

7. —

INDEX NO.	DOOR	DOOR NO.
1	UPPER	181CRD
2	LOWER	181DRD

ICN-88277-G1062002-003-01

EXTERNAL HYDRAULIC POWER (10-63-01)

GENERAL MAINTENANCE INPUT CONDITIONS:

Applicability:

All

Task

All

Additional information:

This procedure consists of the following tasks:

- 01-1. Preparation for system 1 and 4.
- 01-2. Preparation for system 2 or 3.
- 01-3. Connect hydraulic test stand.
- 01-4. Disconnect for system 1 and 4.
- 01-5. Disconnect for system 2 and 3.
- 01-6. Follow-on maintenance for system 1 and 4.
- 01-7. Follow-on maintenance for system 2 and 3.

Additional data:

TO 1300i-2-12JG-29-1

Task

01-2,
01-5,
01-7

TO 33A2-2-27-31

01-3

TO 33A2-2-63-1

01-3

TO 33A2-2-110-1

01-3

TO 33A2-2-111-1

01-3

Personnel recommended:

One

Task

All

Safety conditions:

Task

WARNING

- Hydraulically actuated components, including flight control surfaces, shall be clear of personnel and support equipment prior to applying hydraulic pressure or flow. Components and surfaces may move with pressure application. Failure to comply may cause injury to personnel or damage to aircraft.

All
- The gust damper accumulator system maintains hydraulic pressure on systems 2 and 3 to prevent wind induced movement and subsequent control surface damage. As a result of this maintained system pressure, maintenance personnel shall relieve accumulator precharge pressure prior to performing maintenance on systems 2 and 3 in accordance with TO 1300i-2-29GS-00-1, Chapter 2. Failure to comply may cause injury to personnel and damage to aircraft.

01-2,
01-5
- The use of personal protective equipment is mandatory to perform this procedure. The applicable Safety Data Sheet (SDS) will identify special protection information. Failure to comply may cause injury to personnel.

01-3

CAUTION

- Hydraulic test stand shall be serviced with MIL-H-83282 hydraulic fluid. Using a test stand with other than MIL-H-83282 fluid may result in system contamination and failure. Failure to comply may cause damage to aircraft.

01-3

**- Continued**

- Hydraulic test stand hoses shall be used in specific pairs. Test stands have two pressure systems with specific pressure and return hoses for each system. Mixing the hoses between systems may cause damage to hoses, aircraft component failure or damage to aircraft.

01-3

Support equipment:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Generator Set, Diesel	8126369-90	--	1	01-3
Test Stand, Hydraulic Diesel	101197-100	--	1	01-3
Test Stand, Hydraulic, Diesel	9780-0095	--	1	01-3
Test Stand, Hydraulic, Diesel	87025-100	--	1	01-3
Test Stand, Hydraulic, Diesel	88043-100	--	1	01-3
Test Stand, Hydraulic, Diesel	88043-1001	--	1	01-3
Test Stand, Hydraulic, Diesel, 4000 psi	87025-100 MOD-1	--	1	01-3
Test Stand, Hydraulic Electric	101198-100	--	1	01-3
Test Stand, Hydraulic, Electric,	PD07WRGBZOENF10/ TYPE2E	--	1	01-3

Supplies:

Nomenclature

PN

Specification

Qty

Task

Fluid, Hydraulic

--

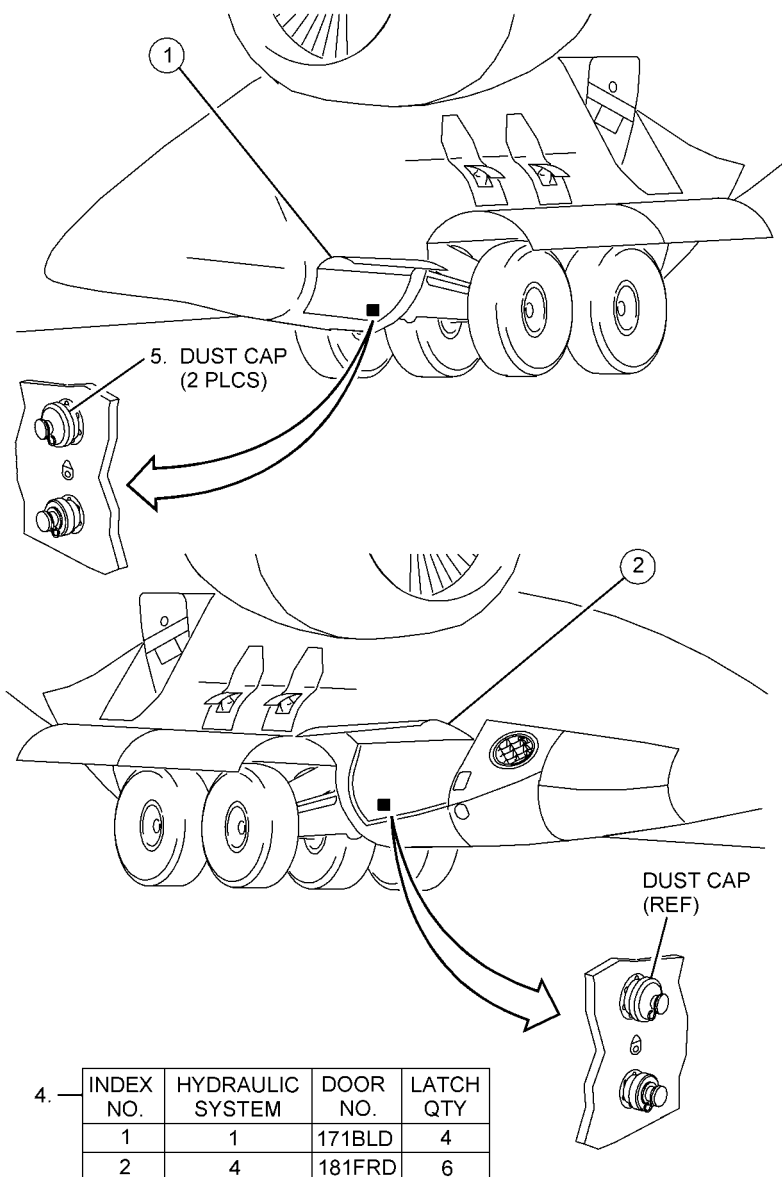
MIL-H-82382

AR

01-7

01-1. PREPARATION FOR SYSTEM 1 AND 4.

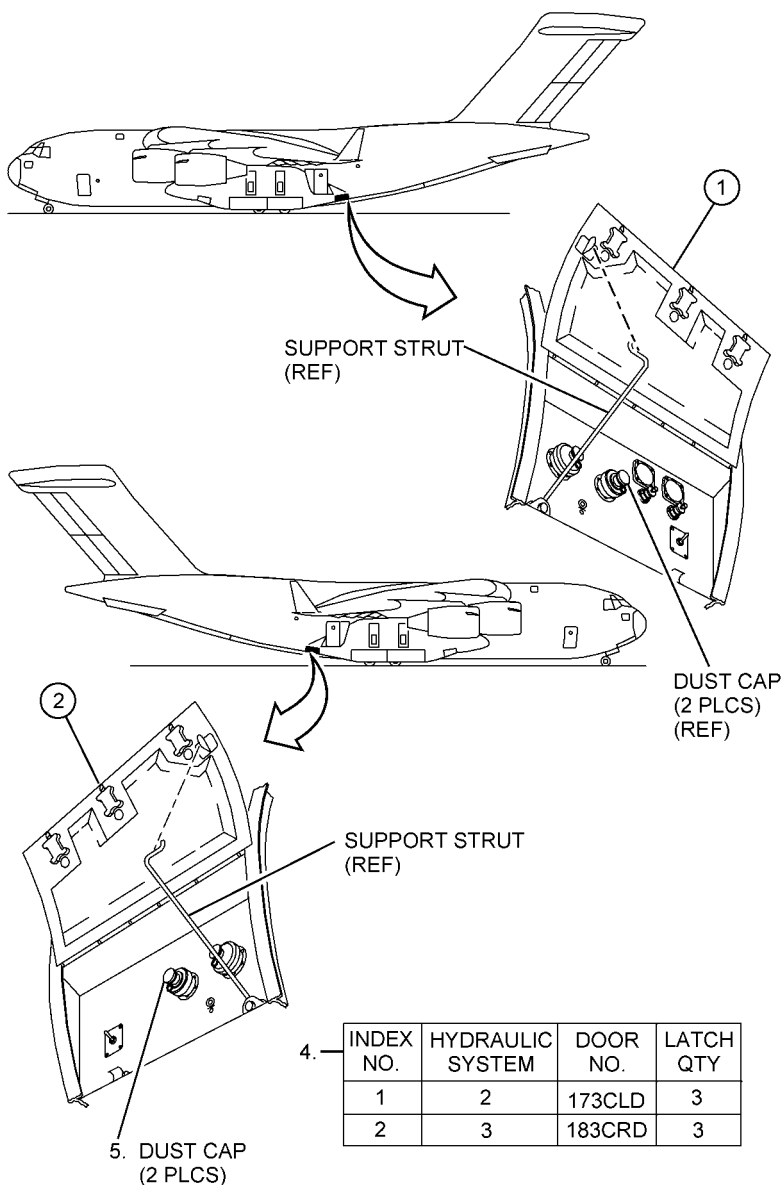
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Connect external electrical power (10-61-01, task 01-1).
4. Unlatch and open access door.
5. Remove dust caps.



ICN-88277-G1063010-002-01

01-2. PREPARATION FOR SYSTEM 2 OR 3.

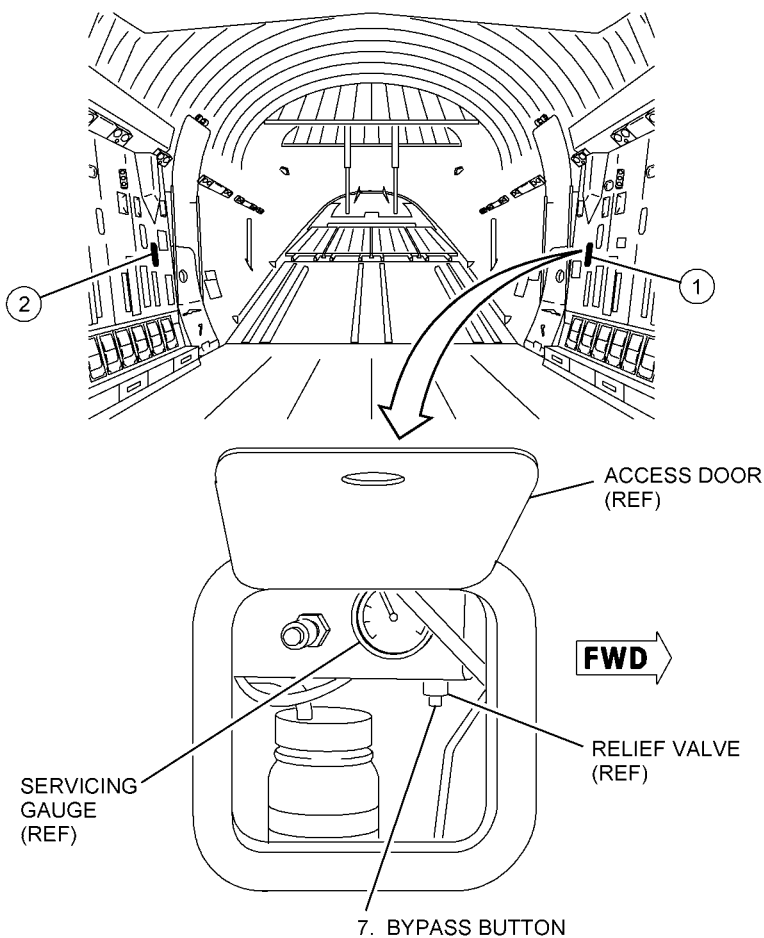
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Connect external electrical power (10-61-01, task 01-1).
4. Unlatch and open access door; install support strut.
5. Remove dust caps.



ICN-88277-G1063011-002-01

TO 1300i-2-10JG-60-1

6. Open access door.
7. Press bypass button on hydraulic system relief valve until servicing gauge stops decreasing.
 - Servicing gauge reads nitrogen precharge (TO 1300i-2-12JG-29-1, 12-29-00, para 1-21).



6.

