A220

Service Bulletin
Fuel - Distribution - Inspection and Installation of Safety Cable and New Flange Adaptor to Fuel Pressure Switches

BD500-282014
Issue No. 004

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AIRBUS

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The listed documents are included in Issue 004, dated 2022-01-18, of this publication.

Document title	Data module code	Issue date	Applicable to
Fuel - Distribution - Inspection and Installation of Safety Cable and New Flange Adaptor to Fuel Pressure Switches - Service Bulletin	BD500-A-J28-20-14-00AAA-930A-A	2022-01-06	50010-50018, 50020-50062, 55003-55016, 55018-55143
Inspection and Installation of Safety Cable and New Flange Adaptor to Fuel Pressure Switches - Material information	BD500-A-J28-20-14-01AAA-934A-A	2022-01-06	50010-50018, 50020-50062, 55003-55016, 55018-55143
PART A - Inspection of the Engine Feed Pressure Switches - Accomplishment instruction	BD500-A-J28-20-14-01AAA-933A-A	2022-01-06	50010-50018, 50020-50062, 55003-55016, 55018-55143
PART B - Installation of Safety Cable and New Flange Adaptor to Fuel Pressure Switches - Accomplishment instruction	BD500-A-J28-20-14-02AAA-933A-A	2022-01-06	50010-50018, 50020-50062, 55003-55016, 55018-55143
500SHW-28-2106 - Spirit Service Bulletin	BD500-A-J28-20-14-01AAA-910B-A	2022-01-06	50010-50018, 50020-50062, 55003-55016, 55018-55143
500SHW-28-2108 - Spirit Service Bulletin	BD500-A-J28-20-14-02AAA-910B-A	2022-01-06	50010-50018, 50020-50062, 55003-55016, 55018-55143

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Fuel - Distribution - Inspection and Installation of Safety Cable and New Flange Adaptor to Fuel Pressure Switches - Service Bulletin

Applicability: 50010-50018, 50020-50062, 55003-55016, 55018-55143

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BD500-A-J28-20-14-01AAA-934A-A	Inspection and Installation of Safety Cable and New Flange Adaptor to Fuel Pressure Switches - Material information
BD500-A-J28-20-14-01AAA-933A-A	PART A - Inspection of the Engine Feed Pressure Switches - Accomplishment instruction
BD500-A-J28-20-14-02AAA-933A-A	PART B - Installation of Safety Cable and New Flange Adaptor to Fuel Pressure Switches - Accomplishment instruction

Service Bulletin

Common information

THIS SERVICE BULLETIN IS SENT TO EACH OPERATOR. IF THE OPERATOR HAS LEASED AIRCRAFT, SEND THE SERVICE BULLETIN TO THE LESSEE. IF THE OPERATOR HAS SOLD AIRCRAFT OR TRANSFERRED SPARES IN THE LAST SIX MONTHS, SEND THIS SERVICE BULLETIN TO THE NEW OWNER, UNLESS CONFIRMATION WAS RECEIVED THAT AIRBUS HAS INCLUDED THE NEW OPERATOR ON THE DISTRIBUTION LIST.

Management information

Compliance category: Recommended (Service bulletin recommended to be accomplished to prevent significant operational disruptions)

Task category: Inspection

Original issue date: 2021-03-22

Impact list
None

Accomplishment limits
Time compliance: Repetitive interval
Remarks:
Refer to the Compliance section of the Planning Information section.

Replacement service bulletin
None

Revision information

Revision information
The revision information letter transmits:

Issue 004 of Service Bulletin BD500-282014, dated 2022-01-28.

Additional work

For Aircraft that have incorporated a previous issue of this service bulletin, it is necessary to review the compliance section.

Revision reason
Revised the Material information section to:

Add a note to the kit BD500282014K1

This revision also includes small editorial changes that do not have an effect on the technical content.

Revision history
Issue 001, dated 2021-03-22

Issue 002, dated 2021-12-01

Issue 003, dated 2021-12-07

Revision sequence
Discard the copy of Service Bulletin BD500-282014, Issue 003, dated 2021-12-07. Replace with the copy attached.

Summary

Applicability
BD-500-1A10, Aircraft 50010 thru 50018 and 50020 thru 50062

BD-500-1A11, Aircraft 55003 thru 55016 and 55018 thru 55143

Reason
The engine feed pressure switches were installed with no secondary locking mechanism and can become loose and cause a fuel leak.

Description
This service bulletin is divided into two parts: PART A and PART B.

PART A - Inspection of the Engine Feed Pressure Switches

The aircraft is put in standard configuration for maintenance. Spirit service bulletin 500SHW-28-2106 is done.

PART B - Installation of Safety Cable and New Flange Adaptor to Fuel Pressure Switches

The aircraft is put in standard configuration for maintenance. Spirit service bulletin 500SHW-28-2108 is done.

Concurrent requirements
None

Manpower
It will take an estimated 0.5 h to complete PART A of this service bulletin.

Note

This estimate does not include the man-hours necessary to do the Spirit service bulletin 500SHW-28-2106.

It will take an estimated 0.5 h to complete PART B of this service bulletin.

Note

This estimate does not include the man-hours necessary to do the Spirit service bulletin 500SHW-28-2108.

Material information
Refer to Spirit service bulletin 500SHW-28-2106.

Refer to Spirit service bulletin 500SHW-28-2108.

BD500-A-J28-20-14-01AAA-934A-A

Planning information

Applicability
Aircraft affected:

AIRCRAFT MODEL	SERVICE AIRCRAFT SERIAL NUMBER	PRODUCTION AIRCRAFT SERIAL NUMBERS
BD-500-1A10	50010 thru 50018 and 50020 thru 50062	50019, 50063 and subsequent serial numbers [1]
BD-500-1A11	55003 thru 55016 and 55018 thru 55143	55017, 55144 and subsequent serial numbers[1]

1	Aircraft will have an equivalent modification incorporated before delivery.

Note

The instructions in this service bulletin are only applicable to the systems and parts installed at the time of delivery of the aircraft or as changed by Airbus Service Bulletins. Before you do this service bulletin, examine all Supplemental Type Certificates (STCs), Supplemental Type Approvals (STAs), or equivalent action changes to make sure that you can complete this service bulletin.

Reason

Problem and effect

The engine feed pressure switches were installed with no secondary locking mechanism and can become loose and cause a fuel leak.

Objective/Solution

This service bulletin gives the instructions to do Spirit service bulletin 500SHW-28-2106, which inspects and if necessary torques the engine feed pressure switch and instructions to do Spirit service bulletin 500SHW-28-2108 that adds lockwire and flange adapter to the engine feed pressure switch.

Description

This service bulletin is divided into two parts: PART A and PART B.

PART A - Inspection of the Engine Feed Pressure Switches

The aircraft is put in standard configuration for maintenance. Spirit service bulletin 500SHW-28-2106 is done.

PART B - Installation of Safety Cable and New Flange Adaptor to Fuel Pressure Switches

The aircraft is put in standard configuration for maintenance. Spirit service bulletin 500SHW-28-2108 is done.

Compliance

Recommended Service Bulletin

Airbus recommends that PART A of this service bulletin be done at no later than 935 flight hours from the release of the service bulletin, unless otherwise directed by the airworthiness authority of the operator.

Airbus recommends that PART A of this service bulletin be repeated at intervals of no later 935 flight hours from the initial inspection date until PART B of this service bulletin is completed at no later than 9350 flight hours from the release of the service bulletin, unless otherwise directed by the airworthiness authority of the operator.

Note

If it is not possible to complete all the instructions in this service bulletin because of the configuration of the aircraft, speak with a CRC representative at 1 866 A220 CRC (1-866-222-0272) or 1-450-476-7676 or e-mail at A220_crc@abc.airbus for analysis and to get an approved disposition to complete this service bulletin.

Note

This service bulletin does not affect Airworthiness Limitations Items (ALIs) or Damage Tolerance Inspections (DTIs).

Concurrent requirements

None

Approval

The technical content of this service bulletin has been approved under the authority of the TC-CA Design Approval Organization No: DAO #19-Q-02.

