

**BY ORDER OF THE
SECRETARY OF THE AIR FORCE**

**AFI 11-2C-141V3 CL-8
1 JUNE 2000**



Flying Operations

C-141 SOLL II LOADMASTER ABBREVIATED CHECKLISTS

This checklist establishes procedures for the operation of C-141 aircraft employed by Mobility Air Forces (MAF) to accomplish their worldwide missions.

This checklist complements AFI 11-2C-141V3, C-141 Operations Procedures, and is printed on standard 8 1/2" x 11" bond paper then trimmed to a unique size 4 1/2" x 6 1/2" that will fit the standard plastic C-141 aircrew checklist binders.

Units may request copies of this checklist printed on a water proof-based media (in the size outlined) from the OPR. This product reduces weight and eliminates the need for plastic inserts. Limit water proof copies to aircrew only for use in-flight and training purposes.

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Supersedes AMCR 55-141, Chap 27, Annex B, 23 July 1992
OPR: HQ AMC/DOV (CMSgt Cummings)
Certified by: HQ USAF/XOO (Maj Gen Michael S. Kudlacz)
Number of Printed Pages: 14 - Distribution: F

**LOADMASTER SOLL II AIRCRAFT PREPARATION
CHECKLIST**

Accomplish the following items prior to departing home or temporary duty (TDY) station or as mission dictates.

1. Ensure aircraft configuration is as directed in MOD
2. Ensure aircraft and aircrew kits are aboard and inventoried.
3. Push up, remove, stow rafts in aft silos (as required).
4. Ensure overhead area is free of hanging straps and ropes (as required).
5. Remove and stow cargo door's manual override panel cover.
6. Check condition of floor anti-skid; replace as required.
7. Turn lighting switches off and open circuit breakers for the following (night missions only):
 - a. Cargo Compartment White Overhead Lights (CFJB and station 420)
 - b. Ramp Loading Lights (CFJB)
 - c. Main Wheel-Well Lights (CFJB)
 - d. Vertical Stab Light (CFJB)
 - e. Troop Jump Lights (CFJB)
8. Tape the Following Items:
 - a. Forward Interphone Panel Indicator Lights (as required)
 - b. Emergency Exit Lights. (as required) (Do not dearm emerg. exit lights)
9. Cover view ports – As Required
10. ADS-Link PIP Pins - Lubricated, Attached
11. Cargo Winch Extended Control Pendant - Installed
12. Install tie-down rings in rows A and G. (as required)

**LOADMASTER SOLL II EMERGENCY EQUIPMENT
AND EGRESS BRIEFING**

1. First Aid Kits - 6 (Locations)
2. Life Rafts - 6 (Locations)
3. Life Vests - 120 (As Required)
4. Crash Axe - 1 (Location)
5. Passenger Oxygen Mask (Locations and Use)
6. Bail-Out Alarm (Demonstration)
7. Chopping Areas - 3 (Locations)
8. Emergency Exit Lights - 11 (Locations)
9. Overhead Escape Hatches (Locations)
10. Crew Entrance Door (Location and Use)
11. Side Escape Hatches (Locations and Use)
12. Troop Doors (Locations and Use)
13. Emergency Destruction of Aircraft Procedures

SOLL II COMBAT ENTRY CHECKLIST

1. "Crew SOLL II Combat Entry Checklist" (P);
"ACKNOWLEDGED" (LM, E)
2. Internal and External Lights - "SET" (CP, P, RN, E, LM)
3. Survival Equipment - "AS REQUIRED"
(CP, P, JS, RN, MN, E, S, LM)
4. Loose Items - "SECURE" (S, LM)
5. Pressure Door - "CLEAR TO OPEN" (P);
"OPEN" (S/LM)
6. EMI Filter Pins - "REMOVED" (S/LM)
"ACKNOWLEDGED" (P)
7. Observers - "AS REQUIRED" (P, S, LM)

SOLL II APPROACH CHECKLIST

1. Cabin Report - "SECURED" (S/LM)

LOADMASTER SOLL II OFFLOAD CHECKLIST

1. "1 HOUR WARNING" (RN);
"ACKNOWLEDGED" (LM/S)
 - a. Notify Troops - AS REQUIRED
 - b. Aft Tiedown Strap Stowage Box Doors - SECURED
 - c. Load Restraint - CHECKED
 - d. Loose Equipment - SECURED
 - e. Red Lights / EL Lighting (SOFI) - AS REQUIRED
 - f. Survival Vest and Weapons - AS REQUIRED
2. "30 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (LM/S)
 - a. Notify Troops - AS REQUIRED
 - b. Chemical Lights – POSITIONED
 - c. Aircraft Pressurization - DEPRESSURIZED
 - d. Auxillary Latches, Cam Jacks, Manual Safety Pins -
REMOVED, STOWED
 - e. Pressure Door – OPEN
 - f. Loading Ramps - INSTALLED AND SECURED
3. "20 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (LM/S)
 - a. Notify Troops - AS REQUIRED
 - b. NVGs - Checked (As Required)
4. "10 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (LM/S)
 - a. Notify Troops - AS REQUIRED

