

# LINDSTRAND BALLOONS LTD

## SERVICE BULLETIN NO.7

### ISSUE 1 – DATED 11.07.02

- Title: 3/8” BORE FUEL HOSE FAILURES.
- Classification: This Service Bulletin has been classified as mandatory by the CAA.
- Applicability: All Lindstrand supplied 3/8” bore hoses supplied after 5<sup>th</sup> September 2001 which have been manufactured from the following hose batches FHL 38381 and FHL 40579.
- Serial Numbers Affected: To be advised.
- Compliance Standard: Affected hoses to be replaced before next flight from receipt of this Service Bulletin.
- Background: There have now been six reported incidents of the fuel supply hoses, which are fitted to Lindstrand manufactured products which have failed in service. The typical failure observed is of liquid fuel escaping at any position, along the length of the hose, through the pin-pricking on the outer surface. The rate of leakage observed can vary between the creation of small bubbles when leak detection fluid is used on the surface of the hose, up to visible jets of liquid propane.

#### Accomplishment Instructions:

#### **Inspection**

All hoses used within the hot air balloon, including burner supply hoses, basket manifolds and refuelling hoses must be inspected in the following manner:

1. Look at the hose identification label which is normally situated close to one end of the hose. It is a white label which is sealed under a clear protective coating and contains three identification codes. The bottom number is the batch identification number. If this number is either FHL 38381 or FHL 40579 then these hoses must be replaced before further flight operations following the instructions below.
2. If the batch identification number is illegible then look at the number above the batch identification number. This number is the date that the hose assembly was manufactured expressed as a month and year, eg 07-02 means July of 2002. If this date is later than 09-01 then please contact the factory before further flight operations with your burner serial number and/or the JAA Form 1 number if your hoses have already been replaced. With this information we can determine whether your hoses are affected or not.

### **Inspection Cont....**

3. If all the identification numbers are missing then observe the raised lettering on the hose itself. The date of manufacture of the hose is contained within this repeated code and is usually expressed as 1Q02, which means first quarter 2002. If the hose manufacture date is shown as 3Q01 or later then please consult the factory for advice before further flight operations.
4. For all other batch numbers it is advised that you conduct a pressurised test and inspect the exterior of the hose using leak detection fluid or soapy water. Ensure all normal safety precautions are undertaken whilst testing the hose. Inspect the exterior surface of the hose carefully for any evidence of leakage, especially close to the pin-pricked holes in the outer covering. If any leaks are detected please contact the factory urgently and withdraw the affected item from use.

### **Supply of Replacement parts:**

If the hoses fitted to your system require replacement then please contact the factory with the following information.

1. Your name and address to which the new hoses should be sent.
2. Your telephone number.
3. For each hose please supply the overall length of the hose, the type of end fittings, or the type of fuel connector you are using (Rego or Tema).
4. the serial number of the burner or of the balloon if for a manifold or refuelling hose.
5. Please arrange with your normal dealer/distributor for instructions on installation and testing of the new hoses and leave all hoses which have been replaced with your Lindstrand Dealer. All new hoses will be supplied with a JAA Form 1 and will be identified with the code letters CB followed by a number.