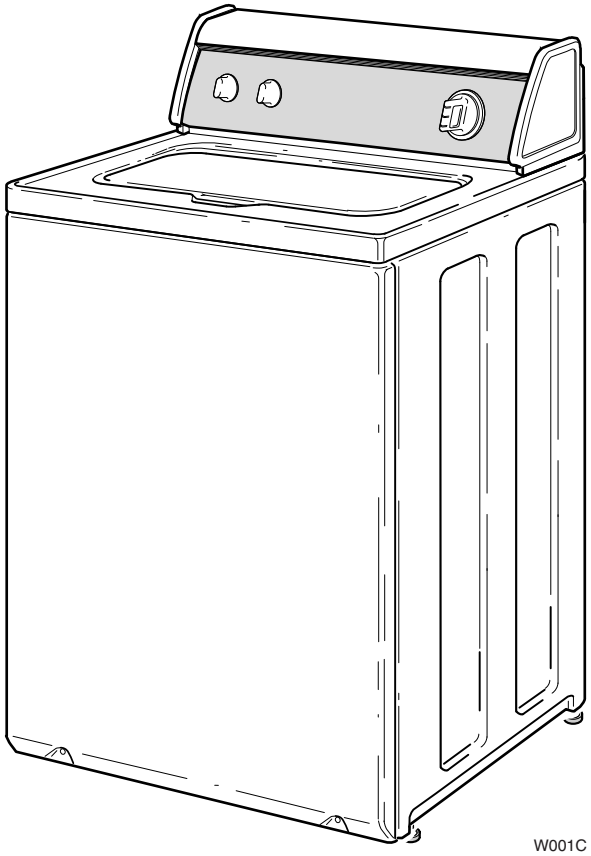
Home Automatic Washers

Refer to Page 6 for Model Numbers

Troubleshooting



W001C

Alliance Laundry Systems

www.alliancelaundry.com

Part No. 201143R7
October 2016

Table of Contents

Section 1
Safety Information

Throughout this manual and on machine decals, you will find precautionary statements (“CAUTION,” “WARNING,” and “DANGER”) followed by specific instructions. These precautions are intended for the personal safety of the operator, user, servicer and those maintaining the machine.

DANGER

Danger indicates an imminently hazardous situation that, if not avoided, will cause severe personal injury or death.

WARNING

Warning indicates a hazardous situation that, if not avoided, could cause severe personal injury or death.

CAUTION

Caution indicates a hazardous situation that, if not avoided, may cause minor or moderate personal injury or property damage.

Additional precautionary statements (“IMPORTANT” and “NOTE”) are followed by specific instructions.

IMPORTANT

The word “IMPORTANT” is used to inform the reader of specific procedures where minor machine damage will occur if the procedure is not followed.

NOTE

The word “NOTE” is used to communicate installation, operation, maintenance or servicing information that is important but not hazard related.

In the interest of safety, some general precautions relating to the operation of this machine follow.

WARNING

- **Failure to install, maintain and/or operate this product according to the manufacturer’s instructions may result in conditions which can produce serious injury, death and/or property damage.**
- **Do not repair or replace any part of the product or attempt any servicing unless specifically recommended or published in this Service Manual and unless you understand and have the skills to carry out the servicing.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the product is properly grounded and to reduce the risk of fire, electric shock, serious injury or death.**

W006R2

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the washer before servicing.**
- **Never start the washer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the washer is properly grounded.**

W003

WARNING

Repairs that are made to your products by unqualified persons can result in hazards due to improper assembly or adjustments subjecting you, or the inexperienced person making such repairs, to the risk of serious injury, electrical shock, or death.

W007

WARNING

If you or an unqualified person perform service on your product, you must assume the responsibility for any personal injury or property damage which may result. The manufacturer will not be responsible for any injury or property damage arising from improper service and/or service procedures.

W008

NOTE: The WARNINGS and IMPORTANT INSTRUCTIONS appearing in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when installing, maintaining or operating the washer.

Always contact your dealer, distributor, service agent or the manufacturer about any problems or conditions you do not understand.

Locating an Authorized Servicer

Alliance Laundry Systems is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Alliance Laundry Systems also recommends contacting an authorized technician and using authorized factory parts.

Section 2
Introduction

Model Identification

Information in this manual is applicable to these washer models.

Model Number	1 Speed Motor	2 Speed Motor	3 Speed Motor	Porcelain Washtub (cu. ft.)	Stainless Steel Washtub (cu. ft.)
AWN312SP303LW22		X			3.3
AWN432SP113FW28		X			3.3
AWN552SN301AW01		X			3.3
AWN552SN301NW22		X			3.3
AWN552SN301NW29		X			3.3
AWNA62SN301AW01		X			3.3
AWZ17N*-1102	X				3.3
AWZ44N*-1102		X			3.3
AWZ45N*-1102		X			3.3
AWZ51N*-1102		X			3.3
AWZ52N*-1102		X			3.3
AWZ53N*-1102		X			3.3
CWN311SP111CW01	X				3.3
CWN412SP111CW01		X			3.3
DWN412SP111CW01		X			3.3
DWN432SP113CW01		X			3.3
DWN432SP113CW04		X			3.3
FWN311SP301NW10	X				3.3
FWN311SP301NW22	X				3.3
LWB19A*-1109		X		3.3	
LWB19B*-1109		X		3.3	
LWB19M*-1109		X		3.3	
LWD51N*-1100		X			3.3
LWD52M*-1100		X			3.3
LWD52N*-1100		X			3.3
LWG74A*-3050		X			3.3
LWH16N*-3322	X			3.3	
LWH18A*-3322	X				3.3
LWH18N*-3322	X				3.3
LWK23A*-3050	X				3.3
LWK24A*-3050	X				3.3
LWK24N*-3050	X				3.3
LWK73A*-3050		X			3.3

*** Add Letter To Designate Color. L – Almond W – White Q – Bisque**

Model Number	1 Speed Motor	2 Speed Motor	3 Speed Motor	Porcelain Washtub (cu. ft.)	Stainless Steel Washtub (cu. ft.)
LWK74A*-3050		X			3.3
LWK74N*-3050		X			3.3
LWN311PP111NW22	X			3.3	
LWN311SP101NW22	X				3.3
LWN311SP111NW22	X				3.3
LWN311SP111TW05	X				3.3
LWN311SP301NW22	X				3.3
LWN311SP331NW22	X				3.3
LWN311SP541NW23	X				3.3
LWN311SP541RW01	X				3.3
LWN311WP101NW22	X			3.3	
LWN311WP111NW22	X			3.3	
LWN311WP301NW22	X			3.3	
LWN311WP331NW22	X			3.3	
LWN311WP541NW23	X			3.3	
LWN311WP541RW01	X			3.3	
LWN312SP301AW01		X			
LWN432PP113FW28		X		3.3	
LWN432SP113CW04		X			3.3
LWN432SP113FW28		X			3.3
LWS01A*-1000	X			2.9	
LWS01A*-1088	X			2.9	
LWS01A*-3088	X			2.9	
LWS01A*-3300	X			2.9	
LWS11A*-3062	X			3.3	
LWS01M*-1000	X			2.9	
LWS01M*-1088	X			2.9	
LWS01M*-3088	X			2.9	
LWS01M*-3300	X			2.9	
LWS01N*-3088	X			2.9	
LWS01N*-3300	X			2.9	
LWS02N*-1122	X			3.3	
LWS11N*-3062	X			3.3	
LWS16A*K	X			3.3	
LWS16A*-1000	X			3.3	
LWS16A*-3000	X			3.3	
LWS16A*-3022	X			3.3	
LWS16A*-3300	X			3.3	
LWS16A*-3322	X			3.3	
LWS16B*K	X			3.3	

*** Add Letter To Designate Color. L – Almond W – White Q – Bisque**

Model Number	1 Speed Motor	2 Speed Motor	3 Speed Motor	Porcelain Washtub (cu. ft.)	Stainless Steel Washtub (cu. ft.)
LWS16M*K	X			3.3	
LWS16M*-1000	X			3.3	
LWS16M*-3000	X			3.3	
LWS16M*-3022	X			3.3	
LWS16M*-3300	X			3.3	
LWS16M*-3322	X			3.3	
LWS16N*K	X			3.3	
LWS16N*-1000	X			3.3	
LWS16N*-1122	X			3.3	
LWS16N*-3022	X			3.3	
LWS16N*-3322	X			3.3	
LWS16N*-5423	X			3.3	
LWS17A*K	X				3.3
LWS17A*-1000	X				3.3
LWS17A*-3000	X				3.3
LWS17A*-3022	X				3.3
LWS17A*-3028	X				3.3
LWS17A*-3050	X				3.3
LWS17A*-3300	X				3.3
LWS17A*-3322	X				3.3
LWS17A*B3020	X				3.3
LWS17A*B3069	X				3.3
LWS17B*K	X				3.3
LWS17M*K	X				3.3
LWS17M*-1000	X				3.3
LWS17M*-1127	X				3.3
LWS17M*-3000	X				3.3
LWS17M*-3022	X				3.3
LWS17M*-3050	X				3.3
LWS17M*-3300	X				3.3
LWS17M*-3322	X				3.3
LWS17M*B3020	X				3.3
LWS17M*B3069	X				3.3
LWS17N*-1000	X				3.3
LWS17N*-1122	X				3.3
LWS17N*-1127	X				3.3
LWS17N*-3000	X				3.3
LWS17N*-3022	X				3.3
LWS17N*-3028	X				3.3
LWS17N*-3300	X				3.3

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Model Number	1 Speed Motor	2 Speed Motor	3 Speed Motor	Porcelain Washtub (cu. ft.)	Stainless Steel Washtub (cu. ft.)
LWS17N*-3322	X				3.3
LWS17N*-5423	X				3.3.
LWS17N*B3020	X				3.3
LWS17N*B3069	X				3.3
LWS17N*K	X				3.3
LWS21A*-3062	X				3.3
LWS21N*-3062	X				3.3
LWS42M*-3050		X			3.3
LWS42N*-3050		X			3.3
LWS45M*-1127		X			3.3
LWS45N*-1127		X			3.3
LWS45N*-1130		X			3.3
LWS52N*-1127		X			3.3
LWT42N*-1100		X			3.3
LWT52N*-1100		X			3.3
LWY17A*-1109	X				3.3
LWY17B*-1109	X				3.3
LWY17M*-1109	X				3.3
LWY45A*-1109		X			3.3
LWY45B*-1109		X			3.3
LWY45M*-1109		X			3.3
LWZ01M*-1102	X			2.9	
LWZ01N*-1102	X			2.9	
LWZ02N*-1102	X			3.3	
LWZ16A*-1000	X			3.3	
LWZ16M*-1000	X			3.3	
LWZ16N*-1000	X			3.3	
LWZ17A*-3000	X				3.3
LWZ17A*B3020	X				3.3
LWZ17A*B3069	X				3.3
LWZ17M*-3000	X				3.3
LWZ17M*B3020	X				3.3
LWZ17M*B3069	X				3.3
LWZ17N*-3022	X				3.3
LWZ17N*B3020	X				3.3
LWZ17N*B3069	X				3.3
LWZ20M*-3300	X				3.3
LWZ20N*-3300	X				3.3
LWZ22M*-1102		X		3.3	
LWZ22N*-1102		X		3.3	

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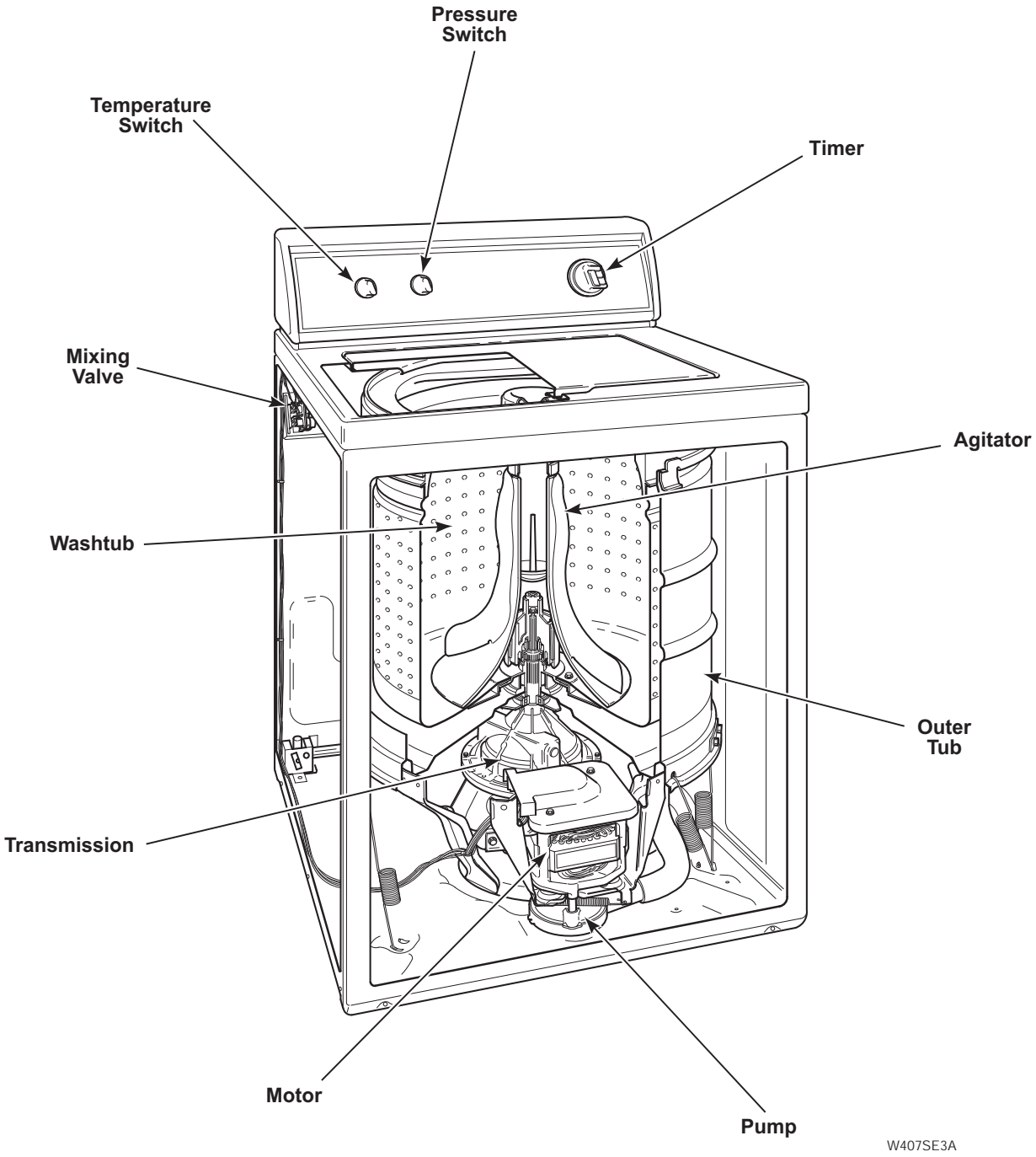
Model Number	1 Speed Motor	2 Speed Motor	3 Speed Motor	Porcelain Washtub (cu. ft.)	Stainless Steel Washtub (cu. ft.)
LWZ42M*-1102		X			3.3
LWZ42N*-1102		X			3.3
LWZ52M*-1102		X			3.3
LWZ52N*-1102		X			3.3
LWZ77M*-1102			X		3.3
LWZ77N*-1102			X		3.3
MWN311SP111TW06	X				3.3
TWN311SP301NW22	X				3.3
YWN311PP111CW01	X			3.3	
YWN321SP541RW01	X				3.3
YWN432SP113CW04		X			3.3
ZWN311SP111CW01	X				3.3
ZWN402PP111CW01		X		3.3	
ZWN412SP111CW01		X			3.3
ZWN432SP111CW01		X			3.3
ZWN432SP113CW01		X			3.3
ZWN432SP113CW04		X			3.3
ZWN432SP113FW28		X			3.3

*** Add Letter To Designate Color. L – Almond W – White Q – Bisque**

How Your Washer Works



The cycle begins with a wash fill. The water temperature is determined by the temperature selector. While water fills the washtub, a column of air is trapped in a pressure bulb and hose. The air pressure continues to increase as the washtub fills with water until it is great enough to activate the pressure switch. The pressure switch then causes the wash fill to stop and wash agitation to begin. However, the loading door must be closed for the washer to agitate or spin.

The washer uses a reversing type motor, a special drive belt and an idler assembly. The idler assembly applies tension to the outside of the drive belt.

During agitation, the motor runs in the counterclockwise direction. The spring tension on the idler pulley applies the tension required to reduce the slack on the drive belt and maintain maximum belt to motor pulley contact. This eliminates belt slippage and ensures an efficient wash action, even with extra large loads.

The belt drives the transmission drive pulley in the counterclockwise direction. The pulley drives the helix which is splined to the input shaft of the transmission. This causes the input shaft to turn inside of a roller clutch which is pressed into the transmission cover. This roller clutch acts as a bearing in the counterclockwise direction allowing the transmission gears to operate. The transmission's rack and pinion gear design produces a 210 degree agitation stroke at the output shaft of the transmission which drives the agitator. The brake assembly remains locked during the agitation mode since no pressure is applied to it by the transmission drive pulley.

After the wash agitation is completed, the timer advances into the first spin. During spin, the motor reverses turning in the clockwise direction to spin the water out of the washtub.

As water is removed by the pump and the momentum of the washtub increases, the idler spring tension gradually overcomes the belt tension removing the belt slack. This eventually increases the belt to pulley contact until maximum spin speed is achieved.

The combination of water, washtub and load weight cause the drive belt tension on the idler side of the belt to overtake the idler spring pressure allowing the belt to become slack on the opposite side. This reduces the belt to pulley contact and allows slipping between the belt and pulley.

The drive pulley turns clockwise riding up the ramps of the helix, exerting pressure on the brake and forcing it to release from brake pads. The helix drives the input shaft of the transmission, and when the input shaft turns in the clockwise direction the roller clutch locks onto the shaft causing the entire transmission assembly to turn. None of the gears in the transmission are operating at this time. The hub of the washtub is splined to the transmission tube and rotates with the transmission assembly. The centrifugal force created by the spinning washtub causes water to be extracted from the clothes.

Water is introduced during the first spin to "SPRAY" the garments and remove suds from them. The initial spin is followed by rinse agitation to rinse away any detergent residue. The washer fills and then agitates like the wash portion of the cycle. Following rinse agitation, a final spin extracts the rinse water from the clothes preparing them for the dryer.

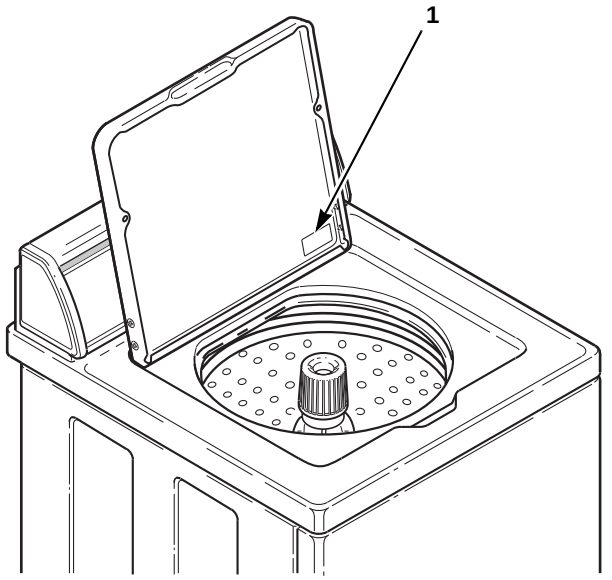
Customer Service

If literature or replacement parts are required, contact the source from whom the machine was purchased or contact Alliance Laundry Systems at (920) 748-3950 for the name and address of the nearest authorized parts distributor.

For technical assistance, call (920) 748-3121.

Nameplate Location

When calling or writing about your product, be sure to mention model and serial numbers. Model and serial numbers are located on nameplate(s) as shown.



1 Nameplate

Section 3
General Troubleshooting

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the washer before servicing.**
- **Never start the washer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the washer is properly grounded.**

W003

IMPORTANT: Refer to Wiring Diagram for aid in testing washer components.

