

CABIN UPHOLSTERY - MAINTENANCE PRACTICES**1. General**

- A. Cabin upholstery consists of a headliner, side panels, window trim, floor covering and a control column cover. Maintenance practices consist of removal and replacement of the various panels.

2. Upholstery Removal/Installation (Model 208 and 208B Passenger)

- A. Remove Fabric Headliner (Refer to Figure 201).

- (1) Remove window moldings, light consoles, fresh air inlet covers and any other visible retainers securing headliner.
 - (2) Carefully separate edges from channels at top of windows.

NOTE: Always work front to rear when removing headliner.

NOTE: Due to difference in length and contour of wire bows, each bow should be tagged to ensure proper location in headliner.

- (3) Starting at front of headliner, work headliner down, removing bows from metal tabs which hold bows to cabin top. Detach each bow in succession.
 - (4) Remove headliner assembly and bows from airplane.

- B. Install Fabric Headliner (Refer to Figure 201).

NOTE: Before installation, check all items concealed by headliner for security. Use a wide cloth tape to secure loose wires to fuselage. Straighten tabs bent during removal of headliner.

- (1) Insert wire bows into headliner seams and secure rear most edges of headliner after positioning two bows at rear of headliner.
 - (2) Stretch material along edges to ensure it is properly centered, but do not stretch enough to destroy ceiling contours or distort wire bows.
 - (3) Glue edges of headliner under channel along cabin at top of windows and above doors.
 - (4) Work headliner forward, installing each wire bow in place with metal tabs. Stretch headliner just taut enough to avoid wrinkles and maintain a smooth contour.
 - (5) When all bows are in place and fabric edges are secured, trim off excess fabric and reinstall all items removed.

- C. Remove Upholstery Side Panels And Trim (Refer to Figure 202).

- (1) Remove seats to gain access to side panels Refer to Passenger Seats - Maintenance Practices.
 - (2) Remove retaining strips and window trim as required.
 - (3) Remove machine screws to free panels as required.

- D. Install Upholstery Side Panels And Trim (Refer to Figure 202).

- (1) Position panels on areas to be installed.
 - (2) Locate nutplates and install screws.
 - (3) Install retaining strips and window trim.
 - (4) Install seats. Refer to Passenger Seats - Maintenance Practices.

- E. Remove Crew Door Panel Upholstery (Refer to Figure 203).

- (1) Open door.
 - (2) Remove all loose items in door pouch.
 - (3) Remove foul weather window from pilot crew door. Refer to Chapter 56, Flight Compartment Windows - Removal/Installation.
 - (4) Remove door assist strap from door.
 - (5) Remove window molding.
 - (6) Remove inner door latch handle, escutcheon, and lock knob. Refer to Chapter 52, Passenger and Crew Doors - Maintenance Practices.
 - (7) Remove crew door trim panel.
 - (8) If applicable, remove fire extinguisher bracket from crew door trim panel.

- F. Install Crew Door Panel Upholstery (Refer to Figure 203).

- (1) If applicable, attach fire extinguisher bracket to door using screws.
- (2) Position crew door trim panel to door and secure with screws.
- (3) Install inner door latch escutcheon, handle and lock knob. Refer to Chapter 52, Passenger and Crew Doors - Maintenance Practices.
- (4) Position window trim around window and secure with screws.
- (5) Attach door assist strap to door using screws.
- (6) Install foul weather window on pilot crew door. Refer to Chapter 56, Flight Compartment Windows - Removal/Installation.

G. Remove Cargo Door Panels And Trim (Refer to Figure 204).

- (1) Open door.
- (2) Remove inner door latch handle, escutcheon and lockplate. Refer to Chapter 52, Cargo Door - Maintenance Practices.
- (3) Disconnect door pull cable from both the lower cargo door and the upper cargo door.
- (4) Remove door pull cable hardware from both the lower cargo door and the upper cargo door.
- (5) Remove screws securing both ends of door restraint latch assembly to lower door.
- (6) Remove lower cargo door trim panel from lower door.

CAUTION: It is necessary to provide support for the upper door when gas springs are removed.

- (7) Detach gas springs from upper door. Refer to Chapter 52, Cargo Door - Maintenance Practices.
- (8) Remove screws securing upper cargo door window molding to door and remove molding.

