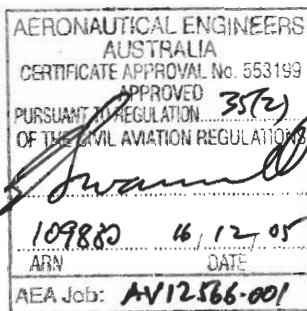


**AERONAUTICAL ENGINEERS AUSTRALIA PTY LTD**

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**AIRCRAFT DESIGN SPECIALISTS • AIRCRAFT WEIGHT CONTROL AUTHORITY****ENGINEERING ORDER****Number:** EO12566.001/1**Title:** Indicator Lamp Installations**Distribution:** Dinsdale and Associates

Issue	Date	Prepared	Chkd	Approved	Description
1	14/12/05	S. Amery	BJB	G. SWANNEL	Original Issue

**APPROVAL STAMP**

- Weight and Balance Update Required - No
- Electrical Load Analysis Update Required - Yes
- Flight Manual Supplement Required - No
- Testing Required - Yes
- Ongoing Airworthiness Changes Required - No
- CASA Action Required - No
- IFR/VFR - IFR

**1. APPLICABILITY:**

<b>Aircraft:</b>	<b>Model:</b>	<b>Regn. No:</b>	<b>Serial No.:</b>
Rockwell	114	VH-DDY	14280

**2. REASON FOR ENGINEERING ORDER:**

This engineering order approves the installation of 3 indicator lamps P/N MS25041-4.

One indicator is for the auxiliary fuel pump to show when fuel pump is On.

Two indicators are for the Gear Motor. One indicating Gear Motor Up, the other to indicate Gear Motor Down.

### **3. ACCOMPLISHMENT INSTRUCTIONS:**

*Note: The compatibility of this design with the basic aircraft has been based on information currently available. It is the installer's responsibility to report back on conflict with any existing repairs and/or modifications. This repair/modification may affect future repairs in accordance with the Structural Repair Manual (or Maintenance Manual). Contact Aeronautical Engineers Australia if clarification is required.*

#### **3.1 Details:**

- 3.1.1. Install the indicator lamps to the instrument panel to the locations indicated in Figure 1. Secure using supplied hardware.
- 3.1.2. Interwire the indicator lamps in accordance with Figures 2 and 3.
- 3.1.3. Placard each indicator to state its function as follows, FUEL PUMP, GEAR UP, GEAR DOWN. The text is to be a minimum of 3mm in height and is to be on a contrasting background such as black text on a white background or vice versa.

#### **3.2 Weight and Balance:**

- 3.2.1. Weight and balance change associated with the indicator lamps is negligible. No further action required.

#### **3.3 Electrical Load Analysis**

- 3.3.1. The change to the Electrical Load Analysis as a result of the indicator lamps is negligible. A simple hand amendment to the additional modifications listed on the cover page of the Electrical Load Analysis to record the changes is all that is required.

#### **3.4 Testing:**

- 3.4.1. Conduct functional tests of the indicator lamps to ensure correct operation.

#### **3.5 Ongoing Airworthiness:**

- 3.5.1. No additional ongoing airworthiness instructions are required as a result of this modification.

