

A320-200 FFS7
LISTE DES MALFUNCTIONS CLASSEES PAR ATA

07.06.2017

ATA 21 'AIR CONDITIONING & PRESS'

TITLE 'CAB PRESS SYS 1(2) FAULT'

Loss of ambient pressure information at Cabin Pressure Controller input.

TITLE 'OUTFLOW VALVE STUCK'

Outflow valve flap mechanical is stuck in current position.

TITLE 'LDG ELEVATION FAULT'

Landing elevation data from FMGC not valid.

TITLE 'EXCESS CAB ALTITUDE'

Cabin Pressure Controller (CPC) undetected in internal failure commanding outflow valve to fully open.

TITLE 'STRUCTURE DAMAGE'

Explosive decompression (window blowout).

TITLE 'EXCESS CAB ALT - CABIN LEAK'

Cabin leak causes according effects on pressurization system.

TITLE 'DOOR LEAKAGE'

Cabin door seal is defective affects V/S.

TITLE 'NEGATIVE LO DIFFERENTIAL PRESSURE'

False warning. Controller does not command sufficient descent rate.

TITLE 'PACK OVERHEAT'

Wrong information sent by compressor outlet temperature sensor 1(2)

TITLE 'PACK 1(2) REGUL FAULT'

RAM air inlet door is stuck closed.

TITLE 'PACK AUTO SHUTDOWN INOP FOR STARTING 2'

Failure of close relay 12 HB of the flow control valve.

TITLE 'HOT AIR FAULT'

Hot air shut off valve stuck in closed position.

TITLE 'CABIN DUCT OVERHEAT'

Drive failure commanding trim air valve to fully open.

TITLE 'CARGO DUCT OVERHEAT'

AFT CARGO TRIM AIR VALVE full open order (drive fails).

TITLE 'VENT EXTRACT FAULT'

Extract fan fails.

TITLE 'VENT BLOWER FAULT'

Blower fan fails.

TITLE 'SKIN OUTLET VALVE FAULT'

Skin air outlet valve stuck in current position.

ATA 22 'AUTOFLIGHT'

TITLE 'AP DISENGAGED'

Failure of FMGC AP function; FD not affected.

TITLE 'AUTO FLT TCAS MODE FAULT'

Loss of TCAS ARINC bus received by FMGC.

TITLE 'A/THR 1 FAULT'

A/THR ENGAGED FROM FMGC TO ECU (CFM)/EEC (IAE) discrete signals fail.

TITLE 'A/THR 2 FAULT'

A/THR ENGAGED FROM FMGC TO ECU (CFM)/EEC (IAE) discrete signals fail.

TITLE 'FD FAULT'

Flight director data to the EFIS is faulty.

TITLE 'FMGC FAULT'

Loss of 28V power supply to FMGC 1(2).

TITLE 'MCDU FAULT'

Loss of 115 VAC power supply to MCDU 1(2).

TITLE 'DRIFT LOC BEAM (AUTOLAND)'

LOC deviation sent by ILS1 and ILS2 to FMGC1 and FMGC2 has a drift of 20 micro/sec.

TITLE 'NO FLARE'

Error in the radio altitude transmitted by the radio altimeter 1 and 2 to FMGC1 and FMGC2 (RA1 = RA2 = RATRUE + 55 ft).

TITLE 'LONG FLARE'

Error in the radio altitude transmitted by the radio altimeter 1 and 2 to FMGC1 and FMGC2 (RA1 = RA2 = RATRUE - 25)

TITLE 'LAND CAPABILITY CHANGE'

Power supply split' signal fails (input of FMGC1).

TITLE 'FCU FAULT'

Channel 1(2) is declared invalid (internal power supply fails).

TITLE 'NO G/S MODE'

Glide deviation received by FMGC 1 and 2 is fixed to a value of 80uA (only values transmitted to FMGC 1 and 2 and EGPWS are altered).

TITLE 'G/S BEAM DRIFT (AUTOLAND)'

G/S deviation received by FMS1 (2) has a drift of approximately 20 micro/s after G/S law engagement.

TITLE 'NO ROLLOUT'

Both wheel speed > 70kts discrete input signals fail from BSCU & inhibition of Landing Gear compressed signal from FACs to FMGCs.

TITLE 'FAC FAULT'

FAC fails internally (FAC not healthy).

TITLE 'YAW DAMPER FAULT'

Electrical power failure of actuator 1. Loss of CAT 3 DUAL capability.

TITLE 'RUDDER TRAVEL LIM FAULT'

Electrical power failure of side 1 motor.

TITLE 'RUDDER TRIM FAULT'

Electrical power failure of side 1 motor

TITLE 'RUDDER TRIMS RESET FAULT'

Cut of the two normally open signals from the reset switch to FAC1 and FAC2.

TITLE 'RUDDER TRIM RUNAWAY'

The connector of the rudder trim control selector is stuck in the left position.

TITLE 'RNP LOSS OF NAV MODE/APP NAV MODE'

RNP LOSS OF NAV MODE/APP NAV MODE FCU NAV pushbutton becomes inoperative.

ATA 23 'COMMUNICATIONS'

TITLE 'ACP FAULT'

Internal power failure. - No transmission or reception possible on Capt, F/O or OBS ACP

TITLE 'RMP FAULT'

Respective RMP power supply fails.

TITLE 'VHF 1 (2) (3) EMITTING'

VHF 1 (2) (3) transmitter becomes permanently emitting.

ATA 24 'ELECTRICAL SYSTEM'

TITLE 'GEN FAULT (EXCITATION) - 1(2)'

Generator excitation circuit fails.

TITLE 'GEN FAULT (EXCITATION) - APU'

Generator excitation circuit fails.

TITLE 'GEN FAULT (EXCITATION) - EMERG'

Emergency generator excitation circuit fails

TITLE 'GEN VOLTAGE INC/DEC'

Generator excitation fails (voltage increases/decreases to 180 V/60 V at a rate of 3V/s).

TITLE 'GEN TRANSFER FAULT'

Contactors GLC1 (GLC2) fails open.

