

Df]bhYX`Vmi@D5 ži gYf`l \$\$\$- \$* `cb`\$("%/%&\$&&"Cb`mij U]X`i bh`bYl hfYj]g]cb
G6`.5' &\$!&*!%&/&(`.F#\$\$\$'.&\$&&\$-\$ \$

AIRBUS

A318/A319/A320/A321

SERVICE BULLETIN

CONF ALL

AIRBUS

2, ROND POINT EMILE DEWOITINE

31700 BLAGNAC

FRANCE

The content of this document is the property of Airbus. All rights including copyrights are reserved.

It is supplied in confidence and commercial security on its contents must be maintained.

It must not be used for any purpose other than that for which it is supplied, nor may information contained in it be disclosed to unauthorized persons.

It must not be reproduced in whole or in part without permission in writing from the owners of the copyright. Requests for reproduction of any data in this document and the media authorized for it must be addressed to Airbus.

ATA SYSTEM: 26

TITLE: FIRE PROTECTION - DETECTION - ADD LACING TAPE ON DETECTION RAMP

MODIFICATION No.:

171160P22170

AIRBUS

A318/A319/A320/A321

SERVICE BULLETIN

SUMMARY

ATA SYSTEM: 26

TITLE: FIRE PROTECTION - DETECTION - ADD LACING TAPE ON DETECTION RAMP

SUMMARY

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

A. MODIFICATIONS

MODIFICATION CLASSIFICATION	
MAJOR	None
MINOR	171160P22170

NOTE: As per EASA IR 21, a minor change is one that has no appreciable effect on the mass, balance, structural strength, reliability, operational characteristics affecting the airworthiness of the product. All other changes are major changes.

B. REASON

(1) History

On A320 NEO (PW engines), operators reported cases of ENG X fire loop X fault messages. The faults were triggered due to a breakage of a pylon fire detection loop.

(2) Objective/Action

In order to address the issue, it has been decided to install lacing tape knots as spacers in the affected zone between loop and supporting ramp.

(3) Advantages

Accomplishment of this Service Bulletin will prevent any unexpected ENG X fire loop X fault messages.

(4) Operational/Maintenance Consequences

None

C. GENERAL EVALUATION

EVALUATION TABLE			
COMPLIANCE	RECOMMENDED	COST SAVING	NO
A/C OPERATION AFFECTED	NO	VENDOR SB	NO
CANCELS INSPECTION SB	NO	ETOPS AFFECTED	NO
PAX COMFORT AFFECTED	NO	POTENTIAL AD	NO
RELIABILITY AFFECTED	NO	STRUCTURAL LIFE EXTENSION	NO
LIFE LIMIT	NO	LINE MAINTENANCE AFFECTED	NO

NOTE: Service Bulletin recommended to be accomplished to prevent significant operational disruptions.

D. MAINTENANCE CONFIGURATION

No specific aircraft maintenance configuration required.

E. MATERIAL PRICE INFORMATION



A318/A319/A320/A321

SERVICE BULLETIN

SUMMARY

(1) Installation of Lacing Tape on Detection Ramp

- (a) Task set A320-A-26-XX-1124-01000-93AA-A Installation of Lacing Tape on Detection Ramp

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C	MAIN PARTS
Components	See SB	See Note	Lacing tape

NOTE: Price information to be obtained from the given supplier.

F. APPLICABILITY

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

82W 87U 87Z 96U ACI AEE AMU ANA ANZ AUA CAL CCA CEB CHB CSC CSN CSZ DAL DKH
DLH FFT GCR GOW HAL HKE HVN HXA I2L IGO JAT JBU KAL KZR LAN MEA NKS PAL QDA SBI
SWR TAM TGW THY TSC TTW VIV VJC VLG VOI WAZ WMT WUK WZZ

G. CONCURRENT REQUIREMENTS

None

H. NATURE OF THE WORK

(1) Installation of Lacing Tape on Detection Ramp

- (a) Task set A320-A-26-XX-1124-01000-93AA-A Installation of Lacing Tape on Detection Ramp

AIRCRAFT	YES
EQUIPMENT	NO

I. MANPOWER

(1) Installation of Lacing Tape on Detection Ramp

- (a) Task set A320-A-26-XX-1124-01000-93AA-A Installation of Lacing Tape on Detection Ramp

MANPOWER	
TOTAL MAN-HOURS	13.10 h
ELAPSED TIME (HOURS)	6.35 h

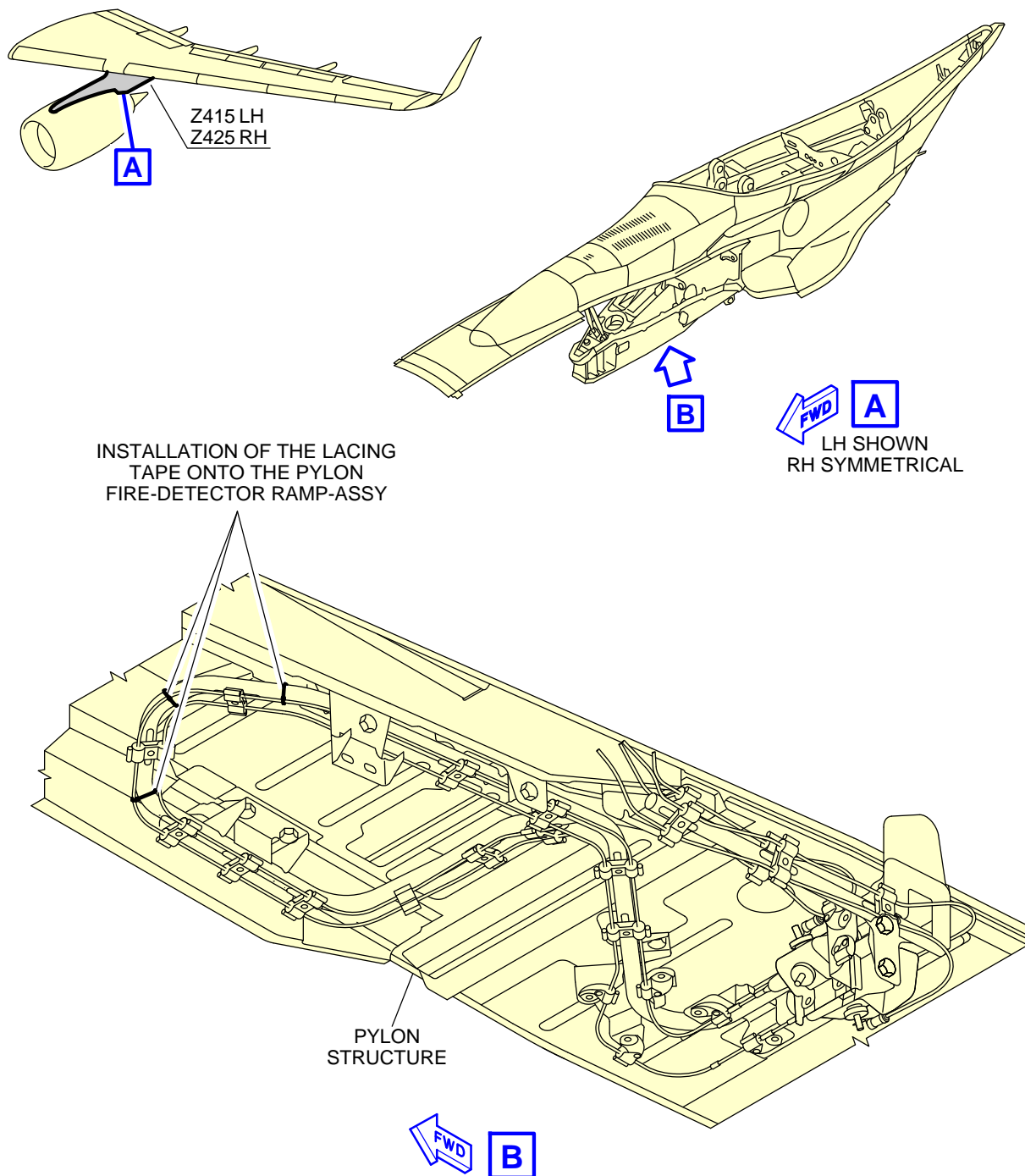
AIRBUS

A318/A319/A320/A321

SERVICE BULLETIN SUMMARY

J. GENERAL OVERVIEW

CONF ALL



ICN-A320-A-26XX1124-A-FAPE3-02FUS-A-001-01

Figure ICN-A320-A-26XX1124-A-FAPE3-02FUS-A-001-01 Fig.SA Sol.AA SHEET 1/1

AIRBUS

A318/A319/A320/A321

SERVICE BULLETIN

ATA SYSTEM: 26

TITLE: FIRE PROTECTION - DETECTION - ADD LACING TAPE ON DETECTION RAMP

1. PLANNING INFORMATION

A. APPLICABILITY

NOTE: This modification is embodied before delivery on:

- A320-N aircraft with Manufacturer Serial Number (MSN) 11067 thru 11076, 11088 thru 11143, 11150 and subsequent
- A321-NX aircraft with MSN 10948, 11007, 11062, 11073, 11085 thru 11105, 11110 and subsequent.

NOTE: This Service Bulletin is only applicable to A320 NEO family aircraft equipped with PW1100G-JM engines.

