



ENGINE - FUEL AND CONTROL - NACELLE - POWERPLANT - PIPE ASSEMBLY, P2T2 - REPLACEMENT OF
- CATEGORY CODE 7 - MOD.NAC-73-0118

1. Planning Information

A. Effectivity

- (1) Airplane: MD90
- (2) Nacelle: V2500-D5 nose cowls with serial numbers 0009001 through 0013001.

B. Reason

(1) Condition

The nose cowl rigid P2T2 pipe assembly may be difficult to install.

(2) Background

Operators have experienced difficulty installing the rigid P2T2 pipe assembly.

(3) Objective

Make the P2T2 pipe assembly easier to install.

(4) Substantiation

Not applicable.

(5) Impact of the Bulletin on Workshop Procedures:

Removal/Installation	Affected
Disassembly/Assembly	Affected
Cleaning	Not Affected
Inspection/Repair	Not Affected
Repair	Not Affected
Testing	Not Affected

(6) Supplemental Information

None.

C. Description

The change introduced by this Bulletin is as follows:

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Remove the nose cowl rigid P2T2 pipe assembly. Remove one clipping point.
Install the new flexible pipe assembly with one less clip.

D. Approval

The part number changes and/or part modifications described in Paragraphs 2 and 3 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA approved for the equipment model(s) listed.

E. Compliance

Category 7

Accomplish when supply of superseded parts has been depleted.

F. Manpower

Not applicable.

G. Material Cost and Availability

None. Parts are available as single line items.

H. Tooling Cost and Availability

None required.

I. Weight and Balance

- (1) Weight change None
- (2) Moment arm No effect
- (3) Datum Engine Front Mount Centerline
..... (Powerplant Station PPS 185.00)

J. Electrical Load Data

Not affected.

K. Reference

- (1) Internal Reference No.

93VN836
- (2) Other References

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IAE V2500 Standard Practices/Processes Manual (SPP-V2500-1IA) 70-09-00

Overhaul Processes and Consumable Index (PCI-V2500-1IA)

L. Other Publications Affected

MD90/V2500D5 Nose Cowl Component Maintenance Manual (CMM-NC-V2500-3IA)
73-22-48

MD-90 Aircraft Maintenance Manual 71-11-11



2. Accomplishment Instructions

A. Pre-requisite Instructions

- (1) Remove the bolts and the probe access panel. Refer to Figure 1.

B. Rework or Modification Instructions

- (1) Remove the nuts MS21043-3, bolts AS21408, washers AN960C10L, and clips TA027000PH04WC. Discard one nut, one bolt, one washer, and one clip. Refer to Figure 1.
- (2) Remove the pipe assembly 290-3295-501. Refer to Figure 1.
- (3) Remove the two rivets and the 290-3300-501 angle from the 290-3298-501 support bracket.
- (4) Install the pipe assembly AE709614-2 on the aft bulkhead union and the P2T2 sensor union. Torque the coupling nuts to 135-145 lbfin (15.25-16.38 Nm). Refer to Figure 2.
- (5) Attach the pipe assembly to the bracket with the clip TA027000PH04WC, the bolt AS21408, the washer AN960C10L, and the nut MS21043-3. Refer to Figure 2.

C. Post-requisite Instructions

WARNING: JOINTING COMPOUND (04-005) IS CLASSIFIED AS A HAZARDOUS MATERIAL WHICH MAY CAUSE INJURY OR ILLNESS IF NOT PROPERLY USED. THIS PRODUCT SHOULD BE USED ONLY IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFIC SAFETY AND HEALTH RECOMMENDATIONS. PRIOR TO USE OF THIS PRODUCT, CAREFULLY READ THE APPLICABLE "MATERIAL SAFETY DATA SHEET" AND FOLLOW ALL LISTED SAFETY AND HEALTH PRECAUTIONS.

- (1) Install the probe access panel with the bolts. Wet install the bolts with jointing compound (CoMat 04-005). Torque the bolts to 40 lbfin (4.52 Nm). Refer to Figure 2.