1. Clicking Noise During Operation on NEWLY Installed Units

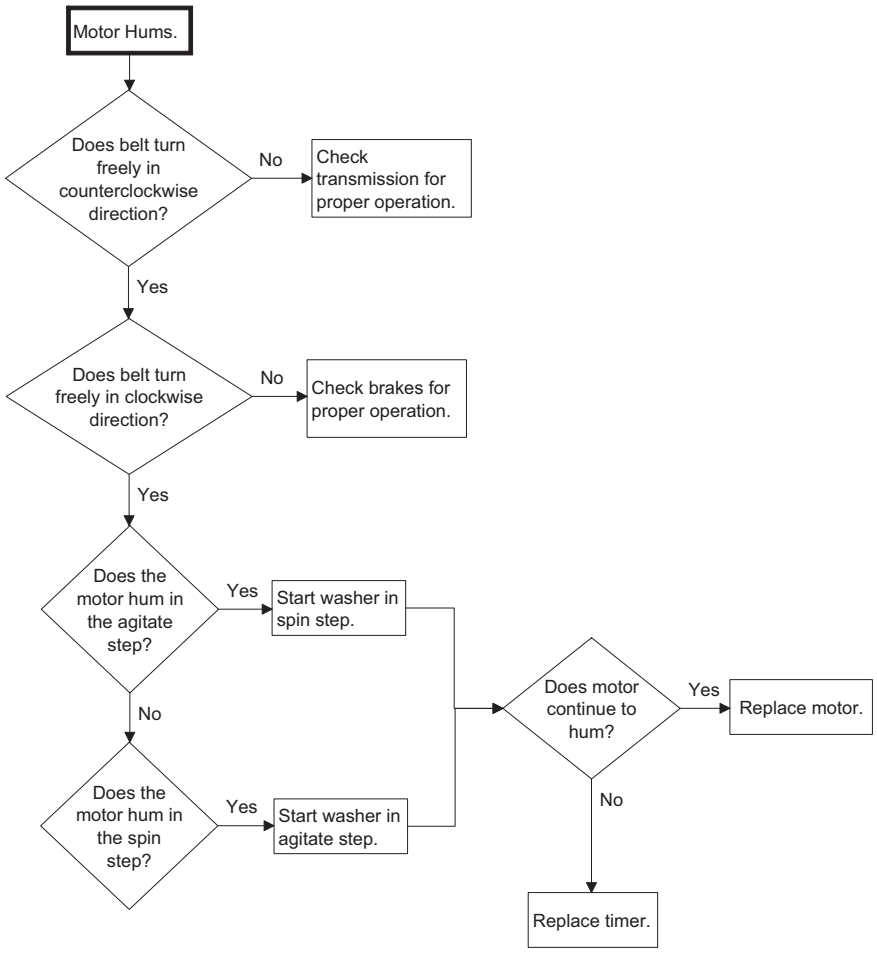
If a clicking noise is heard when first starting up a new topload washer, the noise is related to the belt taking a temporary “set” around the idler pulley. The set causes a slight bump in the belt which in turn causes the idler lever to tap the motor bracket making the clicking noise. THE BELT DOES NOT NEED TO BE REPLACED.

To correct this condition please perform the following break-in procedure:

1. After installing the unit start a fill cycle to make sure the seals have been lubricated.
2. Stop the fill cycle and place the unit into a spin cycle.
3. Run the cycle for several minutes until the belt has warmed up. This will remove the “set.”
4. Normal use will keep the belt from resetting.
5. For extended periods of non-use (three to four weeks), this procedure might need to be repeated.

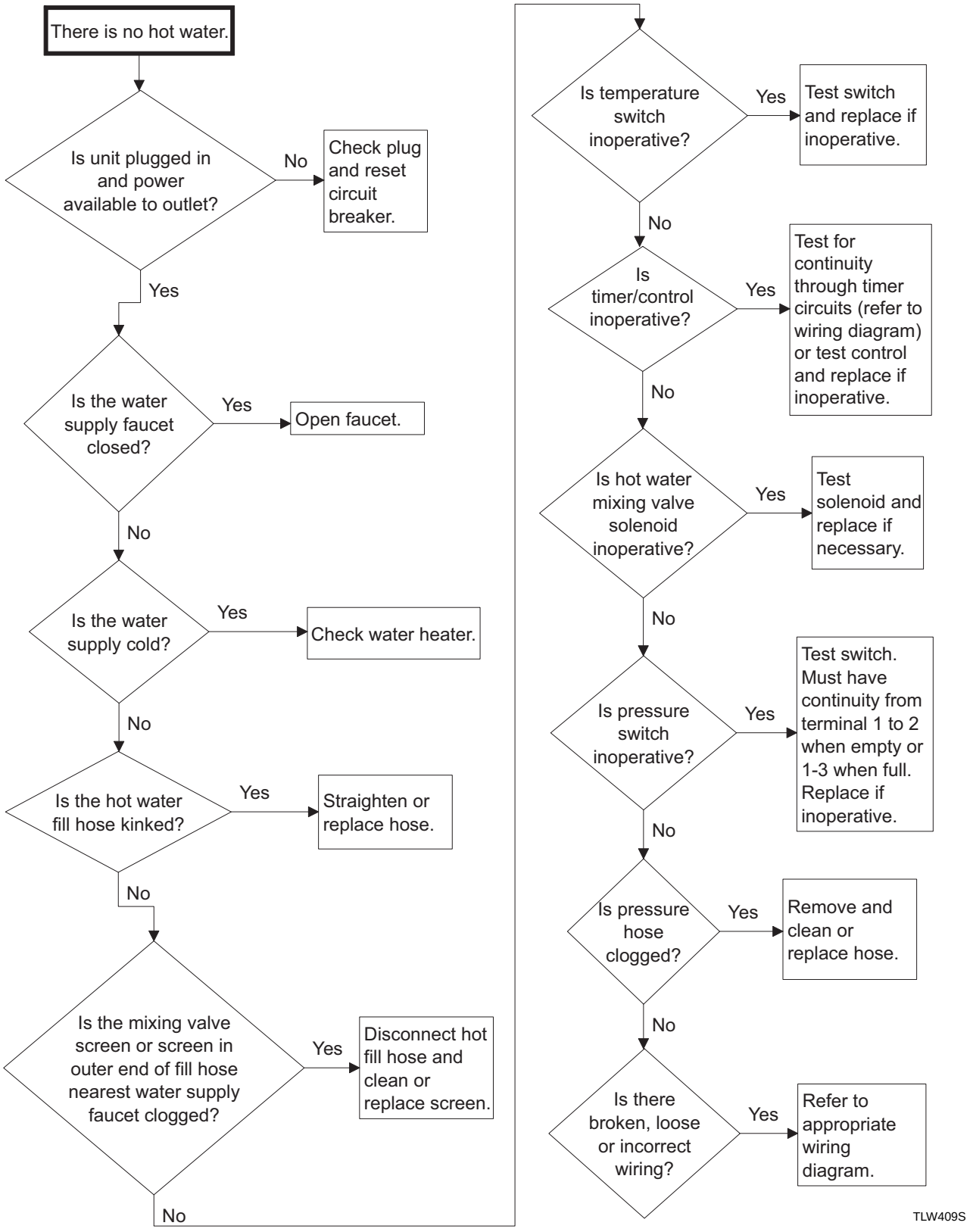
2. Motor Hums

A topload washer exhibiting a humming motor in agitation or spin may require the timer or motor to be replaced. Refer to flow chart below to determine if the motor or timer needs to be replaced.

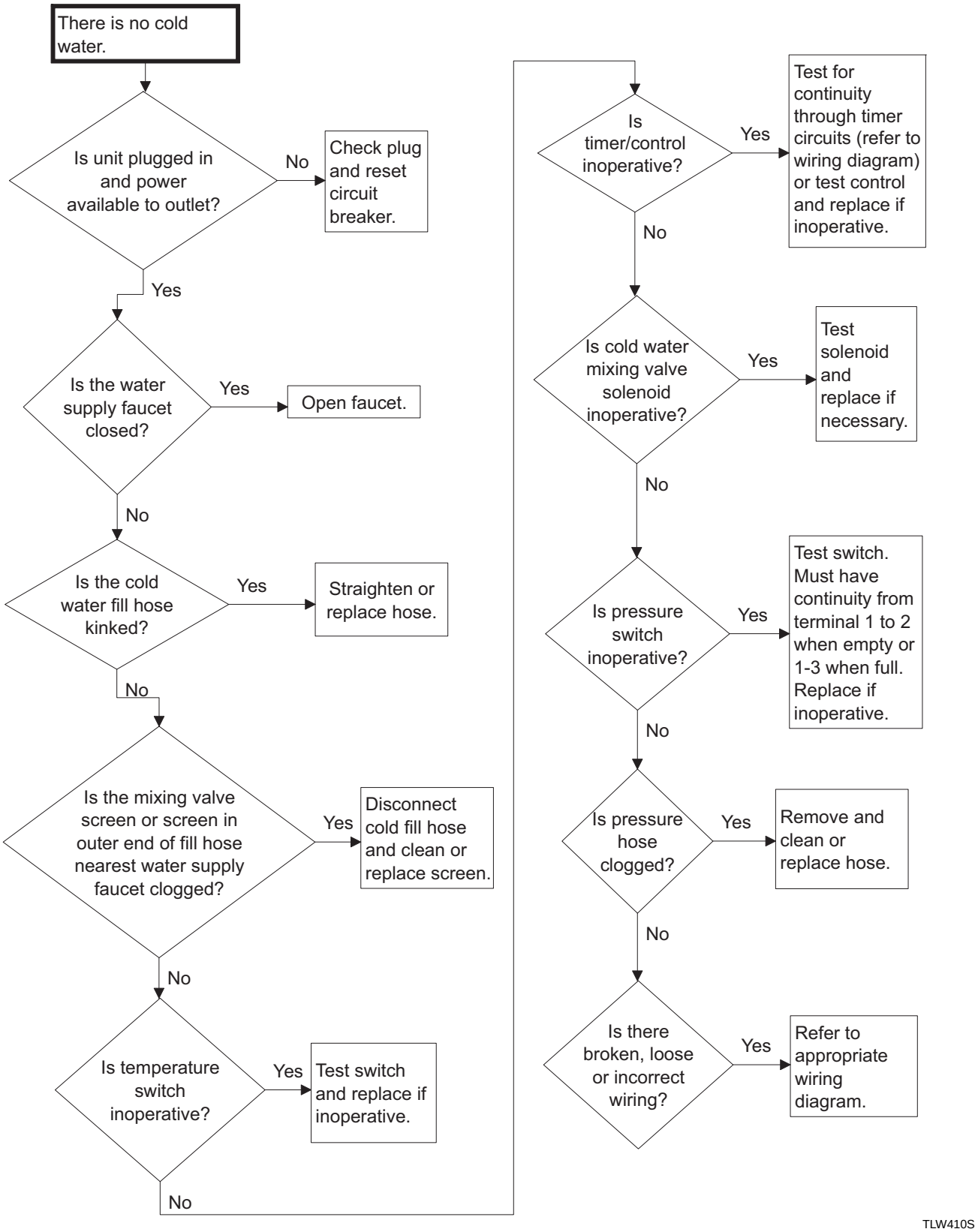


TLW403S

3. No Hot Water

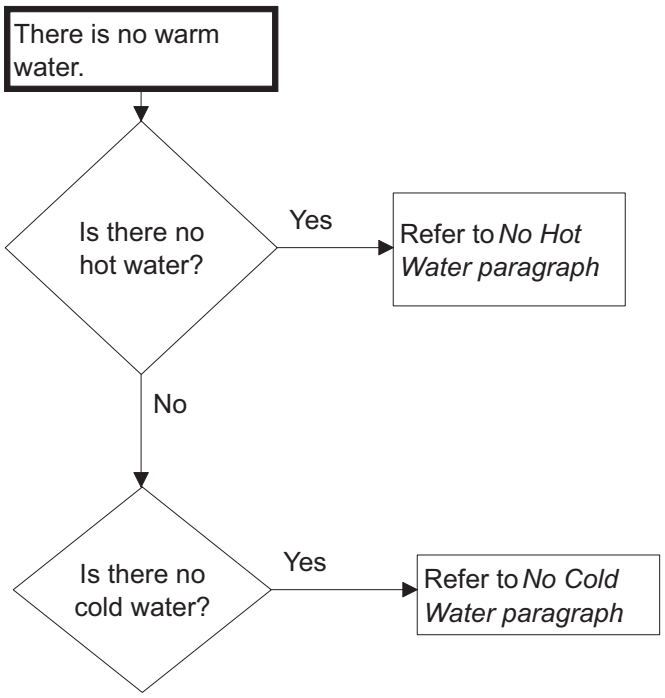


4. No Cold Water



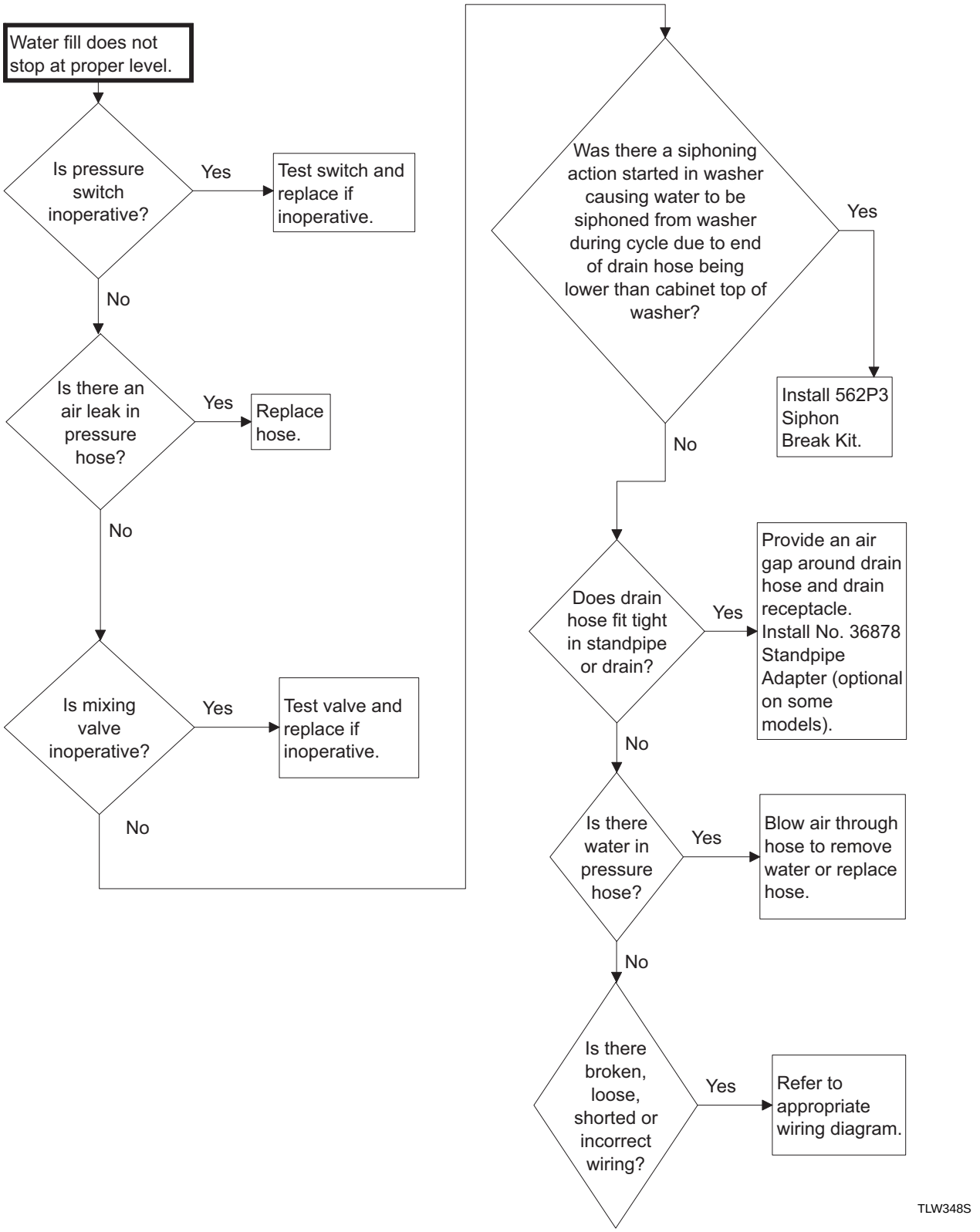
TLW410S

5. No Warm Water

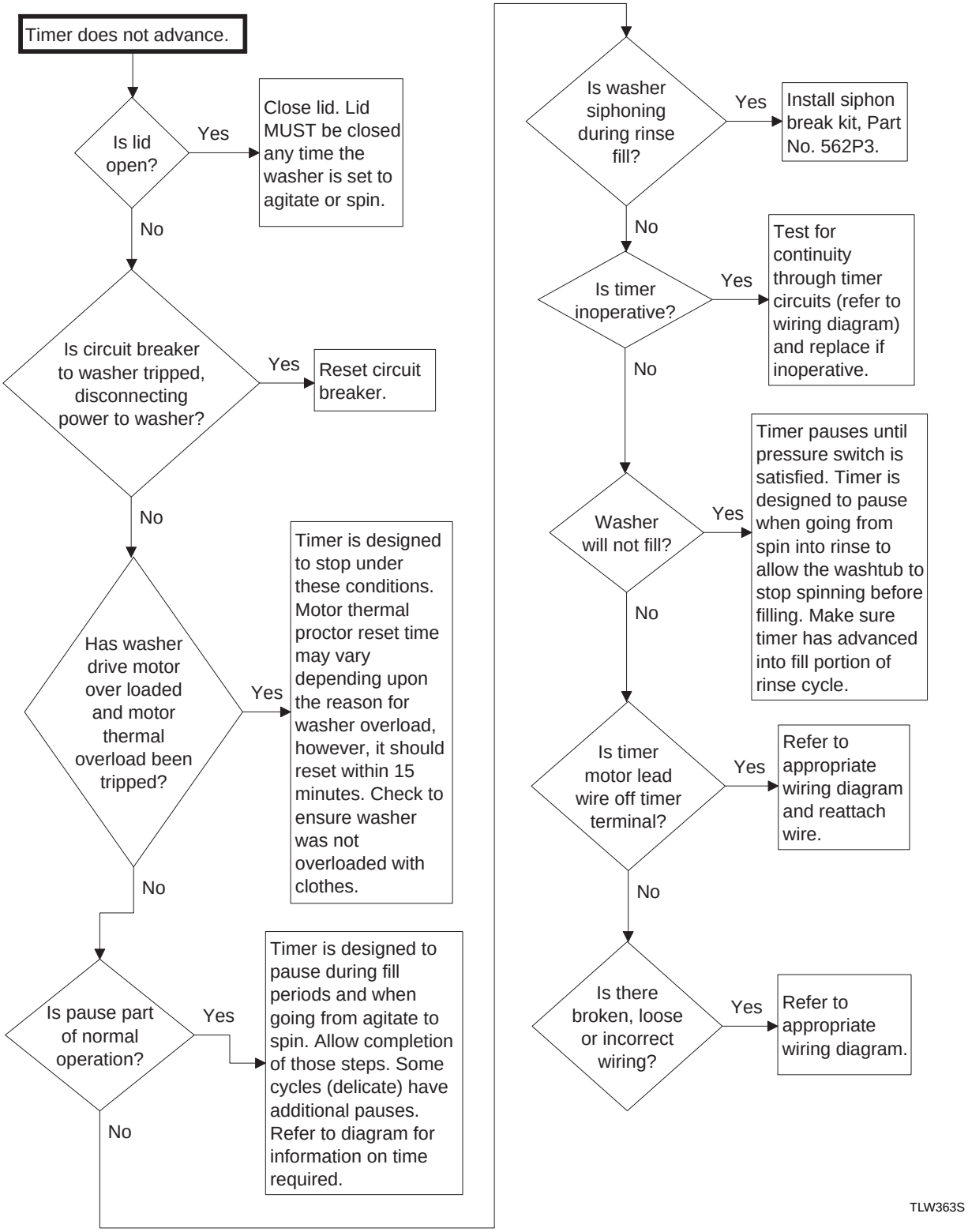


TLW362S

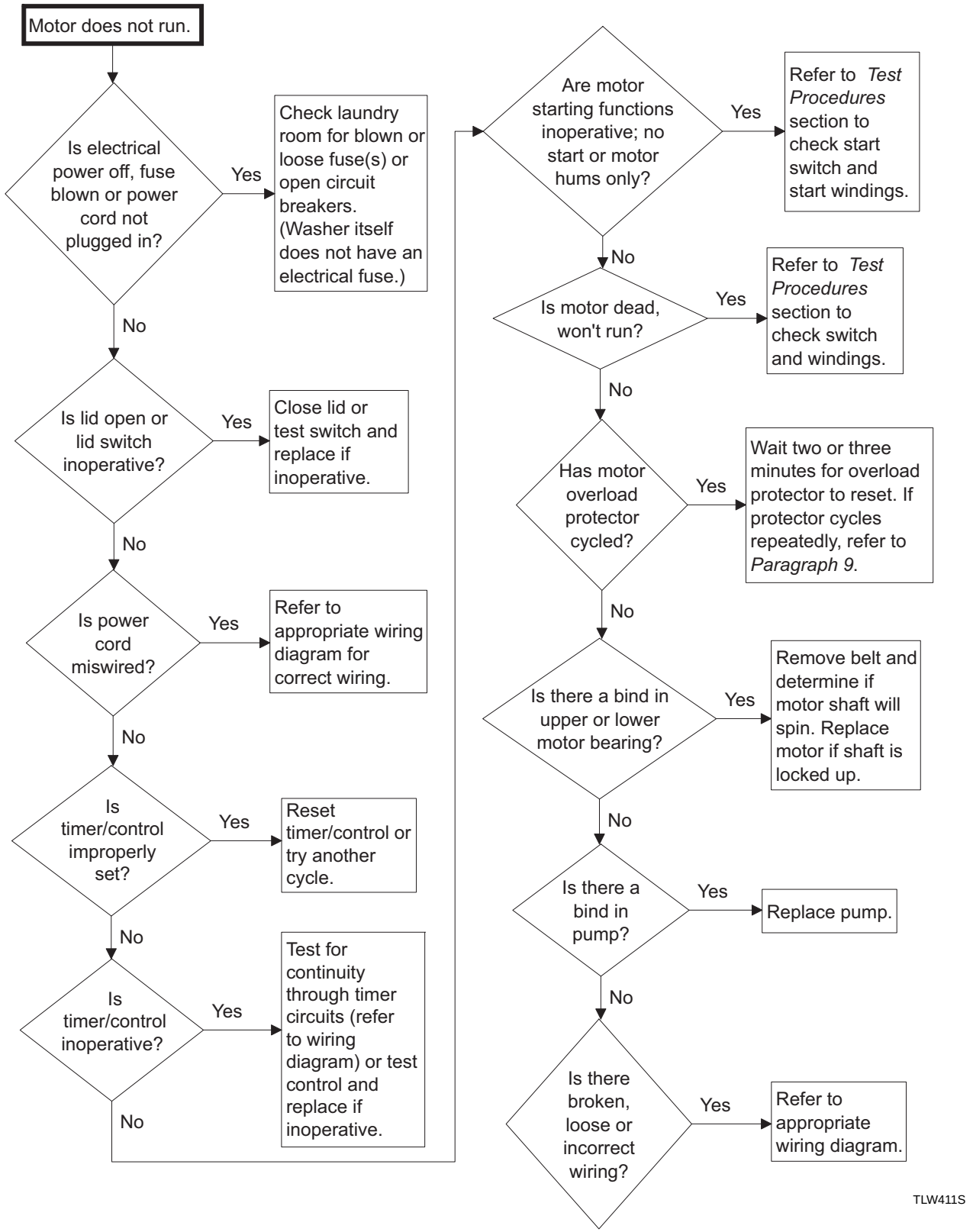
6. Water Fill Does Not Stop At Proper Level