Manpower

The man-hours given below are estimates for direct labor done by an experienced crew on an aircraft prepared for maintenance.

These estimates do not include the time necessary for:

- Administrative functions such as planning, liaising, familiarization, and report writing.
- Non-productive elapsed time such as rest time, having meals, and crew shift changes.
- Elapsed time such as for paint to dry, sealant to cure, and fuel tank venting.
- Preparation for modification (unless specified in the Accomplishment Instructions) such as cleaning and getting parts, tools, consumables, and ground equipment.
- Quality assurance inspections, troubleshooting and/or correction of discrepancies found when a task is done.
- All other activities that are not considered by Airbus as directly related to the accomplishment of this procedure.

It will take an estimated 0.5 h to complete PART A of this service bulletin. The man-hours are divided as shown in the table that follows:

TASK	MAN-HOURS
Job Set-Up	0.25 h
Procedure	0.0 h
Test	0.0 h
Job Close-Up	0.25 h

Note

These estimates do not include the man-hours necessary to do Spirit Service Bulletin 500SHW-28-2106.

It will take an estimated 0.5 h to complete PART B of this service bulletin. The man-hours are divided as shown in the table that follows:

TASK	MAN-HOURS
Job Set-Up	0.25 h

TASK	MAN-HOURS
Procedure	0.0 h
Test	0.0 h
Job Close-Up	0.25 h

Note

These estimates do not include the man-hours necessary to do Spirit Service Bulletin 500SHW-28-2108.

Weight and balance

Not changed

Electrical load data

Not changed

Referenced documentation

Refer to the SB Introduction document BD500-000000 for definition or explanation of service bulletin content.

Modification Summary 500T103731, Revision A-3

For Airbus reference only: Restriction and/or Special Instruction (RSI) C-500-000-28-0022, Revision B

Spirit Service Bulletin 500SHW-28-2106 Issue 002, November 18 2021

Spirit Service Bulletin 500SHW-28-2108, November 19 2021

For Airbus reference only: PCR 59910

Documentation affected

1 Maintenance Publications

None

2 Operational Publications

None

Industry support information

For on-site labor assistance, please speak with a CRC representative at 1 866 A220 CRC (1-866-222-0272) or 1-450-476-7676 or e-mail at A220_crc@abc.airbus.

Material information

Refer to Spirit service bulletin 500SHW-28-2106.

Refer to Spirit service bulletin 500SHW-28-2106.

BD500-A-J28-20-14-01AAA-934A-A

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Accomplishment instructions

PART A BD500-A-J28-20-14-01AAA-933A-A

PART B BD500-A-J28-20-14-02AAA-933A-A

Additional information

None

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Inspection and Installation of Safety Cable and New Flange Adaptor to Fuel Pressure Switches - Material information

Applicability: 50010-50018, 50020-50062, 55003-55016, 55018-55143

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Table 1 References

Data Module/Technical Publication	Title
None	

Service Bulletin

Material set list

None

Support equipment list

There is no support equipment for this service bulletin.

Supplies list

For a list of supplies, refer to the different tasks and the Spirit service bulletin that are given as references in this service bulletin.

Spares list

The spare that follows is available from Satair:

For PART B of this service bulletin

Note

One spare set (kit) for each wing.

Spare set: Kit BD500282014K350

Name: KIT, ENGINE FEED PRESSURE SWITCH ADAPTOR

Part number [Mfg. code]	Name	Quantity	Remarks
500SHW282108K1 [88308]	Kit	1	

Procurement information:
Procurement address:

Name: For customers based in the Americas
Business unit:
Business unit name: Satair USA, Inc
525 Westpark Drive, Suite 400
Peachtree City, GA 30269
United States of America
Ph.: 1 404 675 6333
Please contact your Customer Order Specialist
https:/www.satair.com/market/search
CPHSB7X

Name: For customers based in Europe, Middle East, Africa
Business unit:
Business unit name: Satair A/S
Amager Landevej 147A
2770 Kastrup
Denmark
Ph.: 45 3247 0100
Please contact your Customer Order Specialist
https:/www.satair.com/market/search
CPHSB7X

Name: For customers based in the Asia Pacific (excluding mainland China)
Business unit:
Business unit name: Satair Pte Ltd
12 Seletar Aerospace Link
Singapore 797553
The Republic of Singapore
Ph.: 65 6543 0977
Please contact your Customer Order Specialist
https:/www.satair.com/market/search
CPHSB7X

Name: For customers based in mainland China
Business unit:
Business unit name: Satair (Beijing) Co. Ltd
Tian Zhu Lu 8, Tianzhu Airport Industrial Zone
Beijing 101312
People’s Republic of China
Ph.: 86 10 8048 6161
Please contact your Customer Order Specialist
https:/www.satair.com/market/search
CPHSB7X

For PART A of this service bulletin

Individual spare:

Part number [Mfg. code]	Name	Quantity	Remarks
M25988/1–904 [81349]	O-ring	2	

Procurement information:
Procurement address:

Name: For customers based in the Americas
Business unit:
Business unit name: Satair USA, Inc
525 Westpark Drive, Suite 400
Peachtree City, GA 30269
United States of America
Ph.: 1 404 675 6333
Please contact your Customer Order Specialist
https:/www.satair.com/market/search
CPHSB7X

Name: For customers based in Europe, Middle East, Africa
Business unit:
Business unit name: Satair A/S
Amager Landevej 147A
2770 Kastrup
Denmark
Ph.: 45 3247 0100
Please contact your Customer Order Specialist
https:/www.satair.com/market/search
CPHSB7X

Name: For customers based in the Asia Pacific (excluding mainland China)
Business unit:
Business unit name: Satair Pte Ltd
12 Seletar Aerospace Link
Singapore 797553
The Republic of Singapore
Ph.: 65 6543 0977
Please contact your Customer Order Specialist
https:/www.satair.com/market/search
CPHSB7X

Name: For customers based in mainland China
Business unit:
Business unit name: Satair (Beijing) Co. Ltd
Tian Zhu Lu 8, Tianzhu Airport Industrial Zone
Beijing 101312
People’s Republic of China
Ph.: 86 10 8048 6161
Please contact your Customer Order Specialist
https:/www.satair.com/market/search
CPHSB7X

Removed spares list

None

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PART A - Inspection of the Engine Feed Pressure Switches - Accomplishment instruction

Applicability: 50010-50018, 50020-50062, 55003-55016, 55018-55143

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Data Module/Technical Publication	Title
BD500-A-J12-00-00-01AAA-398A-A	Standard configuration for maintenance - Aircraft system configuration
BD500-A-J28-20-14-01AAA-910B-A	500SHW-28-2106 - Spirit Service Bulletin

Preliminary requirements

Required conditions

Table 2 Required conditions

Action/Condition	Data Module/Technical publication
None	

Support equipment

Table 3 Support equipment

Name	Identification/Reference	Quantity	Remark
None			

Consumables, materials, and expendables

Table 4 Consumables, materials, and expendables

Name	Identification/Reference	Quantity	Remark
None			

Spares

Table 5 Spares

Name	Identification/Reference	Quantity	Remark
None			

Safety conditions

None

Procedure

1 Job set-up

Note

The steps in the Job set-up section of this service bulletin are recommended steps. The steps give a recommendation to get access to the work area. This recommendation is to give a safe work area and to minimize possible damage to surrounding aircraft parts. Alternative steps can be used at the discretion of the operator.

1.1 Make sure that the aircraft is in standard configuration for maintenance (refer to AMP BD500-A-J12-00-00-01AAA-398A-A).

2 Procedure

2.1 If it is not possible to complete all the instructions in this service bulletin because of the configuration of the aircraft, speak with a CRC representative at 1 866 A220 CRC (1-866-222-0272) or 1-450-476-7676 or e-mail at A220_crc@abc.airbus for analysis and to get an approved disposition to complete this service bulletin.

2.2 Do the Spirit service bulletin 500SHW-28-2106, Inspection of the Engine Feed Pressure Switch (refer to VSB BD500-A-J28-20-14-01AAA-910B-A).

