

TECHNICAL DATA TRANSMITTAL ACTION

SUBJECT AND/OR IDENTIFICATION OF ITEM ERR'S AND DIAZOS ON M16 RIFLE FAMILY		DATE 7 March 1973 mm
TO: Commander Aberdeen Proving Ground ATTN: Materiel Testing Directorate STEAP-MT-I, Mr. S. Doilney Aberdeen Proving Ground, Md. 21005	FROM: Commander US Army Weapons Command ATTN: AMSWE-MSD Rock Island, Illinois 61201	
REMARKS AND/OR INCLOSURE LISTING Inclosed are the following ERR's and Diazos:		
<p style="margin-left: 40px;">HQR 20839 HQR 20778 HQR 30645</p> <p>The proprietary note stamped on each document must be strictly adhered to and a certificate of destruction of all copies of documents received or reproduced must be forwarded to:</p> <p style="margin-left: 40px;">Commander US Army Weapons Command ATTN: AMSWE-MSD Rock Island, Illinois 61201</p> <p>The inclosed ERR's and Diazos have been received with the following exception noted:</p> <p style="margin-left: 40px;">ERR No. HQR-20839, Revision received on documents listed; however, the obsolete document is not in file (certificate of destruction will not cover). Circled ltrs indicate obsolete document missing.</p>		
TYPED NAME AND POSITION TITLE DONALD R. LANNOO ACTING CHIEF, TECHNICAL DATA DIVISION	SIGNATURE	
ACKNOWLEDGEMENT		
PLEASE ACKNOWLEDGE RECEIPT BY RETURNING ONE SIGNED COPY OF THIS FORM TO:		
Commanding General US Army Weapons Command ATTN: AMSWE-MSD Rock Island, Illinois 61201		
RECEIVED BY (TYPED NAME AND TITLE) S. A. DOILNEY, C. Small Arms Br	SIGNATURE	DATE 28 March 1973

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 47 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Handguard Assembly Left Hand		3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448557	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) -	6. REVISION LETTER (NEW) A	8. ECP NO. HQREE1671
		700427	721006	

8. DESCRIPTION OF REVISION

Action: Updated drawing to comply with the preferred format of ANSI Y14.5

Added: Zone C-4: Note "2. MIL-W-13855 Applies"
Reason: To maintain Rifle TDP compatibility.

Removed: Drawing size from all part number callouts.
Reason: To correct part number callouts.

Changed: Zone A-3: "See PL-8448557" WAS "See EPL-8448557"
Reason: Not applicable to present drawing format.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>K. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 48 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201 SWERR-S-P		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Liner, Handguard Left Hand		3. MFR. CODE 19204	4. DOCUMENT NUMBER D8448559	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A	6. ECP NO. (NEW) B	8. ECP NO. HQREE1674
		710220	721006	

8. DESCRIPTION OF REVISION

Action: Added ASTM and Federal Specification to material callout.

Changed: Zone D-8: Note 1.

"Aluminum Alloy, Alclad 6061-T4, per ASTM B209-71 or Aluminum Alloy 3003-H14, Spec QQ-A-250/2." WAS "Alclad 6061-T4, alternate matl Alum 3003-H14" (In Material Block)

Reason: To standardize materials used in the manufacture of component parts.

Misc. Update

Changed: Zone D-8: Renumbered Notes, Note "2" WAS "1", Note "3" WAS "2"

Added: Zone A-3: In Material Block: "See Note 1"

Reason: To maintain drawing compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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- EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>H. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>H. A. Golak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 49 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Handguard Assembly Right Hand		3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448561	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) -	(NEW) A	6. ECP NO. HQREE1671
8. DESCRIPTION OF REVISION		700427	721006	

Action: Updated drawing to comply with the preferred format of ANSI Y14.5

Added: Zone C-4: Note "2. MIL-W-13855 Applies"

Reason: To maintain Rifle TDP compatibility.

Removed: Drawing size from all part number callouts

Reason: To correct part number callouts.

Changed: Zone A-3: "See PL-8448561" WAS "See EPL-8448561"

Reason: Not applicable to present drawing format.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.

CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 50 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Liner, Handguard Right Hand		3. MFR. CODE 19204	4. DOCUMENT NUMBER D8448563	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A	6. ECP NO. HQREE1674	7. REVISION LETTER (NEW) B

8. DESCRIPTION OF REVISION

Action: Added ASTM and Federal Specification to material callout.

Changed: Zone D-8: Note 1.
 "Aluminum Alloy, Alclad 6061-T4, per ASTM B209-71 or Aluminum Alloy 3003-H14, Spec QQ-A-250/2." WAS "Alclad 6061-T4, Alternate Mat. Alum 3003-H14" (In Material Block)

Reason: To standardize materials used in the manufacture of component parts.

Misc. Update

Changed: Zone D-8: Renumbered Notes: Note "2" WAS "1", Note "3" WAS "2"

Added: Zone A-3: In Material Block: "See Note 1"

Reason: To maintain drawing compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. J. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>W. Brozak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 51 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Sight and Gas Tube Assy		3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448565	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) F	6. ECP NO. (NEW) G	HQREE1671
		720721	721006	

8. DESCRIPTION OF REVISION

Action: Updated drawing and replaced missing restrictive notice.

Removed: Drawing size from all part number callouts.

Reason: To correct part number callouts.

Changed: Zone A-3: "See PL-8448565" WAS "See EPL-8448565"

Reason: Not applicable to present drawing format.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.

REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.

CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Brodak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 52 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201 <p align="center">SWERR-S-P</p>	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Gas Tube Assembly	3. MFR. CODE 19204	4. DOCUMENT NUMBER D8448567	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	5. REVISION LETTER (CURRENT) A	6. ECP NO. HQREE1671	7. REVISION LETTER (NEW) B

8. DESCRIPTION OF REVISION

Action: Updated geometric tolerances

Changed: Zone A-5: ".125 Dia +.003 Thru This Side WAS ".125 Dia +.003 Thru This Side Only $\boxed{\begin{array}{c} \perp \\ \equiv \\ C \end{array}} .010 \text{ Total} "$ Side Only $\boxed{\begin{array}{c} \perp \\ \equiv \\ C \end{array}} .010 "$

Zone B-3: ".078 Dia +.003 Thru WAS ".078 Dia +.003 Thru $\boxed{\begin{array}{c} \perp \\ D \\ .004 \\ \equiv \\ C \end{array}} .004 \text{ Total} "$ $\boxed{\begin{array}{c} \perp \\ D \\ .004 \\ \equiv \\ C \end{array}} .004 "$

Reason: To comply with the preferred methods of ANSI Y14.5.

Misc. Update

Added: Zone D-8: Note "3. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.

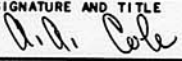
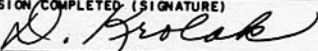
Changed: Zone A-4: "See PL-8448567" WAS "See EPL 8448567"
Reason: Not applicable to present drawing format.

Changed: Zone D-8: Note 1.
"Make from Gas Tube and Plug Assembly- 8448568" WAS "Make from Gas Tube and Plug Assembly-D8448568."
Reason: To correct part number callout for drawing compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

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AUTHORITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE 	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) 	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 53 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	SWERR-S-P	DATE	MFR. CODE	NOR. NO.
		730206	19204	HQR20778
2. TITLE OF DOCUMENT Tube, Gas	3. MFR. CODE	4. DOCUMENT NUMBER		
	19204	B8448569		
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	5. REVISION LETTER (CURRENT)	6. ECP NO.		
	A	B	HQREE1674	
	700715	721006		

8. DESCRIPTION OF REVISION

Action: Added Military Specification to material callout.

Changed: Zone D-5: Note 1.

"Tubing, Steel, Corrosion-Resistant (304), Type I, Round, .187 O.D. +.005, .0350 ±.0055 wall thickness, 1/2 H-Cold Drawn, Spec MIL-T-5695."

WAS "Steel Tubing, Stainless, AISI 304 or 321, seamless, 1/2 hard, .187 OD +.005 X .0350 ±.0055 wall."

Reason: To standardize materials used in the manufacture of component parts.

Removed: Zone A-5: In Mechanical Properties Block: "110,000 Min"

Reason: Mechanical properties are covered in material specification

Misc. Update

Added: Zone C-5: Note "3. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grodek</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 54 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Plug, Gas Tube	3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448570	
	5. REVISION LETTER (CURRENT) -	(NEW) A	6. ECP NO. HQREE1674
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	700427	721006	

8. DESCRIPTION OF REVISION

Action: Added Federal Specification to material callout.

Changed: Zone D-5: Note 1.

"Wire, Steel, Corrosion Resisting, Cmpsn 302, 304 or 321, Condition A, Spec QQ-W-423."	WAS	"Stainless Steel, AISI Type 302, AISI Type 304 or AISI Type 321."
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Reason: To standardize materials used in the manufacture of component parts.

Misc. Update

Added: Zone C-5: Note "4. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

Removed: Zone A-4: In Application Block: "D8448718 XM177E2", "XM177"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

<input type="checkbox"/> EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.	<input checked="" type="checkbox"/> REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.	<input type="checkbox"/> CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:
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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.L. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 55 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Suppressor, Flash		3. MFR. CODE 19204	4. DOCUMENT NUMBER D8448576	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) B	(NEW) C	6. ECP NO. HQREE1671
		710220	721006	

8. DESCRIPTION OF REVISION

Action: Updated geometric tolerances

Changed: Zone D-8: Note 2.
 "All outside diameters $\text{\textcircled{F}} .010 \text{ Dia}$ " WAS "All outside diameters $\text{\textcircled{F}} .010$ "
 Zone B-6: ".343 Dia" WAS ".343 Dia"
 " $\text{\textcircled{D}} .010 \text{ Dia}$ " WAS " $\text{\textcircled{D}} .010$ "
 Zone D-4: ".67 Dia" WAS ".67 Dia"
 " $\text{\textcircled{D}} .010 \text{ Dia}$ " WAS " $\text{\textcircled{D}} .010$ "
 Zone C-3: ".864 Dia - .004" WAS ".864 Dia - .004"
 " $\text{\textcircled{D}} .010 \text{ Dia}$ " WAS " $\text{\textcircled{D}} .010$ "
 "- F- " WAS "- F- "
 Zone B-3: "6 Slots" WAS "6 Slots"
 " $\text{\textcircled{F}} .010 \text{ Total}$ " WAS " $\text{\textcircled{F}} .010$ "

Reason: To comply with the preferred methods of ANSI Y14.5

Misc. Update

Changed: Zone D-5: "1/2 -28 UNEF-2B Mod..... perpendicular to datum" WAS "1/2 -28 UNEF-2B Mod..... perpendicular to surface"
 "- E- " within .003....." WAS "- E- " within .003....."

Reason: To correct wording of note.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Brodak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 57 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Lower Receiver and Receiver Extension Assembly		3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448579	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16A1		5. REVISION LETTER (CURRENT) - (NEW) A	6. ECP NO. HQREE1671	

8. DESCRIPTION OF REVISION

Action: Updated drawing to comply with the preferred format of ANSI Y14.5

Added: Zone C-4: Note "1. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.

Removed: Drawing size from all part number callouts.
Reason: To correct part number callouts.

Changed: Zone A-3: "See PL-8448579" WAS "See EPL-8448579"
Reason: Not applicable to present drawing format.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>M. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
 (SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 58 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16A1	3. MFR. CODE 19204		4. DOCUMENT NUMBER D8448580
	5. REVISION LETTER (CURRENT) A		6. ECP NO. (NEW) B HQREE1676

8. DESCRIPTION OF REVISION

Action: Clarified color range in Final Protective Finish note.