(1) Models

ON A/C 06286, 06720, 06744, 06772, 06799, 06801, 06819, 06829, 06833, 06849, 06860, 06864, 06868, 06904, 06907, 06914, 06920, 06946, 06952, 06967, 06975, 07001, 07011, 07033, 07047, 07051, 07053, 07060, 07074, 07078, 07083, 07094, 07102, 07103, 07107, 07124, 07126, 07129, 07172, 07192, 07205, 07209, 07252, 07269, 07273, 07329-07331, 07333, 07334, 07343, 07391, 07396, 07401, 07449, 07470, 07477, 07483, 07495, 07504, 07507, 07510, 07512, 07517, 07533, 07540, 07547, 07553, 07554, 07563, 07571, 07577, 07579, 07588, 07594, 07598, 07618, 07626, 07629, 07648, 07671, 07688, 07710, 07721, 07731, 07735, 07737, 07744, 07751, 07753, 07757, 07788, 07795, 07804, 07811-07813, 07842, 07844, 07848, 07849, 07851, 07858, 07859, 07862, 07864, 07871, 07892, 07899, 07912, 07914, 07931, 07961, 08000, 08038, 08077, 08098, 08101, 08121, 08140, 08142, 08146, 08152, 08158, 08166, 08168, 08172, 08175, 08181, 08196, 08206, 08208, 08209, 08218, 08228, 08249, 08253, 08255, 08259, 08273, 08275, 08284, 08310, 08335, 08345, 08351, 08364, 08366, 08367, 08371, 08373, 08382, 08383, 08387, 08392, 08397, 08413, 08414, 08416, 08417, 08426, 08430, 08432, 08440, 08441, 08445, 08451, 08453, 08455, 08456, 08458-08460, 08464, 08465, 08467, 08468, 08472, 08474, 08476, 08478, 08482, 08483, 08490-08492, 08498, 08503, 08507, 08510-08512, 08527, 08528, 08540, 08541, 08546, 08554, 08556, 08558, 08559, 08563, 08565, 08570, 08576, 08583, 08584, 08586, 08588, 08594, 08601, 08607, 08613, 08618, 08621, 08622, 08624, 08627, 08628, 08630, 08633, 08643, 08645, 08648, 08650, 08654, 08656, 08658, 08661, 08665, 08668, 08674, 08683, 08688, 08702, 08708, 08715, 08720, 08723, 08725, 08728, 08736, 08737, 08741, 08743, 08752, 08757, 08771, 08775, 08777, 08782, 08785, 08787, 08789, 08793, 08803, 08818, 08820, 08832, 08833, 08836, 08843, 08844, 08846, 08848, 08850, 08852, 08860, 08864, 08865, 08867, 08870, 08873, 08877, 08885, 08890, 08894, 08896, 08899, 08901, 08905, 08922, 08927-08929, 08932, 08935, 08945, 08948, 08959, 08961, 08967, 08969, 08978, 08981, 08987, 08988, 08990, 09001, 09013, 09015, 09019, 09021, 09029, 09031, 09039, 09045, 09050, 09053, 09061, 09071, 09072, 09075, 09078, 09079, 09084, 09085, 09091, 09093, 09094, 09096, 09097, 09107, 09113, 09118, 09140, 09141, 09144, 09148, 09152, 09155, 09166, 09167, 09175, 09179, 09181, 09184, 09189, 09192-09194, 09200-09202, 09206, 09207, 09212, 09213, 09215, 09216, 09218, 09220, 09229, 09244, 09246, 09251-09253, 09259, 09264, 09272, 09273, 09283, 09287, 09290, 09291, 09309, 09328, 09332, 09339, 09341-09343, 09346, 09351, 09353, 09356, 09358, 09369, 09375, 09379, 09385, 09387, 09388, 09390, 09391, 09395, 09400, 09402, 09405, 09407, 09410, 09412, 09414, 09416, 09420, 09423, 09430, 09435, 09437, 09442, 09447, 09450, 09453, 09459, 09461, 09463, 09467, 09469, 09471, 09474-09476, 09479, 09482, 09483, 09486, 09489, 09493, 09494, 09497, 09500, 09502, 09506, 09508, 09511, 09514, 09523, 09529, 09530, 09542, 09546, 09548, 09555, 09557-09559, 09562, 09563, 09569, 09570, 09573, 09574, 09577, 09578, 09580, 09581, 09583, 09586, 09590-09594, 09596-09598, 10005, 10008, 10011, 10014, 10016, 10021-10024, 10027, 10035, 10043, 10044, 10046, 10047, 10049,

AIRBUS

A318/A319/A320/A321
SERVICE BULLETIN

10052, 10057, 10062, 10063, 10069, 10073, 10076, 10078, 10090, 10092, 10093, 10098,
10103, 10107, 10108, 10112, 10113, 10127, 10129, 10138, 10139, 10148, 10160, 10164,
10165, 10175, 10188, 10192, 10194, 10200, 10202, 10208, 10209, 10212, 10215, 10219,
10241, 10242, 10247, 10248, 10263, 10268, 10278, 10281, 10286, 10292, 10301, 10310,
10316, 10325, 10326, 10328, 10330, 10334, 10348, 10349, 10360, 10368, 10374, 10383,
10399, 10402, 10413, 10414, 10425, 10439, 10449, 10450, 10454, 10463, 10469, 10473,
10477, 10495, 10498, 10504, 10505, 10537, 10538, 10545, 10546, 10549, 10553, 10560,
10561, 10563, 10569, 10571, 10572, 10574, 10578, 10580, 10587-10589, 10593, 10594,
10601, 10603, 10605, 10624, 10635-10637, 10640, 10644, 10655, 10661-10663, 10669,
10670, 10682, 10683, 10686, 10697, 10703, 10710, 10714, 10721, 10731, 10734, 10735,
10744, 10745, 10749, 10767, 10769, 10771, 10775, 10788, 10794, 10799, 10806, 10812,
10815, 10824, 10827, 10841, 10845-10847, 10857, 10860, 10872, 10873, 10879, 10895,
10899, 10901, 10904, 10910, 10921, 10944, 10949, 10956, 10971, 10983, 11002, 11003,
11013, 11023, 11037, 11052, 11056, 11079, 11084, 11147

320-271N

ON A/C 08495, 08529, 08596, 08635, 09190, 09324

320-273N

ON A/C 06673, 07530, 07544, 07548, 07567, 07610, 07634, 07895, 07917, 07920, 07941,
07959, 07968, 07991, 08015, 08087, 08088, 08090, 08092, 08100, 08103, 08112, 08117,
08123, 08129, 08144, 08150, 08157, 08182, 08186, 08197, 08199, 08203, 08217, 08224,
08237, 08242, 08264, 08266, 08274, 08277, 08289, 08302, 08341, 08372, 08389, 08412,
08436, 08446, 08461, 08471, 08480, 08484, 08515, 08533, 08560, 08562, 08568, 08571,
08578, 08598, 08603, 08610, 08619, 08620, 08653, 08660, 08706, 08711, 08744, 08751,
08762, 08764, 08776, 08790, 08849, 08872, 08937, 08953, 08995, 09060, 09070, 09124,
09127, 09223, 09249, 09274, 09276, 09322, 09335, 09345, 09350, 09547, 10001, 10026,
10249, 10455

321-271N

ON A/C 08155, 08257, 08496, 08542, 08557, 08573, 08587, 08608, 08617, 08629, 08655,
08710, 08712, 08727, 08732, 08735, 08740, 08755, 08761, 08768, 08783, 08794, 08799,
08813, 08814, 08816, 08823, 08837, 08839, 08876, 08878, 08882, 08893, 08906, 08908,
08919, 08921, 08941, 08952, 08957, 08958, 08966, 08968, 08971, 08980, 08989, 08992,
08997, 09000, 09011, 09016, 09042, 09044, 09046, 09054, 09059, 09063, 09076, 09080,
09082, 09087, 09092, 09095, 09106, 09109, 09112, 09121, 09138, 09145, 09150, 09151,
09156, 09157, 09164, 09191, 09195, 09196, 09198, 09236, 09245, 09263, 09278, 09285,
09298, 09299, 09301, 09315, 09326, 09333, 09336, 09347, 09364, 09368, 09376, 09377,
09396, 09398, 09401, 09415, 09417, 09419, 09427, 09429, 09432, 09436, 09443-09445,
09452, 09458, 09487, 09492, 09496, 09499, 09503, 09515, 09553, 09564, 09567, 09568,
09575, 10000, 10010, 10029, 10032, 10042, 10050, 10054, 10056, 10059, 10066, 10068,
10084, 10099, 10101, 10115, 10116, 10120, 10125, 10128, 10130, 10143, 10147, 10174,
10176, 10189, 10210, 10221, 10222, 10224, 10227, 10229, 10254, 10257, 10259, 10260,
10272, 10273, 10275, 10276, 10280, 10282, 10283, 10287, 10294, 10295, 10303-10305,
10307, 10317, 10318, 10321, 10322, 10331, 10333, 10336, 10340, 10343, 10345, 10346,
10352, 10357, 10367, 10369-10371, 10373, 10375, 10380, 10382, 10389-10391, 10393,
10400, 10410, 10417, 10421, 10424, 10427, 10434, 10435, 10437, 10440, 10441, 10446-
10448, 10460, 10467, 10472, 10479, 10480, 10484, 10486, 10489, 10492, 10494, 10499,
10508, 10509, 10521, 10522, 10526, 10534, 10540, 10583, 10608, 10616, 10619, 10626,
10638, 10649, 10659, 10665, 10672, 10675, 10688, 10694, 10698, 10700, 10704, 10715,
10723, 10724, 10729, 10730, 10736, 10742, 10751, 10753, 10754, 10756, 10757, 10762,
10778, 10779, 10787, 10789, 10792, 10805, 10809, 10817, 10822, 10828, 10832, 10836,
10839, 10843, 10844, 10848, 10854-10856, 10859, 10861, 10866, 10871, 10875, 10878,
10880, 10881, 10883, 10884, 10889, 10891-10894, 10898, 10902, 10907, 10915, 10916,
10920, 10922, 10928-10931, 10933, 10935, 10939, 10940, 10943, 10946, 10947, 10950-
10952, 10958-10960, 10963-10965, 10967, 10968, 10973-10975, 10979, 10985, 10989,
10993, 10995, 10998, 11004, 11011, 11016-11018, 11022, 11027, 11028, 11030, 11032,
11036, 11040, 11044, 11048, 11049, 11060, 11061, 11066, 11069, 11078, 11082, 11108

AIRBUS

A318/A319/A320/A321
SERVICE BULLETIN

321-271NX

ON A/C 07839, 07881, 08095, 08187, 08212, 08229, 08291, 08349, 08501, 08524, 08545, 08552, 08589, 08626, 08649, 08669, 08678, 08699, 08703, 08729, 08747, 08753, 08769, 08924, 08985, 09051, 09108, 09161, 09241, 09242, 09294, 09589, 10117, 10207, 10232, 10335, 10363, 10470, 10517, 10531, 10773, 10906