H. Install Cargo Door Panels And Trim (Refer to Figure 204).

- (1) Position upper cargo door window molding to door and secure using screws.

CAUTION: It is necessary to provide support for the upper door during the following steps.

- (2) Attach gas springs to upper door. Refer to Chapter 52, Cargo Door - Maintenance Practices.
- (3) Position lower cargo door trim panel to lower door and secure using screws.
- (4) Install both ends of door restraint latch assembly to lower door.
- (5) Attach door pull cable hardware to both the lower cargo door and the upper cargo door. Connect door pull cable between the doors.
- (6) Install inner door latch escutcheon, handle and lockplate. Refer to Chapter 52, Cargo Door - Maintenance Practices.
- (7) Close doors.

I. Remove Passenger Door Panels And Trim (Refer to Figure 204).

- (1) Open door.
- (2) Remove inner door latch handle, escutcheon and lockplate. Refer to Chapter 52, Passenger And Crew Doors - Maintenance Practices.
- (3) On upper door, remove pins attaching door pull cable to eyebolt and remove eyebolt from door.
- (4) On lower door, remove step assembly. Refer to Chapter 52, Passenger And Crew Doors - Maintenance Practices.
- (5) Detach gas springs from upper door. Refer to Chapter 52, Passenger And Crew Doors - Maintenance Practices.
- (6) Remove screws securing upper cargo door window molding to door and remove molding.

J. Install Passenger Door Panels And Trim (Refer to Figure 204).

- (1) Position window molding to upper door and secure using screws.

CAUTION: It is necessary to provide support for the upper door during the following steps.

- (2) Attach gas springs to upper door. Refer to Chapter 52, Passenger And Crew Doors - Maintenance Practices.
- (3) Install eyebolt to upper door and attach door pull cable to eyebolt.
- (4) Install step assembly to lower door. Refer to Chapter 52, Passenger And Crew Doors - Maintenance Practices.
- (5) Install eyebolt to lower door and attach door pull cable to eyebolt.
- (6) Install inner door latch handle, escutcheon and lockplate. Refer to Chapter 52, Passenger And Crew Doors -

Maintenance Practices.

(7) Close doors.

3. Upholstery Removal/Installation (Cargomaster and 208B)

A. Remove Hard Shelled Model 208 Headliner (Refer to Figure 205).

NOTE: The hard shell consists of a fabric-type headliner in section 1 and rigid shells in the remaining five sections.

(1) Section 1.

- (a) Remove windshield retainer molding, speaker covers, warning horn cover, light consoles, fresh air outlet covers and any other visible retainers securing headliner.
- (b) Carefully separate edges from channels at top of windows.
- (c) Remove headliner assembly and bow from airplane.

(2) Section 2.

- (a) Remove screws securing headliner and pull headliner down away from Velcro fastener strips on cabin top.

(3) Section 4 and 5.

- (a) Remove screws securing interior light escutcheons and remove escutcheons.

(4) Section 3, 4, 5 and 6.

- (a) Remove screws and pop rivets securing headliner, and pull headliner down away from cabin top.

B. Install Hard Shelled Model 208 Headliner (Refer to Figure 205).

(1) Section 1.

- (a) Check all items concealed by headliner for security. Use a wide cloth tape to secure loose wires to fuselage and straighten tabs bent during removal of headliner.
- (b) Insert wire bow into headliner seam and secure bow to fuselage attach points.
- (c) Stretch material edges to ensure it is properly centered. Do not stretch enough to destroy ceiling contours or distort wire bow.
- (d) Glue edges of headliner under channel along cabin at top of windows and above doors.
- (e) Install windshield retainer molding, speaker covers, warning horn cover, light consoles, fresh air outlet covers and any other visible retainers securing headliner.

(2) Section 2.

- (a) Flex headliner and position up against Velcro strips on top of fuselage. Secure section to airplane using screws.

(3) Section 3, 4, 5 and 6.

- (a) Flex headliner and position against cabin top. Secure section to airplane using screws and pop rivets.

(4) Position interior light escutcheons to cabin top and secure using screws.

C. Remove Hard Shelled Model 208B Headliner (Refer to Figure 205).

(1) Section 1.

- (a) Remove windshield retainer molding, speaker covers, warning horn cover, light consoles, fresh air outlet covers and any other visible retainers securing headliner.
- (b) Carefully separate edges from channels at top of windows.
- (c) Remove headliner assembly and bow from airplane.

