

ATA AIRLINES, INC.

HYDRAULIC FLUID SAMPLING

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CHECK BEING PERFORMED: Custom

ZONES: 113 143 144 197
 A/C NUMBER:
 REV. DATE: 12/04/03
 FREQUENCY: PCI

W/C NUMBER: 210M2901 DATE:
 W/O:
 JAC CODE:

MFR P/N	DESCRIPTION	QTY
SAMPLEBOTTLE	HYDRAULIC FLUID SAMPLING BOTTLE	3
BMS 3-11	HYDRAULIC FLUID	A/R
VARIOUS	FLUID CONTAINER, OPEN TOP, 1 GALLON (OR EQUIVALENT)	1

PANELS

197KL 742
 732

REFERENCES

1, AMM 06-41-00/201, 12-12-01/301, 29-11-00/201, 32-00-15/201, 32-00-20/201

MECH INSP

HYDRAULIC FLUID SAMPLING

1 PREPARE FOR HYDRAULIC FLUID SAMPLING

WARNING: OBSERVE ALL RELEVANT SAFETY PRECAUTIONS IN THE REFERENCED AMM PROCEDURES WHEN PERFORMING THIS TASK. FAILURE TO DO SO CAN RESULT IN DAMAGE TO EQUIPMENT OR INJURY/DEATH TO PERSONNEL.

- _____ XXXXX A PRESSURIZE ALL THREE AIRCRAFT HYDRAULIC SYSTEMS (REF. AMM 29-11-00/201).
- _____ XXXXX B INSTALL THE LANDING GEAR DOWNLOCKS PER AMM 32-00-20/201, LOGBOOK ENTRY REQUIRED (REF. GMM).
- _____ XXXXX C OPEN THE INBOARD MLG DOORS PER AMM 32-00-15/201 AND INSTALL THE DOOR LOCKS.
- _____ XXXXX D OPEN ACCESS DOOR 197KL (REF. AMM 06-41-00/201).
- _____ XXXXX E CYCLE ALL OF THE FLIGHT CONTROLS, 6 TO 8 TIMES, TO ALLOW THE FLUID AND CIRCULATE THROUGHOUT THE EACH SYSTEM.

NOTE: ALL SAMPLES MUST BE TAKEN WITHIN 60 MINUTES OF THE COMPLETION OF THIS STEP.

- _____ XXXXX F REMOVE PRESSURE FROM ALL HYDRAULIC SYSTEMS AND RESERVOIRS (REF. AMM 29-11-00/201).

2 GENERAL NOTES: CLEANLINESS AND CONSISTENCY ARE CRITICAL DURING

REVISION DATE: 12/04/03

ATA AIRLINES, INC. B757 FLEET

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DATE WORK CARD COMPLETE ___/___/___

THESE SAMPLING PROCEDURES. A SMALL AMOUNT OF CONTAMINATION IN THE FLUID SAMPLE WILL RESULT IN ARTIFICIALLY HIGH PARTICLE COUNTS WHICH WILL NOT ACCURATELY REFLECT THE CONDITION OF THE SYSTEM'S FLUID.

FLUID SAMPLES MUST BE TAKEN IN CLEAN FLUID SAMPLING BOTTLES SUPPLIED BY THE TESTING LABRATORY. IF THE BOTTLES ARE NOT CLEAN, OR HAVE BEEN PREVIOUSLY OPENED, DISCARD THEM AND USE NEW BOTTLES.

SAMPLES MUST BE TAKEN FROM AN UNINTERRUPTED, STEADY STREAM OF HYDRAULIC FLUID. INTERRUPTING THE FLUID FLOW WITH THE SAMPLE BOTTLE IN THE FLUID STREAM CAN LEAD TO CONTAMINATION OF THE SAMPLE.

FAMILIARIZE YOURSELF WITH THE FOLLOWING STEPS BEFORE PROCEEDING.

3 OBTAIN HYDRAULIC FLUID SAMPLE FROM LEFT HYDRAULIC SYSTEM.

CAUTION: USE APPROPRIATE PERSONAL SAFETY EQUIPMENT WHEN WORKING WITH HYDRAULIC FLUID. SEE MSDS FOR DETAILS.

