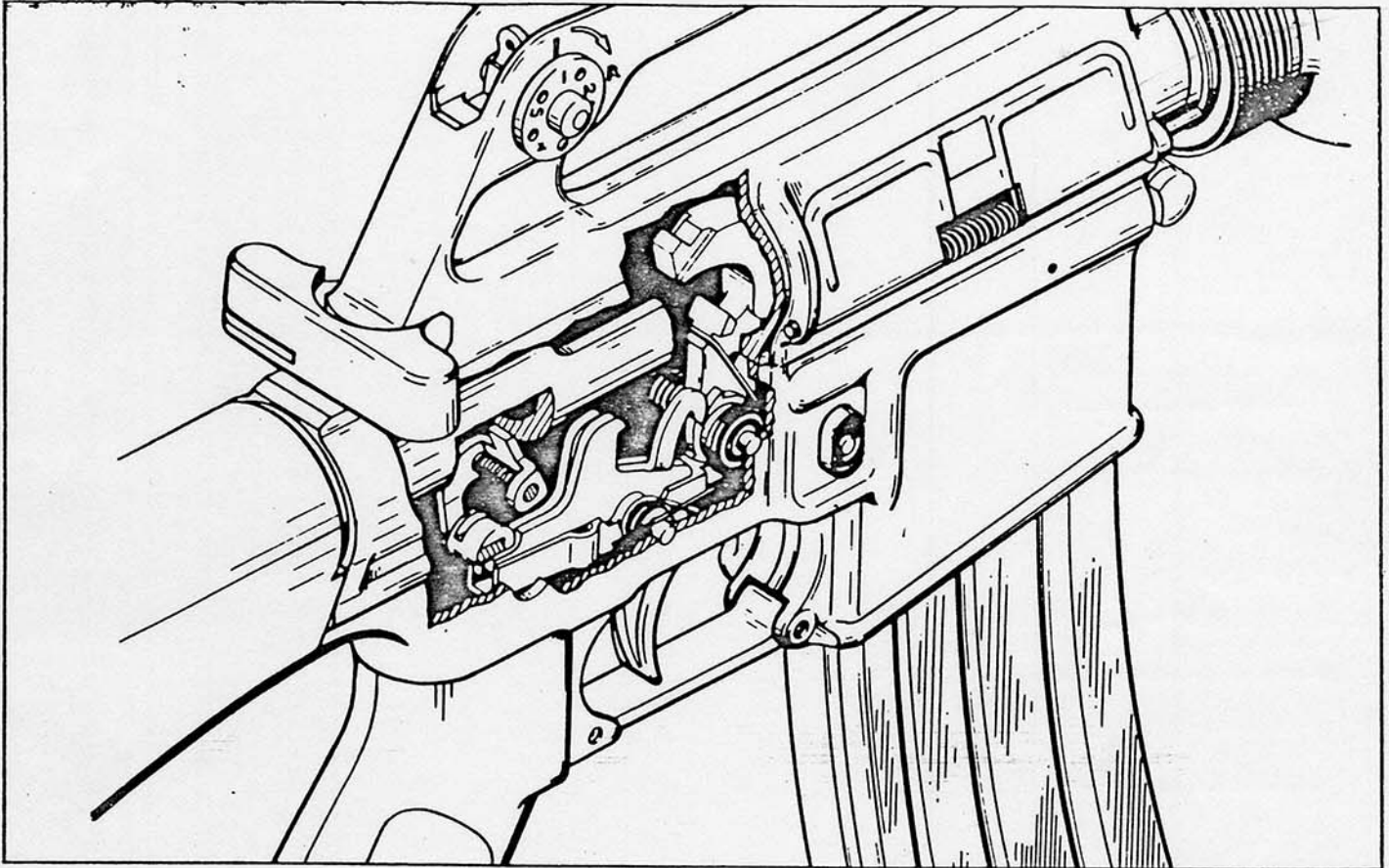


BURST CONTROL

MODIFICATION KIT



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COLT'S BURST CONTROL
MODIFICATION KIT

Introduction

This modification kit contains all parts, tools, and instructions necessary for the installation of Colt's Burst Control kit. This modification may be made on any of the Colt's AR 15 automatic weapons, including the M 16 and M 16A1 rifles, as well as the XM177 and XM177E2 submachine guns. Two-shot and three-shot burst control procedures and parts are identical except for the hammer cams. These are both listed in the Parts List, Section IV.

