

**\*\* ON A/C ALL**

## 29-32-12 PB 401 CONF 00 - PRESSURE SWITCH - SYSTEM - REMOVAL/INSTALLATION

TASK 29-32-12-000-001-A

Removal of the System Pressure Switch

**WARNING: MAKE SURE THAT THE TRAVEL RANGES OF THE FLIGHT CONTROL SURFACES ARE CLEAR BEFORE YOU PRESSURIZE/DEPRESSURIZE A HYDRAULIC SYSTEM.**

**WARNING: MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR. THIS WILL PREVENT UNWANTED MOVEMENT OF THE LANDING GEAR, AND THUS POSSIBLE INJURY TO PERSONS AND DAMAGE TO THE AIRCRAFT AND/OR EQUIPMENT.**

FIN : 1151GN

1. Reason for the Job

Self explanatory

2. Job Set-up Information

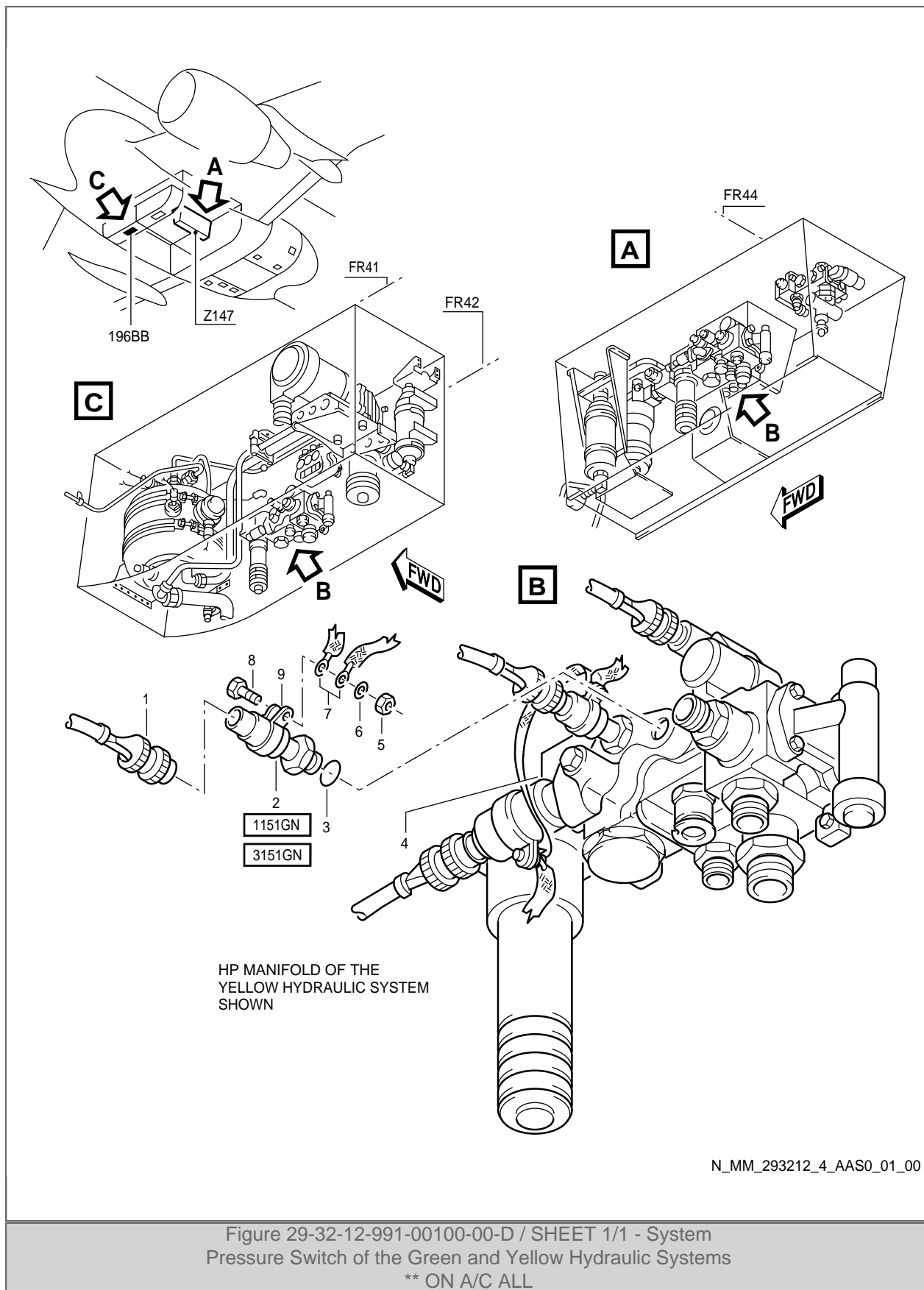
A. Fixtures, Tools, Test and Support Equipment

REFERENCE	QTY	DESIGNATION
No specific	1	ACCESS PLATFORM 3M (10 FT)- ADJUSTABLE
No specific	1	CAP - BLANKING
No specific	1	CONTAINER - HYDRAULIC FLUID RESISTANT
No specific	AR	PLUG - BLANKING
No specific	AR	SAFETY CLIP - CIRCUIT BREAKER
No specific	2	WARNING NOTICE(S)

B. Referenced Information

REFERENCE	DESIGNATION
(Ref. 29-00-00-864-001-A).	Put the Related Hydraulic System in the Depressurized Configuration before Maintenance Action
(Ref. 29-00-00-910-002-A).	Safety Procedures of the Hydraulic System
(Ref. 29-14-00-614-001-A).	Depressurization of the Hydraulic Reservoirs
(Ref. 29-23-00-860-001-A).	Disconnection of the Isolation Coupling of the Power Transfer Unit (PTU)
(Ref. 32-12-00-010-001-A).	Open the Main Gear Doors for Access
System Pressure Switch of the Green and Yellow Hydraulic Systems SHEET 1	

