Aviation Safety Investigation Report 199401449

Boeing Co B737

29 May 1994

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NOTE: All air safety occurrences reported to the ATSB are categorised and recorded. For a detailed explanation on Category definitions please refer to the ATSB website at www.atsb.gov.au.

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The Bureau did not conduct an on scene investigation of this occurrence. The information presented below was obtained from information supplied to the Bureau.

Occurrence Number: 199401449 Occurrence Type: Incident

Location: Melbourne

State: VIC **Inv Category:** 4

Date: Sunday 29 May 1994

Time: 1015 hours Time Zone **EST**

Highest Injury Level: None

Aircraft Manufacturer: Boeing Co Aircraft Model: 737-377

VH-CZP Aircraft Registration: Serial Number: 24305

Type of Operation: Air Transport Domestic High Capacity Passenger

Damage to Aircraft: Nil

Melbourne Vic **Departure Point:** 1015 EST **Departure Time:**

Destination:

Approved for Release: Monday, August 29, 1994

More than usual forward trim was required during and after takeoff. The auto pilot trim actuator ran out of forward trim and then ran continuously to full aft. The crew were unable to adequately manually trim forward. The aircraft returned for a normal descent and landing.

The auto pilot mach trim actuator was found to be inoperative. The actuator had been fitted during overnight maintenance and the observed problem occurred on the first flight after installation. Ground test procedures after installation had not shown up any problems.

Workshop rectification found anomalies with the backlash on the jackscrew and with the actuator length. The manufacturer advised that these anomalies would not have caused the problem that was experienced.

The actuator was refitted four days after the workshop check and has since operated satisfactorily. The cause of the inflight problem was not discovered.