

NOTE

Removal procedures given are for left side cell; procedures are identical for right side cell unless noted. If right side cell is to be removed, engine oil tank must be removed (paragraph 4-84).

NOTE

If right cell is to be removed, remove cap and adapter or closed circuit refueling receiver in accordance with paragraph 10-80. If left side cell is to be removed, fuel filter assembly must be removed (paragraph 10-22).

NOTE

Removal of aircraft center fuel cell requires removal of center aft cell bulkhead access door.

- (1) Defuel system (paragraph 1-3).
 - (2) Remove left or right side fuel cell access cover on engine work deck.
 - (3) If bracket is installed, remove screws (49 figure 10-1) and washers (50).
 - (4) Disconnect hose assembly (58) from elbow (51).
 - (5) Remove center fuel cell cover plate (4, figure 10-3).
 - (6) Working through center fuel cell opening, remove bolts and washers securing cell interconnect.
 - (7) Remove bolts (47 and 43), washers (46 and 47) to disconnect hoses, and remove packings (45).
 - (8) Unscrew breakaway valve (42) from fitting (48). Remove packing (41) from breakaway valve (42).
 - (9) Remove fuel cell. Cap all open lines and fittings.
- c. Aft Center Fuel Cell.

CAUTION

Do not allow fuel cell to remain folded for more than 30 minutes. Keep fuel cell at room temperature and normal humidity.

CAUTION

Exercise extreme caution during removal/installation of vent bracket. Damage to bracket will occur from lower jaw of crescent or open end wrench, if wrench is not applied to fitting at a 90° angle. Do not exert undue pressure on any part of assembly.

- (1) Defuel system (paragraph 1-3).
- (2) Remove engine work deck access plate over center fuel cell.
- (3) Remove center fuel cell cover plate (4, figure 10-3).
- (4) Remove bolts and washers at left and right side cell interconnects.
- (5) Remove bolts (61, figure 10-1) and washers (62) securing bracket (63) to structure.
- (6) Remove bolts (74) and washers (73) securing bracket to fittings (66).
- (7) Disconnect hose assemblies (64), (71) and (69).
- (8) Unscrew breakaway valve (42) from fitting (48). Remove packing (41) from breakaway valve (42).
- (9) Collapse cell and fold. Remove through aft center cover plate opening. Cap all open lines and fittings.
- (10) Vent brackets will be inspected for crack damage and distortion on R/H side at fitting radius, if crack extends no further than inner side of bend radius, stop drill with a # 30 drill bit at extremity of crack. Distance from fitting hole to edge of drill hole to be no less than 5/16 inch. Any overlap after straightening will be trimmed and smoothed.

10-5. Inspection-Fuel Cells-Crashworthy. a. Remove exterior surface dirt and grime by scrubbing the fuel cell with warm, soapy water using soap paste (C 253). Air dry surface.

b. Purge fuel cell thoroughly with fresh air; scrub with warm, soapy water, and rinse in clean, clear water. Air dry.