

GROUP 109 — AIRCRAFT ASSISTED-ESCAPE SYSTEMS

LISTS OF SUB-GROUP LETTERS AND CLASS NUMBERS

AIRCRAFT ASSISTED-ESCAPE SYSTEMS—GENERAL PUBLICATIONS

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—01 Ejection Seats & Components

EJECTION SEATS (BASIC UNITS)

109B —00 General information on ejection seats
—01 Martin Baker ejection seats

EJECTION-SEAT GUN ASSEMBLIES AND ASSOCIATED (CANOPY/SEAT) TIME-DELAY FIRING UNITS

109C —01 Ejection guns
—02 Time-delay firing units

EJECTION-SEAT DROGUES, APRONS AND DROGUE GUNS AND PARACHUTE DEPLOYMENT UNITS

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—02 Breech-type firing units
—04 Cartridge-operated jacks
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—04 Control-column snatch units (firing & operating)
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TRAINING EQUIPMENT AND ROUTINES

109R —01 Seat-ejection trainers

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—05 Special tools (American)

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GROUP 109 — AIRCRAFT ASSISTED-ESCAPE SYSTEMS

TOPIC LIST

TOPIC	3rd—ELEMENT No
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SUB-GROUP 109A

AIRCRAFT ASSISTED ESCAPE SYSTEMS-GENERAL PUBLICATIONS

AP CODE No	TITLE	DATE
109A		
—0002—2	Type 2 Ejection Seats & Components	Jul 75
—0003—2	Type 3 Ejection Seats & Components	Jul 75
—0004—2	Type 4 Ejection Seats & Components	Jul 75
—0006—2	Type 6 Ejection Seats & Components	Jul 75
—0007—2	Type 7 Ejection Seats & Components	Jul 75
—0008—2	Type 8 Ejection Seats & Components	Feb 91
—0009—2	Type 9 Ejection Seats & Components	Jun 75
—0010—2	Type 10 Ejection Seats & Components	May 76
—0012—2	Type 12 Ejection Seats & Components	Oct 88
—0100—2(R)1	General Orders & Special Instructions for Aircraft Assisted, Escape Systems Ejection Seats	Apr 89
—0100—6	Ejection Seats & Components (Martin Baker)	Mar 77

UK RESTRICTED
EJECTION SEATS (BASIC UNITS)

