



SERVICE BULLETIN

POWER PLANT - NACELLE - POWERPLANT - CORE FIRE DETECTOR - REWORK - CATEGORY CODE 7 -
MOD.NAC-71-0145

1. Planning InformationA. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: Nacelle: V2500-A1 Engine Buildup Units prior to Serial Number 277

B. Reason

(1) Condition

The No.4 bearing scavenge tube is re-routed to avoid interference with the hold open rod of the left cowl (Ref. Service Bulletin V2500-ENG-79-0035). The impact of this re-route is to cause the core fire detector to be moved axially rearwards.

(2) Background

Not applicable.

(3) Objective

Not applicable.

(4) Substantiation

Not applicable.

(5) Effect of Bulletin on:

(a) Removal/Installation	Affected
(b) Disassembly/Assembly	Not affected
(c) Cleaning	Not affected
(d) Inspection/Check	Not affected
(e) Repair	Not affected
(f) Testing	Not affected

(6) Supplemental Information

Service Bulletin V2500-ENG-79-0035 requires to be incorporated concurrently with Service Bulletin V2500-NAC-71-0145.

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**C. Description**

(1) The change introduced by this Service Bulletin is as follows:-

- (a) The core fire detector is installed. The new configuration introduces new clipping points CP5927, CP5928 and CP5929
- (b) A replacement bracket is introduced to support clipping point CP5500.
- (c) A new bracket is introduced to support clipping points CP5928 and CP5929.
- (d) Clipping points CP5720, CP5721, CP5722, CP5800 and CP5801 are made redundant.
- (e) A new clamp is also introduced in support of clipping point CP5222. Refer to Service Bulletin V2500-ENG-79-0035.

D. Approval

The technical content of this Service Bulletin is covered by an Airbus Industrie Modification No. which is under DGAC (Direction Generale de L'Aviation Civile - France) approval.

E. Compliance

Category 7

Accomplish when supply of superceded parts has been depleted.

F. Manpower

Estimated manhours to incorporate the full intent of this Service Bulletin:

VENUE	ESTIMATED MANHOURS
(1) At Overhaul	1.5
Total	1.5 M/Hrs

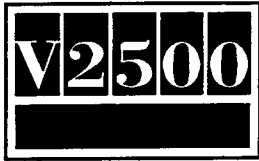
G. Material Cost and Availability

Modification Kit not required. Refer to Section 3, Material Information for information regarding availability of parts.

H> Tooling - Cost and Availability

None required.

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I. Weight and Balance

- (1) Weight change.....None
- (2) Moment arm.....No effect
- (3) Datum.....Engine Front Mount Centerline
(Powerplant Station PPS 100.00)

J. Electrical Load Data

Not affected.

K. References

- (1) Internal Reference No.

92VR353

L. Other Publications Affected

Publication	Chapter/Section
V2500 Powerplant Illustrated Parts Catalog	72-52-41 75-22-49 26-12-17
V2500 Engine Illustrated Parts Catalog	71-52-41 75-22-49 26-12-17



2. Accomplishment Instructions

A. Rework or Modification Instructions

- (1) Remove the two 4W0167 Bolts and one SP123E washer to release the 740-5034-505 bracket from the No. 4 Bearing compartment (Refer to Figures 1 and 2).
- (2) Install the 740-5286-501 bracket as shown , with the two 4W0167 Bolts and SP123E washer (the washer to be put below the bracket). Torque the bolts to between 75 and 85 lb in (8.5 to 9.5 Nm)
- (3) Install the 740-5287-501 bracket to the 740-5032-503 support tube as shown with two AS21418 bolts, two AS20624 nuts and two SP155D washers. Torque the nuts to 40 lb in (4.5 Nm). Refer to Figure 4.

B. Installation Instructions

- (1) Put the core fire detector with attached support tube onto the engine (Refer to figure 1).