INDEX NO.	HYDRAULIC SYSTEM	ACCESS DOOR NO.
1	2	265TZM(AT)
2	3	266TZM(AT)

ICN-88277-G1063012-003-01

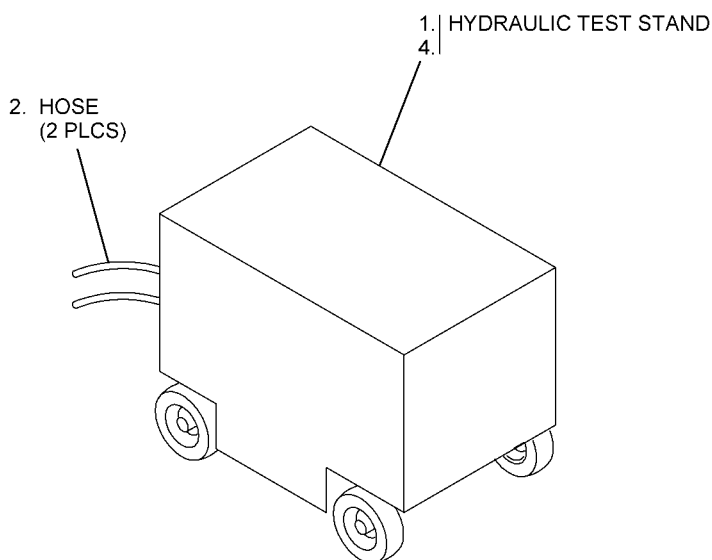
01-3. CONNECT HYDRAULIC TEST STAND.

1. Position hydraulic test stand.
2. Extend hoses from test stand to ground service panel for system to be pressurized.

NOTE

When using electrical hydraulic test stand (PN 101198-100) and diesel hydraulic test stand (PN 101197-100) with system purification capabilities refer to TO 33A2-2-110-1 and TO 33A2-2-111-1.

3. Perform hydraulic test stand operation (Closed Loop) (TO 33A2-2-27-31 or TO 33A2-2-63-1).
4. Set hydraulic test stand reservoir selector valve to aircraft.

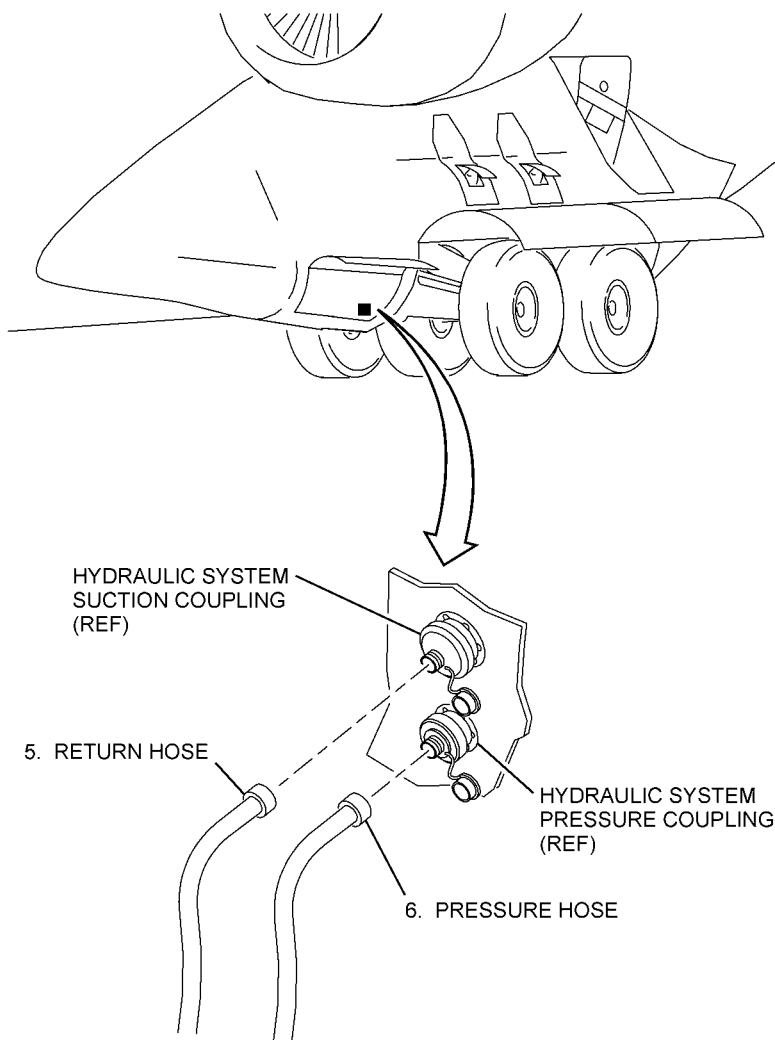


(TYPICAL)

ICN-88277-G1063013-004-01

TO 1300i-2-10JG-60-1

5. Connect return hose to hydraulic system suction coupling.
6. Connect pressure hose to hydraulic system pressure coupling.

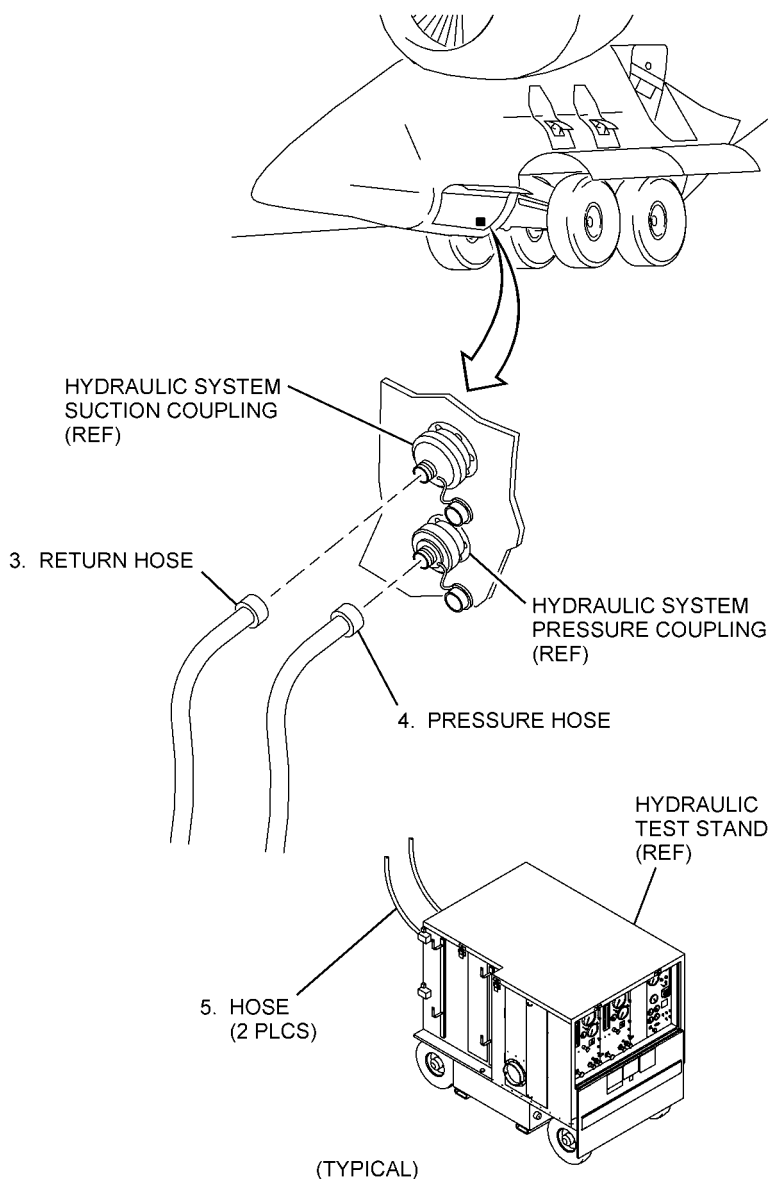


(TYPICAL)

ICN-88277-G1063028-003-01

01-4. DISCONNECT FOR SYSTEM 1 AND 4.

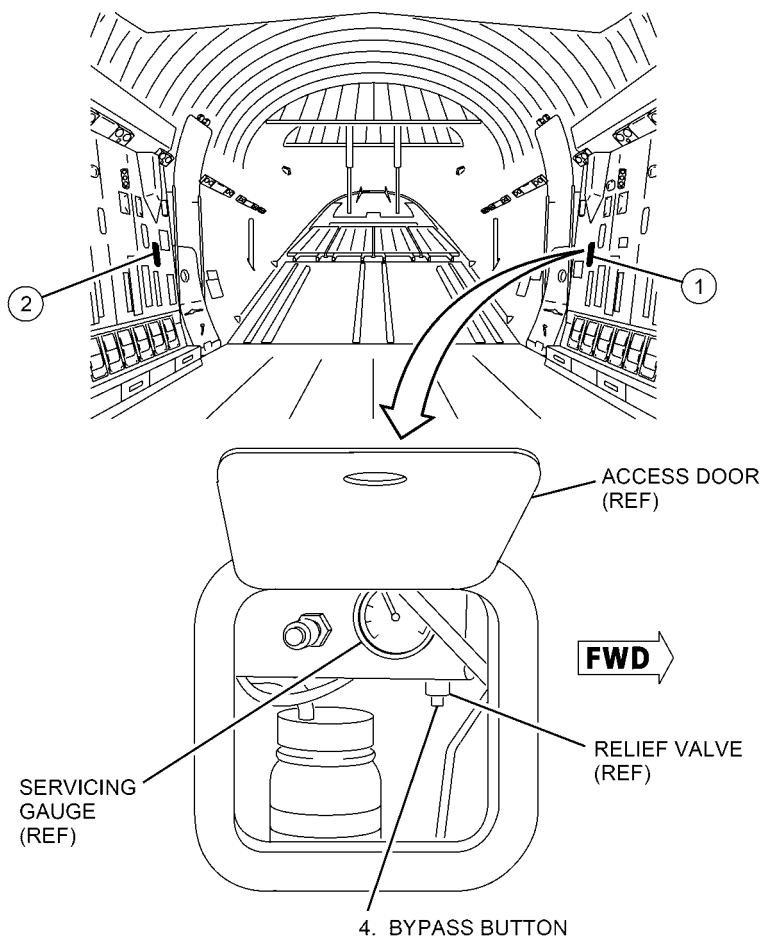
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Disconnect return hose from hydraulic system suction coupling.
4. Disconnect pressure hose from hydraulic system pressure coupling.
5. Stow hoses on hydraulic test stand.
6. Perform follow-on maintenance for system 1 and 4 (task 01-6).



ICN-88277-G1063017-003-01

01-5. DISCONNECT FOR SYSTEM 2 AND 3.

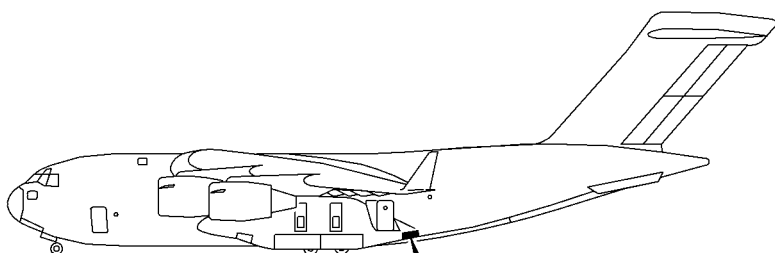
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
3. Open access door.
4. Press bypass button on hydraulic system relief valve until servicing gauge stops decreasing.
 - Servicing gauge reads nitrogen precharge (TO 1300i-2-12JG-29-1, 12-29-00, para 1-21).



ICN-88277-G1063018-005-01

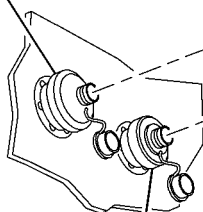
TO 1300i-2-10JG-60-1

5. Disconnect return hose from hydraulic system suction coupling.
6. Disconnect pressure hose from hydraulic system pressure coupling.
7. Stow hoses on hydraulic test stand.
8. Perform follow-on maintenance for system 2 and 3 (task 01-7).