29-32-12 PB 401 CONF 00 - PRESSURE  
SWITCH - SYSTEM - REMOVAL/INSTALLATION



N\_MM\_293212\_4\_AAS0\_01\_00

Customer : CSN Type : A318/A319/A320/A321 Rev. Date : May 01, 2018	Manual : AMM Selected applicability : 0054-0054
29-32-12 PB 401 CONF 00 - PRESSURE SWITCH - SYSTEM - REMOVAL/INSTALLATION	

### 3. Job Set-up

Subtask 29-32-12-010-050-A

A. Open one main door of the main gear (Ref. AMM TASK 32-12-00-010-001) .

Subtask 29-32-12-865-050-A

B. Open, safety and tag this(these) circuit breaker(s):

PANEL	DESIGNATION	FIN	LOCATION
49VU	FLIGHT CONTROLS/ELAC1/NORM/ SPLY	15CE1	B11
105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	FLIGHT CONTROLS/SEC3/SPLY	21CE3	Q19
121VU	FLIGHT CONTROLS/SEC2/SPLY	21CE2	Q18
121VU	FLIGHT CONTROLS/ELAC2/NORM/ SPLY	15CE2	R20

Subtask 29-32-12-860-050-A

C. Aircraft Maintenance Configuration

**WARNING: OBEY THE HYDRAULIC SAFETY PROCEDURES.**

- (1) Obey the hydraulic safety procedures (Ref. AMM TASK 29-00-00-910-002) .
- (2) Make sure that the Green hydraulic system is depressurized and put it in the maintenance configuration.  
(Ref. AMM TASK 29-00-00-864-001) .
- (3) Depressurize the reservoir of the Green hydraulic system (Ref. AMM TASK 29-14-00-614-001) .
- (4) Put the WARNING NOTICE(S) in position to tell persons not to pressurize the Green hydraulic system:
  - in the cockpit on the hydraulic section 40VU of the overhead panel,
  - on the ground service panel of the Green hydraulic system.
- (5) Put the ACCESS PLATFORM 3M (10 FT)- ADJUSTABLE in position at the main door of the main gear.
- (6) Disconnect the isolation coupling of the Power Transfer Unit (PTU) (Ref. AMM TASK 29-23-00-860-001) .
- (7) Put the CONTAINER - HYDRAULIC FLUID RESISTANT in position below the system pressure switch to collect any hydraulic fluid.

### 4. Procedure

(Ref. Fig. System Pressure Switch of the Green and Yellow Hydraulic Systems SHEET 1)

Subtask 29-32-12-020-050-A

A. Removal of the System Pressure Switch

- (1) Disconnect the electrical connector (1).
- (2) Put the CAP - BLANKING on the disconnected electrical connector (1).
- (3) Remove the nut (5), the washer (6), the screw (8), the bonding jumper (7) and the clamp (9) from the system pressure switch (2).
- (4) Cut and remove the lockwire.

Customer : CSN Type : A318/A319/A320/A321 Rev. Date : May 01, 2018	Manual : AMM Selected applicability : 0054-0054
29-32-12 PB 401 CONF 00 - PRESSURE SWITCH - SYSTEM - REMOVAL/INSTALLATION	

- (5) Loosen the system pressure switch (2) and remove it together with the O-ring (3) from the manifold (4).
- (6) Discard the O-ring.
- (7) Install a PLUG - BLANKING in the open ports.

## TASK 29-32-12-400-001-A Installation of the System Pressure Switch

**WARNING: MAKE SURE THAT THE TRAVEL RANGES OF THE FLIGHT CONTROL SURFACES ARE CLEAR BEFORE YOU PRESSURIZE/DEPRESSURIZE A HYDRAULIC SYSTEM.**

**WARNING: MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR. THIS WILL PREVENT UNWANTED MOVEMENT OF THE LANDING GEAR, AND THUS POSSIBLE INJURY TO PERSONS AND DAMAGE TO THE AIRCRAFT AND/OR EQUIPMENT.**

FIN : 1151GN

1. Reason for the Job  
Self explanatory
2. Job Set-up Information

### A. Fixtures, Tools, Test and Support Equipment

REFERENCE	QTY	DESIGNATION
No specific	1	ACCESS PLATFORM 3M (10 FT)- ADJUSTABLE
No specific	1	CONTAINER - HYDRAULIC FLUID RESISTANT
No specific	2	WARNING NOTICE(S)
No specific		Torque wrench: range <b>to between 3.20 and 3.45 m.daN (23.60 and 25.44 lbf.ft)</b>

### B. Consumable Materials

REFERENCE	DESIGNATION
(Material No. 02ABA1)	Phosphate Ester Hydraulic Fluid-General Power - -
No specific	lockwire, corrosion-resistant steel 0.8 mm (0.032 in.)

### C. Expendable Parts

FIG.ITEM	DESIGNATION	IPC-CSN
3	O-ring	29-32-03-01-070
3	O-ring	29-32-83-01-090

### D. Referenced Information

REFERENCE	DESIGNATION
(Ref. 20-28-00-912-004-A).	Electrical Bonding of Components With Conductive Bolts and Screws and Bonding Straps in the Fuselage and in the Wings (this does not include the tanks)
(Ref. 29-00-00-864-001-A).	Put the Related Hydraulic System in the Depressurized Configuration before Maintenance Action