SECTION I

Instructions General

- 1.1 Colt's Burst Control provides an additional five control mode for the Colt's AR-15 automatic weapons. When a weapon is so equipped and the fire control selector is set on the BURST position, each pull of the trigger will cause full automatic fire of two or three rounds, depending on whether the two-shot or the three-shot cam is installed. This function will continue until another fire control mode is selected or until the magazine is empty.

NOTE: The first pull of the trigger after selection of the burst mode may not result in the full burst, depending upon the position of the hammer cam. The next squeeze will fire the full burst if enough cartridges remain in the magazine.

- 1.2 When this modification is installed, there will be four positions for the selector lever; SAFE, SEMI, AUTO, and BURST. The BURST position will be located directly underneath the AUTO position with the selector pointing downward.
- 1.21 Decalomania. A decalomania (decal) is supplied which must be affixed to the receiver to indicate the positions of the lever with burst control added. Before installation of the selector lever, the decal is placed over the present selector lever markings. To apply the decal, clean all dirt and oil from the receiver. To prevent instant adhesion and to permit the decal to slip easily for positioning, wet the receiver with water. Remove the backing and position. Using a stiff piece of cardboard, squeeze all water and air bubbles from under the decal, working from the center to the edges. Wipe clean with a damp cloth. Be certain edges adhere tightly.

SECTION II

Installation

- 1.3 Parts. The Parts List is located in Section IV.
- 1.4 Disassembly. Disassemble the lower receiver as illustrated in TM 9-1005-249-34, Rifle, 5.56 mm, M16 and M16A1, figures 3-10 and 3-11, steps 7 through 16. Do NOT remove the action spring guide assembly.

1.5 Assembly.

(a) Trigger Assembly. The following procedure will simplify the assembly and installation of the trigger assembly.

Holding the trigger as it appears in the weapon, place the two Disconnect Springs (large springs) into the two large holes of the trigger slot. One end of each Disconnect Spring is larger than the other. Twist the large end into the hole. To facilitate this procedure, insert the nose of a cartridge into the smaller end of the spring and rotate the spring clockwise, pressing firmly into the hole at a slight angle. The spring will now fit tightly into the hole. Place the Semi-automatic Disconnect Auxiliary Spring (small spring) into the smaller hole. Place the Burst Disconnect (with double hook) into the right side of the trigger slot. Place the Semi-automatic Disconnect (single hook) into the left side of the trigger slot. Be certain the three springs are properly positioned. Insert a short pin (half a trigger pin is ideal) through the holes in the trigger and disconnects. This will hold the assembly together until the trigger pin is installed. Assemble the trigger spring to the trigger. Place the assembly into the receiver in the proper position. Insert the trigger pin. As the trigger pin is pushed home, the short pin will be ejected.

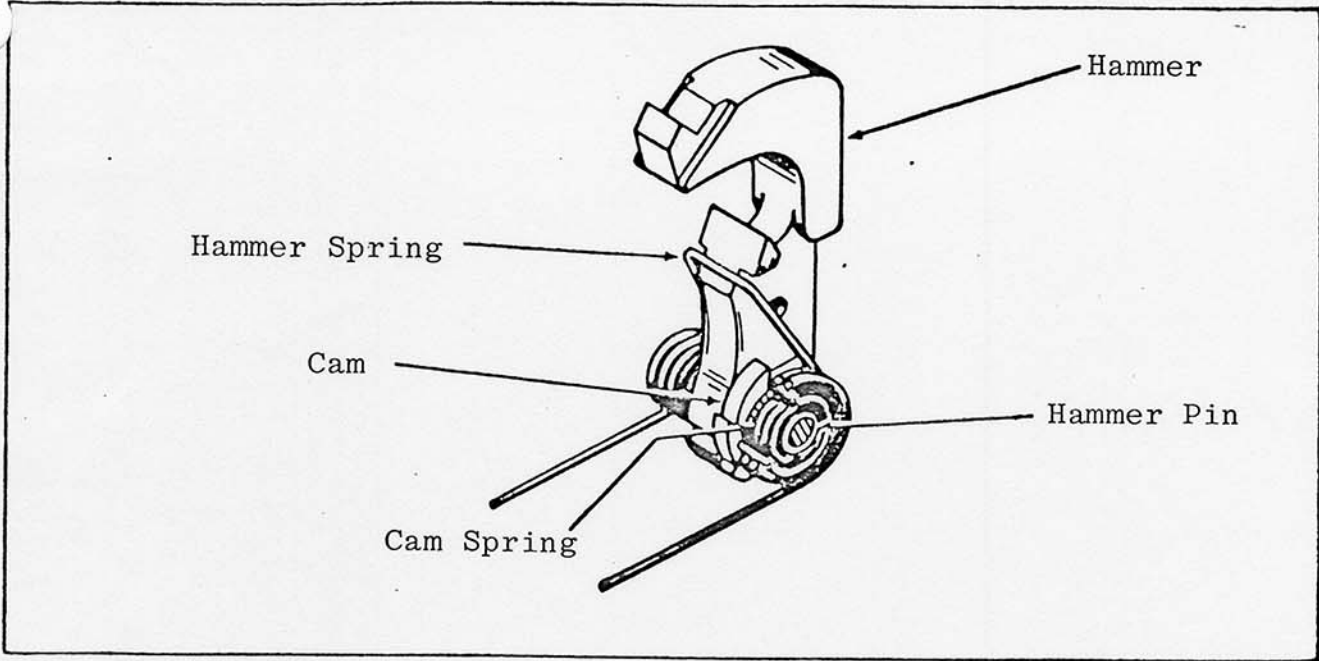
(b) Hammer Assembly. Insert the Clutch Spring in the Burst Control Cam with the bent leg of the spring inward and engaged with the slot of the cam. Slide the cam on the right (small) hub of the hammer with the ratchet side inward. Be certain that the clutch spring is pressed in flush or below the hammer hub. Install the spring on the hammer, and the hammer assembly in the lower receiver as shown in TM 9-1005-249-34.

