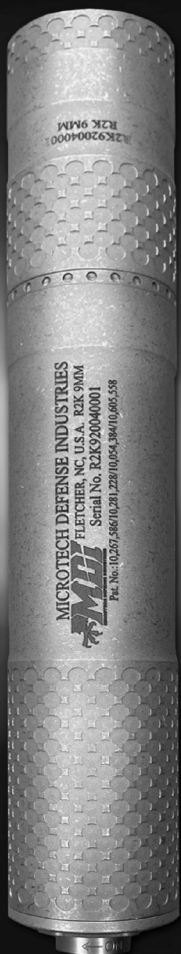


SILENCE THE COMPETITION



MICROTECH DEFENSE INDUSTRIES
FLETCHER, NC, U.S.A. R2K9MM
Serial No. R2K920040001
Part No. 10,267,586/10,281,228/10,054,380/10,605,558

R²K9

2020 OWNERS MANUAL

OVERVIEW

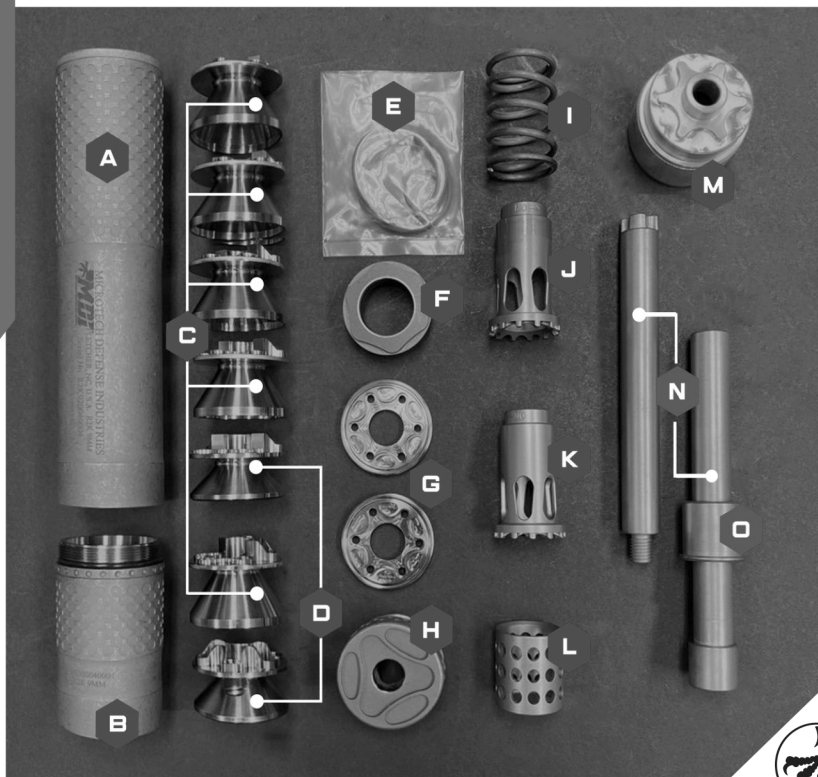
The R2 K9 is a modular, user serviceable suppressor that can be used in either wet or dry application. This suppressor is full auto +P rated for use with any type of 9mm ammunition. Subsonic (300 Blackout) ammunition may be used with a moderate rate of fire. The tubes, baffles, retainers, and end caps are made of titanium and can be cleaned in ultra sonics, steel tumblers, or solvent tanks without any degradation to the parts or components.

