

Scandinavian Airlines System

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CHAPTER 08 - LEVELING & WEIGHING

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LEVELING - MAINTENANCE PRACTICES

1. General

- A. The airplane is supplied with one lateral and one longitudinal inclinometer, and a plumb bob leveling scale, as leveling indicators. The inclinometers and plumb bob leveling scale are on the keel beam near the front of the left main wheel well (Fig. 201 and 202).
- B. For small adjustments to make the airplane level, the landing gear shock struts are inflated or deflated as necessary. For larger adjustments, the airplane must be lifted on jacks.
- C. Procedures to weigh the airplane are included in the airplane Weight and Balance Manual.

TASK 08-21-00-582-001

2. Make the Airplane Level

- A. Equipment
 - (1) Door Locks, Landing Gear - (AMM 32-00-15/201)
 - (2) Plumb Bob - commercially available
- B. References
 - (1) AMM 07-11-01/201, Jacking Airplane
 - (2) AMM 10-11-01/201, Normal Parking
 - (3) AMM 12-15-01/301, Main Gear Shock Strut
 - (4) AMM 12-15-02/301, Nose Gear Shock Strut
 - (5) AMM 32-00-15/201, Landing Gear Door Locks
 - (6) AMM 32-00-20/201, Landing Gear Downlocks
- C. Prepare to Make the Airplane Level

S 582-002

- (1) Park the airplane in a level position. The airplane must be very level before you do this procedure (AMM 10-11-01/201).

S 492-003

- (2) Make sure the downlocks are installed on the nose and main landing gear (AMM 32-00-20/201).

S 492-004

WARNING: USE THE PROCEDURE IN (AMM 32-00-15/201) TO INSTALL THE DOOR LOCKS. THE DOORS OPEN AND CLOSE QUICKLY AND CAN CAUSE INJURY TO PERSONS OR DAMAGE TO EQUIPMENT.

- (3) Open the door of the left main landing gear and install the door lock (AMM 32-00-15/201).