HYDRAULIC SYSTEM
SUCTION COUPLING
(REF)

5. RETURN HOSE

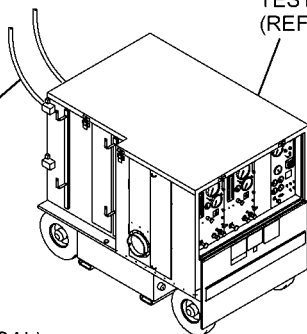


6. PRESSURE HOSE

HYDRAULIC SYSTEM
PRESSURE COUPLING
(REF)

7. HOSE
(2 PLCS)

HYDRAULIC
TEST STAND
(REF)

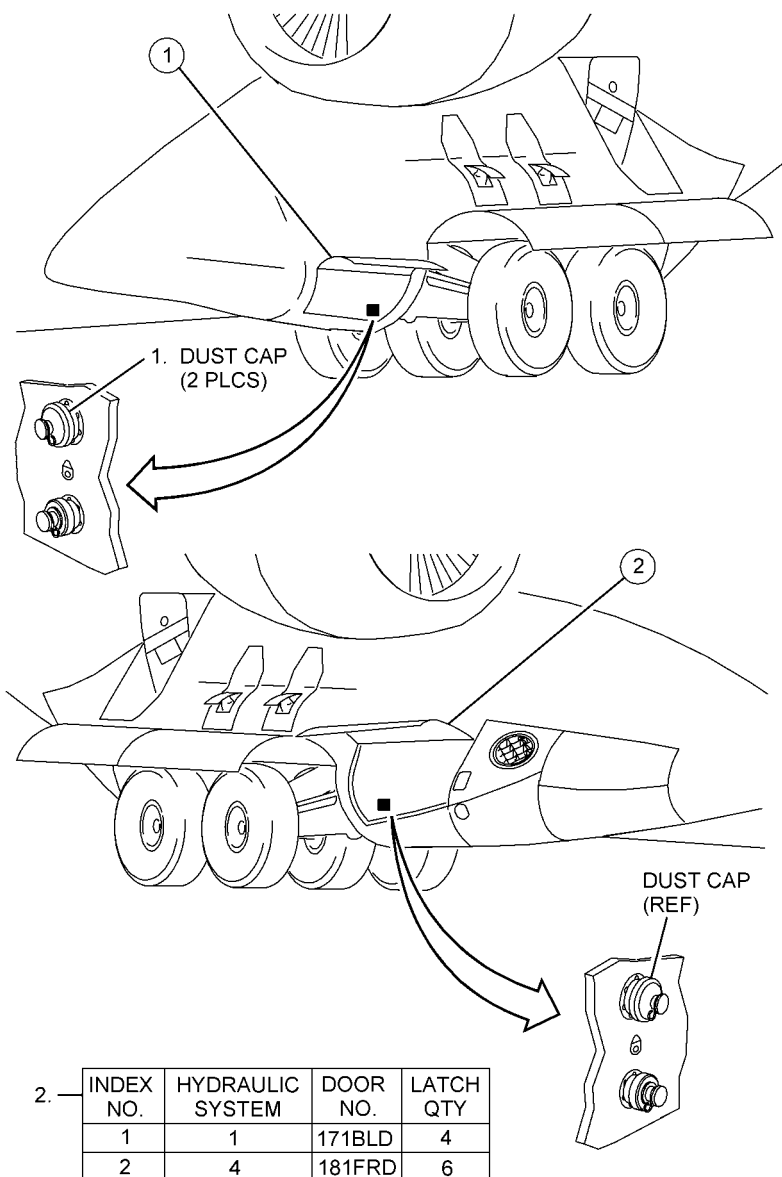


(TYPICAL)

ICN-88277-G1063019-002-01

**01-6. FOLLOW-ON MAINTENANCE FOR SYSTEM
1 AND 4.**

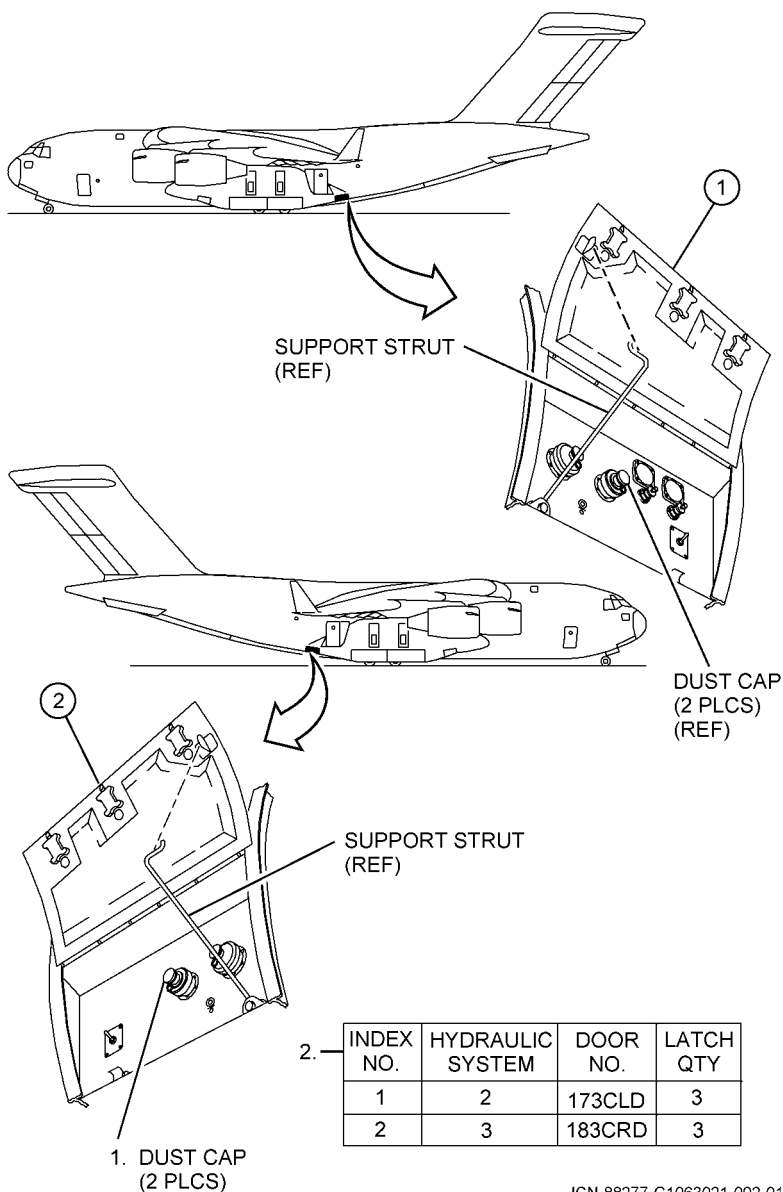
1. Install dust caps.
2. Close and latch access door.
3. Disconnect external electrical power (10-61-01, task 01-2).



ICN-88277-G1063027-002-01

**01-7. FOLLOW-ON MAINTENANCE FOR SYSTEM
2 AND 3.**

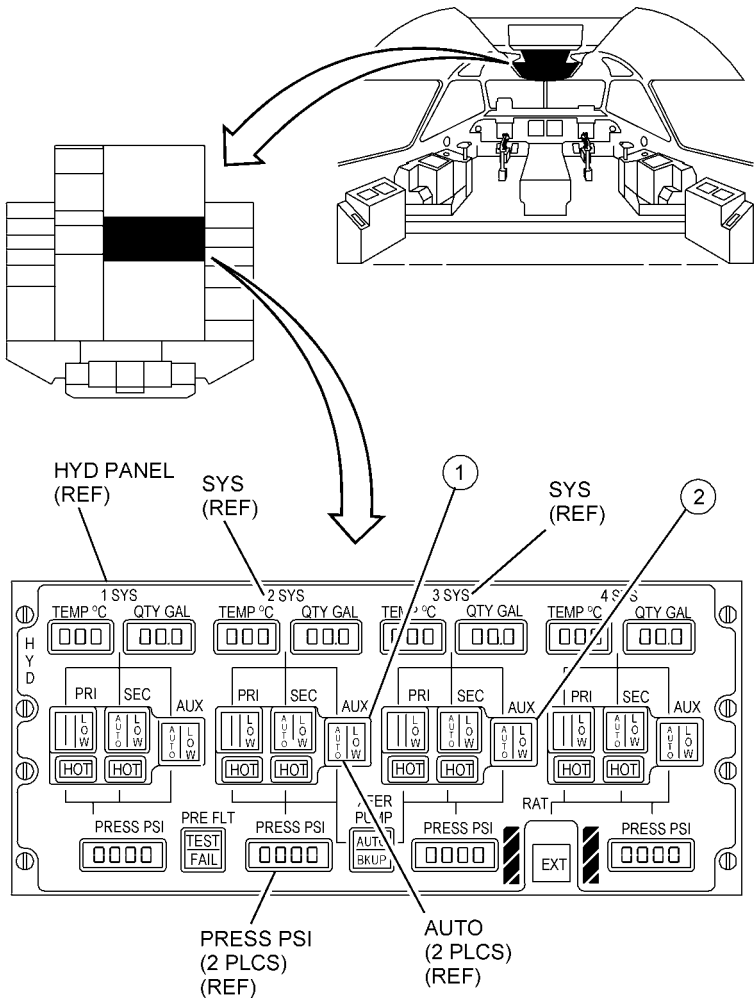
1. Install dust caps.
2. Remove support strut; close and latch access door.



ICN-88277-G1063021-002-01

TO 1300i-2-10JG-60-1

3. Observe hydraulic systems 2 and 3 reservoir sight gauge for fluid quantity (TO 1300i-2-12JG-29-1, 12-29-00, para 1-9).
4. Press **AUX** switchlight on **HYD** panel.
 - **AUTO** light comes on.
 - **PRESS PSI** indicator reads 3800-4200.

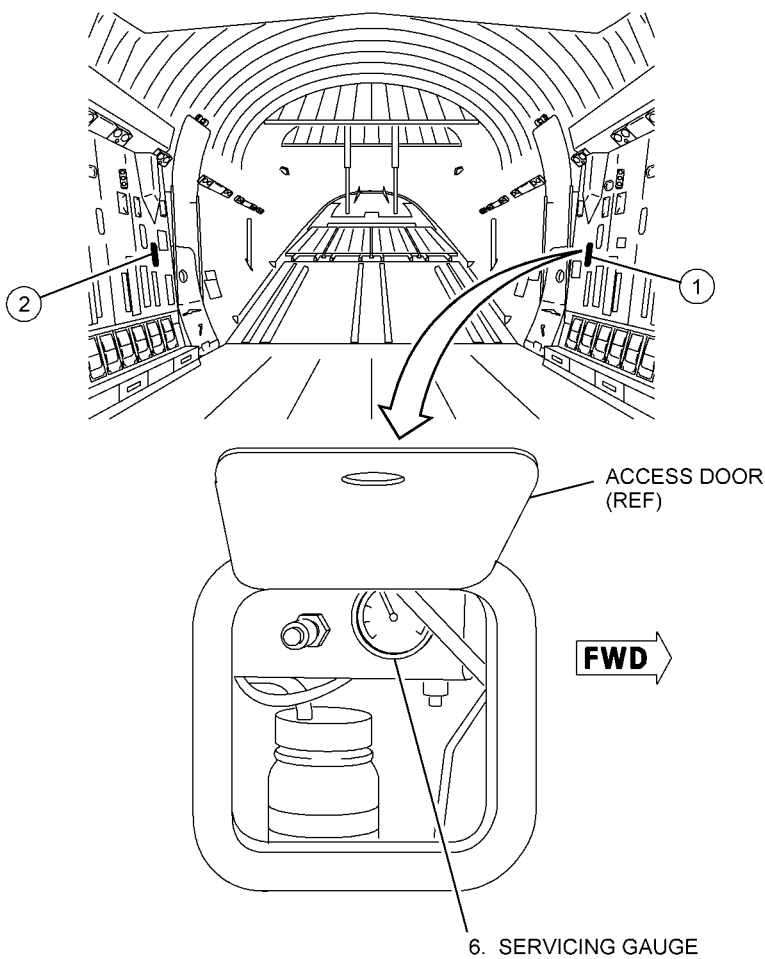


4.

INDEX NO.	HYD SYS	SWITCH LIGHT
1	2	AUX
2	3	AUX

TO 1300i-2-10JG-60-1

5. Open access door.
6. Observe servicing gauge.
 - Servicing gauge indicates 3800-4200 psi.



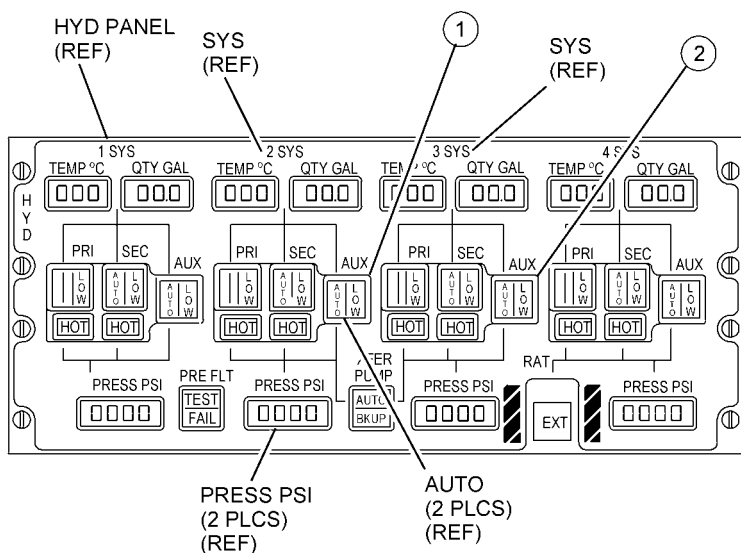
5.

INDEX NO.	HYDRAULIC SYSTEM	ACCESS DOOR NO.
1	2	265TZM(AT)
2	3	266TZM(AT)

ICN-88277-G1063024-003-01

TO 1300i-2-10JG-60-1

7. Press **AUX** switchlight on **HYD** panel.
 - **AUTO** light goes off.
8. Disconnect external electrical power (10-61-01, task 01-2).



7.

INDEX NO.	HYD SYS	SWITCH LIGHT
1	2	AUX
2	3	AUX

ICN-88277-G1063025-002-01

**EXTERNAL PNEUMATIC POWER
(10-64-01)**

GENERAL MAINTENANCE INPUT CONDITIONS:

Applicability:	Task
All	All

Additional information:

This procedure consists of the following tasks:

- 01-1. Connect single pneumatic cart.
- 01-2. Disconnect single pneumatic cart.
- 01-3. Connect dual pneumatic cart.
- 01-4. Disconnect dual pneumatic cart.