WHAT'S INCLUDED

1. Main tube body with a stack of 5 baffles and retainer (the "K" unit) Parts A, Cx4, Dx1, G
2. Accessory module with a stack of 2 baffles and a retainer (can be attached to the main tube body for maximum dry sound suppression) Parts B, Cx1, Dx1, G
3. End cap which may be used on the end of either the "K" or the accessory module (the end cap also doubles as a full disassembly tool when used in conjunction with the PRC) Part H
4. Pistons in either 13.5 x 1LH or 1/2 x 28 depending on your host firearm Part J or K
5. Return spring for the piston assembly Part I
6. Piston retainer cap (PRC), (may be used as a baffle retainer removal tool when used in conjunction with the end cap) Part F
7. Fixed barrel spacer Part L
8. Armorer's tool for removal of the piston retainer cap (PRC) or the baffle retainer Part M
9. Two piece push rod for baffle stack removal Part N
10. Push rod guide Part O
11. O-rings Part E

PRODUCT PARTS KEY

- A. "K" UNIT
- B. ACCESSORY MODULE
- C. LONG BAFFLES (5)
- D. SHORT BAFFLES (2)
- E. O-RINGS
- F. PISTON RETAINER CAP (PRC)
ALSO BAFFLE RETAINER REMOVAL TOOL
- G. BAFFLE RETAINER
- H. END CAP/ PRC REMOVAL TOOL
- I. PISTON SPRING
- J. 1/2 X 28 PISTON
- K. 13.5 X 1LH PISTON
- L. FIXED BARREL SPACER
- M. 2 SIDED ARMORER'S TOOL
- N. 2 PIECE PUSH ROD
- O. GUIDE



KEY POINTS

1. We recommend cleaning the internal tubes, baffles, and piston assembly every 300 rounds. A basic wipe down with solvent will suffice. For carbon deposits, a brass scraper on the inside of the tube will allow baffles to be inserted freely.
2. When using as a wet suppressor, a capful of water from a standard drink bottle will suffice (approximately 5cc).
3. The “K” unit and full length configuration will work with or without the end cap installed. The end cap does NOT need to be in place to use the suppressor. However, we recommend using the end cap as this will help protect the internal threads from debris and damage as well as giving extra decibel reduction.
4. When using the suppressor with the spring installed, be aware that you can “tune” your impacts by pulling outward on the suppressor and indexing the serial number to specific locations, like a clock face.



Make sure the suppressor is not too hot to touch when “tuning” the suppressor for the host firearm.

SHOOTING THE SUPPRESSOR

Make sure you know what thread pattern is on your barrel. Choose the proper piston to fit your barrel and install the suppressor. Make sure that you use sufficient force to keep the suppressor from becoming loose while firing.

For extended periods of shooting it is recommended that a dab of anti-seize be applied to the threads of either the host barrel or the internal piston threads.

Check occasionally to make sure the suppressor has not become loose after strings of fire.

Shoot the suppressor in either the “K” configuration or the full-length configuration depending on the user’s application.

Allow the suppressor sufficient time to cool before touching it or laying it on anything that can be melted.

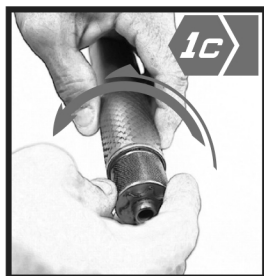
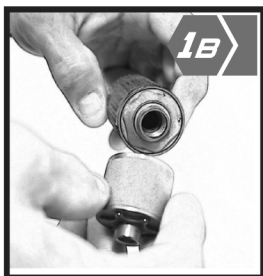


Eye protection is always recommended when shooting any firearm.



CHANGING THE PISTON

1. To remove or change the piston, simply use the inside profile of the endcap to unscrew the piston retainer cap (PRC). You may also use the armorer's tool for removal.



2. Remove the piston retainer cap and spring, and pull on the piston to remove it from the suppressor.

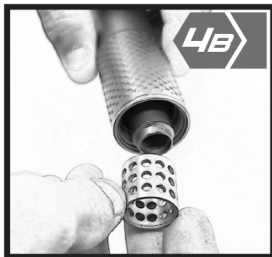


! *If you have neglected to clean the suppressor after multiple outings, you might have to screw the barrel onto the piston to help facilitate removing the piston. MAKE SURE THE FIREARM IS UNLOADED! This will provide additional pulling power to break up any carbon residue that might have accumulated. Never use pliers, channel locks, or anything with teeth to grab the piston as this will damage the smooth surface that the gaskets ride upon.*

3. Replace piston and place the spring around the piston before screwing on the piston retainer cap.



4. If you are attaching the suppressor to a fixed barrel host, the spring is not necessary. You may simply remove the spring and place the fixed barrel spacer around the piston before replacing the piston retainer cap.



