



A318/A319/A320/A321

SERVICE BULLETIN REVISION TRANSMITTAL SHEET

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ATA SYSTEM : 21

TITLE : AIR CONDITIONING - AVIONICS VENTILATION - INTRODUCE SEPARATE AVIONICS
VENTILATION DRAINAGE.

MODIFICATION No. : 27296P5350

This page transmits Revision No. 04 of Service Bulletin No. A320-21-1113

ADDITIONAL WORK

No additional work is required by this revision for aircraft modified by any
previous issue.

REASON

Revision No. 04 issued to update the aircraft/configuration attribution.

CHANGES

SUMMARY :

- EFFECTIVITY
 - . Operators updated.
- MANPOWER
 - . Config. 01 to Config. 03 updated. Config. 05 to Config. 08 added.
- Figure
 - . Updated.

PLANNING INFORMATION :

- EFFECTIVITY
 - . 1.A. Effectivity updated. MSN 0602 scrapped. Config. 05 to Config. 08 added. Aircraft/configuration attribution and NOTES updated.
- DESCRIPTION
 - . 1.D. Updated.
- MANPOWER

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- . 1.G. Config. 01 to Config. 04 updated. Config. 05 to Config. 08 added.
- WEIGHT AND BALANCE
 - . 1.H. Config. 05 to Config. 08 added.
- REFERENCES
 - . 1.J. ESPM and SM added.

MATERIAL INFORMATION :

- MATERIAL – PRICE AND AVAILABILITY
 - Price and Availability
 - . 2.A.(2) Sentence concerning kit availability added. Kit prices added.
- INDUSTRIAL SUPPORT
 - . 2.B. Information added.
- LIST OF COMPONENTS
 - . 2.C. Kit A05R01, quantity of parts updated.
- PARTS TO BE RE-IDENTIFIED BY OPERATOR
 - . 2.E. Item added.

ACCOMPLISHMENT INSTRUCTIONS :

- GENERAL
 - . 3.A. CAUTION added.
- MODIFICATION
 - . 3.B. Text updated. Config. 05 to Config. 08 added. Quantity of collars and hi-lok fasteners updated in kit A05R01. Steps on bench shifted to ACCOMPLISHMENT INSTRUCTIONS paragraph F.
- BENCH REMOVED COMPONENT AND SPARES
 - . 3. Text shifted from ACCOMPLISHMENT INSTRUCTIONS paragraph B.
- Figure 1
 - . Title updated.
- Figure 2
 - . Title updated.
- Figure 3

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- . Title updated.
- Figure 4
 - . Title updated. Sheet 2, Items 73 to 75 added.
- Figure 5
 - . Title updated.
- Figure 6
 - . Title updated. Sheet 2, Items 73 to 75 added.
- Figure 7
 - . Title updated.
- Figure 8
 - . Title updated.
- Figure 9
 - . Title updated.

FILING INSTRUCTIONS

This Service Bulletin has been generated electronically and is reissued as a complete document. Replace the complete document.

Put this Revision Transmittal Sheet in front of the Service Bulletin.

HISTORY OF PREVIOUS REVISIONS

Revision No. 01 issued to add aircraft MSN 0166 for operator MSR, MSN 0498 for operator AFR, aircraft MSN 0545 for operator SWR and delete aircraft MSN 0844, 0861, 0863 and 0868.

Revision No. 02 issued to update the preparation and close-up procedures and correct an item number in figures 4 and 6.

Revision No. 03 issued to add kit A05R00 (HI-LOK), which is an optional kit to make the installation of bracket PN D5391827400000 easier.

REVISION SEQUENCE

ORIGINAL : Sep 23/98

REVISION No. : 01 – Jul 20/99
REVISION No. : 02 – Mar 08/01
REVISION No. : 03 – Apr 16/02
REVISION No. : 04 – May 11/04

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This summary is for information only
and is not approved for modification of the aircraft

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - AVIONICS VENTILATION - INTRODUCE SEPARATE AVIONICS
VENTILATION DRAINAGE.

MODIFICATION No. : 27296P5350

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Operational experience has shown that water may pass through the filter into the avionics ventilation system.

On aircraft already equipped with an additional drainage line connected to the pax/crew door drainage line, experience has shown that the higher pressure in the avionics ventilation ducting prevents the door sill from draining properly.

This Service Bulletin introduces a segregated drainage of the GRU, and a separate drainage line for the avionics ventilation system.

Accomplishment of this Service Bulletin will improve protection of the avionics ventilation system against water contamination.

This Service Bulletin supersedes Service Bulletin No. A320-21-1078.

EVALUATION TABLE			
COMPLIANCE	Optional	CANCELS INSPECTION SB	No
POTENTIAL AD	No	A/C OPERATION AFFECTED	No
RELIABILITY AFFECTED	No	PAX COMFORT AFFECTED	No
COST SAVING	No	ETOPS AFFECTED	No
STRUCTURAL LIFE EXTN	No	VENDOR SB INVOLVED	No
KIT PRICE (USD)	See SB		

EFFECTIVITY

This Service Bulletin is applicable to this/these operator(s) :

55Y AAF AAR ABY ACA ADR AEF AFR AJM ALK AMC AMM AMU ANA AUA AWE AWW AZA BAW BGH
BIE BMA BWG C3J C9L CIB CJG CNW CRX CSC CSN CTN CYP D2F DLH EIN F2I FHY G2X GFA

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GWI GWY HDA HEJ HVN I2L IAC IBE JET KAC LAJ LAO LBT LTC LXR MEA MHS MLD MON MSR
MXA MYT NWA OHY P2C PAL PIC RJA RML RNV RYN SEU SSV TAI TAM TAP TAR TAS TCW TCX
TNA TSC UAL UKM VIR VKG VLE

NOTE : This modification is embodied before delivery on aircraft MSN 0844 0861
0863 0868 0872 0876 0877 0878 0879 0881 0883 and subsequent.

CONCURRENT REQUIREMENTS

None

REFERENCES/REPERCUSSIONS

TFU	: 21.26.43.005
OEB	: None
AOT	: None
SIL	: None
LIFE LIMIT	: None
LINE MAINTENANCE AFFECTED	: No
OTHERS	: None

NATURE OF THE WORK

AIRCRAFT	: YES
EQUIPMENT	: NO
HARD	: NO
SOFT	: NO
OBRM	: NO

MANPOWER

Config. 01

TOTAL MANHOURS	12.0
ELAPSED TIME (HOURS)	5.0

Config. 02

TOTAL MANHOURS	12.0
ELAPSED TIME (HOURS)	5.0

Config. 03

TOTAL MANHOURS	10.0
ELAPSED TIME (HOURS)	5.0

Config. 04

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	TOTAL MANHOURS	10.0
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	ELAPSED TIME (HOURS)	5.0
--	----------------------	-----

Config. 05

	TOTAL MANHOURS	10.0
--	----------------	------

	ELAPSED TIME (HOURS)	5.0
--	----------------------	-----

Config. 06

	TOTAL MANHOURS	10.0
--	----------------	------

	ELAPSED TIME (HOURS)	5.0
--	----------------------	-----

Config. 07

	TOTAL MANHOURS	13.0
--	----------------	------

	ELAPSED TIME (HOURS)	5.0
--	----------------------	-----

Config. 08

	TOTAL MANHOURS	10.0
--	----------------	------

	ELAPSED TIME (HOURS)	5.0
--	----------------------	-----

MATERIAL INFORMATION

AIRCRAFT DATA

Kit 211113A01R05

Duct assy

Kit 211113A02R04

Hose, cap, brackets, clamps

Kit 211113A03R02

Hose, cap, brackets, clamps

Kit 211113A04R00

Hose, caps, brackets, clamps

Kit 211113A05R01

Collar, Hi-Lok Fastener

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APPENDICES

None

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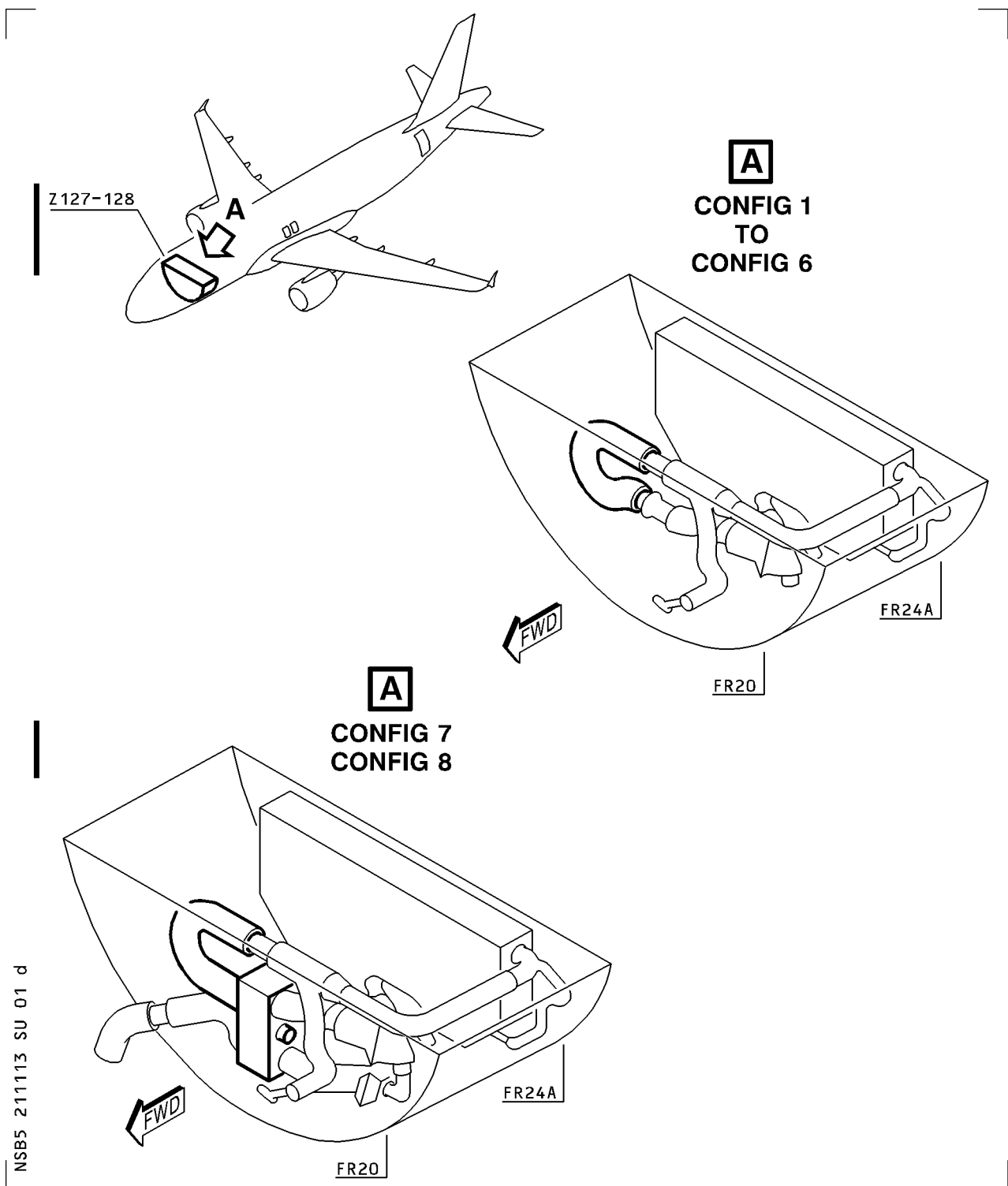
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ATA SYSTEM : 21

TITLE : AIR CONDITIONING - AVIONICS VENTILATION - INTRODUCE SEPARATE AVIONICS VENTILATION DRAINAGE.

MODIFICATION No. : 27296P5350

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1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Models

319-111 319-112 319-113 319-114 319-131 320-111 320-211 320-212
320-214 320-231 320-232 320-233 321-111 321-112 321-131 321-211
321-231

(2) Aircraft

(a) Effectivity by MSN

This Service Bulletin is applicable to Aircraft MSN :

0002-0008 0010-0014 0016-0078 0080-0091 0093-0104 0106-0373
0375-0432 0434-0480 0482-0535 0537-0601 0603-0707 0709-0843
0845-0860 0862 0864-0867 0869-0871 0873-0875 0880 0882

NOTE : This modification is embodied before delivery on
aircraft MSN 0844 0861 0863 0868 0872 0876 0877
0878 0879 0881 0883 and subsequent.

(b) Effectivity by Operator

The Operator/MSN relationship is provided for information only and is correct at the time of issue in accordance with the information available to Airbus. Any future changes resulting

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from transfer of an aircraft from one operator to another will not be reflected in this list unless the Service Bulletin is revised for another reason.

OPERATOR	MSN
55Y	0525 0579 0645
AAF	0808
AAR	0771 0855
ABY	0112 0371
ACA	0059 0068 0073 0084 0122 0126 0127 0141 0149 0150 0154 0159 0174 0175 0183 0210 0231 0232 0233 0242 0248 0253 0254 0255 0265 0277 0279 0283 0284 0290 0302 0305 0309 0310 0311 0324 0330 0333 0341 0342 0350 0359 0378 0384 0403 0404 0426 0546 0572 0634 0639 0649 0656 0670 0672 0674 0675 0682 0684 0688 0691 0693 0695 0697 0711 0719 0721 0728 0732 0736 0740 0742 0752 0757 0769 0773 0779 0785 0800 0813 0817 0829 0831 0840 0845
ADR	0043 0113 0114
AEF	0565 0580 0659 0661 0667 0787 0792
AFR	0002 0003 0004 0005 0007 0010 0012 0013 0014 0016 0019 0020 0021 0033 0036 0044 0061 0062 0063 0100 0101 0102 0108 0115 0128 0129 0130 0131 0133 0144 0145 0155 0156 0184 0186 0187 0188 0203 0204 0211 0214 0215 0220 0226 0227 0228 0235 0236 0237 0239 0244 0270 0278 0285 0286 0287 0337 0352 0377 0491 0498 0509 0521 0529 0544 0598 0600 0608 0618 0625 0637 0644 0647 0660 0777 0796
AJM	0422 0528 0624 0626 0628 0630 0666 0775
ALK	0304 0315 0406
AMC	0288 0293 0331
AMM	0677 0781 0852
AMU	0620 0631 0805
ANA	0138 0139 0148 0151 0167 0170 0196 0212 0219 0245 0300 0328 0365 0383 0413 0482 0501 0507 0531 0534 0549 0554 0658 0669 0685 0802 0811
AUA	0552 0570 0581 0768 0776 0797
AWE	0052 0053 0054 0055 0064 0065 0066 0067 0076 0077 0081 0082 0091 0098 0099 0238 0271 0317 0448 0455 0471 0527 0543 0584 0762 0770 0803 0856 0866
AWW	0022 0023
AZA	0434 0477 0488 0494 0495 0513 0514 0515 0516 0524 0526 0532 0576 0583 0586 0593 0599 0765 0819 0848
BAW	0006 0008 0011 0017 0018 0039 0042 0103 0109 0120
BGH	0029

