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How should this Bendix course deviation indicator from the '50s be read?

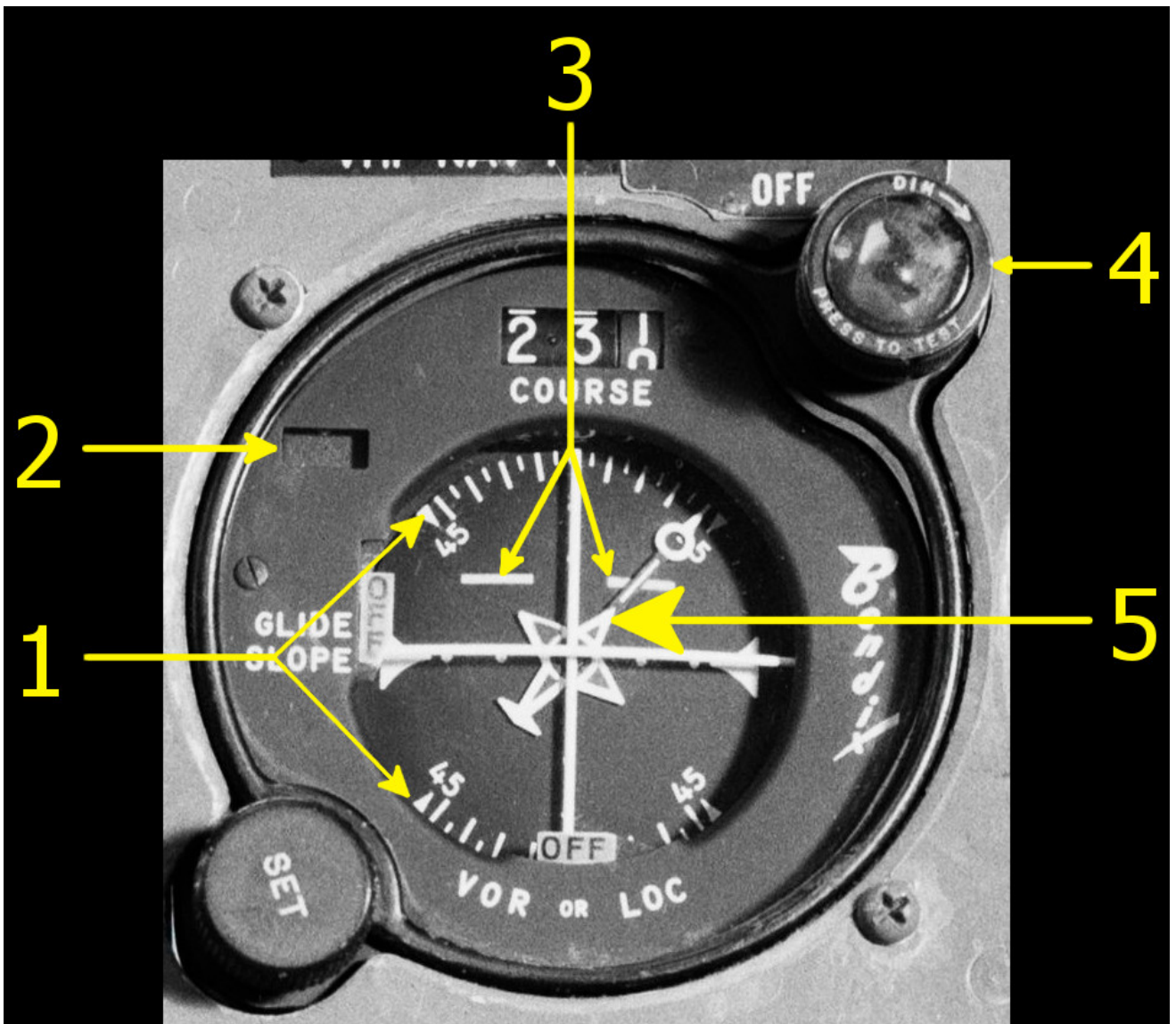
Asked 3 years, 5 months ago · Active 3 years, 5 months ago · Viewed 487 times

This is a Swissair photo from a DC-7C panel.

13



2



[Source](#)

I have seen photos on airliners.net of these in DC-6s, VC-118 and Constellations. It appears that other companies besides Bendix made these indicators, but they are similar in appearance and function.

I've searched unsuccessfully for patents, or any other information that would describe what I am asking about:

1. What are these "45" scales for?



4. What happens when the test button is pressed, e.g., the loc, glideslope needles move to some position, #5 rotates to some position, #2 flag appears?
5. What does this "airplane" indicate?

flight-instruments

edited Jun 12 '17 at 8:43



DeltaLima

65.5k

7

208

287

asked Jun 12 '17 at 2:29



curious_1

441

2

8

If that helps, the reference is [MN-97](#) – mins Jun 12 '17 at 7:40

- 1 @mins yes it does! Amazing what you can find when you know what to look for. – curious_1 Jun 13 '17 at 0:22

1 Answer

Active

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- ▲ This is an early version of an HSI. The heading (depicted by the airplane) is either set manually, or it's slaved to a remote compass.
- 5 Responding to the question as numbered:
- ▼
- ✓
- 🕒
1. Depicts wind correction angle when tracking a course.
 2. To/From flag
 3. Glide slope reference (too low)
 4. Push to test the warning light. Also push to illuminate while turning to adjust brightness. This may light without a valid heading source from a remote compass/flux valve. It may also be to indicate failure of an internal gyro if so equipped for heading source.
 5. Depicts aircraft the heading

edited Jun 12 '17 at 19:12

answered Jun 12 '17 at 14:20



STWilson

1,631

6

18

As the [sticker](#) indicates "OMNI-MAG" this should be the compass version. – mins Jun 12 '17 at 19:03

- 1 That large cannon plug leads me to suspect it's indeed coupled to a remote compass. The name "OMNI-MAG" is descriptive that the indicator displays a composite view of VOR course and magnetic heading data. – STWilson Jun 12 '17 at 19:06
- 2 Here are a couple of links to some further information about the MD-97: (flightglobal.com/FlightPDFArchive/1957/1957%20-%200495.PDF) and (timetravelair.com/techlibrary/EQ%2005-45B-1A.pdf) – curious_1 Jun 13 '17 at 0:34