

Series Governor 80-M1

Ball Cock and Thermal Expansion Relief Valve

IS-80-M1

CAUTION:

You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product. **FAILURE TO COMPLY WITH PROPER INSTALLATION AND MAINTENANCE INSTRUCTIONS COULD RESULT IN PRODUCT FAILURE WHICH CAN CAUSE PROPERTY DAMAGE, AND/OR PERSONAL INJURY.** Watts is not responsible for damages resulting from improper installation and/or maintenance.

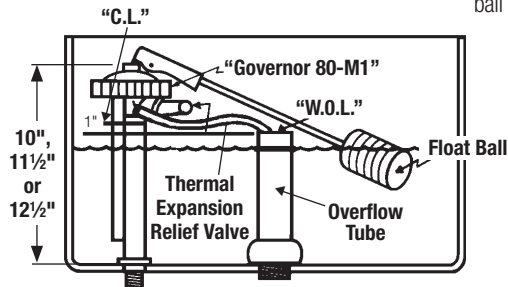
Local building or plumbing codes may require modifications to the information provided. You are required to consult the local building and plumbing codes prior to installation. If this information is not consistent with local building or plumbing codes, the local codes should be followed.

Need for Periodic Inspection/Maintenance: This product must be tested periodically in compliance with local codes, but at least once per year or more as service conditions warrant. Corrosive water conditions, and/or unauthorized adjustments or repair could render the product ineffective for the service intended. Regular checking and cleaning of the product's internal components helps assure maximum life and proper product function.

Installation Instructions

The Watts Governor 80-M1 is for both existing and new installations providing an auxiliary relief feature, a safe antisiphon vacuum breaker and truly dependable fill valve assembly.

The non-adjustable thermal expansion relief valve is set standardly at 80psi (552 kPa), 100psi (6.9 bar), or 125psi (8.6 bar) with a maximum operating temperature of 110°F (135°C) to meet existing codes. The Watts Governor 80 is available in three

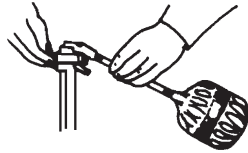


standard lengths: 10", 11½" or 12½". **Be sure maximum water level mark is even with or above the top of the overflow tube.**

Important: This is a control device that limits system pressure in the event of thermal expansion. It does not take the place of any safety relief devices that are required by code. If the incoming water pressure exceeds 65psi (448 kPa), a pressure reducing valve must be installed at the service entrance. If the system already contains a pressure reducing valve, be sure it is set no higher than 65psi (448 kPa) under a no-flow condition.

Installation Instructions For The Governor 80-M1.

1. Shut off water supply valve. Drain tank.
2. Unscrew water supply line coupling nut from ball cock shank beneath tank. (A small amount of water will drain out.) Slide coupling nut down water supply line to be reused. If replacement is necessary, a new coupling nut is provided. (See reverse side.)
3. Unscrew and remove lock nut from ball cock shank. Remove old ballcock assembly.
4. Thread float rod into lever on top of the Governor 80-M1. (If your tank requires a longer threaded float rod, obtain one or reuse float rod from old ball cock.) Thread the float onto the float rod.
5. Insert shank through hole in bottom of tank. Position ball cock inside tank so rod and float do not rub against flush valve or back of tank. Hold ball cock steady inside the tank while threading



Typical Water Closet

C.L. = Critical level established
W.O.L. = Water overflow level



new lock nut onto shank beneath tank. Turn lock nut until hand-tight, then snug ¼ – turn with pliers. **Do Not Overtighten.**

6. Reattach coupling nut washer from the end of water supply line or install new coupling nut washer provided. Turn snug ¼ – turn with pliers. **Do Not Overtighten.**
7. Attach refill tube provided onto connector of ball cock. Then clip the opposite end of refill tube onto the overflow tube of flush valve so that the end of refill tube is pointing into the overflow tube.
8. Your new ball cock is ready to use. Turn on water. Examine for leaks. With no leaks apparent, flush toilet and check for proper water level of tank when full.

Sometimes slight adjustments have to be made to maintain the proper water level in the tank. This can be done by slightly bending the float rod. Bend rod upward to allow more water into the tank or bend downward to reduce water level.

