

ATA AIRLINES, INC.

TURBINE REAR FRAME ASSEMBLY OIL LEAK INSPECTION

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CHECK BEING PERFORMED: Custom

ZONES: 417 427
A/C NUMBER:
REV. DATE: 07/13/06
FREQUENCY: A/R

W/C NUMBER: 340I7901 DATE:

MFR P/N	DESCRIPTION	QTY
CCN 9430018	Kit, Turbine Rear Frame Oil Leak	1
Kroil	Oil, Penetrating	A/R
NSBT-8N	Never-Seez Compound	A/R
Acetone	Solvent	A/R

TOOLS	DESCRIPTION	QTY
F80049-12	Lock Assembly, Flight Controls	1
Pin, Rig	(.316" Dia.) w/ DO NOT REMOVE Streamer	1
C78004-1	Lockpin, Thrust Reverser	1
C78009-33	Equipment, Handling, Primary Exhaust Sleeve	1
Jack	Hydraulic, General, Cap. 2000 lbs.	1

REFERENCES

AMM27-81-00, 70-40-01, 71-00-00, 78-11-01, 78-11-02, 78-31-00; ESM72-00-03,
72-56-01; EIPC72-00-00

MECH INSP

TURBINE REAR FRAME ASSEMBLY OIL LEAK INSPECTION

ADDITIONAL TOOLS: P/N 856A3419G02, PULLER ADAPTER, QTY 1
P/N 856A2677G01, FIXTURE, RETAINING RING, QTY 1

_____ XXXXX 1. Record the following information:

| A. Record MACH Discrepancy No. or Work Order and
| Non Routine number: _____

B. Record Engine serial number: _____

2. Prepare for the inspections.

A. Prepare the Aircraft as follows:

_____ XXXXX (1) Deactivate the Leading Edge Flaps and Slats in the
Retract (UP) Position (Selection), AMM 27-81-00-040-801.

_____ XXXXX (2) Deactivate Thrust Reverser for Ground Maintenance,
AMM 78-31-00-040-802.

_____ XXXXX (3) Open the Thrust Reverser, (Selection)
AMM 78-31-00-010-801.

B. Remove the following Engine components:

REVISION DATE: 07/13/06 ATA AIRLINES, INC. B737-800 FLEET W/C #: 340I7901

DATE WORK CARD COMPLETE ___/___/___

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 340I7901 (continued)

MECH: INSP:

NOTE: Install plugs or caps on all tubes or ports when you get access to them to prevent the entry of unwanted material.

_____ XXXXX (1) Primary Nozzle Assembly, AMM 78-11-01-000-801.

(2) Primary Plug Assembly, AMM 78-11-02-000-801.

_____ XXXXX (a) Aft Plug.

_____ XXXXX (b) Forward Plug.

(3) Remove per (Selection) ESM 72-00-03, Removal 001:

_____ XXXXX (a) Flange Assembly.

_____ XXXXX (b) Flame Arrestor.

_____ XXXXX (c) Oil Inlet Cover.

1) Remove Nipple EIPC 72-00-00, Fig. 70, Item 260.

2) Remove Nipple EIPC 72-00-00, Fig. 70, Item 290.

_____ XXXXX (4) Oil Supply Tube, EIPC 72-56-00, Fig. 5, Item 180,
(Selection) ESM 72-56-01, Repair 017.

_____ XXXXX C. Clean the following components:

NOTE: Start soaking heavily coked parts as soon as they are removed.

(1) Oil Inlet Cover parts, ESM 72-56-06, Cleaning 001.

(2) Flange Assembly, ESM 72-56-07, Cleaning 001.

(3) Flame Arrestor Assembly, ESM 72-56-08, Cleaning 001.

(4) If necessary, clean the TRF hub area, ESM 72-56-01,
Cleaning 001.

XXXXX _____ 3. Perform Turbine Rear Frame Assembly Oil Leak Inspection.

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 340I7901 (continued)

MECH: INSP:

A. Perform a GVI of removed parts, including the following:

(1) Inspect Oil Tubes, EIPC 72-00-00, Fig. 70, Items 250 and 280 for cracks or evidence of leakage.

(a) If cracks or leak source is found, oil tubes must be replaced, (Selection) ESM 72-00-03, Install 003.

(2) Perform Visual Check of the Oil Supply Tube Parts, (Selection) ESM 72-56-01, Repair 017.

B. Fluorescent Penetrant Inspect Scavenge Tube Nipple area for cracking around weld area, AMM 70-40-01-2.

4. Return Engine to its normal condition.

NOTE: Ensure applicable plugs and caps are removed before installing components.

A. Install Oil Inlet Cover as follows:

XXXXX _____ (1) OK to install.

_____ XXXXX (2) Install Oil Inlet Cover, (Selection) ESM 72-00-03, Install 003.

(a) Reinstall Nipple EIPC 72-00-00, Fig. 70, Item 260.

(b) Reinstall Nipple EIPC 72-00-00, Fig. 70, Item 290.

_____ XXXXX B. Install the Oil Supply Tube EIPC 72-56-00, Fig. 5, Item 180, (Selection) ESM 72-56-01, Repair 017.

C. Install Flange Assembly and Flame Arrestor as follows:

XXXXX _____ (1) OK to install.

_____ XXXXX (2) Install Flange Assembly and Flame Arrestor, ESM 72-00-03, Install 003.

D. Install Primary Plug Assembly, AMM 78-11-02-400-801.

_____ XXXXX (1) Forward Plug.

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W/C NUMBER: 340I7901 (continued)

MECH: INSP:

_____ XXXXX (2) Aft Plug.

_____ XXXXX E. Install Primary Nozzle Assembly, AMM 78-11-01-400-801.

_____ XXXXX F. Clean the following areas and components:

(1) TRF external area where Oil Tubes exit from TRF to remove any coke and oil deposits, ESM 72-61-01.

(2) Thrust Reverser Blankets as required, AMM 78-31-00

XXXXX _____ G. Final Inspect Assembly.

5. Return Aircraft to its normal condition.

_____ XXXXX A. Close Thrust Reverser, (Selection) AMM 78-31-00-010-804.

_____ XXXXX B. Do the Thrust Reverser Activation After Ground Maintenance, AMM 78-31-00-440-803

_____ XXXXX C. Reactivate Leading Edge Flaps and Slats, AMM 27-81-00-440-801.

_____ XXXXX D. Initiate a Maintenance Carryover Item (MCI) to perform a one-time GVI for oil leak evidence on Thrust Reverser Blankets and TRF external area by Oil Tubes within 50-100 flight hours.

(1) Record MCI No. _____

_____ _____ E. Perform Test 3A, AMM 71-00-00-700-801.

(1) Perform GVI for oil leak evidence on Thrust Reverser Blankets and TRF external area by Oil Tubes.

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