

- 1 Air data probe
- 2 Radome - dielectric
- 3 Radar equipment - part of Astra I Advanced Electronic System
- 4 Radar scanner
- 5 Ballast weights
- 6 Radome latches
- 7 Radome de-icing tank and filler
- 8 Astra I electronic equipment
- 9 Electronic equipment access door - left and right sides
- 10 Radar dome/front fuselage production break line
- 11 Nose wheel well
- 12 Nose landing gear - Jarry Hydraulics, Montreal (Operated via a 4,000-psi auxiliary hydraulic system)
- 13 Nose landing gear door - open only when gear is in transit
- 14 Nose wheel steering links
- 15 Landing light
- 16 Taxiing light
- 17 Nose wheel steering actuator
- 18 Nose wheel steering cables follow-up pulley
- 19 Nose wheel steering cables
- 20 Nose landing gear retraction actuator
- 21 Nose landing gear fairing
- 22 Electrical ground servicing supply point
- 23 Pilot's compartment floor
- 24 Pilot's control column
- 25 Pilot's rudder pedals
- 26 Radar scope viewing hood
- 27 Pilot's instrument panel and radar scope
- 28 Pilot's windshield
- 29 Pilot's clamshell-type canopy - right side shown
- 30 Observer's clamshell-type canopy - right side shown
- 31 Canopy closed line
- 32 Engine throttle levers - left and right engines
- 33 Pilot's side panel - both sides
- 34 Martin Baker Mk 5C ejector seat - pilot
- 35 Martin Baker Mk 5C ejector seat - observer
- 36 Observer's side panel - both sides
- 37 Pilot's rear bulkhead - sloping
- 38 Observer's rear bulkhead - sloping
- 39 Canopy centre arch
- 40 Canopy rear arch
- 41 Air conditioning system ram air duct
- 42 Ram air supply to air conditioning heat exchanger
- 43 Air conditioning equipment bay
- 44 Air conditioning discharged air duct
- 45 Engine ram air intake ramp
- 46 Intake ramp boundary layer air bleed-off holes
- 47 Intake ramp boundary layer air plenum chamber
- 48 Bleed air outlet guide vanes
- 49 Intake ramp boundary air bleed extractor