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BIE	0517 0535 0642
BMA	0806 0810 0835 0864
BWG	0519 0530
C3J	0772 0799 0828
C9L	0547 0615 0632 0662
CIB	0774 0793 0809
CJG	0707 0724
CNW	0665 0754 0838 0854
CRX	0520 0577 0578 0585 0596 0603 0612 0621 0635 0643 0664 0673 0681 0701 0703 0713 0727 0734 0782 0827
CSC	0540 0550 0551 0556 0573 0582
CSN	0696 0698 0704 0705 0709 0710 0712 0718 0720 0722 0849 0859
CTN	0258 0767 0833
CYP	0028 0035 0037 0038 0180 0256 0295 0316
D2F	0326 0344 0478 0839
DLH	0069 0070 0078 0083 0093 0094 0104 0110 0111 0116 0117 0135 0137 0161 0162 0172 0200 0201 0202 0209 0216 0217 0218 0267 0268 0269 0346 0401 0412 0458 0468 0473 0474 0484 0493 0502 0505 0518 0560 0563 0564 0567 0595 0609 0610 0616 0623 0627 0636 0641 0651 0652 0679 0689 0692 0694 0699 0700 0717 0723 0729 0738 0744 0853 0860 0875
EIN	0553 0559 0815 0841
F2I	0322 0545 0566 0739 0743 0857
FHY	0132
G2X	0234 0761 0823
GFA	0325 0375 0409 0419 0421 0438 0445 0459 0466 0497 0537
GWI	0071 0072 0086 0147 0382 0646 0654 0794
GWY	0427
HDA	0633 0756 0784 0812 0816
HEJ	0425
HVN	0557 0590 0591 0594 0597 0601 0605 0607 0611 0617 0619 0648 0650
I2L	0542
IAC	0045 0046 0047 0048 0049 0050 0051 0056 0057 0058 0074 0075 0080 0089 0090 0095 0096 0097 0168 0179 0247 0257 0308 0314 0327 0336 0362 0376 0386 0396 0398 0416 0423 0431 0432 0451 0469 0486 0490 0492 0499

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IBE	0134 0136 0143 0146 0158 0173 0176 0177 0199 0207 0223 0224 0240 0241 0246 0264 0266 0274 0303 0312 0323 0356
JET	0363 0393 0414
KAC	0181 0182 0195
LAJ	0480
LAO	0024
LBT	0140 0157 0222 0299 0348
LTC	0142
LXR	0191 0221 0395 0870
MEA	0760
MHS	0026
MLD	0622
MON	0379 0389 0391 0392
MSR	0165 0166 0178 0194 0198 0351 0366 0680 0687 0715 0725
MXA	0225 0252 0259 0260 0261 0275 0276 0280 0291 0292 0296 0320 0321 0332 0347 0353 0361 0368 0369 0373 0405 0415 0428 0430 0447 0467 0588
MYT	0163 0164 0169 0193 0230 0349 0424 0429 0444 0449
NWA	0031 0032 0034 0040 0041 0060 0106 0107 0118 0121 0125 0152 0153 0160 0171 0192 0197 0206 0208 0213 0262 0263 0272 0273 0281 0282 0297 0298 0306 0307 0318 0319 0329 0339 0340 0355 0358 0360 0367 0372 0380 0381 0387 0388 0399 0400 0408 0410 0417 0418 0766 0778 0786 0801 0807 0818 0830 0832 0846
OHY	0313 0345 0364 0385 0663 0668
P2C	0025 0030 0522 0533 0541 0548 0562 0574
PAL	0706 0745 0753
PIC	0604 0614 0789
RJA	0087 0088 0289 0407 0569
RML	0397
RNV	0229 0726
RYN	0460 0461 0575 0640 0676
SEU	0653 0657
SSV	0338 0437 0476 0496 0671 0795
TAI	0558 0561 0733 0741 0747 0874
TAM	0243 0249 0250 0251 0334 0335 0440 0453 0758
TAP	0185 0750 0755 0763 0790 0821 0837
TAR	0119 0123 0124 0205 0370 0390 0402 0511 0869 0880

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OPERATOR	MSN
TAS	0629 0814
TCW	0354 0357 0394 0411 0443
TCX	0714 0716 0730 0735
TNA	0441 0538 0555 0606 0731 0746 0791 0822
TSC	0737 0749
UAL	0435 0439 0442 0450 0452 0454 0456 0457 0462 0463 0464 0465 0470 0472 0475 0479 0483 0485 0487 0489 0500 0503 0504 0506 0508 0510 0512 0523 0539 0568 0571 0587 0589 0592 0613 0638 0655 0678 0683 0686 0690 0702 0748 0751 0759 0780 0783 0788 0798 0804 0820 0824 0825 0826 0834 0836 0842 0843 0847 0850 0851 0858 0862 0865 0867 0871 0873 0882
UKM	0027
VIR	0764
VKG	0294 0301
VLE	0085 0189 0190 0343 0420 0436 0446

(c) Effectivity by MSN and Kit/Configuration

The kits and configurations applicable to these MSNs are given at the end of this list:

0006 0008 0011 0017-0018 0039 0042 0059 0068-0073 0078
0083-0084 0086 0093-0094 0103-0104 0109-0112 0116-0117 0120
0122 0126-0127 0134-0139 0141 0143 0146-0151 0154 0158-0159
0161-0162 0167 0170 0172-0177 0183 0185 0189-0191 0196
0199-0202 0207 0209-0210 0212 0215-0219 0221-0225 0230-0235
0238 0240-0242 0244-0248 0253-0255 0257 0264-0271 0274 0277
0279-0280 0283-0284 0288-0294 0299-0305 0308-0312 0314-0315
0317 0323-0324 0327-0328 0330-0331 0333 0336 0341-0343
0346-0350 0354 0356-0357 0359 0361-0363 0365 0371 0373 0376
0378 0382-0384 0386 0391-0395 0397 0401 0403-0405 0407 0409
0411-0415 0420 0422 0424-0430 0434 0436-0437 0441 0443-0444
0446-0447 0449 0455 0458 0460-0461 0467-0468 0471 0473-0474
0476-0478 0480 0482 0484 0488 0491 0493-0495 0498 0502 0505

KIT No.	QTY	PER A/C	CONFIGURATION
211113A01R05	1		01
211113A02R04	1		01 02
211113A05R01	1		01 02

NOTE (1) 211113A01R05 is valid for aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) and Mod. No. 23910P3132 (AIR CONDITIONING-AVIONICS

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VENTILATION-INSTALL A DRAINAGE DOWNSTREAM OF THE BLOWER) are not embodied.

NOTE (2) 211113A02R04 is valid for aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) is not embodied.

NOTE (3) 211113A05R01 is valid for all aircraft.
211113A05R01 is an optional kit for the installation of bracket PN D5391827400000.

NOTE (4) Config. 01 concerns aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) and Mod. No. 23910P3132 (Service Bulletin No. A320-21-1078) are not embodied.

NOTE (5) Config. 02 concerns aircraft on which some operators have already received a kit similar to Kit 211113A01R05 for accomplishment of Service Bulletin No. A320-21-1078. Consequently, Kit 211113A01R05 has not been allocated to these operators. These operators will use Kit 211078A01 to accomplish the procedure specified in ACCOMPLISHMENT INSTRUCTIONS paragraph B.(2) (a).

The kits and configurations applicable to these MSNs are given at the end of this list:

0322

KIT No.	QTY PER A/C	CONFIGURATION
211113A01R05	1	04
211113A02R04	1	04 05
211113A05R01	1	04 05

NOTE (1) 211113A01R05 is valid for aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) and Mod. No. 23910P3132 (AIR CONDITIONING-AVIONICS VENTILATION-INSTALL A DRAINAGE DOWNSTREAM OF THE BLOWER) are not embodied.

NOTE (2) 211113A02R04 is valid for aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) is not embodied.

NOTE (3) 211113A05R01 is valid for all aircraft.
211113A05R01 is an optional kit for the installation of bracket PN D5391827400000.

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- NOTE (4) Config. 04 concerns aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) and Mod. No. 23910P3132 (Service Bulletin No. A320-21-1078) are not embodied.
- NOTE (5) Config. 05 concerns aircraft on which some operators have already received a kit similar to Kit 211113A01R05 for accomplishment of Service Bulletin No. A320-21-1078. Consequently, Kit 211113A01R05 has not been allocated to these operators. These operators will use Kit 211078A01 to accomplish the procedure specified in ACCOMPLISHMENT INSTRUCTIONS paragraph B.(2) (a).

The kits and configurations applicable to these MSNs are given at the end of this list:

0002-0005 0007 0010 0012-0014 0016 0019-0027 0029-0034 0036
0040-0041 0043-0044 0052-0055 0060-0067 0076-0077 0081-0082
0085 0091 0098-0102 0106-0108 0113-0115 0118-0119 0121
0124-0125 0128-0133 0140 0142 0144-0145 0152-0153 0155-0157
0160 0163-0164 0168-0169 0171 0179 0184 0186-0188 0192-0193
0197 0203-0206 0208 0211 0213-0214 0220 0226-0229 0236-0237
0239 0243 0249-0252 0259-0263 0272-0273 0275-0276 0278
0281-0282 0285-0287 0296-0298 0306-0307 0313 0318-0321 0325
0329 0334-0335 0337-0340 0345 0352-0353 0355 0358 0360
0367-0368 0370 0372 0375 0377 0379-0381 0387-0390 0399-0400
0402 0408 0410 0417-0419 0421 0435 0438-0440 0442 0445 0448
0450 0452-0454 0456-0457 0459 0462-0466 0470 0472 0475 0479
0483 0485 0487 0489

KIT No.	QTY PER A/C	CONFIGURATION
---------	-------------	---------------

211113A02R04	1	03
211113A05R01	1	03

- NOTE (1) 211113A02R04 is valid for aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) is not embodied.
- NOTE (2) 211113A05R01 is valid for all aircraft.
211113A05R01 is an optional kit for the installation of bracket PN D5391827400000.
- NOTE (3) Config. 03 concerns aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) is not embodied and Mod. No. 23910P3132 (Service Bulletin No. A320-21-1078) is embodied.

The kits and configurations applicable to these MSNs are given at the end of this list:

0364 0385 0496-0497 0500-0501 0503-0504 0506-0535 0537

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0539-0554 0556-0568 0570-0601 0603-0605 0607-0679 0681-0686
0688-0707 0709-0714 0716-0724 0726-0730 0732-0745 0747-0790
0792-0821 0823-0843 0845-0860 0862 0864-0867 0869-0871
0873-0875 0880 0882

KIT No.	QTY PER A/C	CONFIGURATION
211113A02R04	1	06
211113A05R01	1	06

NOTE (1) 211113A02R04 is valid for aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) is not embodied.

NOTE (2) 211113A05R01 is valid for all aircraft.
211113A05R01 is an optional kit for the installation of bracket PN D5391827400000.

NOTE (3) Config. 06 concerns aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) is not embodied and Mod. No. 23910P3132 (Service Bulletin No. A320-21-1078) is embodied.

The kits and configurations applicable to these MSNs are given at the end of this list:
0344

KIT No.	QTY PER A/C	CONFIGURATION
211113A03R02	1	07
211113A05R01	1	07

NOTE (1) 211113A03R02 is valid for aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) is embodied and Mod. No. 24372P3582 (Service Bulletin No. A320-21-1078) is not embodied.

NOTE (2) 211113A05R01 is valid for all aircraft.
211113A05R01 is an optional kit for the installation of bracket PN D5391827400000.

NOTE (3) Config. 07 concerns aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) is embodied and Mod. No. 24372P3582 (Service Bulletin No. A320-21-1078) is not embodied.

The kits and configurations applicable to these MSNs are given at the end of this list:
0028 0035 0037-0038 0045-0051 0056-0058 0074-0075 0080
0087-0090 0095-0097 0123 0165-0166 0178 0180-0182 0194-0195

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0198 0256 0258 0295 0316 0326 0332 0351 0366 0369 0396 0398
0406 0416 0423 0431-0432 0451 0469 0486 0490 0492 0499 0538
0555 0569 0606 0680 0687 0715 0725 0731 0746 0791 0822

KIT No.	QTY	PER A/C	CONFIGURATION
---------	-----	---------	---------------

211113A04R00	1		08
--------------	---	--	----

211113A05R01	1		08
--------------	---	--	----

NOTE (1) 211113A04R00 is valid for aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) and Mod. No. 24372P3582 (Service Bulletin No. A320-21-1078) are embodied.

NOTE (2) 211113A05R01 is valid for all aircraft. 211113A05R01 is an optional kit for the installation of bracket PN D5391827400000.

NOTE (3) Config. 08 concerns aircraft on which Mod. No. 20056P0073 (Service Bulletin No. A320-21-1067) and Mod. No. 24372P3582 (Service Bulletin No. A320-21-1078) are embodied.

(3) Spares

Blowing Duct	D2121036400300
--------------	----------------

or

Blowing Duct	D2121036400340
--------------	----------------

B. CONCURRENT REQUIREMENTS

None

C. REASON

(1) History

Operational experience has shown that water may pass through the filter into the avionics ventilation system.

On aircraft already equipped with an additional drainage line connected to the pax/crew door drainage line, experience has shown that the higher pressure in the avionics ventilation ducting prevents the door sill from draining properly.

(2) Objective/Action

This Service Bulletin introduces a segregated drainage of the GRU and a separate drainage line for the avionics ventilation system.

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(3) Advantages

Accomplishment of this Service Bulletin will improve protection of the avionics ventilation system against water contamination.

This Service Bulletin supersedes Service Bulletin No. A320-21-1078.

(4) Operational/Maintenance Consequences

None

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

(1) Config. 01 and Config. 04

(a) Kit 211113A01R05

- 1 Modify the duct assy in the avionics compartment

(2) Config. 02 and Config. 05

(a) Kit 211078A01

- 1 Modify the duct assy in the avionics compartment

(3) Config. 01 , Config. 02 , Config. 03 and Config. 06

(a) Kit 211113A02R04 and Kit 211113A05R01

- 1 Remove the drain tube in the avionics compartment

(4) Config. 01 thru Config. 06

(a) Kit 211113A02R04 and Kit 211113A05R01

- 1 Install the drain tube in the avionics compartment

(5) Config. 07

(a) Kit 211113A03R02 and Kit 211113A05R01

- 1 Modify the blowing system in the avionics compartment
- 2 Install the drain tube in the avionics compartment

(6) Config. 08

(a) Kit 211113A04R00 and Kit 211113A05R01

- 1 Remove the blowing system in the avionics compartment
- 2 Install the drain tube in the avionics compartment



E. COMPLIANCE

(1) Classification

Optional

(2) Accomplishment Timescale

In accordance with operators' maintenance schedule.

F. APPROVAL

The technical content of this Service Bulletin has been approved under the authority of the DGAC Design Organisation Approval No. F.JA.02.

If an aircraft listed in the effectivity has a modification or repair embodied that is not of AIRBUS origin, and which affects the content of this Service Bulletin, the operator is responsible for obtaining approval by its airworthiness authority for any adaptation necessary before incorporation of the Service Bulletin.

G. MANPOWER

This Service Bulletin is written for an aircraft in a maintenance status. The manhours/elapsed time estimates do not include the time to prepare for the modification, non-productive elapsed time or administration.