NOTE: Clipping point CP5723 on the core overheat detector is installed by Service Bulletin V2500-ENG-79-0035

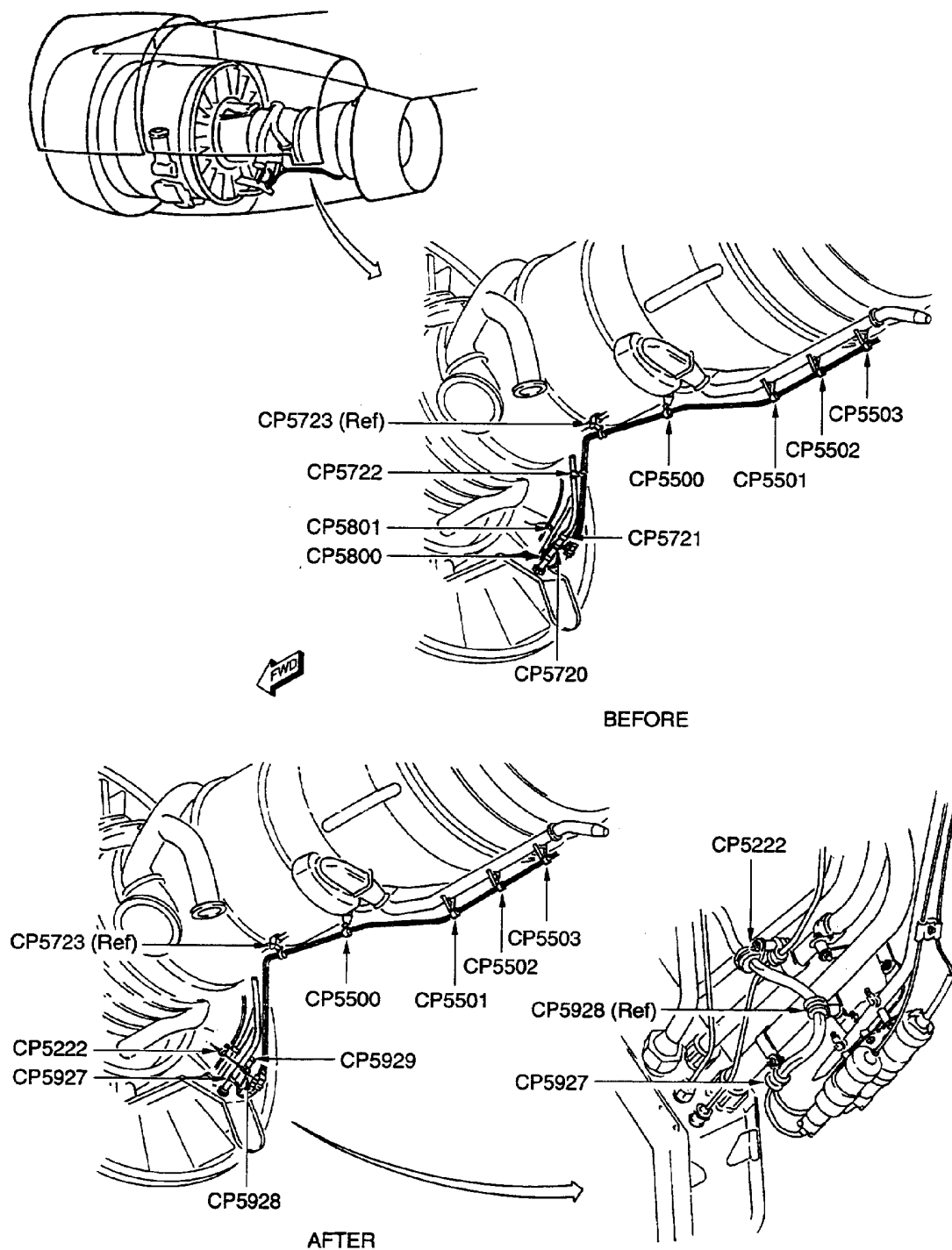
- (2) Attach the Detector Assy to the 6A5367 tube at CP5929 with an AS21408 Bolt, AS20624 Nut, and an SP155D Washer (Refer to Figure 4).
- (3) Attach the Detector Assy to 740-5286-501 bracket at CP5500 with the AS21408 Bolt, AS20624 Nut and SP155D Washer. (Refer to figure 1)
- (4) Attach the Detector Assy at CP5503 to the 740-5035-501 bracket with the AS21408 Bolt, AS20624 Nut and SP155D Washer (Refer to figure 2).
- (5) Attach the Detector Assy at CP5502 to the 740-5035-501 bracket with the AS21408 Bolt, AS20624 Nut and SP155D Washer.
- (6) Attach the Detector Assy at CP5501 to the 740-5035-501 bracket with the AS21408 Bolt, AS20624 Nut and SP155D Washer.
- (7) Assemble clipping point CP5928 to the 740-5287-501 bracket as shown with the TA025074-03 clamp, AS20624 nut, SP155D washer, AS21428 bolt, ST1698D48 spacer and ST1698D50 spacer (Refer to figure 4).
- (8) Assemble clipping point CP5927 as shown with the AS20624 nut, AS21408 bolt, SP154D washer and TA025074-03 clamp.
- (9) Attach the Cabin Services and Nacelle Temperature Harness at clipping point CP5222 with the TA025074-03 clamp.
- (10) Torque the nuts in steps (2) thru (8) to 40 lb in (4.5 Nm).

