



**International  
Aero Engines**

V2500 Propulsion System — Nacelle

# **SERVICE BULLETIN**

NACELLE – HYDRAULIC POWER – LOW PRESSURE (LP) HYDRAULIC SWITCH –  
INSTALLATION OF ANCHOR TABS AND LOCKING WIRE

## MODEL APPLICATION

V2500-A1  
V2522-A5  
V2524-A5  
V2527-A5  
V2527E-A5  
V2527M-A5  
V2530-A5  
V2533-A5

## BULLETIN INDEX LOCATOR

29-00-00

## COMPLIANCE CATEGORY CODE

6

## INTERNAL REFERENCE No

MM/PM 00VN200A

December 6, 2000

# **V2500-NAC-29-0262**

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1. Planning Information

A. Effectivity

(1) Aircraft:

- (a) Airbus A319
- (b) Airbus A320
- (c) Airbus A321

(2) Nacelle:

- (a) All V2500-A1 Engine Buildup Units.
- (b) All V2522-A5 Engine Buildup Units - prior to 0800001.
- (c) All V2524-A5 Engine Buildup Units - prior to 0800001.
- (d) All V2527-A5 Engine Buildup Units - prior to 0800001.
- (e) All V2527E-A5 Engine Buildup Units - prior to 0800001.
- (f) All V2530-A5 Engine Buildup Units - prior to 0800001.
- (g) All V2533-A5 Engine Buildup Units - prior to 0800001.

B. Concurrent Requirements

None.

C. Reason

(1) Condition

The LP Hydraulic Switch can become loose due to the effects of the hydraulic pump ripple.

(2) Background

There have been several reports from Operators of the LP Hydraulic Switch becoming loose.

(3) Objectives

To introduce Anchor Tabs to the Hydraulic System to facilitate the wire locking of the LP Hydraulic Switch and so maintain engine reliability.

(4) Substantiation

Not Applicable.



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(5) Effect of Bulletin on:

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

(6) Supplemental Information

None.

D. Description

(1) The changes introduced by this Service Bulletin are as follows:

- Two Bolts that secure the LP Hydraulic Switch to the Raft Assembly are removed.
- The LP Hydraulic Switch is secured to the Raft Assembly with the two Bolts and two new Anchor Tabs.
- The Flareless Union of the LP Hydraulic Switch is wire locked to the nearest of the two Anchor Tabs.

E. Approval

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

F. Compliance

Category 6

Accomplish when the subassembly (i.e modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected part and to all affected spare parts.

G. Manpower

Estimated man-hours to incorporate the intent of this Service Bulletin on each engine:

VENUE

ESTIMATED MAN-HOURS

(1) At Overhaul

0.25 M/Hr

Total 0.25 M/Hr

NOTE: Manhours are provided for planning purposes only. No labor reimbursement is provided under the terms of this service bulletin offering.

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## H. Material Cost and Availability

Modification Kit not required. Parts to be procured individually.

## I. Tooling - Cost and Availability

None.

## J. Weight and Balance

Not Affected.

## K. Electrical Load Data

Not Affected.

## L. References

<u>Publication</u>	<u>Chapter/Section</u>
SPP-V2500-11A Standard Practices/Processes Manual	70-41-00
	70-42-05
IAE PCI-V2500-11A Overhaul Processes And Consumable Index	Section II

## M. Other Publications Affected

<u>Publication</u>	<u>Chapter/Section</u>
A320/V2500-A1 Engine Illustrated Parts Catalog	29-11-17
A319/A320/A321/V2500-A5 Engine Illustrated Parts Catalog – all variants	29-11-17
A320/V2500-A1 Powerplant Illustrated Parts Catalog	29-11-17
A319/A320/A321/V2500-A5 Powerplant Illustrated Parts Catalog– all variants	29-11-17
A320/V2500 Power Plant Buildup Manual (PPB-V2500-2IA)	71-00-02



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## 2. Accomplishment Instructions

### A. Pre-requisite Instructions

None.

### B. Rework Instructions

- (1) Remove the two AS21409 Bolts from the Raft Assembly. Refer to Figure 1.

**WARNING:** CoMat 01-076 SOLVENT IS FLAMMABLE AND THE VAPOUR IS HARMFUL. USE IN A WELL VENTILATED AREA. AVOID PROLONGED BREATHING OF VAPOURS OR PROLONGED OR REPEATED CONTACT WITH SKIN. HIGH CONCENTRATIONS MAY CAUSE IMPAIRED JUDGEMENT. PROTECTIVE GLOVES SHOULD BE WORN DURING USE. MAY CAUSE DERMATITIS BY REMOVING SKIN OILS. PRIOR TO USE OF THIS PRODUCT, READ THE "MATERIAL SAFETY DATA SHEET" AND FOLLOW ALL LISTED SAFETY AND HEALTH PRECAUTIONS.

