

Raytheon Aircraft

SERVICE BULLETIN

A24R, B24R, C24R

No. 2683
ATA Code 32-20

Kit No. 23-8011-1

SUBJECT: LANDING GEAR - NOSE GEAR DOWN LOCK SWITCH INSTALLATION

REASON: This Service Bulletin is being issued to announce the availability of a kit to install an additional down lock switch in the nose landing gear down lock sensing circuit. The switch is attached to the nose landing gear down lock hook assembly and provides a redundant indication when the nose gear is down and locked.

EFFECTIVITY: BEECH Sierra A24R, serials MC-2 through MC-150;
Sierra 200 B24R, serials MC-152 through MC-448, MC-450, and MC-451;
Sierra 200 C24R, serials MC-449, MC-452 through MC-795.

COMPLIANCE: Raytheon Aircraft Company considers compliance to be at the owner's/operator's option.

APPROVAL: Engineering data contained in this Service Bulletin is FAA Approved.

MANPOWER: The following information is for planning purposes only:
Estimated man-hours: 8 hours.
Suggested number of men: 1 man.

The above is an estimate based on experienced, properly equipped personnel complying with this Service Bulletin. Occasionally, after work has started, conditions may be found which could result in additional man-hours.

None, 0

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Raytheon Aircraft Company (RAC) issues Service Information for the benefit of owners and fixed based operators in the form of two classes of Service Bulletins. The first class, Mandatory Service Bulletins (red border) includes changes, inspections and modifications that could affect safety or airworthiness. RAC considers compliance with these Service Bulletins to be mandatory. RAC also issues Service Bulletins with no border which are designated as either recommended or optional in the Compliance section within the bulletin. In the case of recommended Service Bulletins, RAC feels the changes, modifications, improvements or inspections will benefit the owner/operator and although highly recommended, Recommended Service Bulletins are not considered mandatory at the time of issuance. In the case of optional Service Bulletins, compliance with the changes, modifications, improvements or inspections is at the owner/operator's discretion. Both classes are mailed to:

(b) Owners of record on the FAA Aircraft Registration Branch List and the RAC International Owner Notification Service List.

(c) Those having a publications subscription.

Information on Owner Notification Service or subscriptions can be obtained through any RAC Authorized Service Center. As Mandatory Service Bulletins and Service Bulletins are issued temporary notification in the Service Bulletin Master Index should be made until the index is revised. Warranty will be allowed only when specifically defined in the Service Bulletin and in accordance with the RAC Warranty Policy.

Unless otherwise designated, RAC Mandatory Service Bulletins, Service Bulletins and RAC Kits are approved for installation on RAC airplanes in original or RAC modified configurations only. RAC Mandatory Service Bulletins, Service Bulletins and Kits may not be compatible with airplanes modified by STC installations or modifications other than RAC approved kits.

(a) RAC Authorized Service Centers

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MATERIAL: The following parts required for this modification may be ordered through a Raytheon Aircraft Authorized Service Center:

Part Number	Description	Quantity Per Airplane
23-8011-1	Nose Gear Down Lock Switch Installation Kit	1

Raytheon Aircraft Company expressly reserves the right to supersede, cancel, and/or declare obsolete, without prior notice, any kits, parts, or publications that may be referenced in this Service Bulletin.

NOTICE

All Raytheon Aircraft kits, unless otherwise designated, are approved for installation on Raytheon Aircraft airplanes in original or Raytheon Aircraft modified configurations only. Raytheon Aircraft kits may not be compatible with airplanes modified by STC installations or modifications other than Raytheon Aircraft approved kits.

SPARES AFFECTED: None.

WARRANTY CREDIT: None.

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: Negligible.

REFERENCES: None.

PUBLICATIONS

AFFECTED: It is recommended that a note "See Service Bulletin No. 2683" be made in the following:

BEEHCRAFT 19, 23, & 24 Shop Manual, P/N 169-590015G5 or subsequent;
BEEHCRAFT C24R Wiring Diagram Manual, P/N 169-590025-17A1 or subsequent;
BEEHCRAFT 19, 23, & 24 Parts Catalog, P/N 169-590012J2 or subsequent;
BEEHCRAFT B19, C23, & C24R Parts Catalog, P/N 169-590026E1 or subsequent.

ACCOMPLISHMENT

INSTRUCTIONS: The parts and information required to accomplish this modification are contained in the "Nose Gear Down Lock Switch Installation Kit" listed under the MATERIAL section.

RECORD COMPLIANCE: Upon completion of this Service Bulletin, make an appropriate maintenance record entry specifying the kit identification number and the kit serial number. It is recommended that the parts list contained in the kit be filed for future reference until the listing of parts has been incorporated into the Parts Catalog and Wiring Diagram Manual.

NOTE

If you are no longer in possession of this airplane, please forward this information to the present owner.