CNC ROUTER PARTS

Router Mount

ASSEMBLY INSTRUCTIONS

Version 2016Q3.1

Contents

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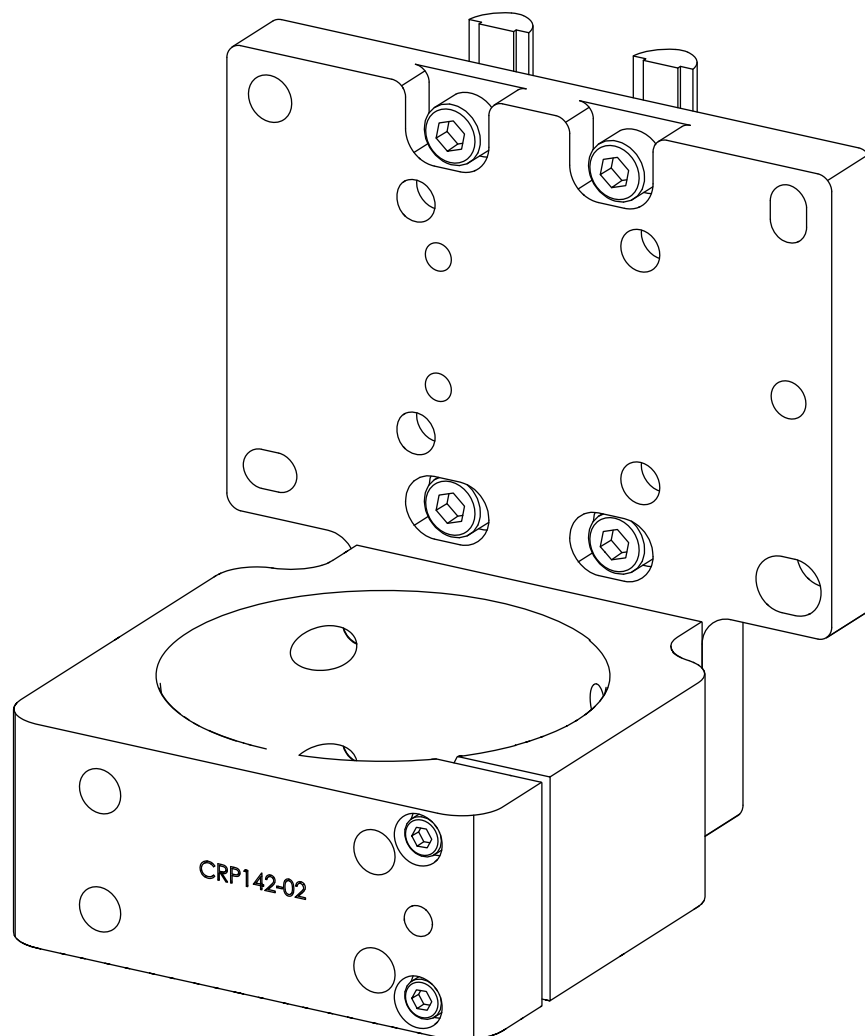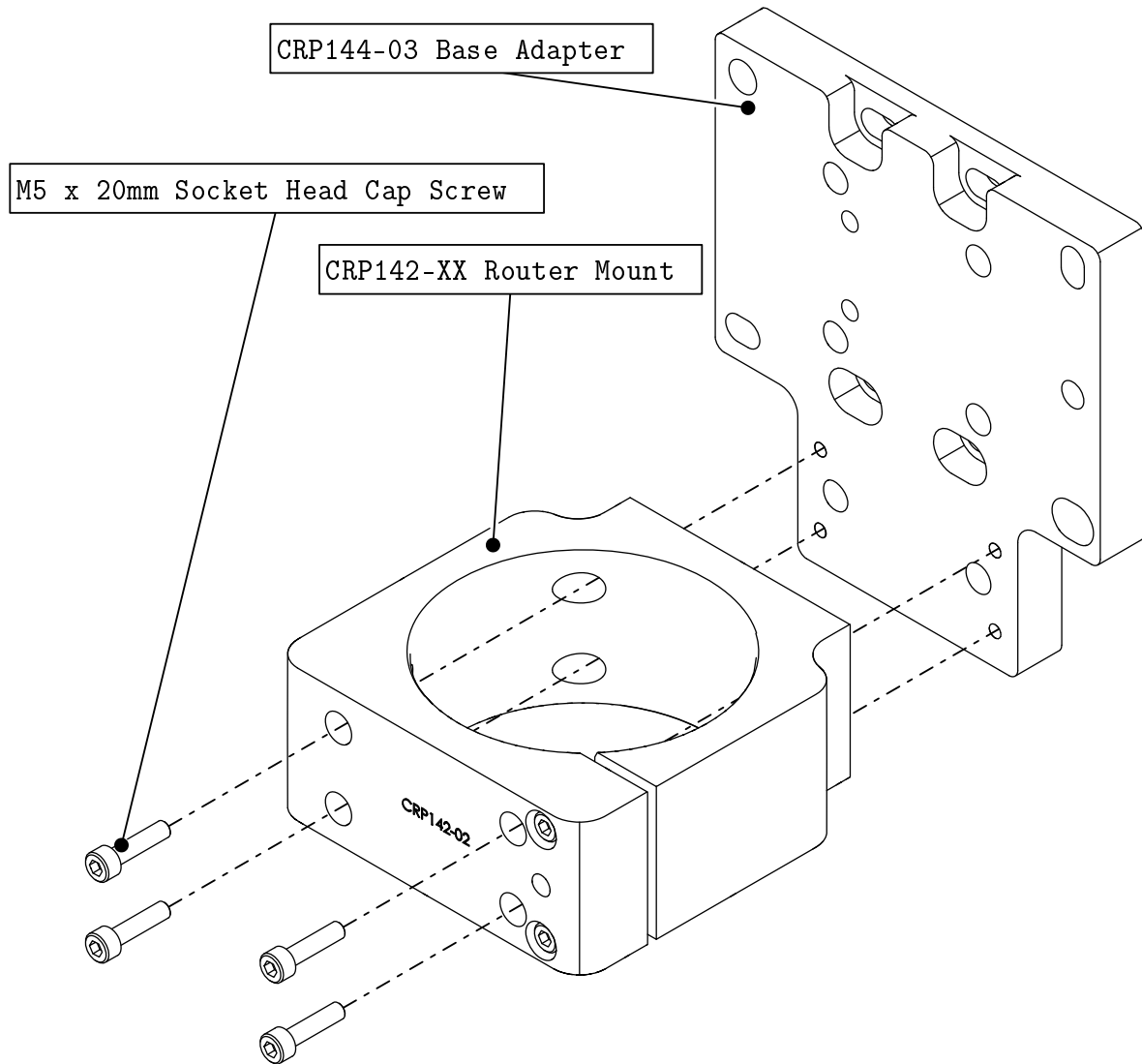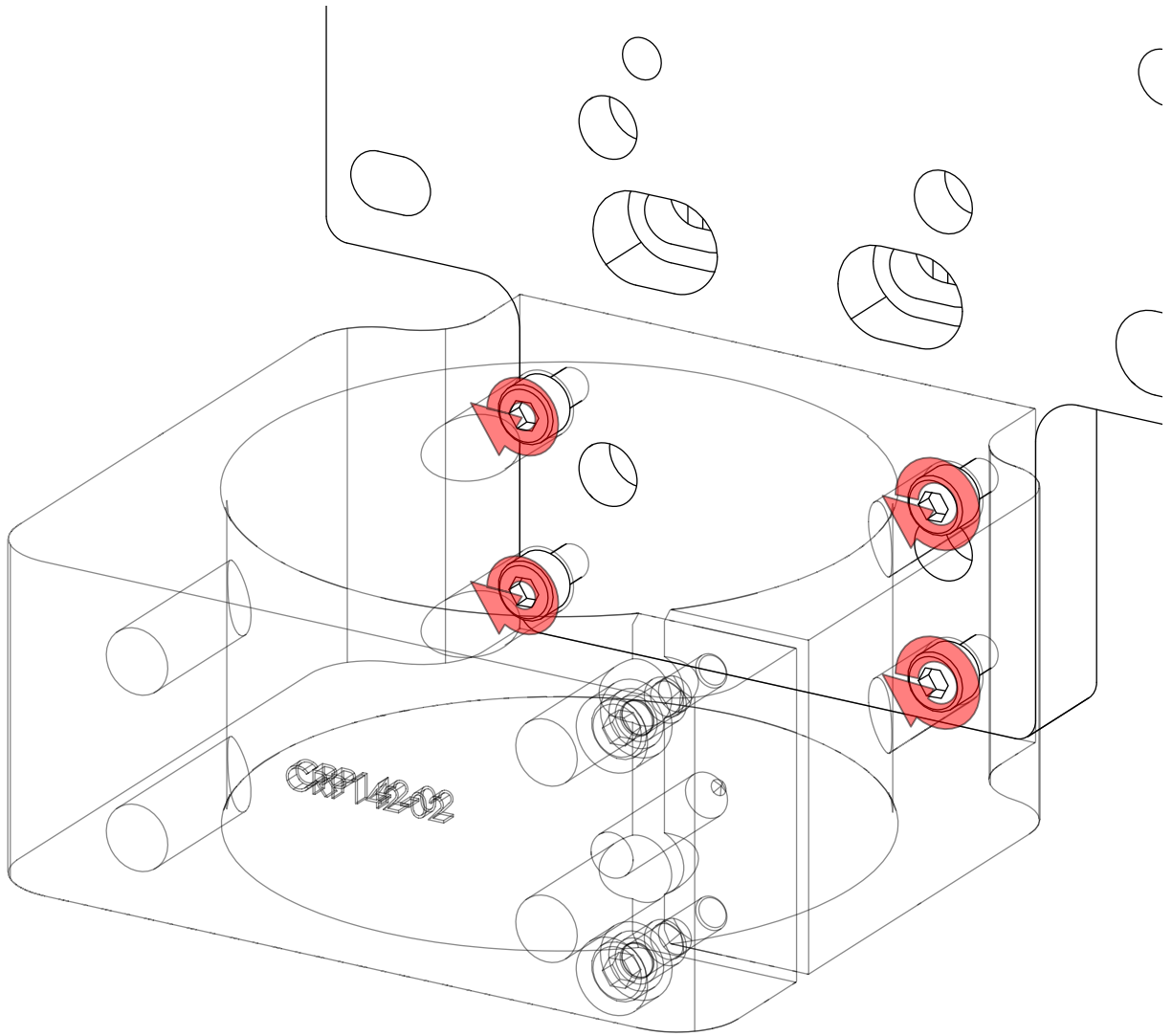
Base Adapter Installation, Routers or Round Spindles