NOTE	Task
<ul style="list-style-type: none">• An external pneumatic cart can only supply enough air to operate a single pack.	01-1, 01-3
<ul style="list-style-type: none">• The right air conditioning pack is preferred and should be used when both packs are operational.	01-1, 01-3

Additional data:	Task
TO 1300i-2-00GV-00-1	01-1, 01-3
TO 1300i-2-23JG-40-1	01-1, 01-2, 01-3
TO 1300i-2-36FI-00-1	All

Personnel recommended:	Task
Two	All
Person (A) performs task.	

Task

Person (B) assists person (A).

Safety conditions:

Task

WARNING

- When a right **MANIFOLD FAIL** light appears on the **ENVIR** panel or a "Manifold Fail" Aural warning sounds anytime during APU operation, immediately press the **APU** switchlight on the **ENVIR** panel to extinguish the flow line. Ensure all personnel remain clear of flare launch direction. Immediately perform a visual inspection of flares for signs of protrusion from the ejection end of canister prior to attempting any further fault isolation. Failure to comply may cause injury to personnel and damage to aircraft. All
- After flare inspection, perform fault isolation TO 1300i-2-36FI-00-1, fault chart 36-23. Failure to comply may cause injury to personnel and damage to aircraft. All

WARNING - Continued

- **AA** → **CX** AFTER **1616** 01-1,
CY → **FW** AFTER **1617** **FX** → The Warning 01-3
 and Caution Computer (WCC) circuit breakers shall be recycled when external pneumatic power is continuously applied for 17 hours or more without the OBIGGS operating. This is to prevent a possible OBIGGS filter fire due to WCC failures. Failure to comply may cause injury to personnel or damage to aircraft.

CAUTION

- When ambient air temperature is above 90 °F and external electrical power will be applied for more than five minutes, ground air conditioning shall be applied. Failure to comply may cause damage to aircraft. 01-1
- Pneumatic cart shall be positioned at a safe distance, to the right forward side of aircraft, allowing the air hose to be fully extended. Failure to comply may cause damage to aircraft. 01-1, 01-3
- **AA** → **CX** AFTER **1616** 01-1,
CY → **FW** AFTER **1617** **FX** → Electrical 01-3
 power shall be **ON** while external pneumatic air pressure is being supplied to the aircraft, unless left and right On Board Inert Gas Generation System (OBIGGS) shutoff valves and left and right air conditioning flow control valves are manually locked closed (TO 1300i-2-00GV-00-1, Chapter 13). When there is an aircraft electrical power interruption during pneumatic air supply operation, immediately shutdown pneumatics to aircraft. Failure to comply may cause damage to aircraft.



- Continued

- **AA** → **AG** **AJ** **AL** → **AT** **AV** → **BD**
BF → **BM** **BP** → **BU** **BW** → **BY** **CA**
CB **CD** → **CG** **CK** → **CU**
CX AFTER **1616** **AH** **AK** **AU** **BE** **BN** **BV**
BZ **CC** **CH** **CJ** **CV**
CW AFTER **1616** BEFORE **2452** **CY** **CZ**
DH → **DS** **DZ** **EB** **ED** → **EJ**
EL → **EN** **EQ** → **FF**
FJ → **FW** AFTER **1617** **DB** → **DG**
DT → **DY** **EA** **EC** **EK** **EP** **FG**
FH AFTER **1617** BEFORE **2452**
FX → **MM** BEFORE **2452** When the left or right bleed air manifold is pressurized while the air conditioning pack on that side is off, the OBIGGS shutoff valve on that side must be manually locked closed (TO 1300i-2-00GV-00-1, Chapter 13). Failure to comply may cause damage to aircraft.

01-1,
01-3

Support equipment:

<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Power Unit, Gas Turbine	8446000	--	1	01-1
Power Unit, Gas Turbine	8446000	--	2	01-3

Supplies:

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

01-1. CONNECT SINGLE PNEUMATIC CART.

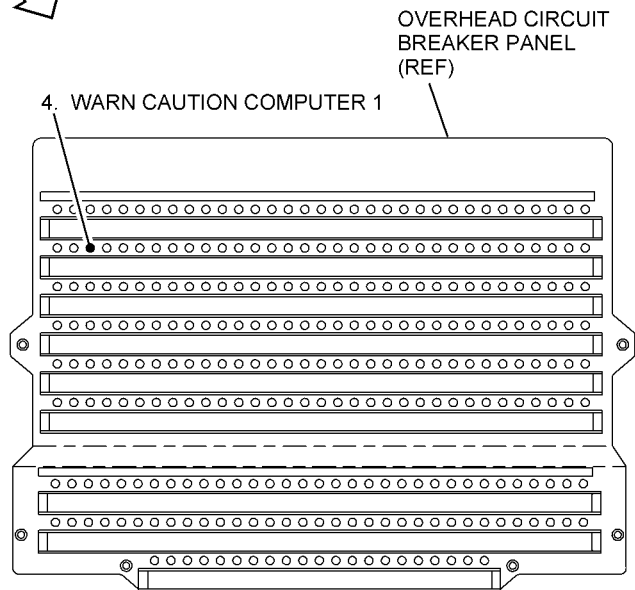
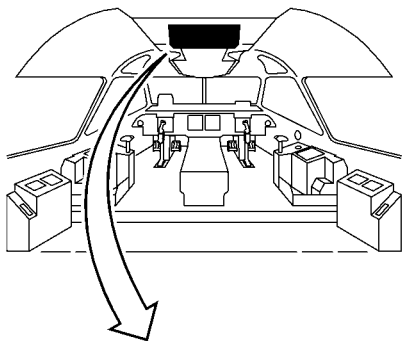
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.



⟨AA⟩ → ⟨CX⟩ AFTER 1616

⟨CY⟩ → ⟨FW⟩ AFTER 1617 ⟨FX⟩ → Electrical power shall be **ON** while external pneumatic air pressure is being supplied to the aircraft, unless left and right On Board Inert Gas Generation System (OBIGGS) shutoff valves and left and right air conditioning flow control valves are manually locked closed (TO 1300i-2-00GV-00-1, Chapter 13). When there is an aircraft electrical power interruption during pneumatic air supply operation, immediately shutdown pneumatics to aircraft. Failure to comply may cause damage to aircraft.

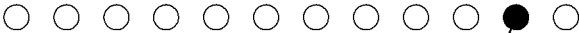
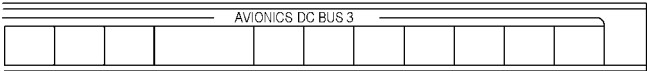
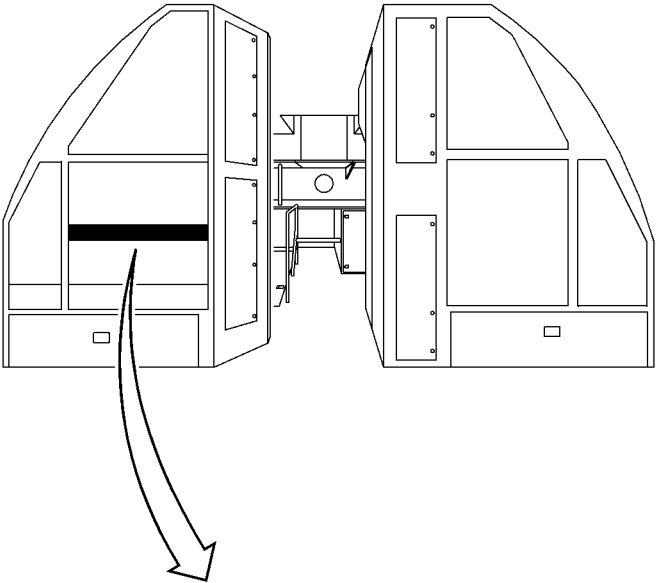
3. Connect external electrical power (10-61-01, task 01-1).
4. ⟨AA⟩ → ⟨CX⟩ BEFORE 1616 ⟨CY⟩ → ⟨FW⟩ BEFORE 1617 No action required.
4. ⟨AA⟩ → ⟨CX⟩ AFTER 1616 ⟨CY⟩ → ⟨FW⟩ AFTER 1617 ⟨FX⟩ → (A) Cycle **WARN CAUTION COMPUTER 1** circuit breaker on overhead circuit breaker panel, row **B**, column **3**.



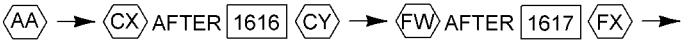
AA → CX AFTER 1616 CY → FW AFTER 1617 FX →

TO 1300i-2-10JG-60-1

5. $\langle \text{AA} \rangle \rightarrow \langle \text{CX} \rangle$ BEFORE $\boxed{1616} \langle \text{CY} \rangle \rightarrow \langle \text{FW} \rangle$ BEFORE $\boxed{1617}$ No action required.
5. $\langle \text{AA} \rangle \rightarrow \langle \text{CX} \rangle$ AFTER $\boxed{1616} \langle \text{CY} \rangle \rightarrow \langle \text{FW} \rangle$ AFTER $\boxed{1617} \langle \text{FX} \rangle \rightarrow$
(A) Cycle **WARN CAUTION COMPUTER 2** circuit breaker on right electrical power center, row **T**, column **38**.



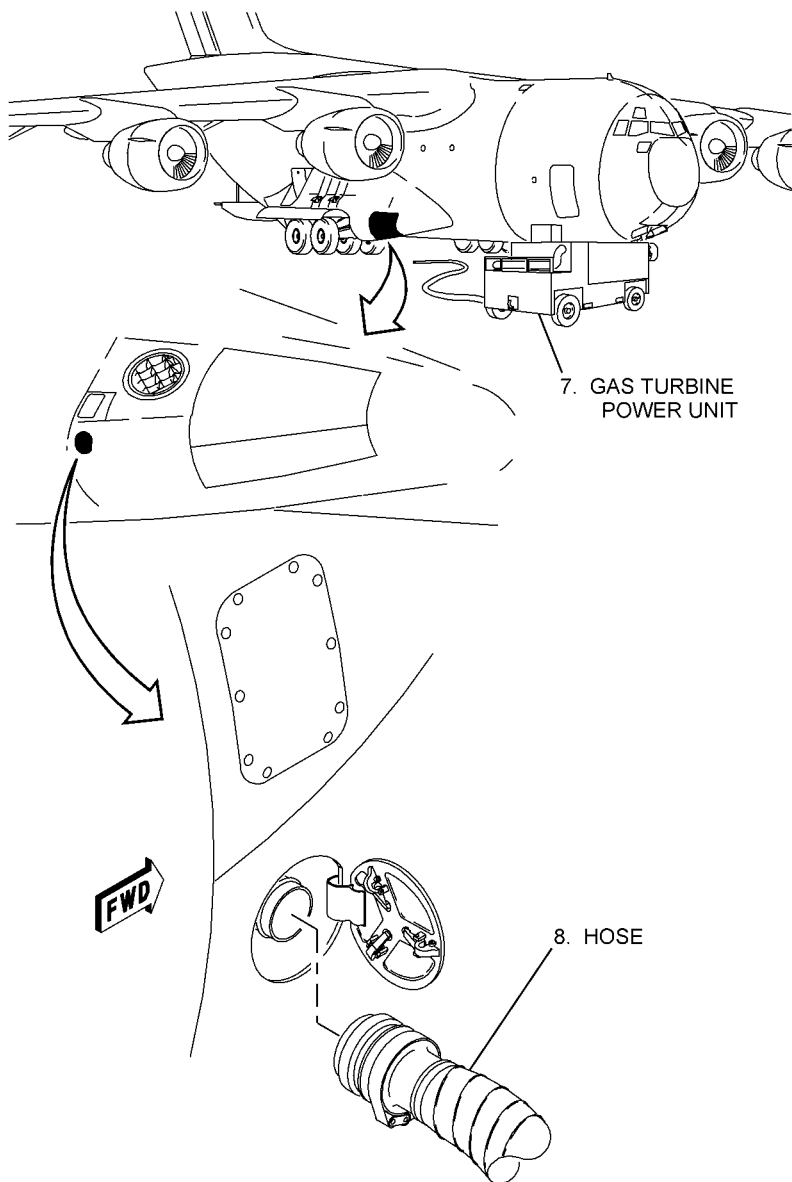
5. WARN CAUTION COMPUTER 2



NOTE

When aircraft radios are inoperable, a non-tactical radio may be used to communicate with other technician.

6. Perform maintenance interphone operation (23-41-02, task 02-3).
7. (A,B) Position gas turbine power unit to right forward of aircraft.
8. (B) Extend hose to full service length.



ICN-88277-G1064002-008-01

9. (B) Unlatch and open pneumatic ground connector access door (181ERD).
10. (B) Connect hose to pneumatic ground connector.
11. (B) Ensure there are no twists or kinks in hose.

