



JM Pro™ ADJUSTABLE MATCH TRIGGER SYSTEM, INSTALLATION AND ADJUSTMENTS

IMPORTANT “SAFETY WARNINGS”-NOTE THE SYMBOL

The Mossberg JM Pro™ Adjustable Match Trigger System is an adjustable trigger system that allows you to safely adjust the trigger pull weight and the trigger over travel. The trigger pull weight can be adjusted from less than 3 lbs to 6 pounds (approximately).



REFER TO YOUR FIREARMS OWNER’S MANUAL SAFETY WARNINGS AND HANDLING INSTRUCTIONS.



BEFORE ANY ATTEMPT IS MADE TO INSTALL OR ADJUST YOUR TRIGGER SYSTEM, KEEP THE MUZZLE POINTED IN A SAFE DIRECTION AT ALL TIMES. LOCK THE ACTION OPEN AND ROTATE THE SAFETY SELECTOR LEVER FULLY TO THE “ON” (SAFE) POSITION. REMOVE THE MAGAZINE (SEE YOUR OWNERS MANUAL FOR INSTRUCTIONS) AND VISUALLY AND PHYSICALLY INSPECT THE CHAMBER AND INSIDE THE RECEIVER TO BE CERTAIN THE FIREARM IS UNLOADED.



Wear safety glasses. Some components in the Fire Control Group are spring loaded and may fly free.



Never dry fire the trigger system when uninstalled. Never dry fire the rifle with the upper receiver removed. Damage may occur to components impacted by the hammer.



This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

TO INSTALL YOUR TRIGGER SYSTEM

Original Trigger System Removal

1. Remove the upper receiver from the lower receiver (refer to your Owner’s Manual for instructions).
2. Rotate the safety selector lever to the “OFF” (FIRE) position. Control the hammer with your thumb while pulling the trigger fully rearward to slowly release the hammer to the fired position.
3. Using a punch, drive out the hammer pin from the lower receiver. Remove the hammer with the hammer spring.
4. Partially unscrew the pistol grip fastener and lower the pistol grip until the safety selector can be pulled from the lower receiver.
5. Using a punch, drive out the trigger pin from the lower receiver. Remove the trigger, trigger spring, disconnecter and disconnecter spring.

JM Pro™ Adjustable Match Trigger System Installation

1. Install the trigger system in the receiver, guiding the trigger through the opening at the bottom of the receiver.
2. Reinstall the safety selector in the lower receiver and reinstall the pistol grip. Tighten the pistol grip screw. Verify that the safety selector rotates freely to the “ON” (SAFE) and “OFF” (FIRE) positions.
3. Move the safety selector to the “OFF” (FIRE) position.
4. Line up the hammer and trigger pin holes in the lower receiver with the holes in the trigger system housing. Tap in the hammer and trigger pins until they are flush with both sides of the lower receiver.

5. Reinstall the upper receiver on the lower receiver (refer to your Owner's Manual for instructions).
6. Perform Trigger System Function Test (See Trigger System Function Test section of these installation instructions).

TRIGGER SYSTEM FUNCTION TEST

Before using live ammunition, check the trigger system for proper function after installation or making any adjustments. Refer to your owner's manual for the location of the components described in the Trigger System Function Test.



DO NOT INSTALL THE MAGAZINE. WITH THE MUZZLE POINTED IN A SAFE DIRECTION, OPEN THE ACTION AND BOTH VISUALLY AND PHYSICALLY INSPECT THE CHAMBER AND INSIDE THE RECEIVER TO MAKE SURE THAT ALL CARTRIDGES HAVE BEEN REMOVED.

1. With the safety selector in the "ON" (SAFE) position, pull the charging handle back and release. Pull the trigger. The hammer should not fall.
2. Set the safety selector to the "OFF" (FIRE) position. The hammer should not fall.
3. With the safety selector set to the "OFF" (FIRE) position. Pull the trigger. The hammer should fall. The trigger should have rotated freely without any abrupt changes in trigger weight above the trigger weight specification.
4. While holding back the trigger, pull the charging handle back and release. Release the trigger. A soft audible click should be heard when the trigger rotates back to the rest position. Pull the trigger. The hammer should fall.
5. With the safety selector in the "ON" (SAFE) position, pull the charging handle back and release. Push out the takedown pin and pivot the upper receiver open to view the Trigger System (refer to your Owner's Manual for instructions). While watching the sear (Fig. 2C), pull the trigger. The sear should not move.
6. With the upper receiver pivoted open (Step 5), set the safety selector to the "OFF" (FIRE) position. While holding the hammer, pull the trigger all the way to the over travel stop and hold, rotate the hammer up and down. The hammer must not contact the top front face of the sear (Fig. 2C).
7. If your rifle fails any of these tests **prior** to making any adjustments, return the Trigger System to the Product Service Center.
8. If your rifle fails any of these tests **after** making adjustments, review the caution notes associated with the adjustments made and make the appropriate adjustment to correct the failure.

