

TO 1300i-2-10JG-70-1

TECHNICAL MANUAL

JOB GUIDE

ORGANIZATIONAL MAINTENANCE

GROUND HANDLING MISSION RECONFIGURATION CARGO COMPARTMENT

(10-70-00 THROUGH 10-73-01)

USAF SERIES

300i

AIRCRAFT

MCDONNELL DOUGLAS CORPORATION

MILITARY TRANSPORT AIRCRAFT

F33657-81-C-2108

FA8526-21-D-0001

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INTRODUCTION

SCOPE.

This manual contains maintenance procedures for cargo compartment mission reconfiguration.

MODEL(S) COVERED.

All

ABBREVIATIONS.

The following is a list of non-standard abbreviations used throughout this manual:

CWRC	Cargo Winch Remote Control
DV	Distinguished Visitor
LMS	Loadmasters Station
PLCS	Places
SB	Silver Bullet

CHANGE REQUEST.

Recommended changes to this manual shall be submitted in accordance with TO 00-5-1.

300i TO INFORMATION.

General 300i TO/eTO, TO Manager, Supplement and finalized Recommended Change (RC) information can be found in the Enhanced Technical Information Management System (ETIMS), System of Record.

➤ LIST OF TIME COMPLIANCE TECHNICAL ORDERS (TCTO).

This list of TCTO's contains all current TCTO's that affect the technical content of text or illustrations found in this manual.

TCTO NUMBER	TITLE	TCTO DATE	APPLICABILITY

SECTION 1

GENERAL INFORMATION (10-70-00)

1-1. GENERAL INFORMATION.

1-2. This section provides general information that is essential for ensuring complete and safe maintenance procedures contained throughout this manual.

1-3. Personnel using this manual should be aware of the infinite number of variations that can be obtained from these standard configurations.

1-4. GENERAL WARNINGS, CAUTIONS, AND NOTES.

WARNING

- Protective gloves shall be worn when configuring aircraft. Failure to comply may cause injury to personnel.
- Cargo ramp and cargo door open/close area shall be clear of personnel and equipment prior to operating. Failure to comply may cause injury to personnel or damage to aircraft.

WARNING - Continued

- Oil, grease, flammable solvents, or other flammable materials must not be allowed to contact parts of oxygen system components. Failure to comply may cause injury to personnel and damage to aircraft.

CAUTION

Mission handling equipment shall be properly stowed prior to cargo ramp and cargo door open/close operation. Failure to comply may cause damage to aircraft.

NOTE

- The maximum quantity of each item mentioned is to be rigged unless otherwise specified.
- When ramp toes are installed access to cargo door stowage area is limited. Ramp toes shall be removed and stowed prior to removing equipment on cargo door and in stowage bins.
- The raised and lowered aerial delivery system rails and rollers configuration consists of: two pallet end stops; 20 center fuselage rail assemblies with 40 bidirectional and four single rollers; six ramp rail assemblies with 12 bidirectional and four single and quad rollers.
- The centerline upper seat assembly is normally configured for passengers. Upper seat assembly shall be unzipped to accommodate paratroopers wearing parachutes and ground troops with backpacks.
- When more than 102 passengers/troops are airlifted, additional supplemental oxygen is required.

NOTE - Continued

- When more than 138 passengers/troops (including crew) are airlifted over water, additional over water equipment is required.

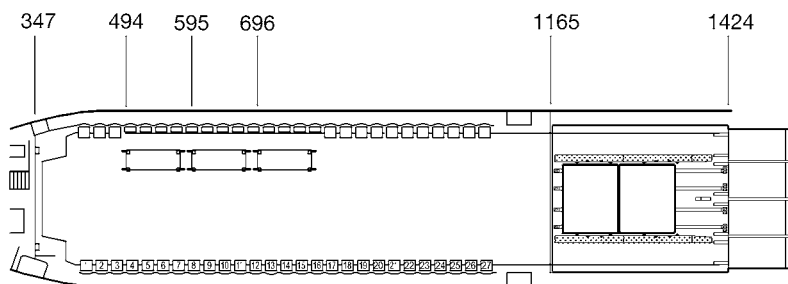
1-5. AEROMEDICAL EVACUATION CONFIGURATIONS.

There are two aeromedical evacuation (AE) configurations. AE - 1 is normally used for emergency airlift of patients or training, consisting of three aeromedical litter station assemblies. AE - 2 is normally used for airlift of maximum patients.

1-6. AE - 1.

1-7. $\langle \text{AA} \rangle \rightarrow \langle \text{BR} \rangle$ This configuration is normally for emergency airlift of patients and training missions. Ramp Aerial Delivery System (ADS) rails and rollers are raised. Ramp toes and rollers are stowed. Three aeromedical litter station assemblies (nine litter spaces) are installed on the right side starting at fuselage station 494. Each aeromedical litter station assembly is separated by a space of 21 inches. Aeromedical litter station assemblies are normally installed in the inboard position. When installed in the outboard position, sidewall seats adjacent to aeromedical litter station assembly must be raised. Sidewall seats are lowered for medical crew and patients. Provides for 9 litter spaces and 54 seats. A minimum of 10 seats is required for aeromedical evacuation crewmembers. Two HCU-6/E pallet positions are available in the cargo ramp ADS rails.

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AE - 1 is normally for emergency airlift of patients or training missions. The following tabular data lists the component, how to configure it, and the task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Stowed	10-78-01, task 01-2
Center Fuselage Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-2
Ramp Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-3
Ramp Toe	Stowed	10-72-01, task 01-2
Ramp Toe Guide Rail	Stowed	10-72-01, task 01-6
Ramp Toe Tray Roller Conveyor	Stowed	10-72-01, task 01-8
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Litter Station Assembly	Installed	10-74-01, task 01-1

COMPONENT	CONFIGURE	TASK
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Lowered	10-75-01, task 01-4
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Stowed	10-78-01, task 01-4
Silver Bullet	Stowed	10-79-02, task 02-2
Frequency Converter	Installed	24-26-10, task 3-1

1-7. **BS** → This configuration is normally for emergency airlift of patients and training missions. Ramp Aerial Delivery System (ADS) rails and rollers are raised. Ramp toes and rollers are stowed. Three aeromedical litter station assemblies (nine litter spaces) are installed on the right side starting at fuselage station 494. Each aeromedical litter station assembly is separated by a space of 21 inches. Aeromedical litter station assemblies are normally installed in the inboard position. When installed in the outboard position, sidewall seats adjacent to aeromedical litter station assembly must be raised. Sidewall seats are lowered for medical crew and patients. Provides for 9 litter spaces and 54 seats. A minimum of 10 seats is required for aeromedical evacuation crewmembers. Two HCU-6/E pallet positions are available in the cargo ramp ADS rails.



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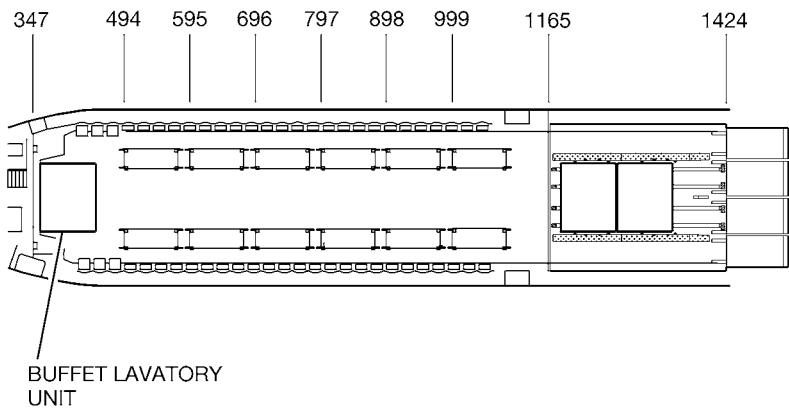
Use this list of tabular data to rig an AE - 1 configuration, emergency airlift of patients or training missions. It lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Stowed	10-78-01, task 01-2
Center Fuselage Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-2
Ramp Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-3
Ramp Toe	Stowed	10-72-01, task 01-2
Ramp Toe Guide Rail	Stowed	10-72-01, task 01-6
Ramp Toe Tray Roller Conveyor	Stowed	10-72-01, task 01-8
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Litter Station Assembly	Installed	10-74-01, task 01-1

COMPONENT	CONFIGURE	TASK
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Lowered	10-75-01, task 01-4
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Stowed	10-78-01, task 01-4
Silver Bullet	Stowed	10-79-02, task 02-2
Frequency Converter	Installed	24-26-10, task 3-1

1-8. AE - 2.

1-9. (AA) → (BR) This configuration is normally for airlift of maximum patients. Center fuselage ADS rails and rollers are raised when loading the buffet lavatory unit then lowered. Ramp ADS rails and rollers remain raised. Ramp toes and rollers are stowed. Twelve aeromedical litter station assemblies (36 litter spaces) are installed six on each side starting at fuselage station 494. Each aeromedical litter station assembly is separated by a space of 21 inches. Aeromedical litter station assemblies are normally installed in the inboard position. When installed in the outboard position, sidewall seats adjacent to aeromedical litter station assembly must be raised. Sidewall seats are lowered for ambulatory patients. Provides for an ATGL, 36 litter spaces, and 54 seats. A minimum of 10 seats are required for aeromedical evacuation crewmembers. Two HCU-6/E pallet positions on the cargo ramp are available in the ADS rails.



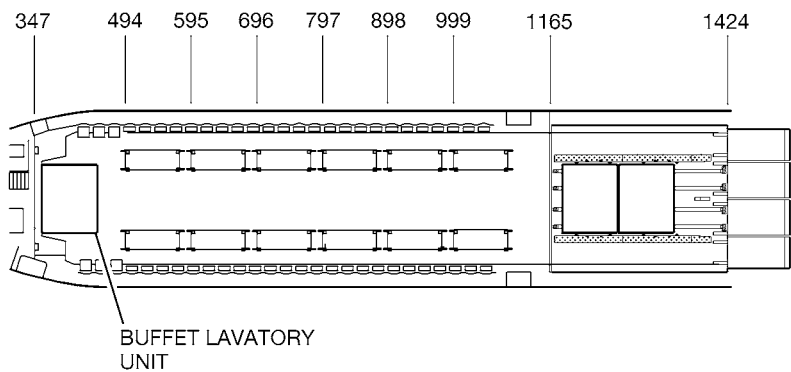
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Use this list of tabular data to rig an AE - 2 configuration, normally airlift of maximum patients. It lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Installed	10-78-01, task 01-1
Center Fuselage Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-2
Ramp Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-3
Ramp Toe	Stowed	10-72-01, task 01-2
Ramp Toe Guide Rail	Stowed	10-72-01, task 01-6
Ramp Toe Tray Roller Conveyor	Stowed	10-72-01, task 01-8
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Litter Station Assembly	Installed	10-74-01, task 01-1

COMPONENT	CONFIGURE	TASK
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Lowered	10-75-01, task 01-4
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Installed	10-78-01, task 01-3
Silver Bullet	Stowed	10-79-02, task 02-2
Frequency Converter	Installed	24-26-10, task 3-1

1-9. **BS** → This configuration is normally for airlift of maximum patients. Center fuselage ADS rails and rollers are raised when loading the buffet lavatory unit then lowered. Ramp ADS rails and rollers remain raised. Ramp toes and rollers are stowed. Twelve aeromedical litter station assemblies (36 litter spaces) are installed six on each side starting at fuselage station 494. Each aeromedical litter station assembly is separated by a space of 21 inches. Aeromedical litter station assemblies are normally installed in the inboard position. When installed in the outboard position, sidewall seats adjacent to aeromedical litter station assembly must be raised. Sidewall seats are lowered for ambulatory patients. Provides for an ATGL, 36 litter spaces, and 54 seats. A minimum of 10 seats are required for aeromedical evacuation crewmembers. Two HCU-6/E pallet positions on the cargo ramp are available in the ADS rails.



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Use this list of tabular data to rig an AE - 2 configuration, normally airlift of maximum patients. It lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Installed	10-78-01, task 01-1
Center Fuselage Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-2
Ramp Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-3
Ramp Toe	Stowed	10-72-01, task 01-2
Ramp Toe Guide Rail	Stowed	10-72-01, task 01-6
Ramp Toe Tray Roller Conveyor	Stowed	10-72-01, task 01-8
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Litter Station Assembly	Installed	10-74-01, task 01-1

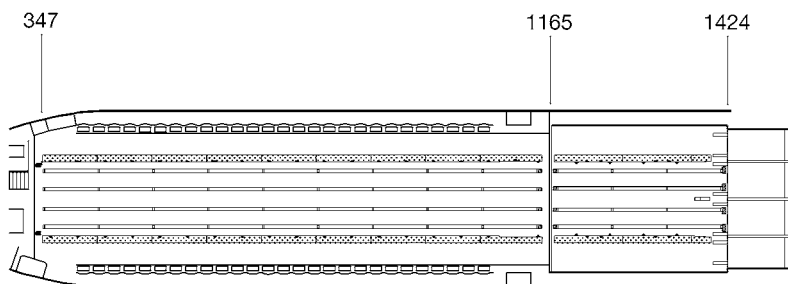
COMPONENT	CONFIGURE	TASK
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Lowered	10-75-01, task 01-4
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Stowed	10-78-01, task 01-4
Silver Bullet	Stowed	10-79-02, task 02-2
Frequency Converter	Installed	24-26-10, task 3-1

1-10. AIRDROP CONFIGURATIONS.

There are three airdrop cargo (ADC) configurations). ADC - 1 is a low altitude air drop of cargo and supplies at less than 10 feet above ground surface. ADC - 2 is normally for airdrop of vehicles, supplies, and equipment rigged on heavy equipment platforms. ADC - 3 is dual row, normally for air drop of vehicles, supplies, and equipment rigged on 463L pallets or type VI platforms.

1-11. ADC - 1.

1-12. This low altitude parachute extraction system configuration is normally for air drop of cargo and supplies at an altitude of less than 10 feet above ground surface. Center fuselage Aerial Delivery System (ADS) rails and rollers are raised. Ramp ADS rails and rollers are raised. Ramp toes and rollers are stowed. Sidewall seats are raised. ADS bridge rails, ramp links, long links, and ramp floor edge protector are installed. Provides for airdrop of up to 64 feet of airdrop of platform loads and 54 seats for paratroopers.