321-272N

ON A/C 09509, 10347, 10653, 10666, 10825, 10977

321-272NX

CONF ALL

(2) Applicability by MSN

06286 06673 06720 06744 06772 06799 06801 06819 06829 06833 06849 06860
06864 06868 06904 06907 06914 06920 06946 06952 06967 06975 07001 07011
07033 07047 07051 07053 07060 07074 07078 07083 07094 07102 07103 07107
07124 07126 07129 07172 07192 07205 07209 07252 07269 07273 07329-07331
07333 07334 07343 07391 07396 07401 07449 07470 07477 07483 07495 07504
07507 07510 07512 07517 07530 07533 07540 07544 07547 07548 07553 07554
07563 07567 07571 07577 07579 07588 07594 07598 07610 07618 07626 07629
07634 07648 07671 07688 07710 07721 07731 07735 07737 07744 07751 07753
07757 07788 07795 07804 07811-07813 07839 07842 07844 07848 07849 07851
07858 07859 07862 07864 07871 07881 07892 07895 07899 07912 07914 07917
07920 07931 07941 07959 07961 07968 07991 08000 08015 08038 08077 08087
08088 08090 08092 08095 08098 08100 08101 08103 08112 08117 08121 08123
08129 08140 08142 08144 08146 08150 08152 08155 08157 08158 08166 08168
08172 08175 08181 08182 08186 08187 08196 08197 08199 08203 08206 08208
08209 08212 08217 08218 08224 08228 08229 08237 08242 08249 08253 08255
08257 08259 08264 08266 08273-08275 08277 08284 08289 08291 08302 08310
08335 08341 08345 08349 08351 08364 08366 08367 08371-08373 08382 08383
08387 08389 08392 08397 08412-08414 08416 08417 08426 08430 08432 08436
08440 08441 08445 08446 08451 08453 08455 08456 08458-08461 08464 08465
08467 08468 08471 08472 08474 08476 08478 08480 08482-08484 08490-08492
08495 08496 08498 08501 08503 08507 08510-08512 08515 08524 08527-08529
08533 08540-08542 08545 08546 08552 08554 08556-08560 08562 08563 08565
08568 08570 08571 08573 08576 08578 08583 08584 08586-08589 08594 08596
08598 08601 08603 08607 08608 08610 08613 08617-08622 08624 08626-08630
08633 08635 08643 08645 08648-08650 08653-08656 08658 08660 08661 08665
08668 08669 08674 08678 08683 08688 08699 08702 08703 08706 08708 08710-
08712 08715 08720 08723 08725 08727-08729 08732 08735-08737 08740 08741
08743 08744 08747 08751-08753 08755 08757 08761 08762 08764 08768 08769
08771 08775-08777 08782 08783 08785 08787 08789 08790 08793 08794 08799
08803 08813 08814 08816 08818 08820 08823 08832 08833 08836 08837 08839
08843 08844 08846 08848-08850 08852 08860 08864 08865 08867 08870 08872
08873 08876-08878 08882 08885 08890 08893 08894 08896 08899 08901 08905
08906 08908 08919 08921 08922 08924 08927-08929 08932 08935 08937 08941
08945 08948 08952 08953 08957-08959 08961 08966-08969 08971 08978 08980
08981 08985 08987-08990 08992 08995 08997 09000 09001 09011 09013 09015
09016 09019 09021 09029 09031 09039 09042 09044-09046 09050 09051 09053
09054 09059-09061 09063 09070-09072 09075 09076 09078-09080 09082 09084
09085 09087 09091-09097 09106-09109 09112 09113 09118 09121 09124 09127
09138 09140 09141 09144 09145 09148 09150-09152 09155-09157 09161 09164
09166 09167 09175 09179 09181 09184 09189-09196 09198 09200-09202 09206
09207 09212 09213 09215 09216 09218 09220 09223 09229 09236 09241 09242
09244-09246 09249 09251-09253 09259 09263 09264 09272-09274 09276 09278
09283 09285 09287 09290 09291 09294 09298 09299 09301 09309 09315 09322
09324 09326 09328 09332 09333 09335 09336 09339 09341-09343 09345-09347



A318/A319/A320/A321

SERVICE BULLETIN

09350 09351 09353 09356 09358 09364 09368 09369 09375-09377 09379 09385
09387 09388 09390 09391 09395 09396 09398 09400-09402 09405 09407 09410
09412 09414-09417 09419 09420 09423 09427 09429 09430 09432 09435-09437
09442-09445 09447 09450 09452 09453 09458 09459 09461 09463 09467 09469
09471 09474-09476 09479 09482 09483 09486 09487 09489 09492-09494 09496
09497 09499 09500 09502 09503 09506 09508 09509 09511 09514 09515 09523
09529 09530 09542 09546-09548 09553 09555 09557-09559 09562-09564 09567-
09570 09573-09575 09577 09578 09580 09581 09583 09586 09589-09594 09596-
09598 10000 10001 10005 10008 10010 10011 10014 10016 10021-10024 10026
10027 10029 10032 10035 10042-10044 10046 10047 10049 10050 10052 10054
10056 10057 10059 10062 10063 10066 10068 10069 10073 10076 10078 10084
10090 10092 10093 10098 10099 10101 10103 10107 10108 10112 10113 10115-
10117 10120 10125 10127-10130 10138 10139 10143 10147 10148 10160 10164
10165 10174-10176 10188 10189 10192 10194 10200 10202 10207-10210 10212
10215 10219 10221 10222 10224 10227 10229 10232 10241 10242 10247-10249
10254 10257 10259 10260 10263 10268 10272 10273 10275 10276 10278 10280-
10283 10286 10287 10292 10294 10295 10301 10303-10305 10307 10310 10316-
10318 10321 10322 10325 10326 10328 10330 10331 10333-10336 10340 10343
10345-10349 10352 10357 10360 10363 10367-10371 10373-10375 10380 10382
10383 10389-10391 10393 10399 10400 10402 10410 10413 10414 10417 10421
10424 10425 10427 10434 10435 10437 10439-10441 10446-10450 10454 10455
10460 10463 10467 10469 10470 10472 10473 10477 10479 10480 10484 10486
10489 10492 10494 10495 10498 10499 10504 10505 10508 10509 10517 10521
10522 10526 10531 10534 10537 10538 10540 10545 10546 10549 10553 10560
10561 10563 10569 10571 10572 10574 10578 10580 10583 10587-10589 10593
10594 10601 10603 10605 10608 10616 10619 10624 10626 10635-10638 10640
10644 10649 10653 10655 10659 10661-10663 10665 10666 10669 10670 10672
10675 10682 10683 10686 10688 10694 10697 10698 10700 10703 10704 10710
10714 10715 10721 10723 10724 10729-10731 10734-10736 10742 10744 10745
10749 10751 10753 10754 10756 10757 10762 10767 10769 10771 10773 10775
10778 10779 10787-10789 10792 10794 10799 10805 10806 10809 10812 10815
10817 10822 10824 10825 10827 10828 10832 10836 10839 10841 10843-10848
10854-10857 10859-10861 10866 10871-10873 10875 10878-10881 10883 10884
10889 10891-10895 10898 10899 10901 10902 10904 10906 10907 10910 10915
10916 10920-10922 10928-10931 10933 10935 10939 10940 10943 10944 10946
10947 10949-10952 10956 10958-10960 10963-10965 10967 10968 10971 10973-
10975 10977 10979 10983 10985 10989 10993 10995 10998 11002-11004 11011
11013 11016-11018 11022 11023 11027 11028 11030 11032 11036 11037 11040
11044 11048 11049 11052 11056 11060 11061 11066 11069 11078 11079 11082
11084 11108 11147

(3) MSN by configuration

MSN	CONFIGURATION
06286 06673 06720 06744 06772 06799 06801 06819 06829 06833 06849 06860 06864 06868 06904 06907 06914 06920 06946 06952 06967 06975 07001 07011 07033 07047 07051 07053 07060 07074 07078 07083 07094 07102 07103 07107 07124 07126 07129 07172 07192 07205 07209 07252 07269 07273 07329 07330 07331 07333 07334 07343 07391 07396 07401 07449 07470 07477 07483 07495 07504 07507 07510 07512 07517 07530 07533 07540 07544 07547 07548 07553 07554 07563 07567 07571 07577 07579 07588 07594 07598 07610 07618 07626 07629 07634 07648 07671 07688 07710 07721 07731 07735 07737 07744 07751 07753 07757 07788 07795 07804 07811 07812 07813 07839 07842 07844 07848	001

