



SUBJECT: ENLARGED VERTICAL REFERENCE WINDOW (P/N 350-201154 and 355-201154)

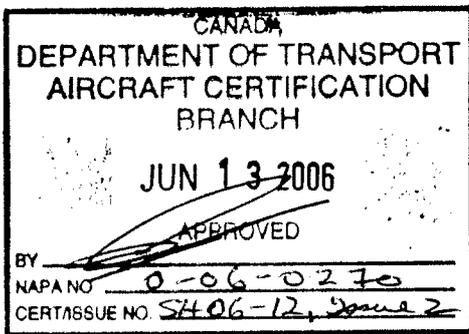
The Enlarged Vertical Reference Window is mounted in the floor of the aircraft with a corresponding window in the belly panel. The enlarged window provides better pilot reference, for long line operations.

APPLICABILITY:

This Flight Manual Supplement shall be used when the Enlarged Vertical Reference Window is installed on the helicopter.

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IMPORTANT NOTE



THE INFORMATION AND DATA CONTAINED IN THIS DOCUMENT SUPERSEDE OR SUPPLEMENT THAT CONTAINED IN THE BASIC APPROVED FLIGHT MANUAL FOR THE AS 350 OR AS 355 HELICOPTER IN THOSE AREAS LISTED HEREIN. FOR LIMITATIONS, PROCEDURES AND PERFORMANCE NOT CONTAINED IN THIS DOCUMENT REFER TO THE APPROVED FLIGHT MANUAL AND OTHER APPLICABLE APPROVED FLIGHT MANUAL SUPPLEMENT.

SECTIONS 2, 3, 4, AND 5 OF THIS DOCUMENT COMPRISE THE APPROVED FLIGHT MANUAL SUPPLEMENT. COMPLIANCE WITH SECTION 2, LIMITATIONS, IS MANDATORY.

SECTIONS 1 AND 6 ARE UNAPPROVED AND ARE PROVIDED FOR INFORMATION ONLY.

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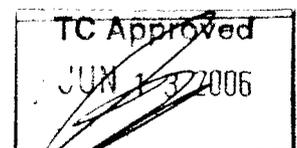
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1. GENERAL (unapproved)

The Enlarged Vertical Reference Window is an optional window for the AS350/AS355 mounted in the floor of the aircraft, just outboard of the pilot's seat, with a corresponding window in the belly panel. The enlarged window provides better pilot reference, as in long line operations.

The belly panel window extends back beyond the aft edge of the lower front fairing. An extension is attached to the back of this fairing, on the right hand side. The front of the intermediate fairing is trimmed back by a similar amount. The landing light, which is located in the right hand side of the intermediate fairing, is relocated lower and aft, to clear the enlarged window. Provisions for the light are included in the modifications to the intermediate panel.

This installation includes an option for a second torque indicator (AS 350 B2 only), located where it is visible through the floor window. This allows the pilot to monitor the torque during long line operations. It is activated using a switch on the instrument panel, with selection for either the floor or panel mounted indicator.

The AS355 utilized a smaller floor doubler than the AS 350. A floor window stiffener is also installed under the cabin floor just inboard of the floor window.

The fire extinguisher is relocated from its position in the basic aircraft to either:

- back of the pilots seat (-01 variant, AS 350 and AS 355) or
- AFT of the pilots collective housing or inboard of pilots collective housing (-02 variant, AS 350 only)

