



# PERFORMANCE BULLETIN

Product     Application     Service     General    news from

March 12, 2002



## 6600 & 6700 Electronics Update

Since January 2002, we have been investigating recent complaints from the field regarding some 6600 and 6700 metered control valves. These valves have exhibited the same erratic behavior found last year in time clock regeneration control valves.

Symptoms may include the following:

- Corrupted Time of Day and Volume Remaining Display.
- Reprogrammed Option Settings
- Spontaneous initiation of regeneration.

### - May Effect Valves Manufactured September 2000 to February 2002 -

The symptoms above may occur due to the electrical environment in which the control valve is installed. Only a limited number of valves are experiencing these symptoms, however we are addressing this issue in the following way:

#### Metered Valves –

As of February 19, 2002 we are also installing ferrite beads onto the battery harness and the meter cable. These ferrite beads will eliminate electrical interference entering the control through the meter cable and battery harness, causing timer failure.

Fig. 1

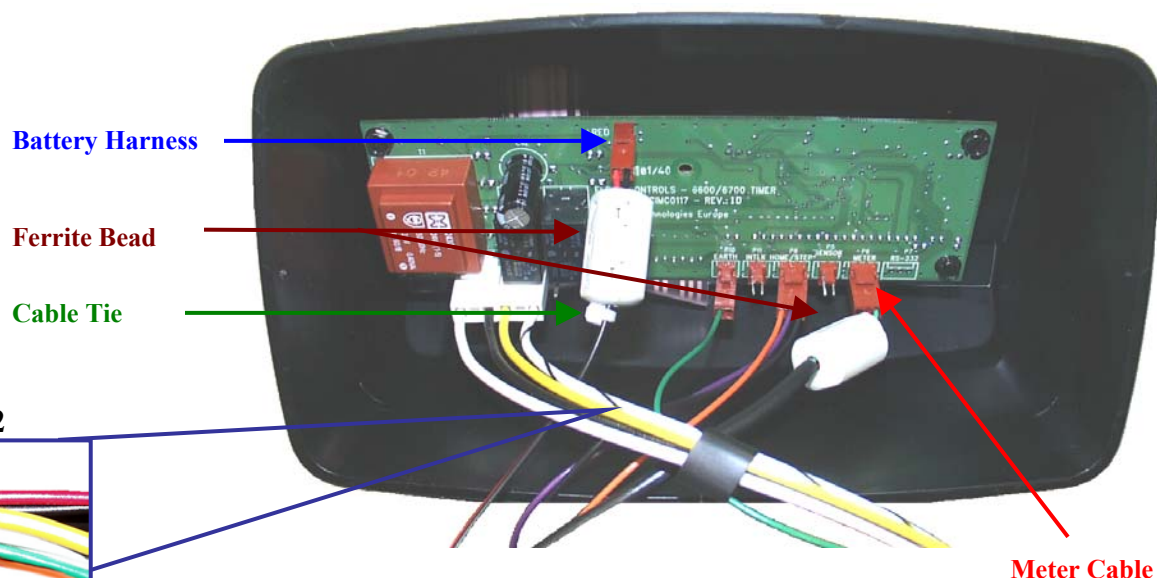


Fig. 2

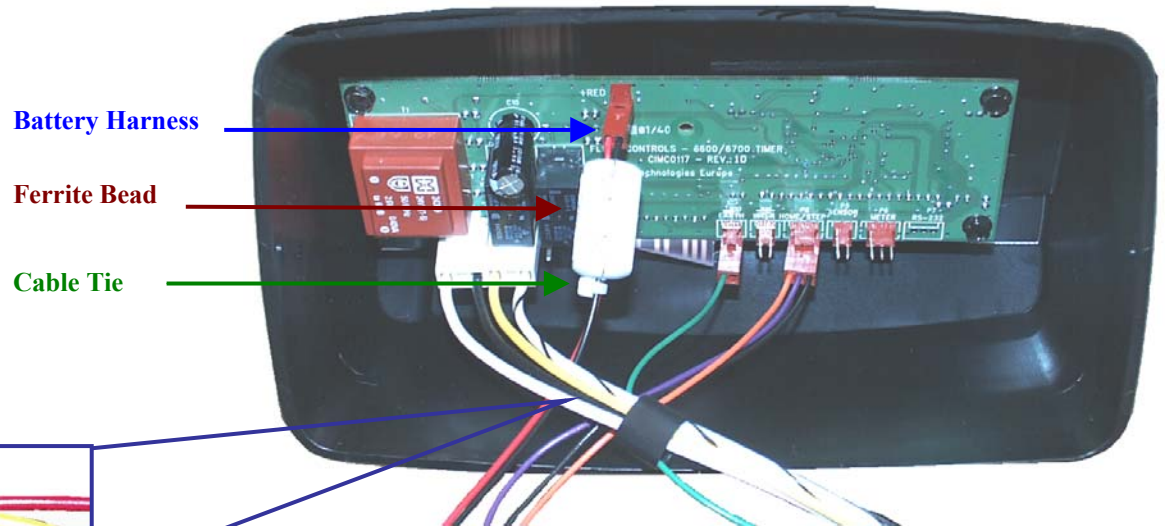


For field installations (see fig. 1) snap a **ferrite bead** (P/N 40508) around the **battery harness** close to the connector that plugs into the circuit board. Install a **cable tie** (P/N 14044) just below the **ferrite bead** to lock it into place. Snap another **ferrite bead** around the three individual **meter cable** wires close to the connector that plugs into the circuit board. A cable tie is not required for the ferrite bead on the meter cable. Finally, (see fig. 2) remove the cable tie that has all wires tied together and separate.

## Time Clock Valves –

From May 2001 to current we have been installing ferrite beads on the battery harness. This ferrite bead eliminates the electrical interference entering the malfunctioning control through the battery harness. Prior to implementing the ferrite bead solution meter cables were installed on time clock control valves between February 2001 to May 2001 as a measure to eliminate electrical interference.

**Fig. 1**



**Fig. 2**



For field installation (see fig. 1) snap a **ferrite bead** (P/N 40508) around the **battery harness** close to the connector that plugs into the circuit board. Install a **cable tie** (P/N 14044) just below the **ferrite bead** to lock it into place. Finally (see fig. 2) remove the cable tie that has all wires tied together and separate.

If other reasons for control malfunction have been ruled out, and the valve was manufactured after September 2000, this is likely the problem.

As always, thank you for using Fleck controls.

Sincerely,  
Pentair Water Treatment, Inc.

Jay Runkle  
Technical/Sales Support