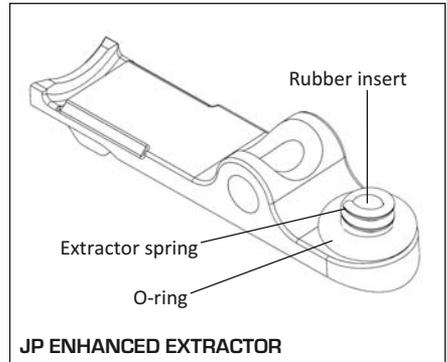


CAUTION: REMOVE MAGAZINE AND VISUALLY CHECK CHAMBER TO ENSURE THAT FIREARM IS UNLOADED.

Engineered to provide a much longer service life than standard extractors, the JP .308 Enhanced Extractor is an easily swappable component for any DPMS pattern bolt to eliminate extraction problems, premature extractor failure and other malfunctions resulting from the extractor not clearing the case rim. While designed to remedy these extractor-specific problems, the JP Enhanced Extractor will not solve issues stemming from poor chambering or over-gassing. If your rifle continues to experience extraction issues with this component installed, the problem lies elsewhere. Refer to the section below regarding such failures.



To remove your existing extractor, use an appropriately sized punch to drive out the extractor pin. On all current JP EnhancedBolts, this pin can be inserted/removed in only one direction. With the pin out, the extractor will then be easily removable and should retain the extractor spring, which need not be removed from the extractor.

Install the JP Enhanced Extractor in the same manner making sure that the extractor spring with rubber insert and the O-ring remain in assembly.

ADDITIONAL EXTRACTION ISSUES

Although much development, thought and testing have been put into optimizing the performance and durability of this extractor, it is important to know that other factors enter into an extraction failure and some of these are beyond the ability of any extractor to overcome. If you have a rifle that has extraction issues, it is important to find and address the root causes that may not be related to design deficiencies of the extractor itself.

Note that if you see the rim of fired cases slightly bent to the rear from extraction, this is an indication that your rifle is on the verge of not extracting or breaking the rim off the case. These cases should then be discarded and not reloaded. The cause of this should then be determined and addressed.

1. Over-pressured ammunition causes the case to extrude into every minor imperfection in the walls of the chamber. The case will then stick and fail to release from the chamber during the firing process. For reliable extraction, the case must relax and release the chamber during the firing cycle.
2. Port pressure that is too high or too sudden will cause the extractor to break the rim off the case before it has a chance to release the chamber. Excessive port pressure causes too rapid a pressurization of the bolt/carrier assembly, which in turn attempts to extract the case too quickly before it is "ready" to come out. If the port is close to the chamber as in the carbine port position, this exacerbates the problem further. An adjustable gas system can usually solve this issue.
3. Micro flaws in the chamber of any self-loading rifle are an invitation for a malfunction. If the chamber has reamer marks, scratches from sand or grit, rust pits or any negative features into which brass from the casing can extrude during the firing process, this will literally lock the case in the chamber and defeat the best of extractors. If these anomalies are not overly severe, the chamber may be recoverable with a good polish. Rust pits, however, usually spell the end of a good barrel. A ring depression from a bad or fouled reamer is also not recoverable, and the upper will have to be re-barreled.

THANKS FOR YOUR BUSINESS!