AIR CRUISERS
1747 State Route 34, Wall Township, NJ 07727-3935
Tel (732) 681-3527, CAGE Code 70167
ZODIAC AEROSPACE

To: Holders of MD80/90/717 Evacuation Slide Systems

Service Bulletin MD80/90/717 304-25-45

Title: Equipment/Furnishings-Emergency Equipment
MD80/90/717 Evacuation Slide Systems
Fusible Plug Recall

Effectivity: Part numbers listed herein.

To recall fusible plugs, P/N B13984-3, LOT P-21 and P-22 installed in inflation valves and inflation systems in service. Fusible plugs are safety devices which safely vent the pressure from charged inflation systems in the event the inflation systems are subjected to excessive temperatures. Two incidents have been reported from the field where fusible plugs manufactured from the suspect lots have activated below their rated temperature of 174 degrees Fahrenheit. Testing conducted on fusible plugs from suspect lots indicate that the plugs activate (vent gas) between the temperature range of 130 to 150 degrees Fahrenheit. Activation of the fusible plugs will vent all gas from the inflation system reservoir rendering the slide unusable.

Comments regarding this Service Bulletin, including those of an editorial nature, should be e-mailed to: technicalpublications@zodiacaerospace.com

AIR CRUISERS
1747 State Route 34, Wall Township, NJ 07727-3935
Tel (732) 681-3527, CAGE Code 70167
ZODIAC AEROSPACE

SERVICE BULLETIN

EQUIPMENT FURNISHINGS - EMERGENCY EQUIPMENT
MD80/90/717 EVACUATION SLIDE SYSTEMS
FUSIBLE PLUG RECALL

1. Planning Information

A. Effectivity

FWD Door Evacuation Slide Systems
D29982-121, -123, -125, -127, -221, -223, -225, -227
Reservoir and Valve Assembly
D37013-119, -121, -123, -125
Inflation Valve
D18306-107
Inflation valve, D18306-107, shipped as spares: S/Ns R09-500500, R09-500501

Tail Cone Evacuation Slide Systems
Door D29984-113, -119, -211, -213
Reservoir and Valve Assembly
D37013-117
Inflation Valve
D18306-111
Inflation valve, D18306-111, shipped as spares: S/N R08-008432, R08-009091, R08-009092

NOTE: Fusible plugs, P/N B13984-3, Lot PA-21 or PA-22, shipped from Air Cruisers Company approximate dates of Oct 1, 2008 through Oct 1, 2009. Fusible plugs shipped as spares could potentially be installed on systems, reservoir and valve assemblies and inflation valves listed above and/or systems (Aft) door D29985-103, -107, -109, -111; reservoir and valve assemblies D37013-107, -111; and inflation valves D18306-109.

B. Reason

To recall fusible Plugs LOT P-21 and P-22 installed in inflation valves and inflation systems in service. Fusible plugs are safety devices which safely vent the pressure from charged inflation systems in the event the inflation systems are subjected to excessive temperatures. Two incidents have been reported from the field where fusible plugs manufactured from the suspect lots have activated below their rated temperature of 174 degrees

Fahrenheit. Testing conducted on fusible plugs from suspect lots indicate that the plugs activate (vent gas) between the temperature range of 130 to 150 degrees Fahrenheit. Activation of the fusible plugs will vent all gas from the inflation system reservoir rendering the slide unusable.

C. Compliance

It is recommended that this modification be accomplished at the next access to the equipment.

D. Description

NOTE: Only those organizations authorized by the FAA or other airworthiness authorities are permitted to perform this modification.

Operators are to check all fusible plugs, B13984-3. Any fusible plug stamped with lot number PA-21 or PA-22 are to be scrapped. Check evacuation system, reservoir and valve assemblies and valves in spares for fusible plugs with the above stated lot numbers. Plugs with suspect lot numbers shall be replaced with new plugs following instructions detailed in the applicable Component Maintenance Manual (CMM). Re-identify with marking called out in accomplishment instructions.

E. Approval

Certification, TSO-C69a or TSO-C69b

This service bulletin contains modification information which has been submitted to the FAA under the TSO-C69a or TSO-C69b authorization for the affected articles.

F. Labor Hours

It will take approximately 0.25 hour per system to accomplish the instructions outlined in this service bulletin.