3 Job close-up

Note

The steps in the Job close-up section of this service bulletin, except for the return-to-service tests, are recommended steps. The steps give a recommendation to install components removed during the Job set-up. This recommendation is to make sure that the aircraft is safe and ready to return to service. Alternative steps can be used at the discretion of the operator.

3.1 Remove all tools, equipment, and unwanted materials from the work area.

4 Administrative

When PART A of this service bulletin is completed, record in the applicable aircraft records that you have completed PART A of this service bulletin.

Requirements after job completion

Required conditions

Table 6 Required conditions

Action/Condition	Data Module/Technical publication
None	

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PART B - Installation of Safety Cable and New Flange Adaptor to Fuel Pressure Switches - Accomplishment instruction

Applicability: 50010-50018, 50020-50062, 55003-55016, 55018-55143

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Table 1 References

Data Module/Technical Publication	Title
BD500-A-J12-00-00-01AAA-398A-A	Standard configuration for maintenance - Aircraft system configuration
BD500-A-J28-20-14-02AAA-910B-A	500SHW-28-2108 - Spirit Service Bulletin

Preliminary requirements

Required conditions

Table 2 Required conditions

Action/Condition	Data Module/Technical publication
None	

Support equipment

Table 3 Support equipment

Name	Identification/Reference	Quantity	Remark
None			

Consumables, materials, and expendables

Table 4 Consumables, materials, and expendables

Name	Identification/Reference	Quantity	Remark
None			

Spares

Table 5 Spares

Name	Identification/Reference	Quantity	Remark
None			

Safety conditions

None

Procedure

1 Job set-up

Note

The steps in the Job set-up section of this service bulletin are recommended steps. The steps give a recommendation to get access to the work area. This recommendation is to give a safe work area and to minimize possible damage to surrounding aircraft parts. Alternative steps can be used at the discretion of the operator.

1.1 Make sure that the aircraft is in standard configuration for maintenance (refer to AMP BD500-A-J12-00-00-01AAA-398A-A).

2 Procedure

2.1 If it is not possible to complete all the instructions in this service bulletin because of the configuration of the aircraft, speak with a CRC representative at 1 866 A220 CRC (1-866-222-0272) or 1-450-476-7676 or e-mail at A220_crc@abc.airbus for analysis and to get an approved disposition to complete this service bulletin.

2.2 Do the Spirit service bulletin 500SHW-28-2108, Fuel – Fuel Feed System – Installation of safety cable to the Flange Adaptor and the Engine Feed Pressure Switch (refer to VSB BD500-A-J28-20-14-02AAA-910B-A).

3 Job close-up

Note

The steps in the Job close-up section of this service bulletin, except for the return-to-service tests, are recommended steps. The steps give a recommendation to install components removed during the Job set-up. This recommendation is to make sure that the aircraft is safe and ready to return to service. Alternative steps can be used at the discretion of the operator.

3.1 Remove all tools, equipment, and unwanted materials from the work area.

4 Administrative

When PART B of this service bulletin is completed, record in the applicable aircraft records that you have completed PART B of this service bulletin.

Requirements after job completion

Required conditions

Table 6 Required conditions

Action/Condition	Data Module/Technical publication
None	

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500SHW-28-2106 - Spirit Service Bulletin

Applicability: 50010-50018, 50020-50062, 55003-55016, 55018-55143

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Data Module/Technical Publication	Title
None	

Description

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Spirit AeroSystems Belfast
Customer Services
Airport Road
Belfast
BT3 9DZ
N. Ireland
www.mro.spiritaero.com

A220 Service Bulletin

Service Bulletin
Fuel – Fuel Feed System – Inspection of the Engine Feed Pressure Switch

500SHW-28-2106
Issue No. 002

Applicability: Aircraft BD-500-1A10, 50010 – 50018,
50020 – 50062
Aircraft BD-500-1A11, 55003 – 55016,
55018 – 55143

March 18, 2021
Issue 002 November 18, 2021

ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

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ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

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Service Bulletin 500SHW-28-2106

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The listed documents are included in issue 002, November 18, 2021, of this publication

Document title	Data module code	Issue date	Applicable to
Fuel – Fuel Feed System – Inspection of the engine feed pressure switch – Service Bulletin	CSERIES-CS-28-21-40-01AAA-930A-D	2021-11-18	50010 – 50018, 50020 – 50062 55003 – 55016, 55018 – 55143
Fuel Feed System – Inspection of the engine feed pressure switch – Accomplishment Instruction	CSERIES-CS-28-21-40-01AAA-933A-D	2021-11-18	50010 – 50018, 50020 – 50062 55003 – 55016, 55018 – 55143
Fuel Feed System – Inspection of the engine feed pressure switch – Material Information	CSERIES-CS-28-21-40-01AAA-934A-D	2021-11-18	50010 – 50018, 50020 – 50062 55003 – 55016, 55018 – 55143

ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

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ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

Service Bulletin 500SHW-28-2106

Inspection of the engine feed pressure switch

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Table 1 References

Data module/Technical publication	Title
CSERIES-CS-28-21-40-01AAA-934A-D	– Fuel Feed System - Inspection of the engine feed pressure switch – Material Information
CSERIES-CS-28-21-40-01AAA-933A-D	Fuel Feed System - Inspection of the engine feed pressure switch – Accomplishment Instruction

Service Bulletin

Revision Information

Revision information

The revision information letter transmits:

Issue 002 of Service Bulletin 500SHW-28–2106 dated 2021–11–18.

Additional rework

The changes in this revision will have no effect on Issue 001 of this service bulletin.

Revision reason

Applicability updated and procedure revised to include additional step. Illustration revised to remove reference to AMP task.

Applicable to: All

CSERIES-CS-28-21-40-01AAA-930A-D

ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

Service Bulletin 500SHW-28-2106

Revision history

Issue 001, dated 2021–03–18

Issue 002, dated 2021–11–18

Revision sequence

Discard the copy of Service Bulletin 500SHW-28–2106, issue 001 dated 2021–03–18.

Replace with the copy attached.

Summary

Applicability

BD-500–1A10, Aircraft 50010 thru 50018, 50020 thru 50062

BD-500–1A11, Aircraft 55003 thru 55016, 55018 thru 55143

Concurrent requirements

None.

Reason

The engine feed pressure switch attaches to the flanged adaptor. The flanged adaptor does not have a facility for lockwire and consequently, the pressure switch may loosen and become disconnected.

Description

The access panel is removed. A visual inspection of the torque identification stripe on the pressure switch nut is done. If the identification stripe is broken or missing, the pressure switch is removed and the O-ring is replaced. The pressure switch is installed. The access panel is installed.

Note

The inspection is a precaution. There have been no reports of loose or disconnected pressure switches.

Compliance

Recommended Service Bulletin

Refer to the Airbus service bulletin for time limitation.

Manpower

It will take an estimated 2.0 hour per wing to complete this service bulletin.

Industry support information

For on-site labor assistance, please speak with a CRC representative at 1-866-A220-CRC (1-866-222-0272) or 1-450-476-7676 or e-mail at A220_crc@abc.airbus.

Material information

Refer to CSERIES-CS-28-21-40-01AAA-934A-D – Fuel Feed System - Inspection of the engine feed pressure switch – Material Information

ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

Service Bulletin 500SHW-28-2106

Planning Information

Applicability

Aircraft affected:

AIRCRAFT MODEL	SERVICE AIRCRAFT SERIAL NUMBERS	PRODUCTION AIRCRAFT SERIAL NUMBERS
BD-500–1A10	50010 thru 50018, 50020 thru 50062	Not applicable
BD-500–1A11	55003 thru 55016, 55018 thru 55143	Not applicable

Note

The instructions in this service bulletin are only applicable to the systems and parts installed at the time of delivery of the aircraft or as changed by Airbus Service Bulletins. Before you do this service bulletin, examine all Supplemental Type Certificates (STCs), Supplemental Type Approvals (STAs), or equivalent action changes to make sure you can complete this service bulletin.

