

HORIZON AND DIRECTIONAL GYROS - MAINTENANCE PRACTICES

1. General

- A. This section gives information to remove and install the components of the electronically driven horizon and directional gyros.

2. Electrical Horizon Gyro Removal/Installation (Model 208 Only)

- A. Remove Electrical Horizon Gyro (Refer to Figure 201).
- (1) Remove screws and washers securing right removable flight panel, and slide panel aft to gain access to back of gyro (1).
 - (2) Disconnect electrical plug (2).
 - (3) Cut sta-strap (10).
 - (4) Remove screws (3), securing gyro (1) and faceplate (4) to flight panel, and lift gyro (1) from flight panel.
 - (5) Remove hose (11).
- B. Install Electrical Horizon Gyro (Refer to Figure 201).
- (1) Position hose (11) and sta-strap (10).
 - (2) Position gyro (1) and faceplate (4) to removable flight panel.
 - (3) Install screws (3).
 - (4) Connect sta-strap (10).
 - (5) Connect electrical plug (2).
 - (6) Slide removable flight panel back against instrument panel, and install screws and washers.
 - (7) (For airplanes equipped with KFC-225 autopilot.) If a new unit is installed or the unit is calibrated, do a system alignment. Refer to Introduction, the List of Manufacturers Technical Publications for the manufacturer's installation manual.

3. Electrical Directional Gyro Removal/Installation (Model 208 Only)

- A. Remove Electrical Directional Gyro (Refer to Figure 202).
- (1) Remove screws and washers, securing right removable flight panel, and slide panel aft to gain access to back of gyro (5).
 - (2) Disconnect electrical plug (6).
 - (3) Cut sta-strap (10).
 - (4) Remove screws (7), securing gyro (5) and faceplate (8) to flight panel, and lift gyro (5) from flight panel.
 - (5) Remove hose (11).
- B. Install Electrical Directional Gyro (Refer to Figure 202).
- (1) Position hose (11) and sta- strap (10).
 - (2) Position gyro (5) and faceplate (8) to removable flight panel.
 - (3) Install screws (7).
 - (4) Connect sta-strap (10).
 - (5) Connect electrical plug (6).
 - (6) Slide flight panel back against instrument panel, and install screws and washers.
 - (7) (For airplanes equipped with KFC-225 autopilot.) If a new unit is installed or the unit is calibrated, do a system alignment. Refer to Introduction, the List of Manufacturers Technical Publications for the manufacturer's installation manual.

4. Electrical Horizon Gyro Removal/Installation (Model 208B and 208B Passenger)

- A. Remove Electrical Horizon Gyro (Refer to Figure 202).
- (1) Remove screws and washers securing right removable flight panel, and slide panel aft to gain access to back of gyro (2).
 - (2) Disconnect electrical plug (1).
 - (3) Remove screws (5) securing faceplate (4) and gyro (2), and lift gyro (2) from flight panel.