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C. Recording Instructions

- (1) A record of accomplishment is necessary.



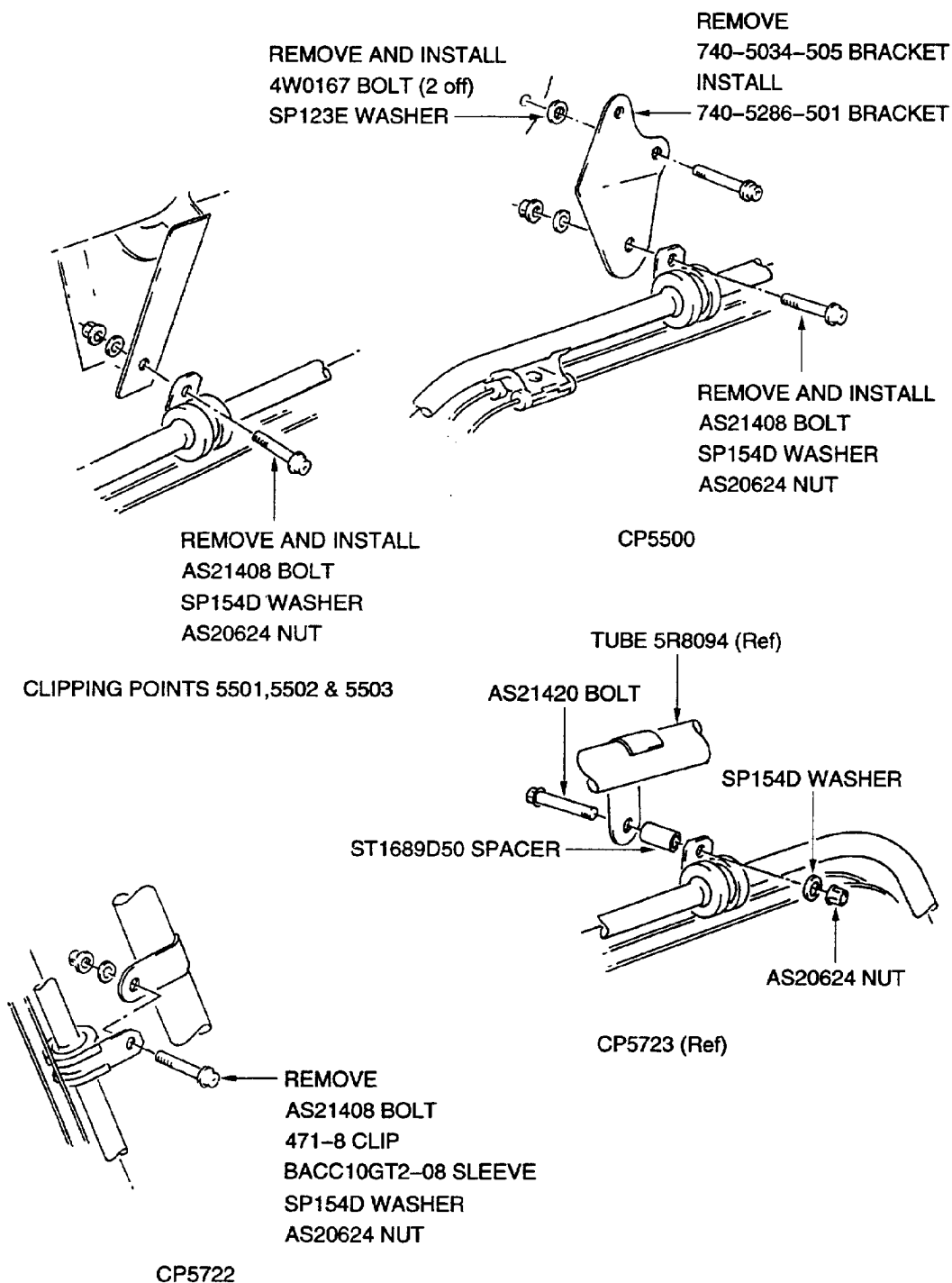
ROUTING OF THE CORE FIRE DETECTOR (Before and after)
Fig.1