- _____ XXXXX A REMOVE SAFETY WIRE FROM RESERVOIR SAMPLING VALVE.
- _____ XXXXX B CLEAN THE RESERVOIR SAMPLING VALVE PORT WITH ISOPRPYL ALCOHOL AND WIPE WITH LINT-FREE WIPES. FLUSH AGAIN WITH ALCOHOL (REF. FIGURE 1).
- _____ XXXXX C PLACE FLUID CONTAINER UNDERNEATH THE SAMPLING PORT TO CATCH EXCESS HYDRAULIC FLUID. ENSURE ADEQUATE ROOM IS AVAILABLE TO PLACE THE SAMPLING BOTTLE BENEATH THE SAMPLING VALVE PORT.
- _____ XXXXX D REMOVE CAP FROM SAMPLE BOTTLE.
- _____ XXXXX E OPEN THE SAMPLING VALVE TO ALLOW A SMOOTH, STEADY STREAM OF FLUID TO EXIT THE RESERVOIR.
- _____ XXXXX F ALLOW A MINIMUM OF ONE PINT OF HYDRAULIC FLUID TO EXIT THE RESERVOIR PRIOR TO TAKING SAMPLE.

HYDRAULIC FLUID SAMPLING

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W/C NUMBER: 210M2901 (continued)

MECH: INSP:

- _____ XXXXX G WITHOUT RELEASING THE SAMPLING VALVE, PLACE THE SAMPLING BOTTLE IN THE FLUID STREAM UNTIL THE BOTTLE IS FULL. DO NOT ALLOW THE BOTTLE TO TOUCH THE SAMPLING PORT.
- _____ XXXXX H WITHDRAW THE SAMPLING BOTTLE FROM THE FLUID STREAM.
- _____ XXXXX I RELEASE THE SAMPLING VALVE AND ENSURE IT CLOSES COMPLETELY.
- _____ XXXXX J IMMEDIATELY CAP THE SAMPLING BOTTLE. ENSURE CAP IS TIGHTLY SEALED.
- _____ XXXXX K COMPLETE THE LABEL THAT ACCOMPANIED THE SAMPLE BOTTLE AND AFFIX IT TO THE BOTTLE.
- _____ XXXXX L SEAL THE SAMPLE BOTTLE IN THE ZIPLOCK BAG AND PLACE IT IN THE SHIPPING BOX THAT ACCOMPANIED THE SAMPLE BOTTLE.
- _____ XXXXX M SAFETY-WIRE THE SAMPLING VALVE CLOSED.

4 OBTAIN HYDRAULIC FLUID SAMPLE FROM CENTER HYDRAULIC SYSTEM.

CAUTION: USE APPROPRIATE PERSONAL SAFETY EQUIPMENT WHEN WORKING WITH HYDRAULIC FLUID. SEE MSDS FOR DETAILS.

- _____ XXXXX A REMOVE SAFETY WIRE FROM RESERVOIR SAMPLING VALVE.
- _____ XXXXX B CLEAN THE RESERVOIR SAMPLING VALVE PORT WITH ISOPROPYL ALCOHOL AND WIPE WITH LINT-FREE WIPES. FLUSH AGAIN WITH ALCOHOL (REF. FIGURE 1).
- _____ XXXXX C PLACE FLUID CONTAINER UNDERNEATH THE SAMPLING PORT TO CATCH EXCESS HYDRAULIC FLUID. ENSURE ADEQUATE ROOM IS AVAILABLE TO PLACE THE SAMPLING BOTTLE BENEATH THE SAMPLING VALVE PORT.
- _____ XXXXX D REMOVE CAP FROM SAMPLE BOTTLE.
- _____ XXXXX E OPEN THE SAMPLING VALVE TO ALLOW A SMOOTH, STEADY STREAM OF FLUID TO EXIT THE RESERVOIR.
- _____ XXXXX F ALLOW A MINIMUM OF ONE PINT OF HYDRAULIC FLUID TO EXIT THE RESERVOIR PRIOR TO TAKING SAMPLE.

