BATTLE TESTED EQUIPMENT

PRODUCT CATALOG - 2015

PROUDLY MADE IN THE U.S.A.
Somewhere, at some point, an American died fighting for the Freedom that you are enjoying right now.

- George Urmston, Owner, Battle Tested Equipment
Battle Tested Equipment is an Arizona-based manufacturer of innovative tactical weapons platforms and accessories. Our products have been extensively tested and proven reliable in the field. Our goal is to provide top quality 100% American made products at a fair and honest price. We believe that in doing so we are bringing pride back to American craftsmanship, and in return helping the economy by bringing jobs back stateside. While buying our products you are not only getting the best quality available, you are also helping support the USA and our economy.

625 W. Deer Valley Road
Suite 103-261
Phoenix, AZ 85027
(602) 413-8219
http://www.bte-usa.com
RECEIVER / RAIL HEIGHT GAS BLOCKS

- 3rd Generation now features our "Stay-Set" locking screw to keep the adjustment screw securely in place
- Rail is on same plane as the upper receiver
- Available in Adjustable and Non-Adjustable
- Made of aerospace grade T6 aluminum
- Available in .625", .750", .875", and .936" barrel diameter
- Anodized to Mil-A 8625 Type 3 Class 2 specifications
- Available in Black, Magpul Flat Dark Earth and Magpul Olive Drab
- Will cover A2 sight post pin holes
- Dimensions: 1.825”L x 1.935”H
- 100% made in the U.S.A.
- MSRP:
  - Adjustable
    - .625” and .750”: $49.95
    - .875” and .936”: $54.95
  - Non-Adjustable
    - .625” and .750”: $44.95
    - .875” and .936”: $46.95

*See “Benefits of Using an Adjustable Gas Block” on page 9
STANDARD HEIGHT GAS BLOCKS

- 3rd Generation now features our "Stay-Set" locking screw to keep the adjustment screw securely in place
- Available in Adjustable and Non-Adjustable
- Made of aerospace grade T6 aluminum
- Available in .750” and .936” barrel diameter
- Anodized to Mil-A 8625 Type 3 Class 2 specifications
- Available in Black, Magpul Flat Dark Earth and Magpul Olive Drab
- Will cover A2 sight post pin holes
- Dimensions: 1.825”L x 1.645”H
- 100% made in the U.S.A.
- MSRP:
  - Adjustable
    - .750”: $44.95
    - .936”: $47.95
  - Non-Adjustable
    - .750”: $37.95
    - .936”: $39.95

See “Benefits of Using an Adjustable Gas Block” on page 9
**LOW PROFILE GAS BLOCKS**

- 3rd Generation now features our "Stay-Set" locking screw to keep the adjustment screw securely in place
- Available in Adjustable and Non-Adjustable
- Made of aerospace grade T6 aluminum
- Available in .625", .750" and .936" barrel diameter
- Anodized in Mil-A 8625 Type 3 Class 2 specifications
- Available to Black, Magpul Flat Dark Earth and Magpul Olive Drab
- Will cover A2 sight post pin holes
- Dimensions: 1.825”L x 1.550”H
- 100% made in the U.S.A.
- **MSRP:**
  - **Adjustable**
    - .625” and .750”: $47.95
    - .875” and .936”: $49.95
  - **Non-Adjustable**
    - .625” and .750”: $42.95
    - .936”: $44.95

See “Benefits of Using an Adjustable Gas Block” on page 9
STAINLESS STEEL MICRO GAS BLOCKS

- Available in Adjustable and Non-Adjustable
- Machined out of 17-4 stainless steel for superior strength and corrosion resistance
- Available in .625” and .750” barrel diameter
- Available in Natural, Satin and Black Finishes
- Dimensions: 1.000”L x 1.419”H
- 100% made in the U.S.A.
- MSRP:
  - Adjustable
    - .625” and .750”: $47.95
  - Non-Adjustable
    - .625” and .750”: $42.95

See “Benefits of Using an Adjustable Gas Block” on page 9
MICRO SET SCREW GAS BLOCKS