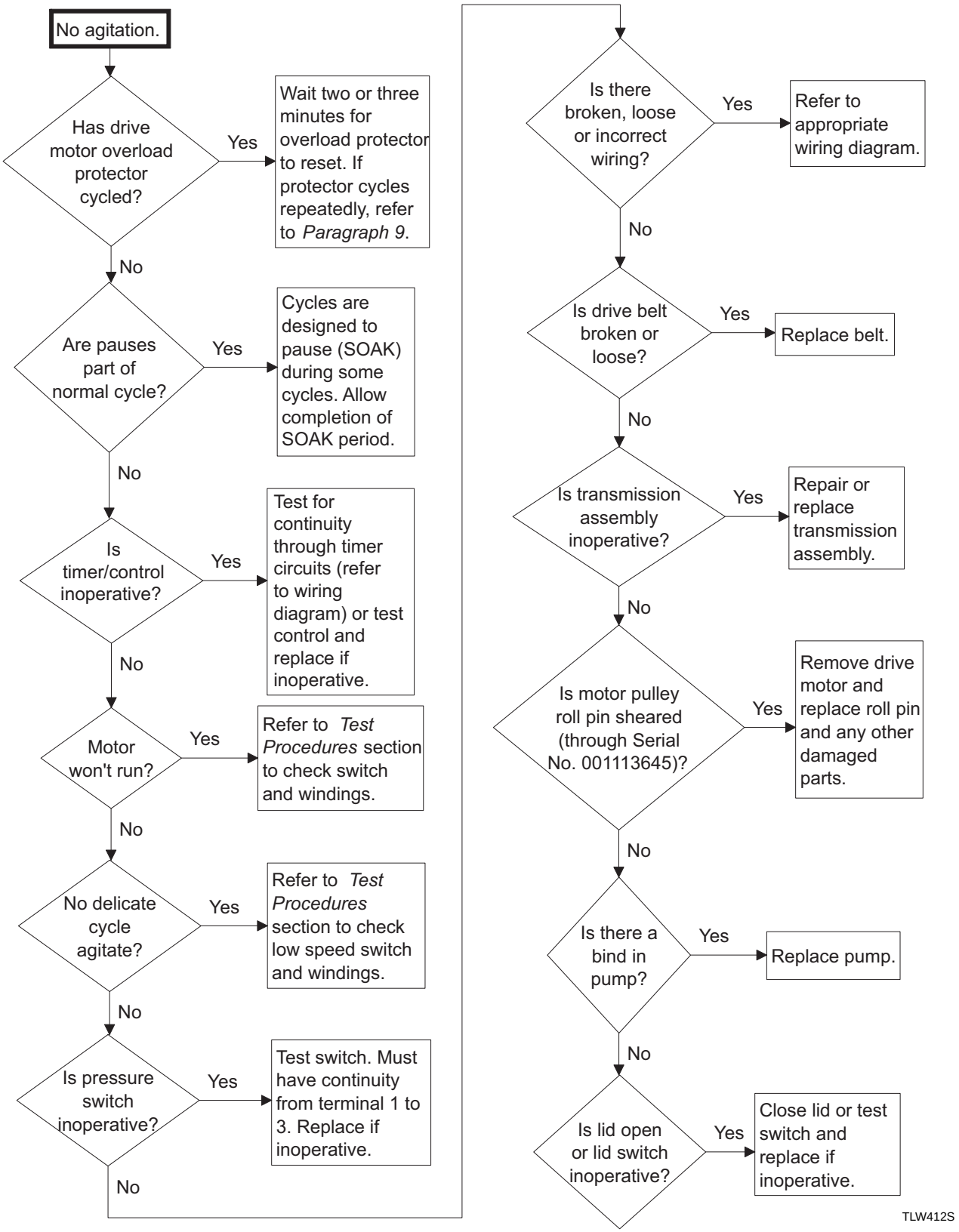
7. Timer Does Not Advance (Timer Models Only)