Reason

Problem and effect

The engine feed pressure switch attaches to the flanged adaptor. The flanged adaptor does not have a facility for lockwire and consequently, the pressure switch may loosen and become disconnected.

Objective/Solution

This service bulletin provides instructions to do a visual inspection of the torque identification stripe on the pressure switch nut. If necessary, the pressure switch is removed and installed. Additionally, this service bulletin introduces a repeat inspection to prevent the pressure switch disconnecting from the flanged adaptor.

Description :

- The access panel is removed.
- A visual inspection of the torque identification stripe on the engine feed pressure switch is done.
- If necessary, the pressure switch is removed and installed.
- The access panel is installed.

Compliance

Recommended Service Bulletin

Refer to the Airbus service bulletin for time limitation.

Concurrent requirements

No information

Approval

The technical content of this Service Bulletin has been reviewed and accepted by Airbus.

ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

Service Bulletin 500SHW-28-2106

Manpower

The man-hours given below are estimates for direct labor done by an experienced crew on an aircraft prepared for maintenance.

These estimates do not include the time necessary for:

- Administrative functions such as planning, liaising, familiarization, and report writing.
- Non-productive elapsed time such as rest time, having meals, and crew shift changes.
- Elapsed time such as for paint to dry, sealant to cure, and fuel tank venting.
- Preparation for modification (unless specified in the Accomplishment Instructions) such as cleaning and getting parts, tools, consumables, and ground equipment.
- Quality assurance inspections, troubleshooting and/or correction of discrepancies found when a task is done.
- All other activities that are not considered by Airbus as directly related to the accomplishment of this procedure.

It will take an estimated 2.5 hours per wing to complete this service bulletin.

The man-hours for this service bulletin are shown in the table that follows:-

TASK	MAN-HOURS
(1) Job Set-Up	0.5
(2) Procedure	1.5
(4) Close-Up	0.5

Weight and balance

Refer to the Airbus service bulletin.

Electrical load data

Not changed.

Referenced Documentation

Refer to the SB Introduction document for definition or explanation of service bulletin content.

Aircraft Maintenance Publication (AMP).

Aircraft Structural Repair Publication (ASRP).

Documentation Affected

1. Maintenance Publications

None.

2. Operational Publications

None.

ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

Service Bulletin 500SHW-28-2106

Industry support information

For on-site labor assistance, please speak with a CRC representative at 1-866-A220-CRC (1-866-222-0272) or 1-450-476-7676 or e-mail at A220_crc@abc.airbus.

Material Information

CSERIES-CS-28-21-40-01AAA-934A-D Fuel Feed System - Inspection of the engine feed pressure switch – Material Information

Accomplishment Instructions

CSERIES-CS-28-21-40-01AAA-933A-D Fuel Feed System - Inspection of the engine feed pressure switch – Accomplishment Instruction

Additional Information

None.

ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

Service Bulletin 500SHW-28-2106

Inspection of the engine feed pressure switch

Accomplishment instructions

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References

Table 1 References

Data module/Technical publication	Title
BD500-A-J12-00-00-01AAA-398A-A	Standard Configuration for Maintenance – Aircraft system configuration
BD500-A-J24-00-00-00AAA-012A-A	Electrical/electronic – General warnings and cautions and related safety data
BD500-A-J28-00-00-00AAA-913G-A	Fuel safety precautions – General maintenance safety procedure
BD500-A-J57-51-32-14AAA-520A-A	Access panel, jacking fitting – Remove procedure
BD500-A-J57-54-84-01AAA-520A-A	Forward fairing, flap track No. 2 – Remove procedure
BD500-A-J51-13-06-00AAA-913A-A	Alterations to Critical Design Configuration Control Limitations (CDCCL) – General maintenance procedure
BD500-A-J28-21-40-01AAA-520A-A	Left and right wing engine feed pressure switches – Remove procedure

Applicable to: All

CSERIES-CS-28-21-40-01AAA-933A-D

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Figure 1 Spirit SB - 500SHW-28-2106

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Table 1 References (Continued)

Data module/Technical publication	Title
BD500-A-J28-21-40-01AAA-720A-A	Left and right wing engine feed pressure switches – Install procedure
BD500-A-J20-35-03-00AAA-711A-A	Fittings, plumbing lines, miscellaneous system – Tighten procedure
BD500-A-J57-51-32-14AAA-720A-A	Access panel, jacking fitting – Install procedure
BD500-A-J57-54-84-01AAA-720A-A	Forward fairing, flap track No. 2 – Install procedure

ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

Service Bulletin 500SHW-28-2106

Preliminary Requirements

Required Conditions

Table 2 Required Conditions

Action/Condition	Data module/Technical publications
None	

Support Equipment

Table 3 Support Equipment

Name	Identification/ Reference	Quantity	Remark
None			

Consumables, Materials, and Expendables

Table 4 Consumables, Materials, and Expendables

Name	Identification/Reference	Quantity	Remark
None			

Spares

Table 5 Spares

Name	Identification/ Reference	Quantity	Remark
None			

Safety Conditions

None

Procedure

1 Job set-up

Note

The steps in the Job Set-Up section of this service bulletin are recommended steps. The steps give a recommendation to get access to the work area. This recommendation is to give a safe work area and to minimize possible damage to surrounding aircraft parts. Alternative steps can be used at the discretion of the operator.

ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

1.1 Make sure that the aircraft is in the standard configuration for maintenance (refer to AMP BD500-A-J12-00-00-01AAA-398A-A Standard Configuration for Maintenance – Aircraft system configuration).

1.2 Obey all the electrical/electronic safety precautions (refer to AMP BD500-A-J24-00-00-00AAA-012A-A Electrical/electronic – General warnings and cautions and related safety data).

1.3 Obey all the fuel safety precautions (refer to AMP BD500-A-J28-00-00-00AAA-913G-A Fuel safety precautions – General maintenance safety procedure).

1.4 Remove the access panel (refer to AMP BD500-A-J57-51-32-14AAA-520A-A Access panel, jacking fitting – Remove procedure).

1.5 Remove the fairing (refer to AMP BD500-A-J57-54-84-01AAA-520A-A Forward fairing, flap track No. 2 – Remove procedure).

2 Procedure

Note

This procedure is applicable to the left side and the right side. The procedure that follows is written for the left side. Differences for the right side are identified.

2.1 If it is not possible to complete all the instructions in this service bulletin because of the configuration of the aircraft, speak with a representative of Airbus in the CRC at 1-866-A220-CRC (1-866-222-0272) or 1-450-476-7676 or send an e-mail at A220_crc@abc.airbus for analysis and to get an approved disposition to complete this service bulletin.

WARNINGS

- **Do not modify, and take care not to damage, any structural item or system component in the fuel tank boundary. All items in the fuel tank boundary, with plumbing lines, high resistance isolators, high resistance PEEK brackets, self-bonding couplings, saddle clamps, electrical bonding features, applied sealant, surface treatments, and installed fuel tank components are likely to have features that are classified as Critical Design Configuration Control Limitation (CDCCL) items. Such features give protection for the occurrence of a fuel tank ignition source associated with electrostatic discharge and/or lightning strike. Damage or modification to CDCCL items can possibly deteriorate or eliminate these necessary protection features.**

- **CDCCLs identify the critical design processes and features (example: wiring separation, fastener type, sealant applications, and surface preparation) which prevent development of ignition sources and/or increased flammability within the fuel tank system. For general guidance for continuing airworthiness of the aircraft Critical Design Configuration Control Limitations (CDCCL), operators must consult the data module and its referenced documentation when addressing alterations to CDCCL items. Refer to the AMP BD500-A-J51-13-06-00AAA-913A-A).**

2.2 At the nut on the pressure switch, do a visual inspection for a broken or missing torque identification stripe. Refer to Figure 1.

2.3 If the identification stripe is broken or missing do the steps that follow:

2.3.1 Remove the pressure switch. Refer to AMP BD500-A-J28-21-40-01AAA-520A-A Left and right wing engine feed pressure switches – Remove procedure

ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

Note

Make sure that you discard and replace the old O-ring.