CRP142-02

Note: If you purchased a spindle from CNC Router Parts, skip to section 2.

CRP144-03 Base Adapter

M5 x 20mm Socket Head Cap Screw

CRP142-XX Router Mount

CRP142-02

- Attach the router mount to the base adapter as indicated

CNC ROUTER PARTS

CRP142-02

- Tighten the highlighted fasteners.

M8 x 16mm Socket Head Cap Screw

CRP142-02

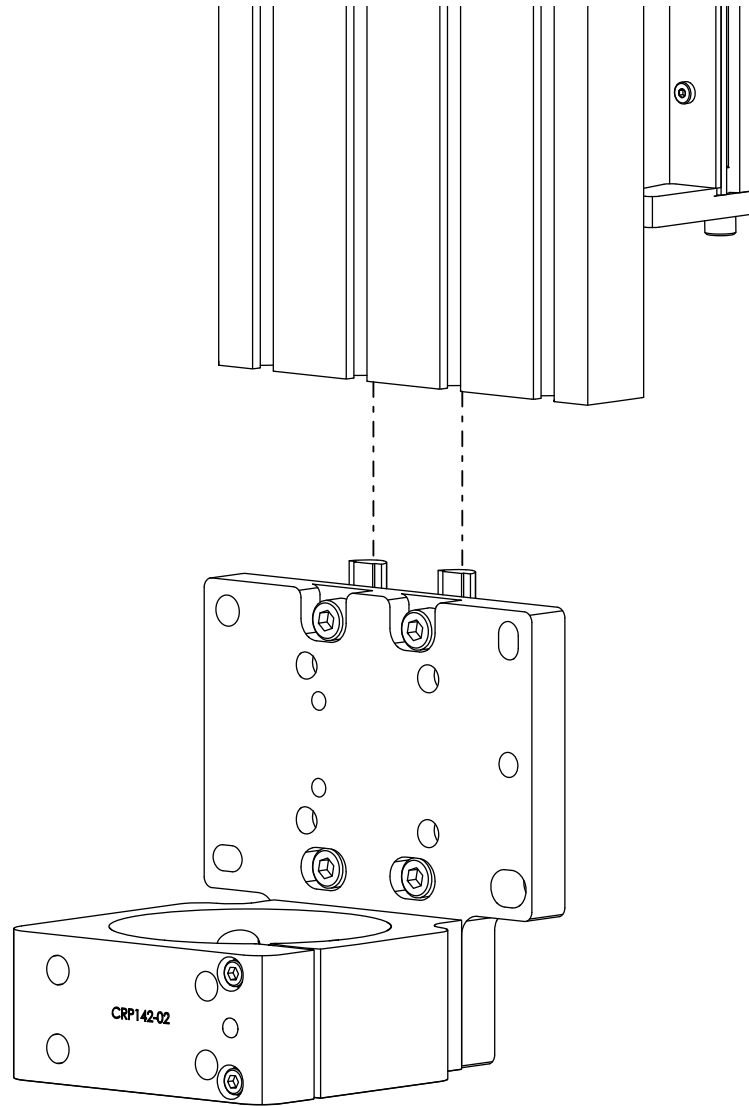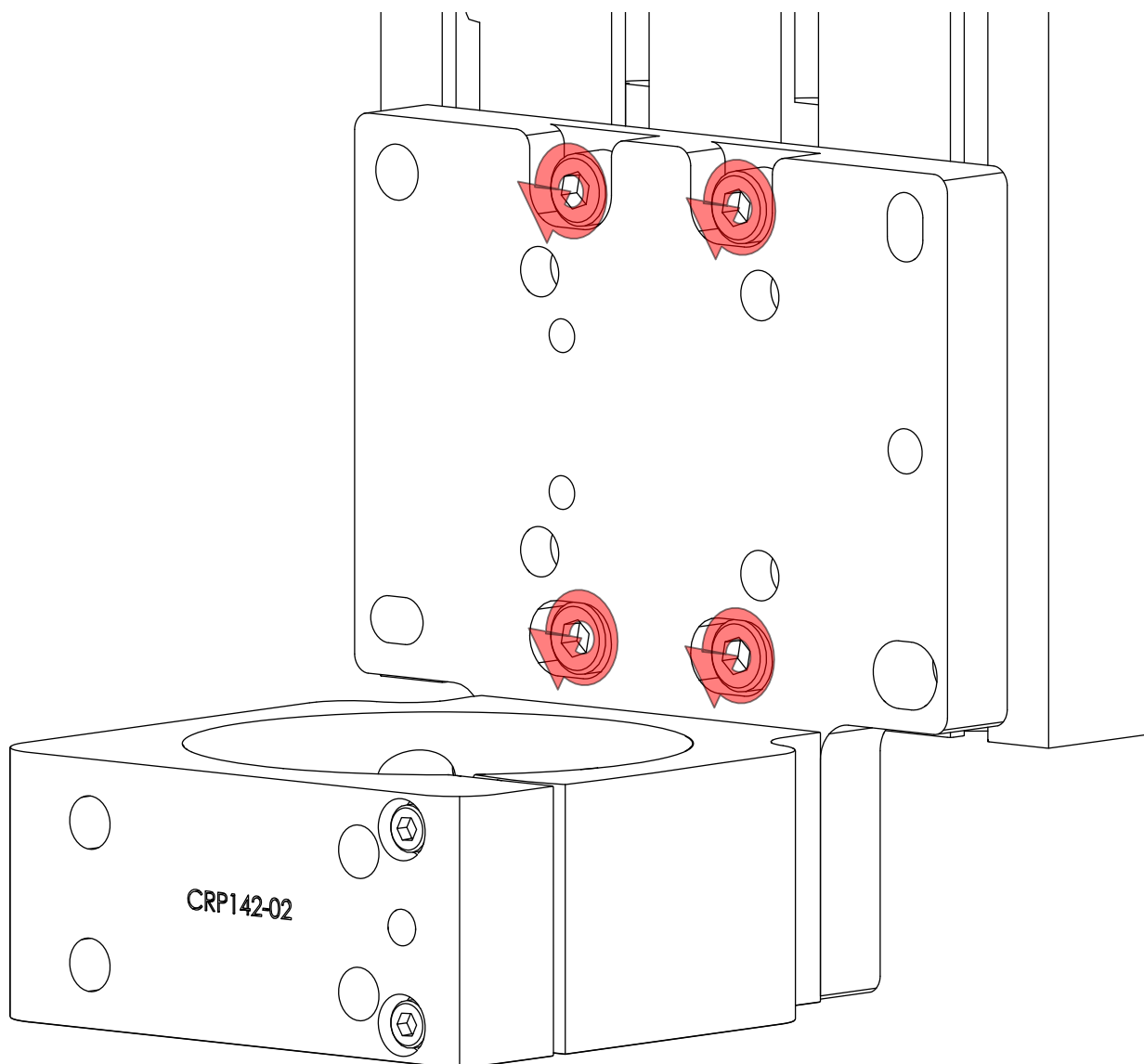M8 Roll In T-Nut

Note: If you purchased the optional tramming plate, skip this step and proceed to section 3.