G. Material - Cost and Availability

(1). EDR (Engineering Data Release) Kit referenced in Paragraph 3, is available at free of charge, 60 days upon receipt of a no charge purchase order which lists the part number and serial number of the system and/or valve. The free of charge condition, and availability, will be in effect for three years after original issue date of the service bulletin, thereafter price and availability upon request.

(2). EDR Kit is available from your local authorized Zodiac Services distributor. Please contact Zodiac Service Europe, Cage Code FAUX0; Zodiac Aerospace UK, Cage Code U03Z8; Zodiac Services Americas, Cage Code 567V9; In-Services Middle East, Cage Code SFB76 or Zodiac Services Asia, Cage Code QC054.

H. Tooling - None.

I. Weight and Balance - None.

J. Electrical Load Data - Not affected.

K. References

Air Cruisers Company Service Information Letter (SIL) 25-246.

L. Other Publication Affected

Air Cruisers Component Maintenance Manual (CMM) 25-65-11 will have to be updated to reflect this service bulletin.

M. Family Tree Charts of Modification Relationships- None.

SERVICE BULLETIN

2. Accomplishment Instructions

WARNING: REPLACEMENT OF THE FUSIBLE PLUG SHALL NOT BE PERFORMED WITH THE RESERVOIR UNDER PRESSURE (CHARGED).

A. Inspect all inflation valves and reservoir and valve assemblies in service.

(1). Inspect all valves, D18306-107, -109, -111, for fusible plugs lot number PA-21 or PA-22.

(2). Inspect all reservoir and valve inflation assemblies, D37013-107, -111, -117, -119, -121, -123, -125, for fusible plugs lot number PA-21 or PA-22.

(3). If fusible plug, B13984-3, has a lot number PA-21 or PA-22 remove, discard, and replace with new fusible plug and O-Ring from EDR Kit, reference Paragraph 3. Install and torque per instructions outlined in the applicable CMM.

B. Inspect evacuation system as follows:

(1). Gain access to the reservoir and valve assembly and inspect fusible plug for lot number.

(2). If fusible plug, B13984-3, has a lot number of PA-21 or PA-22 remove, discard, and replace with new fusible plug and O-Ring from EDR Kit, reference Paragraph 3. Install and torque per instructions outlined in the applicable CMM.

(3). Repack evacuation system per applicable folding procedure.

(4). Mark “Inspected/Replaced per S.B. MD80/90/717 304-25-45” in minimum 1/4 inch high characters adjacent to the part identification on the reservoir and valve assembly and adjacent nomenclature placard on the girt with indelible contrasting ink.

(5). Return to service.