TITLE 'GEN FREQUENCY INC/DEC'

Speed regulation of the constant speed drive fails (frequency increases/decreases to 500 Hz/300 Hz at a rate of 4 Hz/s).

TITLE 'IDG OIL OVERHEAT'

Abnormal friction in the IDG constant speed drive

TITLE 'IDG OIL LO PRESS'

Oil low pressure switch fails.

TITLE 'AC BUS 1 FAULT'

Contactor GLC 1 and BTC 1 fail open.

TITLE 'AC BUS 2 FAULT'

Contactor GLC 2 and BTC 2 fail open.

TITLE 'AC BUS FAULT - ESS'

Wire between contactor 3XC and AC ESS bus is cut.

TITLE 'AC BUS FAULT - ESS SHED'

Wire between contactor 3XC and the AC SHED ESS BUS is cut.

TITLE 'AC ESS FEED CONTACTOR FAULT'

Contactor 3XC side 1 and 2 fail open.

TITLE 'DC BUS FAULT 1(2)'

Contactors 5PU1 (2) and 1PC1 (2) fail open.

TITLE 'DC BUS FAULT - BAT'

Contactors 4PC, 1PC, 1PC2, 6PB1 and 6PB2 fail open.

TITLE 'DC BUS FAULT - ESS'

Contactors 3PE, 2PC, 3PC and 4PC fail open.

TITLE 'DC BUS FAULT - ESS SHED'

Relay 1PH fails open.

TITLE 'BAT FAULT'

Faulty BAT 1(2) overheat detection.

TITLE 'TR FAULT'

Control of 5PU1 (2) (3PE) contactor fail (wiring cut).

TITLE 'ESS TR FAULT'

Primary winding cut.

TITLE 'EMERG GEN FAULT'

Constant Speed Motor/Generator fails. EMER GEN not available with the electrical system in emergency configuration.

TITLE 'STATIC INV FAULT'

Static inverter internal failure.

ATA 26 'FIRE PROTECTION'

TITLE 'AVIONIC SMOKE'

Electrical fire in avionics bay. Perceptible smoke emanates from foot area

TITLE 'CARGO SMOKE'

Fire in cargo compartment, detected by CIDS.

ATA 26S 'FIRE PROTECTION AND SMOKE'

TITLE 'AIR CONDITIONING SMOKE'

Fire in the pack.

TITLE 'AVIONIC SMOKE'

Electrical fire in avionics bay. Perceptible smoke emanates from foot area

TITLE 'CARGO SMOKE'

Fire in cargo compartment, detected by CIDS.

TITLE 'APU FIRE LOOP A (B) FAULT - LOW PRESSURE'

Low pressure in the loop detector.

TITLE 'ENG 1 FIRE LOOP A (B) FAULT'

Low pressure in the loop detector.

TITLE 'ENG 2 FIRE LOOP A (B) FAULT'

Fire loop fault.

ATA 27 'FLIGHT CONTROLS'

TITLE 'ELAC FAULT'

ELAC 1(2) power supply fails.

TITLE 'SEC FAULT' SEC power supply fails.

TITLE 'FCDC FAULT'

FCDC power supply fails.

TITLE 'SLAT SYS FAULT'

Power supply fails on the slats channel in SFCC 1(2).

TITLE 'SLATS LOCKED (WTB)'

Asymmetric slats movement detected by SFCC after control handle selection.

TITLE 'FLAP SYS FAULT'

Power supply fails on the flaps channel in SFCC 1(2).

TITLE 'FLAPS LOCKED (WTB)'

Asymmetric flaps movement detected by SFCC after control handle selection.

TITLE 'SLATS/FLAP HANDLE INOP'

Control Sensor Unit fails internally (CSU fault condition sent to the SFCCs).

Flaps/slats do not respond to inputs from FLAP lever.

Flap lever position disappears 10s after insertion of malfunction (even if Flap lever is moved)

TITLE 'SIDE STICK FAULT'

Capt (F/O) side stick electronically fails (pitch and roll).

TITLE 'SIDE STICK PITCH FAULT - L'

Captain pitch side stick transducer unit mechanically fails. The side stick pitch order is blocked to up (neutral) (down) deflection

TITLE 'SIDE STICK PITCH FAULT - R'

F/O pitch side stick transducer unit mechanically fails. The side stick pitch order is blocked to up (neutral) (down) deflection.

TITLE 'SIDE STICK ROLL FAULT - L'

Captain roll side stick transducer unit mechanically fails. The side stick roll order is blocked to left (neutral) (right) deflection.

TITLE 'SIDE STICK ROLL FAULT - R'

F/O roll side stick transducer unit mechanically fails. The side stick roll order is blocked to left (neutral) (right) deflection.

TITLE 'STABILIZER JAM'

THS screw jack is blocked. THS remains blocked.

TITLE 'PITCH TRIM RUNAWAY UP'

THS runaway up. THS and control wheel runaway up to a speed of 0.225 deg/s

TITLE 'ELEVATOR FAULT'

Jamming of the left (right) elevator.

TITLE 'ELEVATOR POSITION TRANSDUCER FAULT'

Jamming of the left (right) elevator.

TITLE 'AIL SERVO FAULT'

Aileron Blue Servovalve Current runaway.

TITLE 'SPOILER RETRACTION FAULT'

Jamming of the left spoiler #3 (right spoiler #2) servo when out.

TITLE 'SPEED BRAKE FAULT'

Speed brake control transducer unit fails.

TITLE 'GROUND SPOILERS FAULT'

Erroneous tachowheel signal to SEC.

TITLE 'DEMONSTRATION OF ALTERNATE LAW'

No existing cause: synthetic failure, used for demonstration only.

TITLE 'DEMONSTRATION OF DIRECT LAW'

No existing cause: synthetic failure, used for demonstration only.

ATA 28 'FUEL'

TITLE 'MAIN PUMP FAULT'

For the Left system malfunctions: Pump 21QA (25QA) mechanically failed. For the Right system malfunctions: Pump 22QA (26QA) mechanically failed.