- Thread the socket head cap screws into the t-nuts through the base adapter as indicated
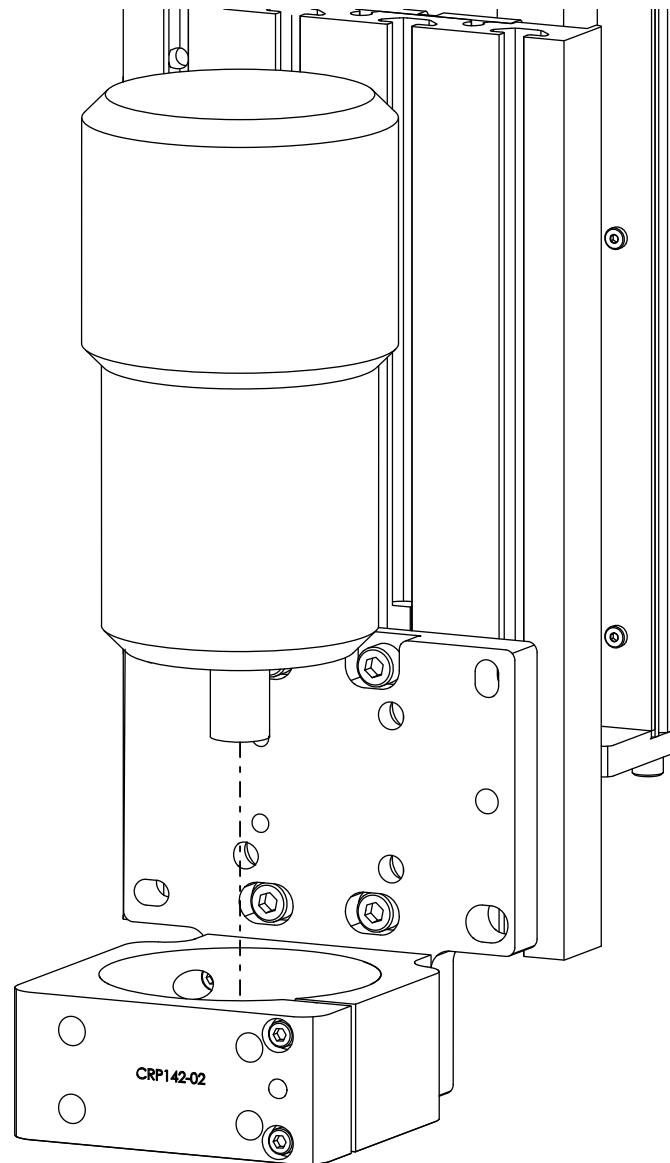
Router Mount Assembly
Version 2016Q3.1
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CRP142-02

• Slide the router mount assembly into the t-slots of the z axis as indicated.
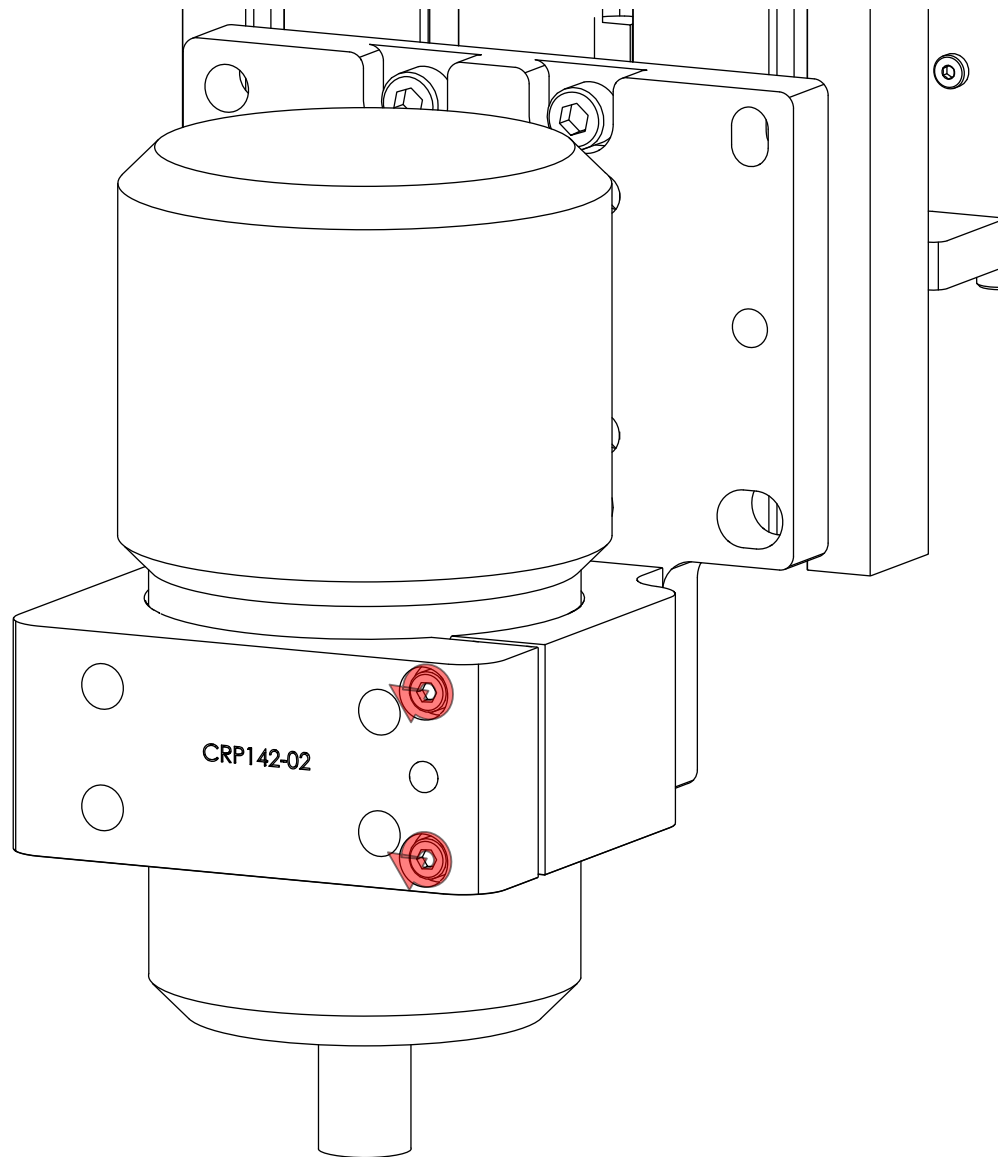
CRP142-02
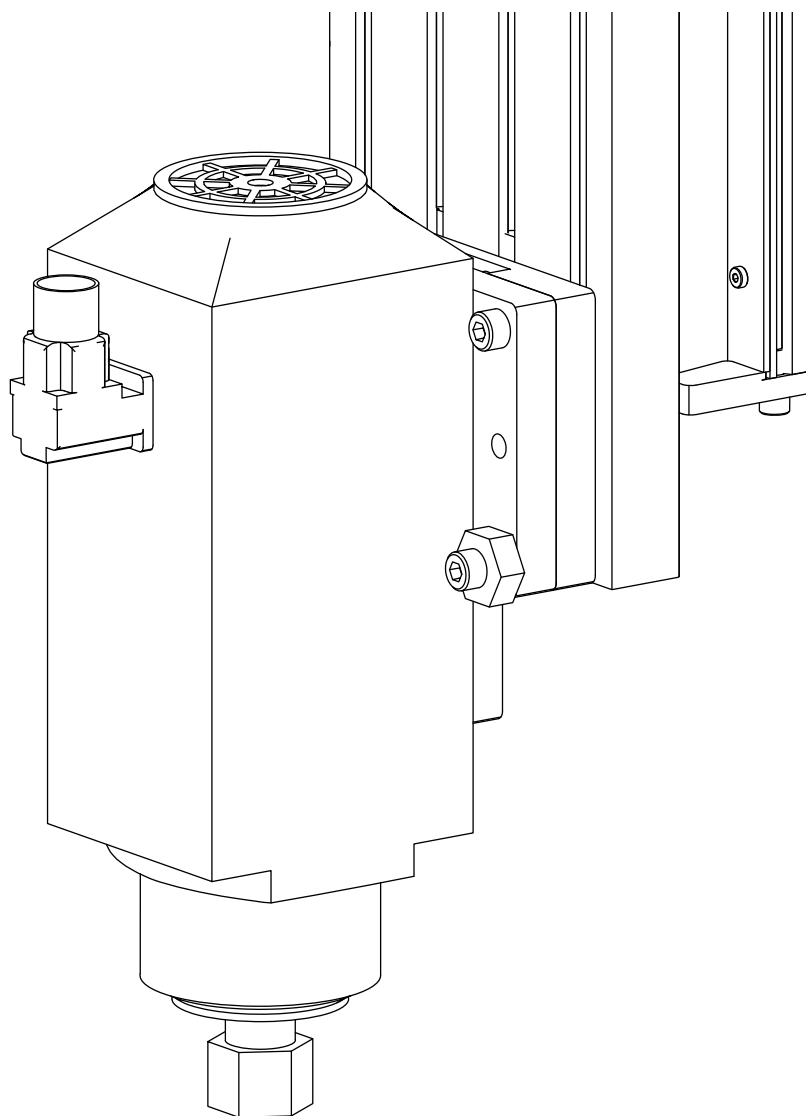
- Tighten the highlighted fasteners.

