ENGINE WASH RING - REMOVAL/INSTALLATION

1. General

A. An engine wash ring is installed inside the induction air plenum assembly to aid in performing periodic compressor washes as recommended by the engine manufacturer. The assembly consists of a curved tube with 19 drilled holes for discharge of cleaning and rinse solutions. A capped exterior connection is provided to connect wash ring to solution source.

2. Engine Wash Ring Removal/Installation

A. Remove Engine Wash Ring (Refer to Figure 401).

(1) Remove upper cowling doors.

(2) Remove upper center cowl panel section.

(3) Remove lower cowling panel sections.

(4) Remove left nosecap/induction air duct/inertial air separator.

NOTE: It may be necessary to remove induction air plenum top panel to gain access to engine wash ring.

CAUTION: Cover engine air inlet to prevent foreign objects from dropping into engine.

(5) Remove nuts (7) and washers from screws (1) securing clamps (4) to wash ring (8).

(6) Carefully remove clamps (4) from wash ring (8).

(7) Slide wash ring out of plenum through grommet (10) and remove.

B. Install Wash Ring (Refer to Figure 401).

(1) Insert wash ring through grommet (10) into plenum.

CAUTION: Ensure clamps (4) do not obstruct wash ring spray holes when installing clamps.

(2) Install clamps (4) and secure with screws (1), washers, and nuts (7).

(3) Install induction air plenum top panel, if removed.

(4) Remove cover from engine inlet.

(5) Install nosecap/induction air duct/inertial air separator.

(6) Install lower cowling panel sections.

(7) Install upper center cowl panel section and upper cowling doors.

Figure 401 : Sheet 1 : Engine Compressor Wash Ring Installation