Changed: Zone D-8: In Note

"2.Finish shall be lusterless (flat), approx black, No. 37038, Table IX but not lighter than gray, No. 36076, Table VIII of Fed-Std-595, and seal." WAS ".....Dye black (color to be within the range of 36118 to 37038 of Fed-Std-595) and seal."

Reason: To clarify color shade to produce uniformity in weapon color.

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. D. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>A. Brozak</i>	DATE 730214

NOTICE OF REVISION (NOR)
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This revision described below has been authorized for the document listed. SHEET 59 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Extension, Receiver	3. MFR. CODE 19204	4. DOCUMENT NUMBER D8448581	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	5. REVISION LETTER (CURRENT) C	(NEW) D	6. ECP NO. HQREE1671

8. DESCRIPTION OF REVISION

Action: Updated geometric tolerance

Changed: Zone D-8: Note 3.

"All diameters to be ⊙ A .010 Dia "	WAS	"All diameters to be concentric with -A- within .010 Dia."
Zone B-6: ".625 - .010 ⊕ A .010 Total "	WAS	".625 - .010 ≡ A .010 "
Zone C-4: "1.000 Dia ±.003"	WAS	"1.000 Dia ±.003 - .006 "

Reason: To comply with the preferred methods of ANSI Y14.5 and to remove a tolerance duplication.

Misc. Update

Changed: Zone C-5: ".005 Max undercut permissible, all around" WAS ".005 Max undercut permissible"

Zone C-3: ".010 Max undercut permissible, all around" WAS ".000 +.010 mismatch allowed"

Zone B-4: ".500 Max" WAS ".475 ±.025"

Reason: To clarify drawing requirements.

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CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

AUTHORITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE A.A. Cole	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) R. Krolak	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 60 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Retainer, Buffer		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448582	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) -	6. (NEW) A	8. ECP NO. HQREE1674
		700427	721006	HQREE1671

8. DESCRIPTION OF REVISION

HQREE1674

Action: Changed material specification from Military to Federal and converted mechanical properties requirement.

Changed: Zone D-5: Note 1.
"Steel, Cmpsn 4130 or 41L30, Spec QQ-S-624." WAS "AISI 4130 Cold Drawn Bar per MIL-S-6758 or AISI 41L30."

Zone A-4: In Mechanical Properties Block:
"15N 72.5-76" WAS "C26-32"

Reason: To standardize materials and to provide a hardness scale compatible with component size.

HQREE1671

Action: Updated geometric tolerance.

Changed: Zone C-5: Note 4:
"All diameters \oplus B .006 Dia." WAS "All diameters \ominus B .006."

Reason: To comply with the preferred methods of ANSI Y14.5

Misc. Update

Added: Zone C-5: Note "5. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

Removed: Zone A-4: In application block "D8448910 XML77", "D8448725 XML77E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.H. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 61 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448583	
	5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQREE1675;

8. DESCRIPTION OF REVISION
HQREE1675
Action: Redrawn with change to update spring data with the latest format "AMSWE Form 403B, 29 Jul 69", which includes Military Specification MIL-S-13572.
Reason: To aid in the production of quality springs.

HQREE1674
Action: Added Military Specification to material callout and converted Mechanical Properties requirement.
Changed: Zone C-5: Note 1.
"Wire, Corrosion Resisting, 17-7PH, WAS "Stainless Steel, 17-7PH, Cold Drawn, Spec MIL-W-46078, except Cond C, Cold Drawn Wire." dia as specified. Paragraph 3.6.1 shall not apply."
Zone A-5: In Mechanical Properties Block: "15N 84.5 Min" WAS "C48 Min"
Reason: To standardize materials and to provide a hardness scale compatible with component size.

Misc. Update
Added: Zone B-5: Note "3. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.

Removed: Zone A-4: In Application Block: "D8448910 X177", "D8448725 X177E2"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. D. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>M. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 62 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Pin, Takedown		3. MFR. CODE 19204	4. DOCUMENT NUMBER D8448584	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) -	(NEW) A	6. ECP NO. HQREE1674; HQREE1671

8. DESCRIPTION OF REVISION

HQREE1674

Action: Added Federal Specification to material callout.

Changed: Zone D-8: Note

"1. Steel, Alloy, Cmpsn 8620 or 86I20, Spec QQ-S-624." WAS "Steel, AISI 8620 or 8620 leaded, .15 to .35 lead permitted."

Reason: To standardize materials used in the manufacture of component parts.

HQREE1671

Action: Updated geometric tolerances.

Changed: Zone B-3: ".098 ±.004

WAS ".098 ±.004

$\begin{matrix} \equiv & A & .006 & \text{Total} \\ - & C & - & \end{matrix}$ "

$\begin{matrix} \equiv & A & .006 \\ - & C & - \end{matrix}$ "

Zone B-4: ".062 Dia +.003
To Depth Shown
2 Places

WAS ".062 Dia +.003
To Depth Shown
2 Places

$\begin{matrix} \oplus & C & .006 & \text{Total} \end{matrix}$ "

$\begin{matrix} \equiv & C & .006 \end{matrix}$ "

Reason: To comply with the preferred methods of ANSI Y14.5

Misc. Update

Removed: Zone C-3: ".080 Dia Max 2 Places"

"#1 Center Max Permissible Both Ends"

Reason: To remove mfg process information.

Removed: Zone A-4: In Application Block: "F8448910 XML77", "D8448725 XML77E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

Added: Zone C-8: Note "7. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>A. J. Golak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 63 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Detent, Takedown Pin	3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448585	
	5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQREE1674;
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	700715	721006	HQREE1671

8. DESCRIPTION OF REVISION

HQREE1674

Action: Added Federal Specification to material callout

Changed: Zone D-5: Note 1

"Steel, Cmpsn 1012, 1013, 1015 or 1212, 1213, 1113, Spec QQ-S-624" WAS "Steel, AISI C1212, C1213, B1113, or C1215, cold drawn bar"

Added: Zone D-4: Note "7. Heat treatment: Quench and temper to hardness specified."

Reason: To standardize materials and heat treat information.

HQREE 1671

Action: Updated goemetric tolerance.

Changed: Zone C-3:

"90° ± 2°

WAS "90° ± 2° Cham

⊕ B .006 Dia Both Ends"

⊙ B .006 Both Ends"

Reason: To comply with the preferred methods of ANSI Y14.5

Misc. Update

Changed: Zone C-5: Note 3

"Break sharp edges .005 Max."

WAS "Break sharp edges to .005 R Max"

Reason: To correct wording of note.

Added: Zone D-4: Note "8. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

Removed: Zone A-4: In Application Block: "D8448910", "F8448909 XML77", "D8448725", "F8448724 XML77E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

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REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.

CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. H. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Brolek</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 64 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Spring, Detent, Takedown Pin	3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448586	
	5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQREE1675;
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	700715	721006	HQREE1674

8. DESCRIPTION OF REVISION

HQREE1675

Action: Redrawn with change to update spring data with the latest format "AMSWE Form 403B, 29 Jul 69", which includes Military Specification MIL-S-13572.

Reason: To aid in the production of quality springs.

HQREE1674

Action: Added Military Specification to material callout and converted Mechanical Properties requirement.

Changed: Zone C-5: Note 1.

"Wire, Corrosion Resisting, 17-7PH, WAS "Stainless Steel, 17-7PH, Cold Drawn, Spec MIL-W-46078, except Cond C, Cold Drawn Wire." diameter as specified. Paragraph 3.6.1 shall not apply."

Zone A-5: In Mechanical Properties Block:

"15N 84.5 Min" WAS "C48 Min"

Reason: To standardize materials and to provide a hardness scale compatible with component size.

Misc. Update

Added: Zone B-5: Note "3. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

Removed: Zone A-4: In Application Block: "D8448910"; "F8448909 XML77", "D8448725", "F8448724 XML77E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777).

9. THIS SECTION FOR GOVERNMENT USE ONLY

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CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 65 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE	NOR. NO.
		19204	HQR20778
2. TITLE OF DOCUMENT Trigger Guard Assembly	3. MFR. CODE	4. DOCUMENT NUMBER	
	19204	B8448587	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	5. REVISION LETTER (CURRENT) =	(NEW) A	6. ECP NO. HQREE1385
	700427	721006	

8. DESCRIPTION OF REVISION

Misc Update

Removed: Zone A-4: In Application Block: "D8448910 XML77", "D8448725 XML77E2"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

Changed: Zone C-2: "Plunger, Trigger Guard-8448589" WAS "Plunger, Trigger Guard-B8448589"
Zone C-2: "Spring, Trigger Guard-8448590" WAS "Spring, Trigger Guard-B8448590"
Zone B-3: "Guard, Trigger-8448588" WAS "Guard, Trigger-C8448588"
Reason: To correct part number callout

Changed: Zone A-5: "See PL-8448587" WAS "See EPL-8448587"
Reason: Not applicable to present drawing format.

Added: Zone D-5: Note "1. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. D. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>K. Brolok</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 66 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Guard, Trigger		3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448588	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A	6. ECP NO. (NEW) B	HQREE1676; HQREE1674; HQREE1693
		710220	721006	

8. DESCRIPTION OF REVISION

HQREE1676

Action: Clarified color range in final protective finish note.

Changed: In Note "4.....Finish shall be luster- WAS ".....Dye black (color to be less (flat), approx black, No. within the range of 36118 37038, Table IX but not lighter to 37038 of Fed-Std-595) than gray, No. 36076, Table and seal." VIII of Fed-Std-595, and seal."

Reason: To clarify color shade to produce uniformity in weapon color.

Misc. Update

Removed: "XM177" and "XM177E2" from Application Block.

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

HQREE1674

Changed: Zone A-2: In Material Block:

"Aluminum Alloy 7075-T6, Spec QQ-A-200/11" WAS "Aluminum Alloy 7075-T6"

Reason: To standardize materials used for manufacture of component parts.

HQREE1693

Changed: Zone B-3: ".1275 Dia +.0020 WAS ".1295 Dia +.0020
90° ±4° CSink Both Sides Ream through 90° ± 4°
to .17 Dia Csink both sides to .17 Dia

Changed: Zone C-2:

±	B	.002
---	---	------

 WAS

±	B	.002
---	---	------

Reason: To remove restrictive process information in agreement with WECOM policy for product drawings, and to insure functional trigger guards that meet the requirements of paragraph 3.3.2.8 of Military Specification MIL-R-45587.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. D. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Krolak</i>	DATE 730219

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 67 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Plunger, Trigger Guard		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448589	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQREE1674;
		701015	721006	HQREE1671

8. DESCRIPTION OF REVISION

HQREE1674

Action: Added Military Specification to material callout.

Changed: Zone D-5: Note 1.

"Wire, Steel, Corrosion Resisting, Free WAS "Stainless Steel, AISI Type
Machining Stock, Class 303, annealed, 303, annealed, cold drawn
cold drawn, spec MIL-W-52263." .156 Dia -.003."

Reason: To standardize materials used for the manufacture of component parts.

HQREE1671

Action: Updated geometric tolerance

Changed: Zone C-2: ".115 Dia -.003 WAS ".115 Dia -.003

\oplus B .005 Dia " \oplus B .005 "

Reason: To comply with the preferred methods of ANSI Y14.5

isc. Update

Removed: Zone A-4: In Application Block: "XML77", "XML77E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

Changed: Zone B-3: ".156 Dia -.003 WAS ".156 Ref Stock Dia

\ominus B " \ominus B "

Reason: To maintain drawing compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT

SWERR-S-P

SIGNATURE AND TITLE

D. D. Cole

DATE

730215

ACTIVITY ACCOMPLISHING REVISION

SWERR-S-P

REVISION COMPLETED (SIGNATURE)

D. Krolak

DATE

730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 68 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Spring, Trigger Guard		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448590	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A	6. ECP NO. (NEW) B	8. ECP NO. HQREE1675; HQREE1674

8. DESCRIPTION OF REVISION

HQREE1675

Action: Redrawn with change to update spring data with the latest format "AMSWE Form 403B, 29 Jul 69", which includes Military Specification MIL-S-13572.

