

DIRECTIONS FOR ARMATURE STOP ADJUSTMENTS FOR SOLENOID OPERATED DIRECTOVALVE □ CONTROL VALVES

144, 144H, 144A, 145, 145H, 146 Valves

1. Unscrew jam nut by turning it counter-clockwise.
2. Screw the armature stop down clockwise until solid contact is made with the armature. This can be noticed by observing slight movement of the lower diaphragm piston.
3. Back out armature stop by turning counter-clockwise. (See table below for number of turns).
4. Lock jam nut in place by turning it clockwise, while holding armature stop in position.
5. Stroke can be checked by measuring the travel of the lower diaphragm piston. (See table for stroke length.)

144-1-3, 144A-1-3, 144F-1-3 Valves

1. Unscrew jam nut by turning it counter-clockwise.
2. Unscrew armature stop by turning it counter-clockwise until it stops.
3. Push up on lower diaphragm piston, by inserting nail punch into hole in bottom holder, until you feel the seat washer make contact with the body-seating surface.
4. While holding the lower diaphragm piston up, turn the armature stop clockwise until it makes solid contact with the armature.
5. Back out armature stop by turning counter-clockwise. (See table for number of turns).
6. Lock jam nut by turning it clockwise.

VALVE No.	No. OF ARMATURE STOP TURNS	APPROXIMATE STROKE LENGTH
144	2	1/8" (3.2 mm)
144H	1	5/64" (2 mm)
144A	2	7/64" (2.8 mm)
145	3	3/16" (4.8 mm)
145H	3	11/64" (4.4 mm)
146	5	" (6.4 mm)
144-1-3	1/8	N/A
144A-1-3	1/8	N/A
144F-1-3	1/8	N/A

NOTE: 1 TURN OF THE ARMATURE STOP IS EQUAL TO 360 OF ROTATION.

TOOLS NEEDED FOR ADJUSTMENT

1. Adjustable wrench
2. Flat head screwdriver
3. Nail punch