

**ENGINE OIL BREATHER VENT LINE ASSEMBLY - MAINTENANCE PRACTICES****1. General**

- A. This section gives the maintenance procedures for the engine oil breather vent line assembly. The assembly includes the oil breather vent tube and a flexible hose attached with two hose clamps at the aft engine pad area and a hose attached with clamps at the secondary exhaust. The tube is attached to the engine assembly with clamps. It is normally not necessary to remove the vent tube. The flexible hose ends are replaced at intervals specified in Chapter 5, Component Time Limits.

**2. Engine Oil Breather Vent Hose Removal/Installation**

**NOTE:** There is a breather vent line assembly hose at each end of the vent tube. The removal and replacement of each hose is similar.

- A. Remove the Engine Oil Breather Vent Hose (Refer to Figure 201).
- (1) Remove electrical power from the airplane.
  - (2) Open the right upper cowling door. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.
  - (3) At the aft engine upper right engine pad, loosen the two hose clamps on the vent hose that attach it to the breather vent assembly and the vent tube.
  - (4) Carefully remove the hose from the breather vent assembly and the vent tube.  
**NOTE:** Be careful not to bend the vent tube.
    - (a) If necessary loosen the clamps on the vent tube to help in the removal of the hose.
  - (5) At the secondary exhaust loosen the hose clamp on the vent line inlet assembly.
  - (6) Carefully remove the hose from the vent line inlet assembly.  
**NOTE:** Be careful not to bend the vent tube.
    - (a) If necessary loosen the clamps on the vent tube to help in the removal of the hose.
- B. Install the Engine Oil Breather Vent Hose (Refer to Figure 201).
- (1) At the aft engine upper right engine pad, carefully put the hose with the hose clamps in its correct position on the vent line inlet assembly and the vent tube.
    - (a) Tighten the hose clamps that attach the hose to the breather vent assembly and the vent line inlet assembly.
  - (2) If necessary tighten the vent tube clamps.
  - (3) Close the right upper cowling door. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.

**3. Engine Oil Breather Vent Tube Removal/Installation**

- A. Remove the Engine Oil Breather Vent Tube (Refer to Figure 201).
- (1) Remove electrical power from the airplane.
  - (2) Remove the right upper cowling door. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.
  - (3) Loosen the hose clamps that attach the two hoses to the vent tube.
  - (4) Loosen the clamps on the vent tube that attach it to the engine installation assembly.
    - (a) Remove the vent tube from the engine installation assembly.
    - (b) If necessary remove one or each of the two vent hoses from the breather vent assembly and the vent line inlet assembly as applicable. Refer to Engine Oil Breather Vent Hose Removal/Installation.
- B. Install the Engine Oil Breather Vent Tube (Refer to Figure 201).
- (1) Put the vent tube in its correct position in its clamps on the engine assembly.
  - (2) Put the hose assemblies in their correct position on the vent tube.
  - (3) If necessary install one or each of the two vent hoses to the breather vent assembly and the vent line inlet assembly as applicable. Refer to Engine Oil Breather Vent Hose Removal/Installation.
  - (4) Tighten the vent tube clamps.
  - (5) Tighten the clamps that attach the hoses to the vent line.
  - (6) Install the right upper cowling door. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.

Figure 201 : Sheet 1 : Engine Oil Breather Vent Line Assembly

