\*\*\*\*\*\*\* UNCLASSIFIED // FOR OFFICIAL USE ONLY (FOUO) \*\*\*\*\*\*\*\*\*\*

Subject: TACOM LCMC GPA 13-010, INCORRECT INSTALLATION OF THE M2A1 BARREL, NSN

1005-01-541-2478

DTG: 301753Z May 13

Precedence: PRIORITY

DAC: General

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Subject: Ground Precautionary Action (GPA) Message, TACOM Life Cycle Management

Command (TACOM LCMC) Control No. GPA 13-010, "Operational" Incorrect

Installation of the M2A1 barrel, NSN 1005-01-541-2478

 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

 X "ATTENTION" X

 X THIS MESSAGE CONTAINS INFORMATION THAT IS VITAL X

 X TO THE SAFETY OF ARMY PERSONNEL AND THE OPERATION X

 X OR MAINTENANCE OF ARMY EQUIPMENT. X

 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

REFERENCES:

a. TM 9-1005-347-10, Operator's Manual for Machine Gun, Caliber .50; M2A1,

W/Fixed Headspace and Timing.

b. TM 9-1005-347-23&P, Field Maintenance Manual (Including Repair Parts and

Special Tools List) for Machine Gun, Caliber .50: M2A1 W/Fixed Headspace and

Timing.

c. MA 12-036 Incorrect Installation of the M2A1 barrel

d. PS Magazine article 720-43

SYNOPSIS: M2A1 barrels continue to be damaged due to operators not following the

proper barrel installation procedures IAW TM 9-1005-347-10.

1. Receipt Acknowledgement:

This is a "Operational" Ground Precautionary Action Message.

Commanders/Directors of Army Commands (ACOM)/Army Service Component Commands

(ASCC)/Direct Reporting Units (DRU), Army National Guard (ARNG), US Army Reserve

(USAR) Command, US Navy (USN), US Air Force (USAF), US Marine Corps (USMC) and

other Service Commanders and Responsible Offices will retransmit this message to

all subordinate Commanders/Activities within 24 hours of receipt and will,

within 3 working days, acknowledge receipt for all ground safety and maintenance

messages using the Modification Management Information System (MMIS).

2. Compliance Reporting:

No compliance reporting required per this message

3. Message Library:

This message will be available on the Safety First Website located on the TACOM

Unique Logistics Support Applications (TULSA) portal within twenty-four hours of

transmission. Access to the Safety First Website requires CAC Card

authentication. You must first request access to the Safety First Website. The

website is https://tulsa.tacom.army.mil. For assistance, email the TULSA

Helpdesk at usarmy.detroit.tacom.mbx.ilsc-tulsa@mail.mil. The Safety First

Website also has the capability to email Safety and Maintenance messages

directly to your inbox. To subscribe to the mailing list, click on, E-Mail

Subscriptions, on the Navigation bar.

4. Problem:

TACOM continues to receive reports from the field regarding the improper

installation of the M2A1 barrel into the barrel extension. Failure to properly

install the M2A1 barrel into the barrel extension will cause the weapon to

malfunction and damage to the barrel by shearing the barrel locking pin off of

the barrel. Once the barrel locking pin is sheared off, the barrel is

non-repairable and the unit must buy a replacement barrel. A recent incident has

not only damaged the weapon but also injured a soldier.

5. User Actions:

When installing the barrel into the M2A1 receiver, follow the barrel

installation procedures in sequence IAW TM 9-1005-347-10, WP 0023 00-3 and WP

0023 00-4. Failure to adhere to the following steps, in sequence, will result in

weapon malfunction and damage to the barrel or the barrel locking pin.

 INSTALLATION

WARNING During barrel installation, the

charging handle must be pulled back to view the square on the barrel locking

spring lug through the 3/8 in. hole in the right side of the receiver. Ensure

that during barrel installation the square on the barrel extension locking

spring is NOT pulled back PAST the 3/8 in. hole on the right side of the

receiver or the barrel will not be properly engaged to the barrel extension.

 NOTE

M2A1 barrels are interchangeable with other M2A1 barrels without affecting the

headspace or timing of the weapon. M2 and M2A1 barrels are not interchangeable.

a. With cover assembly (1) all the way up, retract bolt assembly (2) far enough

for barrel locking spring lug (3) to center in barrel locking spring hole (4) on

right hand side of receiver(5).

b. Insert barrel assembly (6) into barrel support (7) until barrel locking pin

(8) engages alignment slot (9).

c. Push barrel assembly (6) rearward until locking pin (8) engages camming slot

(10). Grasping barrel carrying handle (11), rotate barrel assembly clockwise and

secure locking pin in retention slot (12).

d. Inspect the barrel (6) and lower barrel extension (13) to ensure end of

barrel protrudes beyond the barrel extension threads. 5. Release retracting

slide handle (14) and allow bolt to go forward, then close cover assembly (1).

e. Charge the weapon; visually ensure that the barrel moves back and forth

freely.

