



Revision Transmittal Sheet

This sheet transmits Revision 1 of Service Bulletin SB-328-28-553 titled:
Fuel - Change of fuel lines within LH/RH feeder tank.

This is a complete revision. This has been reprinted in its entirety. All previous editions must be destroyed.

Reason for Revision:

DON367-05Z nuts are not available due to delivery problems. Parts are replaced by MS21042-08 nuts with AN960JD8L washers.

NOTE: The changes are marked with revision bars at the outside margin.

This Revision Transmittal Sheet is part of SB-328-28-553 Revision 1 .

Model: Dornier 328-100

No.: SB-328-28-553

Date of Issue: Jul 10, 2017

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SB-328-28-553

Title: Fuel - Change of fuel lines within LH/RH feeder tank

1 PLANNING INFORMATION

Effectivity

Dornier 328-100

Type Certificate Data Sheet EASA.A.096

Serial No.: All

Reason

Design Improvement

Description

To prevent chafing of the fuel jet pumps, clamps and adjacent fuel lines in the feeder tanks new designed fuel tubes are provided by this Service Bulletin. The electrical bonding of the parts is realized by bonding straps and loop type bonding clamps. The adjacent engine feed line in the outer tank is set back to the initial type design. Accomplishment of this SB is considered as terminating action to EASA AD No. 2017-0016.

Approval

The technical content of this Service Bulletin is approved under the authority of EASA approved design organization 328 Design GmbH (EASA.21J.438).

This modification is covered by Change Notice CN-100285 and CN-100355.



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It is the operator's responsibility to comply with the relevant aviation regulations of the country in which the aircraft is registered.

Model: Dornier 328-100

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Compliance

Highly Recommended.

For aircraft in configuration post SB-328-28-490:

- This SB terminates the requirements of ASB-328-28-041.

For aircraft in configuration pre SB-328-28-490:

- This SB terminates the requirements of SB-328-28-484.

Manpower

Access:	1,0 Mh
Modification:	4,0 Mh
Close-up:	2,0 Mh
Functional Checks:	1,5 Mh
Defueling/ Refueling:	2,5 Mh
Total:	11,0 Mh

Material

Refer to Material Parts List.

Special Tools

Not required.

Weight and Balance

Not Affected

Electrical Load Data

Not Affected

References

- ASB 328-28-041
- SB-328-28-490
- SB-328-28-484
- Technical Publication (As necessary)



Other Publications Affected

Until the publication of the changed documentation, the data contained in this Service Bulletin are valid.

- Aircraft Illustrated Parts Catalog (AIPC)
- Aircraft Maintenance Manual (AMM)

Reporting

Compliance with this Service Bulletin shall be reported to 328 Support Services GmbH Global Support Centre using the Compliance Report for Configuration Control.

2 ACCOMPLISHMENT INSTRUCTIONS

CAUTION: Obey the General Maintenance Practices and Safety Precautions.

Refer to AMM JIC Chapter 00, in particular:

00-30-10 General Maintenance Practices

00-30-28 Maintenance Practices Fuel System

NOTE: Obey AMM JIC 20-28-00-910 Aircraft Electrical Bonding – Maintenance Practices

NOTE: Obey SRM Chapter 51-22-00 Sealing – General

NOTE: Obey SRM Chapter 51-40-00 Fasteners

NOTE: All connections where O-rings are necessary; used O-rings must be discarded and replaced by new O-rings before installation; make sure the O-rings are available (item 19, 20).

NOTE: This procedure describes the modification of the left LH wing tank distribution system. Modification of the RH wing distribution system is the same unless otherwise stated.

A Preparation

NOTE: P/N of tubes and clamps which have to be removed may be different because of post SB-328-28-490 status. Refer to AIPC page 28-20-00-06 and 28-20-00-07 for effectivity check.

NOTE: Refer to Figure 2/ Figure 3 for part identification.

NOTE: Do step 7) and 8) only when status of aircraft is post SB-328-28-490.