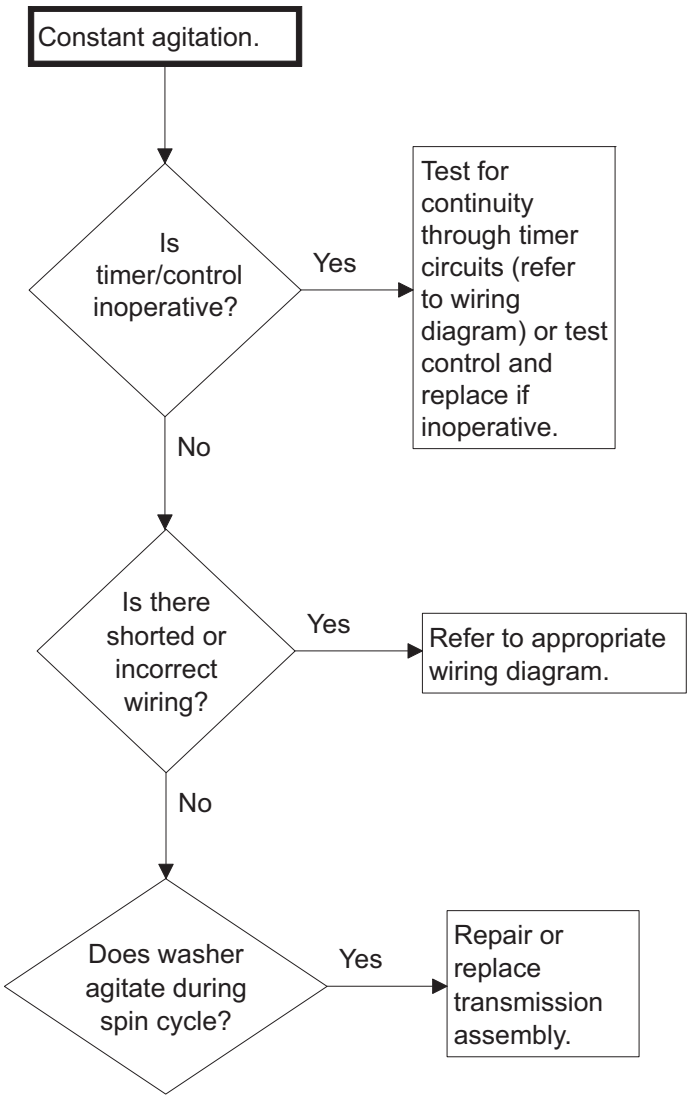
8. Motor Does Not Run



9. No Agitation

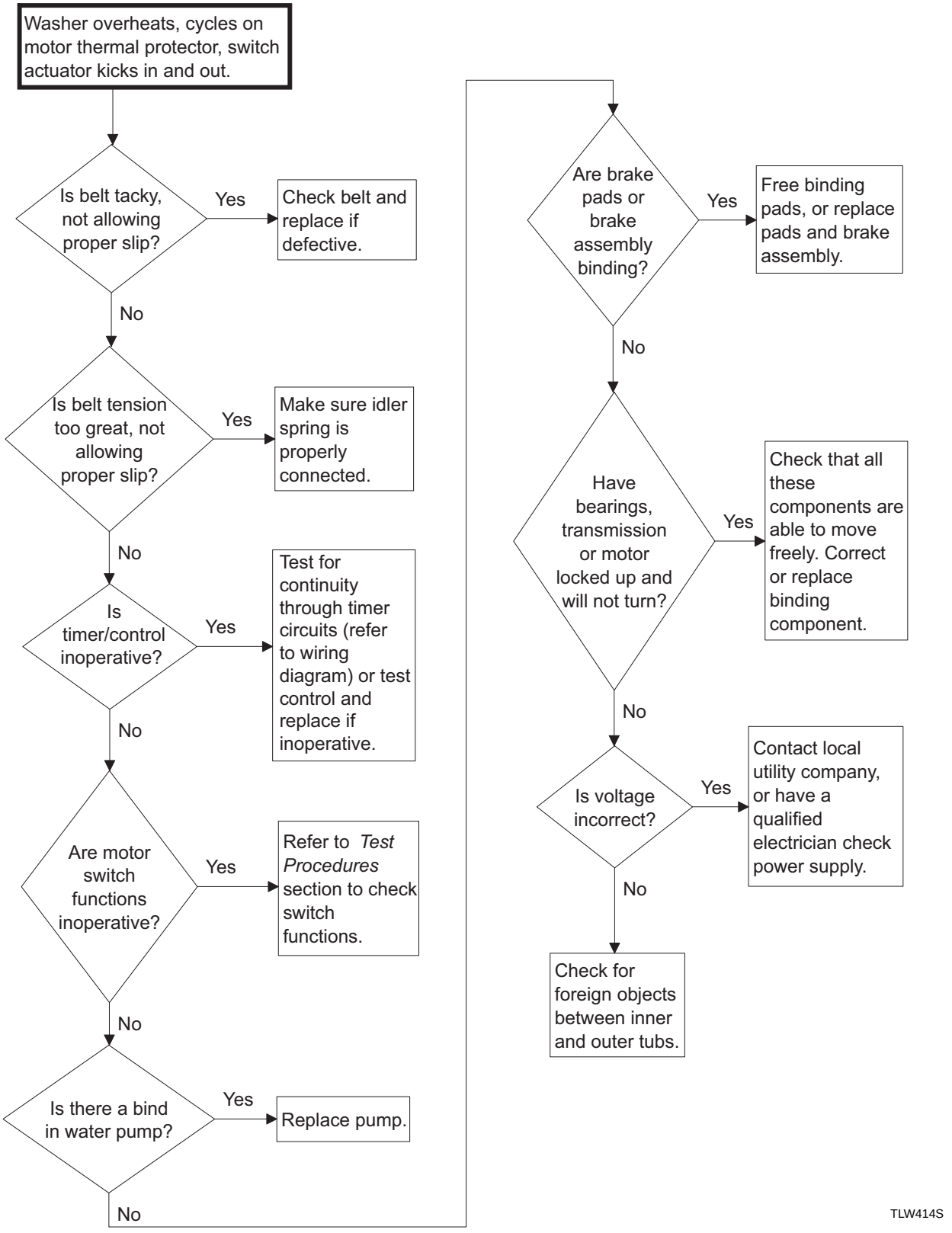


10. Constant Agitation

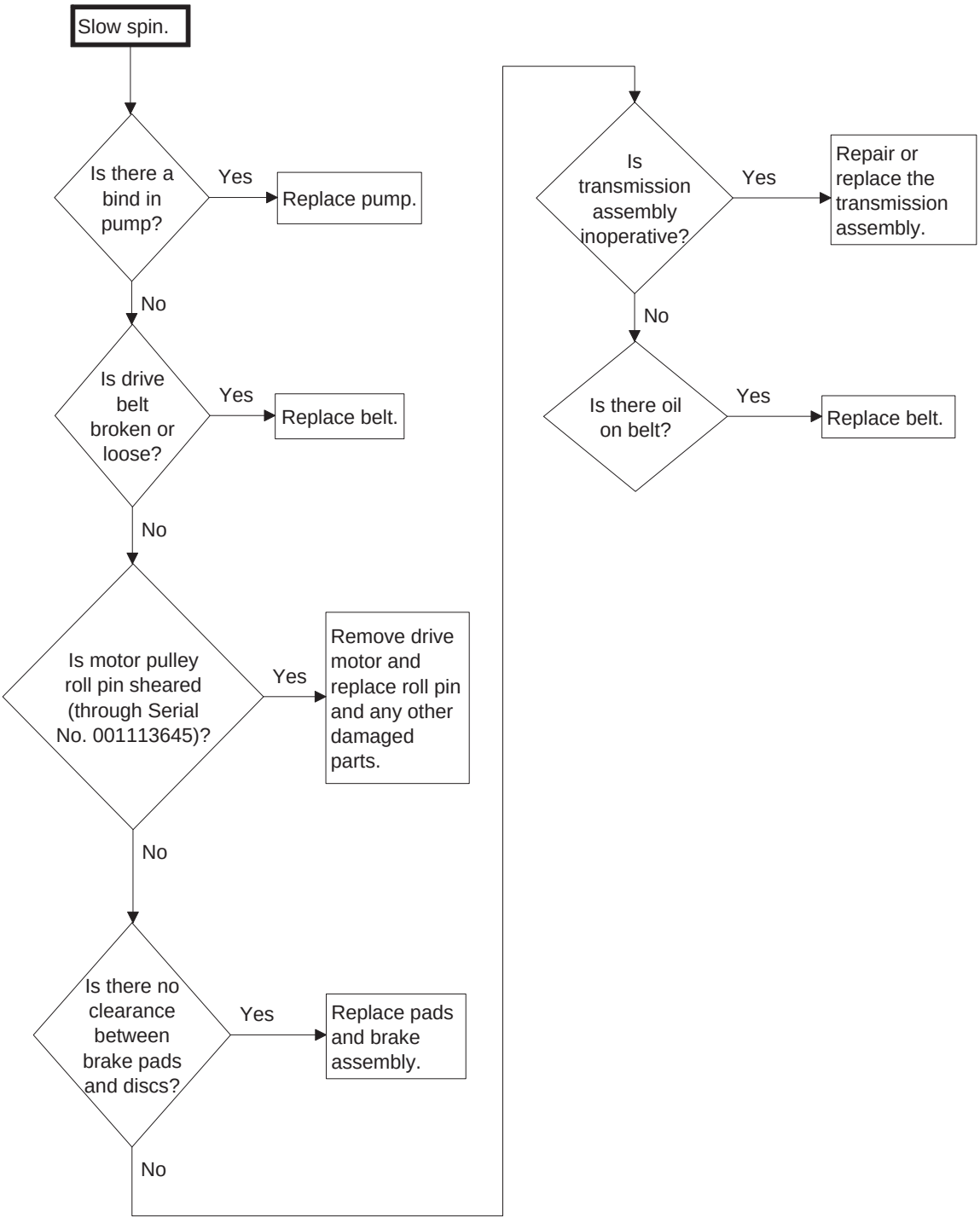


TLW413S

11. Washer Overheats, Cycles On Motor Thermal Protector, Switch Actuator Kicks In And Out

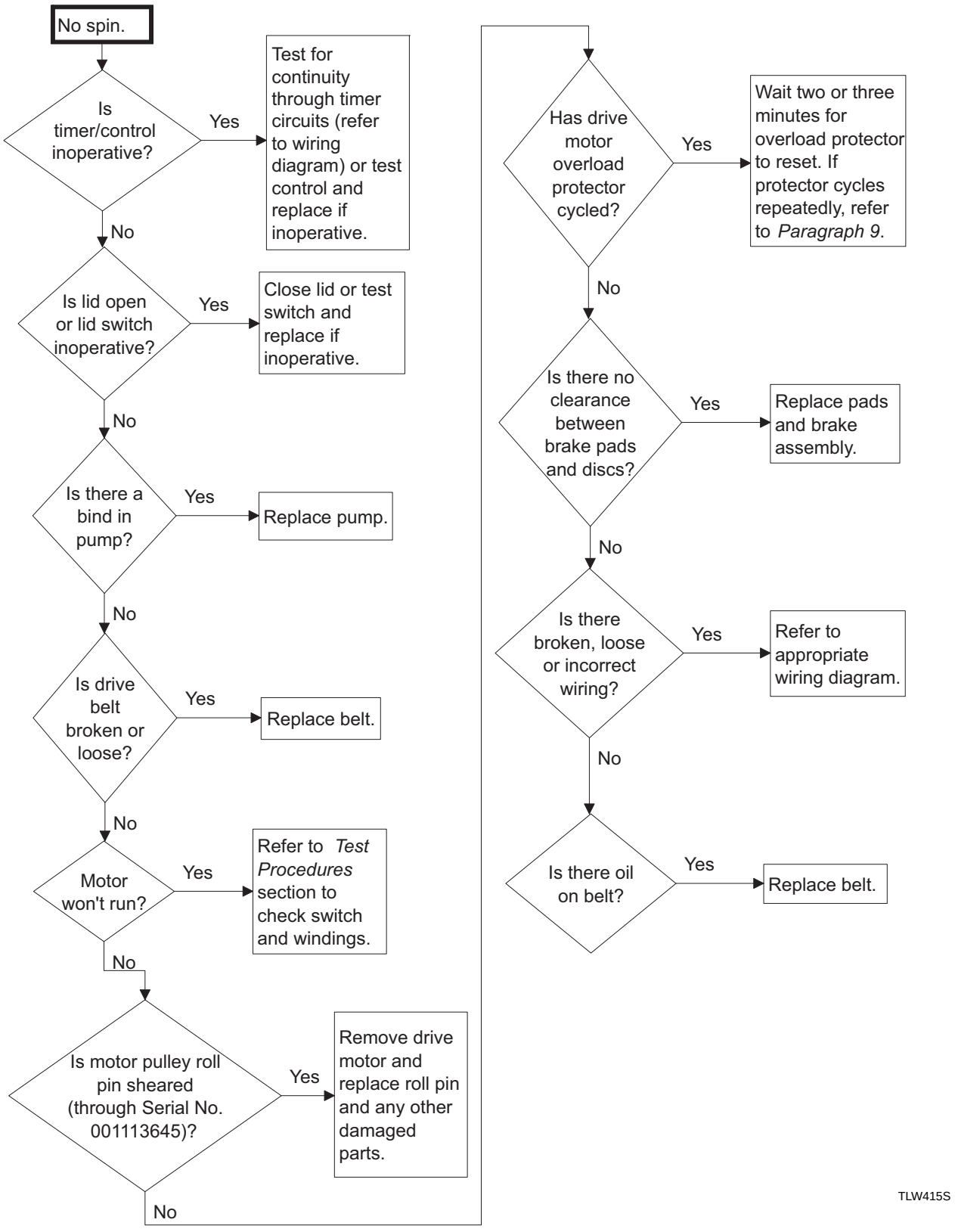


12. Slow Spin

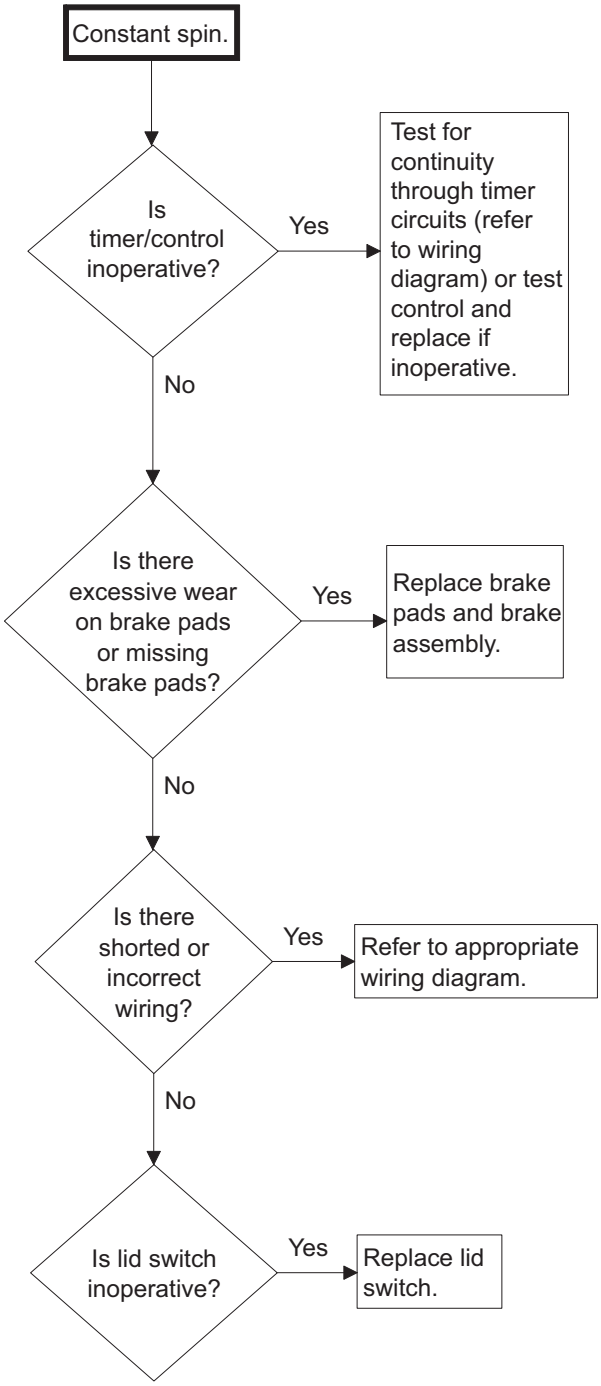


TLW359S

13. No Spin

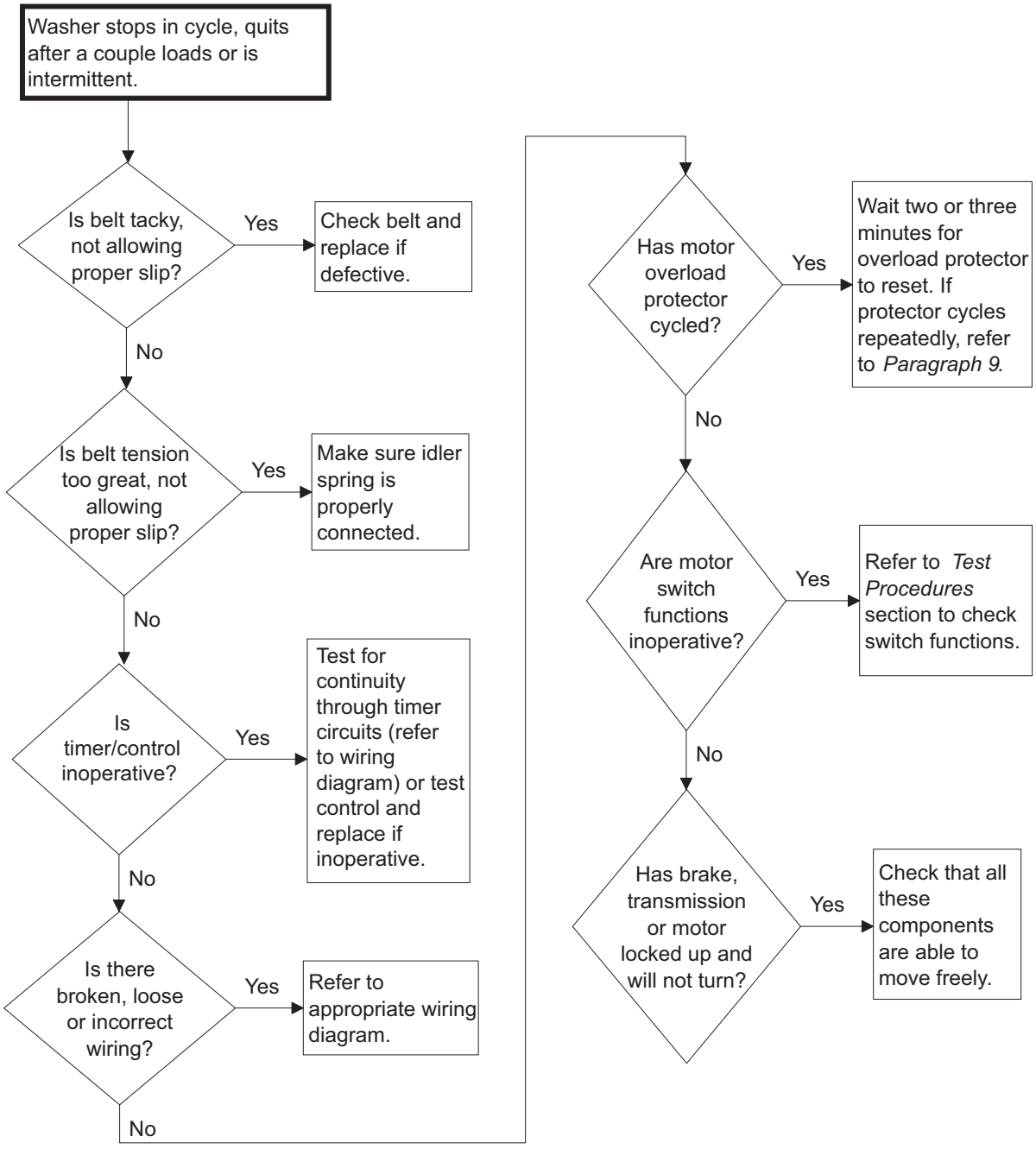


14. Constant Spin



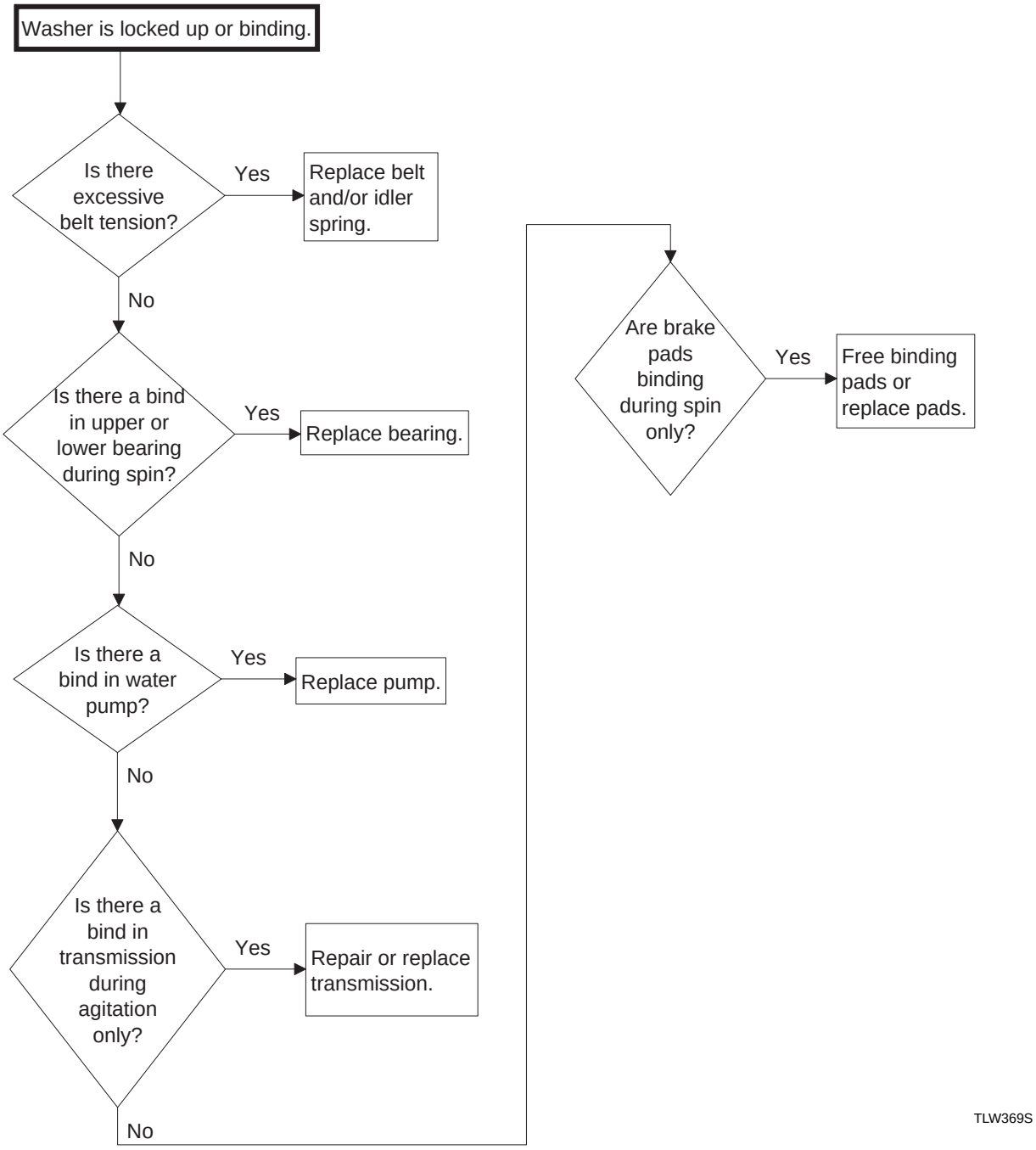
TLW416S

15. Washer Stops In Cycle; Quits After A Couple Loads; Is Intermittent

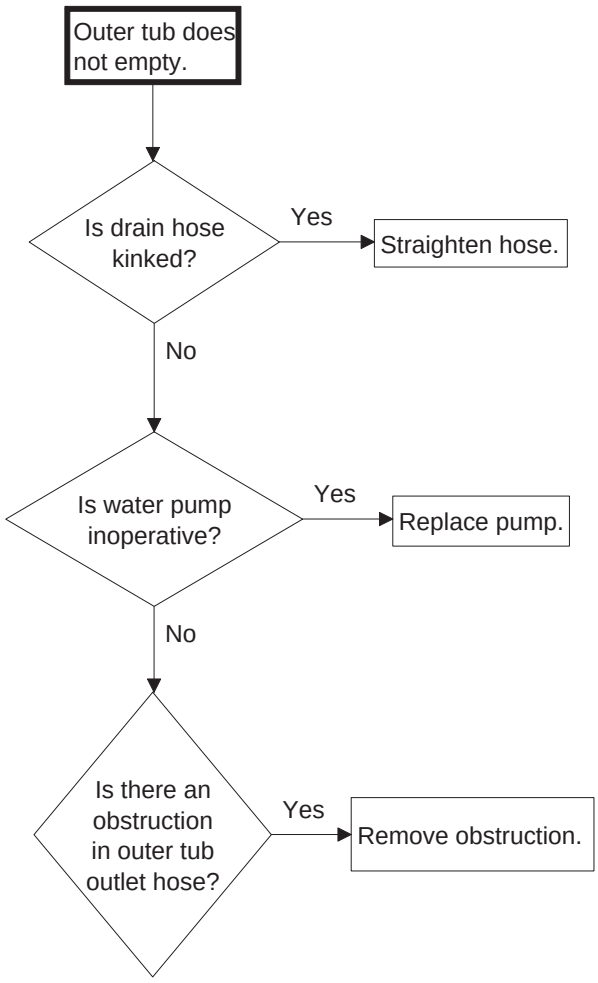


TLW417S

16. Washer Is Locked Up Or Binding

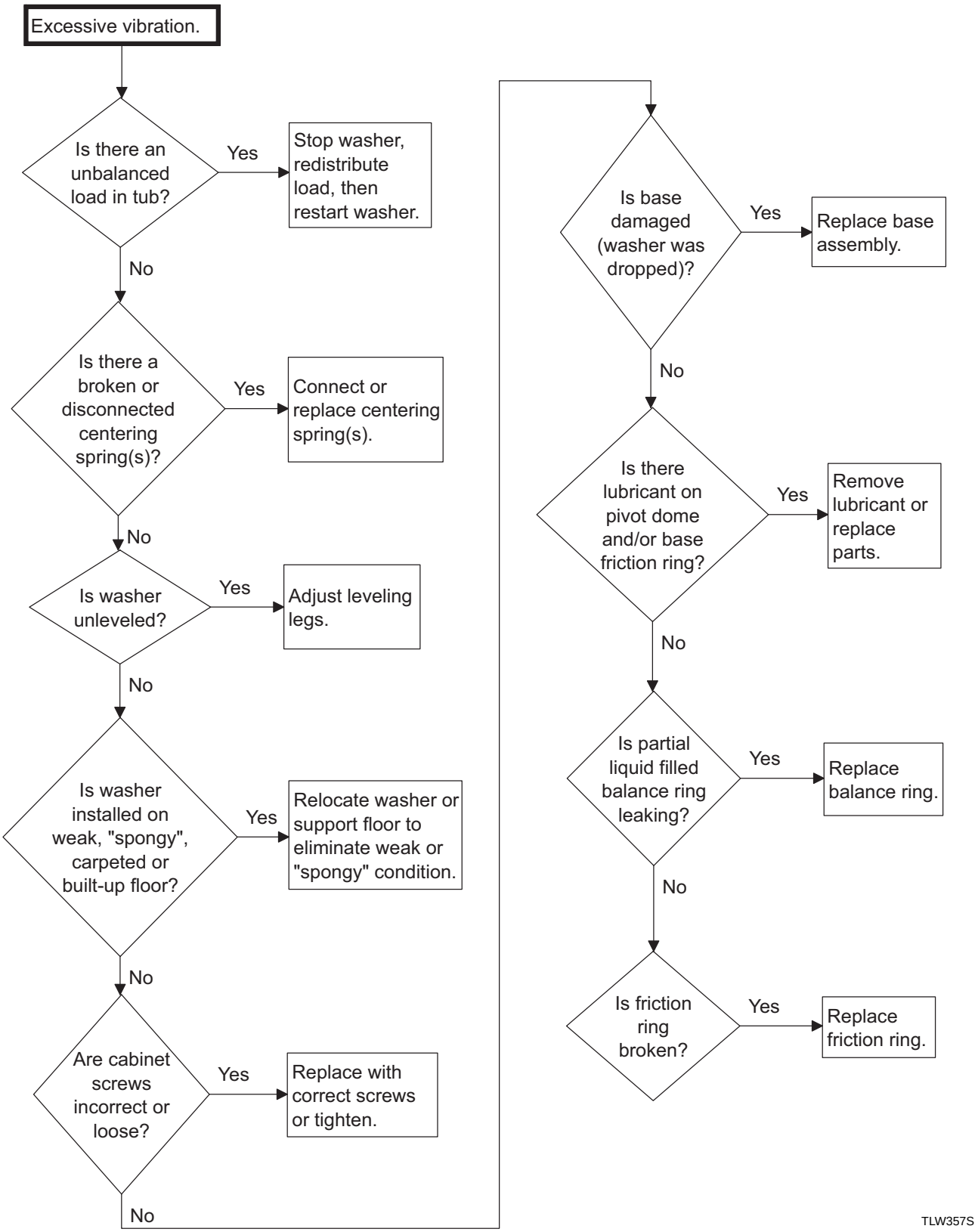


17. Outer Tub Does Not Empty

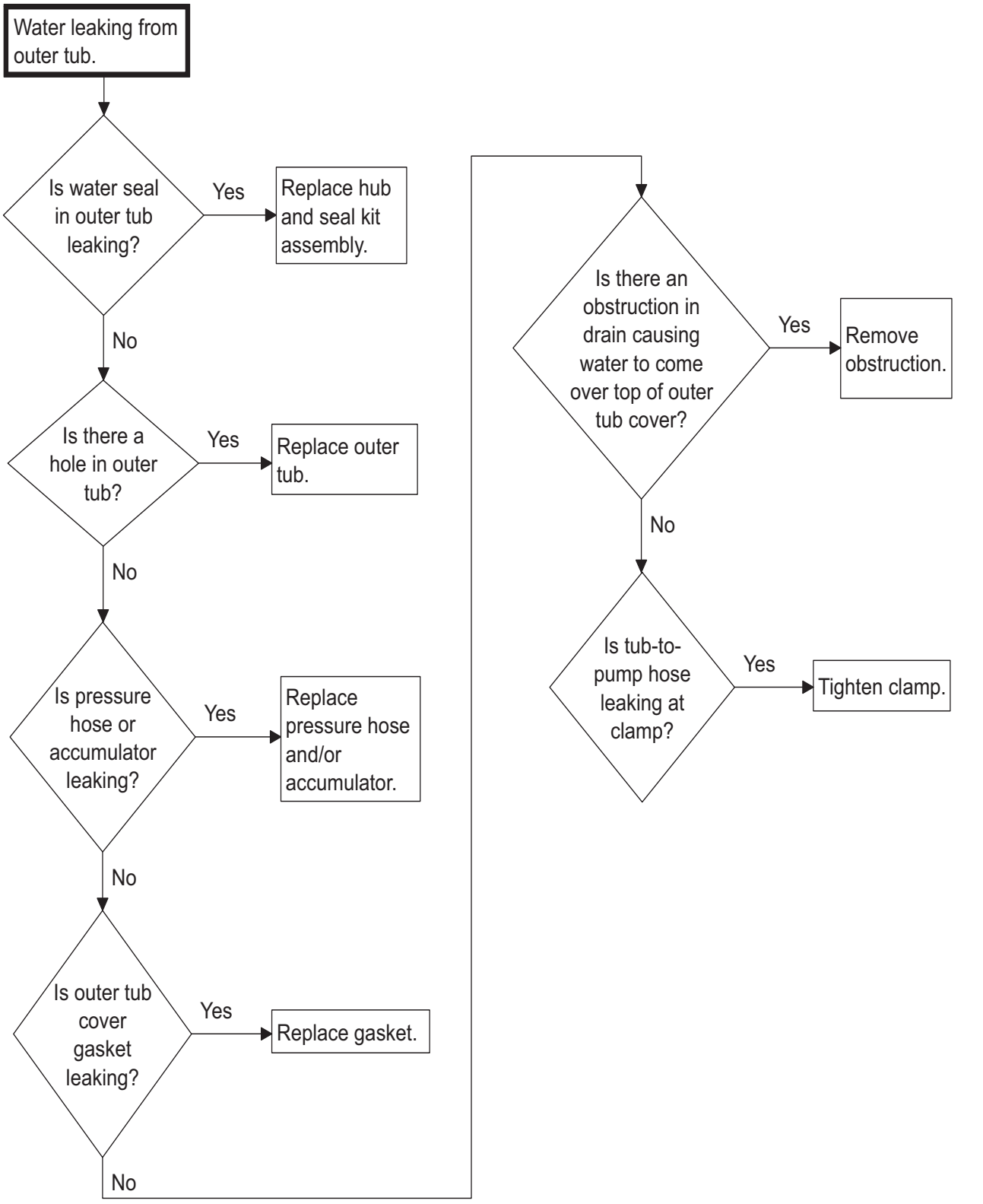


TLW370S

18. Excessive Vibration



19. Water Leaking From Outer Tub



TLW341S

Section 4
Control Troubleshooting
Model AWNA62SN301AW01

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the washer before servicing.**
- **Never start the washer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the washer is properly grounded.**

W003

20. Error Mode

In Error Mode, the *IN USE* LED flashes to display fill and drain errors (refer to paragraphs below). Error Mode can only be exited by powering down washer.

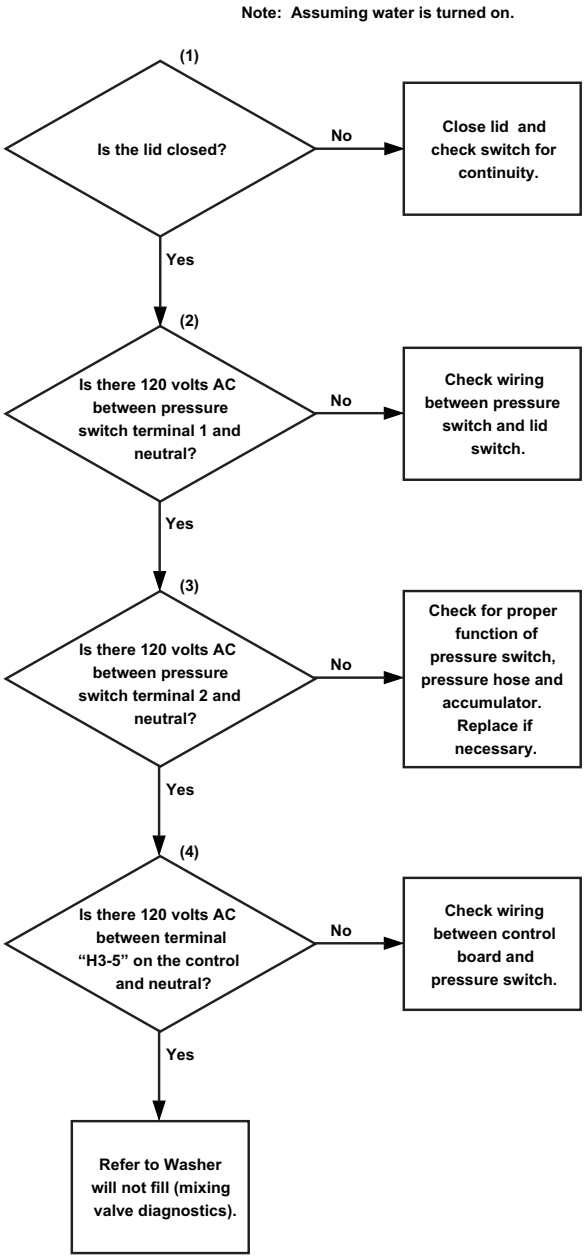
Fill Error

A Fill Error will occur if the tub does not fill within 62 minutes of the start of the cycle. A Fill Error is indicated by the control repeatedly flashing the *IN USE* LED twice separated by a one and a half second pause until the control is powered down. If Error Mode is turned off, the fill error will not occur and the control will continue to wait for the fill level to be reached.