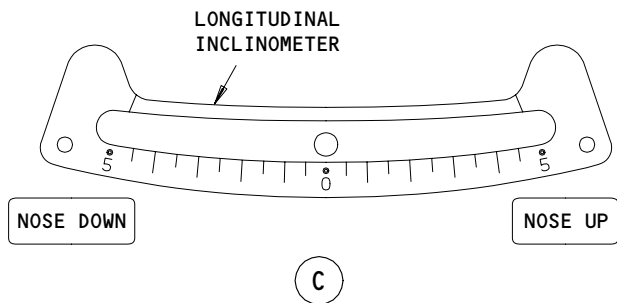
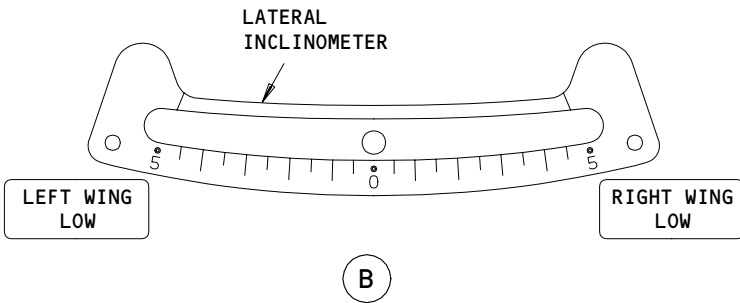
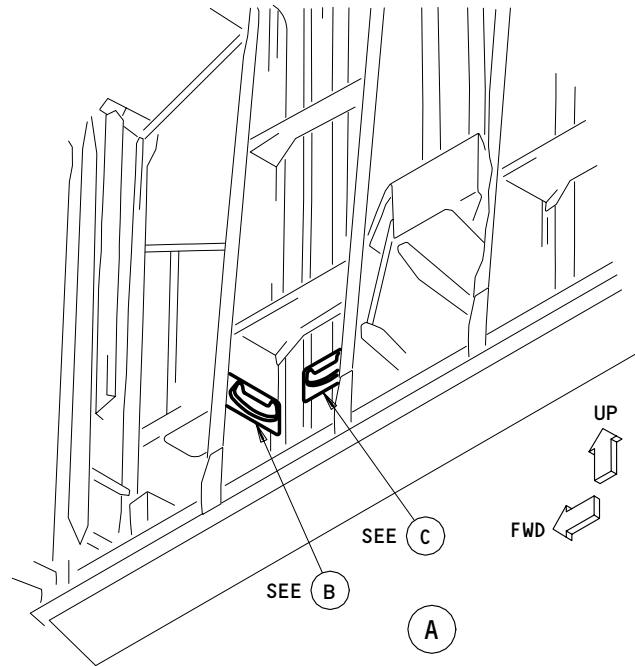
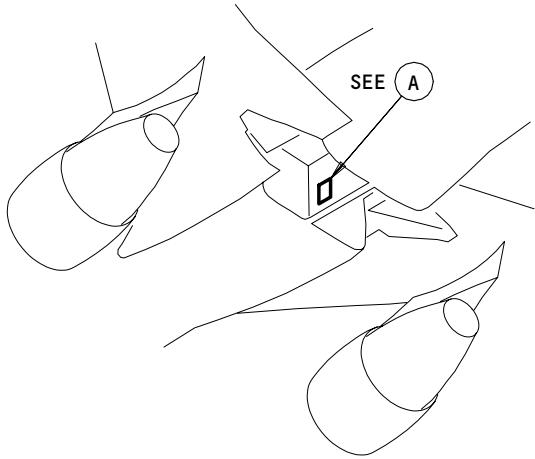