Installation Instructions For Governor 80-M1 Service Kit.

1. Shut off water supply valve and flush toilet.
 2. Unscrew cap ring (counterclockwise). Slide ring over lever assembly and rest it on float. Remove top works (cap, lever assembly, plunger and both diaphragms).
 3. Remove and replace relief valve.
- Note:** Do not use Teflon® tape or pipe dope. Do not overtighten.
4. Insert new diaphragms and reassemble top works.

Limited Warranty: Watts Regulator Co. (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

Some States do not allow limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. **SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.**



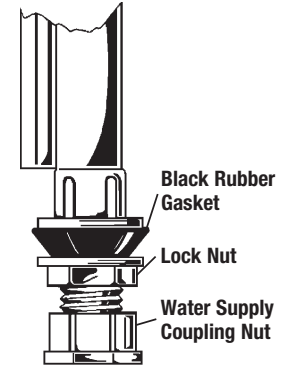
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Note: Position lever assembly so that notched parts are aligned, before attaching cap ring.

5. Turn on water. Examine for leaks and proper water level.

Repair Kit: RK GOV80-D
Ordering Code: 0721478

Consists of: 1 - Upper diaphragm
1 - Lower diaphragm
1 - Relief valve #32-80



CALIFORNIA PROPOSITION 65 WARNING

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

For more information: www.watts.com/prop65



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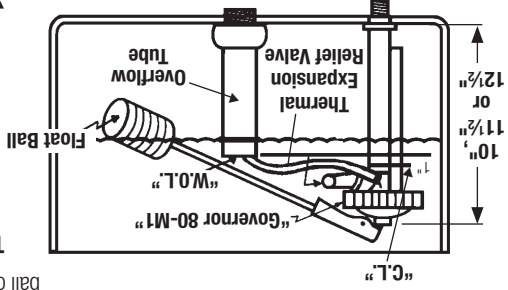
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Local building or plumbing codes may require pressure reducing valve, be sure it is set no higher than 65psi (448 kPa) under a no-flow condition. Required to consult the local building and plumbing codes prior to installation. If this information is not consistent with local building or plumbing codes, the local codes should be followed.

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Installation Instructions

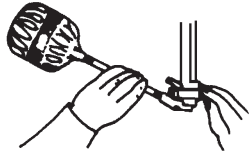
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Typical Water Closet
C.L. = Critical level established
W.O.L. = Water overflow level

ball cock steady inside the tank while threading Position ball cock inside tank so rod and float do not rub against flush valve or back of tank. Hold

1. Insert shank through hole in bottom of tank float rod.
2. Thread float rod into lever on top of the Governor 80-M1. (If your tank requires a longer threaded float rod, obtain one or reuse float rod from old ball cock). Thread the float onto the float rod.
3. Unscrew and remove lock nut from ball cock shank. Remove old ballcock assembly.
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5. Insert shank through hole in bottom of tank ball cock steady inside the tank while threading



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maximum water level mark is even with or above the top of the overflow tube.

standard lengths: 10", 1 1/2" or 12 1/2". Be sure

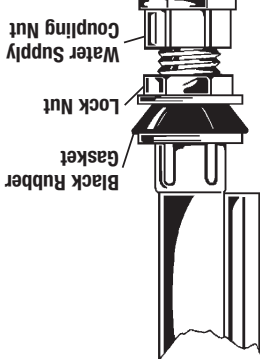
Note: Position lever assembly so that notched parts are aligned, before attaching cap ring.

5. Turn on water. Examine for leaks and proper water level.

Repair kit: RK GOV80-D

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- Consists of:**
- 1 - Upper diaphragm
 - 1 - Lower diaphragm
 - 1 - Relief valve #32-80



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6. Reattach coupling nut washer from the end of water supply line or install new coupling nut washer provided. Turn snug 1/4 - turn with pliers. **Do Not Overtighten.**
7. Attach refill tube provided onto connector of ball cock. Then clip the opposite end of refill tube onto the overflow tube of flush valve so that the end of refill tube is pointing into the overflow tube.
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Some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. **SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.**