- 1) Make the aircraft safe for maintenance, refer to AMM JIC 00-30-01.
- 2) Defuel the aircraft, refer to AMM JIC 12-11-40-650.
- 3) Open/remove all doors, covers, panels, and removable fairings as necessary to get access to the modification area, refer to AMM JIC 06-40-02-020.
- 4) Remove the fuel jet pump. Refer to AMM JIC 28-21-04-020.
- 5) Remove tube assembly P/N 001A282A3190000.
- 6) Remove tube assembly P/N 001A282A3235000 (LH) & P/N 001A282A3235001 RH). Refer to AMM JIC 28-21-06.



- 7) Remove clamp P/N 14C02-12A and clamp P/N W991-12DE from tube assembly P/N 001A282A7150000.
- 8) Remove tube assembly P/N 001A282A7150000.

B Modification

NOTE: Refer to Figure 4 for part identification.

NOTE: Do step 1) only when status of aircraft is post SB-328-28-490.

- 1) Install tube assembly (item 2) and attach with clamps (item 1).

NOTE: Use clamp at inboard end to attach tube assembly (item 2).

- 2) On the workbench: Assemble clamps (item 8, 9) and grounding straps (item 10 - 12) to tubes (item 4, 5) and tube assembly (item 6, 7) with attachment material (item 13, 15, 16).
- 3) Insert spacer (item 3) to tube assembly (item 4) and install to connection part P/N 001A282A1020200.
- 4) Install fuel jet pump. Refer to AMM JIC 28-21-04-420-801.
- 5) Insert spacer (item 3) to tube assembly (item 5) and install to tube assembly (item 6 (LH)) / (item 7 (RH)).
- 6) Adjust clamps (item 8, 9) and grounding straps (item 10 - 12) and attach with attachment material (item 13 - 18). Refer to AMM JIC 20-28-00-910.

CAUTION: Make sure that the grounding straps have no contact to adjacent structure or other parts of the fuel distribution system!
Refer to Figure 6.

C Close-up

- 1) Do a foreign object inspection of the complete modification area.
- 2) Close/install all doors, covers, panels, and fairings opened/removed before, refer to AMM JIC 06-40-02-500.
- 3) Refuel the aircraft; refer to AMM JIC 12-11-10-650.
- 4) Do an engine ground run. Refer to AMM JIC 71-01-00-710.
- 5) Return the aircraft to a serviceable condition.



3 MATERIAL INFORMATION

NOTE: SB-328-28-553 Kit A: Required for aircraft post SB-328-28-490

NOTE: SB-328-28-553 Kit B: Required for aircraft pre SB-328-28-490

A Material Parts List

Item	Part Number	Qty.	Nomenclature	Remarks	Kit A	Kit B
1	W991 - 12DE	2	CLAMP	1 LH, 1 RH	X	
2	001A282A3170000	2	TUBE ASSEMBLY	1 LH, 1 RH	X	
3	001A282A4020204	8	SPACER	4 LH, 4 RH	X	X
4	001A282A3099202	2	TUBE	1 LH, 1 RH	X	X
5	001A282A3099204	2	TUBE	1 LH, 1 RH	X	X
6	001A282A3230002	1	TUBE ASSEMBLY	LH	X	X
7	001A282A3230003	1	TUBE ASSEMBLY	RH	X	X
8	AN735D12	4	CLAMP	2 LH, 2 RH	X	X
9	AN735D10	2	CLAMP	1 LH, 1 RH	X	X
10	LN9264 - 4X80	2	GROUNDING STRAP	1 LH, 1 RH	X	X
11	LN9264 - 4X100	2	GROUNDING STRAP	1 LH, 1 RH	X	X
12	LN9264 - 4X160	2	GROUNDING STRAP	1 LH, 1 RH	X	X
13	NAS1096 - 2 - 8	4	SCREW	2 LH, 2 RH	X	X
14	NAS1096 - 2 - 9	2	SCREW	1 LH, 1 RH	X	X
15	AN960JD8L	12	WASHER	6 LH, 6 RH Alternative: NAS1149DN816J	X	X
16	MS21042 - 08	6	NUT	3 LH, 3 RH	X	X
17	AN960JD10L	6	WASHER	4 LH, 4 RH Alternative: NAS1149D0332J	X	X
18	NAS1096 - 3 - 10	2	SCREW	1 LH, 1 RH	X	X

