

W7:

Javelin

Based on:

071-060-0004-Prepare a M98-series Javelin for Firing

071-060-0006-React to Javelin that Fails to Fire

Task: Prepare a M98 Javelin for firing. Perform immediate action procedures for a misfire.

Condition: You are a gunner who has been directed to engage enemy targets with your Javelin. While engaging targets, you experience a misfire.

Standard: Prepare to fire in three minutes and thirty seconds. Perform immediate action procedures for a misfire in two minutes. All tasks will be performed in sequence.

Station Requirements: A M98 training Javelin with appropriate tools and accessories. A covered position for the Candidate to prepare the CLU, a firing position for the Candidate to move to, and a target.

Prepare to Fire:

Candidate will start from a standing position next to the Javelin on the ground behind cover.

1. Prepare the CLU. Ensure power switch is OFF. Install the CLU battery.
2. Place the round on the ground with the flat sides of the end caps down and latch assembly facing up.
3. Kneel on the left side of the round, at the forward end, facing forward.
4. Remove the protective cover from the CLU interface connector. Pull on tab of lanyard to snug protective cover against side of the round. Position protective cover so that no interference will exist when round is connected. **Candidate verbalizes if not quipped.**
5. Open day sight and NVS lens covers on CLU.
6. Place the CLU round interface bracket in round hooks.
7. Engage CLU and round interface connectors by sliding forward and press down on CLU.
8. Ensure that the round and CLU are connected. Rock the CLU from side-to-side. Pick up the Javelin.
9. Remove the forward end cap. Remove the locking pin by pulling straight up on the wire rope. Turn the forward end cap latch release counterclockwise. Place the forward end cap on the ground.
10. Inspect the area around seeker dome for dirt or debris.
11. Tip the end of the round down to allow debris to fall out, if required.
12. Position the open end of the round on the forward end cap.
13. Power up the CLU. Set power switch to the NIGHT position. Wait approximately 2.5 to 3.5 minutes for NVS to cool down.
14. Select a firing position that best meets your situation.
15. Verify the CLU indicators are lit. **Candidate verbalizes. Grader states, "CLU indicators are flashing."**
16. Indicators are flashing perform battery warm-up procedures as follows: Turn the power switch to the DAY position for 30 to 60 seconds. **Grader will state, "30 seconds has elapsed."** Turn the power switch to the OFF position, then back to the NIGHT position.
17. Adjust diopter adjust ring for best clarity of CLU display. **Candidate verbalizes: "The Javelin is prepared to engage."**
18. Squeeze seeker trigger and wait four seconds (**Candidate will count**) for seeker to initialize before locking tracking gates and attempting to fire. **Candidate visually checks and states, "Back blast area clear."**
 - a. Acquire the target. **Candidate verbalizes this step.**
 - b. Lock-on the target. **Candidate verbalizes this step.**
 - c. Squeeze the fire trigger. **Grader will state "misfire."**

React to Javelin that Fails to Fire:

Candidate will start from the last position in the previous task.

1. Release seeker and fire triggers and attempt to engage again per step 18 above. **Grader will state, "Misfire."**
2. Keep Javelin pointed in direction of target. Keep back blast area clear.
3. Attempt to engage the target again. Release seeker and fire triggers and attempt to engage again per step 18 above. **Grader will state, "Misfire."**
4. Turn OFF the CLU. Note: Prior to turning power switch to OFF leave power switch in DAY position for at

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least one second to allow flipper mirror to move into day position.

5. Set the Javelin on ground, pointed in direction of enemy target, with the CLU handgrips facing up. Keep back blast area clear.
6. Press the latch release and disconnect the CLU from the round. Check for dirt and debris.
7. Reconnect the CLU to the same round.
8. Turn ON the CLU.
9. Attempt to engage the target per step 18 above. **Grader will state, "Misfire."**
10. Replace the battery coolant unit (BCU) **Candidate verbalizes this step.**
11. Attempt to reengage target per step 18 above. **Grader will state, "Misfire."**
12. Turn OFF the CLU. Note: Prior to turning power switch to OFF leave power switch in DAY position for at least one second to allow flipper mirror to move into day position.
13. Place the Javelin on the ground, pointing toward the enemy.
14. Disconnect the CLU from the round.
15. Move 25 meters away or move the round 25 meters from the firing position. **Candidate verbalizes this step.**
16. Obtain a replacement round. **Candidate verbalizes this step.**