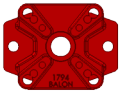














BALON CORPORATION

Actuation Mounting Package Instructions



Actuation Mounting Package Contents

Part Picture	Part Name	Quantity
	Balon Actuation Bracket	1
	Bracket Fastener	1
	Bracket Fastener Nut	4
	Internal Tooth Lock Washer	2
	Balon Driver	1
	Weather Seal (Yellow)	1
	Alignment Bushing (White)	1
	Retainer/Snap Ring	1
	Grease Applicator	1

Required Tools (NOT PROVIDED)

Tool Name	Tool Picture
File	
Flathead Screwdriver	
Combination Wrench	
Snap Ring Pliers	

For Actuation Mounting

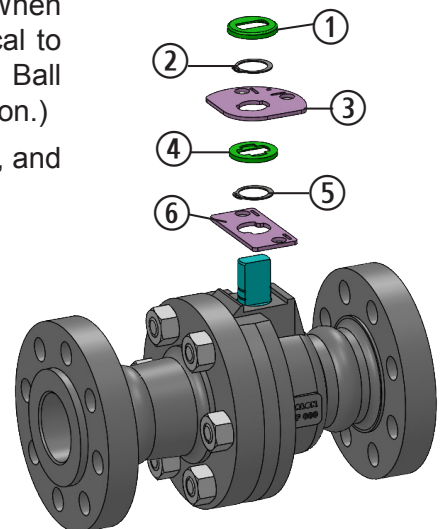
	Hex Head Cap Screw (Actuator)	4 x 4
	Washer (Actuator)	2 x 4

ITEM	PART NAME
1	Weather Seal
2	Lock Plate Retainer
3	Lock Plate
4	Dust-Cover
5	Stop Plate Retainer
6	Stop Plate

Top Works Preparation Instructions:

1. If possible operate the valve into the closed position. (NOTE: When performing installation on a valve in service, it might not be practical to operate the valve into the closed position. If necessary, the Balon Ball Valve Actuator Bracket may be installed on a valve in the open position.)
2. If the valve has been in service, use a file to remove paint, corrosion, and burrs from the stem.
3. Verify that the driver fits by trial-mounting it onto the stem.
4. Carefully remove stem top works. (See Illustration 1)

Illustration 1



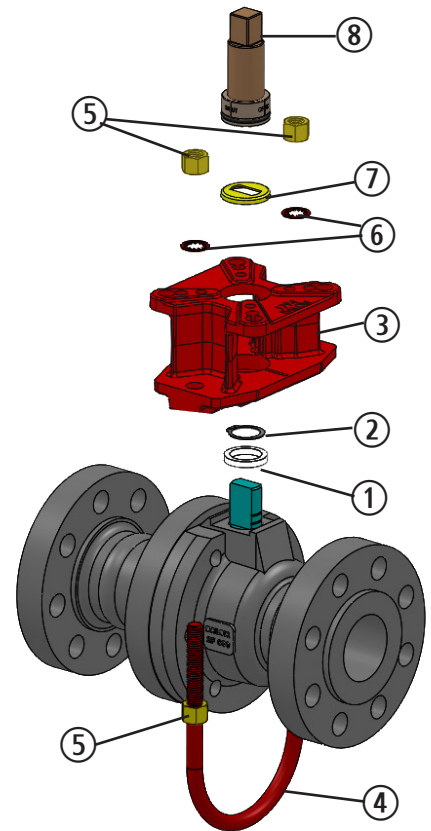
BALON CORPORATION

Actuation Mounting Package Instructions

Mounting Bracket Installation Instructions:

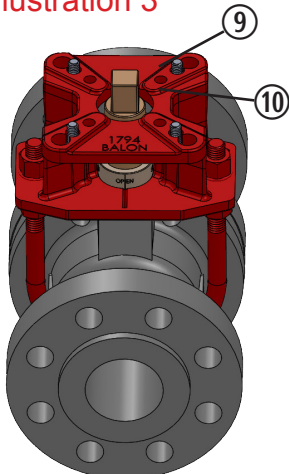
1. Place the alignment bushing over the valve stem pushing it all the way down to the valve body and securing with snap ring. Assure the snap ring is fully engaged in the lower snap ring groove.
2. To prevent the encroachment of water, apply some of the supplied grease into the void between the alignment bushing and the lower end of the stem.
3. Install the actuator bracket. Assure that it slips over the alignment bushing and engages into the milled slot at the top of the valve.
4. Install the bracket fastener so that the threaded ends engage the bolt holes in the actuator bracket. Assure that the lower bracket fastener nuts are positioned well below the bottom of the actuator bracket and do not interfere with the subsequent tightening of the actuator bracket.
5. Install the lock washers and bracket fastener nuts onto the bracket fastener and tighten both upper nuts by alternating side to side, until wrench tight. Check to assure the actuator bracket is flat and evenly engaged in the milled slot.
6. Tighten the lower bracket fastener nuts against the bottom of the actuator bracket.
7. Apply a generous amount of the supplied grease onto the flats of the stem. Force the grease downward by installing the weather seal over the stem.
8. Apply some of the supplied grease to the o-ring on the driver, then push the driver down firmly on the stem. (See Illustration 2)

Illustration 2



ITEM	PART NAME
1	Alignment Bushing (White)
2	Snap Ring
3	Actuator Bracket
4	Bracket Fastener
5	Bracket Fastener Nuts
6	Internal Tooth Lock Washer
7	Weather Seal (Yellow)
8	Driver
9	Hex Head Cap Screws (Actuator)
10	Washers (Actuator)

Illustration 3



Actuator Installation Instructions:

1. Assure that the valve is in the correct position (open or closed) appropriate to the style of actuator being installed. Assure that the actuator position indicator matches the position of the valve (See Illustration 3). For details regarding the installation and operation of specific actuators, please contact the actuator manufacturer.
2. Secure the actuator by installing four lock washers and hex head bolts appropriate to the specific actuator.