



## **Repair Instructions for Shutoff Models:**

### **DB & B-375-A, GA, AT, & GAT**

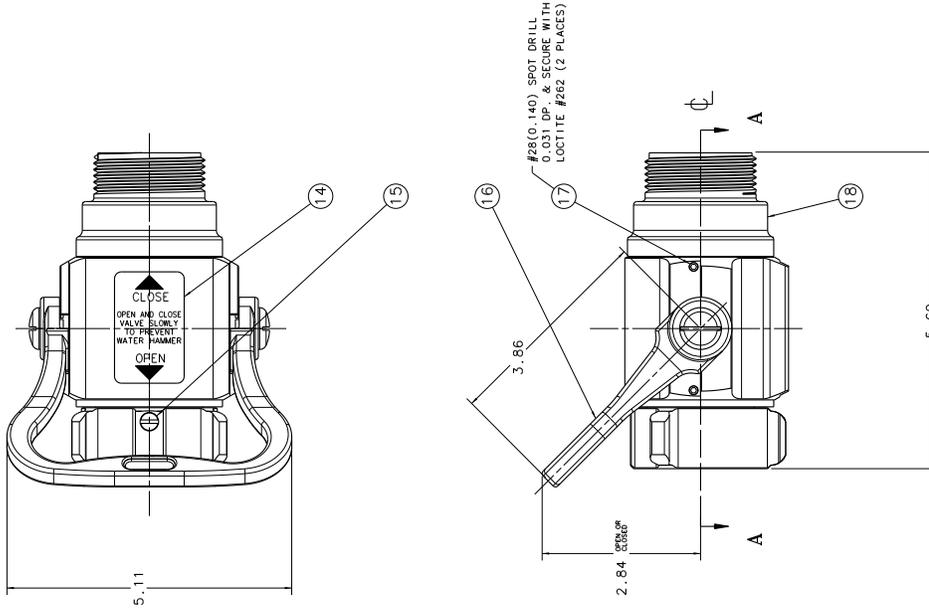
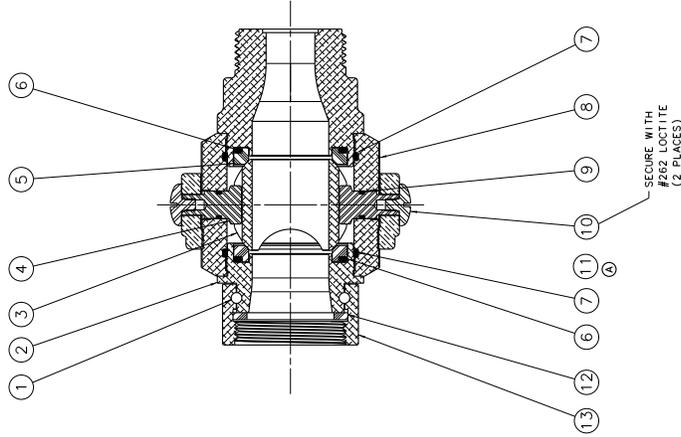
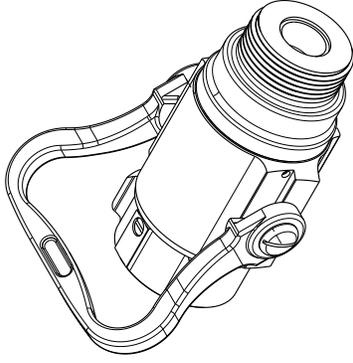
Please refer to the B-375-AT (REV-B) assembly drawing while following these instructions.

**Required items:** Repair kit #81277001 (1 ea.), a large bladed standard screw driver, a 3/32" hex key wrench, #262 (red) Loctite, & Dow Corning #7 silicone grease.

**Note:** All o-rings should be lightly coated with Dow Corning #7 silicone grease prior to installation.

1. Remove the set screw (Item 17) located on the outlet end of the shutoff body (Item 8).
2. Remove the outlet adapter (Item 18) using a strap wrench or equivalent tool.
3. Remove the old adapter o-ring (Item 7) from the shutoff body and discard it.
4. Remove the old seat (Item 5) and o-ring (Item 6) from the outlet adapter and discard them.
5. Place the shutoff handle in the open position, as shown on the assembly drawing, and remove the valve ball (Item 3) by pulling it straight out. Replace the ball if it has any significant scratches or gouges.
6. Remove the actuator shaft screw (Item 10) from one side of the shutoff assembly only.
7. Remove the old actuator shaft (Item 4) by pushing it from the outside into the waterway of the shutoff. Remove and discard the old actuator shaft.
8. Place a new o-ring (Item 9) on a new actuator shaft (Item 4), lightly coat the o-ring and actuator shaft on both sides of o-ring with grease (Dow Corning #7), and insert the square end of the actuator shaft through the shutoff body (Item 8) and into the square hole in the shutoff handle (Item 16). The blade of the actuator that drives the valve ball should be aligned with the blade of the actuator on the opposite side (both blades should align with the centerline of the valve waterway when the shutoff handle is in the open position).
9. Apply #262 Loctite to the thread and reinstall and tighten the actuator shaft screw (Item 10).
10. Remove the actuator shaft screw (Item 10) from the other side of the shutoff assembly.
11. Remove the remaining old actuator shaft (Item 4) by pushing it from the outside into the waterway of the shutoff. Remove and discard the old actuator shaft.
12. Remove the old seat (Item 5) and o-ring (Item 6) from the inlet adapter (Item 2) and discard them.
13. Install a new o-ring (Item 6) and new seat (Item 5) into the inlet adapter as show in the reference drawing.