SERVICE BULLETIN

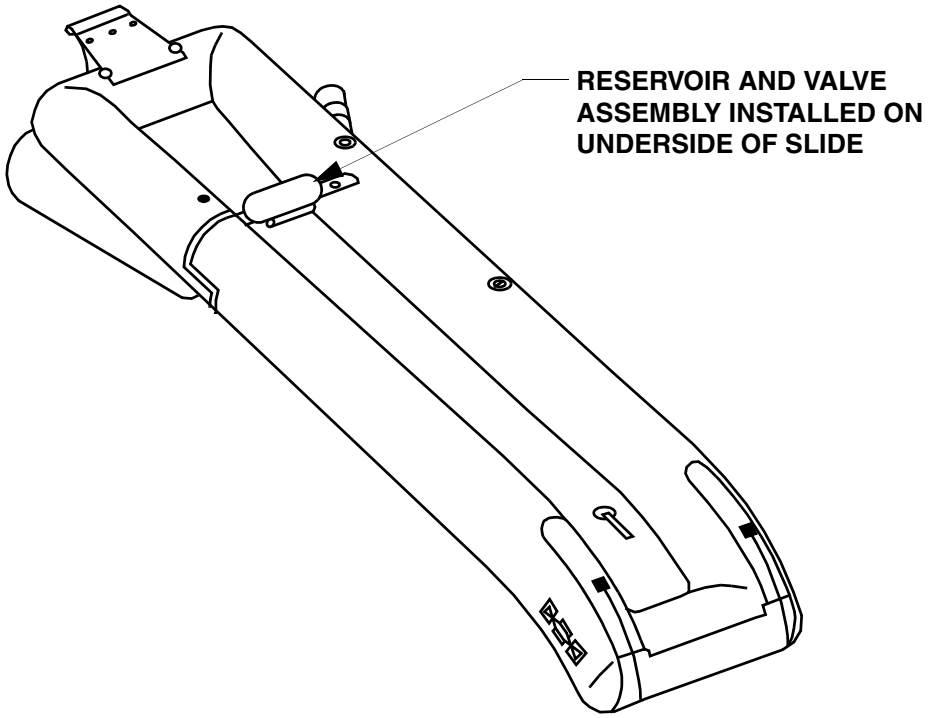
3. Material Information

A. The below EDR (Engineering Data Release) Kit is needed to modify one inflation valve.

New P/N	QTY.	Unit List Price	Key Word	Old P/N	Disposition
EDR 90-1495-101	1	*	Kit	-	
Consisting of:					
B14056-906	1	-	O-Ring	B14056-906	Install per CMM 25-65-11
B13984-3	1	-	Fusible Plug	B13984-3	Install per CMM 25-65-11

* see paragraph 1.G.