TITLE 'TANK FUEL LEAK - OUTER'

Break in the L(R) outer tank (200 kg/min (441 lb/min))

TITLE 'TANK FUEL LEAK - INNER'

Leak in the L(R) inner tank (200 kg/min (441 lb/min)).

TITLE 'TANK FUEL LEAK - CENTER'

Leak in the center tank (200 kg/min (441 lb/min)).

TITLE 'WING QTY PROBE FAILED'

Loss of accuracy of the inner and outer probes.

TITLE 'FQI FAULT'

FQI fails internally.

TITLE 'X FEED VALVE FAIL'

Valve stuck in position.

TITLE 'OUTR TO INR FAULT'

L(R) Intercell valve is closed (Will not close if it was already open)

TITLE 'FUEL TEMP INC/DEC'

Left (Right) inner fuel temperature sensors are defective.

TITLE 'TANK PUMPS LOW PRESS'

Both fuel pumps in the left (right) wing are failed.

TITLE 'FUEL QTY INC/DEC'

Incorrect operation of fuel quantity computer. Displayed left (right) inner cell fuel quantity varies according to the quantity selected on ios (from 0kg to 6000kg (13,227 lb) at a rate of 20kg/s (44 lb/s))

ATA 29 'HYDRAULIC SYSTEM'

TITLE 'G(Y) RSVR FLUID QTY INC/DEC'

Reservoir quantity varies according to the quantity selected on the IOS at a rate of 0.50 gal/s (2 l/s) for the Green and Yellow systems.

G system: 0 to 4.76 gal (18 l)

Y system: 0 to 4.76 gal (18 l)

TITLE 'G(Y) (B) RSVR LO LVL - INSTANTANEOUS'

Reservoir will empty in approximatively 2 sec

TITLE 'HYD PRESS TRANSMITTER INC/DEC'

Faulty pressure switch and pressure transmitter (pressure varies to a selected pressure (from 0 to 3600 psi) at a rate of 200 psi/s).

TITLE 'B RSVR FLUID QTY INC/DEC'

Reservoir quantity varies according to the quantity selected on the IOS at a rate of 0.25 gal/s (1 l/s) for the Blue system.

B system: 0 to 2.11 gal (8 l)

TITLE 'RSVR OVERHEAT'

Temperature of the reservoir is greater than 93 degrees C.

TITLE 'RSVR LO AIR PRESS'

Air pressure in the affected reservoir is lower than 22 psi.

TITLE 'ENG PUMP LO PRESS'

EDP 1(2) PUMP is seized.

TITLE 'B ELEC PUMP FAULT'

The three phase AC bus control unit fails and de-energizes the affected ELEC Pump actuator relay.

TITLE 'Y ELEC PUMP FAULT'

The three phase AC bus control unit fails and de-energizes the affected ELEC Pump actuator relay.

TITLE 'PTU FAULT'

PTU mechanical failure.

TITLE 'RAT NO AUTOMATIC EXTENSION'

RAT deployment solenoid failure.

TITLE 'BRAKES ACCUMULATOR LOW PRESSURE'

Nitrogen leak in the brakes accumulator.

ATA 30 'ANTI ICE SYSTEM'

TITLE 'PITOT HEAT FAULT'

PITOT power supply input of PHC 1 (2) (3) fails.

TITLE 'TAT HEAT FAULT'

TAT power supply input of PHC 1(2) fails.

TITLE 'PROBES HEAT FAULT'

Heating availability output of PHC 1(2) in open circuit.

TITLE 'CAPT STAT HEAT FAULT'

L(R) static probes power supply of PHC 1 fails (open circuit).

TITLE 'F/O STAT HEAT FAULT'

L(R) static probes power supply of PHC 2 fails (open circuit).

TITLE 'WING A.ICE FAULT'

Wing anti-ice valve is stuck in the closed position.

TITLE 'ENG A.ICE VALVE FAULT'

Engine anti ice valve stuck in current position, effects accordingly.

TITLE 'WING A.ICE OPEN ON GROUND'

Time delay relay fails.

TITLE 'L(R) WINDSHEILD (WINDOW) - INTERNAL FAILURE OF WHC'

Internal failure of WHC. Fault signal for the affected windows are sent to the ECAM. Phase B of the AC power supply to the windshield and windows is lost on the left or right.

ATA 31 'INDICATING/RECORD SYS'

TITLE 'DMC 1(2) FAULT'

EIS DMC 1(2) power supply fails.

TITLE 'DMC 3 FAULT'

EIS DMC 3 power supply fails.

TITLE 'FWC FAULT'

FWC fails internally.

TITLE 'SDAC FAULT'

SDAC 1(2) fails internally.

TITLE 'DISPLAY FAULT - PFD'

Capt (F/O) PFD display unit power supply failure.

TITLE 'DISPLAY FAULT - ND'

Capt (F/O) ND display unit power supply fails.

TITLE 'DISPLAY FAULT - UPPER ECAM'

Upper ECAM display unit power supply fails.

TITLE 'DISPLAY FAULT - LOWER ECAM'

Lower ECAM display unit power supply fails.

TITLE 'ECP FAULT'

ECP fails internally.

ATA 32 'LANDING GEAR'

TITLE 'L/G NOT DOWN LOCKED'

Selected uplock actuator fails.

TITLE 'LGCIU FAULT'

LGCIU 1(2) internally fails.

TITLE 'RETRACTION FAULT'

Selected L/G does not uplock.

TITLE 'NOSE WHEEL STEERING FAULT'

Captain (F/O) handwheel XMTR-N/WS (IGC) fails. Loss of tiller control on nosewheel steering. Rudder pedal steering is available.

TITLE 'BSCU FAULT'

Internal failure of the BSCU SYS 1(2).

TITLE 'BRAKE HOT'

Brake dragging on affected wheel.

TITLE **'NW LO PRESS/BURST'**

Low pressure (100 psi) and burst at selected speed (or 90 kts).

