ALPHA AVIATION

# SERVICE BULLETIN

## AA-SB-32-002

### Installation of Alternate Nose Undercarriage Leg Assembly

## 1. Planning Information

**1.1 EFFECTIVITY**

HR200 Series Aircraft S/N 001 to 378
R2000 Series Aircraft S/N 001 to 378

**1.2 CONCURRENT REQUIREMENTS**

NIL

**1.3 REASON**

The part number of the nose leg assembly has changed for current production aircraft and there is no longer production of the original APEX part number.

**1.4 DESCRIPTION**

Allow the installation of new Alpha Aviation manufactured undercarriage nose leg assemblies on legacy APEX manufactured Robin aircraft.

**1.5 COMPLIANCE**

At operators option

**1.6 APPROVAL**

Civil Aviation Authority of New Zealand

**1.7 WEIGHT AND BALANCE**

No Change

**1.8 REFERENCES**

APEX R2000 Service Manual S/N 001 to 378
APEX HR200 Service Manual S/N 001 to 378
HR200 & R2000 Illustrated Parts Catalogue

**1.9 OTHER PUBLICATIONS AFFECTED**

NIL

CIVIL AVIATION AUTHORITY CAA APPROVED FOR DIRECTOR OF NEW ZEALAND
29 MAR 2010
10/m00/29

## 2. Material Information

**2.1 MATERIALS IDENTIFICATION**

| Part Number | Description | Quantity |
|---|---|---|
| 60-32-022-002 | Nose Gear Assembly | 1 |

**2.2 CONSUMABLES**

NIL

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**2.3 PUBLICATIONS AFFECTED**

There are no changes required to current maintenance publications.

**2.4 SPECIAL TOOLING**

NIL

## 3. Accomplishment Instructions

With reference to the aircraft Service Manual Section 6.

**3.1 REMOVAL**

(a) Mark the nose leg pivot pin nut (IPC Figure 200 Item 44) to identify the orientation and location of the locking screw (IPC Figure 200 Item 45)
(b) Remove the nose leg pivot pin (IPC Figure 200 Item 42)
(c) Remove the nose leg assembly (Part Number 42.23.00.00, IPC Figure 200 Items 1 to 31 & 55)

**3.1 INSTALLATION**

(a) Locate the Alpha Aviation nose leg assembly (Part Number 60-32-022-002) over the nose gear attaching mount (IPC Figure 200 Item 41).
(b) Re-install the nose leg pivot pin (IPC Figure 200 Item 42)
(c) Re-install the nose leg pivot pin nut (IPC Figure 200 Item 44) ensuring the orientation and location of the locking screw (IPC Figure 200 Item 45) is maintained.

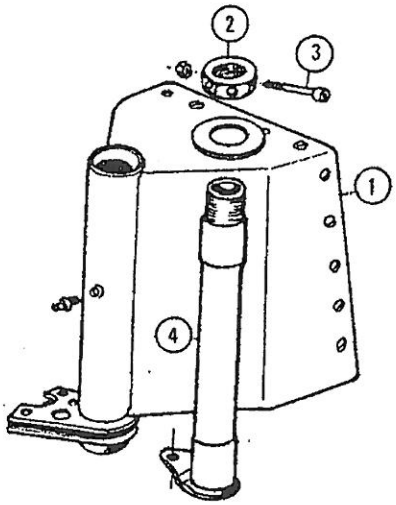


**Figure 1 : Exploded View of the Nose Attach Mount**

| Item No. | Description |
|---|---|
| 1 | Nose Gear Attaching Mount |
| 2 | Nose Leg Pivot Pin Nut |
| 3 | Locking Screw |
| 4 | Nose Leg Pivot Pin |

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