Config. 01

Get access	1.0
Modify the duct assy	2.0
Remove the drain tube	2.0
Install the drain tube	5.5
Test	0.5
Close-up	1.0
TOTAL MANHOURS	12.0
ELAPSED TIME (HOURS)	5.0

Config. 02

Get access	1.0
Modify the duct assy	2.0
Remove the drain tube	2.0
Install the drain tube	5.5
Test	0.5
Close-up	1.0

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	TOTAL MANHOURS	12.0
	ELAPSED TIME (HOURS)	5.0
	Config. 03	
	Get access	1.0
	Remove the drain tube	2.0
	Install the drain tube	5.5
	Test	0.5
	Close-up	1.0
	TOTAL MANHOURS	10.0
	ELAPSED TIME (HOURS)	5.0
	Config. 04	
	Get access	1.0
	Modify the duct assy	2.0
	Install the drain tube	5.5
	Test	0.5
	Close-up	1.0
	TOTAL MANHOURS	10.0
	ELAPSED TIME (HOURS)	5.0
	Config. 05	
	Get access	1.0
	Modify the duct assy	2.0
	Install the drain tube	5.5
	Test	0.5
	Close-up	1.0
	TOTAL MANHOURS	10.0
	ELAPSED TIME (HOURS)	5.0
	Config. 06	
	Get access	1.0
	Remove the drain tube	2.0
	Install the drain tube	5.5
	Test	0.5
	Close-up	1.0
	TOTAL MANHOURS	10.0
	ELAPSED TIME (HOURS)	5.0



Config. 07

Get access	1.0
Modify the blowing system	5.0
Install the drain tube	5.5
Test	0.5
Close-up	1.0
TOTAL MANHOURS	13.0
ELAPSED TIME (HOURS)	5.0

Config. 08

Get access	1.0
Remove the drain tube	2.0
Install the drain tube	5.5
Test	0.5
Close-up	1.0
TOTAL MANHOURS	10.0
ELAPSED TIME (HOURS)	5.0

H. WEIGHT AND BALANCE

Config. 01 , Config. 02 , Config. 03 , Config. 04 , Config. 05 , Config. 06 , Config. 07 and Config. 08

Manufacturers Empty Weight : +0.700 kg (+1.5432 lb)

Effect on Balance : +5.293 kgm (+38.284 lb.ft)

I. ELECTRICAL LOAD DATA

Not changed

J. REFERENCES

Aircraft Maintenance Manual (AMM) : 12-34-24 21-26-00 24-41-00
52-11-00 52-31-00 52-40-00
53-12-13

Consumable Material List (CML)

Elec. Std. Practices Manual (ESPM) : 20-55-00

Structural Repair Manual (SRM) : 51-42-11 51-44-00 51-46-11

Standards Manual (SM)

K. PUBLICATIONS AFFECTED

Illustrated Parts Catalog (IPC) : 53-19-01

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L. INTERCHANGEABILITY/MIXABILITY

Not applicable

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2. MATERIAL INFORMATION

A. MATERIAL – PRICE AND AVAILABILITY

(1) Material

Customers with aircraft shown in the effectivity of this Service Bulletin should send a purchase order to Airbus. Quote the number of this Service Bulletin. The address is :

AIRBUS
MATERIEL SUPPORT CENTER
P.O. Box 630262
22312 HAMBURG
GERMANY

(2) Price and Availability

Kit 211113A01R05

Cost : 3,030 US Dollars

Availability : 120 calendar days from receipt of order

The Kit availability given above is the standard lead time from the date of your purchase order. If you require the Kit(s) before this time, please include a retrofit planning schedule with your order so that we can try to comply with your requirements.

Kit 211113A02R04

Cost : 430 US Dollars

Availability : 120 calendar days from receipt of order

The Kit availability given above is the standard lead time from the date of your purchase order. If you require the Kit(s) before this time, please include a retrofit planning schedule with your order so that we can try to comply with your requirements.

Kit 211113A03R02

Cost : 1,070 US Dollars

Availability : 120 calendar days from receipt of order

The Kit availability given above is the standard lead time from the date of your purchase order. If you require the Kit(s) before this time, please include a retrofit planning schedule with your order so that we can try to comply with your requirements.

Kit 211113A04R00

Cost : 790 US Dollars

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SERVICE BULLETIN

Availability : 120 calendar days from receipt of order

The Kit availability given above is the standard lead time from the date of your purchase order. If you require the Kit(s) before this time, please include a retrofit planning schedule with your order so that we can try to comply with your requirements.

Kit 211113A05R01

Cost : 60 US Dollars

Availability : 120 calendar days from receipt of order

The Kit availability given above is the standard lead time from the date of your purchase order. If you require the Kit(s) before this time, please include a retrofit planning schedule with your order so that we can try to comply with your requirements.

B. INDUSTRY SUPPORT INFORMATION

Airbus will provide the material at no charge for orders placed before Dec 31/05. Airbus will also credit the manhours indicated in this Service Bulletin at the operator's agreed in-house warranty labor rate upon receipt of a warranty claim.

C. LIST OF COMPONENTS

Kit 211113A01R05

ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT	INST	DISP
1	D2121155600040	1		Duct					
3	NSA8203-264	1		Packing					
4	NSA8603-837	1		Clamp					

Kit 211113A02R04

ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT	INST	DISP
40	D2121069823400	1		Hose					
41	D5391543000000	2		Bracket					
42	D5391827200000	1		Bracket					
43	D5391827400000	1		Bracket					
44	F5311302000000	1		Cap					
45	D5391827700000	1		Bracket					
46	ASNA0033-019	1		Clamp				02	
47	ASNA2050DCJ3215	8		Rivet					
48	ASNA2050DEJ4020	3		Rivet					
49	ASNA2397C10L	5		Washer					
50	NAS1096-3-10	4		Screw				01	
51	NAS1096-3-16	1		Screw					

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ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT	INST	DISP
52	NSA5515-10	5		Clamp					
53	NSA5527-03-06	1		Spacer					

NOTE : For definitions of interchangeability codes shown in column INT.
refer to ATA 200 Chapter 1A-2.

Kit 211113A03R02

ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT	INST	DISP
14	D2121163700000	1		Union					
15	D2121163400000	1		Union					
40	D2121069823400	1		Hose					
41	D5391543000000	2		Bracket					
42	D5391827200000	1		Bracket					
43	D5391827400000	1		Bracket					
44	F5311302000000	1		Cap					
45	D5391827700000	1		Bracket					
46	ASNA0033-019	2		Clamp				02	
47	ASNA2050DCJ3215	10		Rivet					
48	ASNA2050DEJ4020	3		Rivet					
49	ASNA2397C10L	8		Washer					
50	NAS1096-3-10	2		Screw				01	
52	NSA5515-10	3		Clamp					
54	D5391543000100	1		Bracket					
60	D2121069823900	1		Hose					
61	D2121069824000	1		Hose					
62	ASNA0033-011	1		Clamp					
63	NSA5515-7	4		Clamp					
64	NSA5515-6	3		Clamp					
65	NSA5527-03-14	1		Spacer					
66	NAS1096-3-25	2		Screw				01	
67	NAS1096-3-9	2		Screw				01	
68	NAS1096-3-14	1		Screw					
69	NSA5527-03-15	1		Spacer					
70	NSA5516-33ND	2		Clamp					
71	NAS1096-3-8	1		Screw					

NOTE : For definitions of interchangeability codes shown in column INT.
refer to ATA 200 Chapter 1A-2.

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ITEM	NEW PART No.	QTY UM	KEYWORD	ITEM	OLD PART No.	INT INST DISP
40	D2121069823400	1	Hose			
41	D5391543000000	2	Bracket			
42	D5391827200000	1	Bracket			
43	D5391827400000	1	Bracket			
44	F5311302000000	2	Cap			
45	D5391827700000	1	Bracket			
46	ASNA0033-019	2	Clamp			02
47	ASNA2050DCJ3215	10	Rivet			
48	ASNA2050DEJ4020	3	Rivet			
49	ASNA2397C10L	8	Washer			
50	NAS1096-3-10	2	Screw			01
52	NSA5515-10	3	Clamp			
54	D5391543000100	1	Bracket			
60	D2121069823900	1	Hose			
61	D2121069824000	1	Hose			
62	ASNA0033-011	1	Clamp			
63	NSA5515-7	4	Clamp			
64	NSA5515-6	3	Clamp			
65	NSA5527-03-14	1	Spacer			
66	NAS1096-3-25	2	Screw			01
67	NAS1096-3-9	2	Screw			01
68	NAS1096-3-14	1	Screw			
69	NSA5527-03-15	1	Spacer			
70	NSA5516-33ND	2	Clamp			
71	NAS1096-3-8	1	Screw			

NOTE : For definitions of interchangeability codes shown in column INT.
refer to ATA 200 Chapter 1A-2.

Kit 211113A05R01

ITEM	NEW PART No.	QTY UM	KEYWORD	ITEM	OLD PART No.	INT INST DISP
73	NSA5075-5	6	Collar			
74	DAN5-5-2	6	Hi-Lok			
75	DAN5-5-3	6	Hi-Lok			

NOTE : Refer to the AIRBUS Standards Manual (SM) if you find part numbers of hardware components in the related kit(s) which you cannot identify in the LIST OF COMPONENTS of this Service Bulletin. The SM will give you the correct part number to part number relationship.

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**D. LIST OF MATERIALS – OPERATOR SUPPLIED****(1) Consumable Materials**

DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	INST DISP
General Purpose Adhesive	08-001	As required	
Honeycomb Filler			
Solvent	11-026	As required	
Primer Coating Epoxy	16-006	As required	
Polyamide Chemical			
Polyurethane Finish Paint (For External Applic.)	16-018	As required	
Wash Primer	16-020	As required	
Glass Cloth 1581-HT9-44	None	As required	NOTE (1)
Glass Cloth 7628	None	As required	NOTE (1)
Cement phenolic URAVAR78900	None	As required	NOTE (2)

NOTE (1) The operator must get this material from :

EXCEL-COMPOSITE
Zone Industrielle La Plaine
01120 DAGNEUX
FRANCE
Tel: (33) 4 72 25 26 27

(2) Components

None

E. PARTS TO BE RE-IDENTIFIED BY THE OPERATOR

ITEM	NEW PART No.	KEYWORD	ITEM	OLD PART No.	INT
27	D2121163800000	Duct	(27)	D2121099800000	03
28	D2121163500000	Shutter	(28)	D2121104800000	03

NOTE : For definitions of interchangeability codes in column INT. refer to ATA 200 Chapter 1A-2.

F. TOOLING – PRICE AND AVAILABILITY

None

G. SPECIAL TOOLS

None

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3. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

WARNING : MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND ALL THE CAUTIONS INCLUDED IN THE REFERENCED PROCEDURES.

CAUTION : ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE). WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE. TO DO THIS:

- PUT PROTECTION, SUCH AS PLASTIC SHEETING, CLOTHS, ETC., AS NECESSARY ON WIRING AND COMPONENTS
- REGULARLY REMOVE ALL SHAVINGS, UNWANTED MATERIAL AND OTHER CONTAMINATION.

THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION.

IF THERE IS CONTAMINATION, REFER TO ESPM 20-55-00, CLEANING.

(1) Preparation

- (a) De-energize the aircraft electrical circuits, (Refer to AMM 24-41-00 Page block 201).
- (b) Electrically ground the aircraft, (Refer to AMM 12-34-24 Page block 201).
- (c) Put the access platform(s) in position.
- (d) Open the passenger/crew door 831, (Refer to AMM 52-11-00 Page block 1).
- (e) Open the FWD cargo-compartment door 825, (Refer to AMM 52-31-00 Page block 1).
- (f) Open the avionics doors 811, 822 and 824, (Refer to AMM 52-40-00 Page block 1).
- (g) Remove the floor panels 127BF and 128CF, (Refer to AMM 53-12-13 Page block 401).
- (h) Open, safety and tag this circuit breaker :

PANEL	DESIGNATION	FIN	LOCATION
49VU	AIR COND/AVNCS VENT/CTL	6HQ	06 D

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**(2) Standard Practices**

- (a) For the specification of the material numbers (Mat. No.), refer to the CML.
- (b) Clean the work area with Solvent (Mat No. 11-026) .
- (c) Cut solid rivets to the necessary length.
- (d) Remove and install the fasteners, (Refer to SRM 51-42-11).
- (e) Drill and deburr the holes, (Refer to SRM 51-44-00).
- (f) If necessary, countersink the holes, (Refer to SRM 51-46-11).
- (g) After drilling and cutting, apply Wash Primer (Mat No. 16-020) , Primer Coating Epoxy Polyamide Chemical (Mat No. 16-006) and Polyurethane Finish Paint (For External Applic.) (Mat No. 16-018) to the affected areas.

B. MODIFICATION**(1) Config. 01 and Config. 04****(a) Kit 211113A01R05****1 Modify the duct assy in the avionics compartment**

Refer to figure 1

a Loosen the clamps, Item (12).**b Remove :**

1	Clamp		Item (4)	Discard
1	Packing		Item (3)	Discard
1	Duct Assy	D2121036400100	Item (1)	Discard

or

1	Duct Assy	D2121036400300	Item (1)	Discard
---	-----------	----------------	----------	---------

or

1	Duct Assy	D2121036400340	Item (1)	Discard
---	-----------	----------------	----------	---------

c Install:

1	Duct Assy	D2121155600040	Item 1	
---	-----------	----------------	--------	--

With:

1	Packing	NSA8203-264	Item 3	
1	Clamp	NSA8603-837	Item 4	

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d Tighten the clamps, Item (12).

(2) Config. 02 and Config. 05

(a) Kit 211078A01

1 Modify the duct assy in the avionics compartment

Refer to figure 1

a Loosen the clamps, Item (12).

b Remove :

1	Clamp		Item (4)	Discard
1	Packing		Item (3)	Discard
1	Duct Assy	D2121036400100	Item (1)	Discard

or

1	Duct Assy	D2121036400300	Item (1)	Discard
---	-----------	----------------	----------	---------

or

1	Duct Assy	D2121036400340	Item (1)	Discard
---	-----------	----------------	----------	---------

c Install :

1	Duct Assy	D2121155600000	Item 1	
---	-----------	----------------	--------	--

With :

1	Packing	NSA8203-264	Item 3	
1	Clamp	NSA8603-837	Item 4	

d Tighten the clamps, Item (12).

(3) Config. 01 , Config. 02 , Config. 03 and Config. 06

(a) Kit 211113A02R04

Refer to figure 2

1 Remove the drain tube in the avionics compartment

Refer to figure 2

a Remove :

Refer to figure 2

2	Clamp		Item (24)	Retain
1	Clamp		Item (7)	Discard
1	Clamp		Item (8)	Discard



1	Screw	Item (9)	Discard
1	Washer	Item (10)	Discard
1	Nut	Item (11)	Discard
1	Tube	Item (5)	Discard

b Install :

Refer to figure 2 , view C

1 Cap F5311302000000 Item 44

With :

1 Clamp Item (24)

NOTE : Item (24) was retained at removal.