REFERENCE	DESIGNATION
(Ref. 29-00-00-910-002-A).	Safety Procedures of the Hydraulic System
(Ref. 29-10-00-863-001-A).	Pressurize the Green Hydraulic System with a Hydraulic Ground Power-Cart
(Ref. 29-10-00-864-001-A).	Depressurize the Green Hydraulic System
(Ref. 29-14-00-614-001-A).	Depressurization of the Hydraulic Reservoirs
(Ref. 29-14-00-614-002-A).	Pressurization of the Hydraulic Reservoirs through the Ground Connector
(Ref. 29-14-00-614-002-A-01).	Pressurization of the Hydraulic Reservoirs with the Auxiliary Power Unit (APU)
(Ref. 29-23-00-860-001-A).	Disconnection of the Isolation Coupling of the Power Transfer Unit (PTU)
(Ref. 29-23-00-860-002-A).	Connection of the Isolation Coupling of the Power Transfer Unit (PTU)
(Ref. 29-23-00-863-001-A).	Pressurize the Green Hydraulic System from the Yellow Hydraulic System through the PTU with the Electric Pump
(Ref. 29-32-00-710-001-A).	Operational Test of the System Pressure Switch , Pressure Transducer and the associated Indicating System of the Green Hydraulic System
(Ref. 32-12-00-010-001-A).	Open the Main Gear Doors for Access
(Ref. 32-12-00-410-001-A).	Close the Main Gear Doors after Access
System Pressure Switch of the Green and Yellow Hydraulic Systems SHEET 1	

### 3. Job Set-up

Subtask 29-32-12-860-055-A

#### A. Aircraft Maintenance Configuration

#### **WARNING: OBEY THE HYDRAULIC SAFETY PROCEDURES.**

- (1) Obey the hydraulic safety procedures (Ref. AMM TASK 29-00-00-910-002) .
- (2) Make sure that the Green hydraulic system is depressurized and put it in the maintenance configuration.  
(Ref. AMM TASK 29-00-00-864-001) .
- (3) Make sure that the reservoir of the Green hydraulic system is depressurized  
(Ref. AMM TASK 29-14-00-614-001) .
- (4) Make sure that the WARNING NOTICE(S) are in position to tell persons not to pressurize the Green hydraulic system:
  - In the cockpit on the hydraulic section 40VU of the overhead panel,
  - On the ground service panel of the Green hydraulic system.
- (5) Make sure that one main door of the main gear is open (Ref. AMM TASK 32-12-00-010-001) .
- (6) Make sure that the ACCESS PLATFORM 3M (10 FT)- ADJUSTABLE is in position at the main door of the main gear.
- (7) Make sure that the isolation coupling of the Power Transfer Unit (PTU) is disconnected  
(Ref. AMM TASK 29-23-00-860-001) .
- (8) Make sure that the CONTAINER - HYDRAULIC FLUID RESISTANT is in position below the location of the system pressure switch.

Subtask 29-32-12-865-056-A

#### B. Make sure that this(these) circuit breaker(s) is(are) open, safetied and tagged:

PANEL	DESIGNATION	FIN	LOCATION
49VU	FLIGHT CONTROLS/ELAC1/NORM/ SPLY	15CE1	B11
105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	FLIGHT CONTROLS/SEC3/SPLY	21CE3	Q19
121VU	FLIGHT CONTROLS/SEC2/SPLY	21CE2	Q18
121VU	FLIGHT CONTROLS/ELAC2/NORM/ SPLY	15CE2	R20

#### 4. Procedure

(Ref. Fig. System Pressure Switch of the Green and Yellow Hydraulic Systems SHEET 1)

Subtask 29-32-12-420-050-A

##### A. Installation of the System Pressure Switch

- (1) Clean the component interfaces and the adjacent area.
- (2) Do an inspection of the component interfaces and the adjacent area.
- (3) Lubricate the new IPC -CSN (29-32-03-01-070) O-ring (3) or IPC -CSN (29-32-83-01-090) O-ring (3) with Phosphate Ester Hydraulic Fluid-General Power - - (Material No. 02ABA1).
- (4) Remove the blanking plugs from the ports of the manifold.
- (5) Put the new O-ring (3) in position on the system pressure switch (2).
- (6) Install the system pressure switch (2) in the manifold (4).
- (7) TORQUE the system pressure switch (2) **to between 3.20 and 3.45 m.daN (23.60 and 25.44 lbf.ft)**.
- (8) Safety the system pressure switch (2) with lockwire, corrosion-resistant steel 0.8 mm (0.032 in.)
- (9) Install the clamp (9), the bonding jumper (7), the screw (8), the washer (6) and the nut (5) at the system pressure switch (2) (Ref. AMM TASK 20-28-00-912-004) .
- (10) Remove the blanking cap from the electrical connector.
- (11) Make sure that all the electrical connections are clean and in the correct condition.
- (12) Connect the electrical connector (1) to the system pressure switch (2).

Subtask 29-32-12-865-053-A

##### B. Remove the safety clip(s) and the tag(s) and close this(these) circuit breaker(s):

PANEL	DESIGNATION	FIN	LOCATION
49VU	FLIGHT CONTROLS/ELAC1/NORM/ SPLY	15CE1	B11
105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	FLIGHT CONTROLS/SEC3/SPLY	21CE3	Q19
121VU	FLIGHT CONTROLS/SEC2/SPLY	21CE2	Q18
121VU	FLIGHT CONTROLS/ELAC2/NORM/ SPLY	15CE2	R20

Subtask 29-32-12-790-050-A

##### C. Leak Test of the Hydraulic Connections

- (1) Pressurize the reservoir of the Green hydraulic system (Ref. AMM TASK 29-14-00-614-002) .

- (2) Pressurize the Green hydraulic system (Ref. AMM TASK 29-10-00-863-001) or (Ref. AMM TASK 29-23-00-863-001) .
- (3) Examine the connection of the system pressure switch and make sure that there are no leaks.
- (4) Depressurize the Green hydraulic system (Ref. AMM TASK 29-10-00-864-001) .

Subtask 29-32-12-710-050-A

D. Do the operational test of the hydraulic pressure indicating system (Ref. AMM TASK 29-32-00-710-001) .

## 5. Close-up

Subtask 29-32-12-860-052-A

A. Put the aircraft back to the serviceable condition.

- (1) Remove the container.
- (2) Connect the isolation coupling of the Power Transfer Unit (PTU) (Ref. AMM TASK 29-23-00-860-002) .
- (3) Remove the access platform(s).
- (4) Remove the warning notice(s).

Subtask 29-32-12-410-050-A

B. Close Access

- (1) Make sure that the work area is clean and clear of tools and other items.
- (2) Close the main door of the main gear (Ref. AMM TASK 32-12-00-410-001) .