Item	Part Number	Qty.	Nomenclature	Remarks	Kit A	Kit B
19	DIN65202A0170M2	8	O-RING	4 LH, 4 RH Alternative: M25988/1-017	X	X
20	DIN65202B0200M2	8	O-RING	4 LH, 4 RH Alternative: M25988/1-117	X	

B Required Documents

Document Number	Nomenclature	Remarks
Miscellaneous	Technical Publication	As necessary

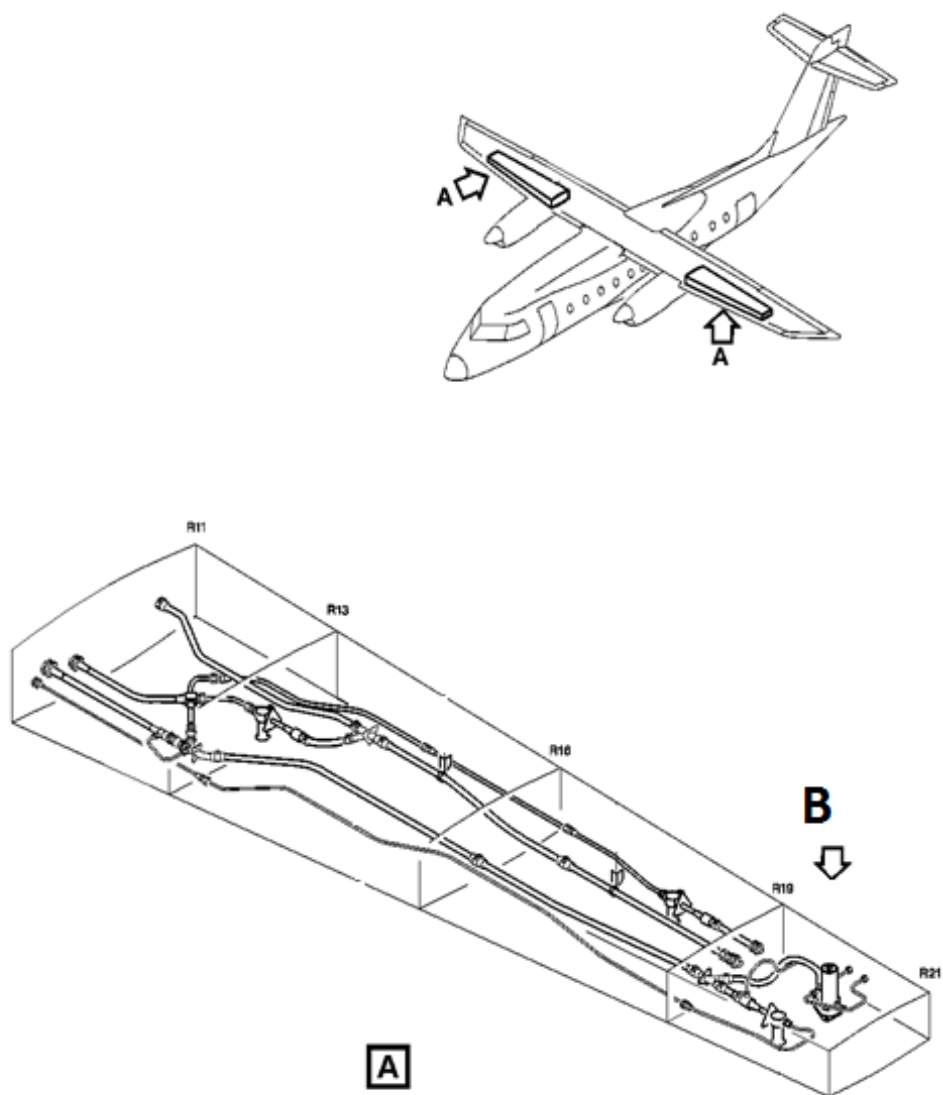


Figure 1: Overview

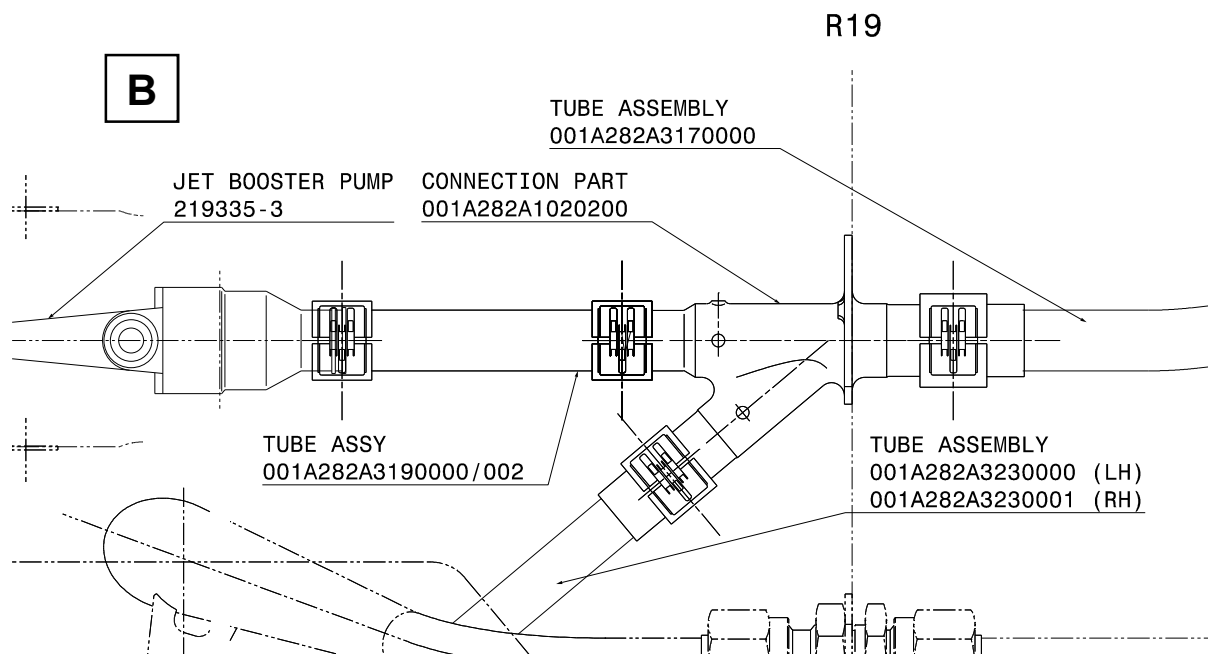


Figure 2: Pre-mod feeder tank distribution (Pre-SB-328-28-490)

