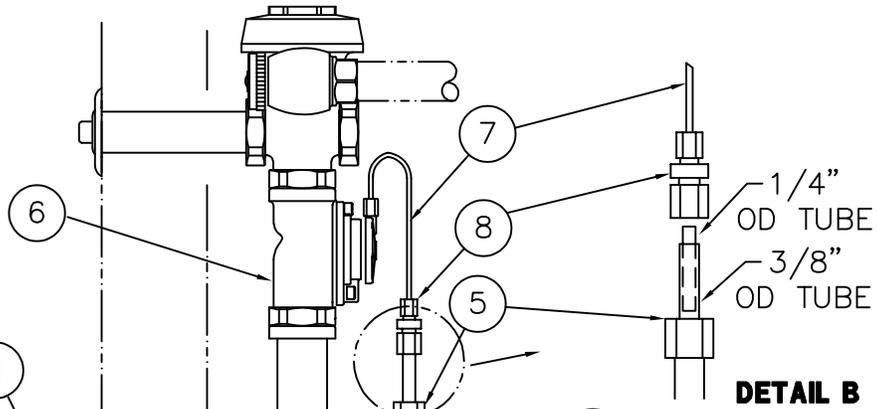
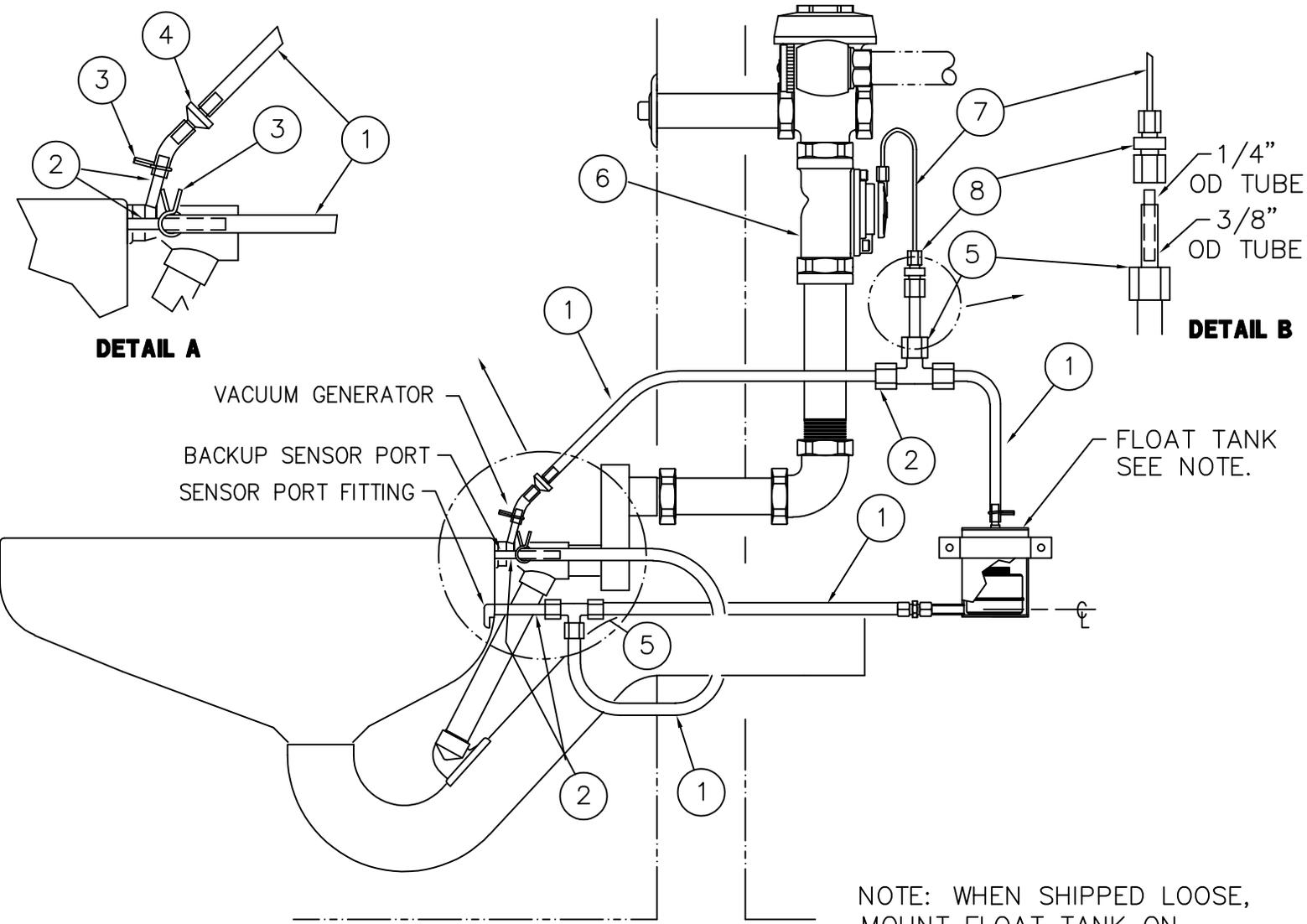


DETAIL A



DETAIL B



INSTALLATION INSTRUCTIONS:

NOTE: MINIMUM 30 PSI FLOW PRESSURE REQUIRED.

A- INSTALL ACORN, FACTORY MODIFIED, PLUMBING FIXTURE WITH CONNECTIONS FOR (-FTA) PER APPLICABLE INSTRUCTIONS.

B- INSTALL FLOOD-TROL VALVE BODY (6) TO BOTTOM OF FLUSH VALVE, INSTALL VACUUM BREAKER TO BOTTOM OF FLOOD-TROL VALVE. WHEN FLUSH VALVE IS NOT ORDERED FROM ACORN, BE AWARE THE VACUUM BREAKER IS 4-5/8" SHORTER THAN STANDARD.