TASK 29-32-12-000-002-A

Removal of the System Pressure Switch

**WARNING: MAKE SURE THAT THE TRAVEL RANGES OF THE FLIGHT CONTROL SURFACES ARE CLEAR BEFORE YOU PRESSURIZE/DEPRESSURIZE A HYDRAULIC SYSTEM.**

**WARNING: MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR. THIS WILL PREVENT UNWANTED MOVEMENT OF THE LANDING GEAR, AND THUS POSSIBLE INJURY TO PERSONS AND DAMAGE TO THE AIRCRAFT AND/OR EQUIPMENT.**

FIN : 2151GN

1. Reason for the Job  
Self explanatory

2. Job Set-up Information

A. Fixtures, Tools, Test and Support Equipment

REFERENCE	QTY	DESIGNATION
No specific	1	CAP - BLANKING
No specific	1	CONTAINER - HYDRAULIC FLUID RESISTANT
No specific	AR	PLUG - BLANKING
No specific	AR	SAFETY CLIP - CIRCUIT BREAKER
No specific	2	WARNING NOTICE(S)

B. Work Zones and Access Panels

Customer : CSN Type : A318/A319/A320/A321 Rev. Date : May 01, 2018	Manual : AMM Selected applicability : 0054-0054
29-32-12 PB 401 CONF 00 - PRESSURE SWITCH - SYSTEM - REMOVAL/INSTALLATION	

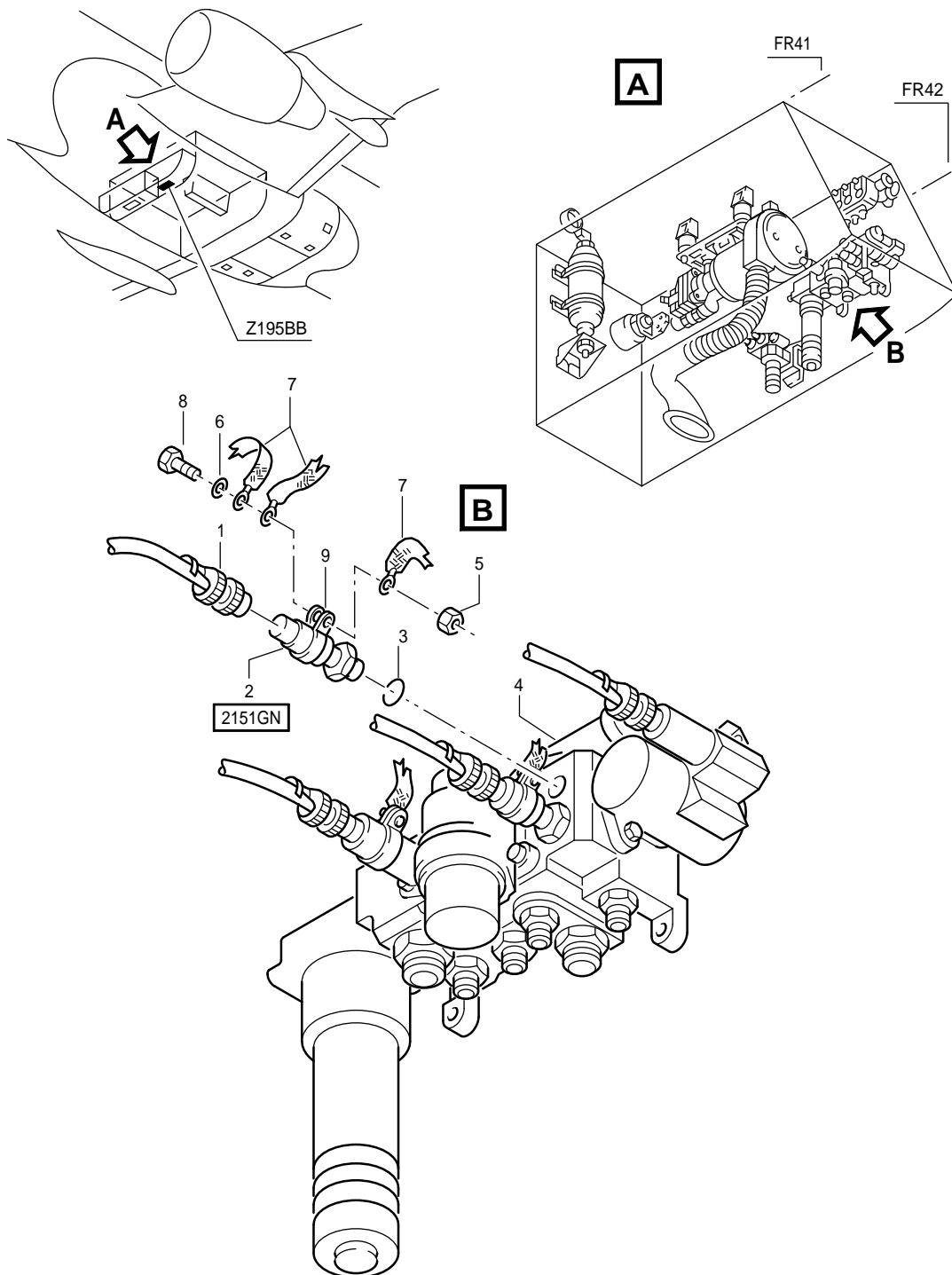
ZONE/ACCESS	ZONE DESCRIPTION
195BB	

## C. Referenced Information

REFERENCE	DESIGNATION
(Ref. 29-00-00-864-001-A).	Put the Related Hydraulic System in the Depressurized Configuration before Maintenance Action
(Ref. 29-00-00-910-002-A).	Safety Procedures of the Hydraulic System
(Ref. 29-14-00-614-001-A).	Depressurization of the Hydraulic Reservoirs
System Pressure Switch of the Blue Hydraulic System SHEET 1	



