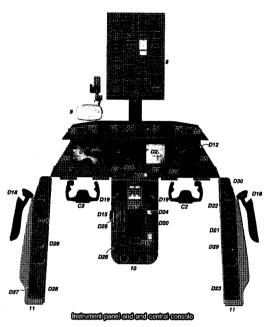
## Gulfstream



- Structure and general Glassifibre honeycomb construction, upward hingeing radome Titanium birdstrike barrier penels
- Triumium birosine barrier panels
  Forward pressure builthead
  Curved two-piece windscreen,
  electrically de-iced
  Two fixed cockpit side windows (one
  each side of aircraft) electrically
- defogged Two-crew cockpit with seat for third crew member
- crew member Instrument panel housing four 13 x 10in (330 x 254mm) liquid crystal displays Overhead panel Pilot's LCD head-up display

- 12 Fuselage is of an all-metal semi-monocogue construction with bonded, clad aluminium alloy skin, frames and stringers. The fuselage consists of a nose section, forward mid-section,centre section,aft mid-section and tall section 13 Air stair door, hydraulically actuated.

- Air slair door, hydraulicelly actuated GraphiteAthermoplastic composite floorhoards Stork floorhoards –

- beams joined at the front, contre-rear spars complete telplane manufactured by Slot Folker Ansortuctures Front spar graphile/epoxy construction Rear spar machined aluminum alloy 30 Machined aluminum alloy reading edge nibes

24 Fin consists of three machined spars joined by mechined chordwise ribs. The aluminium alloy chemically etched skin panels with bonded aluminium alloy doublers and stringers are riveted to the ribs and spars – Stork Fokker Aerostructures

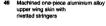
Pivot point for taliplane
Taliplane consists of tip to tip upper
and lower skins with left and right
beams joined at the front, centre and

- aluminium alloy ribs with moulded trailing edge Single piece graphite/epoxy upper and lower skins with integral spanwise stringers. Access panels in upper skin Fin centrebox

- Fin centrebox
  Fin centrebox
  Fin centrebox
  Fin terminalloy support structure for tusetege to wing fairing
  Fibreglass and carbon/epoxy composite fusalege—wing fairings (WTBP)—Nordem
  Main frames connecting wing to fuselage
  Wing is in two sections joined at the centreline and mounted under the lower fusalege—wing box manufactured by Spirit Aerosystems

- 17 Window mounting structure
  18 Four window emergency exist, can
  be opened from inside and outside
  the aircraft 690 x 51 Emm
  19 Auxiliary pressure bulkhead –
  graphite/epoxy
  composite construction
  20 Baggage compartment door, opens
  inward and upward
  21 Rear pressure bulkhead –
  graphite/epoxy composite
  22 Tailcone glassfibre
  horstycomb construction
  23 Dorsal strake

- manufactured by
  Spirit Aerosystems
  42 Forward wing centre box —
  aluminium alloy
  43 Machined two-piece front sper —
  aluminium alloy
  44 Machined two-piece rear sper —
  aluminium alloy
  55 Machined shear web-type ribs —
  aluminium alloy
  66 Machined shear web-type ribs —
  aluminium alloy
  67 Machined non-type aluminium alloy
  68 Machined non-type aluminium





- 55 Divan
  56 Fold-down passenger tables two
  57 Conference table
  58 Cradenze
  59 Cabin window ledges
  60 Ledge side panels
  61 Cabin window ledges
  62 Upper sidewall panels
  62 Upper sidewall panels
  63 Cup holders
  64 Crew rest area
  65 Crewinger levatory
  66 Galley area both sides
  67 Passenger levatory
  68 Baggage compartment

- Avionics, electrics and sensors
  A1 Weather radar
  antenna Honeywell
  A2 EVS IR camera

