



V-MP5-RK INSTALLATION MANUAL

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CAUTIONS AND WARNINGS

Read, understand and follow all warnings, training materials, and safety instructions for the H&K MP5.

CAUTION: CLASS 1M LASER, PRODUCT, LASER RADIATION. **DO NOT** stare into beam or view directly with optical instruments.

WARNING: V-MP5-RK 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-MP5-RK Repair and Maintenance 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

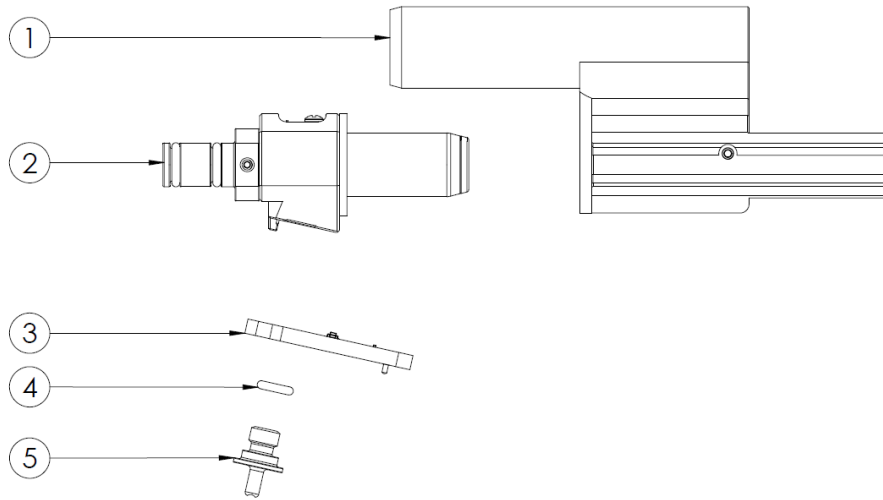


Figure 1: Recoil Kit Assembly

ITEM NO.	DESCRIPTION
1	Bolt Carrier
2	Charge Chamber
3	Adapter Plate
4	Nipple O-ring
5	Charge Chamber Nipple

Table 1: Recoil Kit Components

II. OPERATION INSTRUCTIONS

A. RECOIL KIT INSTALLATION

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

Follow H&K's field stripping instructions to remove the factory bolt group. Remove the factory recoil spring and guide rod assembly from the factory bolt head carrier and place the rest of the factory bolt carrier group in a safe spot. Install the recoil kit into the H&K MP5 as shown below.

Note: This recoil kit only fits the standard 9mm variant of the MP5. It will **NOT** fit the MP5-K, MP5/10 or MP5/40 variants.

- Remove Adapter Plate (Figure 1, #3) and Charge Chamber Nipple (Figure 1, #5) from Charge Chamber (Figure 1, #2) and set aside.



Figure 2: Remove Adapter Plate and Charge Chamber Nipple

- Insert Charge Chamber (Figure 1, #2) through upper receiver (o-rings first) and seat against breech face of barrel. Charge Chamber will only seat fully if nipple hole faces magwell.



Figure 3: Charge Chamber Installation

- Pass Adapter Plate (Figure 1, #3) and Charge Chamber Nipple (Figure 1, #5) through magwell and place onto exposed face of Charge Chamber (Figure 1, #2). Align hole in adapter plate with nipple hole of charge chamber. Adapter plate must be installed with pogo pins and VirTra logo facing out. Take care not to damage pogo pins.



Figure 4: Adapter Plate Installation

- Use custom tool (supplied by VirTra) to tighten charge chamber nipple. Do not over-tighten.



Figure 5: Charge Chamber Nipple Tightening

- Install Bolt Carrier (Figure 1, #1) in upper receiver by sliding grooves of Bolt Carrier onto rails of upper receiver. Push Bolt Carrier forward until it comes to rest against back of Charge Chamber (Figure 1, #2). Note: Charging handle must be in the forward position during this step.



Figure 6: Bolt Carrier Group Installation

- Insert factory recoil spring and guide rod assembly through back of upper receiver and into hole in back of Bolt Carrier (Figure 1, #1).



Figure 7: Factory Recoil Spring and Guide Rod Assembly Installation

- Reattach the lower receiver and butt stock by following H&K's field stripping instructions in reverse order.



Figure 8: Final Assembly of Weapon

B. BEFORE USE/LUBRICATION

Lubricate the weapon following normal manufacturer instructions. VirTra's recommended cleaning/lubrication product is 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. For the refill station, simply place the CO2 magazine into the corresponding guide block and insert into the station. For the table clamp nozzle, simply push the valve on the top of 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 to remove the VirTra Recoil Kit and install factory components.

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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