



V-MP9|40 INSTALLATION MANUAL

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CAUTIONS AND WARNINGS

Read, understand and follow all warnings, training materials, and safety instructions for the Smith&Wesson M&P.

CAUTION: CLASS 3R LASER, PRODUCT, LASER RADIATION. DO NOT stare into beam or view directly with optical instruments.

WARNING: Smith&Wesson M&P recoil kits are for training purposes only.

The installation procedures described below are to be performed by trained personnel. For repair and maintenance procedures, please refer to V-MP9|40 Maintenance & Repair manual. Any procedures not covered in either the installation or the repair/maintenance user manuals are considered Factory Maintenance & Repair and it is required that the item be sent to VirTra for repair.

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I. RECOIL KIT COMPONENTS

A. RECOIL KIT ASSEMBLY

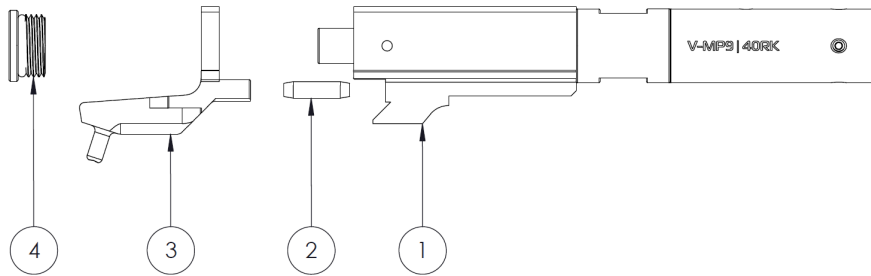


Figure 1: Recoil Kit Assembly

ITEM NO.	DESCRIPTION
1	Barrel Assembly
2	Air Tube
3	Tailpiece
4	Tailpiece Fastener

Table 1: Recoil Kit Components

II. OPERATION INSTRUCTIONS

A. RECOIL KIT INSTALLATION

CAUTION: Before proceeding, make sure the firearm is unloaded and safe.

Field strip the firearm according to the manufacturer's instructions. Store the factory barrel in a safe location. Install the recoil kit into the S&W M&P as shown below.

- Remove the Tailpiece (Figure 1, #3) and Tailpiece Fastener (Figure 1, #4) from the recoil kit as shown in the figure. Use the VirTra Wrench from the V-S&W M&P recoil kit to unscrew the Tailpiece Fastener.



Figure 2: Kit Components

- With the bottom of the slide turned up, place the Barrel Assembly (Figure 1: Recoil Kit Assembly #1) into the slide with the barrel lug turned up (Figure 3). Ensure the Air Tube (Figure 1, #2) is installed in the Barrel assembly as shown.



Figure 3: Barrel Assembly Install

- Seat the front of the factory guide rod assembly in the front of the slide (muzzle end). Compress the recoil spring enough to seat the rear of the guide rod into the assembly notch of the barrel lug (Figure 4).

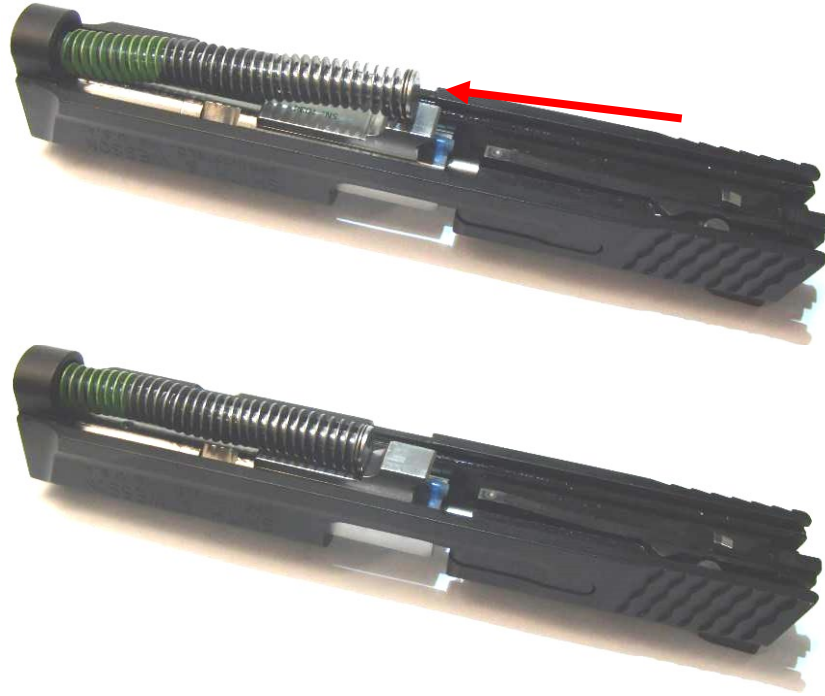


Figure 4: Recoil Spring Install

- Place the rear end of the slide rails onto the front end of the frame rails (Figure 5).



