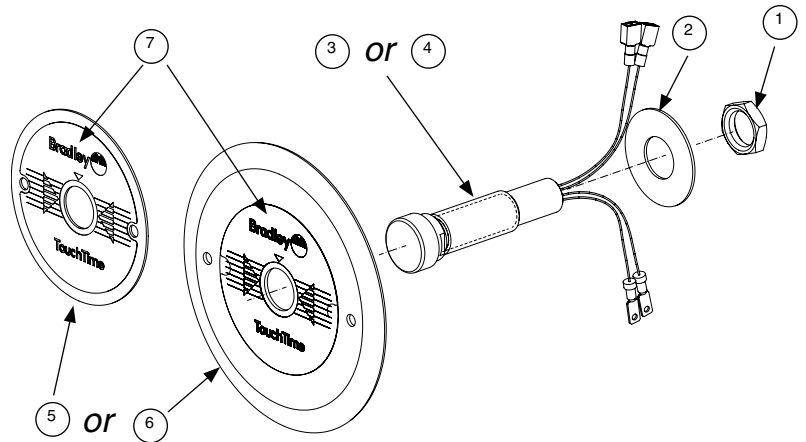
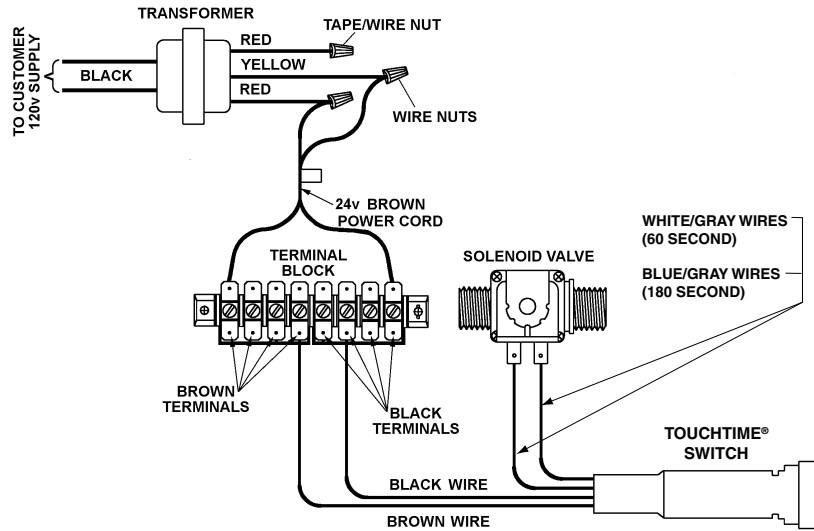


### TouchTime®

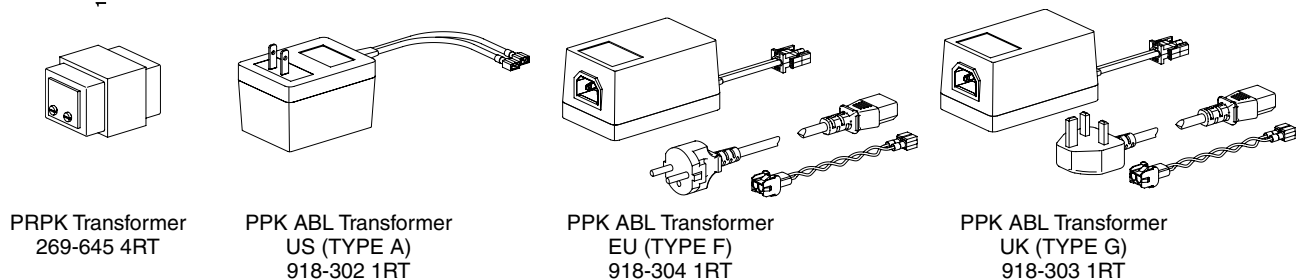
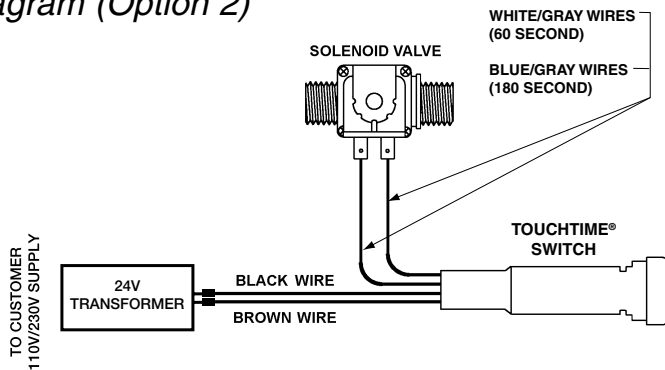
Item	Part No.	Description
1	110-115	Nut
2	142-002CB	Flat Washer
3	S83-128	Switch Assembly - 60 Second
4	S83-128F	Switch Assembly - 180 Second
5	159-400	Escutcheon - Flat
6	159-354	Escutcheon - Convex
7	204-465	Decal (on face of escutcheon)



