

//UNCLASSIFIED//

301604Z May 14

FROM CDR USAJMC ROCK ISL IL//AMSJM-QAS//

740(A)

SUBJECT: AMMUNITION INFORMATION NOTICE AIN 049-14

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REMOVAL PROCEDURES

1. AIN 048-14 WAS TRANSMITTED ON 231513Z May 14.

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2. THIS IS THE INITIAL ISSUE OF THIS AIN.

3. DODIC: ALL ABRAMS AND STRYKER GUN AMMUNITION.

4. REQUEST DISSEMINATION OF THIS AIN TO ALL UNITS
DRAWING AMMUNITION FOR ABRAMS AND STRYKER VEHICLES.

5. THE ATTACHMENTS TO THIS AIN HAS BEEN APPROVED FOR USE
AS A SAFE, FIELD EXPEDIENT METHOD OF REMOVING CARTRIDGES
STUCK IN AMMUNITION CONTAINERS OR PACKAGED WITHOUT NYLON
PULL STRAPS.

6. TECHNICAL POC IS MR. WAKELAND K. KUAMOO, TCM-ABCT,
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FOR DISTRIBUTION IS MICHAEL O'GARA, AMSJM-QAS, DSN 793-7561,
(309) 782-7561, E-MAIL: MICHAEL.C.OGARA.CIV@MAIL.MIL.

7. THIS AIN EXPIRES 31 MAY 15
UNLESS OTHERWISE RESCINDED OR SUPERSEDED.

//SIGNED//

JEAN-MICHEL W. SERRA

CHIEF, AMMUNITION SURVEILLANCE DIVISION

REMOVING A 105MM OR 120MM ROUND FROM

AN AMMUNITION CONTAINER WITH NO NYLON PULL STRAP AVAILABLE

NOTE: Nylon pull strap not available implies the strap has been pushed into the container, broken, or no longer attached to the foam insert material preventing normal extraction of the round from the metal container system.

1. **TASK:** Given a live 105mm round used on the Stryker Mobile Gun System (MGS) or a live 120mm round used on the Abrams Tank (AT), inside of an ammunition container with the nylon pull strap not available. Safely remove this round without injury to personnel, damage to the round or equipment.
2. **PURPOSE:** Safe removal of the round from an ammunition container without the nylon pull strap available.
3. **END STATE:** Correct performance of this task will ensure a round can be safely removed from an ammunition container which does not have the nylon pull strap available. Upon completion of this task the round will be serviceable with no injury to personnel or damage to the equipment.
4. **PERSONNEL PERFORMING TASK:** Master Gunner or other qualified personnel
5. **REQUIRED MATERIAL TO PERFORM TASK:**
 - a. Crewman or appropriate gloves.
 - b. 7.62mm ammunition link from the residue point.
 - c. Pliers, Slip Joint, (NSN, 5120-00-223-7397)



- d. Vehicle Technical Manual (TM-10).
 - TM9-2350-264-10, Tank, Combat, Full-Track: 120mm Gun, M1A1
 - TM9-2350-388-10, Tank, Combat, Full-Track: 120mm Gun, M1A2 SEP
 - TM9-2355-321-10, Mobile Gun System, Stryker

6. **PROCEDURES:**

* **WARNING:** Failure to correctly follow these procedures could cause injury to personnel or damage to the equipment.

*** WARNING:** Ensure the single loop of the link fully grasps the rim of the round. Failure to do this will cause the single loop to slip off the rim of the round when pull pressure is applied, this could cause injury to personnel.

- a. Wear crewman type protective gloves.
- b. Ensure adequate space in front of the container opening for safe removal of the round.
- c. Secure the 7.62mm link and using a pair of slip joint pliers, open the single loop slightly. If slip joint pliers are not available, secure the single loop end to a stationary surface and push/pull on double loop using gloved hands to expand single loop end.



Single loop on a stationary surface, push or pull on double loop to expand single loop

- d. Place the expanded single loop of this link at the top of the stuck round and ensure the loop over the lip of case base assembly.

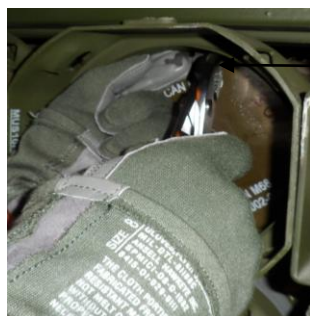


Single loop at top of case base



Single loop held in the up position to ensure it is fully extended over the top of the case base lip

- e. Using a gloved hand, hold the link in the up position and grasp with slip joint pliers. The up position ensure the loop remains over the lip of the case base assembly.



Single loop held, grasp with slip joint pliers

f. Removed gloved hand from the link. Using a steady motion, slowly pull the round straight out of the container until it can be grasped with both gloved hands.



* **WARNING:** Handling of the round must be IAW the Vehicle Operator's Manual. Failure to do so could result in injury to personnel or damage to the round.

g. Using gloved hands, grasp and remove the round from the can, ensure nylon pull strap is free of the container opening.



Nylon pull strap clear of container opening

- h. Grasp and hold strap, push round completely back into the container.
- i. Place packing spacers back into the can and properly replace cover assembly.
- j. Return 7.62mm link to the residue point.
- k. Task complete.