29-32-12 PB 401 CONF 00 - PRESSURE  
SWITCH - SYSTEM - REMOVAL/INSTALLATION



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Figure 29-32-12-991-00200-00-B / SHEET 1/1 - System Pressure Switch of the Blue Hydraulic System  
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### 3. Job Set-up

Subtask 29-32-12-860-054-A

#### A. Aircraft Maintenance Configuration

#### **WARNING: OBEY THE HYDRAULIC SAFETY PROCEDURES.**

- (1) Obey the hydraulic safety procedures (Ref. AMM TASK 29-00-00-910-002) .
- (2) Make sure that the Blue hydraulic system is depressurized and put it in the maintenance configuration.  
(Ref. AMM TASK 29-00-00-864-001) .
- (3) Depressurize the reservoir of the Blue hydraulic system (Ref. AMM TASK 29-14-00-614-001) .
- (4) Put the WARNING NOTICE(S) in position to tell persons not to pressurize the Blue hydraulic system:
  - in the cockpit on the hydraulic section 40VU of the overhead panel,
  - on the ground service panel of the Blue hydraulic system.
- (5) Open the access panel 195BB.
- (6) Put the CONTAINER - HYDRAULIC FLUID RESISTANT in position below the system pressure switch to collect any hydraulic fluid.

Subtask 29-32-12-865-051-A

#### B. Open, safety and tag this(these) circuit breaker(s):

PANEL	DESIGNATION	FIN	LOCATION
49VU	FLIGHT CONTROLS/ELAC1/NORM/ SPLY	15CE1	B11
105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	FLIGHT CONTROLS/SEC3/SPLY	21CE3	Q19
121VU	FLIGHT CONTROLS/SEC2/SPLY	21CE2	Q18
121VU	FLIGHT CONTROLS/ELAC2/NORM/ SPLY	15CE2	R20

### 4. Procedure

(Ref. Fig. System Pressure Switch of the Blue Hydraulic System SHEET 1)

Subtask 29-32-12-020-053-B

#### A. Removal of the System Pressure Switch

- (1) Disconnect the electrical connector (1).
- (2) Put the CAP - BLANKING on the disconnected electrical connector (1).
- (3) Remove the nut (5), the washer (6), the screw (8), the bonding jumper (7) and the clamp (9) from the system pressure switch (2).
- (4) Cut and remove the lockwire.
- (5) Loosen the system pressure switch (2) and remove it together with the O-ring (3) from the manifold (4).
- (6) Discard the O-ring.
- (7) Install a PLUG - BLANKING in the open ports.

TASK 29-32-12-400-002-A

Installation of the System Pressure Switch

**WARNING: MAKE SURE THAT THE TRAVEL RANGES OF THE FLIGHT CONTROL SURFACES ARE CLEAR BEFORE YOU PRESSURIZE/DEPRESSURIZE A HYDRAULIC SYSTEM.**

**WARNING: MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR. THIS WILL PREVENT UNWANTED MOVEMENT OF THE LANDING GEAR, AND THUS POSSIBLE INJURY TO PERSONS AND DAMAGE TO THE AIRCRAFT AND/OR EQUIPMENT.**

FIN : 2151GN

1. Reason for the Job

Self explanatory

2. Job Set-up Information

A. Fixtures, Tools, Test and Support Equipment

REFERENCE	QTY	DESIGNATION
No specific	1	CONTAINER - HYDRAULIC FLUID RESISTANT
No specific	2	WARNING NOTICE(S)
No specific		Torque wrench: range <b>to between 3.186 and 3.470 m.daN (23.50 and 25.59 lbf.ft)</b>

B. Consumable Materials

REFERENCE	DESIGNATION
(Material No. 02ABA1)	Phosphate Ester Hydraulic Fluid-General Power - -

C. Work Zones and Access Panels

ZONE/ACCESS	ZONE DESCRIPTION
195BB	

D. Expendable Parts

FIG.ITEM	DESIGNATION	IPC-CSN
3	O-ring	29-32-03-02-070
3	O-ring	29-32-83-02-100

E. Referenced Information

REFERENCE	DESIGNATION
(Ref. 20-28-00-912-004-A).	Electrical Bonding of Components With Conductive Bolts and Screws and Bonding Straps in the Fuselage and in the Wings (this does not include the tanks)
(Ref. 29-00-00-864-001-A).	Put the Related Hydraulic System in the Depressurized Configuration before Maintenance Action
(Ref. 29-00-00-910-002-A).	Safety Procedures of the Hydraulic System
(Ref. 29-10-00-863-003-A).	Pressurize the Blue Hydraulic System with a Hydraulic Ground Power-Cart
(Ref. 29-10-00-863-003-A-01).	Pressurize the Blue Hydraulic System with the Blue Electric Pump

REFERENCE	DESIGNATION
(Ref. 29-10-00-864-003-A).	Depressurize the Blue Hydraulic System
(Ref. 29-14-00-614-001-A).	Depressurization of the Hydraulic Reservoirs
(Ref. 29-14-00-614-002-A).	Pressurization of the Hydraulic Reservoirs through the Ground Connector
(Ref. 29-14-00-614-002-A-01).	Pressurization of the Hydraulic Reservoirs with the Auxiliary Power Unit (APU)
(Ref. 29-32-00-710-002-A).	Operational Test of the Pressure Switches , Pressure Transducer and the associated Indicating System of the Blue Hydraulic System
System Pressure Switch of the Blue Hydraulic System SHEET 1	

### 3. Job Set-up

Subtask 29-32-12-860-056-A

#### A. Aircraft Maintenance Configuration

#### **WARNING: OBEY THE HYDRAULIC SAFETY PROCEDURES.**

- (1) Obey the hydraulic safety procedures (Ref. AMM TASK 29-00-00-910-002) .
- (2) Make sure that the Blue hydraulic system is depressurized and put it in the maintenance configuration.  
(Ref. AMM TASK 29-00-00-864-001) .
- (3) Make sure that the reservoir of the Blue hydraulic system is depressurized.  
(Ref. AMM TASK 29-14-00-614-001) .
- (4) Make sure that the WARNING NOTICE(S) are in position:
  - In the cockpit on the hydraulic section 40VU of the overhead panel,
  - On the ground service panel of the Blue hydraulic system.
- (5) Make sure that the access panel 195BB is open.
- (6) Make sure that the CONTAINER - HYDRAULIC FLUID RESISTANT is in position below the location of the system pressure switch.