(4) Config. 01 thru Config. 06

(a) Kit 211113A02R04 and Kit 211113A05R01

1 Install the drain tube in the avionics compartment

Refer to figures 4 and 5

a Install :

Refer to figure 4 , sheet 2 , view F

1 Bracket D5391543000000 Item 41

with :

2 Rivet ASNA2050DCJ3215 Item 47

or with :

2 Collar NSA5075-5 Item 73

2 Hi-Lok Fastener DAN5-5-2 Item 74

or

2 Hi-Lok Fastener DAN5-5-3 Item 75

b Install :

Refer to figure 4 , sheet 2 , view G

1 Bracket D5391543000000 Item 41

with :

2 Rivet ASNA2050DCJ3215 Item 47



or with :

2	Collar	NSA5075-5	Item 73
2	Hi-Lok Fastener	DAN5-5-2	Item 74

or

2	Hi-Lok Fastener	DAN5-5-3	Item 75
---	-----------------	----------	---------

c Install :

Refer to figure 4 , sheet 1 , view C

1	Bracket	D5391827200000	Item 42
---	---------	----------------	---------

with :

2	Rivet	ASNA2050DCJ3215	Item 47
---	-------	-----------------	---------

d Install :

Refer to figure 4 , sheet 1 , view D

1	Bracket	D5391827400000	Item 43
---	---------	----------------	---------

with :

2	Rivet	ASNA2050DCJ3215	Item 47
---	-------	-----------------	---------

or with :

2	Collar	NSA5075-5	Item 73
2	Hi-Lok Fastener	DAN5-5-2	Item 74

or

2	Hi-Lok Fastener	DAN5-5-3	Item 75
---	-----------------	----------	---------

e Install :

Refer to figure 4 , sheet 2 , views E and H

1	Bracket	D5391827700000	Item 45
---	---------	----------------	---------

with :

3	Rivet	ASNA2050DEJ4020	Item 48
---	-------	-----------------	---------

f Install :

Refer to figure 5 , sheet 1 , views C and E

1	Hose	D2121069823400	Item 40
---	------	----------------	---------



with :

1	Clamp	ASNA0033-019	Item 46
1	Washer	ASNA2397C10L	Item 49
1	Screw	NAS1096-3-10	Item 50
1	Clamp	NSA5515-10	Item 52

g Install :

Refer to figure 5 , sheet 2 , view H

1	Clamp	NSA5515-10	Item 52
1	Washer	ASNA2397C10L	Item 49
1	Screw	NAS1096-3-10	Item 50

h Install :

Refer to figure 5 , sheet 2 , view J

2	Clamp	NSA5515-10	Item 52
2	Washer	ASNA2397C10L	Item 49
1	Screw	NAS1096-3-16	Item 51
1	Spacer	NSA5527-03-06	Item 53
1	Screw	NAS1096-3-10	Item 50

i Install :

Refer to figure 5 , sheet 2 , view G

1	Clamp	NSA5515-10	Item 52
1	Washer	ASNA2397C10L	Item 49
1	Screw	NAS1096-3-10	Item 50

(5) Config. 07

(a) Kit 211113A03R02 and Kit 211113A05R01

1 Modify the blowing system in the avionics compartment

Refer to figures 3 and 8

a Remove :

4	Clamp		Item (18)	Retain
8	Clamp		Item (19)	Retain
1	Duct Assy	D2121099800000	Item (27)	Retain
1	Shutter	D2121104800000	Item (28)	Retain

b Install:

Refer to figure 3

1	Duct assy	D2121163800000	Item (27)
1	Shutter	D2121163500000	Item (28)

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with:

4	Clamp	Item (18)
8	Clamp	Item (19)

NOTE : The clamps Item (18) and Item (19) were retained at removal.

c Remove the drain tube from the ground cooling unit

Refer to figure 8 , sheet 1

2	Clamp	Item (24)	Discard
1	Clamp	Item (59)	Discard
1	Hose	Item (53)	Discard

d Install:

1	Cap	F5311302000000	Item 44
---	-----	----------------	---------

with :

1	Clamp	Item (24)
---	-------	-----------

NOTE : Item (24) was retained at removal.

2 Install the drain tube in the avionics compartment

Refer to figures 6 and 9

a Install :

Refer to figure 6 , views C, E and F

1	Bracket	D5391827700000	Item 45
1	Bracket	D5391827200000	Item 42
1	Bracket	D5391543000100	Item 54

with :

4	Rivet	ASNA2050DCJ3215	Item 47
3	Rivet	ASNA2050DEJ4020	Item 48

b Install :

Refer to figure 6 , views D, F and G

2	Bracket	D5391543000000	Item 41
1	Bracket	D5391827400000	Item 43

with :

6	Rivet	ASNA2050DCJ3215	Item 47
---	-------	-----------------	---------



or with :

6	Collar	NSA5075-5	Item 73
6	Hi-Lok Fastener	DAN5-5-2	Item 74

or

6	Hi-Lok Fastener	DAN5-5-3	Item 75
---	-----------------	----------	---------

c Install :

Refer to figure 9

1	Hose	D2121069823400	Item 40
1	Hose	D2121069823900	Item 60
1	Hose	D2121069824000	Item 61

with:

1	Clamp	ASNA0033-011	Item 62
2	Clamp	ASNA0033-019	Item 46
3	Clamp	NSA5515-10	Item 52
3	Clamp	NSA5515-6	Item 64
4	Clamp	NSA5515-7	Item 63
2	Clamp	NSA5516-33ND	Item 70
1	Spacer	NSA5527-03-15	Item 69
1	Spacer	NSA5527-03-14	Item 65
2	Screw	NAS1096-3-10	Item 50
8	Washer	ASNA2397C10L	Item 49
1	Screw	NAS1096-3-8	Item 71
2	Screw	NAS1096-3-25	Item 66
2	Screw	NAS1096-3-9	Item 67
1	Screw	NAS1096-3-14	Item 68

(6) Config. 08

(a) Kit 211113A04R00 and Kit 211113A05R01

1 Remove the drain tube in the avionics compartment

Refer to figure 7

a Remove :

3	Clamp	Item (24)	Retain
1	Clamp	Item (20)	Discard
1	Hose	Item (26)	Discard

b Remove :

Refer to figure 7 , view E



3	Clamp	Item (24)	Retain
1	Clamp	Item (59)	Discard
1	Hose	Item (55)	Discard
1	Hose	Item (56)	Discard
1	Hose	Item (72)	Discard

c Install :

Refer to figure 7 , view D

1	Cap	F5311302000000	Item 44
---	-----	----------------	---------

With :

1	Clamp	Item (24)
---	-------	-----------

NOTE : Item (24) was retained at removal.

d Install :

Refer to figure 7 , views D and E

1	Cap	F5311302000000	Item 44
---	-----	----------------	---------

With :

1	Clamp	Item (24)
---	-------	-----------

NOTE : Item (24) was retained at removal.

2 Install the drain tube in the avionics compartment

Refer to figures 6 and 9

a Install :

Refer to figure 6 , views C, E and F

1	Bracket	D5391827700000	Item 45
1	Bracket	D5391827200000	Item 42
1	Bracket	D5391543000100	Item 54

with :

4	Rivet	ASNA2050DCJ3215	Item 47
3	Rivet	ASNA2050DEJ4020	Item 48

b Install :

Refer to figure 6 , views D, F and G

2	Bracket	D5391543000000	Item 41
1	Bracket	D5391827400000	Item 43



with :

6 Rivet ASNA2050DCJ3215 Item 47

or with :

6 Collar NSA5075-5 Item 73

6 Hi-Lok Fastener DAN5-5-2 Item 74

or

6 Hi-Lok Fastener DAN5-5-3 Item 75

c Install :

Refer to figure 9

1 Hose D2121069823400 Item 40

1 Hose D2121069823900 Item 60

1 Hose D2121069824000 Item 61

with:

1 Clamp ASNA0033-011 Item 62

2 Clamp ASNA0033-019 Item 46

3 Clamp NSA5515-10 Item 52

3 Clamp NSA5515-6 Item 64

4 Clamp NSA5515-7 Item 63

2 Clamp NSA5516-33ND Item 70

1 Spacer NSA5527-03-15 Item 69

1 Spacer NSA5527-03-14 Item 65

2 Screw NAS1096-3-10 Item 50

8 Washer ASNA2397C10L Item 49

1 Screw NAS1096-3-8 Item 71

2 Screw NAS1096-3-25 Item 66

2 Screw NAS1096-3-9 Item 67

1 Screw NAS1096-3-14 Item 68

C. TEST

(1) Job Set-Up

(a) Energize the aircraft electrical circuits, (Refer to AMM 24-41-00 Page block 201).

(b) Remove the safety clip and tag and close this circuit breaker:

PANEL	DESIGNATION	FIN	LOCATION
49VU	AIR COND/AVNCS VENT/CTL	6HQ	06 D

(2) Test

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- (a) Do an operational test of the avionics equipment ventilation from Multipurpose Control and Display Unit (MCDU), (Refer to AMM 21-26-00 Page block 501).

D. CLOSE UP

- (1) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (2) Install the floor panels 127BF and 128CF, (Refer to AMM 53-12-13 Page block 401).
- (3) Restore the systems and the aircraft to normal operating condition.
- (4) De-energize the aircraft electrical circuits, (Refer to AMM 24-41-00 Page block 201).
- (5) Disconnect the aircraft electrical ground-connection, (Refer to AMM 12-34-24 Page block 201).
- (6) Close the avionics doors 811, 822 and 824, (Refer to AMM 52-40-00 Page block 1).
- (7) Close the FWD cargo-compartment door 825, (Refer to AMM 52-31-00 Page block 1).
- (8) Close the passenger/crew door 831, (Refer to AMM 52-11-00 Page block 1).
- (9) Remove the access platform(s).

E. DOCUMENTATION

Write in the applicable aircraft records that you have done all the work given in this Service Bulletin.



F. REMOVED COMPONENTS AND SPARES

(1) Components which can be modified on the bench

(a) Config. 07

Refer to figure 3

1 1 Duct assy Item (27)

2 1 Shutter Item (28)

(2) Modification

(a) Modify the duct assy Item (27)

Refer to figure 3

– Drill 1 hole to a diameter of 10 mm (0.4 in.).

(b) Install :

1 Union D2121163700000 Item 14

With 1 doubler made up of 3 plies of Glass Cloth 7628 Item 31, coated with General Purpose Adhesive Honeycomb Filler (Mat No. 08-001) Item 29.

(c) Modify the shutter Item (28)

Refer to figure 3

– Drill 1 hole to a diameter of 10 mm (0.4 in.).

(d) Install :

1 Union D2121163400000 Item 15

With 1 doubler made up of 3 plies of Glass Cloth 1581-HT9-44 Item 32, coated with Cement phenolic URAVAR 78900 Item 30.

(3) Identification of the modified components

(a) Re-identify the duct assy Item (27)

1 Duct Assy D2121099800000 Item (27)

becomes :

1 Duct Assy D2121163800000 Item 27

(b) Re-identify the shutter Item (28)

1 Shutter D2121104800000 Item (28)

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becomes :

1 Shutter D212116350000 Item 28

(4) Documentation

Write in the applicable aircraft records that you have done all the work given in this Service Bulletin.

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SERVICE BULLETIN

Figure 1 Sheet 1 (Goto A3 section)
Modification of the Duct Assy, Config. 01, 02, 04 and 05

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SERVICE BULLETIN

Figure 2 Sheet 1 (Goto A3 section)
Removal of the Drain Tube, Config. 01, 02, 03 and 06

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SERVICE BULLETIN

Figure 3 Sheet 1 (Goto A3 section)
Modification to the Blowing System, Config. 07

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SERVICE BULLETIN

Figure 3 Sheet 2 (Goto A3 section)
Modification to the Blowing System, Config. 07

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SERVICE BULLETIN

Figure 4 Sheet 1 (Goto A3 section)
Installation of the Drain Tube, Config. 01, 02, 03, 04, 05 and 06

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SERVICE BULLETIN

Figure 4 Sheet 2 (Goto A3 section)
Installation of the Drain Tube, Config. 01, 02, 03, 04, 05 and 06

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SERVICE BULLETIN

Figure 5 Sheet 1 (Goto A3 section)
Installation of the Drain Tube, Config. 01, 02, 03, 04, 05 and 06

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SERVICE BULLETIN

Figure 5 Sheet 2 (Goto A3 section)
Installation of the Drain Tube, Config. 01, 02, 03, 04, 05 and 06

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SERVICE BULLETIN

Figure 6 Sheet 1 (Goto A3 section)
Installation of the Drain Tube Brackets, Config. 07

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SERVICE BULLETIN

Figure 6 Sheet 2 (Goto A3 section)
Installation of the Drain Tube Brackets, Config. 07

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Figure 7 Sheet 1 (Goto A3 section)
Removal of the Existing Drain Tube, Config. 08

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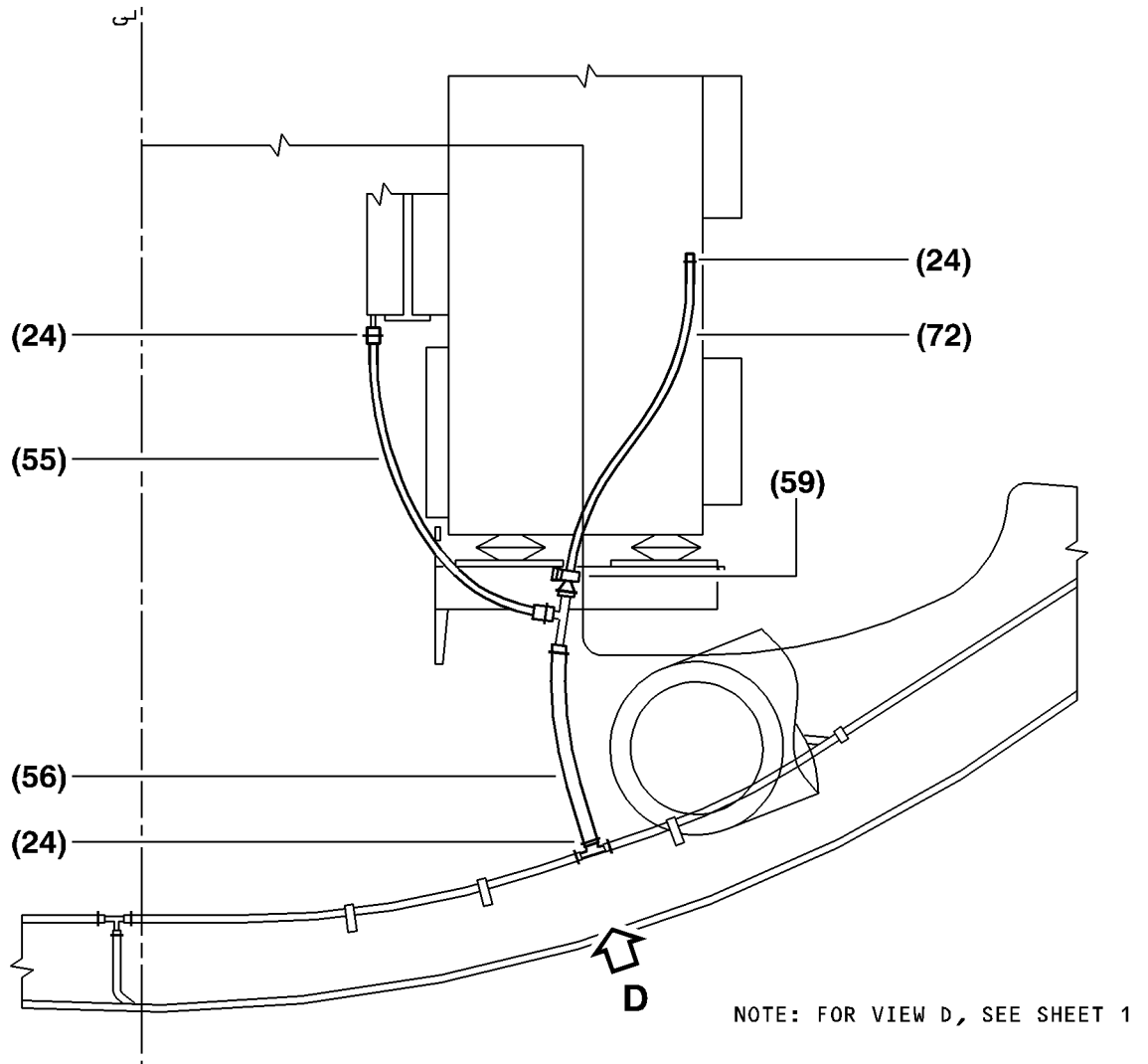
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BEFORE



VIEW E: SEE SHEET 1



NSB5 211113 AN 00 d

Figure 7 Sheet 2
Removal of the Existing Drain Tube, Config. 08

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SERVICE BULLETIN

Figure 8 Sheet 1 (Goto A3 section)
Removal of the Existing Drain Tube, Config. 07

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SERVICE BULLETIN

Figure 9 Sheet 1 (Goto A3 section)
Installation of the Drain Tube, Config. 07 and 08

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SERVICE BULLETIN

Figure 9 Sheet 2 (Goto A3 section)
Installation of the Drain Tube, Config. 07 and 08

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MODIFICATION No. : 27296P5350

Please complete the appropriate item (A or B):

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If YES, aircraft concerned (as per SB effectivity by default) and planned dates
(month/year) of embodiment:
.
.