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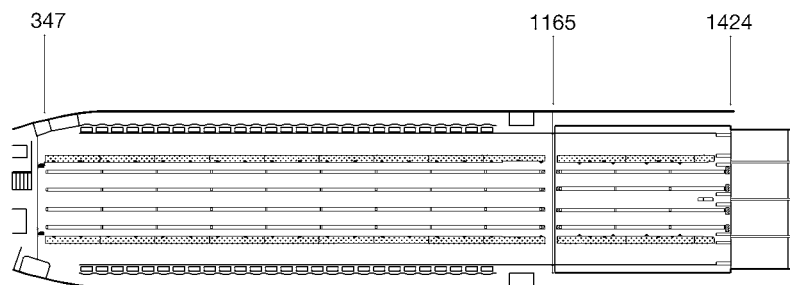
Use this list of tabular data to rig an ADC -1 configuration, a low altitude parachute extraction system normally used for air drop of cargo and supplies at an altitude of less than 10 feet above ground surface. It lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Stowed	10-78-01, task 01-2
Center Fuselage Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-1
Ramp Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-3
Ramp Toe	Stowed	10-72-01, task 01-2
Ramp Toe Guide Rail	Stowed	10-72-01, task 01-6
Ramp Toe Tray Roller Conveyor	Stowed	10-72-01, task 01-8
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Litter Station Assembly	Stowed	10-74-01, task 01-2

COMPONENT	CONFIGURE	TASK
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Lowered	10-75-01, task 01-4
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Raised	10-76-01, task 01-2
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Installed	10-77-01, task 01-1
Ramp Floor Edge Protector	Installed	10-77-01, task 01-3
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Installed	10-77-01, task 01-9
Distinguished Visitor Kit	Stowed	10-78-01, task 01-4
Silver Bullet	Stowed	10-79-02, task 02-2

1-13. ADC - 2.

1-14. This configuration is normally for air drop of vehicles, supplies, and equipment rigged on heavy equipment platforms. Center fuselage ADS rails and rollers raised. Ramp ADS rails and rollers are raised. Ramp toes and rollers are stowed. Sidewall seats are raised. ADS bridge rails, ramp links, long links, and ramp floor edge protector are installed. Provides for airdrop of up to (8) 18 foot dual row airdrop platforms, (12) 8 foot dual row platforms, or 12 HCU-6/E pallets in the logistics rails.



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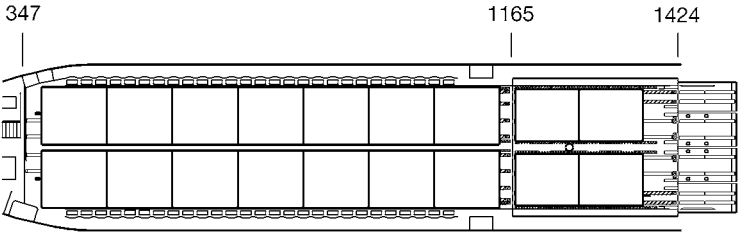
Use this list of tabular data to rig an ADC - 2 configuration, normally air drop of vehicles, supplies and equipment rigged on heavy equipment platforms. It lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Stowed	10-78-01, task 01-2
Center Fuselage Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-1
Ramp Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-3
Ramp Toe	Stowed	10-72-01, task 01-2
Ramp Toe Guide Rail	Stowed	10-72-01, task 01-6
Ramp Toe Tray Roller Conveyor	Stowed	10-72-01, task 01-8
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Litter Station Assembly	Stowed	10-74-01, task 01-2

COMPONENT	CONFIGURE	TASK
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Lowered	10-75-01, task 01-4
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Raised	10-76-01, task 01-2
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Installed	10-77-01, task 01-1
Ramp Floor Edge Protector	Installed	10-77-01, task 01-3
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Installed	10-77-01, task 01-9
Distinguished Visitor Kit	Stowed	10-78-01, task 01-4
Silver Bullet	Stowed	10-79-02, task 02-2

1-15. ADC - 3.

1-16. This dual row configuration is normally for air drop of vehicles, supplies, and equipment rigged on 463L pallets or type VI platforms. Dual row air drop utilizes the logistic rail system for air drop. Center fuselage logistic rails and rollers are raised. Ramp logistic rails and rollers are raised. The omni-directional rollers are located at FS 352 through FS 992. Ramp toes and rollers are stowed. Sidewall seats are raised. Short ADS links are installed. Long anchor cables are installed from the outboard forward clevises to the short aft anchor cable supports.



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Use this list of tabular data to rig an ADC - 3 configuration, normally air drop of vehicles, supplies and equipment rigged on 463L pallets or type VI platforms. It lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Stowed	10-78-01, task 01-2
Center Fuselage Aerial Delivery System (ADS) Rails	Lowered	10-71-01, task 01-2
Center Fuselage Roller Conveyers	Raised	10-79-01, task 01-1
Ramp Aerial Delivery System (ADS) Rails	Lowered	10-71-01, task 01-4
Ramp Roller Conveyers	Raised	10-75-01, task 01-3
Ramp Toes	Installed	10-72-01, task 01-1
Ramp Toe Guide Rails	Installed	10-72-01, task 01-5
Ramp Toe Roller Conveyers	Installed	10-72-01, task 01-7

COMPONENT	CONFIGURE	TASK
Anchor Cable Equipment	Rigged	10-73-01, tasks 01-1, 01-3
Litter Station Assembly	Stowed	10-74-01, task 01-2
Center Fuselage Logistic Rails	Raised	10-75-01, task 01-1
Ramp Logistics Rails	Raised	10-75-01, task 01-3
Ramp Logistics Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Raised	10-76-01, task 01-2
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Short Links	Installed	10-77-01, task 01-10
Ramp Long Links	Stowed	10-77-01, task 01-10
Silver Bullet	Stowed	10-79-02, task 02-2

1-17. CONTAINER DELIVERY SYSTEM - 1.

The container delivery system (CDS) configuration is normally for air drop training missions.

1-18. This configuration is normally for air drop of supplies and equipment rigged in A-22 containers. Center fuselage ADS rails and rollers are raised. Center fuselage logistic rails and rollers between ADS rails are raised. Ramp ADS rails and rollers are raised. Ramp logistic rails and rollers between ADS rails are raised. The four ramp toes are installed in low position. Inboard two ramp toes will have rollers and guide rails installed. Anchor cables and anchor cable supports are installed. Sidewall seats are raised. ADS bridge rails, ramp links, long links, and ramp floor edge protector are installed. Provides for airdrop of up to 40 A-22 containers in a double stick or up to 20 A-22 containers in a single stick, and 54 seats for paratroopers. Buffer stop assembly is rigged at fuselage station 389 as follows:

Use this list of tabular data for a CDS - 1 configuration, normally for air drop training missions. It lists container weights, sizes and proper securement.

CONTAINERS GROSS WEIGHT PER SIDE	CONTAINERS LESS THAN 60 INCHES IN HEIGHT	CONTAINERS MORE THAN 60 INCHES IN HEIGHT
501 - 10,000 lbs	10,000 lbs Chains 2 BSHSSSS	10,000 lbs Chains 3 BSHSSSS
10,001 - 15,000 lbs	10,000 lbs Chains 3 BSHSSSS or 25,000 lbs Chains 2 BSHSSSS	10,000 lbs Chains 3 BSHSSSS
15,001 - 25,000 lbs	25,000 lbs Chains 2 BSHSSSS	25,000 lbs Chains 3 BSHSSSS
25,001 - 37,600 lbs	25,000 lbs Chains 3 BSHSSSS	25,000 lbs Chains 3 BSHSSSS



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Use this list of tabular data to rig an CDS - 1 configuration, normally for air drop training missions. It lists the component, how to configure, and task to use.

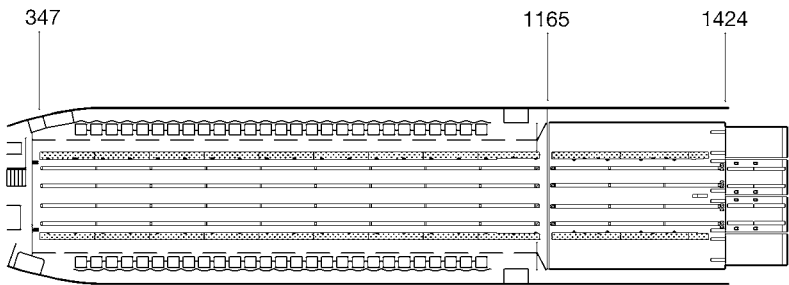
COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Stowed	10-78-01, task 01-2
Center Fuselage Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-1
Ramp Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-3
Ramp Toe	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail	Installed	10-72-01, task 01-5
Ramp Toe Tray Roller Conveyor	Installed	10-72-01, task 01-7
Anchor Cable Equipment	Rigged	10-73-01, tasks 01-1, 01-8
Litter Station Assembly	Stowed	10-74-01, task 01-2
Center Fuselage Logistic Rail and Roller	Raised	10-75-01, task 01-1
Ramp Logistics Rail and Roller	Raised	10-75-01, task 01-3
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Raised	10-76-01, task 01-2
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Installed	10-77-01, task 01-1
Ramp Floor Edge Protector	Installed	10-77-01, task 01-3
Buffer Stop Assembly	Installed	10-77-01, task 01-5
Gate Release Assembly	Installed	10-77-01, task 01-7
Ramp Links and Long Links	Installed	10-77-01, task 01-9
Distinguished Visitor Kit	Stowed	10-78-01, task 01-4
Silver Bullet	Stowed	10-79-02, task 02-2

1-19. AIRDROP PARATROOP CONFIGURATIONS.

There are three Airdrop paratroop (ADP) configurations. ADP - 1 is normally for local air drop training missions. ADP - 2 is normally for maximum air drop of paratroops. ADP - 3 is normally for maximum air drop of paratroops and up to eight A-22 containers.

1-20. ADP - 1.

1-21. This configuration is normally for local air drop training missions. Center fuselage Aerial Delivery System (ADS) rails and rollers are raised. Ramp ADS rails and rollers are raised. The four ramp toes are installed in low position. Inboard two ramp toes will have rollers and guide rails installed. Outboard anchor cables and anchor cable supports are installed. Sidewall seats are lowered. Provides for 54 seats for paratroopers, a clear cargo floor for loading 9 HCU-6/E pallets or rolling stock loads, and 4 HCU-6/E pallet positions on the cargo ramp.



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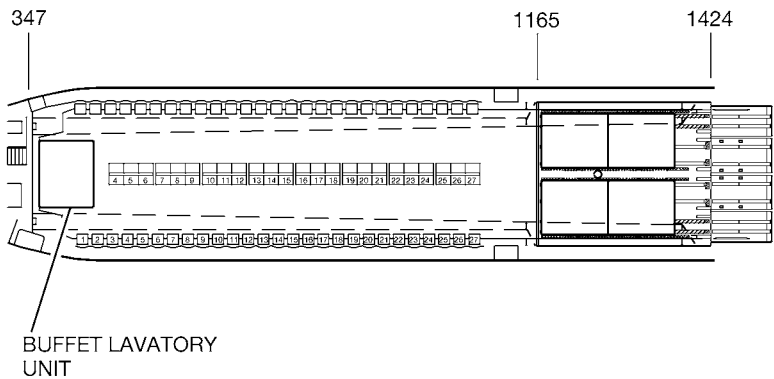
ADP - 1 is normally for local airdrop training missions, the following tabular data lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Stowed	10-78-01, task 01-2
Center Fuselage Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-1

COMPONENT	CONFIGURE	TASK
Ramp Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-3
Ramp Toe	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail	Installed	10-72-01, task 01-5
Ramp Toe Tray Roller Conveyor	Installed	10-72-01, task 01-7
Anchor Cable Equipment	Rigged	10-73-01, task 01-1, 01-8
Litter Station Assembly	Stowed	10-74-01, task 01-2
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Lowered	10-75-01, task 01-4
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Stowed	10-78-01, task 01-4
Silver Bullet	Stowed	10-79-02, task 02-2

1-22. ADP - 2.

1-23. This configuration is normally for maximum air drop of paratroops. Center fuselage and ramp ADS rails and rollers are raised when loading optional buffet lavatory unit, then lowered. Ramp logistic rails and rollers are raised. The four ramp toes with rollers and guide rails are installed in low position. Outboard and inboard anchor cables and anchor cable supports are installed. Sidewall seats are lowered. Centerline seat assemblies are installed. Provides for 102 seats for paratroopers and 4 HCU-6/E pallet positions on the cargo ramp.



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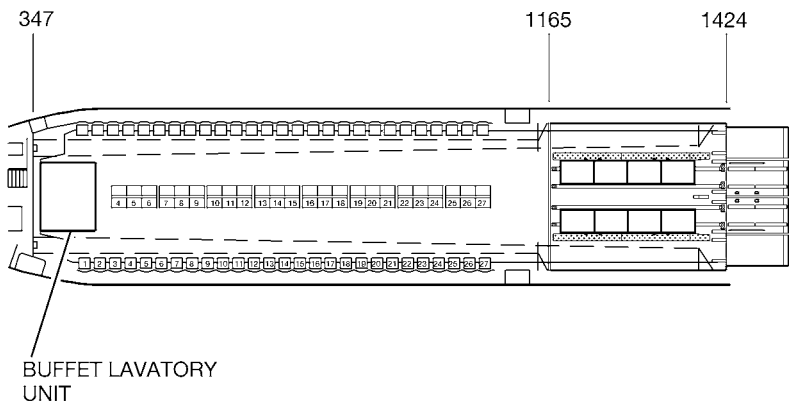
ADP - 2 is normally for maximum air drop of paratroops, the following tabular data lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Optional	10-78-01, task 01-1
Center Fuselage Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-2
Ramp Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-4
Ramp Toe	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail	Installed	10-72-01, task 01-5
Ramp Toe Tray Roller Conveyor	Installed	10-72-01, task 01-7
Anchor Cable Equipment	Rigged	10-73-01, task 01-1
Litter Station Assembly	Stowed	10-74-01, task 01-2
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2

COMPONENT	CONFIGURE	TASK
Ramp Logistics Rail and Roller	Raised	10-75-01, task 01-3
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Centerline Seat	Installed	10-76-01, task 01-3
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Plugs	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Installed	10-78-01, task 01-3
Silver Bullet	Stowed	10-79-02, task 02-2

1-24. ADP - 3.

