

SPECIFICATION SUMMARY



AIRBUS A320-200 NEO

Orian Aviation Inc

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AIRCRAFT IDENTIFICATION

Aircraft Model	Airbus A320-251N
Manufacturer Serial Number	TBA
Manufacture Date	2018+
Aircraft Registration	TBA
Engines Model	CFMI LEAP-1A26
Sharklets	YES
Noise Abatement Compliance	Stage IV iaw. ICAO Annex 16, Volume 1
Approach Category	CAT IIIB Capable
ETOPS	120 min to be certified by EASA
Over Water	None

WEIGHTS, OPERATIONAL	Metric	US
Maximum Taxi Weight (MTW)	77`400 (kg)	170`638 (Lbs)
Maximum Take Off Weight (MTOW)	77`000 (kg)	169`756 (Lbs)
Maximum Landing Weight (MLW)	67`400 (kg)	148`592 (Lbs)
Maximum Zero Fuel Weight (MZFW)	64`300 (kg)	141`757 (Lbs)
Maximum Usable Fuel Capacity	23`740 (Liters)	19`087 (USG)
Auxiliary Fuel Capacity	None	None

* WV 053

AIRFRAME STATUS

Total Airframe Hours	0:00 *
Total Cycles	0 *
Status Date	present

* UP 10 FH AND 5 FC SHALL BE EXPECTED UPON DELIVERY OF THE AIRCRAFT FROM MANUFACTURER.

MAINTENANCE STATUS

Base HM-check interval	7`500 FH & 5`000 FH & 24 MO
A - Check interval	750 FH & 750 FC & 121 Days
Last HM Check performed	N/A
Next HM Maintenance Check	in 7`500 FH & 5`000 FH & 24 MO
Status Date	present

* AS PER AIRBUS MPD.

ENGINE / APU DETAILS	Engine 1	Engine 2	APU
Manufacturer	CFMI	CFMI	Honeywell
Model	CFMI LEAP-1A26	CFMI LEAP-1A26	GTCP 131-9A

ENGINE / APU STATUS	Engine 1	Engine 2	APU
Serial Number	TBA	TBA	TBA
Thrust Rate	26`600 Lbs	26`600 Lbs	
Total Time Since New	0:00 *	0:00 *	0:00
Total Cycles Since New	0 *	0 *	0
Last Shop Visit	None	None	None
Last Overhaul	None	None	None
Hours Since Last Shop Visit	N/A	N/A	N/A
Cycles Since Last Shop Visit	N/A	N/A	N/A
First Limiter	15`000	15`000	30`000
Status Date	present	present	present

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LDG DETAILS	NLG	LH MLG	RH MLG
Part Number	NA31001-0003	10-450101-101	10-450201-101
Serial Number	TBA	TBA	TBA
Position	NLG	LH MLG	RH MLG
Cycles Since New	0	0	0
Last Overhaul Date	N/A	N/A	N/A
Cycles Since Overhaul	N/A	N/A	N/A
Overhaul Interval	18`000 CYC or 10 Years	21`000 CYC or 10 Years	21`000 CYC or 10 Years
Status Date	present	present	present

* UP 10 FH AND 5 FC SHALL BE EXPECTED UPON DELIVERY OF THE AIRCRAFT FROM MANUFACTURER.