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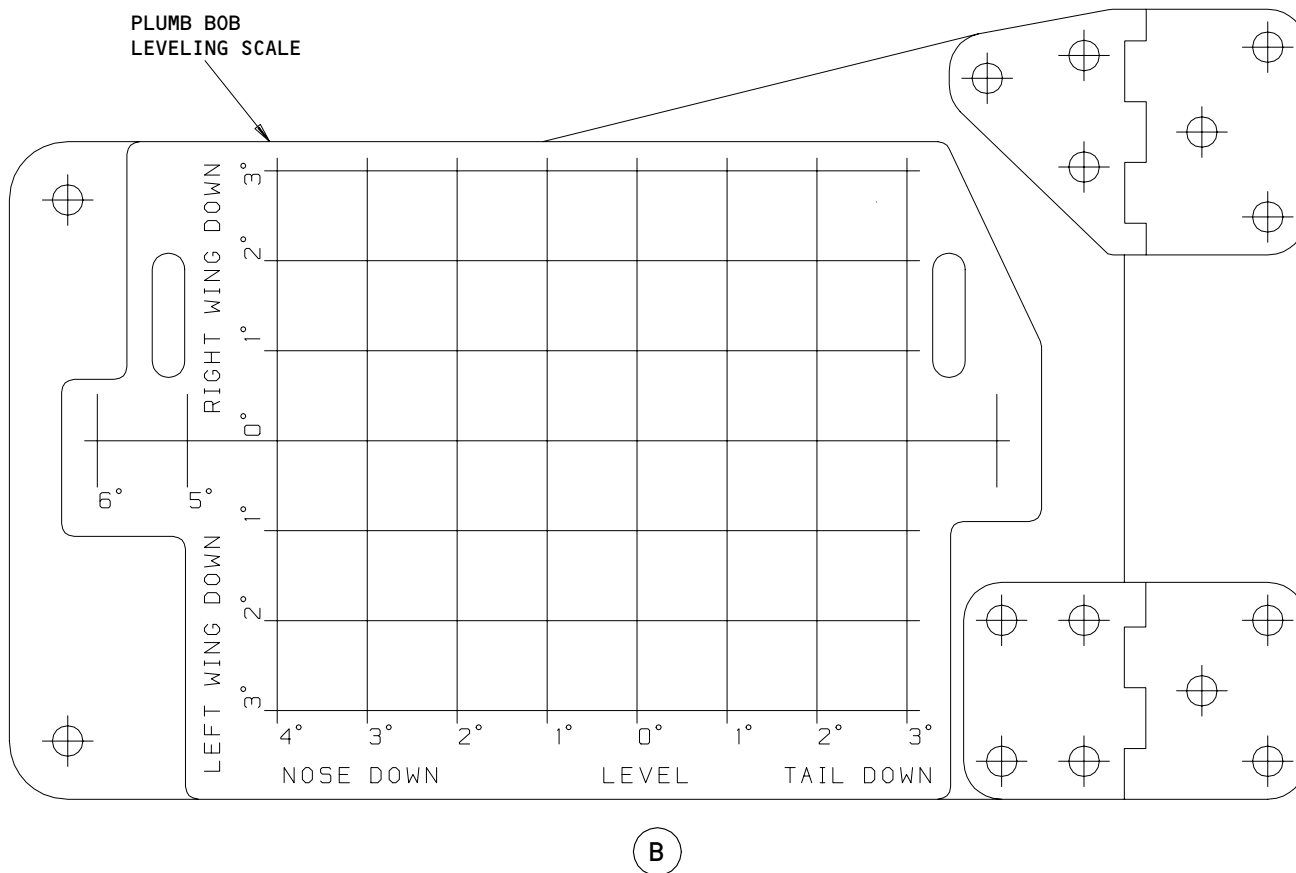
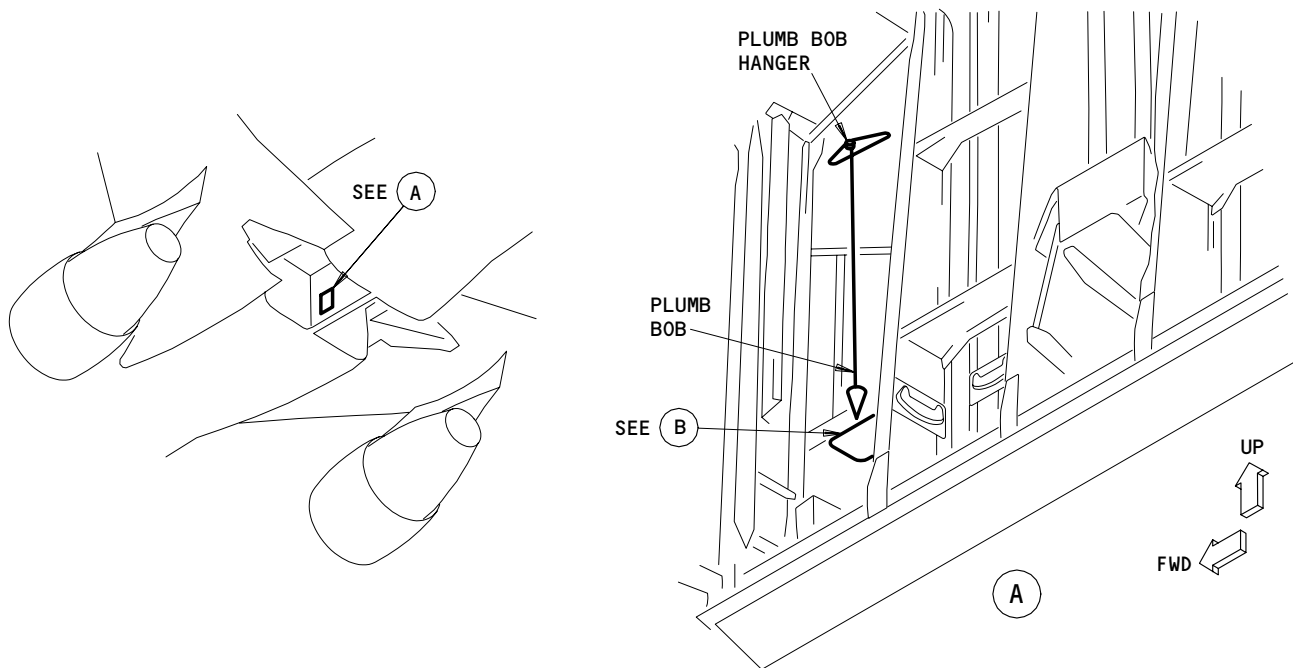
Airplane Leveling Inclinometers
Figure 201

