

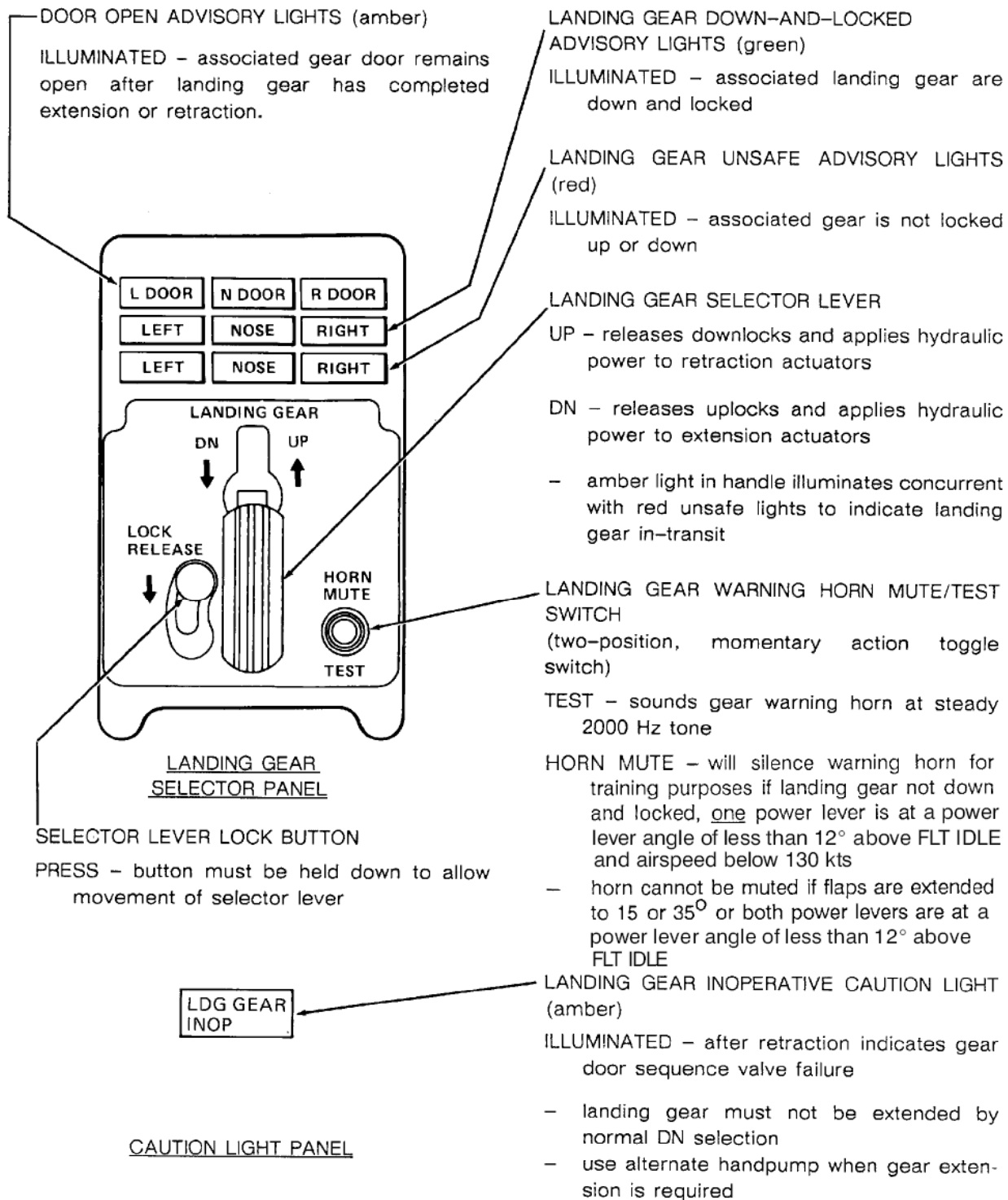
Attachment 4

To Operations Group Factual Report

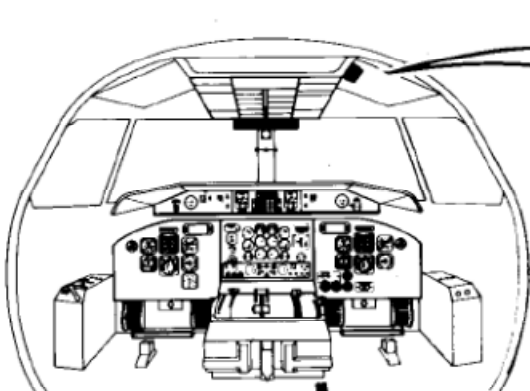
DCA13FA094

Landing Gear Actuation and Indication

LANDING GEAR ACTUATION AND INDICATION



ALTERNATE EXTENSION CONTROLS



LANDING GEAR ALTERNATE RELEASE DOOR

When pulled open, landing gear bypass valve is actuated to connect landing gear hydraulic circuits to return and main landing gear release handle is exposed.



DOOR CLOSED

NOSE GEAR RELEASE HANDLE
First part of pull releases nose gear forward door uplock; second part of pull releases nose gear uplock, allowing nose gear to fully extend and lock down.

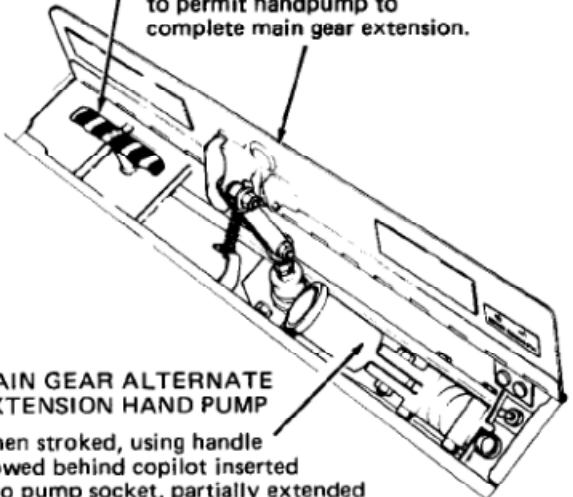
LG DOWN SELECT INHIBIT SWITCH

INHIBIT
NORMAL



LANDING GEAR ALTERNATE EXTENSION PANEL

When raised, emergency selector valve is activated to permit handpump to complete main gear extension.



MAIN GEAR ALTERNATE EXTENSION HAND PUMP

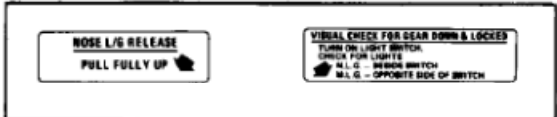
When stroked, using handle stowed behind copilot inserted into pump socket, partially extended main gear is fully extended and locked down. Overhead ALTERNATE RELEASE door must be opened first.

MAIN LANDING GEAR RELEASE HANDLE

First part of pull releases main gear door uplocks; second part of pull releases main gear uplocks, allowing main gear to partially extend by gravity.

