00 This is the TIME-OF-DAY-CLOCK, hour setting; select 0–23 hours by pressing **PERMANENT PRESS** key pad.  
 Press **WOOLENS** key pad once to advance to next code.
- 7.00 7. **SPECIAL PRICE START HOUR**  
 (NOTE: Uses military time or 24 hr. clock)  
 00 This is the start hour; 0–23 hours. Select START HOUR by pressing **PERMANENT PRESS** key pad.  
 Press **WOOLENS** key pad once to advance to next code.
- 8.00 8. **SPECIAL PRICE STOP HOUR.** (NOTE: Uses military time or 24 hr. clock)  
 00 This is the stop hour; 0–23 hours. Select STOP HOUR by pressing **PERMANENT PRESS** key pad.  
 Press **WOOLENS** key pad once to advance to next code.

9.10 9. **SPECIAL PRICE DAY**  
 10 This represents the day of the week and whether special pricing is selected for that day. A number followed by '0' indicates no selection that particular day (9.10). A number followed by an 'S' indicates selected for that day (9.1S).

Days of the week (1-7) are selected by pressing **PERMANENT PRESS** key pad.

When exiting setup code "9.", the display must show current day of week.

	Days of the week	SPECIAL PRICE DAY If selected, would show
10	Day 1 Sunday	1S
20	Day 2 Monday	2S
30	Day 3 Tuesday	3S
40	Day 4 Wednesday	4S
50	Day 5 Thursday	5S
60	Day 6 Friday	6S
70	Day 7 Saturday	7S

Press **WOOLENS** key pad once to advance to next code.

A.00 A. **VAULT VIEWING OPTION**

This option is either SELECTED 'ON' or NOT SELECTED 'OFF'.

00 Not Selected 'OFF'.

SC Selected 'ON'.

Press **DELICATES & KNITS** key pad once for this selection. When selected, the money and/or cycle counts will be viewable (if counting is selected), when the coin box is removed.

Press **WOOLENS** key pad once to advance to next code.

b.05 b. **VALUE OF COIN 1.**

05 This represents the value of coin 1 in number of nickels.

05 = \$0.25.

By pressing **PERMANENT PRESS** key pad you have the option of 1-199 nickels.

**PS MODELS ONLY:** Represents the total vend price in nickels.

Example: **b.30** is equal to \$1.50.

Press **WOOLENS** key pad once to advance to next code.

C.20 C. **VALUE OF COIN 2.**

20 This represents the value of coin 2 in number of nickels.

20 = \$1.00.

By pressing **PERMANENT PRESS** key pad you have the option of 1-199 nickels.

**PR MODELS ONLY:** Presently set for 05 = \$0.25.

Press **WOOLENS** key pad once to advance to next code.



d.00	d.	<b>COIN SLIDE OPTION</b> This option is either SELECTED 'ON' or NOT SELECTED 'OFF'. Not Selected 'OFF'. Selected 'ON'. Press <b>DELICATES &amp; KNITS</b> key pad 3 consecutive times for this selection. When coin slide mode is selected, set b. equal to value of slide in nickels. Set step 6 (regular cycle price) and step 3. (special cycle price) to number of slide operations. If the installer sets up "CS" on a coin drop model, it will not register coins.  Press <b>WOOLENS</b> key pad once to advance to next code.
E.00	E.	<b>ADD COINS OPTION</b> This option is either SELECTED 'ON' or NOT SELECTED 'OFF'. This option causes the customer display to show the number of coins (coin 1) to enter, rather than the dollars-and-cents amount. Not Selected 'OFF'. Selected 'ON'. Press <b>DELICATES &amp; KNITS</b> key pad 3 consecutive times for this selection.  Press <b>WOOLENS</b> key pad once to advance to next code.
F.00	F.	<b>ENHANCED PRICING OPTION</b> Not Selected 'OFF'. CP Cycle-Based pricing enabled. This option allows configuration of different prices for cold, warm, and hot water cycles. Su Super Cycle pricing enabled. This option allows customers to upgrade cycles by depositing extra money. Setup codes 'H.' and 'h.' will only display when this option is enabled. Press <b>DELICATES &amp; KNITS</b> key pad 3 consecutive times for this selection.  Press <b>WOOLENS</b> key pad once to advance to next code.
H.01	H.	<b>SUPER CYCLE UPGRADE PRICE</b> (Skipped unless super cycle pricing is enabled) 01 This represents the number of coin 1 required to upgrade a base cycle to a super cycle. Advance from 0–39 by pressing <b>PERMANENT PRESS</b> key pad.  Press <b>WOOLENS</b> key pad once to advance to next code.
h.01	h.	<b>SUPER CYCLE TYPE</b> (Skipped unless super cycle pricing is enabled) 01 This represents the super cycle upgrade option. Press <b>PERMANENT PRESS</b> key pad to step through upgrade options 1 through 3 as follows:  01 - enhanced wash, extra 3 minutes of wash tumble in addition to the programmed wash time. 02 - extra rinse for all cycles, final warm rinse for WHITES, COLORS, and DELICATES & KNITS. 03 - both 01 and 02.  Press <b>WOOLENS</b> key pad once to advance to next code.