D. Recording Instructions

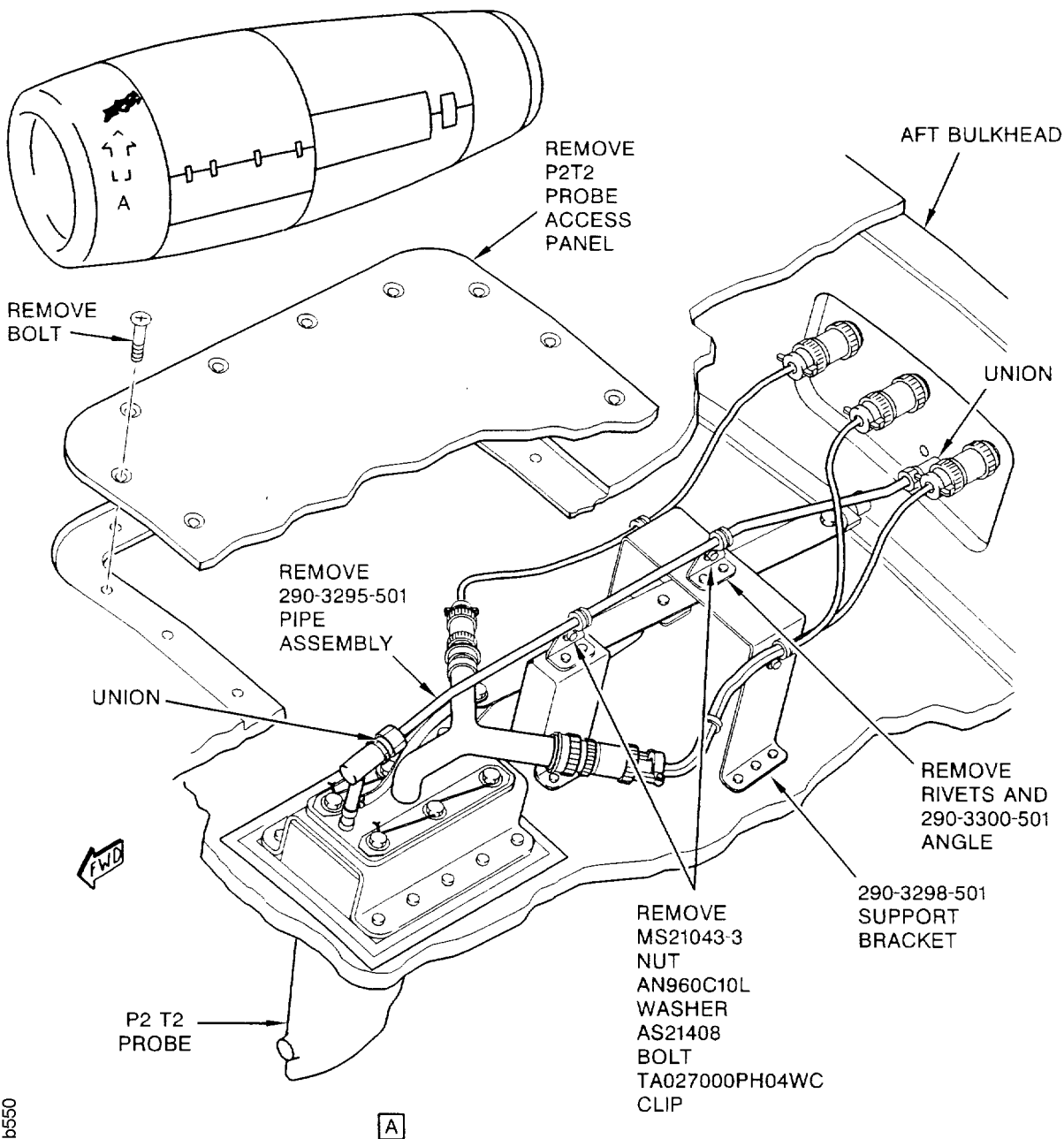
- (1) A record of accomplishment is necessary. Write in the applicable records and metal stamp, electroetch, or vibroetch on the nose cowl data plate that Service Bulletin V2500-NAC-73-0118 has been done. Refer to the IAE V2500 Standard Practices/Processes Manual, Chapter 70-09-00.