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Airplane Leveling Plumb Bob and Scale
Figure 202

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D. Procedure

S 822-005

- (1) Look at the position of the lateral and longitudinal inclinometers (Fig. 201). Also look at the plumb bob and leveling scale (Fig. 202). When it is necessary, level the airplane with the landing gear. Use one of the procedures that follows:
 - (a) Inflate or deflate the applicable landing gear shock struts until the inclinometers or plumb bob are at zero degrees.
 - 1) Adjust the shock struts of the main landing gear (AMM 12-15-01/301).
 - 2) Adjust the shock strut of the nose landing gear (AMM 12-15-02/301).

S 582-006

- (2) Lift the airplane on jacks until the inclinometers or the plumb bob are at zero degrees (AMM 07-11-01/201).

E. Put the Airplane Back to Its Initial Condition

S 582-007

- (1) Lower the airplane off of the jacks (AMM 07-11-01/201).

S 412-008

WARNING: USE THE PROCEDURE IN (AMM 32-00-15/201) TO REMOVE THE DOOR LOCKS. THE DOORS OPEN AND CLOSE QUICKLY AND CAN CAUSE INJURY TO PERSONS OR DAMAGE TO EQUIPMENT.

- (2) Remove the door lock from the door of the left main landing gear and close the door (AMM 32-00-15/201).

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INCLINOMETERS – REMOVAL/INSTALLATION

1. General

- A. The airplane is supplied with one lateral and one longitudinal inclinometer. The inclinometers are on the keel beam near the front of the left main wheel well (Fig. 401).
- B. This procedure contains two tasks. There is one task for removal of lateral/longitudinal inclinometer. There is one task for installation of lateral/longitudinal inclinometer.

TASK 08-21-00-004-004

2. Inclinometer Removal

- A. Access
 - (1) Location Zones
139 Keel Beam

B. Procedure

- S 004-003
 - (1) Remove a screw and washer from each end of the inclinometer.
- S 004-002
 - (2) Remove the inclinometer.

TASK 08-21-00-404-005

3. Inclinometer Installation

- A. Equipment
 - (1) Plumb Bob – commercially available
- B. References
 - (1) 08-21-00/201, Make the Airplane level
- C. Access
 - (1) Location Zones
139 Keel Beam

D. Procedure

- S 584-006
 - (1) Park the airplane in the most level position available.
- S 824-007
 - (2) Using the plumb bob, level the airplane (AMM 08-21-00/201).