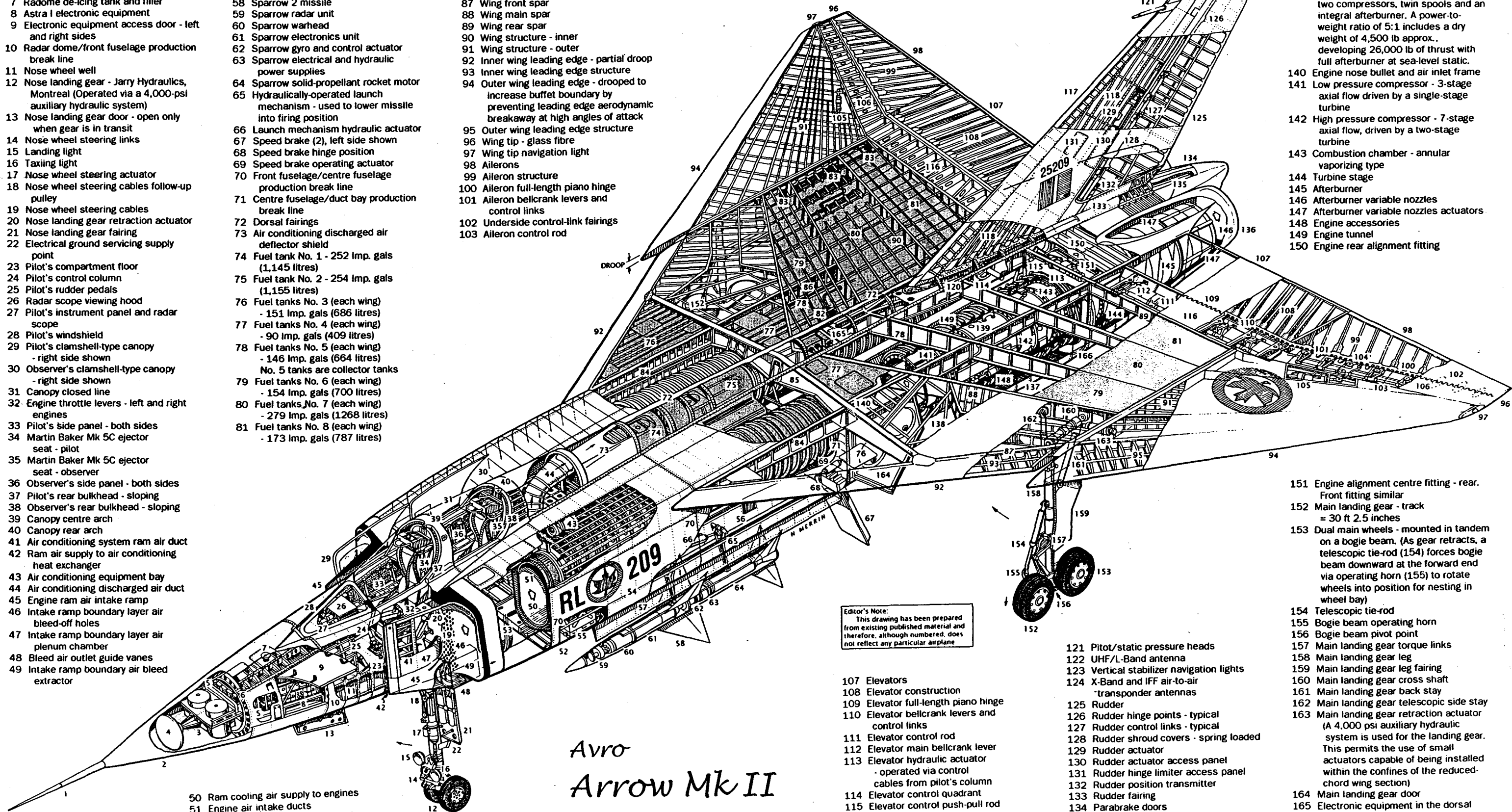
- 54 Lower longeron
- 55 Astra I electronic equipment
- 56 Armament bay - with capacity for four Sparrow 2 missiles (shown) or eight Falcon Gar I missiles
- 57 Armament bay doors - two per each Sparrow 2 missile
- 58 Sparrow 2 missile
- 59 Sparrow radar unit
- 60 Sparrow warhead
- 61 Sparrow electronics unit
- 62 Sparrow gyro and control actuator
- 63 Sparrow electrical and hydraulic power supplies
- 64 Sparrow solid-propellant rocket motor
- 65 Hydraulically-operated launch mechanism - used to lower missile into firing position
- 66 Launch mechanism hydraulic actuator
- 67 Speed brake (2), left side shown
- 68 Speed brake hinge position
- 69 Speed brake operating actuator
- 70 Front fuselage/centre fuselage production break line
- 71 Centre fuselage/duct bay production break line
- 72 Dorsal fairings
- 73 Air conditioning discharged air deflector shield
- 74 Fuel tank No. 1 - 252 Imp. gals (1,145 litres)
- 75 Fuel tank No. 2 - 254 Imp. gals (1,155 litres)
- 76 Fuel tanks No. 3 (each wing) - 151 Imp. gals (686 litres)
- 77 Fuel tanks No. 4 (each wing) - 90 Imp. gals (409 litres)
- 78 Fuel tanks No. 5 (each wing) - 146 Imp. gals (664 litres) No. 5 tanks are collector tanks
- 79 Fuel tanks No. 6 (each wing) - 154 Imp. gals (700 litres)
- 80 Fuel tanks No. 7 (each wing) - 279 Imp. gals (1268 litres)
- 81 Fuel tanks No. 8 (each wing) - 173 Imp. gals (787 litres)

