

Chapter 3 ELECTRICAL
Sheet 1
AL 7

MASTER SERVICING LIST
CANBERRA
2,3,4,6,7,15,17,18,19 & 22

AP101B-0400-5A1
Section 1
(2nd Ed)

Sched Ident No	Item	Operation	Frequency	Marks Applicable										
					B/F	T/R	A/F	P	M	MJ		Crit	Str Int	
<u>AIRCRAFT GENERAL - 01</u>														
030101	<u>General</u> Bonding.	Check.	1000	All							X			
	<u>Bomb/Flare or Starboard Undercarriage Compartment</u> Fatigue meter.	Record indications.	T/R, A/F	All		X	X							
		See CRL.		All										
030103	<u>Port Engine Compartment</u> Junction Box 11.	Examine internally. (Introduced by SI/Canberra/212).	250	2,4,17 18,19						X	X			
030104	<u>Starboard Engine Compartment</u> Junction Box 12.	Examine internally. (Introduced by SI/Canberra/212).	250	2,4,17 18,19						X	X			
<u>FURNISHINGS - 07</u>														
030701	<u>Cabin</u> Cooling fans.	Operate.	125	17					X	X	X			
SMS/77/453/13					Continued overleaf									

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing								Crit	Str Int
					B/F	T/R	A/F	P	M	M ₁				
<u>EMERGENCY EQUIPMENT - 08</u>														
030801	<u>General</u>													
	Wing clearance jettison system.	Test.	250	18						X	X			
	<u>Pilots Compartment</u> <u>(Jettison Relay Panel)</u>													
	Relays Type S7 or S8. (2 off).	See CRL.		2,3,6,7,15,17 18,19,										
	<u>Pilots Compartment</u>													
	Canopy/Snatch master safety switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	All	X	X	X							
	Pilots canopy jettison switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	All	X	X	X							
	Pupils canopy jettison switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	4	X	X	X							
	<u>Crew Compartment</u>													
030806	Navigators hatch safety switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	2,3,4,6,7,15, 17,18,19,22	X	X	X							
030807	Navigators hatch jettison switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	2,3,4,6,7,15, 17,18,19,22	X	X	X							
030808	AEO hatch jettison switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	6, 17	X	X	X							
SMS/77/453/13A														
Continued														

Chapter 3 ELECTRICAL
Sheet 2
AL 8

MASTER SERVICING LIST
CANBERRA
2,3,4,6,7,15,17,18,19,22

AP101B-0400-5A1
Section 1
(2nd Ed)

Sched Ident No	Item	Operation	Frequency	Marks Applicable										
					B/F	T/R	A/F	P	M	MJ		Crit	Str In	
<u>EMERGENCY EQUIPMENT - 08 (Contd)</u>														
030809	Passengers hatch jettison switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	18	X	X	X							
030810	Air bombers hatch safety switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	2, 15	X	X	X							
030811	Air bombs hatch jettison switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	2, 15	X	X	X							
030812	<u>Upper Equipment Hatch (Jettison Relay Panel)</u> Relays Type S7 or S8.	See CRL.		4										
<u>TRIM OPERATING SYSTEM - 10</u>														
031001	<u>Pilots Compartment (Underfloor)</u> Aileron trim actuator Type 259. (Pre Mod EE/ACT/2348).	Examine. (Introduced by SI/Canberra/29A).	250	All						X	X			
031002	<u>Rudder</u> Rudder trim actuator Type 258. (Pre Mod EE/ACT/2348).	Examine. (Introduced by SI/Canberra/29A).	250	All						X	X			

