INSTRUCTIONS

for the

INSTALLATION AND OPERATION

of the

COLT TWO - and THREE - SHOT BURST CONTROL MODE

Parts contained in this modification kit may be installed in

M16, XM16E1, Sub-Machine Gun and Heavy Assault Rifle

MANUFACTURED BY

COLT FIREARMS DIVISION
COLT INDUSTRIES, INC.
HARTFORD, CONN.

MODIFICATION KIT

THREE SHOT BURST CONTROL

INTRODUCTION

This modification kit contains all parts, tools and instructions necessary for the installation of the Colt Three Shot Burst Control. This modification may be made on any of the Colt AR-15 series of weapons, including the M-16, XM16E1, Sub Machine Gun CAR-15 and Rifle Heavy Assault M-1 CAR-15. Two shot burst control procedures and parts are identical except for the hammer cam. Two shot cam is listed separately in the parts list, Section IV.

CHAPTER I

THREE SHOT BURST CONTROL

INSTRUCTIONS

SECTION I - GENERAL

1.1 - The Colt Burst Control provides an additional fire control mode for the Colt AR-15 series of 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 three consecutive rounds. This function will continue until another fire control mode is selected or until the magazine is empty.

1.2 - When this modification is installed there will be four positions for the selector lever (safety): SAFE, SEMI, AUTO and BURST. The BURST position will be located directly underneath the AUTO position with the selector pointing downward.

(a) Label. A label is supplied which must be affixed to the receiver before installation of the selector lever. The label is placed over the present selector lever markings to indicate the positions of the lever with burst control added. To apply the label, clean all dirt and oil from the receiver. To prevent instant adhesion, and to permit the label to slip easily for positioning, wet the receiver with water and detergent. Remove backing sheet from the label. Place label on receiver in proper position. Using a stiff piece of cardboard, squeegee water and bubbles from the label working from the center to the edge. Wipe clean with a damp cloth. Be certain all edges adhere tightly.

SECTION II - INSTALLATION

1.3 - PARTS. A parts list will be found in SECTION IV. Parts may be identified in Figure I.

1.4 - DISASSEMBLY. Disassemble the lower receiver as illustrated in Fig. 3-5, Steps 16-22 in TM 9-1005-249-14, Rifle, 5.56 MM, M16 and XM16E1. DO NOT remove the action spring guide assembly.

1.5 - ASSEMBLY

(a) Trigger Assembly. To simplify installation of the trigger assembly proceed as follows:

Holding 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 the 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 in the hole. Place Semi Disconnect Auxiliary Spring (small spring) into the smaller hole. Place Burst Disconnect (with nose hook) into right side of trigger slot. Place Semi Disconnect into left side of trigger slot. Be certain the three springs are properly positioned. Insert a short pin (half a trigger pin is ideal) through holes in the trigger and disconnects. This will hold assembly together. Assemble trigger spring to trigger. Place assembly into the receiver in the proper position. Insert trigger pin. As trigger pin is pushed home the short pin will be ejected.

1.6 - All Burst Control parts are installed in the same way as standard parts as shown in Fig. 3-5, Steps 2-8, in TM 9-1005-249-14.

SECTION III - OPERATION

1.7 - Set selector lever at Burst position with pointer pointing straight down. This will hold SEMI Disconnect inoperative and permit Burst disconnect to operate. Pull and hold the trigger. The hammer will fall. As the cartridge fires and the hammer is cocked by action of the bolt and 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. 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. This deeper notch will permit the Burst Disconnect to move 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, the hammer will be engaged by the Burst Disconnect halting the automatic cycle. When the trigger is released the disconnect moves rearward with the trigger, releasing the hammer which is simultaneously engaged by the trigger sear. The next squeeze of the trigger will start the three round burst cycle again.

NOTE

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

SECTION IV - PARTS LIST

Parts may be identified in Figure 1. Standard parts are shown in the top row for comparison.

NAME	NUMBER	ILLUSTRATION KEY Figure 1
Trigger	GX5070	1B
Disconnect Springs (2)	61925	2Std.
Disconnect Auxiliary Spring	GX5069	3B
Semi Disconnect	GX5071	4B
Burst Disconnect	GX5068	5B
Selector Lever	GX5066	6B
Sear	GX4940	7B
Hammer Spring	GX5067	8B
Hammer	GX5056	9B
Hammer Cam (3-shot)	GX4999	10B
Hammer Clutch Spring	GX4931	11B
Decal	GX6039	Not Shown

The following standard parts are interchangeable:

Trigger Spring	61657	Mounted on Trigger
Trigger Pin	61654	4
Sear Pin	61615	7
Hammer Pin	61654	10

NOTE

The above parts are supplied for three-shot burst control. Two-shot burst control is also available. Only the hammer cam need be changed. All other parts are identical.

Hammer Cam (2-shot)	GX4930	Not Shown.

BURST CONTROL PARTS

FIGURE 1.

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 M16 and M16A1 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 fire 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 Decalcomania. A decalcomania (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.

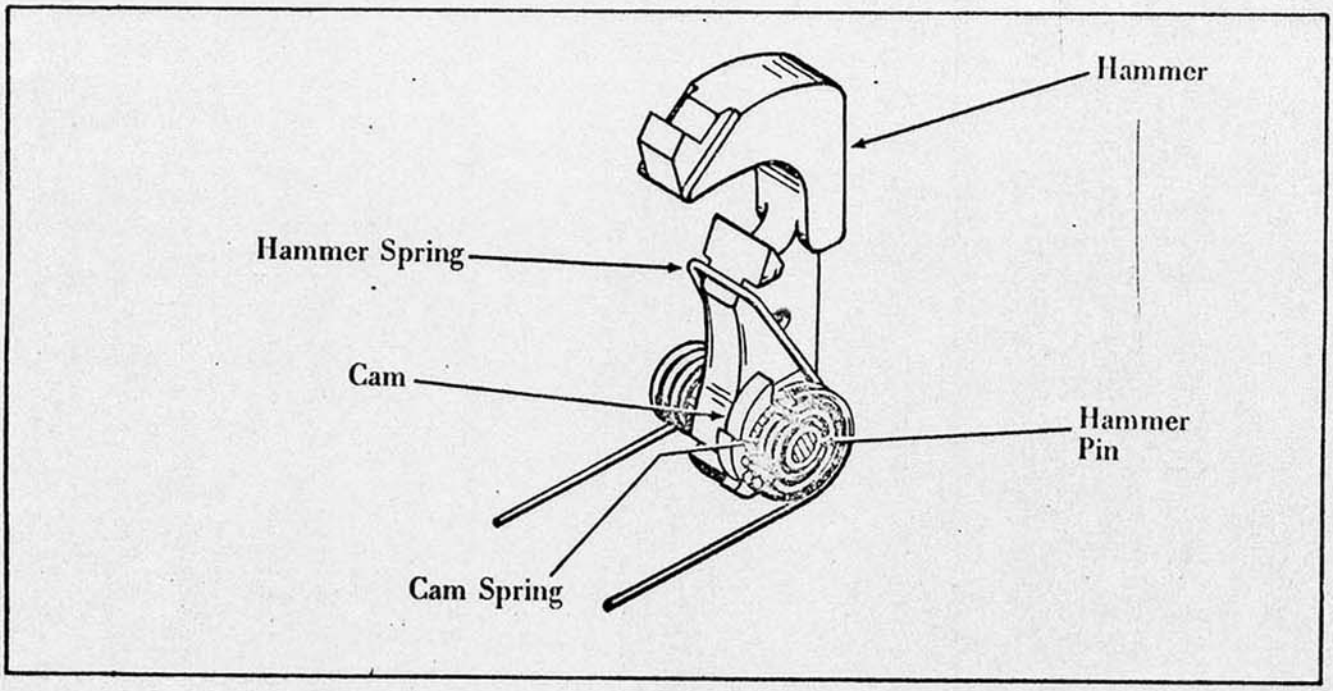
(b) Hammer Assembly. Insert the Clutch Spring in the Burst Control Cam with the bent leg of the spring inward and engaged with the slot of the cam. Slide the cam on the right (small) hub of the hammer with the ratchet side inward. Be certain that the clutch spring is pressed in flush or below the hammer 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 and 3-11. Steps 7 thru 12, in TM 9-1005-249-34.