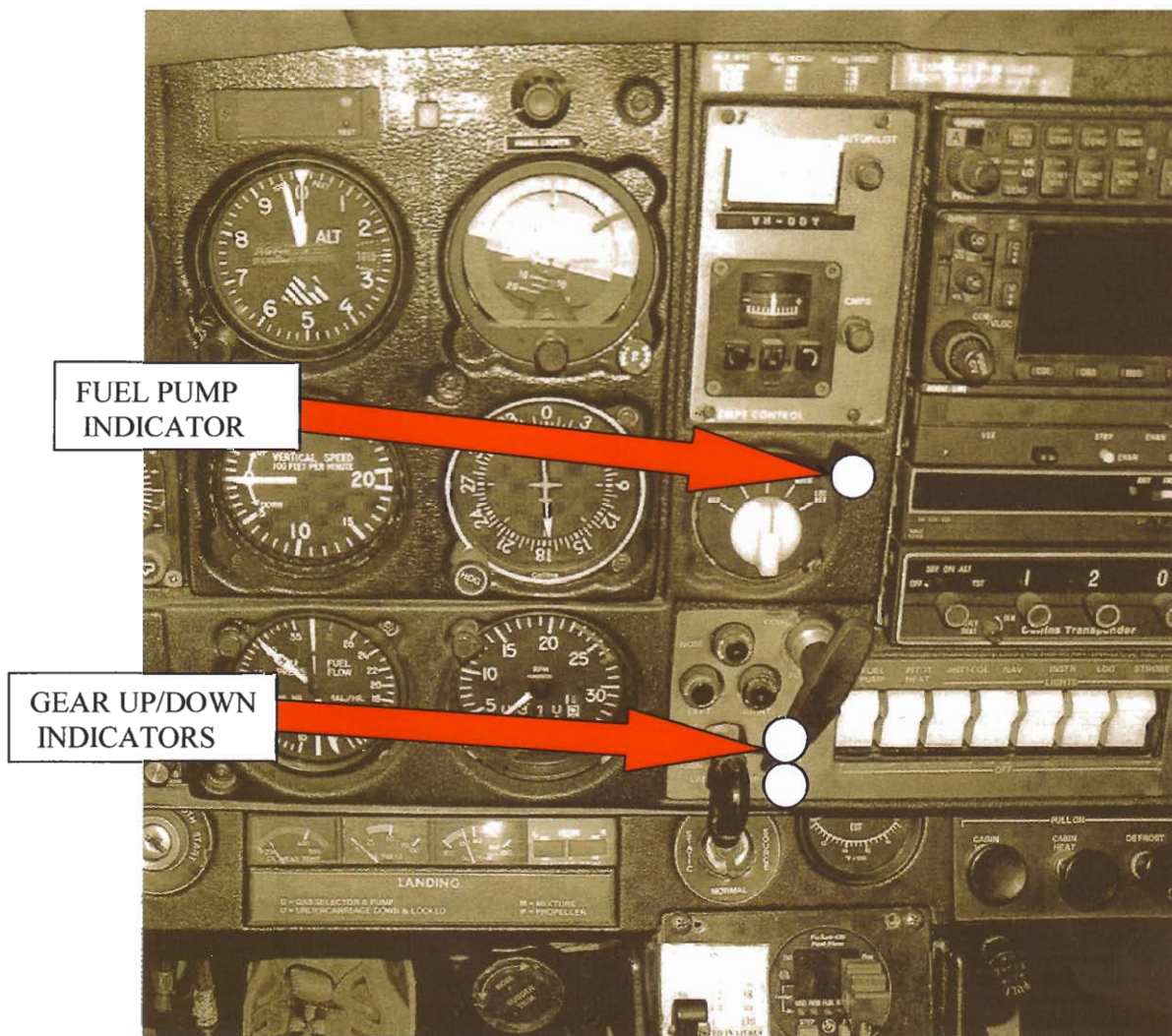
### **4. STANDARD NOTES:**

- 4.1. All work to be conducted by a CASA approved workshop using standard aircraft practices.
- 4.2. This engineering order may not be construed as changing the applicability of an Airworthiness Directive.
- 4.3. Observe standard aircraft practices in accordance with AC43.13-1B Chapter 11.

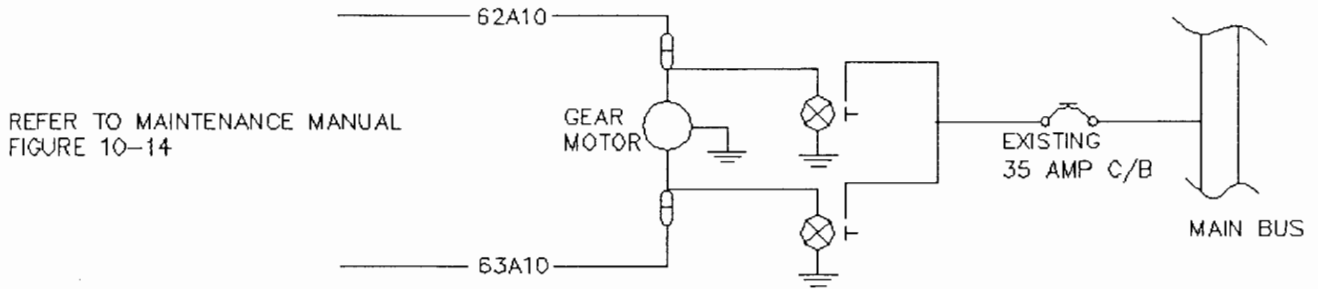
- 4.4. All new unshielded wire to meet M22759/16 specifications. All new shielded wiring to meet MIL-C-27500. Wire gauge as indicated in the wiring diagram. All wiring to be in accordance with CAO 108.32.

**5. LOGBOOK ENTRY:**

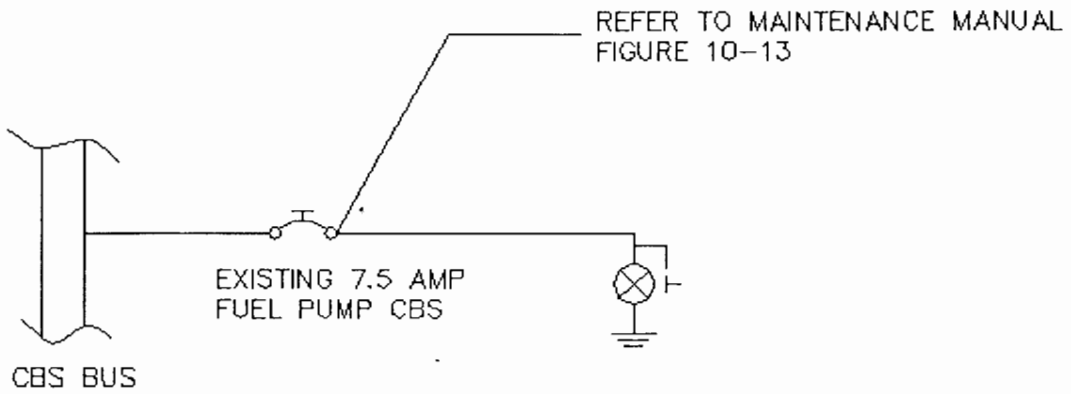
- 5.1. Annotate the aircraft's logbook to state that indicator lamps were installed in accordance with this issue of *Aeronautical Engineers Australia* engineering order EO12566.001/1.



**FIGURE 1: Indicator Lamp Locations.**



**FIGURE 2: Gear Up/Down Indicators**



**FIGURE 3: Fuel Pump Indicator**