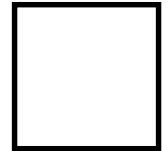


ASSEMBLY INSTRUCTIONS

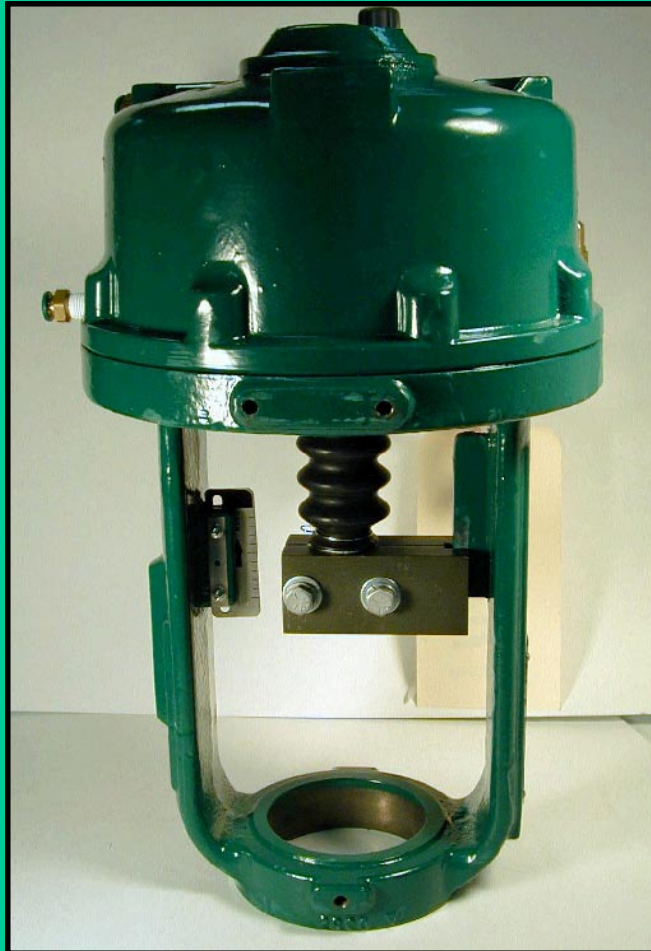
LINEAR VALVE ACTUATORS

Fisher Type 585C



PN25018

TZID-C Mounting Kit For Fisher Type 585C Double Acting Piston Linear Valve Actuator With Spring Return

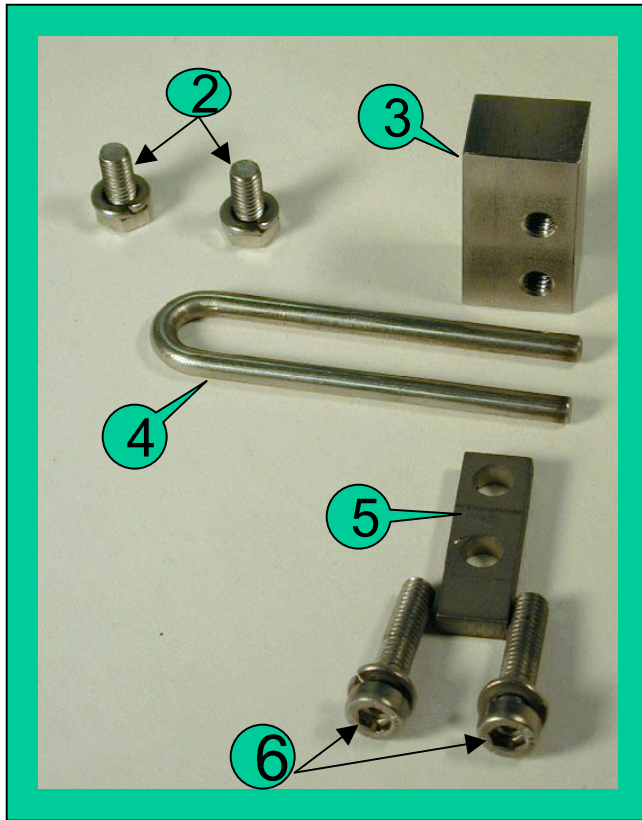


A Fisher Type 585C Piston Actuator With Spring Return is shown in the photo on the left. These instructions will provide the information necessary to mount the ABB type TZID-C Smart Positioner on this Actuator.