J.Cd	J.	<b>COIN/DEBIT OPTION</b>
	Cd	Both coin & debit selected.
	C_	Coins selected, debit disabled.
	_d	Debit Card selected, coins disabled.
		Press <b>DELICATES &amp; KNITS</b> key pad 3 consecutive times for this selection.
	Ed	Enhanced Debit is self-selected when a Generation 2 card reader is installed in the washer. The Ed option cannot be manually selected or deselected.
		Press <b>WOOLENS</b> key pad once to advance to next code.
L.00	L.	<b>PRICE SUPPRESSION OPTION</b>
		This option causes the customer display to show 'ADD' or 'AVAILABLE' rather than the amount of money to add. (Used mainly in debit installations.)
	00	Not Selected 'OFF'.
	PS	Selected 'ON'.
		Press <b>DELICATES &amp; KNITS</b> key pad once for this selection.
		Press <b>WOOLENS</b> key pad once to advance to next code.
n.CE	n.	<b>CLEAR ESCROW OPTION</b>
		When selected, money held in escrow for 30 minutes without further escrow or cycle activity will be cleared.
	00	Not Selected 'OFF'.
	CE	Selected 'ON'.
		Press <b>DELICATES &amp; KNITS</b> key pad once for this selection.
		Press <b>WOOLENS</b> key pad once to advance to next code.
U.00	U.	<b>PENNY INCREMENT OFFSET</b>
	00	This represents the penny increment price offset used in Generation 2 (Enhanced Debit) PR models. Choose from 0–4 pennies by pressing the <b>PERMANENT PRESS</b> key pad.
		Press <b>WOOLENS</b> key pad once to advance to next code.

If cycle counter (90C) is selected, the following is true:

100	Represents the number of cycles in HUNDREDS.	1 <u>02</u> = 200
200	Represents the number of cycles in ONES.	2 <u>25</u> = 25
		TOTAL = 225 cycles

This is "VIEW ONLY" and cannot be cleared.

Press **WOOLENS** key pad once to advance to next code.

If money counter (1.0C or 1.C0) is selected, the following is true:

300	Number of dollars in HUNDREDS.	3 <u>01</u> = 100
400	Number of dollars in ONES.	4 <u>68</u> = 68
500	Number of CENTS.	5 <u>75</u> = 75
		TOTAL = \$168.75

END of SET-UP PROCEDURES.

## EXIT FROM SET-UP MODE

**PD/PS Models:** Reinstall access door.

**PR Models:** Remove power, open console, reinsert plug onto AA1, close console, and apply power.

# DIAGNOSTIC CODES

If the set-up mode is entered and one of the following has occurred, the appropriate diagnostic code will be in the display.