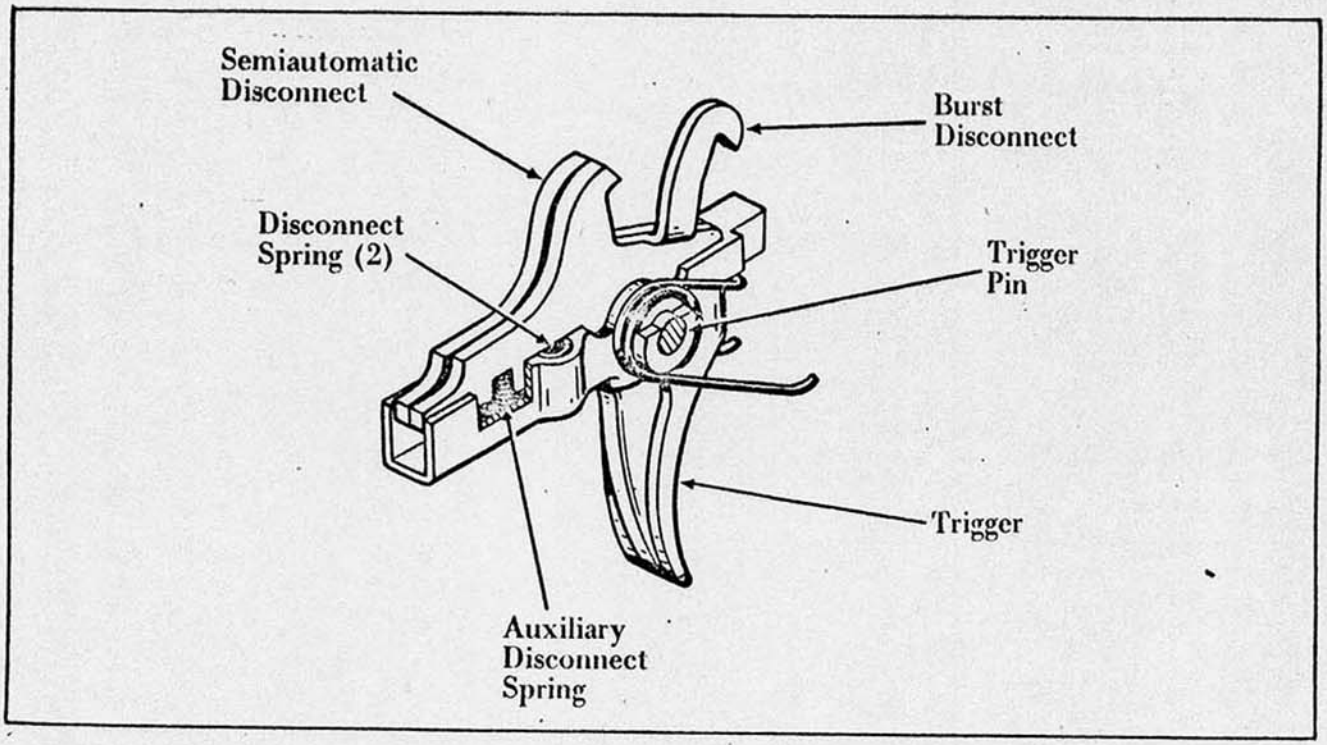
SECTION III

Operation

1.7 Set selector at BURST position with pointer pointing 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.	Nomenclature
61590	Sear, Automatic	GX-4940	Sear, Automatic
62317	Hammer and Hammer Pin Retainer Assembly	GX-5065	Hammer
		GX-4930	Cam (two shot)
			or
		GX-4999	Cam (three shot)
61697	Spring, Hammer	GX-5067	Spring, Hammer
		GX-4931	Spring, Cam
61955	Trigger	GX-5070	Trigger
62344	Disconnect	GX-5068	Disconnect (burst)
		GX-5071	Disconnect (semiautomatic)
61925	Spring, Disconnect (1 required)	61925	Spring, Disconnect (2 required)
		GX-5069	Spring, Aux. Disconnect
61959	Selector, Fire Control	GX-5066	Lever, Safety Selector
		GX-6039	Decalcomania

GX#931

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
GX6395	Two-shot Burst Control Kit
GX-6394	Three-shot Burst Control Kit

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 M16 and M16A1 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 fire 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 Decalcomania. A decalcomania (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.

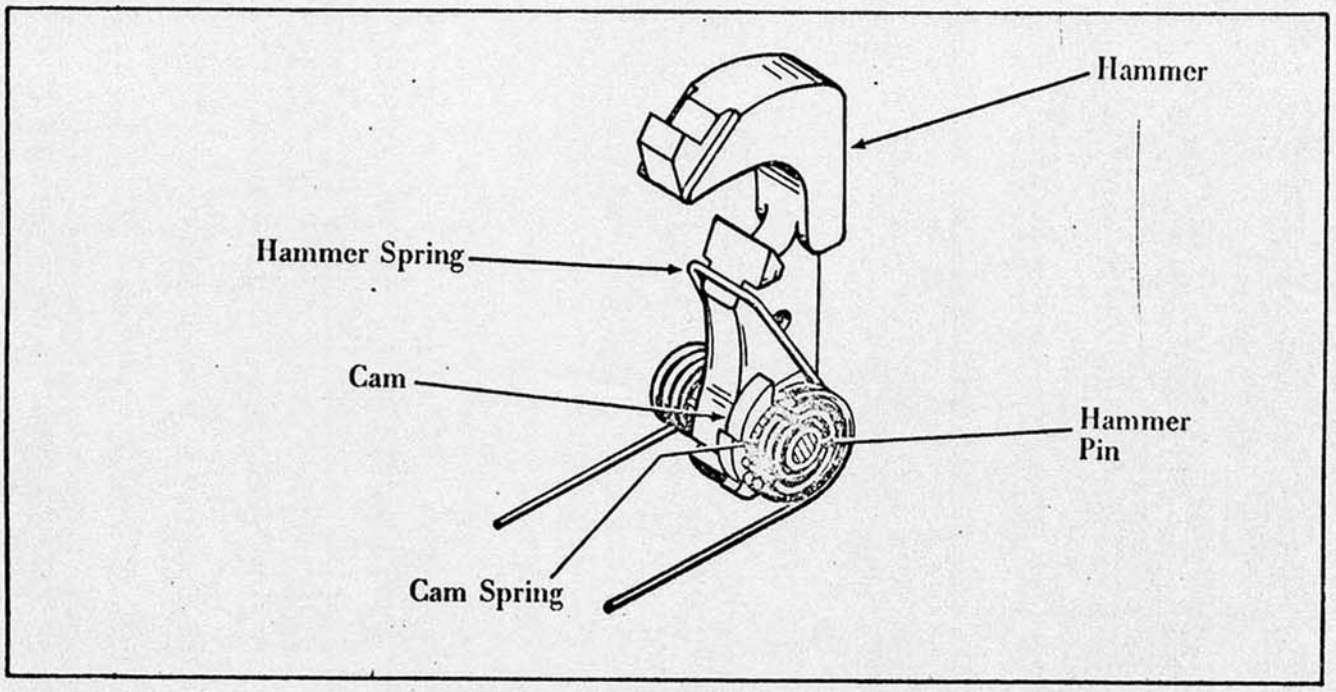
(b) Hammer Assembly. Insert the Clutch Spring in the Burst Control Cam with the bent leg of the spring inward and engaged with the slot of the cam. Slide the cam on the right (small) hub of the hammer with the ratchet side inward. Be certain that the clutch spring is pressed in flush or below the hammer 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 and 3-11. Steps 7 thru 12, in TM 9-1005-249-34.

