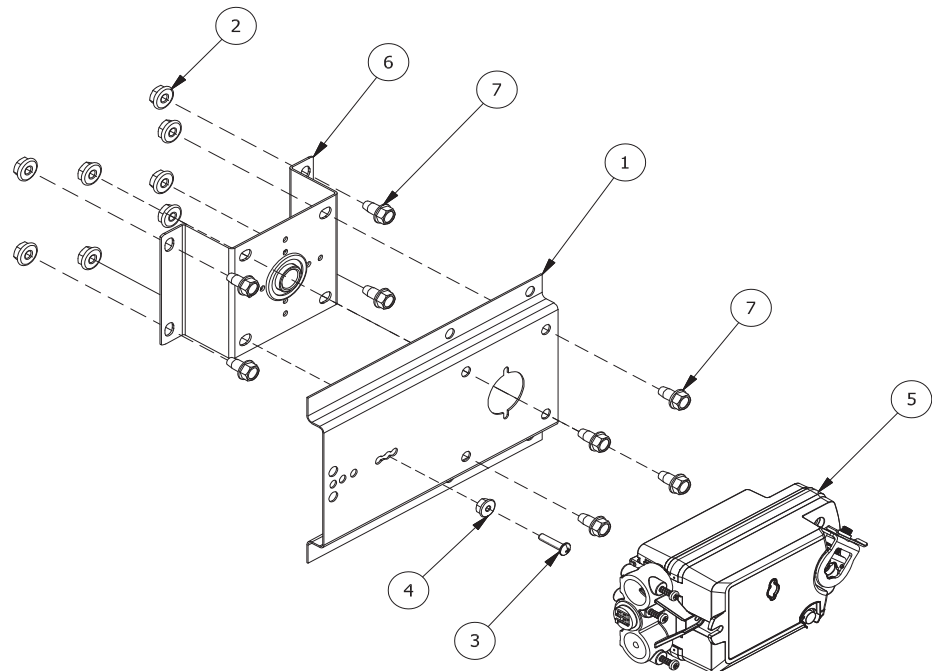


These instructions apply to the external field installation of Siemens actuators on Greenheck control dampers. These models are direct drive actuators that rotate to their energized position when power is applied and spring return to their fail position when power is disconnected.

| Model | Volts | Running | Holding |
|-----------|-------|---------|---------|
| GJD221.1U | 120 | 5W | 3W |
| GJD226.1U | 120 | 5W | 3W |
| GJD121.1U | 24 | 5W | 3W |
| GJD126.1U | 24 | 5W | 3W |

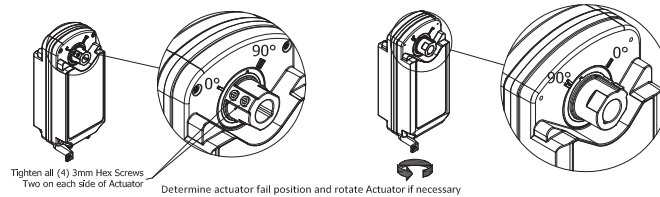
Galvanized Steel Kit

| Item | Part # | Description | Qty |
|------|---------|-------------------------------|-----|
| 1 | 723092 | Anti-rotation bracket | 1 |
| 2 | 415455 | ¼-20 spinlock nut | 8 |
| 3 | 1006414 | #8-32 zinc plated screw | 1 |
| 4 | 415951 | #8-32 zinc plated nut | 1 |
| 5 | - | Siemens actuator | 1 |
| 6 | 815027 | Extension pin support bracket | 1 |
| 7 | 415264 | ¼ - 20 x ½ ZP bolt | 8 |

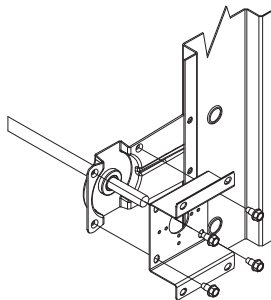


Instructions for Galvanized Steel Kit

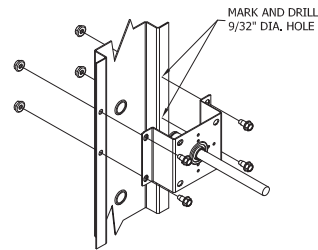
1. Determine actuator fail position and change actuator clamp location if necessary.
2. Install anti-rotation screws/nut opposite the actuator clamp.



3. Remove the bearing from the stand-off bracket (jackshaft only).
4. Install stand-off bracket. Mark and drill $\frac{9}{32}$ in. holes (extension pin only).



