

# AR-15 Bolt Cleaning and Disassembly with Brownells Ejector Tool

**Make sure rifle is unloaded.**

**1.** Separate lower receiver from upper receiver and pull rearward on charging handle and remove bolt carrier assembly from upper receiver.



**2.** Remove firing pin retaining pin with small 1/8 inch punch and then tap out firing pin.



**3.** Press and hold bolt slightly rearward in bolt carrier. Rotate and remove bolt cam pin. Remove bolt from carrier.



**4.** Remove bolt from bolt carrier.



**5.** Slightly depress extractor with thumb to retain it and push out extractor retaining pin with punch, then remove extractor pin.

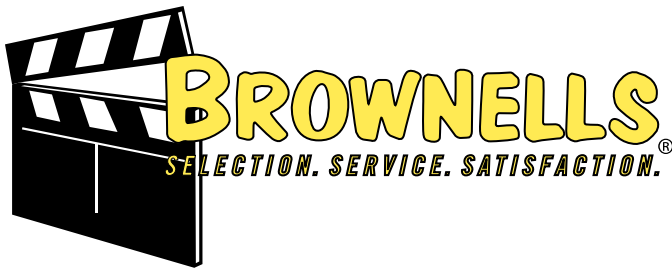


**6.** Remove extractor from bolt and keep track of extractor spring.



**7.** Place bolt into cradle of ejector removal tool, turn hand screw so tip contacts plunger style extractor – make sure ejector retaining pin is over slot in handle support. Also make sure ejector retaining pin aligns with the holes in the bolt cradle. Continue turning handle in until you feel the tip bottom out on the bolt face.





**8.** Take an appropriate punch and drive out ejector retaining pin into recess in tool and pull out the punch.



**10.** Remove ejector spring from bolt and clean as required.



**Reassembly:**

**12.** Place bolt with ejector and spring back into fixture cradle, Compress the ejector spring by turning in the hand screw until the screw tip, bolt face and ejector are flush. Notch on ejector needs to be in line with retaining pin hole and alignment can be checked with small punch.



**14.** Reassemble bolt and bolt carrier in reverse order.



**9.** Slowly back out hand screw and remove ejector.



**11.** Insert ejector spring and then ejector into ejector hole. Use punch as needed to make sure retaining slot of ejector is oriented correctly to accept ejector retainer pin. Install ejector retainer pin then check ejector function. Check ejector function.



**13.** Place retaining pin into retaining pin hole and tap into place with punch and hammer.



**15.** Complete reassembly of firearm and check bolt function.

