

KCI USA AR 15 100Rd MAG

OWNER'S MANUAL



KCI USA INC

180 Cassia Way Suite 510, Henderson, Nevada 89014

P. (702) 888-3428 F. (702) 888-3518

KCIUS.COM



PREFACE

Manufactured in Korea with the finest quality and the highest standard, the KCI Magazine is the world's famous ammunition magazine.

KCI, which has been around for over twenty-five years, has designed a magazine that exceeds NATO Military Specifications. It is capable of being pre-loaded and stored indefinitely with a full 100 round capacity. In addition, it obtains the capacity to be reloaded and reused repeatedly with and with an estimated lifecycle of more than 50,000 rounds. KCI Magazine provides equal distribution of the ammunition in each of the twin-drums. Rounds are fed alternately from each drum through the feed clip into the weapon, resulting in a fixed center of gravity during fire.

Our KCI Magazine has a unique rotation device and low torsion stress springs that are installed in the weapon like the standard issue magazine.

TECHNICAL DATA

AMMUNITION: NATO standard 5.56, .223 caliber

CAPACITY: Variable, 1-100 rounds

FEED RATE: Variable, up to 1,500 rounds/minute

DIMENSIONS: 9.85 x 4.60 x 3.13 Inches/250 x 117 x 79.5 Millimeters

WEIGHT: 2.2lbs / 1kg unloaded

MATERIALS: Filled thermoplastic; Non-corrosive steel; alloy

DESCRIPTION

The KCI AR 15 100rd MAG consists of two main assemblies:

-Double Drum Housing

-Feed Clip Assembly.

LOADING

-KCI AR 15 100rd MAG loads and functions similar to a standard issue magazine.

-Live cartridges are loaded by pressing into the feed clip located on top of the spacer round assembly. Cartridges automatically feed alternately into each drum, e.g. right then left. There is no need for additional procedures. Magazine does not need to be completely emptied to be reloaded and remains working at all times. Load with the Personal Loader. The Personal Loader utilizes loose or bulk ammunition. The housing fits over the feed clip of the KCI AR 15 100rd MAG. Raise the plunger and insert 5 rounds into the side opening of the housing. Push down plunger to load the rounds into the KCI AR 15 100rd MAG.

KCI AR 15 100Rd Loading Action

- LEFT side of the feed clip loads into the LEFT drum
- RIGHT side of the feed clips loads into the RIGHT drum

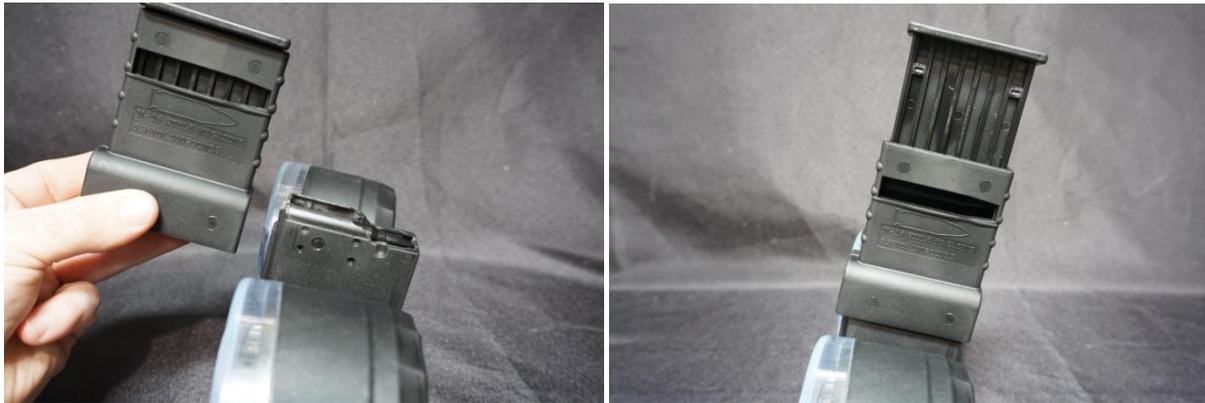
Use of the Personal Loader

The Personal Loader utilizes loose or bulk ammunition.

Components:

- Housing:** Fits over the clip of the KCI AR 15 100 Rd MAG
- Plunger:** Raise the Plunger and insert 5 rounds into the side opening of the housing, push down plunger to load the rounds into the KCI AR 15 100 Rd MAG.

CAUTION: DO NOT FORCE LOADING

STEP 1:

Orient the Personal Loader as shown and place the loader firmly on the tower. Lift the plunger while keeping the loader placed firmly on the magazine tower.

STEP 2:

Rounds can be loaded up to 5 at a time by filling the loader and pressing the plunger downward firmly.

CAUTION: DO NOT FORCE LOADING.

STEP 3:

The magazine is fully loaded when a cartridge is visible through the molded windows on the rear covers.