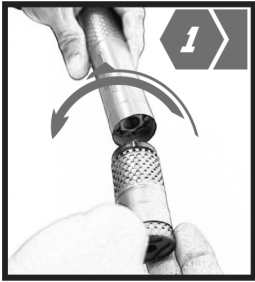
REMOVING BAFFLES

DISASSEMBLY FOR CLEANING PURPOSES

1. Begin by removing the accessory module from the "K" unit.
2. Remove the PRC, piston and spring.
3. Using the endcap in conjunction with the PRC, remove the baffle retainer.

SEE NEXT PAGE FOR FIGURES 1, 2, AND 3.

STEPS 1-3 ON PREVIOUS PAGE.

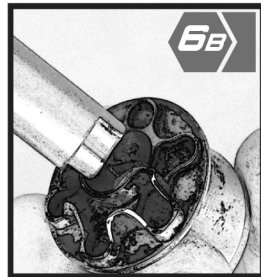
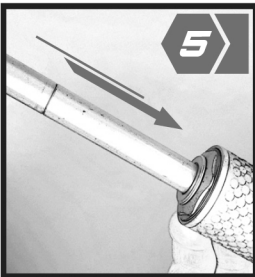


4. Replace the PRC onto the end of the "K" unit and insert the push rod guide into the PRC.



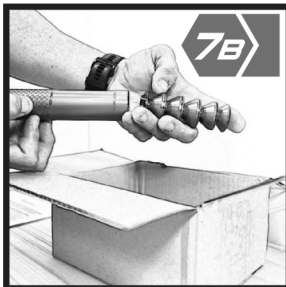
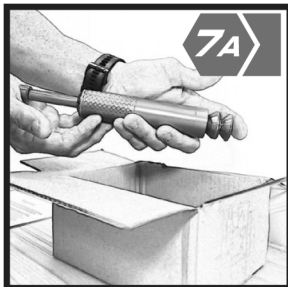
5. Insert the push rod into the guide.

6. Make sure the end is indexed properly in the end of the baffle .



7. Using an open palm you should be able to push the baffles out of the tube.

! Make sure you are working over a soft surface so as not to push and drop the baffles onto a hard surface. A small box or pouch can help catch the baffles coming from the tube.



8. To disassemble the accessory module, simply remove the baffle retainer and push the baffles out using your thumb or push rod if needed.



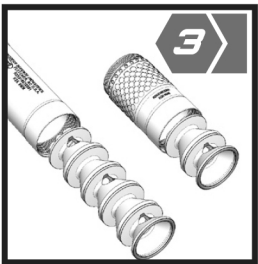
We recommend using a 50/50 solution of an all-purpose cleaner and water in an ultrasonic cleaner. One hour should remove most of the carbon buildup on the baffles. Use a bronze brush with solvent to remove carbon from within the tubes, baffles, or the pistons if needed.

ASSEMBLY

1. Begin with the “K” tube, making sure the interior tube is free from any buildup or excess residue.
2. Pick up 4 long baffles and 1 short baffle and stack them by alternating the baffles 180° to each other with the short baffle last.



3. Looking down on the baffles you should see holes facing up, down, up, down, and up on the short baffle (*it also has a gasket on the end*).
4. While holding the “K” tube in one hand and the aligned stack in the other, insert the stack into the tube with the 3 holes lined up closely with the serial number.



5. Rotate the stack until it drops into place.



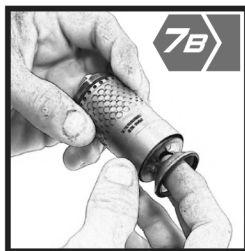
It is imperative that the baffles are seated properly in the suppressor.