SMS/78/82/13

Continued overleaf

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing									Crit	Str Int
					B/F	T/R	A/F	P	M	M J					
031003	Rudder trim actuator cables.	Examine. (Introduced by SI/Canberra/25A).	125	ALL				X	X	X					
031004	<u>Rudder Trim Control</u> Switched negatives.	Check insulation.	250	ALL					X	X					
<u>VARIABLE INCIDENCE TAILPLANE OPERATING SYSTEM - 11</u>															
031101	<u>Pilots Compartment</u> Pilots control handle. (Post Mod 3816)	Servicing deleted by AL 8.													
031102	Pilots control handle.	Check. (Introduced by SI/Elect/13C).	125	15				X	X	X					
031103	<u>Rear Compartment Type T100B Isolating Relay</u> Diode. (Pre Mod 4335).	Examine. (Introduced by SI/Canberra/84A).	125	All				X	X	X					
031104	<u>Rear Compartment</u> Reversing relay.	Examine.	250	All					X	X					
031105	<u>Tail Unit</u> Tailplane actuator.	Replace. (Recondition). (Airframe).	1000	All						X					
SMS/7 S/82/13A															
Continued															

Chapter 3 ELECTRICAL
Sheet 3
AL 6

MASTER SERVICING LIST
CANBERRA
2, 3, 4, 6, 7, 15, 17, 18, 19 & 22

AP101B-0400-5A1
Section 1
(2nd Ed)

Sched Ident No	Item	Operation	Frequency	Marks Applicable	B/F	T/R	A/F	P	M	MJ		Crit	Strin
<u>UNDERCARRIAGE OPERATING SYSTEM - 19</u>													
031901	<u>Pilots Compartment</u>												
	Undercarriage master switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	All	X	X	X						
	<u>Port, Starboard and Nose Undercarriage Compartments</u>												
031902	Micro switches.	Examine.	125	All				X	X	X			
031903	Cables and connectors.	Examine.	125	All				X	X	X			
<u>BASIC ENGINES - 22</u>													
032201	<u>Pilots Compartment</u>												
	Tachometer. (2 off).	Replace. (Bay Service).	1000	All						X			
Continued overleaf													

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing								Crit	Str Int
					B/F	T/R	A/F	P	M	MJ				
<u>ENGINE STARTING AND IGNITION SYSTEM - 26</u>														
032601	<u>General</u> Relight system.	Operate.	T/R, A/F	All		X	X							
	<u>Port and Starboard Mainplanes</u> High energy ignition cables.	Examine.	250	All					X	X				
<u>ENGINE ANTI-ICING SYSTEM - 28</u>														
032801	<u>General</u> Anti-icing system.	Operate.	B/F, T/R	6,7,15,22	X	X								
	<u>Port and Starboard Mainplanes</u> Cables and connectors.	Examine.	250	6,7,15,22					X	X				
SMS/77/282/15A										Continued				

Chapter 3 ELECTRICAL
Sheet 4
AL 7

MASTER SERVICING LIST
CANBERRA
2,3,4,6,7,15,17,18,19, & 22

AP101B-0400-5A1
Section 1
(2nd Ed)

Sched Ident No	Item	Operation	Frequency	Marks Applicable											Crit	Str Int
					B/F	T/R	A/F	P	M	MJ						
	<u>AIR CONDITIONING AND PRESSURIZATION SYSTEM - 34</u>															
	<u>General</u>															
033401	Cabin pressure control warning system.	Operate (using test facility)	B/F 250	All	X				X	X						
	<u>AIRCRAFT FUEL AND PRESSURIZATION SYSTEM - 39</u>															
	<u>General</u>															
033901	Fuel contents indication system.	Zero check.	250	All					X	X						
	<u>Bomb/Flare Compartment</u>															
033902	Fuel contents amplifiers. (3 off).	Examine.	1000	All						X						
Continued overleaf																