TITLE **'TYRE LO PR - NLG TYRE BURST'**

Low pressure (0 psi) and selected tire blows.

TITLE **'ANTISKID FAULT'**

A/SKID & N/W STRG switch fails.

TITLE **'AUTO BRK FAULT'**

BSCU autobrake system interface fault.

TITLE **'LOSS OF BRAKING'**

Disagreement between the two BSCU channels. Normal braking and Autobrake on all wheels are lost.

TITLE **'L/G DOORS NOT CLOSED'**

Selected L/G doors uplock fail to lock closed.

TITLE **'L/G GEAR UPLOCK FAULT'**

Uplock mechanism fails (affected gear uplock in locked position when the L/G is downlocked).

TITLE **'GEAR FAILS IN TRANSIT (GRAV EXTND NOT POSS)'**

Selected gear fails in transit.

TITLE **'NW STEERING FAULT'**

Servo valve fails. Loss of tiller control on nosewheel steering. Rudder pedal steering also not available.

TITLE **'RIGHT MAIN GEAR TYRES BURST ON GROUND'**

Both tires burst on the right main landing gear.

TITLE **'LEFT MAIN GEAR TYRES BURST ON GROUND'**

Both tires burst on the left main landing gear.

TITLE **'L/G LEVER LOCKED'**

Lever latch fails. The baulk solenoid fails to release the mechanism when the shock absorbers are extended.

ATA 34 'NAVIGATION'

TITLE **'IR1 FAULT'**

IR 1 fails internally (ARINC output buses failed).

TITLE **'IR2 FAULT'**

IR 2 fails internally (ARINC output buses failed).

TITLE **'IR3 FAULT'**

IR 3 fails internally (ARINC output buses failed).

TITLE **'ATT DISCREPANCY - PITCH'**

Drift of the IRS 1 (2) (3) pitch calculation up to 6 degrees.

TITLE **'ATT DISCREPANCY ROLL'**

Drift of the IRS 1 (2) (3) roll calculation up to 6 degrees.

TITLE **'HDG DISCREPANCY'**

IR 1(2) (3) heading computation drift.

TITLE **'ADR 1 FAULT'**

ADR 1 fails internally (all ARINC output buses fail).

TITLE **'ADR 2 FAULT'**

ADR 2 fails internally (all ARINC output buses fail).

TITLE **'ADR 3 FAULT'**

ADR 3 fails internally (all ARINC output buses fail).

TITLE **'AIRSPEED CHANNEL ADR 1 FAULT'**

Loss of ADR 1 computed airspeed label (no 206).

TITLE **'AIRSPEED CHANNEL ADR 2 FAULT'**

Loss of ADR 2 computed airspeed label (no 206).

TITLE **'AIRSPEED CHANNEL ADR 3 FAULT'**

Loss of ADR 3 computed airspeed label (no 206).

TITLE **'TOTAL PITOT BLOCKAGE (BLOCKED PITOT)'**

Obstruction of all holes of the CAPT (F/O) (STBY) Pitot (entrance and drain holes).

TITLE **'PARTIAL PITOT BLOCKAGE (UNRELIABLE AIRSPEED)'**

Blockage of the pitot probe entrance.

TITLE **'ISIS HORIZON FAULT'**

ISIS inertial measurement fails.

TITLE **'ILS RECEIVER FAIL'**

ILS 1(2) receiver power supply fails.

TITLE **'TRANSMITTER FAULT (LOC)'**

ILS transmitter stops transmitting.

TITLE **'TRANSMITTER FAULT (GLIDE)'**

Glideslope transmitter stops transmitting.

TITLE **'VOR1 RECEIVER FAIL'**

VOR 1 receiver power supply fails.

TITLE **'VOR2 RECEIVER FAIL'**

VOR 2 receiver power supply fails.

TITLE **'WX RADAR FAULT'**

Antenna Waveguide is disconnected from the antenna-drive (loose quick disconnect clamp).

TITLE **'R/A RECEIVER FAULT'**

Associated R/A receiver power supply failure.

TITLE **'GPWS FAULT - POWER FAILURE'**

Total failure of the GPWS (115VAC) power supply.

TITLE **'TCAS FAULT'**

TCAS computer power supply (115VAC) fails.

TITLE '**ROW/ROPS LOST**'

Loss of TAWS labels on ARINC bus received by FAC1 & 2.

TITLE '**GPS PRIMARY LOST**'

Loss of Global Positioning System as primary source of navigation.
Number of satellites tracked by GPS2 reduced to 3.

TITLE '**GPS FAULT**'

GPS Antenna failure.

TITLE '**FM/GPS POS DISAGREE**'

Disagreement between FMC 1/2 and GPS 1 or 2 latitude and/or longitude by more than 0.5 NM when GPS primary is active.

ATA 341 'NAVIGATION/RNP'

TITLE '**IR1 FAULT**'

IR 1 fails internally (ARINC output buses failed).

TITLE '**IR2 FAULT**'

IR 2 fails internally (ARINC output buses failed).

TITLE '**IR3 FAULT**'

IR 3 fails internally (ARINC output buses failed).

TITLE '**ATT DISCREPANCY - PITCH**'

Drift of the IRS 1 (2) (3) pitch calculation up to 6 degrees.

TITLE '**ATT DISCREPANCY ROLL**'

Drift of the IRS 1 (2) (3) roll calculation up to 6 degrees.

TITLE '**HDG DISCREPANCY**' IR 1 (2) (3) heading computation drift.

TITLE '**ADR 1 FAULT**'

ADR 1 fails internally (all ARINC output buses fail).

TITLE '**ADR 2 FAULT**'

ADR 2 fails internally (all ARINC output buses fail).

TITLE '**ADR 3 FAULT**'

ADR 3 fails internally (all ARINC output buses fail).

TITLE '**AIRSPEED CHANNEL ADR 1 FAULT**'

Loss of ADR 1 computed airspeed label (no 206).

TITLE '**AIRSPEED CHANNEL ADR 2 FAULT**'

Loss of ADR 2 computed airspeed label (no 206).