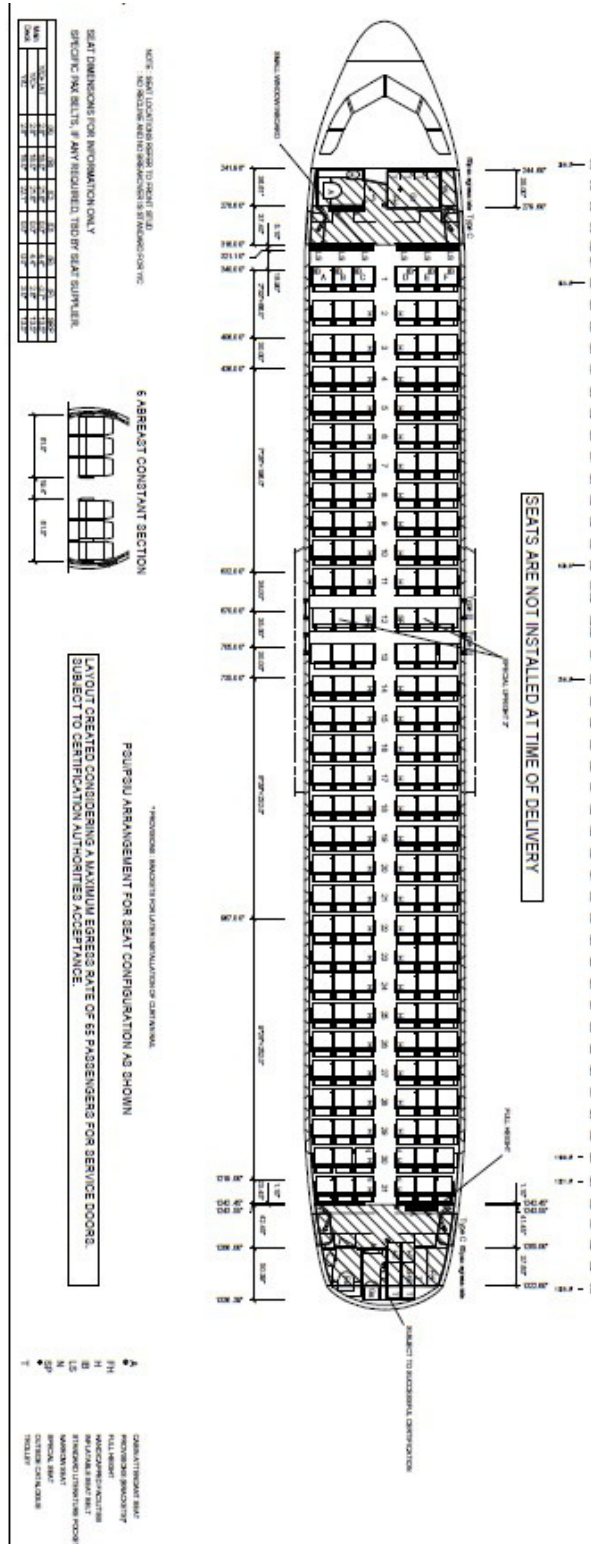
MAJOR AVIONICS EQUIPMENT

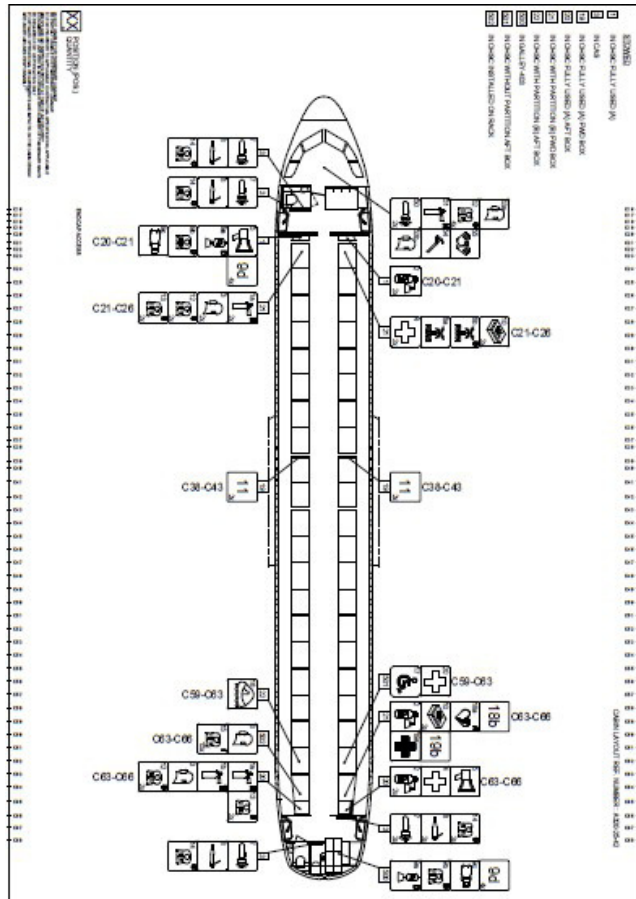
DESCRIPTION	VENDOR	PART NUMBER	QTY
ATA 22 - Automatic Flight Controls			
Flight Augmentation Computer	Thales Avionics	C13206AA00	2
Flight Management Guidance Computer	Thales Avionics	C13207CA00	2
Flight Control Unit	Thales Avionics	C12850AC03	1
MCDU (Master Control Display Unit)	Honeywell	4089740-961	2
ATA 23 - Communication			
Radio Management Panel	Thales Avionics	C12848CB01	2
Audio Management Unit	Team	AMU4031SA140204	1
Audio Control Panel	Team	ACP2788AD01	3
Transceiver VHF/COMM	Honeywell	965-1696-051	3
Transceiver HF/COMM	N/A		
ATA 31 - Indication and Recording System			
Solid State Flight Data Recorder	Honeywell	980-4750-002	1
Solid State Cockpit Voice Recorder	Honeywell	980-6032-023	1
Flight Warning Computer	AIRBUS	350E053021414	2
FDIMU (Flight Data Interface Management Unit)	Teledyne	2234320-02-02	1
SFDIU	Thales Avionics	C12860AA04	1
ATA 34 - Navigation			
MMR - Multi Mode Receiver ILS/GPS	Honeywell	822-1152-122	2
ADIRU (Air Data Inertial Reference Unit)	Honeywell	HG2030BE04	3
Weather Radar (WRX)	Honeywell	930-1005-002	1
TCAS II 7.1 Computer	Honeywell	940-0351-001	1
ATC-Mode S Transponder	Honeywell	066-01127-1402	2
Radio Altimeter Transceiver (RA)	Honeywell	066-50007-0432	2
EGPWS	Honeywell	69000942-151	1
VOR Receiver	Honeywell	69001410-200	2
DME Interrogator	Honeywell	066-50013-1222	2
ADF Receiver	N/A		