AP CODE No	FAP CODE No	TITLE	DATE
109B			
-0001-1		Introduction to Ejection Seats	Mar 80
-0011-1A		Emergency Rescue Procedures for Aircraft Equipped with Ejection Seats	Jan 90
-0011-1B		Emergency Rescue Procedures for Aircraft Equipped with Ejection Seats	Jan 90
-0102-D1		Typical Type 3 Ejection Seats Exploded View	—
-0103-D1		Typical Type 4 Ejection Seats Exploded View	—
-0107-3A		Ejection Seat Type 2 CA 1/2	Jun 78
-0107-5F		Ejection Seats Type 2 CA Series (Canberra Aircraft) Bay Maintenance Schedule	Apr 89
-0108-1		Ejection Seats Type 2 CB Mk 1 & 2 (Canberra B(1) Mk 8)	1969
-0108-5F		Ejection Seats Type 2 CB/1 & 2 Mk 2 (Canberra B(1) Mk 8 Aircraft)	1968
-0111-15F		Ejection Seats Martin Baker Type 2 H (Hunter F Mk 6, F(GA) Mk 9 & FR Mk 10 Aircraft)	Jun 79
-0113)			
to)			
-0124)			
)—D3		Ejection Seats Type 3 & 4 Series Danger Points & Rescue Procedure	—
-0126)			
to)			
-0134)			
-0114-15F		Ejection Seats Martin Baker Type 3CS Mk 2 Canberra PR9 Aircraft	Nov 80
-0114-3A		Martin Baker Ejection Seat Type 3CS Mk 2	1971
-0114-D1		Canberra PR Mk 9 Escape Drill (1 Sheet)	Feb 75
-0115-1		Ejection Seats (Canberra T4) Type 3CT Mk 1-2	—
-0115-5F		Ejection Seats (Canberra T Mk 4) Type 3CT/1 & 2 Mk 1-2	—
-0116-15F		Ejection Seats Martin Baker Type 3CT/1&2 Mk 3	Jun 79
-0116-3A		Ejection Seat Martin Baker Type 3CT 1&2 Mk 1, 2 & 3	Jul 75
-0117-15F		Ejection Seats (Martin Baker) Type 3H (Hunter F Mk 6, F(GA) Mk 9 & FR Mk 10)	Dec 80
-0122-3A		Ejection Seats Martin Baker Type 3KS 1 & 2 Mk 4	Apr 78
-0123-1		Ejection Seats Martin Baker Types 3L1 Mk 1 & 2, 3L2 Mk 1 & 2 (Victor Mk 1 & Mk 1A Aircraft)	May 72
-0123-5F		Ejection Seats Types 3L/1, Mk 1 & Mk 2, 3L/2, Mk 1 & Mk 2 (Victor Mk 1 & 1A Aircraft)	—
-0124-15F		Ejection Seats Types 3LS/1 & 2, Mk 3 (Victor Mk 2)	Nov 80
-0124-3A		Type 3 LS1 & 2 Mk 1 Martin Baker Ejection Seat	Mar 74
-0126)			
to)—D2A		Ejection Seats Martin Baker Type 4 Series Safety Precautions Typical	—
-0134)			
-0126)			
to)—D2B		Jet Provost T Mk 3, Mk 4 & Mk 5	Jan 74
-0134)			
-0126)			
to)—D2C		Ejection Seats Safety Precautions Seats Martin Baker Type 6 MSB 1 & 2 Series Buccaneer Aircraft	—
-0134)			

SUB-GROUP 109B

EJECTION SEATS (BASIC UNITS)

