

BR-LE-AIR...

Product Description

A BR-LE-AIR... bracket and coupling kit reliably mounts a Siemens SQM33/41/45/50... actuator to the air damper of an OVENPAK® LE burner sizes 5-25.

Components Supplied

Figure 1 shows the components supplied with a BR-LE-AIR... bracket kit:

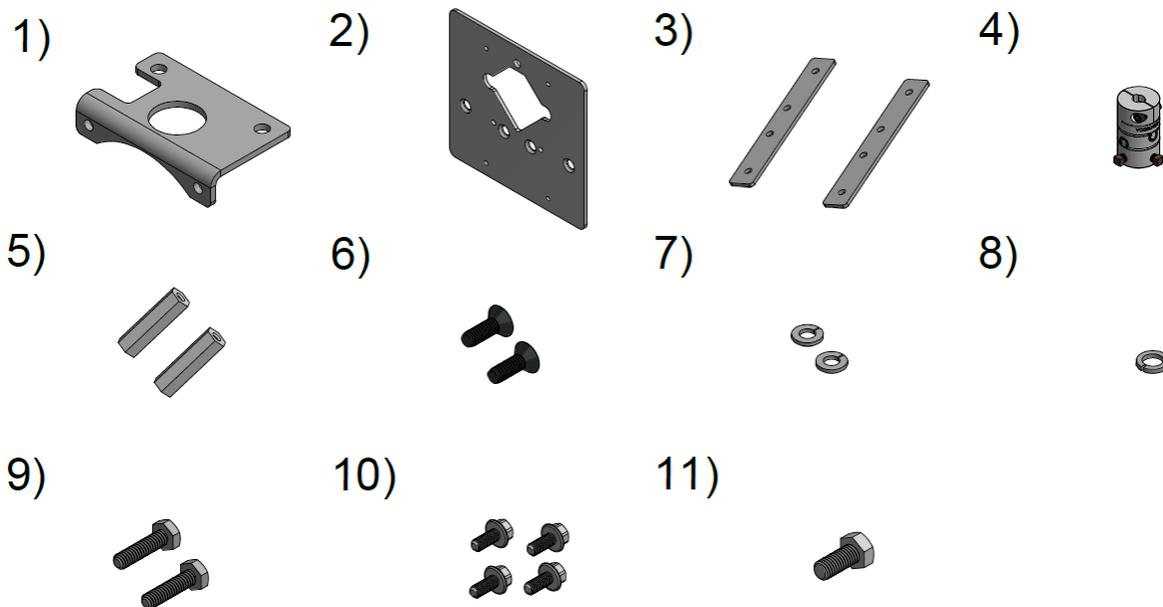


Figure 1: Pieces Supplied with a BR-LE-AIR... Bracket Kit

- | | |
|---|---|
| 1. Mounting Bracket | 7. (2) ¼" Lock Washers |
| 2. Actuator Bracket | 8. M8 Lock Washer |
| 3. (2) Bracket Spacers | 9. (2) ¼"-20 x 1" Hex Head Screws |
| 4. Coupling | 10. (4) M5 x 12mm Thread-Forming Screws |
| 5. (2) Standoffs | 11. M8 x 18mm Hex Head Screw |
| 6. (2) ¼"-20 x ¾" Flat Socket Head Screws | |

Recommended Installation Tools

The following tools are recommended for installing a BR-LE-AIR... bracket kit:

- 5/32" hex key
- Crescent wrench
- 8mm socket with ratchet and extension

Installation Procedure

1. Fasten the mounting bracket to the burner using the hardware included with the burner.

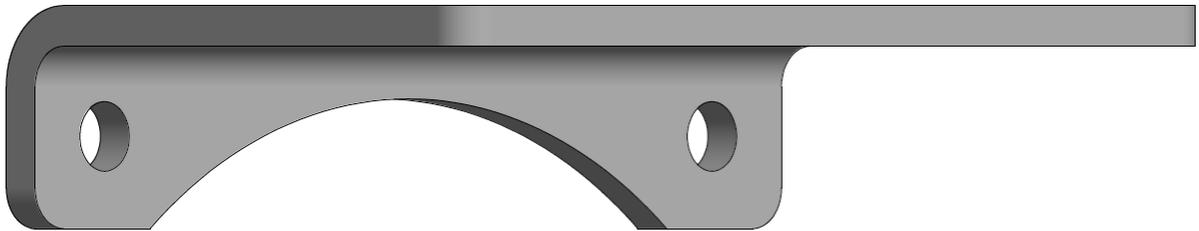


Figure 2: Mounting Bracket to Burner

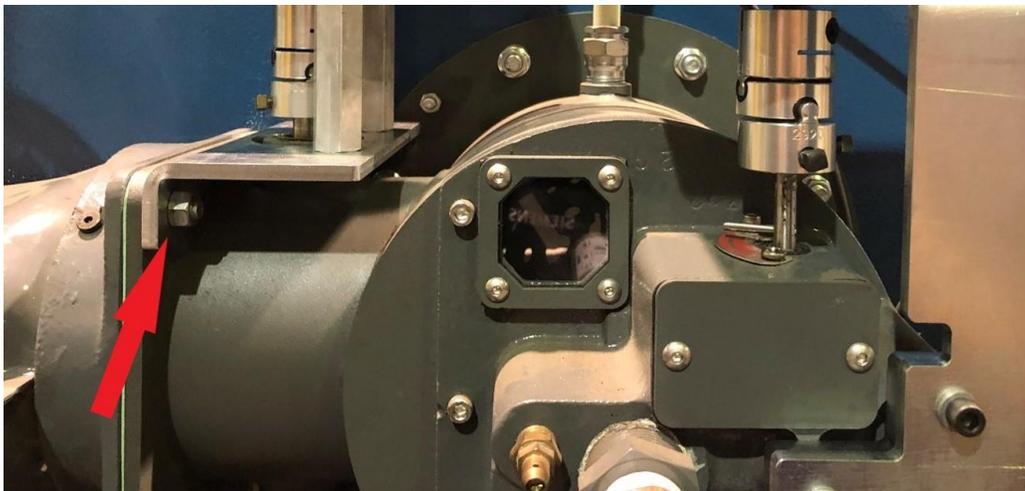


Figure 3: Mounting Location on Burner

- Slide the coupling over the exposed damper shaft. Do not tighten the coupling at this time.

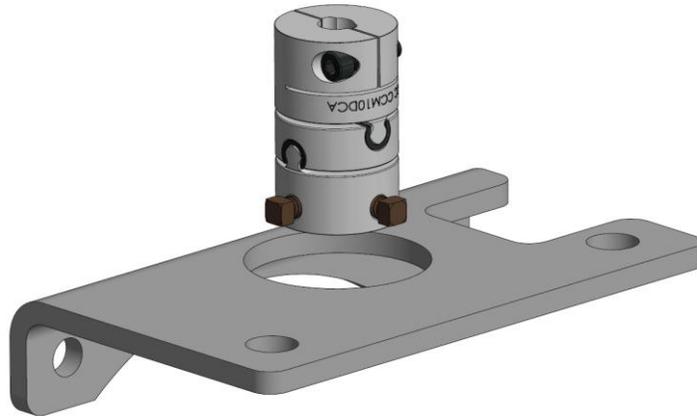


Figure 4: Coupling Installation

- Using a crescent wrench, the (2) $\frac{1}{4}$ "-20 x 1" hex head screws, the (2) $\frac{1}{4}$ " lock washers, and the (2) bracket spacers, connect the standoffs to the mounting bracket. The holes in the mounting bracket are designed to allow the actuator to move somewhat to properly align the actuator shaft with the valve shaft. During this step only tighten the hex head screws so they are finger tight.



Figure 5: Standoff Installation

4. Fasten the actuator bracket to the standoffs using the 5/32" hex key and the (2) 1/4" – 20 x 3/4" flat socket head screws.

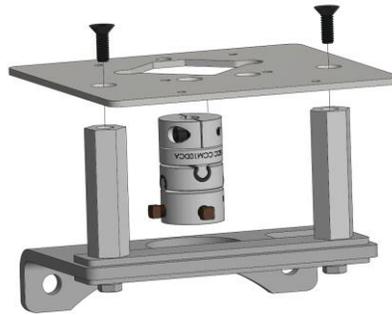


Figure 6: Mount Actuator Bracket

5. **SQM33/41/45... Actuators:** Fasten the actuator to the actuator bracket using the 8mm socket with ratchet and extension and the (4) M5 x 12mm thread-forming screws. For SQM33... and SQM45... actuators, the actuators will need to be programmed for a clockwise rotation.

SQM50... Actuators: Place the SQM50... actuator on the actuator bracket. Slide the M8 lock washer over the M8 x 18mm hex head screw. Thread the M8 screw through the appropriate hole in the actuator base plate. Tighten the screw using a 13mm wrench. Finish securing the actuator using an 8mm wrench and the (2) M5 x 12mm thread-forming screws.

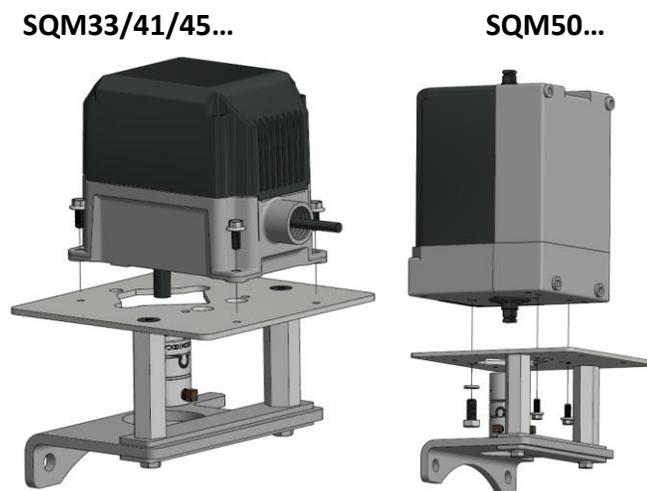


Figure 7: Mount Actuator

- Adjust the coupling vertically to ensure proper shaft engagement on the actuator and valve shaft. Using the 5/32" hex key, tighten the clamp screw of the coupling. Using a crescent wrench, tighten the set screws of the coupling to the damper shaft. Then using a crescent wrench tighten the hex head screws connected to the standoffs.



Figure 8: Tighten Clamp Screw and Set Screws

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