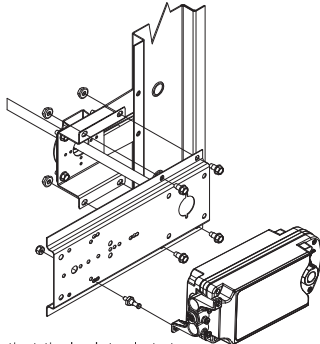
Damper with jackshaft



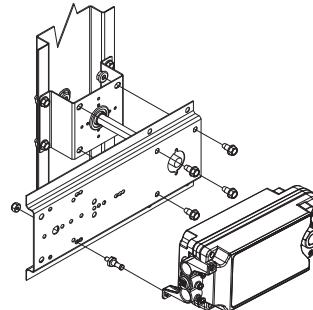
Mark and drill $\frac{9}{32}$ " holes then install stand-off bracket

Damper with extension pin

5. Install anti-rotation bracket and actuator. Anti-rotation bracket may be attached (a) perpendicular up, (b) perpendicular down or (c) parallel from duct (shown).



Install anti-rotation bracket and actuator
Damper with jackshaft

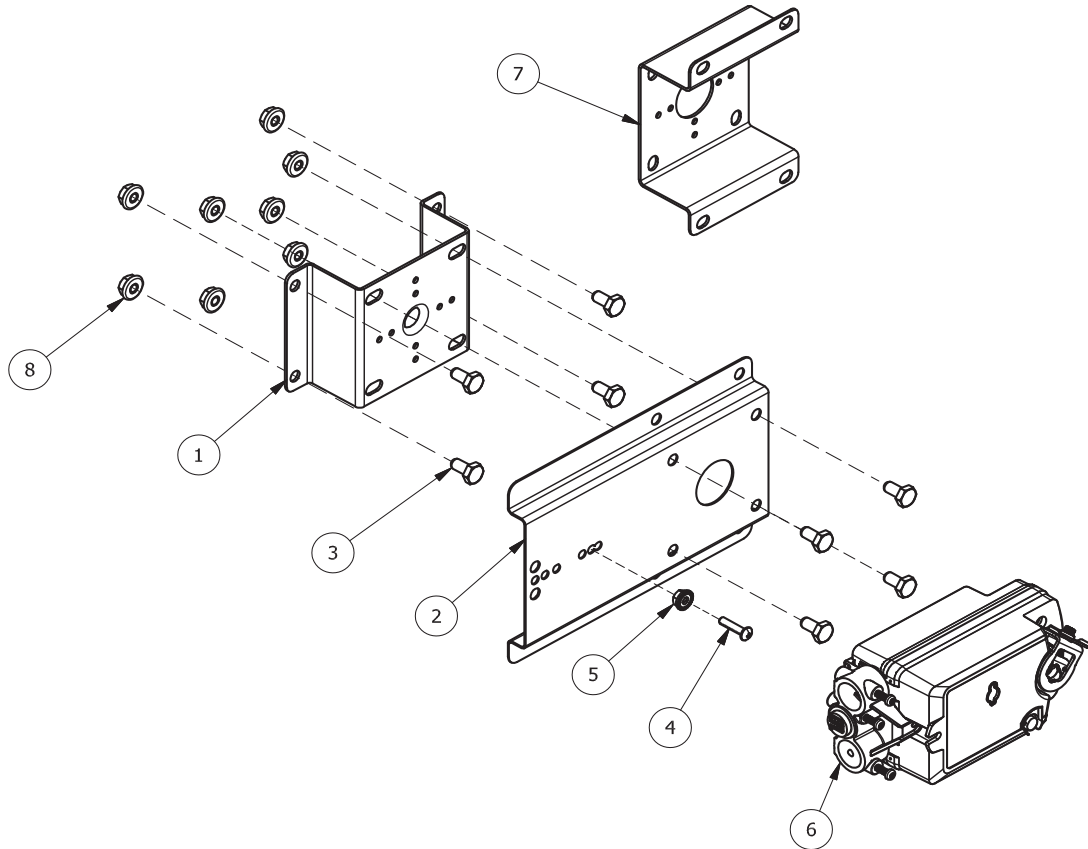


Install anti-rotation bracket and actuator
Damper with extension pin

6. Rotate damper blades to desired fail position (open) or (closed, ensure blade seals are compressed). Tighten 3mm hex screw to allow 95 degrees of actuator rotation.
7. Wiring should be per an approved project or job wiring diagram and must comply with all applicable wiring codes.
8. Apply power to the actuator. Damper blades should fully open or close and return to the fail position when power is disconnected.

