

ZONES: 215 430
 A/C NUMBER:
 REV. DATE: 03/19/07
 FREQUENCY: PCI

W/C NUMBER: 542L7202 DATE:

BAT95HD	DEGREASER	A/R
OMAT582	SCOTCHBRITE PAD	10
OMAT230	ZINC OXIDE MASKING TAPE	2
OMAT237	MASKING TAPE (ALTERNATE TO OMAT230)	2
OMAT4/51	DRY FILM LUBRICANT	2
OMAT4/52	DRY FILM LUBRICANT (ALTERNATE TO OMAT4/51)	2
OMAT4/49	MOLYKOTE GN PASTE	A/R
OMAT444	DRY FILM LUBRICANT	A/R

TOOLS	DESCRIPTION	QTY
HU29226	EXTRACTOR NOSE CONE FAIRING	1
289200	PROTECTIVE WORK MAT (OR EQUIVALENT)	1

REFERENCES

FIGURE 1 MM 72-31-03 MM 72-31-05 M11-71-16 542L7202

MECH INSP

_____ XXXXX 1. ON PILOT'S CENTER CONSOLE, PLACE DO-NOT-OPERATE/CLOSE TAG ON #2 ENGINE THROTTLE/THRUST REVERSER LEVERS AND APU/GND REVERSER SWITCH.

_____ XXXXX 2. ON FE/SO AFT CIRCUIT BREAKER PANEL C.B.3, OPEN AND PLACE DO-NOT-OPERATE/CLOSE TAG ON "START AIR VALVE" CB N.9.

_____ XXXXX 3. ON PILOT'S OVERHEAD ENGINE START PANEL, PLACE DO-NOT-OPERATE/CLOSE TAG ON #2 "ENGINE START" SWITCHLIGHT.

_____ XXXXX 4. OPEN "S" DUCT ACCESS PANEL 431AZ.

_____ XXXXX 5. POSITION PROTECTIVE WORK MAT IN #2 ENGINE NOSE COWL AIR INTAKE ENSURING RED WARNING PENNANT IS CLEARLY VISIBLE EXTERNAL OF THE AIRCRAFT.

WARNING: WHEN SPINNING THE BLADES, CARE MUST BE TAKEN TO AVOID TRAPPING FINGERS BETWEEN BLADES AND LP COMPRESSOR INLET GUIDE VANES.

CAUTION: THE WEIGHT OF THE SPINNER IS APPROXIMATELY 14 LBS.

_____ XXXXX 6. INDEX AND REMOVE NOSE CONE FAIRING AND SPINNER (REF. MM 72-31-03).

A. Record Spinner S/N _____

_____ XXXXX 7. INDEX AND REMOVE ATTACHMENT RING (REF. MM 72-31-05).

_____ _____ 8. MARK, REMOVE AND INSPECT BLADE ROOT DAMPERS (REF. MM 72-31-05).

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NOTE: ANY BLADE ROOT DAMPERS REJECTED MUST BE REPLACED BY DAMPERS OF AS NEAR AS POSSIBLE THE SAME WEIGHT

XXXXX 9. INDEX THRUST RING TO FAN DISC AND REMOVE THRUST RING TOGETHER WITH BALANCING WEIGHT(S) (REF. MM 72-31-05).

10. LOCATE BLADE "1" AND NUMBER FAN BLADES FROM "1" TO "33" WORKING ANTI-CLOCKWISE (VIEWED FROM FRONT) (REF. MM 72-31-05).

XXXXX 11. REMOVE FAN BLADES (REF. MM 72-31-05) AND LAY THEM OUT IN SEQUENTIAL ORDER "1" THROUGH "33."

XXXXX 12. RECORD BELOW THE GENERAL CONDITION (EXCESSIVE DIRT, GRIME, ETC.) OF THE FAN BLADE/DISC FIRTREE ROOT AREAS PRIOR TO CLEANING.

CAUTION: WHEN USING DEGREASING FLUID, ENSURE ADEQUATE VENTILATION, AVOID SKIN CONTACT AND INHALING THE VAPOR.

XXXXX 13. CLEAN DISC SERRATIONS AND BLADE ROOTS USING A STIFF BRISTLE BRUSH. BRUSH DEBRIS TOWARDS THE FRONT OF THE DISC. MAKE SURE THAT DEBRIS IS COMPLETELY REMOVED FROM THE DISC.

XXXXX 14. CLEAN FAN BLADE STRUT (CLAPPER) MATING FACES.

XXXXX 15. INSPECT FAN BLADE FIRTREE ROOT COATINGS FOR LOSS OF MATERIAL OR CHIPPING AND RECORD FINDINGS BELOW.