1. With the actuator mounted on the valve and the valve stem threaded into the split block coupling to the appropriate depth, install bracket, Item 1, onto the stem coupling block as shown using the bolts supplied with the coupling block. Torque the stem coupling bolts to the value specified by Fisher.

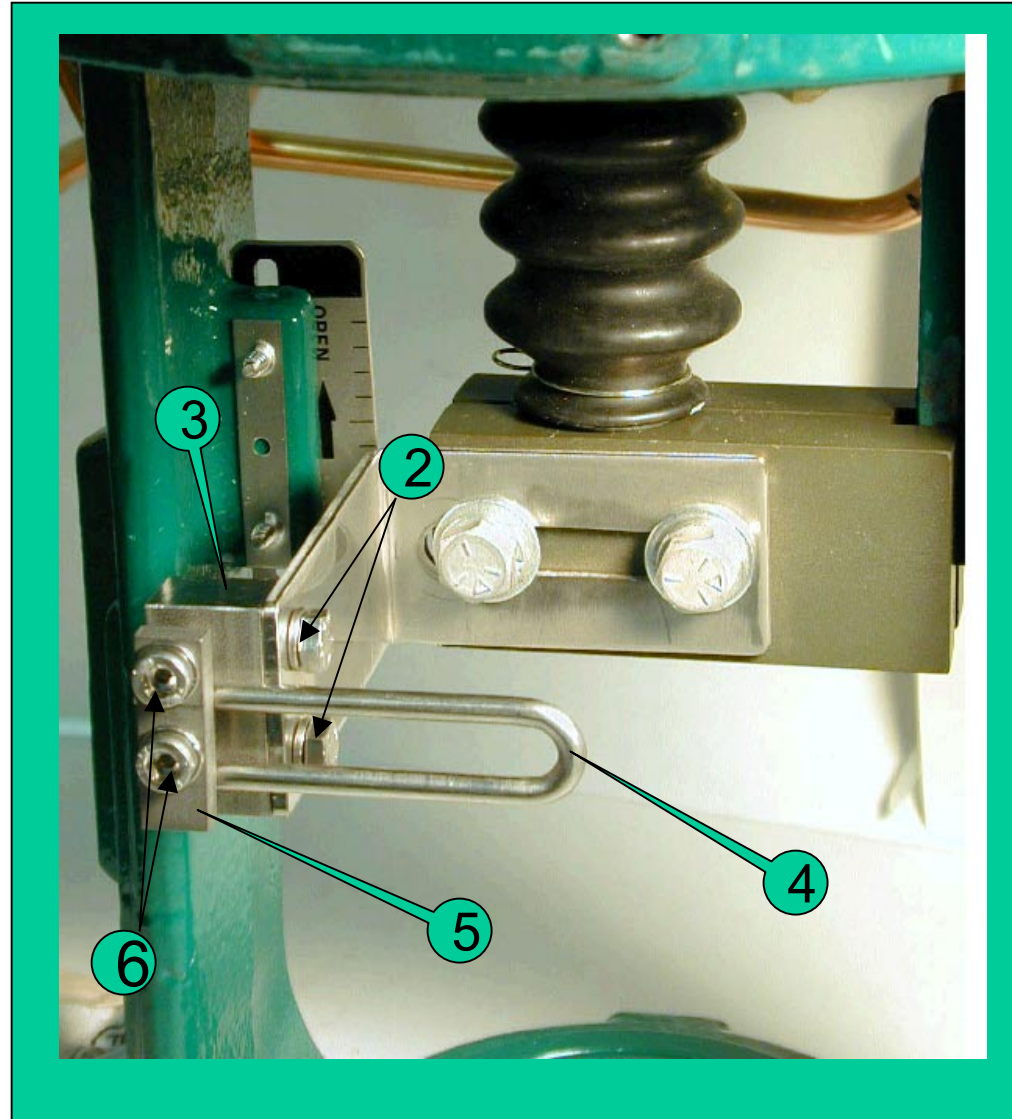
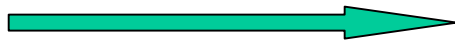
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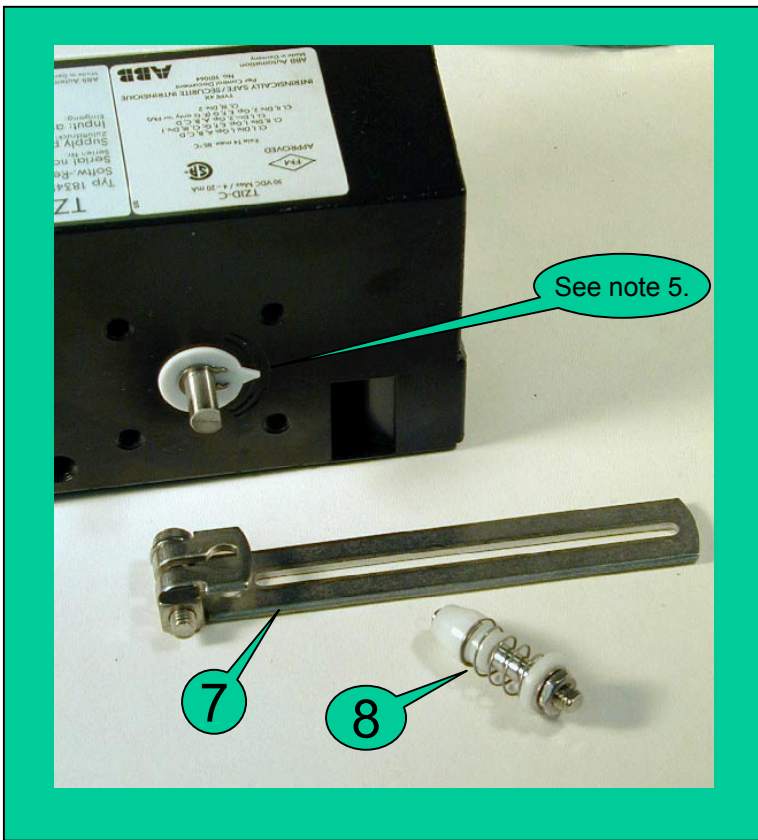