- Available in Adjustable and Non-Adjustable
- Machined out of carbon steel
- Available in .625”, .750” and 936” barrel diameter
- Parkerized finish
- Will fit inside even the smallest of handguards
- Dimensions approximately: 1.000”L x 1.331-.625” depending on model
- 100% made in the U.S.A.
- MSRP:
  - **Adjustable**
    - .625” and .750”: $33.95
    - .875” and .936”: $34.95
  - **Non-Adjustable**
    - .625” and .750”: $24.95
    - .936”: $29.95

See “Benefits of Using an Adjustable Gas Block” on page 9
The Adjustable Gas Block allows you to control the amount of gas entering the chamber of your rifle, turning your over-gassed rifle into a smooth and reliable precision machine. And think about it, the less gas you allow into the chamber the less mess there is to clean up. Adjustable Gas Blocks are a must for the factory over-gassed rifles of today as well as any suppressed fire. Works great in a Carbine, Mid-Length or Rifle-Length application.

See page 16 for installation instructions.
**BTE AR MATCH TRIGGER**

- Easy to install self-contained drop in unit with tension screws for an absolutely solid mounting
- 3.5 pound single-stage pull
- Made of heat-treated A2 Tool Steel
- Self-contained design eliminates lower receiver pin wear
- Billet aluminum housing Type 3 Class 2 hard anodized
- Ergonomic trigger design allows for natural finger placement for all size hands
- Trigger pad grip serrations make for precise shot control
- 100% made in the U.S.A.
- **MSRP:** $179.95

See page 17 for installation instructions
2nd Generation “Tanker” Gas Assist Charging Handle

- Unique design deflects gas downward and away from the shooter's face
- Designed with heavy input from active duty military and law enforcement
- Ergonomic design allows the weapon to be charged using one hand whether the shooter is wearing gloves or not
- Made of Aerospace Grade 7075 T6 aluminum
- Anodized to Mil-A Type 3 Class 2 specifications
- Available in black, Magpul Flat Dark Earth and Magpul Olive Drab
- Ambidextrous model coming soon!
- 100% made in the U.S.A.
- Please allow 3-5 days lead time for Magpul FDE or OD
- MSRP:
  - AR15 (5.56 x 45mm/.223): $47.95
  - AR10 (7.62 x 51mm/.308): $49.95
SMITH ENTERPRISES VORTEX® MUZZLE DEVICES

Smith Enterprises 5.56 Vortex® Flash Eliminator with 10° Pitch and Helical Grooves 1001V-G6A3

Especially designed to make the SEI Sound Suppressor easier to remove, featuring a shallower pitch and grooves to reduce surface contact and carbon buildup. Heat treated same as all other Vortex’s. ½”x 28 I.D. thread.

Smith Enterprises 5.56 Vortex® G6A2 Sound Suppressor Capable Flash Eliminator 1001V

The world’s best flash suppressor for the M16-AR15 family of firearms, now available for use with SEI Direct Connect (DC) Sound Suppressor. Threaded ½”x 28 x .625-.630±” thread depth.

Smith Enterprises 7.62 Vortex® Flash Eliminator

World’s best flash suppressor available for bolt action sniper rifles (i.e. M40A3, M24 SWS, M110, USMC M40A3, etc.), as well as the SR25, AR-10, and similar semiauto weapons systems. Ideal for 6.8mm SPC applications or up to .30 Cal. Heat treated 8620 CM steel. Threaded ½”x 24 x .735±” thread depth.

100% made in the U.S.A.

MSRP:

1001V-G6A3: $49.95
1001V: $51.95
1000V 7.62: $59.95
**AR-15 GOLF BALL LAUNCHER**

- Threads onto the rifle's muzzle and launches golf balls into orbit
- Heavy duty .750" steel backplate CNC turned 100% concentric to the bore
- Available in Black, Magpul Flat Dark Earth and Magpul Olive Drab
- Available for:
  - AR15 (1/2 x 28”)
  - AR10 (5/8 x 24”)
  - AK47 (14mm)
- 100% made in the U.S.A.
- MSRP: $29.95
LASER ENGRAVED EJECTION PORT COVERS

- Mil-Spec Ejection Port Dust Cover
- Laser engraved
- Fits 5.56 .223 and 6.8 Rifles Sporting Rifles
- Laser engraving is far superior to the diamond engraving because it does not expose unprotected material like the diamond engraving method does
- See next page for a sample of what designs are available
- 100% made in the U.S.A.
- MSRP:
  - $17.95
SAMPLES OF EJECTION PORT COVER DESIGNS

CUSTOM DESIGNS AVAILABLE UPON REQUEST
BTE ADJUSTABLE GAS BLOCK
SET-UP INSTRUCTIONS

For starters, our gas blocks are 100% made in America using only the best quality American made materials.