TO ADJUST YOUR JM Pro™ ADJUSTABLE MATCH TRIGGER SYSTEM



PERFORM TRIGGER SYSTEM FUNCTION TEST AFTER ANY ADJUSTMENTS ARE MADE (SEE TRIGGER SYSTEM FUNCTION TEST SECTION OF THESE INSTALLATION INSTRUCTIONS).



BEFORE ANY ATTEMPT IS MADE TO INSTALL OR ADJUST YOUR TRIGGER SYSTEM, KEEP THE MUZZLE POINTED IN A SAFE DIRECTION AT ALL TIMES. LOCK THE ACTION OPEN AND ROTATE THE SAFETY SELECTOR LEVER FULLY TO THE "ON" (SAFE) POSITION. REMOVE THE MAGAZINE (SEE YOUR OWNERS MANUAL FOR INSTRUCTIONS) AND VISUALLY AND PHYSICALLY INSPECT THE CHAMBER AND INSIDE THE RECEIVER TO BE CERTAIN THE FIREARM IS UNLOADED.

Remove the upper receiver from the lower receiver (refer to your Owner's Manual for instructions). No further disassembly is required, the trigger assembly remains in the lower receiver.

Trigger Pull Weight Adjustment

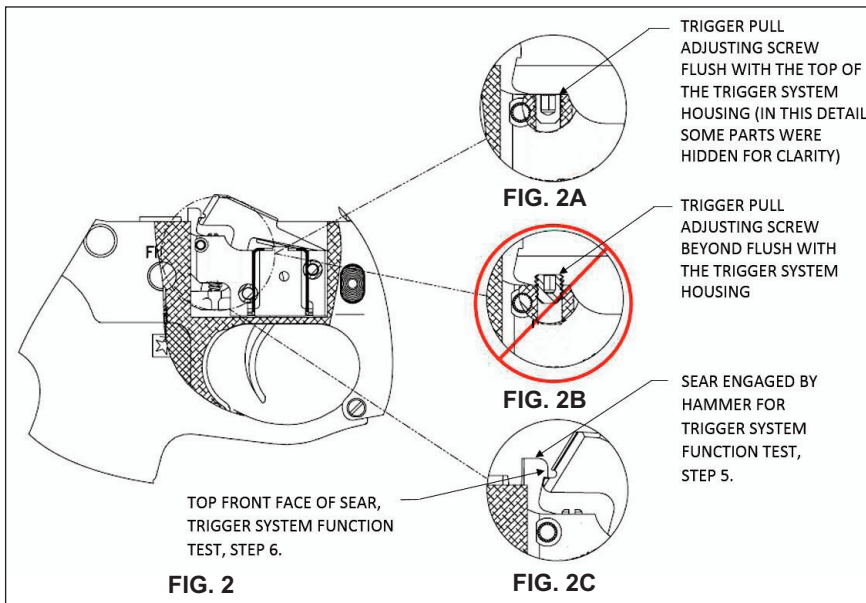
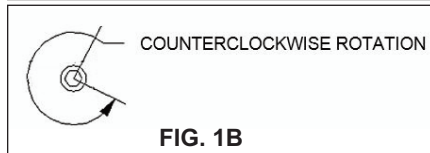
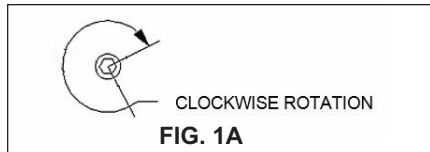
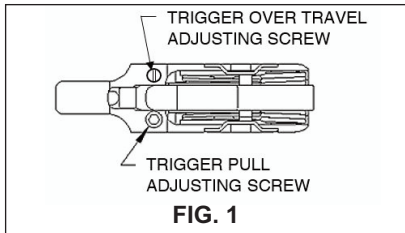
To increase the trigger pull weight, turn the Trigger Pull Adjusting Screw located on the Trigger System Housing (Fig. 1) clockwise (Fig. 1A) using a 3/32 hex key.

