

ATA AIRLINES, INC.

MASTER DIM AND TEST OPERATION CHECK

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CHECK BEING PERFORMED: Custom

ZONES: 211
A/C NUMBER:
REV. DATE: 08/20/04
FREQUENCY: 1A

W/C NUMBER: 221A3301 DATE:
W/O:
JAC CODE:

MECH INSP

MASTER DIM AND TEST OPERATION CHECK

MPD TASKS 33-16-00-5A
 22-10-00-5A
 22-10-00-5B
 22-32-00-5A
 30-31-00-A
 31-51-00-5A
 34-16-00-5A

1. PREPARE TO DO THE TEST OF THE PILOTS' MASTER DIM AND TEST INDICATOR LIGHTS

A. References

- (1) AMM 24-22-00-2 , Electrical Power - Control
- (2) AMM 31-41-00-5 , EICAS
- (3) AMM 34-22-00-5 , Flight Instrument System

XXXXXX B. Supply electrical power (AMM 24-22-00).

XXXXXX C. Make sure the top and the bottom displays of the EICAS system are on (AMM 31-41-00).

- (1) Turn the EICAS BRT control on the pilots' display select panel clockwise to the fully bright position.

XXXXXX D. Make sure the EFIS system is on (AMM 34-22-00).

XXXXXX E. Push the LT OVRD switch-light on the left lighting control panel (P5) to off.

XXXXXX F. Make sure the RECIRC FAN L switch-light on the air condition control module (P5) is ON.

XXXXXX G. Put some tape over the two photocells on the autobright sensor in the P1-3 panel.

XXXXXX H. Set the captain's and first officer's EFIS controls on

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the P10 panel to MAP.

|
|____ XXXXX I. Make sure the CDUs on the left and right FMC system are on (AMM 34-61-00).

|
2. DO THE TEST OF THE PILOTS' MASTER DIM AND TEST INDICATOR LIGHTS (AMM 34-22-00-5).

____ XXXXX A. Turn all the BRT controls on the left and right EFIS control modules (P10) clockwise to the fully bright position.

NOTE: There are four BRT control knobs, two on each side.

____ XXXXX B. Turn the BRT control on the EICAS control panel (P9) clockwise to the fully bright position.

____ XXXXX C. Set the IND LTS control on the right lighting control panel (P5) to BRT.

____ XXXXX D. Push the TEST switch on the right lighting control panel.

|
(1) Make sure the right side of these switch-lights on the P5 panel come on brightly:

(a) C PUMPS LEFT in the fuel management control module.

(b) R ENG and APU in the bleed air control module.

|
(2) Make sure the left side of all other switch-lights mounted vertically in the P5 panel come on brightly.

|
(3) Make sure the top and the bottom of these switch-lights in the P5 panel come on brightly:

(a) RAM AIR TURB in the engine start control module

(b) EXT PWR in the electrical power control module

(c) L PACK RESET and R PACK RESET in the air condition control module

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- (4) Make sure the top and the bottom of the master CAUTION/WARNING switch-lights on the captain's and the first officer's P7 panels come on brightly.
- (5) Make sure the top and the bottom of the switch-lights for the L VOR and the R VOR control modules in the P55 panel come on brightly.
- (6) Make sure the top and the bottom of the GND PROX G/S INHIB switch-light on the P1-3 panel comes on brightly.
- (7) Make sure the EHSI and EADI for the captain and the first officer show the word TEST with a test pattern.

NOTE: When you push the TEST switch on the P5 panel, an internal test of the EFIS system starts. TEST OK must show on the EHSI and EADI displays. If TEST FAIL shows on these displays, do the operational test for the flight instrument system (AMM 34-22-00).

- (8) Make sure the bottom half of all the other switch-lights on the P5, P8, P55, and P61 panels come on brightly, but not these switch-lights:
 - (a) On the P1-1, P1-3, P3-1, and P3-3 panels:
 - 1) INSTR SOURCE SEL FLT DIR on the captain's and the first officer's instrument panels
 - 2) LEADING EDGE
 - 3) TRAILING EDGE
 - 4) GND PROX FLAP OVRD
 - 5) GND PROX/CONFIG GEAR OVRD
 - 6) RESERVE BRAKES
 - (b) On the P5 panel:

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- 1) All the switch-lights on the anti-collision and landing lights control panel
- 2) WING on the anti-ice control module
- 3) LT OVRD on the left lighting control panel

| (9) Make sure these lights come on brightly:

- (a) All annunciators on the P1-3, P3-1, P3-3, P5, P8, P10, and P61 panels:
- (b) All annunciators in the shape of an oval on the left and the right FMC CDUs in the P9 panel.
- (c) The ALT lights on the captain's and the first officer's altimeters in the P1-3 and the P3-3 panels

_____ XXXXX E. Set the IND LTS control on the right lighting control panel in the P5 panel to DIM.

| (1) Make sure all the annunciators and switch-lights you used to do the test up to this time go from bright to dim, but not the STBY POWER OFF annunciator (P5).

_____ XXXXX F. Push the TEST switch on the right lighting control panel (P5) again.

|_____ XXXXX G. Remove the tape from the bottom photocell on the autobright sensor in the P1-3 panel.

|_____ XXXXX H. Remove the tape from the top photocell on the autobright sensor in the P1-3 panel.

_____ XXXXX 3. CHECK AND REPLENISH ANY MISSING BULBS IN THE SPARE BULB COMPARTMENT.

4. PUT AIRPLANE BACK TO ITS INITIAL CONDITION AS FOLLOWS:

_____ XXXXX A. Push the RECIRC FAN L switch-light on the air condition

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module (P5) to inop.

_____ XXXXX B. Remove electrical power unless required for other
maintenance (AMM 24-22-00).

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

REVISION DATE: 08/20/04

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DATE WORK CARD COMPLETE ___/___/___