AP CODE No	FAP CODE No	TITLE	DATE
109B—cont			
—0126) to)—D4 —0134)		Ejection Seats Type 4 Series Top Latch Locking Instructions	—
—0131—5F		Ejection Seats Types 4HA(N) Series (Hunter Aircraft) Bay Maintenance Schedule	Apr 89
—0132—1D5F		Ejection Seats Martin Baker Type 6 MSB (Buccaneer Aircraft)	Nov 79
—0132—3A4		Type 6MSB1, Type 6MSB2 Martin Baker Ejection Seats	Sep 80
—0132—5F		Ejection Seats Type 6MSB Series (Buccaneer Aircraft) bay Maintenance Schedule	Apr 89
—0133—1F		Ejection Seats Martin Baker Types 4P, 4PA & 4 PB (Jet Provost T Mk 3, 4 & 5 Aircraft)	Oct 79
—0133—3A		Martin Baker Ejection Seats Type 4P1 & 4P2, 4PA1 & 4PA2, 4PB1 & 4PB2	Oct 74
—0133—D6		Jet Provost Mk 3 Escape Drill	1975
—0134—15F		Ejection Seat (Martin Baker) Type 4QS Mk 3 (Canberra PR 9 Aircraft)	Oct 80
—0134—3A		Type 4QS Mk 3 Martin Baker Ejection Seat	Nov 80
—0135—3A		Ejection Seats (Phantom 1 & 2) Type 5A 1/2	1970
—0136—1		Ejection Seats Types 9A and 9D (Harrier GR Mk 3 & TMK 4 Aircraft)	—
—0136—3A		Ejection Seats Type 9A Mk 2, Type 9D-1 & 2 Mk 2 Martin Baker Illustrated Parts Catalogue	Nov 77
—0136—5F		Ejection Seats Types 9A & 9D Bay Maintenance Schedule	Aug 88
—0136—D1		Ejection Seats Martin Baker Type 9A Mk 2, 9D 1 & 2 Mk2 (Harrier) Exploded View	Jan 91
—0136—D2 Sheet 1		Ejection Seats Martin Baker Type 9A Mk 2 Safety Precautions Harrier Aircraft GR Mk 3	Aug 79
—0136—D2 Sheet 2		Ejection Seats Martin Baker Type 9 D1 & 2 Mk 2 Safety Precautions Harrier Aircraft T Mk 4	Aug 79
—0136—D3		Safety Precautions Seats (Martin Baker) Type 9D 1 & 2 Mk 2 Harrier T Mk 4 Aircraft	Jun 91
—0137—1		Ejection Seats Martin Baker Type 7A1 Mk 1 & 7A2 Mk 1	—
—0137—3A		Ejection Seat Martin Baker Type 7A 1 & 2	Dec 79
—0137—5F		Ejection Series Type 7A Series (Phantom Aircraft) Bay Maintenance Schedule	Jul 89
—0137—D2		Ejection Seats Martin Baker Type 7A 1 & 2 Mk 3 Safety Precautions	Feb 89
—0139—1B		Ejection Seats Martin Baker Type 9B Mk 3	—
—0139—3		Ejection Seat Type 9B (Martin Baker)	Mar 83
—0139—3B		Ejection Seat Type 9B Mk 3	Jan 86
—0139—5BF		Ejection Seats Type 9B Mk 3 Series Bay Maintenance Schedule	Dec 88
—0139—D1		Ejection Seats Safety Precautions (Martin Baker Type 9B 1 & 2 Mk 3)	Oct 88
—0139—D2		Ejection Seats Martin Baker Type 9B-9B1 & 9B2 Mk 3	Oct 88
—0140—1		Ejection Seats Types 10B1 & 10B2 Mk 1	May 88
—0140—3A		Ejection Seat Type 10B1 & 10B2 Mk 1 (Martin Baker)	Aug 82
—0140—5F		Ejection Seat Type 10B1 & 10B2 Mk 1 Gen & Tech Information Bay Maintenance Schedule	Apr 88
—0140—D1		Safety Precautions Hawk Aircraft T Mk 1, Ejection Seats Martin Baker Type 10B 1 & 2 Mk 1	Oct 77
—0140—D2		Parachute Headbox Assembly Exploded View Seats. Martin Baker Type 10B 1 & 2 Mk 1	Oct 78
—0140—D3		Hawk T Mk 1 Gas Operated System Ejection Seats Martin Baker 10B1 & 2 Mk 1	Jun 77
—0141—1		Ejection Seat Type 10A Mk 1 Panavia Pt Nos P720013 (Front) P722014 (Rear)	Mar 84

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EJECTION SEATS (BASIC UNITS)

AP CODE No	FAP CODE No	TITLE	DATE
109B —cont			
—0141—5F		Ejection Seat Type 10A Series Bay Maintenance Schedule	May 88
	—0141—3A	Martin Baker Seat and Equipment Assemblies	Jun 81
	—0141—3B	Martin Baker Valve Assembly Selector	Jun 81
	—0141—3C	Martin Baker Strap Assy NEG G	Nov 84
—0142—1		Martin Baker Ejection Seat Type 10H Mk 1	Dec 79
—0142—3		Martin Baker Ejection Seat Type 10H Mk 1	Nov 80
—0144—1		Ejection Seat Type 12H (Martin Baker)	Mar 88
—0144—3		Ejection Seat Type 12H	Jun 88
—0144—5F		Ejection Seat Type 12 Series Bay Maintenance Schedule	Jul 89
—0145—1		Ejection Seats (Martin Baker) Type 8LC-1 & 8LC-2	Oct 87
—0145—3		Ejection Seats (Martin Baker) Type 8LC-1 & 8LC-2	Oct 87
—0145—5F		Ejection Seat Type BLC Series	Dec 87