1-25. This configuration is normally for maximum air drop of paratroops and up to eight A-22 containers. Center fuselage ADS rails and rollers are raised when loading the buffet lavatory unit, then lowered. Ramp logistic rails and rollers between ADS rails are raised. The four ramp toes are installed in low position. Inboard two ramp toes will have rollers and guide rails installed. Outboard and inboard anchor cables and anchor cable supports are installed. Yoke assemblies will be rigged for troop and container delivery system drop. Ramp links, long links, and ramp floor edge protector are installed. Sidewall seats are lowered. Centerline seat assemblies are installed. Provides for an ATGL, 102 seats for paratroopers, and 4 HCU-6/E pallet positions on the cargo ramp.



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ADP - 3 normally for maximum air drop of paratroops and up to eight A-22 containers, the following tabular data lists the component, how to configure and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Installed	10-78-01, task 01-1
Center Fuselage Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-2
Ramp Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-3
Ramp Toe	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail	Stowed	10-72-01, task 01-6
Ramp Toe Tray Roller Conveyor	Installed	10-72-01, task 01-7
Anchor Cable Equipment	Rigged	10-73-01, task 01-1
Litter Station Assembly	Stowed	10-74-01, task 01-2
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2

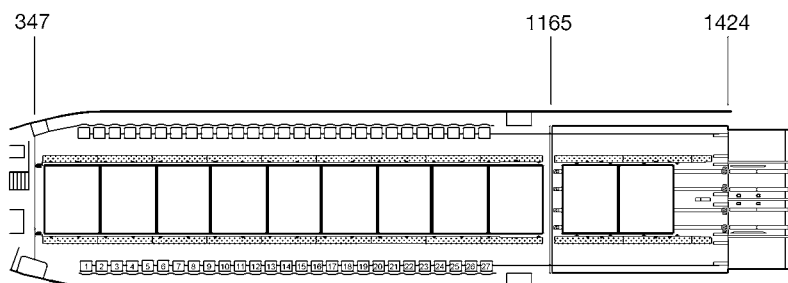
COMPONENT	CONFIGURE	TASK
Ramp Logistics Rail and Roller	Raised	10-75-01, task 01-3
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Centerline Seat	Installed	10-76-01, task 01-3
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Installed	10-77-01, task 01-3
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Installed	10-77-01, task 01-9
Distinguished Visitor Kit	Installed	10-78-01, task 01-3
Silver Bullet	Stowed	10-79-02, task 02-2

1-26. CARGO CONFIGURATIONS.

Cargo (C) has three configurations, C - 1 normally for airlift of palletized cargo and passengers/troops. C - 2 normally for airlift of vehicles and floor loaded cargo. C - 3 normally for airlift of maximum palletized cargo.

1-27. C - 1.

1-28. This configuration is normally for airlift of palletized cargo and passengers/troops. Center fuselage Aerial Delivery System (ADS) rails and rollers are raised. Ramp ADS rails and rollers are raised. The four ramp toes are installed in low position. Inboard two ramp toes will have rollers and guide rails installed. Sidewall seats are lowered. Provides for 11 HCU-6/E pallets in the ADS rail system and 54 seats.



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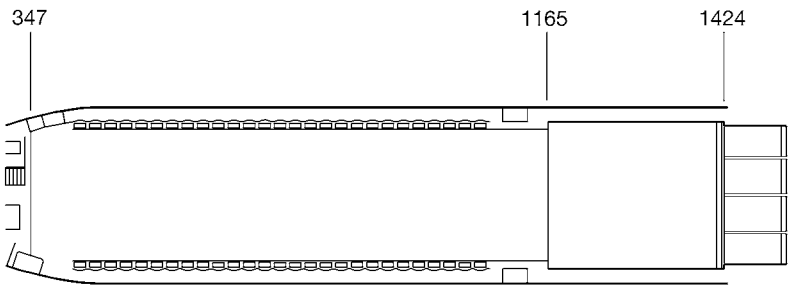
C - 1 is normally for airlift of palletized cargo and passengers/troops. The following tabular data lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Stowed	10-78-01, task 01-2
Center Fuselage Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-1
Ramp Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-3
Ramp Toe	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail	Installed	10-72-01, task 01-5
Ramp Toe Tray Roller Conveyor	Installed	10-72-01, task 01-7
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Litter Station Assembly	Stowed	10-74-01, task 01-2

COMPONENT	CONFIGURE	TASK
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Lowered	10-75-01, task 01-4
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Stowed	10-78-01, task 01-4
Silver Bullet	Stowed	10-79-02, task 02-2

1-29. C - 2.

1-30. This configuration is normally for airlift of vehicles and floor loaded cargo. Ramp toes are installed in high position. Provides for a clear cargo floor for loading of general cargo and/or rolling stock loads and 54 seats.



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C - 2 is normally for airlift of vehicles and floor loaded cargo. The following tabular data lists the component, how to configure, and task to use.

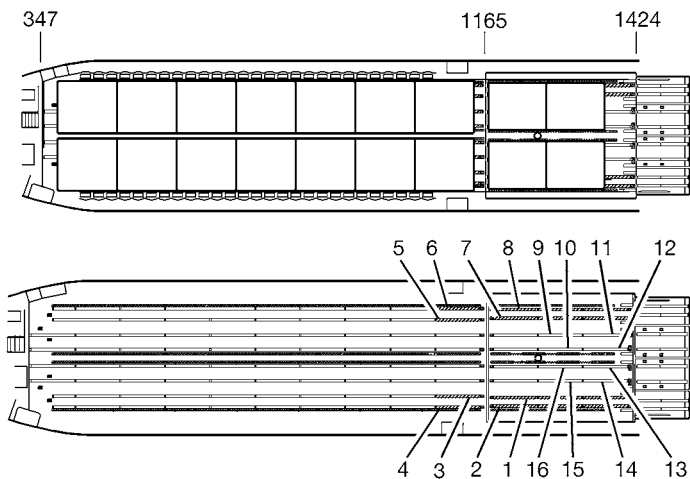
COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Stowed	10-78-01, task 01-2
Center Fuselage Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-2
Ramp Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-4
Ramp Toe	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail	Stowed	10-72-01, task 01-6
Ramp Toe Tray Roller Conveyor	Stowed	10-72-01, task 01-8

COMPONENT	CONFIGURE	TASK
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Litter Station Assembly	Stowed	10-74-01, task 01-2
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Lowered	10-75-01, task 01-4
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Raised	10-76-01, task 01-2
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Stowed	10-78-01, task 01-4
Silver Bullet	Stowed	10-79-02, task 02-2

1-31. C - 3.

1-32. This configuration is normally for airlift of maximum palletized cargo. Center fuselage and ramp logistic rails and rollers are raised. Ramp toes with rollers and guide rails are installed in low position. Ramp logistic rail bumper installed. When configuring roller trays; exchange omni-directional roller trays on cargo floor and ramp with bidirectional roller trays on ramp. When reconfiguring roller trays; replace in original locations. Provides for 18 HCU-6/E pallets in the logistic rail system. No seats are available in this configuration.

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INDEX NO.	OMNI-DIRECTIONAL ROLLER TRAY	INDEX NO.	BIDIRECTIONAL ROLLER TRAY
1-8	8	9-16	8

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C - 3 is normally for airlift of maximum palletized cargo. The following tabular data lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Stowed	10-78-01, task 01-2
Center Fuselage Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-2
Ramp Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-4
Ramp Toe	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail	Installed	10-72-01, task 01-5
Ramp Toe Tray Roller Conveyor	Installed	10-72-01, task 01-7
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11

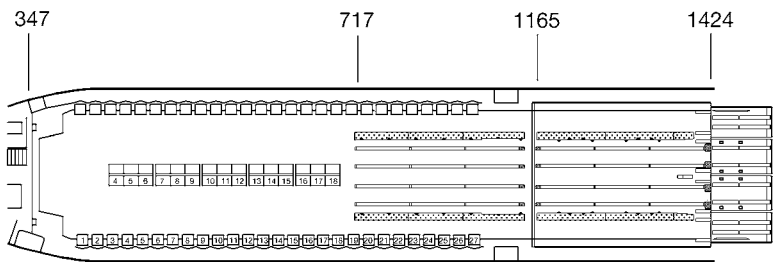
COMPONENT	CONFIGURE	TASK
Litter Station Assembly	Stowed	10-74-01, task 01-2
Center Fuselage Logistic Rail and Roller	Raised	10-75-01, task 01-1
Ramp Logistics Rail and Roller	Raised	10-75-01, task 01-3
Ramp Logistic Rail Bumper	Installed	10-75-01, task 01-5
Sidewall Seat	Raised	10-76-01, task 01-2
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Stowed	10-78-01, task 01-4
Silver Bullet	Stowed	10-79-02, task 02-2

1-33. PASSENGER CONFIGURATIONS.

Passenger (P) has two configurations. Cargo Passenger (CP) - 1 and (P - 1). CP - 1 is normally for airlift of cargo and passengers/troops. P - 1 is normally for airlift of maximum passengers/troops with a buffet lavatory unit.

1-34. CP - 1.

1-35. This configuration is normally for airlift of cargo and passengers/troops. Aerial Delivery System (ADS) center fuselage rails and rollers are raised starting at fuselage station 829. Ramp ADS rails and rollers are raised. Ramp toes with rollers and guide rails are installed in low position. Sidewall seats are lowered. Five centerline seat assemblies are installed.



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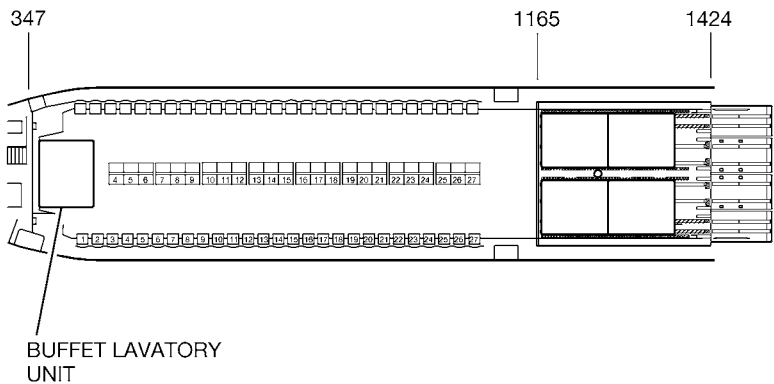
CP- 1 is normally for airlift of cargo and passengers/troops. The following tabular data lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Stowed	10-78-01, task 01-2
Center Fuselage Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-1
Ramp Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-3
Ramp Toe	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail	Installed	10-72-01, task 01-5
Ramp Toe Tray Roller Conveyor	Installed	10-72-01, task 01-7
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11

COMPONENT	CONFIGURE	TASK
Litter Station Assembly	Stowed	10-74-01, task 01-2
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Lowered	10-75-01, task 01-4
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Centerline Seat	Installed	10-76-01, task 01-3
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Stowed	10-78-01, task 01-4
Silver Bullet	Stowed	10-79-02, task 02-2

1-36. P - 1.

1-37. This configuration is normally for airlift of maximum passengers/troops with buffet lavatory unit. Center fuselage ADS rails and rollers are raised when loading buffet lavatory unit, then lowered. Ramp logistic rails and rollers are raised. The four ramp toes with rollers and guide rails are installed in low position. Sidewall seats are lowered. Centerline seat assemblies are installed. Provides for an ATGL, 102 seats and 4 HCU-6/E pallets on the cargo ramp.



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P- 1 is normally for airlift of maximum passengers/troops with a buffet lavatory unit. The following tabular data lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Installed	10-78-01, task 01-1
Center Fuselage Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-2
Ramp Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-4
Ramp Toe	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail	Installed	10-72-01, task 01-5
Ramp Toe Tray Roller Conveyor	Installed	10-72-01, task 01-7

COMPONENT	CONFIGURE	TASK
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Litter Station Assembly	Stowed	10-74-01, task 01-2
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Raised	10-75-01, task 01-3
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Centerline Seat	Installed	10-76-01, task 01-3
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Installed	10-78-01, task 01-3
Silver Bullet	Stowed	10-79-02, task 02-2

1-38. DISTINGUISHED VISITOR CONFIGURATIONS.

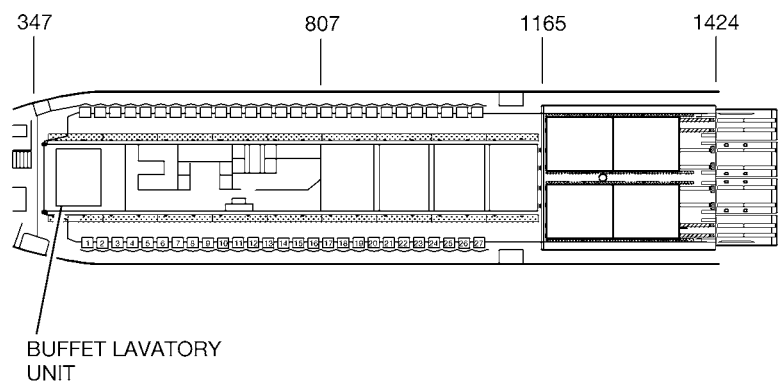
Distinguished visitor (DV) has four configurations. DV - 1 normally for airlift of distinguished visitor DV pallet and buffet lavatory unit. DV - 2 normally for airlift of DV with buffet lavatory unit. DV - 3 normally for airlift of the DV pallet. DV - 4 normally for airlift of DV with nine palletized seats installed.

1-39. DV - 1.

1-40. This configuration is normally for airlift of Distinguished Visitor (DV) pallet and buffet lavatory unit. Center fuselage Aerial Delivery System (ADS) rails and rollers are raised. Ramp ADS rails and rollers

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are raised for loading buffet lavatory unit and DV pallet, then lowered. Ramp logistic rails and rollers are raised. The four ramp toes with rollers and guide rails are installed in low position. Sidewall seats are lowered. Provides for an ATGL, 129 seats and 4 HCU-6/E pallets on the cargo ramp.