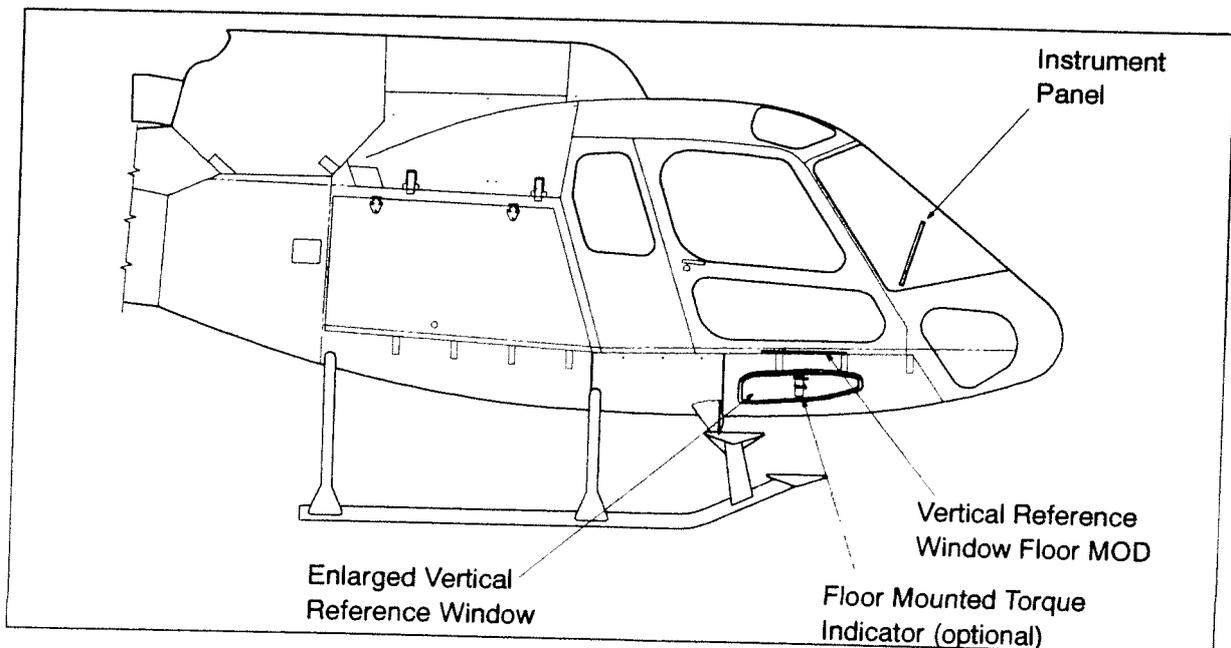
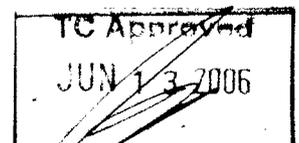


Figure 1 Enlarged Vertical Reference Window

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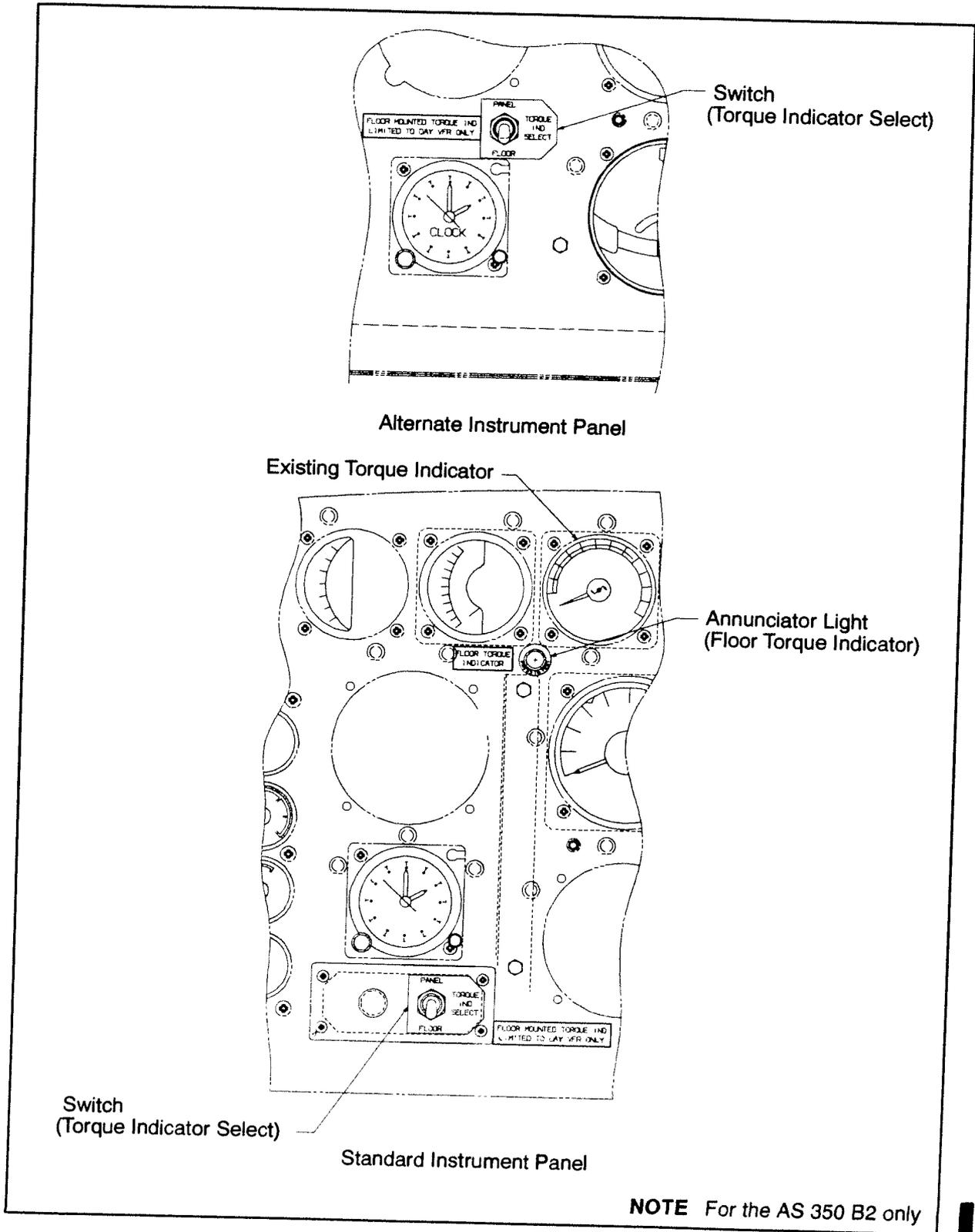