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing									
					B/F	T/R	A/F	P	M	MJ			Crit	Str Int
033903	<u>Port and Starboard Mainplanes</u>													
	Fuel contents amplifiers.	Examine.	1000	6,7,15,22						X				
033904	Vent valve heaters.	Examine and particularly for corrosion of pins. (Removed).	250	6,7,15,22					X	X				
		Ensure operating correctly by feel.	250	6,7,15,22					X	X				
<u>FIRE PROTECTION SYSTEM - 40</u>														
034001	<u>General</u>													
	Fire protection system.	Test.	250	All					X	X				
034002	<u>Port, Starboard, VHF or Battery Equipment Compartments</u>													
	Inertia switches. (2 off).	Ensure not operated.	T/R, A/F	All		X	X							
034003	<u>Port and Starboard Engine Compartments</u>													
	Fire detector switches.	Examine.	250	All					X	X				
SMS/77/453/14A														
Continued														

Chapter 3 ELECTRICAL
Sheet 5MASTER SERVICING LIST
CANBERRA
2,3,4,6,7,15,17,18,19 & 22AP101B-0400-5A1
Section 1
(2nd Ed)

Sched Ident No	Item	Operation	Frequency	Marks Applicable											Crit	Str Int
					B/F	T/R	A/F	P	M	M J						
<u>FIRE PROTECTION SYSTEM - 40</u>																
(Contd)																
034004	Cables and connectors.	Examine.	250	All						X	X					
	<u>Special Radio Compartment</u>															
	034005	Firewire sensing elements.	Examine and particularly for signs of kinking, chafing and mechanical damage.	250	17						X	X				
034006	<u>Frame 18-19</u>															
	Indicator fuze.	Look for discolouration.	B/F, T/R, A/F	17	X	X	X									
		See CRL.														
<u>EXPLOSION SUPPRESSION - 41</u>																
034101	<u>General</u>															
	Explosion suppression system.	Test.	250	3,7,22						X	X					
EO577 (77)															Continued overleaf	

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing									
					B/F	T/R	A/F	P	M	MJ			Crit	Str Int
034102	<u>Bomb/Flare Compartment</u> Indicator fuze.	Look for discolouration.	B/F, T/R, A/F	3,7,22	X	X	X							
		See CRL.		3,7,22										
034103	Flight/Reset/Test switch.	Ensure set to 'FLIGHT'.	B/F	3,7,22	X									
034104	<u>Fuselage</u> Crash trip switches.	Examine.	125	3,7,22				X	X	X				
	<u>No.6 Tank</u> Suppressor columns.	Check resistance.	250	3,7,22					X	X				
<u>JET PIPE TEMPERATURE AND INDICATING SYSTEM - 42</u>														
034201	<u>Port and Starboard Jet Pipes</u> Thermocouples and compensating leads.	Examine as far as possible.	250	All					X	X				
	<u>Upper Equipment Compartment</u> Voltage compensator anti-vibration mountings.	Examine.	250	All					X	X				
EO577 (77A)									Continued					

Sched Ident No	Item	Operation	Frequency	Marks Applicable											
					B/F	T/R	A/F	P	M	M J		Crit	Str Int		
<u>ELECTRICAL POWER SUPPLY AND DISTRIBUTION - 43</u>															
034301	<u>General</u> Generator control system.	Check.	250	All						X	X				
	<u>Port and Starboard Mainplanes</u> Generators. (2 off).	Replace. (Bay Service). (Propulsion).	250	6,7,15,22						X	X				
034302			500	2,3,4,17,18,19						X (2)	X				

EO577 (78)

Continued overleaf

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing								
					B/F	T/R	A/F	P	M	MJ		Crit	Str Int
034303	<u>Battery Compartment</u> Main batteries.	Connect.	B/F	2,3,4,6,7,15, 17,18,19,22	X								
		Check voltage.	B/F	2,3,4,6,7,15, 17,18,19,22	X								
		Look for leaks.	A/F	All			X						
		Disconnect.	A/F	All			X						
		See CRL.		All									
034304	<u>Pilots Compartment</u> Battery isolation switch.	Ensure set to 'OFF'.	T/R, A/F	All		X	X						
034305	Emergency lead acid batteries.	Disconnect.	A/F	2,3,6,7,15,17, 18,19,22			X						
		Connect.	B/F	2,3,6,7,15,17, 18,19,22	X								
		See CRL.		2,3,6,7,15,17, 18,19,22									
034306	Spare fuses.	Ensure correct quantity and rating.	B/F	All	X								
		Test for continuity.	250	All					X	X			
EO577 (78A)												Continued	