- artenna Honeywell

  2 EVS IR Camera

  3 Glüdeslope antenna

  3 Glüdeslope antenna

  4 Mulli-function probes (MFP) –

  four off

  5 Ice detector probes two off

  6 TCAS antenna

  7 Total air temperature probes –

  two off

  8 Flat erreen cabir monitor

  8 Left hand avionic equipment rack

  410 Right hand avionic equipment rack

  411 ATC 1 antenna

  12 ATC 2 artennas

  13 ADF antenna

  14 VHF1 antenna

  15 VHF2 antenna

  16 VHF2 antenna

  17 GPS antenna two off

  18 Wing inspection light

  18 Bogogge electric and

  avionics bay

  420 UHF security system antenna

  422 Marker bescon antenna

  423 FGS ESHA PDB

  424 HF 1 RT

  425 HF 2 RT

  426 HF antenna

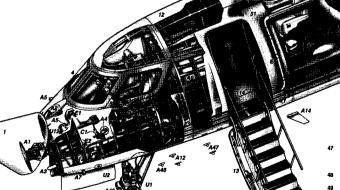
  427 HF 2 RT

  426 HF antenna

  427 HF 2 RT

  428 HF 2 RT





- Machined three-piece aluminium alloy lower wing skin with riveted stringer access ports for wing box access. Carbonithre composite wing trailing edge panels. Wing leading edge in five sections aluminium alloy. Winglets graphite fibre and aluminium been construction Storage cablinds. Passenger cabin Single passenger seats. Double passenger seats

- A28 Dual magnetometers
  A29 Junction box two off
  A30 Satellite data unit
  A31 80amph-ri, Lithium ion 24vdc
  batteries two off
  A32 Static discharge wicks
  A34 60 Hz converter 1
  A35 Static discharge wicks
  A36 VORALOC glideslope antenna
  A37 Broadband multi link antenna
  A38 Direct TV antenna
  A38 Direct TV antenna
  A38 Darect
  A39 Navigation/anticollision light

- A41 Logo lights
  A42 Forward fixed fully sealed HID
  landing light modules integrated into
  the wing to fuselage fairing two off
  A43 Three sealed beam tax lights
  A44 Navigation and strobe lights
  A45 Satcom antenna
  A46 RADALT antennas four off.
  Positivent order sains to MTDE

50

48

- A45 HADALT antennas -- four off, Positioned under wing to WTBF A47 DME antenna -- two off A48 TCAS antenna A49 Flight data recorder/cockpit voice recorder A50 Air cell antenna



- Flying controls
  C1 Rudder pedals Rockwell Collins
  C2 Control column Rockwell Collins
  C3 Aluminum alby alleron
  control surfaces manufactured by
  Spirit Aerosystems
  C4 Spoilers three per wing
  inboard speedbrake/ground
  spoilerfull spoiler
  Midboard speedbrake/ground
  spoilerfull spoiler
  Outboard speedbrake/ground
  spoilerfull spoiler manufactured by
  Spirit Aerosystems
- C5 Fly-by-wire alleron actuators two per alleron. One EHSA and one EBHA active/active operation Parker Arcrospace
  C6 Fly-by-wire spoiler actuators one per spoiler panel. One EHSA per inboard and midboard panel. One EBHA per outboard panel. Parker Aerospace
  C7 Aluminium alloy single-siotted Fowler-byee flaps (one flap per wing) manufactured by Spint Aeocosystems.
- by Spirit Aerosystems
  C8 Flap tracks four per flap surface
- C9 Flap actuators two flaps per surface. Actuators interconnected via a rigid transmission drive via a rigid transmission drive system and powered by a hydraulically powered drive unit mounted within the wheel well area – manufactured by Moog C10 Torque lube driveline connecting the hydraulic drive unit to the flap actuators – manufactured by Moog C11 Tailplane frim actuator – electrically powered – manufactured by Moog R05 (1) Rockwell Collins

- composite construction, the elevators are mounted on hinges attached to the telahane rear spar manufactured by Stork Fokker Aerostructures C13 Rudder of graphtie/epoxy composite construction, mounted in
- composite construction, mounted in hinges attached to the fin rear spar Stork Fokker Aerostructures C14 Fly by wire rudder actuators total of two. One EHSA and one EBHA active/active operation Parker Aerospace
- C15 Fly by wire elevator actuators two per elevator. One electro hydraulic servo actuator (EHSA) and one electro backup hydrostatic actuator (EBHA) active/active operation Parker Aerospace