

24

No. 0728-206
ATA Code 32-60

Kit No. 23-8008-1 S

SUBJECT: LANDING GEAR - INSTALLATION OF IMPROVED NOSE LANDING GEAR LIMIT SWITCH

EFFECTIVITY: BEECHCRAFT A24R, serials MC-2 through MC-95;
A24R and B24R Sierra 200, serials MC-96 through MC-383 except MC-104.

REASON: To provide an improved nose landing gear limit switch.

COMPLIANCE: Beech Aircraft Corporation recommends this change be accomplished as soon as practical after receipt of these Service Instructions but no later than the next 50 service hours.

DESCRIPTION: The existing landing gear limit switch assemblies are to be removed from the nose landing gear assembly and replaced with an improved limit switch assembly.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

Estimated man-hours: 3 hours.
Suggested number of men: 1 man.

MATERIAL: The parts required for this modification are contained in Kit No. 23-8008-1 S. The kit is available through your BEECHCRAFT Parts and Service Outlet.

WARRANTY: Warranty credit will be allowed for Kit No. 23-8008-1 S and labor not to exceed 3 man-hours on warranty claims received prior to July 1, 1976. Submit all warranty claims to Parts and Service Operations, Beech Aircraft Corporation, Wichita, Kansas, 67201. All orders for kits should be noted as being on warranty request.

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: None.

REFERENCES: None.

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- (a) BEECHCRAFT Aero or Aviation Centers and International Distributors and Dealers.
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Service Instructions No. 0728-206

PUBLICATIONS AFFECTED: It is recommended that a note to "See Service Instructions No. 0728-206" be made in the following:

19, 23 and 24 series Shop Manual copies, P/N 169-590015F or subsequent, Sections 3 and 4;

19, 23 and 24 series Parts Catalog copies, P/N 169-590012H or subsequent, Figure 206A.

ACCOMPLISHMENT INSTRUCTIONS:

The nose landing gear limit switches may be replaced as follows:

1. Place the airplane on jacks and turn off all electrical power.
2. Disconnect the nose gear limit switch wiring and remove the existing limit switches from the airplane and discard the switches.

NOTE

Serials MC-2 through MC-95 have only one switch. Serials MC-96 and after have two switches.

3. Remove the switch bracket and the striker plate from the airplane. Retain the attaching screws, washers, bolt, nut and the spring pin (roll pin), and discard the bracket and the striker plate.

4. Install the new P/N 169-360025-43 striker plate with the existing screws and washers.

5. Install the new P/N 169-360025-47 switch bracket with the existing bolt, nut and the spring pin (roll pin).

6. Install the new P/N 1CH25 limit switch in the switch bracket and connect the switch wiring as follows:

SERIALS MC-2 THROUGH MC-95 (Figure 1.)

- a. Splice wire G29A18 to switch wire No. 1.
- b. Splice wire G25C18 to switch wire No. 2.
- c. Splice wire G32A18 to switch wire No. 3.
- d. Dead end switch wires No. 4, No. 5 and No. 6 and stow the dead ended wires.

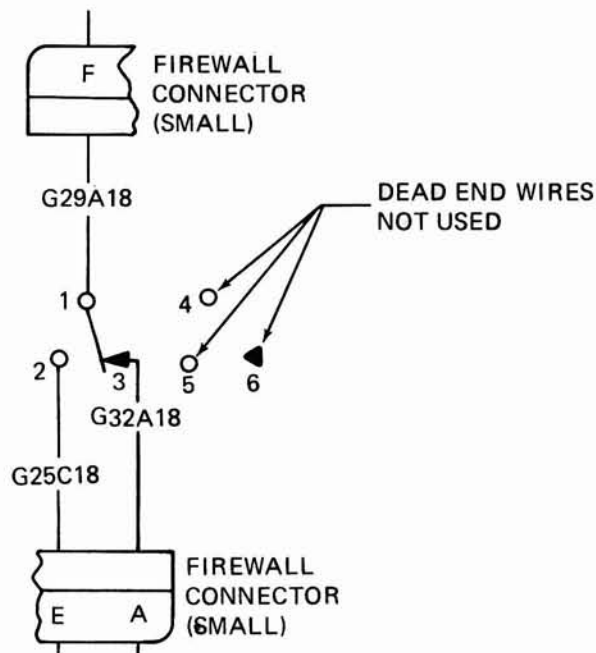


Figure 1. Nose Gear Limit Switch (MC-2 through MC-95)

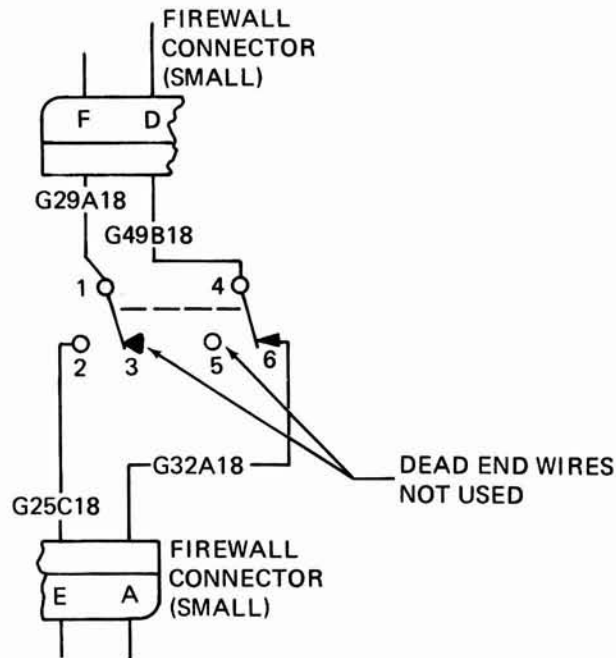


Figure 2. Nose Gear Limit Switch (MC-96 and after)

SERIALS MC-96 and after (Figure 2.)

- a. Splice wire G29A18 to switch wire No. 1.
 - b. Splice wire G25C18 to switch wire No. 2.
 - c. Splice wire G32A18 to switch wire No. 6.
 - d. Splice wire G49B18 to switch wire No. 4.
 - e. Dead end and stow switch wires No. 3 and No. 5.
7. Secure the wires to the landing gear assembly with three TY28M nylon clamps.
 8. Turn on electrical power and adjust the nose gear limit switch to actuate the nose gear green light on the instrument panel as the drag link assembly breaks over center.
 9. Secure the lock nuts on the switch assembly with MS20995C41 safety wire. (Obtain safety wire from local sources.)

RECORD COMPLIANCE:

Upon completion of these Service Instructions, 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.