



NOTE:

A-TIMING IS ADJUSTABLE FROM 5 TO 30 SECONDS. TURN THE SCREW, ITEM #3, CLOCKWISE TO INCREASE TIMING, COUNTER-CLOCKWISE TO DECREASE TIMING. CHANGES IN WATER TEMPERATURE WILL AFFECT TIMING AND MAY REQUIRE READJUSTMENT.

B-CARTRIDGES SHALL BE ASSEMBLED TO VALVE BODIES WITH A MAX OF 35 FT/LBS OF TORQUE. DO NOT OVERTIGHTEN.

SUPPLY WATER WITH HIGH MINERAL CONTENT OR THE PRESENCE OF FOREIGN MATERIALS SUCH AS SAND OR SILT WILL PLUG UP THE FELT WASHER, ITEM #5, AND CAN ULTIMATELY PREVENT SHUTOFF. WEAR OF U-PACKING, ITEM #7, WILL RESULT IN "QUICK-CLOZ" OPERATION. SHOULD THESE CONDITIONS EXIST, ACORN RECOMMENDS REPLACEMENT WITH PN 2302-020-001, WHICH WILL PROVIDE SUPERIOR PERFORMANCE.

1	2305-050-003	CARTRIDGE ASSY -COMPLETE	10	2305-014-000	SLEEVE
2	2305-011-001	CARTRIDGE ASSY -LESS BONNET	11	1380-004-000	SPRING
3	0116-111-000	4-40 x 3/16" LG. RD HD SCREW	12	2305-011-199	ROD
4	0335-001-000	WASHER	13	2305-013-000	O-RING RETAINER
5	0445-001-000	FELT GASKET	14	0409-011-000	BACK-UP RING (2 REQUIRED)
6	2305-051-199	DASHPOT	15	0401-011-000	O-RING
7	0408-001-000	U-PACKING	16	0401-117-000	O-RING
8	2305-004-199	PISTON	17	2305-010-199	BONNET
9	0439-002-000	GASKET DISK			

ITEM	PART NUMBER	DESCRIPTION	ITEM	PART NUMBER	DESCRIPTION
ACORN ENGINEERING COMPANY P.O. BOX 3527 INDUSTRY, CA. 91744 (626) 336-4561 FAX (626) 961-2200		TITLE AUTO-CLOZ (-DF) MECH. METERING CARTRIDGE FOR PENAL-TROL VALVE			
MANUFACTURE DATE APRIL 1973 TO PRESENT		DATE ISSUED 09/01/89 DATE REVISED 6/11/08		DRAWING NUMBER 9955-100-005	