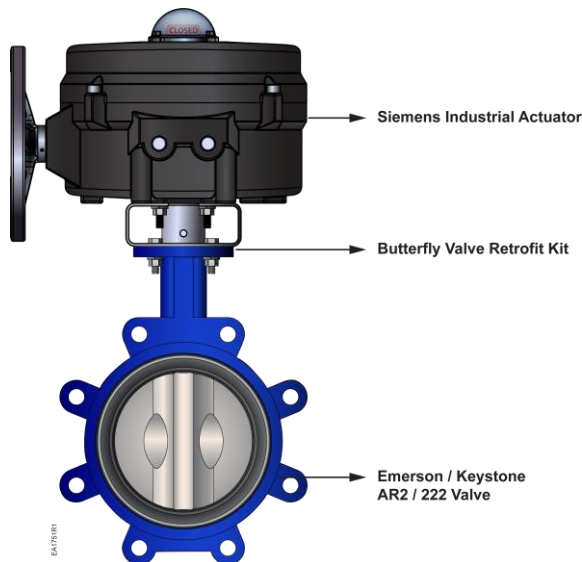


Butterfly Valve Retrofit Kit

Product Description

Siemens butterfly valve retrofit kits include components to retrofit a Siemens A-Series Industrial Actuator onto an existing Emerson/Keystone butterfly valve.



Contents and Materials

Retrofit Kit Number	Contents	Material
	Coupler BF-RKC-2	#45 Steel
	Set Screw	Zinc Plated Carbon Steel
	Adapter BF-RKC-2A	Sintered FC-0808
	Stud	Zinc Plated Carbon Steel
	Bracket BF-RKB-2	Carbon Steel
	Bolt	Zinc Plated Carbon Steel
	Nut	Stainless Steel
	Lock Washer	Stainless Steel
		Sleeve Adapter C1WH
Sleeve Adapter B2WH		Sintered FC-0808
Coupler BF-RKC-2		#45 Steel
Set Screw		Zinc Plated Carbon Steel
Stud		Zinc Plated Carbon Steel
Bracket BF-RKB-2		Carbon Steel
Bolt		Zinc Plated Carbon Steel
Nut		Stainless Steel
Lock Washer		Stainless Steel
	Adaptor	Sintered FC-0808
	Sleeve Adapter	Sintered FC-0808
	Stud	Zinc Plated Carbon Steel
	Lock Washer	Stainless Steel
	Nut	Stainless Steel
	Coupler RKC-3A	Chrome Molly
	Stud	Zinc Plated Carbon Steel
	Lock Washer	Stainless Steel
	Nut	Stainless Steel



Selection Guidelines

- Identify the size of Emerson butterfly valve.
- Based on the size, choose the correct retrofit kit (599-10072, 599-10062, 599-10074 or 599-10073) and the appropriate Siemens A-Series industrial actuator from the table below.
- When ordering the actuator, replace XXX with the following:
 - 126 for 24V On/Off
 - 166 for 24V Modulating
 - 226 for 120V On/Off
 - 266 for 120V Modulating

Product Numbers

Emerson/Keystone Valve Size	Retrofit Kit Number	Siemens Actuator Part Number
2" full cut	599-10072	AXXX.530
2.5" full cut		
3" full cut		
4" full cut	599-10062	AXXX.2K
4" under cut		AXXX.530
5" full cut		AXXX.2K
5" under cut		AXXX.530
6" full cut		AXXX.2K
6" under cut		AXXX.2K
8" full cut	599-10074	AXXX.5K
8" under cut		AXXX.2K
10" full cut	599-10073	AXXX.6K
10" under cut		AXXX.5K
12" full cut		AXXX.13K
12" under cut		AXXX.5K

Warning/Caution Notations

WARNING:		Personal injury or loss of life may occur if you do not follow the procedures as specified.
CAUTION:		Equipment damage or loss of data may occur if you do not follow the procedures as specified.

Required Tools

- Anti-Seize Lubricant (such as Loctite LB 8008™)
- Channellock Pliers
- 5/32" Allen Wrench
- 1/2" Wrenches (2)
- 3/4" Wrenches (2) for AXXX 5,6 & 13K Actuators

Expected Installation Time

15 minutes

Prerequisites



CAUTION:
Shut off the line flow through the valve before proceeding.

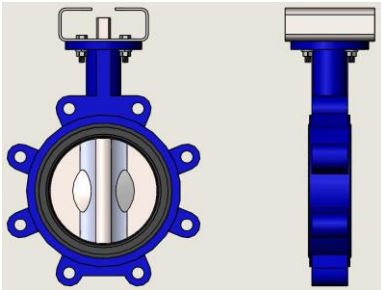
- Wear safety glasses and all other appropriate safety equipment before performing any of the listed tasks.
- Remove existing actuator and all linkages from valve.
- Clean dust and residue from valve stem and bonnet.
- Ensure all components are present before assembly.
- Thoroughly review these instructions before proceeding.

Installation

Assemble Kit to Valve

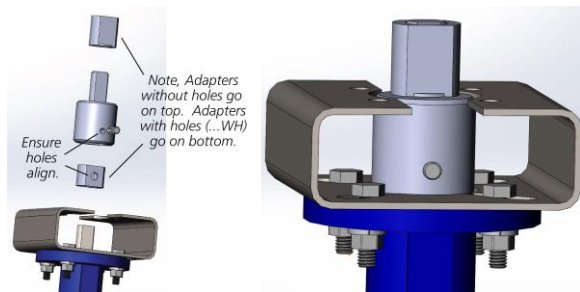
Bracket Installation

Mount the adapter bracket to the valve. Keep the nuts loose to help with actuator alignment.



Coupler and Adapter Installation

1. Apply anti-seize lubricant to all contact surfaces of the couplers.
2. Assemble the applicable couplers on the valve stem.

