

APPENDIX E

JUMPMaster PERSONNEL INSPECTION

Before each MFF parachute operation, the jumpmaster conducts a systematic inspection of each parachutist's parachute and combat equipment for proper wear, fit, and attachment. All equipment being air dropped will receive a JMPI. The JMPI can proceed at the rate of one parachutist every one and a half minutes (depending upon equipment configuration); however, the jumpmaster must never sacrifice safety for speed. Figures E-1 through E-3 contain data on the JMPI sequence.

WARNING

Improper or incomplete jumpmaster personnel inspections may result in death, serious injury, or equipment loss and damage.

OXYGEN

- Check the mask fit to the parachutist's face by seating both bayonet connectors. If correct, unfasten the fitting on the parachutist's left side so the mask hangs away from the reserve rip cord grip. Inspect the internal components for cleanliness and proper assembly. Inspect the mask body for cracks. Ensure all excess straps are stowed. Inspect the hose from the mask to the AIROX VIII for kinks, holes, and dry rot.
- Disconnect the hose from the AIROX VIII. Inspect the valve on the end of the hose disconnect for spring tension and ensure the rubber O-ring is present.
- Lift the cover of the AIROX VIII. Ensure the screen is present and free of debris. Reconnect the hose to the AIROX VIII. Ensure the AIROX VIII is locked into the oxygen block fitting. Inspect the valve on the AIROX VIII for spring tension and ensure the rubber O-ring is present. Ensure the screen inside the valve is present and free of debris. Ensure the hose fitting is tight and the spot paint dot is not broken.
- Inspect the entire length of the medium pressure oxygen hose. Ensure the hose is routed in accordance with Figure 7-7 and is not kinked. Ensure the elbow fitting is secure.

Figure E-1. Sample recommended inspection sequences for equipment checklist.

OXYGEN

- Ensure the ON/OFF valve can be locked in the ON position. Return the valve to the OFF position. Ensure the pressure gauge needle is to the right of the number "1" on 1,800.
- Ensure the waistband extension is routed through the keeper on the bailout system detachable pouch and the hook and pile tabs are secure.

WEAPONS

- Ensure the sling is routed over the left shoulder, under the main lift web, and to the outside of the chest strap.
- Ensure the weapon is rotated with the sling to the outside of the buttstock.
- Ensure the weapon tie-down is attached to the sling and to the weapon tie-down loop on the harness with a bowknot.
- Ensure the weapon is between the waistband extension and the parachutist.

COMBAT PACK

- Ensure the modified H-harness or sling and attaching straps are properly assembled.
- Ensure the attaching straps are routed to the outside of all other equipment and the quick-release snap hooks are attached to the equipment rings.
- Ensure the lowering line is attached to the combat pack, securely stowed, and the quick-ejector snap is locked onto the right V-ring.
- Ensure the combat pack shoulder straps are snug around the parachutist's legs.

LIGHTING DEVICES

- Ensure lighting devices used for night operations are securely attached and do not interfere with the manual activation of the main parachute or the performance of emergency procedures. Ensure backup lighting device (chemlite) is available for use with altimeter should the MA2-30's lighting system fail.

HAHO EQUIPMENT

- Ensure compasses and radios are securely attached and do not interfere with the manual activation of the main parachute or the performance of emergency procedures.

FLOTATION DEVICES (B-7 Life Preserver or UDT Life Vest)

- Check that CO₂ cartridges are in place and not expended.
- Ensure the pull cord is serviceable.
- Ensure the parachute harness chest strap is under the life preserver unit.
- Check flotation devices within 1 kilometer of water. Make sure the device does not interfere with the manual activation of the main parachute or the performance of emergency procedures.

Figure E-1. Sample recommended inspection sequences for equipment checklist (continued).

- Face the parachutist and ensure the harness fits properly and the canopy release assemblies are even and rest in the pockets of the parachutist's shoulders. If necessary, adjust the harness before continuing the inspection.
- Inspect the helmet for serviceability. Ensure the goggles are clear, not cracked, and do not have scratches that will obscure the parachutist's vision. Ensure the goggle straps are worn under the helmet or are secured to the helmet. Ensure the chin strap is secured.
- Ensure the right riser is not twisted and the three-ring canopy release is properly assembled. Turn the small and medium rings one-quarter turn to ensure they move freely. Ensure the nylon loop, the cutaway cable housing guide, and the cutaway cable are properly assembled and the cutaway cable excess is stowed in the channel on the riser. The nylon loop must not be twisted or frayed.
- Ensure the main rip cord handle is properly seated in the stow pocket, the two cable swages are present, the cable is not frayed, and the cable housing is tacked to the protective sleeve. Ensure the cutaway handle is properly mated with the hook and pile tape. Ensure the cutaway cables are routed into the cable housings and the cable housings are tacked.
- Ensure the chest strap is not twisted and is properly routed through the friction adapter and the excess strap is stowed.
- Inspect the reserve rip cord handle, swage, stow pocket, and cable housing tacking in the same manner as the main rip cord. Ensure that the reserve ripcord cable is routed free and clear of the reserve static line and cutaway cable housing.
- Inspect the left riser and three-ring canopy release in the same manner as the right side.
- Ensure the snap on the reserve static-line quick-release lanyard is snapped and the loop end of the reserve static line is snapped in the brass marine fitting. Ensure the reserve static line is routed free and clear of the cutaway cable housing.
- Inspect the left main lift web and ensure excess webbing is stowed and is not twisted. Repeat for the right main lift web.
- Inspect the waistband from the parachutist's right side to the left side and ensure it is properly routed through the friction adapter. If the kit bag is rear mounted, ensure the waistband is routed through both handles.
- Inspect the right leg strap for twists and ensure the snap hook gate has spring tension and is closed. Repeat for the left leg strap. If the kit bag is worn front mounted, ensure one leg strap is routed through each kit bag handle.
- Inspect the wrist-mounted altimeter for the proper setting.
- Open the reserve protective flap. Ensure the reserve rip cord housing is tacked and the reserve static-line ring is around the reserve rip cord cable in front of the fixed guide ring. Ensure the reserve rip cord cable moves freely in the cable housing.
- Ensure the reserve rip cord cable is routed to the left of the top grommet and the top rip cord pin is at a 45-degree angle to the cable. Ensure both rip cord pins are fully seated.