2.3.2 Install the pressure switch. Refer to AMP BD500-A-J28-21-40-01AAA-720A-A Left and right wing engine feed pressure switches – Install procedure

2.3.3 Torque the pressure switch to 35 to 40 lbf in. (3.96 to 4.52 Nm) plus the running torque (refer to the AMP BD500-A-J20-35-03-00AAA-711A-A Fittings, plumbing lines, miscellaneous system – Tighten procedure).

2.3.4 Apply a torque identification stripe.

3 Job close-out

Note

The steps in the Job Close-Out section of this service bulletin, except for the return-to-service tests, are recommended steps. The steps give a recommendation to install components removed during the Job Set-Up. This recommendation is to make sure that the aircraft is safe and ready to return to service. Alternative steps can be used at the discretion of the operator.

3.1 Remove all tools, equipment and unwanted materials from the rework area.

3.2 Install the access panel (refer to AMP BD500-A-J57-51-32-14AAA-720A-A Access panel, jacking fitting – Install procedure).

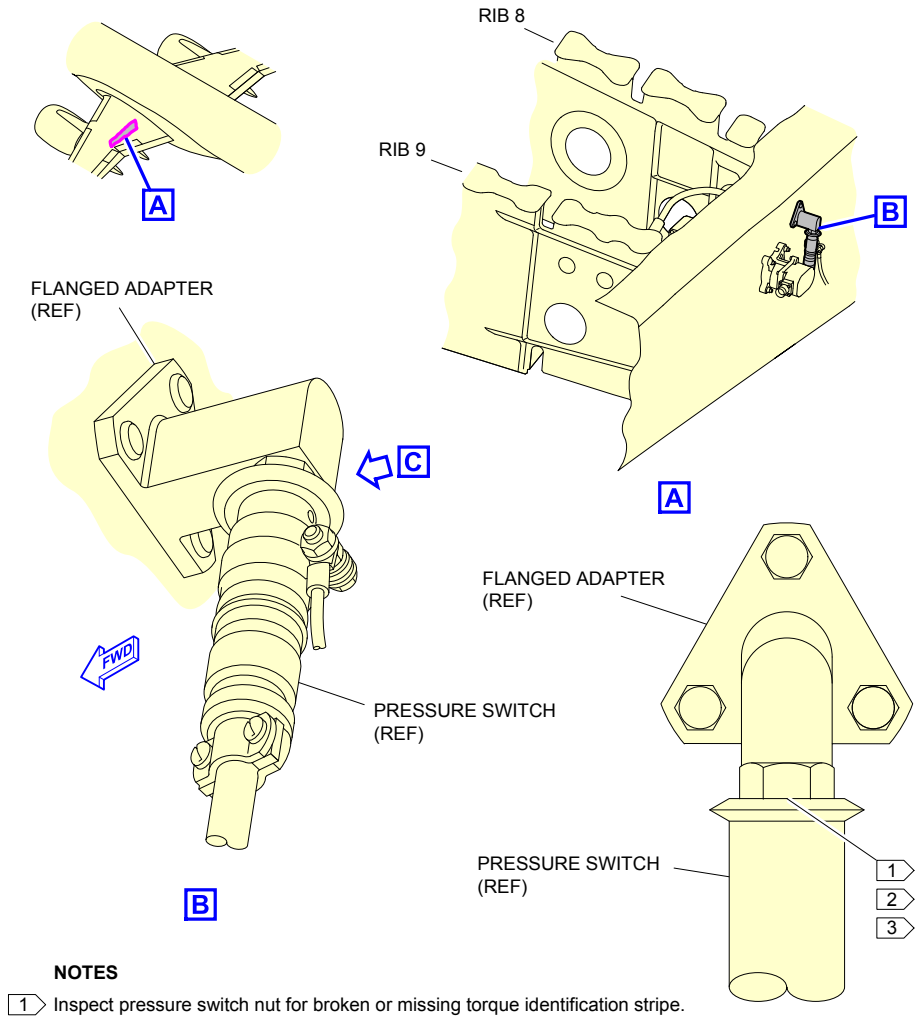
3.3 Install the fairing (refer to AMP BD500-A-J57-54-84-01AAA-720A-A Forward fairing, flap track No. 2 – Install procedure).

3.4 Record in the Aircraft log book that service bulletin 500SHW-28-2106, Issue 002, Fuel - Fuel Feed System - Inspection of the engine feed pressure switch, has been incorporated.

ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

Service Bulletin 500SHW-28-2106



NOTES

1. Inspect pressure switch nut for broken or missing torque identification stripe.
2. If identification stripe is broken or missing, remove and install the pressure switch. Replace the O-ring during this procedure.
3. Apply a torque identification stripe after installation.

ICN-CSERIES-CS-282140-S-K4585-0007J-A-001-01

Fig 1 Inspection of the engine feed pressure switch

Applicable to: All

CSERIES-CS-28-21-40-01AAA-933A-D

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Figure 1 Spirit SB - 500SHW-28-2106

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Requirements after job completion

Required Conditions

Table 6 Required Conditions

Action/Condition	Data module/Technical publications
None	

ICN-BD500-A-J282014-F-3AB48-68232-A-002-01

Figure 1 Spirit SB - 500SHW-28-2106

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Inspection of the engine feed pressure switch

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Table 1 References

Data module/Technical publication	Title
BD500-A-J51-31-00-01AAA-070A-A	

Description

Support equipment list

None.

Removed spares list

Individual removed spare:

Table 2

Pre-SB Part number [Mfg. Code]	Name	Qty	Usage	Post-SB Part number [Mfg. Code]	Description (Repl. condition) [Repl. Code]
M25988/1–904 [81349]	O-ring	2	Discarded	M25988/1–904 [81349]	(1)

(1) Refer to the IPDP.

Supplies list

For a complete list of consumables, refer to the different data modules that are given as references in this service bulletin.

Note

Refer to BD500-A-J51-31-00-01AAA-070A-A .

Spares list

None.

Applicable to: All

CSERIES-CS-28-21-40-01AAA-934A-D

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Figure 1 Spirit SB - 500SHW-28-2106

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500SHW-28-2108 - Spirit Service Bulletin

Applicability: 50010-50018, 50020-50062, 55003-55016, 55018-55143

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Table 1 References

Data Module/Technical Publication	Title
None	

Description

A220

Spirit AeroSystems Belfast
Customer Services
Airport Road
Belfast
BT3 9DZ
N. Ireland
www.mro.spiritaero.com

A220 Service Bulletin

Service Bulletin
Fuel – Fuel Feed System – Installation of safety cable to the Engine Feed Pressure Switch

500SHW-28-2108
Issue No. 001

Applicability: Aircraft BD-500-1A10, 50010 – 50018,
50020 – 50062
Aircraft BD-500-1A11, 55003 – 55016,
55018 – 55143

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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Service Bulletin 500SHW-28-2108

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The listed documents are included in issue 001, November 19, 2021, of this publication

Document title	Data module code	Issue date	Applicable to
Fuel – Fuel Feed System – Installation of safety cable to the Engine Feed Pressure Switch– Service Bulletin	CSERIES-CS-28-21-40-02AAA-930A-D	2021-11-19	50010 – 50018, 50020 – 50062 55003 – 55016, 55018 – 55143
Fuel – Fuel Feed System – Installation of safety cable to the Engine Feed Pressure Switch– Accomplishment Instruction	CSERIES-CS-28-21-40-02AAA-933A-D	2021-11-19	50010 – 50018, 50020 – 50062 55003 – 55016, 55018 – 55143
Fuel – Fuel Feed System – Installation of safety cable to the Engine Feed Pressure Switch– Material Information	CSERIES-CS-28-21-40-02AAA-934A-D	2021-11-19	50010 – 50018, 50020 – 50062 55003 – 55016, 55018 – 55143

ICN-BD500-A-J282014-F-3AB48-70067-A-002-01

Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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Installation of safety cable to the flange adaptor and the engine feed pressure switch

Service bulletin

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Table 1 References

Data module/Technical publication	Title
CSERIES-CS-28-21-40-02AAA-934A-A	Fuel Feed System - Installation of safety cable to the flange adaptor and engine feed pressure switch – Material Information
CSERIES-CS-28-21-40-02AAA-933A-A	Fuel Feed System - Installation of safety cable to the flange adaptor and engine feed pressure switch – Accomplishment Instruction

Service Bulletin

Revision Information

Not applicable.

