



INST-00083

PN: 133001

ENHANCED COMPENSATOR KIT/TRIPLE TAP MUZZLE COMPENSATOR



1. Clean and de-grease the barrel threads and the compensator threads with an aggressive cleaner.
2. Begin with the .031 and .020 shims (.051 total thickness) in place behind the compensator and hand tighten. (Hand tighten will be approximately 1/16 of a turn from top-dead-center (TDC) at final torque value.)

NOTE: if you need to add or subtract thickness to be at top-dead-center: to add or subtract a ¼ turn in compensator rotation is approximately .009 of shim thickness; and likewise 1/16 of a turn is approximately .002 at the final torque value of 20Ft-lbs.

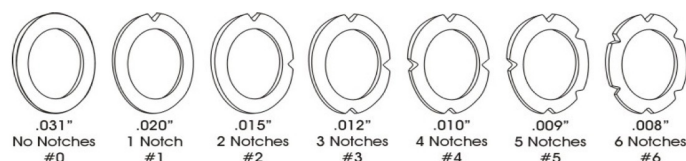
Shim Thickness Identification of Seven-Piece Shim Set. **NOTE:**

Shims are notched for identification as follows:

Use the chart to the right to combine shims to be either less than the .051 starting thickness or more depending on the results of the top-dead-center results from Step 2 above.

EXAMPLE: If your initial TDC location is at 3 o'clock (when viewed from the muzzle), you need to add .009 (or a quarter turn) to the starting stack of .051. So .009 + .051 = .060; or see the line below ".060 = .009 + .020 + .031."

Correct Shim Set Estimation Chart: (all dimensions in inches)



Correct Thickness = Shim Combination *Correct Shim Set Estimation Chart: (all dimensions in inches)*

.033 = .008 + .010 + .015	.051 = .008 + .012 + .031
.034 = .009 + .010 + .015	.052 = .009 + .012 + .031
.035 = .008 + .012 + .015	.053 = .010 + .012 + .031
.036 = .009 + .012 + .015	.054 = .008 + .015 + .031
.037 = .010 + .012 + .015	.055 = .009 + .015 + .031
.038 = .008 + .010 + .020	.056 = .010 + .015 + .031
.039 = .008 + .031	.057 = .010 + .012 + .15 + .020
.040 = .009 + .031	.058 = .008 + .009 + .010 + .031
.041 = .009 + .012 + .020	.059 = .008 + .020 + .031
.042 = .010 + .012 + .020	.060 = .009 + .020 + .031
.043 = .012 + .031	.061 = .010 + .020 + .031
.044 = .009 + .015 + .020	.062 = .009 + .010 + .012 + .031
.045 = .010 + .015 + .020	.063 = .012 + .020 + .031
.046 = .015 + .031	.064 = .008 + .009 + .012 + .015 + .020
.047 = .008 + .009 + .010 + .020	.065 = .009 + .010 + .015 + .031
.048 = .008 + .009 + .031	.066 = .008 + .012 + .015 + .031
.049 = .008 + .010 + .031	.067 = .009 + .012 + .015 + .031
.050 = .009 + .010 + .031	.068 = .010 + .012 + .015 + .031

3. Uninstall the compensator once you have the correct shim piece combination.

4. The Rocksett thread sealant, included with the installation kit is used to seal between the threaded mating surfaces and keeps the compensator from loosening during firing.

NOTE: *Once the Rocksett has been applied to the threads, the compensator must be immediately installed, at a torque value of 20ft.-lbs. With the barrel secured in the proper vice jaws, apply one or two drops each to the barrel threads and then the compensator threads.*

5. Wipe off any excess Rocksett that seeps from the installed compensator. Allow the Rocksett sealant to cure over night, in a warm dry place.

6. After cleaning, ensure that no oil or solvent remains inside the compensator's expansion chamber.

KNIGHT'S TRIPLE-TAP MUZZLE COMPENSATOR NOTES:

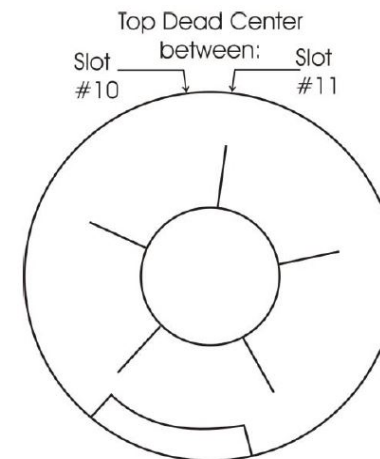
Installation with the enclosed 7-Piece Shim Set and Rocksett Engineering brand hi-temperature adhesive is critical for optimum and safe performance. Be sure to carefully follow the instructions herein, particularly cleaning and de-greasing the compensator and barrel threads and establishing top-dead-center orientation with the correct assortment of shims at the required 20ft.-lbs. of torque.

Do not use a so-called "CRUSH WASHER" as a substitute for the shim set provided.

Periodically clear carbon and firing residue from the compensator's slots with a spare 0.020" shim (shim with only one notch) provided in the product package separately for this purpose.

For Right-Handed Shooters, a slight cant by the width of one bar (when viewed from the muzzle as above) from TDC at 11 o'clock is acceptable.

Likewise, a slight cant of one bar at 1 o'clock is acceptable for Left-Handed Shooters.





KAC

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