Reason: To aid in the production of quality springs.

HQREE1674

Action: Added Military Specification to material callout and converted Mechanical Properties requirement.

Changed: Zone C-5: Note 1.

"Wire, Corrosion Resisting, 17-7PH, WAS "Stainless Steel, 17-7PH Cold
Cold Drawn, Spec MIL-W-46078, except Drawn Wire, Cond C."
dia as specified. Paragraph 3.6.1
shall not apply."

Zone A-4: In Mechanical Properties Block:

"15N 84.5 Min" WAS "C48 Min"

Reason: To standardize materials and to provide a hardness scale compatible with component size.

Misc. Update

Added: Zone B-5: Note "3. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

Removed: Zone A-4: In Application Block: "XML77", "XML77E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

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CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. D. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>W. Brolek</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 69 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Trigger Assembly		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448591	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQREE1385
		701015	721006	

8. DESCRIPTION OF REVISION

Misc. Update

Removed: Zone A-4: In Application Block: "F8448909 XM177", "F8448724 XM177E2"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

Changed: Zone A-5: "See PI-8448591" WAS "See EPI-8448591"
Reason: Not applicable to present drawing format

Zone D-3: "Trigger-8448592" WAS "Trigger-F8448592"
"Spring, Disconnect-8448594" WAS "Spring, Disconnect B8448594"
Zone D-2: "Spring, Trigger-8448593" WAS "Spring, Trigger-B8448593"

Reason: To correct part number callout.

Added: Zone D-5: Note "1. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Golak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 700F 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	3. MFR. CODE 19204	4. DOCUMENT NUMBER F8448592	
	5. REVISION LETTER (CURRENT) B	6. (NEW) C	8. ECP NO. HQREE1674

8. DESCRIPTION OF REVISION

Action: Added Military Specification to material callout and converted mechanical properties requirement.

Changed: Zone E-8: Note 1.
 "Steel, investment casting, cmpsn IC 8620, Spec MIL-S-22141, except that manganese content shall be .70 to 1.20%." WAS "Steel - AISI 8620 - Cast alloys may contain carbon .15 to .25%, manganese .70 to 1.20%, and silicon .20 to .80%."

Zone A-4: In Mechanical Properties Block:
 "15N 89.5-91" WAS "30N 76.5 to 79"

Reason: To standardize materials and to provide a hardness scale compatible with component size.

Misc. Update

Changed: Zone D-8: Note 10.
 "Finish 125/ except as noted." WAS "Machined surfaces to be 125/ unless otherwise specified."

Reason: To comply with requirement of spec MIL-S-22141.

Changed: Zone C-3: "Mark Mfg Ident Symbol and Cavity....." WAS "Vendor & Cavity....."

Removed: Zone B-3: "Mark Mfr Ident Symbol .125 ±.015 high, .005 max neg only, in approx position shown, either side. Ident mark to be approved by the Govt."
 Zone B-1: "Optional location for vendor & cavity ident, in approx position shown."

Reason: To clarify casting mark.

Removed: Zone A-3: In Application Block "XML77E2", "XML77"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

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CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>A. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 71 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Spring, Trigger		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448593	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) B	(NEW) C	6. ECP NO. HQREE1674
		710220	721006	

8. DESCRIPTION OF REVISION

Action: 1) Added Military Specification to material callout
2) Converted Mechanical Properties requirement.

Changed: Zone D-5: Note 1.
"Wire, Corrosion Resisting, 17-7PH, Cold Drawn, Spec M1L-W-46078." WAS "Stainless Steel Wire, 17-7PH, Cold Drawn, Cond C, .0360 Dia ±.00075."

Reason: To standardize materials used for manufacture of component parts.

Changed: Zone A-4: In Mechanical Properties Block:
"15N 84.5 Min" WAS "C48 Min"

Reason: To provide a hardness scale compatible with component size.

Misc. Update

Removed: Zone A-4: In Application Block: "XML77", "XML77E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 72 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201 SWERR-S-P	DATE	MFR. CODE	NOR. NO.
	730206	19204	HQR20778
2. TITLE OF DOCUMENT Spring, Disconnect	3. MFR. CODE	4. DOCUMENT NUMBER	
	19204	B8448594	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	5. REVISION LETTER (CURRENT) A (NEW) B		6. ECP NO.
	700715 721006		HQREE1674; HQREE1675

8. DESCRIPTION OF REVISION

HQREE1674

Action: Added Military Specification to material callout and converted Mechanical Properties requirement.

Changed: Zone D-5: Note 1:

"Wire, Corrosion Resisting, 17-7PH, Cold Drawn, Spec MIL-W-46078, except dia as specified." WAS "Steel, Stainless, 17-7PH, Cold Drawn Wire, Cond C."

Zone A-4: In Mechanical Properties Block:

"15N 84.5 Min" WAS "C48 Min"

Reason: To standardize materials, and to provide a hardness scale compatible with component size.

HQREE1675

Action: Added Military Specification for manufacture of springs.

Added: Zone A-5: "Manufacture in Accordance with Type I, Grade B, MIL-S-13572."

Reason: To aid in the production of quality springs.

Misc. Update

Added: Zone C-5: Note "3. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

Removed: Zone A-4: In Application Block: "XML77", "XML77E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

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CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT
SWERR-S-P

SIGNATURE AND TITLE

A.D. Cole

DATE

730215

ACTIVITY ACCOMPLISHING REVISION
SWERR-S-P

REVISION COMPLETED, (SIGNATURE)

K. Brolek

DATE

730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 73 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Automatic Sear Assy		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448595	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) -	(NEW) A	6. ECP NO. HQREEL385
		700427	721006	

8. DESCRIPTION OF REVISION

Action: Remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777), and complete misc. update to drawing and drawing format.

Removed: Zone A-4: In Application Block: "XML77", "XML77E2"

Changed: Zone C-3: "Spring, Auto Sear-8448598" WAS "Spring, Auto Sear-B8448598"
 "Sear, Auto. - 8448596" WAS "Sear, Auto.-C8448596"
 Zone C-1: "Bushing, Auto. Sear-8448597" WAS "Bushing, Auto. Sear-C8448597"
 Zone A-4: "See PL-8448595" WAS "See EPL-8448595"

Reason: To correct part number callouts.

Pictorial Changes:

Zone C-3 & C-4: Corrected representation by removing bend in long arm of spring.
 Reason: To agree with present configuration of spring.

Zone B-4: Raised position of sectioning symbols.

Zone B-2: Revised picture to more clearly define positioning of spring in bushing slot.

Added: Zone B-1: Note "Short Arm of Spring Shall Be Positioned Into Bushing Slot As Shown"

Reason: Clarification of view representing assembly of spring to bushing.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 74 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201 2. TITLE OF DOCUMENT Sear, Automatic	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448596	6. ECP NO. HQRE1671
	5. REVISION LETTER (CURRENT) A	(NEW) B	

8. DESCRIPTION OF REVISION

Action: Updated geometric tolerance

Added: Zone D-3: " - A -

Zone D-3: " L A .0034" to the .1555 Dia callout.

Removed: Zone C-4: Note 2. "Perpendicular to plane established by - C - and - D - within .0034"

Zone C-1: " - C -

Zone B-1: " - D -

Zone D-2: "Note 2 Applies" from the .1555 Dia callout.

Reason: To provide a functional method of tolerancing.

Misc. Update

Removed: Zone A-3: In Application Block "XM177", "XM177E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

Added: Zone C-4: Note 4. "MIL-W-13855 Applies."

Reason: To maintain rifle TDP compatibility.

Changed: Zone C-4: Note "2" WAS "3", Note "3" WAS "4"

Reason: To maintain drawing compatibility.

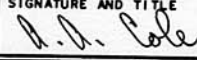

9. THIS SECTION FOR GOVERNMENT USE ONLY

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CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE 	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) 	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 75 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Bushing, Automatic Sear		3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448597	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) - (NEW) A	6. ECP NO. HQREE1674; HQREE1671	

8. DESCRIPTION OF REVISION

HQREE1674

Action: Added Federal Specification to material callout

Changed: Zone D-4: Note 1.

"Steel, Corrosion Resisting, Free Machining, Type 303, Spec QQ-S-764." WAS "Stainless Steel, AISI Type 303."
(In Material Block)

Reason: To standardize materials used in the manufacture of component parts.

HQREE1671

Action: Updated geometric tolerance

Changed: Zone B-2: ".1255 Dia ±.0010 Thru ⊙ A .003 Dia" WAS ".1255 Dia ±.0010 Thru ⊙ A .003"

Reason: To comply with the preferred methods of ANSI Y14.5

Misc. Update

Changed: Zone C-4: Note "2" WAS "1", Note "3" WAS "2"

Reason: To maintain drawing compatibility.

Added: Zone C-4: Note "4. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

Removed: Zone A-3: In Application Block: "XML77", "XML77E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

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REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.

CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Brodek</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 76 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Spring, Automatic Sear	3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448598	
	5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQREE1674
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	700715	721006	

8. DESCRIPTION OF REVISION

Action: Added Military Specification to material callout and converted Mechanical Properties requirement.

Changed: Zone D-5: Note 1.
 "Wire, Corrosion Resisting 17-7PH, Cold Drawn, Spec MIL-W-46078, except dia as specified." WAS "Stainless Steel Wire, 17-7PH, Cond C, .0260 Dia ±.0003."

Zone A-5: In Mechanical Properties Block:
 "15N 84.5 Min" WAS "C48 Min"

Reason: To standardize materials and to provide a hardness scale compatible with component size.

Misc. Update

Added: Zone B-5: Note "4. MIL-W-13855 Applies."
 Reason: To maintain Rifle TDF compatibility.

Removed: Zone A-4: In Application Block: "XM177", "XM177E2"
 Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 78 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Rifle Assembly - M16		3. MFR. CODE 19204	4. DOCUMENT NUMBER IL8448600	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle Assembly - M16		5. REVISION LETTER (CURRENT) B	(NEW) C	6. ECP NO. HQREE1674
8. DESCRIPTION OF REVISION		720719	721219	

Changed: "LD 8448600 (4 Sheets)" WAS "LD 8448600 (2 Sheets)"
 "SL 8448600 (5 Sheets)" WAS "SL 8448600 (4 Sheets)"

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. A. Cole</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 79 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQRE20778
2. TITLE OF DOCUMENT Rifle Assembly - M16		3. MFR. CODE 19204	4. DOCUMENT NUMBER LD8448600(4Shts)	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle Assembly - M16		5. REVISION LETTER (CURRENT) L	(NEW) M	6. ECP NO. HQREE1674;
		720915	721006	HQREE1675

8. DESCRIPTION OF REVISION

Revised and Retyped on 4 Sheets - WAS 2 Sheets

Changed: "B8448516" WAS "C8448516"

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR=S=P	SIGNATURE AND TITLE <i>D. D. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR=S=P	REVISION COMPLETED (SIGNATURE) <i>D. Brolek</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 80 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Rifle Assembly - M16		3. MFR. CODE 19204	4. DOCUMENT NUMBER SI8448600(5Shts)	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle Assembly - M16		5. REVISION LETTER (CURRENT) AE	(NEW) AF	6. ECP NO. HQREE1674
		721214	721219	

8. DESCRIPTION OF REVISION

Revised and retyped - WAS 4 Shts

Added: "Aluminum Alloy 7075, Plate and Sheet QQ-A-250/12"

"Aluminum-Alloy Sheet and Plate ASTM B209-71"

"Sintered Carbon Steel Structural Parts ASTM B310-70"