Subtask 29-32-12-865-057-A

#### B. Make sure that this(these) circuit breaker(s) is(are) open, safetied and tagged:

PANEL	DESIGNATION	FIN	LOCATION
49VU	FLIGHT CONTROLS/ELAC1/NORM/SPLY	15CE1	B11
105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	FLIGHT CONTROLS/SEC3/SPLY	21CE3	Q19
121VU	FLIGHT CONTROLS/SEC2/SPLY	21CE2	Q18
121VU	FLIGHT CONTROLS/ELAC2/NORM/SPLY	15CE2	R20

### 4. Procedure

(Ref. Fig. System Pressure Switch of the Blue Hydraulic System SHEET 1)

Subtask 29-32-12-420-053-B

#### A. Installation of the System Pressure Switch

- (1) Clean the component interfaces and the adjacent area.
- (2) Do an inspection of the component interfaces and the adjacent area.

Customer : CSN Type : A318/A319/A320/A321 Rev. Date : May 01, 2018	Manual : AMM Selected applicability : 0054-0054
29-32-12 PB 401 CONF 00 - PRESSURE SWITCH - SYSTEM - REMOVAL/INSTALLATION	

- (3) Lubricate the new IPC -CSN (29-32-03-02-070) O-ring (3) or IPC -CSN (29-32-83-02-100) O-ring (3) with Phosphate Ester Hydraulic Fluid-General Power - - (Material No. 02ABA1).
- (4) Remove the blanking plugs from the ports of the manifold.
- (5) Put the new O-ring (3) in position on the system pressure switch (2).
- (6) Install the system pressure switch (2) in the manifold (4) and TORQUE **to between 3.186 and 3.470 m.daN (23.50 and 25.59 lbf.ft).**
- (7) Safety the system pressure switch (2) with lockwire, corrosion-resistant steel 0.8 mm (0.032 in.).
- (8) Install the clamp (9), the bonding jumper (7), the screw (8), the washer (6) and the nut (5) at the system pressure switch (2) (Ref. AMM TASK 20-28-00-912-004) .
- (9) Remove the blanking cap from the electrical connector (1).
- (10) Make sure that all the electrical connections are clean and in the correct condition.
- (11) Connect the electrical connector (1) to the system pressure switch (2).

Subtask 29-32-12-865-054-A

B. Remove the safety clip(s) and the tag(s) and close this(these) circuit breaker(s):

PANEL	DESIGNATION	FIN	LOCATION
49VU	FLIGHT CONTROLS/ELAC1/NORM/ SPLY	15CE1	B11
105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	FLIGHT CONTROLS/SEC3/SPLY	21CE3	Q19
121VU	FLIGHT CONTROLS/SEC2/SPLY	21CE2	Q18
121VU	FLIGHT CONTROLS/ELAC2/NORM/ SPLY	15CE2	R20

Subtask 29-32-12-790-051-A

C. Leak Test of the Hydraulic Connections

- (1) Pressurize the reservoir of the Blue hydraulic system (Ref. AMM TASK 29-14-00-614-002) .
- (2) Pressurize the Blue hydraulic system (Ref. AMM TASK 29-10-00-863-003) .
- (3) Examine the connection of the system pressure switch and make sure that there are no leaks.
- (4) Depressurize the Blue hydraulic system (Ref. AMM TASK 29-10-00-864-003) .

Subtask 29-32-12-710-051-A

D. Do the operational test of the hydraulic pressure indicating system (Ref. AMM TASK 29-32-00-710-002) .

## 5. Close-up

Subtask 29-32-12-860-057-A

A. Put the aircraft back to the serviceable condition.

- (1) Remove the container.
- (2) Remove the warning notice(s).
- (3) Make sure that the work area is clean and clear of tools and other items.
- (4) Close the access panel 195BB.

TASK 29-32-12-000-003-A

Removal of the System Pressure Switch

**WARNING: MAKE SURE THAT THE TRAVEL RANGES OF THE FLIGHT CONTROL SURFACES ARE CLEAR BEFORE YOU PRESSURIZE/DEPRESSURIZE A HYDRAULIC SYSTEM.**

**WARNING: MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR. THIS WILL PREVENT UNWANTED MOVEMENT OF THE LANDING GEAR, AND THUS POSSIBLE INJURY TO PERSONS AND DAMAGE TO THE AIRCRAFT AND/OR EQUIPMENT.**

FIN : 3151GN

1. Reason for the Job

Self explanatory

2. Job Set-up Information

A. Fixtures, Tools, Test and Support Equipment

REFERENCE	QTY	DESIGNATION
No specific	1	CAP - BLANKING
No specific	1	CONTAINER - HYDRAULIC FLUID RESISTANT
No specific	AR	PLUG - BLANKING
No specific	AR	SAFETY CLIP - CIRCUIT BREAKER
No specific	2	WARNING NOTICE(S)

B. Work Zones and Access Panels

ZONE/ACCESS	ZONE DESCRIPTION
196BB	

C. Referenced Information

REFERENCE	DESIGNATION
(Ref. 29-00-00-864-001-A).	Put the Related Hydraulic System in the Depressurized Configuration before Maintenance Action
(Ref. 29-00-00-910-002-A).	Safety Procedures of the Hydraulic System
(Ref. 29-14-00-614-002-A).	Pressurization of the Hydraulic Reservoirs through the Ground Connector
(Ref. 29-14-00-614-002-A-01).	Pressurization of the Hydraulic Reservoirs with the Auxiliary Power Unit (APU)
(Ref. 29-23-00-860-001-A).	Disconnection of the Isolation Coupling of the Power Transfer Unit (PTU)
(Ref. 32-12-00-010-001-A).	Open the Main Gear Doors for Access
System Pressure Switch of the Green and Yellow Hydraulic Systems SHEET 1	

3. Job Set-up

Subtask 29-32-12-010-052-A

A. Get Access

- (1) Open one main door of the main gear (Ref. AMM TASK 32-12-00-010-001) .
- (2) Open the access panel 196BB.

