SERVICE BULLETIN

Number: V2500-NAC-78-0197

Summary

Date: November 6, 2001

Internal Reference No.

JG 01VN806

ATA System: 78-30

SUBJECT: COMMON NOZZLE ASSEMBLY (C.N.A.) - APPLICATION OF ABRASION RESISTANT COATING TO THE INBOARD SIDE

BACKGROUND

GENERAL:

CNAs have been found with damage to the inboard side caused by chafing against the pylon seal.

This service bulletin provides instructions to apply an abrasion resistant coating to the inboard (fuselage) side of the CNA.

ACTION:

Apply abrasion resistant coating to the inboard (fuselage) side of the CNA.

COMPLIANCE:

Category 6

Accomplish when the nacelle or nacelle component is disassembled sufficiently to afford access to the affected part and to all spare parts.

EFFECTIVITY:

All MD-90 CNAs.

MANPOWER:

1.0 man hour for each common nozzle assembly.

MATERIAL INFORMATION:

No parts are required to do this modification.

"MODIFICATION SERVICE BULLETIN" - "NACELLE - EXHAUST - COMMON NOZZLE ASSEMBLY - APPLICATION OF ABRASION RESISTANT PAINT TO THE INBOARD SIDE"

1. PLANNING INFORMATION

A. Effectivity

(1) Airplane: MD-90

(2) Nacelle: All V2500-D5 CNAs.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

(a) CNA inboard surface can become worn in service.

(2) Cause

(a) Chafing between the CNA inboard surface and the pylon seal.

(3) Background

(a) CNAs have been found with worn inboard surfaces.

(4) Objective

(a) The changes in configuration recommended in this Service Bulletin are intended to maintain reliability of the CNA by application of a abrasion resistant paint to the inboard side of the CNA.

(5) Substantiation

(a) Not applicable.

(6) Impact of Bulletin on Workshop Procedures

(a) Removal/Installation

D. Description

This service bulletin provides instructions for application of abrasion resistant paint to the inboard side of the CNA.

E. Compliance

Category 6

Accomplish when the nacelle subassembly is disassembled sufficiently to afford access to the affected part and all affected spare parts.

F. Approval

Incorporation of this Service Bulletin must be accomplished only in conjunction with Boeing Service Bulletin MD90-78-053 which has received exclusive FAA approval for MD-90 Series aircraft.

G. Manpower

1.0 man hour for each common nozzle assembly.

H. Material Cost and Availability

No parts are required to accomplish this service bulletin.

I. Tooling

None.

J. Weight and Balance

1)	Weight change	None
2)	Moment Arm	No effect
3)	Datum	Engine front mount centreline (Powerplant Station PS 100)

K. References

Publication	Chapter/Section
IAE V2500 Standard Practices/Processes Manual (SPP-V2500-1IA)	70-09-00
Overhaul Processes and Consumable Index (PCI-V2500-1IA)	
Common Nozzle Assembly Component Maintenance Manual (CMM-CN-V2500-3IA)	78-11-11

L. Other Publications Affected

Publication	Chapter/Section
MD-90 Aircraft Maintenance Manual	

2. Material Information

A. Material - Price and Availability

Materials required are to be procured locally by the operator.

B. Material Requirements

(1) The following is applicable to a CNA.

C. Kits necessary for this Service Bulletin:

None.

D. Parts affected by this Service Bulletin:

None.

E. Instructions/Disposition Codes:

None.

F. Tooling - Price and Availability:

None.

G. Materials Required to do this Service Bulletin:

CoMat 01-438	Solvent
CoMat 02-099	Lint Free Cloth
23-T3-105 Base	Hysol, Division of Dexter Corp.
PC-216 Catalyst	Hysol, Division of Dexter Corp.

3. Accomplishment Instructions

A. Pre-requisite Instructions

(1) Examine and repair the CNA inboard side as instructed in the Common Nozzle Component Maintenance Manual (CMM-CN-V2500-3IA).

B. Apply the abrasion resistant coating.

WARNING: SOLVENT(COMAT 01-438)IS CLASSIFIED AS A HAZARDOUS MATERIAL AND MAY CAUSE INJURY OR ILLNESS IF NOT PROPERLY USED. THIS PRODUCTS SHOULD BE USED ONLY IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFIC SAFETY AND HEALTH RECOMMENDATIONS. PRIOR TO USE OF THIS PRODUCTS, CAREFULLY READ THE APPLICABLE "MATERIAL SAFETY DATA SHEET" AND FOLLOW ALL LISTED SAFETY AND HEALTH PRECAUTIONS.

(1) Clean the inboard surface of the CNA with solvent (CoMat 01-438) and a lint free cloth (CoMat 02-099).