14. Repeat steps 7 and 8 to install the remaining new actuator shaft and o-ring.
15. With the shutoff handle (Item 16) in the open position insert valve ball so the slots on both sides of the ball slide over the blades of the actuator shafts and push the ball back until it contacts the seat. The full round valve ball can be installed in any orientation. The single cut-away ball must be installed with the cut-away towards the inlet and at the bottom (opposite side from shutoff handle) of the shutoff. The double cut-away ball must be installed either end first but with the cut-aways at the bottom (opposite side from shutoff handle) of the shutoff.
16. Install a new adapter o-ring (Item 7) in the outlet end of the shutoff body (Item 8). (There is an additional adapter o-ring for the inlet end of the shutoff body included in the in the kit. It is not necessary to change this o-ring if the inlet adapter is not removed. To remove the inlet adapter follow the same steps used to remove and install the outlet adapter, steps 1, 2, 3, 17, 18, & 19.)
17. Install a new o-ring (Item 6) and new seat (Item 5) into the outlet adapter (Item 18).
18. Before installing the outlet adapter (Item 18) please notice that there is a spot on the fine threads of the outlet adapter where a drill has been used to remove the male threads. This spot drill is there so that the set screw used to secure the adapter will not damage the male threads when tightened against the outlet adapter. If the set screw were to be tightened against the male threads of the outlet adapter, the threads would be damaged making future removal of the adapter difficult or impossible.
19. Install the outlet adapter (Item 18). Screw the outlet adapter in until the spot drill lines up with the set screw hole in the shutoff body (Item 8). Apply #262 Loctite, install, and tighten set screw (Item 17) making sure set screw tightens against spot drill on outlet adapter.



18	10837001	ADAPTER-TIP 1-1/4 DISC	1
18	10836001	ADAPTER-TIP 1-1/8 DISC	1
18	10835001	ADAPTER-TIP 1.0 DISC	1
18	10834001	ADAPTER-TIP 15/16 DISC	1
18	10833001	ADAPTER-TIP 7/8 DISC	1

AVAILABLE DISCHARGES (CHOOSE ONE)

A	17	61269000	SET SCREW 10-32 X 0.250LC	506	N6	2
A	16	36684005	HANDLE-HORSHOE LBL S17/DRV1			1
	15	63674000	6.3125" SW. 6.18" BLK			1
	14	442283000	WATER HAMMER LABEL			1
	13	63068001	SWIVEL-B/C 3/8"(1.5" NH)			1
A	12	33074000	2.0000" X 0.1250" X 0.1250" NK			1
A	11					
A	10	61286000	ACTUATOR SHAFT SCREW 2			2
	9	157298000	6.314" ID X 0.010" CS			2
	8	17748001	BODY-SHUTOFF N/S			2
	7	157324000	6-RING AS-568-140 2.237" ID X 0.103" CS			2
	6	157309000	1.314" ID X 0.18" CS			2
A	5	633663000	VALVE SEAT (HAMPE)			2
	4	65305000	ACTUATOR SHAFT N/S			2
B	3	17326001	VALVE BALL-1.375 D/O AL			1
	2	11626001	ADAPTER-SWIVEL N/S			1
	1	15018000	BALLS-0.187 DIA. S/S			32

B		21	10837001	ADAPTER-TIP 1-1/4 DISC	1
B		21	10836001	ADAPTER-TIP 1-1/8 DISC	1
B		21	10835001	ADAPTER-TIP 1.0 DISC	1
B		21	10834001	ADAPTER-TIP 15/16 DISC	1
B		21	10833001	ADAPTER-TIP 7/8 DISC	1
B		21	10832001	ADAPTER-TIP 3/4 DISC	1
B		21	10831001	ADAPTER-TIP 1/2 DISC	1
B		21	10830001	ADAPTER-TIP 1/4 DISC	1
B		21	10829001	ADAPTER-TIP 1/8 DISC	1
B		21	10828001	ADAPTER-TIP 1/16 DISC	1
B		21	10827001	ADAPTER-TIP 1/32 DISC	1
B		21	10826001	ADAPTER-TIP 1/64 DISC	1
B		21	10825001	ADAPTER-TIP 1/128 DISC	1
B		21	10824001	ADAPTER-TIP 1/256 DISC	1
B		21	10823001	ADAPTER-TIP 1/512 DISC	1
B		21	10822001	ADAPTER-TIP 1/1024 DISC	1
B		21	10821001	ADAPTER-TIP 1/2048 DISC	1
B		21	10820001	ADAPTER-TIP 1/4096 DISC	1
B		21	10819001	ADAPTER-TIP 1/8192 DISC	1
B		21	10818001	ADAPTER-TIP 1/16384 DISC	1
B		21	10817001	ADAPTER-TIP 1/32768 DISC	1
B		21	10816001	ADAPTER-TIP 1/65536 DISC	1
B		21	10815001	ADAPTER-TIP 1/131072 DISC	1
B		21	10814001	ADAPTER-TIP 1/262144 DISC	1
B		21	10813001	ADAPTER-TIP 1/524288 DISC	1
B		21	10812001	ADAPTER-TIP 1/1048576 DISC	1
B		21	10811001	ADAPTER-TIP 1/2097152 DISC	1
B		21	10810001	ADAPTER-TIP 1/4194304 DISC	1
B		21	10809001	ADAPTER-TIP 1/8388608 DISC	1
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B		21	10807001	ADAPTER-TIP 1/33554432 DISC	1
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