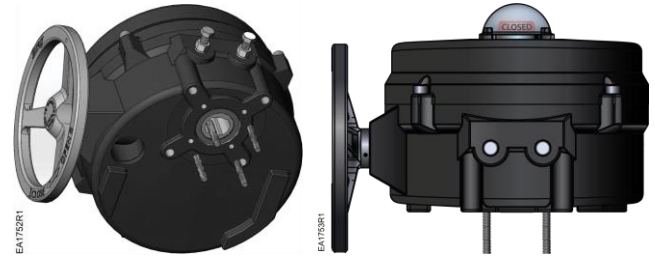


CAUTION:
If the set screws are not properly aligned, damage may occur to the valve, the actuator or both when actuator is engaged.

Assemble Actuator to Kit

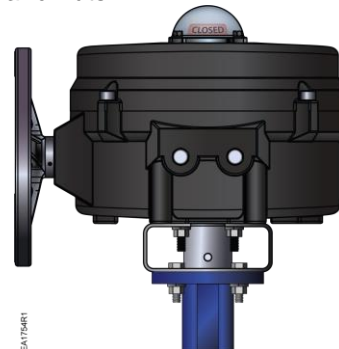
Actuator Stud Installation

1. Apply anti-seize lubricant to stud threads on the stud's portion that contacts the actuator.
2. Fully thread the actuator mounting studs into the appropriate actuator mounting holes.



Actuator Assembly

Attach the actuator to valve assembly using the provided lock washers and nuts.



Final Assembly

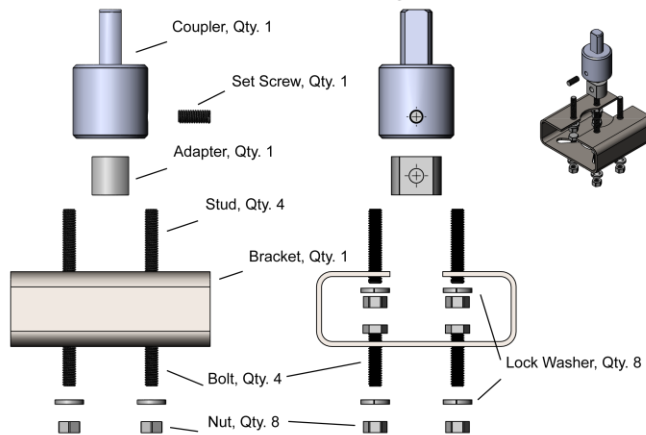
Tighten all nuts.

Installation is complete.

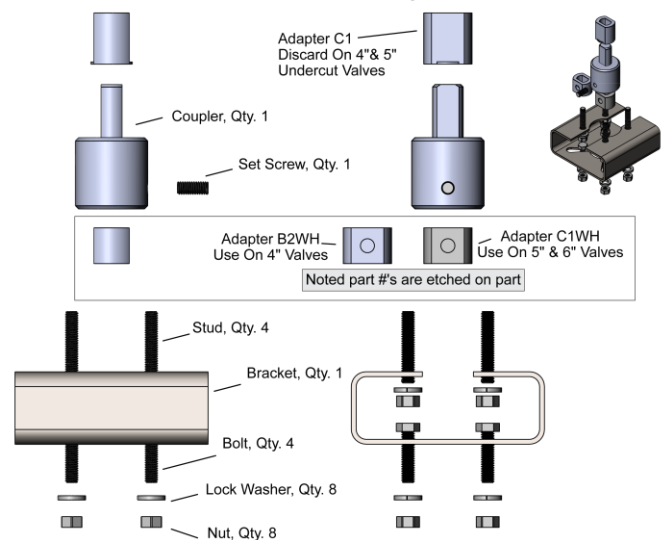
See <https://www.downloads.siemens.com/download-center/Download.aspx?pos=download&fct=getasset&id1=A6V11769271> for actuator set-up.

Parts Diagrams

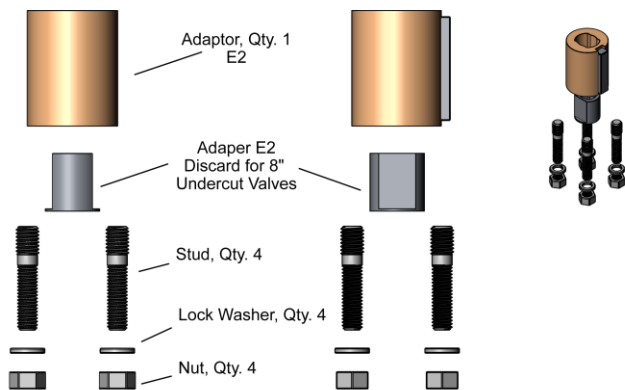
599-10072 - 2"-3" Emerson/Keystone Valves



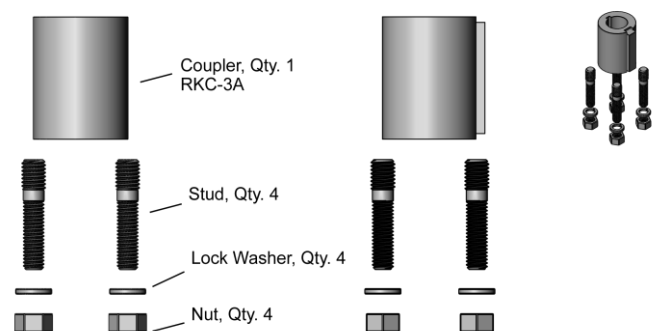
599-10062 - 4" to 6" Emerson/Keystone Valves



599-10074 - 8" Emerson/Keystone Valves



599-10073 - 10" - 12" Emerson/Keystone Valves



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