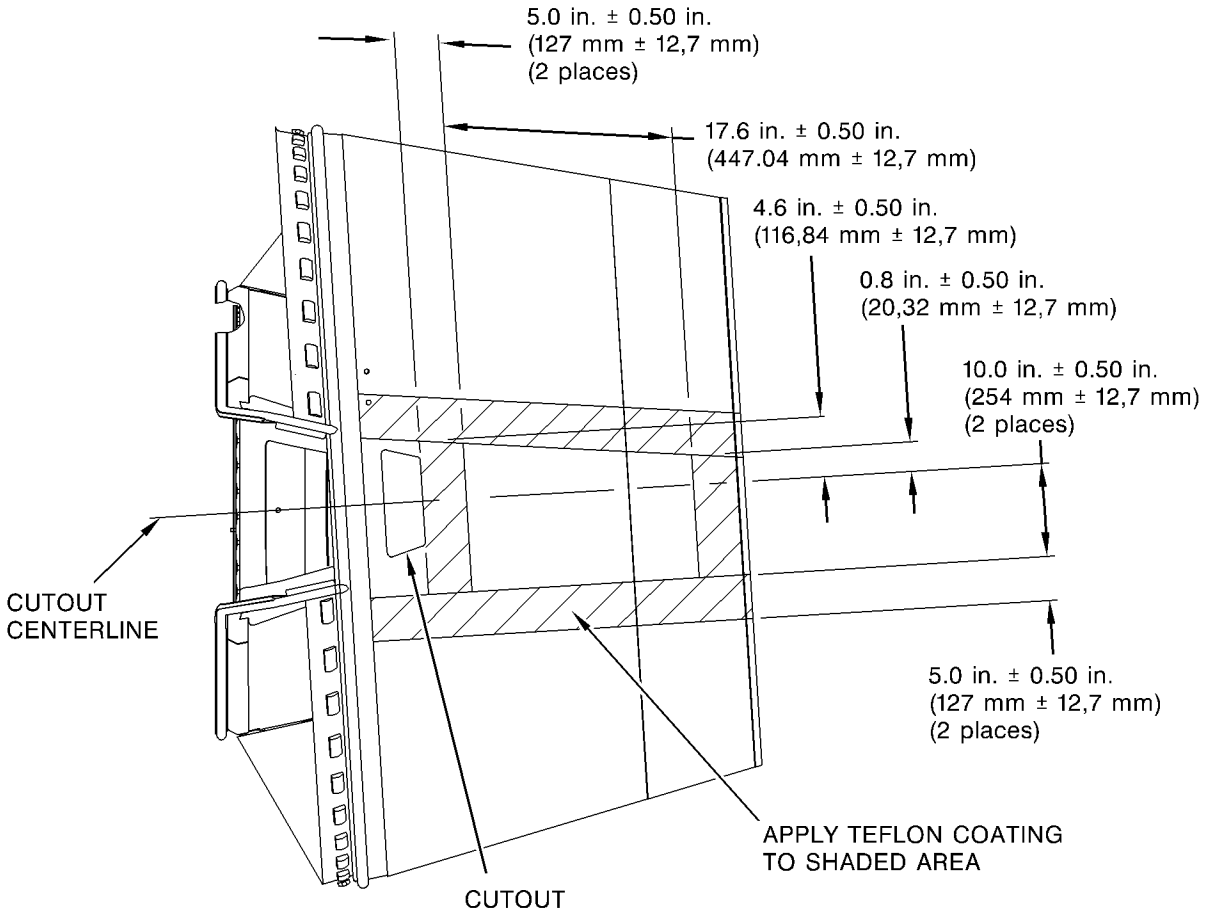
WARNING: BASE AND CATALYST ARE CLASSIFIED AS HAZARDOUS MATERIALS AND MAY CAUSE INJURY OR ILLNESS IF NOT PROPERLY USED. THESE PRODUCTS SHOULD BE USED ONLY IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFIC SAFETY AND HEALTH RECOMMENDATIONS. PRIOR TO USE OF THESE PRODUCTS, CAREFULLY READ THE APPLICABLE "MATERIAL SAFETY DATA SHEETS" AND FOLLOW ALL LISTED SAFETY AND HEALTH PRECAUTIONS.

(1) Mix the 23-T3-105 base and PC-216 catalyst. Refer to the manufacturer's instructions.

(2) Apply the teflon coating to the inboard side of the CNA. Refer to Figure 1. Refer to the manufacturer's instructions.

C. Recording Instructions

(1) A record of accomplishment is required. Write in the applicable records and metal stamp, electroetch, or vibroetch on the thrust reverser data plate that Service Bulletin V2500-NAC-78-197 has been done. Refer to the Standard Practices/Processes Manual (SPP-V2500-1IA), Chapter 70-09-00.



NOTE: DIMENSIONS ARE ON CURVED SURFACE OF PART

VSB836

CNA - Application of Abrasion Resistant Coating
Figure 1