- b. Personnel - RESTRAINED
- 5. "6 MINUTE WARNING" (RN); "ACKNOWLEDGED" (S)
 - a. Notify Troops - AS REQUIRED
 - b. NVGs - ON (As Required)
 - c. Red Lights / EL Lighting (SOFI) - AS REQUIRED
 - d. Pilots PA and Interphone Switch – PA
- 6. "1 MINUTE WARNING" (RN); "ACKNOWLEDGED" (S)
 - a. Notify Troops - PREPARE TO LAND
- 7. Taxi-In
 - a. Ramp and Petal Doors – OPEN
 - b. Cargo Ramp – RAISED
 - c. ADS Links – DISCONNECTED
 - d. Loading Ramps Tiedown Straps - REMOVED, STOWED
 - e. Offload Crew – POSITIONED
- 8. Offload
 - a. Cargo Ramp – POSITIONED
 - b. Loading Ramps – DEPLOYED
 - c. Cargo/Troops - Offloaded
 - d. Cargo Doors - CLOSED (As Required)
 - e. Red Lights / EL Lights - AS REQUIRED
 - f. Ready for Takeoff - NOTIFY SCANNER

**SOLL II DEFENSIVE SYSTEMS AFTER LANDING
CHECK**

1. EMI Filter Pins (All DS) - "INSTALLED" (S/LM)
"ACKNOWLEDGED" (P)

NOTE: Install pins after offload. Delay offloads of FAM cart until pins are in.

SOLL II STOP AND GO CHECKLIST

1. EMI Filter Pins (All DS) - "REMOVED" (S/LM)
"ACKNOWLEDGED" (P)

SOLL II ENGINE SHUTDOWN CHECKLIST

1. EMI Filter Pins (All DS) - "INSTALLED" (S/LM)
"ACKNOWLEDGED" (P)

NOTE: Install pins after offload. Delay offloads of FAM cart until pins are in.

SOLL II START AND GO CHECKLIST

1. EMI Filter Pins (All DS) - "REMOVED" (S/LM)
"ACKNOWLEDGED" (P)

LOADMASTER SOLL II ONLOAD CHECKLIST

1. "1 HOUR WARNING" (RN); "ACKNOWLEDGED" (LM/S)
 - a. Notify Troops - AS REQUIRED
 - b. Aft Tiedown Strap Stowage Box Doors – SECURED
 - c. Tiedown Equipment – POSITIONED
 - d. Loading Ramps - SECURED
 - e. Red Lights / EL Lighting (SOFI) - AS REQUIRED
 - f. Survival Vests/Weapons - AS REQUIRED

2. "30 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (LM/S)
 - a. Notify Troops - AS REQUIRED
 - b. Chemical Lights – POSITIONED
 - c. Aircraft Pressurization – DEPRESSURIZED
 - d. Auxillary Latches, Cam Jacks, Manual Safety Pins -
REMOVED, STOWED
 - e. Pressure Door – OPEN
 - f. Loading Ramps - INSTALLED, SECURED
3. "20 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (LM/S)
 - a. Notify Troops - AS REQUIRED
 - b. NVGs - Checked (As Required)
4. "10 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (LM/S)
 - a. Notify Troops - AS REQUIRED
5. "6 MINUTE WARNING" (RN); "ACKNOWLEDGED" (S)
 - a. Notify Troops - AS REQUIRED
 - b. NVGs - ON (As Required)
 - c. Red Lights / EL Lighting (SOFI) - AS REQUIRED
 - d. Pilots PA and Interphone Switch – PA
6. "1 MINUTE WARNING" (RN); "ACKNOWLEDGED" (S)
 - a. Notify Troops - PREPARE TO LAND

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7. Taxi-In

- a. Ramp and Petal Doors – OPEN
- b. Cargo Ramp – RAISED
- c. ADS Links - DISCONNECTED
- d. Loading Ramps Tiedown Straps - REMOVED,
STOWED