- d1** Water level detection error on control board or due to power line interference (cycles and customer display disabled until diagnostic code is manually cleared).
- d4** Washer lid sense error on control board or due to power line interference (cycles and customer display disabled until diagnostic code is manually cleared).
- d5** Blocked coin 1 or coin drop control circuit failure (coin recognition and price display disabled while blockage persists).
- d7** Last fill was slow.
- d8** Last drain occurring during final spin was slow.
- d9** Voltage detected below 90 vac for 8 seconds.
- d12** Motor sense error detected on control board or due to power line interference.
- d13** Blocked coin 2 or coin drop control circuit failure (coin recognition and price display disabled while blockage persists).
- d16** Not receiving communications from installed debit card reader in Generation 2 debit mode.

## VERTICAL WASHER DIAGNOSTIC MODE

This mode is entered by depressing **DELICATES & KNITS** for 1 second while in any of the set-up codes 1 through 6 anytime a diagnostic code is present, or while dAS displays if operating with Maytag Data Acquisition setup.

On entry to diagnostic mode the entire display will flash, a cycle in process is cancelled, money in escrow is cleared, and diagnostic codes are cleared. If a diagnostic code persists, it must be corrected before the following cycle options are permitted.

There are two possible ways to initiate cycle activity from diagnostic mode as follows:

1. **Field Diagnostic Cycle** – With the entire display flashing, this cycle is started by pressing the **WOOLENS** key pad. This cycle provides a quick verification that the cold and hot water valves, pump, and motor are working. It is also a method to quickly get into a drain and spin to remove water from the machine if desired.

3 seconds cold fill “C” displayed

3 seconds hot fill “H” displayed

3 seconds agitate “A” displayed

9 seconds spin “S” displayed

Pressing the **WOOLENS** key pad will pause/resume the cycle at any point during the diagnostic cycle. Pressing the **DELICATES & KNITS** key pad will exit diagnostic mode and cancel a diagnostic cycle in process.

2. **Cycle Credit** – With the entire display flashing, a cycle may be credited by pressing the **PERMANENT PRESS** key pad (CC will display). When the service mode is exited “SELECT CYCLE” will be displayed unless the end-of-cycle lid opening is required.

# VERTICAL WASHER HELP MODE

This mode is entered by pressing the **PERMANENT PRESS** key pad while in special pricing or mode 2.XX (or while dAS displays if operating with Maytag Data Acquisition setup). In help **WOOLENS** can be used to advance through three help codes (displayed as 1h.XX, 2h.XX, 3h.XX), and the software revision. Pressing **DELICATES & KNITS** while any of the help codes displayed clears the three help codes. Press the **PERMANENT PRESS** key pad at any time to exit help mode.

In help mode, other display symbols and elements are mapped to reflect the state of various inputs and outputs as follows:

<b>WASH</b> .....	<b>water sensed at wash level</b>
<b>*</b> .....	<b>low voltage present (below about 90 VAC)</b>
<b>circle above digit</b> .....	<b>lid closed</b>
<b>OR</b> .....	<b>motor sensed running</b>
<b>COLD</b> .....	<b>cold water relay on</b>
<b>HOT</b> .....	<b>hot water relay on</b>
<b>DETERGENT</b> .....	<b>motor relay on</b>
<b>SPIN</b> .....	<b>spin (reversing) relay on</b>

# FINAL INSTALLATION CHECKLIST

- \_\_\_\_\_ Tub block and instruction package have been removed from tub.
- \_\_\_\_\_ Agitator is secured on the shaft.
- \_\_\_\_\_ Washer is plugged into electrical outlet and is properly grounded.
- \_\_\_\_\_ Water is turned on and checked for leaks at the faucet and water valve connections.
- \_\_\_\_\_ Drain hose is properly located into drain facility and is not kinked.
- \_\_\_\_\_ Washer has been leveled as close to the floor as possible. All legs should be firmly on the floor and leveling leg lock nuts **MUST** be tightened.
- \_\_\_\_\_ Washer fills properly on all temperature selections.
- \_\_\_\_\_ Agitate – after washer has filled.
- \_\_\_\_\_ Spin – be sure washer spins and drains.
- \_\_\_\_\_ Open lid to be sure washer does not continue spinning.

Make any corrections necessary to properly complete the installation.