AIRBUS

A318/A319/A320/A321
SERVICE BULLETIN

MSN	CONFIGURATION
07849 07851 07858 07859 07862 07864 07871 07881 07892	
07895 07899 07912 07914 07917 07920 07931 07941 07959	
07961 07968 07991 08000 08015 08038 08077 08087 08088	
08090 08092 08095 08098 08100 08101 08103 08112 08117	
08121 08123 08129 08140 08142 08144 08146 08150 08152	
08155 08157 08158 08166 08168 08172 08175 08181 08182	
08186 08187 08196 08197 08199 08203 08206 08208 08209	
08212 08217 08218 08224 08228 08229 08237 08242 08249	
08253 08255 08257 08259 08264 08266 08273 08274 08275	
08277 08284 08289 08291 08302 08310 08335 08341 08345	
08349 08351 08364 08366 08367 08371 08372 08373 08382	
08383 08387 08389 08392 08397 08412 08413 08414 08416	
08417 08426 08430 08432 08436 08440 08441 08445 08446	
08451 08453 08455 08456 08458 08459 08460 08461 08464	
08465 08467 08468 08471 08472 08474 08476 08478 08480	
08482 08483 08484 08490 08491 08492 08495 08496 08498	
08501 08503 08507 08510 08511 08512 08515 08524 08527	
08528 08529 08533 08540 08541 08542 08545 08546 08552	
08554 08556 08557 08558 08559 08560 08562 08563 08565	
08568 08570 08571 08573 08576 08578 08583 08584 08586	
08587 08588 08589 08594 08596 08598 08601 08603 08607	
08608 08610 08613 08617 08618 08619 08620 08621 08622	
08624 08626 08627 08628 08629 08630 08633 08635 08643	
08645 08648 08649 08650 08653 08654 08655 08656 08658	
08660 08661 08665 08668 08669 08674 08678 08683 08688	
08699 08702 08703 08706 08708 08710 08711 08712 08715	
08720 08723 08725 08727 08728 08729 08732 08735 08736	
08737 08740 08741 08743 08744 08747 08751 08752 08753	
08755 08757 08761 08762 08764 08768 08769 08771 08775	
08776 08777 08782 08783 08785 08787 08789 08790 08793	
08794 08799 08803 08813 08814 08816 08818 08820 08823	
08832 08833 08836 08837 08839 08843 08844 08846 08848	
08849 08850 08852 08860 08864 08865 08867 08870 08872	
08873 08876 08877 08878 08882 08885 08890 08893 08894	
08896 08899 08901 08905 08906 08908 08919 08921 08922	
08924 08927 08928 08929 08932 08935 08937 08941 08945	
08948 08952 08953 08957 08958 08959 08961 08966 08967	
08968 08969 08971 08978 08980 08981 08985 08987 08988	
08989 08990 08992 08995 08997 09000 09001 09011 09013	
09015 09016 09019 09021 09029 09031 09039 09042 09044	
09045 09046 09050 09051 09053 09054 09059 09060 09061	
09063 09070 09071 09072 09075 09076 09078 09079 09080	
09082 09084 09085 09087 09091 09092 09093 09094 09095	
09096 09097 09106 09107 09108 09109 09112 09113 09118	
09121 09124 09127 09138 09140 09141 09144 09145 09148	
09150 09151 09152 09155 09156 09157 09161 09164 09166	
09167 09175 09179 09181 09184 09189 09190 09191 09192	
09193 09194 09195 09196 09198 09200 09201 09202 09206	
09207 09212 09213 09215 09216 09218 09220 09223 09229	
09236 09241 09242 09244 09245 09246 09249 09251 09252	
09253 09259 09263 09264 09272 09273 09274 09276 09278	
09283 09285 09287 09290 09291 09294 09298 09299 09301	
09309 09315 09322 09324 09326 09328 09332 09333 09335	
09336 09339 09341 09342 09343 09345 09346 09347 09350	
09351 09353 09356 09358 09364 09368 09369 09375 09376	

AIRBUS

A318/A319/A320/A321
SERVICE BULLETIN

MSN	CONFIGURATION
09377 09379 09385 09387 09388 09390 09391 09395 09396	
09398 09400 09401 09402 09405 09407 09410 09412 09414	
09415 09416 09417 09419 09420 09423 09427 09429 09430	
09432 09435 09436 09437 09442 09443 09444 09445 09447	
09450 09452 09453 09458 09459 09461 09463 09467 09469	
09471 09474 09475 09476 09479 09482 09483 09486 09487	
09489 09492 09493 09494 09496 09497 09499 09500 09502	
09503 09506 09508 09509 09511 09514 09515 09523 09529	
09530 09542 09546 09547 09548 09553 09555 09557 09558	
09559 09562 09563 09564 09567 09568 09569 09570 09573	
09574 09575 09577 09578 09580 09581 09583 09586 09589	
09590 09591 09592 09593 09594 09596 09597 09598 10000	
10001 10005 10008 10010 10011 10014 10016 10021 10022	
10023 10024 10026 10027 10029 10032 10035 10042 10043	
10044 10046 10047 10049 10050 10052 10054 10056 10057	
10059 10062 10063 10066 10068 10069 10073 10076 10078	
10084 10090 10092 10093 10098 10099 10101 10103 10107	
10108 10112 10113 10115 10116 10117 10120 10125 10127	
10128 10129 10130 10138 10139 10143 10147 10148 10160	
10164 10165 10174 10175 10176 10188 10189 10192 10194	
10200 10202 10207 10208 10209 10210 10212 10215 10219	
10221 10222 10224 10227 10229 10232 10241 10242 10247	
10248 10249 10254 10257 10259 10260 10263 10268 10272	
10273 10275 10276 10278 10280 10281 10282 10283 10286	
10287 10292 10294 10295 10301 10303 10304 10305 10307	
10310 10316 10317 10318 10321 10322 10325 10326 10328	
10330 10331 10333 10334 10335 10336 10340 10343 10345	
10346 10347 10348 10349 10352 10357 10360 10363 10367	
10368 10369 10370 10371 10373 10374 10375 10380 10382	
10383 10389 10390 10391 10393 10399 10400 10402 10410	
10413 10414 10417 10421 10424 10425 10427 10434 10435	
10437 10439 10440 10441 10446 10447 10448 10449 10450	
10454 10455 10460 10463 10467 10469 10470 10472 10473	
10477 10479 10480 10484 10486 10489 10492 10494 10495	
10498 10499 10504 10505 10508 10509 10517 10521 10522	
10526 10531 10534 10537 10538 10540 10545 10546 10549	
10553 10560 10561 10563 10569 10571 10572 10574 10578	
10580 10583 10587 10588 10589 10593 10594 10601 10603	
10605 10608 10616 10619 10624 10626 10635 10636 10637	
10638 10640 10644 10649 10653 10655 10659 10661 10662	
10663 10665 10666 10669 10670 10672 10675 10682 10683	
10686 10688 10694 10697 10698 10700 10703 10704 10710	
10714 10715 10721 10723 10724 10729 10730 10731 10734	
10735 10736 10742 10744 10745 10749 10751 10753 10754	
10756 10757 10762 10767 10769 10771 10773 10775 10778	
10779 10787 10788 10789 10792 10794 10799 10805 10806	
10809 10812 10815 10817 10822 10824 10825 10827 10828	
10832 10836 10839 10841 10843 10844 10845 10846 10847	
10848 10854 10855 10856 10857 10859 10860 10861 10866	
10871 10872 10873 10875 10878 10879 10880 10881 10883	
10884 10889 10891 10892 10893 10894 10895 10898 10899	
10901 10902 10904 10906 10907 10910 10915 10916 10920	
10921 10922 10928 10929 10930 10931 10933 10935 10939	
10940 10943 10944 10946 10947 10949 10950 10951 10952	
10956 10958 10959 10960 10963 10964 10965 10967 10968	

MSN	CONFIGURATION
10971 10973 10974 10975 10977 10979 10983 10985 10989 10993 10995 10998 11002 11003 11004 11011 11013 11016 11017 11018 11022 11023 11027 11028 11030 11032 11036 11037 11040 11044 11048 11049 11052 11056 11060 11061 11066 11069 11078 11079 11082 11084 11108 11147	

(4) Configuration definition

Configuration 001

CONF 001 is applicable for all the aircraft affected by this Service Bulletin as a standard configuration.

CONF 001 retrofits following modifications: 171160P22170.

B. CONCURRENT REQUIREMENTS

None

C. REASON

(1) History

On A320 NEO (PW engines), operators reported cases of ENG X fire loop X fault messages. The faults were triggered due to a breakage of a pylon fire detection loop.

(2) Objective/Action

In order to address the issue, it has been decided to install lacing tape knots as spacers in the affected zone between loop and supporting ramp.

(3) Advantages

Accomplishment of this Service Bulletin will prevent any unexpected ENG X fire loop X fault messages.

(4) Operational/Maintenance Consequences

None

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to:

(1) Installation of Lacing Tape on Detection Ramp

- (a) Task set A320-A-26-XX-1124-01000-93AA-A Installation of Lacing Tape on Detection Ramp

- 1 Remove the Pylon Fire-Detector Ramp-Assembly, LH Side
- 2 Remove the Pylon Fire-Detector Ramp-Assembly, RH Side
- 3 Install the Lacing Tape onto the Pylon Fire-Detector Ramp-Assembly, LH Side - On Bench
- 4 Install the Lacing Tape onto the Pylon Fire-Detector Ramp-Assembly, RH Side - On Bench
- 5 Install the Pylon Fire-Detector Ramp-Assembly, LH Side
- 6 Install the Pylon Fire-Detector Ramp-Assembly, RH Side

E. COMPLIANCE

(1) Classification

RECOMMENDED: Service Bulletin recommended to be accomplished to prevent significant operational disruptions.

(2) Accomplishment Timescale

Accomplishment of this Service Bulletin is recommended at the earliest opportunity where manpower and facilities are available.

F. APPROVAL

The technical content of this document is approved under the authority of the Design Organisation Approval ref. EASA.21J.031.

If an aircraft listed in the applicability 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

The manpower estimates given in this Service Bulletin are based on the direct labor cost to do the work. These estimates assume that the work will be done by experienced personnel, and may need to be revised upwards to suit operator's circumstances. The estimates do not include the time to prepare, plan or inspect the work. Manufacture and procurement of parts and tools, drying times for paints, sealants, etc., and general administration work are also not included.

(1) Installation of Lacing Tape on Detection Ramp

- (a) Task set A320-A-26-XX-1124-01000-93AA-A Installation of Lacing Tape on Detection Ramp

PREPARATION		
Job Set-up	4.00 h	
PROCEDURE		
Remove the Pylon Fire-Detector Ramp-Assembly, LH Side	0.50 h	
Remove the Pylon Fire-Detector Ramp-Assembly, RH Side	0.50 h	
Install the Lacing Tape onto the Pylon Fire-Detector Ramp-Assembly, LH Side - On Bench	1.00 h	BENCH
Install the Lacing Tape onto the Pylon Fire-Detector Ramp-Assembly, RH Side - On Bench	1.00 h	BENCH
Install the Pylon Fire-Detector Ramp-Assembly, LH Side	0.50 h	
Install the Pylon Fire-Detector Ramp-Assembly, RH Side	0.50 h	
PREPARATION FOR TEST		
Preparation for Test	0.10 h	
TEST		
Test	1.00 h	
CLOSE-UP		
Close-up	4.00 h	
TOTAL MAN-HOURS	13.10 h	
ELAPSED TIME (HOURS)	6.35 h	

NOTE: For an explanation of the man-hours and elapsed time, refer to the Gantt Chart given in Appendix A.



