

## Remove and Replace MD80 APU Combustion Chamber - Packing

REF MD80 AMM 49-20-01/201

49-20-01, Pageblock 201

**1-Wear proper eye wear**

**2-Show inspector torques and return to zero after usage**

Combustion Chamber Liner and Torus Maintenance Practices

### A) General

The combustion chamber liner is located inside the combustion chamber cap on the APU right side. Access is through the APU right access door.

### B) Removal/Installation Combustion Chamber assembly to replace packing

1. Cut safety wire on Ignitor plug lead and ignitor plug.
2. Disconnect ignitor plug lead from ignitor plug. (Figure 201)
3. Disconnect fuel line from atomizer. (Figure 201)
4. Disconnect combustion chamber drain line from fitting in combustion chamber cap. (Figure 201)
5. Remove safety wire from clamp on combustion chamber cap.
6. Remove/displace clamp that attaches combustion chamber cap to combustion chamber.
7. Remove combustion chamber assembly.
8. Remove and replace combustion chamber cap packing and use supplied lube.

### C) Reinstall Combustion Chamber assembly

1. Carefully install combustion chamber assembly into the combustion chamber.
2. Rotate combustion chamber liner and cap until igniter plug is on top vertical centerline of combustion chamber, drain fitting is on bottom vertical centerline of combustion chamber (Electrical connector and combustion chamber drain line must line up with mating connections).
3. Install combustion chamber coupling clamp but do not tighten.
4. Connect ignitor plug lead to ignitor plug. (Figure 201)
5. Connect fuel line to atomizer. Torque fuel line to 135 to 150 inch-pounds
6. Install combustion chamber drain line and securely tighten.
7. Tighten combustion chamber coupling clamp to 50 to 70 inch-pounds and safety wire.
8. Safety wire ignitor lead cap and ignitor bolts.