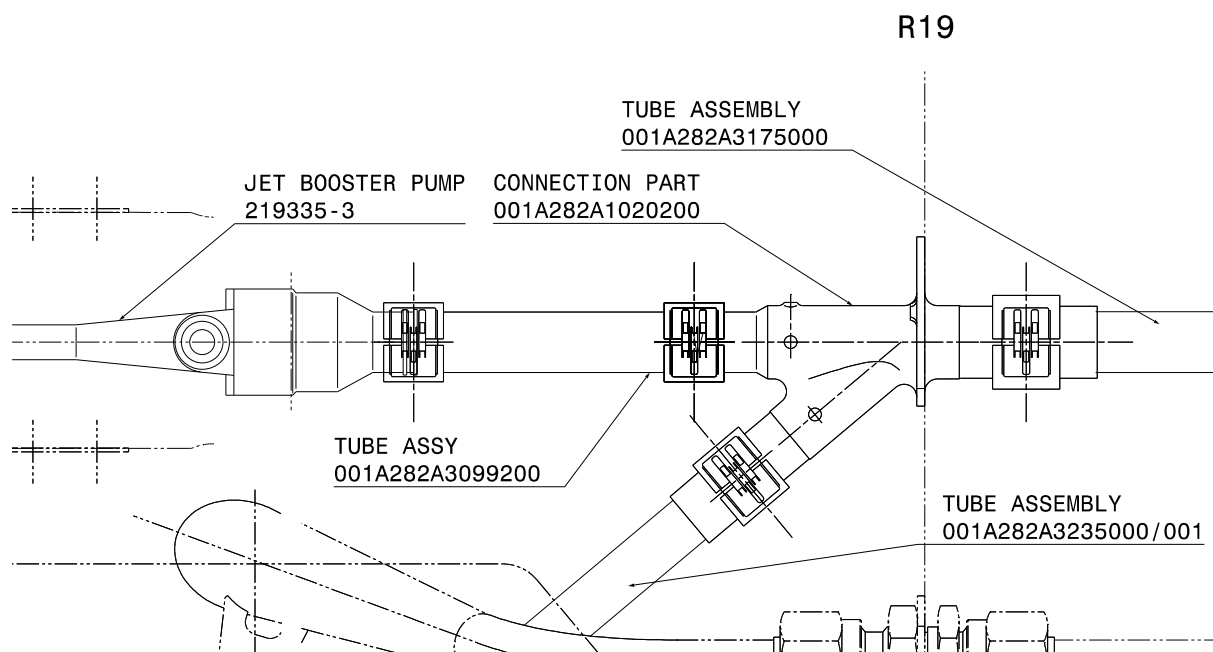
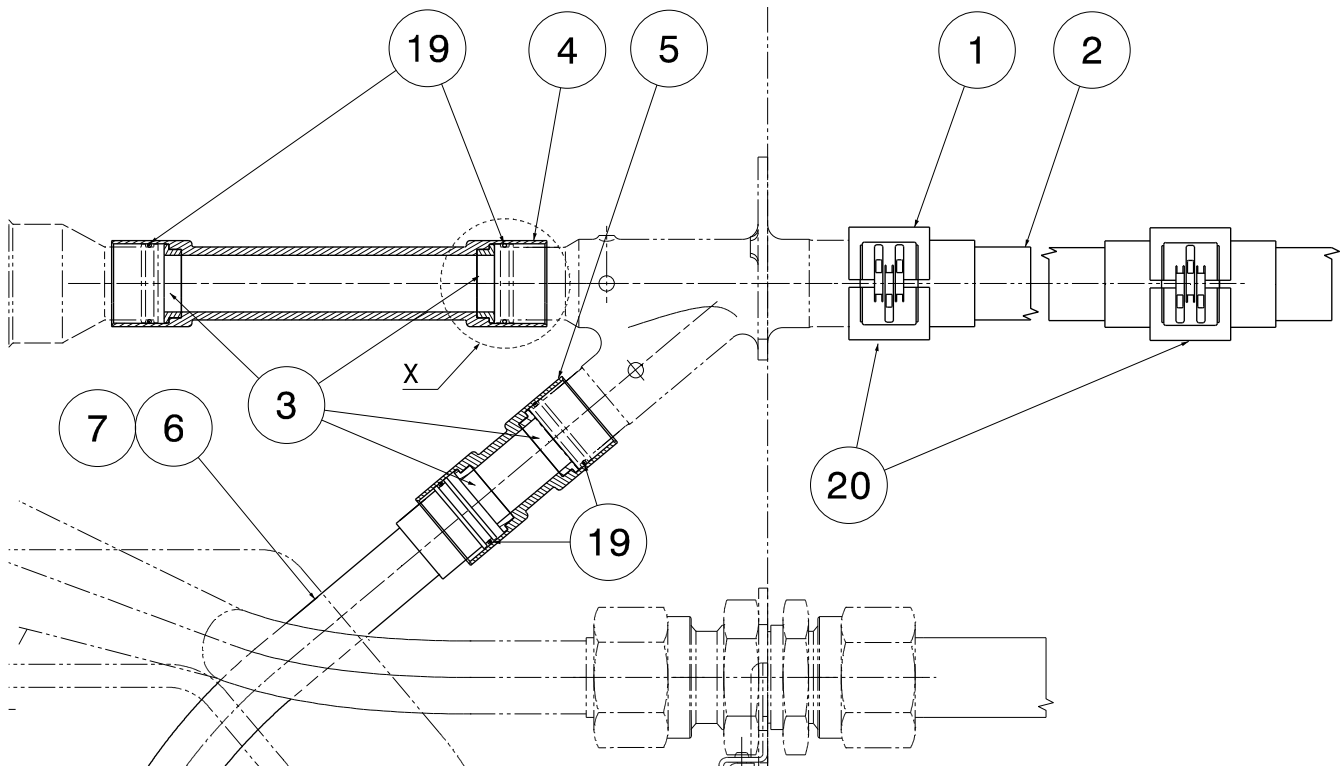