- 1.6 All burst control parts are installed in the weapon in the same way as standard parts as shown in Fig's 3-10, Steps 7 thru 12, in TM 9-1005-249-34.

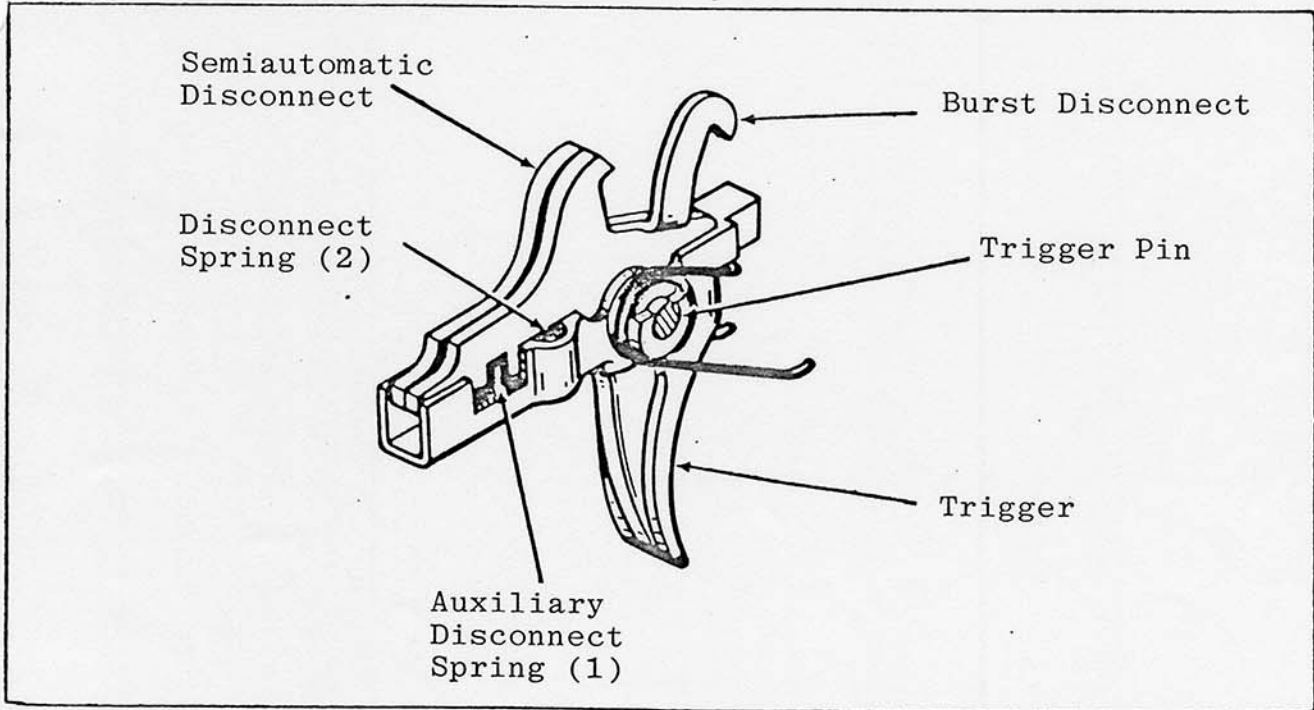
SECTION III

Operation

- 1.7 Set selector at BURST position with pointer point-straight down. This will hold the Semi-Automatic Disconnect (single hook) inoperative and permit the Burst Disconnect (double hook) to operate. Pull and hold the trigger. The hammer will fall. As the cartridge fires and the hammer is cocked by the action of the bolt carrier, the hammer Cam will rotate with the hammer. The first of two shallow notches on this Cam will engage the nose hook of the Burst Disconnect (double hook). Because of the shallow notch, the disconnect hook cannot move forward far enough to catch the hammer. Forward action of the bolt carrier will release the hammer from the automatic sear. The hammer will fall, firing the second shot in the burst. This process will then be repeated automatically. As the hammer is cocked by the bolt carrier after the third shot, the hammer cam will rotate a deeper notch into position under the nose hook of the Burst Disconnect. The deeper notch will permit the Burst Disconnect (double hook) to rotate farther forward than did either of the two shallow notches. When the hammer is released from the automatic sear by the forward motion of the bolt carrier, the hammer will be engaged by the Burst Disconnect (double hook), halting the automatic cycle. When the trigger is released, it and the disconnect rotate, transferring the engagement of the hammer from the disconnect to the trigger sear point. The next squeeze of the trigger will start the three round burst cycle again.