- (2) Use a clean, lint free cloth dampened with CoMat 01-076 Solvent to remove all oil, grease, dirt or other contaminants from the AS21409 Bolts. Wipe the area dry with a clean, lint free cloth before the CoMat 01-076 evaporates.
- (3) Lubricate the threads of the two AS21409 Bolts with Engine Oil (CoMat 10-039 or 10-040).
- (4) Install the two 745-5022-501 Anchor Tabs and AS21409 Bolts to the Raft Assembly. Torque the Bolts to 40 lbf·in (4.52 Nm) as instructed in the SPP-V2500-1IA Standard/Processes Manual, Chapter 70-41-00.

**NOTE:** There are two new Anchor Tabs installed to facilitate the use of Locking Wire. Safety the LP Hydraulic Switch to the nearest of the two Anchor Tabs only.

- (5) Safety the LP Hydraulic Switch Flareless Union to the 745-5022-501 Anchor Tab with CoMat 02-147 Locking Wire. Refer to the SPP-V2500-1IA Standard/Processes Manual, Chapter 70-42-05.

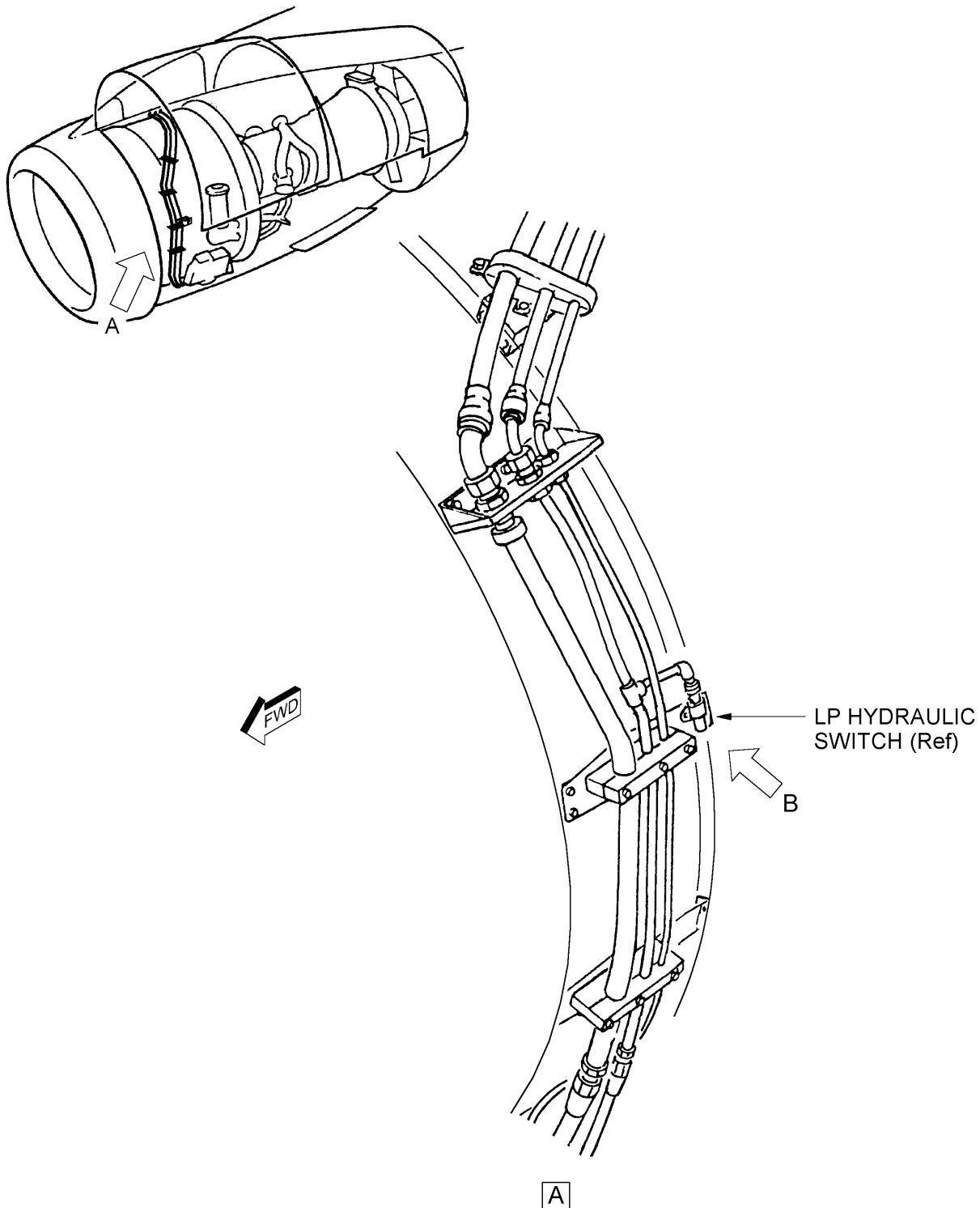
### C. Post-requisite Instructions

None.

### D. Recording Instructions

- (1) A record of accomplishment is necessary. Write in the Engine Log that Service Bulletin V2500-NAC-29-0262 has been done.

