


1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE FORM ONE</b>		3. Form Tracking Number. <b>WO51678</b>	
4. Organization Name and Address. <b>AJW Technique Inc 7055, rue Alexander Fleming Saint-Laurent QC H4S-2B7 Canada</b>				5. Work Order, Contract or Invoice Number: <b>R320050-1</b>	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:
1	Cabin Handset	89-01-07235	1.00	158962	REPAIRED
12. REMARKS Repaired and tested serviceable in accordance with CMM 23-73-01 Rev 18, SB 89-23-13 and SB 89-23-13 For additional information refer to tear down/inspection report.					
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12					
EASA Approval No.: EASA.145.7260 Maintenance performed in accordance with FAR 43.17					
13b. Signature:		13c. Approved Organization Number		14a. Certifies that, except where otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was performed in accordance with Canadian Aviation Regulations. <input checked="" type="checkbox"/> CAR 571.10 Maintenance Release <input checked="" type="checkbox"/> Other regulation specified in Block 12	
13d. Name (Typed or Printed):		13e. Date		14b. Signature  14c. Approval Organization Number <b>33-12</b>	
14d. Name (Typed or Printed): Simon Lamothe		14e. Date (dd/mm/yyyy) 13/Jul/2017			
Installer Responsibilities					
This certificate does not constitute authority to install the part. Installers working in accordance with the national regulations of a country other than specified in Block 1, must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

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**To:**

A J WALTER AVIATION LIMITED  
THE HEADQUARTERS  
MAYDWELL AVENUE  
SLINFOLD, WEST SUSSEX RH13 0AS  
UNITED KINGDOM

**Phone #:**

Code: AJW01

Descr: Cabin Handset

**Fax #:**

PN: 89-01-07235

Serial # : 158962

**Email:**

Qty: 1

Mfg: HOLMBERG GMBH

TSN: N/A

TSO: N/A

TSR: N/A

CSN: N/A

CSO: N/A

CSR: N/A

P/N Out: 89-01-07235

Serial # out: 158962

**Symptoms:**

CODE: REASON FOR REMOVAL

DETAILS: LL4 interphone handset INOP.  
For RE-ID.

**Faults:**

CODE: QUOTE

DETAILS: PRELIMINARY INSPECTION (VISUAL):

PART MISSING: YES  
DAMAGE FOUND (CID): YES  
HRS/CYCLE RECEIVED: NO

**ADDITIONAL REQUIREMENT:**

AD, SB, MOD, SIL YES  
ADD.CUST. REQUEST NO

WARRANTY REQUESTED? NO

**TEST ARRIVAL:**

INITIAL TEST FAIL? YES

REASON FOR REMOVAL CONFIRMED: YES

**DISASSEMBLY/INSPECTION:**

ANY ANOMALIES FOUND DURING DISASSEMBLY/INSPECTION YES

WORK TYPE: REPAIR/SB

**WORKSCOPE:**

CALIBRATION YES  
CLEANING YES  
OUT OF SCOPE YES  
OVERHAUL NO



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PAINTING NO  
PCBR YES  
REPAIR YES  
REWORK NO  
TIME CONTROLLED/TX NO  
RE-QUOTE: NO

CODE: PARTS MISSING/INCOMPLETE

DETAILS: Closing screw and washers missing from unit. See attached pictures.

CODE: CUSTOMER INDUCED DAMAGE

DETAILS: Description of damage found: Main housing has broken closing tabs and broken coiled cable restraints. Back part housing broken at top corner. Coiled cable stretched beyond limits and broken at handset end and cradle end. PCB coiled cable connector damaged and broken. Ear receiver clamp cracked and broken. Microphone screen damper plugged with unknown dried liquid and disintegrating. Identification label unreadable. Possible cause of damage: Unit mishandled, dropped, banged, moisture spilled on unit and pulled too far from cradle. See attached picture(s) QTY: 12

CODE: AD, SB, MOD, SIL REQUIREMENT

DETAILS: These Service Bulletins required to repair unit:  
Holmco Service Bulletin No.: 89-23-15 Revision 00, dated 16 JAN 2009.  
89-01-Z7XXY Handset Series - Improvement of the cable assembly (Coiled Cable).

Holmco Service Bulletin No.: 89-23-13 Revision 00, dated 04 APR 2008.  
Handset series PNR 89-01--Modification of the main housing.

CODE: INITIAL TEST FAILURE

DETAILS: Initial test failure is attributed to unit failing all incoming bench tests. When coiled cable attached to PCB unit failed Microphone audio output tests, Ear receiver tests and Press To Talk tests.

CODE: DISASSEMBLY / INSPECTION FINDINGS

DETAILS: During disassembly and inspection of the unit the following anomalies were found: Coiled cable pulled from PCB board damaging PCB connector. Ear receiver dented from banging. Press To Talk function inoperative due to PCB connector damage.

CODE: OUT OF CALIBRATION

DETAILS: Perform calibration per CMM to adjust microphone audio output level.