B - SB HAS BEEN embodied on aircraft:
.
.

Operator comments:
.
.

From Airline:
Name/Title:
Signature: Date:

If operational documentation is affected (see Paragraph 1.K of this SB): If
information is needed prior to next normal revision or prior to SB embodiment,
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- updating of maintenance documentation to show pre and post SB data.
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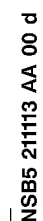
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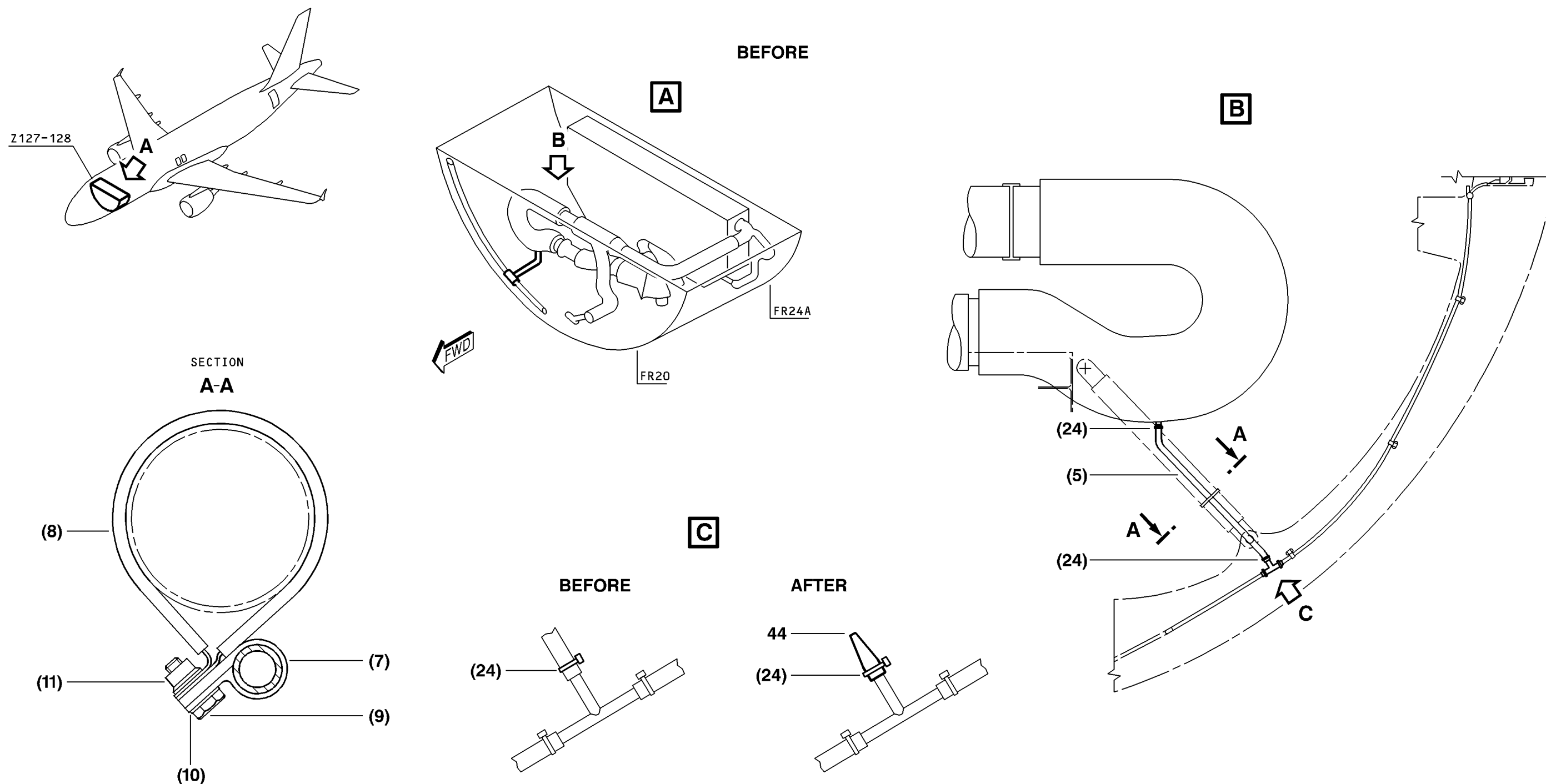
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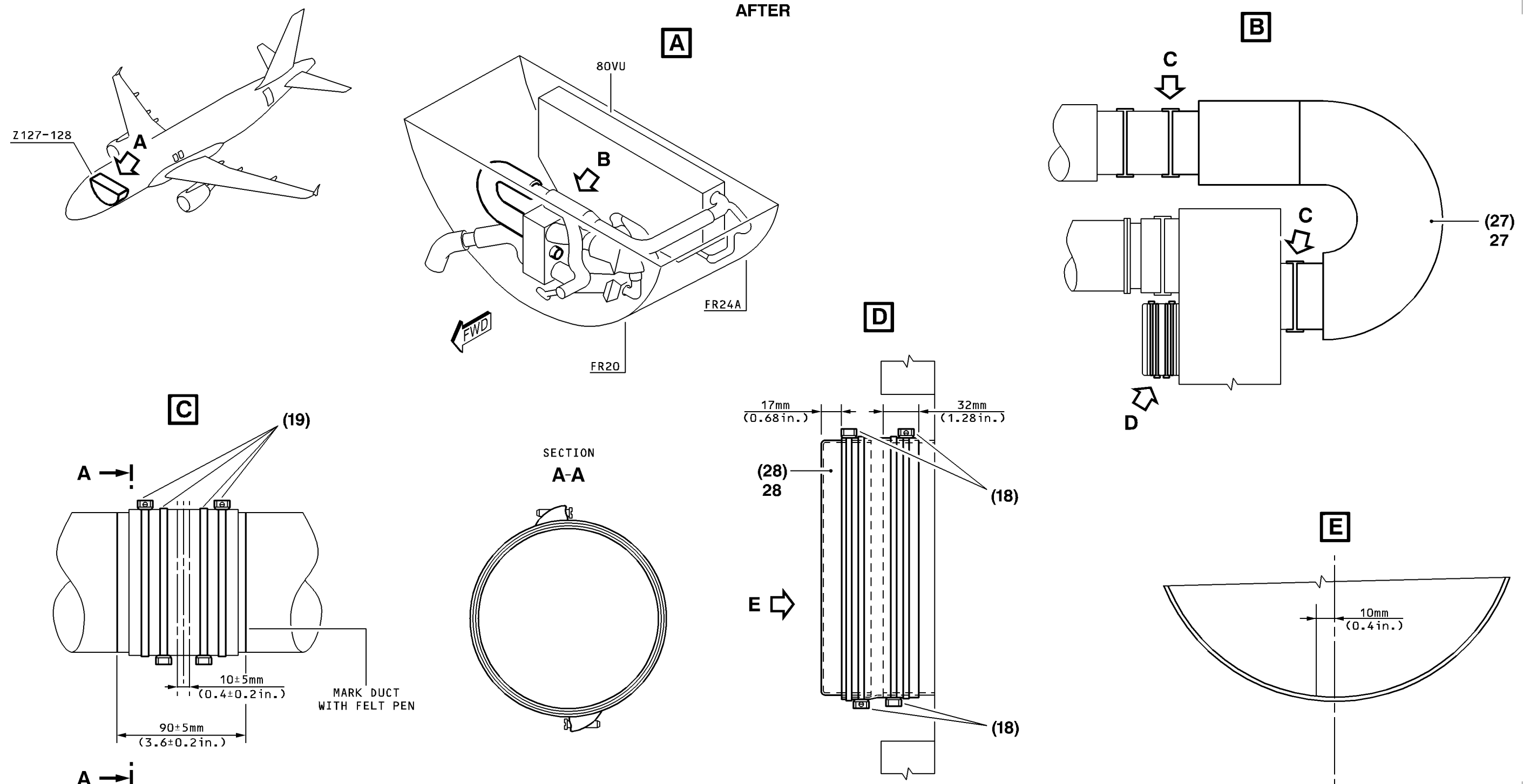
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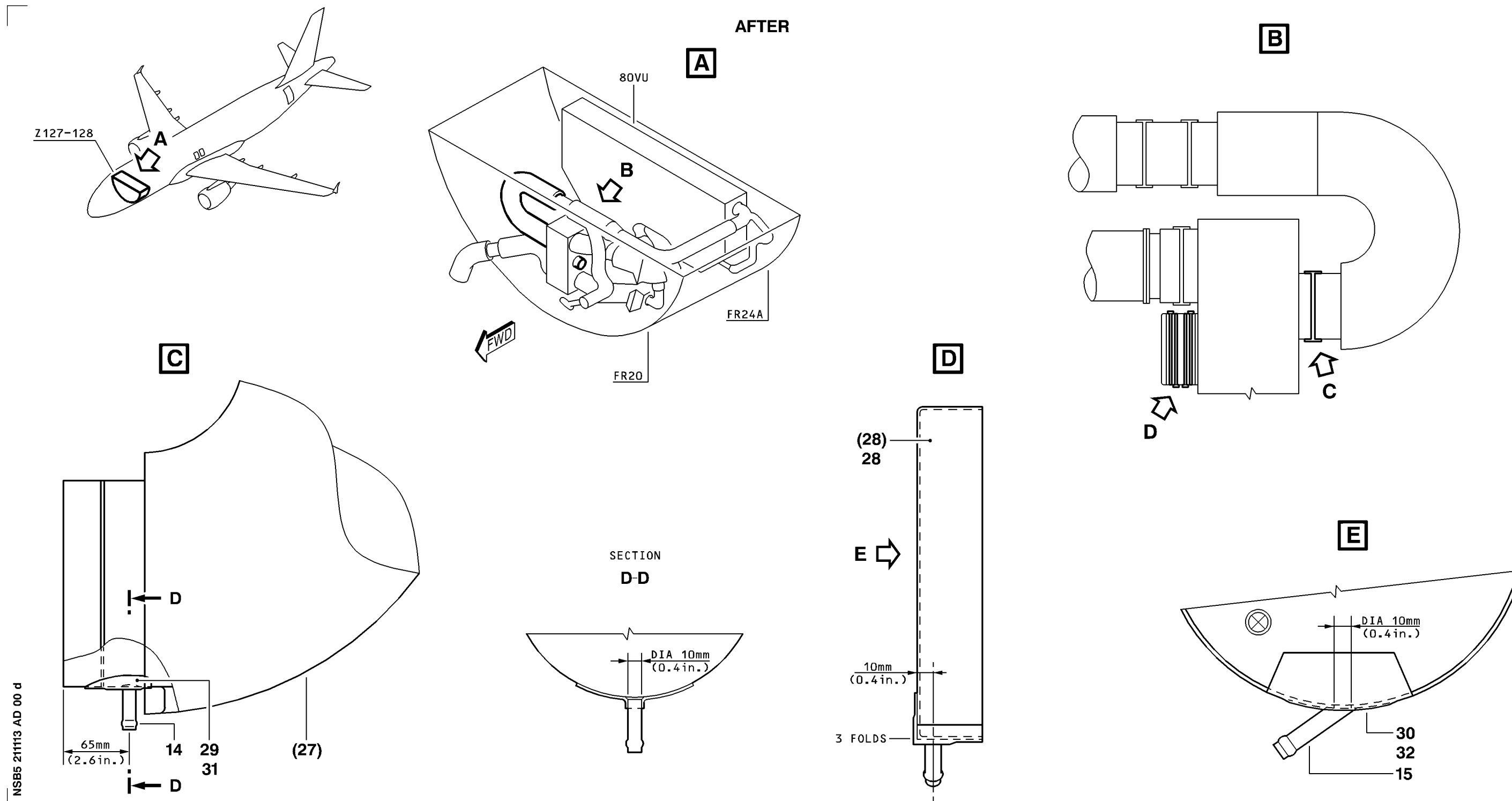
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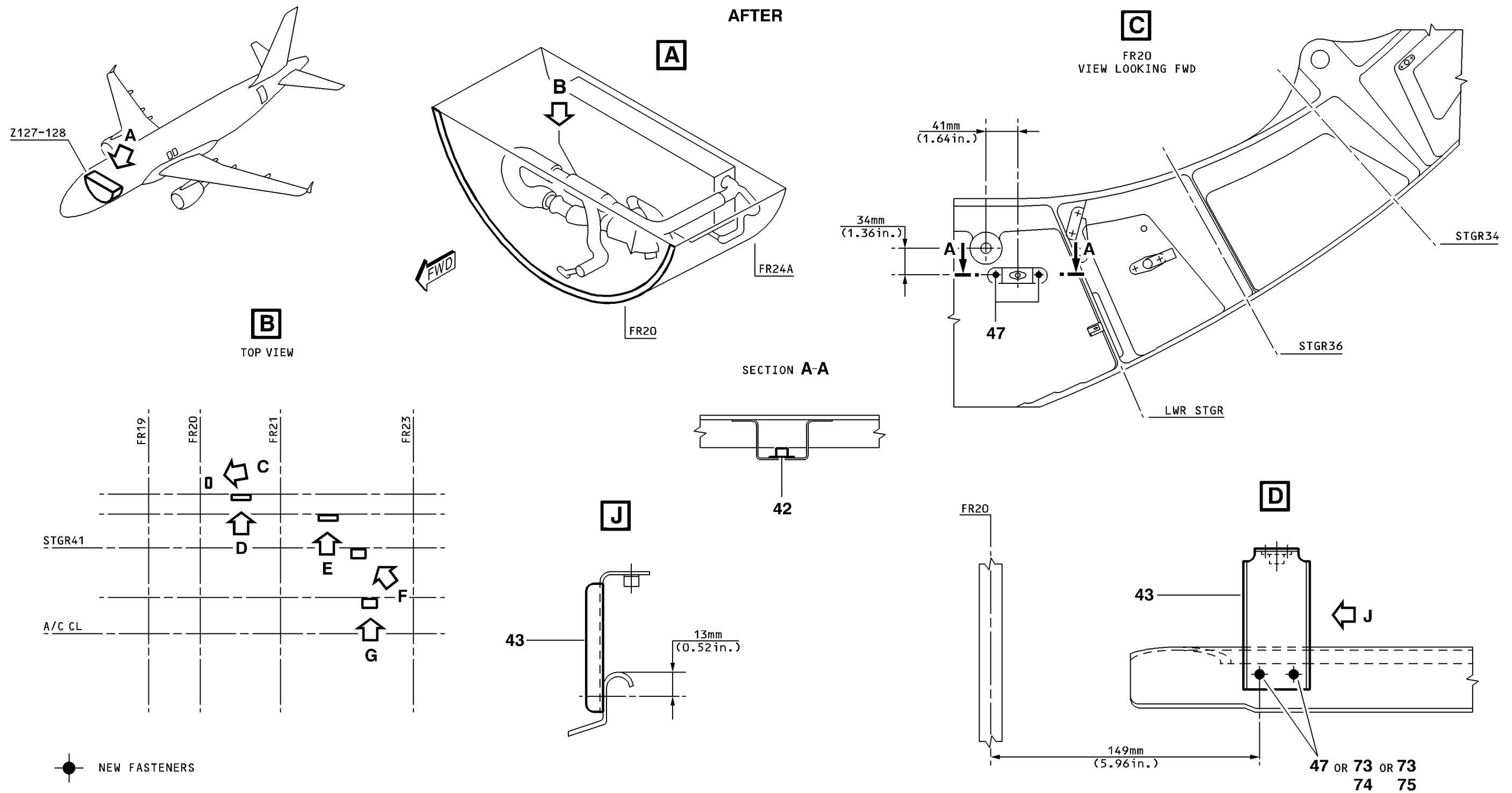


