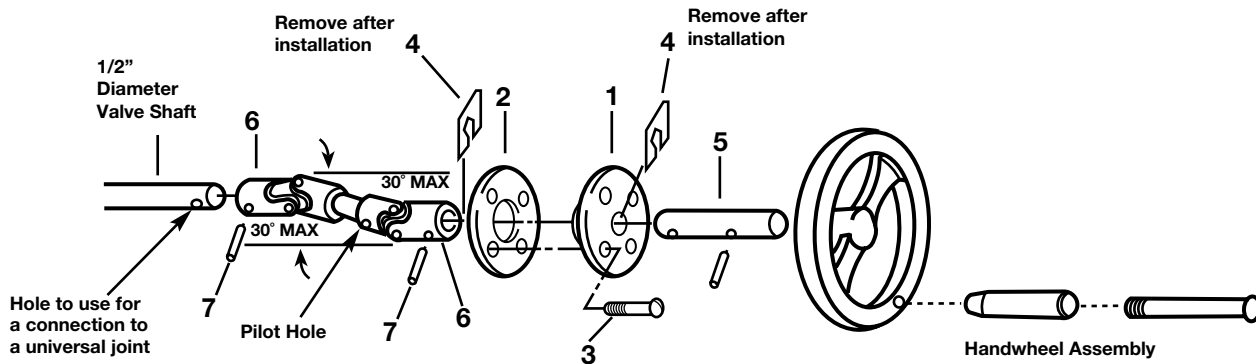




ASSEMBLY INSTRUCTIONS FOR REMOTE HANDLE ACTUATION

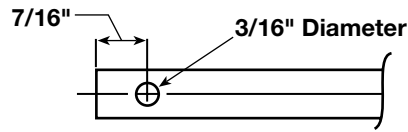
Akron's Remote gear actuator is designed to operate 2" through 3-1/2" and Style 8840 Swing-Out Valves. The following handwheel assembly instructions are provided to assist in assembly.



REMOTE ACTUATOR

1. Select the position for the handwheel Bracket (1) on the pump control panel and drill a 1-1/16" diameter hole for the Handwheel Bracket.
CAUTION: Before drilling the hole, ensure the angle of the Universal Joint will not exceed 30 degrees.
2. Insert the handwheel Bracket into the hole. Align the Handwheel Bracket with the screw holes in the desired orientation and mark their positions. Remove the Handwheel Bracket and drill four 9/32" diameter screw holes.
3. Re-insert the Handwheel Bracket and slide the Back Plate (2) on the back of the Handwheel Bracket behind the control panel. Using a screwdriver, snug up the Handwheel Bracket and Back Plate together using the four Screws (3) supplied.
4. Place one Spacer (4) over the Handwheel Shaft (5) and insert the shaft through the Handwheel Bracket. Place the second Spacer over the Handwheel Shaft on the Universal Joint side of the Back Plate. Slide the Universal Joint (6) over the shaft and attach the Universal Joint to the Handwheel Shaft with the Roll Pin (7).
CAUTION: Hold a block of wood or steel against the opposite side of the Universal Joint as a "back-up" when driving in the Roll Pin.
5. Measure the distance between the Universal Joint attached to the gear drive shaft and the Universal Joint attached to the Handwheel Shaft. The connecting rod should be inserted 3/4" into each Universal Joint. Cut the user supplied 1/2" diameter connecting rod to length.

6. Match drill a 3/16" diameter hole through one end of the connecting rod, on center, as shown.
CAUTION: The hole must be drilled on center and straight through the rod. If the hole is not drilled properly, difficulties will be encountered when installing the roll pin that secures the rod and Universal Joint together.



7. Loosen the screws from the Handwheel Bracket and pull out the Handwheel to install the connecting rod. Temporarily insert a 3/16" diameter screw through the Universal Joint and connecting rod at the drilled end of the connecting rod.
8. Snug up Screws to pull the assembly back together.
9. Mark through the 3/16" diameter hole in the Universal Joint on the opposite end to locate where the second 3/16" diameter hole should be drilled in the connecting rod.
10. Remove the 3/16" screw holding the Universal Joint and connecting rod together. Loosen screws and slide the Handwheel Assembly back so the connecting rod can be removed.
11. Drill the second hole in the connecting rod where it is marked.
12. Reinstall the connecting rod.
13. Install Roll Pins through both ends of the connecting rod to secure the connecting rod to the Universal Joints.
NOTE: Hold a block of wood or steel against the opposite side of the Universal Joint as a "back-up" when driving in the roll pins.
14. Remove and discard both Spacers and tighten up the Screws.
NOTE: After tightening Screws, be sure there are gaps between the Handwheel face and the face of the Handwheel Bracket. And between the face at the back of the Handwheel Bracket and the face of the Universal Joint. This will ensure that there is no binding in the connecting rod.

PARTS LIST

ITEM NO.	DESCRIPTION	PART NUMBER	QUANTITY
1	Handwheel Bracket	109277	1
2	Back Plate	7-43-001	1
3	Oval Head Screw	7-63-063	4
4	Spacer	7-68-259	2
5	Remote Shaft	7-69-480	1
6	Universal Joint	106721	2
7	Roll Pin	7-44-084	5



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