2. Locate the components; Items 2, 3, 4, 5 & 6 that get mounted to the bracket Item 1.



3. Mount them to the bracket, Item 1, as shown.



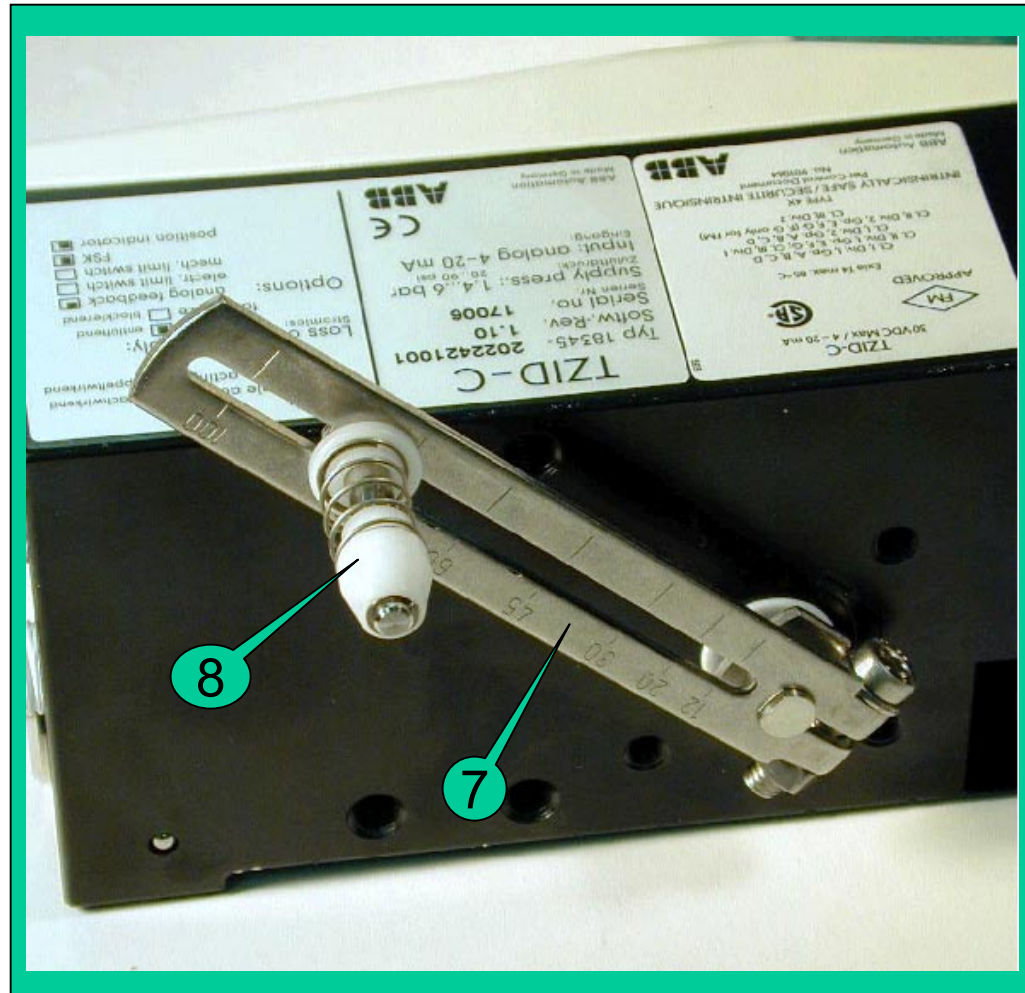


4. Locate the positioner lever arm, Item 7, and the spring loaded slider assembly, Item 8. Note the stroke length markings on the positioner lever arm.