CAUTION

During use in sand environment:

- Bolt is kept closed when KCI AR 15 100rd MAG is in the weapon.
- Dust cover must be on the feed clip when KCI AR 15 100rd MAG is not in the weapon.
- Keep KCI AR 15 100rd MAG in its pouch when not in use.

DISASSEMBLY OF THE KCI AR 15 100Rd MAG

Disassembly for cleaning:

- Take empty KCI AR 15 100RD MAG and remove clip assembly
- Remove clip screw (x2). Begin with the front screw on the drum side then the back screw on the cover side
- Turn the KCI AR 15 100Rd MAG over and remove the clip strap as well as the feed clip assembly
- From the feed clip, remove the linked spacer round string set
- Remove the cover set

CLEANING

Once disassembled:

- For dirt, sand gravel and of the kind: Use soft cloth, flush with clean water, or compressed air.
- For mud, sand, silt and of the kind: Soak in water (with detergent if desired) to saturate deposits and flush with clean water.

Disassembly to clear blockages:

- Remove clip assembly and check for blockage
- KCI AR 15 100rd MAG should be pointed away from and human contact and control release of rounds by holding the clip down
- Remove the cover set
- Be sure to be cautious of accidental release of rounds and point away from any human contact
- Dislodge ammunition by slowly rotating the drive gear
- If necessary shake the drum assembly. Be SURE the drive mechanism does NOT snap back into place.

DISASSEMBLY

STEP 1:



To begin disassembly, start by removing the two screws holding the floor plate to the magazine tower.

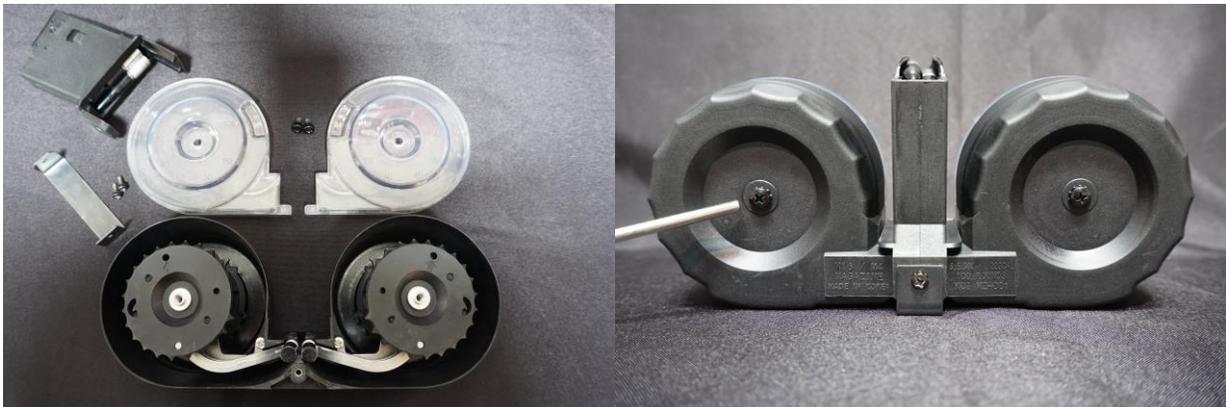
STEP 2:



Set the floor plate and screws to the side and separate the tower from the magazine body. **NOTE** - Holding the magazine upside down will help to contain the followers inside the tower during disassembly

STEP 3:

Remove the two screws in the center of the clear covers and set aside. The rear covers will then separate from the body by prying the covers up and outward from the center of the magazine body. This separation may require considerable force. Prying with tools is **NOT RECOMMENDED** as damage to the covers may occur.

STEP 4:

No further disassembly is required beyond the point shown here. Any maintenance or clearing of a malfunction can be done without further disassembly. **WARNING:** *At no point should you remove the two screws on the front side of the drum. These screws retain the spring mechanism. Removal of these screws will cause the spring mechanism to dismantle and cannot be reassembled by the user.*

REASSEMBLY

STEP 1:



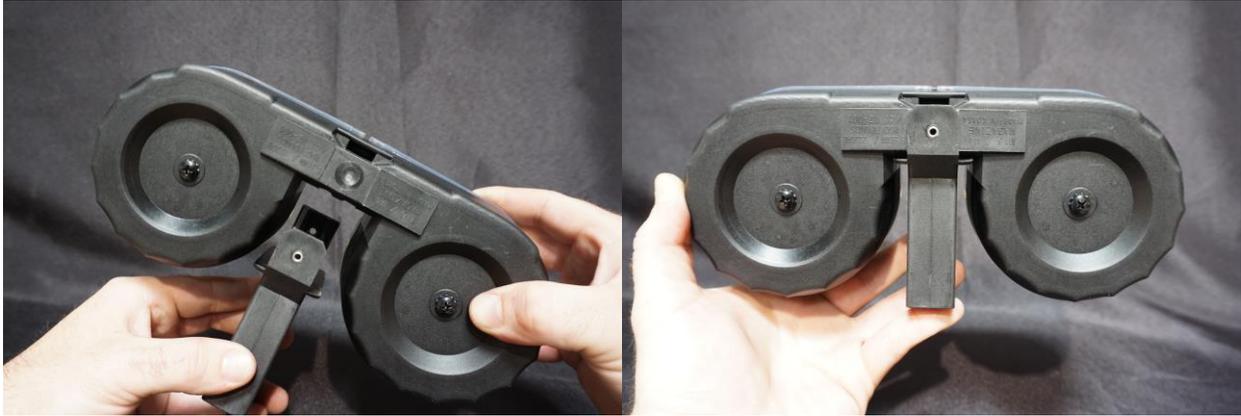
To reassemble, start by replacing the two rear covers and reinstalling the two screws that hold the covers to the drum.