INTERIOR CONFIGURATION

Galleys	2 (G1; G4B)	Catering Standard	ATLAS
Lavatories	3	Cargo Configuration	All Bulk + No CLS
Attendant Seats	5	Cockpit Configuration	Standard
In Flight Entertainment	None		
<u>Seats</u>	<u>Quantity</u>	<u>Manufacturer</u>	<u>Part Number</u>
Economy	186	TBA	TBA

NOTE: Seats not instaled. Customer may install its own BFE, or ask for a specific PNs.
Leadtime and costs shall be considered.





SCN MSCN MISC	EPAC TDU	TITLE
ATA 02 CERTIFICATION - EXTERNAL LIVERY		
SCN	CN02.10.120/01	15 knots tailwind certification at Take-Off
SCN	CN02.12.129/01	Certification of A320 increased seating capacity up to 186 seats
SCN	CN02.40.116/01	External livery
SCN	CN02.10.111/01	Compliance with EASA type certification requirements (A319/A320/A321)
ATA 03 MISCELLANEOUS		
SCN	CN03.20.551/53	A320-251N design weights - increased MTOW to 77 t, MLW to 67.4 t, MZFW to 64.3 t (WV 053)
ATA 11 PLACARDS AND MARKINGS - GENERAL		
SCN	CN11.00.124/03	Installation of leasing identification plates on LH door frame
SCN	CN11.00.124/09	Installation of leasing identification plates on engines
SCN	CN11.30.122/46	Installation of placard for cabin access restriction
SCN	CN11.30.110/04	Passenger placards and signs alternate marking - English only
SCN	CN11.00.123/02	Aircraft certification holders in flight compartment and cabin
SCN	CN11.30.131/05	Installation of weight placard on each overwing hatch
SCN	CN11.20.125/05	Red RVSM markings around static ports
SCN	CN11.20.119/13	External livery - Nose landing gear towing angle markings
SCN	CN11.30.111/32	Monolingual EEPMS exit identifier - English only (vertical arrangement) - AIRSIGNA
ATA 21 AIR CONDITIONING - GENERAL		
SCN	CN21.50.100/01	Installation of an insulation cover for ozone converters
SCN	CN21.70.109/07	Installation of ozone catalytic converters - BASF CORPORATION, PN.20499006
MSCN	CN21.61.000/01	Introduce improved Air Conditioning System Controller P/N 1803B0000-03
MSCN	CN21.61.000/02	Introduce improved Air Conditioning System Controller P/N 1803B0000-04
ATA 23 COMMUNICATIONS - GENERAL		
SCN	CN23.00.132/44	Auto. progr. ELT (406 AFN) assoc. with remote control panel in cockpit w/o AIM - HONEYWELL (BFE)
SCN	23D7300100E	CIDS CHANGES Includes: - Call chime via all C/A station and passenger compartment loudspeakers - EVAC command push button at additional attendant panel - Guard for EVAC command button at additional attendant panel - Customer provided (picture) screensaver
SCN	CN23.12.130/16	VHF Data Radio (VDR) alternate equipment, capable VDL mode 2 - HONEYWELL
SCN	CN23.51.136/27	Boomsets alternate equipment - TELEX COMMUNICATIONS, PN 64300-210
SCN	CN23.71.103/21	SSCVR alternate equipment - HONEYWELL, PN 980-6032-023 (90 days ULB)
SCN	CN23.71.110/01	Recorder Independent Power Supply (RIPS) - 28VDC power supply for CVR
SCN	CN23.71.120/01	System provision for CVR capable of data link recording
MSCN	CN23.71.001/04	Introduce CAM DM58 for ED112 mandate compliance
ATA 24 ELECTRICAL POWER - GENERAL		
MSCN	CN24.22.000/06	Introduce GCU P/N 767584M
ATA 25 EQUIPMENT/FURNISHINGS - GENERAL		
SCN	CN25.11.208/05	Installation of fourth occupant seat in cockpit (without oxygen mask) - STELIA AEROSPACE
SCN	25D5000100E	CARGO HOLD CONFIGURATION Includes: - Installation of rubber seal profiles for floor panels in FWD and AFT cargo holds - Basic full bulk configuration - without ACT provision - Reinforced floor panels in FWD & AFT cargo holds - with full bulk configuration
SCN	CN25.65.196/72	Installation of provision for emergency equipment
SCN	CN25.33.619/01	Installation of wet galley at loc. IVB - 3 FS and 2 HS trolleys - Space-Flex galleys (SFE)
SCN	GN25.43.470/03	Space-Flex lavatory module Fs/Gs in comb. with galley loc. IVB - aft of aft LH PAX/crew/service door
SCN	CN25.35.131/20	Installation of Minimum non-electrical galley catering equipment (BFE)
SCN	CN25.33.639/08	Installation of specific options on galley at loc. IVB
SCN	GN25.22.212/01	Single wall-mounted C/A seat (16G) at loc. 62 - on lavatory door at aft PAX/Crew/Service door area
SCN	CN25.43.471/08	Installation of options on Space-flex lavatories Fs and Gs
SCN	25D3000100E	Galley and galley catering definition
SCN	CN25.22.002/22	Installation of 16G cabin attendant seat 21XX SERIES as per customized cabin layout
SCN	CN25.21.105/42	Non-Installation of Passenger Seats
SCN	CN25.26.133/04	Provisions for curtains
SCN	CN25.26.201/04	Installation of 16G full-height partition for double C/A seat FWD of aft RH PAX/Crew/Service door
SCN	CN25.26.140/54	Installation of cranked windscreen (SFE) LH
SCN	25D2000200E	CABIN LAYOUT DEFINITION Includes: - Cabin Layout ref.320-25.42 Rev B2 - 186pax (186 Y/C) (*) Including: - Door 1: 1 SFE Lav - 1 G1 WET SFE Galley Cluster 1 (4T) - 2 SFE Partitions - 2 SFE CAS - Door 2: 2 SFE Space Flex V2 Lavatories - 1 SFE SG4I WET Space Flex V2 Galley (G4B w/ 8HS/T) - 2 SFE Partitions - 3 SFE CAS