(2) Section 2.

- (a) Remove screws securing headliner and pull headliner down away from Velcro fastener strips on cabin top.

(3) Section 3 and 7.

- (a) Remove screws securing interior light escutcheons and remove escutcheons.

(4) Section 5, 6, 7 and 8.

- (a) Remove screws securing anchor plates and remove anchor plates.

(5) Section 3, 4, 5, 6, 7 and 8.

- (a) Remove screws and pop rivets securing headliner and pull headliner down away from cabin top.

D. Install Hard Shelled Model 208B Headliner (Refer to Figure 205).

- (1) Section 1.
 - (a) Check all items concealed by headliner for security. Use a wide cloth tape to secure loose wires to fuselage and straighten tabs bent during removal of headliner.
 - (b) Insert wire bow into headliner seam and secure bow to fuselage attach points.
 - (c) Stretch material edges to ensure it is properly centered. Do not stretch enough to destroy ceiling contours or distort wire bow.
 - (d) Glue edges of headliner under channel along cabin at top of windows and above doors.
 - (e) Install windshield retainer molding, speaker covers, warning horn cover, light consoles, fresh air outlet covers and any other visible retainers securing headliner.
- (2) Section 2.
 - (a) Flex headliner and position up against Velcro strips on top of fuselage. Secure section to airplane using screws.
- (3) Section 3, 4, 5, 6, 7 and 8.
 - (a) Flex headliner and position against cabin top. Secure section to airplane using screws and pop rivets.
- (4) Position interior light escutcheons to cabin top and secure using screws.
- (5) Position anchor plates and install screws.

E. Remove Upholstery Hard Shell Side Panels and Trim (Refer to Figure 206).

NOTE: Superficial damage to side panels may be repaired using a Gillpatch. Major damage requires replacement of panels.

- (1) Remove tape from seams.

NOTE: Airplanes 20800001 Thru 20800116 and 208B0001 Thru 208B0027 use Giltape on panel seams. Airplanes 20800117 and On and 208B0028 and On use 3M tape on panel seams.

- (2) Remove machine screws attaching panels to airplane.

F. Install Upholstery Hard Shell Side Panels and Trim (Refer to Figure 206).

- (1) Position panels on areas to be covered.
- (2) Locate nutplates behind panel and secure panels using machine screws.
- (3) Apply tape to all panel seams. Center tape over joint and use three inch lap at intersections.

G. Remove Crew Door Panel Upholstery (Refer to Figure 203).

- (1) Open door.
- (2) Remove all loose items in door pouch.
- (3) Remove foul weather window from pilot crew door. Refer to Chapter 56, Flight Compartment Windows - Removal/Installation.
- (4) Remove door assist strap from door.
- (5) Remove window molding.
- (6) Remove inner door latch handle, escutcheon, and lock knob. Refer to Chapter 52, Passenger and Crew Doors - Maintenance Practices.
- (7) Remove crew door trim panel.
- (8) If applicable, remove fire extinguisher bracket from crew door trim panel.

H. Install Crew Door Panel Upholstery (Refer to Figure 203).

- (1) If applicable, attach fire extinguisher bracket to door using screws.
- (2) Position crew door trim panel to door and secure with screws.
- (3) Install inner door latch escutcheon, handle and lock knob. Refer to Chapter 52, Passenger and Crew Doors - Maintenance Practices.
- (4) Position window trim around window and secure with screws.
- (5) Attach door assist strap to door using screws.
- (6) Install foul weather window on pilot crew door. Refer to Chapter 56, Flight Compartment Windows -

Removal/Installation.

I. Remove Cargo Door Panels And Trim (Refer to Figure 204).

- (1) Open door.
- (2) Remove inner door latch handle, escutcheon and lockplate. Refer to Chapter 52, Cargo Door - Maintenance Practices.
- (3) Disconnect door pull cable from both the lower cargo door and the upper cargo door.
- (4) Remove door pull cable hardware from both the lower cargo door and the upper cargo door.
- (5) Remove screws securing both ends of door restraint latch assembly to lower door.
- (6) Remove lower cargo door trim panel from lower door.

CAUTION: It is necessary to provide support for the upper door when gas springs are removed.