Drain Error

A Drain Error will occur if the tub is not empty after a spin cycle. A Drain Error is indicated by the control repeatedly flashing the *IN USE* LED three times separated by a one and a half second pause until the control is powered down. If Error Mode is turned off, the drain error will not occur and the machine cycle will advance to the next cycle step as though the water had been pumped out.

21. Washer Will Not Fill (Pressure Switch Diagnostic)



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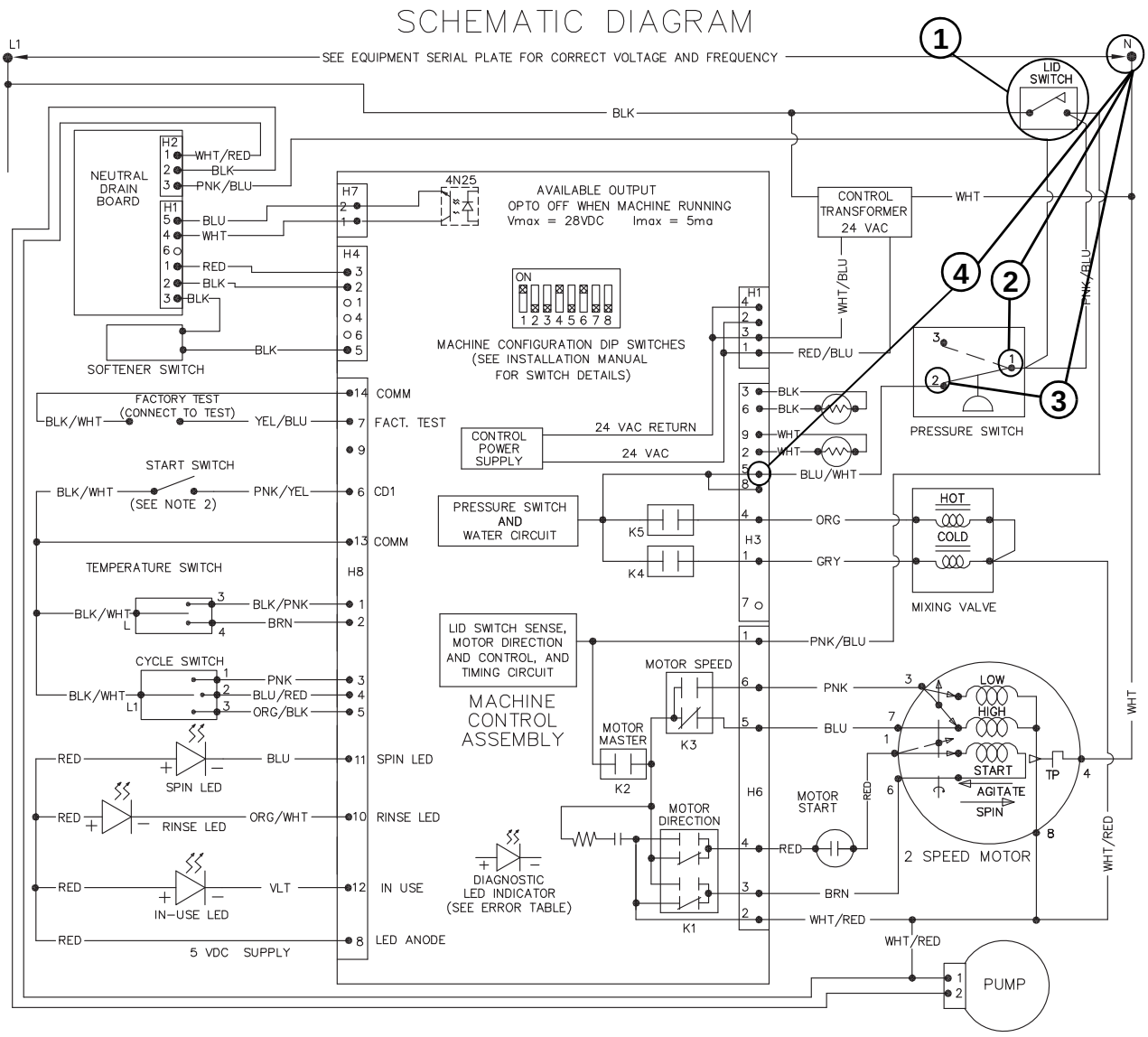
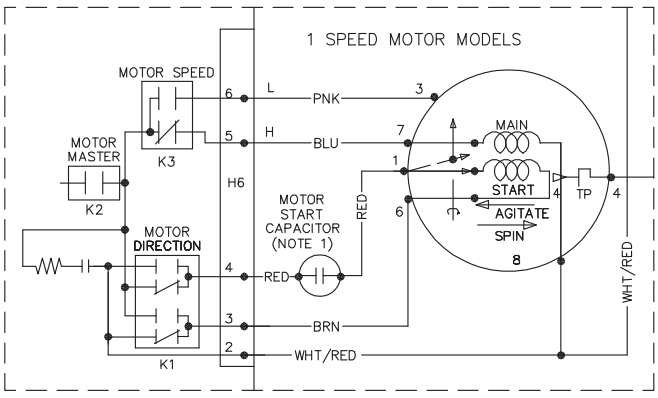
Washer Will Not Fill (Pressure Switch Diagnostic)



3 POSITION WASH TEMPERATURE SWITCH	
WHITES/HOT	L-3
COLORS/WARM	L-3-4
DELICATES/COLD	L-4

6 POSITION FABRIC/CYCLE SWITCH	
OFF	L1-1-3
NORMAL	L1-1
PERM. PRESS	L1-1-2
DELICATE	L1-3
RINSE AND SPIN	L1-2
SPIN ONLY	L1-2-3

ERROR CODE TABLE
DIAGNOSTIC LED ERROR INDICATOR ON CONTROL AND "IN USE" LIGHT WILL FLASH AN ERROR CODE IF MACHINE CONTROL SENSES A FAULT. LEDS WILL FLASH ERROR CODE FOLLOWED BY A 1.5 SECOND PAUSE.
ERROR CODE 2 (TWO FLASHES): FILL ERROR ERROR CODE 3 (THREE FLASHES): DRAIN ERROR (DISCONNECT POWER TO MACHINE TO CLEAR ERROR CODES) (SEE INSTALLATION MANUAL FOR ERROR DETAILS)



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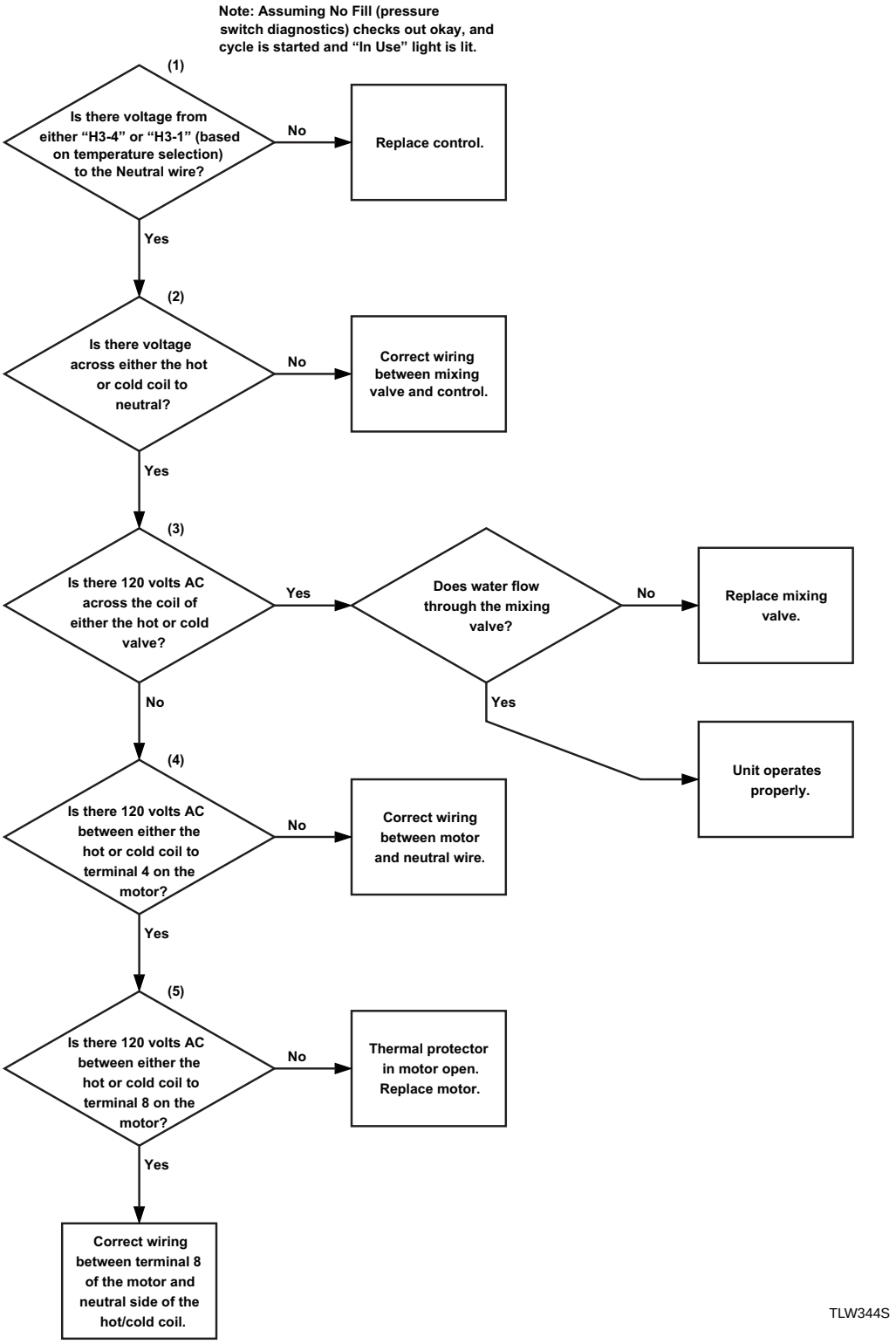
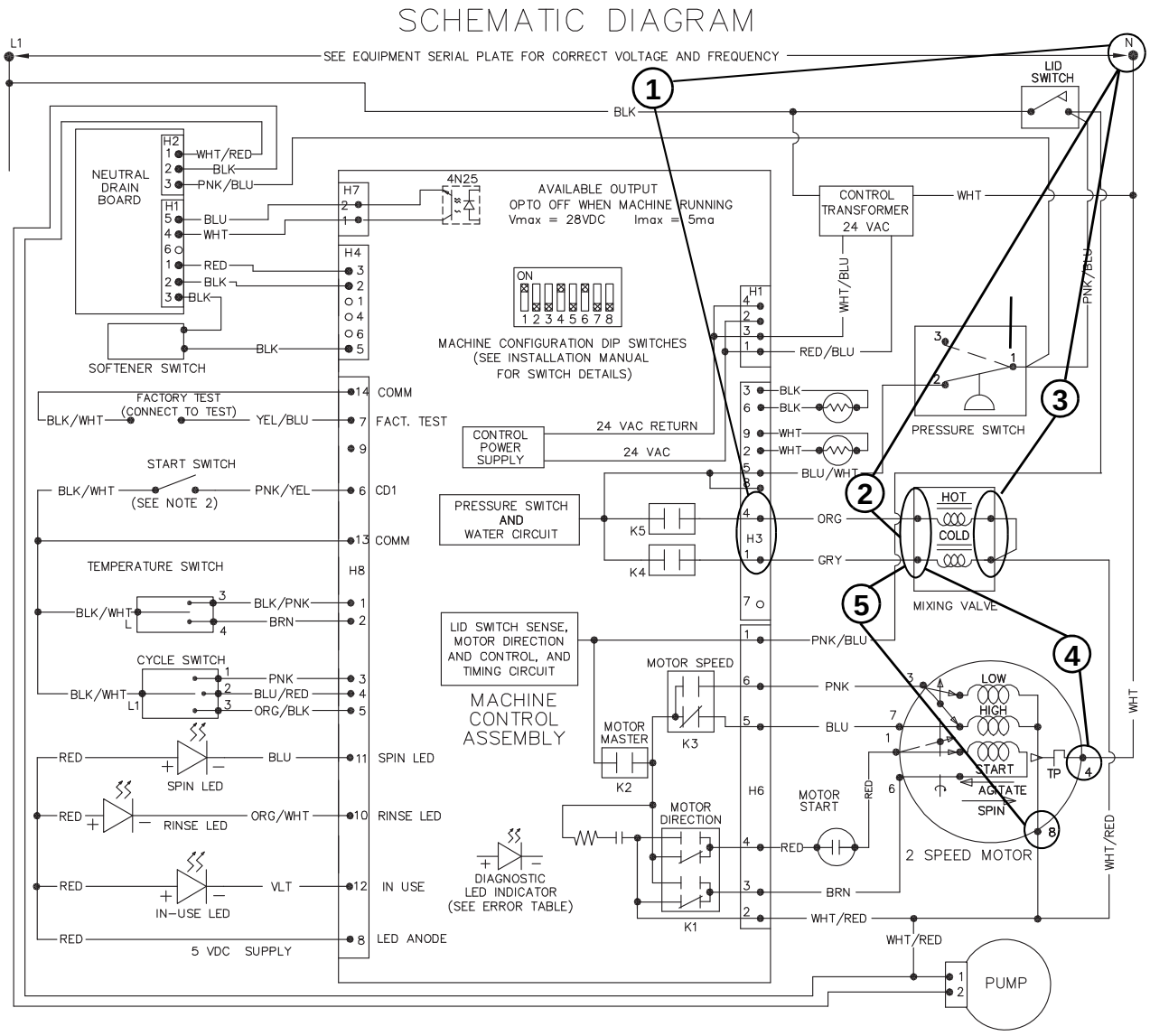
22. Washer Will Not Fill (Mixing Valve Diagnostic)



Washer Will Not Fill (Mixing Valve Diagnostic)



3 POSITION WASH TEMPERATURE SWITCH	
WHITES/HOT	L–3
COLORS/WARM	L–3–4
DELICATES/COLD	L–4

6 POSITION FABRIC/CYCLE SWITCH	
OFF	L1–1–3
NORMAL	L1–1
PERM. PRESS	L1–1–2
DELICATE	L1–3
RINSE AND SPIN	L1–2
SPIN ONLY	L1–2–3

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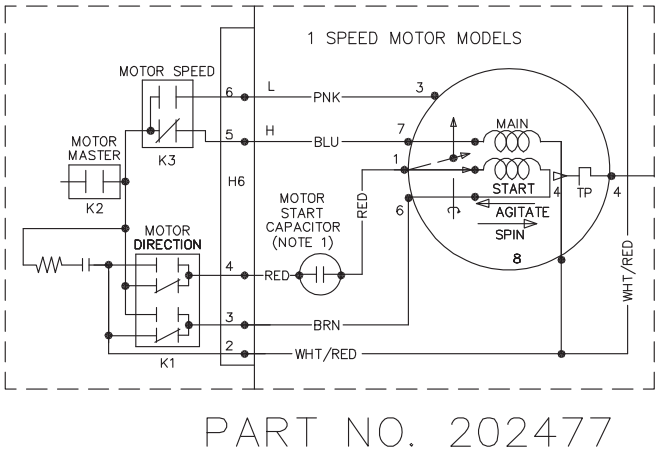

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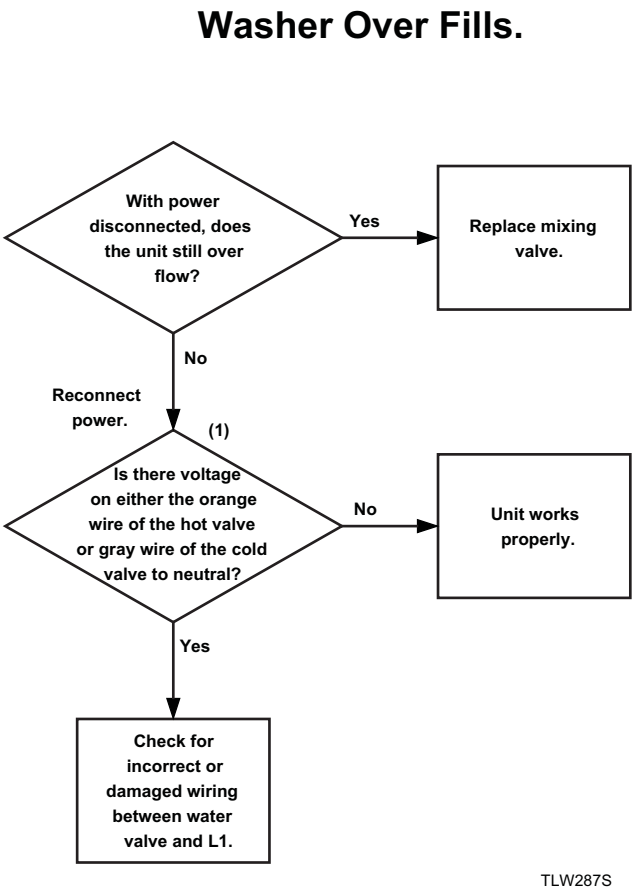
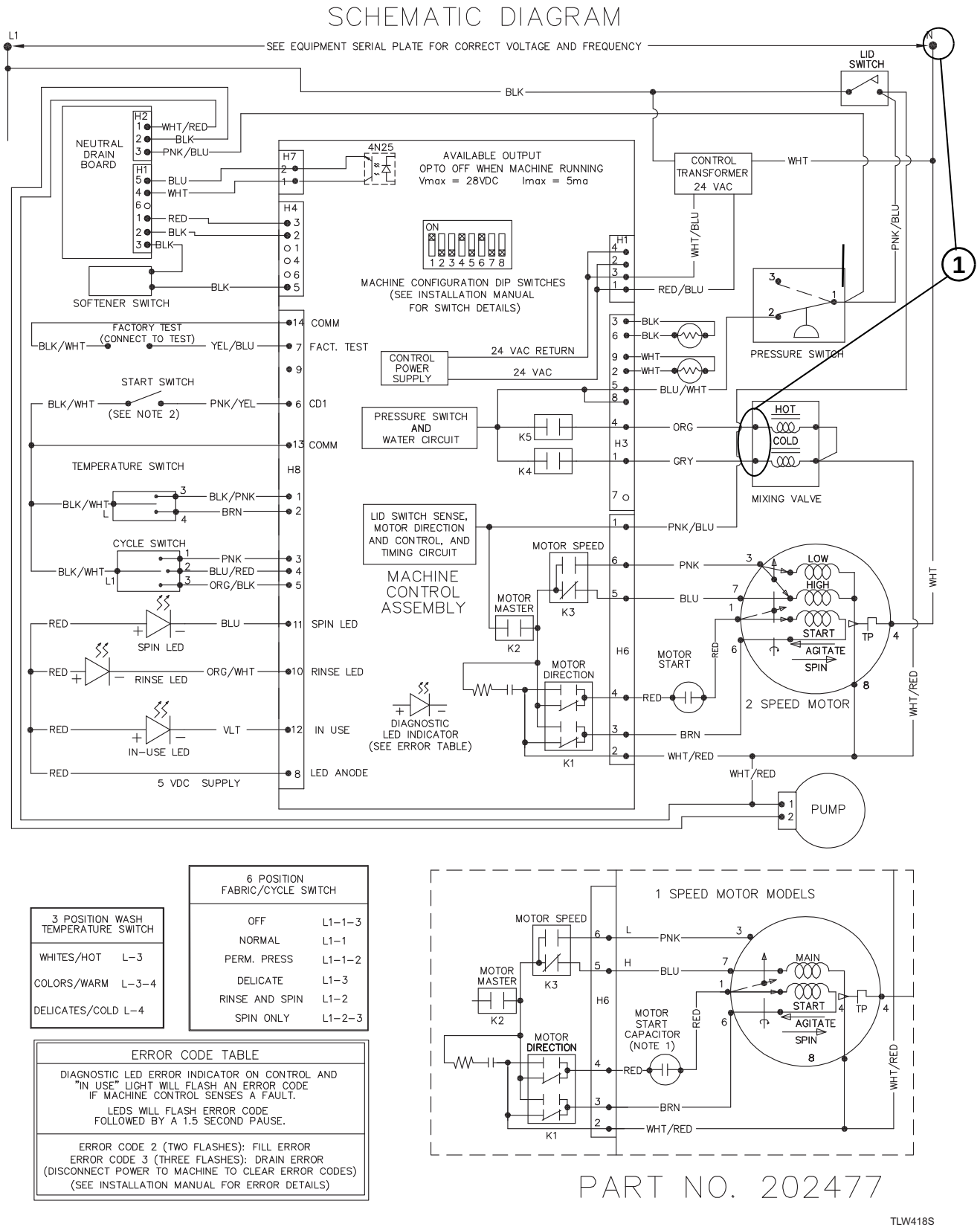
23. Washer Over Fills (Pressure Switch Open)



Washer Over Fills (Pressure Switch Open)