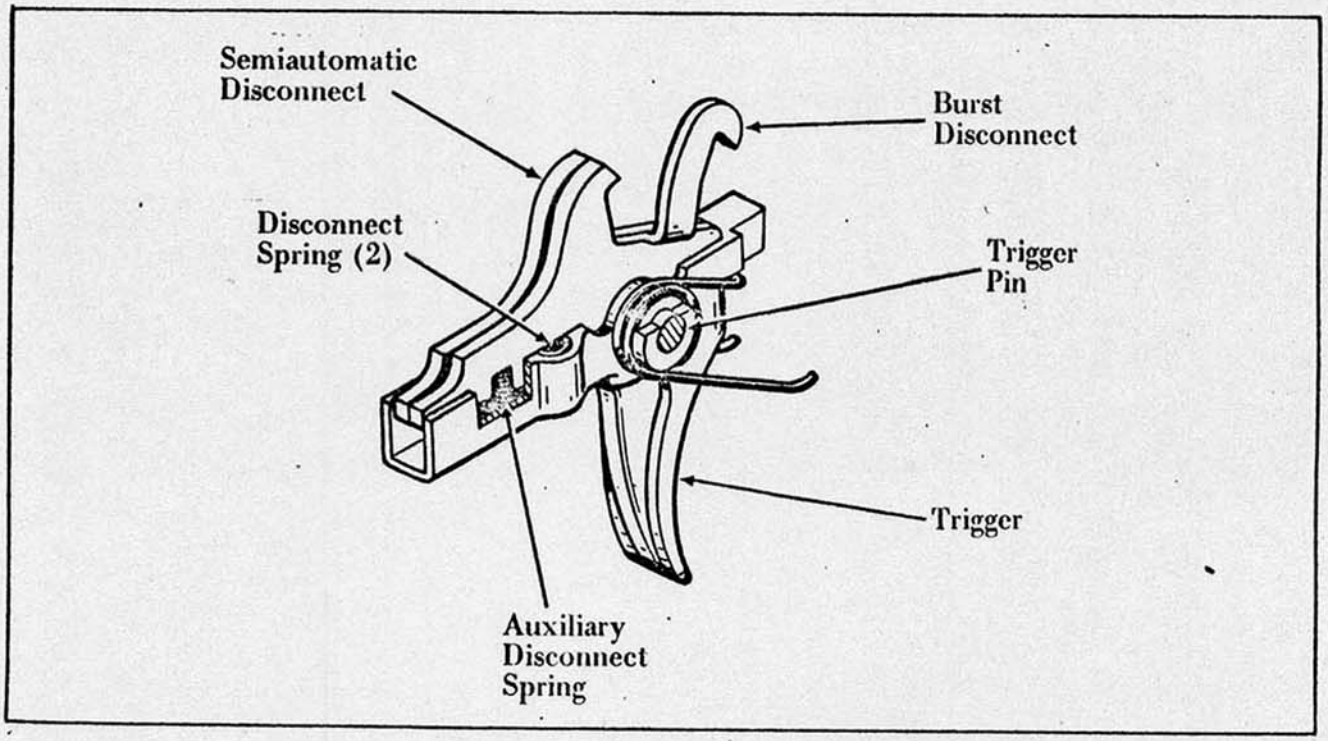
SECTION III

Operation

1.7 Set selector at BURST position with pointer pointing 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

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Part No.	Nomenclature	Part No.	Nomenclature
61590	Sear, Automatic	GX-4940	Sear, Automatic
62317	Hammer and Hammer Pin Retainer Assembly	GX-5065	Hammer
		GX-4930 GX-4999	Cam (two shot) or Cam (three shot)
61697	Spring, Hammer	GX-5067	Spring, Hammer
		GX-4931	Spring, Cam
61955	Trigger	GX-5070	Trigger
62344	Disconnect	GX-5068	Disconnect (burst)
		GX-5071	Disconnect (semiautomatic)
61925	Spring, Disconnect (1 required)	61925	Spring, Disconnect (2 required)
		GX-5069	Spring, Aux. Disconnect
61959	Selector, Fire Control	GX-5066	Lever, Safety Selector
		GX-6039	Decalcomania

GX#931

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
GX6395	Two-shot Burst Control Kit
GX-6394	Three-shot Burst Control Kit

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 M16 and M16A1 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 fire 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 Decalcomania. A decalcomania (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.

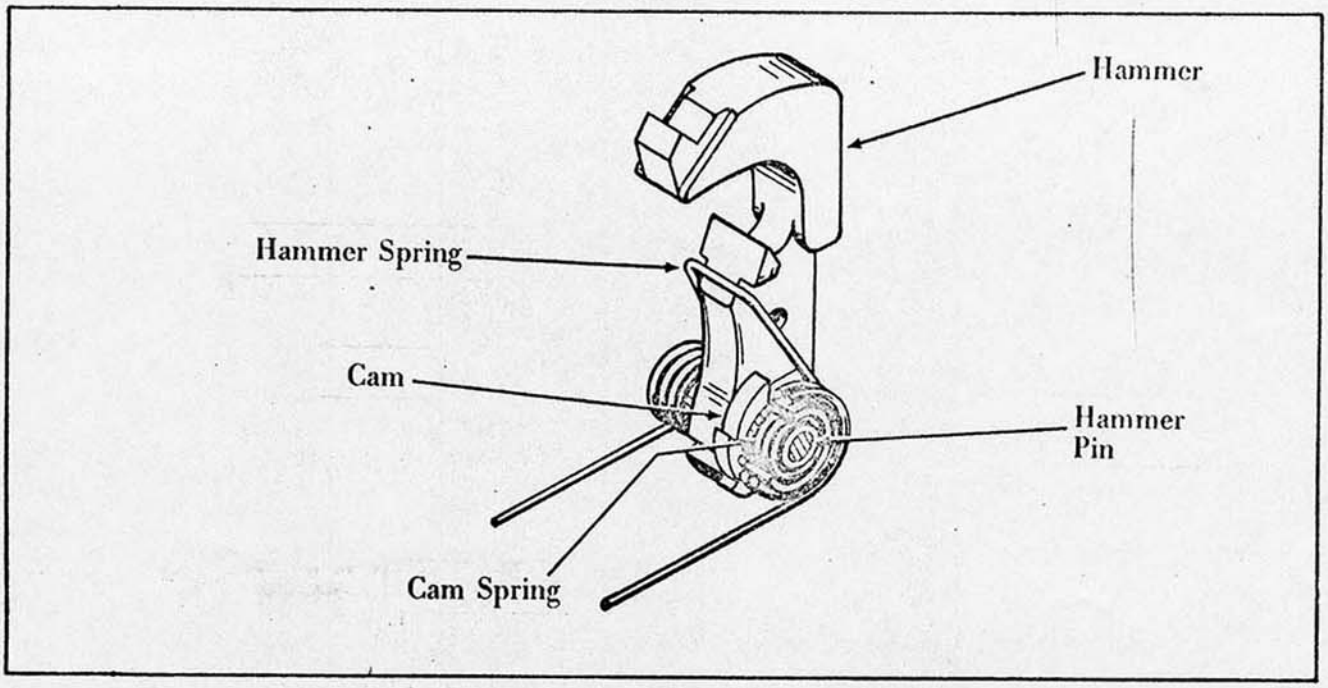
(b) Hammer Assembly. Insert the Clutch Spring in the Burst Control Cam with the bent leg of the spring inward and engaged with the slot of the cam. Slide the cam on the right (small) hub of the hammer with the ratchet side inward. Be certain that the clutch spring is pressed in flush or below the hammer 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 and 3-11. Steps 7 thru 12, in TM 9-1005-249-34.