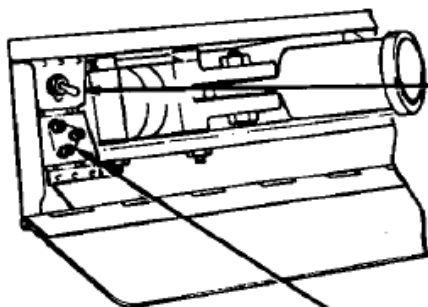


VIEW ON ACCESS PANEL WHEN CLOSED



VIEW ON ACCESS PANEL WHEN OPEN

ALTERNATE DOWNLOCK VERIFICATION



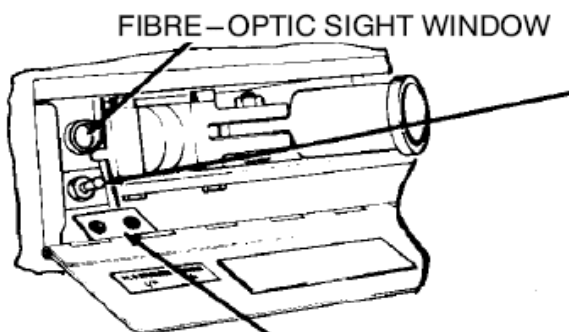
MOD 8/0534

DOWNLOCK VERIFICATION SWITCH

When selected ON, downlock verification system is activated. Down and locked main gear and nose is confirmed by illumination of indicator lights in response to infrared sensors on down locks.

LANDING GEAR
DOWNLOCK INDICATOR
LIGHTS (GREEN)

VIEW FROM COPILOT'S SEAT



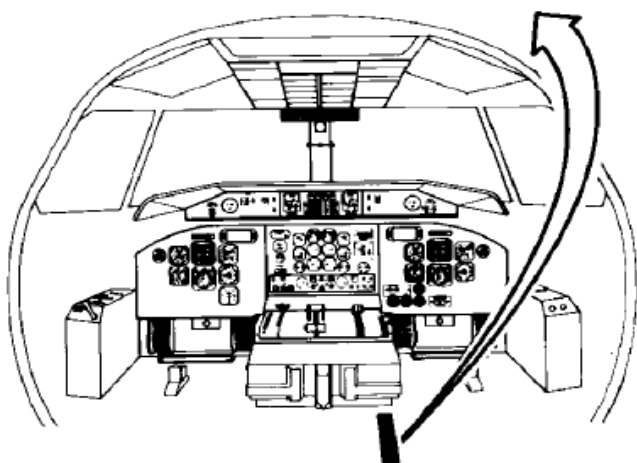
PRE-MOD 8/0534

DOWNLOCK VERIFICATION SWITCH

When selected ON, downlock verification system is activated. Down and locked main nose is confirmed by light being seen through NOSE fibre-optic window. Down and locked main gear is confirmed by illumination of LH and RH indicator lights in response to infrared sensors on down locks.

MAIN LANDING GEAR
DOWNLOCK INDICATOR
LIGHTS (GREEN)

VIEW FROM COPILOT'S SEAT



Aircraft 906 thru 914 are Pre-Mod 8/0534. All other aircraft have the Mod completed.

MANUAL PTU SWITCH/LANDING GEAR EXTENSION INHIBIT SWITCH



PRE-MOD 8/0713

MANUAL PTU SEL SWITCH
(guarded, alternate action)

- activates PTU when pressed once and de-activates PTU when pressed again

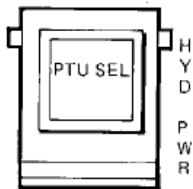
HYD PWR
TRANSFER



PRE-MOD 8/0713

HYD POWER TRANSFER ANNUNCIATOR LIGHT

- illuminates to indicate landing gear is receiving pressure from the PTU during manual or automatic operation



MOD 8/0713

MANUAL POWER TRANSFER UNIT SELECT SWITCH (guarded, alternate action switchlight)

- illuminates (green) and activates Power Transfer Unit (PTU) when pressed once
- light extinguishes and PTU deactivates when pressed again
- also illuminates during automatic operation of the PTU

HYDRAULIC CONTROL PANEL

LG DOWN SELECT
INHIBIT SWITCH

INHIBIT
NORMAL



LANDING GEAR EXTENSION INHIBIT SWITCH
(guarded, two-position toggle switch)

NORMAL - normal position for landing gear extension

INHIBIT - disables normal landing gear extension and alternate extension using the PTU

- landing gear must be extended using the LANDING GEAR ALTERNATE RELEASE door, MAIN L/G RELEASE handle, emergency hand-pump and the NOSE L/G RELEASE handle

OVERHEAD CONSOLE

Aircraft 906 thru 934 are Pre-Mod 8/0713. All other aircraft have the Mod completed.