Figure 4 Sheet 1
Installation of the Drain Tube, Config. 01, 02, 03, 04, 05 and 06

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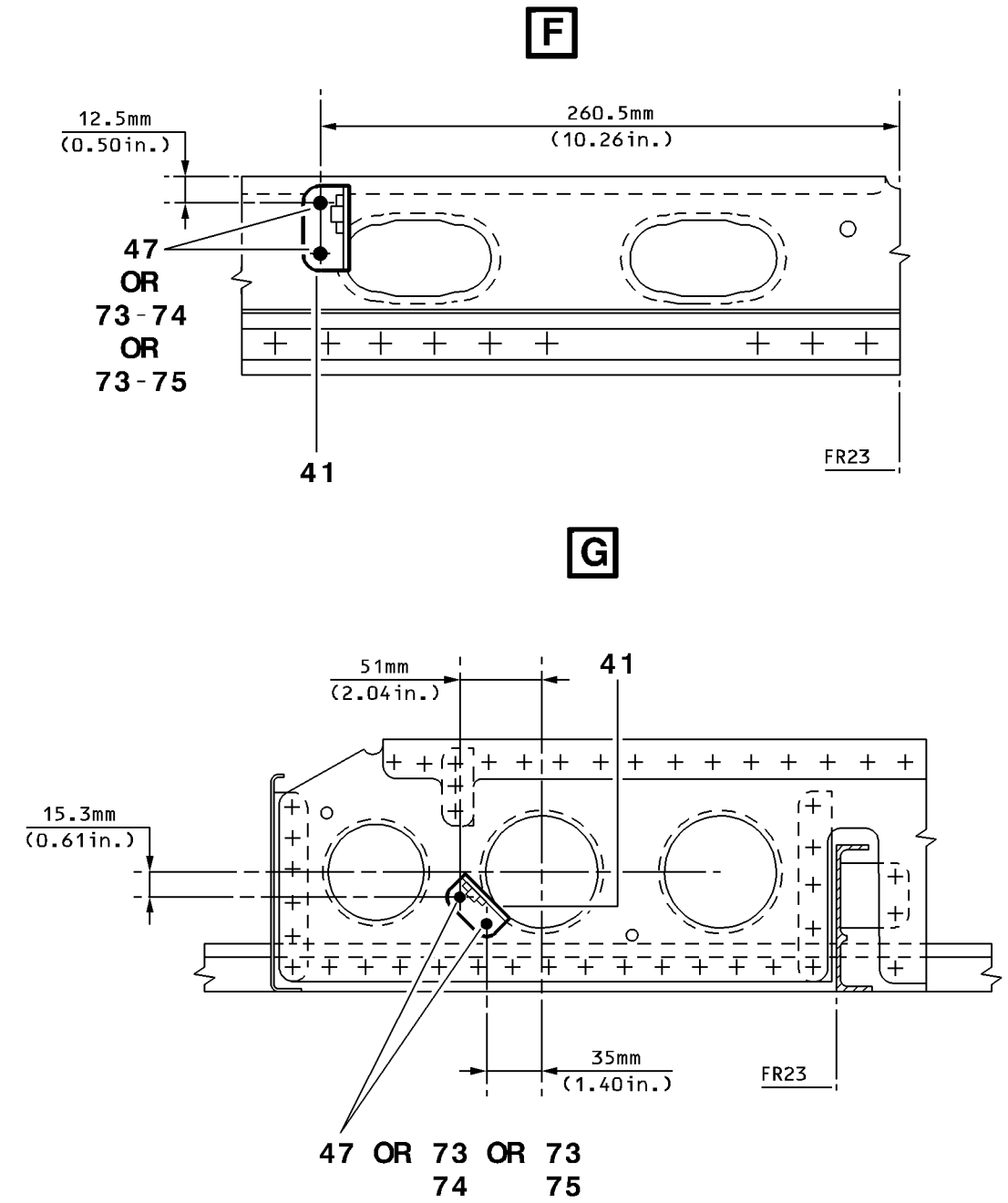
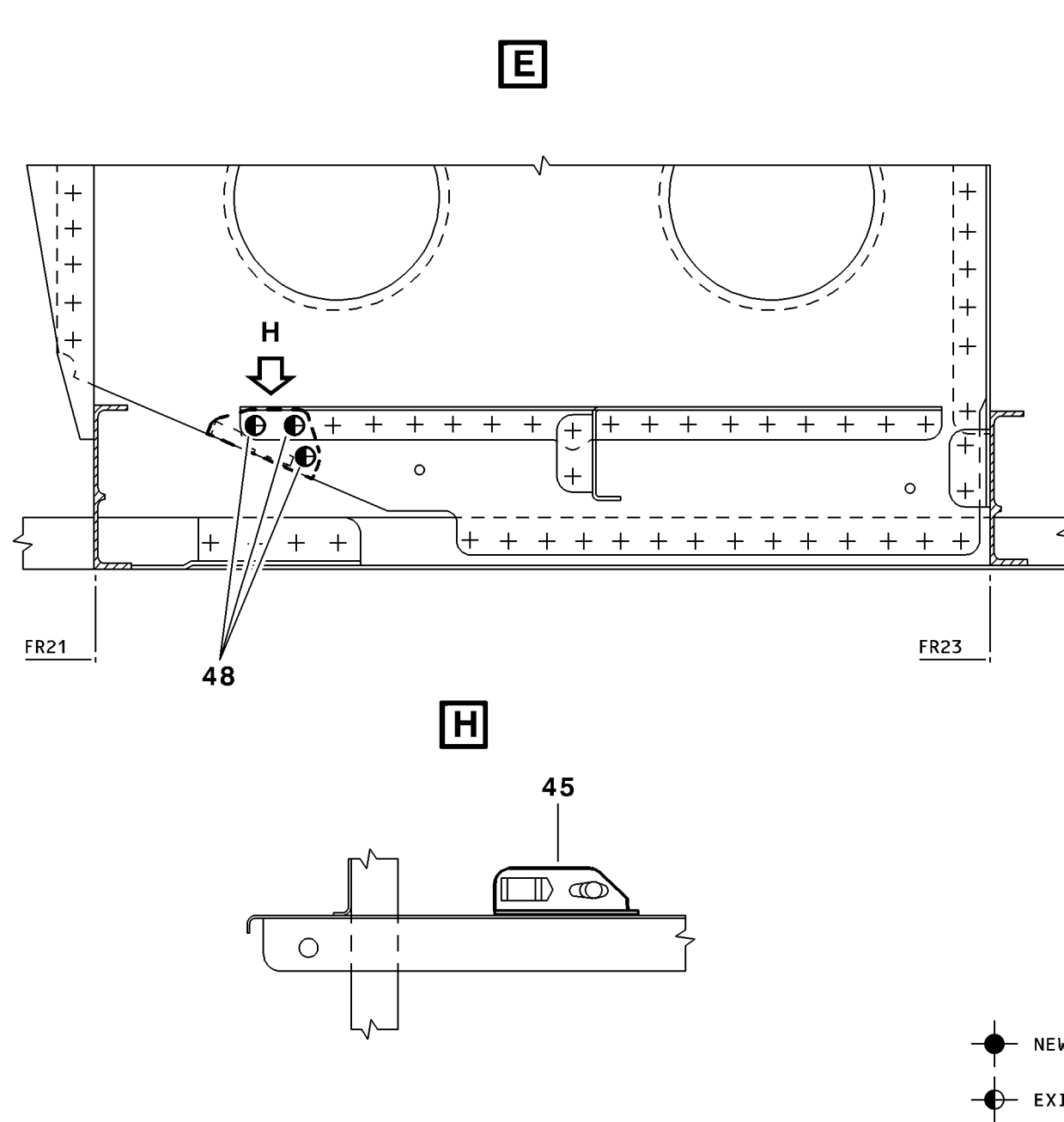


Figure 4 Sheet 2
Installation of the Drain Tube, Config. 01, 02, 03, 04, 05 and 06

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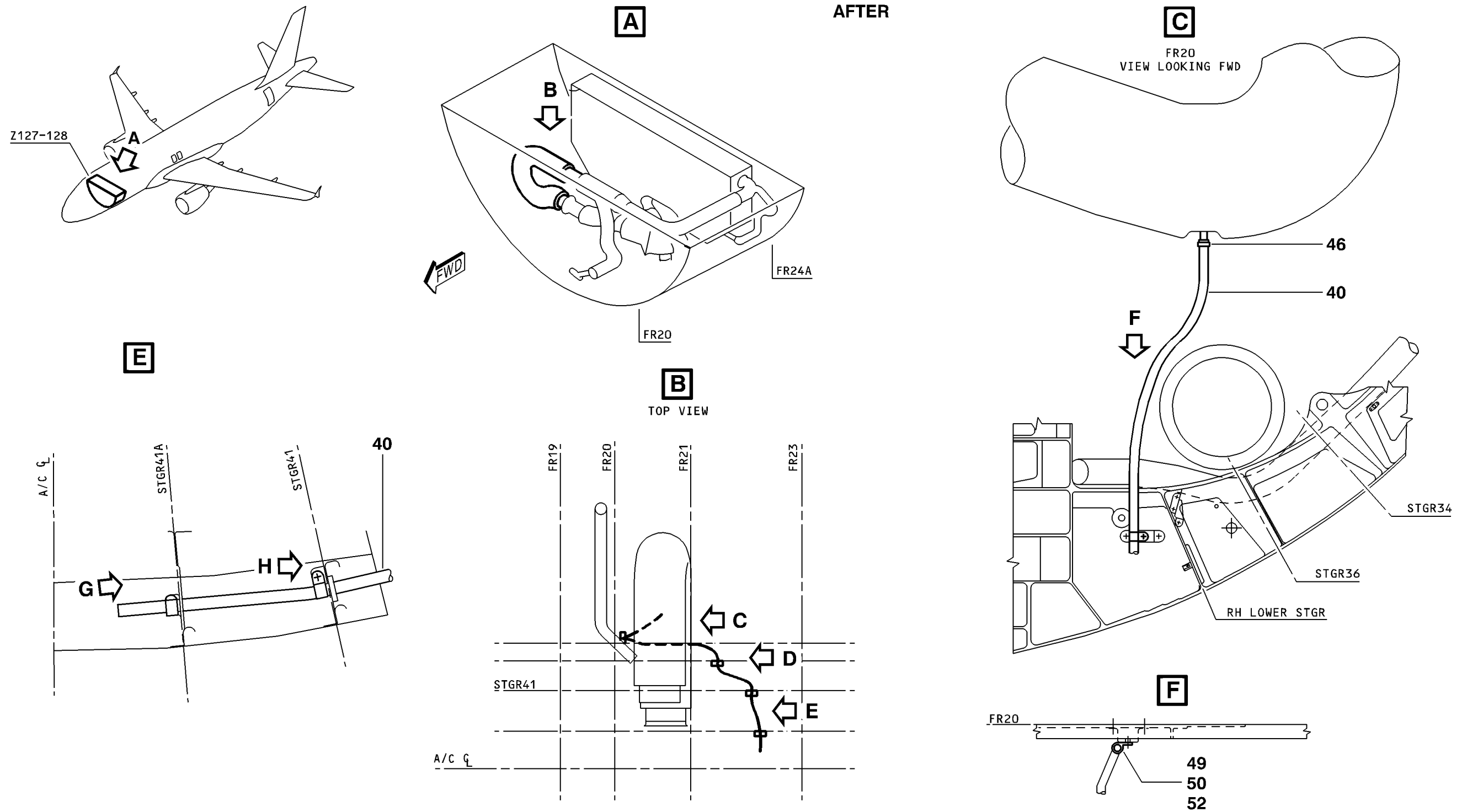


Figure 5 Sheet 1
Installation of the Drain Tube, Config. 01, 02, 03, 04, 05 and 06