WARNING

Pneumatic air and end of hose will get extremely hot during use. Personnel shall exercise caution and utilize protective equipment to prevent burns. Failure to comply may cause injury to personnel.

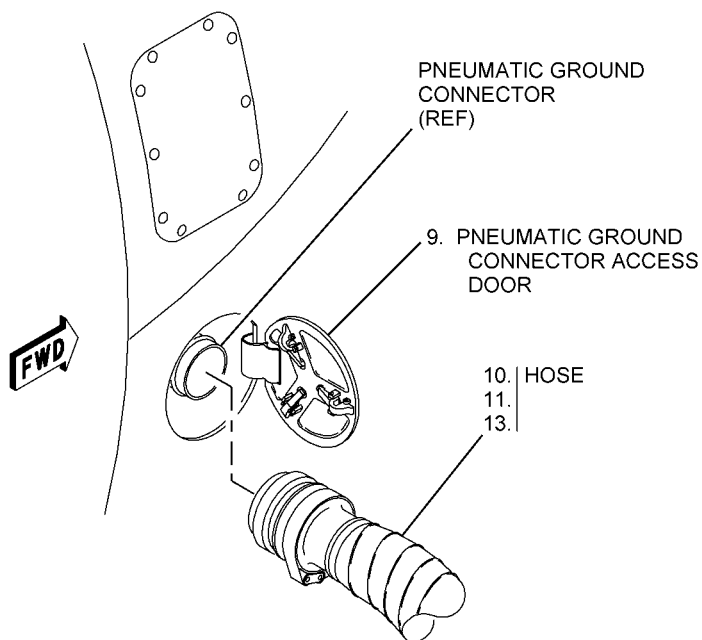
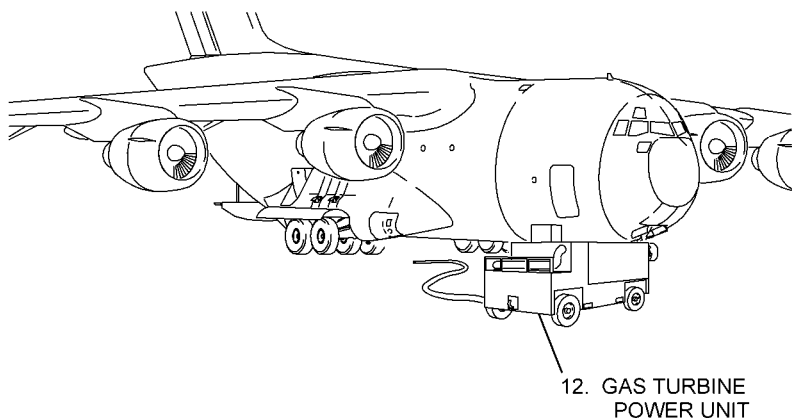
12. (B) Operate gas turbine power unit.

CAUTION

<AA> → <AG> <AJ> <AL> → <AT> <AV> → <BD>
 <BF> → <BM> <BP> → <BU> <BW> → <BY> <CA> <CB>
 <CD> → <CG> <CK> → <CU> <CX> AFTER 1616 <AH>
 <AK> <AU> <BE> <BN> <BV> <BZ> <CC> <CH> <CJ>
 <CV> <CW> AFTER 1616 BEFORE 2452 <CY> <CZ>
 <DH> → <DS> <DZ> <EB> <ED> → <EJ> <EL> → <EN>
 <EQ> → <FF> <FJ> → <FW> AFTER 1617
 <DB> → <DG> <DT> → <DY> <EA> <EC> <EK> <EP>
 <FG> <FH> AFTER 1617 BEFORE 2452
 <FX> → <MM> BEFORE 2452 When the left or right

bleed air manifold is pressurized while the air conditioning pack on that side is off, the OBIGGS shutoff valve on that side must be manually locked closed (TO 1300i-2-00GV-00-1, Chapter 13). Failure to comply may cause damage to aircraft.

13. (B) Apply air pressure to hose.



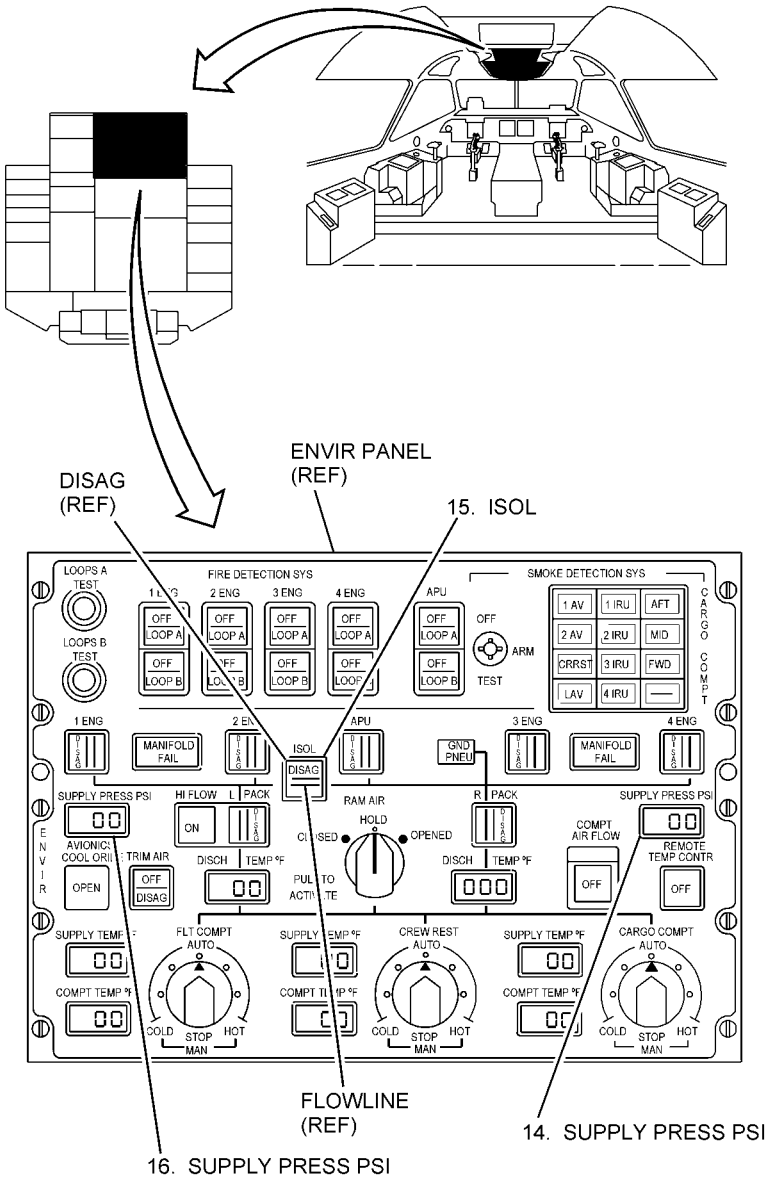
ICN-88277-G1064011-005-01

14. (A) Observe right **SUPPLY PRESS PSI** on **ENVIR** panel for minimum operating pressure.
- 25 PSI minimum.
 - No PSI fluctuation.

NOTE

- An external pneumatic cart can only supply enough air to operate a single pack.
- The right air conditioning pack is preferred and should be used when both packs are operational.
- When the right pack is used, proceed to step 17.

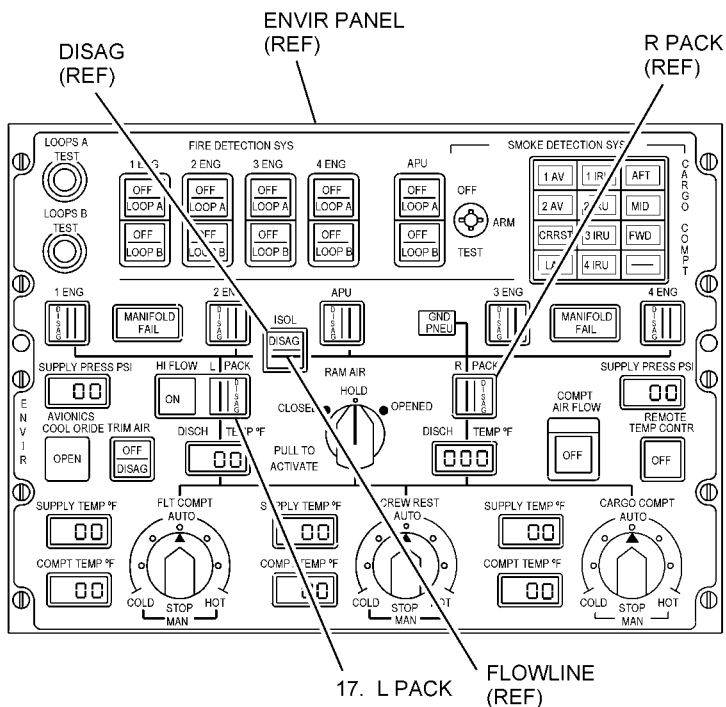
15. (A) Press **ISOL** switchlight.
- Flowline comes on.
 - **DISAG** light is off.
16. (A) Observe left **SUPPLY PRESS PSI** for minimum operating pressure.
- 25 PSI minimum.
 - No PSI fluctuation.



ICN-88277-G1064007-005-01

17. (A) Press **L PACK** or **R PACK** switchlight.

- Flowline comes on.
- **DISAG** light is off.



ICN-88277-G1064016-003-01

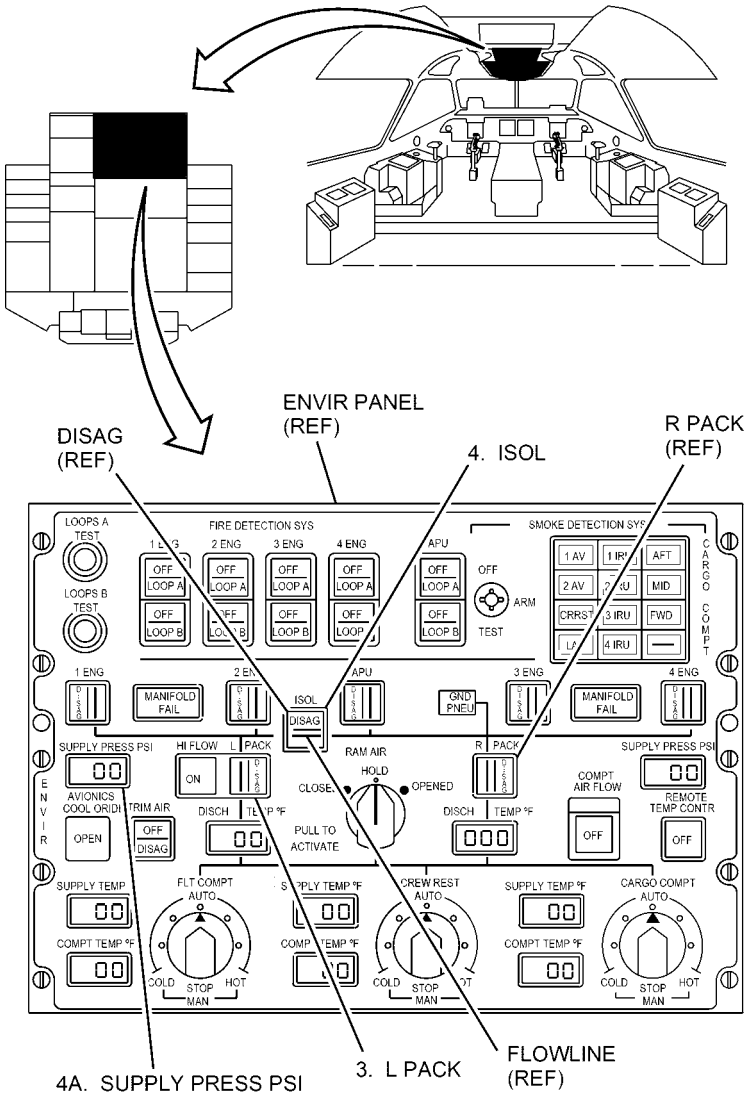
01-2. DISCONNECT SINGLE PNEUMATIC CART.

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. (A) Press **L PACK** or **R PACK** switchlight on **ENVIR** panel.
 - Flowline goes off.
 - **DISAG** light is off.