Figure 2 Switch and Annunciator locations for Optional Torque Indicator Installation

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2. LIMITATIONS

The following Limitations are applicable if the optional Floor Mounted Torque Indicator (AS 350 B2 only) is installed.

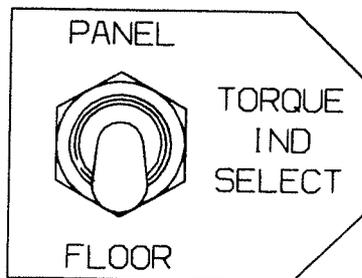
a. Operation

Operation of the Floor Mounted Torque Indicator is limited to day VFR operation only.

b. Placards

There are three placards associated with the optional Floor Mounted Torque Indicator installation. For placard location, refer to Figure 2.

1) Placard:



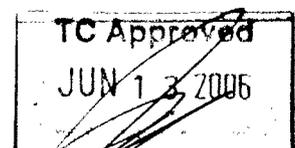
Location: Located on lower LHS on standard Instrument Panel, or middle of Instrument Panel on alternate Instrument Panel.

2) Placard:

**FLOOR MOUNTED TORQUE IND
LIMITED TO DAY VFR ONLY**

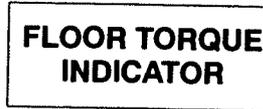
Location: Located on lower LHS on standard Instrument Panel, or middle of Instrument Panel on alternate Instrument Panel.

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3) Placard:



Location: Located on upper LHS on standard Instrument Panel.

3. EMERGENCY PROCEDURES

- **Malfunction of Floor Mounted Torque Indicator (if installed)**

| | | |
|------------------|---|------------------------------------------|
| Instrument Panel | : | Select TORQUE IND SELECT switch to PANEL |
|------------------|---|------------------------------------------|

4. NORMAL PROCEDURE

a. **Pre-Flight Check**

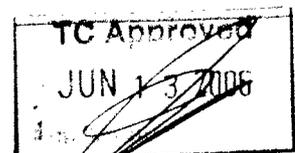
The following check is to be carried out prior to every flight requiring the use of the Enlarged Vertical Reference Window.

| | | |
|-------------|---|-------------------------------------------|
| Cleanliness | : | Clean floor window and belly panel window |
|-------------|---|-------------------------------------------|

The following check is to be carried out prior to every flight requiring the use of the Floor Mounted Torque Indicator (if installed).

| | | |
|----------------------------------------------------------------|---|-------------------------------|
| Press FLOOR TORQUE INDICATOR "press to test" annunciator light | : | Annunciator light illuminates |
|----------------------------------------------------------------|---|-------------------------------|

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b. Operation

1) Floor Mounted Torque Indicator (if installed, refer to Figure 3)

Switches on the Instrument Panel function as follows:

- TORQUE IND SELECT Switch : Select PANEL to activate panel mounted indicator
- : Select FLOOR to activate floor mounted indicator