Subtask 29-32-12-865-052-A

B. Open, safety and tag this(these) circuit breaker(s):

PANEL	DESIGNATION	FIN	LOCATION
49VU	FLIGHT CONTROLS/ELAC1/NORM/ SPLY	15CE1	B11
105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	FLIGHT CONTROLS/SEC3/SPLY	21CE3	Q19
121VU	FLIGHT CONTROLS/SEC2/SPLY	21CE2	Q18
121VU	FLIGHT CONTROLS/ELAC2/NORM/ SPLY	15CE2	R20

Subtask 29-32-12-860-051-A

C. Aircraft Maintenance Configuration

**WARNING: OBEY THE HYDRAULIC SAFETY PROCEDURES.**

- (1) Obey the hydraulic safety procedures (Ref. AMM TASK 29-00-00-910-002) .
- (2) Make sure that the Yellow hydraulic system is depressurized and put it in the maintenance configuration.  
(Ref. AMM TASK 29-00-00-864-001) .
- (3) Depressurize the reservoir of the Yellow hydraulic system (Ref. AMM TASK 29-14-00-614-002) .
- (4) Put the WARNING NOTICE(S) in position to tell persons not to pressurize the Yellow hydraulic system:
  - in the cockpit on the hydraulic section 40VU of the overhead panel,
  - on the ground service panel of the Yellow hydraulic system.
- (5) Disconnect the isolation coupling of the Power Transfer Unit (PTU) (Ref. AMM TASK 29-23-00-860-001) .
- (6) Put the CONTAINER - HYDRAULIC FLUID RESISTANT in position below the system pressure switch to collect any hydraulic fluid.

4. Procedure

(Ref. Fig. System Pressure Switch of the Green and Yellow Hydraulic Systems SHEET 1)

Subtask 29-32-12-020-054-B

A. Removal of the System Pressure Switch

- (1) Disconnect the electrical connector (1).
- (2) Put the CAP - BLANKING on the disconnected electrical connector (1).
- (3) Remove the nut (5), the washer (6), the screw (8), the bonding jumper (7) and the clamp (9) from the system pressure switch (2).
- (4) Cut and remove the lockwire.
- (5) Loosen the system pressure switch (2) and remove it together with the O-ring (3) from the manifold (4).
- (6) Discard the O-ring.
- (7) Install a PLUG - BLANKING in the open ports.

TASK 29-32-12-400-003-A

Installation of the System Pressure Switch



**WARNING: MAKE SURE THAT THE TRAVEL RANGES OF THE FLIGHT CONTROL SURFACES ARE CLEAR BEFORE YOU PRESSURIZE/DEPRESSURIZE A HYDRAULIC SYSTEM.**

**WARNING: MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR. THIS WILL PREVENT UNWANTED MOVEMENT OF THE LANDING GEAR, AND THUS POSSIBLE INJURY TO PERSONS AND DAMAGE TO THE AIRCRAFT AND/OR EQUIPMENT.**

FIN : 3151GN

1. Reason for the Job

Self explanatory

2. Job Set-up Information

A. Fixtures, Tools, Test and Support Equipment

REFERENCE	QTY	DESIGNATION
No specific	1	CONTAINER - HYDRAULIC FLUID RESISTANT
No specific	2	WARNING NOTICE(S)
No specific		Torque wrench: range <b>to between 3.186 and 3.470 m.daN (23.50 and 25.59 lbf.ft)</b>

B. Consumable Materials

REFERENCE	DESIGNATION
(Material No. 02ABA1)	Phosphate Ester Hydraulic Fluid-General Power - -

C. Work Zones and Access Panels

ZONE/ACCESS	ZONE DESCRIPTION
196BB	

D. Expendable Parts

FIG.ITEM	DESIGNATION	IPC-CSN
3	O-ring	29-32-03-03-070
3	O-ring	29-32-83-03-100

E. Referenced Information

REFERENCE	DESIGNATION
(Ref. 20-28-00-912-004-A).	Electrical Bonding of Components With Conductive Bolts and Screws and Bonding Straps in the Fuselage and in the Wings (this does not include the tanks)
(Ref. 29-00-00-864-001-A).	Put the Related Hydraulic System in the Depressurized Configuration before Maintenance Action
(Ref. 29-00-00-910-002-A).	Safety Procedures of the Hydraulic System
(Ref. 29-10-00-863-002-A).	Pressurize the Yellow Hydraulic System with a Hydraulic Ground Power-Cart
(Ref. 29-10-00-864-002-A).	Depressurize the Yellow Hydraulic System



Customer : CSN Type : A318/A319/A320/A321 Rev. Date : May 01, 2018	Manual : AMM Selected applicability : 0054-0054
29-32-12 PB 401 CONF 00 - PRESSURE SWITCH - SYSTEM - REMOVAL/INSTALLATION	

REFERENCE	DESIGNATION
(Ref. 29-14-00-614-001-A).	Depressurization of the Hydraulic Reservoirs
(Ref. 29-14-00-614-002-A).	Pressurization of the Hydraulic Reservoirs through the Ground Connector
(Ref. 29-14-00-614-002-A-01).	Pressurization of the Hydraulic Reservoirs with the Auxiliary Power Unit (APU)
(Ref. 29-23-00-860-001-A).	Disconnection of the Isolation Coupling of the Power Transfer Unit (PTU)
(Ref. 29-23-00-860-002-A).	Connection of the Isolation Coupling of the Power Transfer Unit (PTU)
(Ref. 29-32-00-710-003-A).	Operational Test of the System Pressure Switch , Pressure Transducer and the associated Indicating System of the Yellow Hydraulic System
(Ref. 32-12-00-010-001-A).	Open the Main Gear Doors for Access
(Ref. 32-12-00-410-001-A).	Close the Main Gear Doors after Access
System Pressure Switch of the Green and Yellow Hydraulic Systems SHEET 1	