NOTE

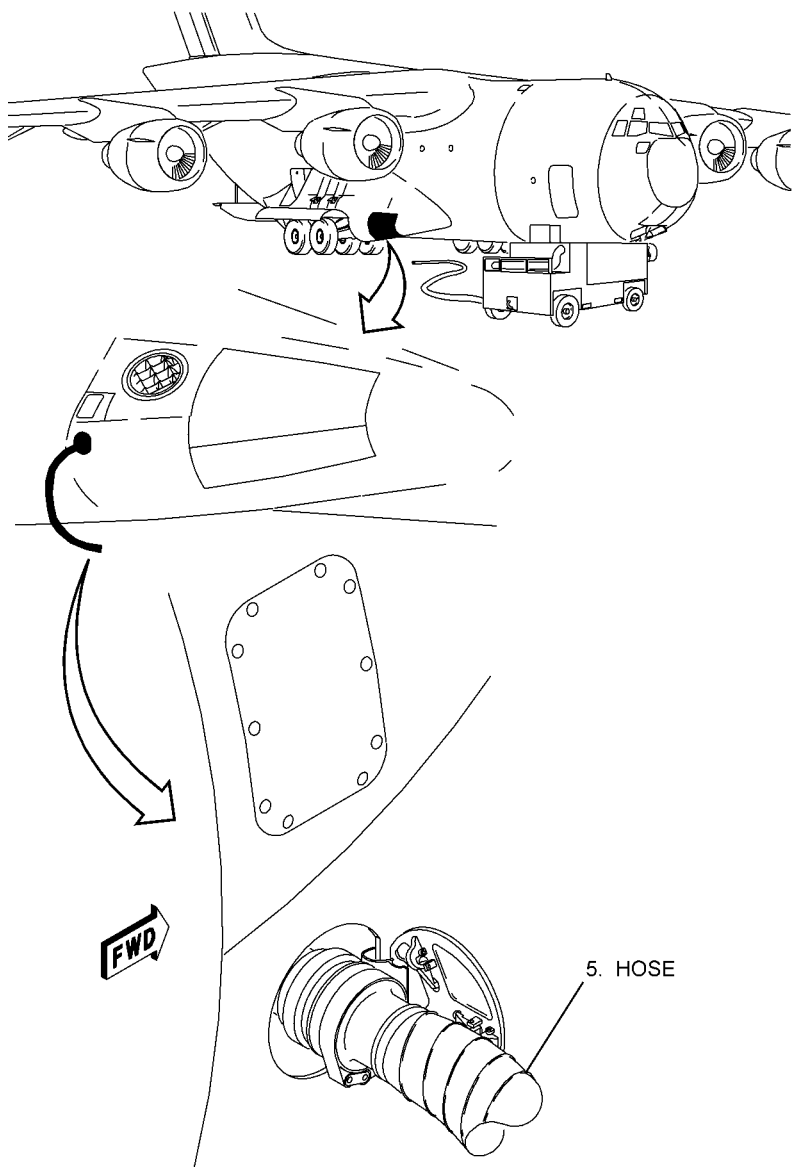
If right pack was shutdown proceed to step 6.

4. (A) Press **ISOL** switchlight.
 - Flowline goes off.
 - **DISAG** light is off.
- 4A. (A) Observe left **SUPPLY PRESS PSI** on **ENVIR** panel.
 - Zero is displayed.



ICN-88277-G1064008-006-01

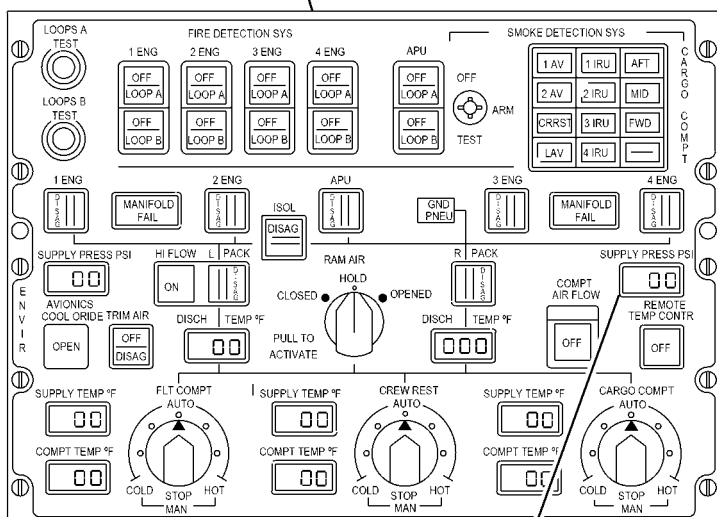
5. (B) Remove air pressure from hose.



ICN-88277-G1064004-004-01

6. (A) Observe right **SUPPLY PRESS PSI** on **ENVIR** panel.
 - Zero is displayed.

ENVIR PANEL
(REF)



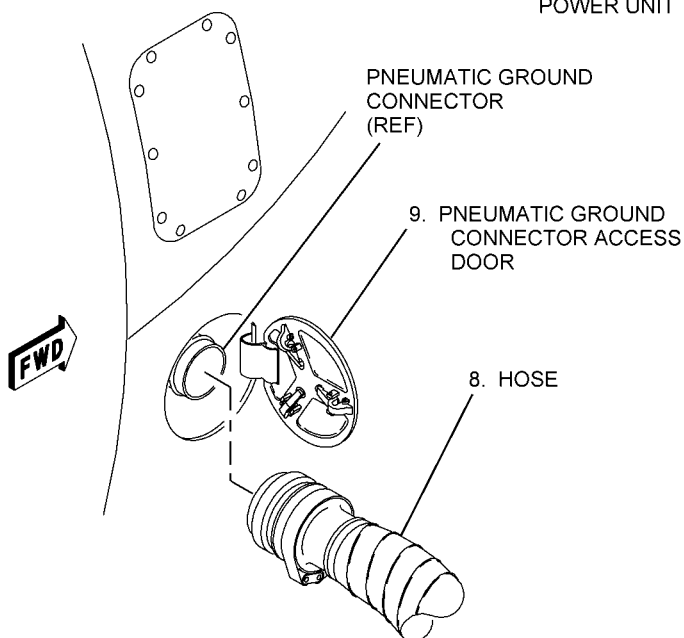
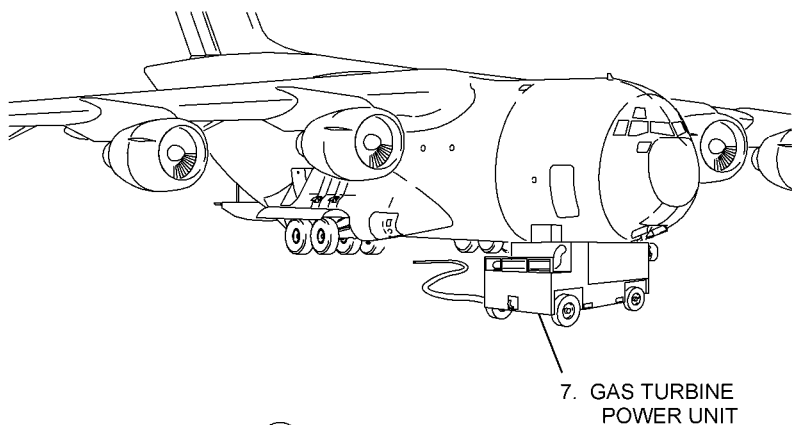
6. SUPPLY PRESS PSI

7. (B) Shut down gas turbine power unit.

WARNING

- Personnel shall ensure air pressure is completely removed from hose prior to disconnecting from pneumatic ground connector. Failure to comply may cause injury to personnel and damage to aircraft.
- Pneumatic air and end of hose will get extremely hot during use. Personnel shall exercise caution and utilize protective equipment to prevent burns. Failure to comply may cause injury to personnel.

8. (B) Disconnect hose from pneumatic ground connector.
9. (B) Close and latch pneumatic ground connector access door (181ERD).
10. Perform maintenance interphone shutdown (23-41-02, task 02-4).
11. Disconnect external electrical power (10-61-01, task 01-2).



ICN-88277-G1064010-003-01

01-3. CONNECT DUAL PNEUMATIC CART.

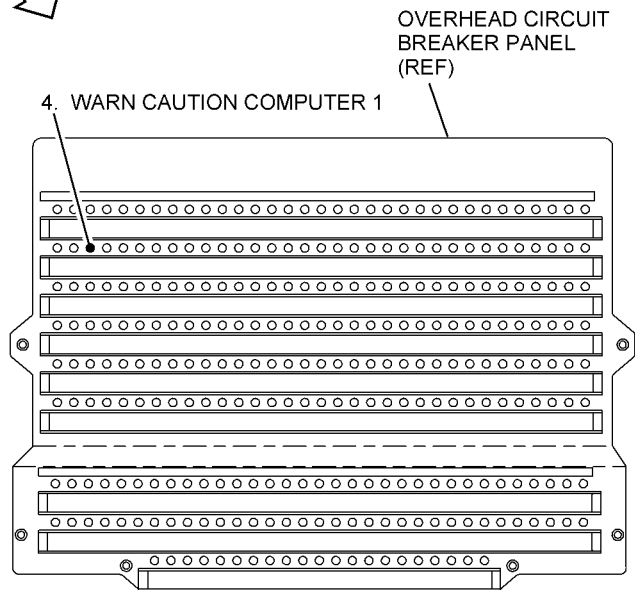
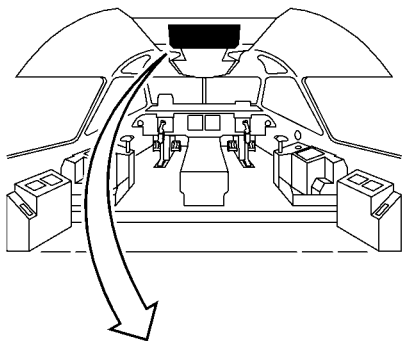
1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.



⎓AA⎓ → ⎓CX⎓ AFTER 1616

⎓CY⎓ → ⎓FW⎓ AFTER 1617 ⎓FX⎓ → Electrical power shall be **ON** while external pneumatic air pressure is being supplied to the aircraft, unless left and right On Board Inert Gas Generation System (OBIGGS) shutoff valves and left and right air conditioning flow control valves are manually locked closed (TO 1300i-2-00GV-00-1, Chapter 13). When there is an aircraft electrical power interruption during pneumatic air supply operation, immediately shutdown pneumatics to aircraft. Failure to comply may cause damage to aircraft.

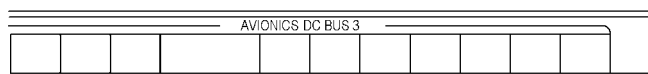
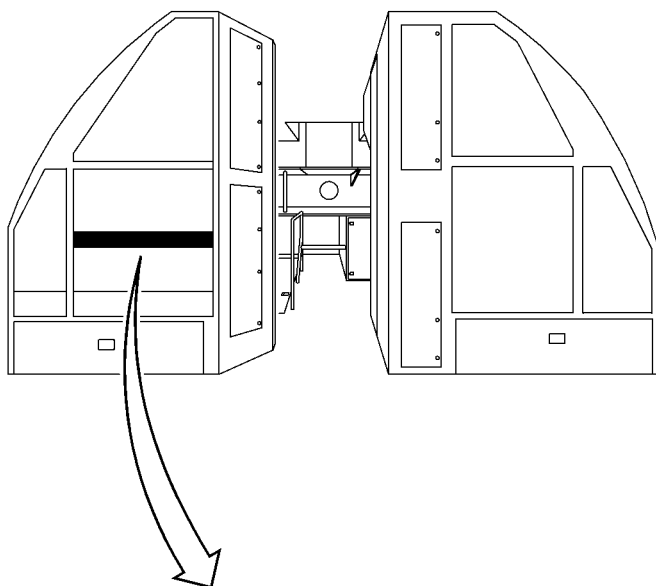
3. Connect external electrical power (10-61-01, task 01-1).
4. ⎓AA⎓ → ⎓CX⎓ BEFORE 1616 ⎓CY⎓ → ⎓FW⎓ BEFORE 1617 No action required.
4. ⎓AA⎓ → ⎓CX⎓ AFTER 1616 ⎓CY⎓ → ⎓FW⎓ AFTER 1617 ⎓FX⎓ → (A) Cycle **WARN CAUTION COMPUTER 1** circuit breaker on overhead circuit breaker panel, row **B**, column **3**.



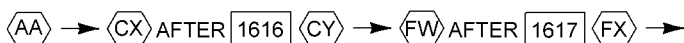
AA → CX AFTER 1616 CY → FW AFTER 1617 FX →

TO 1300i-2-10JG-60-1

5. $\langle \text{AA} \rangle \rightarrow \langle \text{CX} \rangle$ BEFORE $\boxed{1616} \langle \text{CY} \rangle \rightarrow \langle \text{FW} \rangle$ BEFORE $\boxed{1617}$ No action required.
5. $\langle \text{AA} \rangle \rightarrow \langle \text{CX} \rangle$ AFTER $\boxed{1616} \langle \text{CY} \rangle \rightarrow \langle \text{FW} \rangle$ AFTER $\boxed{1617} \langle \text{FX} \rangle \rightarrow$
(A) Cycle **WARN CAUTION COMPUTER 2** circuit breaker on right electrical power center, row **T**, column **38**.



