CHECK BEING PERFORMED: Custom

ZONES: 144 145 146 **W/C NUMBER: 715I5309** **DATE:**
A/C NUMBER:
REV. DATE: 06/07/07
FREQUENCY: 4A

MECH **INSP**

MRB ITEMS: 531.07.033/02,531.07.035/02,531.08.037/02
531.08.039/02,531.09.041/02,531.09.043/02
531.16.121/01,531.16.121/02,531.16.123/01
531.16.123/02,531.21.183/01,531.21.183/02
531.21.185/01,531.21.185/02,531.21.187/01
531.21.187/02,531.21.189/01,531.21.189/02
531.22.191/02,531.22.191/03,531.22.193/01
531.22.193/02,531.23.195/01,531.23.195/02
531.23.197/01,531.23.197/02,531.24.199/01
531.24.201/01,531.24.201/02,531.24.203/01
531.24.203/02,535.01.289/03,535.01.289/04
535.01.291/03,535.01.291/04,535.01.293/03
535.01.293/04,535.02.295/01,535.02.295/02
535.02.297/01,535.02.297/02,535.02.299/03
535.02.299/04,535.02.301/01,535.02.301/02
535.02.303/03,535.02.303/04,535.03.305/01
535.03.307/01,535.03.307/02,571.04.040/01
571.04.040/02,571.04.075/02,571.04.076/02
571.04.085/02

MAIN AND CENTER LANDING GEAR WHEELWELLS - INTERNAL STRUCTURE

1. Perform a General Visual Inspection of the interior structure of the main and center landing gear wheelwells for corrosion and integrity.

_____ XXXXX A. Open the main and center landing gear doors.

B. Inspect structure in landing gear wheelwells including the following items:

_____ XXXXX (1) Vertical and horizontal bulkheads.

_____ XXXXX (2) Visible portions of keel and under wing barrel structure.

_____ XXXXX (3) Lower surface of horizontal pressure panel.

(a) Joint of panel to keel underwing barrel STA. 1381 to 1521.

(b) Joint of panel to aft bulkhead main gear well.

_____ XXXXX (4) Lower skin and stiffeners in center wheelwell area of Series -10 A/C.

_____ XXXXX (5) Slant panel pressure bulkhead of wing rear spar.

(a) Joint of panel to upper rear spar (applicable to -10 / -10CF only) STA. 1360.

(b) Joint of panel to main gear horizontal panel (applicable to -10 / - 10CF only) STA. 1381.

_____ XXXXX (6) Trapezoidal panels.

(a) Joint of panel and center wing box rear spar, STA. Xw 118.2.

(b) Joint of panel and MLG link STA. 1431.

_____ XXXXX (7) Support main landing gear door actuator.

_____ XXXXX (8) Frames fuselage transverse.

(a) Joint of fuselage frame at wing upper panel, STA. 1441 L & R.

(b) Joint of fuselage frame at longeron 33, STA. 1461 L & R.

_____ XXXXX (9) Center landing gear trunnion of Series -30 A/C.

_____ XXXXX (10) Rear spar pressure bulkhead below and above the wing.

(a) Periphery of outer cap angle including the intersection at vertical stiffeners, Sta. 1521.

(b) Splices of outer cap angle to fuselage frame, STA. 1521.

_____ XXXXX (11) Underwing barrel keel.

(a) Joint of keel to rear spar center wing box, STA. 1370.

(b) Joint of vertical stiffeners to torque box STA. 3181 to 1501.

(c) Joint of vertical stiffeners to horizontal pressure panel STA. 1381 to 1501.

(d) Joint of keel at main gear well aft bulkhead, STA. 1521.

_____ XXXXX (12) Underwing barrel torque box.

(a) Joint of torque box and underwing barrel, sta. 1370.

(b) Joint of torque box and main gear well bulkhead, STA. 1521.

_____ XXXXX (13) Main landing gear door actuator support.

(a) Joint of support and underwing barrel torque box STA. 1441.

(b) Joint of support and underwing barrel STA 1441.

(c) Joint of support and horizontal pressure panel, STA. 1441.

_____ XXXXX (14) Rear spar pressure bulkhead (below wing).

(a) Joint of pressure bulkhead to fuselage frame (applicable to -30 / -30F / -30CF / -40 / -40CF only) STA. 1368.

(b) Joint of pressure bulkhead to center wing rear spar cap (applicable to -30 / -30F / -30CF / -40 / -40CF only) STA. 1368.

(c) Joint of pressure bulkhead to underwing barrel Cant side panel (applicable to -30 / -30F / -30CF / -40 / -40CF only) STA. 1368.

_____ XXXXX (15) Rear spar pressure bulkhead (above wing).

(a) Fixed slant panel (applicable to -30 / -30F / -30CF -40 / -40CF only) STA. 1368.

(b) Slant panel attach rail and fittings to center (applicable to -30 / - 30F / -30CF / -40 / -40CF only) STA. 1368.

(c) Rear bulkhead of overwing fuel tank and joint to to

horizontal pressure panel (applicable to -30 / -30F / -30CF / -40 / -40CF only) STA. 1368.

(d) Vertical pressure panel connecting the inner and outer pressure barriers (applicable to -30 / -30F / -30CF / -40 / -40CF only) STA. 1368.

(e) Flex joints at STA. Xcw 46.8 (applicable to -30 / -30F / -30CF / -40 / -40CF only)

_____ XXXXX (16) Center main landing gear trunnion.

(a) Center main landing gear landing trunnion fitting pillow block (applicable to -30 / -30F / -30CF / -40 / -40CF only) STA. 1502.

(b) Splice to bootstrap at forward end of trunnion fitting (applicable to -30 / -30F / -30CF / -40 / -40CF only).

_____ XXXXX (17) Rear spar

(a) Spar attachments at bulkhead intersection, STA. Xw 118.2.

(b) Lower cap and splice, STA. Xw 46 to 118.2.

(c) Upper cap and splice, STA. Xw 46 to 118.2.

(d) Lower cap Trapezoidal panel intersection joint.

_____ XXXXX C. Close landing gear doors.

2. Record corrosion findings.

_____ XXXXX A. Corrosion finding: Yes_____ No_____

_____ XXXXX B. If yes in Step A., record specific area of corrosion on a non-routine form or logbook and list the non-routine(s) / log page identification number(s) below. N/A if "No" was checked in 2. A.

(1) I.D. Numbers: _____

3. Record structural findings.

_____ XXXXX A. Structural finding: Yes_____ No_____

_____ XXXXX B. If yes in Step A., record specific area of structural cracking on a non-routine form or logbook and list the non-routine(s) / log page identification number(s) below. N/A if "No" was checked in 3. A.

(1) I.D. Numbers: _____

********** END OF WORKCARD **********