6. Using the supplied assembly tool or PRC, screw the baffle retainer down into the “K” tube clockwise using medium pressure once the retainer touches the gasket on the short baffle. It is NOT necessary to overtighten the baffle retainer.



Make sure not to cross thread the baffle retainer when screwing it into the tube.

7. Pick up the last two baffles to assemble the accessory module. The long baffle will have the hole facing down and the short baffle will have the hole facing up.



8. Using the same technique as assembling the “K” baffles, insert the baffles into the tube with the hole on the last baffle in line with the serial number markings on the tube.

9. Insert the baffle retainer into the threaded accessory module and use light pressure clockwise making sure not to cross thread the retainer.

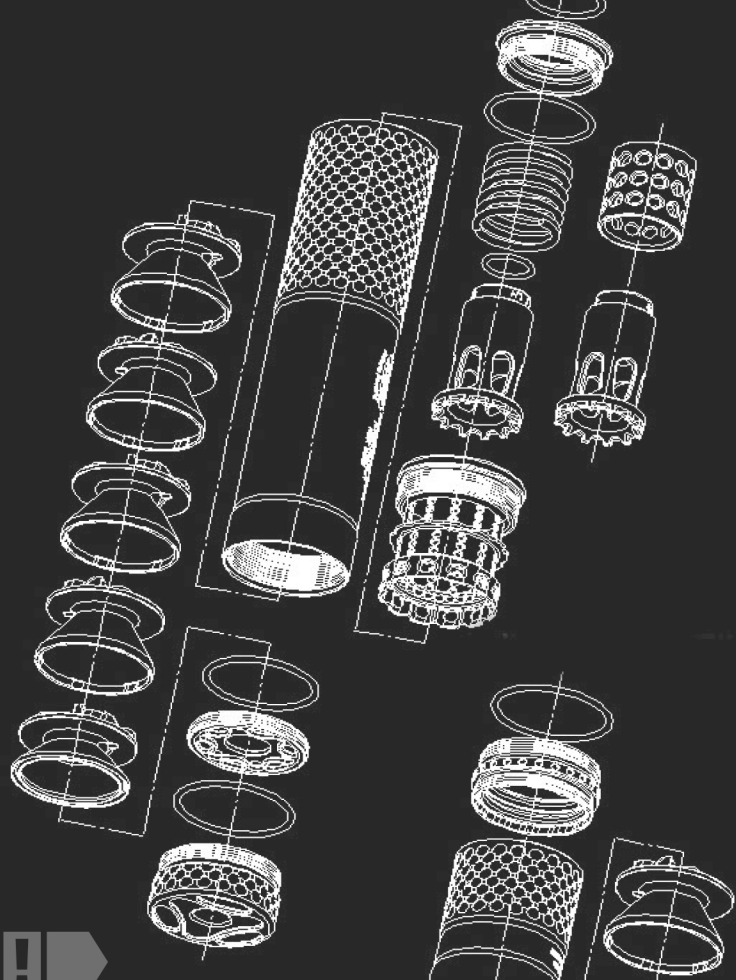
10. Install the accessory module onto the “K” assembly. If the accessory module does not seat all the way down onto the “K” module, this means that the baffle stack is not in the proper position and must be checked for alignment.



11. Lastly, screw the end cap onto the accessory module. If the cap does not sit flush with the accessory module body, then the baffles are not in the proper position.



12. Remove the guide from the PRC and assemble the piston and spring within the unit.



IMPORTANT NOTES ON O-RINGS AND EXTERNAL COATINGS

Always use oil on the O-ring gaskets to preserve the life of the gaskets. Inspect gaskets often and replace only when necessary. O-rings should be replaced when they have become worn or damaged. Replacement O-ring kits can be ordered directly through Microtech Defense Industries.

We do not provide warranty coverage on external coatings or finishes. External wear to the suppressor is normal.



R²K9



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