"Steel, Alloy, Sheet and Strip, Hot-Rolled QQ-S-627"

"Steel Bar, Corrosion Resisting, Free Machining QQ-S-764"

"Steel, Investment Castings Alloy and Carbon MIL-S-22141"

"Steel, Sheet and Strip, Low-Carbon QQ-S-698"

"Tool Steel, Alloy QQ-T-570"

"Tubing, Steel, Corrosion-Resistant (304), Cold Drawn MIL-T-5695"

"Wire, Steel, Corrosion Resistant, Free Machining Stock MIL-W-52263"

"Wire, Steel, Corrosion-Resisting QQ-W-423"

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. D. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 81 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Receiver, Lower		3. MFR. CODE 19204	4. DOCUMENT NUMBER F8448608(2Shts)	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) D	6. (NEW) E	8. ECP NO. HQREE1671; HQREE1693

8. DESCRIPTION OF REVISION
HQREE1671 - Action: Updated geometric tolerances.

SHEET 1:

Changed: Zone E-4: ".312 +.006 $\boxed{\equiv L .006 \text{ Total}}$ " WAS ".312 +.006 $\boxed{\equiv L .006}$ "
 Zone D-1: ".097 Dia +.004
To Depth Shown
 $\boxed{\equiv AC .010 \text{ Total}}$
-J- " WAS ".097 Dia +.004
To Depth Shown
 $\boxed{\equiv AC .010}$
-J- "
 Zone B-3: ".251 Dia ±.001..... WAS ".251 Dia ±.001.....
 $\boxed{\perp AH .002}$
 $\boxed{\equiv U .020 \text{ Total}}$
 $\boxed{\parallel S .002}$
 AC- " $\boxed{\perp AH .002}$
 $\boxed{\equiv U .020}$
 $\boxed{\parallel S .002}$
 -AC- "
 Zone A-3: ".204 Dia +.003..... WAS ".204 Dia +.003.....
 $\boxed{\equiv AM .006 \text{ Total}}$
 -T- " $\boxed{\equiv AM .006}$
 -T- "
 Zone C-4: ".318 $\boxed{\equiv T .010 \text{ Total}}$ " WAS ".318 $\boxed{\equiv T .010}$ "

SHEET 2

Changed: Zone D-1: ".125 Dia +.003..... WAS ".125 Dia +.003.....
 $\boxed{\equiv M .004 \text{ Total}}$ " $\boxed{\equiv M .004}$ "
 Zone A-5: ".156 R ±.010 WAS ".156 R ±.010
 $\boxed{\equiv K .008 \text{ Total}}$ " $\boxed{\equiv K .008}$ "
 Zone A-6: ".898 WAS ".898
 $\boxed{\equiv K .010 \text{ Total}}$ " $\boxed{\equiv K .010}$ "
 ".470 WAS " $\boxed{\equiv K .006}$.470"
 Zone B-7: ".097 Dia +.004..... WAS ".097 Dia +.004
 $\boxed{\equiv V .010 \text{ Total}}$ " $\boxed{\equiv V .010}$ "

Reason: To comply with the preferred methods of ANSI Y14.5.
HQREE1693 - Action: Decreased trigger guard slot widths.

SHEET 1

Changed: Zone A-1: ".438 +.008 $\boxed{\equiv W .004 \text{ Total}}$ " WAS ".440 +.006
 $\boxed{\oplus AA \text{ } \textcircled{S} .010 \text{ Total}}$
 $\parallel AH .010$

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CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Brolek</i>	DATE 730214

Receiver, Lower

Rev E 721006

F8448608 (2Shts)

8. Description of Revision - Continued.

SHEET 2

Changed: Zone A-7: ".438 +.008

≡	AA	.010	Total
-W-	"		

WAS ".440 +.006

⊕	AA (S)	.010	Total
	AH	.010	"

Reason: To insure function of trigger guard per the requirements of Spec MIL-R-45587.

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 83 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Pin, Hammer & Trigger		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448609	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) 700427	(NEW) A 721006	6. ECP NO. HQREE1674

8. DESCRIPTION OF REVISION

Action: Added Federal Specification to material callout and converted Mechanical Properties requirement.

Changed: Zone A-3: In Material Block:
"Wire, Steel, Cmpsn 4130, Spec QQ-W-405" WAS "Steel AISI 4130"

Zone A-5: In Mechanical Properties Block:
"15N 72.5-76" WAS "C26-32"

Added: Zone C-5: Note "4. Heat Treatment: Quench and temper to hardness specified."

Reason: To standardize materials and to provide a hardness scale compatible with component size.

Disc. Update

Added: Zone B-5: Note "5. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.

Removed: In Application Block: "F8448724 XM177E2", "F8448909 XM177"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777).

9. THIS SECTION FOR GOVERNMENT USE ONLY

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CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>R. D. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>Ronald Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 84 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Hammer Assy		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448610	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) 700427	(NEW) 721006	6. ECP NO. HQREE1385

8. DESCRIPTION OF REVISION

Misc. Update

Removed: Zone A-3: In Application Block: "F8448909 XML77", "F8448724 XML77E2"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

Changed: Zone A-5: "See PL-8448610" WAS "See EPL-8448610"
Reason: Not applicable to present drawing format.

Changed: Zone C-2: "Spring, Hammer-8448611" WAS "Spring, Hammer-C8448611"
Zone B-1: "Hammer and Hammer Pin Retainer Assy-8448612" WAS "Hammer and Hammer Pin Retainer Assy-C8448612"
Reason: To correct part number callout.

Added: Zone D-5: Note "1. MIL-W-13855 Applies"
Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 85 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Spring, Hammer		3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448611	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) B	6. (NEW) C	8. ECP NO. HQREE1674

8. DESCRIPTION OF REVISION

Action: Converted Mechanical Properties requirement.

Changed: Zone A-3: In Mechanical Properties Block "15N 84.5 Min" WAS "C48 Min"
Reason: To provide a hardness scale compatible with component size.

Misc Update

Changed: Zone D-4: Note 1.
"Wire, Corrosion Resisting, 17-7PH, Cold Drawn, Spec MIL-W-46078, Wire Dia .046 ±.002." WAS "Stainless Steel Wire, 17-7PH, Cold Drawn to Cond C, per MIL-W-46078, except Wire dia .0450 ±.0010"

Reason: To clarify wording of note.

Added: Zone C-4: Note "3. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

- EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>W. J. Szolok</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 86 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Hammer and Hammer Pin Retainer Assembly		3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448612	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A	6. ECP NO. HQREE1385	
		710220	B	721006

8. DESCRIPTION OF REVISION

Removed: Zone A-3: In Application Block "XM177", "XM177E2"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

Misc. Update

Changed: Zone B-3: ".050 +.005 -C- See Note 1" WAS ".050 +.005 -C-"

Changed: Zone D-4: Note 1.
"Coin both sides of Retainer, 8448614 to -C-. After coining, retainer shall have .010 min longitudinal movement."
Reason: To clarify wording of notes.

WAS "Coin both sides of Retainer, B8448614 to -C-. After coining retainer is to have .010 min longitudinal movement."

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. D. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 87 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Hammer		3. MFR. CODE 19204	4. DOCUMENT NUMBER F8448613(2Shts)	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) B	6. (NEW) C	8. ECP NO. HQREE1674;
		710220	721006	HQREE1671

8. DESCRIPTION OF REVISION
HQREE1674 - Action: Added Military Specification to material callout, and converted mechanical properties requirement.

SHEET 1

Changed: Zone E-8: Note 1.

<p>"Steel, investment casting, cmpsn IC 4620 or IC 8620, Spec MIL-S- 22141, except that manganese content shall be .70 to 1.20%."</p>	WAS	<p>"Steel, AISI 4620 or AISI 8620, casting alloy, may con- tain carbon .15 to .25%, manganese .70 to 1.20%, and silicon .20 to .80%."</p>
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Reason: Zone A-3: In Mechanical Properties Block: "15N 89-91" WAS "30N 75-79"
To standardize materials and to provide a hardness scale compatible with component size.

HQREE1671 - Action: Updated geometric tolerance.

SHEET 1

<p>Changed: Zone B-1: ".06 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>≡</td><td>D</td><td>.010</td></tr><tr><td> </td><td>E</td><td>.010</td></tr></table> Total</p>	≡	D	.010		E	.010	WAS	<p>".06 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>≡</td><td>D</td><td>.010</td></tr><tr><td> </td><td>E</td><td>.010</td></tr></table>"</p>	≡	D	.010		E	.010
≡	D	.010												
	E	.010												
≡	D	.010												
	E	.010												

Reason: To comply with the preferred methods of ANSI Y14.5.

Misc. Update

SHEET 1

Changed: Zone C-8: Note 10.

<p>"Finish 125/ except as noted."</p>	WAS	<p>"Machined surfaces to be 125/ unless otherwise specified."</p>
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Reason: To correct wording of note to comply with requirements of specification MIL-S-22141.

Removed: Zone A-3: In Application Block: "XML77", "XML77E2"

Reason: To remove reference to obsolete Submachine Guns (Ref ERR HQR 10777)

SHEET 2

Changed: Zone C-2: "MFG Ident symbol and cavity....." WAS "Vendor and cavity....."

Removed: Zone B-2: "Mark MFR Ident Symbol .094 ±.015 High, .005 Max negative only in approx position shown, either side. Mark to be approved by the Govt."

Reason: To clarify casting mark.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. J. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Brolek</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 88 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201 SWERR-S-P	DATE	MFR. CODE	NOR. NO.
	730206	19204	HQR20778
2. TITLE OF DOCUMENT Retainer, Hammer Pin	3. MFR. CODE	4. DOCUMENT NUMBER	
	19204	B8448614	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	5. REVISION LETTER (CURRENT) A (NEW) B		6. ECP NO.
	700715		721006 HQREE1674

8. DESCRIPTION OF REVISION

Action: Reworded material callout and converted Mechanical Properties requirement.

Changed: Zone D-5: Note 1.
 "Wire, Corrosion Resisting, 17-7PH, Cold Drawn, Spec MIL-W-46078. Paragraph 3.6.1 shall not apply." WAS "Stainless Steel Wire, 17-7PH, Cold Drawn to Cond C per MIL-W-46078."

Zone A-5: In Mechanical Properties Block:
 "15N 84.5 Min" WAS "C48 Min"

Reason: To clarify material requirements and to provide a hardness scale compatible with component size.

Misc. Update

Added: Zone B-5: Note "4. MIL-W-13855 Applies."
 Reason: To maintain Rifle TDP compatibility

Removed: Zone A-4: In Application Block: "XM177", "XM177E2"
 Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.

REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.

CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>K. Brodak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 91 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Weight, Buffer		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448617	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) -	6. REVISION LETTER (NEW) A	8. ECP NO. HQREE1674

8. DESCRIPTION OF REVISION

Action: Added Federal Specification to material callout.

Changed: Zone D-5: Note 1.

"Steel, Cmpsn 1013, 1015, or 1213, WAS "Steel, AISI C1213 or C1215
Spec QQ-S-624" or AISI 12L15"

Reason: To standardize materials used for manufacture of component parts.

Misc. Update

Removed: Zone A-4: In Application Block "X1177", "C8448730 X1177E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

Removed: Zone C-5: Note "3. Break Sharp Edges .005 +.010"

Reason: To remove conflicting double dimensioning.

Added: Zone C-5: Note "3. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.

REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.

CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>R. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. A. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 92 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Disc, Buffer		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448618	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQREE1385
		700715	721006	

8. DESCRIPTION OF REVISION

Misc. Update

Removed: Zone A-4: In Application Block "XML77", "C8448730 XML77E2"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

Added: Zone C-5: Note "2. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

- EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D.A. Cole</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 93 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201 SWERR-S-P	DATE	MFR. CODE	NOR. NO.
	730206	19204	HQR20778
2. TITLE OF DOCUMENT Bumper, Buffer	3. MFR. CODE	4. DOCUMENT NUMBER	
	19204	B8448619	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	5. REVISION LETTER (CURRENT) A (NEW) B		6. ECP NO.
	720424		721006 HQREE1671

8. DESCRIPTION OF REVISION

Action: Updated geometric tolerance

Changed: Zone B-5: Note 4 "All diameters WAS "All diameters ⊕ D .005"

⊕ D .005 Dia"

Reason: To comply with the preferred methods of ANSI Y14.5

Misc. Update

Added: Zone B-5: Note "5. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

- EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 94 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Spacer, Buffer	3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448620	
	5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQREE1671
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	710426	721006	

8. DESCRIPTION OF REVISION

Action: Updated geometric tolerance

Changed: Zone B-2: $\text{⊕} | C | .010 \text{ Dia}$ " WAS $\text{⊙} | C | .010 \text{ Dia}$ " $\text{⊕} | C | .010 \text{ Dia}$ Thru $\text{⊙} | C | .010 \text{ Dia}$ Thru

Reason: To comply with the preferred methods of ANSI Y14.5

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 95 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	3. MFR. CODE 19204	4. DOCUMENT NUMBER D8448621	
	5. REVISION LETTER (CURRENT) B	(NEW) C	6. ECP NO. HQREE1674; HQREE1671

8. DESCRIPTION OF REVISION

HQREE1674
Action: Added Federal Specification to material callout.
Changed: Zone D-8: Note 1.
"Steel, Alloy, Cmpsn 8620 or 86120, WAS "Steel, AISI 8620 or AISI 8620 leaded, .15/.35 lead Spec QQ-S-624." permitted."

Reason: To standardize materials used for the manufacture of component parts.

HQREE1671
Action: Updated geometric tolerances
Changed: Zone B-5: ".062 Dia +.003 to depth shown 90° ± 4° CSK to .08 Dia, WAS ".062 Dia +.003 to depth shown 90° ± 4° CSK to .08 Dia, $\oplus B .005 \text{ Total}$ " $\equiv B .005$ "
Zone B-3: ".062 Dia +.003 thru 90° ± 4° CSK to .08 Dia WAS ".062 Dia +.003 thru 90° ± 4° CSK to .08 Dia $\oplus B .005 \text{ Total}$ " $\equiv B .005$ "

Reason: To comply with the preferred methods of ANSI Y14.5.

Misc. Update
Changed: Zone C-8: Note 6.
"Grind after heat treatment. Max reduction in diameter by grinding .006" WAS "Grind after heat treat. Max reduction in diameter by grinding .006"

Reason: To clarify wording of note.
Removed: Zone A-4: In Application Block: "F8448909 XML77", "F8448724 XML77E2"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)
Removed: Zone B-3: "Centers permissible, both ends .100 Dia Max"
Reason: To remove mfg process information.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 96 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	3. MFR. CODE 19204		4. DOCUMENT NUMBER C8448627
	5. REVISION LETTER (CURRENT) C (NEW) D		6. ECP NO. HQREE1674;

8. DESCRIPTION OF REVISION

HQREE1674

Action: Added Federal Specification to material callout.

Changed: Zone A-2: In Material Block
 "Steel, Cmpsn 1010 thru 1018 or 10L18, Spec QQ-S-624" WAS "Steel, AISI C1010 thru C1018 or Ledloy "B" "

Reason: To standardize materials used for manufacture of component parts.

HQREE1671

Action: Updated geometric tolerance

Changed: Zone C-3: ".064 +.011 \oplus A .010 Total" WAS ".064 +.011 \equiv A .010"

Reason: To comply with the preferred methods of ANSI Y14.5.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. A. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 97 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Catch, Bolt		3. MFR. CODE 19204	4. DOCUMENT NUMBER D8448628	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) B	6. (NEW) C	8. ECP NO. HQREE1674
		710220	721006	

8. DESCRIPTION OF REVISION

HQREE1674

Action: Added Military Specification to material callout.

Changed: Zone D-8: Note 1.

"Steel, Investment Casting, Cmpsn IC 8620, Spec MIL-S-22141, except that manganese content shall be .70 to 1.20%."	WAS	"Steel, AISI 3310, Casting Alloy. May contain C.05 to .15%, Mn .30 to .60%, Si .20 to .70%, or AISI 8620, Casting Alloy. May contain C.15 to .25%, Mn .70 to 1.20%, Si .20 to .80%"
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Reason: To standardize materials used in the manufacture of component parts.

Misc. Update

Changed: In Note 2.

"Classification and inspection of castings shall be in accordance with Class 2A, Grade A, Spec MIL-C-6021, except Class 1B, Grade C is permissible in area F."	WAS	"Castings shall be capable of meeting foundry practice as specified in MIL-C-6021, Class 2A, Grade A except Class 1B, Grade C permissible in area F"
--	-----	--

Reason: To clarify wording of note.

Changed: Zone A-8: "Mfg Ident Symbol and Cavity.." WAS "Vendor and Cavity....."

Reason: To clarify casting mark.

Changed: Zone C-4: "Area F, See Note 2" WAS "F"

Reason: To maintain drawing compatibility.

Removed: Zone A-4: In Application Block: "F8448909 XML77", "F8448724 XML77E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. D. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Brodak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 98 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448629	
	5. REVISION LETTER (CURRENT) A	6. REVISION LETTER (NEW) B	8. ECP NO. HQREE1674; HQREE1675

8. DESCRIPTION OF REVISION
HQREE1674
Action: Added Military Specification to material callout and converted Mechanical Properties requirement.

Changed: Zone D-5: Note 1.
"Wire, Corrosion Resisting, 17-7PH, WAS "Stainless Steel, 17-7PH,
Cold Drawn, Spec MIL-W-46078" Cond C, Cold Drawn Wire"

Zone A-5: In Mechanical Properties Block:
"15N 84.5 Min" WAS "C48 Min"
Reason: To standardize materials and to provide a hardness scale compatible with component size.

HQREE1675
Action: Added Military Specification for manufacture of springs.

Added: Zone B-4: "Manufacture in Accordance with Type I, Grade A, MIL-S-13572"
Reason: To aid in the production of quality springs.

Misc. Update

Added: Zone C-5: Note "3. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. F. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 99 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Selector, Fire Control		3. MFR. CODE 19204	4. DOCUMENT NUMBER F8448630(2Shts)	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A (NEW) B	730104	6. ECP NO. HQREE1674; HQREE1671; 0003-F-0024

8. DESCRIPTION OF REVISION

HQREE1674 - Action: Added Military Specification to material callout.
SHEET 1
Changed: Zone E-8: Note 1.
"Steel, investment casting, cmpsn IC 8620, WAS "Steel, AISI 8620, casting alloy may contain: carbon .15 to .25%, manganese .70 to 1.20%, and silicon .20 to .80%."
Reason: To standardize materials used for manufacture of component parts.

HQREE 1671 - Action: Updated geometric tolerance.
SHEET 1
Changed: Zone C-4: ".183 ±.010 3 Places WAS ".183 ±.010 3 Places
≡ B .006 Total" ≡ B .006"
Reason: To comply with the preferred methods of ANSI Y14.5.
sc. Update
SHEET 1
Added: Zone C-8: Note 9. "Finish 125/ except as noted"
Reason: To comply with requirement of specification MIL-S-22141.
Changed: Zone C-8: Note "10" WAS "9", "11" WAS "10"
Reason: To maintain drawing compatibility.
Changed: Zone C-2: "Mark MFG Ident Symbol & WAS "Vendor & Cavity Identification
Cavity.....""
Removed: Zone B-2: "Weapon MFR identification symbol .06 high approx, .005 max negative only, in approx position shown"
Reason: To clarify casting marks.
Removed: Zone A-3: In Application Block: "F8448909 XML77", "F8448724 XML77E2"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)
SHEET 2 - Action: Updated geometric tolerance
Changed: Zone B-3: "≡ J .010 Total" WAS "≡ J .010"
Reason: To comply with the preferred methods of ANSI Y14.5.
Misc. Update - SHEET 2
Changed: Zone B-6: "Mark MFG Ident symbol and WAS "Vendor and cavity identi-
cavity....." fication....."
Removed: Zone B-4: "Weapon MFG Identification symbol .06 high approx, .005 max negative only, in approx position shown"
Reason: To clarify casting marks.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Grolak</i>	DATE 730214

Selector, Fire Control

Rev B 730104

F8448630 (2Shts)

8. Description of Revision - Continued.

0003-F-0024

SHEET 1

Changed: Zone B-4: ".3730 Dia -.0015 -N- " WAS ".373 Dia -.001"

Reason: To provide a more realistic tolerance compatible with requirements of application and the manufacturing process.

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 101 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448631	
	5. REVISION LETTER (CURRENT) B	(NEW) C	6. ECP NO. HQREE1674;

8. DESCRIPTION OF REVISION

HQREE1674

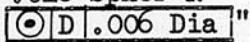

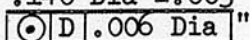

Action: Added Federal Specification to material callout and converted mechanical properties requirement.

Changed: Zone A-3: In Material Block:
"Steel, Cmpsn 1117, Spec QQ-S-624" WAS "Steel AISI C1117"
Zone A-5: In Mechanical Properties Block:
"15N 89-91" WAS "C58-62"

Reason: To standardize materials and to provide a hardness scale compatible with component size.

HQREE1671

Action: Updated geometric tolerance

Changed: Zone B-2: ".016 Spher R" WAS ".016 Spher R"


 Zone B-1: ".140 Dia ±.003" WAS ".140 Dia ±.003"



Reason: To comply with the preferred methods of ANSI Y14.5

Misc. Update

Removed: Zone A-4: In Application Block: "F8448909 XM177", "F8448724 XM177E2"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>W. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 102 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Grip, Pistol		3. MFR. CODE 19204	4. DOCUMENT NUMBER F8448632	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) B	6. (NEW) C	8. ECP NO. HQREE1671

8. DESCRIPTION OF REVISION

Action: Updated geometric tolerance

Changed: Zone E-4: ".380 +.005" WAS ".380 +.005"

≡	D	.015 Total
---	---	------------

≡	D	.015	-E-	"
---	---	------	-----	---

-E-	"
-----	---

Reason: To comply with the preferred methods of ANSI Y14.5.

Misc. Update

Changed: Zone A-6: "Mark manufacturer's identification symbol....." WAS "Weapon manufacturer's identification symbol....."

Reason: To clarify part marking requirement.

Removed: Zone A-3: In application Block: "F8448909 XML77", "F8448724 XML77E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777).

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 103 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Spring, Bolt Catch		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448633	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQREE1675; HQREE1674

8. DESCRIPTION OF REVISION

HQREE1675

Action: Redrawn with change to update spring data with the latest format "AMSWE Form 403B 29 July 69", which includes Military Specification MIL-S-13572.
Reason: To aid in the production of quality springs.

HQREE1674

Action: Added Military Specification to material callout and converted Mechanical Properties requirement.

Changed: Zone C-5: Note 1.
"Wire, Corrosion Resisting, 17-7PH, WAS "Stainless Steel, 17-7PH, Cold Drawn, Spec MIL-W-46078, except Cold Drawn Wire, Cond C" dia as specified. Paragraph 3.6.1 shall not apply."

Zone A-5: In Mechanical Properties Block: "15N 84.5 Min" WAS "C48 Min"
Reason: To standardize materials and to provide a hardness scale compatible with component size.

Misc. Update

Added: Zone B-5: Note "3. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.