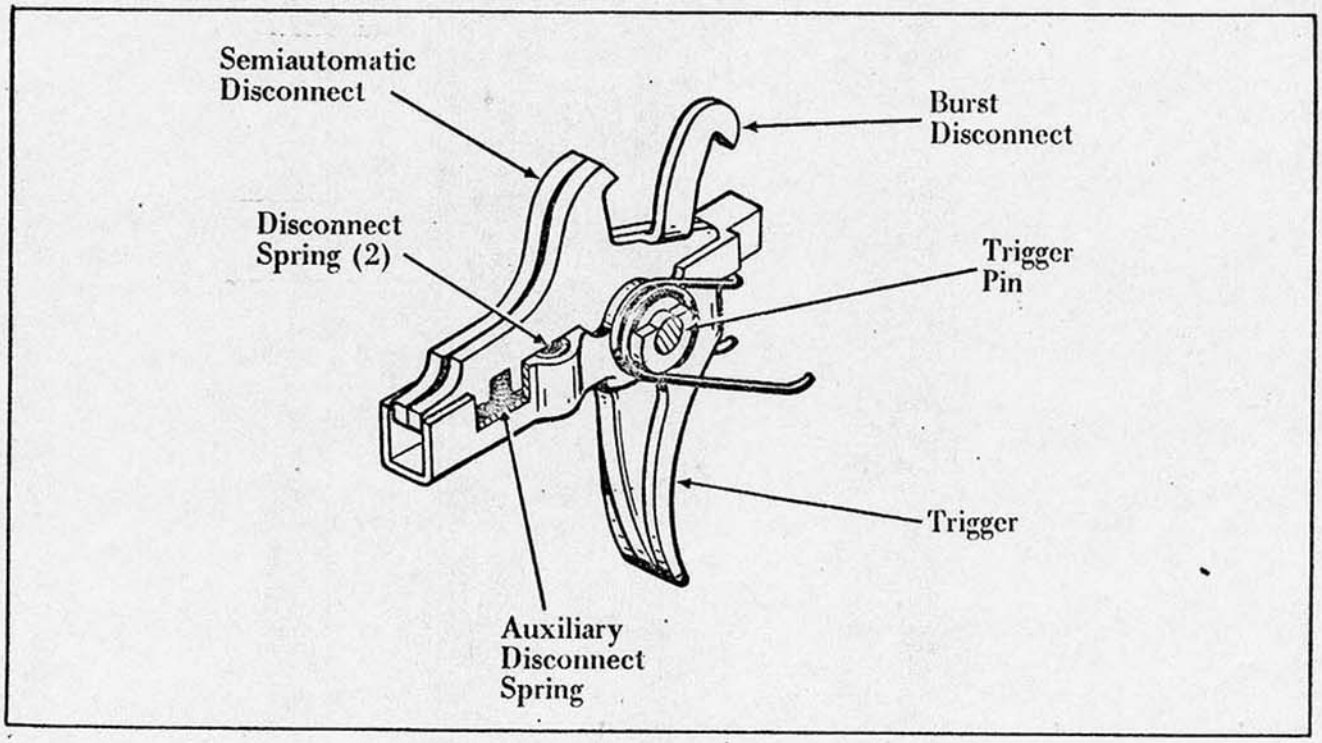
SECTION III

Operation

1.7 Set selector at BURST position with pointer pointing 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

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		GX-4931	Spring, Cam
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		GX-5071	Disconnect (semiautomatic)
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61959	Selector, Fire Control	GX-5066	Lever, Safety Selector
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GX#931

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
GX6395	Two-shot Burst Control Kit
GX-6394	Three-shot Burst Control Kit

INSTRUCTIONS

for the

INSTALLATION and OPERATION

of the

COLT'S TWO-SHOT and THREE-SHOT BURST CONTROL

Parts contained in this modification kit
may be installed in

M16 and M16A1 AUTOMATIC RIFLES

and

XM177 and XM177E2 SUBMACHINE GUNS

Manufactured by

Colt Industries Colt's Inc Military Arms Division

Colt Industries Colt's Inc Military Arms Division

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 M16 and M16A1 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 fire 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 Decalcomania. A decalcomania (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 and 3-11, Steps 7 thru 12, in TM 9-1005-249-34.

SECTION IV

Parts List

Standard Parts to be Removed		Kit Parts to be Installed	
Part No.	Nomenclature	Part No.	Nomenclature
61590	Sear, Automatic	GX-4940	Sear, Automatic
62317	Hammer and Hammer Pin Assembly	GX-5065	Hammer
		GX-4930 or GX-4999	Cam (two-shot) Cam (three-shot)
61697	Spring, Hammer	GX-5067	Spring, Hammer
		GX-4931	Spring, Cam
61955	Trigger	GX-5070	Trigger
62344	Disconnect	GX-5068	Disconnect (burst)
		GX-5071	Disconnect (semiautomatic)
61925	Spring, Disconnect (1 required)	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.

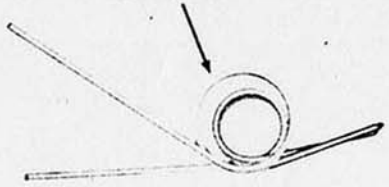
When the above parts are assembled in a modification kit, they are identified as follows:

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

Colt Industries — Colt's Inc. Military Arms Division

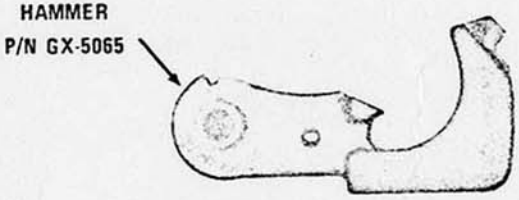
BURST CONTROL KIT PARTS


AUTOMATIC SEAR
P/N GX-4940


HAMMER SPRING
P/N GX-5067


BURST
DISCONNECT
P/N GX-5068

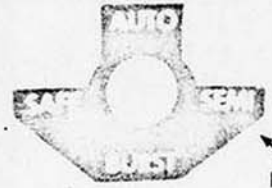

SEMIAUTOMATIC
DISCONNECT
P/N GX-5071


HAMMER
P/N GX-5065


SAFETY SELECTOR
LEVER-P/N GX-5066


DISCONNECT
SPRING
P/N 61925

AUXILIARY
DISCONNECT
SPRING
P/N GX-5069


DECALCOMANIA
P/N GX-6039


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


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


CAM SPRING
GX-4931


TRIGGER
P/N GX-5070

INSTRUCTIONS

for the

INSTALLATION and OPERATION

of the

COLT'S TWO-SHOT and THREE-SHOT BURST CONTROL

Parts contained in this modification kit
may be installed in

M16 and M16A1 AUTOMATIC RIFLES

and

XM177 and XM177E2 SUBMACHINE GUNS

Manufactured by

Colt Industries  Colt's Inc Military Arms Division

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 M16 and M16A1 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 fire 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 Decalcomania. A decalcomania (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 and 3-11, Steps 7 thru 12, in TM 9-1005-249-34.