TITLE '**AIRSPEED CHANNEL ADR 3 FAULT**'

Loss of ADR 3 computed airspeed label (no 206).

TITLE '**TOTAL PITOT BLOCKAGE (BLOCKED PITOT)**'

Obstruction of all holes of the CAPT (F/O) (STBY) Pitot (entrance and drain holes).

TITLE '**PARTIAL PITOT BLOCKAGE (UNRELIABLE AIRSPEED)**'

Blockage of the pitot probe entrance.

TITLE '**FAILED PITOT**'

Obstruction of the hole of the CAPT (F/O) (STBY) Pitot.

TITLE '**ISIS HORIZON FAULT**'

ISIS inertial measurement fails.

TITLE '**ILS RECEIVER FAIL**'

ILS 1(2) receiver power supply fails.

TITLE '**TRANSMITTER FAULT (LOC)**'

ILS transmitter stops transmitting.

TITLE '**TRANSMITTER FAULT (GLIDE)**'

Glideslope transmitter stops transmitting.

TITLE '**VOR1 RECEIVER FAIL**'

VOR 1 receiver power supply fails.

TITLE '**VOR2 RECEIVER FAIL**'

VOR 2 receiver power supply fails.

TITLE '**WX RADAR FAULT**'

Antenna Waveguide is disconnected from the antenna-drive (loose quick disconnect clamp).

TITLE '**WR R/T FAULT**'

Radar 1 transceiver internal failure.

TITLE '**R/A RECEIVER FAULT**'

Associated R/A receiver power supply failure.

TITLE '**ERRONEOUS RADIO ALTITUDE (-6 FT)**'

Erroneous Radio Altitude Height Indication to RF Leak between Transmitter and Receiver Antennas leading to a frozen negative value (- 6 ft).

TITLE '**RADIO ALTITUDE (PARAMETER FROZEN)**'

Erroneous Radio Altitude Height Indication, due to a software issue inside RA Transmitter (Frozen Parameter).

TITLE '**GPWS FAULT**'

Total failure of the GPWS (115VAC) power supply.

TITLE '**GPS 1(2) FAULT - RECEIVER FAILURE**'

Single GPS receiver failure due to an internal hardware fault.

TITLE '**TCAS FAULT**'

TCAS computer power supply (115VAC) fails.

TITLE '**ROW/ROPS LOST**'

Loss of TAWS labels on ARINC bus received by FAC1 & 2.

TITLE '**GPS PRIMARY LOST**'

Loss of Global Positioning System as primary source of navigation.
Number of satellites tracked by GPS2 reduced to 3.

TITLE **'GPS PRIMARY LOST CAPT OR F/O'**

Loss of GPS navigation mode.

TITLE **'GPS FAULT'**

GPS Antenna failure.

TITLE **'FM/GPS POS DISAGREE'**

Disagreement between FMC 1/2 and GPS 1 or 2 latitude and/or longitude by more than 0.5 NM when GPS primary is active.

TITLE **'EGPWS FALSE TERRAIN WARNING'**

Radio Altitude processing failure.

TITLE **'GPWS TERRAIN TERRAIN PULLUP WARNING'**

Warning TERRAIN_TERRAIN_PULLUP is generated, whatever external conditions and configuration of the aircraft.

TITLE **'STBY IAS FAULT - STBY AIRSPEED INDICATOR FAULT'**

Standby airspeed indicator fault: indicates 0 knot.

TITLE **'SPEED INDICATION INC/DEC FROM DMC 1(2) (3)'**

DMC 1, 2 AND 3 speed indication increase or decrease to the selected value.

TITLE **'SPEED INC/DEC CAUSE BY RAPID MODIFICATION OF PRES/TEMP'**

As a result of rapid modification of external pressure, speed of aircraft inc/dec suddenly.

TITLE **'UNTIMELY STALL WARNING'**

No existing cause: Synthetic failure setting Alarm STALL Only active in Flight Phases 5, 6 and 7.

TITLE **'RNP - ALTITUDE DISCREPANCY'**

ADR1 baro altitude error of 250 feet is introduced.

TITLE **'RNP - EGPWS LOSS OF TERRAIN DATA'**

Loss of enhanced GPWS function.

TITLE **'RNP - NAV ACCURACY DOWNGRAD'**

EPU value greater than RNP value on MCDU PROG page, DME are failed and GPS PRIMARY lost (satellite downgraded).

TITLE **'RNP - FMS1/FMS2 POS DIFF'**

IR2 position differs by 5 NM from IR1 position and loss of data from GPS, VOR, DME and IRS3 to FM1 and FM2.

ATA 342 'NAVIGATION/HUD'

TITLE **'IR1 FAULT'**

IR 1 fails internally (ARINC output buses failed).

TITLE **'IR2 FAULT'**

IR 2 fails internally (ARINC output buses failed).

TITLE **'IR3 FAULT'**

IR 3 fails internally (ARINC output buses failed).

TITLE **'ATT DISCREPANCY - PITCH'**

Drift of the IRS 1 (2) (3) pitch calculation up to 6 degrees.

TITLE **'ATT DISCREPANCY ROLL'**

Drift of the IRS 1 (2) (3) roll calculation up to 6 degrees.

TITLE **'HDG DISCREPANCY'** IR 1(2) (3) heading computation drift.

TITLE **'ADR 1 FAULT'**

ADR 1 fails internally (all ARINC output buses fail).

TITLE **'ADR 2 FAULT'**

ADR 2 fails internally (all ARINC output buses fail).

TITLE **'ADR 3 FAULT'**

ADR 3 fails internally (all ARINC output buses fail).

TITLE **'AIRSPEED CHANNEL ADR 1 FAULT'**

Loss of ADR 1 computed airspeed label (no 206).

TITLE **'AIRSPEED CHANNEL ADR 2 FAULT'**

Loss of ADR 2 computed airspeed label (no 206).

TITLE **'AIRSPEED CHANNEL ADR 3 FAULT'**

Loss of ADR 3 computed airspeed label (no 206).

