Docket No. SA-533

Exhibit No. 2-NN

NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D.C.

Excerpts from ATR 42 FCOM (Air Data System)

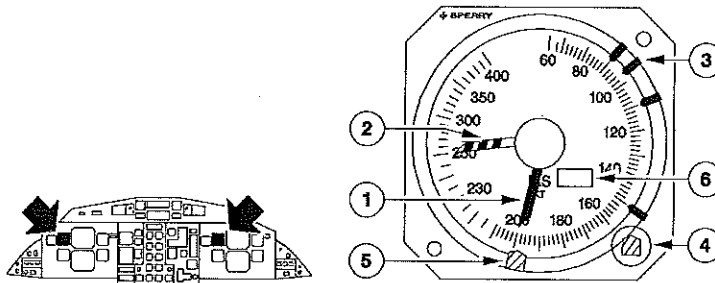(2 Pages)

ATTACHMENT
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AA

AIRSPEED IND

S0FA-01-10-10-004-A001AA

① *Airspeed pointer*
IAS is displayed by a pointer on a scale graduated from 60 to 400 kts :

R   in   2 kts increments from 70   to 210 kts
R   in   5 kts increments from 210 to 250 kts
      in 10 kts increments from 250 to 400 kts

② *VMO pointer*
The red and white striped pointer indicates the max airspeed computed by the associated ADC which represents VMO/MMO limit. An aural warning (clacker) will be generated by the CCAS if this value is exceeded.

③ Movable indices (BUGS)
R   The four coloured bugs enable predetermined speeds to be manually set

④ *Speed selector*
This knob is used to select a desired speed during a given phase of flight (ie final approach speed). The selected speed is indicated by the speed bug (5) and controls the reference on the EADI FAST/SLOW scale.

⑤ *Speed bug*
Indicates the selected speed.

R   ⑥ *OFF/Red flags*
A failure affecting the VMO channel causes the red VMO flag to come into view. A failure affecting the airspeed indicator and the VMO channel causes the red OFF warning flag to come into view.