

# ADVISORY WIRE

## AW21-008

**DATE:** October 4, 2011

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**FROM:** BOMBARDIER CUSTOMER SERVICES BUSINESS AIRCRAFT

### ADVISORY WIRE

**REFERENCE NO:** AW21-008

**SUBJECT:** R-12 Freon System Support

**EFFECTIVITY:** All Learjet 23, 24, 25, 28, 29, 31, 35/36, 55 and 60 Aircraft

**ATA:** 21-00

**This information is of interest to both Maintenance and Operations Personnel**

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### 1.0 REFERENCES:

Steinbach & Associates Ph 254-751-7420 ([www.ConversionAirKits.com](http://www.ConversionAirKits.com))

### 2.0 INTRODUCTION:

With the cessation of R-12 (Freon) production in 1995, in most countries there has been a steady decline in the availability of R-12 and the parts infrastructure dedicated to an R-12 Freon air-conditioning system. In the case of the United States, for example, it is illegal to both manufacture and import R-12.

### 3.0 DESCRIPTION:

Many vendors are discontinuing support of R-12 dedicated products.

Learjet has looked at the steps necessary to maintain support of an R-12 system. Unfortunately, almost any effort would require major certification of new products. The amortization of certification costs would result in significantly higher costs to Customers. These efforts would also be counterintuitive to the global reduction of R-12. Also, the current off the shelf R-12 substitutes are not certifiable.

Therefore, Learjet has made the decision to discontinue support of R-12 related parts. Items in stock will be sold until such time they are depleted, and will not be restocked.

There is a Supplemental Type Certificate (STC) by Steinbach & Associates that Customers have already installed, and has been well received by the field. The STC converts the R-12 Freon system to an R-134a system for all applicable Learjet aircraft. This includes EASA STC IM.A.S.00284 for operators in that environment. Some of the items included are:

- R-134a compressor
- Expansion valves specifically for R-134a
- R-134a compatible receiver-dryer
- Hoses specifically for R-134a and fittings with R-134a style service ports

### 4.0 ACTION:

We encourage Customers to plan in advance, as not to impact flight schedules. Please contact your BAS Regional Manager for competitive pricing and STC availability.