3 POSITION WASH TEMPERATURE SWITCH	
WHITES/HOT	L–3
COLORS/WARM	L–3–4
DELICATES/COLD	L–4

6 POSITION FABRIC/CYCLE SWITCH	
OFF	L1–1–3
NORMAL	L1–1
PERM. PRESS	L1–1–2
DELICATE	L1–3
RINSE AND SPIN	L1–2
SPIN ONLY	L1–2–3

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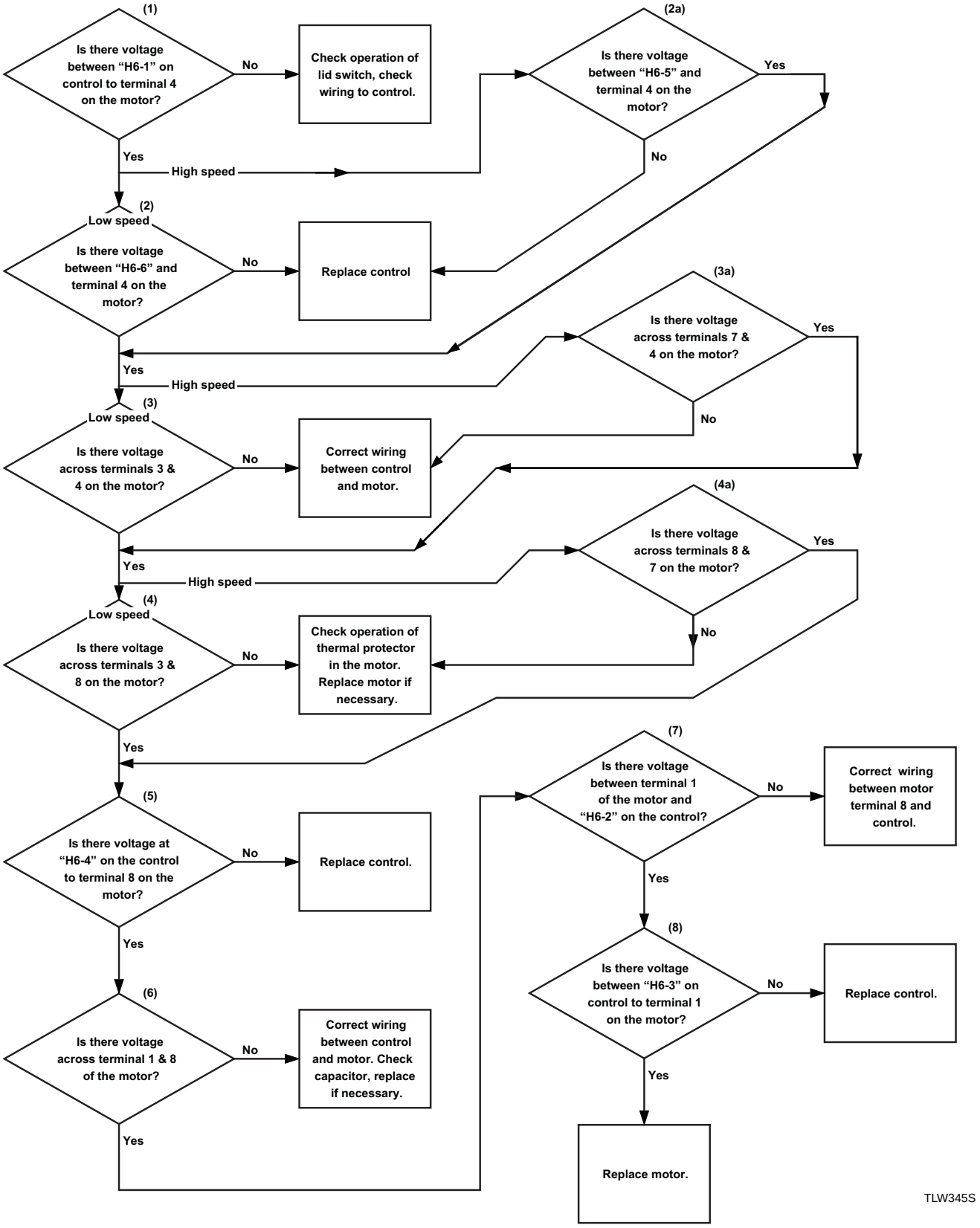
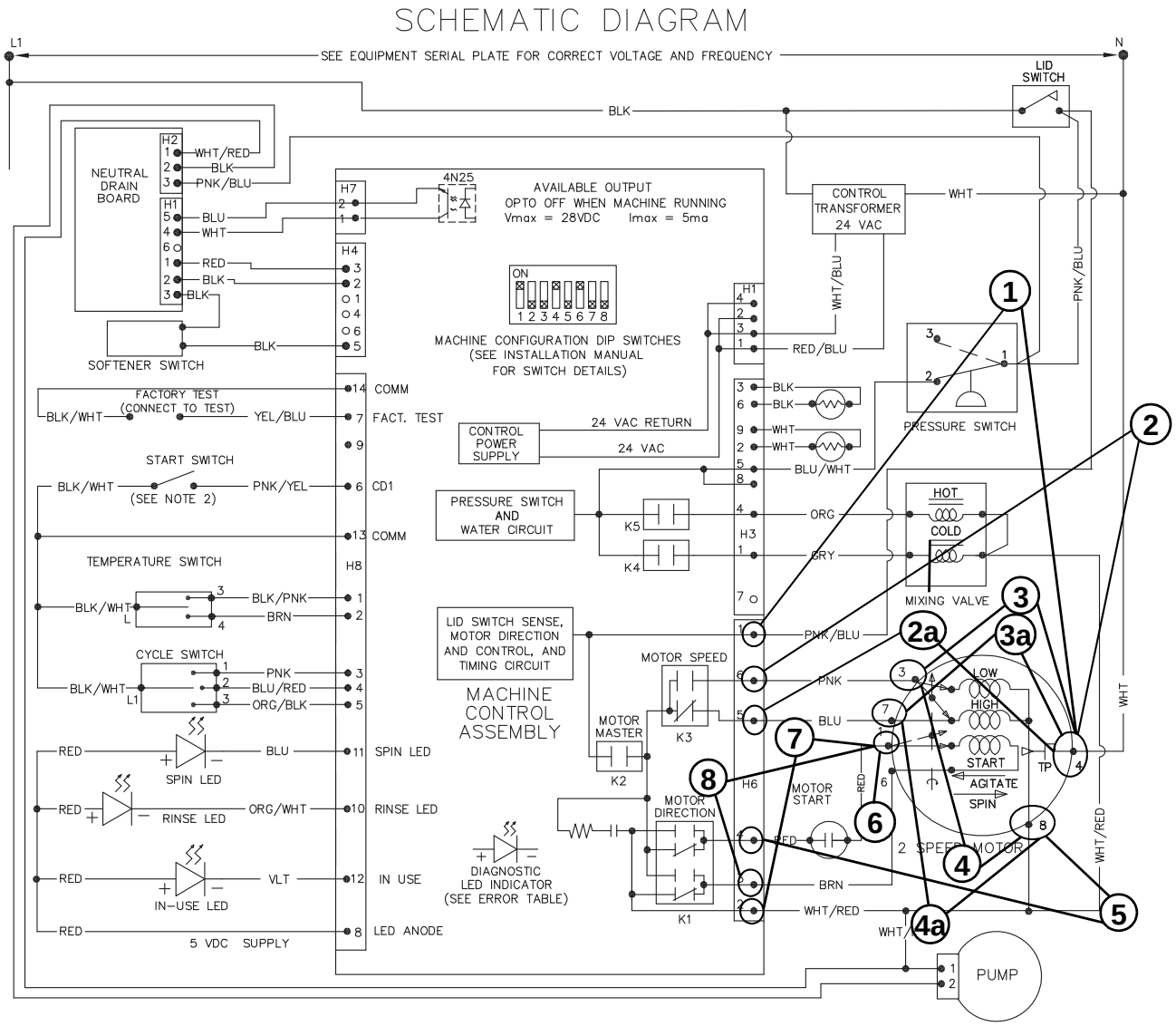
24. No Agitation – Low and High Speed



No Agitation – Low and High Speed



3 POSITION WASH TEMPERATURE SWITCH	
WHITES/HOT	L–3
COLORS/WARM	L–3–4
DELICATES/COLD	L–4

6 POSITION FABRIC/CYCLE SWITCH	
OFF	L1–1–3
NORMAL	L1–1
PERM. PRESS	L1–1–2
DELICATE	L1–3
RINSE AND SPIN	L1–2
SPIN ONLY	L1–2–3

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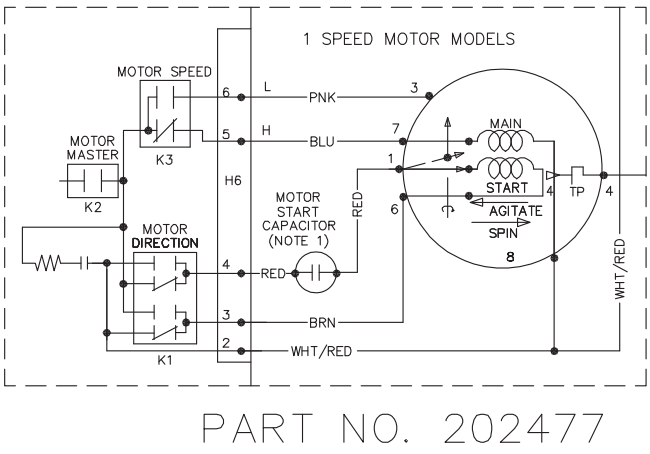
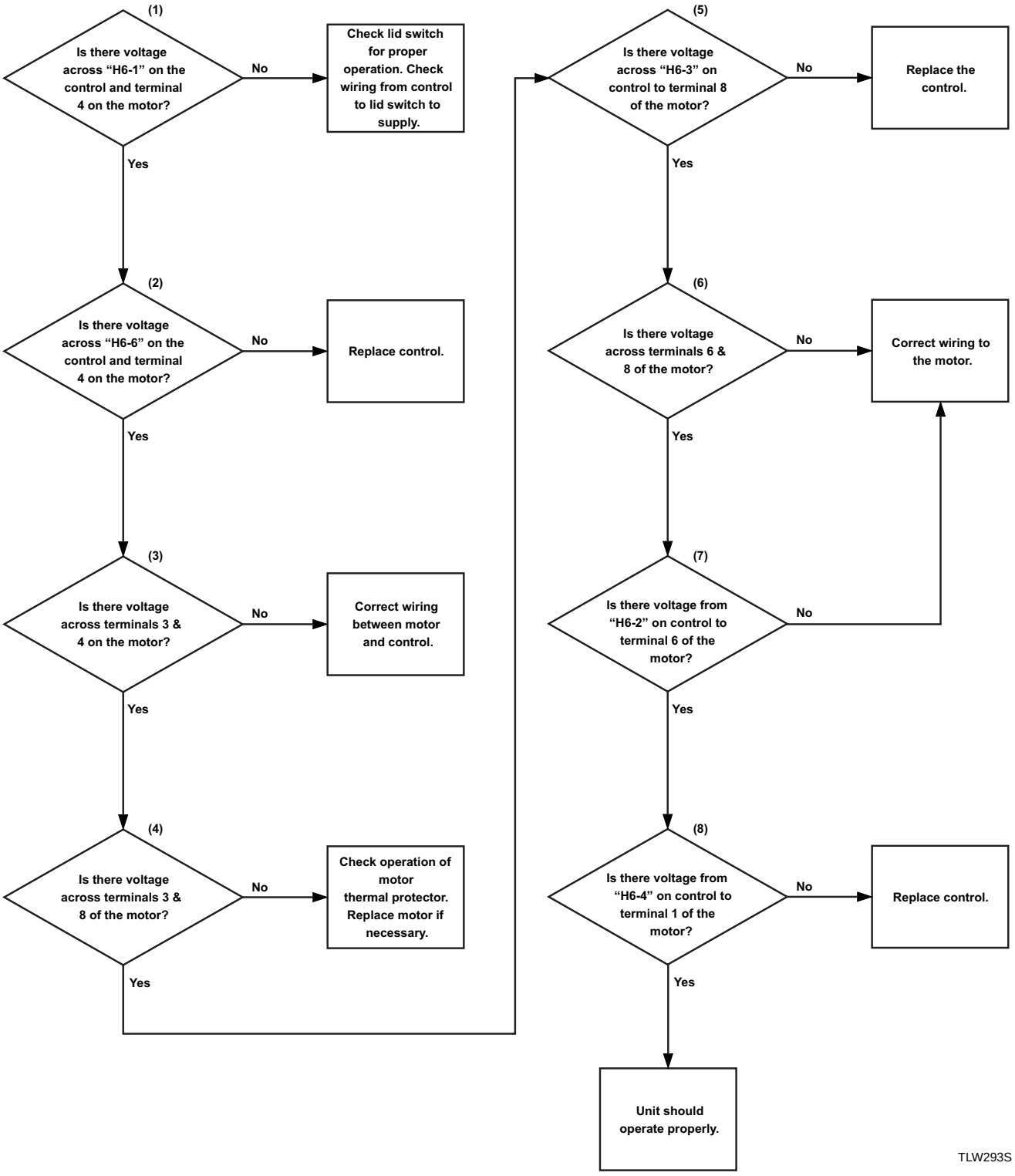
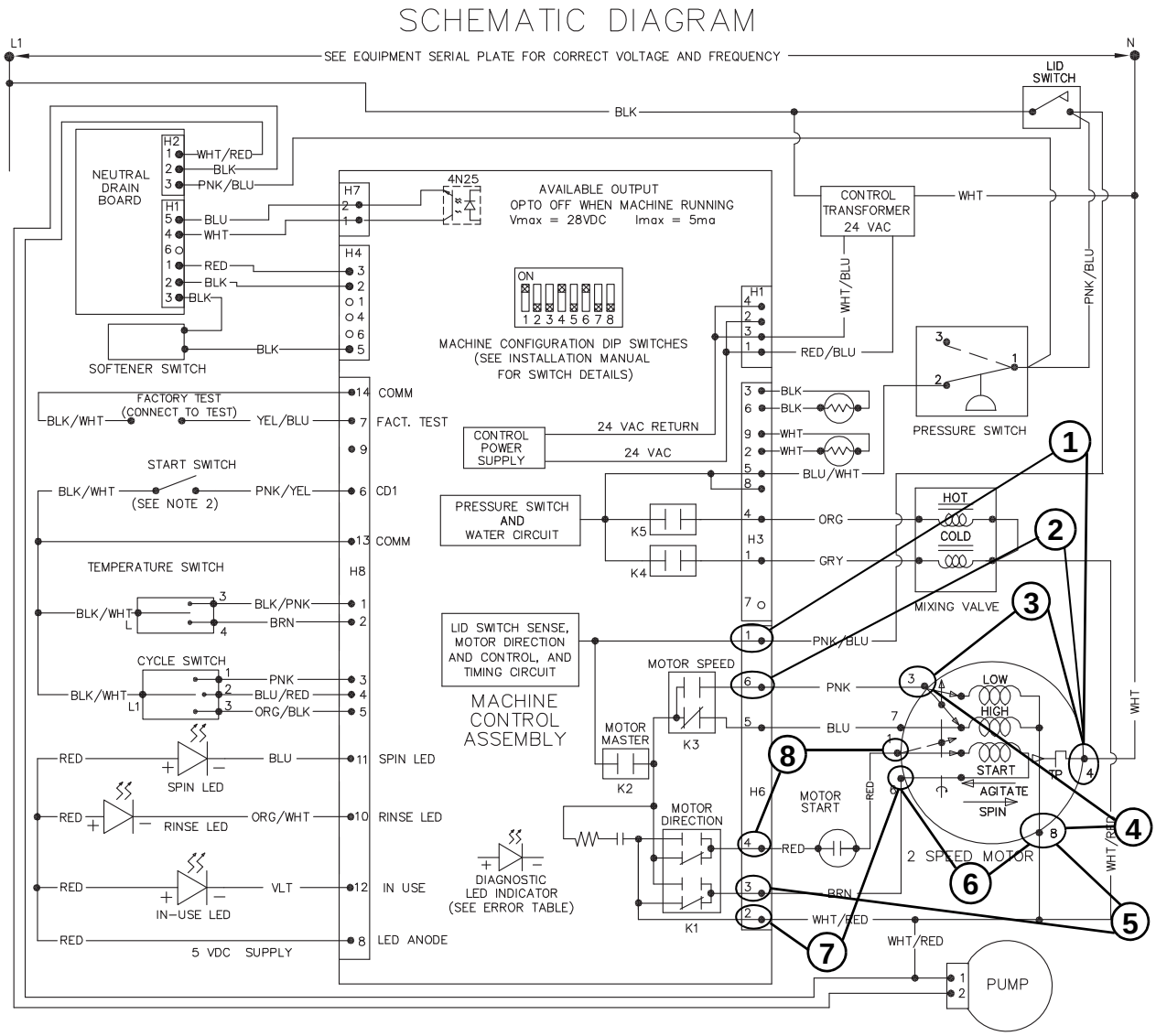


TLW418S

25. Washer Will Not Spin – Low Speed



Washer Will Not Spin – Low Speed



3 POSITION WASH TEMPERATURE SWITCH	
WHITES/HOT	L–3
COLORS/WARM	L–3–4
DELICATES/COLD	L–4

6 POSITION FABRIC/CYCLE SWITCH	
OFF	L1–1–3
NORMAL	L1–1
PERM. PRESS	L1–1–2
DELICATE	L1–3
RINSE AND SPIN	L1–2
SPIN ONLY	L1–2–3