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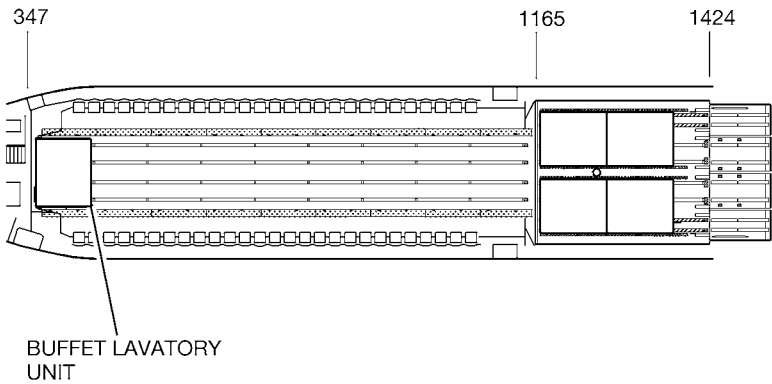
DV - 1 normally for airlift of distinguished visitors. The following tabular data lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Installed	10-78-01, task 01-1
Center Fuselage Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-1
Ramp Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-4
Ramp Toe	Installed	10-72-01, task 01-1

COMPONENT	CONFIGURE	TASK
Ramp Toe Guide Rail	Installed	10-72-01, task 01-5
Ramp Toe Tray Roller Conveyor	Installed	10-72-01, task 01-7
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Litter Station Assembly	Stowed	10-74-01, task 01-2
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Raised	10-75-01, task 01-3
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Installed	10-78-01, task 01-3
Silver Bullet	Stowed	10-79-02, task 02-2

1-41. DV - 2.

1-42. This configuration is normally for airlift of DV with buffet lavatory unit. Center fuselage ADS rails and rollers are raised. Ramp ADS rails and rollers are raised for loading buffet lavatory unit then lowered. Ramp logistic rails and rollers are raised. The four ramp toes with rollers and guide rails are installed in low position. Sidewall seats are lowered.



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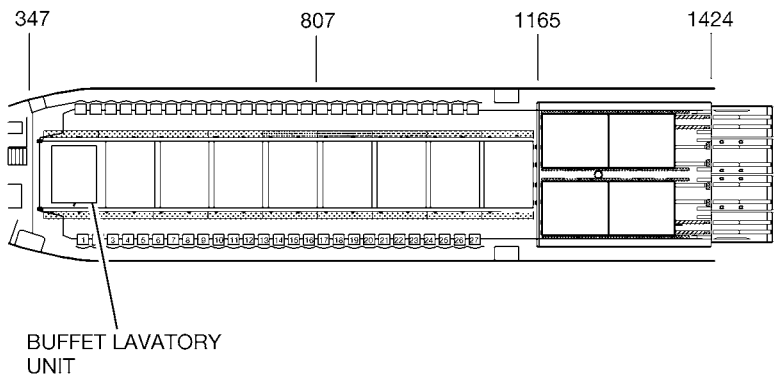
DV - 2 normally for airlift of DV with buffet lavatory unit. The following tabular data lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Installed	10-78-01, task 01-1
Center Fuselage Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-1
Ramp Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-4
Ramp Toe	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail	Installed	10-72-01, task 01-5
Ramp Toe Tray Roller Conveyor	Installed	10-72-01, task 01-7
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Litter Station Assembly	Stowed	10-74-01, task 01-2

COMPONENT	CONFIGURE	TASK
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Raised	10-75-01, task 01-3
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Installed	10-78-01, task 01-3
Silver Bullet	Stowed	10-79-02, task 02-2

1-43. DV - 3.

1-44. This configuration is normally for airlift of the DV pallet. When a buffet lavatory unit is onboard, eight palletized seat assemblies are installed. Center fuselage ADS rails and rollers are raised. Ramp ADS rails and rollers are raised for loading buffet lavatory unit and DV pallet, then lowered. Ramp logistic rails and rollers are raised. The four ramp toes with rollers and guide rails are installed in low position. Sidewall seats are lowered.



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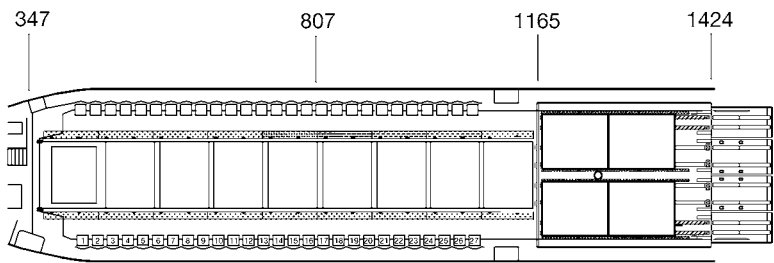
DV - 3 normally for airlift of the DV pallet. The following tabular data lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Installed	10-78-01, task 01-1
Palletized Seats	Installed	NA
Center Fuselage Aerial Delivery System Rail Assembly and Roller	Raised	10-71-01, task 01-1
Ramp Aerial Delivery System Rail Assembly and Roller	Lowered	10-71-01, task 01-4
Cargo Ramp Toe Assembly	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail Assembly	Installed	10-72-01, task 01-5
Ramp Toe Tray Roller Conveyor Assembly	Installed	10-72-01, task 01-7

COMPONENT	CONFIGURE	TASK
Troop Drop System Anchor Cable Configuration	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Aeromedical Litter Station Assembly	Stowed	10-74-01, task 01-2
Center Fuselage Logistic Rail Assembly and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail Assembly and Roller	Raised	10-75-01, task 01-3
Ramp Logistic Rail Bumper Assembly	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Seat Assembly	Stowed	10-76-01, task 01-4
Aerial Delivery System Bridge Rail	Stowed	10-77-01, task 01-2
Aft Ramp Floor Edge Protector Assembly	Stowed	10-77-01, task 01-4
Cargo Aircraft Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Cargo Aerial Delivery Tie Down Assembly	Stowed	10-77-01, task 01-8
Aerial Delivery System Connecting Link and Long Link	Stowed	10-77-01, task 01-10
Distinguished Visitor Pallet	Installed	10-78-01, task 01-3
Silver Bullet Pallet Assembly	Stowed	10-79-02, task 02-2

1-45. DV - 4.

1-46. This configuration is normally for airlift of DV with nine palletized seats installed. Center fuselage ADS rails and rollers are raised. Ramp logistic rails and rollers are raised. The four ramp toes with rollers and guide rails are installed in low position. Sidewall seats are lowered.



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DV- 4 normally for airlift of DV with nine palletized seats installed. The following tabular data lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Palletized Seats	Installed	NA
Center Fuselage Aerial Delivery System Rail Assembly and Roller	Raised	10-71-01, task 01-1
Ramp Aerial Delivery System Rail Assembly and Roller	Lowered	10-71-01, task 01-4
Cargo Ramp Toe Assembly	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail Assembly	Installed	10-72-01, task 01-5
Ramp Toe Tray Roller Conveyor Assembly	Installed	10-72-01, task 01-7

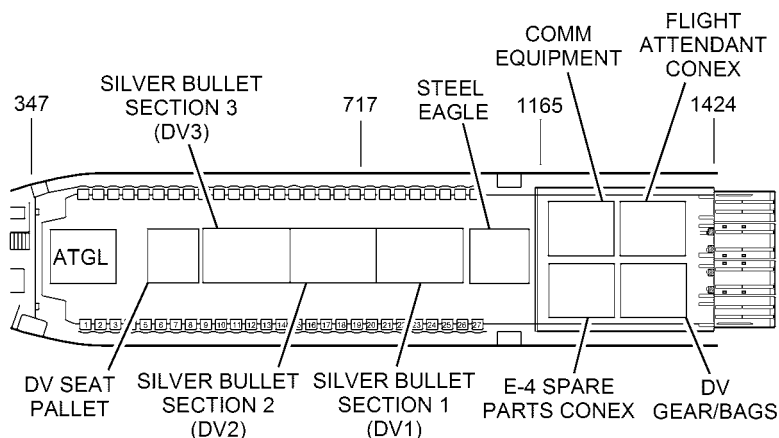
COMPONENT	CONFIGURE	TASK
Troop Drop System Anchor Cable Configuration	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Aeromedical Litter Station Assembly	Stowed	10-74-01, task 01-2
Center Fuselage Logistic Rail Assembly and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail Assembly and Roller	Raised	10-75-01, task 01-3
Ramp Logistic Rail Bumper Assembly	Stowed	10-75-01, task 01-6
Sidewall Seat	Lowered	10-76-01, task 01-1
Seat Assembly	Stowed	10-76-01, task 01-4
Aerial Delivery System Bridge Rail	Stowed	10-77-01, task 01-2
Aft Ramp Floor Edge Protector Assembly	Stowed	10-77-01, task 01-4
Cargo Aircraft Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Cargo Aerial Delivery Tie Down Assembly	Stowed	10-77-01, task 01-8
Aerial Delivery System Connecting Link and Long Link	Stowed	10-77-01, task 01-10
Distinguished Visitor Pallet	Stowed	10-78-01, task 01-4
Silver Bullet Pallet Assembly	Stowed	10-79-02, task 02-2

1-47. SILVER BULLET CONFIGURATION.

This configuration is normally for airlift of the Silver Bullet pallet.

1-48. SB - 1.

1-49. This configuration is normally for airlift of the Silver Bullet (SB) pallet. Center fuselage ADS rails and rollers are raised. Ramp ADS rails and rollers are raised for loading SB pallet then lowered. Ramp logistic rails and rollers are raised. The four ramp toes with rollers and guide rails are installed in low position. Sidewall seats are raised.



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SBC - 1 is normally for airlift of SB pallet. The following tabular data lists the component, how to configure, and task to use.

COMPONENT	CONFIGURE	TASK
Buffet Lavatory Unit	Installed	10-78-01, task 01-1
Center Fuselage Aerial Delivery System Rail and Roller	Raised	10-71-01, task 01-1
Ramp Aerial Delivery System Rail and Roller	Lowered	10-71-01, task 01-4
Ramp Toe	Installed	10-72-01, task 01-1
Ramp Toe Guide Rail	Installed	10-72-01, task 01-5
Ramp Toe Tray Roller Conveyor	Installed	10-72-01, task 01-7
Anchor Cable Equipment	Stowed	10-73-01, task 01-5, 01-7, 01-10, or 01-11
Litter Station Assembly	Stowed	10-74-01, task 01-2

COMPONENT	CONFIGURE	TASK
Center Fuselage Logistic Rail and Roller	Lowered	10-75-01, task 01-2
Ramp Logistics Rail and Roller	Raised	10-75-01, task 01-3
Ramp Logistic Rail Bumper	Stowed	10-75-01, task 01-6
Sidewall Seat	Raised	10-76-01, task 01-2
Centerline Seat	Stowed	10-76-01, task 01-4
ADS Bridge Rail	Stowed	10-77-01, task 01-2
Ramp Floor Edge Protector	Stowed	10-77-01, task 01-4
Buffer Stop Assembly	Stowed	10-77-01, task 01-6
Gate Release Assembly	Stowed	10-77-01, task 01-8
Ramp Links and Long Links	Stowed	10-77-01, task 01-10
Distinguished Visitor Kit	Installed	10-78-01, task 01-3
Silver Bullet	Installed	10-79-02, task 02-1

SECTION 2

PLATFORMS AND PALLETS SYSTEM
AERIAL DELIVERY SYSTEM RAIL
ASSEMBLY AND ROLLER CONFIGURATION
(10-71-01)

GENERAL MAINTENANCE INPUT CONDITIONS:

Applicability:	Task
All	All

Additional information:

This procedure consists of the following tasks:

- 01-1. Configure center fuselage aerial delivery system rail assembly and roller to raised position.
- 01-2. Configure center fuselage aerial delivery system rail assembly and roller to lowered position.
- 01-3. Configure ramp aerial delivery system rail assembly and roller to raised position.
- 01-4. Configure ramp aerial delivery system rail assembly and roller to lowered position.
- 01-5. Install enhanced container vertical restraint for rail assembly.
- 01-6. Stow enhanced container vertical restraint for rail assembly.

NOTE Task

The Aerial Delivery System (ADS) Elevation and Retraction Tool, ADS Rail, Short P/N 17P9G3510-511 is used to configure ADS rail assembly when access is limited. The Aerial Delivery System (ADS) Elevation and Retraction Tool, ADS Rail, Long P/N 17P9G3510-509 is used when access is not limited.

All

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Additional data:	
	Task
TO 1300i-2-41JG-10-1	01-5, 01-6

Personnel recommended:	
	Task
One	All

Safety conditions:	
	Task
NA	--

Support equipment:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Elevation and Retraction Tool, ADS Rail, Long	17P9G3510-509	--	1	01-1, 01-2, 01-3, 01-4
Elevation and Retraction Tool, ADS Rail, Short	17P9G3510-511	--	1	01-1, 01-2, 01-3, 01-4

Supplies:

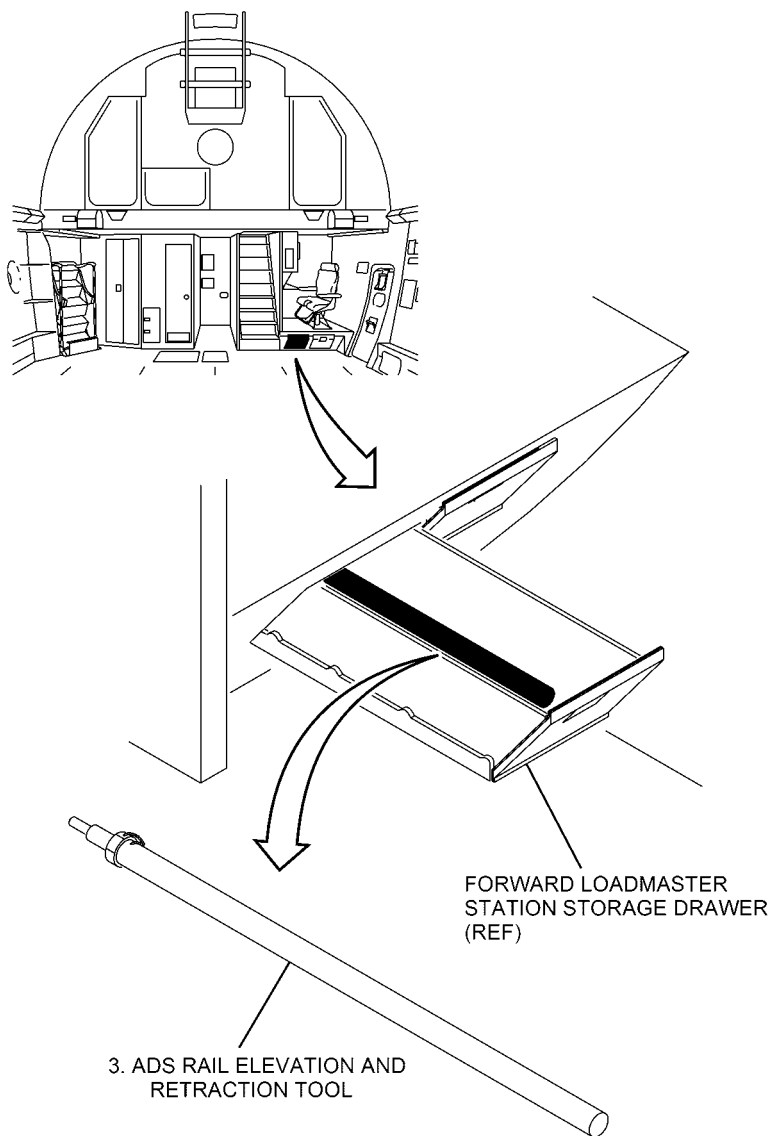
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

**01-1. CONFIGURE CENTER FUSELAGE AERIAL
DELIVERY SYSTEM RAIL ASSEMBLY AND
ROLLER TO RAISED POSITION.**

NOTE

This is a typical task to configure all center fuselage Aerial Delivery System (ADS) rail assemblies and rollers to raised position.

