

MASTER WARNING AND ANNUNCIATOR PANEL - MAINTENANCE PRACTICES

1. General

- A. Master warning and annunciator panel maintenance practices consist of annunciator panel components removal/installation.

2. Annunciator Panel Removal/Installation

- A. Remove Annunciator Panel (Refer to Figure 201).
 - (1) Remove seven screws (1) securing cowl deck cover (2) to cowl deck assembly and remove cover.
 - (2) Disconnect connector (4) from annunciator panel (3).
 - (3) Remove six screws (5) securing annunciator panel to instrument panel, and then remove by pulling the annunciator panel back and up through the cowl deck access opening.
- B. Install Annunciator Panel (Refer to Figure 201).
 - (1) Install annunciator panel down and through the cowl deck access opening and secure to instrument panel using six screws (5).
 - (2) Connect connector (4) to annunciator panel (3) and perform operational check.
 - (3) Install cowl deck cover (2) to cowl deck assembly and secure using seven screws (1).

3. Annunciator Panel Lamp(s) Removal/Installation

- A. Remove Annunciator Panel Lamp(s) (Refer to Figure 201).
 - (1) Push in on face of module (18), release the module and allow it to pop out.
 - (2) Pull module out to limit of hinged retainer and allow it to rotate down 90 degrees.
 - (3) Remove bulb (17) from retainer.
- B. Install Annunciator Panel Lamp(s) (Refer to Figure 201).
 - (1) Install bulb (17) into retainer.
 - (2) Rotate module (18) up and press in until it catches and release it.

NOTE: Each module contains two bulbs, and, if necessary, with one defective bulb, the module will remain sufficiently illuminated.

4. Annunciator Indicator Light Lens Removal/Installation

- A. Remove Annunciator Indicator Light Lens (Refer to Figure 201).
 - (1) Push in on face of module (18), then release module and allow it to pop out.
 - (2) Pull module out to limit of hinged retainer (23) and move hinged retainer (23) from side side while continuing to pull.
 - (3) Module (18) should pull free from housing assembly (26).
 - (4) Pry lens retainer (21) up over reflector assembly flanges on top and bottom of module assembly (18) and pull lens retainer (21) off of module assembly (18).
 - (5) Remove nomenclature filter (22B), colored filter (22A) and cover lens (22) from back side of lens retainer (21). Note removal sequence of filters.
- B. Install Annunciator Indicator Light Lens (Refer to Figure 201).
 - (1) Install cover lens (22), colored filter (22A) and nomenclature filter (22B) into the lens.' retainer (21). Make sure stenciled lens read correctly with right side up.
 - (2) Position lens retainer (21) to module assembly (20).
 - (3) Press lens retainer (21) on module assembly (20).
 - (4) Position hinged retainer (23) over retaining spring (19) in housing assembly (26).

CAUTION: To avoid damaging retaining spring (19) be sure hinged retainer (23) is properly positioned in housing assembly (26) and not against retaining spring (19). If retaining spring (19) is inadvertently damaged, replace housing assembly (26).

- (5) Push module (18) into housing assembly (26) until it snaps into a locked position.

NOTE: If module becomes disengaged and will not lock when pressed, it may be necessary to pull module out slightly and press in again.

5. Annunciator Indicator Light Housing Assembly Removal/Installation

A. Remove Annunciator Indicator Light Housing Assembly (Refer to Figure 201).

- (1) Locate housing assembly to be replaced and remove all three modules in the stack.

CAUTION: PC boards are soldered in place. Be sure PC boards are not moved or damaged when removing or installing housing assemblies.

- (2) Remove two screws (27) and nuts (24) securing PC boards, spacers (25), and housing assemblies (26).
- (3) Pull housing assembly (26) out of stack.

NOTE: In order to remove housing assembly (26) it may be necessary to remove more than one housing assembly in the stack. Insulating spacers may become dislodged when removing housing assemblies. It may be necessary to loosen screws securing modules in adjacent stacks to ease removal of housing assemblies.