C- INSTALL SENSOR TUBES (1) (3/8" VINYL TUBING) TO PLUMBING FIXTURE STUB-OUTS (2) WITH HOSE CLAMPS (3) AND COMPRESSION FITTINGS (5) PROVIDED. INSTALL (4) CHECK VALVE AS SHOWN IN DETAIL A.

D- CONNECT 1/8" PLASTIC TUBING (7) TO FLOOD-TROL VALVE (6). 1/8" TUBING CONNECTS TO 1/8" x 1/4" UNION (8). SEE DETAIL B FOR 1/4" TO 3/8" TRANSITION.

NOTE: WHEN SHIPPED LOOSE, MOUNT FLOAT TANK ON WALL EVEN WITH SENSOR PORT FITTING

E- FOR MAINTENANCE INSTRUCTIONS REFER TO DRAWING #9940-035-001.

CORE DRILLED WALL APPLICATIONS:

- FOR COMBINATIONS:
LINES (1) TO BE ROUTED THRU LAVY WASTE WALL OPENING.
- FOR TOILETS: (BACK SUPPLY)
LINES (1) TO BE ROUTED THRU FLUSH INLET WALL OPENING.

NOTE: USE TEFLON TAPE ON ALL PIPE CONNECTIONS.

REFERENCE DRAWINGS	
ASSEMBLIES	NUMBER
FLOOD-TROL VALVE (LESS RESET SWITCH)	9955-010-002
AUTO-RESET FLOOD-TROL VALVE	9955-011-001

ACORN ENGINEERING COMPANY
P.O. BOX 3527 Industry, CA 91744
15125 Proctor Ave Industry, CA 91746
(626) 336-4561 FAX (626) 961-2200

TITLE SUFFIX -FTA FLOOD-TROL ASSEMBLY WITH AUTO RESET		
MANUFACTURE DATE FEBRUARY 1994 TO PRESENT	DATE ISSUED 12/05/94	DRAWING NUMBER 9905-095-002
	DATE REVISED 10/24/95	



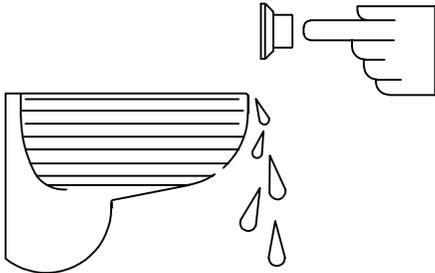
FLOOD-TROL (-FT & -FTA) ANTI-FLOOD SYSTEM VALVE

NORMAL VALVE OPERATION IS IN THE OPEN POSITION UNTIL TRIGGERED CLOSED WHEN A HIGH WATER LEVEL CONDITION IN THE TOILET BOWL IS PRESENT.

CONDITION:

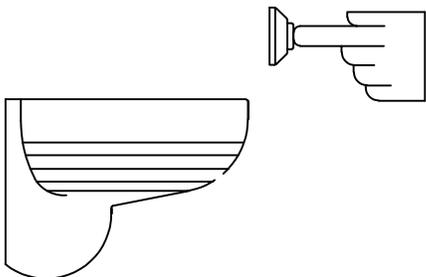
SOLUTION:

WATER KEEPS FLOWING IN AN OVERFLOW CONDITION:



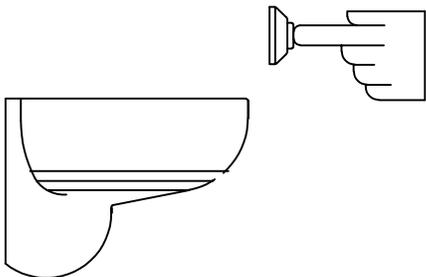
- 1.1 Check all tubing and fittings for leaks.
- 1.2 Check offset hole in lower diaphragm for debris.
- 1.3 Check valve body seat for build-up or damage.
- 1.4 Check pilot orifice plate for debris or damage.
- 1.5 Check float in float tank for freedom of movement (-FTA Auto-reset only).

NO WATER WILL FLOW: (TOILET WILL NOT FLUSH.)



- 2.1 Make sure all water supply stops are open.
- 2.2 Make sure the reset button has been pushed. (-FT Manual reset only).
- 2.3 Check toilet bowl sensor port fitting for debris.
- 2.4 Check center orifice hole in bonnet for debris.
- 2.5 Check pilot orifice (offset) hole in bonnet for debris.
- 2.6 Check flush valve for proper operation.
- 2.7 Check float tank & tubing for debris (-FTA Auto-reset).

PREMATURE WATER SHUTOFF:



- 3.1 Check toilet bowl sensor port fitting for debris.
- 3.2 Check for kinks in the plastic and copper tubing.
- 3.3 Float tank lid orifice clogged (-FTA Auto-reset only).
- 3.4 Check valve defective (-FTA Auto-reset only).

Refer to Acorn Operations And Maintenance Manual for the the following:
 Refer to drawing #9905-090-003 for (-FT) Flood-Trol Installation.
 Refer to drawing #9905-095-002 for (-FTA) Flood-Trol Auto-reset Installation.
 Refer to drawing #9955-010-002 for Parts breakdown of -FT & -FTA valves.
 Refer to drawing #9955-011-001 for Parts breakdown of -FTA valve assembly.

ACORN ENGINEERING COMPANY P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336-4561 FAX (626) 961-2200	TITLE FLOOD-TROL ANTI-FLOOD DEVICE MAINTENANCE INSTRUCTIONS (-FT & -FTA)	
	MANUFACTURE DATE JANUARY 1986 TO PRESENT	DATE ISSUED 10-1-93 DATE REVISED 03/09/09