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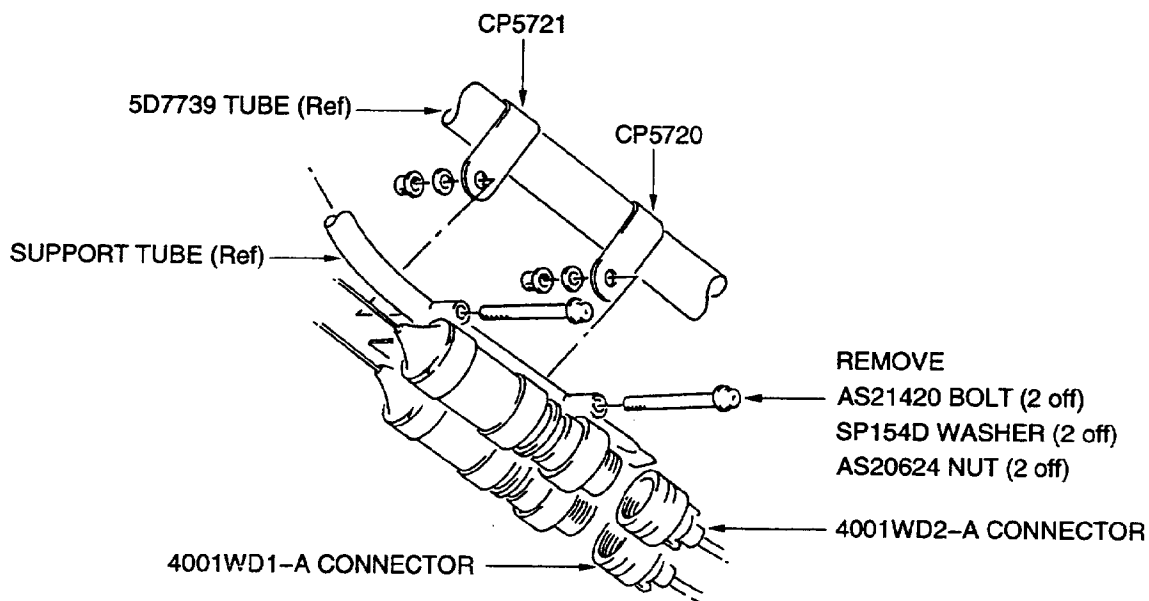


