

SERVICE BULLETIN #118

28 August 1985

SUBJECT: "O" rings in Raven hot air balloon burners

APPLICABILITY: Between April 10, 1985 and August 08, 1985, all new and repair burners involving "O" ring replacement, burners at Raven for annual or 100 hour inspection, all "O" ring orders, and blast valve or replacement bonnet orders.

PROBLEM: Possibility of incorrect "O" rings causing blast valve stem leakage after a few hours of service.

CORRECTIVE ACTION: Having installed by repair station, the enclosed "O" rings in replacement for those in affected system, and having the enclosed burner card completed and mailed to Raven. This must be completed prior to the next flight, but not later than November 1, 1985.

This operation may not be performed by the owner and must be performed by a licensed repair facility. "O" rings removed from service or from stock affected by the applicable "shipped from Raven" dates must be returned to Raven with completed burner card. Logbook entry must be made stating, "'O' rings replaced with those supplied by Raven Industries in accordance with Raven Service Bulletin #118".

DISCUSSION: Leakage from blast valve stems in burners having "O" rings from a lot received at Raven on April 10, 1985, has led Raven to determine that a small, but indeterminable quantity of incorrect "O" rings may have been homogeneous with that lot. Raven has individually inspected and weighed each "O" ring included with this service bulletin to guarantee that the "O" ring is of proper size and material.

PROCEDURE: Install "O" rings in accordance with instructions in Raven Instructions for Continued Airworthiness. The use of **Fluorogel** brand lubricant is highly recommended for use during assembly in order to guarantee non-leakage after several hours of service.

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