Figure 5: Installation of Slide onto Frame (1 of 3)

- While firmly holding the pistol with one hand, pull the slide back to its fully-rearward position. While the slide is in the rear position, lift the slide release lever with the thumb of the hand holding the grip. The slide will now remain in rear position (Figure 6).



Figure 6: Installation of Slide onto Frame (2 of 3)

- Rotate the takedown lever counter-clockwise 90 degrees to lock the slide and barrel (Figure 7).



Figure 7: Installation of Slide onto Frame (3 of 3)

- Release the slide slightly, exposing the end of the barrel block and insert the Tailpiece (Figure 1, #3) into the ejection port. Press the Tailpiece into the barrel block so that the Air Tube (Figure 1, #2) engages both pieces. This can be done easily by letting the slide close on the Tailpiece after it has been lined up (Figure 8).



Figure 8: Tailpiece Install

- Install the Tailpiece Fastener (Figure 1, #4) and tighten with the VirTra Wrench in the clockwise direction until tight (Figure 9). Ensure the sides of the Tailpiece are well aligned with the Barrel Assembly (Figure 1, #1) to prevent it from turning and sticking out of the ejection port. Even small misalignment can compromise the performance of the recoil kit and shorten the lifespan of the Air Tube (Figure 1, #2).
Ensure the tailpiece is flush with the barrel block and the tailpiece nozzle aligns with the magazine top fill port. It might be necessary to adjust the tailpiece from side to side before completely tightening down the fastener.



Figure 9: Tailpiece Fastener Install

- Insert pressurized CO2 magazine. Weapon is ready to fire.

B. BEFORE USE/LUBRICATION

Lubricate the weapon and recoil kit daily using an approved lubricant as shown in the Repair and Maintenance manual.

Approved Lubricant: **Slip 2000** or **Lucas Oil**

See repair/maintenance manual for more specific instructions.

C. MAGAZINE

The CO2 magazine is refillable via the VirTra CO2 Refill Station and the table clamp refill nozzle. To refill the CO2 magazine in the refill station, place the CO2 magazine into the corresponding guide block and insert into the station. To refill the CO2 magazine using the table clamp nozzle, push the magazine onto the nozzle until the magazine is full.



Do not store pressurized CO2 magazines overnight. Make sure to expel any gas at the end of the day by following this procedure:

- Fire the weapon until there is not enough pressure to cycle the slide.
- Take the magazine out and insert a depressurization tool.
- Wait 30 seconds to allow any frozen CO2 to thaw and insert the depressurization tool again.

D. DISASSEMBLY

Follow the steps outlined in 'Recoil Kit Installation' in reverse order to remove the VirTra Recoil Kit, with one exception: after removing the magazine and tailpiece, lower the **YELLOW** sear deactivation lever (also called magazine safety lever). This can be done by locking the slide to the rear and pushing the sear deactivation lever forward and down using the M&P frame tool (or a similar device). See Figure 10. Continue following the steps outlined in 'Recoil Kit Installation' in reverse order.

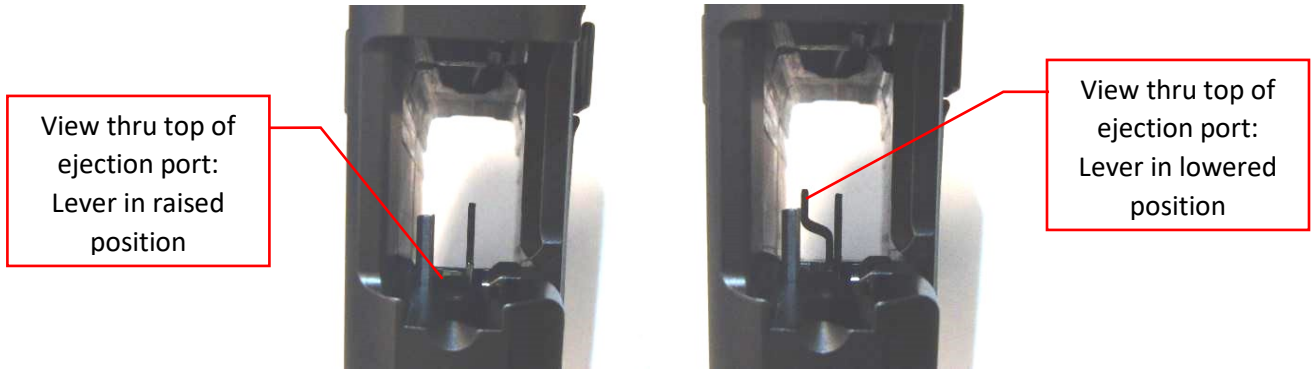


Figure 10: Sear Deactivation Lever

III. CONTACT VIRTRA

For any questions or additional help with any part of this manual, please contact VirTra via the information below.

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