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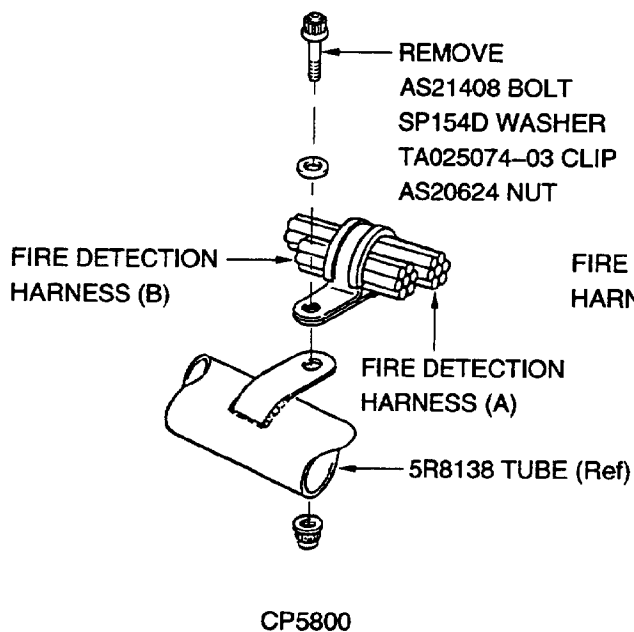
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CLIPPING OF CORE FIRE DETECTOR (Before and after)
Fig.2

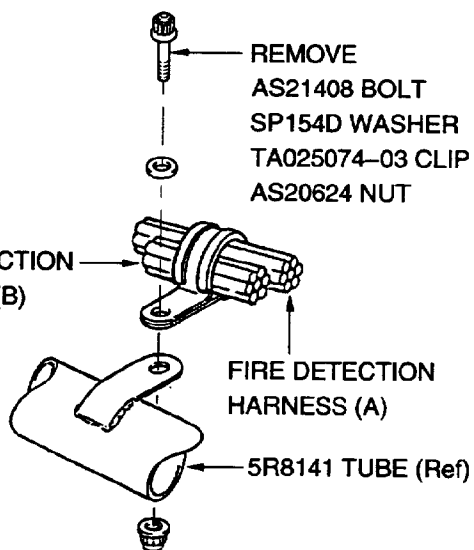
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CLIPPING POINTS 5720 & 5721