- (7) Detach gas springs from upper door. Refer to Chapter 52, Cargo Door - Maintenance Practices.
- (8) Remove screws securing upper cargo door window molding to door and remove molding.

J. Install Cargo Door Panels And Trim (Refer to Figure 204).

- (1) Position upper cargo door window molding to door and secure using screws.

CAUTION: It is necessary to provide support for the upper door during the following steps.

- (2) Attach gas springs to upper door. Refer to Chapter 52, Cargo Door - Maintenance Practices.
- (3) Position lower cargo door trim panel to lower door and secure using screws.
- (4) Install both ends of door restraint latch assembly to lower door.
- (5) Attach door pull cable hardware to both the lower cargo door and the upper cargo door. Connect door pull cable between the doors.
- (6) Install inner door latch escutcheon, handle and lockplate. Refer to Chapter 52, Cargo Door - Maintenance Practices.
- (7) Close doors.

Figure 201 : Sheet 1 : Fabric Headliner Installation

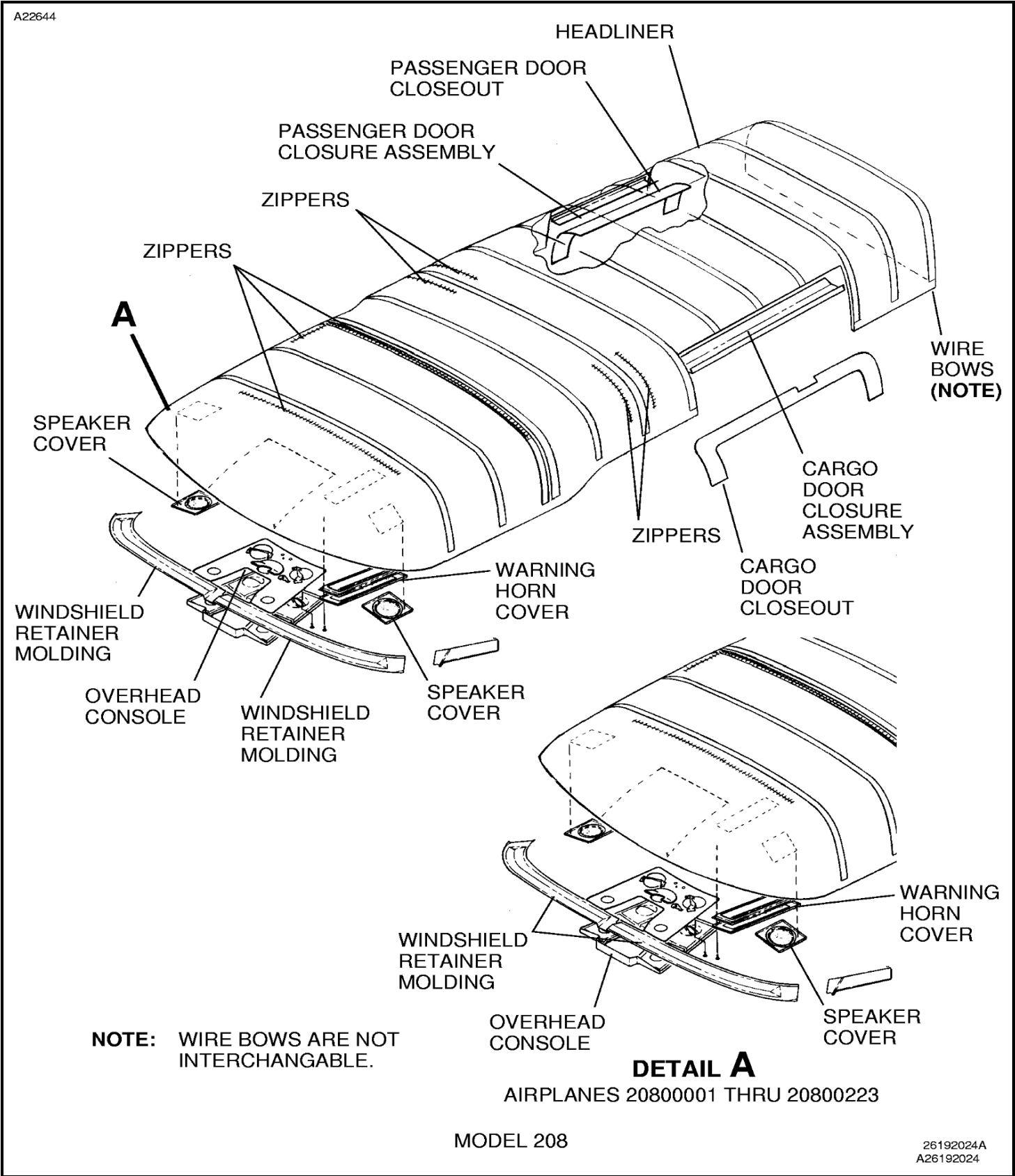
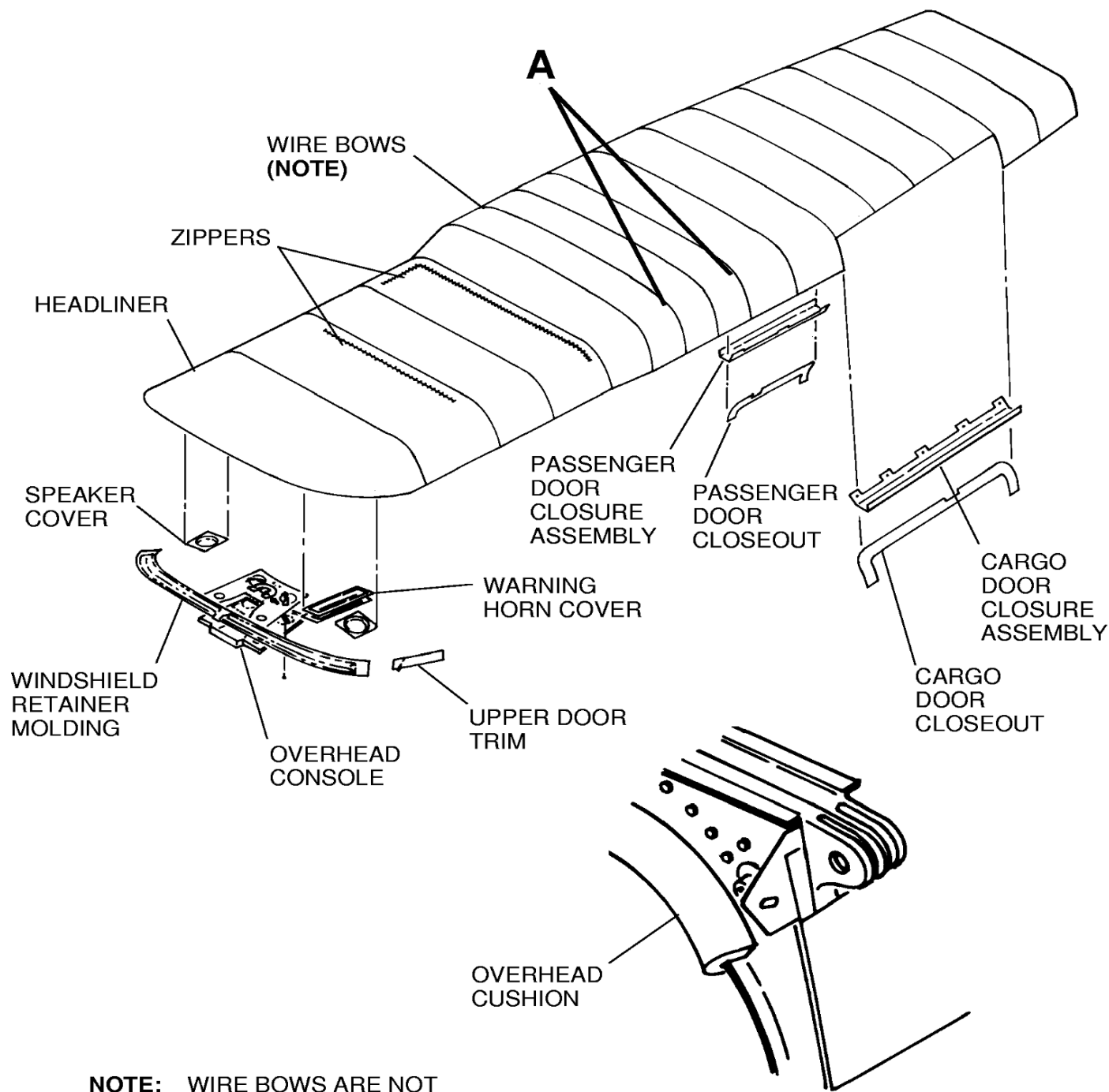