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- _____ XXXXX G WITHOUT RELEASING THE SAMPLING VALVE, PLACE THE SAMPLING BOTTLE IN THE FLUID STREAM UNTIL THE BOTTLE IS FULL. DO NOT ALLOW THE BOTTLE TO TOUCH THE SAMPLING PORT.
- _____ XXXXX H WITHDRAW THE SAMPLING BOTTLE FROM THE FLUID STREAM.
- _____ XXXXX I RELEASE THE SAMPLING VALVE AND ENSURE IT CLOSES COMPLETELY.
- _____ XXXXX J IMMEDIATELY CAP THE SAMPLING BOTTLE. ENSURE CAP IS TIGHTLY SEALED.
- _____ XXXXX K COMPLETE THE LABEL THAT ACCOMPANIED THE SAMPLE BOTTLE AND AFFIX IT TO THE BOTTLE.
- _____ XXXXX L SEAL THE SAMPLE BOTTLE IN THE ZIPLOCK BAG AND PLACE IT IN THE SHIPPING BOX THAT ACCOMPANIED THE SAMPLE BOTTLE.
- _____ XXXXX M SAFETY-WIRE THE SAMPLING VALVE CLOSED.

5 OBTAIN HYDRAULIC FLUID SAMPLE FROM RIGHT HYDRAULIC SYSTEM.

CAUTION: USE APPROPRIATE PERSONAL SAFETY EQUIPMENT WHEN WORKING WITH HYDRAULIC FLUID. SEE MSDS FOR DETAILS.

- _____ XXXXX A REMOVE SAFETY WIRE FROM RESERVOIR SAMPLING VALVE.
- _____ XXXXX B CLEAN THE RESERVOIR SAMPLING VALVE PORT WITH ISOPROPYL ALCOHOL AND WIPE WITH LINT-FREE WIPES. FLUSH AGAIN WITH ALCOHOL (REF. FIGURE 1).
- _____ XXXXX C PLACE FLUID CONTAINER UNDERNEATH THE SAMPLING PORT TO CATCH EXCESS HYDRAULIC FLUID. ENSURE ADEQUATE ROOM IS AVAILABLE TO PLACE THE SAMPLING BOTTLE BENEATH THE SAMPLING VALVE PORT.
- _____ XXXXX D REMOVE CAP FROM SAMPLE BOTTLE.
- _____ XXXXX E OPEN THE SAMPLING VALVE TO ALLOW A SMOOTH, STEADY STREAM OF FLUID TO EXIT THE RESERVOIR.
- _____ XXXXX F ALLOW A MINIMUM OF ONE PINT OF HYDRAULIC FLUID TO EXIT THE RESERVOIR PRIOR TO TAKING SAMPLE.
- _____ XXXXX G WITHOUT RELEASING THE SAMPLING VALVE, PLACE THE SAMPLING