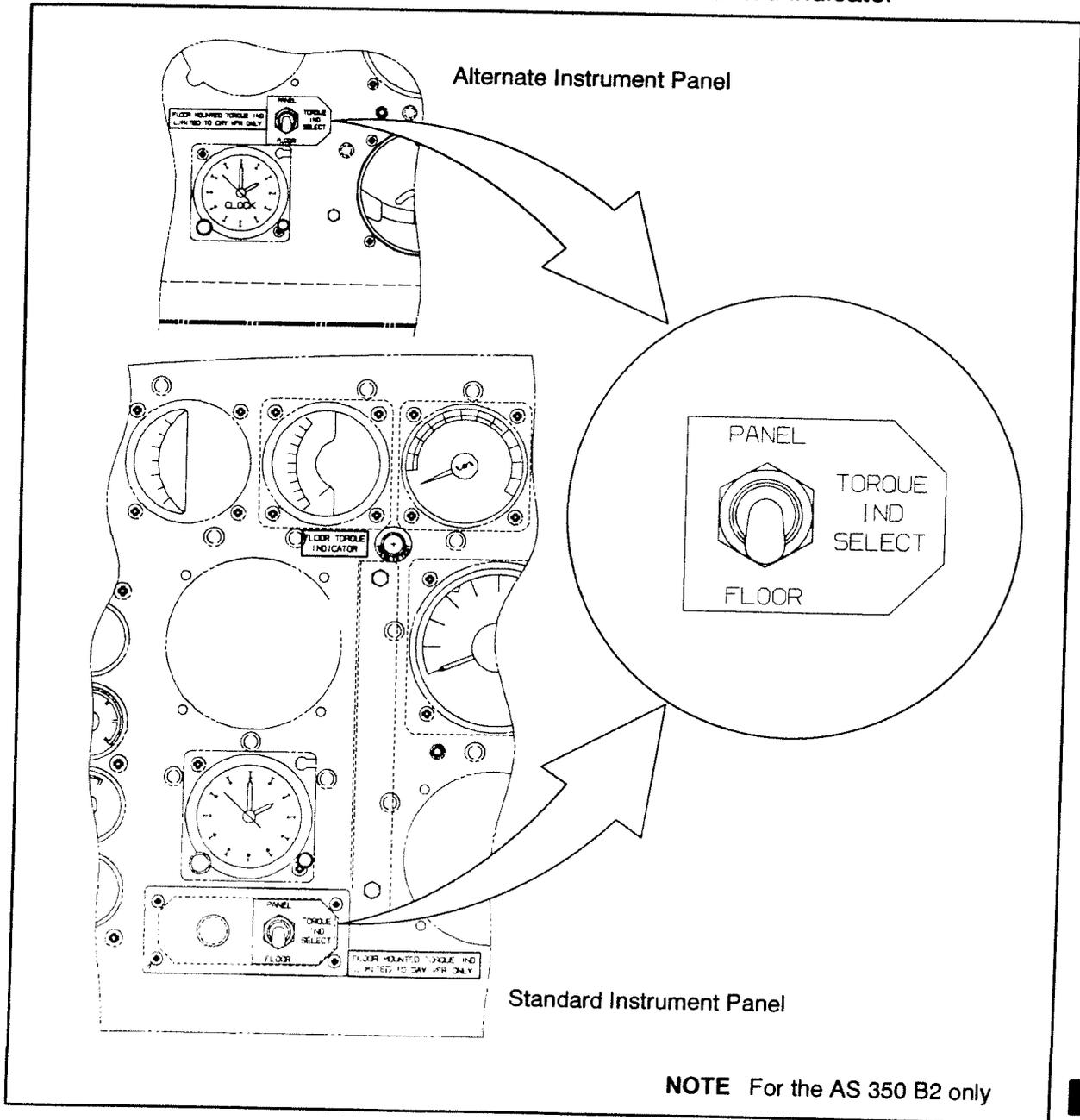
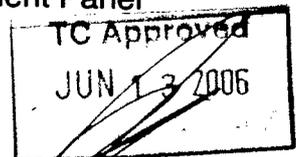


Figure 3 View of Torque Indicator Select Switch on the Instrument Panel

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b. **Operation** (continued)

- 2) Press to Test Button (if installed, refer to Figure 4)

PRESS TO TEST push button : Push button to test Floor mounted indicator annunciator

