

FLIGHT ENVIRONMENTAL DATA - DESCRIPTION AND OPERATION

1. Description

- A. This section covers that portion of the system which senses environmental conditions and uses the data to influence navigation. It includes items such as pitot/static, air temperature, vertical speed indicator (rate-of-climb), airspeed indicator, altimeter, etc.
- B. The airplane may utilize a second, optional, right pitot/static system which is independent from the left system. In addition, an optional right flight panel is offered, which incorporates a second airspeed indicator, altimeter, vertical speed indicator (rate-of-climb), and turn-and-bank indicator. Even though the mounting locations on the right panel are different from those on the left panel, the removal, installation, troubleshooting, and maintenance practices and procedures will be the same for both left and right installations. Only the maintenance procedures for the left instruments will be covered in the chapter, since the maintenance procedures for the right instruments would be the same. The right panel may also incorporate an optional electric gyro system, which is independent of the left vacuum driven gyros. Maintenance procedures for the electrical gyros are covered in this chapter. Refer to Chapter 37 for servicing information on vacuum driven gyros.