

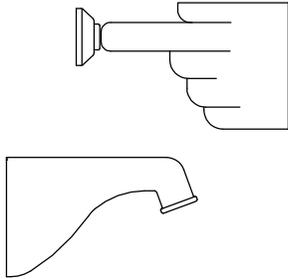


**1042 Drinking Fountain, 1011, 1011B Lavatories and 1051 Service Sink**  
**METERING AIR-CONTROLLED VALVES - (DELAYED ACTING)**

**CONDITION:**

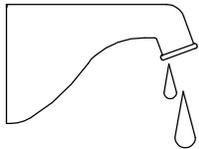
**SOLUTION:**

**NO WATER FLOW:**



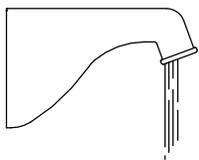
- 1.1 Check water main supply – open.
- 1.2 Inspect checkstops – open.
- 1.3 Inspect checkstop strainer for debris.
- 1.4 Check 1/8” O.D. tubing and fittings for leaks.
- 1.5 Check pushbutton air diaphragm for holes.
- 1.6 Check servomotor diaphragm center hole for blockage.
- 1.7 Check servomotor upper diaphragm for damage.

**WATER DRIPS / WONT SHUT OFF:**



- 2.1 Check servomotor timer assembly.
- 2.2 Check servomotor diaphragm offset hole for debris.
- 2.3 Check servomotor seat for build-up or damage.
- 2.4 Check servomotor plate and diaphragm for obstruction.

**REDUCED WATER FLOW:**



- 3.1 Check valve riser tubing for crimping.
- 3.2 Inspect checkstop strainer for debris.
- 3.3 Check valve flow control for blockage.
- 3.4 (Washfountains) Check nozzle assembly for debris.

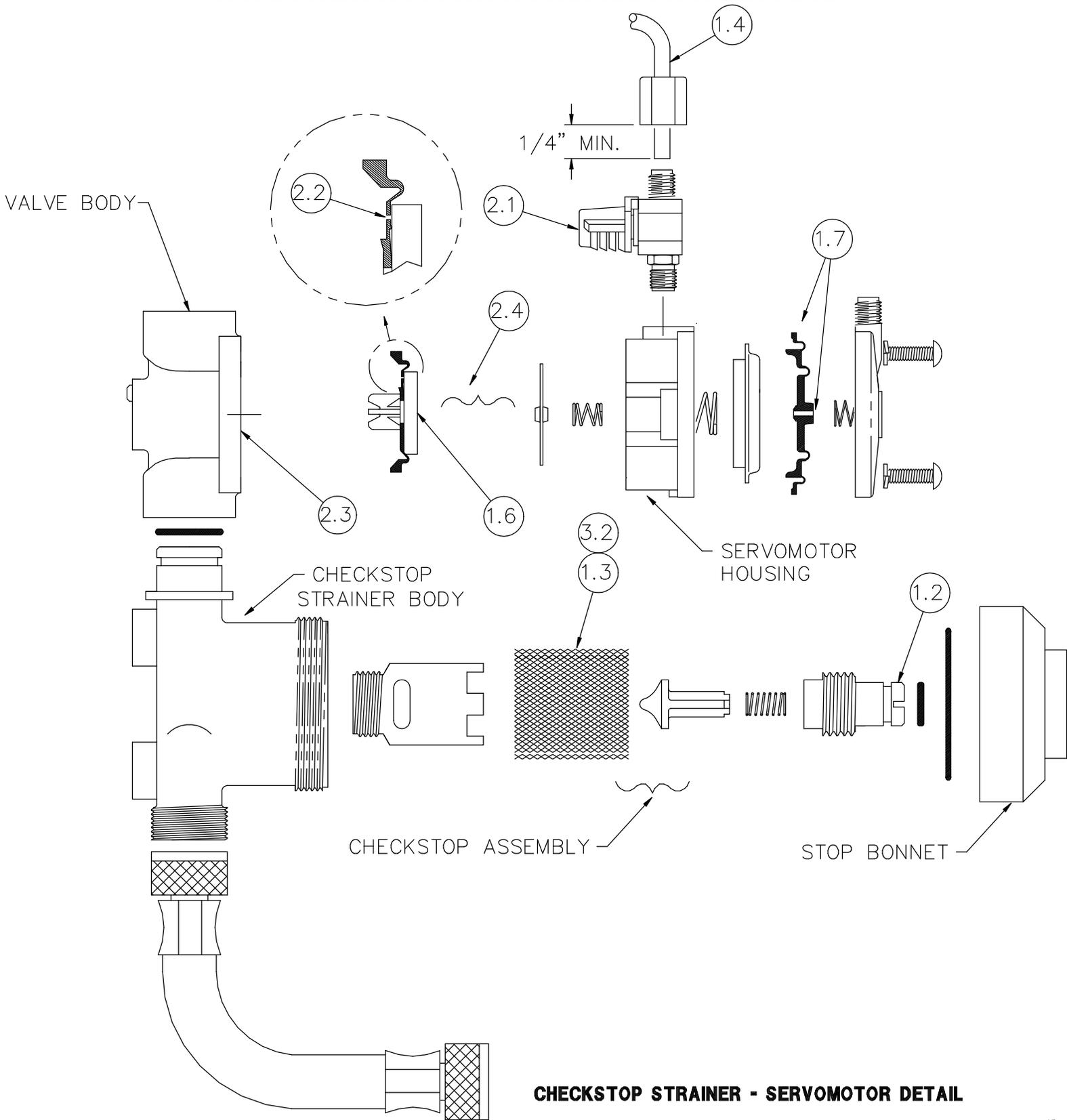
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 Revised 2/2014

Refer to drawing #9940-006-003 for Air-Controlled Valve Maintenance Detail to locate solutions above.  
 Refer to Acorn Operations And Maintenance Manual for installation instructions and repair parts drawings.

|   |  |                                 |                                       |
|---|--|---------------------------------|---------------------------------------|
|  <b>ACORN ENGINEERING COMPANY</b><br>P.O. BOX 3527 INDUSTRY, CA. 91744<br>(626) 336-4561 FAX (626) 961-2200 | TITLE<br><b>AIR-CONTROLLED VALVE MAINTENANCE INSTRUCTIONS - METERING</b> |                                 |                                       |
|   | MANUFACTURE DATE<br><b>APRIL 1994</b><br><b>TO PRESENT</b>               | DATE ISSUED<br><b>8-10-94</b>   | DRAWING NUMBER<br><b>9940-005-002</b> |
|   |  | DATE REVISED<br><b>03/26/01</b> |                                       |



**METERING AIR-CONTROLLED VALVES - (DELAYED ACTING)**



**CHECKSTOP STRAINER - SERVOMOTOR DETAIL**

**ACORN ENGINEERING COMPANY**  
 P.O. BOX 3527 INDUSTRY, CA. 91744  
 (626) 336-4561 FAX (626) 961-2200

|   |                                |                                       |
|---|--------------------------------|---------------------------------------|
| TITLE<br><b>AIR-CONTROLLED VALVES MAINTENANCE INSTRUCTIONS - METERING</b> |                                |                                       |
| MANUFACTURE DATE<br><b>SEPTEMBER 1995<br/>TO PRESENT</b>                  | DATE ISSUED<br><b>03/26/01</b> | DRAWING NUMBER<br><b>9940-006-003</b> |
|   | DATE REVISED                   |                                       |