

General Specification for GECAS CRJ 200LR

Model / Series: CL-600-2B19 or CL-601R

Specification basis: RAD-601R-202 Rev. B, February 01, 2000
GECAS purchase agreement Change Requests (CR)

ATA 23 – Communications (continued)

Three frequency ELT – Satellite capable – CR 312

ATA 24 – Electrical Power

Standard electrical system
Engine generators x 2 – 30 kVA IDG
APU generators x 1 – 30 kVA
Emergency generator – ADG
TRU x 5
43 Ah ni-cad battery for APU and main engine start – also back-up
17 Ah ni-cad battery for avionics back-up

ATA 25 – Equipment / Furnishings

Economy class seating – 2 x 2, 50 seats
In-arm tray forward row – CR 25-22-301
Life vest pouch under each seat – CR 25-22-302
Recline – CR 25-22-304
Standard configuration for JAA, but incorporates FAA requirements

Flight Crew

Captain, F/O and single observer seats
Cockpit crew headsets – CR 25-10-201

2 F/A seats, with aft folding F/A seat with intercom – CR 25-23-301
Forward F/A seat with full control panel

G1 galley – forward of R1, R/H

Provisions for hot meal and hot beverage service – CR 25-31-330
Trolley x 3, ATLAS ½ size – CR 25-34-301
Trolley x 1 waste, ATLAS ½ size – CR 25-34-303
Standard units x 4, ATLAS standard – CR 25-34-302
Beverage Maker x 2 – CR 25-34-310
Oven x 1 – CR 25-34-322

Lavatory – aft cabin, R/H

Integral holding tank and external servicing – re-circulation
Baby change table – CR 25-43-301

Safety Equipment

Flight Deck

PBE x 1
Flashlights x 2
Crash axe x 1
Halon fire extinguisher x 1
Crew life vests x 3

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Safety Equipment (continued)

Cabin

- Flashlights x 2
- Cabin life vests x 2
- PBE x 2
- Halon fire extinguisher x 2
- First aid kit x 1
- Portable Oxygen Bottles (with masks) x 2

Emergency locator transmitter fitted to the aircraft – 121.5 & 243 MHz

Passenger Service Units

- Air gaspers
- Reading lights
- Oxygen generators with masks – 2 masks left and 3 masks right
- 3rd Oxygen mask in L/H PSU – CR 25-62-301

Main Cargo Compartment

- Located aft of passenger cabin
- Class 'C' compartment with ventilation, smoke detection and fire extinguishing - 45 minute diversion to a suitable airport
- Baggage load dividers – CR 25-355
- Temperature control in compartment – CR 25-359

ATA 26 – Fire Protection System

Standard system

ATA 27 – Flight Control System

Standard hydraulic servo actuators with cables and pushrods
Additional take off flap setting – 8 degrees – CR 00-312

ATA 28 – Fuel System

- 2,135 US gallons
- Wing and center tanks
- Fuel measurement in kgs (CR 28-320)

ATA 29 – Hydraulic System

Standard system – 3 separate systems 3,000 p.s.i.

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ATA 30 – Ice and Rain Protection

Standard system – wing and intake cowl anti-ice

ATA 31 – Indicating and Recording System

EFIS – PFD and ND displays for Captain and F/O
EICAS displays x 2 – center instrument panel
Flight data recorder 128 wps – CR 31-340
Data concentrators x 2
FDAU x 1
Windshear detection and guidance system – incorporated in GPWS

ATA 32 – Landing Gear System

Brakes x 4, steel segmented disks
Main tires x 4, H29 x 9.0-15 bias ply
Nose tires x 2, 18x 4.4-12 bias ply
Nose wheel steering through pilot's hand wheel and/or rudder (limited)

ATA 33 – Lighting Systems

Standard lighting and emergency lighting provided
Red beacon – CR 33-003
Tail logo light – CR 33-310
Baggage door floodlight – CR 33-320
Emergency escape path lighting – floor mounted

ATA 34 – Navigation

IRS x 2 – CR 34-320
FMS x 2, ACARS compatible – CR 34-336
GPS x 2 – CR 34-352
Radio Altimeter x 2 – CR 34-360
ADC computers x 2
ATC Transponders x 2
DME x 2
ADF x 2
VHF Navigation x 2, VOR/ILS/Marker – FM immunity CR 34-354
Weather radar x 1, with Split Scan (2nd control panel) – CR 34-370
GPWS x 1 – enhanced CR 34-328
RVSM capability – CR 34-365
TCAS system x 1 – change 7.0 CR 34-310
Partial provisions for HGS CAT IIIa – CR 34-381
Altimeter in metric (switch) if required – CR 34-363

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ATA 35 – Oxygen

Chemical oxygen generators x 25 for passengers – 13 minutes
3 L/H and 3 R/H
Lavatory – single generator with 2 masks
F/A – one generator with a mask for each F/A station
Flight crew oxygen bottle – 49.8 cubic feet
Flight crew EROS full donning mask x 3 – CR 35-004

ATA 36 – Pneumatic System

Standard pneumatic system

ATA 38 – Water/Waste System

Single re-circulation type lavatory – Aft R/H
Aft lavatory potable water – 5 US gallons
Forward galley potable water – 8 US gallons – CR 38-313

ATA 49 – APU System

APU installed in aft fuselage
Provides bleed air and electrical
Start up to 30,000 feet, operates to 37,000 feet

ATA 52 – Passenger Doors

L1 passenger door – L/H, Type I
L1 incorporates an integral air stair
R1 service door – R/H, Type I
Over wing exit doors – L/H and R/H, Type III
Cargo compartment door – aft L/H