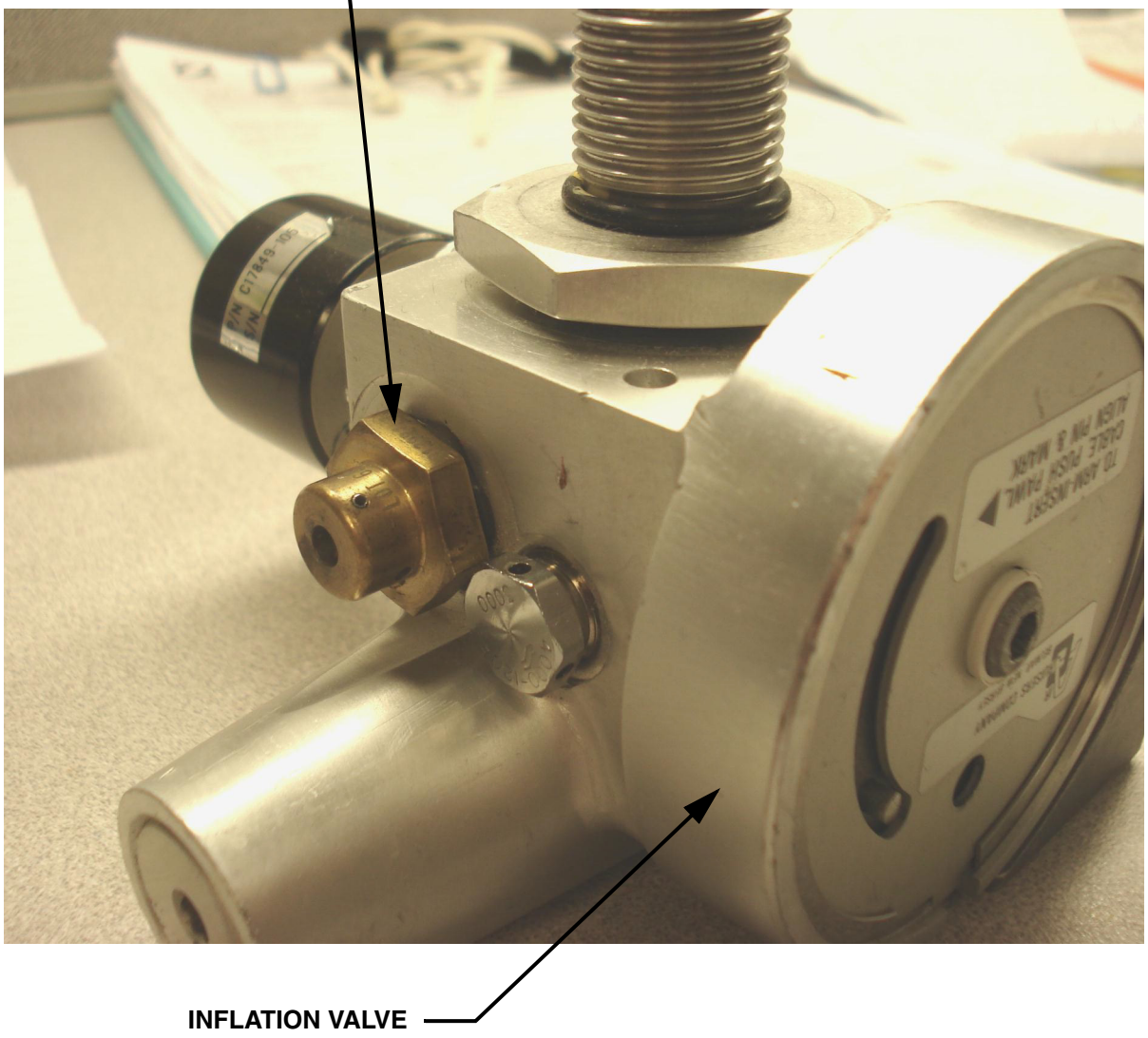
SERVICE BULLETIN



TYPICAL SLIDE SHOWN - UNDERSIDE FACING UP

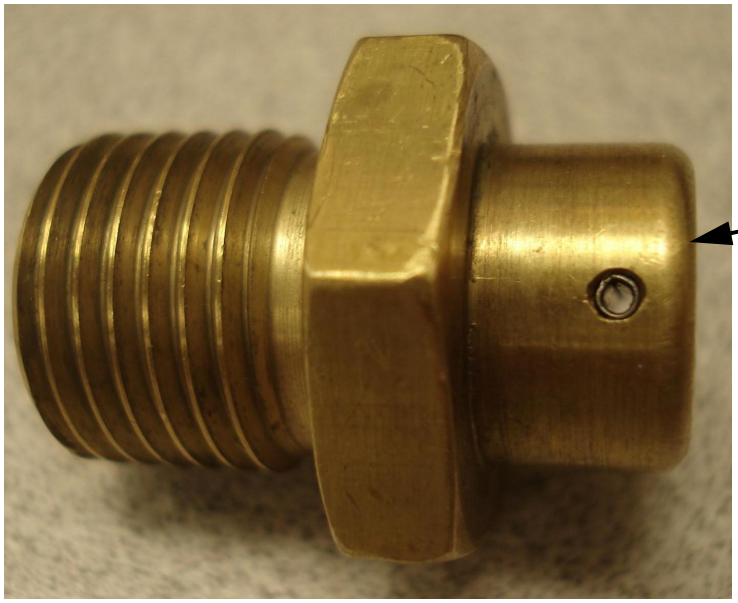
LOCATION OF RESERVOIR AND VALVE ASSEMBLY
FIGURE 1

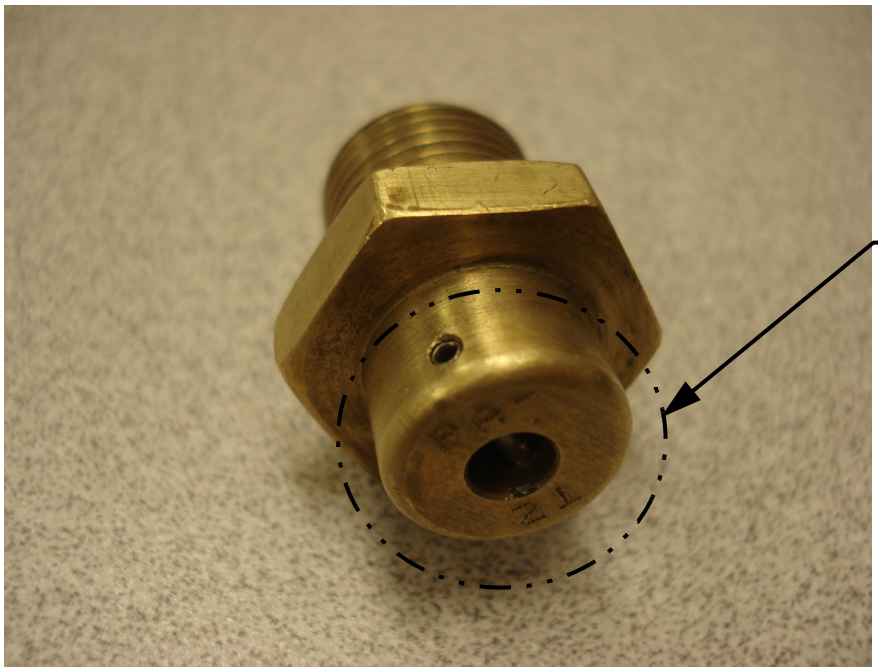
SERVICE BULLETIN



TYPICAL LOCATION OF FUSIBLE PLUG ON VALVE
FIGURE 2

SERVICE BULLETIN





INSPECT LOT NUMBERS ON FUSIBLE PLUG
FIGURE 3