Chapter 3 ELECTRICAL
Sheet 7
AL 6

MASTER SERVICING LIST
CANBERRA
2,3,4,6,7,15,17,18,19 & 22

AP101B-0400-5A1
Section 1
(2nd Ed)

Sched Ident No	Item	Operation	Frequency	Marks Applicable										
					B/F	T/R	A/F	P	M	M J		Crit	Str Int	
<u>ELECTRICAL POWER SUPPLY AND DISTRIBUTION - 43 (Contd)</u>														
034307	<u>Crew Compartment</u>													
	Spare fuses.	Ensure correct quantity and rating.	250	All						X	X			
		Test for continuity.	250	All						X	X			
034308	<u>Upper or Port Equipment Compartment</u>													
	Battery Type K (Standby UHF). (If fitted).	See CRL.		2,4,6,7,15,18,19,22.										
034309	<u>Upper Equipment Compartment</u>													
	Emergency lead acid batteries.	Disconnect.	A/F	2,4,6,7,15,18,19,22				X						
		Connect.	B/F	4	X									
		See CRL.		4										
034310	<u>Port and Starboard Mainplanes</u>													
	Generator cables and connexions.	Examine.	250	All						X	X			
Continued overleaf														

SMS/17/282/16

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing								Crit	Str Int
					B/F	T/R	A/F	P	M	M J				
034311	<u>Bomb/Flare Compartment</u> (Port and Starboard Wing Root) Plugs and sockets.	Examine.	250	All					X	X				
034312	<u>Main Electrical Panel</u> Bus-bar connecting link.	Examine.	250	All					X	X				
TURBO ALTERNATOR AND SUPPLIES - 44														
034401	<u>General</u> Alternator control system.	Check.	250	17					X	X				
034402	<u>Port and Starboard</u> <u>Alternator Compartments</u> Alternators. (2 off).	Replace. (Bay Service). (Propulsion).	500	17					X (2)	X				
034403	<u>Special Radio</u> <u>Compartment</u> Logic unit.	Test.	250	17					X	X				
034404	Contactors.	Replace (Bay Service)	500	T17					X (2)	X				
SMS/77/282/16A									Continued					

Chapter 3 ELECTRICAL
Sheet 8

MASTER SERVICING LIST
CANBERRA
2,3,4,6,7,15,17,18,19 & 22

AP101B-0400-5A1
Section 1
(2nd Ed)

Sched Ident No	Item	Operation	Frequency	Marks Applicable											Crit	Str Int
					B/F	T/R	A/F	P	M	MJ						
	<u>INTERNAL AND EXTERNAL LIGHTING SYSTEMS - 45</u>															
	<u>General</u>															
034501	Internal and external lighting systems.	Operate. (If night flying intended).	B/F	All	X											
	<u>Pilots Compartment</u>															
034502	Emergency alkaline battery.	See CRL.		2,3,4,6,7,19, 22												
034503	Emergency lighting switch. (Pre Mod Elect/C426).	Examine. (Introduced by SI/Elect/38C).	125	4,6,15				X	X	X						
034504	E2A compass cowl. (Pre Mod 3816).	Ensure secure.	B/F, T/R	4	X	X										
034505	Accelerator lamp cowl. (Post Mod 1461).	Ensure secure.	B/F, T/R	4,7	X	X										
	<u>Fuselage</u>															
034506	Anti-collision lamps.	Operate.	B/F, T/R	All	X	X										
EO577 (80)																