SECTION IV

Parts List

Standard Parts to be Removed		Kit Parts to be Installed	
Part No.	Nomenclature	Part No.	Nomenclature
61590	Sear, Automatic	GX-4940	Sear, Automatic
62317	Hammer and Hammer Pin Assembly	GX-5065	Hammer
		GX-4930 or GX-4999	Cam (two-shot) Cam (three-shot)
61697	Spring, Hammer	GX-5067	Spring, Hammer
		GX-4931	Spring, Cam
61955	Trigger	GX-5070	Trigger
62344	Disconnect	GX-5068	Disconnect (burst)
		GX-5071	Disconnect (semiautomatic)
61925	Spring, Disconnect (1 required)	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.

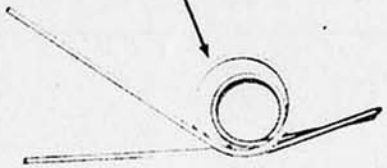
When the above parts are assembled in a modification kit, they are identified as follows:

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

Colt Industries — Colt's Inc. Military Arms Division

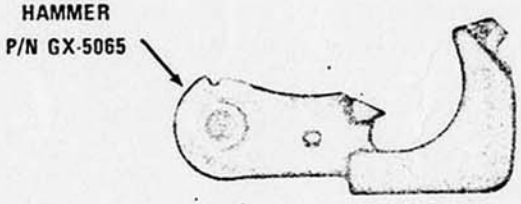
BURST CONTROL KIT PARTS


AUTOMATIC SEAR
P/N GX-4940


HAMMER SPRING
P/N GX-5067


BURST
DISCONNECT
P/N GX-5068

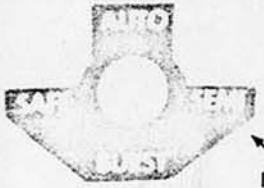

SEMIAUTOMATIC
DISCONNECT
P/N GX-5071


HAMMER
P/N GX-5065


SAFETY SELECTOR
LEVER-P/N GX-5066


DISCONNECT
SPRING
P/N 61925

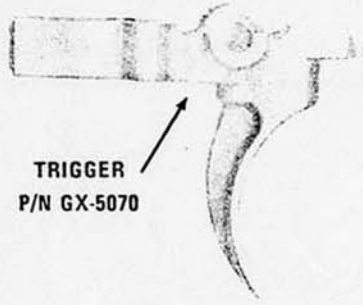

AUXILIARY
DISCONNECT
SPRING
P/N GX-5069


DECALCOMANIA
P/N GX-6039


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


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


CAM SPRING
GX-4931


TRIGGER
P/N GX-5070

BURST CONTROL PARTS

SECTION IV - PARTS LIST

Parts may be identified in Figure 1. Standard parts are shown in the top row for comparison.

NAME	NUMBER	ILLUSTRATION KEY Figure 1
Trigger	GX5070	1B
Disconnect Springs (2)	61925	2Std.
Disconnect Auxiliary Spring	GX5069	3B
Semi Disconnect	GX5071	4B
Burst Disconnect	GX5068	5B
Selector Lever	GX5066	6B
Sear	GX4940	7B
Hammer Spring	GX5067	8B
Hammer	GX5056	9B
Hammer Cam (3-shot)	GX4999	10B
Hammer Clutch Spring	GX4931	11B
Decal	GX6039	Not Shown

The following standard parts are interchangeable:

Trigger Spring	61657	Mounted on Trigger
Trigger Pin	61654	4
Sear Pin	61615	7
Hammer Pin	61654	10

NOTE

The above parts are supplied for three-shot burst control. Two-shot burst control is also available. Only the hammer cam need be changed. All other parts are identical.

Hammer Cam (2-shot)	GX4930	Not Shown.

3 Shot GX6394
2 " GX6395

NOTE

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

SECTION III - OPERATION

1.7 - Set selector lever at Burst position with pointer pointing straight down. This will hold SEMI Disconnect inoperative and permit Burst disconnect to operate. Pull and hold the trigger. The hammer will fall. As the cartridge fires and the hammer is cocked by action of the bolt and 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. 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. This deeper notch will permit the Burst Disconnect to move 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, the hammer will be engaged by the Burst Disconnect halting the automatic cycle. When the trigger is released the disconnect moves rearward with the trigger, releasing the hammer which is simultaneously engaged by the trigger sear. The next squeeze of the trigger will start the three round burst cycle again.

1.5 - ASSEMBLY

(a) Trigger Assembly. To simplify installation of the trigger assembly proceed as follows:

Holding 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 the 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 in the hole. Place Semi Disconnect Auxiliary Spring (small spring) into the smaller hole. Place Burst Disconnect (with nose hook) into right side of trigger slot. Place Semi Disconnect into left side of trigger slot. Be certain the three springs are properly positioned. Insert a short pin (half a trigger pin is ideal) through holes in the trigger and disconnects. This will hold assembly together. Assemble trigger spring to trigger. Place assembly into the receiver in the proper position. Insert trigger pin. As trigger pin is pushed home the short pin will be ejected.

1.6 - All Burst Control parts are installed in the same way as standard parts as shown in Fig. 3-5, Steps 2-8, in TM 9-1005-249-14.

(a) Label. A label is supplied which must be affixed to the receiver before installation of the selector lever. The label is placed over the present selector lever markings to indicate the positions of the lever with' burst control added. To apply the label, clean all dirt and oil from the receiver. To prevent instant adhesion, and to permit the label to slip easily for positioning, wet the receiver with water and detergent. Remove backing sheet from the label. Place label on receiver in proper position. Using a stiff piece of cardboard, squeegee water and bubbles from the label working from the center to the edge. Wipe clean with a damp cloth. Be certain all edges adhere tightly.

SECTION II - INSTALLATION

1.3 - PARTS. A parts list will be found in SECTION IV. Parts may be identified in Figure I.

1.4 - DISASSEMBLY. Disassemble the lower receiver as illustrated in Fig. 3-5, Steps 16-22 in TM 9-1005-249-14, Rifle, 5.56 MM, M16 and XM16E1. DO NOT remove the action spring guide assembly.

MODIFICATION KIT

THREE SHOT BURST CONTROL

INTRODUCTION

This modification kit contains all parts, tools and instructions necessary for the installation of the Colt Three Shot Burst Control. This modification may be made on any of the Colt AR-15 series of weapons, including the M-16, XM16E1, Sub Machine Gun CAR-15 and Rifle Heavy Assault M-1 CAR-15. Two shot burst control procedures and parts are identical except for the hammer cam. Two shot cam is listed separately in the parts list, Section IV.