8. Onload

- a. Cargo Ramp - POSITIONED
- b. Loading Ramps - DEPLOYED
- c. Cargo/Troops - ONLOADED
- d. Winching Operation - As Required
 - (1). Cargo Unit - ALIGNED WITH RAMP
 - (2). Cargo Winch Cable - "DISENGAGE" (LM),
"DISENGAGED" (S)
 - (3). Winch Hook - ATTACHED TO UNIT
 - (4). Cargo Winch Cable - "ENGAGE" (LM),
"ENGAGED" (S)
- e. Equipment / Personnel – LOADED
- f. Load Restraints - IAW LOAD PLAN
- g. Loading Ramps – STOWED
- h. ADS Links – CONNECTED
- i. Ready To Taxi - ADVISE SCANNER.
- j. Cargo Doors – CLOSED
- k. Red Lights / EL Lighting - AS REQUIRED
- l. Load Restraint – CHECKED
- m. Personnel Restraint – COMPLETED
- n. EMI Filter Pins - As Required
- o. Ready for Takeoff - NOTIFY SCANNER

SOLL II PRE-SLOWDOWN CHECKLIST

1. "PRE-SLOWDOWN CHECKLIST" (RN);
"ACKNOWLEDGED" (LM, E)
2. Remote Control Mechanisms - CHECKED
3. Aft Emergency Restraint Chains - CHECKED
4. Inspection of Load and Extraction System – COMPLETE
5. Area Aft of Load - CHECKED
6. Locks on Both Rails Aft of Load - DETENTS
RETRACTED
7. Retractable Lips - RETRACTED, SECURED
8. Auxiliary Door Locks, Cam Jacks, and Manual Safety
Pins - REMOVED and STOWED
9. Anchor Cable Restraint Hooks - REMOVED
10. Pressure Door - "CLEARED TO OPEN" (P); "OPEN" (LM)
11. Aft Anchor Cable Supports - AS REQUIRED
12. Aft End of Ramp - TAPED, INSTALLED
13. Ramp Loading Lights - OFF
14. Bundle Marking Lights - ON (As Required)
15. Parachutes, Safety Harness, and Seat Belts -
ON, FASTENED
16. Red Light - "ON" (RN); CHECKED (LM)
17. Pre-Slowdown Checklist - "COMPLETED" (LM, E)

SOLL II SLOWDOWN CHECKLIST

1. "SLOWDOWN CHECKLIST" (CP) -
"ACKNOWLEDGED" (LM, E)
2. Troop Door By-Pass Switch - NORMAL
3. Right Paratroop Door - "CLEARED TO OPEN" (P);
OPEN AND LOCKED (LM)

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4. Air Deflector - EXTENDED
5. Right Hand Locks - CHECKED
6. ADS Arm Switch - DEARMED
7. Cargo Doors - "CLEAR" (LM)
8. Cargo Door Open Light - ON
9. Cargo Doors - "OPEN" (LM)
10. Left Hand Locks - UNLOCKED (As Required)
11. Slowdown Checklist - "COMPLETED" (LM, E)

SOLL II EQUIPMENT CARP CHECKLIST

1. 1 Minute Advisory (RN) - "ACKNOWLEDGED" (LM)
2. 10 Second Advisory (MN) - "ADS SWITCH ARMED" (LM)
3. "GREEN LIGHT" (MN); "ALL CLEAR" or "MALFUNCTION" (LM)
4. "RED LIGHT" (MN); CHECKED (LM)

SOLL II EQUIPMENT MALFUNCTION CHECKLIST

1. Extraction Parachute Manual Release - SAFE
2. ADS Arming - DE-ARMED
3. Platform - RESTRAINED
4. Extraction Line - CUT (If Required)
5. Left Rail Detents - ENGAGED
6. Pilot Notified - "MALFUNCTION CHECKLIST COMPLETED" (LM)

SOLL II JUMP-PILOT MANEUVER CHECKLIST

1. "JUMP-PILOT MANEUVER CHECKLIST" (P) - "ACKNOWLEDGED" (LM, E)
2. Manual Control - SAFE POSITION

3. Cargo Doors - CLOSED
4. Air Deflectors – RETRACTED
5. Paratroop Door - CLOSED
6. Troop Door Bypass Switch - NORMAL
7. All Doors - "CLOSED" (LM)
8. Dual Rail Adjacent to Right Troop Door -
REMOVED, SECURED
9. Jump Platform - INSTALLED
10. Intermediate Anchor Cable Support - CONNECTED
11. Personnel Static Line Retriever Cable -
CHECKED, MADE SAFE
12. Jumpers - MOVED AFT TO TROOP DOORS
13. Reconfiguration - "COMPLETED" (LM)
14. Right Paratroop Door - "CLEARED TO OPEN" (P);
OPEN AND LOCKED (LM)
15. Air Deflector - EXTENDED
16. Jump Platform - LOCKED IN PLACE
17. Jump-Pilot Maneuver Checklist - "COMPLETED" (LM, E)

