

Docket No. SA-533

Exhibit No. 7-M

NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D.C.

Cockpit Documentation

(7 Pages)

CEN09MA142 Section 3

Attachment 3.2 Cockpit Documentation

<u>Left Maintenance Panel 101VU</u>
All electrical meters 0
Number 2 attitude reference unit overheat magnetic indicator
Automatic Flight Control System magnetic indicator
<u>2VU</u>
Captain's switches all deselected
<u>3VU</u>
Number 1 Airspeed Indicator- 148 knots
Vmo- 400 knots
Internal Speed Bug- 109
Moveable Indices Yellow Bug- 110
Moveable Indices White Bug- 124
Moveable Indices Red Bug- 145
RMI- Number 1 VOR selected, Number 2 VOR selected, both needles pointing to 330
Altimeter- 2,400 feet, 1,020 mb, 30.12 inches
TCAS- unreadable
<u>4VU</u>
Standby Altimeter- 3,000 feet, 30.12 inches
Power Management- T/O
Prop Sync- On
Oil Pressure (1 and 2)- 0
Oil Temperature (1 and 2)- 0
Torque 1 and 2- 0
Np 1 and 2- 0
ITT 1 and 2- 0
Nh 1 and 2- 0
Fuel flow 1 and 2- 0
Eng ECU 1 and 2- ON
ATPCS- ON
Antiskid- ON
Stickpusher- ON
Fuel temp 1 and 2- low range
Landing Gear Lever- Down
Flap indicator- just below 0
Extend flag- out of view
Trim indicator- OFF, needles stowed
Cabin Pressure indicator- OFF, needles 0
Auto Pressure Control Dump- Deselect
Descent Rate- Normal
Manual pressure control- Ditch deselect, mode AUTO
<u>5VU</u>

Clock
Airspeed Indicator- 170 knots
Internal Speed Bug- 106
Moveable Indices Yellow- 112
Moveable Indices White- 126
Moveable Indices Red- 144
RMI- Number 1 VOR selected needle pointing to 330, Number 2 VOR selected needle pointing to 270
Altimeter- 2,400 feet, 30.12 inches
<u>6VU</u>
FO's switches all deselected
<u>702VU</u>
Windshield heat- magnetic indicator
Engines 1 and 2- trimmed to 1
Engine 1 and 2 ECU- magnetic indicator
Weight on wheels- magnetic indicator
Engine airframe deice- magnetic indicator
<u>Number 1 Fire Control Panel</u>
Handle not pulled
<u>25 VU</u>
Number 1 and Number 2 boost pumps on
Crossfeed – deselected
<u>23VU</u>
Compartment lights
Storm – OFF
Dome – OFF
Stby compass – OFF
Cargo Lt – OFF
Capt wiper – OFF
<u>29 VU Main Elec PWR</u>
Siby bus – Deselected
DC Gen 1 and 2 selected on
Ext pwr deselected –OFF
BTC – Deselected open
<u>27 VU Eng Start</u>
Off & Start Abort – Cont relight
Prop Brake – OFF
<u>Ext Lights</u>
Beacon – ON

Nav – ON
Strobe – OFF
Logo – OFF
Taxi – ON
Landing – ON
Wing – ON
<u>ELT</u>
Mode – Armed
<u>26 VU</u>
Hyd pwr
Blue / Aux / Green pumps – ON
AC Wild Elec PWR
BTC – deselected but unlatched from gate
AC 1 and 2 selected ON
Ext power – OFF
Probes Htg
Capt / Stby / FO – all selected ON
Windshield heating
L and R - ON
Anti icing
Prop 1 and 2 - ON
Mode select SAT < 10 deg C – deselected
Horns
Rudder & Elev – ON
Ail and Elev – ON
Side Windows – ON
De Icing
Eng 1 and 2 – ON
Mode Select <- 18 deg C – Deselected
Airframe Air bleed – ON
Airframe – ON
Signs
No smoking – OFF
Seat belts – OFF
Emerg exit lights - Disarm
Sterile - OFF

<u>#1 Fire Control Panel</u>
Handle – Pulled
<u>34 VU Comp SMK</u>
Smoke det – ON
<u>22 VU Oxygen</u>
Main supply – ON
Exhaust mode Avionics vent – Auto
Compartment Temp
Recirc Fan 1 and 2 – ON
Temp select – Auto
Compartment sel – FLT comp
Temp Knobs – 1 o'clock
Flow – Norm
Air Bleed
Pack valves 1 and 2 – ON
Eng Bleed 1 and 2 – ON
F/O wiper – ON
Ann Lt - Dim
<u>Number 1 EFIS Control Panel</u>
Radar all push buttons deselected
Bearing Select Number 1- ADF
Bearing Select Number 2- VOR 2
<u>TAWS</u>
Transponder 2
Selector switch TA/RA
<u>Radar control</u>
Gain preset
Mode- WX
Range- 10m
Tilt- Up 15 degrees
<u>Number 2 EFIS Control Panel</u>
Radar all push buttons deselected
Bearing Select Number 1- OFF
Bearing Select Number 2- OFF
<u>T2CAS Panel</u>
DSP SEL- OFF

GPS- Control (Data card dated Jan-Feb 2009)
<u>Throttle Control Quadrant</u>
Parking brake- OFF
Gust lock- OFF
Power Lever 1- reverse
Power Lever 2- above flight idle 40 degrees
Number 1 condition lever- midway between minimum rpm/feather
Number 2 condition lever- above number 1 condition lever about 2 degrees
Flaps Handle- 15 degrees (45-degree stop tool and sealing wire were missing)
Takeoff flap 0 push button- missing lens
Idle gate- Ground
<u>Radios</u>
Number 1 VHF Com- ON
ADF Control Head- ON
VHF Com Space Switch- 25 KHZ
Number 2 VHF Com- ON
Number 1 AUD Control Panel- VHF 1 SEL
Number 2 AUD Control Panel- VHF 1 SEL
FDAU- Flight 0284
Trim Panel- Aileron, Rudder, Standby Pitch neutral
STBY Pitch Trim-Guarded
Radar Button- Missing
3 rd audio control- Interphone
<u>13VU</u>
NAV 2- ON
NAV 2- ON
Course select knobs- ON
Flight Director bars- ON
<u>Circuit breakers (popped)</u>
Fuel number 1 and 2 engine low-pressure (LP) valve
Avionics vent smoke detection
Valve control avionics vent
Fuel number 1 engine electric pump
Pumps and feed open
Landing gear- primary indicator
Flap Position indicator
Spoiler
Cabin pressure
<u>Ditching</u>
Lighting- right
Smoke detection- fwd compartment

N902FX, CEN09MA142

Number 2 engine propeller brake
De-ice- iso valves 1 and 2