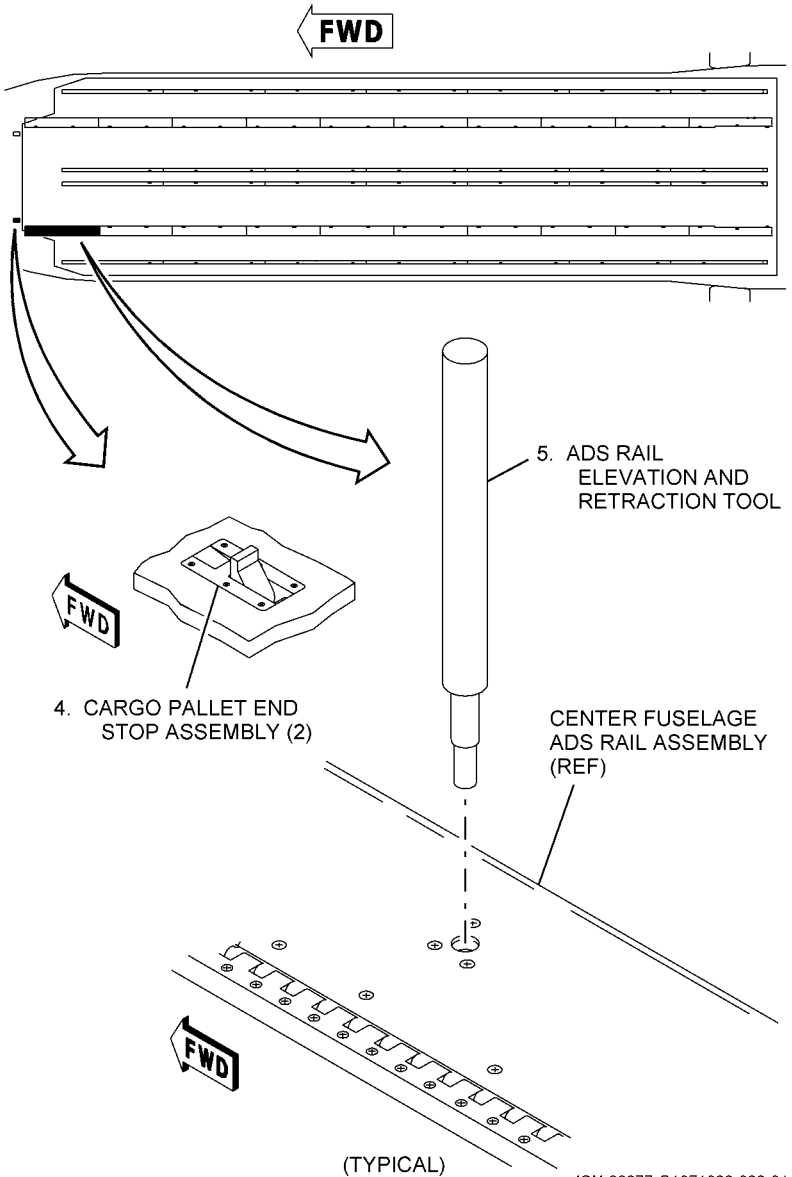
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Remove ADS rail elevation and retraction tool from forward Loadmaster Station (LMS) storage drawer.



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TO 1300i-2-10JG-70-1

4. Raise cargo pallet end stop assemblies.
5. Insert ADS rail elevation and retraction tool in center fuselage ADS rail assembly and raise rail assembly.

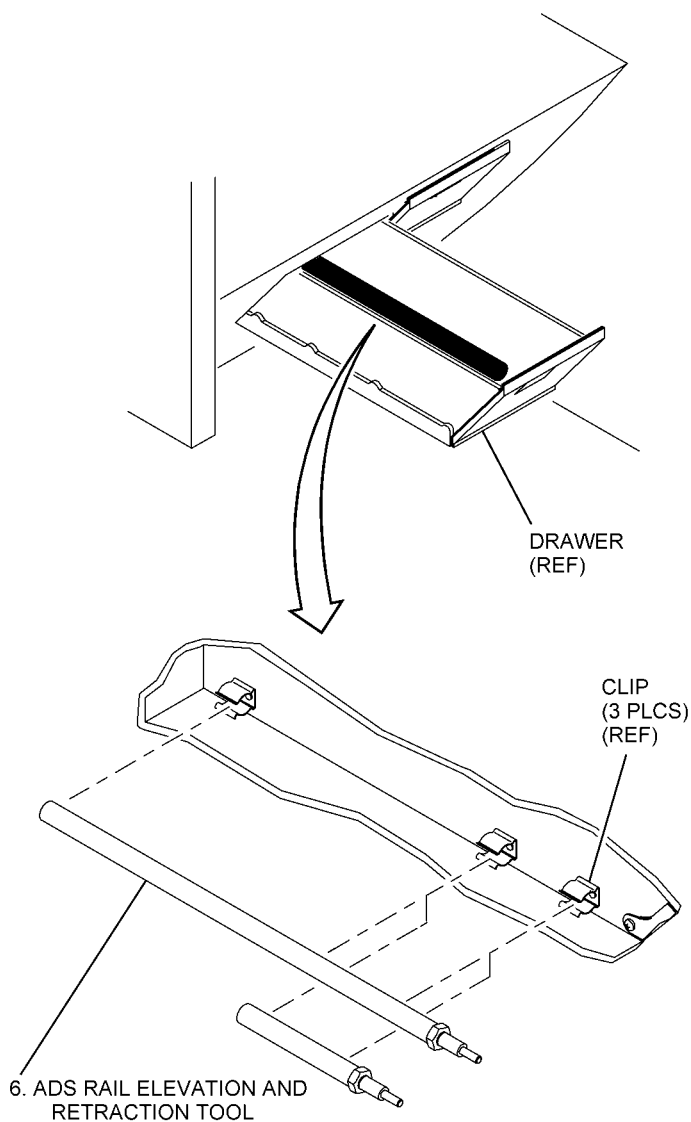


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Ensure ADS rail elevation and retraction tool is properly stowed in the clips in LMS drawer. Failure to comply may cause damage to the aircraft.

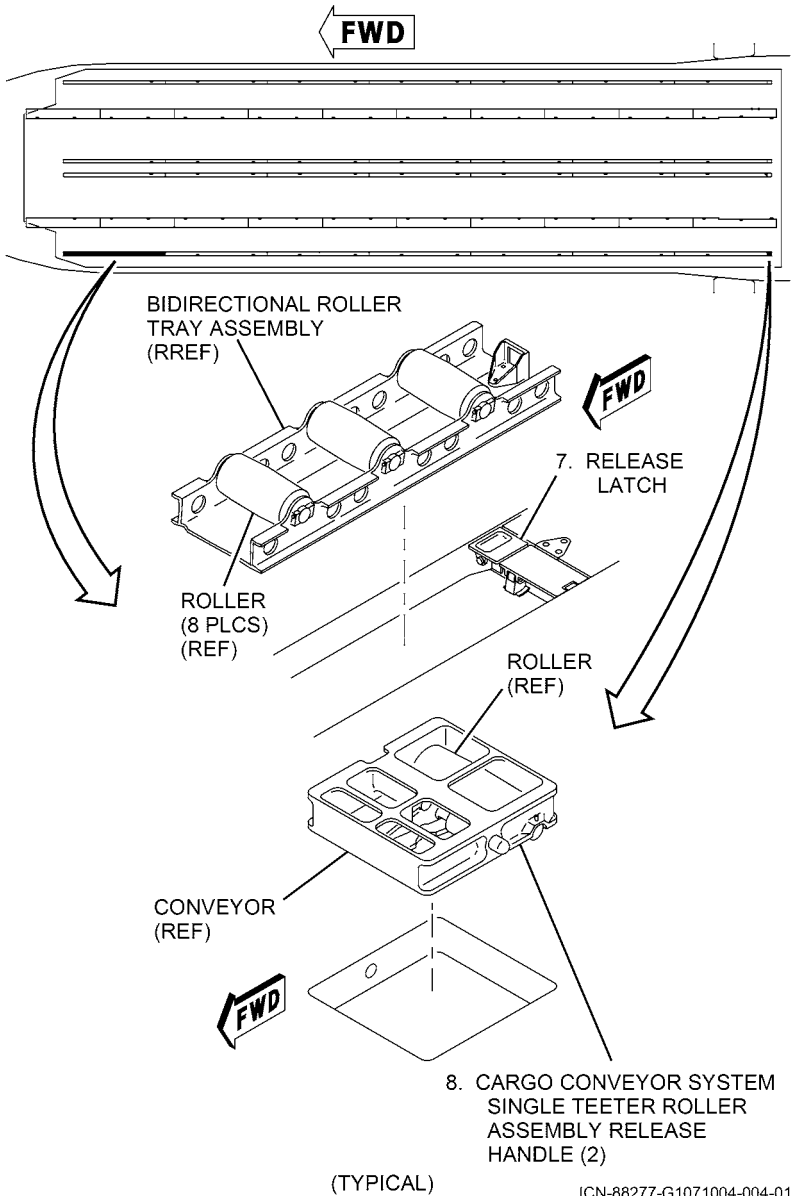
6. Stow ADS rail elevation and retraction tool into clips in LMS drawer.



ICN-88277-G1071003-005-01

TO 1300i-2-10JG-70-1

7. Press release latch; remove bidirectional roller tray assembly and install with rollers up.
8. Squeeze cargo conveyor system single teeter roller assembly release handles together; remove conveyor and install with roller up.

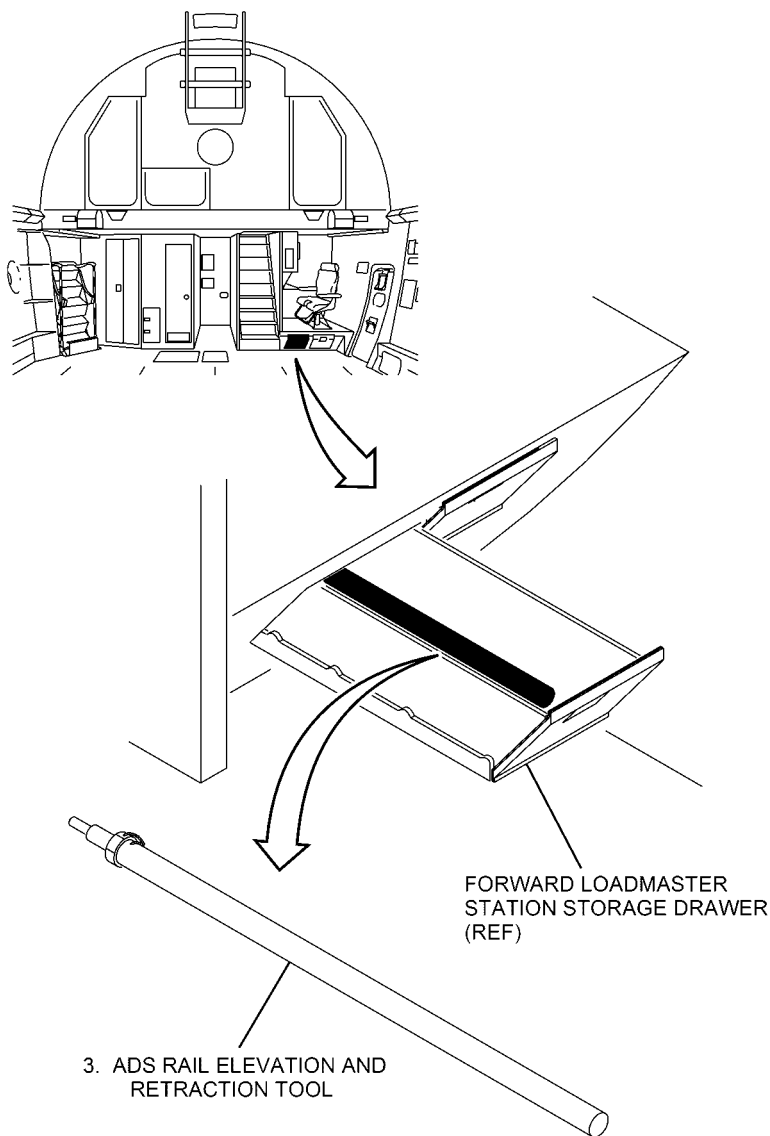


**01-2. CONFIGURE CENTER FUSELAGE AERIAL
DELIVERY SYSTEM RAIL ASSEMBLY AND
ROLLER TO LOWERED POSITION.**

NOTE

This is a typical task to configure all center fuselage Aerial Delivery System (ADS) rail assemblies and rollers to lowered position.

1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Remove ADS rail elevation and retraction tool from forward Loadmaster Station (LMS) storage drawer.