TITLE **'TOTAL PITOT BLOCKAGE (BLOCKED PITOT)'**

Obstruction of all holes of the CAPT (F/O) (STBY) Pitot (entrance and drain holes).

TITLE **'PARTIAL PITOT BLOCKAGE (UNRELIABLE AIRSPEED)'**

Blockage of the pitot probe entrance.

TITLE **'ISIS HORIZON FAULT'**

ISIS inertial measurement fails.

TITLE **'ILS RECEIVER FAIL'**

ILS 1(2) receiver power supply fails.

TITLE **'TRANSMITTER FAULT (LOC)'**

ILS transmitter stops transmitting.

TITLE **'TRANSMITTER FAULT (GLIDE)'**

Glideslope transmitter stops transmitting.

TITLE **'VOR1 RECEIVER FAIL'**

VOR 1 receiver power supply fails.

TITLE **'VOR2 RECEIVER FAIL'**

VOR 2 receiver power supply fails.

TITLE **'WX RADAR FAULT'**

Antenna Waveguide is disconnected from the antenna-drive (loose quick disconnect clamp).

TITLE **'R/A RECEIVER FAULT'**

Associated R/A receiver power supply failure.

TITLE '**GPWS FAULT - POWER FAILURE**'

Total failure of the GPWS (115VAC) power supply.

TITLE '**TCAS FAULT**'

TCAS computer power supply (115VAC) fails.

TITLE '**ROW/ROPS LOST**'

Loss of TAWS labels on ARINC bus received by FAC1 & 2.

TITLE '**GPS PRIMARY LOST**'

Loss of Global Positioning System as primary source of navigation. Number of satellites tracked by GPS2 reduced to 3.

TITLE '**GPS FAULT**'

GPS Antenna failure.

TITLE '**FM/GPS POS DISAGREE**'

Disagreement between FMC 1/2 and GPS 1 or 2 latitude and/or longitude by more than 0.5 NM when GPS primary is active.

TITLE '**HUD - HUD DISPLAY OFF**'

Head Up display is powered off.

TITLE '**HUD - LOSS OF SYNTHETIC RUNWAY AND LOC TRACK**'

ILS function not set on label 271 sent by MMR.

TITLE '**HUD - HUD FPV DISAGREE**'

IR2 flight path angle (label 322) is false and the difference between the IR2 flight path angle and the IR1 flight path angle is greater than 1.1 degrees.

ATA 343 'NAVIGATION/RNP/HUD'

TITLE '**IR1 FAULT**'

IR 1 fails internally (ARINC output buses failed).

TITLE '**IR2 FAULT**'

IR 2 fails internally (ARINC output buses failed).

TITLE '**IR3 FAULT**'

IR 3 fails internally (ARINC output buses failed).

TITLE '**ATT DISCREPANCY - PITCH**'

Drift of the IRS 1 (2) (3) pitch calculation up to 6 degrees.

TITLE '**ATT DISCREPANCY ROLL**'

Drift of the IRS 1 (2) (3) roll calculation up to 6 degrees.

TITLE '**HDG DISCREPANCY**' IR 1(2) (3) heading computation drift.

TITLE '**ADR 1 FAULT**'

ADR 1 fails internally (all ARINC output buses fail).

TITLE **'ADR 2 FAULT'**

ADR 2 fails internally (all ARINC output buses fail).

TITLE **'ADR 3 FAULT'**

ADR 3 fails internally (all ARINC output buses fail).

TITLE **'AIRSPEED CHANNEL ADR 1 FAULT'**

Loss of ADR 1 computed airspeed label (no 206).

TITLE **'AIRSPEED CHANNEL ADR 2 FAULT'**

Loss of ADR 2 computed airspeed label (no 206).

TITLE **'AIRSPEED CHANNEL ADR 3 FAULT'**

Loss of ADR 3 computed airspeed label (no 206).

TITLE **'TOTAL PITOT BLOCKAGE (BLOCKED PITOT)'**

Obstruction of all holes of the CAPT (F/O) (STBY) Pitot (entrance and drain holes).

TITLE **'PARTIAL PITOT BLOCKAGE (UNRELIABLE AIRSPEED)'**

Blockage of the pitot probe entrance.

TITLE **'ISIS HORIZON FAULT'**

ISIS inertial measurement fails.

TITLE **'ILS RECEIVER FAIL'**

ILS 1(2) receiver power supply fails.

TITLE **'TRANSMITTER FAULT (LOC)'**

ILS transmitter stops transmitting.

TITLE **'TRANSMITTER FAULT (GLIDE)'**

Glideslope transmitter stops transmitting.

TITLE **'VOR1 RECEIVER FAIL'**

VOR 1 receiver power supply fails.

TITLE **'VOR2 RECEIVER FAIL'**

VOR 2 receiver power supply fails.

TITLE **'WX RADAR FAULT'**

Antenna Waveguide is disconnected from the antenna-drive (loose quick disconnect clamp).

TITLE **'R/A RECEIVER FAULT'**

Associated R/A receiver power supply failure.

TITLE **'GPWS FAULT'** Total failure of the
GPWS (115VAC) power supply.

TITLE **'TCAS FAULT'**

TCAS computer power supply (115VAC) fails.

TITLE **'ROW/ROPS LOST'**

Loss of TAWS labels on ARINC bus received by FAC1 & 2.

TITLE 'GPS PRIMARY LOST'

Loss of Global Positioning System as primary source of navigation.
Number of satellites tracked by GPS2 reduced to 3.

TITLE 'GPS FAULT'

GPS Antenna failure.

TITLE 'FM/GPS POS DISAGREE'

Disagreement between FMC 1/2 and GPS 1 or 2 latitude and/or longitude by more than 0.5 NM when GPS primary is active.

TITLE 'RNP - ALTITUDE DISCREPANCY'

ADR1 baro altitude error of 250 feet is introduced.

TITLE 'RNP - EGPWS LOSS OF TERRAIN DATA'

Loss of enhanced GPWS function.