CRP142-02

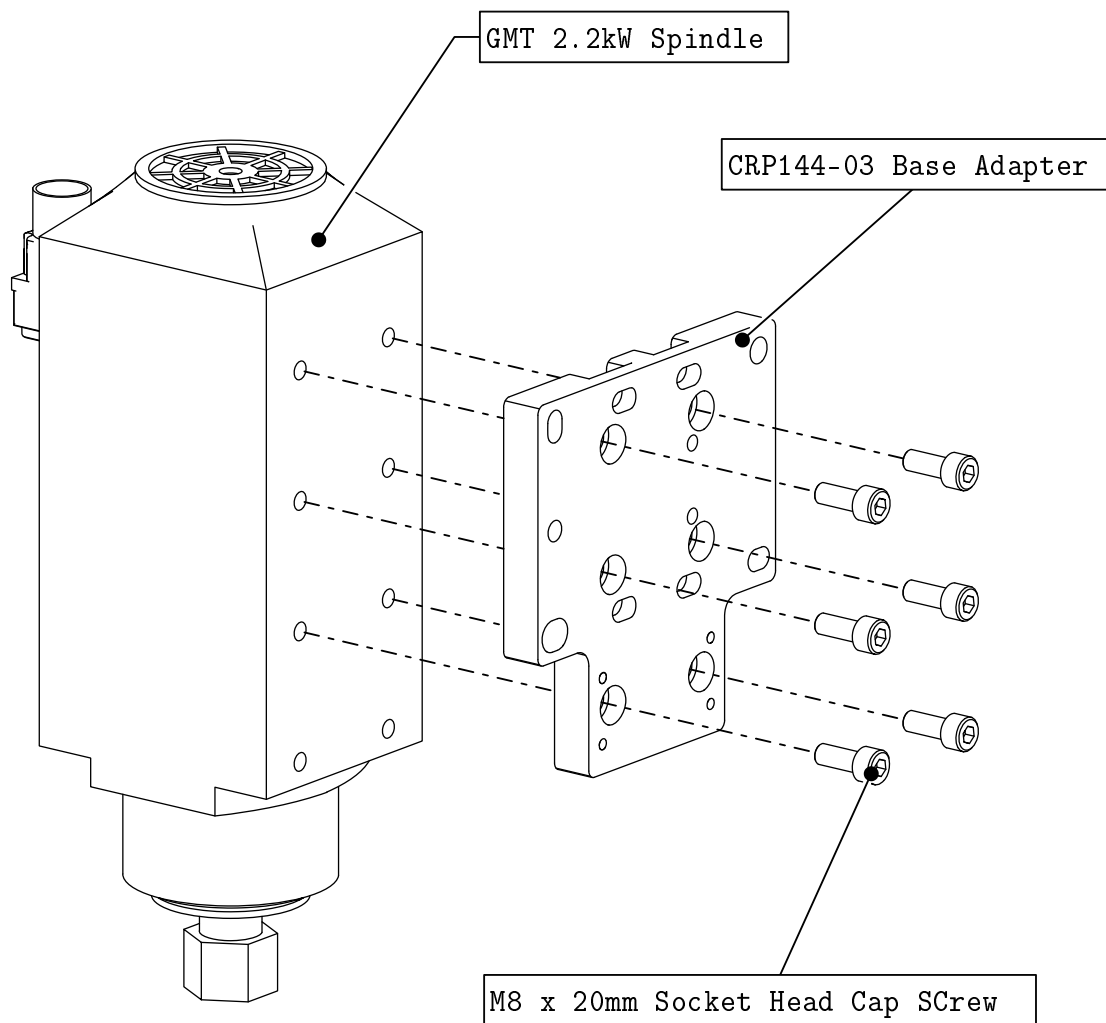- Slide your router or round spindle into the router mount as indicated.
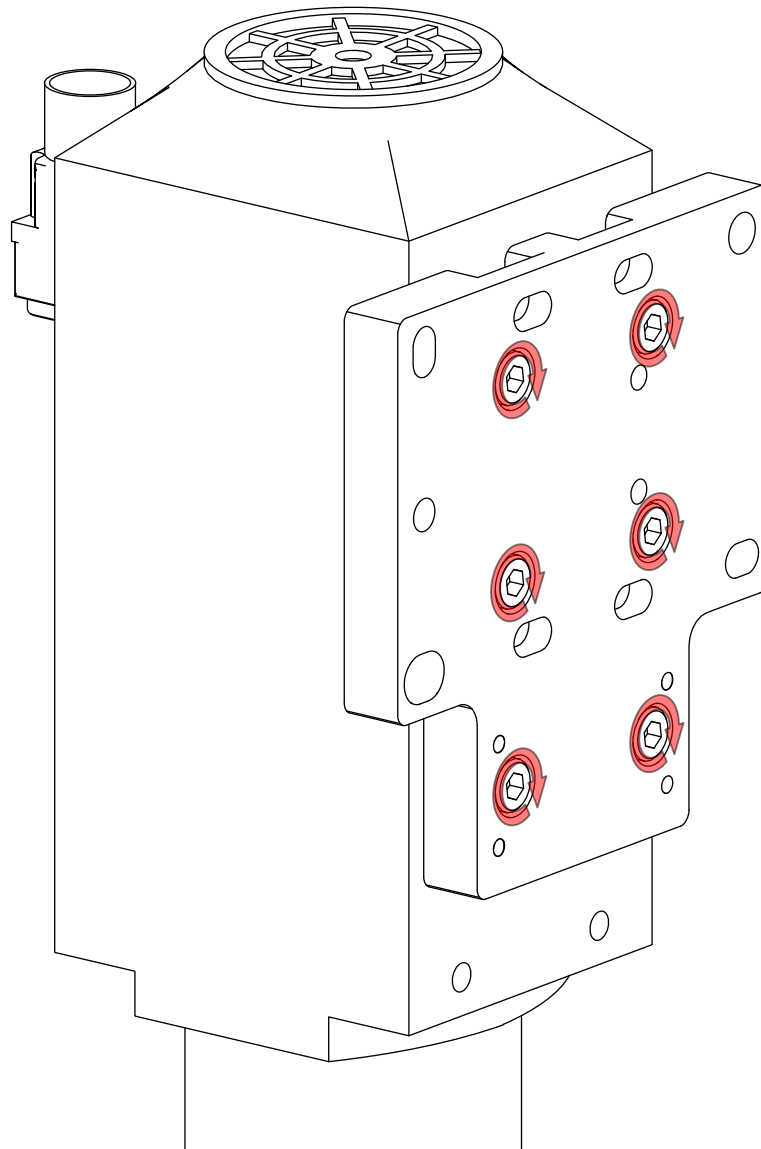
CRP142-02

- Tighten the highlighted fasteners.

2

Base Adapter Installation, Air-Cooled Spindle

GMT 2.2kW Spindle

CRP144-03 Base Adapter
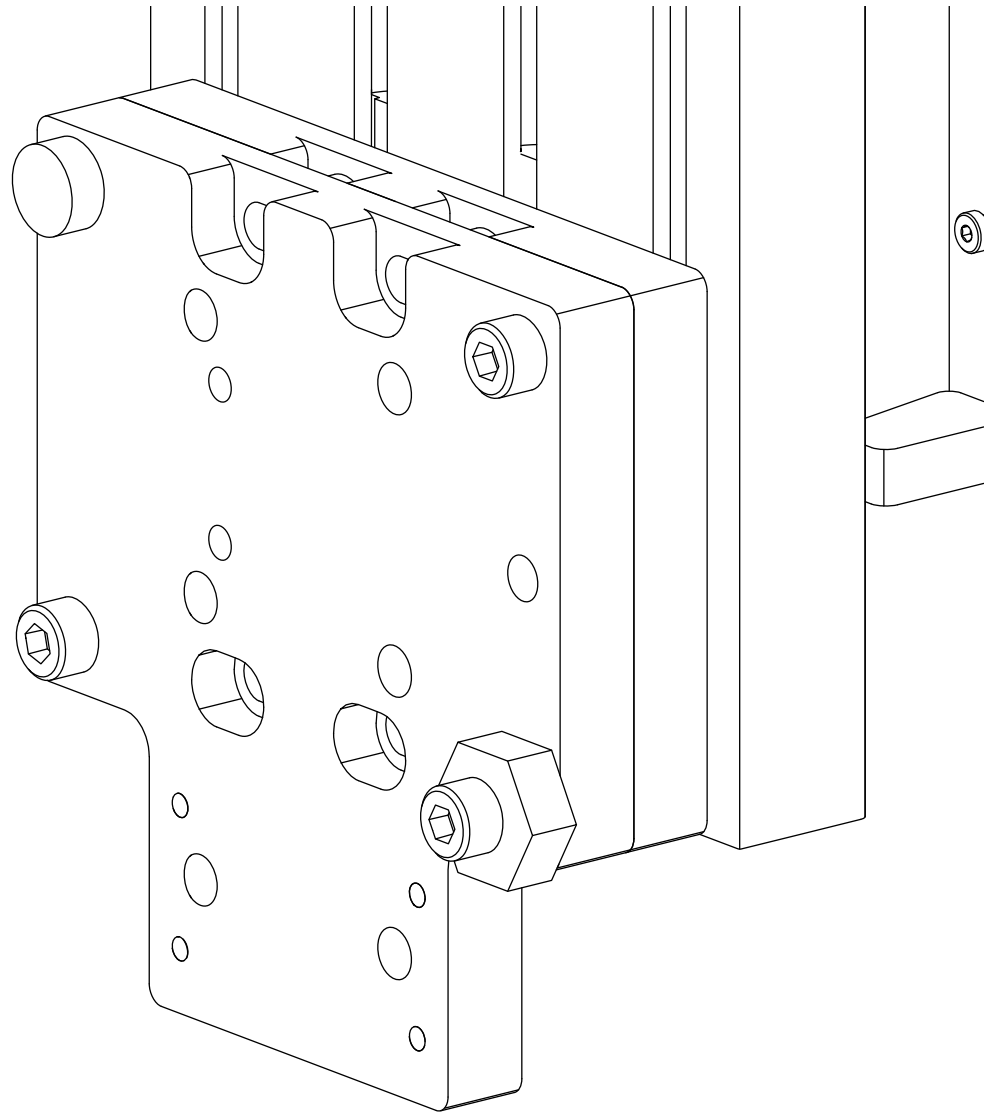
M8 x 20mm Socket Head Cap SCrew

