

BR-LE-GAS-0.375SQ

Product Description

A BR-LE-GAS-0.375SQ bracket and coupling kit reliably mounts a Siemens SQM41/50... actuator with a 3/8" square shaft to the gas control valve of an OVENPAK® LE burner sizes 5-25.

Components Supplied

Figure 1 shows the components supplied with a BR-LE-GAS-0.375SQ bracket kit:

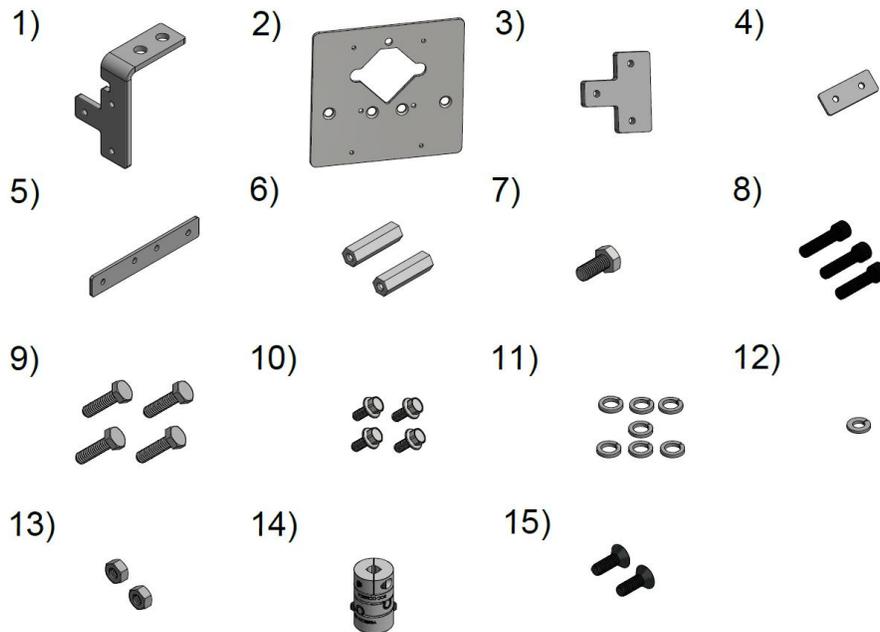


Figure 1: Pieces Supplied with a BR-LE-GAS-0.375SQ Bracket Kit

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| 1. Mounting Bracket | 9. (4) 1/4"-20 x 1" Hex Head Screws |
| 2. Actuator Bracket | 10. (4) M5 x 12mm Thread-Forming Screws |
| 3. Mounting Spacer | 11. (7) 1/4" Lock Washers |
| 4. Short Bracket Spacer | 12. M8 Lock Washer |
| 5. Long Bracket Spacer | 13. (2) 1/4"-20 Nuts |
| 6. (2) Standoffs | 14. Coupling |
| 7. M8 x 18mm Hex Head Screw | 15. (2) 1/4"-20 x 3/4" Flat Socket Head Screws |
| 8. (3) 1/4"-20 x 1" Socket Head Screws | |

Recommended Installation Tools

The following tools are recommended for installing a BR-LE-GAS-0.375SQ bracket kit:

- 5/32" hex key
- Crescent wrench
- 8mm wrench
- 8mm socket with ratchet and extension
- 13mm wrench

Installation Procedure

1. Fasten the mounting bracket to the burner using the 5/32" hex key, the mounting spacer, the (3) 1/4"-20 x 1" socket head screws, and (3) 1/4" lock washers.