Removed: Zone A-4: In Application Block: "F8448724 XM177E2", "F8448909 XM177"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 104 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Plunger, Bolt Catch		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448634	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQREE1674; HQREE1671

8. DESCRIPTION OF REVISION

HQREE1674
Action: Added Federal Specification to material callout.

Changed: Zone A-3: In Material Block:
"Steel, Cmpsn 1117 Spec QQ-S-624" WAS "Steel, AISI C1117"
Reason: To standardize materials used for manufacture of component parts.

HQREE1671
Action: Updated geometric tolerance

Changed: Zone C-4: ".100 Dia - .005" WAS ".100 Dia - .005"
 $\text{\textcircled{D}} \text{.006 Dia}$ $\text{\textcircled{D}} \text{.006}$
Reason: To comply with the preferred methods of ANSI Y14.5

Misc. Update

Removed: Zone A-4: In Application Block: "F8448909 XM177", "F8448724 XM177E2"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 105 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	3. MFR. CODE 19204	4. DOCUMENT NUMBER F8448635 (2Shts)	
	5. REVISION LETTER (CURRENT) B	(NEW) C	6. ECP NO. HQREE1674

8. DESCRIPTION OF REVISION

Action: Added Federal Specification to material callout.
 Changed: Zone A-3: In Material Block:
 "Steel, Cmpsn 1065, Spec QQ-S-700" WAS "Steel - AISI 1065"
 Reason: To standardize materials used in the manufacture of component parts.

Misc. Update

Changed: Zone D-8: Note 4.
 ".....63/ (except as noted), be with- WAS ".....63/, be without die
 out die break and [E].001." break and [E].001"
 Reason: To clarify edge finish requirement.
 Changed: Zone B-7: "Mark Mfg Identification Symbol....." WAS "Weapons Mfr's Identification
 Symbol....."
 Reason: To clarify part marking requirement.
 Removed: Zone A-3: In Application Block "F8448909 XM177", "F8448724 XM177E2"
 Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777).

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 1060F126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Button, Magazine Release		3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448636	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) 700427	6. (NEW) A	8. ECP NO. HQR20778; HQR20778; HQR20778

8. DESCRIPTION OF REVISION
HQR20778
Action: Clarified color range in final protective finish note.
Changed: Zone C-4: In Note
"3.....Finish shall be lusterless (flat), WAS ".....Dye black (color to be approx black, no. 37038, Table IX but not within range of 36118 of lighter than gray, no. 36076, Table VIII 37038 of Fed-Std-595) and of Fed-Std-595, and seal." seal"
Reason: To clarify color shade to produce uniformity in weapon color.

HQR20779

Action: Updated geometric tolerance
Changed: Zone C-2: "10-32-UNF-2B WAS "10-32-UNF-2B

⊕	B	.010 Total
⊕	C	.010 Total

≡	B	.010
≡	C	.010

Reason: To comply with the preferred methods of ANSI Y14.5

HQR20780

Action: Added Federal Specification to material callout
Changed: Zone A-2: In Material Block:
"Aluminum Aly 7075-T6, Spec QQ-A-200/11" WAS "Aluminum Alloy 7075-T6"
Reason: To standardize materials used for manufacture of component parts.

Misc. Update

Removed: "F8448909 XM177" and "F8448724 XM177E2"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

Added: Note "4. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

<input type="checkbox"/> EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.	<input checked="" type="checkbox"/> REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.	<input type="checkbox"/> CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:
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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. D. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>A. Grodek</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 107 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Spring, Magazine Catch		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448637	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQREE1675; HQREE1674

8. DESCRIPTION OF REVISION

HQREE1675

Action: Redrawn with change to update spring data with the latest format "AMSWE Form 403B, 29 July 69", which includes Military Specification MIL-S-13572.
Reason: To aid in the production of quality springs.

HQREE1674

Action: Added Military Specification to material callout and converted Mechanical Properties requirement.

Changed: Zone C-5: Note 1.
"Wire, Corrosion Resisting, 17-7PH, Cold Drawn, Spec MIL-W-46078, except dia as specified. Paragraph 3.6.1 shall not apply." WAS "Stainless Steel, 17-7PH, Cold Drawn Wire, Cond C."

Reason: Zone A-5: In Mechanical Properties Block: "15N 84.5 Min" WAS "C48 Min"
To standardize materials and to provide a hardness scale compatible with component size.

Misc. Update

Added: Zone B-5: Note "3. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.

Removed: Zone A-4: In Application Block: "F8448724 XM177E2", "F8448909 XM177"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR-10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. L. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 108 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Catch, Magazine		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448638	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) -	6. (NEW) A	8. ECP NO. HQREEL671
		700427	721006	

8. DESCRIPTION OF REVISION

Action: Updated geometric tolerance
 Removed: Zone B-2: "10-32 UNF-2A Major Dia .1891/.1831 Pitch Dia .1688/.1658 Minor Dia .1508 Max"
 Reason: Not applicable to geometric perpendicularity requirement.

Misc. Update

Added: Zone C-5: Note "2. MIL-W-13855 Applies."
 Reason: To maintain Rifle TDP compatibility.

Removed: Zone A-4: In Application Block "F8448909 XML77", "F8448724 XML77E2"
 Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

Changed: Zone D-4: Note 1
 "Assemble 8448639 and 8448640....." WAS "Assembly C8448639 and C8448640
"
 Zone B-3: "Shaft, Magazine Catch- 8448640 [A].004" WAS "Shaft, Magazine Catch,
 C8448640 [A].004"
 Zone C-2: "Plate, Magazine Catch- 8448639" WAS "Plate, Magazine Catch
 C8448639"

Reason: To correct part number callouts for drawing compatibility.

Changed: Zone A-4: "See PL-8448638" WAS "See EPL-8448638"
 Reason: Not applicable to present drawing format.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE D.D. Cole	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) D. Grodek	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 109 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Plate, Magazine Catch		3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448639	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) -	6. ECP NO. (NEW) A	HQREE1674;
		700427	721006	HQREE1671

8. DESCRIPTION OF REVISION

HQREE1674

Action: Added Federal Specification to material callout and converted mechanical properties requirement.

Changed: Zone A-2: In Material Block:
"Steel, Cmpsn 1018, Spec QQ-S-698" WAS "Steel AISI C1018"

Zone A-3: In Mechanical Properties Block:
"15N 89-91" WAS "C58-62"

Added: Zone C-4: Note "4. Heat Treatment:- Quench and temper to hardness specified"
Reason: To standardize materials and to provide a hardness scale compatible with component size.

HQREE1671

Action: Updated geometric tolerance.

Changed: Zone D-3: To 8-32 UNC-2B Thread callout:

"≡ A .005 Total" WAS "≡ A .005"

Reason: To comply with the preferred methods of ANSI Y14.5

Misc. Update

Removed: Zone A-3: In Application Block "X1177", "X1177E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

Added: Zone C-4: Note "5. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 110 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Shaft, Magazine Catch		3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448640	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQREE1674;
		700715	721006	HQREE1671

8. DESCRIPTION OF REVISION
HQREE1674
Action: Added Federal Specification to material callout.
Changed: Zone D-4: Note 1. "Steel, Cmpsn 1018 or WAS "Steel, AISI 1018 or
10L18, Cold Drawn AISI 10L18, Cold Drawn
Shafting, Spec QQ-S-624." Shafting"
Reason: To standardize materials used for manufacture of component parts.

HQREE1671
Action: Updated geometric tolerance
Changed: Zone C-4: Note 3. "All diameters $\text{\textcircled{B}}$.005 Dia" WAS "All Diameters $\text{\textcircled{B}}$.005"
Reason: To comply with the preferred methods of ANSI Y14.5

Misc. Update
Added: Zone C-4: Note "4. MIL-W-13855 Applies."
Reason: To maintain Rifle TDP compatibility.
Removed: Zone A-3: In Application Block: "XML77", "XML77E2"
Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.D. Cole</i>	DATE 930215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 111 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Lower Receiver Forging		3. MFR. CODE 19204	4. DOCUMENT NUMBER F8448641(2Shts)	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) B	(NEW) C	6. ECP NO. HQREE1671

8. DESCRIPTION OF REVISION

Action: Updated geometric tolerances

SHEET 1

Removed: Zone D-8: Note 13. "Thickness Dims to be sym about plane -AJ- within
.02 Dia"

Changed: Zone D-3: ".87 ≡ AJ .020 Total" WAS ".87"

Zone D-3: "1.08 -X- at -U-" WAS "1.08 -X- at U"

Zone D-8: "Plane -AJ- established by ϕ of -X-, -Y- and -Z-" WAS "Plane -AJ- established by ϕ of X, Y and Z"

SHEET 2

Changed: Zone E-1: "1.38, 2 Places ≡ AJ .020 Total" WAS "1.38, 2 Places"

Zone D-2: ".60 ≡ AJ .020 Total" WAS ".60"

Zone B-1: ".50 ≡ AJ .020 Total" WAS ".50"

Zone B-1: ".66 -Z- at -V-" WAS ".66 -Z- at V"

Reason: To comply with the preferred methods of ANSI Y14.5.

Misc. Update

SHEET 1

Removed: Zone A-3: "XM177", "XM177E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777).

Changed: Zone D-8: Note "13" WAS Note "14", "14" WAS "15"

Reason: To maintain drawing compatibility.

Added: Zone A-3: In mechanical properties block "See Note 1"

Reason: To maintain drawing compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.

REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.

CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Brodak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 112 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201 SWERR-S-P	DATE	MFR. CODE	NOR. NO.
	730206	19204	HQR20778
2. TITLE OF DOCUMENT Upper Receiver Forging	3. MFR. CODE	4. DOCUMENT NUMBER	
	19204	F8448642 (2Shts)	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16A1	5. REVISION LETTER (CURRENT)	6. ECP NO. (NEW)	8. ECP NO.
	A	B	HQREE1671

8. DESCRIPTION OF REVISION

Action: Updated geometric tolerances.

SHEET 1
Removed: Zone C-8: Note 14. "All dimensions to be symmetrical about plane =W= within .02 total"

Changed: Zone A-2: "1.40 Dia ≡W|.020 Total" WAS "1.40 Dia"
SHEET 2
Changed: Zone B-2: "1.08 ≡W|.020 Total" WAS "1.08"
"1.18 ≡W|.020 Total" WAS "1.18"
Zone C-2: ".63 ≡W|.020 Total" WAS ".63"
Zone E-2: ".87 ≡W|.020 Total" WAS ".87"
Zone E-6: ".87 ≡W|.020 Total" WAS ".87"
Zone B-7: "1.38 Dia ≡W|.020 Total" WAS "1.38 Dia"
".66, 2 Places ≡W|.020 Total" WAS ".66, 2 Places"

Reason: To comply with the preferred methods of ANSI Y14.5.
Misc. Update
SHEET 1
Changed: Zone C-8: "Mark Mfg Identification..." WAS "Weapon Mfr's Identification"

Reason: To clarify forging mark.
Removed: Zone A-3: In application block: "F8448703 XML77E2"
Reason: To remove reference to obsoleted Submachine Gun (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY		
A. CHECK ONE		
<input type="checkbox"/> EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.	<input checked="" type="checkbox"/> REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.	<input type="checkbox"/> CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:
ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214









NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 114 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Charging Handle Forging		3. MFR. CODE 19204	4. DOCUMENT NUMBER D8448647	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) -	6. (NEW) A	8. ECP NO. HQREE1671

8. DESCRIPTION OF REVISION

Action: Updated geometric tolerances

Changed: Zone C-7:	"2.00 ±.02	WAS	"2.00 ±.02
	 B .020 Total "		 B .020 "
Zone C-6:	".66 ±.02	WAS	".66 ±.02
	 B .020 Total "		 B .020 "
Zone C-1:	".24	WAS	".24
	 B .030 Total "		 B .030 "
Zone B-1:	".57	WAS	".57
	 B .020 Total "		 B .020 "

Reason: To comply with the preferred methods of ANSI Y14.5.