7. **DISPOSITION:** If the round cannot be removed using this method, IAW the Vehicle Operator's Manual, ensure the round is fully inside the container, replace inserts and cover assembly, identify or tag container "Stuck Round" for future disposition.

Below POC's can be contacted for further information:

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REMOVING A 120MM TANK ROUND

FROM A DAMAGED OR UNDAUNAGE AMMUNITION CONTAINER

NOTE: Damage, IAW this procedure refers to a minor dent in any portion of the ammunition container which prevents normal extraction of the round. Large dents, tears or perforation of a container is beyond this procedure. This type of a damaged container with a live round inside must be identified as; “Damaged Container/Stuck Round.” If no damage to the container is found but the live round is still not removable, the container is identified as a “Stuck Round.” An undamaged container refers to possible damage which could not be readily identified on container. This damage could be internal to the container.

1. **TASK:** Given a 120mm tank round inside of a damaged or undamaged ammunition container with the cartridge removal (nylon) strap available, safely remove this round without personal injury, damage to the round or equipment.
2. **PURPOSE:** Safe removal of the live round from a damaged or undamage ammunition container.
3. **END STATE:** Correct performance of this task will ensure a round can be safely removed from a damaged or undamaged ammunition container. Upon completion of this task the round will be serviceable with no injury to personnel or damage to the equipment.
4. **PERSONNEL PERFORMING TASK:** Master Gunner or qualified ammunition personnel
5. **REQUIRED MATERIAL TO PERFORM TASK:**
 - a. Crewman or appropriate gloves.
 - b. Medium adjustable wrench.
 - c. Tank Technical Manual (TM-10).
 - TM9-2350-264-10, Tank, Combat, Full-Tracked: 120mm Gun, M1A1
 - TM9-2350-388-10, Tank, Combat, Full-Tracked: 120mm Gun, M1A2 SEP
6. **PROCEDURES:**

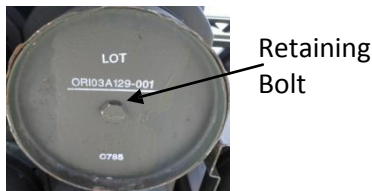
* **WARNING:** Failure to correctly follow these procedures could cause injury to personnel or damage to the equipment.

* **WARNING:** Operator should attempt no more than 2-3 firm pulls on the cartridge removal strap to remove the live round from the container. If round cannot be removed after these attempts, replace packing material and lid. Identify the container as a “Damaged Container/Stuck Round.” If no damage is found, identify the container as a “Stuck Round.”

- a. Wear crewman appropriate work gloves.
- b. Ensure adequate work space in front of the ammunition container opening for removal of the lid and spacing material as well as the round itself.
- c. If not already removed, remove lid and spacing materials from the front of the container, secure items for replacement back into the container.

* **WARNING:** Ensure adjustable wrench is securely on retaining bolt. Failure to secure adjustable wrench to the retaining bolt can allow it to slip off of the bolt when applying pressure to remove or replace the retaining bolt. This action can cause injury to personnel or damage to the retaining bolt.

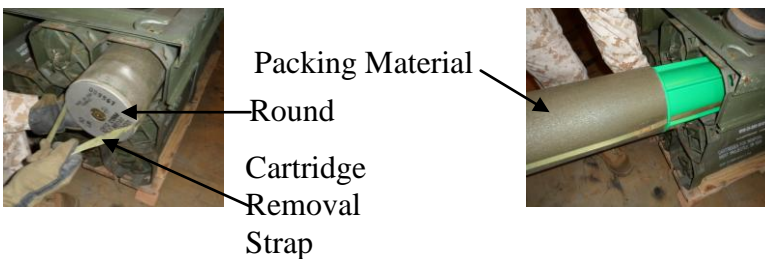
- d. Using the adjustable wrench, remove the retaining bolt from the rear of the container, secure bolt for replacement at the conclusion of this task.



* **WARNING:** Handling of the round must be IAW the Vehicle Operator’s Manual. Failure to do so could result in personnel injury or damage to the round.

* **NOTE:** If cartridge removal strap is not available, use “Removing a 105mm or 120mm Round from an Ammunition Container with no Cartridge removal strap Available” procedure. If this procedure does not remove round, place packing material back into the can and replace lid. Identify the container as “Damaged Container/Stuck Round or Stuck Round.”

- e. Return to the front of the open container, grasp cartridge removal strap, and pull the round and packing material from the container.



- f. Once the round has been removed, it must be inspected IAW the appropriate operator’s manual. A serviceable round must be placed in a functional container and made available for training. An unserviceable round must also be placed in a serviceable container and the container identified as a, “Damage Round.”

g. Replace packing material and spacers into the damage container, secure with retaining bolt. Place cover assembly on damage container and identify or mark container, "Damage Container."

7. **DISPOSITION:** Damaged containers should be replaced as soon as possible at the installation Ammunition Supply Point (ASP). If damaged container is discovered on a range, return it to the ASP for disposition.

NOTE: Below are examples of damaged/dented ammunition containers applicable to these procedures.



Below POC's can be contacted for further information:

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