5. WARN CAUTION COMPUTER 2

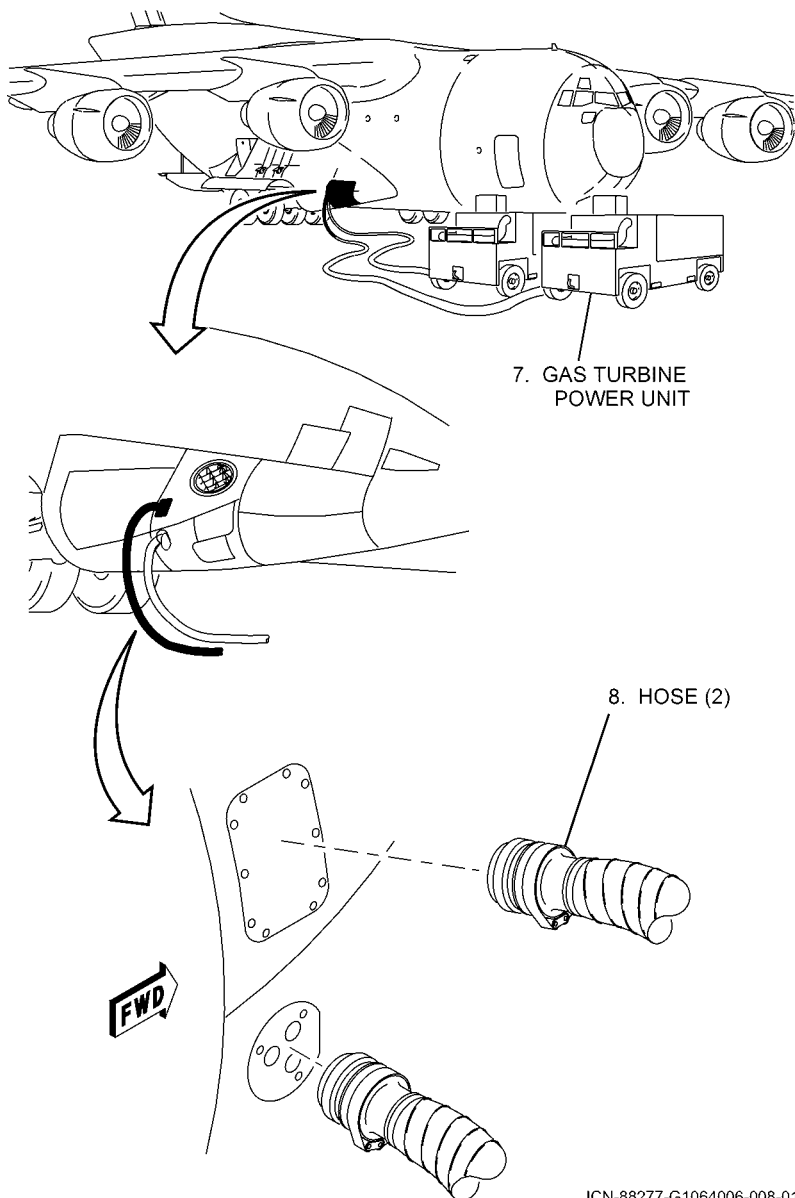


ICN-88277-G1064019-001-01

NOTE

When aircraft radios are inoperable, a non-tactical radio may be used to communicate with other technician.

6. Perform maintenance interphone operation (23-41-02, task 02-3).
7. (A,B) Position gas turbine power units to right forward of aircraft.
8. (B) Extend hoses to full service length.



ICN-88277-G1064006-008-01

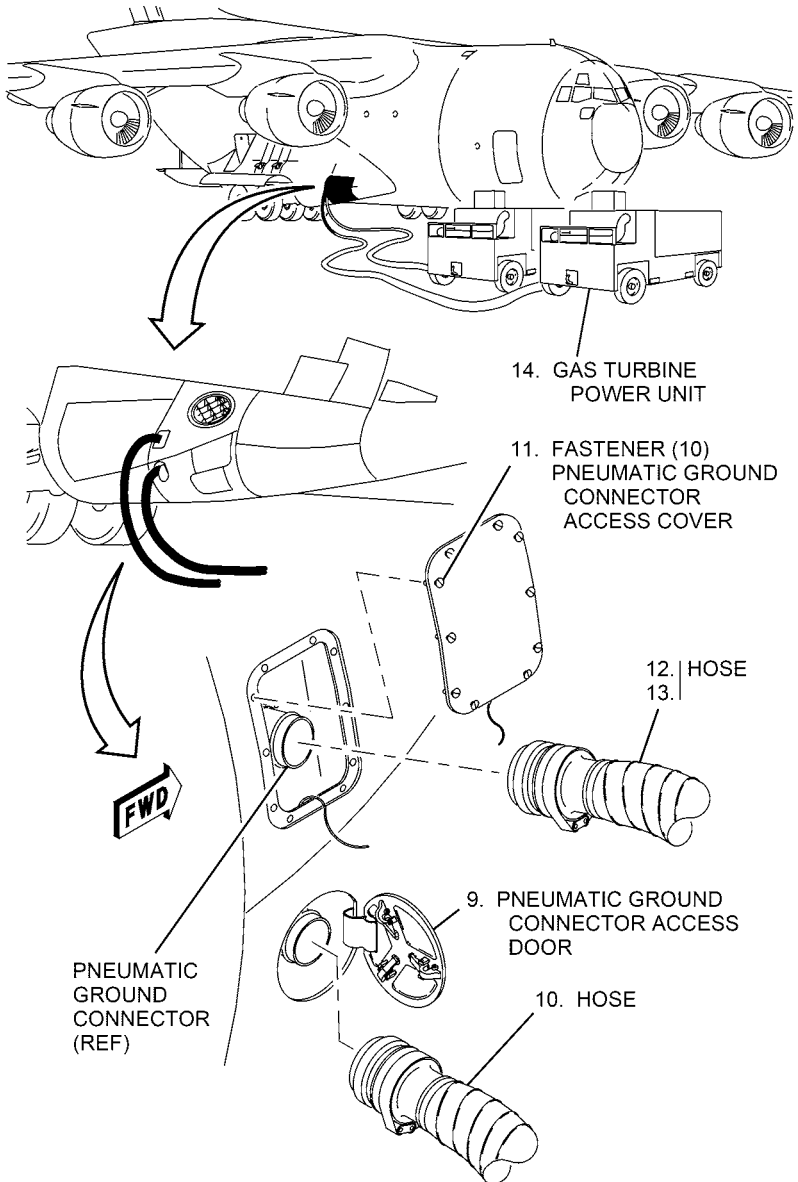
TO 1300i-2-10JG-60-1

9. (B) Unlatch and open pneumatic ground connector access door (181ERD).
10. (B) Connect hose to pneumatic ground connector.
11. (B) Loosen fasteners and remove pneumatic ground connector access cover (181SRC).
12. (B) Connect hose to pneumatic ground connector.
13. (B) Ensure there are no twists or kinks in hose.

WARNING

Pneumatic air and end of hose will get extremely hot during use. Personnel shall exercise caution and utilize protective equipment to prevent burns. Failure to comply may cause injury to personnel.

14. (B) Operate gas turbine power units.

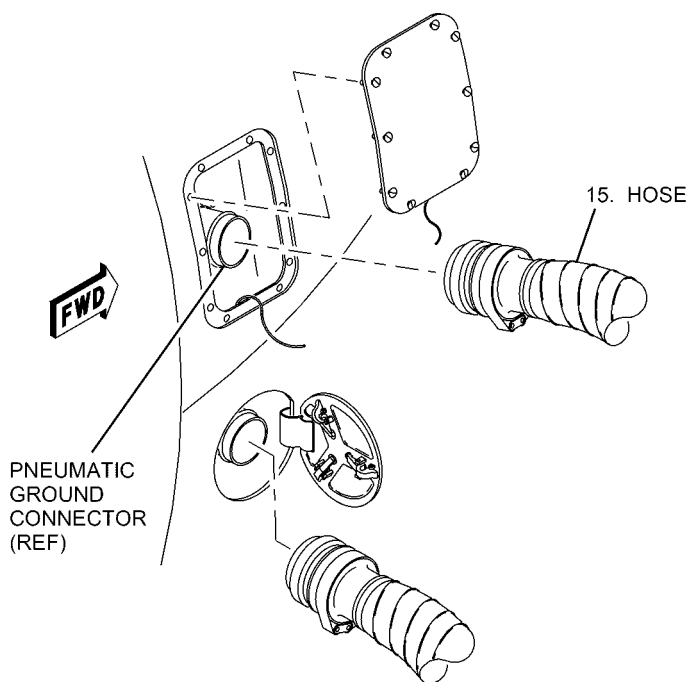


ICN-88277-G1064015-004-01



(AA) → (AG) (AJ) (AL) → (AT) (AV) → (BD)
 (BF) → (BM) (BP) → (BU) (BW) → (BY) (CA) (CB)
 (CD) → (CG) (CK) → (CU) (CX) AFTER 1616 (AH)
 (AK) (AU) (BE) (BN) (BV) (BZ) (CC) (CH) (CJ)
 (CV) (CW) AFTER 1616 BEFORE 2452 (CY) (CZ)
 (DH) → (DS) (DZ) (EB) (ED) → (EJ) (EL) → (EN)
 (EQ) → (FF) (FJ) → (FW) AFTER 1617
 (DB) → (DG) (DT) → (DY) (EA) (EC) (EK) (EP)
 (FG) (FH) AFTER 1617 BEFORE 2452
 (FX) → (MM) BEFORE 2452 When left or right bleed
 air manifold is pressurized while the air conditioning
 pack on that side is off, the OBIGGS shutoff valve on
 that side must be manually locked closed (TO
 1300i-2-00GV-00-1, Chapter 13). Failure to comply
 may cause damage to aircraft.

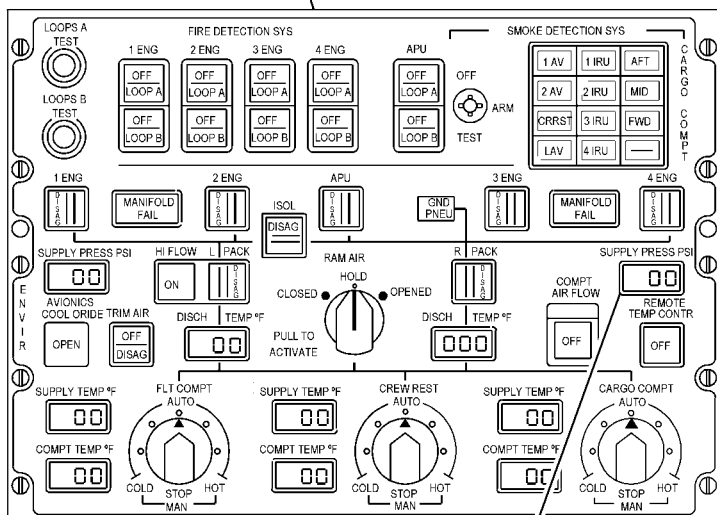
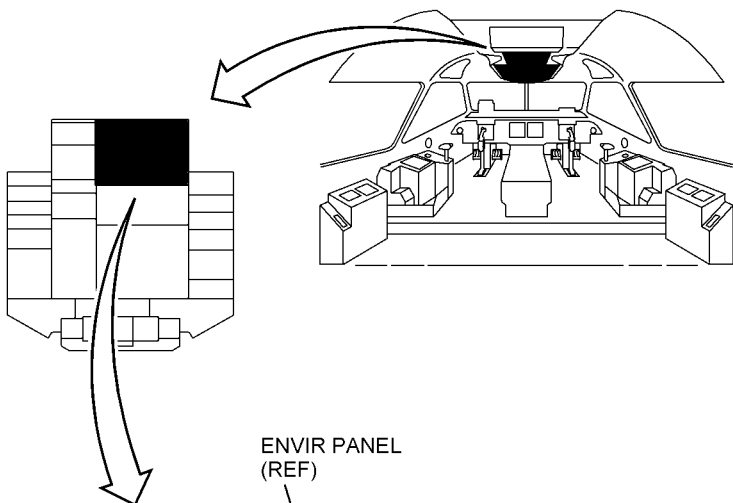
15. (B) Apply air pressure to hoses.



ICN-88277-G1064032-001-01

TO 1300i-2-10JG-60-1

16. (A) Observe right **SUPPLY PRESS PSI** on **ENVIR** panel for minimum operating pressure.
- 25 PSI minimum.
 - No PSI fluctuation.