Figure 3: Pre-mod feeder tank distribution (Post-SB-328-28-490)

R19



X TYPICAL

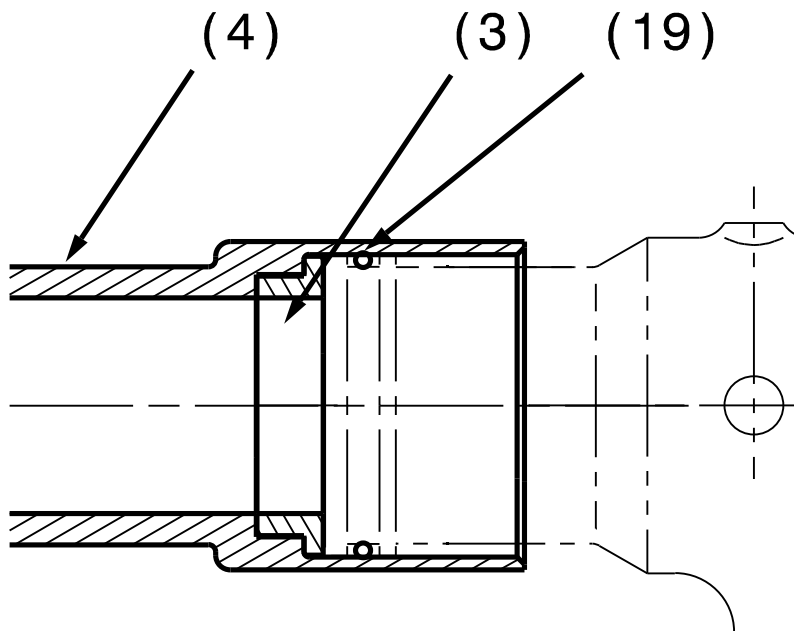
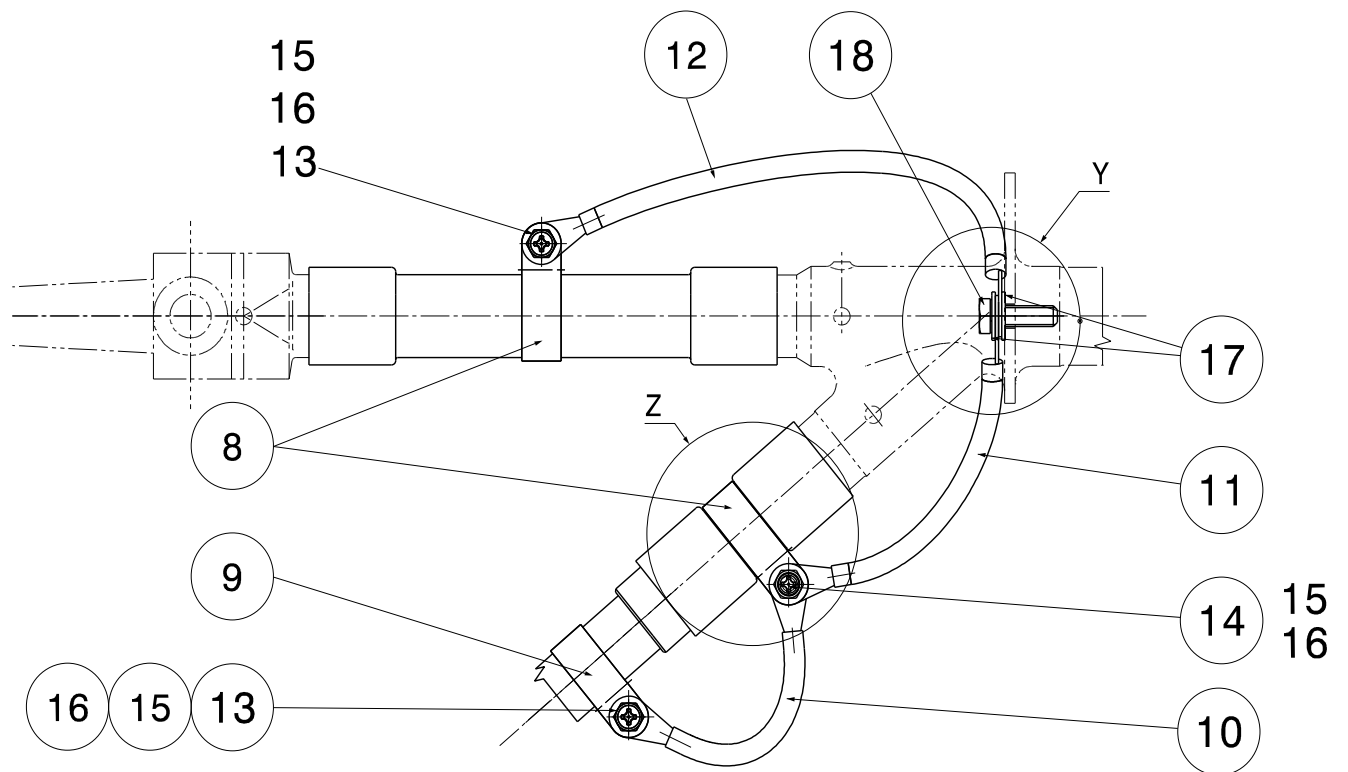