- 82 Fuel booster pump - one in each No. 5 tank Total usable fuel, all tanks - 2,850 Imp. gals (12,950 litres)
- 83 Fuel no-air valves
- 84 Fuselage rib - forward
- 85 Auxiliary spar
- 86 Fuselage rib - aft
- 87 Wing front spar
- 88 Wing main spar
- 89 Wing rear spar
- 90 Wing structure - inner
- 91 Wing structure - outer
- 92 Inner wing leading edge - partial droop
- 93 Inner wing leading edge structure
- 94 Outer wing leading edge - drooped to increase buffet boundary by preventing leading edge aerodynamic breakaway at high angles of attack
- 95 Outer wing leading edge structure
- 96 Wing tip - glass fibre
- 97 Wing tip navigation light
- 98 Ailerons
- 99 Aileron structure
- 100 Aileron full-length piano hinge
- 101 Aileron bellcrank levers and control links
- 102 Underside control-link fairings
- 103 Aileron control rod

- 104 Aileron main bellcrank lever
- 105 Aileron hydraulic actuator - operated via control cables from pilot's column
- 106 Aileron control box

- 139 Engine (two) - Orenda PS-13. Iroquois MK II turbojet comprising two compressors, twin spools and an integral afterburner. A power-to-weight ratio of 5:1 includes a dry weight of 4,500 lb approx., developing 26,000 lb of thrust with full afterburner at sea-level static.
- 140 Engine nose bullet and air inlet frame
- 141 Low pressure compressor - 3-stage axial flow driven by a single-stage turbine
- 142 High pressure compressor - 7-stage axial flow, driven by a two-stage turbine
- 143 Combustion chamber - annular vaporizing type
- 144 Turbine stage
- 145 Afterburner
- 146 Afterburner variable nozzles
- 147 Afterburner variable nozzles actuators
- 148 Engine accessories
- 149 Engine tunnel
- 150 Engine rear alignment fitting

- 151 Engine alignment centre fitting - rear. Front fitting similar
- 152 Main landing gear - track = 30 ft 2.5 inches
- 153 Dual main wheels - mounted in tandem on a bogie beam. (As gear retracts, a telescopic tie-rod (154) forces bogie beam downward at the forward end via operating horn (155) to rotate wheels into position for nesting in wheel bay)
- 154 Telescopic tie-rod
- 155 Bogie beam operating horn
- 156 Bogie beam pivot point
- 157 Main landing gear torque links
- 158 Main landing gear leg
- 159 Main landing gear leg fairing
- 160 Main landing gear cross shaft
- 161 Main landing gear back stay
- 162 Main landing gear telescopic side stay
- 163 Main landing gear retraction actuator (A 4,000 psi auxiliary hydraulic system is used for the landing gear. This permits the use of small actuators capable of being installed within the confines of the reduced-chord wing section)
- 164 Main landing gear door
- 165 Electronic equipment in the dorsal tunnel - IFF air-to-air transponder, flight sensing equipment and ADF sense antenna, etc.
- 166 Engine bay/rear fuselage production break line



Editor's Note:
This drawing has been prepared from existing published material and therefore, although numbered, does not reflect any particular airplane

- 107 Elevators
- 108 Elevator construction
- 109 Elevator full-length piano hinge
- 110 Elevator bellcrank levers and control links
- 111 Elevator control rod
- 112 Elevator main bellcrank lever
- 113 Elevator hydraulic actuator - operated via control cables from pilot's column
- 114 Elevator control quadrant
- 115 Elevator control push-pull rod
- 116 Elevator control box
- 117 Vertical stabilizer leading edge
- 118 Vertical stabilizer construction
- 119 Vertical stabilizer tip - glass fibre
- 120 Vertical stabilizer attachment points

- 121 Pitot/static pressure heads
- 122 UHF/L-Band antenna
- 123 Vertical stabilizer navigation lights
- 124 X-Band and IFF air-to-air transponder antennas
- 125 Rudder
- 126 Rudder hinge points - typical
- 127 Rudder control links - typical
- 128 Rudder shroud covers - spring loaded
- 129 Rudder actuator
- 130 Rudder actuator access panel
- 131 Rudder hinge limiter access panel
- 132 Rudder position transmitter
- 133 Rudder fairing
- 134 Parabrake doors
- 135 Parabrake assembly - pilot chute, main canopy and deployment bag
- 136 Engine nacelle
- 137 Engine bay
- 138 Duct bay

Avro
Arrow Mk II

- 50 Ram cooling air supply to engines
- 51 Engine air intake ducts
- 52 Left side access panel to Astra I electronic equipment - hinged at lower longeron
- 53 Centre access panel to Astra I electronic equipment

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