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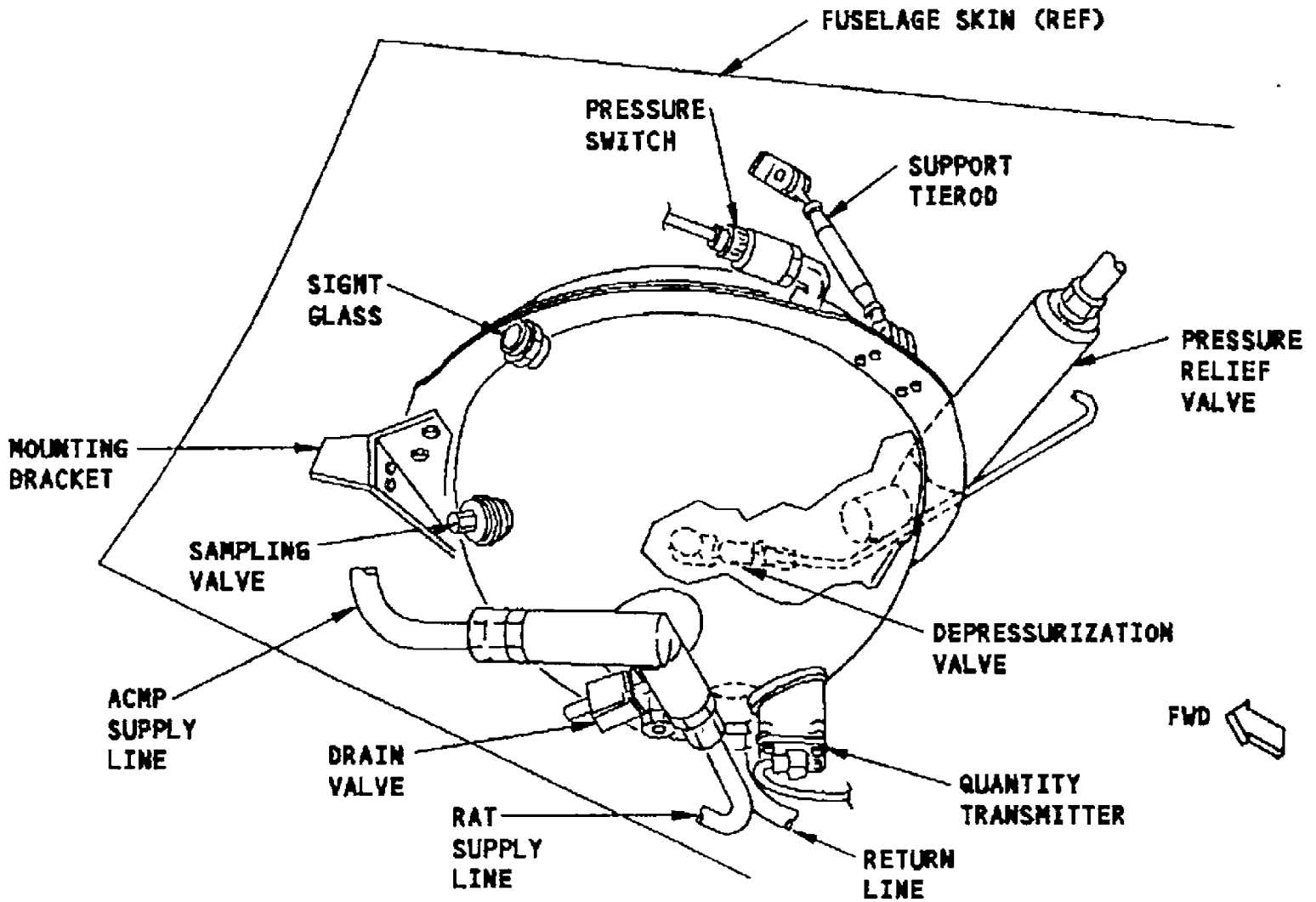
W/C NUMBER: 210M2901 (continued)

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BOTTLE IN THE FLUID STREAM UNTIL THE BOTTLE IS FULL. DO NOT ALLOW THE BOTTLE TO TOUCH THE SAMPLING PORT.

- _____ XXXXX H WITHDRAW THE SAMPLING BOTTLE FROM THE FLUID STREAM.
 - _____ XXXXX I RELEASE THE SAMPLING VALVE AND ENSURE IT CLOSES COMPLETELY.
 - _____ XXXXX J IMMEDIATELY CAP THE SAMPLING BOTTLE. ENSURE CAP IS TIGHTLY SEALED.
 - _____ XXXXX K COMPLETE THE LABEL THAT ACCOMPANIED THE SAMPLE BOTTLE AND AFFIX IT TO THE BOTTLE.
 - _____ XXXXX L SEAL THE SAMPLE BOTTLE IN THE ZIPLOCK BAG AND PLACE IT IN THE SHIPPING BOX THAT ACCOMPANIED THE SAMPLE BOTTLE.
 - _____ XXXXX M SAFETY-WIRE THE SAMPLING VALVE CLOSED.
- 6 RETURN AIRCRAFT TO SERVICE
- _____ XXXXX A PERFORM THE RESERVOIR FLUID QUANTITY CHECK PER AMM 12-12-01/301 AND SERVICE AS REQUIRED.
 - _____ XXXXX B REMOVE THE DOOR LOCKS AND CLOSE THE INBOARD MLG DOORS PER AMM 32-00-15/201.
 - _____ XXXXX C REMOVE THE LANDING GEAR DOWNLOCKS PER AMM 32-00-20/201.
 - _____ XXXXX D CLEAR LOGBOOK ENTRY FOR LANDING GEAR DOWNLOCKS (REF. GMM).
 - _____ XXXXX E CLOSE ACCESS DOOR 197KL (REF. AMM 06-41-00/201).
 - _____ XXXXX F FORWARD THE SAMPLES TO THE LABRATORY AT THE ADDRESS PRINTED ON THE FLUID SAMPLING BOTTLE'S SHIPPING BOXES.

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



HYDRAULIC RESERVOIR FIGURE 1
(TYPICAL)

08/06/1998