Summary

Applicability

BD-500–1A10, Aircraft 50010 thru 50018, 50020 thru 50062

BD-500–1A11, Aircraft 55003 thru 55016, 55018 thru 55143

Concurrent requirements

None.

Applicable to: All

CSERIES-CS-28-21-40-02AAA-930A-A

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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Reason

The flange adaptor is replaced to accommodate the installation of safety cable as a secondary locking feature.

Description

The access panels are removed. The pressure switch is removed and the O-ring is replaced. The flange adaptor is replaced with a new flange adaptor that will accommodate the installation of safety cable as a secondary locking feature. The pressure switch is installed. Safety cable is installed to the pressure switch and the flange adaptor. The access panels are installed.

Compliance

Recommended Service Bulletin

Refer to the Airbus service bulletin for time limitation.

Manpower

It will take an estimated 6.5 hour per wing to complete this service bulletin.

Industry support information

For on-site labor assistance, please speak with a CRC representative at 1-866-A220-CRC (1-866-222-0272) or 1-450-476-7676 or e-mail at A220_crc@abc.airbus.

Material information

CSERIES-CS-28-21-40-02AAA-934A-A Fuel Feed System - Installation of safety cable to the flange adaptor and engine feed pressure switch – Material Information

Planning Information

Applicability

Aircraft affected:

AIRCRAFT MODEL	SERVICE AIRCRAFT SERIAL NUMBERS	PRODUCTION AIRCRAFT SERIAL NUMBERS
BD-500–1A10	50010 thru 50018, 50020 thru 50062	50063 and subsequent. [1]
BD-500–1A11	55003 thru 55016, 55018 thru 55143	55144 and subsequent. [1]
[1] Aircraft will have an equivalent modification incorporated before delivery		

Note

The instructions in this service bulletin are only applicable to the systems and parts installed at the time of delivery of the aircraft or as changed by Airbus Service Bulletins. Before you do this service bulletin, examine all Supplemental Type Certificates (STCs), Supplemental Type Approvals (STAs), or equivalent action changes to make sure you can complete this service bulletin.

ICN-BD500-A-J282014-F-3AB48-70067-A-002-01

Figure 1 Spirit Service Bulletin - 500SHW-28-2108

Service Bulletin 500SHW-28-2108

Reason

Problem and effect

Safety cable cannot be installed between the flange adaptor and the engine feed pressure switch. Consequently, the pressure switch may loosen and become disconnected.

Objective/Solution

This service bulletin provides instructions to replace the flange adaptor. Safety cable can be installed on the new flange adaptor as a secondary locking feature.

Description :

- The access panels are removed.
- The pressure switch is disconnected from the flange adaptor.
- The flange adaptor is replaced.
- The pressure switch is connected to the new flange adaptor.
- Safety cable is installed to the pressure switch and the flange adaptor.
- The access panels are installed.

Compliance

Recommended Service Bulletin

Refer to the Airbus service bulletin for time limitation.

Concurrent requirements

No information

Approval

The technical content of this Service Bulletin has been reviewed and accepted by Airbus.

Manpower

The man-hours given below are estimates for direct labor done by an experienced crew on an aircraft prepared for maintenance.

These estimates do not include the time necessary for:

- Administrative functions such as planning, liaising, familiarization, and report writing.
- Non-productive elapsed time such as rest time, having meals, and crew shift changes.
- Elapsed time such as for paint to dry, sealant to cure, and fuel tank venting.
- Preparation for modification (unless specified in the Accomplishment Instructions) such as cleaning and getting parts, tools, consumables, and ground equipment.
- Quality assurance inspections, troubleshooting and/or correction of discrepancies found when a task is done.
- All other activities that are not considered by Airbus as directly related to the accomplishment of this procedure.

ICN-BD500-A-J282014-F-3AB48-70067-A-002-01

Figure 1 Spirit Service Bulletin - 500SHW-28-2108

Service Bulletin 500SHW-28-2108

It will take an estimated 6.5 hours per wing to complete this service bulletin.

The man-hours for this service bulletin are shown in the table that follows:-

TASK	MAN-HOURS
(1) Job Set-Up	2
(2) Procedure	2.5
(4) Close-Up	2

Weight and balance

Refer to the Airbus service bulletin.

Electrical load data

Not changed.

Referenced Documentation

Refer to the SB Introduction document for definition or explanation of service bulletin content.

Aircraft Maintenance Publication (AMP).

Aircraft Structural Repair Publication (ASRP).

Modification Summary SHW500T103731.

Documentation Affected

1. Maintenance Publications

Illustrated Parts Data Publication (IPDP).

2. Operational Publications

None.

Industry support information

For on-site labor assistance, please speak with a CRC representative at 1-866-A220-CRC (1-866-222-0272) or 1-450-476-7676 or e-mail at A220_crc@abc.airbus.

Material Information

CSERIES-CS-28-21-40-02AAA-934A-A Fuel Feed System - Installation of safety cable to the flange adaptor and engine feed pressure switch – Material Information

Accomplishment Instructions

CSERIES-CS-28-21-40-02AAA-933A-A Fuel Feed System - Installation of safety cable to the flange adaptor and engine feed pressure switch – Accomplishment Instruction

Additional Information

None.

Applicable to: All

CSERIES-CS-28-21-40-02AAA-930A-A

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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Installation of safety cable to the flanged adaptor and the engine feed pressure switch

Procedure

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Table 1 References

Data module/Technical publication	Title
BD500-A-J12-00-00-01AAA-398A-A	Standard Configuration for Maintenance – Aircraft system configuration
BD500-A-J24-00-00-00AAA-012A-A	Electrical/electronic – General warnings and cautions and related safety data
BD500-A-J28-00-00-00AAA-523B-A	Prepare fuel tank for access – Preparation before removal
BD500-A-J28-00-00-00AAA-913G-A	Fuel safety precautions – General maintenance safety procedure
BD500-A-J28-11-01-02AAA-520A-A	Lower wing fuel access panels – Remove procedure
BD500-A-J57-51-32-14AAA-520A-A	Access panel (572AB/672AB), jacking fitting – Remove procedure

Applicable to: All

CSERIES-CS-28-21-40-02AAA-933A-A

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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Table 1 References (Continued)

Data module/Technical publication	Title
BD500-A-J57-22-32-02AAA-520A-A	Access panel (541DZ/641DZ),Rib 8 – Remove procedure
BD500-A-J51-13-06-00AAA-913A-A	Alterations to Critical Design Configuration Control Limitations (CDCCL) – General maintenance procedure
BD500-A-J28-21-40-01AAA-520A-A	Left and right wing engine feed pressure switches – Remove procedure
BD500-A-J28-21-40-02AAA-520A-A	Left and right wing flange adaptor – Remove procedure
BD500-A-J51-42-21-00AAA-078A-A	Hi-Lite – Fasteners
BD500-A-J28-21-40-02AAA-720A-A	Left and right wing flange adaptor – Install procedure
BD500-A-J28-21-40-01AAA-720A-A	Left and right wing engine feed pressure switches – Install procedure
BD500-A-J20-35-03-00AAA-711A-A	Fittings, plumbing lines, miscellaneous system – Tighten procedure
BD500-A-J20-20-03-00AAA-720A-A	Safety cable – Install procedure
BD500-A-J20-20-01-00AAA-720A-A	Lockwire – Install procedure
BD500-A-J57-51-32-14AAA-720A-A	Access panel (572AB/672AB), jacking fitting – Install procedure
BD500-A-J28-11-01-02AAA-720A-A	Lower wing fuel access panels – Install procedure
BD500-A-J57-22-32-02AAA-720A-A	Access panel (541DZ/641DZ),Rib 8 – Install procedure

Applicable to: All

CSERIES-CS-28-21-40-02AAA-933A-A

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November 19, 2021 **Service Bulletin 500SHW-28-2108** **Page 10**

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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Preliminary Requirements

Required Conditions

Table 2 Required Conditions

Action/Condition	Data module/Technical publications
None	

Support Equipment

Table 3 Support Equipment

Name	Identification/ Reference	Quantity	Remark
None			

Consumables, Materials, and Expendables

Table 4 Consumables, Materials, and Expendables

Name	Identification/Reference	Quantity	Remark
None			

Spares

Table 5 Spares

Name	Identification/ Reference	Quantity	Remark
None			

Safety Conditions

None

Procedure

1 Job set-up

Note

The steps in the Job Set-Up section of this service bulletin are recommended steps. The steps give a recommendation to get access to the work area. This recommendation is to give a safe work area and to minimize possible damage to surrounding aircraft parts. Alternative steps can be used at the discretion of the operator.

