

ZONES: 121 122 125 126 W/C NUMBER: 711I5306 DATE:
 A/C NUMBER:
 REV. DATE: 07/11/07
 FREQUENCY: 4C

MECH INSP

MRB 531.04.023/01, MRB 531.04.023/02, MRB 531.16.109/01
 MRB 531.16.109/02, MRB 531.16.125/03, MRB 531.16.125/04
 MRB 531.16.127/03, MRB 531.16.127/04, MRB 531.17.137/03
 MRB 531.17.137/04, MRB 531.17.147/03, MRB 531.17.147/04
 MRB 531.17.149/03, MRB 531.17.149/04, MRB 531.19.169/01
 MRB 531.19.169/02, MRB 533.03.209/03, MRB 533.03.209/04
 MRB 535.07.325/03, MRB 535.07.325/04, MRB 535.07.327/03
 MRB 535.07.327/04, MRB 535.07.331/01, MRB 535.07.331/02
 MRB 535.07.335/03, MRB 535.07.335/04, MRB 536.08.359/03
 MRB 536.08.359/04

Additional Zones: 181, 182, 185, 186

CARGO COMPARTMENT TUNNEL AREAS - INTERNAL STRUCTURE

1. Perform a Detailed Visual Inspection of the interior structure of the lower forward, center and aft cargo compartment tunnel areas for corrosion and integrity from longeron 27 to 42, left and right.

A. Forward cargo compartment.

- | ____ XXXXX (1) Open cargo compartment door.
- | ____ XXXXX (2) Remove cargo compartment sidewall panels as necessary
 | to gain access to inspection areas.
- | ____ XXXXX (3) Remove or push aside insulation blankets as necessary.
- |XXXX ____ (4) Inspect structure in tunnel areas from Station 595 to
 | 1099, left and right sides.
- | (a) Splices at outer angle to fuselage frame, STA. 595.
- | (b) Joint of fuselage frame at cargo door upper jamb
 | STA. 919.
- | (c) Joint of upper and forward jamb STA. 897.
- | (d) Longeron 27 intercostal inner caps, STA. 515 to 595
 | (applies to - 10F / 10CF / -30F / -30CF / -40CF
 | only).
- | (e) Longeron 27 inner caps along torque box LH STA. 760
 | to 790 (applies to - 10F / 10CF / -30F / -30CF /
 | -40CF only).

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| (f) Longerons 43 and frame inner cap at lower cargo floor
 | intersection LH STA. 735 to 755 (applies to - 10F /
 | 10CF / -30F / -30CF / -40CF only).

| (g) Intercostals longeron 29 LH STA 635 to 655 (applies
 | to - 10F / 10CF / -30F / -30CF / -40CF only).

| (h) Lower jamb splice at longeron 28-32, STA 791-840
 | (applies to -10F / 10CF / -30F / -30CF / -40CF
 | only).

| _____ XXXXX (5) Reinstall insulation blankets.

| _____ XXXXX (6) Reinstall sidewall panels.

| _____ XXXXX (7) Close cargo compartment door.

B. Center cargo compartment.

| _____ XXXXX (1) Open cargo compartment door.

| _____ XXXXX (2) Remove cargo compartment sidewall panels as necessary
 | to get access to inspection areas.

| _____ XXXXX (3) Remove or push aside insulation blankets as necessary.

| XXXX _____ (4) Inspect structure in tunnel areas from Station 1521 to
 | 1841, left and right sides.

| (a) Joint of fuselage frame at cargo door upper jamb,
 | STA. 1741.

| (b) Joint of upper and AFT jamb STA 1871.

| (c) Floor beam to center cargo door upper jamb
 | intersection STA. 1721.

| (d) Center to AFT intersection fuselage splice, STA
 | 1531.

| _____ XXXXX (5) Reinstall insulation blankets.

| _____ XXXXX (6) Reinstall sidewall panels.

| _____ XXXXX (7) Close cargo compartment door.

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C. Aft cargo compartment.

- | ____ XXXXX (1) Open cargo compartment door.
- | ____ XXXXX (2) Remove cargo compartment sidewall panels as necessary to
| get access to inspection areas.
- | ____ XXXXX (3) Remove or push aside insulation blankets as necessary.
- | (4) Inspect structure in tunnel areas from Station 1841 to
| 1967, left and right sides.
 - | (a) Joint of fuselage frame at bulk cargo door upper
| jamb STA. 1821 to 1921.
 - | (b) Joint of upper and forward jamb, STA. 1787.
- | ____ XXXXX (5) Reinstall insulation blankets.
- | ____ XXXXX (6) Reinstall sidewall panels.
- | ____ XXXXX (7) Close cargo compartment door.

2. Record corrosion findings.

- XXXXX ____ A. Corrosion finding: Yes ____ No ____
- XXXXX ____ B. If yes in Step 2.A., record specific area of corrosion on a
non-routine form(s) and list the non-routine(s) below.
N/A if "No" was checked in step 2.A.
 - | (1) Nonroutine Numbers: _____

3. Record structural findings.

- XXXXX ____ A. Structural finding: Yes ____ No ____
- XXXXX ____ B. If yes in Step 3.A., record specific area of structural
| cracking on a non-routine form(s) and list the
| non-routine(s) below. N/A if "No" was checked in step 3.A.
 - | (1) Nonroutine Numbers: _____

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