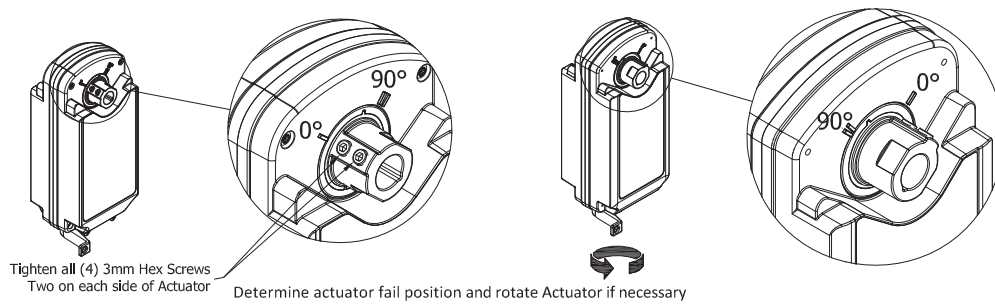
316 Stainless Steel Kit

| Item | Part # | Description | Qty |
|------|---------|---------------------------|-----|
| 1 | 687784 | 316SS standoff bracket | 1 |
| 2 | 689990 | Anti-rotation bracket | 1 |
| 3 | 415868 | ¼ - 20 x ½ 316SS bolt | 8 |
| 4 | 417483 | #8-32 316SS screw | 1 |
| 5 | 1036988 | #8-32 316SS nut | 1 |
| 6 | - | Actuator | 1 |
| 7 | 687405 | 316SS Standoff bracket | 1 |
| 8 | 417305 | 1/4-20 316SS spinlock nut | 9 |

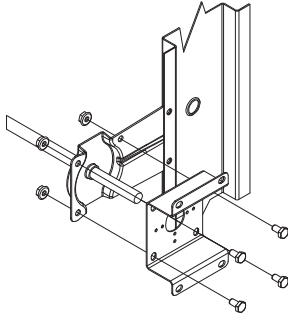


Instructions for 316SS Kit

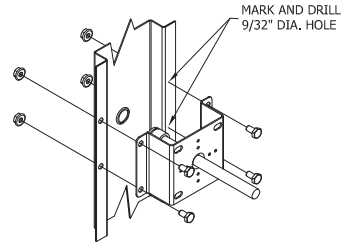
1. Determine actuator fail position and change actuator clamp location if necessary.
2. Install anti-rotation screws/nut opposite the actuator clamp.



- Remove the bearing from the stand-off bracket (jackshaft only).
- Install stand-off bracket. Mark and drill $\frac{9}{32}$ in. holes (extension pin only).



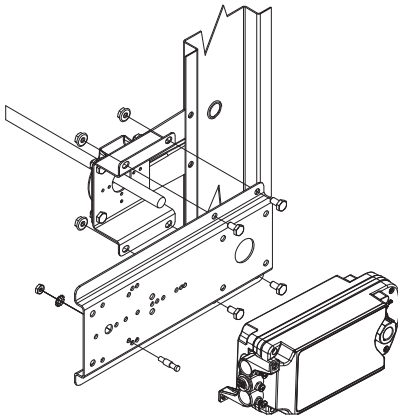
Damper with jackshaft



Mark and drill $\frac{9}{32}$ " holes then install stand-off bracket

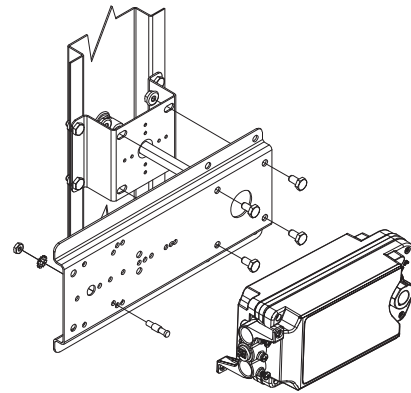
Damper with extension pin

- Install anti-rotation bracket and actuator. Anti-rotation bracket may be attached (a) perpendicular up, (b) perpendicular down or (c) parallel from duct (shown).



Install anti-rotation bracket and actuator

Damper with jackshaft



Install anti-rotation bracket and actuator

Damper with extension pin

- Rotate damper blades to desired fail position (open) or (closed, ensure blade seals are compressed). Tighten 3mm hex screw to allow 95 degrees of actuator rotation.
- Wiring should be per an approved project or job wiring diagram and must comply with all applicable wiring codes.
- Apply power to the actuator. Damper blades should fully open or close and return to the fail position when power is disconnected.

Our Commitment

As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.

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