CODE: CLEANING

DETAILS: CID cleaning is required due to unknown dried liquid ingested into unit.

CODE: OUT OF SCOPE

DETAILS: The following repair are out of scope: One closing screw not per CMM. See attached picture.

CODE: REPAIR

DETAILS: The following repair(s) will be performed: Back housing, ear receiver, ear receiver clamp, foam ring, acoustic gauze, microphone, identification label, closing screws, washers and PCB require replacing. Main housing requires replacing per Holmco Service Bulletin No.: 89-23-13. Coiled cord requires replacing per Holmco Service Bulletin No.: 89-23-15. Microphone requires calibration. Unit requires cleaning. Final test required.

### Corrective Actions:

CODE: REPAIRED

DETAILS: - Back housing, ear receiver, ear receiver clamp, foam ring, acoustic gauze, microphone, identification label, closing screws, washers and PCB replaced.  
- Main housing replaced as per Holmco Service Bulletin No.: 89-23-13.  
- Coiled cord replaced as per Holmco Service Bulletin No.: 89-23-Microphone requires calibration.  
- Unit cleaned.

PN	Description	Reason	Qty Needed	CD	Disposition
12-17-00005	CIRCUIT BOARD	CID	1	NE	Consumable



# technique

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www.ajw-aviation.com

## Tear Down/Inspection Report

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16-10-90003	DULL SCREW	MI	1	NE	Consumable
16-10-90003	DULL SCREW	OS	1	NE	Consumable
16-17-90037	SPRING WASHER		2	NE	Consumable
19-12-90009	ACCOUSTIC GAUZE	CID	1	NE	Consumable
19-13-90008	RING, FOAM RUBBER	CID	1	NE	Consumable
22-10-90001	RECEIVER CLAMP	CID	1	NE	Consumable
27-14-90162	HOUSING BACK PART FOGGY	CID	1	NE	Consumable
29-10-00001TM	PLATE, IDENTIFICATION	CID	1	NE	Consumable
30-75-00011	COILED CORD	CID	1	NE	Consumable
33-03-00036	HOUSING ASSY HOUSING	CID	1	NE	Consumable
80-01-96825	RECEIVER CAPSULE	CID	1	NE	Consumable
80-22-96844	MICROPHONE UNIT MICROPHN	CID	1	NE	Consumable





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### REASON LEGEND

- (AD) AD: Part replaced due to Air worthiness Directive that needs to be incorporated. This code will include the last digits of the "AD".
- (BR)\* BROKEN: Part found Broken, cracked, crushed, ruptured, split, frayed, deformed. "NOT Customer Induced".
- (BU)\* BURNT: Part found burnt, overheated, scorched, seared, blistered, short circuited etc...
- (CID) CUSTOMER INDUCED DAMAGED: Part which is found damaged due to lack of maintenance, incident, mishandling, FOD etc....
- (CO)\* CORRODED: Part found corroded, pitted, rusted, decayed, oxidized, powdery and is beyond repair.
- (CM) 100% CMM: Part which is a mandatory replacement as per CMM.
- (CT)\* CONTAMINATED: Part found contaminated by foreign object, debris, water, oil etc..." NOT Customer Induced".
- (DE)\* DEFECTIVE: Part defective, intermittent or loose
- (DL)\* DELAMINATED: Part found delaminated.
- (LE)\* LEAKING: Part Leaking, seeping, porous beyond acceptable level as per CMM
- (MI) MISSING: Part missing to complete a unit as per CMM. "Customer responsibility"
- (MO) MODIFICATION: Part requires modification as per CMM or other technical documentation. Part may be modified or replaced with a modified part.
- (NR)\* NOT REUSABLE: Part that cannot be reused EX: O-ring, rings, gaskets, packing's, retainers, stripped screws, lock nuts, seals, lock washer.
- (OS) OUT OF SCOPE: Unit discrepancy not directly caused by customer and is above and beyond normal wear and tear or excluded from applicable commercial contracts.
- (OT)\* OUT OF TOLERANCE: Part did not meet the tolerance or calibration as per CMM.
- (RP)\* RUPTURED: Part Punctured, ripped, torn, cut, deteriorated. (For Diaphragm, bellows...)
- (RW)\* REWORKED: Part reworked, refurbished, balanced, machined as per CMM.
- (SB) SB: Part replaced due to Service Bulletin that needs to be incorporated. This code will include the last digits of the "SB"
- (SE)\* SEIZED: Part seized.
- (SI) SIL: Part replaced due to Service Information Letter that needs to be incorporated. This code will include the last digits of the SIL.
- (TX) TIME CONTROLLED: Part reached the end of its life, it is time expired and may either be overhauled if applicable or replaced due to times or cycles.
- (WO)\* WORN: Part scratched, grinded, rubbed, grooved, scrapped, gouged, chipped, abrasion etc....
- (WT) WARRANTY: Part replaced under warranty
- (CS) CUSTOMER SUPPLIED PARTS: Part supplied by customer
- \* NORMAL WEAR AND TEAR