A. Blade 1 _____

B. Blade 2 _____

C. Blade 3 _____

D. Blade 4 _____

E. Blade 5 _____

F. Blade 6 _____

LUBRICATE #2 ENG LP COMPRESSOR BLADES

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MECH: INSP:

- G. Blade 7 _____
- H. Blade 8 _____
- I. Blade 9 _____
- J. Blade 10 _____
- K. Blade 11 _____
- L. Blade 12 _____
- M. Blade 13 _____
- N. Blade 14 _____
- O. Blade 15 _____
- P. Blade 16 _____
- Q. Blade 17 _____
- R. Blade 18 _____
- S. Blade 19 _____
- T. Blade 20 _____
- U. Blade 21 _____
- V. Blade 22 _____
- W. Blade 23 _____
- X. Blade 24 _____
- Y. Blade 25 _____
- Z. Blade 26 _____
- AA. Blade 27 _____
- AB. Blade 28 _____
- AC. Blade 29 _____

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MECH: INSP:

AD. Blade 30 _____

AE. Blade 31 _____

AF. Blade 32 _____

AG. Blade 33 _____

| _____ XXXXX 16. ROUGHEN AREAS IDENTIFIED IN STEP 14 USING A SCOTCH BRITE PAD
P/N: OMAT 582 IN PREPARATION FOR REAPPLICATION OF LUBRICANT.

| _____ XXXXX 17. MASK BLADE SURFACES USING ZINC OXIDE MASKING TAPE P/N: OMAT
230 OR MASKING TAPE P/N: OMAT 237 AS SHOWN IN FIGURE 1.

WARNING: DO NOT USE THE LUBRICANT NEAR SOURCES OF IGNITION. THE
LUBRICANT CONTAINS FLAMMABLE SOLVENTS AND MUST BE
APPLIED IN A WELL VENTILATED AREA.

CAUTION: EXCESSIVE LUBRICANT APPLICATION MAY LEAD TO FAN BLADE
VIBRATION IN SERVICE. TYPICAL COATING THICKNESS IS
.0003 INCH PER LAYER.

| _____ XXXXX 18. MASK OFF FAN BLADE STRUT (CLAPPER) MATING FACES FOR DRY
FILM LUBRICANT APPLICATION USING ZINC OXIDE MASKING TAPE
P/N: OMAT 230 OR MASKING TAPE P/N OMAT 237.

| _____ XXXXX 19. APPLY DRY FILM LUBRICANT P/N: OMAT 4/51 OR OMAT 4/52 TO
SURFACES MARKED AB AND AC IN FIGURE 1.

NOTE 1: DO NOT USE A BRUSH TO APPLY AND DO NOT APLY MORE THAN
TWO LAYERS.

NOTE 2: USE OF A TEST PIECE IS RECOMMENDED TO ASSESS THE
COATING THICKNESS ACHIEVED.

A. Apply initial layer as shown in Figure 1. Allow 10 minutes
to dry.

B. Apply final layer as shown in Figure 1. Allow at least 30
minutes to dry at room temperature (68 Deg. F, 29 Deg. C).

| _____ XXXXX 20. APPLY DRY FILM LUBRICANT OMAT 444 TO THE BLADE STRUT
(CLAPPER) MATING FACES.

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|XXXX _____ 21. VISUALLY INSPECT APPLIED DRY FILM LUBRICANT FOR:

- A. Smoothness.
- B. Bonding.
- C. Flaking or cracking.

| _____ 22. APPLY MOLYCOTE GN PASTE (OMAT 4/49) TO FAN BLADE STRUT
| (CLAPPER) MATING FACE.

CAUTION: WHEN A FULL SET OF BLADE ROOT DAMPERS, WHICH WERE NOT NUMBERED PRIOR TO REMOVAL, OR A REPLACEMENT DAMPERS ARE BEING FITTED. THE DAMPERS MUST BE INSTALLED IN A HEAVY/LIGHT SEQUENCE AROUND THE L.P. COMPRESSOR (FAN) HUB. EACH DAMPER IS IDENTIFIED WITH ITS WEIGHT IN GRAMS ON THE DAMPER BODY SECTION.

| _____ 23. INSTALL BLADE ROOT DAMPERS AND FAN BLADES (REF. MM 72-31-05).

| _____ 24. ALIGN INDEX MARKS AND INSTALL THRUST RING TOGETHER WITH
BALANCING WEIGHT(S) (REF. MM 72-31-05).| _____ 25. ALIGN INDEX MARKS AND INSTALL ATTACHMENT RING (REF.
MM 72-31-05).| _____ 26. ALIGN INDEX MARKS AND INSTALL SPINNER S/N _____ AND NOSE
CONE FAIRNG (REF. MM 72-31-03).

| _____ XXXXX 27. REMOVE PROTECTIVE WORK MAT AND ANY DEBRIS FROM INTAKE.