ICN-BD500-A-J282014-F-3AB48-70067-A-002-01

Figure 1 Spirit Service Bulletin - 500SHW-28-2108

Service Bulletin 500SHW-28-2108

1.1 Make sure that the aircraft is in the standard configuration for maintenance (refer to AMP BD500-A-J12-00-00-01AAA-398A-A Standard Configuration for Maintenance – Aircraft system configuration).

1.2 Obey all the electrical/electronic safety precautions (refer to AMP BD500-A-J24-00-00-00AAA-012A-A Electrical/electronic – General warnings and cautions and related safety data).

1.3 Prepare the fuel tank for access (refer to AMP BD500-A-J28-00-00-00AAA-523B-A Prepare fuel tank for access – Preparation before removal).

1.4 Obey all the fuel safety precautions (refer to AMP BD500-A-J28-00-00-00AAA-913G-A Fuel safety precautions – General maintenance safety procedure).

1.5 Remove the inboard outer wing access panel (541EB/641EB) (refer to AMP BD500-A-J28-11-01-02AAA-520A-A Lower wing fuel access panels – Remove procedure).

1.6 Remove the access panel (572AB/672AB and 575AB/675AB) (refer to AMP BD500-A-J57-51-32-14AAA-520A-A Access panel (572AB/672AB), jacking fitting – Remove procedure).

1.7 Remove the access panel (541DZ/641DZ) (refer to AMP BD500-A-J57-22-32-02AAA-520A-A Access panel (541DZ/641DZ),Rib 8 – Remove procedure).

2 Procedure

Note

This procedure is applicable to the left side and the right side. The procedure that follows is written for the left side. Differences for the right side are identified.

2.1 If it is not possible to complete all the instructions in this service bulletin because of the configuration of the aircraft, speak with a representative of Airbus in the CRC at 1-866-A220-CRC (1-866-222-0272) or 1-450-476-7676 or send an e-mail at A220_crc@abc.airbus for analysis and to get an approved disposition to complete this service bulletin.

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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WARNINGS

- **Do not modify, and take care not to damage, any structural item or system component in the fuel tank boundary. All items in the fuel tank boundary, with plumbing lines, high resistance isolators, high resistance PEEK brackets, self-bonding couplings, saddle clamps, electrical bonding features, applied sealant, surface treatments, and installed fuel tank components are likely to have features that are classified as Critical Design Configuration Control Limitation (CDCCL) items. Such features give protection for the occurrence of a fuel tank ignition source associated with electrostatic discharge and/or lightning strike. Damage or modification to CDCCL items can possibly deteriorate or eliminate these necessary protection features.**

- **CDCCLs identify the critical design processes and features (example: wiring separation, fastener type, sealant applications, and surface preparation) which prevent development of ignition sources and/or increased flammability within the fuel tank system. For general guidance for continuing airworthiness of the aircraft Critical Design Configuration Control Limitations (CDCCL), operators must consult the data module and its referenced documentation when addressing alterations to CDCCL items. Refer to the AMP BD500-A-J51-13-06-00AAA-913A-A).**

2.2 Remove the pressure switch (ref) (refer to AMP BD500-A-J28-21-40-01AAA-520A-A Left and right wing engine feed pressure switches – Remove procedure). Refer to Figure 1.

Note
Make sure that you discard and replace the two old O-rings.

2.3 Remove the flange adaptor (1) (refer to AMP BD500-A-J28-21-40-02AAA-520A-A Left and right wing flange adaptor – Remove procedure).

Note
Remove / install bolts as instructed in the ASRP BD500-A-J51-42-21-00AAA-078A-A .

Note
If the fastener holes are out of limits, it is acceptable to install 1st oversize bolt HST112AG6–10 in lieu of bolt B0206003AG6–10.

2.4 Install the new flange adaptor (1) (refer to AMP BD500-A-J28-21-40-02AAA-720A-A Left and right wing flange adaptor – Install procedure).

2.5 Install the pressure switch (ref) (refer to AMP BD500-A-J28-21-40-01AAA-720A-A Left and right wing engine feed pressure switches – Install procedure).

2.6 Torque the pressure switch to 35 to 40 lbf in. (3.96 to 4.52 Nm) plus the running torque and apply torque identification stripe (refer to the AMP BD500-A-J20-35-03-00AAA-711A-A Fittings, plumbing lines, miscellaneous system – Tighten procedure).

2.7 Apply a torque identification stripe.

2.8 Install the safety cable (05–504) to the pressure switch and the flange adaptor (refer to the AMP BD500-A-J20-20-03-00AAA-720A-A Safety cable – Install procedure).

Note
Lockwire (05–004) is an acceptable alternative to safety cable (05–504) (refer to the AMP BD500-A-J20-20-01-00AAA-720A-A).

Applicable to: All

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

3 Job close-out

Note

The steps in the Job Close-Out section of this service bulletin, except for the return-to-service tests, are recommended steps. The steps give a recommendation to install components removed during the Job Set-Up. This recommendation is to make sure that the aircraft is safe and ready to return to service. Alternative steps can be used at the discretion of the operator.

3.1 Remove all tools, equipment and unwanted materials from the rework area.

3.2 Install the access panel (541DZ/641DZ) (refer to AMP BD500-A-J57-22-32-02AAA-720A-A Access panel (541DZ/641DZ),Rib 8 – Install procedure).

3.3 Install the access panel (572AB/672AB and 575AB/675AB.)(refer to AMP BD500-A-J57-51-32-14AAA-720A-A Access panel (572AB/672AB), jacking fitting – Install procedure).