A318/A319/A320/A321

SERVICE BULLETIN

H. WEIGHT AND BALANCE

Not changed

I. ELECTRICAL LOAD DATA

Not changed

J. REFERENCES

(1) **Installation of Lacing Tape on Detection Ramp**

- (a) Task set A320-A-26-XX-1124-01000-93AA-A Installation of Lacing Tape on Detection Ramp

AIRCRAFT MAINTENANCE MANUAL (AMM)	
06-20-00, Page Block 001	Task 12-34-24-869-002
Task 26-12-16-000-802	
Task 26-12-16-400-802	
ELECTRICAL STANDARD PRACTICES MANUAL (ESPM)	
20-33-44	20-54-50
20-55-00	20-56-51
STRUCTURAL REPAIR MANUAL (SRM)	
51-42-00	
TECHNICAL FOLLOW UP (TFU)	
26.12.00020	

CONSUMABLE MATERIAL LIST (CML)

K. PUBLICATION AFFECTED

AIRCRAFT MAINTENANCE MANUAL (AMM)

ILLUSTRATED PART CATALOG (IPC)

L. INDUSTRY SUPPORT INFORMATION

This Service Bulletin is the subject of an AIRBUS monitored retrofit campaign.

For the organization of this retrofit, you are kindly requested to contact AIRBUS retrofit management department: monitored.retrofit@airbus.com.

2. MATERIAL INFORMATION

A. MATERIAL APPLICABILITY

Material for task set A320-A-26-XX-1124-01000-93AA-A Installation of Lacing Tape on Detection Ramp

MATERIAL	QTY	SEE NOTES
Consumables	See SB	
Components	See SB	

B. TOOLING

No tools

C. CONSUMABLES

Consumables for task set A320-A-26-XX-1124-01000-93AA-A Installation of Lacing Tape on Detection Ramp

ITEM	REFERENCE CML	DESCRIPTION	DRAWING	SEE NOTES
	06CCD1	Silicone Adhesive Sealant - High Temp. Area One part paste		
	06CDD1	Silicone Adhesive Sealant - Solvant Resistant One part		
	08BAA9	Non Aqueous Cleaner - General		
	14SBA1	Textile - Lint free Cotton		

D. LIST OF NEW PARTS

Components for task set A320-A-26-XX-1124-01000-93AA-A Installation of Lacing Tape on Detection Ramp

Procurement address	D4296	AIRBUS Material, Logistics and Suppliers Standard Parts Customer Order Fulfilment Phone: +49 (0) 40 50 76 40 02 E-mail: Please contact your Single Point Of Contact (SPOC) Internet: http://spares.airbus.com or via SPEC2000
---------------------	-------	--

NOTE(S)

For standard hardware the purchase order must be addressed to AIRBUS at the address given above. Quote the number of this Service Bulletin, the MSN and, if applicable the Retrofit Information Letter (RIL) reference.

ITEM	PART No.	QTY (UM)	KEYWORD	DRAWING	SEE NOTES
1	NSA8420-5 (D4296)	4 (m)	CORD		(1)

NOTE(S)

(1): The components listed above are not an AIRBUS Kit, the required parts must be ordered as necessary through the given channel.

E. LIST OF EXISTING PARTS

No parts



A318/A319/A320/A321

SERVICE BULLETIN

3. **ACCOMPLISHMENT INSTRUCTIONS**

Task set A320-A-26-XX-1124-01000-93AA-A (A320-A-26-XX-1124-01ZZZ-93AZ-A)

Installation of Lacing Tape on Detection Ramp

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

WARNING: BE CAREFUL WHEN YOU DO WORK ON THE ENGINE PARTS AFTER THE ENGINE IS SHUTDOWN. THE ENGINE AND ENGINE OIL CAN STAY HOT FOR A LONG TIME. IF YOU DO NOT OBEY THIS INSTRUCTION, INJURY CAN OCCUR.

WARNING: ALWAYS USE APPLICABLE GLOVES TO TOUCH HOT PARTS. HOT PARTS CAN CAUSE INJURY TO PERSONS.

CAUTION: ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE). WHEN YOU DO A 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 Ref. ESPM 20-55-00.**

NOTE: The accomplishment instructions of this Service Bulletin include procedures given in other documents or in other sections of the Service Bulletin. When the words "refer to" are used and the operator has a procedure accepted by the local authority he belongs to, the accepted alternative procedure can be used. When the words "in accordance with" are used then the given procedure must be followed.

NOTE: The access and close-up instructions, not comprising return to service tests, in this Service Bulletin do not constitute or affect the technical intent of the Service Bulletin. Operators can therefore, as deemed necessary, omit or add access and/or close-up steps to add flexibility to their maintenance operations as long as the technical intent of the Service Bulletin is met within the set parameters.

NOTE: Manual titles given in the accomplishment instructions are referred to by acronyms. Refer to paragraph 1.J., References, for the definition of acronyms.

NOTE: This Service Bulletin contains the instructions for the on-aircraft maintenance necessary to ensure the continued airworthiness of the aircraft.
For any deviations to the instructions, contact AIRBUS for further instructions and approval.

A. TASK SET ASSOCIATED INFORMATION

Task Manpower

TOTAL MAN-HOURS	13.10 h
ELAPSED TIME (HOURS)	6.35 h

B. PREPARATION

- (1) Task A320-A-26-XX-1124-01001-540A-A (A320-A-26-XX-1124-01ZZZ-540Z-A)**
Job Set-up

Job Set-Up Information

Manpower/Resources/Skills

Man-hours	4.00 h
Minimum Number of person	2
Elapsed Time	2.00 h

Referenced Information

Manuals/Drawings	References/Sheets
AMM	Task 12-34-24-869-002 Task 26-12-16-000-802

Procedure

NOTE: For the basic Aircraft configuration, refer to AMM Chapter "Introduction - Aircraft status for maintenance" in Manual Front Matter section.

WARNING: YOU MUST DEACTIVATE THE THRUST REVERSER BEFORE YOU DO WORK ON OR AROUND IT. IF YOU DO NOT, THE THRUST REVERSER CAN OPERATE ACCIDENTALLY AND CAUSE AN INJURY AND/OR DAMAGE.

CAUTION: DO NOT USE ELECTRICAL OR PNEUMATIC TOOLS TO LOOSEN OR TIGHTEN THE QUARTER-TURN FASTENER ON THE FIRE DETECTOR CLAMP. ONLY USE A MANUAL SCREWDRIVER. ELECTRICAL OR PNEUMATIC TOOLS WILL CAUSE THE FASTENER TO TURN TOO MUCH AND POSSIBLY TO BREAK.

CAUTION: DO NOT BEND THE MANIFOLD OF THE SENSING ELEMENT. IF YOU BEND IT, YOU CAN CAUSE DAMAGE TO THE WELDING.

- (a) Make sure that the aircraft is electrically grounded, refer to Ref. AMM Task 12-34-24-869-002.
- (b) Do the job set-up procedure as specified in the removal of the pylon fire-detector ramp-assembly, refer to Ref. AMM Task 26-12-16-000-802.

C. PROCEDURE

- (1) Task A320-A-26-XX-1124-05001-520A-A (A320-A-26-XX-1124-05ZZZ-520Z-A)**
Remove the Pylon Fire-Detector Ramp-Assembly, LH Side

Job Set-Up Information

Working Area

Impacted Zone	Access / Work Location
415	

Manpower/Resources/Skills

Man-hours	0.50 h
Minimum Number of person	1
Elapsed Time	0.50 h
Skills	Airframe

Referenced Information

Manuals/Drawings	References/Sheets
AMM	06-20-00, Page Block 001 Task 26-12-16-000-802
ESPM	20-54-50
SRM	51-42-00

Procedure

- (a) Standard practices given in this procedure:

- 1 For the identification of zones, refer to Ref. AMM 06-20-00, Page Block 001.
- 2 Remove and install fasteners in accordance with Ref. SRM 51-42-00.
- 3 Tag all the parts you must remove and retain to make the subsequent installation easier.
- 4 Put all the retained hardware in identified plastic bags and attach the bags to the related unit.
- 5 For the protection of the connectors, contacts and terminals, refer to Ref. ESPM 20-54-50.

CAUTION: DO NOT USE ELECTRICAL OR PNEUMATIC TOOLS TO LOOSEN OR TIGHTEN THE QUARTER-TURN FASTENER ON THE FIRE DETECTOR CLAMP. ONLY USE A MANUAL SCREWDRIVER. ELECTRICAL OR PNEUMATIC TOOLS WILL CAUSE THE FASTENER TO TURN TOO MUCH AND POSSIBLY TO BREAK.

CAUTION: DO NOT BEND THE MANIFOLD OF THE SENSING ELEMENT. IF YOU BEND IT, YOU CAN CAUSE DAMAGE TO THE WELDING.

- (b) Remove the pylon fire-detector ramp-assembly, refer to Ref. AMM Task 26-12-16-000-802:

1 RAMP ASSY Retain

NOTE: Retain the bolts QTY 7 and washers QTY 7 as these are required for the installation procedure.

- (2) **Task A320-A-26-XX-1124-06001-520A-A (A320-A-26-XX-1124-06ZZZ-520Z-A)**
Remove the Pylon Fire-Detector Ramp-Assembly, RH Side

Job Set-Up Information

Working Area

Impacted Zone	Access / Work Location
425	

Manpower/Resources/Skills

Man-hours	0.50 h
Minimum Number of person	1
Elapsed Time	0.50 h
Skills	Airframe

Referenced Information

Manuals/Drawings	References/Sheets
AMM	06-20-00, Page Block 001 Task 26-12-16-000-802
ESPM	20-54-50
SRM	51-42-00

Procedure

- (a) Standard practices given in this procedure:
- 1 For the identification of zones, refer to Ref. AMM 06-20-00, Page Block 001.
 - 2 Remove and install fasteners in accordance with Ref. SRM 51-42-00.
 - 3 Tag all the parts you must remove and retain to make the subsequent installation easier.
 - 4 Put all the retained hardware in identified plastic bags and attach the bags to the related unit.
 - 5 For the protection of the connectors, contacts and terminals, refer to Ref. ESPM 20-54-50.