CP5800



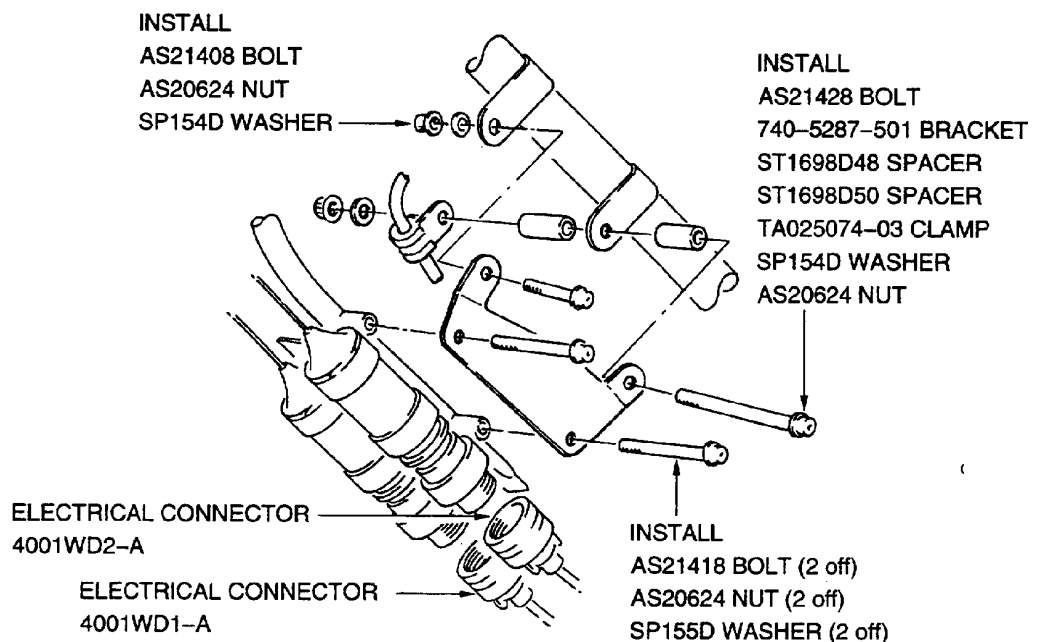
CP5801

CLIPPING OF CORE FIRE DETECTOR (Before)
Fig.3

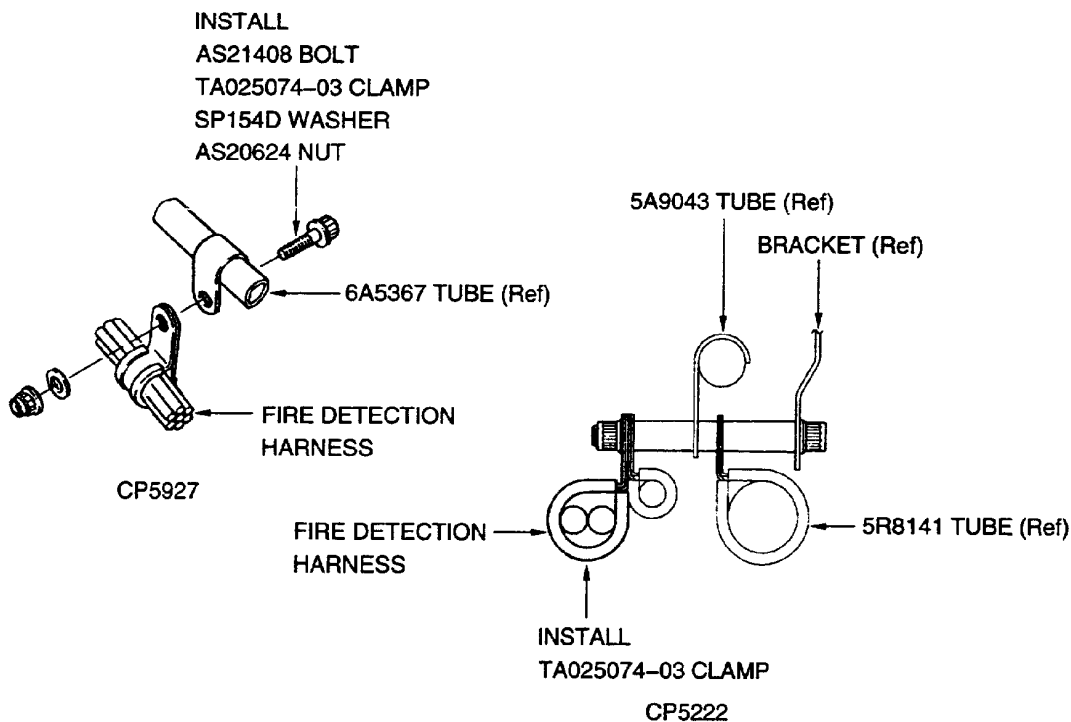
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CLIPPING POINTS 5929 & 5928



CLIPPING OF CORE FIRE DETECTOR (After)
Fig.4

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3. Material Information

NEW PART No (ATA No)	QTY	EST'D UNIT PRICE (\$)	KEYWORD	OLD PART No (IPC No)	INSTR/ DISPOS
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Applicability: For each V2500 Nacelle to incorporate this Bulletin.

A. Kits associated with this Bulletin

None.