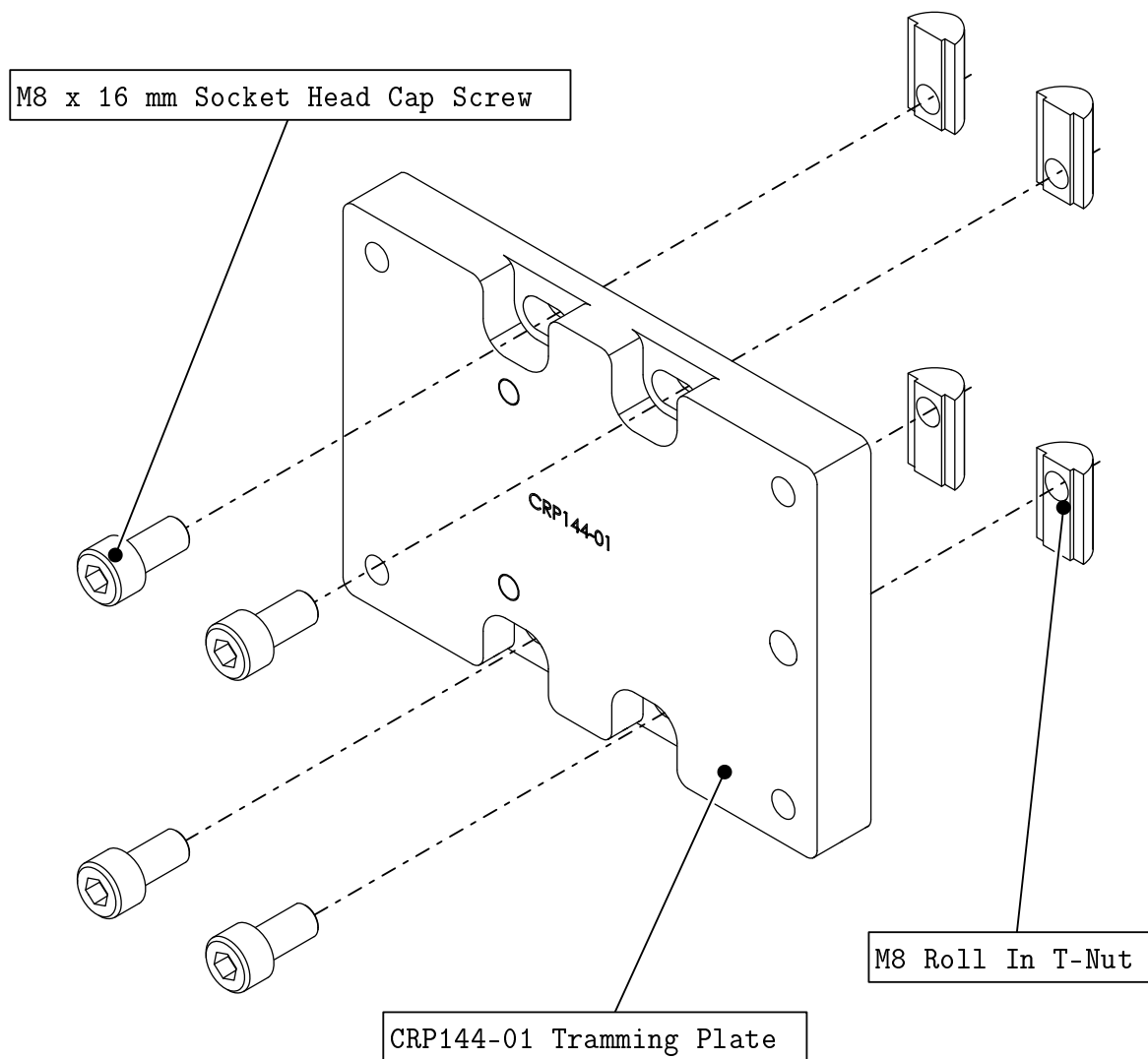- Attach the spindle to the base adapter as indicated.

- Tighten the highlighted fasteners.

- Installation is now complete. The rest of this document pertains to the tramming plate and spindle kits.
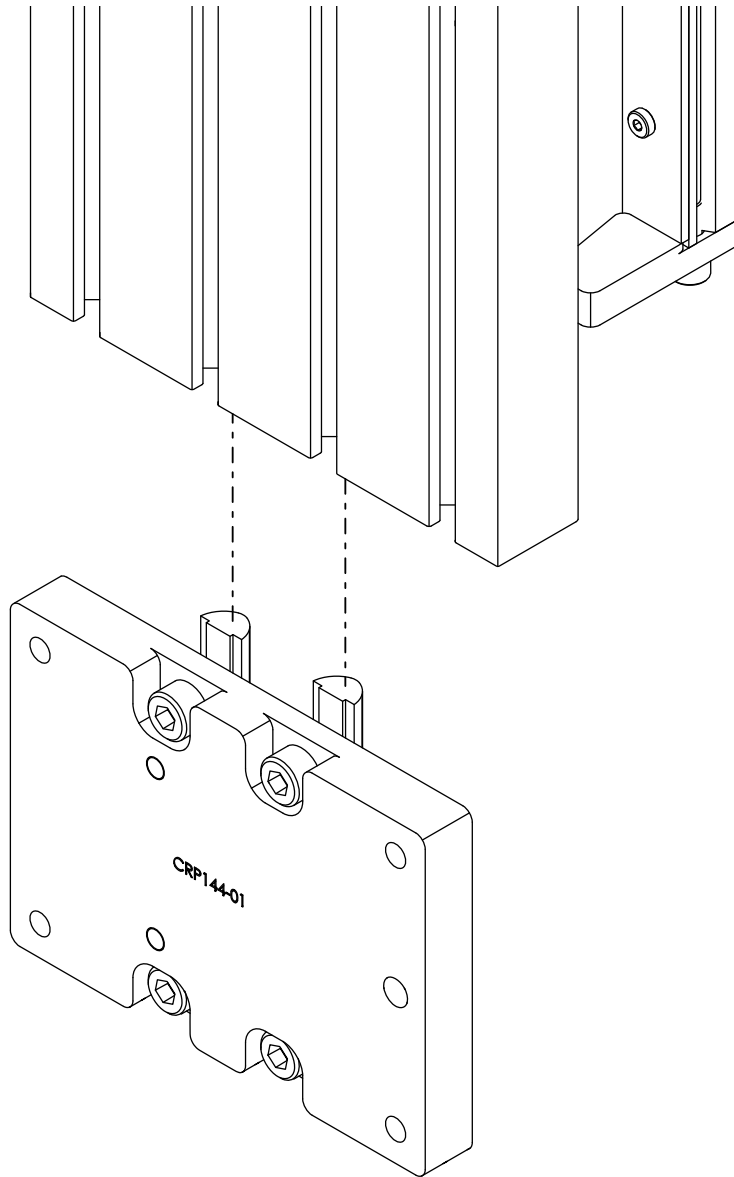
3

