



J P E N T E R P R I S E S

JP Small-Frame 9mm Compensator
JPTRE-236 (1/2" - 36 TPI)

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JPTRE-236

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PATENTED

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

The JPTRE-236 compensator is threaded to 1/2" - 36, which is the standard thread pattern for most 9mm AR barrels. The following instructions cover the necessary steps to install this comp. on your barrel using a timing device like a jam nut along with recommendations for custom threading the barrel.

PRE-THREADED BARRELS

1. Remove any existing muzzle device, thread protectors, washers, etc. It may be necessary to heat and existing muzzle device to remove if it doesn't easily come off.
2. Clean the barrel threads with a brush and solvent to degrease and remove any grime or fouling present.
3. Place a small amount of thread locker on the muzzle threads, using Loctite® 263 (or equivalent) for a more permanent installation. For a secure, but more removable installation, use Loctite® 243 (or equivalent).
4. Install the JPTRE-236 with whatever timing method/device desired. If you are using a jam nut, crush washer or peel washer and are unfamiliar with their use, you can find instructions on our website at <http://www.jp Rifles.com/4.5.php>. Allow the thread locker to set for 24 hours prior to live fire.

CUSTOM-THREADED BARRELS

For custom threading, we recommend cutting about .625" worth of threads. Best efficiency is achieved by allowing the muzzle to be recessed into the barrel nut of the compensator about a quarter of an inch. This has the effect of forming a "cup," which directs the expanding gas forward into the baffles.

If you are installing the brake on a gun that you are having threaded, instruct the gunsmith to fit the brake to the barrel by removing material from the back of the barrel nut so that the compensator just tightens up in the level position. This eliminates the need for a timing device, resulting in the most cosmetically appealing installation.

CAUTION: After installation, it is imperative that alignment of exit hole and bore be checked visually and with a cleaning rod inserted through brake and barrel to confirm that bullets will not impact the brake. Not all bores are centered in the barrel and not all threaded ends are concentric with the bore. However, the exit hole on this brake is sufficiently oversize to accommodate most reasonable tolerance stack-ups without sacrificing any performance.

BIASING

As produced, JP Compensators are “neutral” in lateral thrust, meaning they have no natural bias to the left or right when firing. However, with just a variable-speed hand drill, the compensator can be easily modified to give a thrust bias into the support hand, which makes the overall impulse of the rifle more linear for off-hand, kneeling or any position shooting other than prone off bipod or weak-hand, in which case the modification will actually work against the shooter.

Our original technique for biasing the JP Compensator was to drill a new hole through the side of the comp on the flat area just behind the first expansion chamber. Since then, we’ve found that it is just as effective, if not more so, to simply open up the holes on top of the comp as needed: the right two holes for a right-handed shooter and the left two for a left-handed shooter.

Conveniently, this modification can be performed without removing the compensator from the barrel. Simply lock the barrel securely in a padded vise so that you can easily access the comp. The top holes of all JP Compensator models are 1/8” as manufactured, so begin by opening the holes up with a 5/32” drill bit. Test the modification by putting a few rounds through the rifle. Then, incrementally increase the hole size as desired, testing the rifle after each increase until satisfied.

CAUTION: Muzzle brakes by their very nature redirect high pressure gasses and can blow dirt or other materials present in the shooting area back towards the shooters or bystanders, especially at indoor ranges with enclosed shooting booths. Always wear eye protection and ear protection when shooting or observing.

This device is considered a “compensator” by BATF, not a “flash suppressor” and is not designed or intended to be a flash suppressor.

THANKS FOR YOUR BUSINESS!