B. Parts affected by this Bulletin

---	1	Bolt, CP5722	AS21408	(2D)
(26-12-17)			(01-164)	
---	1	Clip, CP5722	471-8	(1D)
(26-12-17)			(01-165)	
---	1	Sleeve, CP5722	BACC10GT2-08	(1D)
(26-12-17)			(01-166)	
---	1	Washer, CP5722	SP155D	(2D)
(26-12-17)			(01-167)	
---	1	Nut, CP5722	AS20624	(2D)
(26-12-17)			(01-169)	
---	1	Bolt, CP5721	AS21420	(2D)
(26-12-17)			(01-172)	
---	1	Washer, CP5721	SP155D	(2D)
(26-12-17)			(01-172)	
---	1	Nut, CP5721	AS20624	(2D)
(26-12-17)			(01-175)	
---	1	Bolt, CP5720	AS21420	(2D)
(26-12-17)			(01-172)	
---	1	Washer, CP5720	SP155D	(2D)
(26-12-17)			(01-181)	
---	1	Nut, CP5720	AS20624	(2D)
(26-12-17)			(01-183)	
740-5287-501	1	Bracket, CP5928,	---	(A)(S1)
(26-12-17)		CP5929	(01-190)	
AS21418	1	Bolt, CP5928	---	(A)(S1)
(26-12-17)			(01-192)	
SP155D	1	Washer, CP5928	---	(A)(S1)
(26-12-17)			(01-194)	
4W0001	1	Nut, CP5928	---	(A)(S1)
(26-12-17)			(01-196)	
AS21428	1	Bolt, CP5928	---	(A)(S1)
(26-12-17)			(01-198)	
ST1698D50	1	Spacer 20mm, CP5928	---	(A)(S1)
(26-12-17)			(01-200)	
ST1698D48	1	Spacer 10mm, CP5928	---	(A)(S1)
(26-12-17)			(01-202)	

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TA025074-03	1	Clamp, Loop, CP5928	---	(A)(S1)
(26-12-17)			(01-204)	
SP155D	1	Washer, CP5928	---	(A)(S1)
(26-12-17)			(01-206)	
4W0001	1	Nut, CP5928	---	(A)(S1)
(26-12-17)			(01-208)	
AS21418	1	Bolt, CP5929	---	(A)(S1)
(26-12-17)			(01-210)	
SP155D	1	Washer, CP5929	---	(A)(S1)
(26-12-17)			(01-212)	
4W0001	1	Nut, CP5929	---	(A)(S1)
(26-12-17)			(01-214)	
4W0103	1	Bolt, CP5929	---	(A)(S1)
(26-12-17)			(01-216)	
SP155D	1	Washer, CP5929	---	(A)(S1)
(26-12-17)			(01-218)	
4W0001	1	Nut, CP5929	---	(A)(S1)
(26-12-17)			(01-220)	
---	1	Clamp, Loop, CP5801	TA025074-03	(2D)
(71-52-41)			(01-171)	
---	1	Bolt, CP5801	AS21411	(2D)
(71-52-41)			(01-166)	
---	1	Washer, CP5801	SP154D	(2D)
(71-52-41)			(01-168)	
---	1	Spacer 5mm, CP5801	ST1698D47	(2D)
(71-52-41)			(01-169)	
---	1	Clamp, Loop, CP5801	TA025074-03	(2D)
(71-52-41)			(01-171)	
---	1	Nut, CP5801	AS20624	(2D)
(71-52-41)			(01-173)	
---	1	Bolt, CP5800	AS21408	(2D)
(71-52-41)			(01-174)	
---	1	Washer, CP5800	SP154D	(2D)
(71-52-41)			(01-176)	
---	1	Clamp, Loop, CP5800	TA025074-03	(2D)
(71-52-41)			(01-179)	
---	1	Nut, CP5800	AS20624	(2D)
(71-51-41)			(01-181)	
4W0103	1	Bolt, CP5927	---	(A)(S1)
(71-52-41)			(01-244)	
SP154D	1	Washer, CP5927	---	(A)(S1)
(71-52-41)			(01-246)	
4W0001	1	Nut, CP5927	---	(A)(S1)
(71-52-41)			(01-248)	
TA025074-03	1	Clamp, Loop, CP5927	---	(A)(S1)
(71-52-41)			(01-250)	
740-5286-501	1	Bracket, CP5500	740-5034-505	(A)(2D)
(75-22-49)			(10-060)	(S1)
TA025074-03	1	Clamp, CP5222	---	(A)(S1)
(71-52-41)			(01-240)	

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C. Instructions/Dispositions Code Statements

- (A) New part currently available.
- (1D) Discard old part.
- (2D) Old part can be used up on other applications.
- (S1) New parts must be fitted as a set.