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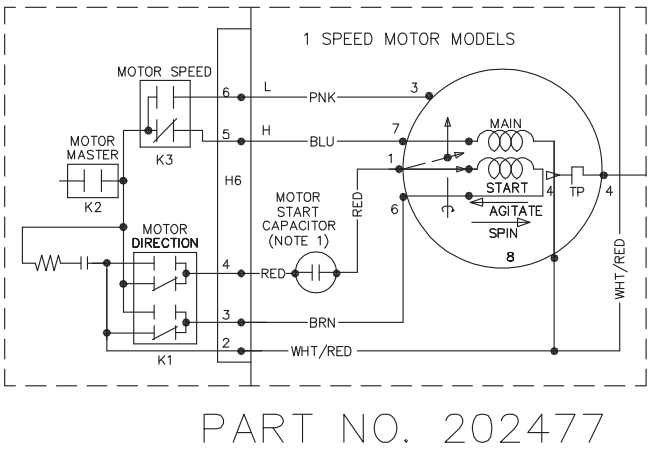
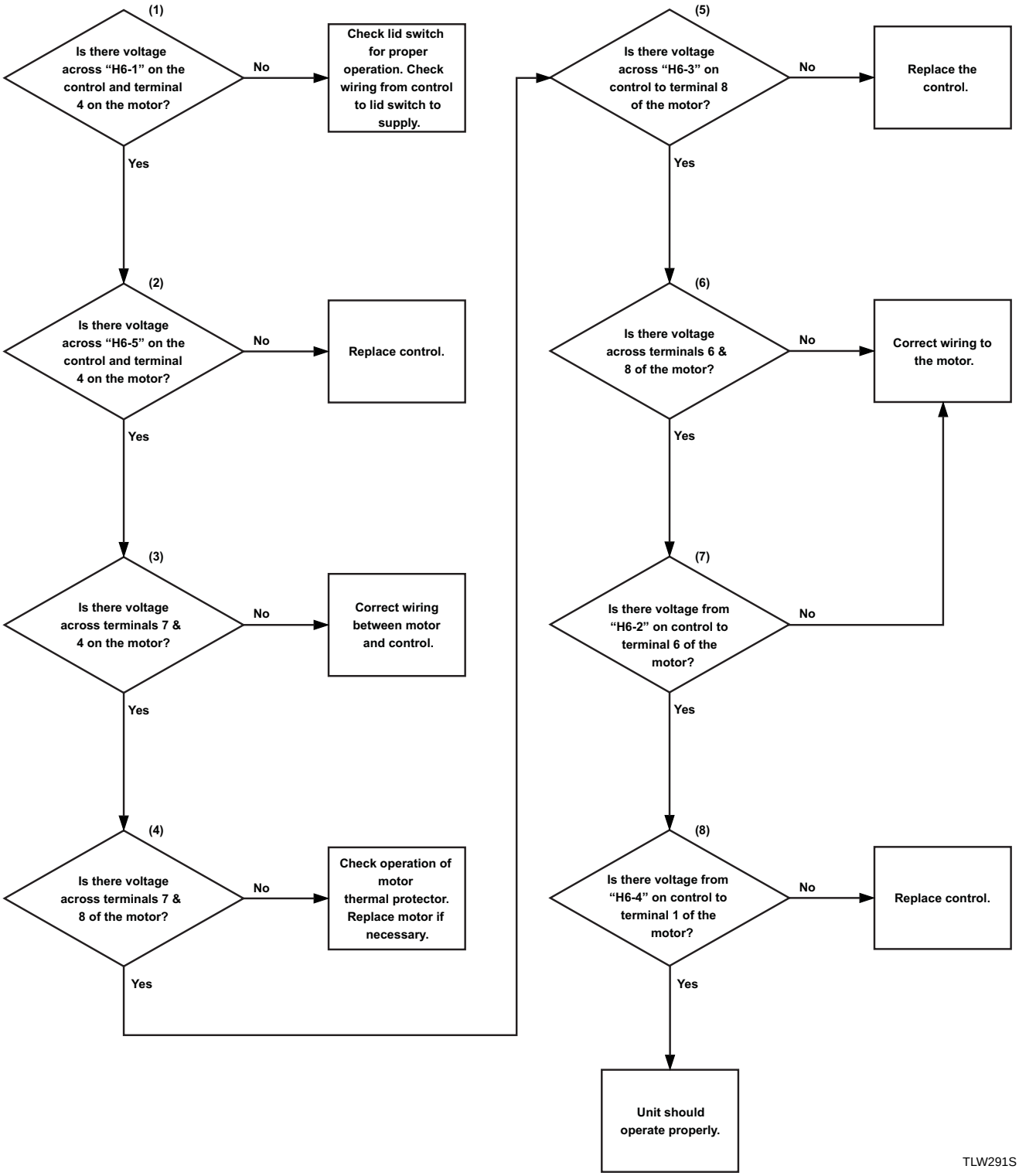
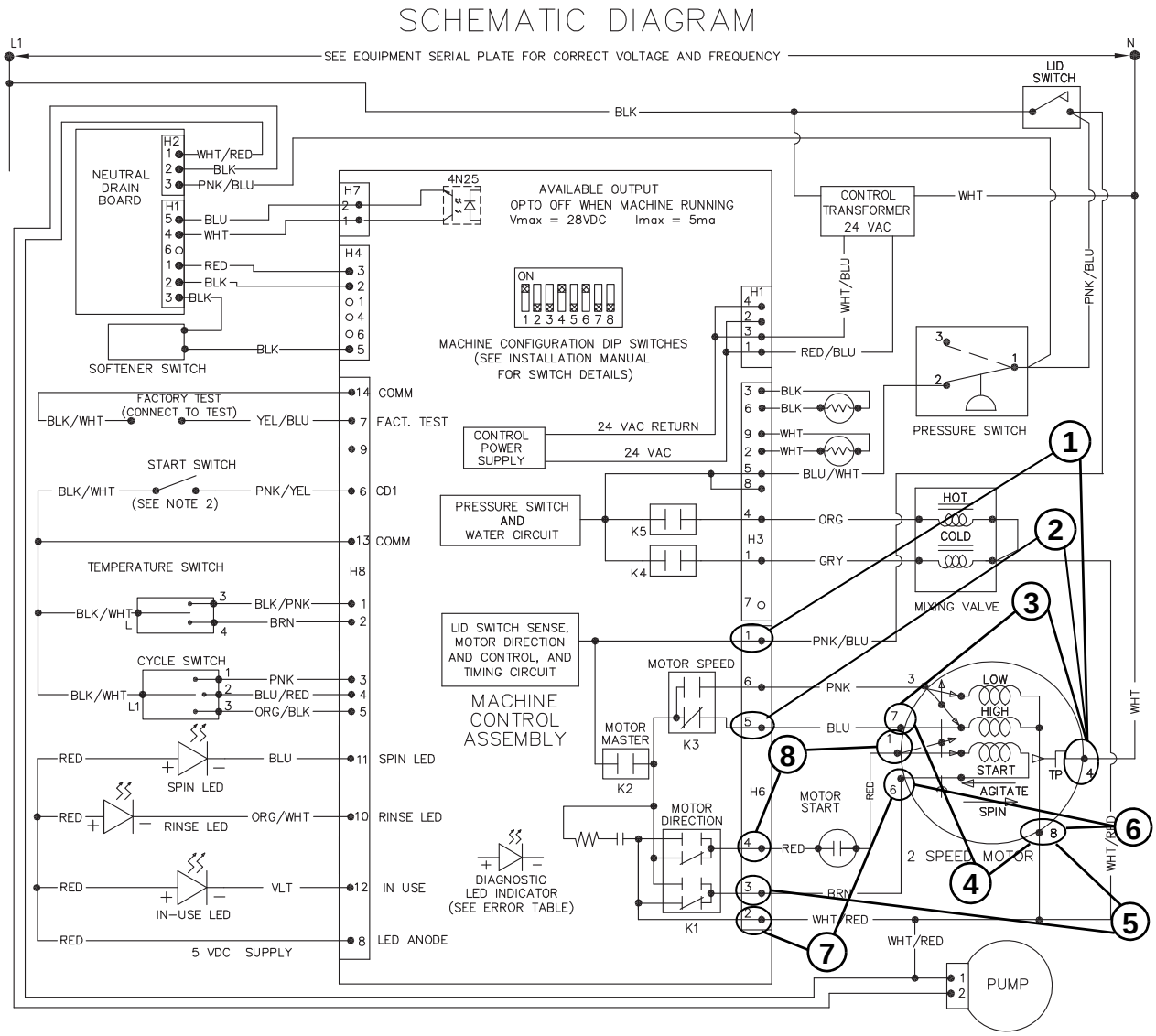


TLW418S

26. Washer Will Not Spin – High Speed



Washer Will Not Spin – High Speed



3 POSITION WASH TEMPERATURE SWITCH	
WHITES/HOT	L–3
COLORS/WARM	L–3–4
DELICATES/COLD	L–4

6 POSITION FABRIC/CYCLE SWITCH	
OFF	L1–1–3
NORMAL	L1–1
PERM. PRESS	L1–1–2
DELICATE	L1–3
RINSE AND SPIN	L1–2
SPIN ONLY	L1–2–3

ERROR CODE TABLE
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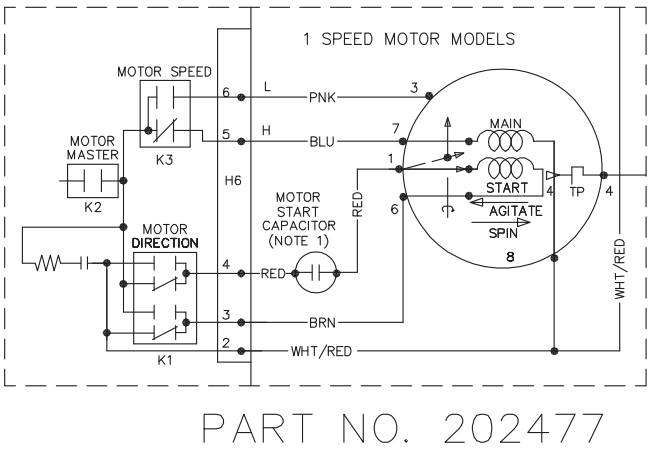

TLW418S

Section 5
Adjustments

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the washer before servicing.**
- **Never start the washer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the washer is properly grounded.**

W003

27. Leveling Legs

Refer to *Figure 1*.

a. Place rubber feet on all four leveling legs.
b. Place washer in position on a clean, dry, and reasonably firm floor.
c. Loosen locknuts and adjust two front leveling legs. Once adjusted, tilt washer forward on front legs and lower back down into position to set the rear self-leveling legs.
d. Washer must not rock. After washer is at desired height, tighten locknuts securely against bottom of washer base. If these locknuts are not tight, washer will not remain stationary during operation.

NOTE: Improper installation, installation on carpet or flexing of a weak floor will cause excessive vibration.

IMPORTANT: Do not slide washer across floor once leveling legs have been extended, as legs and base could become damaged.

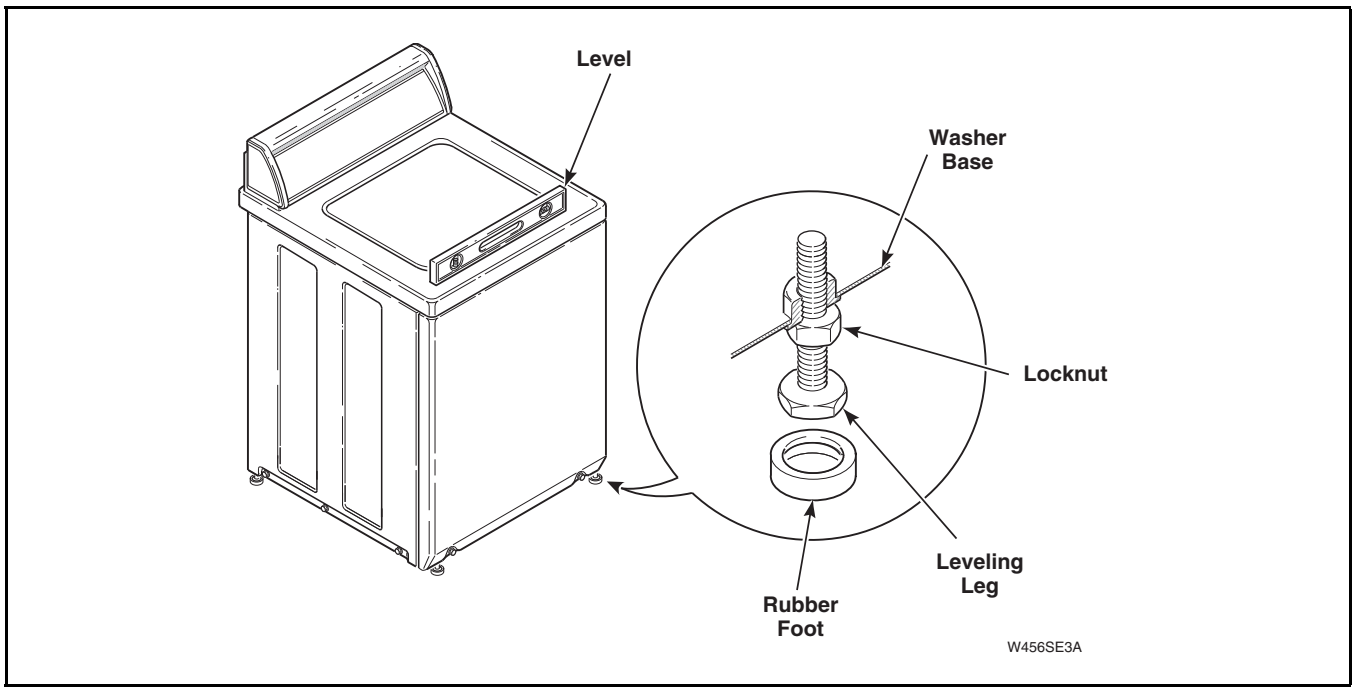

Figure 1

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the washer before servicing.**
- **Never start the washer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the washer is properly grounded.**

W003

28. Pressure Switch

Refer to *Figure 2*.

NOTE: DO NOT ADJUST PRESSURE SWITCH IF WASHER IS WITHIN THE WARRANTY PERIOD.

Pressure switch is set at the factory for proper water fill levels. However, if there is a problem of overfilling or underfilling, pressure switch can be adjusted.

Maximum water fill level can be increased by turning adjusting screw CLOCKWISE, and decreased by turning screw COUNTERCLOCKWISE.

One quarter turn of the adjusting screw represents approximately one inch (25.4 mm) increase or decrease of water level in washtub.

IMPORTANT: DO NOT turn adjusting screw more than 3/4 of a turn in either direction as the switch may be damaged and flooding could result.

When testing, pressure switch has continuity from terminal 1 to 2 when empty and 1 to 3 when full.

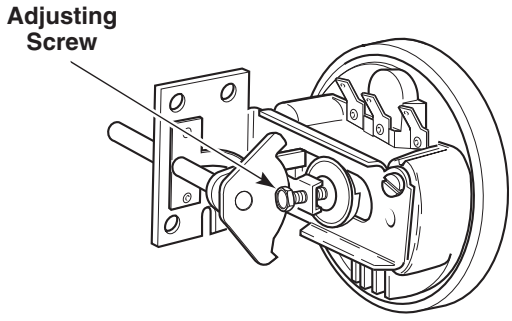

Figure 2

29. Belt (Agitate And Spin)

No belt adjustment is required.

Section 6
Test Procedures

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the washer before servicing.**
- **Never start the washer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the washer is properly grounded.**

W003

30. Motor Test Procedure

IMPORTANT: Disconnect base wire harness plug from motor.

WARNING

Disconnect electric power to washer before performing the following steps:

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Motor test procedures using an Ohm meter.

NOTE: Resistance readings slightly out of given ranges may be due to meter conditions. These readings DO NOT necessarily indicate motor failure.

	Meter Connections	Reading Should Be	If Not
1.	Ground to Each Other Terminal	Open	Terminal shorted to ground.
2.	White to Yellow	Closed	Open thermal overload.
3.	Red to Brown	2-8 Ohms	Start winding open or resistance too high or too low.
4.	Blue to White	1-2 Ohms	High speed winding (4 pole) open or resistance too high or too low.
5.	Violet to White (2-speed motor)	2.5 Ohms (Approximate)	Low winding opening; High speed winding open; or resistance too high or too low.
6.	“R” to Red	Closed	Open start (auxiliary) switch.
7.	“P” to Blue (2-speed motor)	Closed	Open start switch 4 pole winding.

NOTE: Steps 8, 9 and 10 are with motor centrifugal mechanism in the run position.

8.	“R” to Red	Open	Start auxiliary switch.
9.	“P” to Blue (2-speed motor)	3 Ohms (approximate)	Refer to Blue to White and Violet to White.
10.	“P” to Blue (2-speed motor)	Closed	Open low (6 pole) winding run switch.

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the washer before servicing.**
- **Never start the washer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the washer is properly grounded.**

W003

31. Mixing Valve Solenoid Test Procedure

Mixing valve test procedures using an Ohm meter.

NOTE: Resistance readings slightly out of given ranges may be due to meter conditions. These readings DO NOT necessarily indicate mixing valve failure.

120 Volt coils	900 - 1100 Ohms
240 Volt coils	3200 - 4000 Ohms

32. Temperature Switch Test Procedure

Check for continuity between the following terminal connections:

3 Position Switches

Temperature		Connection
Wash	Rinse	
Hot	Cold	L - 3
Warm	Cold	L - 3- 4
Cold	Cold	L - 4

4 Position Switches

Temperature		Connection
Wash	Rinse	
Hot	Cold	L1 - 2
Warm	Warm	L1 - 1, L1 - 2, L2 - 2, L2 - 1, L2 - L1, 1 - 2
Warm	Cold	L1 - 2, L1 - 1, 1 - 2
Cold	Cold	L1 - 1

5 Position Switches

Temperature		Connection
Wash	Rinse	
Hot	Cold	L1 - 2
Hot	Warm	L1 - 2, L2 - 2
Warm	Cold	L1 - 1, L1 - 2
Warm	Warm	L1 - 1, L1 - 2, L2 - 2
Cold	Cold	L1 - 1

Section 7
Cycle Sequence Charts

**CYCLE SEQUENCE CHARTS
FOUND ON THE FOLLOWING PAGES
ARE FOR WASHERS COVERED IN THIS MANUAL.**

Cycle Sequence Charts

NOTE: Times listed are approximate.

CYCLE	FUNCTION	WATER TEMP. SELECT	*MOTOR SPEED	TIME (Min. & Sec.)
PERMANENT PRESS	WASH FILL & AGITATE	H,W,C	FAST	9:47
	PAUSE			2:17
	DRAIN			:30
	FILL & PAUSE	C		2:27
	DRAIN			2:00
	DRAIN & SPIN		SLOW	2:11
	RINSE FILL & AGITATE	W,C	FAST	4:00
	PAUSE (:40) & DRAIN			3:00
	INTERVAL DRAIN & SPIN		SLOW	1:51
	DRAIN/SPIN/SPRAY	C	SLOW	:47
	DRAIN & SPIN		SLOW	4:31
OFF				2:30
DELICATE & WOOLENS	WASH FILL & AGITATE	H,W,C	SLOW	1:56
	PAUSE			2:05
	AGITATE	H,W,C	SLOW	:47
	PAUSE			1:43
	AGITATE	H,W,C	SLOW	:35
	PAUSE			2:07
	DRAIN			:30
	FILL & PAUSE	W,C		2:27
	DRAIN			2:00
	DRAIN & SPIN		SLOW	2:11
	PAUSE			:40
	RINSE FILL & AGITATE	W,C	SLOW	1:40
	PAUSE (:40) & DRAIN			3:00
	INTERVAL DRAIN & SPIN		SLOW	1:51
	DRAIN/SPIN/SPRAY	W,C	SLOW	:47
	DRAIN & SPIN		SLOW	4:31
OFF				2:30
SOAK/PREWASH	WASH FILL & AGITATE	H,W,C	FAST	2:26
	PAUSE			5:13
	AGITATE	H,W,C	FAST	1:49
	PAUSE			5:41
	AGITATE	H,W,C	FAST	1:49
	INFINITE PAUSE UNLESS L-T CONNECTED EXTERNALLY			2:30
	DRAIN			2:20
	INTERVAL DRAIN & SPIN		FAST	1:51
OFF	UNLESS L-T CONNECTED EXTERNALLY			2:30
REGULAR	WASH FILL & AGITATE	H,W,C	FAST	14:55
	PAUSE (:40) & DRAIN			2:40
	DRAIN & SPIN			2:11
	PAUSE			:40
	RINSE FILL & AGITATE	W,C	FAST	4:07
	PAUSE (:40) & DRAIN			3:00
	INTERVAL DRAIN & SPIN		FAST	1:51
	DRAIN/SPIN/SPRAY	COLD	FAST	:47
	DRAIN & SPIN		FAST	4:31

(continued)

TIMER NO. 37004 CYCLE SEQUENCE

OFF	UNLESS L-T CONNECTED EXTERNALLY			2:30
EXTRA RINSE	RINSE FILL & AGITATE	W,C	FAST	4:27
	PAUSE (:40) & DRAIN			3:00
	INTERVAL DRAIN & SPIN		FAST	1:51
	DRAIN & SPIN		FAST	2:30
OFF				2:30

***On Single Speed Model Washers, All Speeds are Fast.**

KEY:

H = HOT W = WARM C = COLD

TIMER NO. 37004 CYCLE SEQUENCE

Cycle Sequence Charts

NOTE: Times listed are approximate.

CYCLE	FUNCTION	WATER TEMP. SELECT	*MOTOR SPEED	TIME (Min. & Sec.)
SOAK OFF	SOAK FILL & AGITATE	H,W,C	SELECT	3:00
	SOAK FILL	H,W,C		12:00
	SPIN		SELECT	3:00
				3:00
PRE-WASH	WASH FILL & AGITATE	H,W,C	SELECT	6:00
	SPIN		SELECT	3:00
REGULAR OFF/PAUSE	WASH FILL & AGITATE	H,W,C	SELECT	15:00
	SPIN		SELECT	3:00
	SPIN & SPRAY	C	SELECT	:25
	SPIN		SELECT	2:35
	RINSE FILL & AGITATE	W,C	SELECT	3:00
	SPIN		SELECT	6:00
	CYCLE END OR PAUSE FOR EXTRA RINSE			3:00
EXTRA RINSE	RINSE FILL & AGITATE	W,C	SELECT	3:00
	SPIN		SELECT	6:00
OFF				OFF
PERMANENT PRESS	WASH FILL & AGITATE	H,W,C	SELECT	9:00
	SPIN		MEDIUM	3:00
	SPIN & SPRAY	C	MEDIUM	:25
	SPIN		MEDIUM	2:35
	RINSE FILL & AGITATE	W,C	SELECT	3:00
	SPIN		SELECT	6:00
OFF/PAUSE	CYCLE END OR PAUSE FOR EXTRA RINSE			3:00
EXTRA RINSE	RINSE FILL & AGITATE	W,C	SELECT	3:00
	SPIN		SELECT	6:00
OFF				3:00
DELICATE	WASH FILL & SOAK	H,W,C		3:00
	WASH FILL & AGITATE	H,W,C	MEDIUM	:25
	WASH FILL & SOAK	H,W,C		2:35
	WASH FILL & AGITATE	H,W,C	MEDIUM	:25
	WASH FILL & SOAK	H,W,C		2:35
	SPIN		MEDIUM	3:00
	SPIN & SPRAY	C	MEDIUM	:25
	SPIN		MEDIUM	2:40
	RINSE FILL & AGITATE	C	MEDIUM	3:00
	SPIN		MEDIUM	3:00
OFF/PAUSE	CYCLE END OR PAUSE FOR EXTRA RINSE			3:00

(continued)

TIMER NO. 37922 CYCLE SEQUENCE

EXTRA RINSE	RINSE FILL & AGITATE	C	MEDIUM	3:00
	SPIN		MEDIUM	3:00
OFF				3:00
HANDWASH	WASH FILL & SOAK	H,W,C		3:00
	WASH FILL & AGITATE	H,W,C	SLOW	:25
	WASH FILL & SOAK	H,W,C		2:35
	WASH FILL & AGITATE	H,W,C	SLOW	:25
	WASH FILL & SOAK	H,W,C		2:35
	SPIN		MEDIUM	3:00
	SPIN & SPRAY	C	MEDIUM	:25
	SPIN		MEDIUM	2:40
	RINSE FILL & AGITATE	C	SLOW	3:00
	SPIN		MEDIUM	3:00
OFF				3:00

***On Single Speed Model Washers, All Speeds are Fast.**

KEY:

H = HOT W = WARM C = COLD

TIMER NO. 37922 CYCLE SEQUENCE

Cycle Sequence Charts

NOTE: Times listed are approximate.

