IAE Propulsion System
NON-MODIFICATION SERVICE BULLETIN

NACELLE - NOSE COWL - THERMAL ANTI-ICE DUCT INSTALLATION - INSPECTION OF (NON-MODIFICATION)

MODEL APPLICATION

V2500-D5

BULLETIN INDEX LOCATOR

71-00-00

COMPLIANCE CATEGORY CODE
3

INTERNAL REFERENCE No
JG 98VN508

June 28, 1999

V2500-NAC-71-0229

NACELLE - NOSE COWL - THERMAL ANTI-ICE DUCT INSTALLATION -
INSPECTION OF
(NON-MODIFICATION)

1. Planning Information

A. Effectivity

(1) Aircraft: MD-90

(2) Nacelle: All V2500-D5 nose cowls.

B. Reason

(1) To examine the aft bulkhead outer duct pressure sensor and, if the sensor is activated, inspect the forward bulkhead outer duct installation to make sure the installation is still good.

C. Category

Category 3

Accomplish at every "A" check until you incorporate Service Bulletin V2500-NAC-71-0232.

D. Approval

The compliance statement and the procedures described in this service bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA approved for the engine model listed.

E. Manpower

VENUE			ESTIMATED MANHOURS
(1)	In Service – to examine pressure sensor		
(a)	To gain access		0.5 M/Hrs.
(b)	To inspect		0.25 M/Hrs.
(c)	To return to service		0.5 M/Hrs.
		Total	1.25 M/Hrs.

VENUE			ESTIMATED MANHOURS
(1)	In Service – to examine forward bulkhead installation		
	(a)	To gain access	0.25 M/Hrs.
	(b)	To rework	0.25 M/Hrs.
	(c)	To return to service	0.25 M/Hrs.
		Total	0.75 M/Hrs.

F. References

	Chapter/Section
MD90 Aircraft Maintenance Manual	71-11-01
IAE V2500 Service Bulletin V2500-NAC-71-0196	

G. Action

(1) Open the fan cowl doors. Refer to the MD-90 Aircraft Maintenance Manual, Chapter 71-11-01, page block 201.

(2) Examine the nose cowl aft bulkhead thermal anti-ice system pressure sensor. Refer to Figure 1. (An activated sensor indicates T.A.I. air is leaking into the outer duct.)

(a) If the sensor has been activated (red pin is extended) you must do the following:

1 Immediately, push the red pin in to re-set the pressure sensor.

2 Immediately, examine the T.A.I outer duct forward bulkhead connection as instructed in Paragraph (3).

3 Within the next 500 flight hours or at the next “A” check, whichever occurs first, incorporate Service Bulletin V2500-NAC-71-0232.

(b) If the sensor is not activated (red pin is not extended), go to Paragraph (4).

(3) Examine the nose cowl outer T.A.I. duct installation.

(a) Remove the fifteen NAS7204U5 bolts and the 290-3183-501 T.A.I. access panel from the nose cowl.

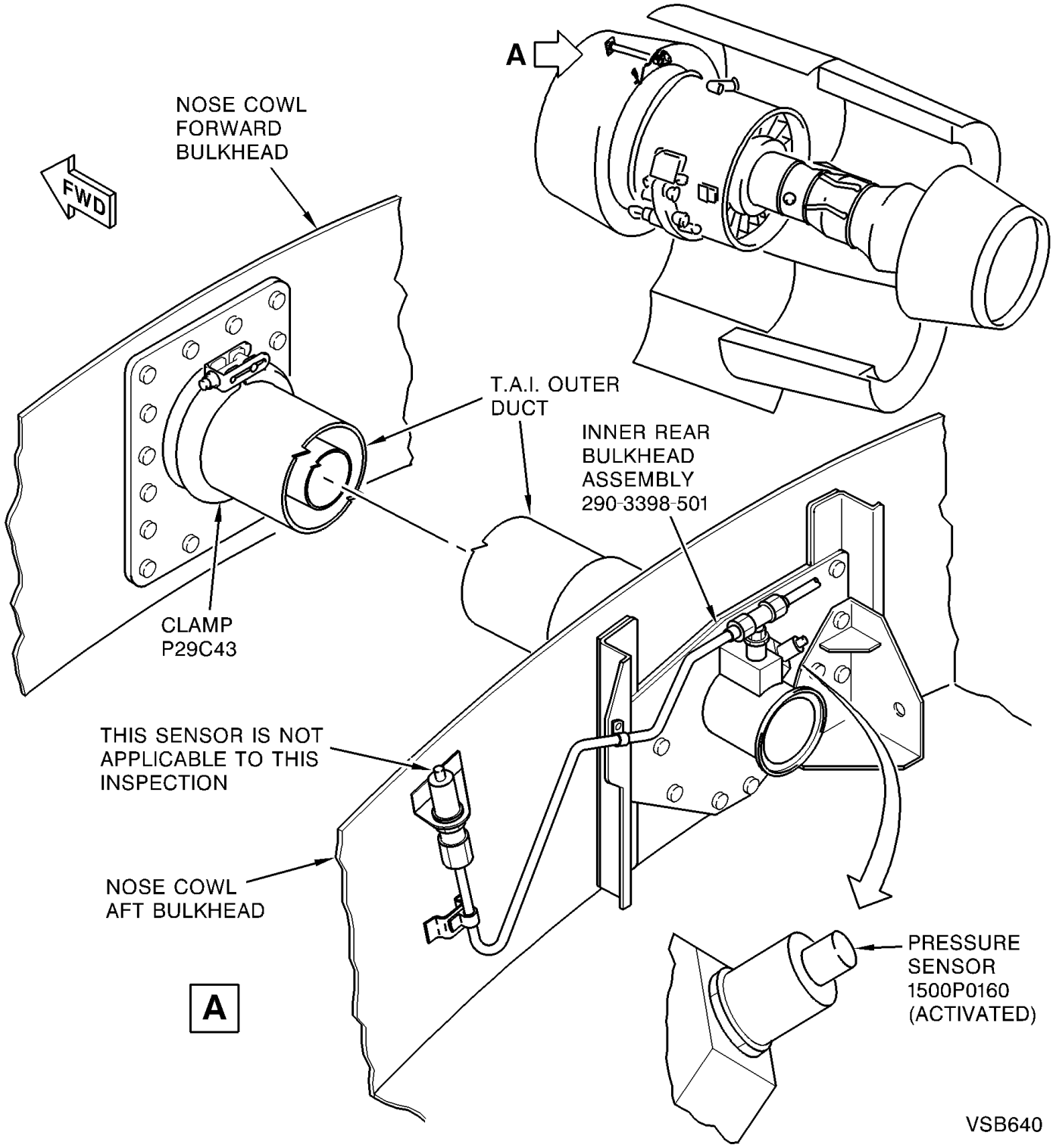
(b) Examine the outer T.A.I. outer duct forward bulkhead connection. Refer to Figure 1.

1 Make sure the P29C43 clamp at the forward bulkhead is correctly installed and torqued to 35-40 in-lbs (3.95-4.52 Nm) as instructed in service bulletin V2500-NAC-71-0196.

(c) Install the T.A.I. access panel and the fifteen NAS7204U5 bolts. Torque the bolts to 20-25 in-lbs (2,26-2,82 Nm).

(4) Close the fan cowl doors. Refer to the MD-90 Aircraft Maintenance Manual, Chapter 71-11-01, page block 201.

H. A record of accomplishment is necessary.



Nose Cowl T.A.I. Installation Inspection
Figure 1