CAUTION: DO NOT USE ELECTRICAL OR PNEUMATIC TOOLS TO LOOSEN OR TIGHTEN THE QUARTER-TURN FASTENER ON THE FIRE DETECTOR CLAMP. ONLY USE A MANUAL SCREWDRIVER. ELECTRICAL OR PNEUMATIC TOOLS WILL CAUSE THE FASTENER TO TURN TOO MUCH AND POSSIBLY TO BREAK.

CAUTION: DO NOT BEND THE MANIFOLD OF THE SENSING ELEMENT. IF YOU BEND IT, YOU CAN CAUSE DAMAGE TO THE WELDING.

- (b) Remove the pylon fire-detector ramp-assembly, refer to Ref. AMM Task 26-12-16-000-802:

1 RAMP ASSY Retain

NOTE: Retain the bolts QTY 7 and washers QTY 7 as these are required for the installation procedure.

- (3) **Task A320-A-26-XX-1124-01001-720A-C (A320-A-26-XX-1124-01ZZZ-720Z-C)**
Install the Lacing Tape onto the Pylon Fire-Detector Ramp-Assembly, LH Side - On Bench

Job Set-Up Information

Manpower/Resources/Skills

Man-hours	1.00 h
Minimum Number of person	1
Elapsed Time	1.00 h
Skills	Airframe

Material necessary to do the job

Consumables				
ITEM	REFERENCE CML	DESCRIPTION	DRAWING	SEE NOTES
	06CCD1	Silicone Adhesive Sealant - High Temp. Area One part paste		
	06CDD1	Silicone Adhesive Sealant - Solvant Resistant One part		
	08BAA9	Non Aqueous Cleaner - General		
	14SBA1	Textile - Lint free Cotton		

Components					
ITEM	PART No.	QTY (UM)	KEYWORD	DRAWING	SEE NOTES
1	NSA8420-5	2 (m)	CORD		

Referenced Information

Manuals/Drawings	References/Sheets
CML	CONSUMABLE MATERIAL LIST (CML)
ESPM	20-33-44 20-56-51

Procedure

Ref. Fig.BC Installation of the Lacing Tape onto the Pylon Fire-Detector Ramp-Assembly, LH Side

(a) Standard practices given in this procedure:

- 1 For the specification of Material application codes given in this Service Bulletin, refer to Ref. CML.
- 2 For the cable tie application and tooling, refer to Ref. ESPM 20-33-44 and Ref. ESPM 20-56-51.

CAUTION: DO NOT BEND THE MANIFOLD OF THE SENSING ELEMENT. IF YOU BEND IT, YOU CAN CAUSE DAMAGE TO THE WELDING.

(b) Clean the work area, with:

Textile - Lint free Cotton 14SBA1
and

Non Aqueous Cleaner - 08BAA9
General

(c) Install the lacing tape onto the fire-detector ramp assembly:

2(m) CORD-FIBER GLASS NSA8420-5 Item 1

NOTE: Tighten each knot around the fire-detection tube and loop A only.

NOTE: Make sure that you put knot in between the center of the metallic clamps. Each knot has a margin tolerance of +/-5 mm (+/-0.197 in.).

(d) Cut the unwanted lacing tape, item 1 from the knots.

NOTE: Keep the maximum cord length of 10 mm (0.394 in.).

- (e) Apply primer on each knot and at the end of the knot, with:

Silicone Adhesive 06CDD1
Sealant - Solvant
Resistant One part

- (f) Apply adhesive sealant around the knots, with:

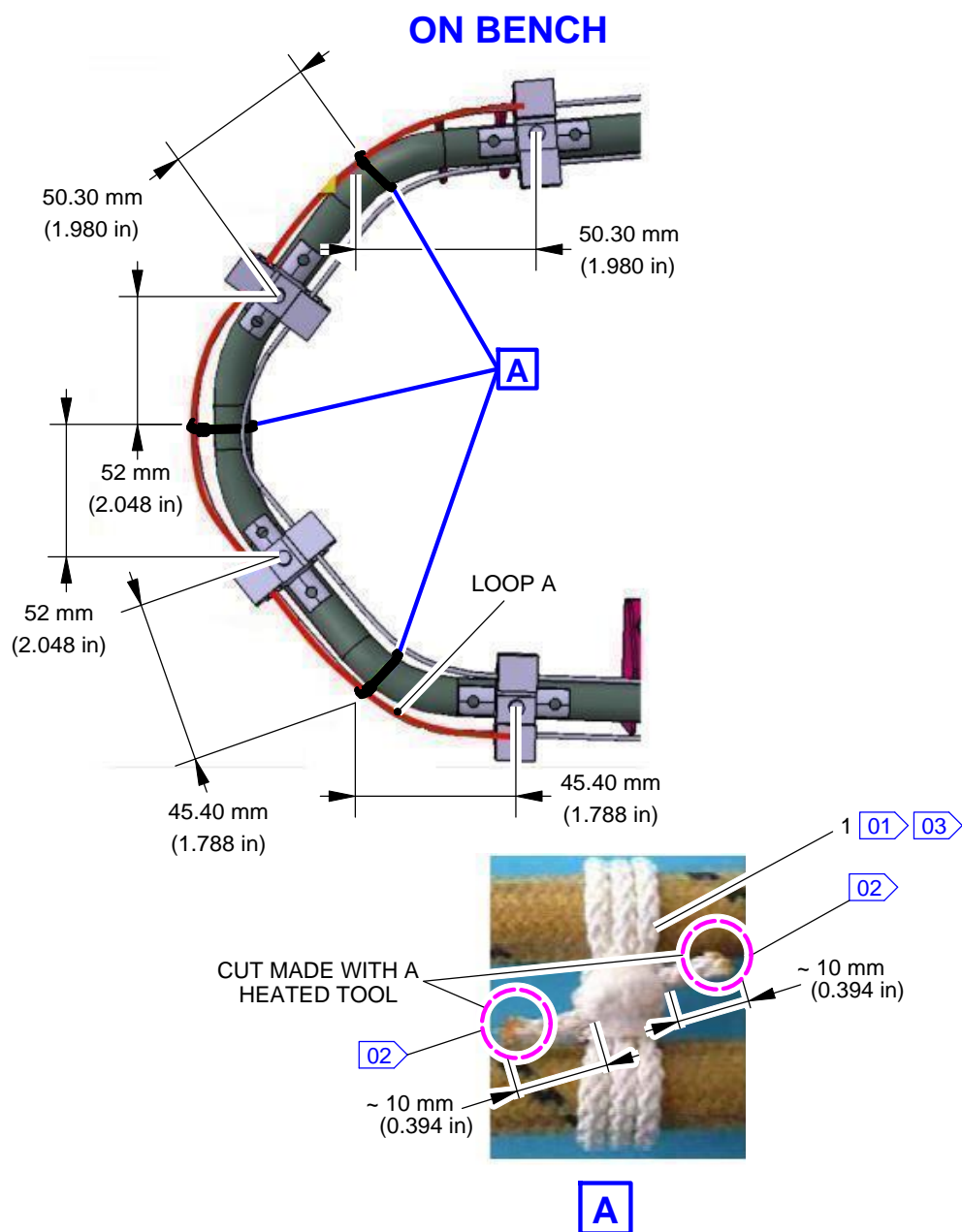
Silicone Adhesive 06CCD1
Sealant - High Temp.
Area One part paste

AIRBUS

A318/A319/A320/A321

SERVICE BULLETIN

CONF ALL



NOTE:

THE GIVEN DIMENSIONS ARE FOR INFORMATION ONLY.

- 01 WHILE INSTALLATION OF LACING TAPE, ITEM 1, PUT THE KNOT IN BETWEEN THE CENTER OF THE METALLIC CLAMPS. EACH KNOT HAS A MARGIN TOLERANCE OF ± 5 mm (± 0.197 in).
- 02 USE HEATED TOOL TO REMOVE UNWANTED LACING TAPE, ITEM 1, REFER TO ESPM 20-33-44. MAXIMUM CORD LENGTH FROM THE KNOT SHOULD BE 10 mm (0.394 in).
- 03 APPLY PRIMER AND ADHESIVE SEALANT ON EACH KNOT AND AT THE KNOT END, MATERIAL No 06CDD1 AND MATERIAL No 06CCD1 RESPECTIVELY.

ICN-A320-A-26XX1124-A-FAPE3-02FUU-A-002-01

Figure ICN-A320-A-26XX1124-A-FAPE3-02FUU-A-002-01 Fig.BC Sol.AA SHEET 1/1

- (4) **Task A320-A-26-XX-1124-02001-720A-C (A320-A-26-XX-1124-02ZZZ-720Z-C)**
Install the Lacing Tape onto the Pylon Fire-Detector Ramp-Assembly, RH Side
- On Bench

Job Set-Up Information

Manpower/Resources/Skills

Man-hours	1.00 h
Minimum Number of person	1
Elapsed Time	1.00 h
Skills	Airframe

Material necessary to do the job

Consumables				
ITEM	REFERENCE CML	DESCRIPTION	DRAWING	SEE NOTES
	06CCD1	Silicone Adhesive Sealant - High Temp. Area One part paste		
	06CDD1	Silicone Adhesive Sealant - Solvant Resistant One part		
	08BAA9	Non Aqueous Cleaner - General		
	14SBA1	Textile - Lint free Cotton		

Components					
ITEM	PART No.	QTY (UM)	KEYWORD	DRAWING	SEE NOTES
1	NSA8420-5	2 (m)	CORD		

Referenced Information

Manuals/Drawings		References/Sheets
CML		CONSUMABLE MATERIAL LIST (CML)
ESPM		20-33-44 20-56-51

Procedure

Ref. Fig.BD Installation of the Lacing Tape onto the Pylon Fire-Detector Ramp-Assembly, RH Side

- (a) Standard practices given in this procedure:

- 1 For the specification of Material application codes given in this Service Bulletin, refer to Ref. CML.
- 2 For the cable tie application and tooling, refer to Ref. ESPM 20-33-44 and Ref. ESPM 20-56-51.

CAUTION: DO NOT BEND THE MANIFOLD OF THE SENSING ELEMENT. IF YOU BEND IT, YOU CAN CAUSE DAMAGE TO THE WELDING.

