

FIELD SERVICE BULLETIN NO. 4 REVISION A
REVISED AUGUST 5, 1949

See Figure 1, page 48, Navion Service Manual

1. Place airplane on jacks so landing gear can be operated.
2. Remove right hand engine cooling gill cover. Place a piece of dural or wood next to skin under lower nose gear bungee attachment. This is to prevent bungee from rotating too far and damaging indicating light switches.
3. Remove bolt attaching forward 145-34164 link from nose gear strut. Remove bolt connecting operating hydraulic cylinder to 145-34106 link. Remove bolt attaching 145-34106 link to bungee shaft.
4. Install reinforced link assembly by attaching link to bungee shaft with bolt previously removed. Install bolt, attaching link 145-34164 to nose gear strut. Connect hydraulic operating cylinder strut to link and safety.
5. Operate gear with hand pump at least three (3) operations, checking indicating lights and up-locks for proper functioning.

NOTE: It is important that the proper adjustments of the link installation be accomplished to eliminate faulty gear operation. For adjusting bungee, see Service Letter No. 39 or Navion Service Manual, page 48, figure 31, drawing number 145-33-342 revision C, reference items three (3) and four (4), which read as follows:

Reference Item 3: "With nose gear in down position, link past center adjust bungee so that bolt hole (A) lines up with control arm connecting part. Before connecting together adjust bungee out four (4) turns (to lengthen). Remove attaching link bolt (A) from nose gear strut allowing link assembly to drop down so bungee can be connected, then re-assemble strut link bolt (A). This should compress bungee approximately 1/8 inch. This can be noted by examining pin in slot inside of bungee spring."

Reference Item 4: "With gear down, linkage in past-center position, and operating strut in retracted position, adjust strut rod end so that hole aligns with bolt hole in actuating arm. Then screw in one additional turn, and connect."

NOTE:: Due to the fact the \$8.00 charge made for reworking links forwarded to Ryan from the field does not actually cover the entire cost of the rework, all links must be changed by the January 1, 1950 mandatory date of this bulletin as the \$8.00 exchange offer will expire on that date.