Step by step visual of the correctly installed M2A1 barrel

https://tulsa.tacom.army.mil/SAFETY/?t=gpm&f=M2A1BarrelInstallation.pptx

Visual of the incorrectly installed M2A1 barrel

https://tulsa.tacom.army.mil/SAFETY/?t=gpm&f=M2A1IncorrectBarrelnstal.pptx

6. Unit Commanders:

a. Commanders will ensure unit personnel are properly trained in the

installation of the M2A1 barrel described in TM 9-1005-347-10, WP 0023 00-3 and

WP 0023-4.

b. Contact your local TACOM LCMC Logistics Assistance Representative (LAR)

or your State Surface Maintenance Manager upon Receipt of this message for

assistance. For assistance in locating your TACOM LCMC LAR, see paragraph 9c.

c. Commanders/Directors of Army Commands (ACOM)/Army Service Component

Commands (ASCC)/Direct Reporting Units (DRU), Army National Guard (ARNG), US

Army Reserve (USAR) Command, US Navy (USN), US Air Force (USAF), US Marine Corps

(USMC) and other Service Commanders and Responsible Offices will ensure users

comply with TM 9-1005-347-10.

7. TACOM LCMC/PM actions:

TACOM initially released notification to properly install the M2A1 barrel in MA

12-036. TACOM also submitted a PS Magazine article in November 2012 addressing

this issue. Article can be found in PS 720-43. This is a follow-on safety

message to re-iterate and make known the importance of properly installing the

barrel into the M2A1 receiver.

8. Supply Status:

Machine Gun Barrel, NSN: 1005-01-541-2478

FEDLOG price: $1,741.00

1,683 M2A1 Barrels in the supply system

The unit is responsible for replacement of damaged barrels

9. POCs:

a. Equipment Specialist (M2/M2A1): Wayne Waroway TACOM, AMSTA-LCS-WIC, DSN

786-1339, e-mail: wayne.d.waroway.civ@mail.mil

b. Weapon System Manager (WSM) Amber Brasseur DSN 786-1338, e-mail:

amber.j.brasseur.civ@mail.mil

c. To find your TACOM LCMC LAR, contact the TACOM LCMC Senior Command

Representative (SCR) for your area.

(1) CONUS-East Region includes all Active Duty, National Guard and Reserve

Units in Wisconsin, Illinois, Michigan, Indiana, Ohio, Kentucky, Tennessee,

Mississippi, Alabama, Georgia, Florida, Louisiana, South Carolina, North

Carolina, Virginia, West Virginia, Maryland, Delaware, Pennsylvania, New Jersey,

Connecticut, Rhode Island, Massachusetts, New York, New Hampshire, Vermont,

Maine and FORSCOM. CONUS-East SCR can be reached at DSN 312-236-6921, Commercial

910-396-6921.

(2) CONUS-West Region includes all Active Duty, National Guard and Reserve

Units in North Dakota, South Dakota, Minnesota, Nebraska, Iowa, Missouri,

Kansas, Oklahoma, Arkansas, Texas, Colorado, Montana, and Wyoming. CONUS-West

SCR can be reached at DSN 312-737-0263, Commercial 254-287-0263.

(3) Pacific Region includes all Active Duty, National Guard and Reserve

Units in Washington, Oregon, Idaho, Nevada, Utah, Arizona, Alaska, Hawaii,

California, New Mexico and Guam. Pacific SCR can be reached at DSN 312-357-2991,

Commercial 253-967-2991.

(4) Europe Region includes all Active Duty, National Guard and Reserve Units

in Great Britain, Germany, Belgium, Luxemburg, Italy, Bosnia, Kosovo, and

Macedonia. Europe SCR can be reached at DSN 314-483-4090, Commercial

011-49-631-411-4090, in Germany, 0631-411-4090.

(5) Far East Region includes all Active Duty, National Guard and Reserve

Units in Korea, Okinawa, Kwajalein, and Japan. Far East SCR can be reached at

DSN 315-768-7943, commercial 011-82-53-470-7943.

(6) SWA - Kuwait includes all Active Duty, National Guard and Reserve Units

in Kuwait. SWA - Kuwait SCR at Camp Arifjan can be reached at DSN 318-430-4189.

(7) SWA OEF Region (Afghanistan) SWA, Region OEF includes all Active Duty,

National Guard and Reserve Units in Afghanistan. SWA Region 401st AFSB OEF SCR

can be reached at DSN 318-481-4814.

(8) For US Special Operations Command contact, Special Operations Forces

Support Activity (SOFSA), Mr. Mike Paul at DSN: 745-4302, Commercial

859-566-5632 or Ms. Dana Shimfessel at 859-566-5603.