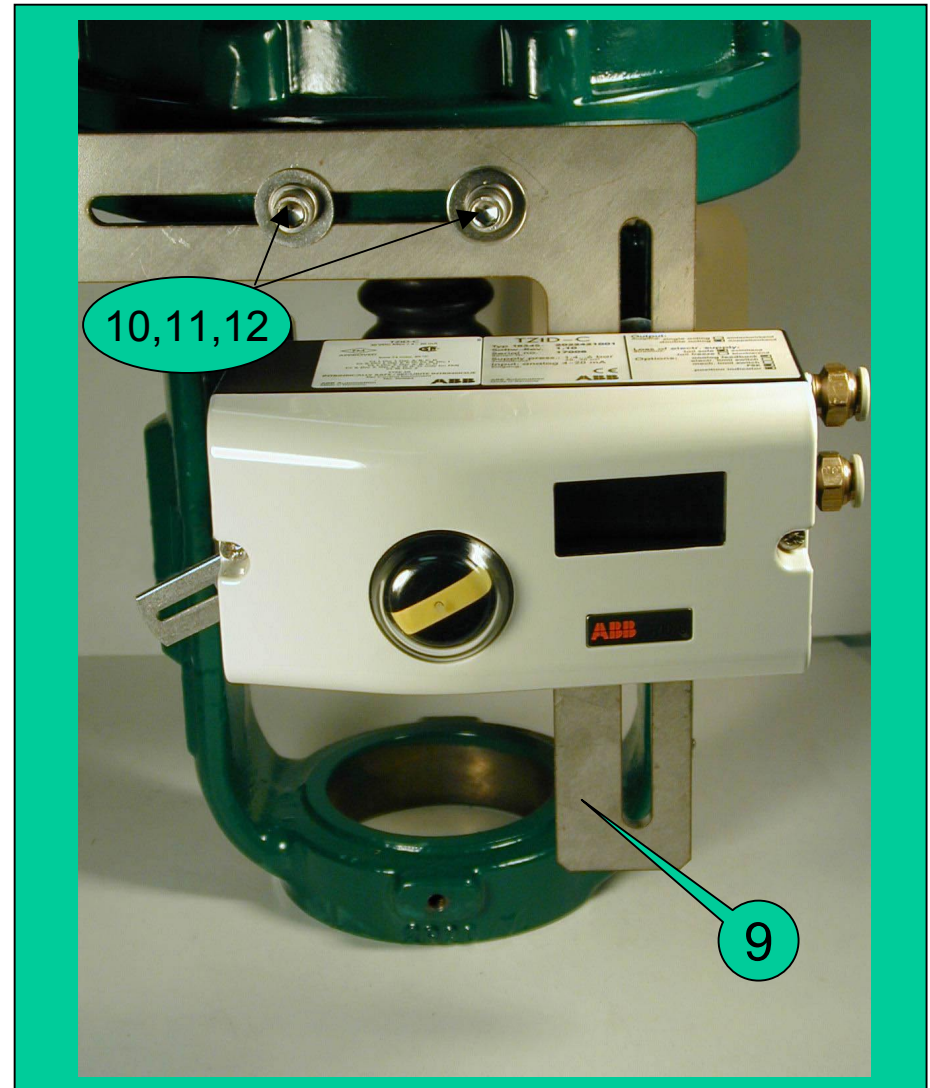
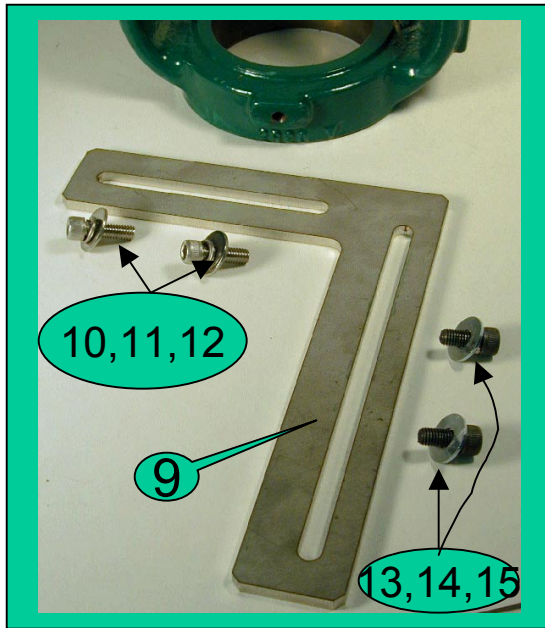


5. Mount the spring loaded slider assembly onto the positioner drive lever at a radius marking equal to or a little less than the valve stroke. The markings on the drive lever are in mm.

The objective is to have the lever move +/- 45° (max.), (+/- 30o min.)for full stroke of the valve while keeping the white pointer (above) within it's boundary markings.



6. Locate the “L” shaped bracket, Item 9 , The two bolts, flat and lock washers (Items 10, 11 & 12) to bolt the bracket to the actuator yoke, and the two metric bolts, flat and lock washers (Items 13, 14 & 15) to bolt the positioner to the “L” bracket.



7. Mount the positioner to the L bracket (long side) as shown, but leave the bolts finger tight. Next mount the “L” bracket to the actuator, making sure the slider pin on the positioner lever engages in the loop (view 7A).



View 7A

8. Center the positioner vertically so that the lever arm is horizontal when the valve is at 50% position. Tighten positioner mounting bolts.

9. Move the positioner mounting “L” bracket horizontally so the slider pin is roughly centered in the loop of Item 4.



10. Tighten the allen head bolts clamping the “L” bracket to the Actuator.

11. Complete the tubing and electrical connections, then calibrate per TZID-C instructions.





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