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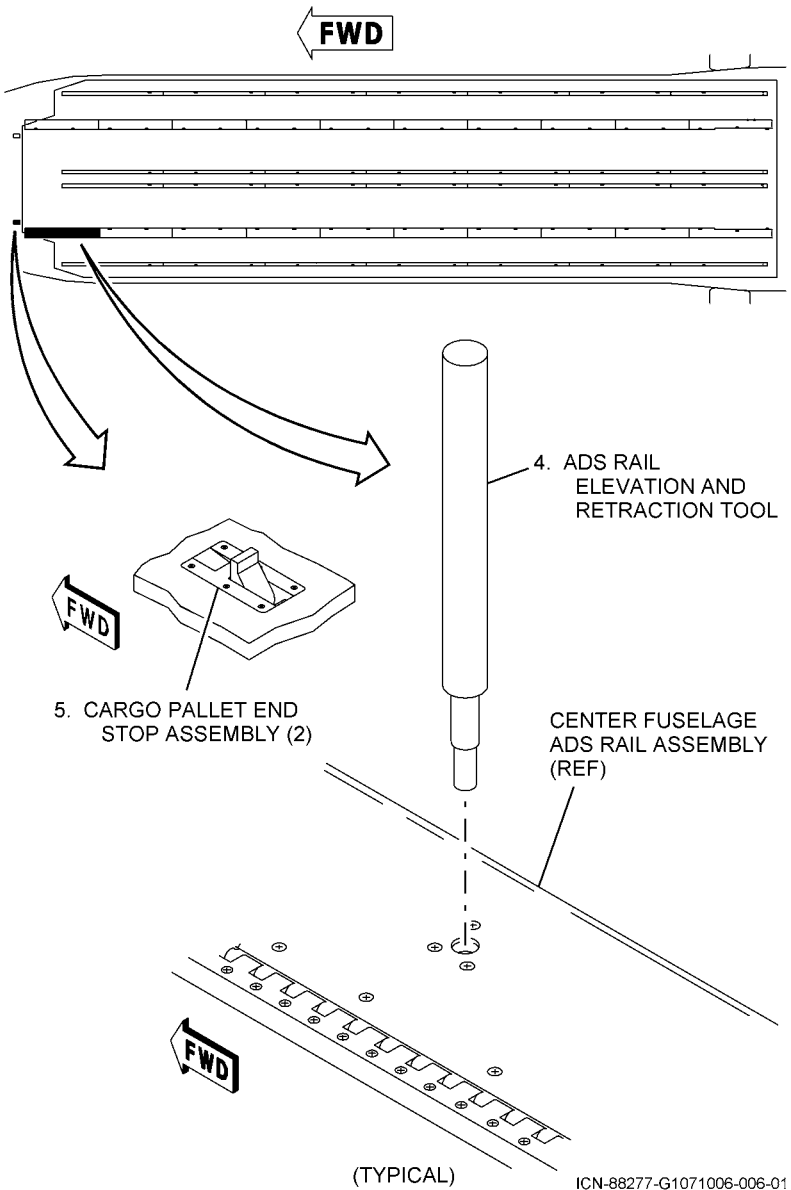
WARNING

Ensure all personnel and equipment are clear prior to lowering rail assembly. Failure to comply may cause injury to personnel and damage to aircraft.

NOTE

When lowering ADS rail assemblies tool must be inserted into smaller hole.

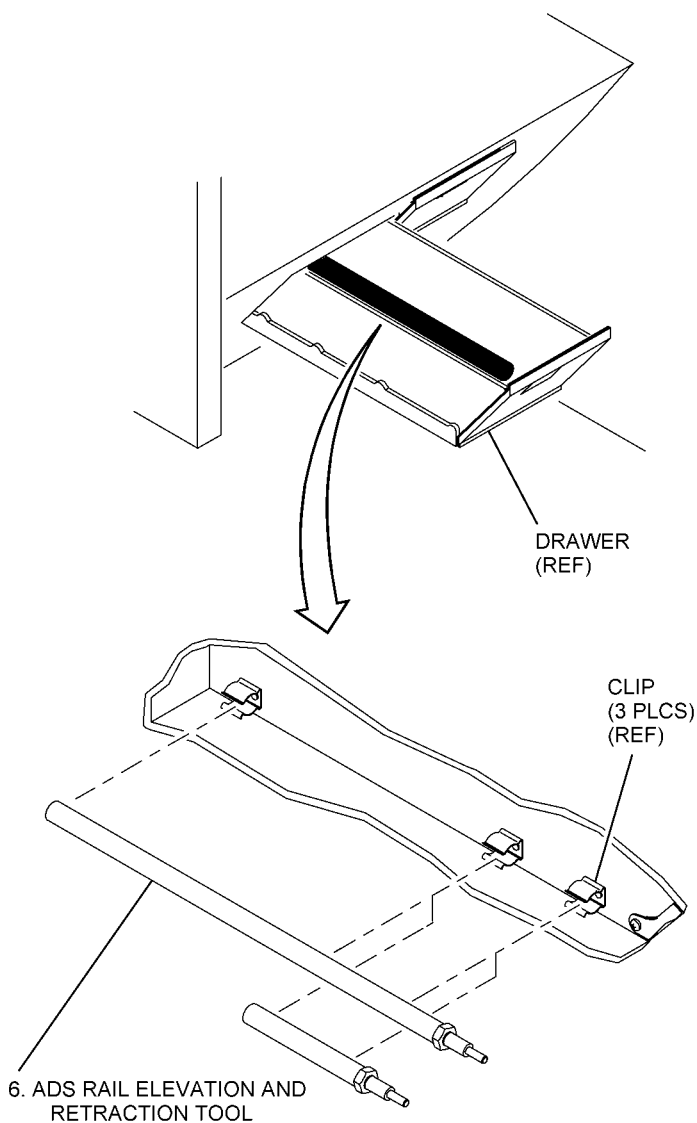
4. Insert ADS rail elevation and retraction tool in center fuselage ADS rail assembly and lower to stowed position.
5. Lower cargo pallet end stop assemblies.





Ensure ADS rail elevation and retraction tool is properly stowed in the clips in LMS drawer. Failure to comply may cause damage to the aircraft.

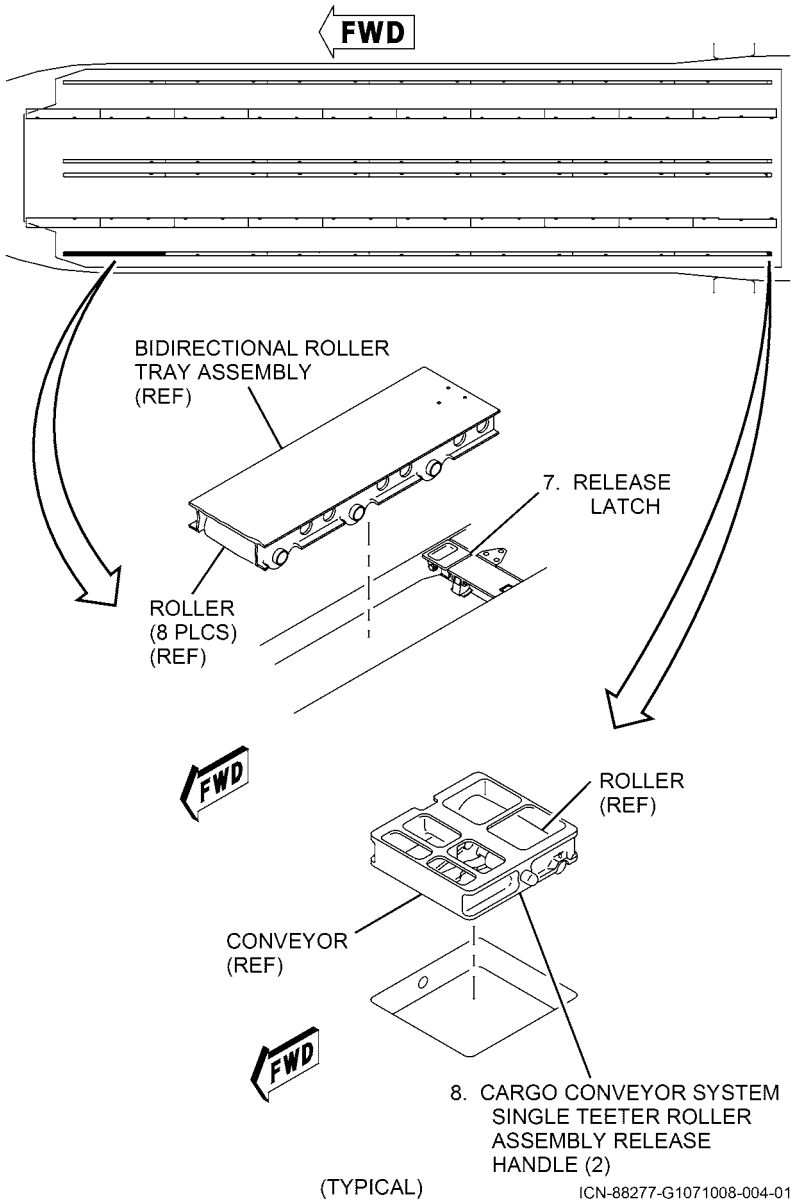
6. Stow ADS rail elevation and retraction tool into clips in LMS storage drawer.



ICN-88277-G1071007-005-01

TO 1300i-2-10JG-70-1

7. Press release latch; remove bidirectional roller tray assembly and install with rollers down.
8. Squeeze cargo conveyor system single teeter roller assembly release handles together; remove conveyor and install with roller down.

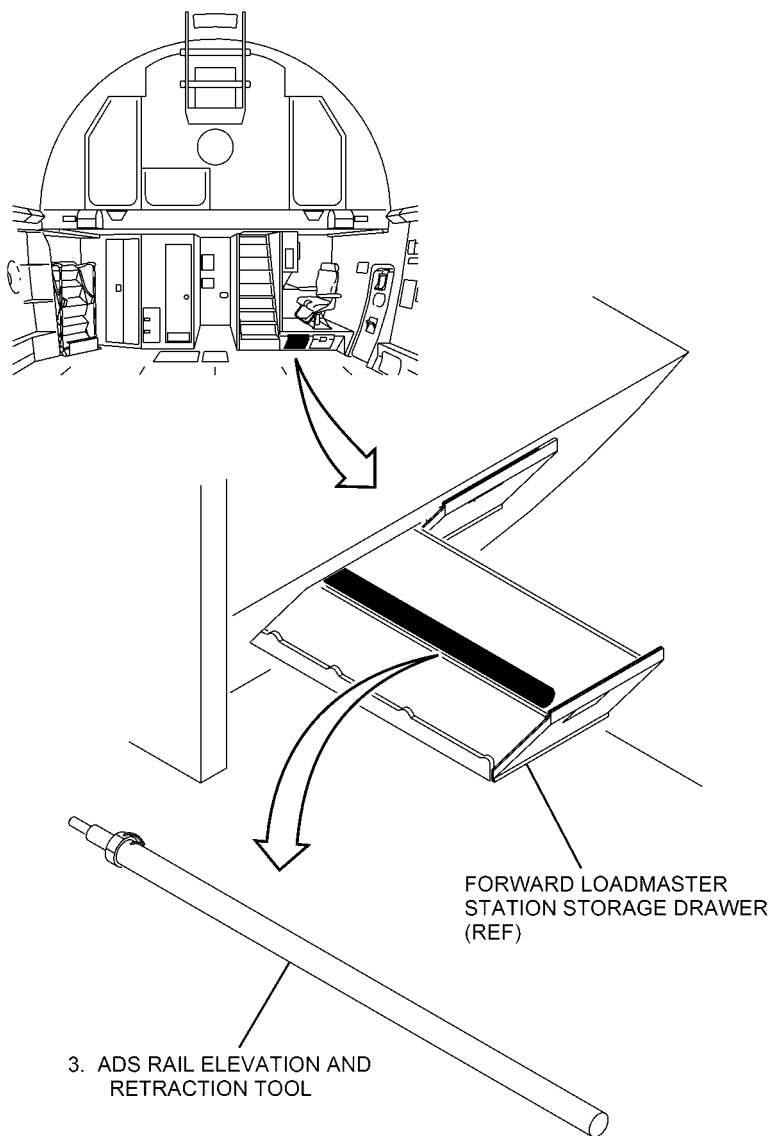


**01-3. CONFIGURE RAMP AERIAL DELIVERY
SYSTEM RAIL ASSEMBLY AND ROLLER TO
RAISED POSITION.**

NOTE

This is a typical task to configure all ramp Aerial Delivery System (ADS) rail assemblies and rollers to raised position.

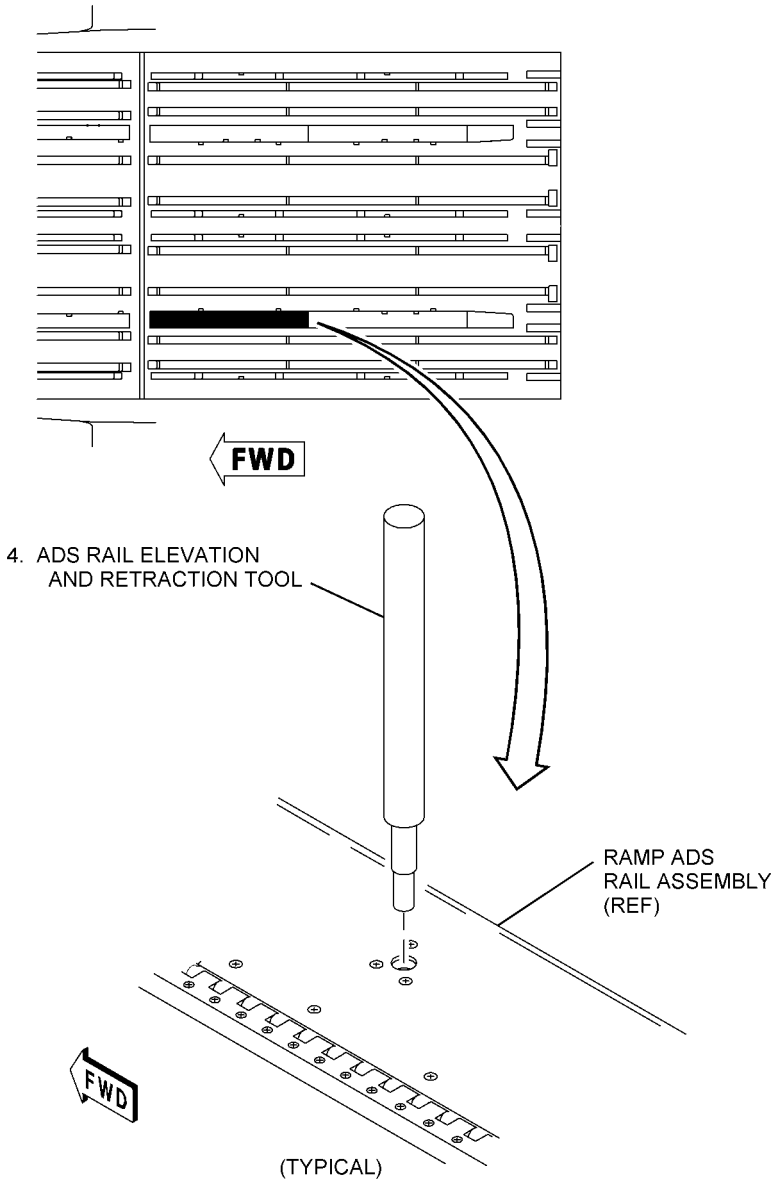
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Remove ADS rail elevation and retraction tool from forward Loadmaster Station (LMS) storage drawer.