Continued overleaf

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing								Crit	Str Int
					B/F	T/R	A/F	P	M	MJ				
034507	<u>Port Mainplane</u> Landing lamp Type J. _____ or _____ Landing lamp Type K.	Examine. (Introduced by SI/Elect/42).	125	All				X	X	X				
	<u>Tail Cone</u> Navigation lamp. (2 off).	Examine lamp fittings and cables.	250	All					X	X				
<u>RADIO POWER SUPPLIES - 46</u>														
034601	<u>General</u> Radio power supplies.	Check.	250	2,3,4,6,7,15, 18,19,22					X	X				
	<u>Upper and/or Starboard or Bomb/Flare or Forward Camera Compartments</u> Inverter Type 201B.	Replace. (Bay Service).	500	6,7					X (2)	X				
034602			1000	3 (If fitted)						X				
	Inverter Type 200A.	Replace. (Bay Service).	1000	2,3,4,15,19						X				
EO577 (80A)														
Continued														

Chapter 3 ELECTRICAL
Sheet 9
AL 9

MASTER SERVICING LIST
CANBERRA
2,3,4,6,7,15,17,18,19 & 22

AP101B-0400-5A1
Section 1
(2nd Ed)

Sched Ident No	Item	Operation	Frequency	Marks Applicable	B/F	T/R	A/F	P	M	MJ		Crit	Str Int
<u>RADIO POWER SUPPLIES - 46</u> (Contd)													
034604	Inverter Type 108.	Replace. (Bay Service).	500	B2 Post SRIM 3084 T4 Post SRIM 3506 T19 Post SRIM 3505 6, 15, 18, 22					X (2)	X			
	_____ or _____ Inverter Type 108A.												
034605	Inverter Type 103A.	Replace. (Bay Service).	500	3, 6, 7, 15					X (2)	X			
034606	Royal inverter Type 4F.	Replace. (Bay Service).	500	6					X (2)	X			
034607	Inverter Type 107.	Replace. (Bay Service).	500	22					X (2)	X			
<u>PITOT/STATIC SYSTEM AND INSTRUMENTS - 48</u>													
034801	<u>Port Undercarriage Compartment</u>	Drain.	250	2, 3, 4, 6, 7, 15, 18, 22					X	X			
	Drain traps.												

SMS/78/242/29

Continued overleaf

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing									
					B/F	T/R	A/F	P	M	MJ		Crit	Str	Int
034802	Pipelines.	Examine and particularly for corrosion at 'P' clips.	250	2,3,4,6,7, 15,18,22					X	X				
034803	<u>Bomb/Flare Compartment</u>													
	Drain traps.	Drain.	250	2,4,6,15,18, 19,22					X	X				
034804	<u>Nose Compartment and/or Under Navigators Floor</u>													
	Drain traps.	Drain.	250	2,3,4,6,7, 15,18,19					X	X				
034805	Pipelines.	Examine.	250	4					X	X				
034806	Maricon tubing.	Examine.	1000	2,3,4,6,7, 15,18,19						X				
	<u>Camera Compartment</u>													
034807	Drain traps.	Drain.	250	3					X	X				
	<u>Battery Compartment</u>													
034808	Drain traps.	Drain.	250	7,19,22					X	X				
	<u>Pilots Compartment</u>													
034809	Altimeter Mk 22D. or	Servicing deleted by AL 9.												
	Altimeter Mk 29B.	Servicing deleted by AL 9.												
SMS/78/242/29A														
Continued														

Chapter 3 ELECTRICAL
Sheet 10
AL 9

MASTER SERVICING LIST
CANBERRA
2,3,4,6,7,15,17,18,19 & 22

AP101B-0400-5A1
Section 1
(2nd Ed)