CHAPTER I

THREE SHOT BURST CONTROL

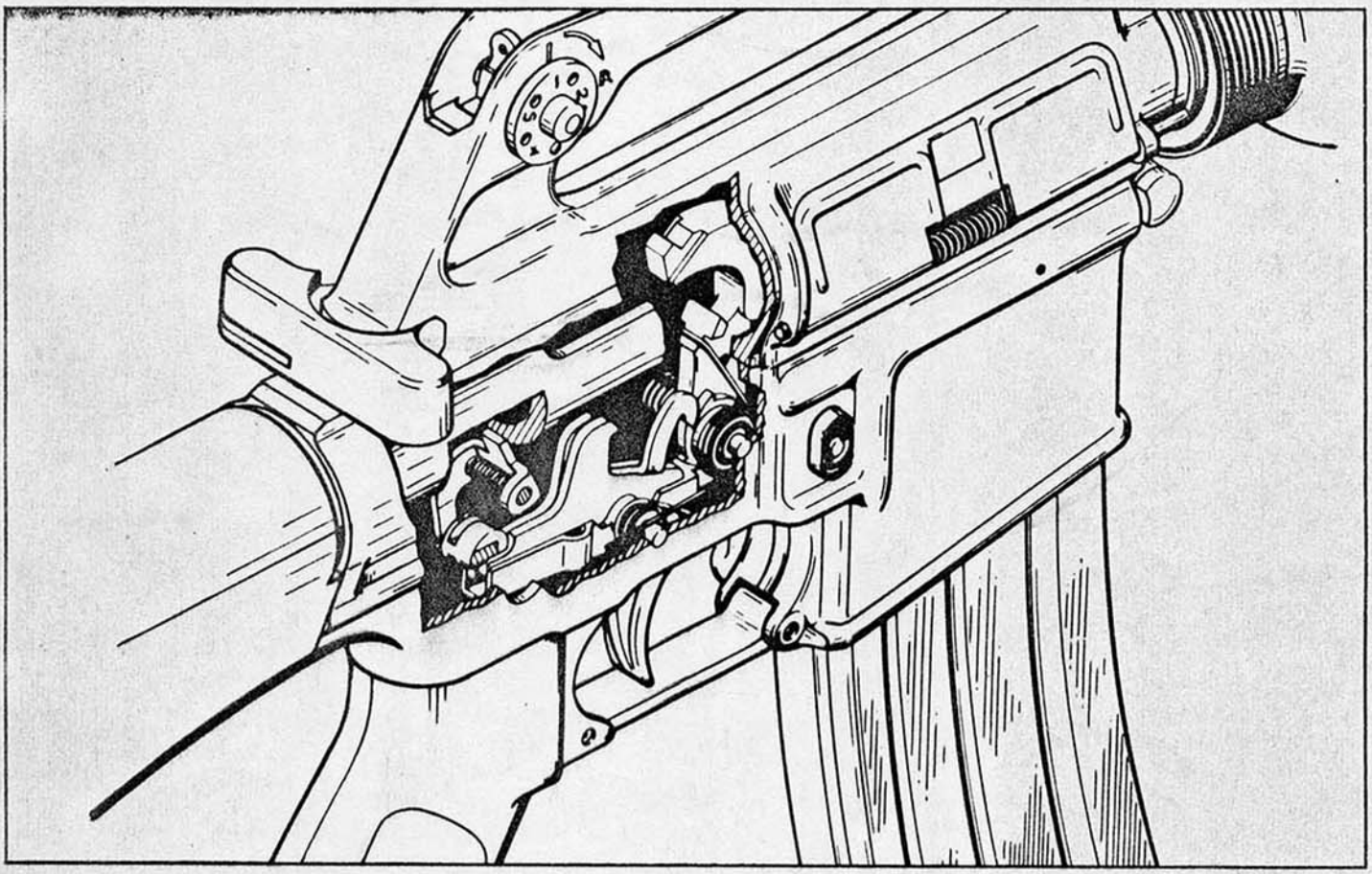
INSTRUCTIONS

SECTION I - GENERAL

1.1 - The Colt Burst Control provides an additional fire control mode for the Colt AR-15 series of 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 three consecutive rounds. This function will continue until another fire control mode is selected or until the magazine is empty.

1.2 - When this modification is installed there will be four positions for the selector lever (safety): SAFE, SEMI, AUTO and BURST. The BURST position will be located directly underneath the AUTO position with the selector pointing downward.

BURST CONTROL MODIFICATION KIT



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 M16 and M16A1 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 fire 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 Decalcomania. A decalcomania (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.

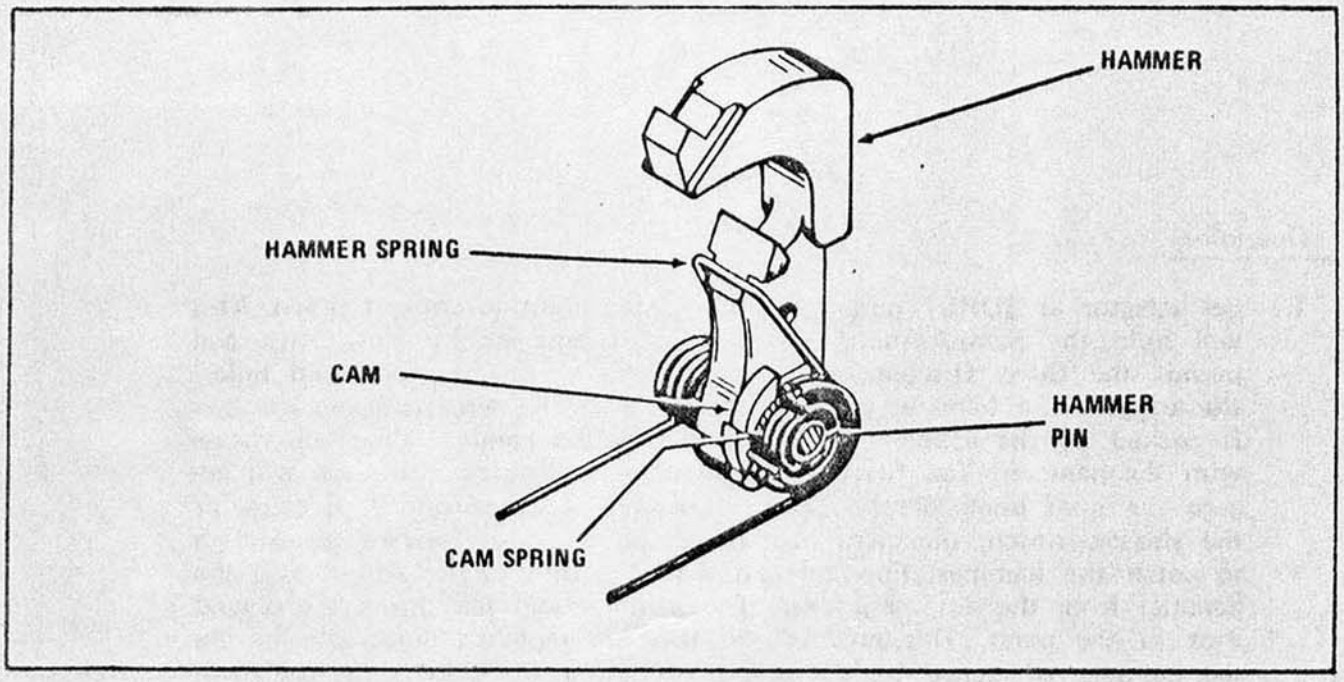
(b) Hammer Assembly. Insert the Clutch Spring in the Burst Control Cam with the bent leg of the spring inward and engaged with the slot of the cam. Slide the cam on the right (small) hub of the hammer with the ratchet side inward. Be certain that the clutch spring is pressed in flush or below the hammer 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 and 3-11, Steps 7 thru 12, in TM 9-1005-249-34.