Burst Control Hammer Assembly



Burst Control Trigger Assembly

SECTION IV

Parts List

Standard Parts to be Removed		Kit Parts to be Installed	
Part No.	Nomenclature	Part No.	Nomeclature
61590	Sear, Automatic	GX-4940	Sear, Automatic
62317	Hammer and Hammer Pin Assembly	GX-5065	Hammer
		GX-4930	Cam (two shot)
		or GX-4999	Cam (three shot)
61697	Spring, Hammer	GX-5067	Spring, Hammer
62344	Disconnect	GX-4931	Spring, Cam
		GX-5068	Disconnect (burst)
61925	Spring, Disconnect (1 required)	GX-5071	Disconnect (semiautomatic)
		61925	Spring, Disconnect (2 required)
		GX-5069	Spring, Aux. Disconnect
61959	Selector, Fire Control	GX-5066	Lever, Safety selector
		GX-6039	Decalcomania

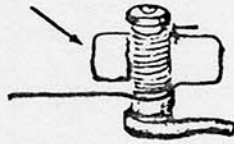
NOTE: The above parts are supplied for two-shot and three-shot burst control. Only the Hammer Cam need be changed to vary the number of shots per burst. All other parts are identical.

When the above parts are assembled in a modification kit, they are identified as follows:

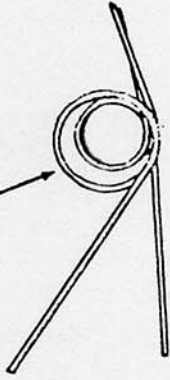
Part No.	Nomenclature
GX-6395	Two-shot Burst Control Kit
GX-6394	Three-shot Burst Control Kit

**BURST CONTROL KIT
PARTS**

Automatic Sear
P/N GX-4940



Hammer Spring
P/N GX-5067



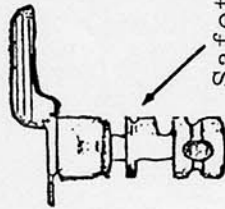
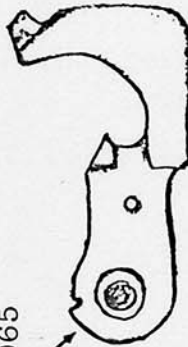
Burst
Disconnect
P/N GX-5068



Semiautomatic
Disconnect
P/N GX-5071



Hammer
P/N GX-5065



Safety Selector
Lever
P/N GX-5066



Disconnect
Spring
P/N 61925



Auxiliary
Disconnect
Spring
P/N GX-5069



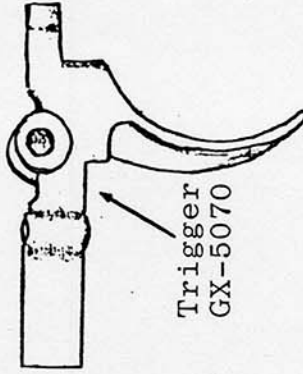
Cam (Two-shot)
P/N GX-4930



Cam (Three-shot)
P/N GX-4999



Cam Spring
GX-4931



Trigger
GX-5070



Decalcomania
P/N GX-6039