

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								Crit	Str/Int
					B/F	T/R	A/F	P	M	MJ			
<u>AIRCRAFT GENERAL - 01</u>													
030101	<u>General</u> Bonding.	Check.	1000	All							X		
030102	<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		

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			
030802	<u>Pilots Compartment</u> (Jettison Relay Panel) Relays Type S7 or S8. (2 off).	See CRL.		2,3,6,7,15,17 18,19,									
030803	<u>Pilots Compartment</u> Canopy/Snatch master safety switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	All	X	X	X						
030804	Pilots canopy jettison switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	All	X	X	X						
030805	Pupils canopy jettison switch.	Ensure set to 'OFF'.	B/F, T/R, A/F	4	X	X	X						
030806	<u>Crew Compartment</u> 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								

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<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			
<div style="display: flex; justify-content: space-between;"> SMS/78/82/13 Continued overleaf </div>														

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

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Sched Ident No	Item	Operation	Frequency	Marks Applicable	B/F	T/R	A/F	P	M	MJ	Crit	Str Int
<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					
031902	<u>Port, Starboard and Nose Undercarriage Compartments</u> 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		
SMS/77/282/15					Continued overleaf							

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing								
					B/F	T/R	A/F	P	M	MJ		Crit	Str Int
<u>ENGINE STARTING AND IGNITION SYSTEM - 26</u>													
032601	<u>General</u> Relight system.	Operate.	T/R, A/F	All		X	X						
032602	<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							
032802	<u>Port and Starboard Mainplanes</u> Cables and connectors.	Examine.	250	6,7,15,22					X	X			
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Sched Ident No	Item	Operation	Frequency	Marks Applicable										
					B/F	T/R	A/F	P	M	MJ		Crit	Str Int	
<p><u>AIR CONDITIONING AND PRESSURIZATION SYSTEM - 34</u></p> <p><u>General</u></p>														
033401	Cabin pressure control warning system.	Operate (using test facility)	B/F 250	All	X					X	X			
<p><u>AIRCRAFT FUEL AND PRESSURIZATION SYSTEM - 39</u></p> <p><u>General</u></p>														
033901	Fuel contents indication system.	Zero check.	250	All						X	X			
<p><u>Bomb/Flare Compartment</u></p>														
033902	Fuel contents amplifiers. (3 off).	Examine.	1000	All							X			
<p>SMS/77/453/14</p>														

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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			
	<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				

Sched Ident No	Item	Operation	Frequency	Marks Applicable										
					B/F	T/R	A/F	P	M	MJ		Crit	StrInt	
<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			
	<u>Frame 18-19</u>													
034006	Indicator fuze.	Look for discolouration.	B/F, T/R, A/F	17	X	X	X							
		See CRL.												
<u>EXPLOSION SUPPRESSION - 41</u>														
	<u>General</u>													
034101	Explosion suppression system.	Test.	250	3,7,22						X	X			
EO577 (77)														
Continued overleaf														

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing							Crit	Str Int
					B/F	T/R	A/F	P	M	MJ			
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.											
034103	<u>Flight/Reset/Test switch.</u>	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		

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Sched Ident No	Item	Operation	Frequency	Marks Applicable	B/F	T/R	A/F	P	M	MJ	Crit	Str Int
<u>ELECTRICAL POWER SUPPLY AND DISTRIBUTION - 43</u>												
034301	<u>General</u> Generator control system.	Check.	250	All					X	X		
034302	<u>Port and Starboard Mainplanes</u> Generators. (2 off).	Replace. (Bay Service). (Propulsion).	250	6,7,15,22					X	X		
			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 Inv	
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						
		Emergency lead acid batteries.	Disconnect.	A/F	2,3,6,7,15,17, 18,19,22			X					
034305	Emergency lead acid batteries.	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			

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Sched Ident No	Item	Operation	Frequency	Marks Applicable	B/F	T/R	A/F	P	M	MJ		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			

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Continued overleaf

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing									
					B/F	T/R	A/F	P	M	MJ		Crit	Str Int	
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				

Sched Ident No	Item	Operation	Frequency	Marks Applicable										
					B/F	T/R	A/F	P	M	MJ		Crit	Str Int	
<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			
034508	<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>												
034602	Inverter Type 201B.	Replace. (Bay Service).	500	6,7					X (2)	X			
			1000	3 (If fitted)							X		
034603	Inverter Type 200A.	Replace. (Bay Service).	1000	2,3,4,15,19						X			
E0577 (80A)											Continued		

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					B/F	T/R	A/F	P	M	MJ			
<u>RADIO POWER SUPPLIES - 46</u> (Contd)													
034604	Inverter Type 108. _____ or _____ Inverter Type 108A.	Replace. (Bay Service).	500	B2 Post SRIM 3084 T4 Post SRIM 3506 T19 Post SRIM 3505 6,15,18,22					X (2)	X			
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 traps.	Drain.	250	2,3,4,6,7,15, 18,22					X	X			
SMS/78/242/29					Continued overleaf								

Sched Ident No	Item	Operation	Frequency	Marks Applicable	Servicing								
					B/F	T/R	A/F	P	M	M J	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			
034807	<u>Camera Compartment</u> Drain traps.	Drain.	250	3					X	X			
034808	<u>Battery Compartment</u> Drain traps.	Drain.	250	7,19,22					X	X			
034809	<u>Pilots Compartment</u> Altimeter Mk 22D. or Altimeter Mk 29B.	Servicing deleted by AL 9. Servicing deleted by AL 9.											
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<u>PITOT/STATIC SYSTEM AND INSTRUMENTS - 48 (Contd)</u>													
034810	Airspeed indicator Mk 15A. or Airspeed indicator Mk 9M.	Servicing deleted by AL 9.											
034811	Drain traps.	Drain.	250	4					X	X			
034812	Maricon tubing.	Examine.	1000	4,7,17,22						X			
<u>Crew Compartment</u>													
034813	Altimeter Mk 19F. or Altimeter Mk 30A. or Altimeter Mk 30B.	Servicing deleted by AL 9.											
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			
SMS/78/242/30													
Continued overleaf													

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			
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<u>FLIGHT INSTRUMENTS AND SUPPLIES</u>														
<u>- 49</u>														
034901	<u>General</u> Flight instrument supplies.	Check.	250	All							X	X		
034902	<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		
034903	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		
034904	Inverter Type 100B.	Replace. (Bay Service).	250	2,3,19							X	X		
034905	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														