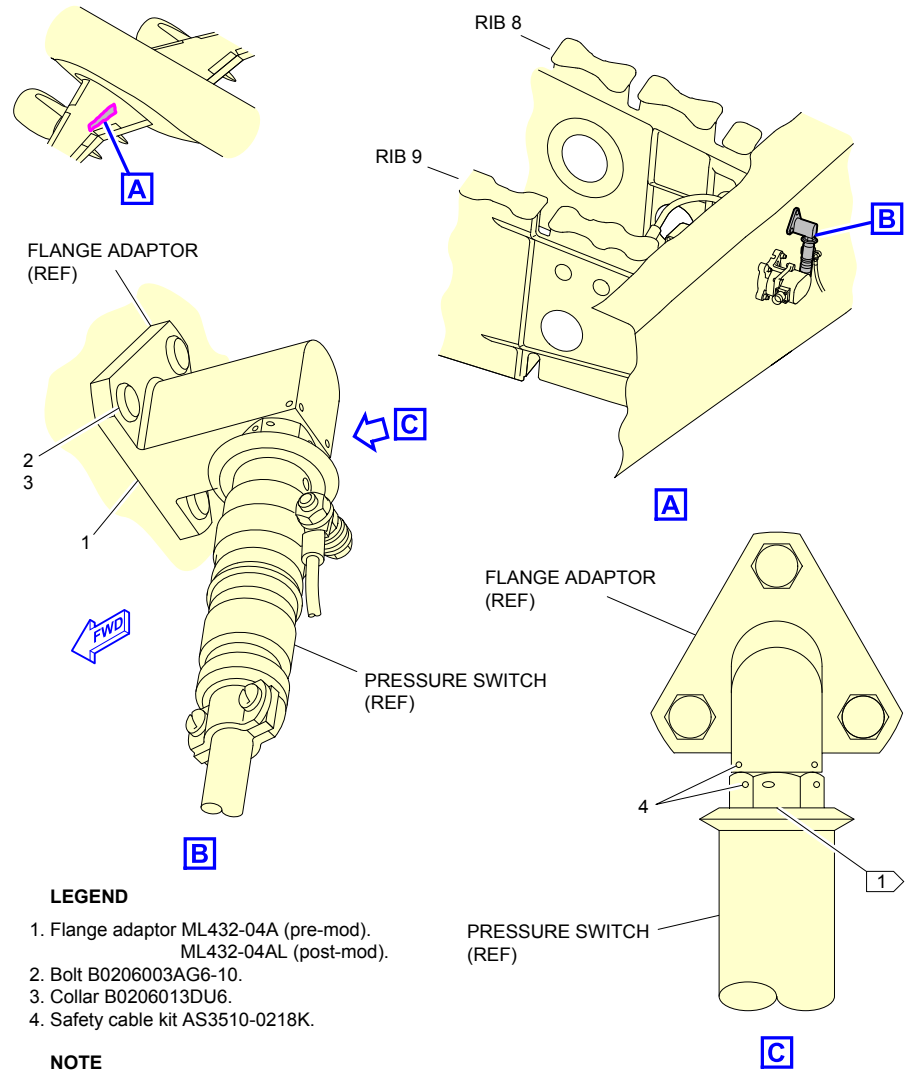
3.4 Install the inboard outer wing access panel (541EB/641EB)(refer to AMP BD500-A-J28-11-01-02AAA-720A-A Lower wing fuel access panels – Install procedure).

3.5 Record in the Aircraft log book that service bulletin 500SHW-28-2108, Issue 001, Fuel - Fuel Feed System - Installation of safety cable to the engine feed pressure switch, has been incorporated.

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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LEGEND

1. Flange adaptor ML432-04A (pre-mod).
   ML432-04AL (post-mod).
2. Bolt B0206003AG6-10.
3. Collar B0206013DU6.
4. Safety cable kit AS3510-0218K.

NOTE

1 Install item (4) between the pressure switch (Ref) and the Flange adaptor (1).

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Fig 1 Replacement of the flange adaptor and installation of safety cable on the engine feed pressure switch

Applicable to: All

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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Requirements after job completion

Required Conditions

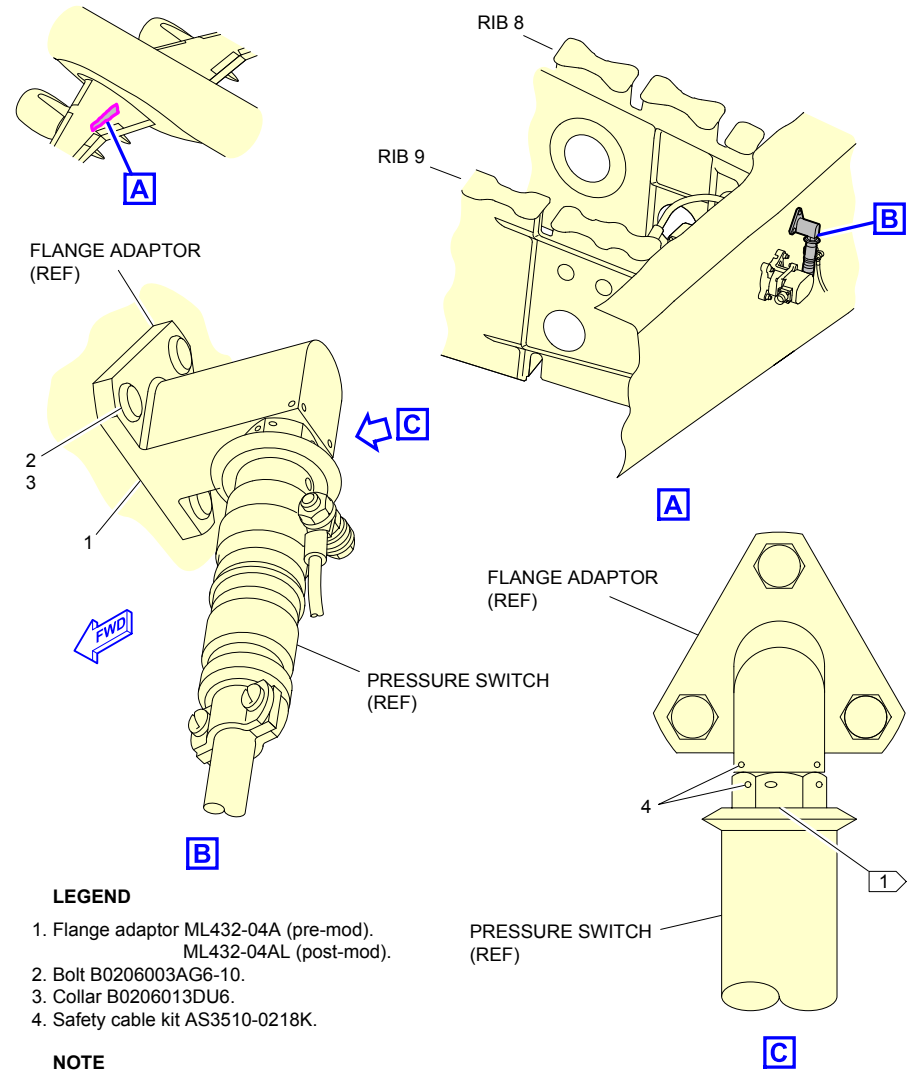
Table 6 Required Conditions

Action/Condition	Data module/Technical publications
None	

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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LEGEND

1. Flange adaptor ML432-04A (pre-mod).
   ML432-04AL (post-mod).
2. Bolt B0206003AG6-10.
3. Collar B0206013DU6.
4. Safety cable kit AS3510-0218K.

NOTE

1 Install item (4) between the pressure switch (Ref) and the Flange adaptor (1).

ICN-CSERIES-CS-282140-S-K4585-00073-A-001-01

Fig 1 Replacement of the flange adaptor and installation of safety cable on the engine feed pressure switch

Applicable to: All

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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Requirements after job completion

Required Conditions

Table 6 Required Conditions

Action/Condition	Data module/Technical publications
None	

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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Installation of safety cable to the flange adaptor and the engine feed pressure switch

Material information

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2 Spare set: Kit 500SHW282108K1....2

References

Table 1 References

Data module/Technical publication	Title
BD500-A-J51-31-00-01AAA-070A-A	

Description

Support equipment list

None.

Removed spares list

None.

Supplies list

The materials that follow are necessary to do this service bulletin. You can order them from Airbus or purchase them directly from industry sources. If the material is ordered from Airbus, there can be some lead time because of the shelf life of the material.

Individual supply:

Part number [Mfg. code]	Name	Quantity	Remarks
MS20995C32 [LP]	lockwire	As required	05-004
AS3510-0218K [81343]	Cable safety and ferrule kit	As required	05-504
Refer to BD500-A-J51-31-00-01AAA-070A-A .			

Applicable to: All

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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Spares list

The spare set (kit) that follows is available from Airbus Canada.

Note 1

One spare set (kit) for each wing.

Table 2 ***Spare set: Kit 500SHW282108K1***

Part number [Mfg. Code]	Name	Quantity	Remarks
ML432–04AL [24984]	Flange adaptor	1	
B0206003AG6–10 [3AB48]	Bolt	4	
B0206013DU6 [3AB48]	Collar	4	
M25988/1–904 [81349]	O-ring	1	
M25988/1–211 [81349]	O-ring	1	

Note 2

The kit can contain 10% more hardware and/or material than necessary.

Procurement information

Please contact your Satair Customer Order Fulfilment focal point.

Website: https://www.satair.com/about-satair/contact-us/customer-order-fulfilment

Applicable to: All

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Figure 1 Spirit Service Bulletin - 500SHW-28-2108

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