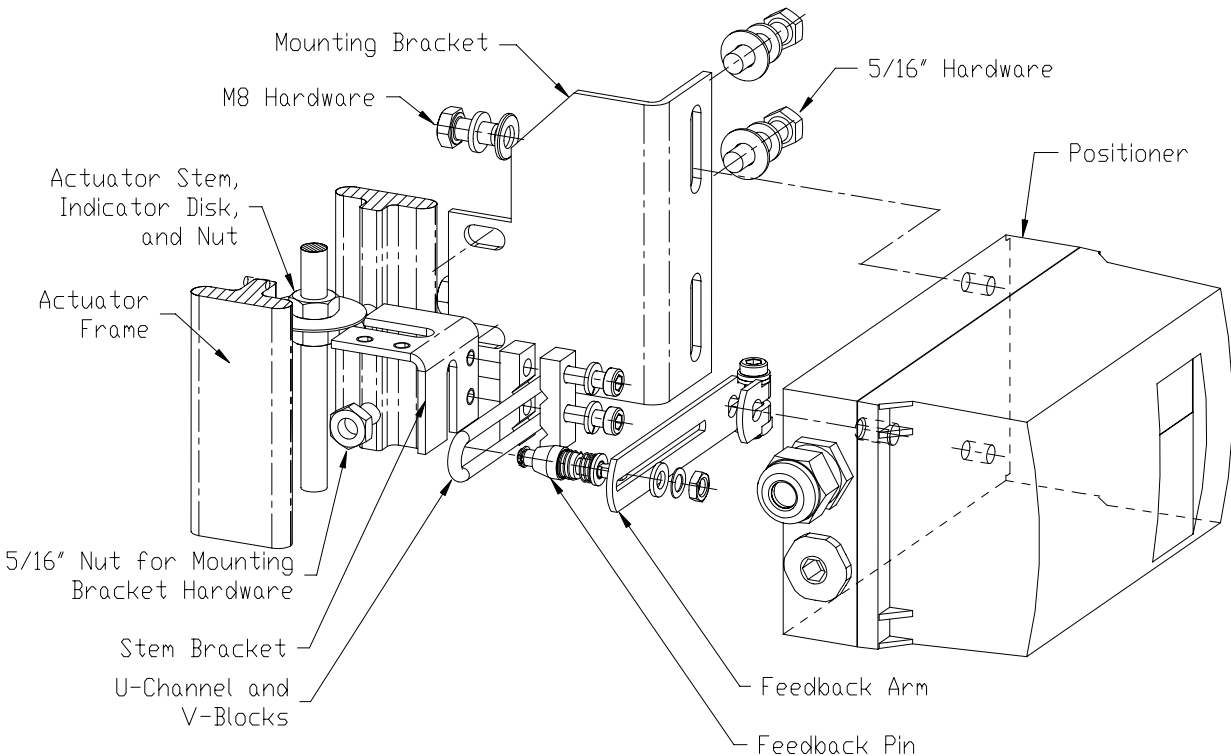


**KIT PN - TGX:16152-520**

**15900-658**  
Rev 2  
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Supersedes Rev 1

**MOUNTING THE SIPART PS2 VALVE POSITIONER ON A  
BAUMANN 32/54/70 OR WARREN SIZE 49 VALVE ACTUATOR**

This publication provides installation instructions to mount a Siemens SIPART® PS2 valve positioner to an above Baumann or Warren valve actuator and to install the mechanical feedback linkage. A typical installation is shown below.



**Drawing Note:**

Feedback linkage parts (e.g. feedback arm, U-channel) are supplied in Siemens Kit PN 6DR4004-8VL.

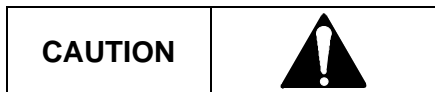
**PARTS, KIT TGX:16152-520**

Description	Quantity
Mounting Bracket	1
5/16-18 x 1-1/2" Hex Head Screw	2
5/16" Split Lockwasher	2
5/16" Flat Washer	2
Stem Bracket	1
M8 x 16 Bolt	2
M8 Flat Washer	2
M8 Split Lockwasher	2

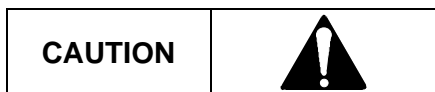
**INSTALLATION**

Refer to the following procedure and to the positioner and actuator installation instructions while performing the installation. The current revision of the positioner instruction is available at the Siemens Internet site. See Contact Information later in this Instruction for the URL.

Before beginning the installation, note the following cautions.



Do not apply supply pressure to the actuator or the valve positioner during the installation process. Applying supply pressure before the equipment is properly mounted could cause unexpected movement that could lead to personal injury or equipment damage.



Do not exceed the maximum actuator and valve positioner air pressures stated in the manufacturer's literature. Exceeding these ratings could cause personal injury or equipment damage.

1. Refer to the figure on page 1 and loosen the actuator nut above the indicator disk.
2. Get the stem bracket from the TGX:16152-520 kit. The bracket will straddle the actuator stem and has slots of two different widths. Orient the bracket for the closest fit to the actuator stem and place the bracket between the indicator disk and lower stem nut.
3. From the 6DR4004-8VL kit, get two M6 bolts and lockwashers, two V-blocks, and the U-channel. Assemble as shown on page 1.
4. From the 6DR4004-8VL kit, get the feedback arm, feedback pin, and a nut and lockwasher to mount the pin. Fasten the feedback pin to the feedback arm. Tighten the hardware just enough to hold the pin in place.
5. Fasten the feedback arm to the PS2 input shaft as shown.
6. Fasten the mounting bracket to the actuator frame using two 5/16" bolts, lockwashers and nuts.
7. From the TGX:16152-520 kit, get two M8 bolts, flat washers and split lockwashers.
8. Read the "Important" note below and then fasten the PS2 to the mounting bracket using the above M8 hardware, while engaging the feedback pin in the U-channel. Slide the positioner along the bracket's slotted holes until the feedback arm is approximately perpendicular to the valve stem at the 50% stroke position. If necessary, adjust the mounting bracket

location by loosening the 5/16" bolts. The feedback pin must move freely inside the U-channel throughout the actuator stroke.

### IMPORTANT

While attaching the positioner mounting bracket, be sure the feedback pin is inserted into the U-channel. The spring in the feedback pin should be compressed approximately 3/16" to 1/4" (4.5mm to 6.5mm).

9. Tighten all hardware.
10. Read the "Cautions" on page 2 and then apply the appropriate air pressures to fully stroke the valve. Exercise the positioner/actuator assembly to ensure that:
  - The feedback linkage does not prevent the valve from fully stroking.
  - The locator pin moves freely within the U-channel for the entire valve stroke. Adjust the pin and U-channel positions as necessary.
  - All linkage hardware is secure.
11. Once the feedback arm moves freely for the entire stroke, make necessary electrical and pneumatic connections and then proceed to the PS2 setup instruction found within the PS2 manual.

### CONTACT INFORMATION

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	Hours of Operation	8 a.m. to 4:45 p.m. eastern time Monday – Friday (except holidays)
	Public Internet Site	<a href="http://www.sea.siemens.com/ia/">www.sea.siemens.com/ia/</a>
	Repair Service	+1 215 646 7400 extension 3187

For contact information outside the U.S.A., visit the Siemens public Internet site shown above. Locate "Customer Support Process Instrumentation" and click on the Contact Tech Support link to access the Global Support link.

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