

Service Letter

FAA-DER APPROVED

Service Letter: No. 333

Subject: Main Transmission Breather Vent Cap Relocation

Date: 1 June, 2000

Applicability: Bell Helicopter Model 412, Equipped with the Air Comm Air Conditioning system 412AC-100.

Reference: F.A.A. / S.T.C. # SR00066DE

Compliance: At the discretion of the operator

Background: To facilitate the installation of the Main Transmission Breather Vent Cap, in conjunction with the Air Comm Corporation 412 Air Conditioner System installation.

Bill of Materials:

Item	Part Number	Description	Qty.
1	412AC-5054-1	Vent Tube Assembly	1
2	412AC-5054-31	Fitting	1
3	412AC-5054-32	Nut	1
4	MS21919-WCH6	Clamp	1

Instructions for the relocation of the Main Transmission Breather Vent Cap

1. Remove existing Main Transmission Breather Vent Cap, and Breather Vent Cap Washer from the vent opening located in the top aft right hand section of the Main Transmission Housing. (See Figure 1-1)
2. Install the 412AC-5054-32 Nut on the non-flared end of the 412AC-5054-31 Fitting.
3. Install the non-flared end of the 412AC-5054-31 Fitting in the existing vent opening, orientating the flared end to point outboard (Aircraft Left). Torque the 412AC-5054-32 Nut 75 - 125 inch lbs. (8.47 - 14.12 Nm).
4. Install the 412AC-5054-1 Vent Tube Assembly on the flared end of the 412AC-5054-31 Fitting, orientating the opening of the Vent Tube Assembly approximately 90° degrees to the top of the Main Transmission Housing. Torque B-nut 40 - 45 inch lbs. (4.6 - 5.1 Nm), and safety using MS20995C-32 Safety Wire per QQ-W-423B Cond. A (or Equivalent).
5. Install the existing Main Transmission Breather Vent Cap and existing Breather Vent Cap Washer into the opening provide in the 412AC-5054-1 Vent Tube assembly, and safety using MS20995C-32 Safety Wire per QQ-W-423B Cond. A (or Equivalent).
6. Install MS21919-WCH6 Clamp as shown in Figure 1-2, using existing hardware.

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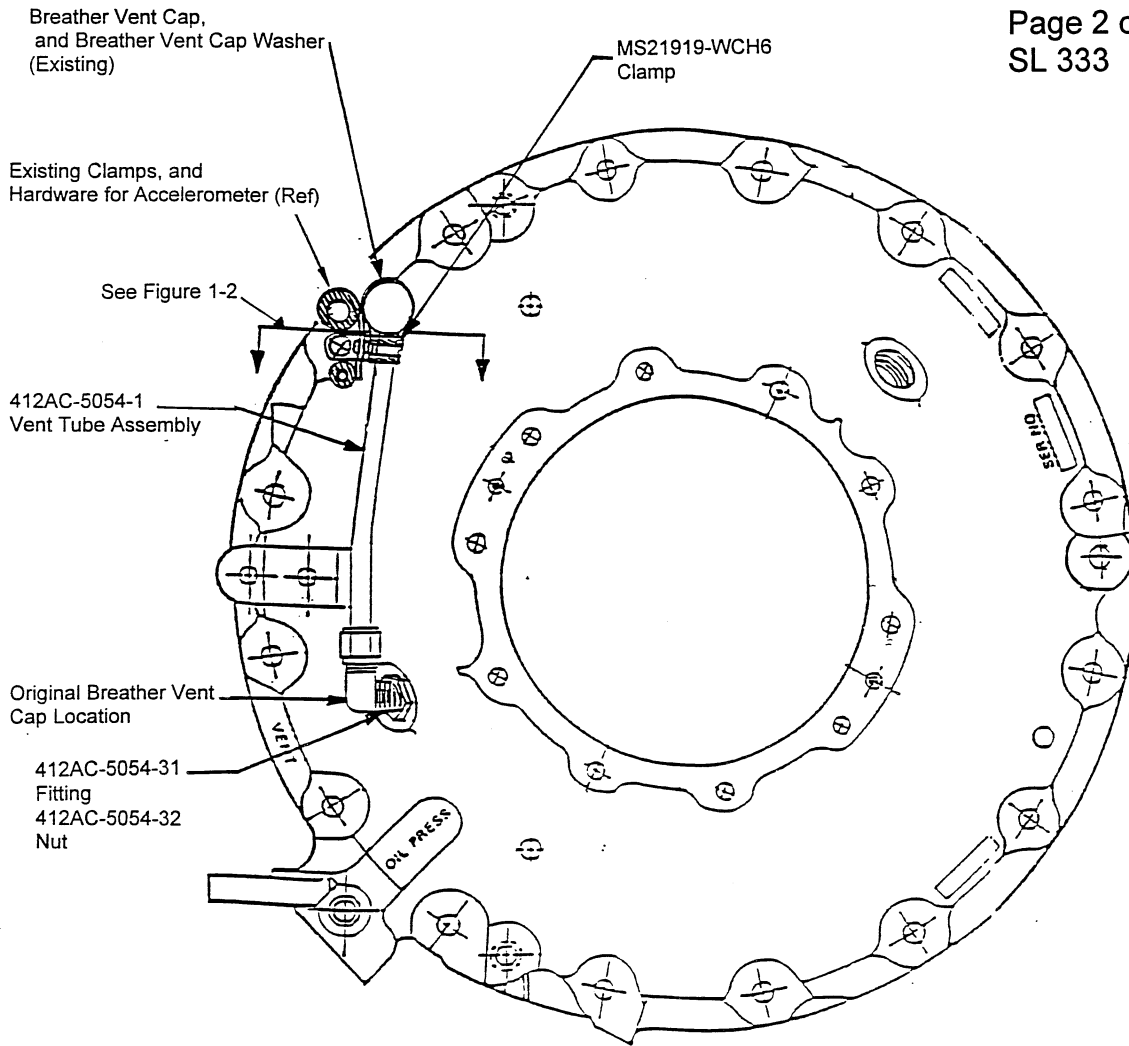


Figure 1-1

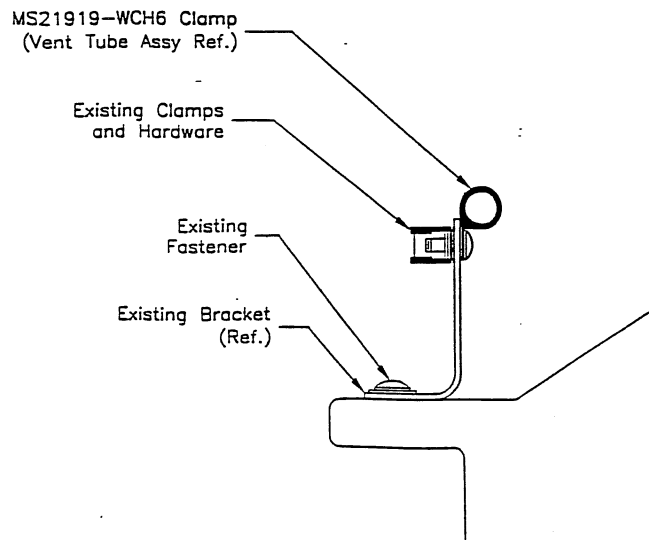


Figure 1-2

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