SUB-GROUP 109C

EJECTION SEATS GUN ASSEMBLIES AND ASSOCIATED (CANOPY/SEAT)
TIME-DELAY FIRING UNITS

AP CODE No	FAP CODE No	TITLE	DATE
109C			
-0101-1		Ejection Gun Type 1 Mk 1	—
-0101-5F		Ejection Gun Type 1 Mk 1	—
-0102-1		Ejection Gun Type 2 Mk 1	—
-0103-1		Ejection Guns Type 3 Series 10, 11 & 12	Jul 76
-0103-5F		Ejection Guns Type 3 Series 10, 11 & 12 Bay Maintenance Schedule	Apr 89
-0103-D5		Ejection Seats Servicing Ejection Gun Type 2 & 3 Series	—
-0104-1		Ejection Gun & Guide Rail Assemblies (Martin Baker)	Apr 88
	-0104-3	Ejection Gun & Guide Rail Assemblies	—
-0104-5F		Ejection Gun & Guide Rail Assemblies (Martin Baker)	Jan 88
	-0106-3	Martin Baker Gun Main Seat Fore & Aft	Sep 80
-0201-5F		Canopy Jettison & Time-Delayed Firing Units (Canberra & Hunter Aircraft) Bay Maintenance Schedule	Apr 89
-0202-1		Firing Units	Jul 88
-0202-5F		Firing Units Bay Maintenance Schedule	Oct 88
-0204-15F		Canopy Jettison & Time — Delayed Firing Unit (Victor Aircraft)	Jun 80
-0205-1		Breech Type Time Delayed Ejection Gun Firing Unit	—
-0206-1		Breech Type Time Delayed Ejection Gun Firing Units	—
-0206-5		Breech Type Time Delayed Firing Units	Jan 88
	-0210-1	Breech Time Delay Firing Unit Martin Baker Pt No MBEU 018-4/60019-4 ...	Jul 81
-0210-5F		Breech Time Delay Firing Unit Pt No MBEU 600/9 Series, MBEU 77204 Series, MBEU 77205 Series	Apr 89

AP 100Z-0101 AL123
SUB-GROUP 109D

UK RESTRICTED

EJECTION-SEAT DROGUES, APRONS AND DROGUE GUNS AND
PARACHUTE DEPLOYMENT UNITS

AP CODE No	TITLE	DATE
109D		
-0202-15F	Drogue Guns Type 2 Mks 1 & 2, Type 3 Mks 1 & 2	Jul 83
-0203-1	Drogue Guns Types 4, 5, 9 to 11, 17, 20, 24 and 25.....	—
-0203-5F	Drogue Guns Types 4, 5, 9-11, 17-20, 24 & 25.....	—
-0205-1	Drogue Guns Double Cartridge	Dec 89
-0205-5F	Drogue Guns Types 27, 29, MBEU 62330 & MBEU 77198	Apr 88
-0206-1	Drogue Gun Type 28	Jul 84
-0206-5F	Drogue Gun Type 28 Bay MA	—
-0208-1	Parachute Deployment Unit (Martin Baker) Gen & Tech Information.....	Dec 88
-0208-5F	Parachute Deployment Unit Type 1 Mk 1	Oct 87

SUB-GROUP 109E

TIME-RELEASE UNITS (EJECTION-SEAT DROGUES AND HARNESS)

AP CODE No	TITLE	DATE
109E		
—0101—5F	Barostatic Time Release Units Types 1, 2, 3, 3A, 4 & 16 Mk 1	Apr 89
—0103—1	Barostatic Time Release Units Types 5 to 10, 15, 17 to 20 & 22	Jan 84
—0103—5F	Barostatic Time Release Unit Types 5, 6, 7, 9, 17, 19, 20 & 22	Jan 88
—0104—1	Barostatic Time Release Units Cartridge Operated. Types 24, 25, 26 MBEU 60013 & 77197 (Martin Baker)	Mar 88
—0104—5F	Barostatic Time Release Units Cartridge Operated (Martin Baker)	Jan 88
—0106—1	Barostatic Time Release Units Double Cartridge	Jul 88
—0106—5F	Barostatic Time Release Unit Type 23 Mk 1 Bay Maintenance Schedule	Jul 89