ICN-88277-G1071009-003-01

TO 1300i-2-10JG-70-1

4. Insert ADS rail elevation and retraction tool in ramp ADS rail assembly and raise rail assembly.

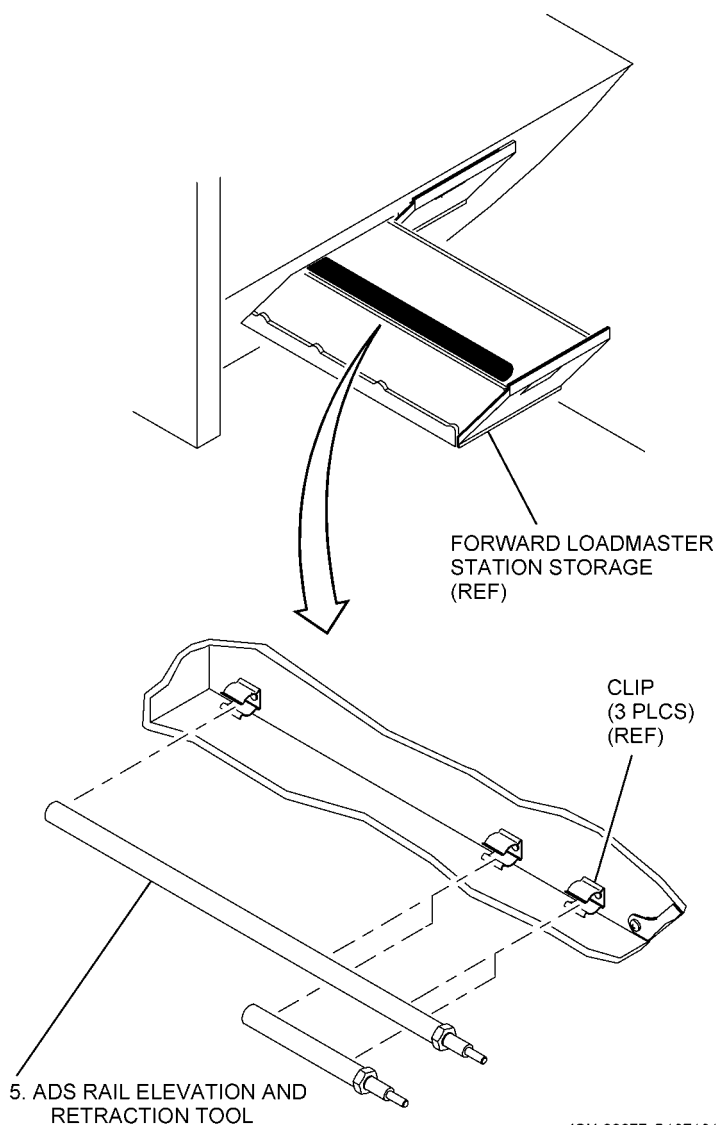


ICN-88277-G1071024-005-01



Ensure ADS rail elevation and retraction tool is properly stowed in the clips in LMS drawer. Failure to comply may cause damage to the aircraft.

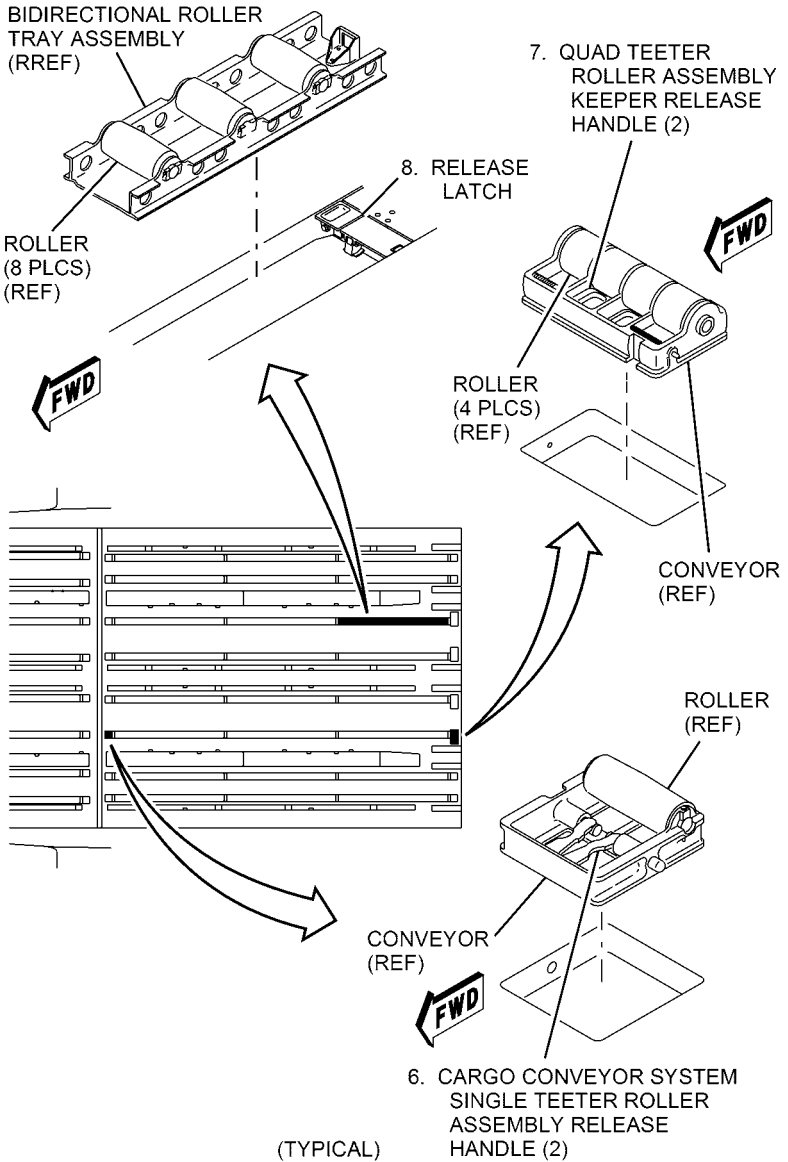
5. Stow ADS rail elevation and retraction tool in clips in LMS storage drawer.



ICN-88277-G1071011-005-01

TO 1300i-2-10JG-70-1

6. Squeeze cargo conveyor system single teeter roller assembly release handles together; remove conveyor and install with roller up.
7. Squeeze quad teeter roller assembly keeper release handles together; remove conveyor and install with rollers up.
8. Press release latch assembly; remove bidirectional roller tray assembly and install with rollers up.



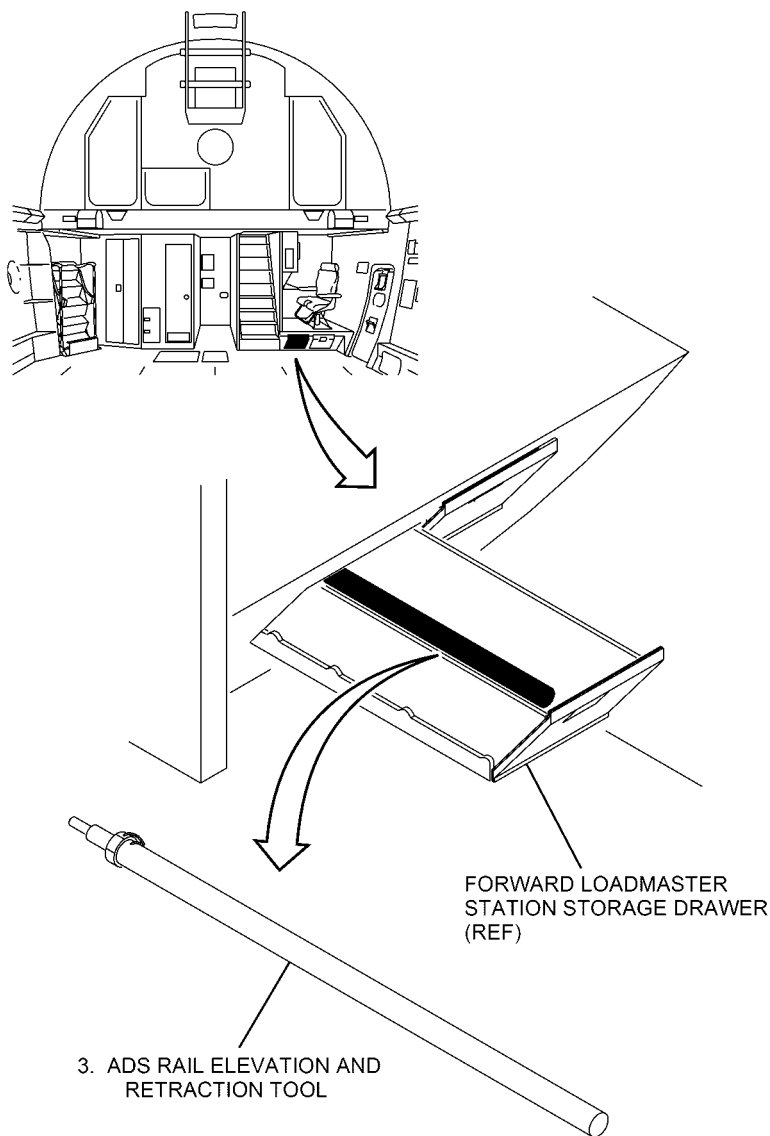
ICN-88277-G1071012-003-01

**01-4. CONFIGURE RAMP AERIAL DELIVERY
SYSTEM RAIL ASSEMBLY AND ROLLER TO
LOWERED POSITION.**

NOTE

The Aerial Delivery System (ADS) Elevation and Retraction Tool, ADS Rail, Short P/N 17P9G3510-511 is used to configure ADS rail assembly when access is limited. The Aerial Delivery System (ADS) Elevation and Retraction Tool, ADS Rail, Long P/N 17P9G3510-509 is used when access is not limited.

1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Remove ADS rail elevation and retraction tool from forward Loadmaster Station (LMS) storage drawer.



ICN-88277-G1071013-003-01

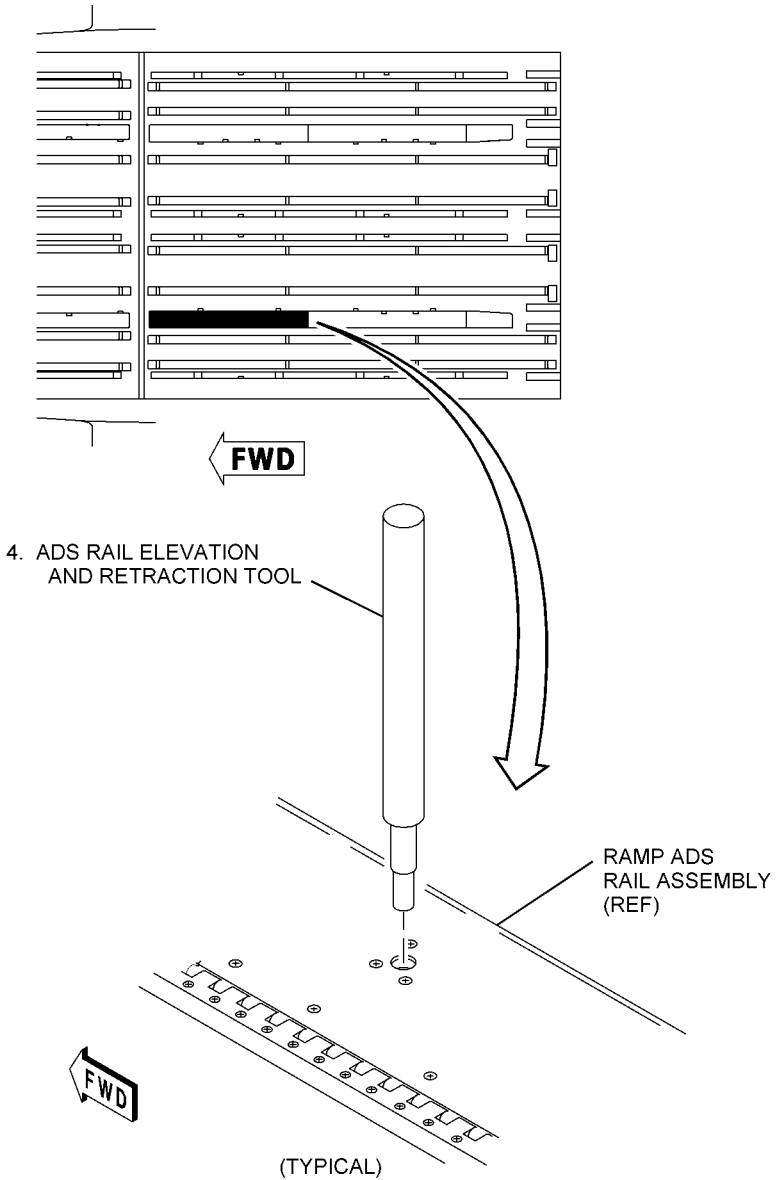
WARNING

Ensure all personnel and equipment are clear prior to lowering rail assembly. Failure to comply may cause injury to personnel and damage to aircraft.

NOTE

When lowering ADS rail assemblies tool must be inserted into smaller hole.