B. Install Annunciator Indicator Light Housing Assembly (Refer to Figure 201).

CAUTION: Be sure not to damage PC board when installing housing assemblies and spacers.

- (1) Position housing assembly (26) to annunciator panel and slowly push housing assembly (26) into stack.
- (2) Install spacers (25).

NOTE: It may be necessary to loosen screws securing modules in adjacent stacks to allow casing to be separated to ease installation of housing assemblies and spacers.

- (3) Align housing assemblies and spacers with PC boards and casing using awls.
- (4) Install screws (27) and nuts (24).
- (5) Tighten any adjacent screws that may have been loosened to ease removal and installation.
- (6) Install three modules in stack as follows: Position hinged retainer (23) over retaining spring (19) to housing assembly (26).

CAUTION: To avoid damaging retaining spring (19) be sure hinged retainer (23) is positioned to housing assembly (26) and not against retaining spring (19).

- (7) Push module (18) into PC board until it snaps into a locked position.

6. Day/Night Switch Removal/Installation

A. Remove Day/Night Switch (Refer to Figure 201).

- (1) Remove seven screws (1) securing cowl deck cover (2) to cowl deck assembly and remove cover.
- (2) Remove six screws (5) securing annunciator panel to instrument panel, and then remove by pulling the annunciator panel back and up through the cowl deck access opening.
- (3) Remove decorator nut (6) from instrument panel and retain washers (7) and (8).
- (4) Bring switch (13) back and up through cowl deck access opening.
- (5) Remove electrical leads (12) and tag for reinstallation.

B. Install Day/Night Switch (Refer to Figure 201).

- (1) Install electrical leads (12) and remove identification tags.
- (2) Install switch (13) in instrument panel and install washers (7) and (8) and decorator nut (6) to secure switch to instrument panel.
- (3) Install annunciator panel down and through the cowl deck access opening, secure to instrument panel using six screws (5), and perform operational check.
- (4) Install cowl deck cover (2) to cowl deck assembly and secure using seven screws (1).

7. Lamp Test Switch Removal/Installation

A. Remove Lamp Test Switch (Refer to Figure 201).

- (1) Remove seven screws (1) securing cowl deck cover (2) to cowl deck assembly and remove cover.
- (2) Remove six screws (5) securing annunciator panel, and then remove by pulling annunciator panel back up and through the cowl deck access opening.
- (3) Remove decorator nut (6) from instrument panel and retain washers (7) and (8) for reinstallation.

- (4) Bring switch (14) back and up through cowl deck access opening.
- (5) Unsolder electrical leads from switch and tag for reinstallation.
- B. Install Lamp Test Switch (Refer to Figure 201).
 - (1) Solder electrical leads to switch (14) and remove identification tags.
 - (2) Install switch (14) in instrument panel and install washers (7) and (8) and decorator nut (6) to secure switch to instrument panel.
 - (3) Install annunciator panel (3) in instrument panel, secure using six screws (5), and perform operational check.
 - (4) Install cowl deck cover (2) to cowl deck assembly and secure using seven screws (1).

8. Fire Detector Test Switch Removal/Installation

- A. Remove Fire Detector Test Switch (Refer to Figure 201).
 - (1) Remove seven screws (1) securing cowl deck cover (2) to cowl deck assembly and remove cover.
 - (2) Remove six screws (5) securing annunciator panel, and then remove by pulling annunciator panel back up and through the cowl deck access opening.
 - (3) Remove decorative nut (16) and nut (6) from instrument panel and retain washer (8).
 - (4) Bring switch (15) back up and through cowl deck access opening.
 - (5) Unsolder electrical leads from switch (15) and tag for reinstallation.
- B. Install Fire Detector Test Switch (Refer to Figure 201).
 - (1) Solder electrical leads to switch (15) and remove identification tags.
 - (2) Install switch (15) in instrument panel and install washer (8), nut (6), and decorative nut (16) to secure switch to instrument panel.
 - (3) Install annunciator panel (3) in instrument panel and secure using screws (5).
 - (4) Install cowl deck cover (2) to cowl deck assembly and secure using seven screws (1).