- (b) Clean the work area, with:

Textile - Lint free Cotton 14SBA1
and

Non Aqueous Cleaner - 08BAA9
General

- (c) Install the lacing tape onto the fire-detector ramp assembly:

2(m) CORD-FIBER GLASS NSA8420-5 Item 1

NOTE: Tighten each knot around the fire-detection tube and loop A only.

NOTE: Make sure that you put knot in between the center of the metallic clamps. Each knot has a margin tolerance of +/-5 mm (+/-0.197 in.).

- (d) Cut the unwanted lacing tape, item 1 from the knots.

NOTE: Keep the maximum chord length of 10 mm (0.394 in.).

- (e) Apply primer on each knot and at the end of the knot, with:

Silicone Adhesive 06CDD1
Sealant - Solvant
Resistant One part

- (f) Apply adhesive sealant around the knots, with:

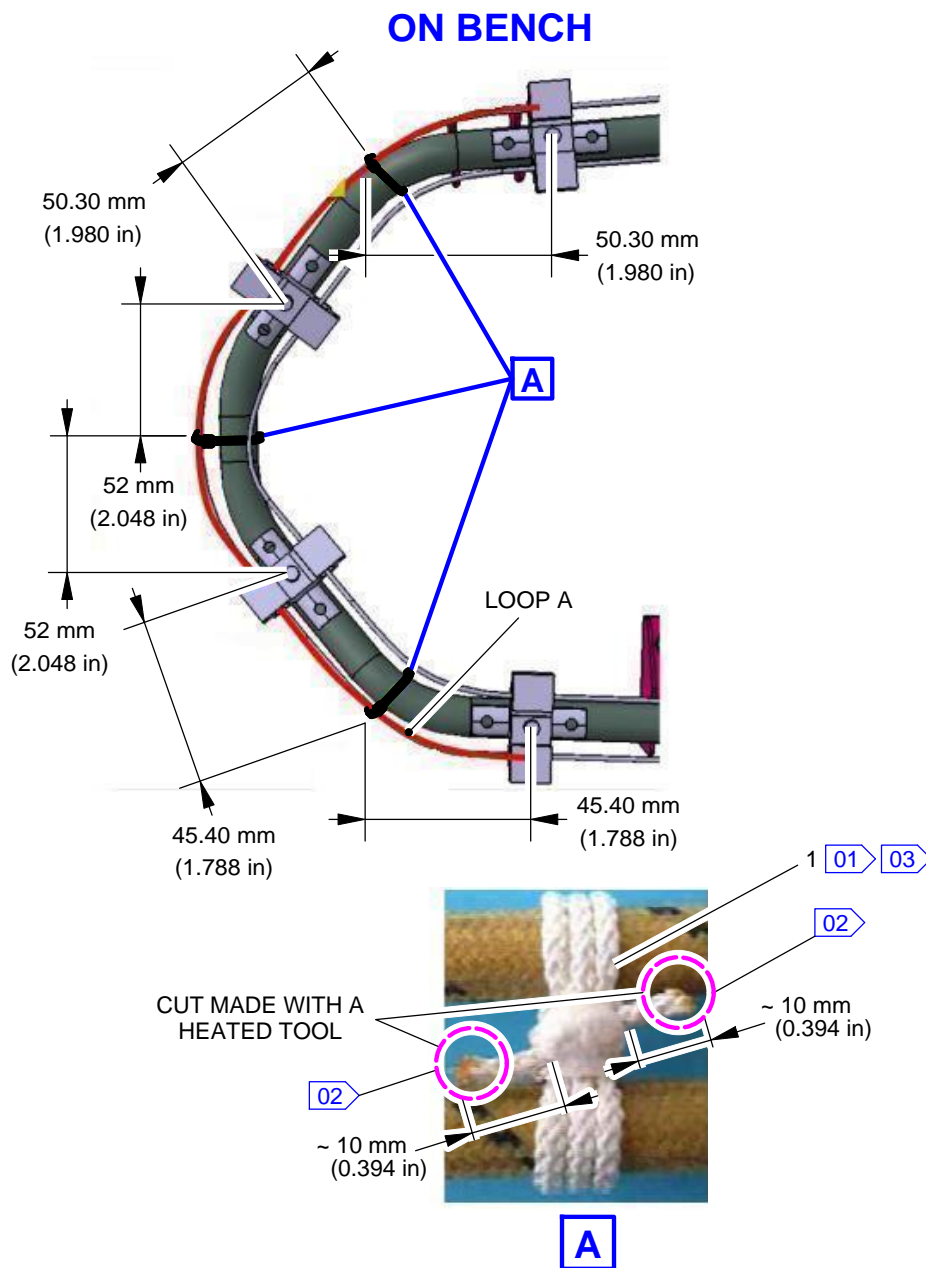
Silicone Adhesive 06CCD1
Sealant - High Temp.
Area One part paste

AIRBUS

A318/A319/A320/A321

SERVICE BULLETIN

CONF ALL



NOTE:

THE GIVEN DIMENSIONS ARE FOR INFORMATION ONLY.

- [01] WHILE INSTALLATION OF LACING TAPE, ITEM 1, PUT THE KNOT IN BETWEEN THE CENTER OF THE METALLIC CLAMPS. EACH KNOT HAS A MARGIN TOLERANCE OF ± 5 mm (± 0.197 in).
- [02] USE HEATED TOOL TO REMOVE UNWANTED LACING TAPE, ITEM 1, REFER TO ESPM 20-33-44. MAXIMUM CORD LENGTH FROM THE KNOT SHOULD BE 10 mm (0.394 in).
- [03] APPLY PRIMER AND ADHESIVE SEALANT ON EACH KNOT AND AT THE KNOT END, MATERIAL No 06CDD1 AND MATERIAL No 06CCD1 RESPECTIVELY.

ICN-A320-A-26XX1124-A-FAPE3-02FUR-A-002-01

Figure ICN-A320-A-26XX1124-A-FAPE3-02FUR-A-002-01 Fig.BD Sol.AA SHEET 1/1

(5) Task A320-A-26-XX-1124-07001-720A-A (A320-A-26-XX-1124-07ZZZ-720Z-A)
Install the Pylon Fire-Detector Ramp-Assembly, LH Side

Job Set-Up Information

Working Area

Impacted Zone	Access / Work Location
415	

Manpower/Resources/Skills

Man-hours	0.50 h
Minimum Number of person	1
Elapsed Time	0.50 h
Skills	Airframe

Referenced Information

Manuals/Drawings	References/Sheets
AMM	06-20-00, Page Block 001 Task 26-12-16-400-802
ESPM	20-54-50
SRM	51-42-00

Procedure

(a) Standard practices given in this procedure:

- 1 For the identification of zones, refer to Ref. AMM 06-20-00, Page Block 001.
- 2 Remove and install fasteners in accordance with Ref. SRM 51-42-00.
- 3 For the protection of the connectors, contacts and terminals, refer to Ref. ESPM 20-54-50.

CAUTION: DO NOT USE ELECTRICAL OR PNEUMATIC TOOLS TO LOOSEN OR TIGHTEN THE QUARTER-TURN FASTENER ON THE FIRE DETECTOR CLAMP. ONLY USE A MANUAL SCREWDRIVER. ELECTRICAL OR PNEUMATIC TOOLS WILL CAUSE THE FASTENER TO TURN TOO MUCH AND POSSIBLY TO BREAK.

CAUTION: DO NOT BEND THE MANIFOLD OF THE SENSING ELEMENT. IF YOU BEND IT, YOU CAN CAUSE DAMAGE TO THE WELDING.

(b) Install the pylon fire-detector ramp-assembly, refer to Ref. AMM Task 26-12-16-400-802:

1 RAMP ASSY Retained

NOTE: You must re-use the retained bolts QTY 7 and washers QTY 7 for the installation procedure.

(6) Task A320-A-26-XX-1124-08001-720A-A (A320-A-26-XX-1124-08ZZZ-720Z-A)
Install the Pylon Fire-Detector Ramp-Assembly, RH Side

AIRBUS

A318/A319/A320/A321

SERVICE BULLETIN

Job Set-Up Information

Working Area

Impacted Zone	Access / Work Location
425	

Manpower/Resources/Skills

Man-hours	0.50 h
Minimum Number of person	1
Elapsed Time	0.50 h
Skills	Airframe

Referenced Information

Manuals/Drawings	References/Sheets
AMM	06-20-00, Page Block 001 Task 26-12-16-400-802
ESPM	20-54-50
SRM	51-42-00

Procedure

- (a) Standard practices given in this procedure:

- 1 For the identification of zones, refer to Ref. AMM 06-20-00, Page Block 001.
- 2 Remove and install fasteners in accordance with Ref. SRM 51-42-00.
- 3 For the protection of the connectors, contacts and terminals, refer to Ref. ESPM 20-54-50.

CAUTION: DO NOT USE ELECTRICAL OR PNEUMATIC TOOLS TO LOOSEN OR TIGHTEN THE QUARTER-TURN FASTENER ON THE FIRE DETECTOR CLAMP. ONLY USE A MANUAL SCREWDRIVER. ELECTRICAL OR PNEUMATIC TOOLS WILL CAUSE THE FASTENER TO TURN TOO MUCH AND POSSIBLY TO BREAK.

CAUTION: DO NOT BEND THE MANIFOLD OF THE SENSING ELEMENT. IF YOU BEND IT, YOU CAN CAUSE DAMAGE TO THE WELDING.

- (b) Install the pylon fire-detector ramp-assembly, refer to Ref. AMM Task 26-12-16-400-802:

1 RAMP ASSY Retained

NOTE: You must re-use the retained bolts QTY 7 and washers QTY 7 for the installation procedure.

D. PREPARATION FOR TEST

- (1) Task A320-A-26-XX-1124-01001-92AA-A (A320-A-26-XX-1124-01ZZZ-92AZ-A)
Preparation for Test

Job Set-Up Information

Manpower/Resources/Skills

Man-hours	0.10 h
Minimum Number of person	1

Elapsed Time	0.10 h
---------------------	--------

Referenced Information

Manuals/Drawings	References/Sheets
AMM	Task 26-12-16-400-802

Procedure

- (a) Remove the safety clips and tags and close the circuit breakers as specified after the installation of the pylon fire-detector ramp-assembly, refer to Ref. AMM Task 26-12-16-400-802.