- Starting with the top of the Trigger Pull Adjusting Screw set flush with the top of the Trigger System Housing (Fig. 2A), approximately 3 complete rotations of the Trigger Pull Adjusting Screw are required before any increase in trigger pull weight can be achieved.
- With the Trigger Pull Adjusting Screw set 3 rotations below the surface of the Trigger System Housing, an increase of approximately .75 lbs will result with each complete rotation of the Trigger Pull Adjusting Screw.
- Starting with the top of the Trigger Pull Adjusting Screw set flush with the top of the Trigger System Housing (Fig. 2A), do not rotate the Trigger Pull Adjusting Screw more than 7 complete clockwise rotations.

CAUTION- If the Trigger Pull Adjusting Screw is adjusted beyond the 7 rotations, there are four conditions that may occur while performing the Trigger System Function Test:

1. The trigger will not rotate when performing the Trigger System Function Test.
2. The trigger will have an additional sharp increase in trigger pull weight before the hammer falls when performing Step 3 of the Trigger System Function Test.
3. The hammer will not fall when performing Step 3 of the Trigger System Function Test.
4. The hammer will contact the top front face (Fig. 2C) of the sear when performing Step 6 of the Trigger System Function Test.

If any of these conditions occur, decrease trigger pull weight.





To decrease the trigger pull weight, turn the Trigger Pull Adjusting Screw located on the Trigger System Housing (Fig. 1) counterclockwise (Fig. 1B) using a 3/32 hex key.

- Do not turn the top of the Trigger Pull Adjusting Screw out beyond flush with the top of the Trigger System Housing (Fig. 2B).
- No further reduction in trigger pull weight can be achieved if the top of the Trigger Pull Adjusting Screw is out beyond flush with the Trigger System Housing (Fig. 2B).
- The Trigger Pull Adjusting Screw incorporates a thread locking patch that provides resistance to rotation. If the top of the Trigger Pull Adjusting Screw is above the top of the Trigger System Housing (Fig. 2B), the thread locking patch will become ineffective and the Trigger Pull Adjusting Screw may rotate out while firing the firearm. The Trigger Pull Adjusting Spring will no longer be captured in the Trigger System Housing.
- Do not remove the Trigger Pull Adjusting Screw or Adjusting Spring from the Trigger System Housing. The components may get lost and trigger pull adjustment will not be possible.

Trigger Over Travel Adjustment

To decrease the amount of trigger over travel, turn the Trigger Over Travel Adjusting Screw, located on the Trigger System Housing (Fig. 1) clockwise using a small flat screwdriver.

CAUTION - If the trigger over travel is reduced significantly, there are four conditions that may occur while performing the Trigger System Function Test:

1. The trigger will not rotate when performing the Trigger System Function Test.
2. The trigger will have an additional sharp increase in trigger pull weight before the hammer falls when performing Step 3 of the Trigger System Function Test.
3. The hammer will not fall when performing Step 3 of the Trigger System Function Test.
4. The hammer will contact the top front face (Fig. 2C) of the sear when performing Step 6 of the Trigger System Function Test.

If any of these conditions occur, increase trigger over travel.

To increase the amount of trigger over travel, turn the Trigger Over Travel Adjusting Screw, located on the Trigger System Housing (Fig. 1) counterclockwise using a small flat screwdriver.



NO OTHER TRIGGER ADJUSTMENTS ARE PROVIDED. IN ORDER TO AVOID SERIOUS PERSONAL INJURY TO YOU OR THOSE AROUND YOU, NO OTHER CHANGES, ALTERATIONS, OR ADJUSTMENTS SHOULD BE MADE TO THE TRIGGER SYSTEM.



FIREARMS ARE COMPLICATED MECHANISMS. ANY MODIFICATION, ALTERATION, OR IMPROPER FITTING OF PARTS MAY RESULT IN A DANGEROUS MALFUNCTION, DAMAGE TO THE FIREARM AND INJURY TO THE SHOOTER AND OTHER PERSONS. THE FIREARM'S OWNER MUST ACCEPT FULL RESPONSIBILITY FOR THE CORRECT REASSEMBLY AND FUNCTIONING OF THE FIREARM AFTER ANY DISASSEMBLY OR REPLACEMENT OF PARTS.

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Safety and safe firearms handling is everyone's responsibility.