### Wiring Diagram (Option 1)




### Wiring Diagram (Option 2)



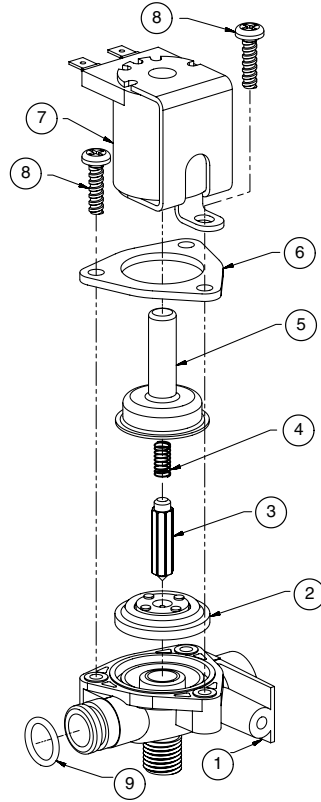
## Servicing TouchTime® Push Button Unit

Problem	Cause	Solution
If the TouchTime push button unit does not function properly	Water supply and/or electrical power are not on	Make sure the water supply and the 24 VAC power are both turned on.
	Wiring	Check the wiring: <ol style="list-style-type: none"> <li>1. Turn the electrical power off.</li> <li>2. Check the wiring for loose connections or corrosion and correct if necessary.</li> <li>3. Turn the electrical power back on and retest the push button.</li> </ol>
	Transformer	Test the transformer with a volt meter following the procedure outlined below: <ol style="list-style-type: none"> <li>1. Turn the water supply off (the electrical power should remain on).</li> <li>2. Set the volt meter scale to be able to read "24 VAC".</li> <li>3. Connect the volt meter leads to the terminal block (one on each side).</li> <li>4. The voltage reading should indicate 24 VAC ± 10%.</li> </ol> <p><i>NOTE: If you are unable to obtain a proper voltage reading, the transformer is not working properly and needs to be replaced. Contact your Bradley representative to order a replacement transformer (ask for Bradley part number 269-703A (hard wired) or see plug-in type transformer parts table).</i></p>
	Solenoid Valve	Test the solenoid valve following the procedure outlined below: <ol style="list-style-type: none"> <li>1. Disconnect the White/Gray wires (60 second) or Blue/Gray wires (180 second) from the solenoid.</li> <li>2. Disconnect the brown power cord leads from the terminal block.</li> <li>3. Connect the brown power cord leads directly to the solenoid. The solenoid coil should activate and you should hear a single click and a humming noise.</li> </ol> <p><i>NOTE: If the solenoid coil does not activate, the solenoid valve is not working properly and needs to be replaced. Contact your Bradley representative to order a replacement solenoid valve assembly (ask for Bradley part number S07-053).</i></p>

### Troubleshooting – Solenoid Valve: Part nos. S07-067 (closed body)

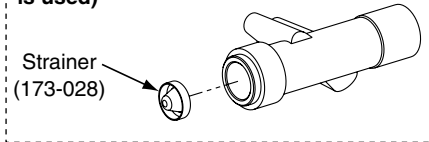
 Turn off water supplies to the unit before troubleshooting.

Item	Qty.	Part No.	Description
1	1	118-307	Valve Body, ¼" Closed
2	1	269-983	Diaphragm
3	1	269-577	Armature
4	1	269-578	Spring
5	1	269-1729	Armature Housing
6	1	269-1730	Clamp, Armature Housing
7	1	269-579	Coil, Solenoid Valve
8	3	160-447	Screw, #8 x 5/8
9	1	125-165	O-Ring, #2-013



#### Tempered Line Adapter Option Part no. S39-804

(replaces S59-4000 if tempered line is used)



#### Repair Kit S65-113

Item	Qty.	Description
2	1	Diaphragm
3	1	Armature
4	1	Spring

Problem	Cause	Solution
An individual operating station fails to shut off and drips.	Debris is trapped between the diaphragm and the valve seat.	Remove debris between diaphragm and the valve seat. <ol style="list-style-type: none"> <li>1. Remove the three #8 Phillips-head screws that hold the solenoid valve assembly together. Be careful not to lose the armature or spring.</li> <li>2. Remove the diaphragm. Remove any particles that have been trapped between the diaphragm and the valve seat. Rinse off the diaphragm and inspect for damage. Make sure the center orifice and both small side orifices are open.</li> <li>3. Reassemble in reverse order (do not overtighten the Phillips-head screws or the plastic valve body may crack). Tighten until the armature plate makes contact with the plastic body.</li> <li>4. Reconnect the wiring.</li> </ol>
An individual operating station fails to turn on.	A failed coil for the valve or loose electrical connection to the terminal.	Test the station to determine the cause. <ol style="list-style-type: none"> <li>1. Disconnect the wires from the coil of an adjacent valve. Disconnect the wires from the problem valve and reconnect to the adjacent valve.</li> <li>2. Turn on electrical and water supplies to the unit. Pass your hand in front of the sensor of the problem station, and the adjacent station should turn on.</li> </ol> <p>If the adjacent station turns on and cycles normally, replace the coil on the problem valve.</p> <p>If the adjacent valve fails to turn on, inspect the wires from the sensor cable and do the following:</p> <ol style="list-style-type: none"> <li>1. make sure there are no breaks and that the fully insulated disconnect terminals are firmly crimped in place;</li> <li>2. turn off the electrical and water supplies;</li> <li>3. reconnect to the adjacent valve and turn on the water supplies to the unit;</li> <li>4. pass your hand in front of the sensor. If the station still fails to turn on, replace the sensor.</li> </ol>