CYCLE	FUNCTION	WATER TEMP. SELECT	*MOTOR SPEED	TIME (Min. & Sec.)
REGULAR	WASH FILL & AGITATE	H,W,C	FAST	15:00
	SPIN		FAST	1:30
	SPIN & SPRAY	C	FAST	:25
	SPIN		FAST	2:35
	RINSE FILL & AGITATE	W,C	FAST	3:00
	SPIN		FAST	1:30
	SPIN & SPRAY	C	FAST	:25
	SPIN		FAST	7:05
OFF				3:00
PERMANENT PRESS	WASH FILL & AGITATE	H,W,C	FAST	9:00
	SPIN		SLOW	1:30
	SPIN & SPRAY	C	SLOW	:25
	SPIN		SLOW	2:35
	RINSE FILL & AGITATE	W,C	FAST	3:00
	SPIN		FAST	1:30
	SPIN & SPRAY	C	FAST	:25
	SPIN		FAST	7:05
OFF				3:00
DELICATE	WASH FILL & SOAK	H,W,C		1:30
	WASH FILL & AGITATE	H,W,C	SLOW	:25
	WASH FILL & SOAK	H,W,C		2:35
	WASH FILL & AGITATE	H,W,C	SLOW	:25
	WASH FILL & SOAK	H,W,C		2:35
	WASH FILL & AGITATE	H,W,C	SLOW	:25
	WASH FILL & SOAK	H,W,C		1:05
	SPIN		SLOW	1:30
	SPIN & SPRAY	C	SLOW	:25
	SPIN		SLOW	2:35
	RINSE FILL & AGITATE	C	SLOW	3:00
	SPIN		SLOW	1:30
	SPIN & SPRAY	C	SLOW	:25
	SPIN		SLOW	4:05
OFF				3:00

***On Single Speed Model Washers, All Speeds are Fast.**

KEY:

H = HOT W = WARM C = COLD

TIMER NO. 37925 CYCLE SEQUENCE

NOTE: Times listed are approximate.

CYCLE	FUNCTION	WATER TEMP. SELECT	*MOTOR SPEED	TIME (Min. & Sec.)
SOAK	SOAK FILL & AGITATE	H,W,C	SLOW	4:00
	SOAK FILL	H,W,C		12:00
	SPIN		SLOW	4:00
OFF				4:00
REGULAR	WASH FILL & AGITATE	H,W,C	FAST	15:30
	SPIN		FAST	2:00
	SPIN & SPRAY	C	FAST	:30
	SPIN		FAST	1:30
	RINSE FILL & AGITATE	W,C	FAST	4:00
	SPIN		FAST	6:00
OFF				4:00
PERMANENT PRESS	WASH FILL & AGITATE	H,W,C	FAST	9:30
	SPIN		SLOW	2:00
	SPIN & SPRAY	C	SLOW	:30
	SPIN		SLOW	1:30
	RINSE FILL & AGITATE	W,C	FAST	4:00
	SPIN		FAST	6:00
OFF				4:00
DELICATE	WASH FILL & SOAK	H,W,C		3:00
	WASH FILL & AGITATE	H,W,C	SLOW	:30
	WASH FILL & SOAK	H,W,C		1:30
	WASH FILL & AGITATE	H,W,C	SLOW	:30
	WASH FILL & SOAK	H,W,C		1:30
	WASH FILL & AGITATE	H,W,C	SLOW	:30
	WASH FILL & SOAK	H,W,C		1:30
	WASH FILL & AGITATE	H,W,C	SLOW	:30
	WASH FILL & SOAK	H,W,C		1:30
	SPIN		SLOW	2:00
	SPIN & SPRAY	C	SLOW	:30
	SPIN		SLOW	1:30
	RINSE FILL & AGITATE	C	SLOW	4:00
	SPIN		SLOW	4:00
OFF				4:00

***On Single Speed Model Washers, All Speeds are Fast.**

KEY:

H = HOT W = WARM C = COLD

TIMER NO. 37927 CYCLE SEQUENCE

Cycle Sequence Charts

NOTE: Times listed are approximate.

CYCLE	FUNCTION	WATER TEMP. SELECT	*MOTOR SPEED	TIME (Min. & Sec.)
REGULAR	WASH FILL & AGITATE	H,W,C	FAST	15:00
	SPIN		FAST	1:30
	SPIN & SPRAY	C	FAST	:25
	SPIN		FAST	2:35
	RINSE FILL & AGITATE	W,C	FAST	3:00
	SPIN		FAST	6:00
OFF				3:00
PERMANENT PRESS	WASH FILL & AGITATE	H,W,C	FAST	9:00
	SPIN		SLOW	1:30
	SPIN & SPRAY	C	SLOW	:25
	SPIN		SLOW	2:35
	RINSE FILL & AGITATE	W,C	FAST	3:00
	SPIN		FAST	6:00
OFF				3:00
DELICATE	WASH FILL & SOAK	H,W,C		1:30
	WASH FILL & AGITATE	H,W,C	SLOW	:25
	WASH FILL & SOAK	H,W,C		2:35
	WASH FILL & AGITATE	H,W,C	SLOW	:25
	WASH FILL & SOAK	H,W,C		2:35
	WASH FILL & AGITATE	H,W,C	SLOW	:25
	WASH FILL & SOAK	H,W,C		1:05
	SPIN		SLOW	1:30
	SPIN & SPRAY	C	SLOW	:25
	SPIN		SLOW	2:35
	RINSE FILL & AGITATE	C	SLOW	3:00
	SPIN		SLOW	3:00
OFF				3:00

***On Single Speed Model Washers, All Speeds are Fast.**

KEY:

H = HOT W = WARM C = COLD

TIMER NO. 37928, 37929, 37930 AND 200885 CYCLE SEQUENCE

NOTE: Times listed are approximate.

CYCLE	FUNCTION	WATER TEMP. SELECT	*MOTOR SPEED	TIME (Min. & Sec.)
PERMANENT PRESS	WASH FILL & AGITATE	H,W,C	FAST	9:35
	PAUSE (:23) & DRAIN			1:13
	FILL AND PAUSE	C		2:25
	DRAIN			2:00
	DRAIN & SPIN		SLOW	2:23
	RINSE FILL & AGITATE	W,C	FAST	4:23
	PAUSE (:23) & DRAIN			2:23
	INTERVAL DRAIN & SPIN		FAST	1:34
	DRAIN/SPIN/SPRAY	C	FAST	:52
	DRAIN & SPIN		FAST	4:45
OFF				3:36
REGULAR	WASH FILL & AGITATE	H,W,C	FAST	14:23
	PAUSE (:23) & DRAIN			2:23
	DRAIN & SPIN			2:23
	PAUSE			:23
	RINSE FILL & AGITATE	W,C	FAST	4:23
	PAUSE (:23) & DRAIN			2:23
	INTERVAL DRAIN & SPIN		FAST	1:34
	DRAIN/SPIN/SPRAY	C	FAST	:52
	DRAIN & SPIN		FAST	4:45
OFF				3:36

***On Single Speed Model Washers, All Speeds are Fast.**

KEY:

H = HOT W = WARM C = COLD

TIMER NO. 37995 CYCLE SEQUENCE

Cycle Sequence Charts

NOTE: Times listed are approximate.

CYCLE	FUNCTION	WATER TEMP. SELECT	*MOTOR SPEED	TIME (Min. & Sec.)
SOAK	SOAK FILL & AGITATE	H,W,C	SLOW	3:00
	SOAK FILL	H,W,C		12:00
	SPIN		SLOW	3:00
OFF				3:00
PRE-WASH	WASH FILL & AGITATE	H,W,C	FAST	6:00
	SPIN		FAST	3:00
REGULAR	WASH FILL & AGITATE	H,W,C	FAST	15:30
	SPIN		FAST	3:00
	SPIN & SPRAY	C	FAST	:25
	SPIN		FAST	2:35
	RINSE FILL & AGITATE	W,C	FAST	3:00
	SPIN		FAST	6:00
OFF/PAUSE	CYCLE END OR PAUSE FOR EXTRA RINSE			3:00
EXTRA RINSE	RINSE FILL & AGITATE	W,C	FAST	3:00
	SPIN		FAST	6:00
OFF				OFF
PERMANENT PRESS	WASH FILL & AGITATE	H,W,C	FAST	9:30
	SPIN		SLOW	3:00
	SPIN & SPRAY	C	SLOW	:25
	SPIN		SLOW	2:35
	RINSE FILL & AGITATE	W,C	FAST	3:00
	SPIN		FAST	6:00
OFF/PAUSE	CYCLE END OR PAUSE FOR EXTRA RINSE			3:00
EXTRA RINSE	RINSE FILL & AGITATE	W,C	FAST	3:00
	SPIN		FAST	6:00
OFF				3:00
DELICATE	WASH FILL & SOAK	H,W,C		3:00
	WASH FILL & AGITATE	H,W,C	SLOW	:25
	WASH FILL & SOAK	H,W,C		2:35
	WASH FILL & AGITATE	H,W,C	SLOW	:25
	WASH FILL & SOAK	H,W,C		2:35
	SPIN		SLOW	3:00
	SPIN & SPRAY	C	SLOW	:25
	SPIN		SLOW	2:35
	RINSE FILL & AGITATE	C	SLOW	3:00
	SPIN		SLOW	3:00

(continued)

TIMER NO. 38881 CYCLE SEQUENCE

OFF/PAUSE	CYCLE END OR PAUSE FOR EXTRA RINSE			3:00
EXTRA RINSE	RINSE FILL & AGITATE	C	SLOW	3:00
	SPIN		SLOW	3:00
OFF				3:00

***On Single Speed Model Washers, All Speeds are Fast.**

KEY:

H = HOT W = WARM C = COLD

TIMER NO. 38881 CYCLE SEQUENCE

Cycle Sequence Charts

NOTE: Times listed are approximate.

CYCLE	FUNCTION	WATER TEMP. SELECT	*MOTOR SPEED	TIME (Min. & Sec.)
PERMANENT PRESS	WASH FILL & AGITATE	H,W,C	FAST	9:41
	PAUSE			2:23
	DRAIN			:30
	FILL & PAUSE	C		2:06
	DRAIN			2:00
	DRAIN & SPIN		SLOW	2:00
	RINSE FILL & AGITATE	W,C	FAST	4:07
	PAUSE (:40) & DRAIN			3:00
	INTERVAL DRAIN & SPIN		FAST	1:40
	DRAIN/SPIN/SPRAY	C	FAST	:47
	DRAIN & SPIN		FAST	4:13
OFF				7:30
DELICATE	WASH FILL & PAUSE			1:24
	AGITATE	H,W,C	SLOW	:47
	PAUSE			1:36
	AGITATE	H,W,C	SLOW	:47
	PAUSE			1:36
	AGITATE	H,W,C	SLOW	:35
	PAUSE			1:55
	DRAIN			:30
	FILL & PAUSE	W,C		2:06
	DRAIN			2:00
	DRAIN & SPIN		SLOW	2:00
	PAUSE			:40
	RINSE FILL & AGITATE	W,C	SLOW	1:40
	PAUSE (:40) & DRAIN			3:00
	INTERVAL DRAIN & SPIN		SLOW	1:40
	DRAIN/SPIN/SPRAY	W,C	SLOW	:47
	DRAIN & SPIN		SLOW	4:13
OFF				7:30
REGULAR	WASH FILL & AGITATE	H,W,C	FAST	14:55
	PAUSE (:40) & DRAIN			2:40
	DRAIN & SPIN			2:00
	PAUSE			:40
	RINSE FILL & AGITATE	W,C	FAST	4:07
	PAUSE (:40) & DRAIN			3:00
	INTERVAL DRAIN & SPIN		FAST	1:40
	DRAIN/SPIN/SPRAY	COLD	FAST	:47
	DRAIN & SPIN		FAST	4:13
OFF				7:30

***On Single Speed Model Washers, All Speeds are Fast.**

KEY:

H = HOT W = WARM C = COLD

TIMER NO. 39445 AND 201013 CYCLE SEQUENCE

NOTE: Times listed are approximate.

CYCLE	FUNCTION	WATER TEMP. SELECT	*MOTOR SPEED	TIME (Min. & Sec.)
PERMANENT PRESS	WASH FILL & AGITATE	H,W,C	FAST	9:00
	SPIN		SLOW	1:12
	SPIN & SPRAY	C	SLOW	:15
	SPIN		SLOW	:45
	SPIN & SPRAY	C	SLOW	:15
	SPIN		SLOW	2:48
	RINSE FILL & AGITATE	W,C	FAST	3:00
	SPIN		FAST	6:00
OFF				3:00
REGULAR	WASH FILL & AGITATE	H,W,C	FAST	15:00
	SPIN		FAST	1:12
	SPIN & SPRAY	C	FAST	:15
	SPIN		FAST	:45
	SPIN & SPRAY	C	FAST	:15
	SPIN		FAST	2:48
	RINSE FILL & AGITATE	W,C	FAST	3:00
	SPIN		FAST	6:00
OFF				3:00

***On Single Speed Model Washers, All Speeds are Fast.**

KEY:

H = HOT W = WARM C = COLD

TIMER NO. 200604 CYCLE SEQUENCE

Cycle Sequence Charts

NOTE: Times listed are approximate.

CYCLE	FUNCTION	WATER TEMP. SELECT	*MOTOR SPEED	TIME (Min. & Sec.)
REGULAR	WASH FILL & AGITATE	H,W,C	FAST	15:00
	SPIN		FAST	1:30
	SPIN & SPRAY	C	FAST	:25
	SPIN		FAST	2:35
	RINSE FILL & AGITATE	W,C	FAST	3:00
	SPIN		FAST	6:00
OFF				3:00
PERMANENT PRESS	WASH FILL & AGITATE	H,W,C	FAST	9:00
	SPIN		FAST	1:30
	SPIN & SPRAY	C	FAST	:25
	SPIN		FAST	2:35
	RINSE FILL & AGITATE	W,C	FAST	3:00
	SPIN		FAST	6:00
OFF				3:00
DELICATE	WASH FILL & SOAK	H,W,C		1:30
	WASH FILL & AGITATE	H,W,C	FAST	:25
	WASH FILL & SOAK	H,W,C		2:35
	WASH FILL & AGITATE	H,W,C	FAST	:25
	WASH FILL & SOAK	H,W,C		2:35
	WASH FILL & AGITATE	H,W,C	FAST	:25
	WASH FILL & SOAK	H,W,C		1:05
	SPIN		FAST	1:30
	SPIN & SPRAY	C	FAST	:25
	SPIN		FAST	2:35
	RINSE FILL & AGITATE	C	FAST	3:00
	SPIN		FAST	3:00
OFF				3:00

***On Single Speed Model Washers, All Speeds are Fast.**

KEY:

H = HOT W = WARM C = COLD

TIMER NO. 200927 CYCLE SEQUENCE

NOTE: Times listed are approximate.

CYCLE	FUNCTION	WATER TEMP. SELECT	*MOTOR SPEED	TIME (Min. & Sec.)
SOAK/ PREWASH	SOAK FILL & AGITATE	H,W,C	SLOW	3:00
	SOAK FILL	H,W,C		12:00
	SPIN		SLOW	3:00
OFF				6:00
HEAVY DUTY/ PERMANENT PRESS	WASH FILL & AGITATE	H,W,C	FAST	15:00
	SPIN		SLOW	3:00
	SPIN & SPRAY	C	SLOW	:24
	SPIN		SLOW	3:00
	RINSE FILL & AGITATE	C	FAST	3:00
	SPIN		FAST	6:00
OFF/PAUSE	CYCLE END OR PAUSE FOR EXTRA RINSE			3:00
EXTRA RINSE	RINSE FILL & AGITATE	C		3:00
	SPIN		FAST	6:00
OFF				6:00
NORMAL ECO	WASH FILL & AGITATE	C	FAST	9:00
	SPIN		SLOW	3:00
	SPIN & SPRAY	C	SLOW	:24
	SPIN		SLOW	3:00
	SPIN & SPRAY	C	SLOW	:24
	SPIN		SLOW	3:00
	SPIN & SPRAY	C	SLOW	:24
	SPIN		SLOW	3:00
	SPIN		FAST	9:00
OFF				6:00
DELICATE	WASH FILL & SOAK	H,W,C		3:00
	WASH FILL & AGITATE	H,W,C	SLOW	:24
	WASH FILL & SOAK	H,W,C		2:30
	WASH FILL & AGITATE	H,W,C	SLOW	:24
	WASH FILL & SOAK	H,W,C		2:30
	SPIN		SLOW	3:00
	SPIN & SPRAY	C	SLOW	:24
	SPIN		SLOW	3:00
	RINSE FILL & AGITATE	C	SLOW	3:00
	SPIN		SLOW	3:00
OFF/PAUSE	CYCLE END OR PAUSE FOR EXTRA RINSE			3:00
EXTRA RINSE	RINSE FILL & AGITATE	C		3:00
	SPIN		SLOW	3:00
OFF	OFF			6:00

TIMER NO. 202705 AND 203387 CYCLE SEQUENCE

***On Single Speed Model Washers, All Speeds are Fast.**

KEY:

H = HOT W = WARM C = COLD

TIMER NO. 202705 AND 203387 CYCLE SEQUENCE

FUNCTION		LIGHTS: IN USE	LIGHTS: RINSE	LIGHTS: SPIN	WATER TEMP.	CYCLE & MOTOR SPEED *	TIME (Minutes and Seconds): REGULAR CYCLE
WASH	FILL	X			H, W, C		2:00
WASH	AGITATE	X				N = FAST PP = FAST D = SLOW	N = 10:00 PP = 9:00 D = 8:00
PAUSE		X					:10
DRAIN		X					2:00
SPIN	SPIN	X				N = FAST PP & D = SLOW	N = :30 PP & D = 1:00
SPIN	SPIN AND SPRAY	X			C	N = FAST PP = SLOW D = SLOW	:30
SPIN	SPIN	X				N = FAST PP = SLOW D = SLOW	N = 2:30 PP & D = 2:00
RINSE	FILL	X	X		C		2:00
RINSE	AGITATE	X	X			N = FAST PP = FAST D = SLOW	5:00
PAUSE		X	X				:10
DRAIN		X	X				2:00
SPIN	SPIN	X	X			N & PP = FAST D = SLOW	1:30
SPIN	FINAL SPIN	X		X		N & PP = FAST D = SLOW	7:00
						TOTAL	N = 35:20 PP = 34:20 D = 25:54

*On single speed models, all speeds are fast.

KEY:

H = HOT
W = WARM
C = COLD
N = NORMAL CYCLE
PP = PERMANENT PRESS CYCLE
D = DELICATE CYCLE
X = INDICATOR LIGHT GLOWS

CYCLE SEQUENCE FOR MODEL AWNA62SN301AW01 – REGULAR CYCLE

		LIGHTS					TIME (Minutes and Seconds)
FUNCTION		IN USE	RINSE	SPIN	WATER TEMP.	CYCLE & MOTOR SPEED *	HIGH EFFICIENCY CYCLE
WASH	FILL	X			H, W, C		2:00
	AGITATE	X				N & PP = FAST D = SLOW	N = 10:00 PP = 9:00 D = 8:00
	PAUSE	X					N = 20:00 PP = 1:30 D = 2:30
	AGITATE	X				N & PP = FAST D = SLOW	N = 9:00 PP = 8:00 D = 6:00
	PAUSE	X					N = 5:00 PP = 1:30 D = 2:30
	AGITATE	X				N & PP = FAST D = SLOW	N = 9:00 PP = 8:00 D = 6:00
	PAUSE	X					N = 10:00 PP = 0:10 D = 2:30
SPIN	SPIN	X				FAST	5:00
	SPIN AND SPRAY	X			C	FAST	0:26
RINSE	SPIN	X	X			FAST	1:00
	SPIN/FILL	X	X		C	FAST	0:26
	SPIN	X	X			FAST	1:00
	SPIN/FILL	X	X		C	FAST	0:26
	SPIN	X	X			FAST	1:30
SPIN	FINAL SPIN	X		X		FAST	7:00
						TOTAL	N = 81:48 PP = 45:58 D = 44:18

*On single speed models, all speeds are fast.

KEY:

H = HOT
W = WARM
C = COLD
N = NORMAL CYCLE
PP = PERMANENT PRESS CYCLE
D = DELICATE CYCLE
X = INDICATOR LIGHT GLOWS

CYCLE SEQUENCE FOR MODEL AWNA62SN301AW01 – HIGH EFFICIENCY CYCLE

FUNCTION		LIGHTS					TIME (Minutes and Seconds)	
		IN USE	RINSE	SPIN	WATER TEMP.	CYCLE & MOTOR SPEED *	RINSE & SPIN CYCLE	SPIN ONLY CYCLE
RINSE	FILL	X	X		C		2:00	:00
	AGITATE	X	X			FAST	4:00	:00
	PAUSE	X	X				:10	:00
	DRAIN	X	X				2:00	:00
SPIN	SPIN	X	X			FAST	1:30	:00
	SPIN AND SPRAY	X	X		C	FAST	:30	:00
	FINAL SPIN	X		X		FAST	7:00	7:00
						TOTAL	17:10	7:00

KEY:

C = COLD

X = INDICATOR LIGHT GLOWS

CYCLE SEQUENCE FOR MODEL AWNA62SN301AW01 – RINSE & SPIN AND SPIN ONLY CYCLES