4. Insert ADS rail elevation and retraction tool in center fuselage ramp ADS rail assembly and lower to stowed position.

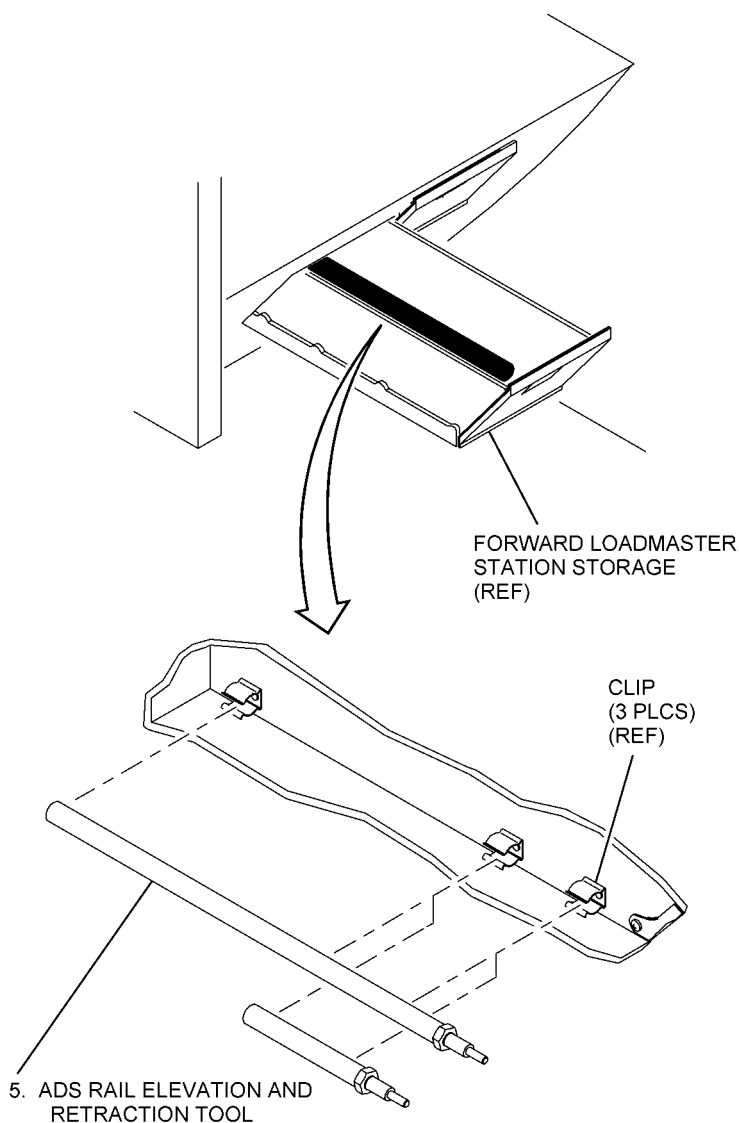


ICN-88277-G1071014-004-01



Ensure ADS rail elevation and retraction tool is properly stowed in the clips in LMS drawer. Failure to comply may cause damage to the aircraft.

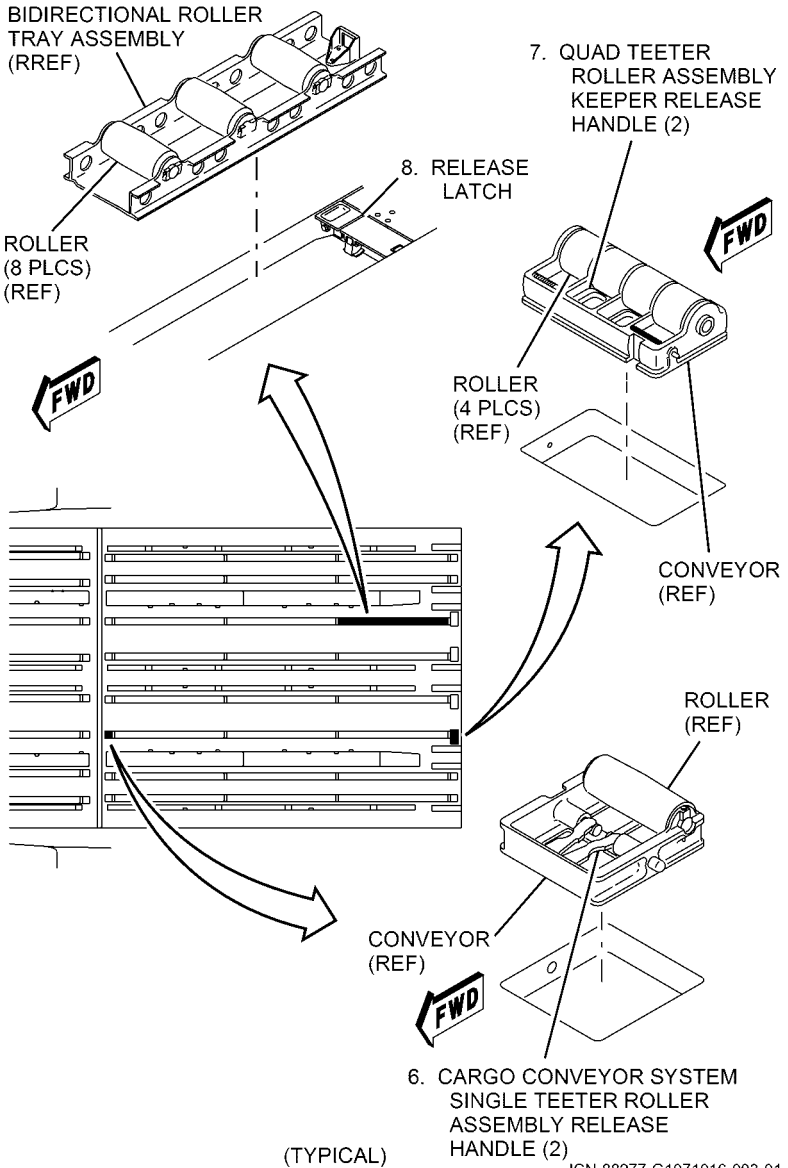
5. Stow ADS rail elevation and retraction tool ADS Rail, in clips in LMS storage drawer.



ICN-88277-G1071015-005-01

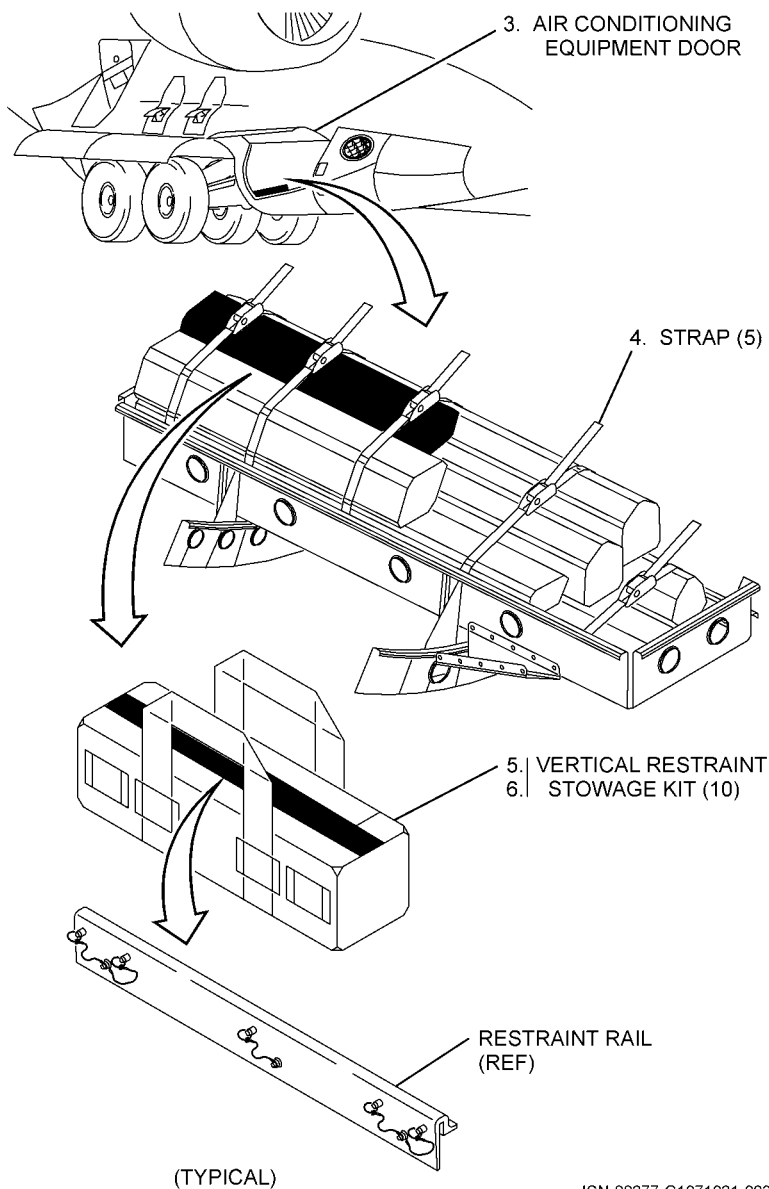
TO 1300i-2-10JG-70-1

6. Squeeze cargo conveyor system single teeter roller assembly release handles together; remove conveyor and install with roller down.
7. Squeeze quad teeter roller keeper assembly release handles together; remove conveyor and install with rollers down.
8. Press release latch assembly; remove bidirectional roller tray assembly and install with rollers down.



**01-5. INSTALL ENHANCED CONTAINER
VERTICAL RESTRAINT FOR RAIL
ASSEMBLY.**

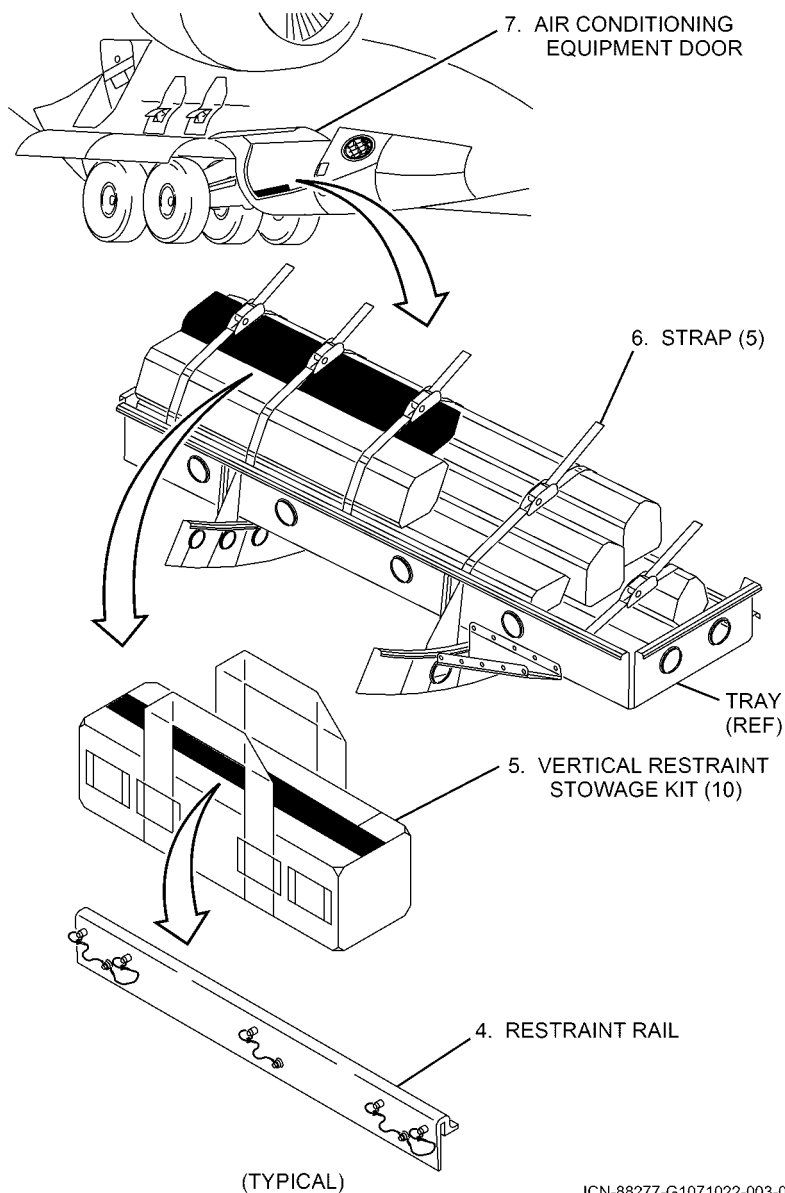
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Unlatch and open air conditioning equipment door (181FRD).
4. Loosen straps.
5. Remove vertical restraint stowage kits.
6. Open vertical restraint stowage kit and remove restraint rail.
7. Perform enhanced container vertical restraint rail removal/Installation (41-10-01, task 01-2).



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01-6. STOW ENHANCED CONTAINER VERTICAL RESTRAINT FOR RAIL ASSEMBLY.

1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Perform enhanced container vertical restraint rail removal/installation (41-10-01, task 01-1).
4. Install enhanced container vertical restraint rail in vertical restraint stowage kit.
5. Close vertical restraint stowage kit and position in tray.
6. Tighten straps.
7. Close and latch air conditioning equipment door (181FRD).



ICN-88277-G1071022-003-01

ROLLING STOCK SYSTEM CARGO RAMP TOE ASSEMBLY CONFIGURATION (10-72-01)

GENERAL MAINTENANCE INPUT CONDITIONS:

Applicability:

	Task
All	01-1, 01-2, 01-5, 01-6, 01-7, 01-8
⬡AA⬡ → ⬡CN⬡	01-3, 01-4

Additional information:

This procedure consists of the following tasks:

- 01-1. Install cargo ramp toe assembly.
- 01-2. Stow cargo ramp toe assembly.
- 01-3. Install ramp door step assembly ⬡AA⬡ → ⬡CN⬡.
- 01-4. Stow ramp door step assembly ⬡AA⬡ → ⬡CN⬡.
- 01-5. Install ramp toe guide rail assembly.
- 01-6. Stow ramp toe guide rail assembly.
- 01-7. Install ramp toe tray roller conveyor assembly.
- 01-8. Stow ramp toe tray roller conveyor assembly.

Additional data:

	Task
TO 1300i-2-52JG-30-1	01-1, 01-2, 01-3, 01-4

Personnel recommended:

	Task
One	All

Safety conditions:

NA

Task

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Support equipment:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

Supplies:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
NA	--	--	--	--

01-1. INSTALL CARGO RAMP TOE ASSEMBLY.

NOTE

This is a typical task to install all cargo ramp toe assemblies.

1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Perform cargo ramp toe assembly installation (52-32-13, task 3-2).

01-2. STOW CARGO RAMP TOE ASSEMBLY.

NOTE

This is a typical task to stow all cargo ramp toe assemblies.

1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Perform cargo ramp toe assembly removal (52-32-13, task 2-2).