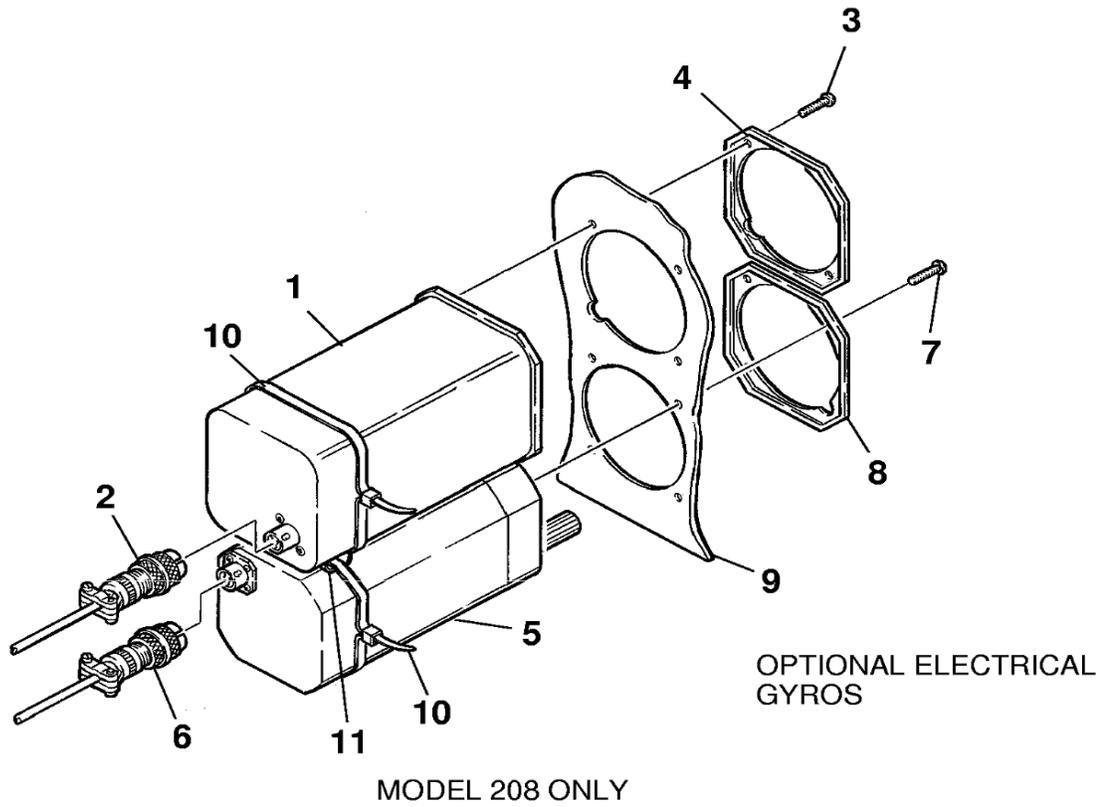
- B. (Refer to Figure 202).
 - (1) Position gyro (2) in removable flight panel, and install faceplate (4) and gyro to panel using screws (5).
 - (2) Connect electrical plug (1) to gyro(2).
 - (3) Slide removable flight panel back against instrument panel, and install screws and washers.
 - (4) (For airplanes equipped with KFC-225 autopilot.) If a new unit is installed or the unit is calibrated, do a system alignment. Refer to Introduction, the List of Manufacturers Technical Publications for the manufacturer's installation manual.

5. HSI Indicator Removal/Installation (Model 208B and 208B Passenger)

- A. Remove HSI Indicator (Refer to Figure 202).
 - (1) Remove screws and washers securing left removable flight panel, and slide panel aft to gain access to back of HSI indicator (7).
 - (2) Disconnect electrical plugs (6) and (11).
 - (3) Remove screws (10) securing faceplate (9) and HSI (7), and lift HSI (7) from flight panel.
- B. Install HSI Indicator (Refer to Figure 202).
 - (1) Position HSI (7) in removable flight panel, and install faceplate (9) and HSI (7) to panel using screws (10).
 - (2) Connect electrical plugs (6) and (11) to HSI (7).
 - (3) Slide panel back against instrument panel, and install screws and washers.