| _____ XXXXX 28. CLOSE "S" DUCT ACCESS PANEL 431AZ.

| _____ XXXXX 29. REMOVE DO-NOT-OPERATE/CLOSE TAGS FROM #2 ENGINE
THROTTLE/THRUST REVERSER LEVERS AND APU/GND REVERSER SWITCH.| _____ XXXXX 30. REMOVE DO-NOT-OPERATE/CLOSE TAG AND CLOSE "START AIR VALVE"
CB N.9.| _____ XXXXX 31. REMOVE DO-NOT-OPERATE/CLOSE TAG FROM #2 "ENGINE START"
SWITCHLIGHT.

| _____ 32. PERFORM GROUND AVM SURVEY W/C 542F7101.

LUBRICATE #2 ENG LP COMPRESSOR BLADES

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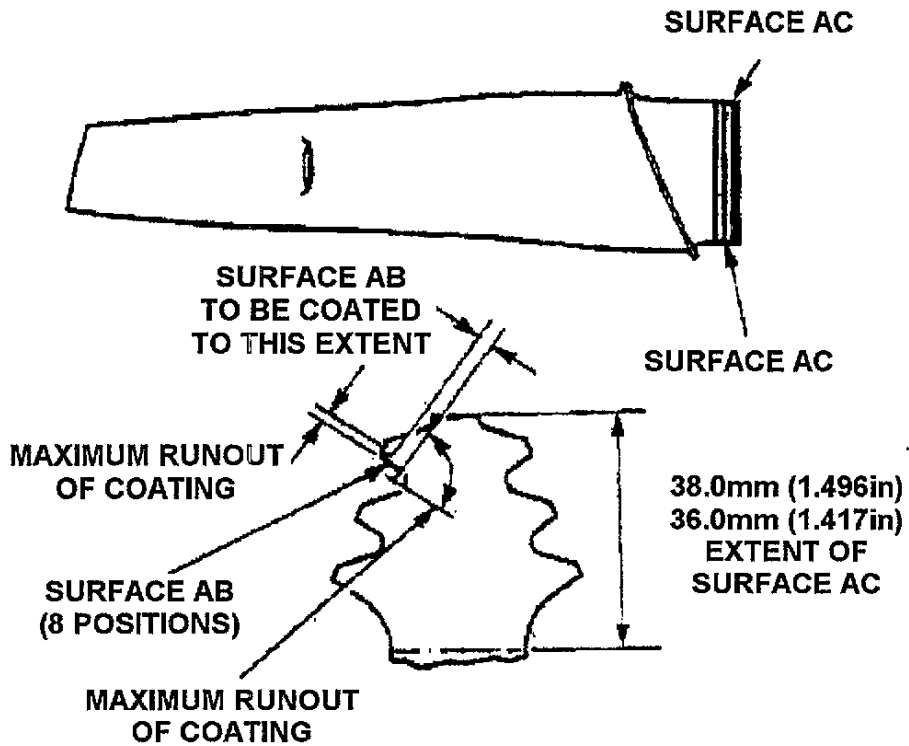
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*****END OF WORKCARD*****



NOTE: Surfaces marked AB and AC to be coated with OMat 4/51 or OMat 4/52 Dry Film Lubricant SPRAY

NOTE: DO NOT USE BRUSH APPLICATION

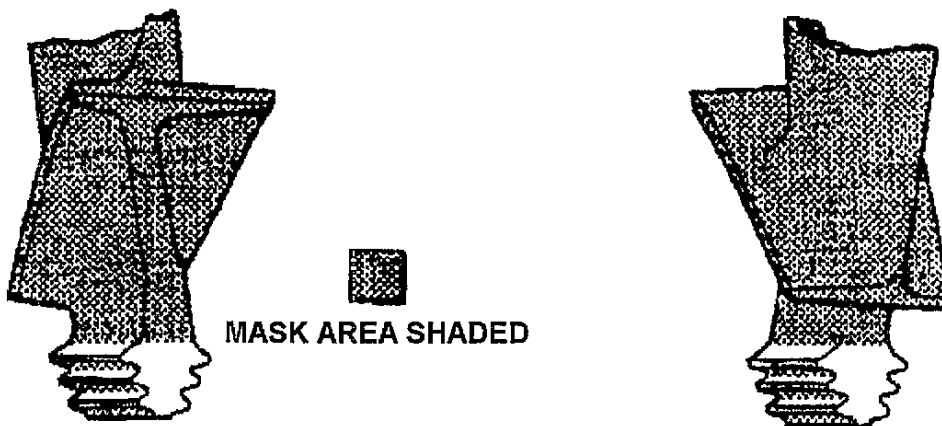


FIGURE 1

REVISION DATE 08/09/2001