SOLL II PERSONNEL CARP CHECKLIST

1. "1 MINUTE ADVISORY" (RN) -
"ACKNOWLEDGED" (LM)
2. "10 Second Advisory" (MN); Jumpmaster - ALERTED
3. "GREEN LIGHT" (MN); "ALL CLEAR" or
"MALFUNCTION" (LN);
4. "RED LIGHT" (MN); CHECKED (LM)
5. JM/Safety - WARNED
(Upon Seeing or Hearing Red Light)

SOLL II POST DROP CHECKLIST

1. "POST DROP CHECKLIST" (CP);
"ACKNOWLEDGED" (LM, E)
2. Jump Platforms - AS REQUIRED
3. Static Lines – RETRIEVED
4. Air Deflectors - CLOSED
5. Paratroop Door - "CLOSED" (LM)
6. Troop Door Bypass Switch - NORMAL
7. Static Line Retriever Cables - CHECKED, SECURED
8. Parachutes, Safety Harness, Seat Belts - AS REQUIRED
9. Cargo Compartment Lights - AS REQUIRED
10. Jump Platform Lights - AS REQUIRED
11. Post Drop Checklist - "COMPLETED" (LM, E)

SOLL II COMBAT EXIT CHECKLIST

1. "CREW, SOLL II COMBAT EXIT CHECKLIST" (P);
"ACKNOWLEDGED" (LM, E)
2. Pressure Door - "CLOSED" (S/LM)
- *3. Battle Damage Assessment -
"COMPLETED" (CP, P, RN, E, S, LM)
4. Internal and External Lights - "SET" (CP, P, RN, E, LM)
5. EMI Filter Pins - "INSTALLED" (S/LM)
"ACKNOWLEDGED" (P)
6. SOLL II Combat Exit Checklist – "COMPLETED" (E)

DRIFTBACK CHECKLIST

1. "DRIFTBACK CHECKLIST" (P);
"ACKNOWLEDGED" (LM)
2. Final Load Position - DETERMINED

NOTE: The pallet should be drifted back to the forward most pulley position.

3. Right Restraint Rail Locks:
 - a. Detents Securing and Forward of Drift Pallet - EXTENDED, LOCKED, SET
 - b. Detents In the Drift Area - EXTENDED FOR FORWARD RESTRAINT ONLY
 - c. Detents Aft of Drift Area - EXTENDED, LOCKED, SET
4. Left Restraint Rail Locks:
 - a. Detents Securing and Forward of Drift Pallet - EXTENDED, LOCKED, SET
 - b. Detents In the Drift Area - Extended for Forward Restraint only After Drift Pallet has Passed By.
 - c. Detents Aft of Drift Area - EXTENDED, LOCKED, SET
5. Roller Conveyors:
 - a. Conveyors In the Drift Area - UP AND LOCKED
 - b. Conveyors Aft of Drift Area - DOWN AND LOCKED
 - c. Conveyors On the Ramp - UP AND LOCKED
6. Chain Bridle - ATTACHED

NOTE: Attach chain bridle to drift pallet by forming one continuous loop attached to each corner of the drift pallet. Tape hook ends of chain with cloth backed pressure sensitive tape.

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7. Cargo Winch - ATTACHED TO CHAIN BRIDLE

NOTE: Attach to chain bridle and remove as much slack as possible after attaching the winch cable hook to the chain bridle. The loadmaster operating the winch will maintain interphone contact with the pilot until driftback is complete.

8. Supplemental Blivet Restraint - REMOVED

9. Notify Crew - "PALLET READY TO DRIFT" (LM)

10. Driftback Clearance - "START DRIFTBACK" (P);
"ACKNOWLEDGED" (LM)

11. Left Locks Securing Drift Pallet - UNLOCKED

NOTE: Unlock left rail locks aft to forward.

12. Right Locks Securing Drift Pallet - TABS RELEASED

NOTE: Release right rail lock tabs aft to forward.

13. Drift Pallet - WINCHED AFT TO PREDETERMINED
POSITION

NOTE: Left and right locks forward of drift pallet will be engaged as pallet is winched aft.

14. Drift Pallet - SECURED

15. Driftback - "COMPLETED" (LM, P).

NOTE: Ensure roller conveyors required for blivet-drop are up and locked.

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