Figure 4: Feeder tank distribution (post-mod)



Y TYPICAL

Z TYPICAL

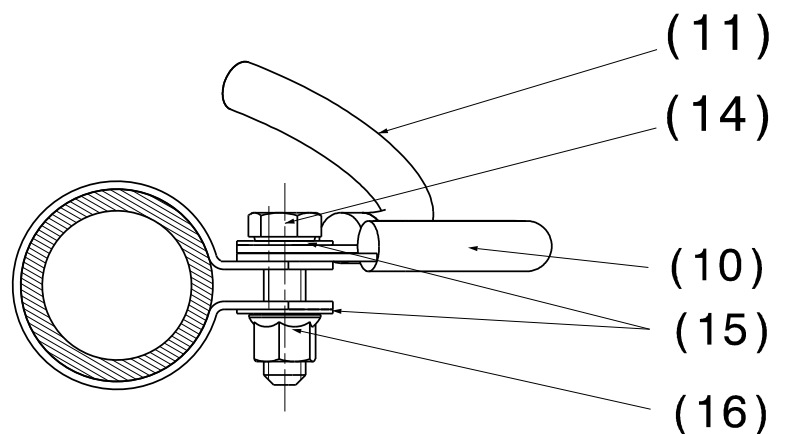
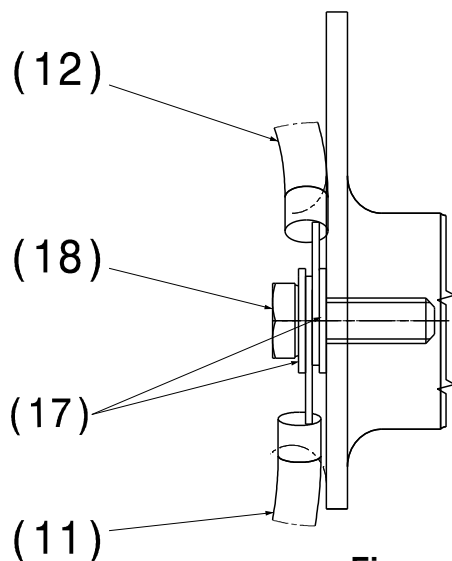


Figure 5: Electrical bonding (post-mod)



Figure 6: Feeder tank (post-mod)



Dornier 328 Compliance Report

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Please complete this compliance form for each aircraft only when it is applicable, and mail, e-mail, or fax to:

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From Company: _____

Doc. No.	Rev.	Title
SB-328-28-553	1	Fuel - Change of fuel lines within LH/RH feeder tank

Aircraft Serial Number: _____

Operator: _____

Total Flight Hours: _____ Total Landings: _____

Date of Compliance: _____

Comments: _____

Date

Authorized Signature