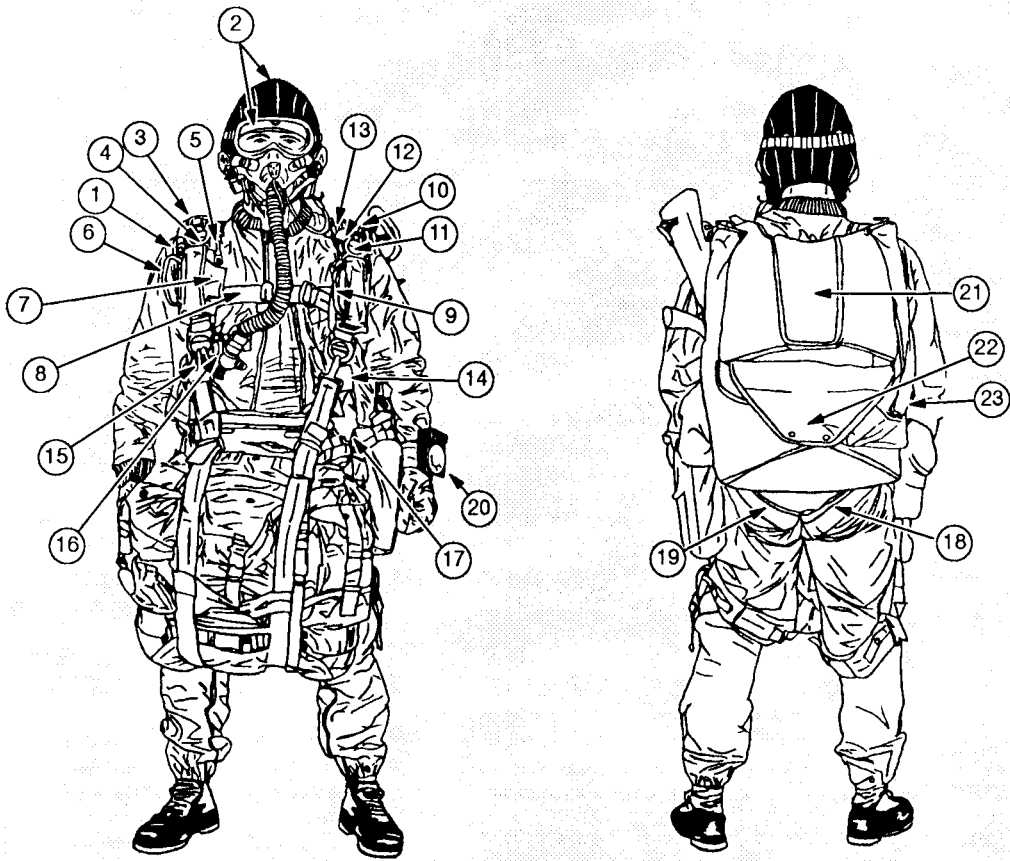
WARNING

Do not push the raised edge of the rip cord pins on top of the grommets. The pins must be fully seated with no slack in the rip cord cable between the top and bottom pins.

- Ensure the main container flaps are closed in the proper order (bottom, left, right, top). Open the main rip cord protective flap. Ensure the main rip cord pin is fully seated. Ensure the closing loop is coreless type III nylon and is not frayed. Inspect the main rip cord cable for frays and ensure the cable housing is tacked.
- Inspect the ARR hardware. Ensure the withdrawal hook is routed around the main rip cord pin between the closing loop and the rip cord cable. Ensure the knurled nut is tightened with at least three threads showing. Inspect the ARR power cable for frays and ensure it does not cross the main rip cord cable. Ensure the rubber washer is present and the ARR power cable housing locking key is attached to the stiffener plate.
- Inspect the ARR power cable housing from the stiffener plate to the ARR stow pocket. Ensure the knurled locking nut is tight. Ensure the arming pin is present and locked with spring tension. Inspect the straps and snaps that secure the ARR in the stow pocket. Ensure the white lines on the ARR reset indicator are aligned. Open the flap of the ARR stow pocket and inspect the millibar setting.