Misc. Update

Added: Zone C-8: Note "7. MIL-W-13855 Applies"

Reason: To maintain Rifle TDP compatibility.

Removed: Zone A-3: In Application Block "XM177", "XM177E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

- EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Brolosk</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 1150F126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Buttstock		3. MFR. CODE 19204	4. DOCUMENT NUMBER F8448651(2Shts)	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) F	6. ECP NO. (NEW) G	HQREE1678; HQRE1671

8. DESCRIPTION OF REVISION

HQREE1678

Action: Removed color range from material note.

SHEET 1

Changed: Zone E-8: Note "1. Molding plastic per MIL-M-14, Type GPI-100, color black!" WAS " Molding plastic per MIL-M-14, type GPI-100. Color, black to be within the range of 36118 to 37038 of Fed-Std-595."

Zone B-8: Note "14.....*color: black." WAS ".....*color: black, to be within the range of 36118 to 37038 of Fed-Std-595."

Reason: To update drawings to make material specifications applicable for color shade.

HQREE1671

Action: Updated geometric tolerance

SHEET 2

Changed: Zone C-2: ".600 Total" WAS ".600

Reason: To comply with the preferred methods of ANSI Y14.5.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

- EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Brozak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 116 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Swivel		3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448652	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) C (NEW) D	6. ECP NO. HQREE1674	
		710915	721006	

8. DESCRIPTION OF REVISION

Action: Added Federal Specification to material callout

Changed: Zone D-4: Note 1

"Steel, Cmpsn 1018 thru 1020, Spec QQ-S-698, Forged per MIL-S-13048." WAS "Steel, AISI 1018 thru 1022, Forged per MIL-S-13048"

Reason: To standardize materials used for manufacture of component parts.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

- EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>R. Grosak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 117 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	MOR. NO. HQR20778
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	3. MFR. CODE 19204	4. DOCUMENT NUMBER C8448653	
	5. REVISION LETTER (CURRENT) A	(NEW) B	6. ECP NO. HQR20778

8. DESCRIPTION OF REVISION

HQR20778

Action: Added Federal Specification to Material callout.

Changed: Zone A-2: In Material Block: "Steel, Cmpsn 1018 or 1020, Spec QQ-S-698"
WAS
"Steel-AISI 1018 or 1020"

Reason: To standardize materials used in the manufacture of component parts.

HQR20778

Action: Updated geometric tolerances

Changed: Zone C-3: ".532 \oplus A .006 Total" WAS ".532 \equiv A .006 Total"

Zone B-3: ".250 Dia +.005" WAS ".250 Dia +.005"
 \oplus A .010 Total" \equiv A .010 Total"

Zone C-1: " \oplus B $\text{\textcircled{M}}$.001 Dia" WAS " \oplus B $\text{\textcircled{M}}$.001 Total"

Reason: To comply with the preferred methods of ANSI Y14.5

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

- EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 118 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201 SWERR- S-P	DATE	MFR. CODE	NOR. NO.
	730206	19204	HQR20778
2. TITLE OF DOCUMENT Screw	3. MFR. CODE	4. DOCUMENT NUMBER	
	19204	B8448654	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	5. REVISION LETTER (CURRENT)	6. ECP NO. (NEW)	8. ECP NO.
	B	C	HQREE1674; HQREE1671

8. DESCRIPTION OF REVISION

HQREE1674
Action: Added Federal Specification to material callout.

Changed: Zone C-5: Note 1.
"Steel, Wire or Rod, Cmpsn 1010 thru 1018, 10L18, 1117, Spec QQ-S-624" WAS "Steel AISI 1010 thru 1018, or Ledloy "B". Alternative Material: Steel AISI 1117"

Reason: To standardize materials used for manufacture of component parts.

HQREE1671
Action: Updated geometric tolerance

Changed: Zone C-4: ".49 Dia \oplus A .02 Dia" WAS ".49 Dia \odot A .02 TIR"

Reason: To comply with the preferred methods of ANSI Y14.5.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 119 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Butt Plate Assy		3. MFR. CODE 19204	4. DOCUMENT NUMBER F8448656	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) G	(NEW) H	6. ECP NO. HQREE1678; HQREE1671

8. DESCRIPTION OF REVISION

HQREE1678

Action: Removed color range from material note.

Changed: Zone E-8: Note 1.

"Plastic molding material, acetal, Type 1, Class 2, Spec I-P-392. Color, Black. Acetal pellets shall contain a surface lubricant."

WAS "Plastic molding material, acetal, Type 1, Class 2, Spec I-P-392. Color, Black, to be within the range of 36118 to 37038 of Fed-Std-595. Acetal pellets shall contain a surface lubricant."

Reason: To update drawings to make material specifications applicable for color shade.

HQREE1671

Action: Updated geometric tolerances.

Changed: Zone D-5: ".512 Dia $\text{\textcircled{A}}$.006 Dia"

WAS ".512 Dia $\text{\textcircled{A}}$.006 Tir "

Zone B-5: ".53 Dia $\text{\textcircled{H}}$.010 Dia"

WAS ".53 Dia $\text{\textcircled{H}}$.010 Tir"

Reason: To comply with the preferred methods of ANSI Y14.5.

Misc. Update

Changed: Zone D-8: Note 4.

".....Finish of other surfaces optional." WAS ".....Other surfaces optional."

Reason: To clarify wording of note.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.

REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.

CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 120 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Insert		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448657	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) B	(NEW) C	6. ECP NO. HQREE1674; HQREE1671; 1011E0001

8. DESCRIPTION OF REVISION
HQREE1674 and 1011E0001

Action: Added Federal Specification to material callout and increased range of material compositions.

Changed: In Note 1. "Steel, Cmpsn 1010 thru 1020, Spec QQ-S-698." WAS "Steel, AISI-C-1117. Alternate Mat'l. AISI 1018 to 1020"

Reason: To standardize materials and to eliminate cracking during forming operations.

HQREE1671

Action: Updated geometric tolerances.

Changed: Zone C-3: ".30 Dia $\text{\textcircled{A}}$.006 Dia" WAS ".30 Dia $\text{\textcircled{A}}$.006 TIR"

Zone C-3: ".94 ±.02 $\text{\textcircled{A}}$.020 Dia" WAS ".94 Dia ±.02 $\text{\textcircled{A}}$.020"

Zone B-3: ".065 +.005 $\text{\textcircled{A}}$.005 Total" WAS ".065 +.005 $\text{\textcircled{A}}$.005"

Reason: To comply with the preferred methods of ANSI Y14.5

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A. D. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 121 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Spring, Helical, Compression	3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448659	
	5. REVISION LETTER (CURRENT) A	6. REVISION LETTER (NEW) B	7. ECP NO. HQREE1675;
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	700825	721006	HQREE1674

8. DESCRIPTION OF REVISION

HQREE1675
Action: Redrawn with change to update spring data with the latest format "AMSWE Form 603B 29 July 69", which includes Military Specification MIL-S-13572.
Reason: To aid in the production of quality springs.

HQREE1674
Action: Added Military Specification to material callout and converted Mechanical Properties requirement.

Changed: Zone C-5: Note 1.
"Wire, Corrosion Resisting, 17-7PH, Cold Drawn, Spec MIL-W-46078. Paragraph 3.6.1 shall not apply." WAS "Cres Wire 17-7PH" In Material Block

Reason: Zone A-5: In Mechanical Properties Block: "15N 84.5 Min" WAS "C48 Min"
To standardize materials and to provide a hardness scale compatible with component size.

Misc. Update
Added: Zone A-3: In Material Block: "See Note 1"
Reason: To maintain drawing compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.L. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grodek</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 122 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Door		3. MFR. CODE 19204	4. DOCUMENT NUMBER D8448660	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) B	6. (NEW) C	8. ECP NO. HQREE1676; HQREE1671

8. DESCRIPTION OF REVISION

HQREE1676

Action: Clarified color range in final protective finish note.
 Changed: Zone C-8: In Note

"4.Finish shall be lusterless (flat), approx black, No. 37038, Table IX but not lighter than gray, No. 36076, Table VIII of Fed-Std-595, and seal." WAS ".....Dye black (color to be in the range of 36118 to 37038 of Fed-Std-595) and seal."

Reason: To clarify color shade to produce uniformity in weapon color.

HQREE1671

Action: Updated geometric tolerance

Changed: Zone D-5: ".308 Dia $\text{\textcircled{B}}$.003 Dia" WAS ".308 Dia $\text{\textcircled{B}}$.003 Tir"

Reason: To comply with the preferred methods of ANSI Y14.5.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. H. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 123 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Ring, Retaining, Cover Hinge Pin	3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448664	
	5. REVISION LETTER (CURRENT) - (NEW) A	6. ECP NO. HQREE1385	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	700427	721006	

8. DESCRIPTION OF REVISION

Misc. Update

Removed: Zone A-4: In Application Block: "D8448602 XML77", "D8448702 XML77E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

- EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Krolak</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 124 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Ring, Retaining, Hand Guard	3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448665	
	5. REVISION LETTER (CURRENT) - (NEW) A	6. ECP NO. HQREEL1385	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1	700427	721006	

8. DESCRIPTION OF REVISION

Misc. Update

Removed: Zone A-4: In Application Block: "B8448552 XM177", "B8448711 XM177E2"

Reason: To remove reference to obsoleted Submachine Guns (Ref ERR HQR 10777)

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D. A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Brolek</i>	DATE 730214

NOTICE OF REVISION (NOR)
 (SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 125 OF 126

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Spring, Extractor		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448753	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) - (NEW) A	6. ECP NO. HQREE1675	
		711104	721006	

8. DESCRIPTION OF REVISION

Action: Updated drawing.

Added: Zone C-5: Note "5. MIL-W-13855 Applies."

Reason: To maintain Rifle TDP compatibility.

9. THIS SECTION FOR GOVERNMENT USE ONLY

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9. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole</i>	DATE 730215
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Brolek</i>	DATE 730214

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 126 OF 126**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 730206	MFR. CODE 19204	NOR. NO. HQR20778
2. TITLE OF DOCUMENT Spring, Cover Latch		3. MFR. CODE 19204	4. DOCUMENT NUMBER B8448787	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16/M16A1		5. REVISION LETTER (CURRENT) - (NEW) A	6. ECP NO. HQREE1675	
8. DESCRIPTION OF REVISION		720915	721006	

Action: Added spring type designation.

Added: Zone D-3: "Spring, Helical, Compression"

Reason: To update spring data to latest format.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.

REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.

CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>A.A. Cole</i>	DATE 730215
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>D. Grolak</i>	DATE 730214

TECHNICAL DATA TRANSMITTAL ACTION

SUBJECT AND/OR IDENTIFICATION OF ITEM

ERR AND DIAZOS ON M16 RIFLE FAMILY

DATE

11 Jan. 1973 mm

TO: Commander
Aberdeen Proving Ground
ATTN: Materiel Testing Directorate
STEAP-MT-I, Mr. S. Doilney
Aberdeen Proving Ground, Md. 21005

FROM: Commander
US Army Weapons Command
ATTN: AMSWE-MSD
Rock Island, Illinois 61201

REMARKS AND/OR INCLOSURE LISTING

Inclosed are Diazos and ERR as follows:

HQR 20822

The proprietary note stamped on each document must be strictly adhered to and a certificate of destruction of all copies of documents received or reproduced must be forwarded to:

Commander
US Army Weapons Command
ATTN: AMSWE-MSD
Rock Island, Illinois 61201

Although Document No. B8448770 (Type 1A, Code 19204, 18 Dec 72), Revision Letter B, was received, Revision Letter A was not on file. Indication is that the obsolete document was forwarded in April 1972 under Engineering Release Record HQR-20661. Small Arms Branch does not have this release.