CANOPY JETTISON SYSTEMS AND EQUIPMENT

AP CODE No	FAP CODE No	TITLE	DATE
109F			
-0101-1		Canopy Jettison Equipment (Buccaneer Aircraft)	Aug 84
-0101-5F		Canopy Jettison Equipment (Buccaneer Aircraft) Bay Maintenance Schedule	Apr 89
-0102-15F		Canopy Jettison Equipment (Canberra Pr 9 Aircraft)	Aug 84
-0104-15F		Canopy Jettison Equipment Hunter F Mk 6 F(GA) Mk 9 FR Mk 10 & GA Mk 11 Aircraft	Aug 84
-0105-1		Canopy Jettison Equipment (Hunter Mk 7 & 8)	Aug 84
-0105-5F		Canopy Jettison Equipment (Hunter T MK 7 & T Mk 8 Aircraft) Bay Maintenance Schedule	Apr 89
-0107-15F		Canopy Jettison Equipment (Jet Provost T Mk 3A & 4 Aircraft)	Aug 84
-0112-5F		Canopy Jettison Equipment Bay Maintenance Schedule	May 88
	-0112-1	Canopy Jettison Components Martin Baker Pt No MBCJ 2235-2 Pt No MBCJ 2234, 2233-1 2247-1	Feb 82
	-0112-3A	Martin Baker Jack Assembly Canopy Unlocking LH & RH	Sep 80
	-0112-3B	Martin Baker Piston Unit Assembly	Mar 80
	-0112-3C	Martin Baker Breech Unit Assembly	Mar 80
-0113-15F		Canopy Jettison Equipment (Victor Aircraft)	Aug 84
-0115-1		Canopy Jettison Equipment Phantom Aircraft FG Mk 1 FGR, Mk 2 and F4J (UIC)	—
-0115-5F		Canopy Jettison Equipment (Phantom A/c) Bay Maintenance Schedule	Jul 89
-0116-1		Canopy Jettison Equipment (Jet Provost T Mk 5) Aircraft General & Technical Information	—
-0116-5F		Canopy Jettison Equipment (Jet provost T Mk 5 Aircraft)	Dec 88
-0201-1		Breech Firing Unit	Aug 84
-0204-5F		Detonator Unit Assemblies Hawker Siddeley Aviation Ltd Pt No B284587 & B297731	Aug 88
-0205-123A		Twin Detonator Unit Assembly BAe Pt No KB 536 K0260-012	Mar 75
-0205-5F		Twin Detonator Unit Assembly BAe Pt Nos KB 536 K0260-012, KB 536 K0260-018	—
-0206-12		MDC Detonator Firing Units Buccaneer	Dec 78
-0206-5F		MDC Detonator Firing Units (Buccaneer Aircraft) Bay Maintenance Schedule	Apr 89
-0207-125F		Detonator Firing Unit — MDC Canberra Pr Mk 9	Nov 77
-0208-1		Initiator Unit Assembly Pt No Y21153 Canopy Fragmentation System (Tornado)	Oct 83
-0403-5F		Strut Disconnect Jack and By-Pass Valve Martin Baker Pt No MBCJ2315. Canopy Unlocking By-Pass Valve Martin Baker Pt No MBCJ2314	Dec 88
-0404-5F		High Velocity Canopy Jettison Jack Martin-Baker Pt No MBCJ 2313	—
-0501-13A		Balancing Rod AMD-BA Pt Nos 121B 26750-00-0M 1 & 1B 26770-00-0M 1	May 76