		(* Seats not installed at time of delivery
SCN	CN25.20.001/01	Additional sealing for gaps closure in Galleys, Lavatories and entrance areas
SCN	25D0000100E	CABIN EMERGENCY EQUIPMENT Emergency Equipment drawing ref. 320-80.19045 rev B4
SCN	CN25.23.500/01	Interior colour scheme definition ICS ref. ICS 15/071 Issue 4
SCN	CN25.35.132/06	Non installation of non-electrical galley catering/loose equipment (BFE)
SCN	CN25.28.103/02	Installation of double-sided adhesive tape for carpet
SCN	CN25.28.200/75	NTF selection (SFE standard I) - SCHNELLER AerFusion eco - 95R
SCN	CN25.62.102/17	Installation of slide rafts at FWD and AFT PAX/Crew/Service doors (SFE) - AIR CRUISERS (A320)
SCN	CN25.62.105/07	Survival kits (4) selection (SFE) - AIR CRUISERS, PN 60128-301
SCN	CN25.65.002/12	Cockpit flashlights alternate equipment (SFE) - DME CORPORATION P2-07-0015-002
MSCN	CN25.62.090/07	Install additional wrapper for FWD and aft door slides
MSCN	CN25.65.001/32	Install crash axe P/N EIS76014-10000
ATA 26 FIRE PROTECTION - GENERAL		
MSCN	CN26.10.000/07	Install FDU Meggitt P/N 909012-02-01 (engine & APU)
MSCN	CN26.24.100/05	Standardize portable fire extinguisher TOTAL 74-20 in cockpit
ATA 27 FLIGHT CONTROLS - GENERAL		
MSCN	CN27.40.000/09	Introduce Trimmable Horizontal Stabilizer (THS) actuator P/N 47145-268
ATA 28 FUEL - GENERAL		
MSCN	CN28.42.100/17	A319 Neo / A320 Neo - Introduce common fuel gauging
ATA 29 HYDRAULIC POWER - GENERAL		
MSCN	CN29.10.110/0	Introduce improved EDP Eaton P/N 3031863-002
ATA 31 INDICATING/RECORDING SYSTEMS - GENERAL		
SCN	CN31.00.107/14	Imperial units for indicators and labels
SCN	CN31.36.107/03	Full provision for Wireless Ground Link DAR (WGL-DAR) (ARINC 591/600)
SCN	CN31.33.200/23	SSFDR alternate equipment (1024 w/s capable) - HONEYWELL (90 days ULB)
MSCN	CN31.36.100/05	Introduce Flight Data Interface & Management Unit (FDIMU) P/N 2234320-02-02
MSCN	CN31.53.100/14	Introduce FWC H2F8 P/N 350E053021414
MSCN	CN31.53.100/16	Introduce FWC H2F9C
MSCN	CN31.60.000/11	Introduce EIS2-S13.1 software
ATA 32 LANDING GEAR - GENERAL		
SCN	CN32.40.113/32	Wheels and brakes alternate equipment (DURACARB) - GOODRICH
SCN	CN32.48.200/12	Installation of universal brake cooling fans on BF-GOODRICH wheels and brakes
SCN	CN32.41.111/25	MLG tires selection - BRIDGESTONE (46X17-R20 radial tires)
SCN	CN32.41.120/12	NLG tires selection - BRIDGESTONE (30X8.8-R15 radial tires)
MSCN	CN32.11.001/10	Optimize corrosion protection on the MLG main fitting
MSCN	CN32.21.100/10	Introduce "EV2" NLG
MSCN	CN32.42.105/10	Introduce BSCU L4.10 P/N E21327007
ATA 33 LIGHTS - GENERAL		
SCN	CN33.50.118/01	Installation of floor-mounted EEPMS LUFTHANSA TECHNIK -1000 / Exit identifier - AIRSIGNA
SCN	CN33.50.122/16	Installation of Titanium Grey floor-mounted EEPMS LUFTHANSA TECHNIK -1000 - whole cabin
MSCN	CN33.10.106/03	Introduce LED integral lighting system units
MSCN	CN33.12.109/06	Introduce LED technology in the cockpit
MSCN	CN33.40.103/06	Introduce LED technology external lights
MSCN	CN33.40.103/08	Introduce LED technology wing tip lights - Sharklets
MSCN	CN33.48.101/02	Introduce Sharklet strobe lights with shutter concept
ATA 34 NAVIGATION - GENERAL		
SCN	CN34.00.300/02	RNP AR / SAAAR capability (STEP 3)
SCN	CN34.43.204/01	TCAS change 7.1 - HONEYWELL TPA-100B / ATC XPDR - HONEYWELL (-1402)
SCN	CN34.42.117/01	Radio altitude automatic call-outs
SCN	CN34.53.121/01	Non installation of ADF system
SCN	CN34.58.313/22	MMR alternate equipment providing ILS (FM immunity) and GPS C1 functions - HONEYWELL
SCN	CN34.20.203/02	ISIS optional function - BARO setting
SCN	CN34.41.302/07	Alternate full single WXR (ARINC 708A) with weather ahead - HONEYWELL RDR-4000 V2
SCN	CN34.42.101/19	Radio altimeters alternate equipment - HONEYWELL, PN 066-50007-0432
SCN	CN34.43.290/01	Wiring provision for Aircraft Traffic Situation Awareness (ATSAW)
SCN	CN34.51.101/13	DME interrogators alternate equipment - HONEYWELL, PN 066-50013-1222
SCN	CN34.52.117/02	Compliance with ADS-B OUT regulation for NRA
SCN	CN34.55.102/14	VOR/MARKER receivers alternate equipment - HONEYWELL, PN 69001410-200
ATA 35 OXYGEN - GENERAL		
SCN	CN35.32.500/49	Installation of PBE in cabin (BFE) - ESSEX, PN MR10049NA
SCN	CN35.20.010/01	Installation of four oxygen masks per box
SCN	CN35.20.115/01	Alternate lavatory gaseous oxygen supply (15 min)
MSCN	CN35.10.000/05	Introduce cockpit oxygen segregation for neo a/c
ATA 38 WATER/WASTE - GENERAL		
SCN	CN38.10.102/04	Provide a compliance statement with USPHS handbook on sanitation
SCN	CN38.31.111/01	Installation of an improved toilet assembly
SCN	CN38.12.119/03	Lavatory water faucet flow time adjustment to 5 seconds