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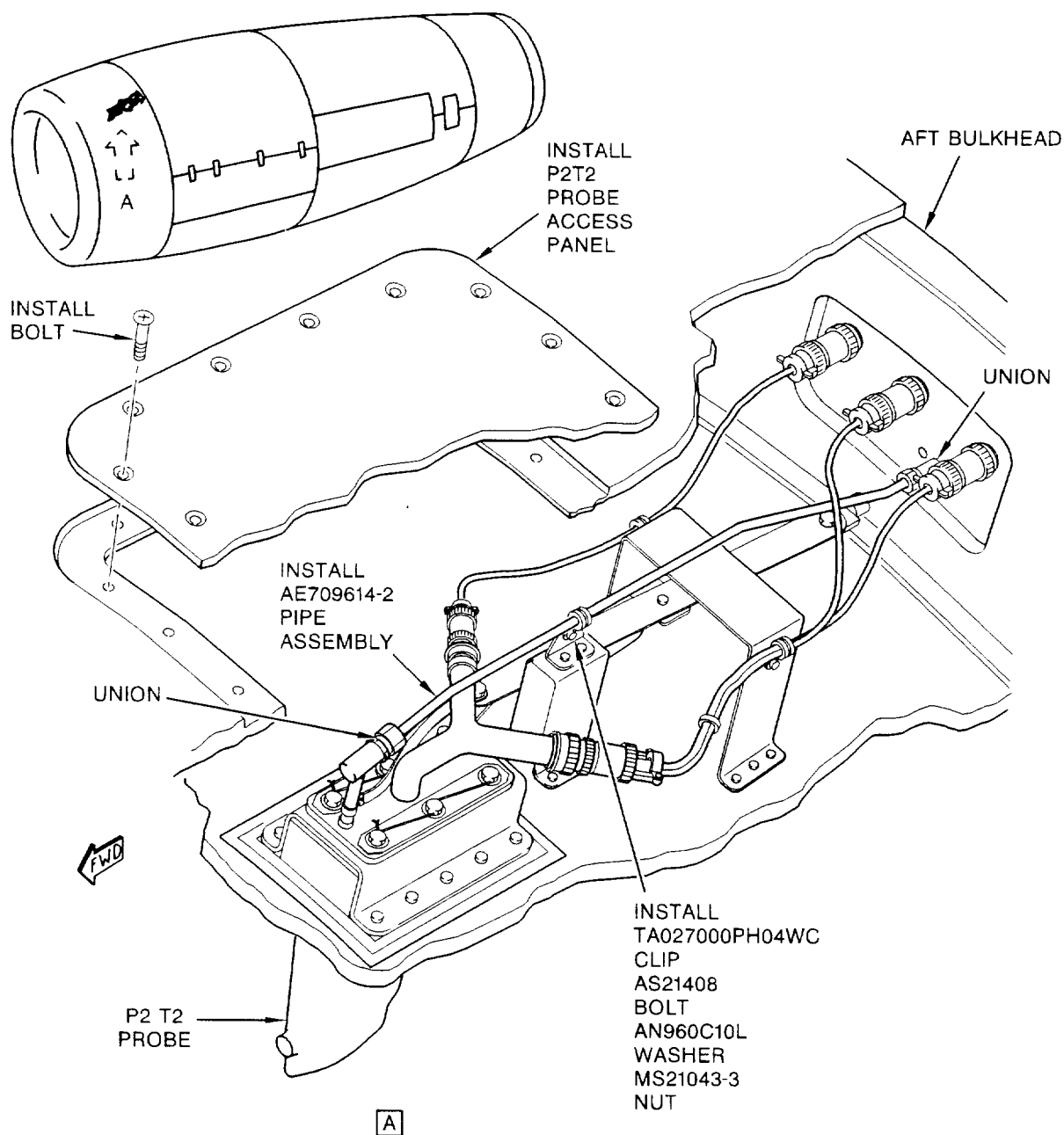
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P2T2 Pipe Assembly Replacement
Fig.1

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P2T2 Pipe Assembly Replacement
Fig.2

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3. Material Information

Applicability: For each V2500-D5 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
AE709614-2 (73-22-48)	1		Pipe Assy	290-3295-501 (05-060)	(A)(B) (1D)
MS21043-3 (73-22-48)	1		Nut	MS21043-3 (05-065)	(C) (1D)
AN960C10L (73-22-48)	1		Washer	AN960C10L (05-070)	(C) (1D)
TA027000PH04WC (73-22-48)	1		Clamp	TA027000PH04WC (05-075)	(C) (1D)
AS21408 (73-22-48)	1		Bolt	AS21408 (05-080)	(C) (1D)

C. Instructions/Disposition Code Statements:

- (A) New part is available
- (B) Old part will no longer be available.
- (C) Quantity has been reduced from 2 to 1 at this location.
- (1D) Retain part for use at other locations.

D. Materials Required to Incorporate This Service Bulletin

CoMat 04-005 Jointing Compound

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

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