Figure E-2. Sample recommended jumpmaster personnel inspection sequence checklist.

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|-------------------------|------------------------|---|
| ① Proper harness fit | ⑨ Reserve rip cord | ⑰ Waistband (runs behind rucksack) |
| ② Helmet and goggles | ⑩ Left riser | ⑱ Right leg strap |
| ③ Right riser | ⑪ Left 3-ring assembly | ⑲ Left leg strap |
| ④ Right 3-ring assembly | ⑫ Left cutaway cable | ⑳ Altimeter |
| ⑤ Right cutaway cable | ⑬ Reserve static line | ㉑ Reserve pins and static line (under flap) |
| ⑥ Main rip cord | ⑭ Left main lift web | ㉒ Main pin and withdrawal hook (under flap) |
| ⑦ Cutaway handle | ⑮ Right main lift web | ㉓ ARR (under right arm) |
| ⑧ Chest strap | ⑯ Oxygen block | |



NOTE: Attachment of any equipment constitutes an equipment jumper. The jumpmaster inspects all equipment during the inspection of the jumper's parachute system.

Figure E-3. Jumpmaster personnel inspection (JMPI).

OXYGEN

- 23 Proper mask fit
- 24 Mask body and valves
- 25 Delivery tube
- 26 Quick disconnect and O-ring
- 27 AIROX VIII valves and O-ring
- 28 Delivery hose routing and connections
- 29 Oxygen pressure gauge (not shown)
- 30 Bailout system pouch

WEAPON

- 31 Sling routing
- 32 Tie-down
- 33 Turned properly
- 34 Under waistband

COMBAT PACK

- 35 Attachment straps, hardware, and routing
- 36 Lowering line routing and attachment
- 37 Shoulder straps

NIGHT OPERATIONS

- 38 Lightsticks (on right rear riser, right ankle, and altimeter)

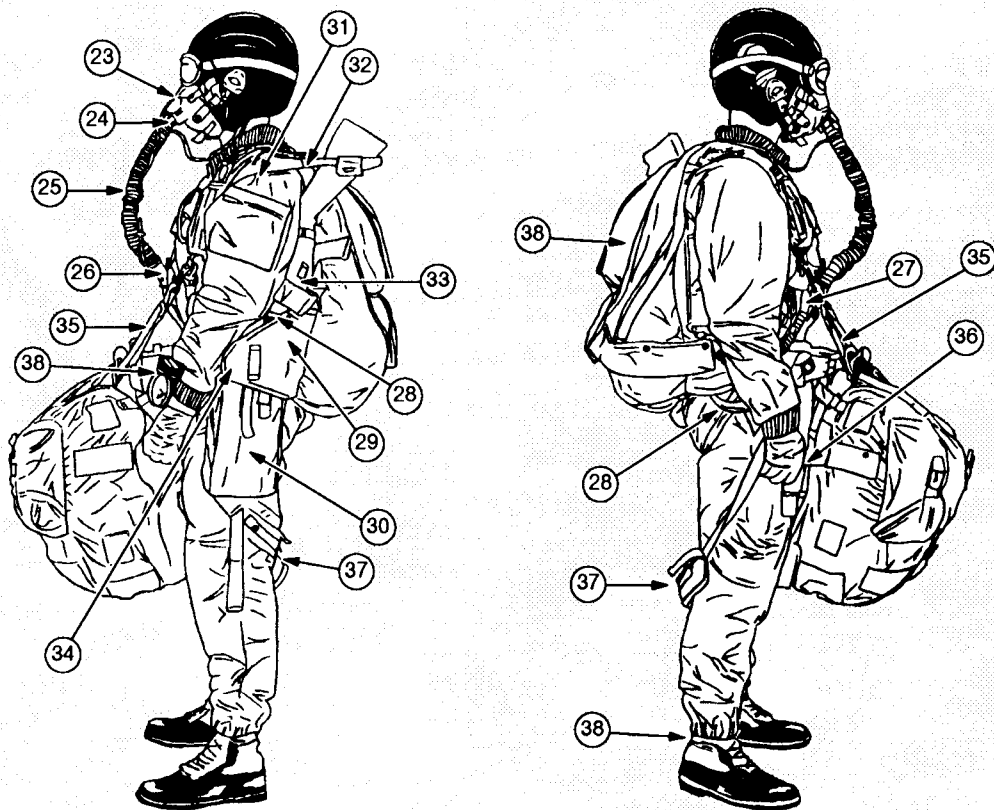
HAHO

Compass (not shown)

Radio (not shown)

OPERATIONS IN VICINITY OF WATER HAZARDS

Flotation devices (B-7 life preserver, UDT life vest) (not shown)



NOTE: Attachment of any equipment constitutes an equipment jumper. The jumpmaster inspects all equipment during the inspection of the jumper's parachute system.

Figure E-3. Jumpmaster personnel inspection (JMPI) (continued).