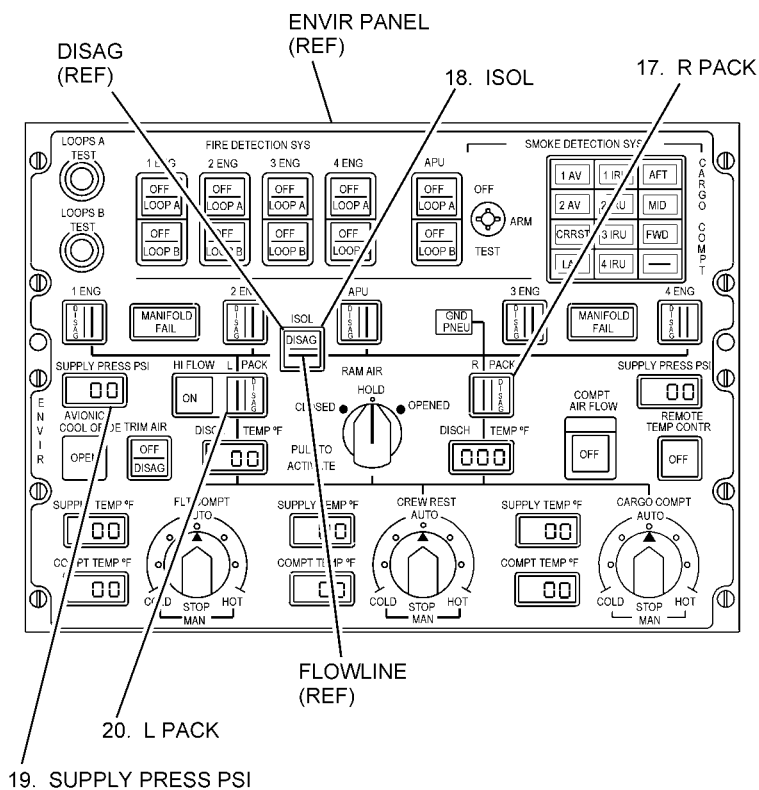


16. SUPPLY PRESS PSI

ICN-88277-G1064017-002-01

TO 1300i-2-10JG-60-1

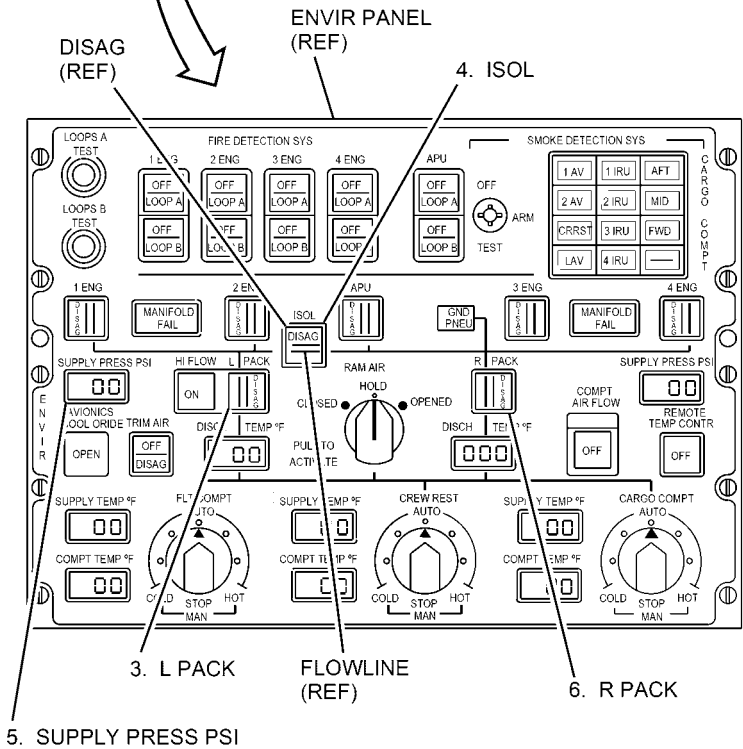
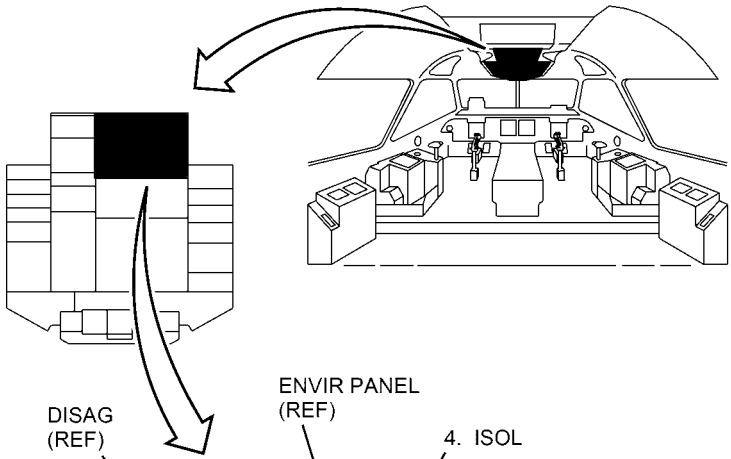
17. (A) Press **R PACK** switchlight.
 - Flowline comes on.
 - **DISAG** light is off.
18. (A) Press **ISOL** switchlight.
 - Flowline comes on.
 - **DISAG** light is off.
19. (A) Observe left **SUPPLY PRESS PSI**.
 - Pressure increases.
 - No **PSI** fluctuation.
20. (A) Press **L PACK** switchlight.
 - Flowline comes on.
 - **DISAG** light is off.



ICN-88277-G1064012-004-01

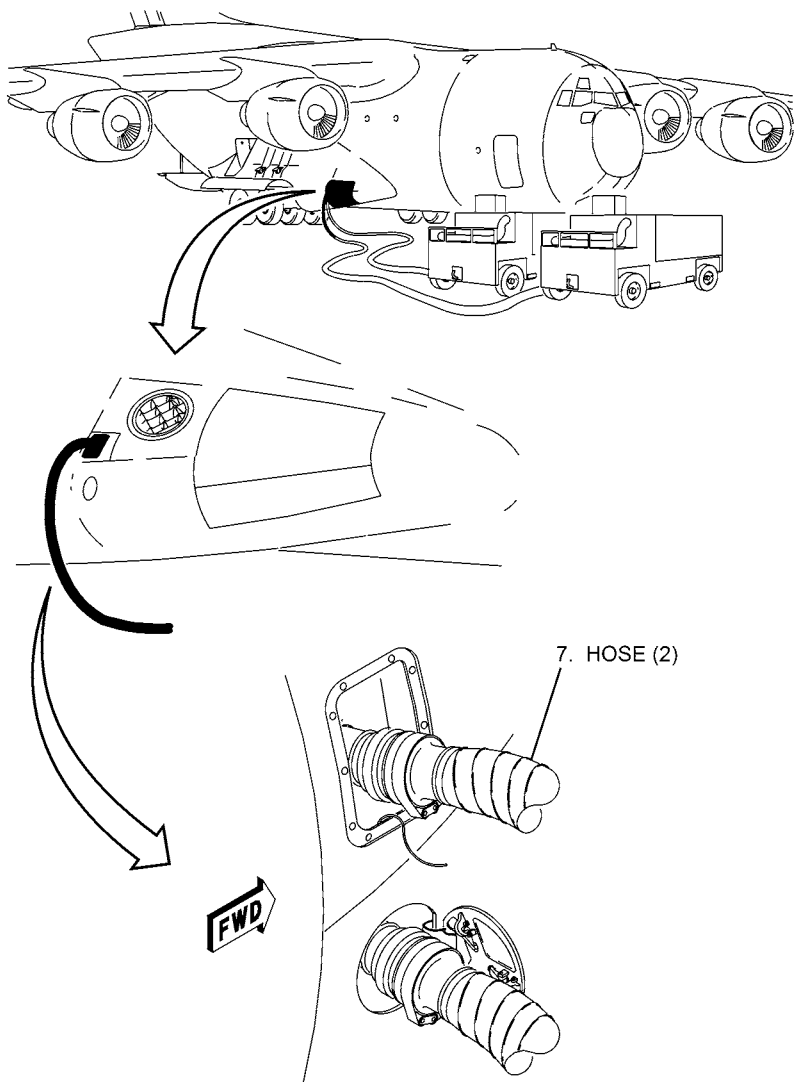
01-4. DISCONNECT DUAL PNEUMATIC CART.

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. (A) Press **L PACK** switchlight.
 - Flowline goes off.
 - **DISAG** light is off.
4. (A) Press **ISOL** switchlight.
 - Flowline goes off.
 - **DISAG** light is off.
5. (A) Observe left **SUPPLY PRESS PSI** on **ENVIR** panel.
 - Zero is displayed.
6. (A) Press **R PACK** switchlight.
 - Flowline goes off.
 - **DISAG** light is off.



ICN-88277-G1064013-003-01

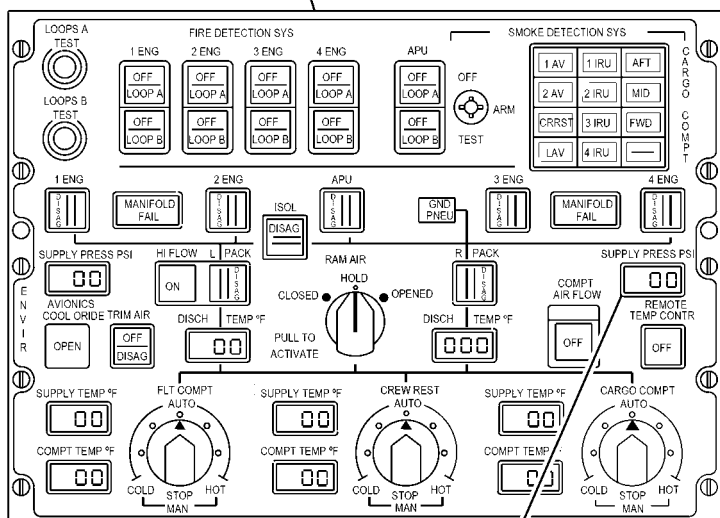
7. (B) Remove air pressure from hoses.



ICN-88277-G1064005-007-01

8. (A) Observe right **SUPPLY PRESS PSI** on **ENVIR** panel.
 - Zero is displayed.

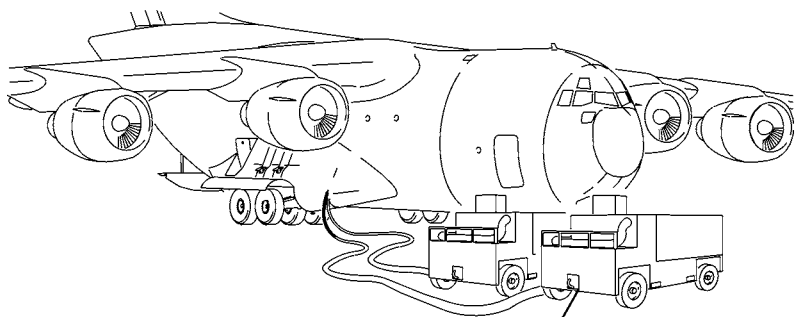
ENVIR PANEL
(REF)



8. SUPPLY PRESS PSI

ICN-88277-G1064024-001-01

9. (B) Shut down gas turbine power unit.

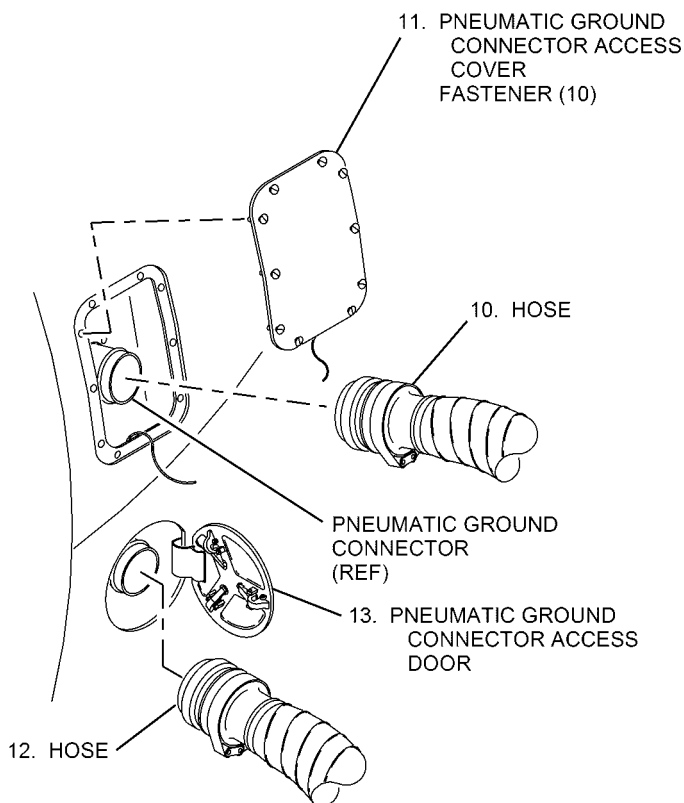


9. GAS TURBINE POWER UNIT

WARNING

- Personnel shall ensure air pressure is completely removed from hose prior to disconnecting from pneumatic ground connector. Failure to comply may cause injury to personnel and damage to aircraft.
- Pneumatic air and end of hose will get extremely hot during use. Personnel shall exercise caution and utilize protective equipment to prevent burns. Failure to comply may cause injury to personnel.

10. (B) Disconnect hose from pneumatic ground connector.
11. (B) Install pneumatic ground connector access cover (181SRC), and tighten fasteners.
12. (B) Disconnect hose from pneumatic ground connector.
13. (B) Closed and latch pneumatic ground connector access cover (181ERD).
14. Disconnect external electrical power (10-61-01, task 01-2).



ICN-88277-G1064014-003-01