TITLE 'RNP - NAV ACCURACY DOWNGRAD'

EPU value greater than RNP value on MCDU PROG page, DME are failed and GPS PRIMARY lost (satellite downgraded).

TITLE 'RNP - FMS1/FMS2 POS DIFF'

IR2 position differs by 5 NM from IR1 position and loss of data from GPS, VOR, DME and IRS3 to FM1 and FM2.

TITLE 'HUD - HUD DISPLAY OFF'

Head Up display is powered off.

TITLE 'HUD - LOSS OF SYNTHETIC RUNWAY AND LOC TRACK'

ILS function not set on label 271 sent by MMR.

TITLE 'HUD - HUD FPV DISAGREE'

IR2 flight path angle (label 322) is false and the difference between the IR2 flight path angle and the IR1 flight path angle is greater than 1.1 degrees.

ATA 344 'GNSS/RNAV/RNP'

TITLE 'TCAS FAULT'

TCAS computer power supply (115VAC) fails.

TITLE 'ROW/ROPS LOST'

Loss of TAWS labels on ARINC bus received by FAC1 & 2.

TITLE 'GPS FAULT'

GPS Antenna failure.

ATA 35 'OXYGEN'

TITLE 'LO PR OXY'

Leak in the high pressure oxygen circuit down to 600 psi.

ATA 36 'PNEUMATIC'

TITLE 'BLEED FAULT (HP VALVE)'

HP VALVE ENG 1(2) stuck in its current position.

TITLE 'BLEED FAULT (PR VALVE)'

Pressure regulating valve stuck in its current position.

TITLE 'BLEED LEAK' Pylon duct
leak.

TITLE 'WING BLEED LEAK'

Leak upstream of WING A/I VALVE.

TITLE 'BLEED LOW TEMP'

Temperature Control Thermostat (TCT) regulating precooler downstream temperature to below normal setting value.

TITLE 'BLEED NOT CLOSED'

Pressure Regulating Valve 1(2) stuck in open position.

TITLE 'X BLEED FAULT'

X valve stuck closed (auto control motor failure).

TITLE 'APU BLEED LEAK - APU DUCT LEAK'

APU bleed valve is stuck closed when APU bleed is commanded ON.

ATA 46 'INFORMATION SYSTEM'

TITLE 'ATSU FAULT'

115 VAC (and 28 VDC) ATSU power supply fails.

ATA 49 'APU'

TITLE 'APU FIRE (EXTING)'

Fire in APU compartment.

TITLE 'APU FIRE (UNEXTING)'

Severe APU fire.

TITLE 'APU FAULT'

APIC: CPU operative fault

ALLIED: Fuel solenoid driver fails closed.

ECB's protective circuit will operate to cause an automatic APU shutdown if the APU is running. If the APU is not running and normal starting procedure is carried out, starting of the APU is impossible.

TITLE 'LOW APU OIL QTY'

APU oil quantity in tank is equal to 2.92L (HNW APU) or 3.05L (APIC APU).

ATA 52 'DOORS'

TITLE '**CARGO DOOR OPEN (SWITCH)'**

Switch faulty.

TITLE '**REAR LEFT/RIGHT SLIDE NOT ARMED'**

Slide detected not armed (faulty switch).

ATA 70C 'POWER PLANT CFM'

TITLE '**FLAME OUT (NO DAMAGE)'**

Engine combustion stopped.

TITLE '**FLAME OUT (WITH DAMAGE)'**

LP compressor damage due to the absorption of foreign matter.

TITLE '**EXTINGUISHABLE FIRE BY FIRST AGENT'**

Overheat detected in engine core element. Fire indications will extinguish 10s after one agent.

TITLE '**EXTINGUISHABLE FIRE BY SECOND AGENT'**

Overheat detected in engine core element. Fire indications extinguish 10s after both agents.

TITLE '**UNEXTINGUISHABLE FIRE'**

Overheat detected in engine core element. Fire is not extinguishable.

TITLE '**SERIOUS DAMAGE WITH UNEXTINGUISHABLE FIRE'**

Compressor stall with engine core fire.

TITLE '**SERIOUS DAMAGE WITH ABRUPT POWER LOSS'**

Foreign object ingestion and engine seizure.

TITLE '**N2 ACCESSORY DRIVE LOST'**

Radial drive shaft rupture.

TITLE '**COMPRESSOR STALL'**

Compressor stalls.

TITLE '**START FAULT - HUNG START (LOW FUEL FLOW)'**

Offset in the fuel metering valve position causing a fuel flow lower than normal during start.

TITLE '**ENG HUNG START'**

Incorrect engine operation.

TITLE '**ENG HOT START'**

Incorrect engine operation. N2 acceleration is slower than normal. EGT increases towards an abnormal value.

TITLE '**IGNITION FAULT'**

Ignition plugs fail. Start attempt takes place normally. FADEC detects no light up.

TITLE '**HP FUEL VALVE FAULT**'

HPSOV stuck in position.

TITLE '**EIU FAULT**'

EIU power supply fails.

TITLE '**FADEC FAULT**'

All BNR and DISC labels are failed.

TITLE '**REVERSER FAULT**'

Thrust Reverser Direction Control Unit stuck in position.

TITLE '**REVERSER UNLOCKED**'

Reverser doors unlocked (door position remains below 5% of maximum door deployment).

TITLE '**THR LEVER DISAGREE**'

Misrigging of one resolver: the intended position is higher than the real thrust lever position.

TITLE '**THR LEVER FAULT**'

Both throttle resolvers fail.

TITLE '**FUEL FILTER CLOGGING**'

Clogging of fuel filter.

TITLE '**HIDDEN FUEL LEAK**'

Engine fuel pump assembly seal is broken.

TITLE '**OIL FILTER CLOGGED**'

Clogging of oil filter.

TITLE '**OIL PRESS INC/DEC**'

Oil pump failure or oil jet clogging.

TITLE '**OIL TEMP INC/DEC**'

Incorrect engine operation. Oil temperature adjusts at a rate of 20 degrees C/s to the selected value.