Tramming Plate Installation

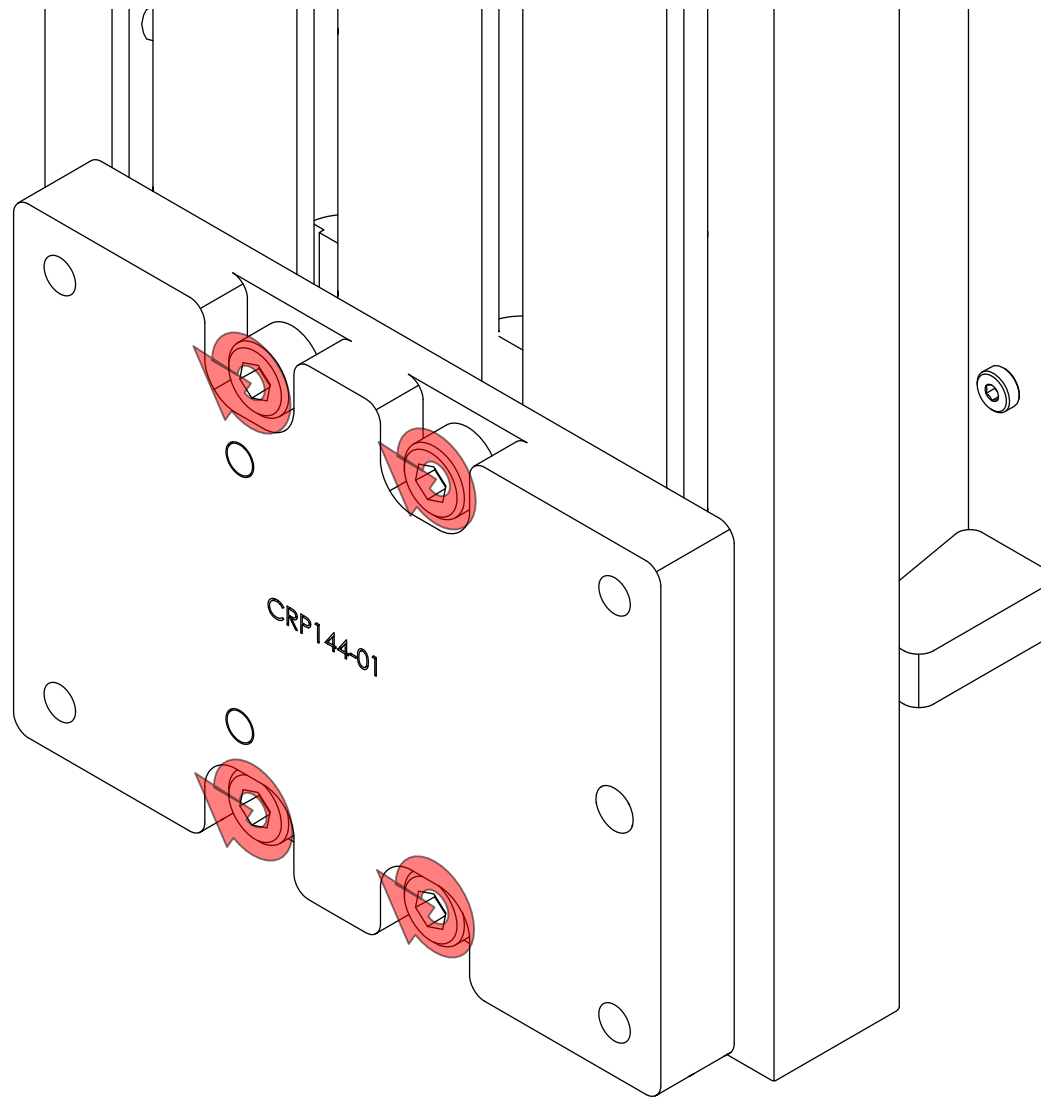M8 x 16 mm Socket Head Cap Screw

CRP144-01

M8 Roll In T-Nut

CRP144-01 Tramming Plate

- Thread the socket head cap screws into the t-nuts through the tramming as indicated

CRP144-01

- Slide the tramming plate into the t-slots of the z axis as indicated.

CRP144-01

- Tighten the highlighted fasteners.

M8 Shoulder Bolt 10mm x 16mm

CRP144-0L

CRP142

M8 x 30 Socket Head Cap Screw

B3X Eccentric Bearing
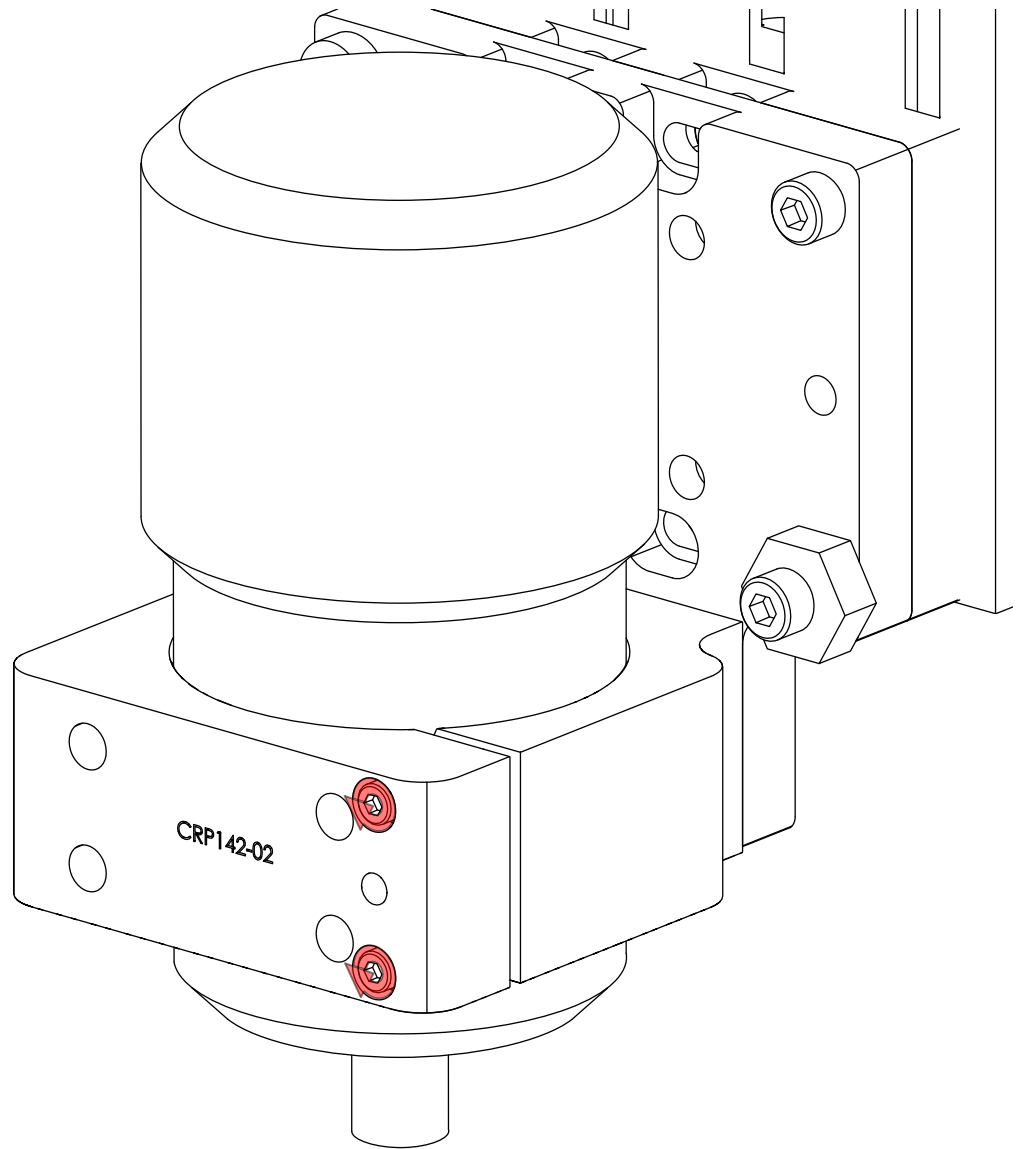
M8 x 35 Socket Head Cap Screw

Note: Skip this step if you purchased the spindle kit.

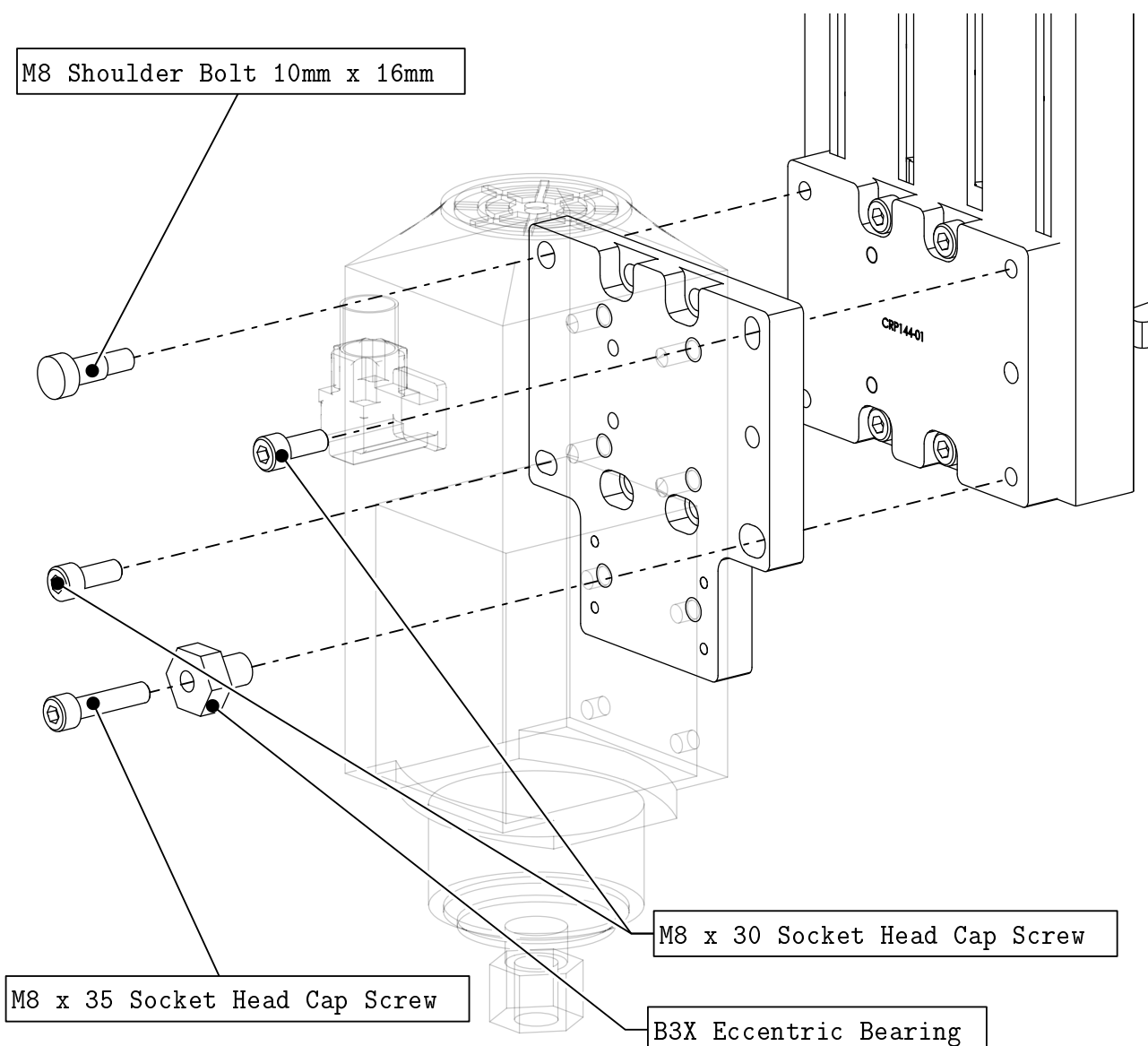- Attach the router mount assembly to the tramming plate as indicated.