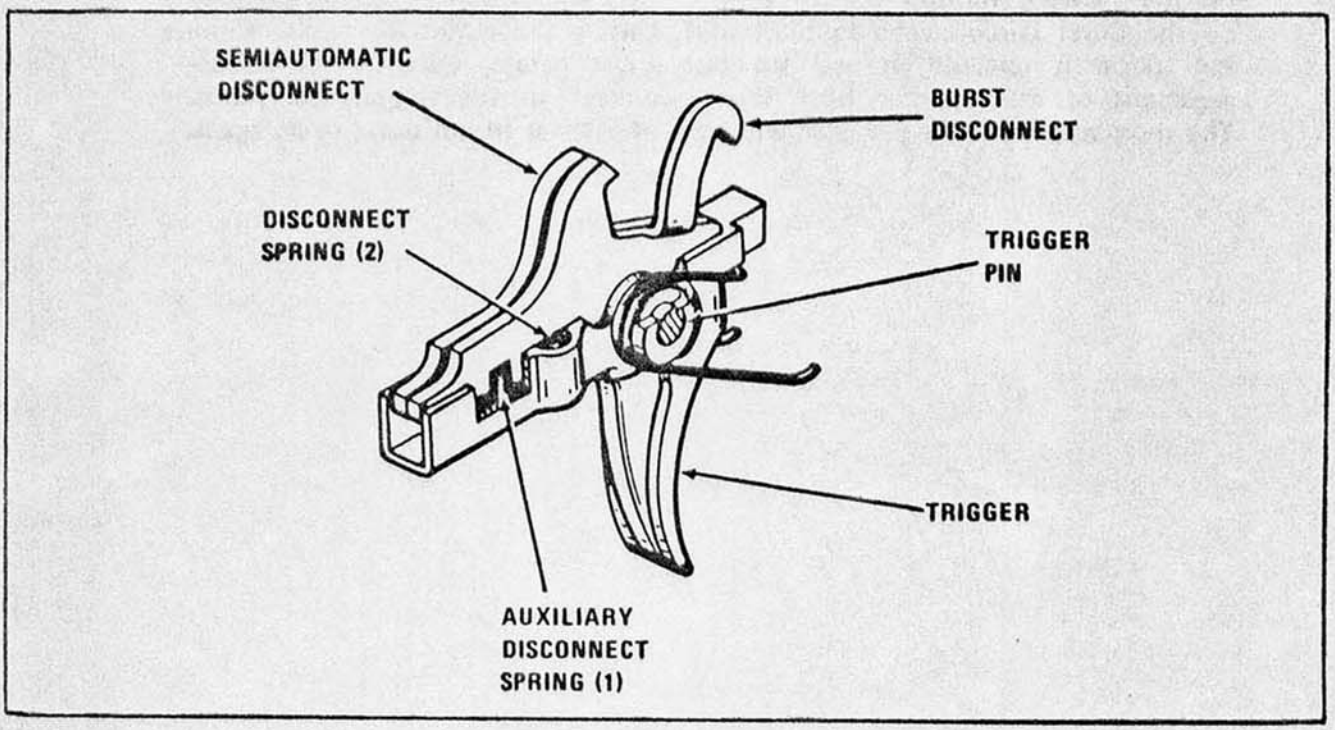
SECTION III

Operation

1.7 Set selector at BURST position with pointer pointing 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

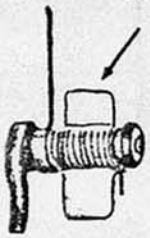
Standard Parts to be Removed		Kit Parts to be Installed	
Part No.	Nomenclature	Part No.	Nomenclature
61590	Sear, Automatic	GX-4940	Sear, Automatic
62317	Hammer and Hammer Pin Assembly	GX-5065	Hammer
		GX-4930 or GX-4999	Cam (two-shot) Cam (three-shot)
61697	Spring, Hammer	GX-5067	Spring, Hammer
		GX-4931	Spring, Cam
61955	Trigger	GX-5070	Trigger
62344	Disconnect	GX-5068	Disconnect (burst)
		GX-5071	Disconnect (semiautomatic)
61925	Spring, Disconnect (1 required)	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.

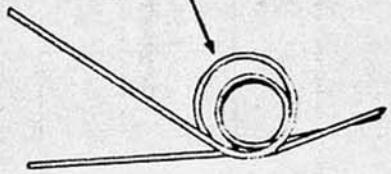
When the above parts are assembled in a modification kit, they are identified as follows:

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

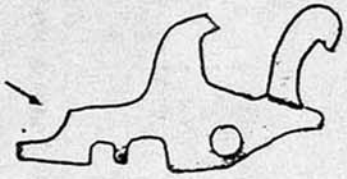
BURST CONTROL KIT PARTS



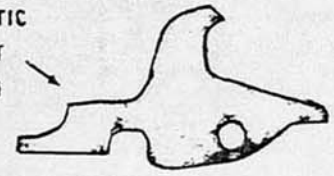
AUTOMATIC SEAR
P/N GX-4940



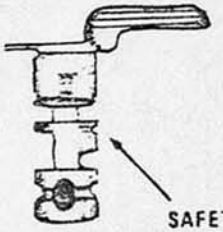
HAMMER SPRING
P/N GX-5067



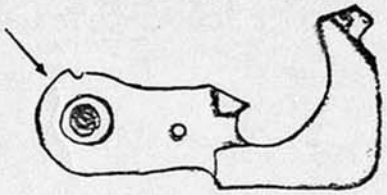
BURST
DISCONNECT
P/N GX-5068



SEMIAUTOMATIC
DISCONNECT
P/N GX-5071



SAFETY SELECTOR
LEVER-P/N GX-5066



HAMMER
P/N GX-5065

DISCONNECT
SPRING
P/N 61925

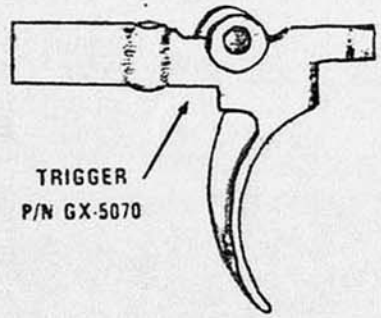
AUXILIARY
DISCONNECT
SPRING
P/N GX-5069

DECALCOMANIA
P/N GX-6039

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

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

CAM SPRING
GX-4931



TRIGGER
P/N GX-5070

INSTRUCTIONS

for the

INSTALLATION AND OPERATION

of the

COLT TWO - and THREE - SHOT BURST CONTROL MODE

Parts contained in this modification kit may be installed in

M16, XM16E1, Sub-Machine Gun and Heavy Assault Rifle

MANUFACTURED BY

COLT FIREARMS DIVISION
COLT INDUSTRIES, INC.
HARTFORD, CONN.

MODIFICATION KIT

THREE SHOT BURST CONTROL

INTRODUCTION

This modification kit contains all parts, tools and instructions necessary for the installation of the Colt Three Shot Burst Control. This modification may be made on any of the Colt AR-15 series of weapons, including the M-16, XM16E1, Sub Machine Gun CAR-15 and Rifle Heavy Assault M-1 CAR-15. Two shot burst control procedures and parts are identical except for the hammer cam. Two shot cam is listed separately in the parts list, Section IV.

CHAPTER I

THREE SHOT BURST CONTROL

INSTRUCTIONS

SECTION I - GENERAL

1.1 - The Colt Burst Control provides an additional fire control mode for the Colt AR-15 series of 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 three consecutive rounds. This function will continue until another fire control mode is selected or until the magazine is empty.

1.2 - When this modification is installed there will be four positions for the selector lever (safety): SAFE, SEMI, AUTO and BURST. The BURST position will be located directly underneath the AUTO position with the selector pointing downward.