TYPED NAME AND POSITION TITLE

JOHN W. FROST
CHIEF, TECHNICAL DATA DIVISION

SIGNATURE

ACKNOWLEDGEMENT

PLEASE ACKNOWLEDGE RECEIPT BY RETURNING ONE SIGNED COPY OF THIS FORM TO:

Commanding General
US Army Weapons Command
ATTN: AMSWE-MSD
Rock Island, Illinois 61201

RECEIVED BY (TYPED NAME AND TITLE)

S. A. DOILNEY
Chief, Small Arms Branch

SIGNATURE

DATE

16 January 73

AE

ENGINEERING RELEASE RECORD

1. ERR NO. HQR-20822		2. DATE 721229			3. SHEET OF SHEETS 1 of 8					
4. BASELINE ESTABLISHED OR CHANGED										
<input type="checkbox"/> FUNCTIONAL		<input type="checkbox"/> ALLOCATED		<input checked="" type="checkbox"/> PRODUCT						
5. TYPE OF RELEASE <input type="checkbox"/> INITIAL <input checked="" type="checkbox"/> CHANGE				6. ECP NO. <u>HQRE-E-1745 C1</u> DATE APPROVED <u>721218</u>						
7. FUNCTIONAL ASSEMBLY F8448500				NOMENCLATURE Rifle Assembly M16A1						
8. SYSTEM/OR CONFIGURATION ITEM NOMENCLATURE Rifle, 5.56MM: M16A1 (F8448500); Launcher, Grenade, 40MM: M79 (B8426167)										
9. REMARKS/MISCELLANEOUS This ERR requires corresponding Quality Assurance and Packaging documentation.										
10. DATA RELEASED OR REVISED										
a CODE ID	DOCUMENT			REVISION		h RELEASE		i CHANGE		j OTHER NEXT HIGHER ASSY
	b TYPE	c NUMBER	d SH OF SHEETS	f LTR	g DATE	IR	HAR	CH	CAN	
19204	CA	A8427000 ?	1	M	721218				X	- - -
00	1A	F8448500 ✓	1	E	721218			X		- - -
00	PL	8448500 ✓	1	B	721218			X		- - -
00	LP	8448500 ✓	1	F	721218			X		- - -
00	LD	8448500 ✓	3	P	721218			X		- - -
00	SL	8448500 ✓	4	AG	721218			X		- - -
00	1A	B8448770-2	1	<u>B</u>	721218			X		F8448500-B8426167
11. SUBMITTED BY G.L. Dresselhaus <i>G.L. Dresselhaus</i>				DATE <i>RE</i> 730102		12. APPROVED BY <i>A.A. Cole</i> A.A. COLE, Chief Light Weapons and Equipment Division				

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 2 OF 8

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 721229	MFR. CODE 19204	NOR. NO. HQR20822
2. TITLE OF DOCUMENT COMBINATION OF ADOPTED ITEMS		3. MFR. CODE 19204	4. DOCUMENT NUMBER A8427000	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16A1		5. REVISION LETTER (CURRENT) L	6. ECP NO. M	HOREE1745 C1
8. DESCRIPTION OF REVISION RACKFILE		710209	721218	

ADDED: "SUPERSEDED REPLACED W/CHANGE BY DRAWING F8448500"

REASON: Drawing is no longer required, as the M16A1 Rifle has been redefined as an end item with one 30 Round Magazine Assembly and one Sling.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.

REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.

CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole, CMDA</i>	DATE 730102
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>Donald Holak ORE</i>	DATE 730102

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 3 OF 8

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201 SWERR-S-P	DATE 721229	MFR. CODE 19204	NOR. NO. HQB20822
2. TITLE OF DOCUMENT RIFLE ASSEMBLY M16A1	3. MFR. CODE 19204		4. DOCUMENT NUMBER F8448500
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16A1	5. REVISION LETTER (CURRENT) D		6. ECP NO. HQBEE1745 C1
8. DESCRIPTION OF REVISION	(NEW) E	720719 721218	

ACTION: Added one (1) 30 Round Magazine, one (1) Sling Assembly, and pictorial representations of both.

ADDED: (Zone B-4) "SLING, ADJUSTABLE, SMALL ARMS - 8448770"

CHANGED: (Zone B-5) "MAGAZINE ASSEMBLY, 30 ROUND - 8448670" was "MAGAZINE ASSEMBLY, 30 ROUND - C8448670, REF ONLY"

REASON: To comply with DA/AMC directions to redefine the M16A1 Rifle as an end item with one 30 Round Magazine and one Sling.

REMOVED: (Zone B-4) "MAGAZINE ASSEMBLY, 20-ROUND - C8448680, REF ONLY"

REASON: The M16A1 Rifle is issued with a 30 Round Magazine, therefore the 20 Round Magazine will be listed as Support Equipment on a separate drawing.

MISC UPDATE

ADDED: (Zone E-8) Note "1. MIL-R-45587 Applies."

REASON: To maintain drawing compatibility with the Rifle TDP.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

<input type="checkbox"/> EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.	<input checked="" type="checkbox"/> REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.	<input type="checkbox"/> CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:
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10. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE D.A. Cole, CMDA	DATE 730102
SWERR-S-P	REVISION COMPLETED (SIGNATURE) Donald Krolak RE	DATE 730102

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 4 OF 8

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE	MFR. CODE	NOR. NO.
SWERR-S-P	721229	19204	HQR20822
2. TITLE OF DOCUMENT EPL/Rifle Assembly - M16A1 List of Parts	3. MFR. CODE 19204	4. DOCUMENT NUMBER PL 8448500	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16A1	5. REVISION LETTER (CURRENT) A	6. ECP NO. HQR001745 C1	8. ECP NO. HQR001745 C1
8. DESCRIPTION OF REVISION ACTION: Updated List of Parts.			

ADDED:	"C8448670	8448670	MAGAZINE ASSEMBLY, 30 ROUND	1	X	"
	"B8448770	8448770	SLING, ADJUSTABLE, SMALL ARMS	1	X	"

REASON: To include the appropriate parts due to the M16A1 Rifle being redefined as an end item.

9. THIS SECTION FOR GOVERNMENT USE ONLY

A. CHECK ONE

<input type="checkbox"/> EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.	<input checked="" type="checkbox"/> REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.	<input type="checkbox"/> CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:
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B. AUTHORITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE	DATE
	<i>D.A. Cole, CMDA</i>	730102
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE)	DATE
	<i>Donald Wolcott RE</i>	730102

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. SHEET 5 OF 8

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 721229	MFR. CODE 19204	NOR. NO. HQR20822
2. TITLE OF DOCUMENT EPL/Rifle Assembly M16A1 Listing of Parts List		3. MFR. CODE 19204	4. DOCUMENT NUMBER LP 8448500	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16A1		5. REVISION LETTER (CURRENT) E	6. ECP NO. (NEW) F	HQREE1745 CI
8. DESCRIPTION OF REVISION		720915	721218	

ACTION: Updated Listing of Parts List

ADDED: "8448670" "8448770"

REASON: To include the appropriate parts due to the M16A1 rifle being redefined as an end item.

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B. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT

ERR-S-P	SIGNATURE AND TITLE <i>D.A. Cole, CMDA</i>	DATE 730102
10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>Ronald Holak RE</i>	DATE 730102

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 6 OF 8**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 721229	MFR. CODE 19204	NOR. NO. HQR20822
2. TITLE OF DOCUMENT EPL/Rifle Assembly - M16A1 List of Drawings		3. MFR. CODE 19204	4. DOCUMENT NUMBER LD 8448500 (3 Shs)	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16A1		5. REVISION LETTER (CURRENT) N	6. ECP NO. HOREE1745 C1	7. REVISION LETTER (NEW) P
		720915	721218	

8. DESCRIPTION OF REVISION

ACTION: Updated List of Drawings.

ADDED: "MS51940"; B8448746"; "B8448770"; C8448670"; "F8448671"; "F8448672"; "F8448673"; "F8448674"

REASON: To include the appropriate drawings for the 30 Round Magazine and the Sling Assemblies, which are designated as Basic Issue Items (BII).

9. THIS SECTION FOR GOVERNMENT USE ONLY

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ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>R.A. Cole, CMDA</i>	DATE 730102
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>Donald Krolak RE</i>	DATE 730107

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

This revision described below has been authorized for the document listed. **SHEET 7 OF 8**

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201	DATE 721229	MFR. CODE 19204	NOR. NO. HQR20822
2. TITLE OF DOCUMENT EPL/RIFLE ASSEMBLY - M16A1 LIST OF SPECIFICATIONS	3. MFR. CODE 19204	4. DOCUMENT NUMBER SL 8448500 (4 Shs)	
	5. REVISION LETTER (CURRENT) AF (NEW) AG	6. ECP NO. HQR20822	
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16A1	721214	721218	

8. DESCRIPTION OF REVISION

ACTION: UPDATED SPECIFICATION LIST

ADDED: (Item 4A) "ALUMINUM ALLOY 6061, PLATE AND SHEET" "QQ-A-250/11"

(Item 17A) "LUBRICANT, SOLID FILM: AIR-CURED (CORROSION-INHIBITING)" "MIL-L-46147"

(Item 23A) "PLASTIC MOLDING (AND EXTRUSION) MATERIAL, NYLON, GLASS FIBER REINFORCED" "L-P-395"

(Item 42A) "WEBBING, TEXTILE, BULKED NYLON" "MIL-W-43668"

(Item 42B) "WELDING, RESISTANCE, SPOT: WELDABLE ALUMINUM ALLOYS" "MIL-W-45210"

REASON: To include the appropriate specifications for the 30 Round Magazine and the Sling Assemblies, which are designated as Basic Issue Items (BII).

MISC UPDATE

ADDED: (Item 38A) "STEEL FORGINGS (FOR GENERAL PURPOSE APPLICATION)" "MIL-S-13048"

REASON: Specification was omitted at time of On-Stowage Buttstock incorporation into the M16 Series Rifle TDP.

REMOVED: (Item 2) "ALUMINUM ALLOY 3003, PLATE AND SHEET" "QQ-A-250/2"

(Item 28) "SLOTTED AND RECESSED HEAD MACHINE SCREWS AND MACHINE SCREW NUTS" "ANSI B18.6.3-1962"

REASON: Specifications should have been removed at time of TDP redraw to Government format.

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10. ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>Donald Krolak RE</i>	DATE 730102

NOTICE OF REVISION (NOR)
(SEE MIL-STD-480 FOR INSTRUCTIONS)

Apr. 20661
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This revision described below has been authorized for the document listed. SHEET 8 OF 8

1. ORIGINATOR NAME AND ADDRESS HQ, U. S. Army Weapons Command Rock Island, Illinois 61201		DATE 721229	MFR. CODE 19204	NOR. NO. HQR20822
2. TITLE OF DOCUMENT SLING, ADJUSTABLE, SMALL ARMS		3. MFR. CODE 19204		4. DOCUMENT NUMBER B8448770
7. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Rifle, 5.56MM: M16A1		5. REVISION LETTER (CURRENT) A (NEW) B		6. ECP NO. HQEE1745 C1
		720410	721218	

"A" - not on file

ACTION: Changed next assembly drawing number.
 CHANGED: (Zone A-4): In Application Block "F8448500" was "A8427000"
 REASON: To call out correct next assembly due to end item drawing number change.

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CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:

ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT SWERR-S-P	SIGNATURE AND TITLE <i>R.A. Cole, CMDA</i>	DATE 730102
ACTIVITY ACCOMPLISHING REVISION SWERR-S-P	REVISION COMPLETED (SIGNATURE) <i>Ronald Krosch RE</i>	DATE 730102