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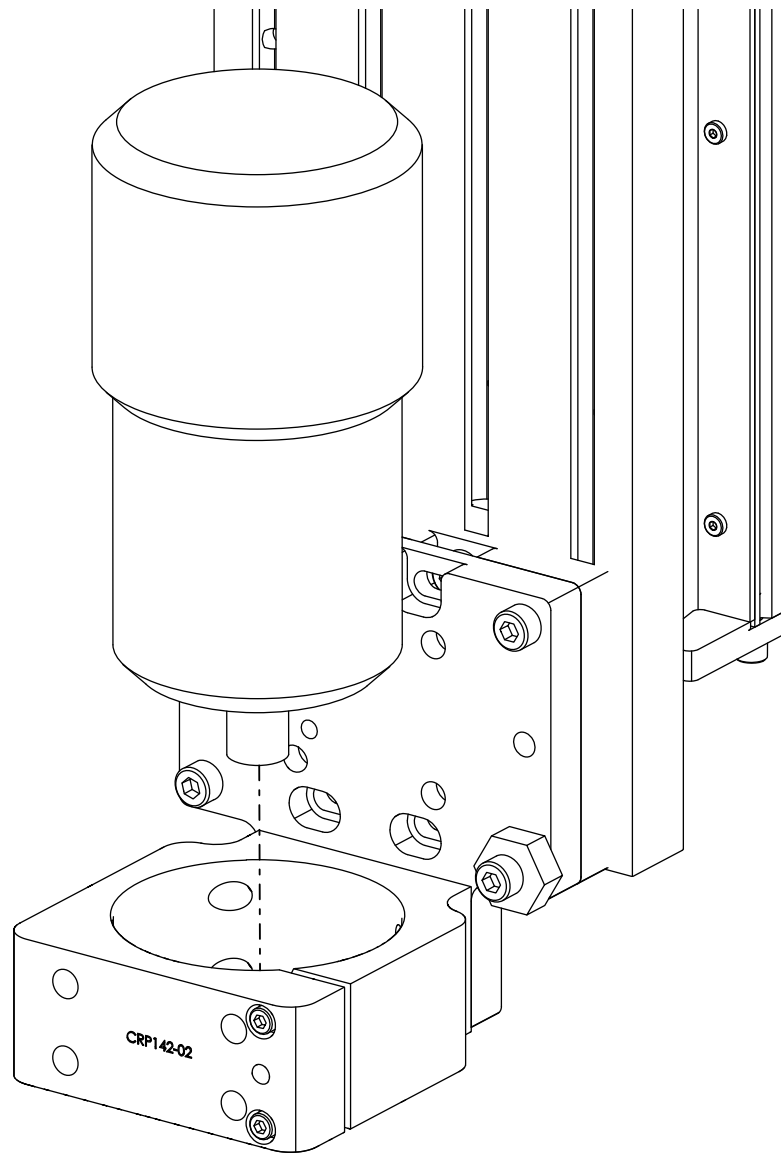
Note: Skip this step if you purchased the spindle kit.

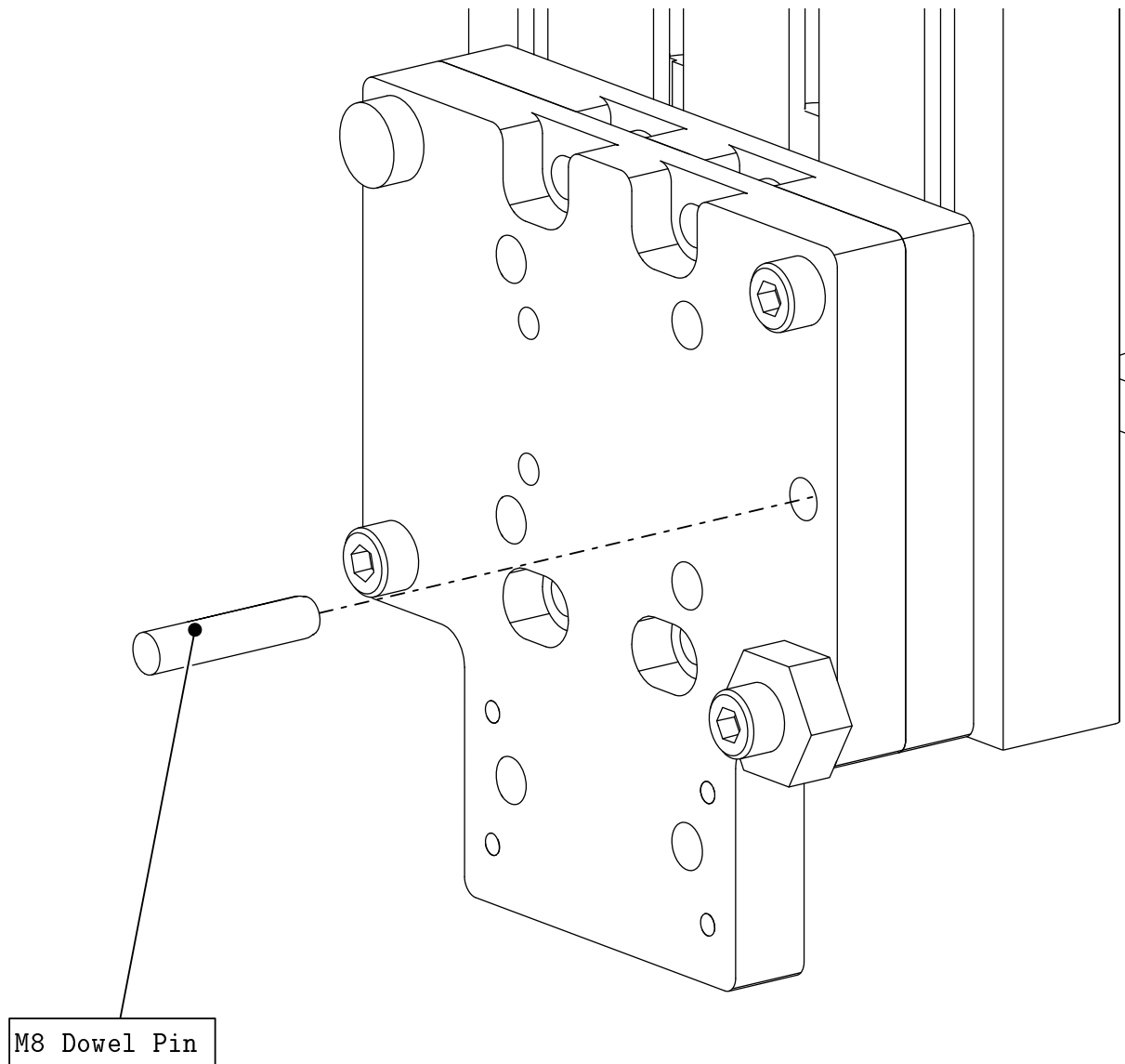• Slide your router or round spindle into the router mount as indicated.

CRP142-02

- Tighten the highlighted fasteners.

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M8 Shoulder Bolt 10mm x 16mm

M8 x 30 Socket Head Cap Screw

M8 x 35 Socket Head Cap Screw

B3X Eccentric Bearing
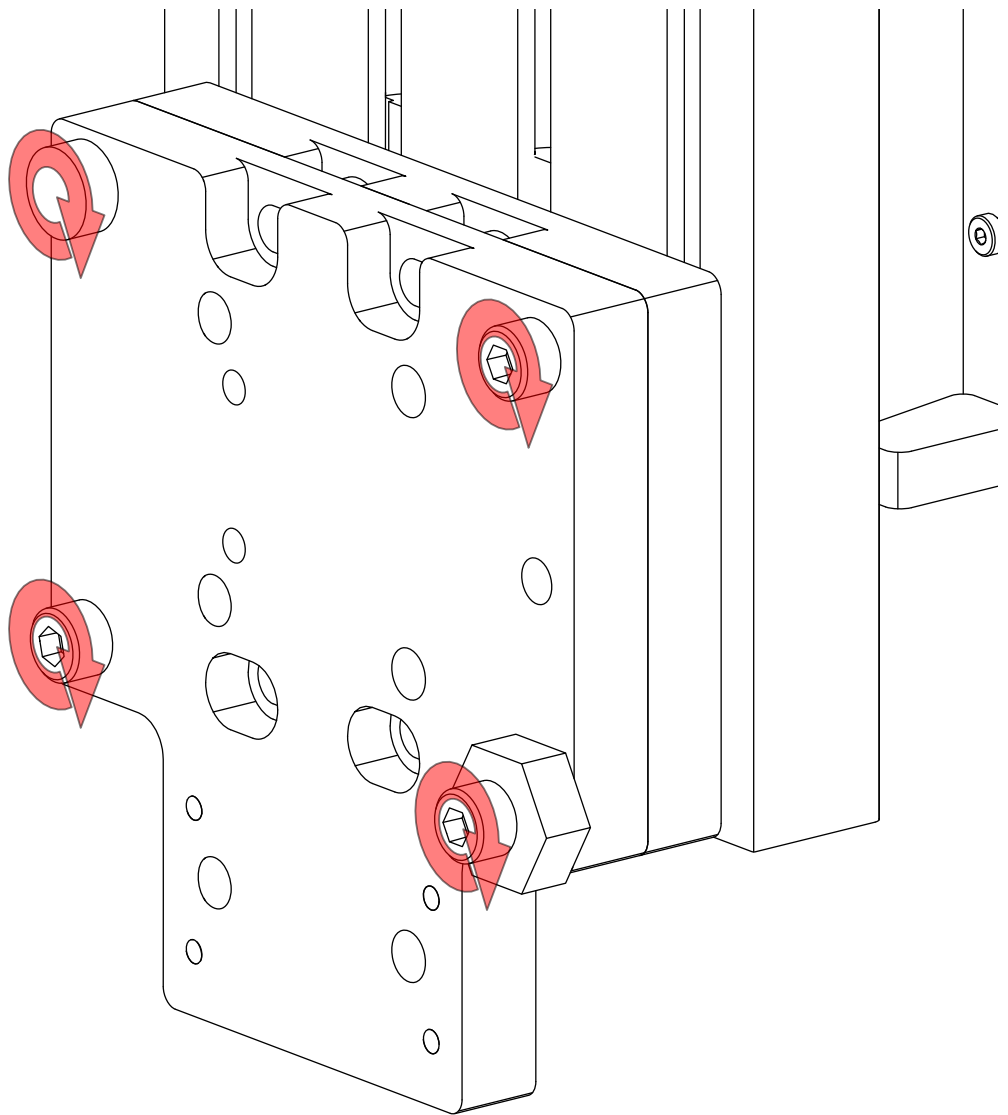
Note: Skip this step if you did not purhcase a spindle kit.