STEP 2:



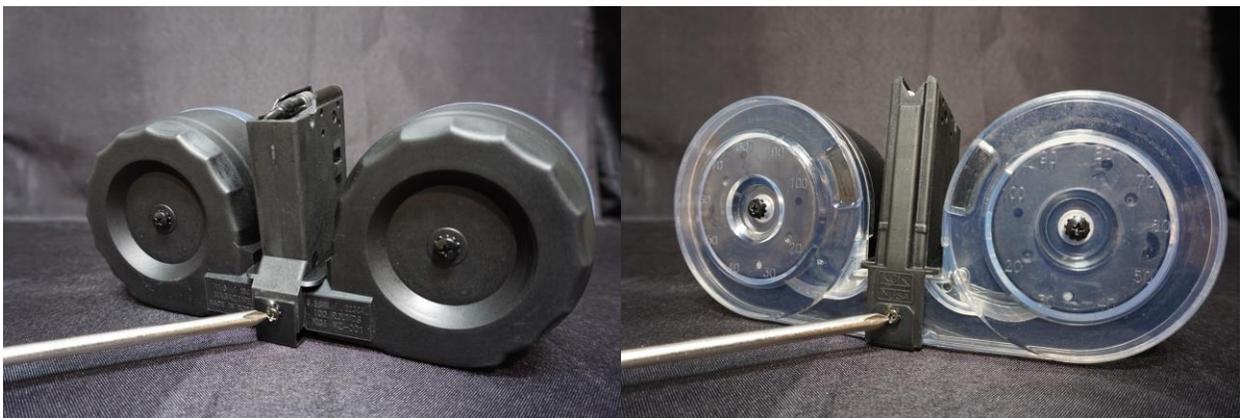
Insert the followers into magazine tower. Be sure to position them parallel to one another and with the tapered follower in the highest position. *Inserting the followers inverted is a helpful method.*

STEP 3:

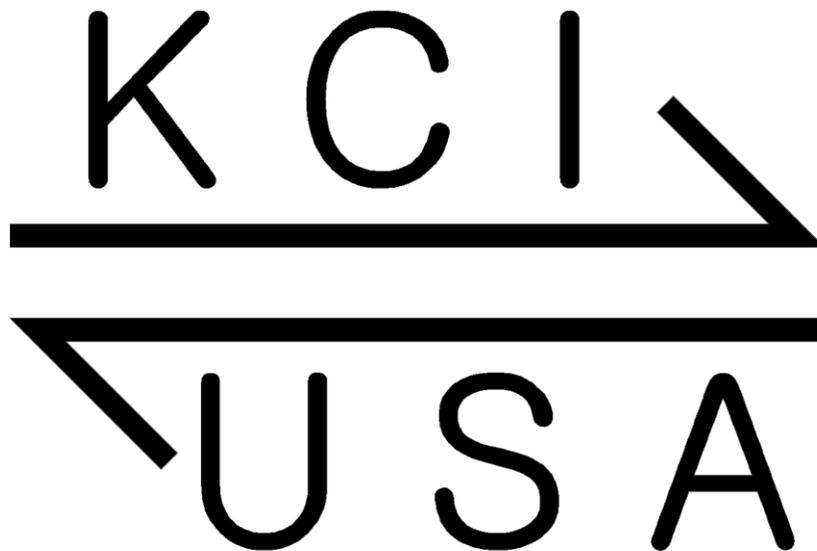


Holding the magazine body and tower upside down, reconnect the tower to the magazine body.

STEP 4:



Reposition the magazine floorplate and install using the two screws shown.



GENERAL SAFETY INFORMATION

NOTE: A firearm is capable of discharging when the magazine is removed. Always check the chamber to make sure that there is no cartridge left in the chamber. Never hand cycle live ammunition through a firearm. Firearm safety is the sole responsibility of the shooter. Always treat firearms as if they are loaded. Never point firearms at a person or pet, even if you think it is unloaded.

This instructional manual describes the proper use of the product and is for injury prevention. The user must read and follow this instruction. The warranties and liability established by KyungChang on the product will be voided if the product is not used in accordance with the instructions of the manual.

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