(a) Label. A label is supplied which must be affixed to the receiver before installation of the selector lever. The label is placed over the present selector lever markings to indicate the positions of the lever with' burst control added. To apply the label, clean all dirt and oil from the receiver. To prevent instant adhesion, and to permit the label to slip easily for positioning, wet the receiver with water and detergent. Remove backing sheet from the label. Place label on receiver in proper position. Using a stiff piece of cardboard, squeegee water and bubbles from the label working from the center to the edge. Wipe clean with a damp cloth. Be certain all edges adhere tightly.

SECTION II - INSTALLATION

1.3 - PARTS. A parts list will be found in SECTION IV. Parts may be identified in Figure I.

1.4 - DISASSEMBLY. Disassemble the lower receiver as illustrated in Fig. 3-5, Steps 16-22 in TM 9-1005-249-14, Rifle, 5.56 MM, M16 and XM16E1. DO NOT remove the action spring guide assembly.

1.5 - ASSEMBLY

(a) Trigger Assembly. To simplify installation of the trigger assembly proceed as follows:

Holding 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 the 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 in the hole. Place Semi Disconnect Auxiliary Spring (small spring) into the smaller hole. Place Burst Disconnect (with nose hook) into right side of trigger slot. Place Semi Disconnect into left side of trigger slot. Be certain the three springs are properly positioned. Insert a short pin (half a trigger pin is ideal) through holes in the trigger and disconnects. This will hold assembly together. Assemble trigger spring to trigger. Place assembly into the receiver in the proper position. Insert trigger pin. As trigger pin is pushed home the short pin will be ejected.

1.6 - All Burst Control parts are installed in the same way as standard parts as shown in Fig. 3-5, Steps 2-8, in TM 9-1005-249-14.

SECTION III - OPERATION

1.7 - Set selector lever at Burst position with pointer pointing straight down. This will hold SEMI Disconnect inoperative and permit Burst disconnect to operate. Pull and hold the trigger. The hammer will fall. As the cartridge fires and the hammer is cocked by action of the bolt and 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. 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. This deeper notch will permit the Burst Disconnect to move 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, the hammer will be engaged by the Burst Disconnect halting the automatic cycle. When the trigger is released the disconnect moves rearward with the trigger, releasing the hammer which is simultaneously engaged by the trigger sear. The next squeeze of the trigger will start the three round burst cycle again.

NOTE

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

SECTION IV - PARTS LIST

Parts may be identified in Figure 1. Standard parts are shown in the top row for comparison.

NAME	NUMBER	ILLUSTRATION KEY Figure 1
Trigger	GX5070	1B
Disconnect Springs (2)	61925	2Std.
Disconnect Auxiliary Spring	GX5069	3B
Semi Disconnect	GX5071	4B
Burst Disconnect	GX5068	5B
Selector Lever	GX5066	6B
Sear	GX4940	7B
Hammer Spring	GX5067	8B
Hammer	GX5056	9B
Hammer Cam (3-shot)	GX4999	10B
Hammer Clutch Spring	GX4931	11B
Decal	GX6039	Not Shown

The following standard parts are interchangeable:

Trigger Spring	61657	Mounted on Trigger
Trigger Pin	61654	4
Sear Pin	61615	7
Hammer Pin	61654	10

NOTE

The above parts are supplied for three-shot burst control. Two-shot burst control is also available. Only the hammer cam need be changed. All other parts are identical.

Hammer Cam (2-shot)	GX4930	Not Shown.

3 Shot GX6394
2 " GX6395

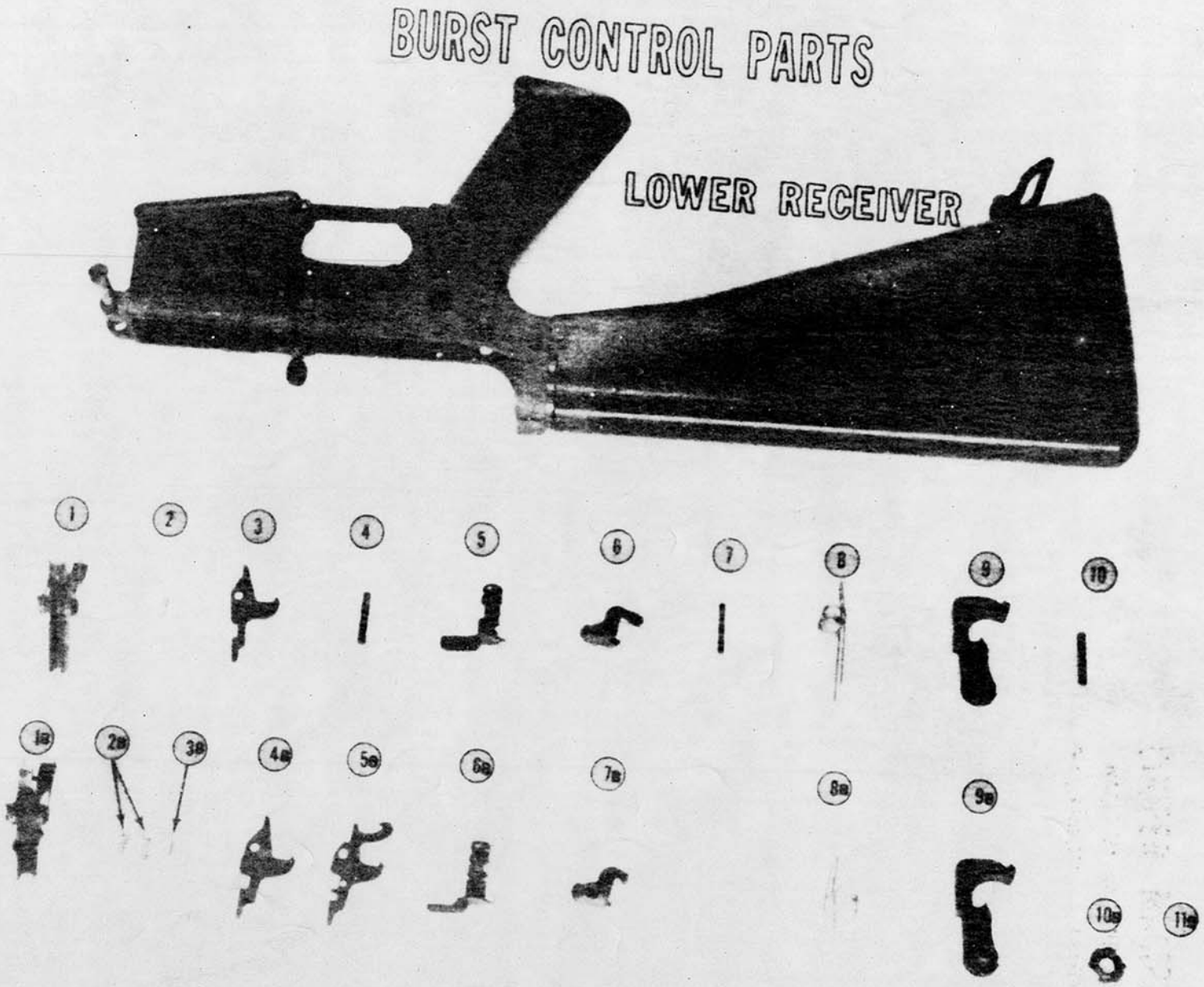

BURST CONTROL PARTS
LOWER RECEIVER
1
2
3
4
5
6
7
8
9
10
1a
2a
3a
4a
5a
6a
7a
8a
9a
10a
11a

FIGURE 1.