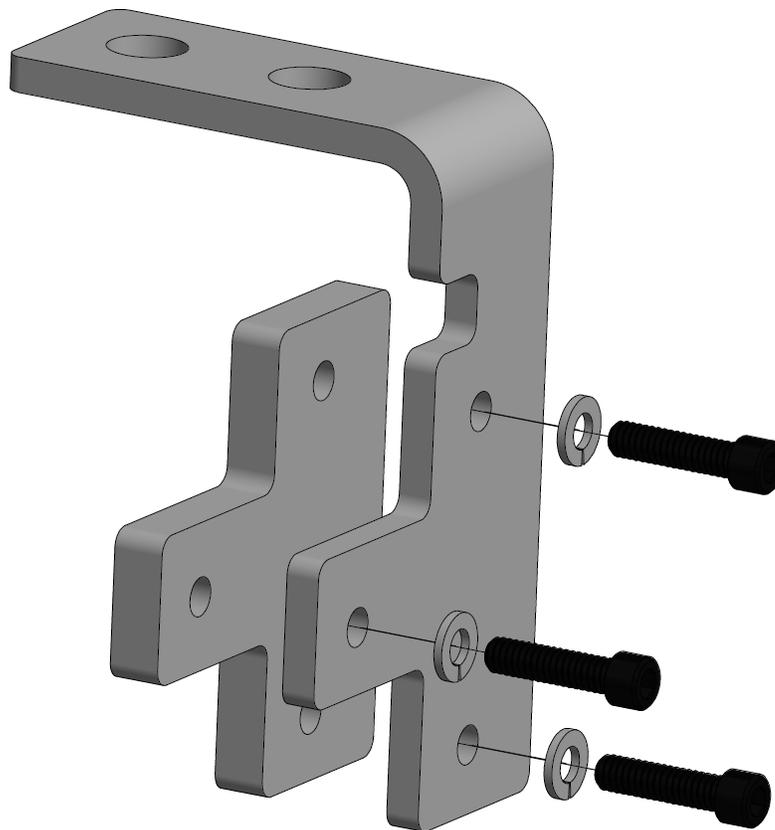


Figure 2: Mounting Bracket to Burner

2. Slide the coupling over the exposed valve shaft. Do not tighten the coupling at this time.

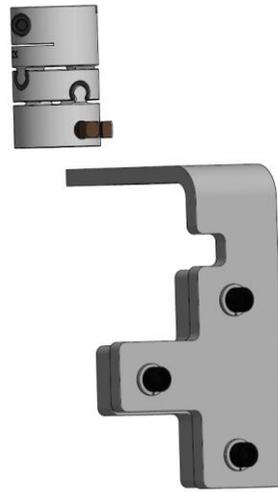


Figure 3: Coupling Installation

3. Using (2) $\frac{1}{4}$ "-20 x 1" hex head screws, (2) $\frac{1}{4}$ " lock washers and the (2) $\frac{1}{4}$ "-20 nuts fasten the short bracket spacer and long bracket spacer 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 and nuts so they are finger tight.



Figure 4: Attaching Bracket Spacers

4. Use (2) $\frac{1}{4}$ "-20 x 1" hex head screws and (2) $\frac{1}{4}$ " lock washers to attach the (2) standoffs to the long bracket spacer.



Figure 5: Attach Standoffs

5. Fasten the actuator bracket to the standoffs using the (2) $\frac{1}{4}$ "-20 x $\frac{3}{4}$ " flat socket head screws and the $\frac{5}{32}$ " hex key.

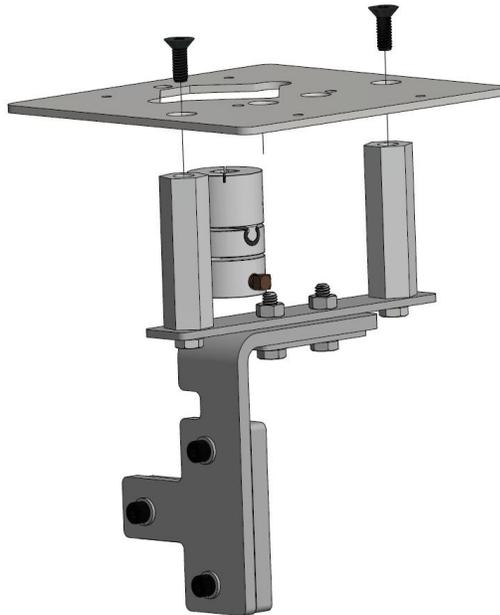


Figure 6: Attach Actuator Bracket

6. **SQM41... 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.

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.

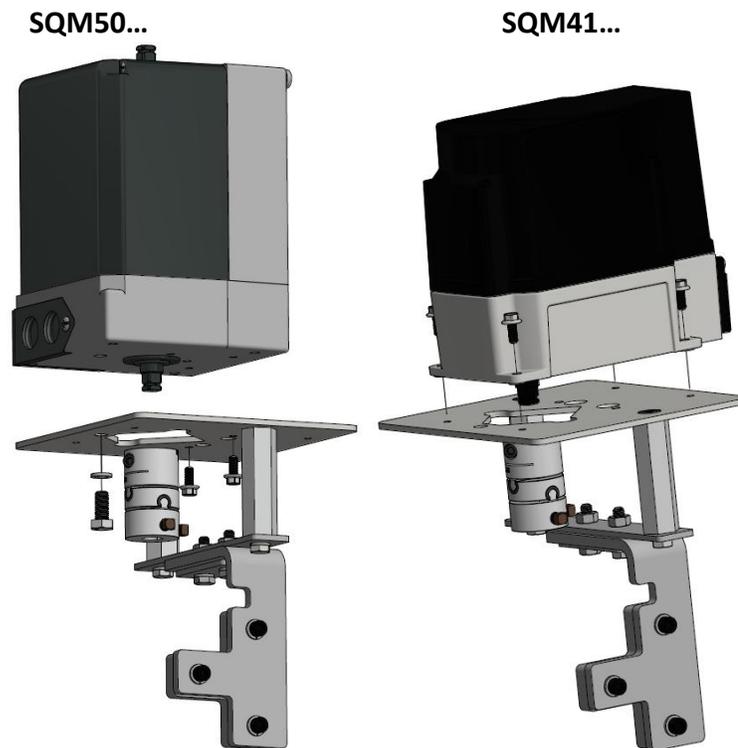


Figure 7: Mount Actuator

7. 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.

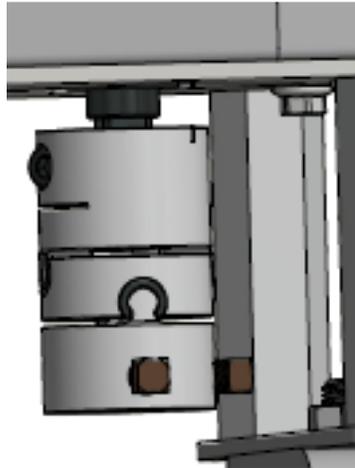


Figure 8. Tighten Clamp Screw and Set Screws

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