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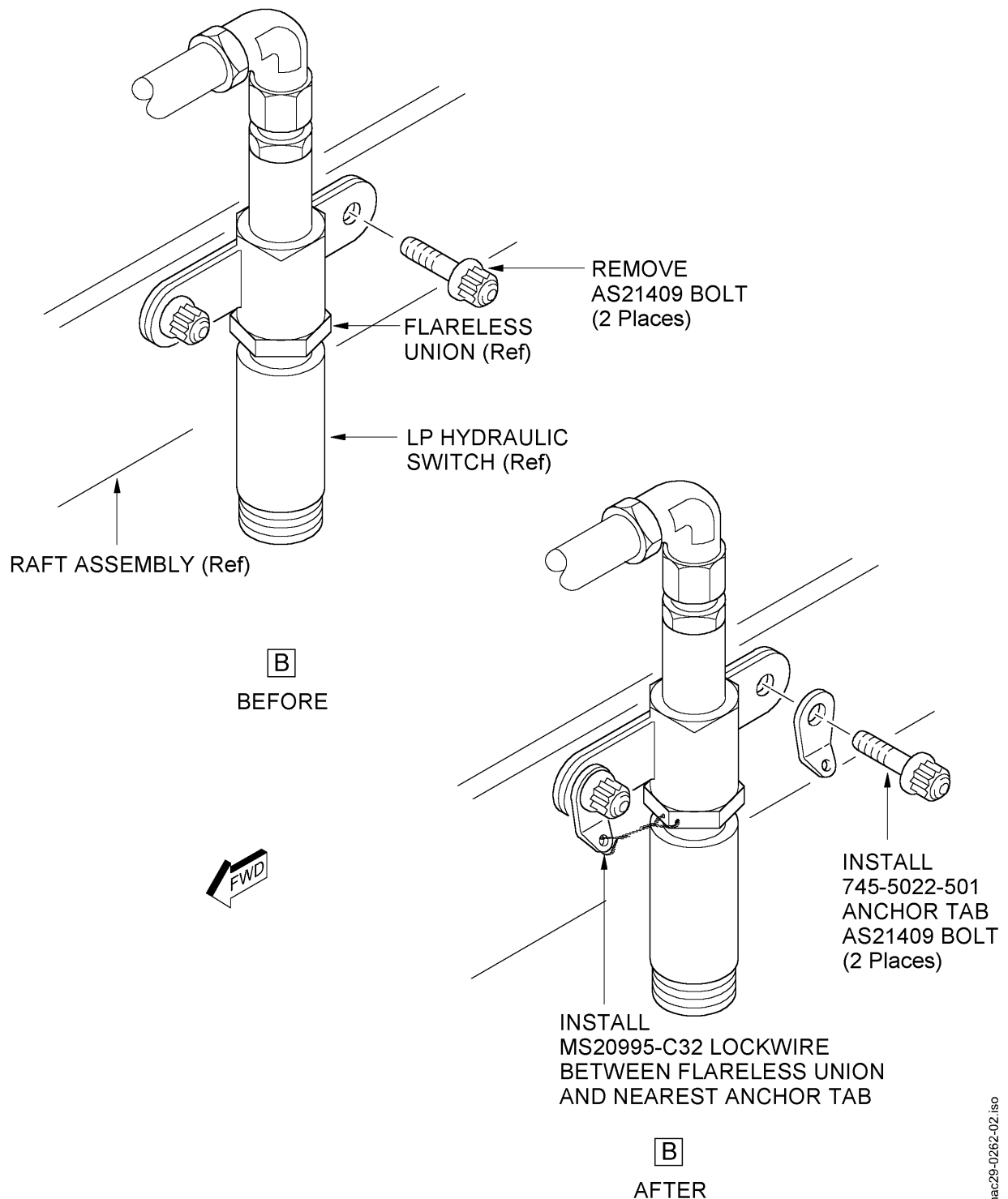


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Installation of the Anchor Tabs and Locking Wire to the LP Hydraulic Switch  
Figure 1, Sheet 1 of 2



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Installation of the Anchor Tabs and Locking Wire to the LP Hydraulic Switch  
Figure 1, Sheet 2 of 2

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## 3. Material information

Applicability: For each V2500-A1 or A5 Nacelle to incorporate this Bulletin.

### A. Kits associated with this Bulletin

None.

### B. Parts affected by this Bulletin

NEW PART No (ATA No)	QTY	EST'D UNIT PRICE (\$)	KEYWORD	OLD PART No (IPC No)	INSTR/ DISPOS
745-5022-501 (29-11-17)	2	\$50.00	.Anchor Tab	- - - (01-027)	(A)

### C. Instructions/Dispositions Code Statements

(A) New parts will be available February 2001.

**NOTE:** The estimated 2000 unit price shown is provided for planning purposes only and does not constitute a firm quotation. Consult the BF Goodrich Aerospace Price Catalog or contact BF Goodrich Aerospace's Spares Parts Sales Department for information concerning firm prices in this Service Bulletin.

### D. Materials required to incorporate this Bulletin.

CoMat	01-076	Methylethylketone (MEK)
CoMat	02-099	Lint free cloth
CoMat	10-039 or 10-040	Lubricant (Engine Oil)
CoMat	02-147	Locking Wire (MS20995-C32)

**NOTE:** To identify the consumable materials, refer to the Overhaul Processes and Consumable Index PCI-V2500-1IA.