

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
Service Dept. *[Signature]* 5-21-82  
Engineering *[Signature]* 5-21-82

SERVICE LETTER #16

Date: 19 May 1982

To: All owners and operators of Robinson R22 helicopters

Subject: Installation of the A911-1 Cabin Heater Scoop

Rotorcraft Affected: R22 serial no. 0002 through 0187  
equipped with cabin heater systems

Time of Compliance: Within the next 50 hours time in service

Background: Several A169-1 muffler assemblies have been found buckled or with the internal baffling separated due to insufficient cooling air flow. This has occurred at approximately 500 to 600 hours time in service. To provide sufficient cooling air flow through the heat muff, an A911-1 scoop is being installed at the cabin heater ducting inlet on all new production helicopters.

The A911-1 scoop is being offered to operators of early R22 helicopters equipped with cabin heaters at a discounted price. Use the following procedure to install the A911-1 scoop.

NOTE

The cabin heater blower motor should be operated during prolonged hover operation.

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Installation Procedure:

- 1) Remove the left side skirt and blower assembly. Disconnect the blower from the skirt.
- 2) Install the A911-1 scoop facing the forward edge of the skirt. Temporarily install the two aft blower mounting screws through the skirt and scoop.
- 3) Drill two .170 inch holes through the skirt using the upper and lower holes in the scoop as a guide.

(Over)

Installation Procedure (cont'd):

- 4) Install the scoop using the AN525-832R6 screws, AN960-8L washer and NAS679A08 nuts in the upper and lower scoop holes.
- 5) Reinstall the blower to the skirt and install the skirt. Reconnect the blower ground wire under the head of the blower attachment bolt. Torque the bolt to 100 in.-lbs plus nut drag.

Ordering Information

The installation kit (KI-12) for the cabin heater scoop is being offered at a 50% discount to encourage prompt installation.

<u>KI-12 Kit:</u>	List Price	\$34.00
	50% Discount	\$17.00

Orders for these kits should be placed through Robinson Helicopter Customer Service Department.

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