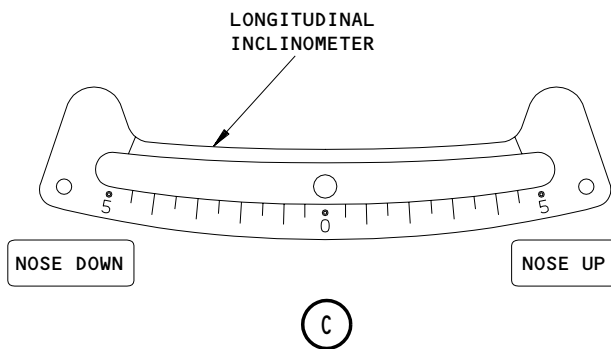
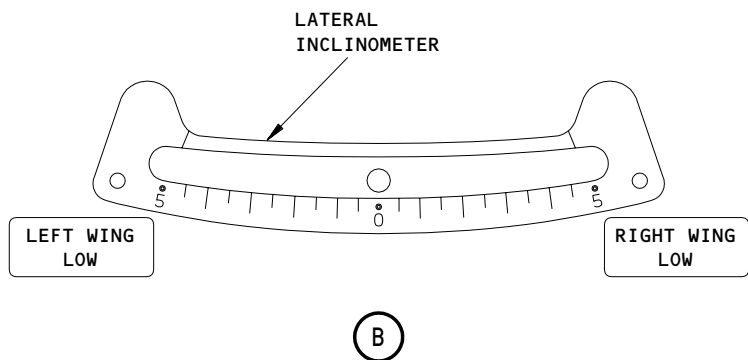
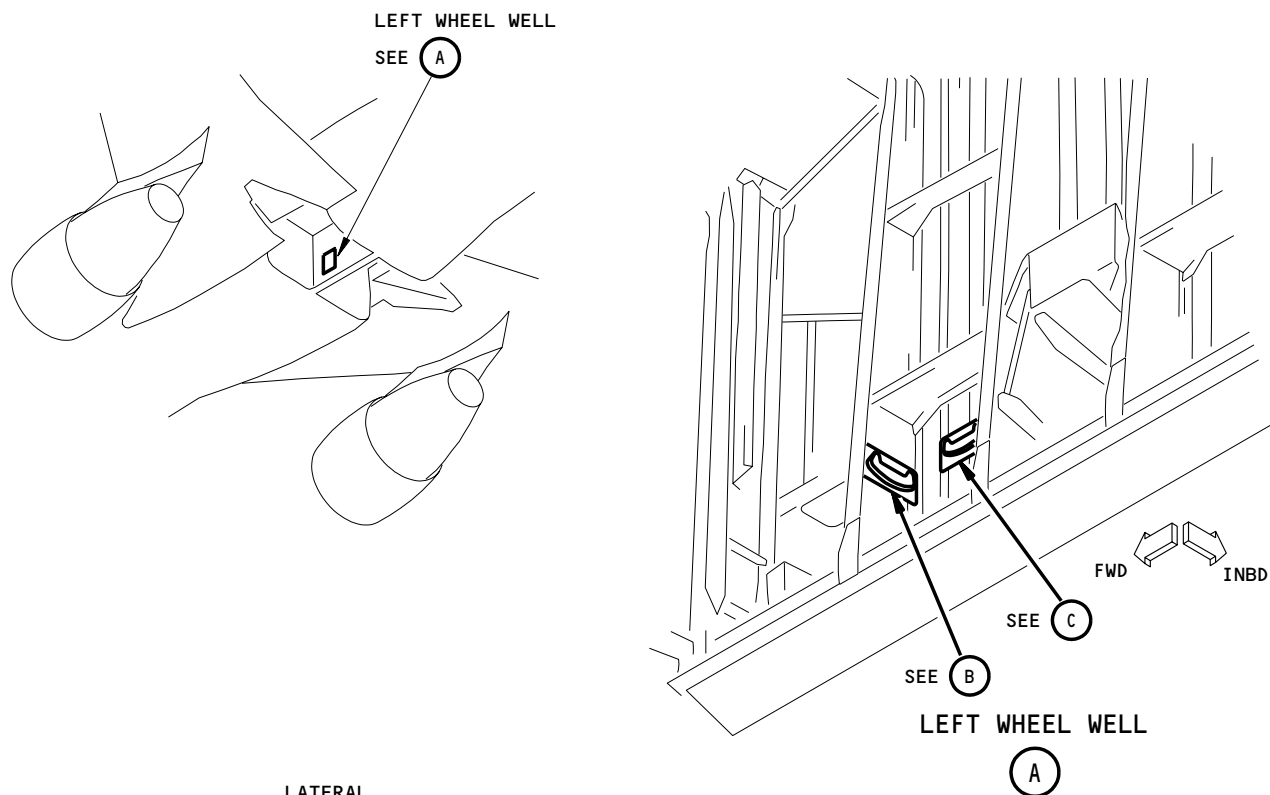
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Inclinometer Installation
Figure 401

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S 404-008

- (3) With airplane leveled, install the lateral/longitudinal inclinometer with ball at zero of scale.

NOTE: It may be necessary to tap on the top of the inclinometer to center the ball properly.

S 404-009

- (4) Install the washer and screw at each end of the inclinometer.

S 824-010

- (5) Restore the airplane to normal.

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WEIGHING - MAINTENANCE PRACTICES

TASK 08-31-00-582-090

1. Weighing - Maintenance Practices

A. General

- (1) Refer to the Weight and Balance Manual for procedures to prepare the airplane to be weighed.
- (2) Refer to the Weight and Balance Manual for procedures to weigh the airplane.

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