ATA 46 INFORMATION SYSTEMS - GENERAL		
SCN	CN46.21.102/16	AIRBUS standard AOC software from HONEYWELL with units in Lbs
ATA 49 AIRBORNE AUXILIARY POWER - GENERAL		
SCN	CN49.00.105/21	APU alternate equipment - HONEYWELL, GTCP131-9A
MSCN	CN49.00.106/10	Introduce A320 Neo entry into service APU ECB standard
ATA 51 STANDARD PRACTICES AND STRUCTURES - GENERAL		
SCN	CN51.22.510/18	PPG Matt clear coat below front cockpit windows
SCN	CN51.22.705/02	Alternate paint system (CF primer, Base Coat/Clear Coat) on fuselage & vert. stabilizer - ANAC
SCN	CN51.22.705/04	Alternate paint system (CF primer, Base Coat/Clear Coat) on nacelles - ANAC
SCN	CN51.22.260/50	Decorative adhesive film (SFE)
ATA 55 STABILIZERS - GENERAL		
SCN	CN55.30.101/01	Installation of erosion protection on vertical stabilizer leading edge - stainless steel
ATA 56 WINDOWS - GENERAL		
SCN	CN56.10.102/23	Alternate lateral windows - SAINT-GOBAIN SULLY
SCN	CN56.10.102/32	Alternate front windows - SAINT-GOBAIN SULLY
ATA 57 WINGS - GENERAL		
SCN	CN57.49.101/01	Wing leading edge access panels - removal of sealant
ATA 71 POWER PLANT - GENERAL		
SCN	CN71.02.100/02	Installation of an interphone jack on CFM nacelles
ATA 72 ENGINE - GENERAL		
SCN	CN72.00.220/01	CFM engines - CFM LEAP-1A26 at a thrust rating of 26 600 Lbf (A320-251N)

BFE LIST				
ATA	DESCRIPTION	VENDOR	PART NUMBER	QTY
25.28.20.00	Carpet AIB code CA-AS100NSI	ANKER	4541-091012-9AT	108
25.35.10.00	Serving pot (coffee)	B/E AEROSPACE BEVERAGE MAKER PROD.LENEXA	3530-0305-01	1
25.35.10.00	Beverage maker	B/E AEROSPACE BEVERAGE MAKER PROD.LENEXA	4510-24UF-00	1
25.35.30.00	Beverage maker rail	B/E AEROSPACE BEVERAGE MAKER PROD.LENEXA	416-0201-27	1
25.60.10.00	First aid kit	DME CORPORATION	S6-01-0005-306	3
25.60.10.12	Remote control panel	HONEYWELL ASCA INC	1153008-1	1
25.60.10.13	Emergency Locator Transmitter (ELT)	HONEYWELL ASCA INC	1152682-3	1
25.60.10.13	Emergency Locator Transmitter (ELT) bracket	HONEYWELL ASCA INC	1153472-1	1
25.60.10.13	Emergency Locator Transmitter (ELT) - portable	HONEYWELL ASCA INC	1153538-1	1
25.66.00.00	Life vest, infant	ZODIAC SERVICES EUROPE	216203-0	15
25.66.00.00	Life vest, passenger	ZODIAC SERVICES EUROPE	66601-101	4
25.66.00.00	Life vest, cockpit/cabin crew	ZODIAC SERVICES EUROPE	66601-501	13
35.32.10.00	Protective Breathing Equipment (PBE)	ESSEX PB & R CORP	MR-10049NA	4
46.21.04.00	AOC database diskette for ATSU	HONEYWELL INC. REDMOND, OLATHE	998-2449-509	1
46.21.04.00	AOC application software diskette for ATSU	HONEYWELL INC. REDMOND, OLATHE	998-2459-512	1

THE BFE IS TO BE INSTALLED AFTER DELIVERY FROM MANUFACTURER.