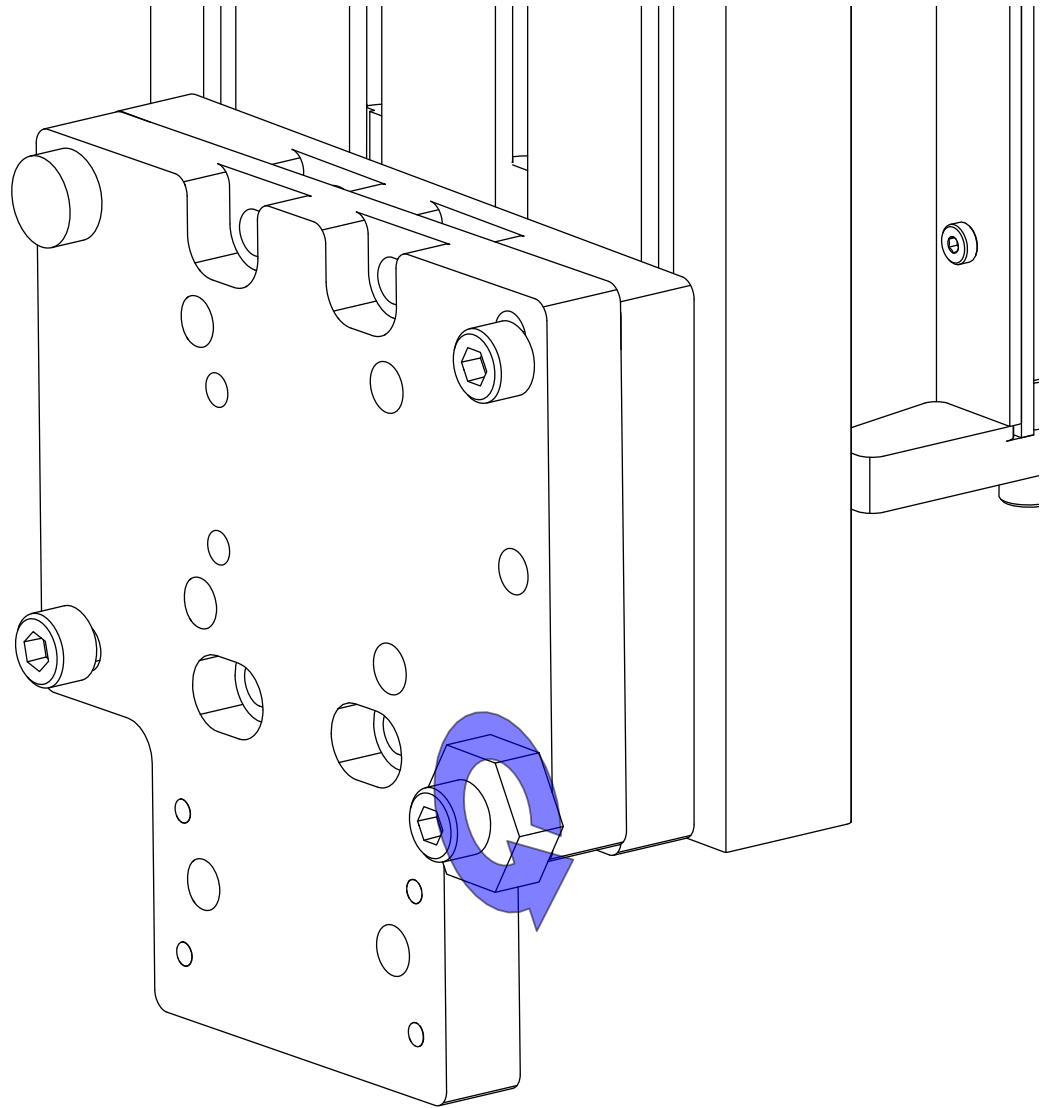- Attach the spindle assembly to the tramming plate as indicated.

M8 Dowel Pin

Note: The router mount and or spindle are hidden for the remainder of these instructions for visual clarity.

- Slide the M8 dowel pin to set the router mount in the nominally trammed position.
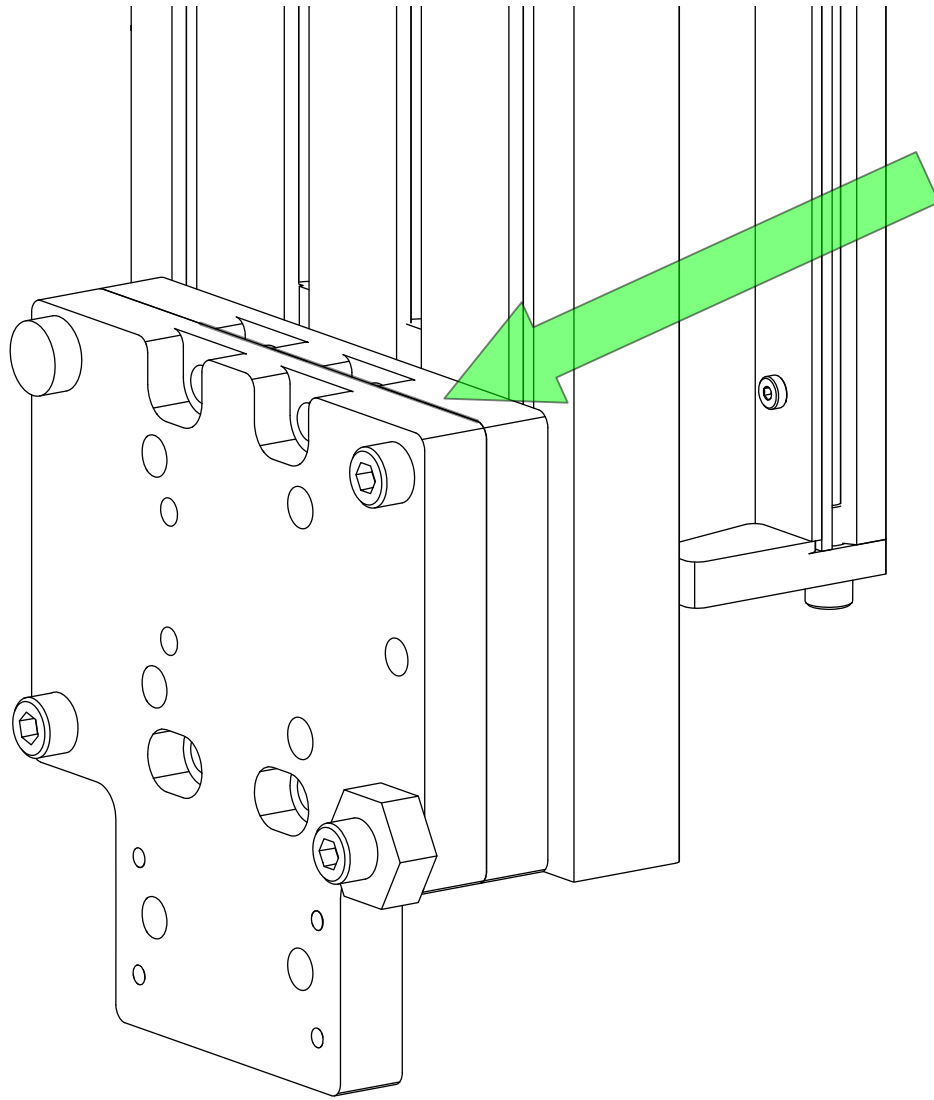
- Tighten the highlighted fasteners.

- Remove the dowel pin.

- After completing test cuts, you may slightly loosen all four of the mounting fasteners, and rotate the eccentric bearing to adjust your tram.

- In most installation, tram does not need to be adjusted around the axis parallel to the gantry of the machine. However, if adjustment is required in this direction, a small shim can be placed between the tramming plate and the base adapter, at the top or bottom as needed.