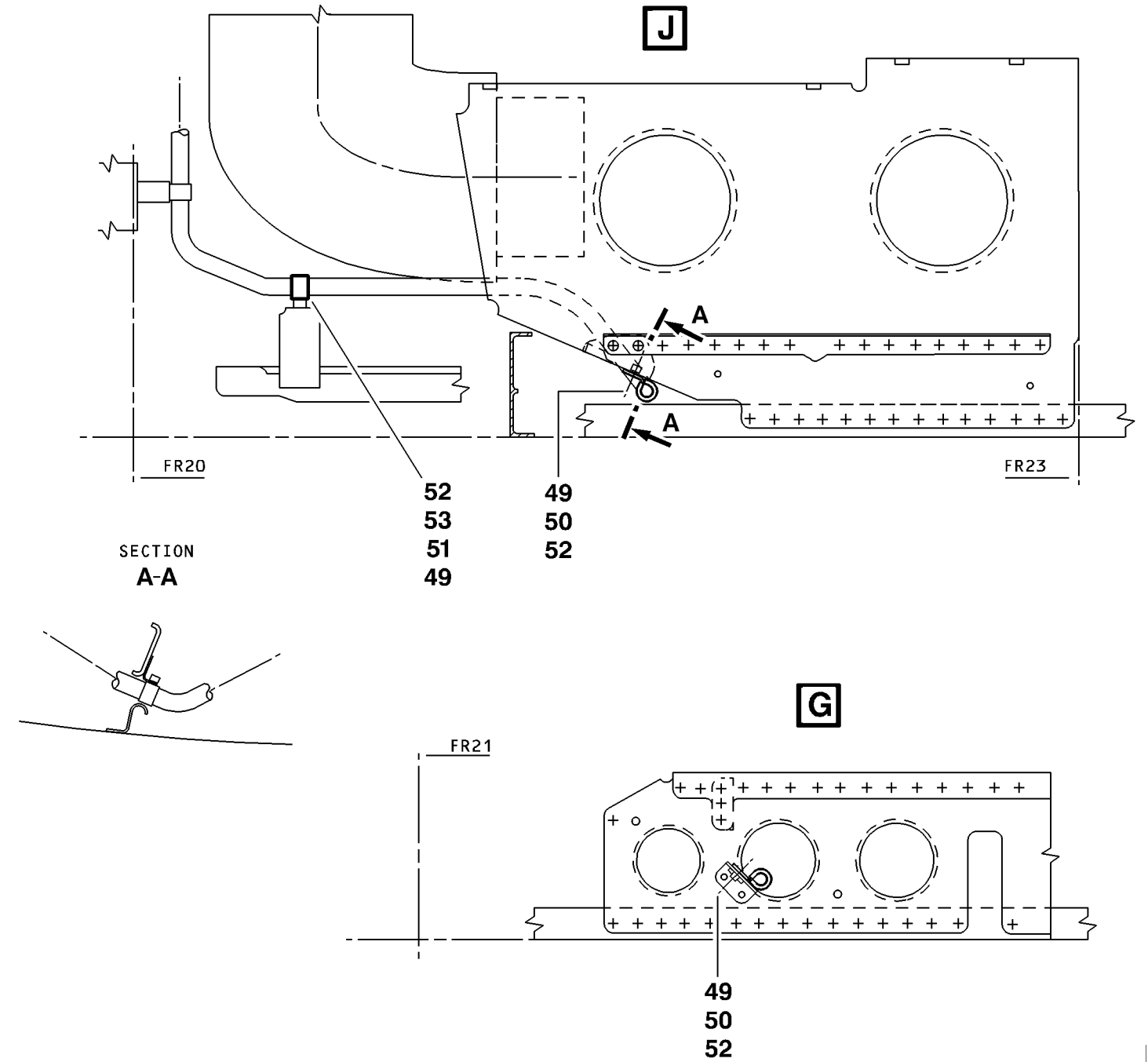
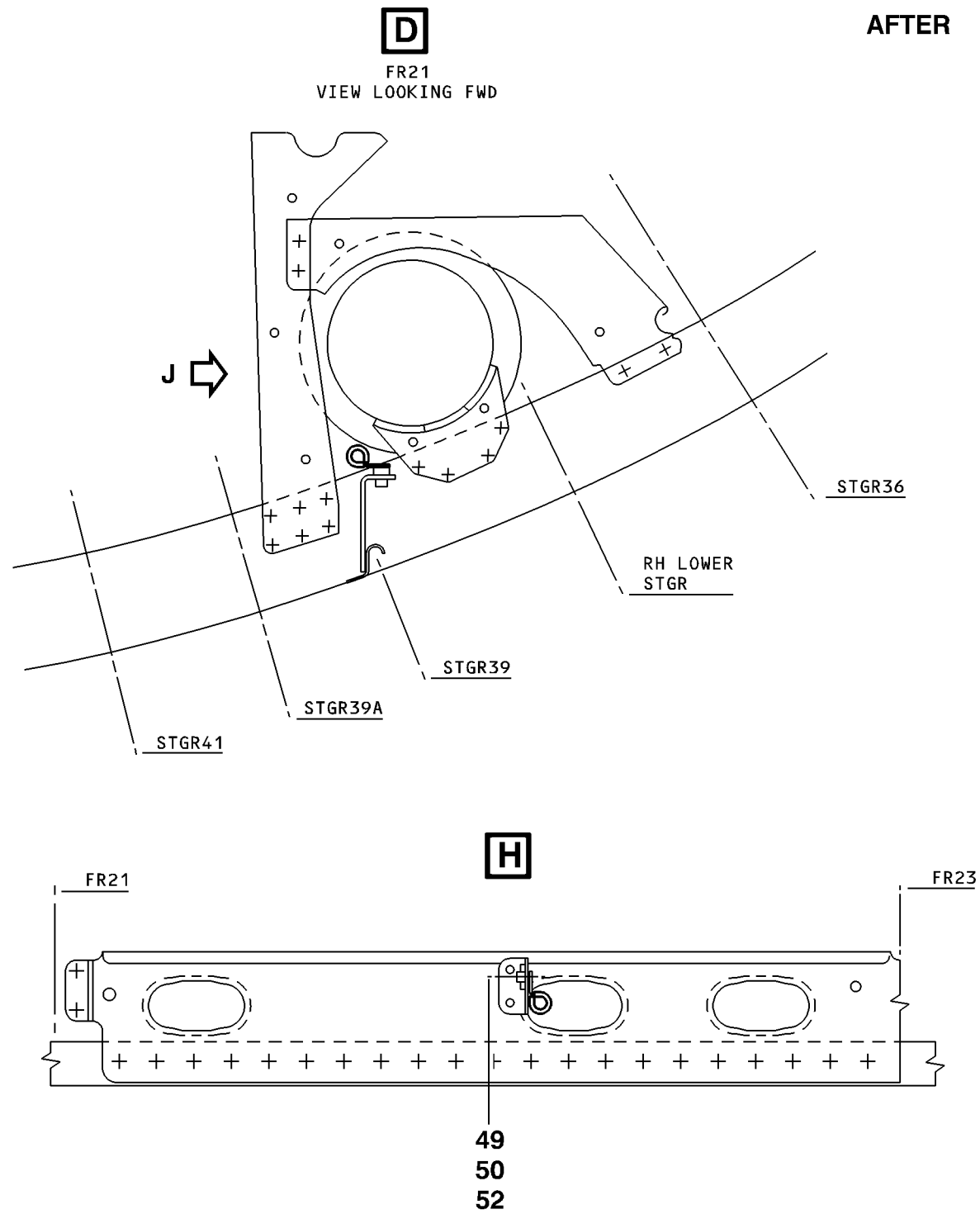
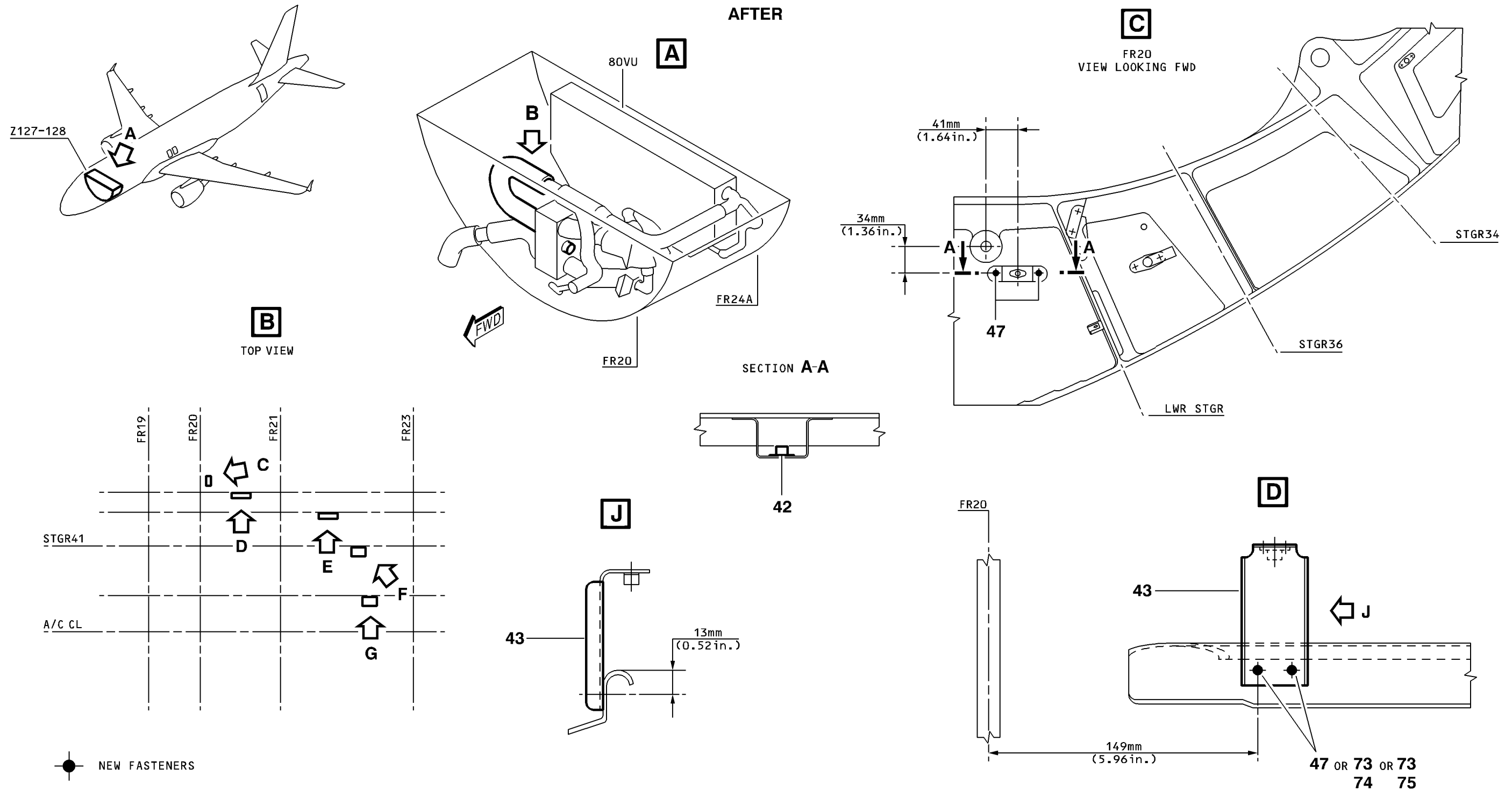


Figure 5 Sheet 2
Installation of the Drain Tube, Config. 01, 02, 03, 04, 05 and 06



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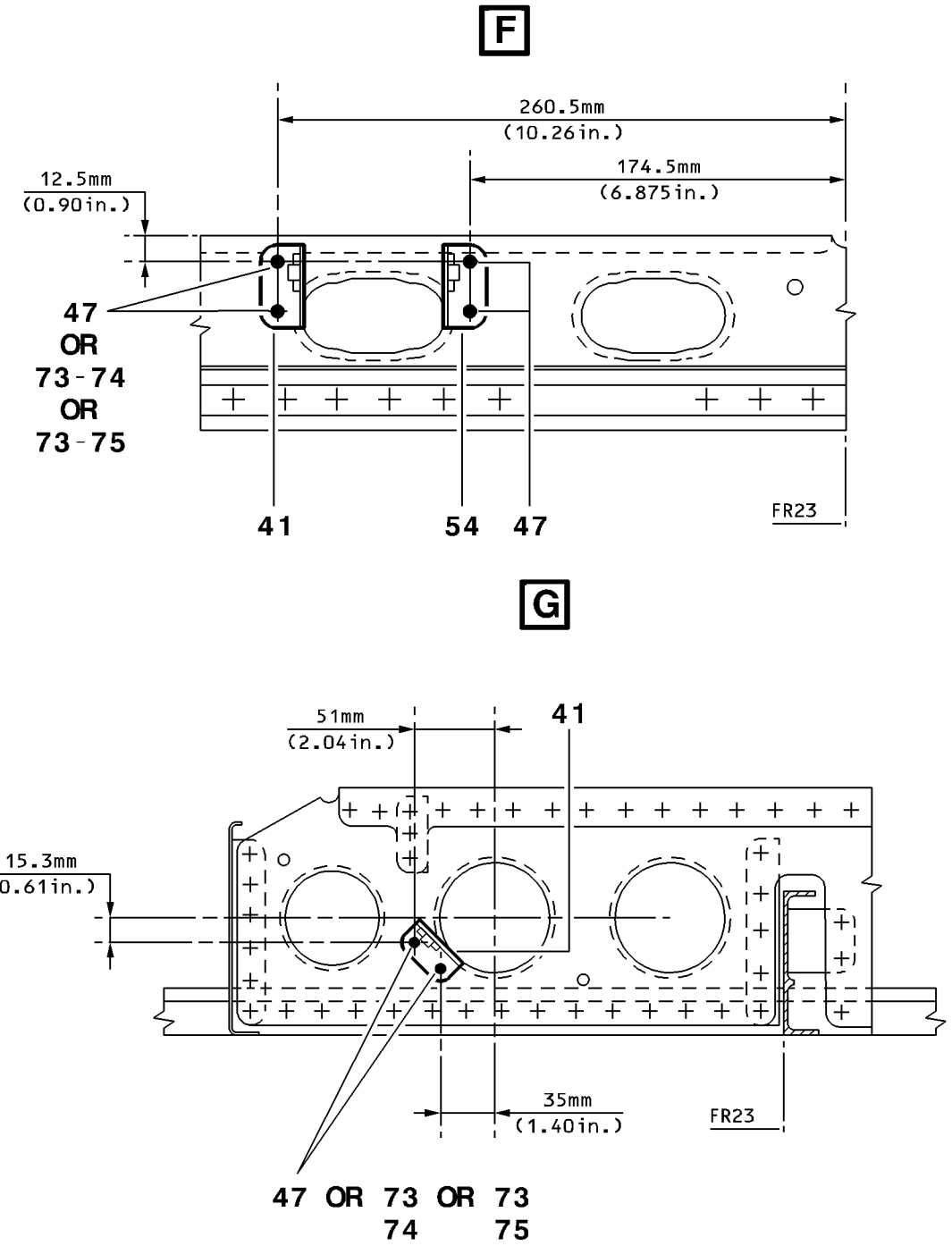
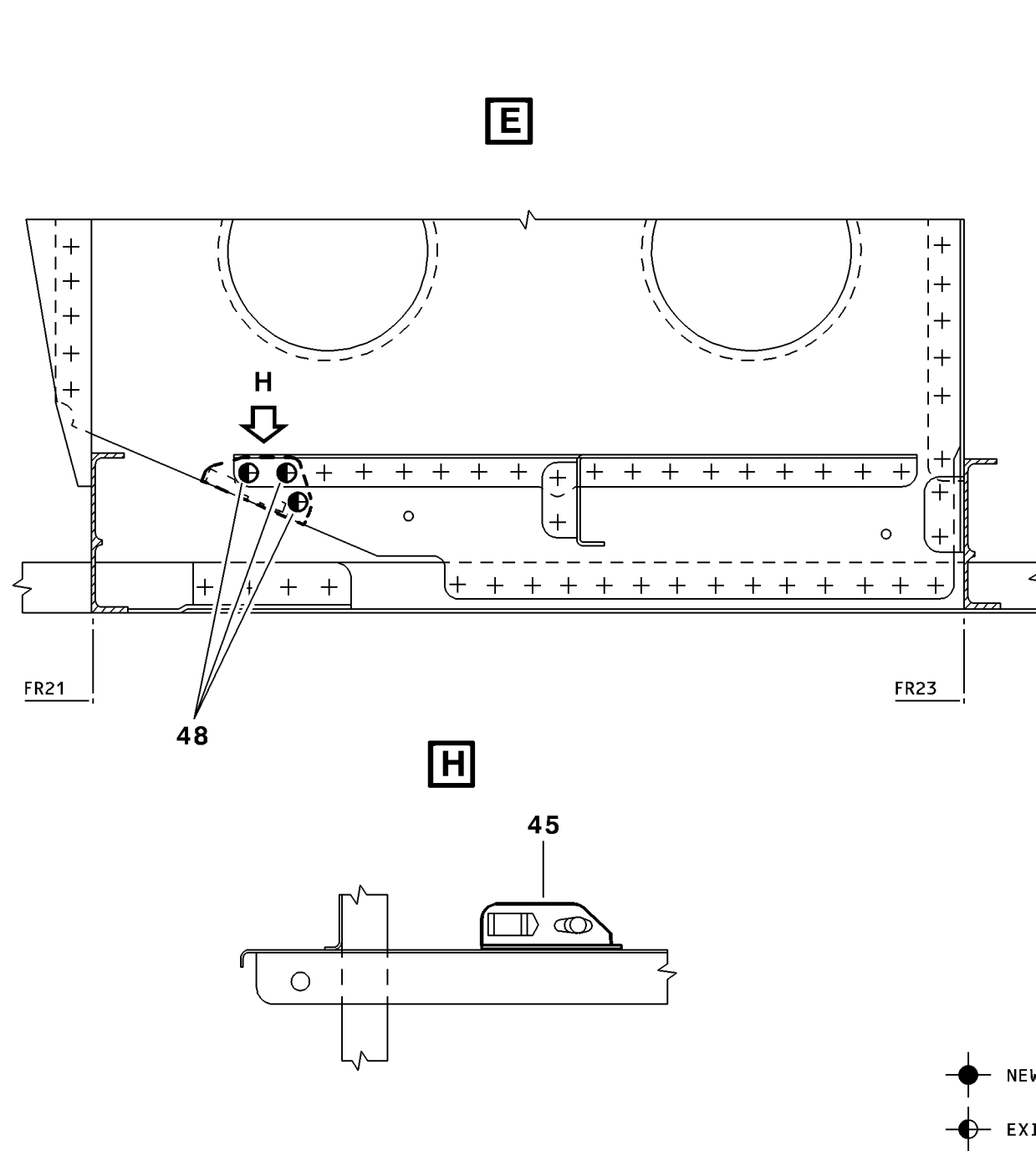


