

R22 SERVICE BULLETIN SB-115

DATE: 3 May 2019

TO: R22-series Owners, Operators, and Maintenance Personnel

SUBJECT: Air/Oil Separator Hose Spring

EFFECTIVITY: R22 Helicopters S/N 4783 thru 4801. Also helicopters retrofitted with air/oil separators.

TIME OF COMPLIANCE: Part A: Prior to further flight. Part B: Within next 5 flight hours or by 31 May 2019, whichever occurs first.

BACKGROUND: RHC has determined the A729-75 hose, installed between the engine and C728-1 air/oil separator assembly, may be susceptible to kinking. A kinked hose could cause the crankcase to vent through the separator drain back tube and result in loss of engine oil. Part A of this bulletin requires immediate inspection of breather hose to determine if hose is kinked. Part B requires installing a replacement hose and inserting a spring inside the hose to prevent kinking.

COMPLIANCE PROCEDURE:

Part A:

Refer to Figure 1. Looking forward over top of right-side of fan scroll inboard of v-belt and using a bright light, visually inspect A729-75 black rubber breather hose. If hose is kinked, remove and replace prior to further flight. (Note: Ends of hose are not visible from this perspective, but a kink, if present, will be apparent in exposed center portion. If in doubt, side panel(s) may be removed for better view.)

Part B:

1. Refer to Figure 2. For each affected helicopter, order one D774-20 spring and one A729-75 crankcase breather hose from RHC Customer Service.
2. Remove engine RH cowling.
3. Remove screw securing air/oil separator's can-to-frame clamp.
4. Loosen B277-12 clamps and remove A729-75 hose; retain clamps and discard hose.

(OVER)

5. Install new A729-75 hose and insert new D774-20 spring inside hose; secure hose with retained clamps.
6. Install screw securing air/oil separator's can-to-frame clamp. Verify security.
7. Install engine RH cowling.
8. Make appropriate maintenance record entries.

APPROXIMATE COST:

Parts: No charge for one D774-20 spring and one A729-75 hose if ordered by 31 May 2019. Reference helicopter serial number when ordering.

Labor: 0.5 man-hour.

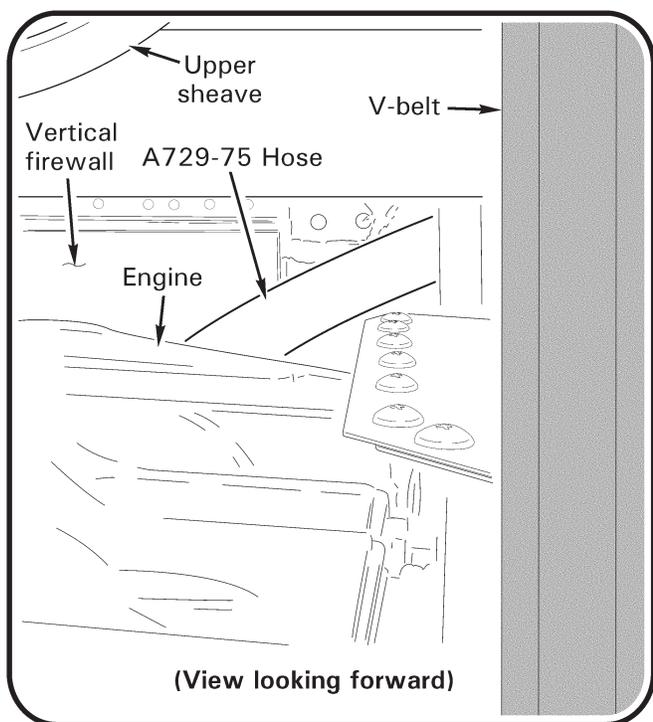


FIGURE 1

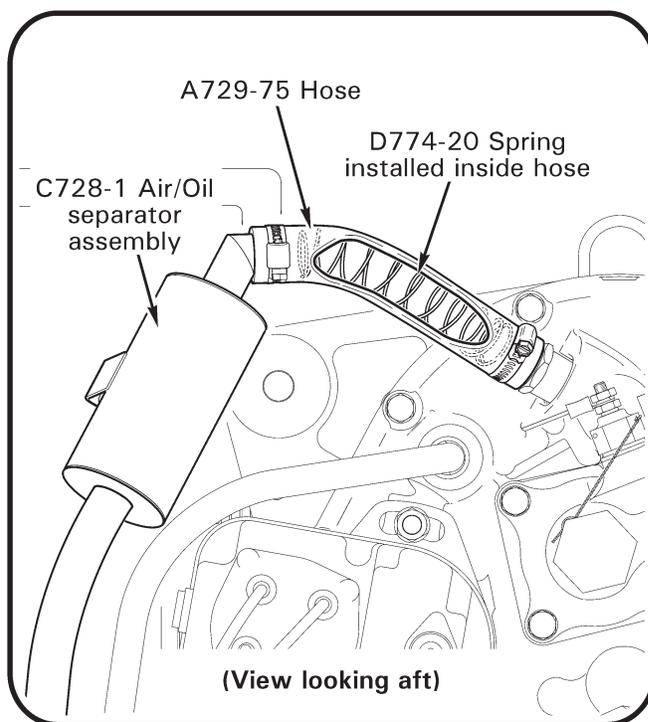


FIGURE 2