

**ATA AIRLINES, INC.**

NUMBER 1 ENGINE THRUST REVERSER LOCKING SYSTEM CHECK

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CHECK BEING PERFORMED: Custom

ZONES: 415 416  
A/C NUMBER:  
REV. DATE: 06/20/01  
FREQUENCY: 2A

W/C NUMBER: 241M7801      DATE:  
W/O:  
JAC CODE:

MFR P/N	DESCRIPTION	QTY
B78020-1	RETAINING PIN AND STREAMER SET	1EA

**REFERENCES**

AMM 78-31-00, 78-31-26

MECH      INSP

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NUMBER 1 ENGINE THRUST REVERSER MECHANICAL LOCKING SYSTEM TEST

XXXXX 1    PERFORM MECHANICAL LOCKING SYSTEM TEST FOR THE NUMBER 1 ENGINE.

WARNING: DO THE DEACTIVATION PROCEDURES TO PREVENT THE OPERATION OF THE THRUST REVERSER. THE ACCIDENTAL OPERATION OF THE THRUST REVERSER CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

A Perform the deactivation procedure for the thrust reverser for ground maintenance (AMM 78-31-00).

B Make sure the thrust reverser cowls are in the closed position.

Note: The cowls will remain close for the mechanical locking system test. If the cowls open during the test a fault may be present in the system.

C Manually unlock the lower locking actuator on the right thrust reverser half (AMM 78-31-00).

1 Install the pin and streamer through the indicator.

D Manually unlock the sync-lock on the right thrust reverser half (AMM 78-31-00).

1 Install the pin and streamer through the indicator.

CAUTION: DO NOT APPLY MORE THAN 165 POUND-INCHES (18.6 NM) OF TORQUE WHEN YOU EXTEND THE TRUST REVERSER. DAMAGE TO THE ACTUATORS AND ROTARY FLEX SHAFTS CAN OCCURE.

E Try to manually extent the thrust reverser at the external drive socket on the left thrust reverser half

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(AMM 78-31-00).

Note: The thrust reverser cowl should be closed and the left actuator lock should be in the locked position. All other locking restraints should be in the unlocked position.

- 1 Make sure that the two translating cowls do not move more than 0.06 inches (1.52 mm) aft.

Note: The cowls may move slightly because of the clearances of the actuation system.

- 2 If the cowls extend, replace the L.H. lower locking actuator (AMM 78-31-26) and repeat the check.

F Remove the pin and steamer and manually lock the lower locking actuator on the right thrust reverser half (AMM 78-31-00).

G Manually unlock the lower locking actuator on the left thrust reverser half (AMM 78-31-00).

- 1 Install the pin and streamer through the indicator.

CAUTION: DO NOT APPLY MORE THAN 165 POUND-INCHES (18.6 NM) OF TORQUE WHEN YOU EXTEND THE TRUST REVERSER. DAMAGE TO THE ACTUATORS AND ROTARY FLEX SHAFTS CAN OCCURE.

H Try to manually extent the thrust reverser at the external drive socket on the left thrust reverser half (AMM 78-31-00).

Note: The thrust reverser cowl should be closed and the right actuator lock should be in the locked position. All other locking restraints should be in the unlocked position.

- 1 Make sure that the two translating cowls do not move more than 0.06 inches (1.52 mm) aft.

Note: The cowls may move slightly because of the

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clearances of the actuation system.

2 If the L.H. cowls extends, replace the flexible crossover shaft (AMM 78-31-26) and repeat the check.

3 If both cowls extend, replace the R.H. lower locking actuator (AMM 78-31-26) and repeat check.

I Manually unlock the lower locking actuator on the right thrust reverser half (AMM 78-31-00).

1 Install the pin and streamer through the indicator.

J Remove the pin and streamer and manually lock the sync-lock on the right thrust reverser half (AMM 78-31-00).

CAUTION: DO NOT APPLY MORE THAN 165 POUND-INCHES (18.6 NM) OF TORQUE WHEN YOU EXTEND THE THRUST REVERSER. DAMAGE TO THE ACTUATORS AND ROTARY FLEX SHAFTS CAN OCCURE.

K Try to manually extent the thrust reverser at the external drive socket on the left thrust reverser half (AMM 78-31-00).

Note: The thrust reverser cowl should be closed and the sync-lock should be in the locked position. All other locking restraints should be in the unlocked position.

1 Make sure that the two translating cowls do not move more than 0.06 inches (1.52 mm) aft.

Note: The cowls may move slightly as the sync-lock fully engages.

L Remove the pins and streamers and manually lock the left and right lower locking actuators and the sync-lock (AMM 78-31-00).

\_\_\_\_\_ XXXXX 2 ACTIVATE THRUST REVERSER SYSTEM.

A Perform the thrust reverser activation procedure

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(AMM 78-31-00).

- B Make sure the two translating cowls are fully retracted and the manual unlocl indicators are smooth with the surface of the fairing.

\*\*\*\*\*END\*\*\*\*\*