Figure 6 Sheet 2
Installation of the Drain Tube Brackets, Config. 07

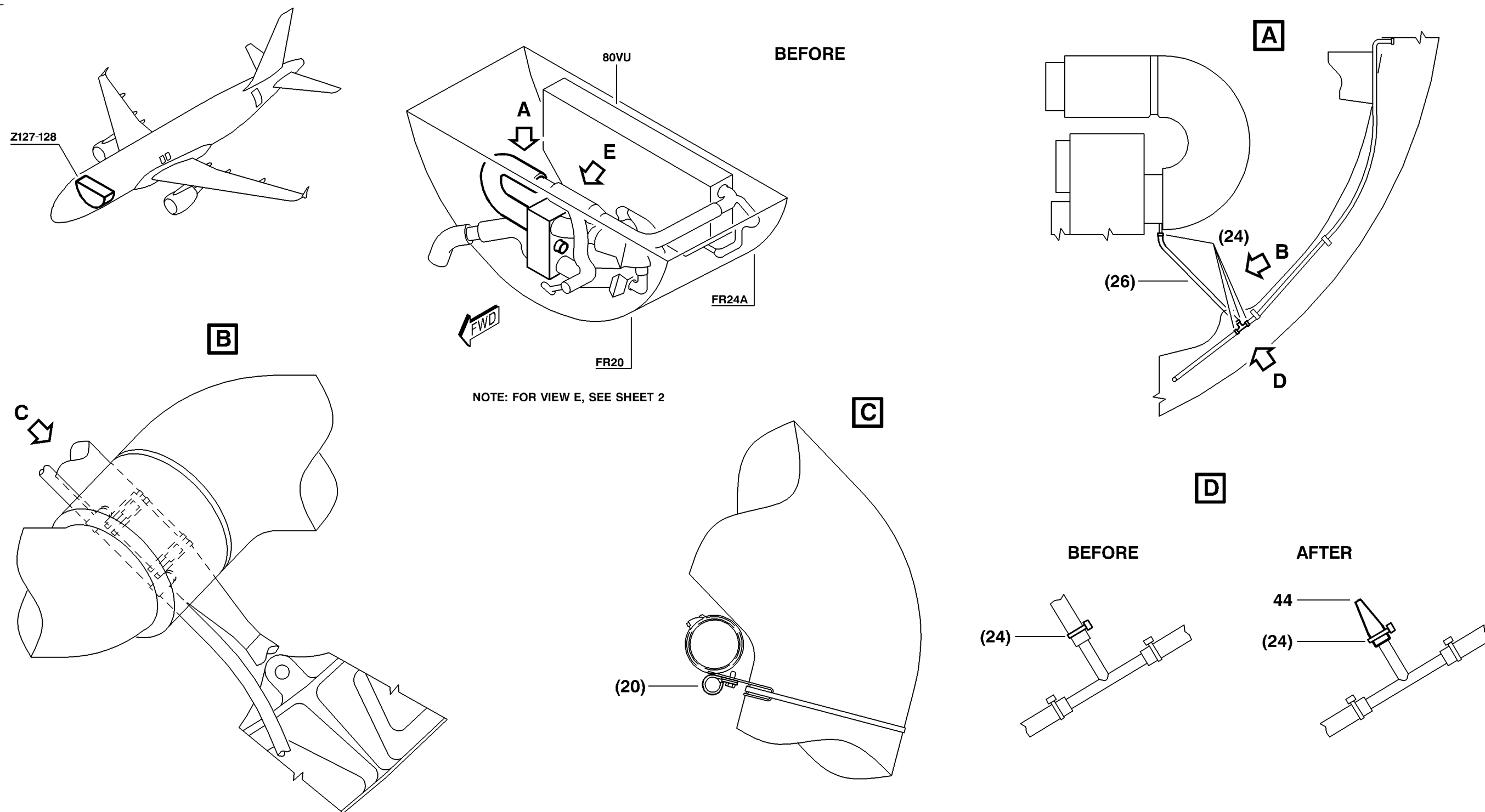
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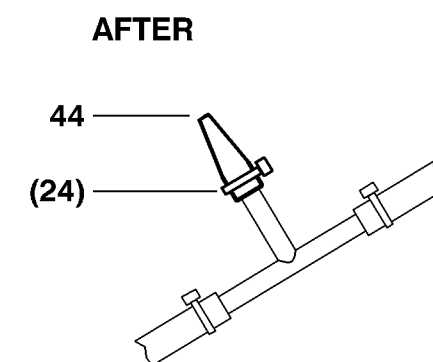
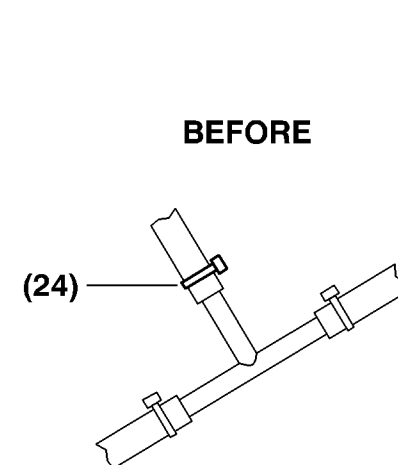
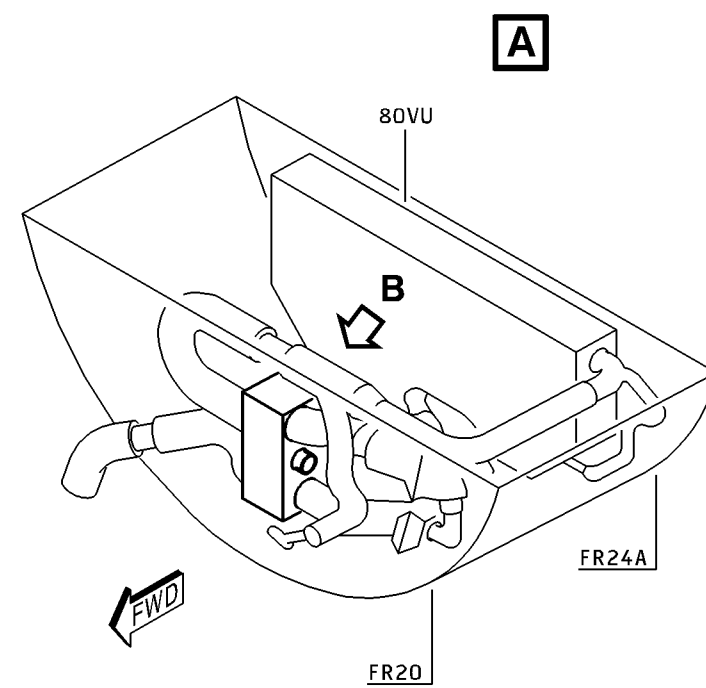
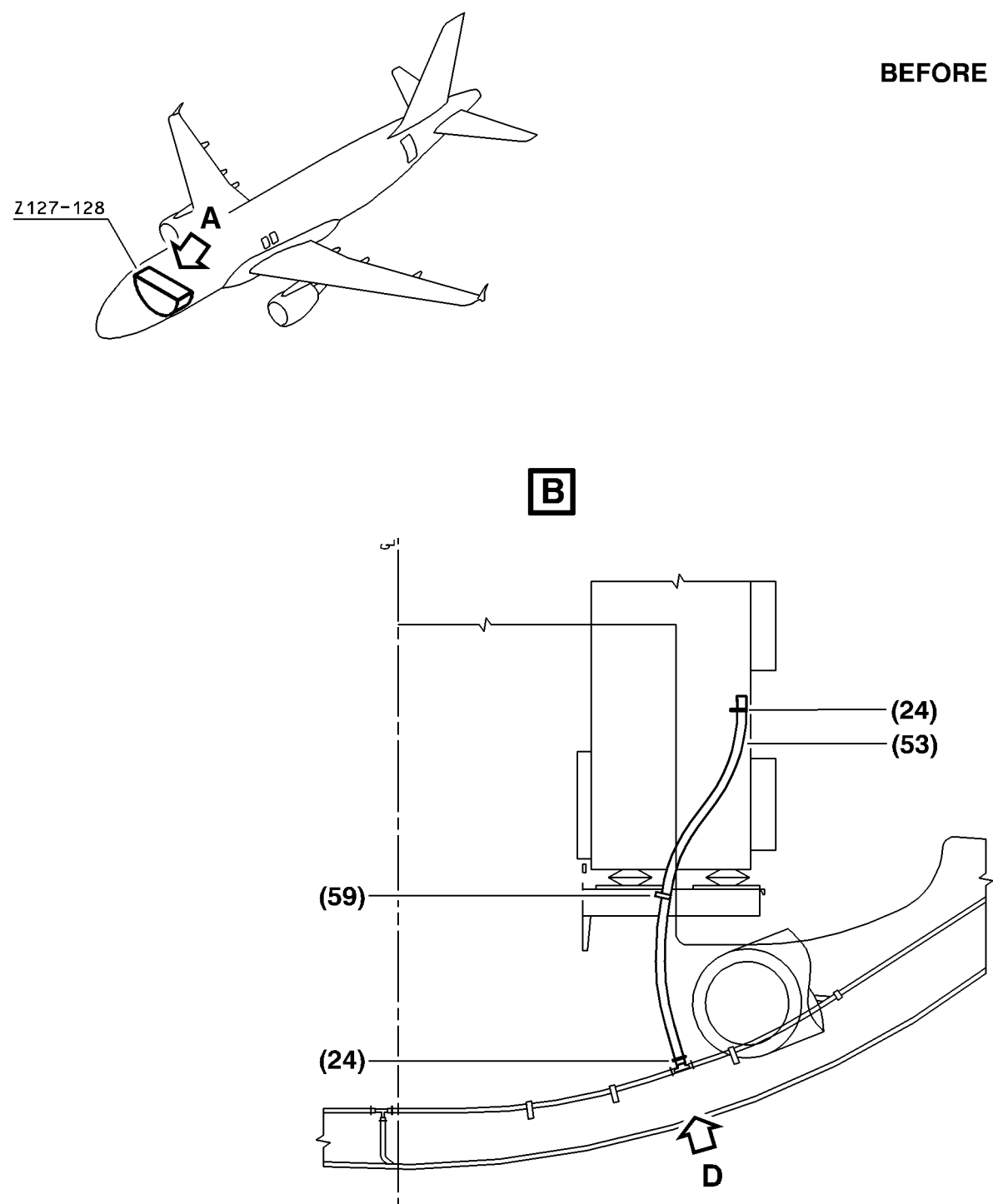


Figure 8 Sheet 1
Removal of the Existing Drain Tube, Config. 07

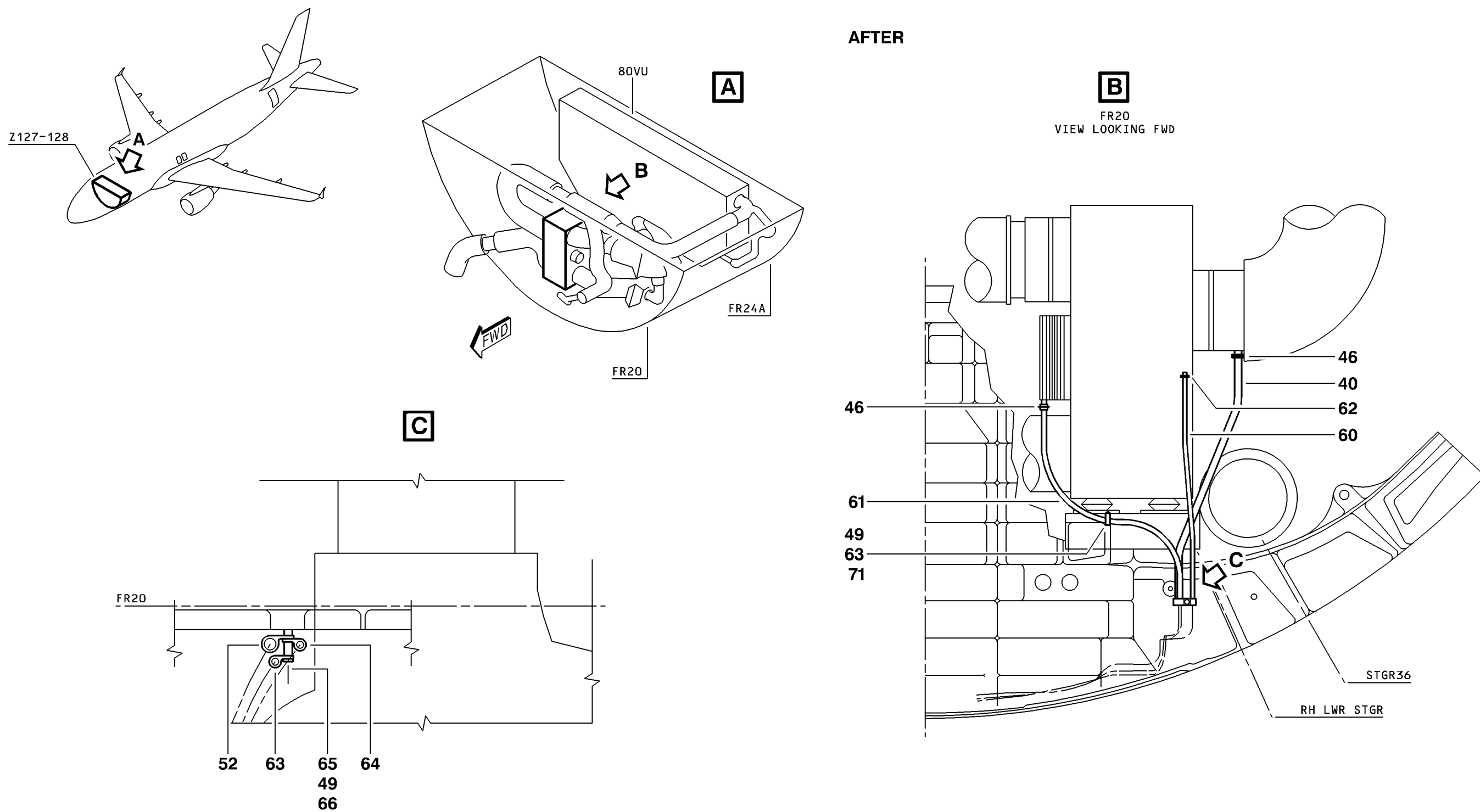


Figure 9 Sheet 1
Installation of the Drain Tube, Config. 07 and 08