The main purpose of our adjustable gas block is to allow you to adjust the port pressure to the operating system, thereby fine-tuning the bolt velocity, which will result in a smoother shooting rifle. Additionally, the BTE Gas Block is also useful in obtaining optimum port pressure on otherwise difficult to run setups, such as suppressed weapons, short-barreled weapons, or unusual chamberings for nonstandard cartridges. Most rifles cycle faster than necessary and the resulting “bolt slamming” effect is a noticeable part of the recoil impulse.

To adjust for your load, turn the gas adjustment screw in until approximately 1/8" of threads are left outside the block, then load one round in the magazine and fire. If the bolt holds open, the gas block is set. If the bolt does not stay open, it is short-stroking and the valve should be opened about another half turn. Continue backing the gas adjustment screw out until the bolt holds open consistently on last round lock back. Test this again with one round in the magazine.

Remember, if you change ammo, the rifle may not cycle reliably and should be tested again with any ammunition that you intend to use in actual competition. If you must use untried ammo, back out the valve several turns to ensure full cycling. You may want to Loctite the valve screw. It is also possible to shut the valve completely if you want to cycle the rifle manually for any reason.

If your rifle is used for law enforcement or military purposes, we recommend the full open setting so as not to compromise reliability. A new rifle or bolt assembly will have a great deal of friction between the gas rings and carrier and may require a break-in period during which the gas block must be run wide open for complete cycle. A new rifle with an extremely stiff bolt may not cycle completely until broken in. It helps to polish the bore of the carrier on a new bolt to reduce friction and mate the parts.

Some of our gas blocks feature a Picatinny quick-detach point for any accessory you may wish to use on that point such as flash lights, lasers or electronic sights. Please feel free to call or email us with any questions you may have and thanks again for buying American.
BTE AR MATCH TRIGGER INSTALLATION INSTRUCTIONS

STEP 1: Check to Make Sure that the rifle is Empty and there is not a round in the chamber.

STEP 2: Separate the upper receiver from the lower receiver.

STEP 3: Drive out the hammer and trigger pins.

STEP 4: Remove all of the trigger parts from the lower receiver.

STEP 5: Unscrew the grip from the lower receiver. Maintain pressure on the grip, it holds the safety spring and plunger in the receiver.

STEP 6: Slowly remove the grip and catch the safety spring and plunger as they fall from the lower receiver.

STEP 7: Remove the safety lever.

STEP 8: Place Your New BTE Match Trigger assembly almost all the way down into the receiver and insert the safety. The safety must fit into the receiver over the rear of the trigger assembly.

STEP 9: Reinstall the pins removed in STEP 3. These pins will not stay in place. Keep your hand against the pins or place masking tape on one side of the receiver to keep them from dropping free.

STEP 10: Insert the safety plunger into the lower receiver.

STEP 11: Insert the safety spring into the hand grip.

STEP 12: Install the hand grip, making sure the safety plunger and spring properly align.

STEP 13: Use the hex-head wrench provided and firmly seat the two trigger lock screws that are already installed on each side of the trigger, on the inside of the trigger assembly. You will have to move the ends of the spring wires out of the way to access these screws.

STEP 14: If you have a polymer lower please see NOTE below first. Insert and tighten the two lock screws provided loose in the package on top of the trigger lock screws. Do NOT over tighten set screws if they are being tightened into a polymer lower as they can damage your lower if you over tighten. You can use Chapstick or lipstick to stick these screws to the hex-head wrench to keep them from falling off while you insert them.

STEP 15: Make Sure that the Hammer Spring Legs are moved back to the Outside of the two Trigger Spring Coils and AWAY from the Trigger Lever.

Step 16: Install the upper receiver to the lower receiver.

Step 17: Remove any masking tape and check trigger function.

You Did It!!! Your BTE Match Trigger Install is Complete!!!
°BATTLE TESTED EQUIPMENT°

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