



## MUZZLE ATTACHMENTS

- JAM NUTS
- CRUSH WASHERS
- PEEL WASHERS

**CAUTION: REMOVE MAGAZINE AND VISUALLY CHECK CHAMBER TO MAKE SURE THAT FIREARM IS UNLOADED.**

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### JAM NUT

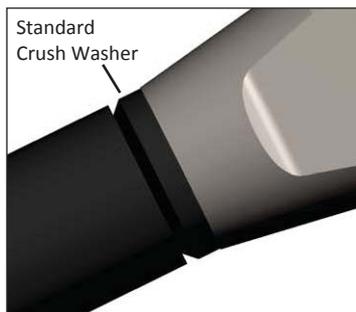
1. Remove any existing muzzle device.
2. Clean muzzle threads with solvent.
3. If a more permanent attachment is desired/required apply a thread locking compound such as Loctite® 243 to the threads on the muzzle and to the threads of the jam nut and muzzle device.
4. Thread the jam nut onto the barrel.
5. Turn the jam nut on until it will go no further.
6. Install the muzzle device and thread it on until there is about 1/32" - 1/64" of clearance between it and the jam nut.
7. Time the muzzle device to the rifle (if desired or required per manufacturer's instructions) by turning device clockwise or counterclockwise.
8. Hold muzzle device fixed in the desired position with an appropriate wrench.
9. Thread the jam nut towards the muzzle device until the jam nut touches it.
10. With a second appropriate wrench, tighten the jam nut against the muzzle device.
11. Verify that muzzle device is tight and still in the desired position. If not, repeat the above steps.

### CRUSH WASHER

1. Remove any existing muzzle device.
2. Fit the crush washer onto the barrel.

Standard crush washers are conical. The tapered end of the cone points towards the receiver. The large end of the cone goes towards the muzzle treatment. JP Double Crush Washers are reversible and can be installed in either direction.

3. Clean the muzzle and muzzle device threads with solvent.
4. If a more permanent attachment is desired/required, apply a thread locking compound such as Loctite® 243 to the threads on the muzzle and muzzle device.
5. Thread your muzzle device onto barrel until it touches the crush washer.
6. Refer to your muzzle device manufacturer's instructions as to how your device should be timed/positioned.
7. Slowly tighten your muzzle device, checking frequently until it is timed/positioned correctly.
8. If you overshoot your desired timing position, the crush washer is ruined and you will have to start the process over with a new crush washer.



## **PEEL WASHER**

1. Remove any existing muzzle device.
2. Fit peel washer onto the barrel.
3. Thread the muzzle device onto the barrel and tighten until it touches the peel washer.
4. Tighten the muzzle device.
5. Refer to the muzzle device manufacturer's instructions on how the device should be timed/positioned.
6. If the device requires further timing/positioning, remove the device and the washer.
7. The peel washer is constructed of many thin sheets of metal that have been bonded together. They can be separated by prying them carefully apart with a razor blade or other tool. Remove one of the laminations and reassemble the barrel, peel washer and muzzle device. If further clocking/positioning is required remove another lamination and check again. Continue this process until the desired clocking/positioning is achieved.
8. If a more permanent installation is desired, clean muzzle and muzzle device threads with a solvent. Apply a thread locking agent such as Loctite® 243 to the threads and reassemble.
9. Tighten the muzzle device.