### 3. Job Set-up

Subtask 29-32-12-860-058-A

A. Aircraft Maintenance Configuration

#### **WARNING: OBEY THE HYDRAULIC SAFETY PROCEDURES.**

- (1) Obey the hydraulic safety procedures (Ref. AMM TASK 29-00-00-910-002) .
- (2) Make sure that the Yellow hydraulic system is depressurized and put it in the maintenance configuration.  
(Ref. AMM TASK 29-00-00-864-001) .
- (3) Make sure that the reservoir of the Yellow hydraulic system is depressurized.  
(Ref. AMM TASK 29-14-00-614-001) .
- (4) Make sure that the WARNING NOTICE(S) are in position to tell persons not to pressurize the Yellow hydraulic system:
  - In the cockpit on the hydraulic section 40VU of the overhead panel,
  - On the ground service panel of the Yellow hydraulic system.
- (5) Make sure that one main door of the main gear is open (Ref. AMM TASK 32-12-00-010-001) .
- (6) Make sure that the access panel 196BB is open.
- (7) Make sure that the isolation coupling of the Power Transfer Unit (PTU) is disconnected  
(Ref. AMM TASK 29-23-00-860-001) .
- (8) Make sure that the CONTAINER - HYDRAULIC FLUID RESISTANT is in position below the location of the system pressure switch.

Subtask 29-32-12-865-058-A

B. Make sure that this(these) circuit breaker(s) is(are) open, safetied and tagged:

PANEL	DESIGNATION	FIN	LOCATION
49VU	FLIGHT CONTROLS/ELAC1/NORM/SPLY	15CE1	B11
105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	FLIGHT CONTROLS/SEC3/SPLY	21CE3	Q19
121VU	FLIGHT CONTROLS/SEC2/SPLY	21CE2	Q18

PANEL	DESIGNATION	FIN	LOCATION
121VU	FLIGHT CONTROLS/ELAC2/NORM/ SPLY	15CE2	R20

#### 4. Procedure

(Ref. Fig. System Pressure Switch of the Green and Yellow Hydraulic Systems SHEET 1)

Subtask 29-32-12-420-054-B

##### A. Installation of the Pressure Switch

- (1) Clean the component interfaces and the adjacent area.
- (2) Do an inspection of the component interfaces and the adjacent area.
- (3) Remove the blanking plugs from the ports of the manifold.
- (4) Lubricate the new IPC -CSN (29-32-03-03-070) O-ring (3) or IPC -CSN (29-32-83-03-100) O-ring (3) with Phosphate Ester Hydraulic Fluid-General Power - - (Material No. 02ABA1).
- (5) Put the new O-ring (3) in position on the system pressure switch (2).
- (6) Install the system pressure switch (2) in the manifold (4) and TORQUE **to between 3.186 and 3.470 m.daN (23.50 and 25.59 lbf.ft)**.
- (7) Safety the system pressure switch (2) with lockwire, corrosion-resistant steel 0.8 mm (0.032 in.).
- (8) Install the clamp (9), the bonding jumper (7), the screw (8), the washer (6) and the nut (5) at the system pressure switch (2) (Ref. AMM TASK 20-28-00-912-004) .
- (9) Remove the blanking cap from the electrical connector (1).
- (10) Make sure that all the electrical connections are clean and in the correct condition.
- (11) Connect the electrical connector (1) to the system pressure switch (2).

Subtask 29-32-12-865-055-A

##### B. Remove the safety clip(s) and the tag(s) and close this(these) circuit breaker(s):

PANEL	DESIGNATION	FIN	LOCATION
49VU	FLIGHT CONTROLS/ELAC1/NORM/ SPLY	15CE1	B11
105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	FLIGHT CONTROLS/SEC3/SPLY	21CE3	Q19
121VU	FLIGHT CONTROLS/SEC2/SPLY	21CE2	Q18
121VU	FLIGHT CONTROLS/ELAC2/NORM/ SPLY	15CE2	R20

Subtask 29-32-12-790-052-A

##### C. Leak Test of the Hydraulic Connections

- (1) Pressurize the reservoir of the Yellow hydraulic system (Ref. AMM TASK 29-14-00-614-002) .
- (2) Pressurize the Yellow hydraulic system (Ref. AMM TASK 29-10-00-863-002) .
- (3) Examine the connection of the system pressure switch and make sure that there are no leaks.
- (4) Depressurize the Yellow hydraulic system (Ref. AMM TASK 29-10-00-864-002) .

Subtask 29-32-12-710-052-A

##### D. Do the operational test of the hydraulic pressure indicating system (Ref. AMM TASK 29-32-00-710-003) .

#### 5. Close-up

Customer : CSN Type : A318/A319/A320/A321 Rev. Date : May 01, 2018	Manual : AMM Selected applicability : 0054-0054
29-32-12 PB 401 CONF 00 - PRESSURE SWITCH - SYSTEM - REMOVAL/INSTALLATION	

## Subtask 29-32-12-860-053-A

A. Put the aircraft back to the serviceable condition.

- (1) Remove the container.
- (2) Connect the isolation coupling of the Power Transfer Unit (PTU) (Ref. AMM TASK 29-23-00-860-002) .
- (3) Remove the warning notice(s).

## Subtask 29-32-12-410-052-A

B. Close Access

- (1) Make sure that the work area is clean and clear of tools and other items.
- (2) Close the main door of the main gear (Ref. AMM TASK 32-12-00-410-001) .
- (3) Close the access panel 196BB.

Figure 29-32-12-991-00100-00-D / SHEET 1/1 - System Pressure Switch of the Green and Yellow Hydraulic Systems

Figure 29-32-12-991-00200-00-B / SHEET 1/1 - System Pressure Switch of the Blue Hydraulic System

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