SUB-GROUP 109G

MISCELLANEOUS COMPONENTS AND UNITS

AP CODE No	FAP CODE No	TITLE	DATE
109G			
-0101-1		Personal Equipment Connectors (Martin Baker Type)	Aug 77
-0102-1		Personal Equipment Connector (Martin Baker) Ejection Seats Type 7A, 9A & 9D (Phantom & Harrier Aircraft)	—
-0103-1		Personal Equipment Connector (Martin Baker) (Type 9B Ejection Seats)	Feb 84
-0104-1		Personal Equipment Connector Type 10B & 10H Ejection Seats (Martin-Baker)	Sep 83
-0107-1		Personal Equipment Connector Ejection Seats Type 12H (Martin Baker) General & Technical Information	Nov 88
	-0105-1	Personal Equipment Connector (Martin Baker) Seat Port No MBEY60061-100 A/C Port MBEU 60064-100 Man Port 60062/63-100	Mar 82
	-0105-3A	Martin Baker Connector Assy Aircraft Portion	Sep 80
	-0105-3B	Martin Baker Connector Centre Body Personal Equipment	Sep 80
	-0105-3C	Martin Baker Man Portion Assembly PEC	Oct 80
-0108-1		Personal Equipment Connector (Martin Baker) Ejection Seats, Type 8LC (Tucano Aircraft)	—
-0109-1		Personal Equipment Connector Ejection Seats Type 6MSB (Martin Baker) ...	Sep 88
-0301-1		Inward Relief & Excess Pressure Valve Type RV51/2	1967
-0401-15F		Control Column Snatch Units (Martin-Baker) Pt Nos MBCJ-473 MBCJ-1002 MBCJ-2106	Feb 79
-0503-5F		Automatic Deployment Units	Oct 91
-0503-12		Automatic Deployment Units (Personal Survival Packs) (Martin Baker)	May 90
-0701-1		Gullotine Systems	—
-0701-5F		Guillotine Systems (Bay Maintenance Schedule)	—
-0801-1		Mode Selector (Martin-Baker) General & Technical Information	Nov 88
-0801-5F		Mode Selector Type 1 Mk 1 Bay Maintenance Schedules	Jul 89
-0901-1		Harness Power Retraction Units (Martin Baker) General & Technical Information	Jul 91
-0901-5F		Harness Power Retraction Units (HPRU)	Aug 88

AP 100Z—0101 AL123
SUB-GROUP 109R

UK RESTRICTED
TRAINING EQUIPMENT AND ROUTINES

AP CODE No	TITLE	DATE
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109R

—0101—1	Ejection Seat Trainers (Martin Baker)	Mar 75
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SUB-GROUP 109S

SPECIAL TOOLS

AP CODE No	TITLE	DATE
109S		
—0001—125F	Ejection Seats Servicing & Storage Stands General & Technical Information General Orders & Modifications Bay Servicing Schedule	—
—0100—1	Special Tools Ejection Seats (Martin Baker Types)	Sep 76
—0501—1	Special Tools for Canopy Jettison Initiators (Phantom Aircraft).....	—

AP 100Z-0101 AL123
SUB-GROUP 109T

UK RESTRICTED

TEST EQUIPMENT

AP CODE No	FAP CODE No	TITLE	DATE
109T			
-0101-12		Test Set, Ejection Seat Components (ML Aviation Co Ltd)	Feb 80
-0102-12		Test G-Controller Switch	Apr 76
-0103-12		Barostat Checking Equipment	Apr 76
-0105-12		Tester Continuity Ejection Seat MIC/TEL Leads	Apr 76
-0106-12		Test Fixture Rated Spring	May 88
-0107-12		Test Set Time Mechanism	—
-0108-123		Test Set, Timing, Electronic	Dec 81
-0109-123		Test Set, Altitude	Jan 82
-0111-123		Test Set Functional/Leak	Aug 80
-0112-1		Time-Release 'G' Controlled Barostat Test Equipment (Martin Baker) Pt No MBEU 55555-403 Magerd 2668	Jan 89
	-0112-3	Martin Baker Unit Barostat Test	Sep 86
	-0113-3	Rig Timing Test (Martin Baker)	—
-0113-13		Test Unit Models 105GT-1030-T3-T5-T7-T9, 134G-1041-T1-T3-T5-T7	Nov 84
-0114-3		MEL Aviation Rig Canopy Jettison	May 87