TITLE '**OIL QTY INC/DEC**'

Leak in lubrication circuit. Oil quantity adjusts to the selected value at a rate of 0.5 qts/s.

TITLE '**OIL LO PRESS - SENSOR FAIL**'

Oil sensor failure.

TITLE '**N1 INC/DEC**'

Malfunctioning of the fuel metering valve.

TITLE '**N2 INC/DEC**'

Malfunctioning of the fuel metering valve.

TITLE '**EGT INC/DEC**'

Incorrect engine operation. The instant a value is entered, an offset is created which remains until the malfunction is removed or is set differently. The engine will gradually ramp to this value.

TITLE 'VIBRATION N1 INC/DEC'

Unbalanced engine. When the engine is running, N1 vibration adjusts to the selected value at a rate of 2 cockpit units/s.

TITLE 'VIBRATION N2 INC/DEC'

Incorrect engine operation. When the engine running, the N2 vibration adjusts to the selected value at a rate of 2 cockpit units/s.

TITLE 'VOLCANIC ASH'

Volcanic dust cloud above FL190.

TITLE 'ENGINE BIRDSTRIKE - ENGINE STALL'

Bird strike leading to non-recoverable engine stall.

TITLE 'ENGINE BIRDSTRIKE - HIGH VIBRATIONS'

A bird strike causes a fan blade to be out of balance.

TITLE 'ENGINE BIRDSTRIKE - HIGH VIBRATIONS - NO N1 DROP'

A bird strike causes a fan blade to be out of balance.

TITLE 'ENG 1(2) FAIL - FLAMEOUT - RESTARTABLE'

Engine flames out with a restart possible.

TITLE 'ENG 1(2) FAIL - FLAMEOUT - NON-RESTARTABLE'

Combustion stopped.

TITLE 'N1 LIMITED TO 60 PERCENT'

N1 rise normally until 60 percent and then is blocked.

TITLE '(NO ECAM) - N1, FF & EGT DIFFER BETWEEN ENG1 AND ENG2'

Values of N1, FF and EGT of ENG1 are 5% lower versus the same parameter of ENG2.

ATA 70I 'POWER PLANT IAE'

TITLE 'FLAME OUT (NO DAMAGE)'

Engine combustion stopped.

TITLE 'FLAME OUT (WITH DAMAGE)'

LP compressor damage due to the absorption of foreign matter.

TITLE 'EXTINGUISHABLE FIRE BY FIRST AGENT'

Overheat detected in engine core element. Fire indications will extinguish 10s after one agent.

TITLE 'EXTINGUISHABLE FIRE BY SECOND AGENT'

Overheat detected in engine core element. Fire indications extinguish 10s after both agents.

TITLE 'UNEXTINGUISHABLE FIRE'

Overheat detected in engine core element. Fire is not extinguishable.

TITLE 'SERIOUS DAMAGE WITH UNEXTINGUISHABLE FIRE'

Compressor stall with engine core fire.

TITLE 'SERIOUS DAMAGE WITH ABRUPT POWER LOSS'

Foreign object ingestion and engine seizure.

TITLE '**N2 ACCESSORY DRIVE LOST**'

Radial drive shaft rupture.

TITLE '**COMPRESSOR STALL**'

Compressor stalls.

TITLE '**ENG HUNG START**'

Incorrect engine operation.

TITLE '**ENG HOT START**'

Incorrect engine operation. N2 acceleration is slower than normal. EGT increases towards an abnormal value.

TITLE '**IGNITION FAULT**'

Ignition plugs fail. Start attempt takes place normally. FADEC detects no light up.

TITLE '**START VALVE FAULT**'

Start valve stuck in position.

TITLE '**HP FUEL VALVE FAULT**'

HPSOV stuck in position.

TITLE '**EIU FAULT**'

EIU power supply fails.

TITLE '**FADEC FAULT**'

All BNR and DISC labels are failed.

TITLE '**EPR MODE FAULT - N1 UNRATED MODE**'

Altitude (specific Air Data failure conditions are satisfied) or T2 (range, rate or interface failures of the engine probe).

TITLE '**EPR MODE FAULT - N1 RATED MODE**'

Loss of P2 (specific Air Data failure conditions are satisfied) and/or P4.9 engine parameters.

TITLE '**REVERSER FAULT**'

Thrust Reverser Direction Control Unit stuck in position.

TITLE '**REVERSER UNLOCKED**'

Reverser doors unlocked (door position remains below 5% of maximum door deployment).

TITLE '**THR LEVER DISAGREE**'

Misrigging of one resolver: the intended position is higher than the real thrust lever position.

TITLE '**THR LEVER FAULT**'

Both throttle resolvers fail.

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Clogging of fuel filter.

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Engine fuel pump assembly seal is broken.

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Clogging of oil filter.

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Oil pump failure or oil jet clogging.

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Incorrect engine operation. Oil temperature adjusts at a rate of 20 degrees C/s to the selected value.

TITLE 'OIL QTY INC/DEC'

Leak in lubrication circuit. Oil quantity adjusts to the selected value at a rate of 0.5 qts/s.

TITLE 'N1 INC/DEC'

Malfunctioning of the fuel metering valve.

TITLE 'N2 INC/DEC'

Malfunctioning of the fuel metering valve.

TITLE 'EGT INC/DEC'

Incorrect engine operation. The instant a value is entered, an offset is created which remains until the malfunction is removed or is set differently. The engine will gradually ramp to this value.

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Unbalanced engine. When the engine is running, N1 vibration adjusts to the selected value at a rate of 2 cockpit units/s.

TITLE 'VIBRATION N2 INC/DEC'

Incorrect engine operation. When the engine running, the N2 vibration adjusts to the selected value at a rate of 2 cockpit units/s.

TITLE 'VOLCANIC ASH'

Volcanic dust cloud above FL190.

TITLE 'ENGINE BIRDSTRIKE - ENGINE STALL'

Bird strike leading to non-recoverable engine stall.

TITLE 'ENGINE BIRDSTRIKE - HIGH VIBRATIONS'

A bird strike causes a fan blade to be out of balance.