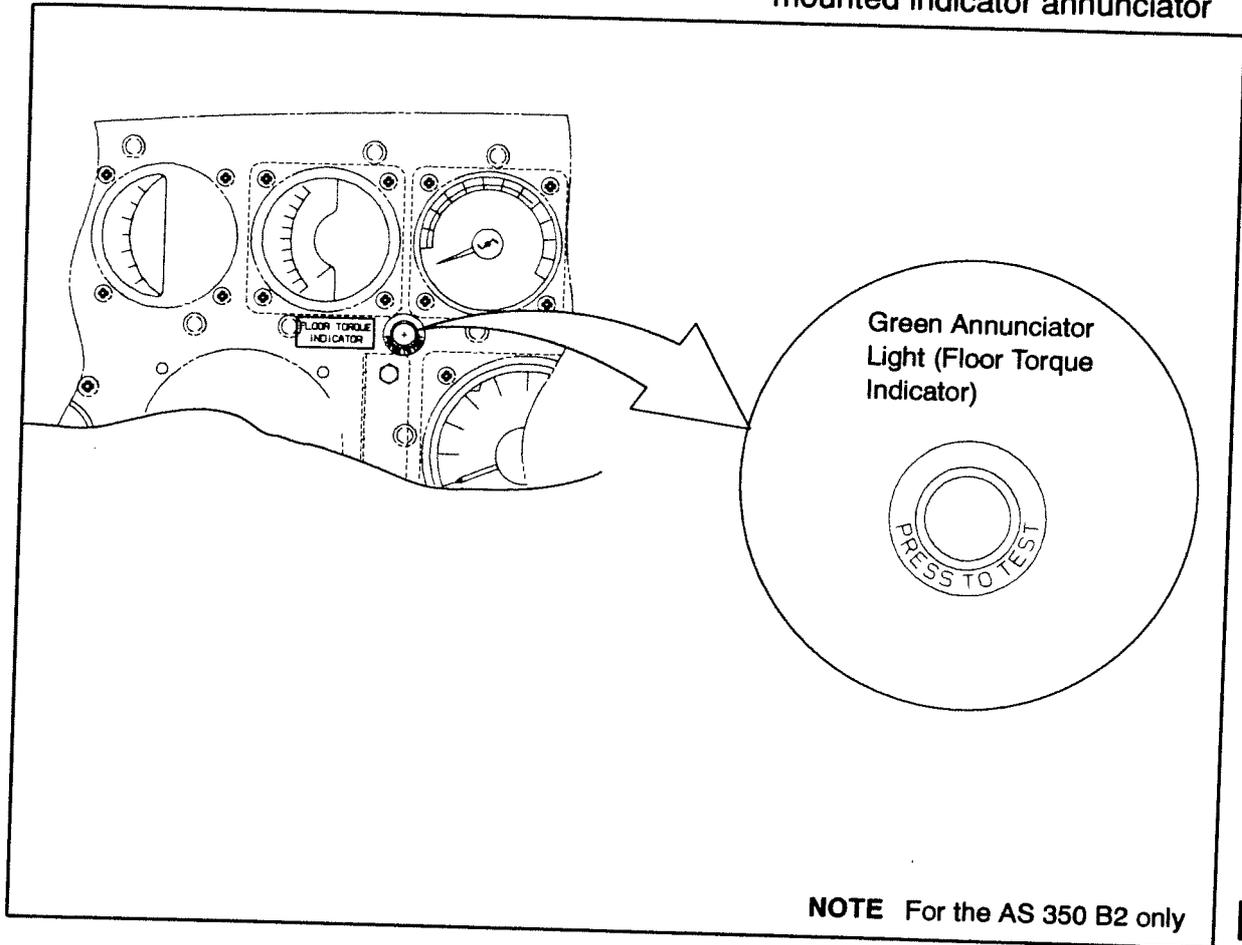
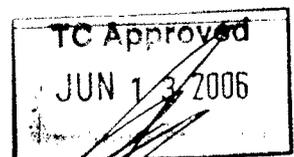


Figure 4 View of Press to Test Button on the Instrument Panel

5. **PERFORMANCE DATA**

No change.

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**FLIGHT MANUAL SUPPLEMENT
ENLARGED VERTICAL REFERENCE WINDOW
AS 350 / AS 355**

6. WEIGHT AND BALANCE (removable items) (unapproved)

Total changes to weight and balance resulting from this modification are covered in the applicable Instructions for Continued Airworthiness.

Items that are removed between routine operations: Not applicable

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