Weapon Disassembly / Assembly

Task: Clear, disassemble, and assemble an M16A2 Rifle and M9 Pistol IAW the instructions listed below.

Conditions: Given an M16A2 w/ magazine and M9 w/ magazine

Standards: Properly clear, disassemble, and reassemble an M16A2 and an M9 in the fastest time possible.

1. Description of Event: Teams compete against each other in an attempt to be the fastest to properly clear, disassemble, and reassemble an M16A2 and an M9. Teams are given 15 points for properly clearing each weapon, 30 points for properly disassembling each weapon, 30 points for properly reassembling each weapon, and 15 points for the function check on each. The function check is not timed. Additionally, cadets may receive a maximum of 110 points for the amount of time they take to complete the task. The score of both competitors is averaged for the final score with a max score of 200pts.

2. Scoring: Time starts when the grader says “GO” and stops when both weapons have been cleared, completely disassembled, hands are off both weapons, and one team member announces “CLEAR.” Competitors will not be allowed to rearrange pieces of the M16A2 or M9 once they state they’re done with disassembly. The grader will then restart the time by announcing “GO” and stops when both weapons are properly assembled, hands are off the weapons, and one team member announces “DONE.”
Clearing Standards from TMs

M16

Clearing
1. Point weapon in safe direction. Place selector lever on SAFE. If weapon is not cocked, lever can’t be pointed toward safe.
2. Remove cartridge magazine by depressing magazine catch button and pulling cartridge magazine down.
3. To lock bolt open, pull charging handle rearward. Press bottom of bolt catch and allow bolt to move forward until it engages bolt catch. Return charging handle to full forward position. Check receiver and chamber to ensure these areas contain no ammo.
4. With selector level pointing to SAFE, allow bolt to go forward by pressing upper portion of bolt catch.

Disassembly
The M16 will be disassembled into the following component parts:
1. Upper Receiver and Barrel Assembly – Hand Guards will remain on the weapon
2. Lower Receiver and Buttstock Assembly
3. Buffer
4. Buffer Spring
5. Charging Handle
6. Bolt Carrier
7. Firing Pin Retaining Pin
8. Firing Pin
9. Bolt Cam Pin
10. Bolt Assembly

Reassemble
Component parts cannot be re-positioned prior to reassembly.

Function Check
1. Check chamber. Always check chamber to ensure it is empty and no ammunition is in position to be chambered.
2. Perform function check:
   a. Place selector lever on SAFE: Pull and release charging handle. Pull trigger. Hammer should not fall.
   b. SEMI: Place selector lever on SEMI. Pull trigger. Hammer should fall. Hold trigger to the rear and charge the weapon. Release the trigger with a slow, smooth motion, until the trigger is fully forward (an audible click should be heard). Pull trigger. Hammer should fall.
   c. BURST: (M16A2, M16A4, M4 ONLY) Place selector lever on BURST. Charge weapon and squeeze trigger. Hammer should fall. Hold trigger to the rear, pull the charging handle to the rear and release 3 times. Release trigger. Squeeze trigger. Hammer should fall.
M9

Clearing
1. Point weapon in safe direction. Place selector lever on SAFE.
2. Remove magazine by depressing magazine catch assembly and removing magazine.
3. To lock slide to the rear, pull slide assembly rearward, press upward on the slide stop. The slide stop will prevent the slide assembly moving forward. Check the chamber to ensure this area contains no ammo.
4. Depress the slide stop to allow slide assembly to move to forward position.

Disassembly
The M9 will be disassembled into the following component parts:
1. Slide Assembly
2. Barrel Assembly
3. Recoil Spring
4. Recoil Spring Guide
5. Receiver Assembly

Reassembly
Component parts cannot be re-positioned prior to reassembly.
NOTE: Slide stop should be placed in the rearward position, by the competitor, following reassembly.

Function Check
1. Depress the slide stop if not already in the forward position. Insert an empty magazine into the pistol, and ensure that the magazine catch locks the magazine in place.
2. Retract the slide and release it. The magazine follower should push up on the slide stop, locking the slide to the rear.
3. Depress the magazine release button allowing the magazine to fall free.
4. Ensure the decocking/safety lever is in the safe (down) position. Depress the slide stop allowing the slide to return fully forward. At the same time, the hammer should fall to the full forward position.
5. Squeeze and release trigger. Firing pin block should move up and down, hammer should not move.
6. Place decocking/safety lever in fire (up) position.
7. Squeeze trigger to check double action. Hammer should cock and fall.
8. Squeeze trigger again and hold to rear. Manually retract and release slide while holding trigger to the rear. Release trigger, click should be heard, hammer should not fall.
9. Squeeze trigger to check single action. Hammer should fall.
ANNEX E (Weapons Assembly/Disassembly) to OPORD 12-01 (13th Annual “Best Ranger” Competition)

M16/M9 WEAPONS DISASSEMBLY/ASSEMBLY TIME MATRIX

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