Sched Ident No	Item	Operation	Frequency (Weeks)	Marks Applicable	B/F	T/R	A/F	P	M	M J				Str Int
<u>PITOT/STATIC SYSTEM AND INSTRUMENTS - 48 (Contd)</u>														
034810	Airspeed indicator Mk 15A.	Servicing deleted by AL 9.												
	_____ or _____ Airspeed indicator Mk 9M.													
034811	Drain traps.	Drain.	250	4					X	X				
034812	Maricon tubing.	Examine.	1000	4,7,17,22						X				
034813	<u>Crew Compartment</u> Altimeter Mk 19F.	Servicing deleted by AL 9.												
	_____ or _____ Altimeter Mk 30A.													
	_____ or _____ Altimeter Mk 30B.													
034814	Airspeed indicator Mk 9M.	Servicing deleted by AL 9.												
034815	Maricon tubing.	Examine.	1000	3,6,7,15,17, 18,22						X				
034816	Drain traps.	Drain.	250	6,7,15,19					X	X				
Continued overleaf														

SMS/78/242/30

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing								
					B/F	T/R	A/F	P	M	M J		Crit	Str Int
034817	<u>Port Inner Mainplane</u> Drain traps.	Drain.	250	17,19,22					X	X			
034818	<u>Cabin Compartment</u> Drain traps.	Drain.	250	17					X	X			
034819	<u>Port Equipment Compartment</u> Drain traps.	Drain.	250	17					X	X			
034820	<u>Centre Fuselage</u> Drain traps.	Drain.	250	17					X	X			
034821	<u>Port Outer Mainplane</u> Drain traps and pipelines.	Drain and dry out. (Introduced by STC/SI/ Canberra/002B).	125	6,7,17,19,22				X	X	X			
034822	<u>Upper Equipment Compartment</u> Pressure error correction unit.	Replace. (Bay Service).	500	2,3,4,6,15, 17,18,19					X (2)	X			
034823	<u>Forward Nose Section</u> Static vent plates (Port and Starboard).	Examine	250	ALL					X	X			
034824	<u>Rear Nose Section</u> Static vent plates (Port and Starboard).	Examine.	250	ALL					X	X			
SMS/78/242/30A												Continued	

Chapter 3 ELECTRICAL
Sheet 11
AL 7

MASTER SERVICING LIST
CANBERRA
2,3,4,6,7,15,17,18,19 & 22

AP101B-0400-5A1
Section 1
(2nd Ed)

Sched Ident No	Item	Operation	Frequency	Marks Applicable	B/F	T/R	A/F	P	M	MJ		Crit	Str Int
<u>FLIGHT INSTRUMENTS AND SUPPLIES</u> - 49													
034901	<u>General</u>												
	Flight instrument supplies.	Check.	250	All					X	X			
	<u>Upper, Starboard, Bomb/ Flare VHF or Crew Compartment</u>												
	Inverter Type 100A complete with Control panel Type 12. (Main).	Replace. (Bay Service).	250	4					X	X			
	Inverter Type 100A complete with Control panel Type 12. (Standby T4 only).	Replace. (Bay Service).	500	4,6,7,15,17, 18,19,22					X (2)	X			
	Inverter Type 100B.	Replace. (Bay Service).	250	2,3,19					X	X			
	Inverter Type RC8A.	Replace. (Bay Service).	500	2,3,19					X (2)	X			
034906	Inverter Type 103A.	Replace. (Bay Service).	500	6,7,15,18,19, 22					X (2)	X			
Continued overleaf													

SMS/77/453/15

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing										Crit	Str Int
					B/F	T/R	A/F	P	M	M.J						
034907	<u>Pilots Compartment</u> Turn and slip indicator Mk 2A.	Replace. (Bay Service).	1000	All							X					
	_____ or _____ Turn and slip indicator Mk 3.															
<u>TOWED TARGET INSTALLATION - 87 (IF FITTED)</u>																
038701	Towed target system.	Operate.	B/F, T/R	2	X	X										
<u>GRAVITY WINDOW SYSTEM - 98</u>																
039801	<u>Port and Starboard Window Dispensing System</u> Complete system.	Operate.	As Required	17												
		Test.	On system disturb- ance	17	Out of Phase											
<u>DISCHARGER NO.4 MK 1 SYSTEM - 99</u>																
039901	Discharger system.	Servicing deleted by AL 7.														
SMS/77/453/15A																
CONTINUED.																