Figure 201 : Sheet 1 : Optional Electric Gyros Installation

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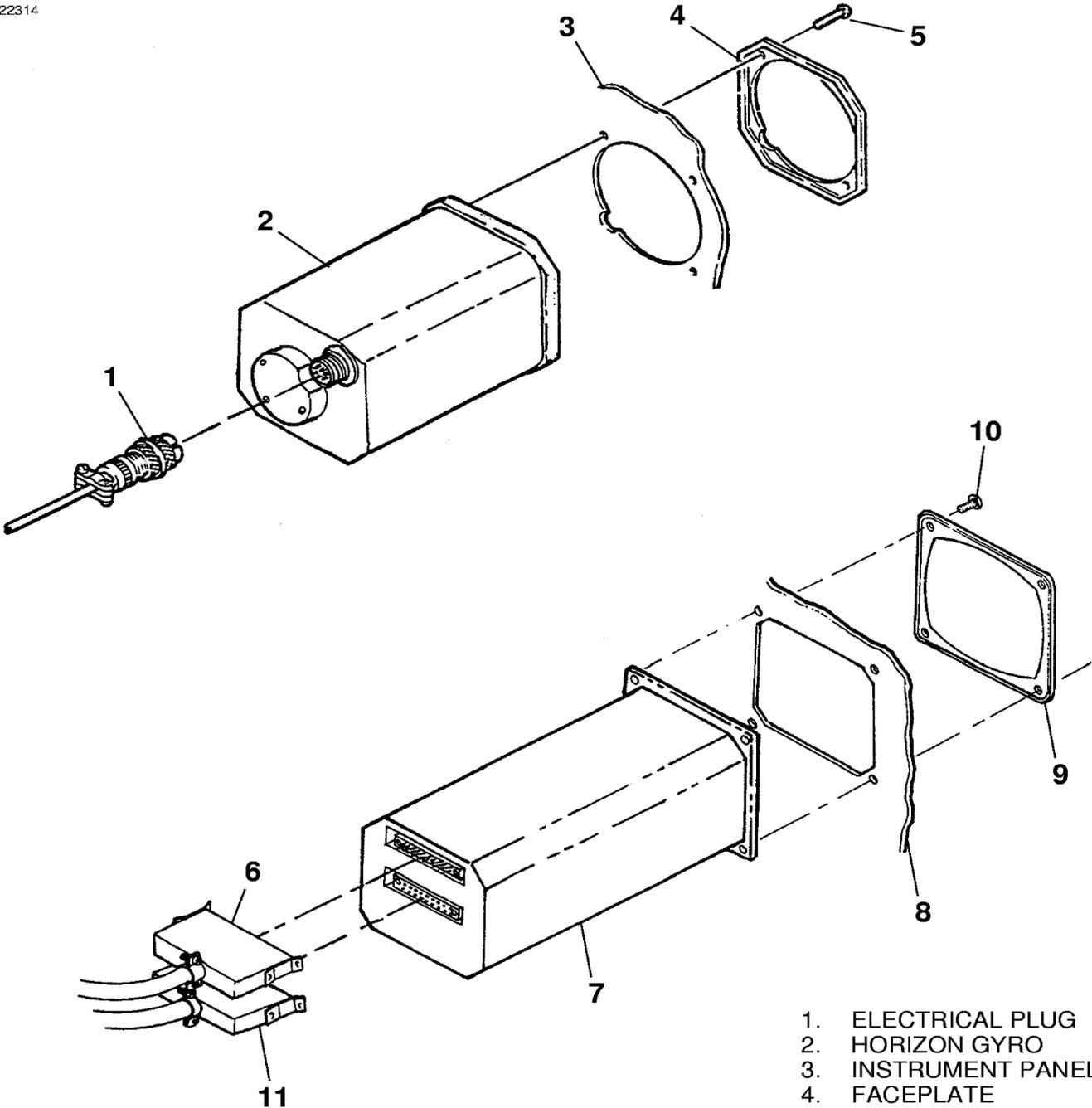


1. HORIZON GYRO
2. ELECTRICAL PLUG
3. SCREW
4. FACEPLATE
5. DIRECTION GYRO
6. ELECTRICAL PLUG
7. SCREW
8. FACEPLATE
9. REMOVABLE FLIGHT PANEL
10. STA-STRAP
11. HOSE

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Figure 202 : Sheet 1 : Electric Gyros Installation

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- 1. ELECTRICAL PLUG
- 2. HORIZON GYRO
- 3. INSTRUMENT PANEL
- 4. FACEPLATE
- 5. SCREW
- 6. ELECTRICAL PLUG
- 7. HSI
- 8. INSTRUMENT PANEL
- 9. FACEPLATE
- 10. SCREW
- 11. ELECTRICAL PLUG

AIRPLANES 20800084 AND ON
AND 208B0214 AND ON

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