E. TEST

- (1) Task A320-A-26-XX-1124-01001-345A-A (A320-A-26-XX-1124-01ZZZ-345Z-A) Test**

Job Set-Up Information

Manpower/Resources/Skills

Man-hours	1.00 h
Minimum Number of person	4
Elapsed Time	0.25 h

Referenced Information

Manuals/Drawings	References/Sheets
AMM	Task 26-12-16-400-802

Procedure

- (a) Do the test as specified after installation of the pylon fire-detector ramp assembly, refer to Ref. AMM Task 26-12-16-400-802.

F. CLOSE-UP

- (1) Task A320-A-26-XX-1124-01001-740A-A (A320-A-26-XX-1124-01ZZZ-740Z-A) Close-up**

Job Set-Up Information

Manpower/Resources/Skills

Man-hours	4.00 h
Minimum Number of person	2
Elapsed Time	2.00 h

Referenced Information

Manuals/Drawings	References/Sheets
AMM	Task 26-12-16-400-802

Procedure

WARNING: YOU MUST DEACTIVATE THE THRUST REVERSER BEFORE YOU DO WORK ON OR AROUND IT. IF YOU DO NOT, THE THRUST REVERSER CAN OPERATE ACCIDENTALLY AND CAUSE AN INJURY AND/OR DAMAGE.

CAUTION: DO NOT USE ELECTRICAL OR PNEUMATIC TOOLS TO LOOSEN OR TIGHTEN THE QUARTER-TURN FASTENER ON THE FIRE DETECTOR CLAMP. ONLY USE A MANUAL SCREWDRIVER. ELECTRICAL OR PNEUMATIC TOOLS WILL CAUSE THE FASTENER TO TURN TOO MUCH AND POSSIBLY TO BREAK.

CAUTION: DO NOT BEND THE MANIFOLD OF THE SENSING ELEMENT. IF YOU BEND IT, YOU CAN CAUSE DAMAGE TO THE WELDING.

- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (b) Do the close-up procedure as specified in the installation of the pylon fire detector ramp-assembly, refer to Ref. AMM Task 26-12-16-400-802.
- (c) Put the aircraft back to its initial configuration.

G. ADMINISTRATIVE

(1) Task A320-A-26-XX-1124-01001-90AA-A (A320-A-26-XX-1124-01ZZZ-90AZ-A) Administrative

Procedure

Confirm in the applicable aircraft records that you have completed all the work defined in this Service Bulletin task set as required.

APPENDIX

A. MANPOWER GANTT CHART

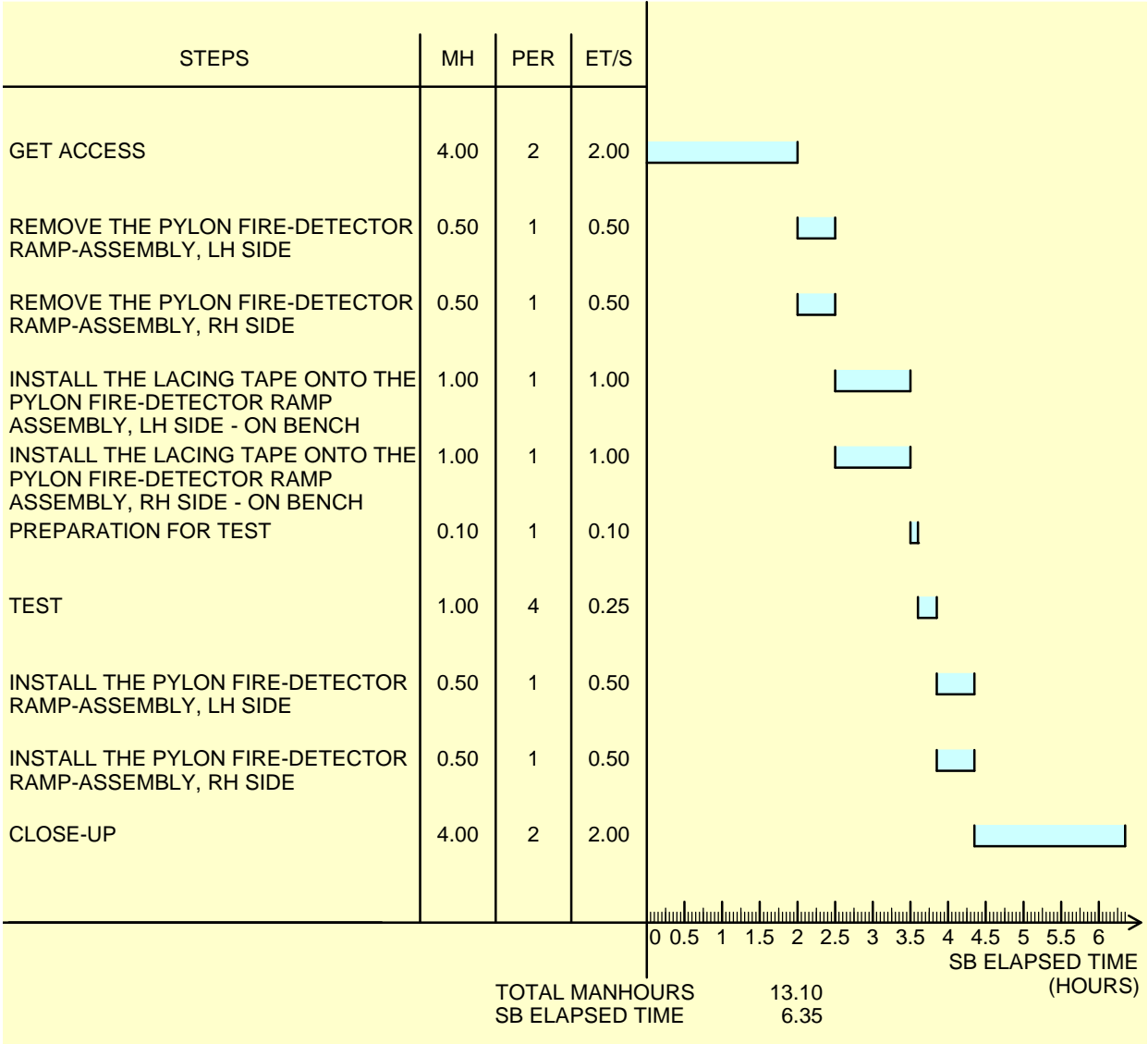
Manpower Gantt Chart

For an explanation of the man-hours and elapsed time, refer to the next page(s).

CONF ALL

ELAPSED TIME ASSUMPTION SERVICE BULLETIN No A320-26-1124

01
02



NOTE:
01 THIS CHART IS ONLY A PROPOSAL. OPERATORS MAY DETERMINE THAT ANOTHER WAY TO DO THE WORK IS MORE SUITABLE FOR THEM.
02 IF A VSB IS INVOLVED, THE ASSOCIATED MANHOURS ARE NOT REFLECTED IN THIS GANTT CHART.
ICN-A320-A-26XX1124-A-FAPE3-02FUT-A-002-01

MH : MANHOURS
PER: NUMBER OF PERSONS
ET/S: ELAPSED TIME PER STEP



A318/A319/A320/A321
SERVICE BULLETIN
APPENDIX

B. GLOSSARY

Glossary

ACRONYM	FULL FORM
ENG	Engine
LH	Left Hand
MSN	Manufacturer Serial Number
NEO	New Engine Option
PW	Pratt and Whitney
QTY	Quantity
RH	Right Hand



A318/A319/A320/A321

SERVICE BULLETIN

APPENDIX

C. REPORTING SHEET

TITLE:	FIRE PROTECTION - DETECTION - ADD LACING TAPE ON DETECTION RAMP
MODIFICATION No.:	171160P22170

(1) **SB Reporting status**

This Service Bulletin will only be incorporated into affected customized Maintenance and Flight Operations Products if it is duly reported to Airbus.

(2) **GENERAL information**

The SB Reporting policy is published in ISI 00.00.00135. This document provides information regarding: the SB Reporting means and benefits, the update of customized Maintenance Products and customized Flight Operations Products.

If this Service Bulletin has an operational impact, refer to paragraph "Flight Operations Products" for further information on the update of affected Flight Operations Products.

(3) **SB Reporting procedure**

Standard practice to report SB is to use the online reporting application on AirbusWorld.

Refer to ISI 00.00.00179:

- For complete information on reporting means to Airbus, Question 2 "What are the standard practices for SB Reporting?"
- If this SB requires previous or simultaneous accomplishment of other SBs, Question 3 "What about the reporting of prerequisite Service Bulletins?"

NOTE: ISI 00.00.00179 covers all the frequently asked questions about SB Reporting. It is revised on a regular basis.



A318/A319/A320/A321

SERVICE BULLETIN

APPENDIX

D. QUALITY PERCEPTION FORM

Use this form to tell us what is your perception of the quality of this Service Bulletin.

The reported data that you provide us will be used to analyse areas of difficulties and to take corrective action to further improve the quality of our Service Bulletin.

We thank you for the time you have taken in completing this form.

Quality rating of this SB	4	3	2	1
Quality rating of the Accomplishment Instructions	4	3	2	1
Quality rating of the Illustrations	4	3	2	1
Is this SB easy to understand ?	Y / N			

NOTE: Please rate on a scale of 1 to 4, with 4 being the highest score

If you have difficulties in the accomplishment of this SB please quote below the area(s) and give a short description of the issue.

	Planning		Material		Instructions
X	Applicability	X	Tooling	X	Preparation
X	Reason	X	List of Materials Operator Supplied	X	Mod/Inspection
X	Manpower	X	Kit content	X	Test
X	References	X	Re-identification	X	Close-up
X	Publication			X	Illustrations
X	Industry Support				

Comments :

Operator :

Date :

Name/Title

Please return this form to :

AIRBUS
2, ROND POINT EMILE DEWOITINE
31700 BLAGNAC
FRANCE

Or via your Resident Customer Support Office.