

Waterfront Maintenance Note Number 9

**MK 38 25MM Chain Gun Overhaul Procedure**

- Ref:
- (a) SW360-AF-MMO-010, MK 38 Mod 1 25MM Gun System Operation, Description and Illustrated Parts Breakdown
  - (b) SW360-A2-MMO-020, MK 38 Mod 1 25MM Gun System Operation, Description and Illustrated Parts Breakdown
  - (c) MRC 7111/R22 R-2, Perform Pre-fire Test
  - (d) MRC 7111/R22 Q-3R, Post-fire Clean, Inspect, Lubricate, Test, and Record Number of Rounds Fired and Results of Inspections IAW SW360-AA-MMO-A10
  - (e) MRC 7111/038 Q-1R, Inspect , Clean , and Lubricate Automatic Cannon, Test Gun, Record Number of Rounds Fired and Results of Inspections IAW SW360-AA-MMO-A10
  - (f) MRC 7111/038 R-2 Cut Out Switch Verification and Prefire Test.
  - (g) Combat Systems Operational Sequencing System (CSOSS) Procedures, Ship Specific

1. Purpose: To establish procedures for scheduling and conducting overhauls of both the MK 38 Mod 1 25MM Chain Gun and MK 38 M242 Cannon.

2. Background: The MK 38 gun is a reliable weapon system and with proper sustained maintenance and weather protection can be maintained in a high state of readiness. It is paramount that ships maintain the MK 38 25MM Chain gun between overhauls. Overhaul of the entire MK 38 Mod 1 mounts will be strictly based on assessment from SERMC Code 294 personnel. Overhaul of the MK 38 Mod 2 mounts are strictly Depot Level and are controlled by NSWC, Indian Head, Picatinny Detachment.

3. Procedure:

MK38 Mod 1

a. Ship's Force shall:

1) Prior to removal:

- (a) Electrically isolate gun mounts IAW ref d.

- (b) Break loose Base Bolts.
- (c) Provide the Rounds Fired Count for each installed MK 38 Mod 1 gun mount.
- (d) Upon completion of overhaul, witness cycling of dummy rounds with SERMC Code 951 shop personnel.

b. SERMC shall:

- 1) Coordinate with Ship's Force removal and installation of MK 38 Mod 1 complete mount (when necessary).
- 2) Coordinate with SERMC Crane and Rigging for removal and installation of complete MK 38 Mod 1 mount (when necessary).

M242 Cannon Overhaul

c. Ship's Force shall:

- 1) Perform the following:
  - (a) Electrically isolate gun mounts IAW ref d.
  - (b) Remove and deliver M242 Cannons (Feeder, Receiver, and Barrel) to SERMC Code 951 25MM Gun shop. Ensuring completed Ship-to-Shop tags are filled out and are attached to each component.
  - (c) Provide SERMC Code 951 25MM Gun Shop with the Rounds Fired Count for each M242 delivered.
  - (d) Upon completion of overhaul, witness cycling of dummy rounds with SERMC Code 951 shop personnel. Upon completion of satisfactory cycling of dummy rounds, sign acceptance of M242 Cannon components and take receipt of said components.

4. Points of Contact: For further guidance or information, contact the Ordnance Repair Shop (code 950) at 904-270-5126 x3085.