Figure 201 : Sheet 2 : Fabric Headliner Installation

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NOTE: WIRE BOWS ARE NOT INTERCHANGABLE

DETAIL A
AIRPLANES 208B0274 AND ON

MODEL 208B

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Figure 202 : Sheet 1 : Upholstery Side Panels and Trim Installation

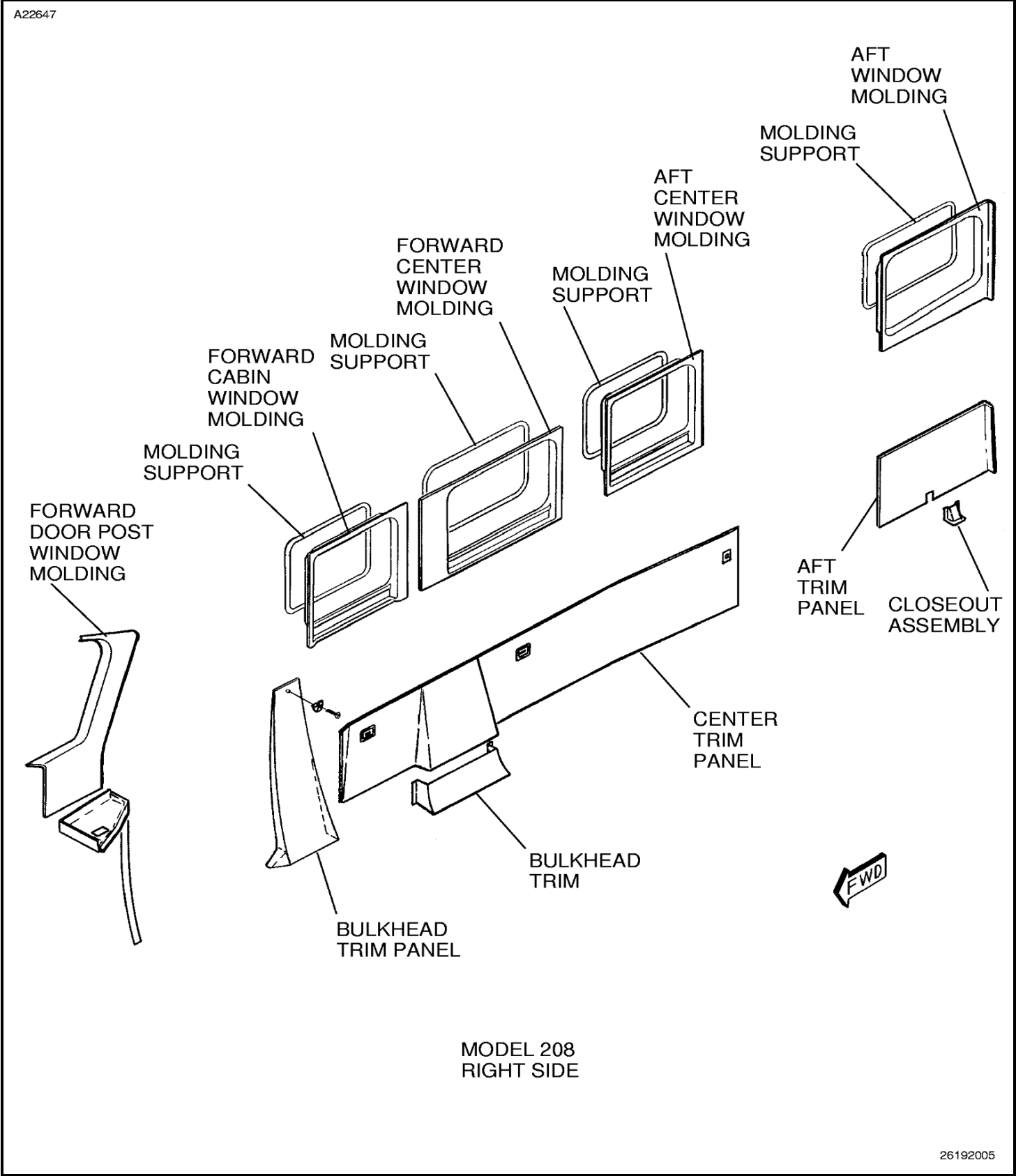


Figure 202 : Sheet 2 : Upholstery Side Panels and Trim Installation

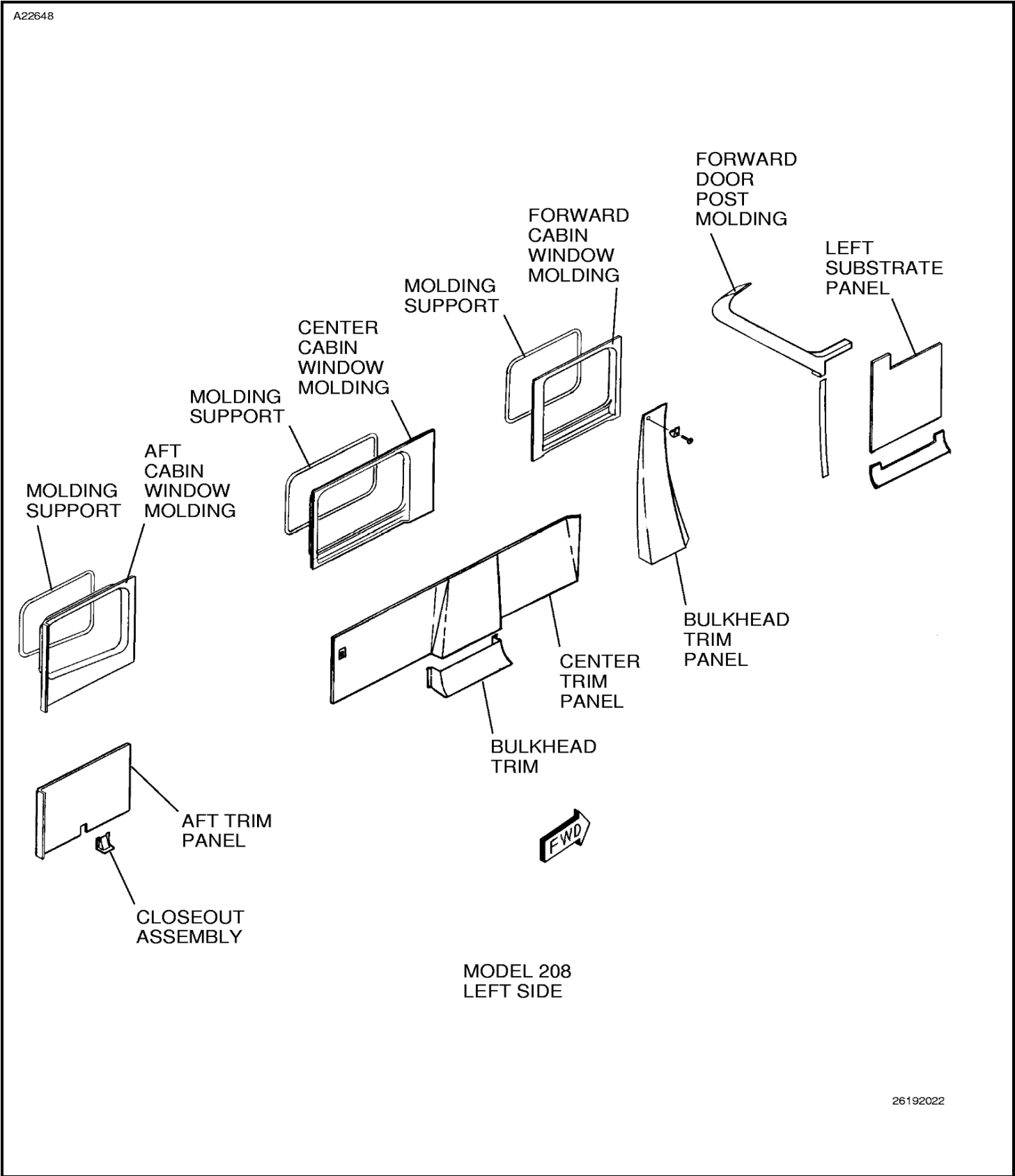


Figure 202 : Sheet 3 : Upholstery Side Panels and Trim Installation

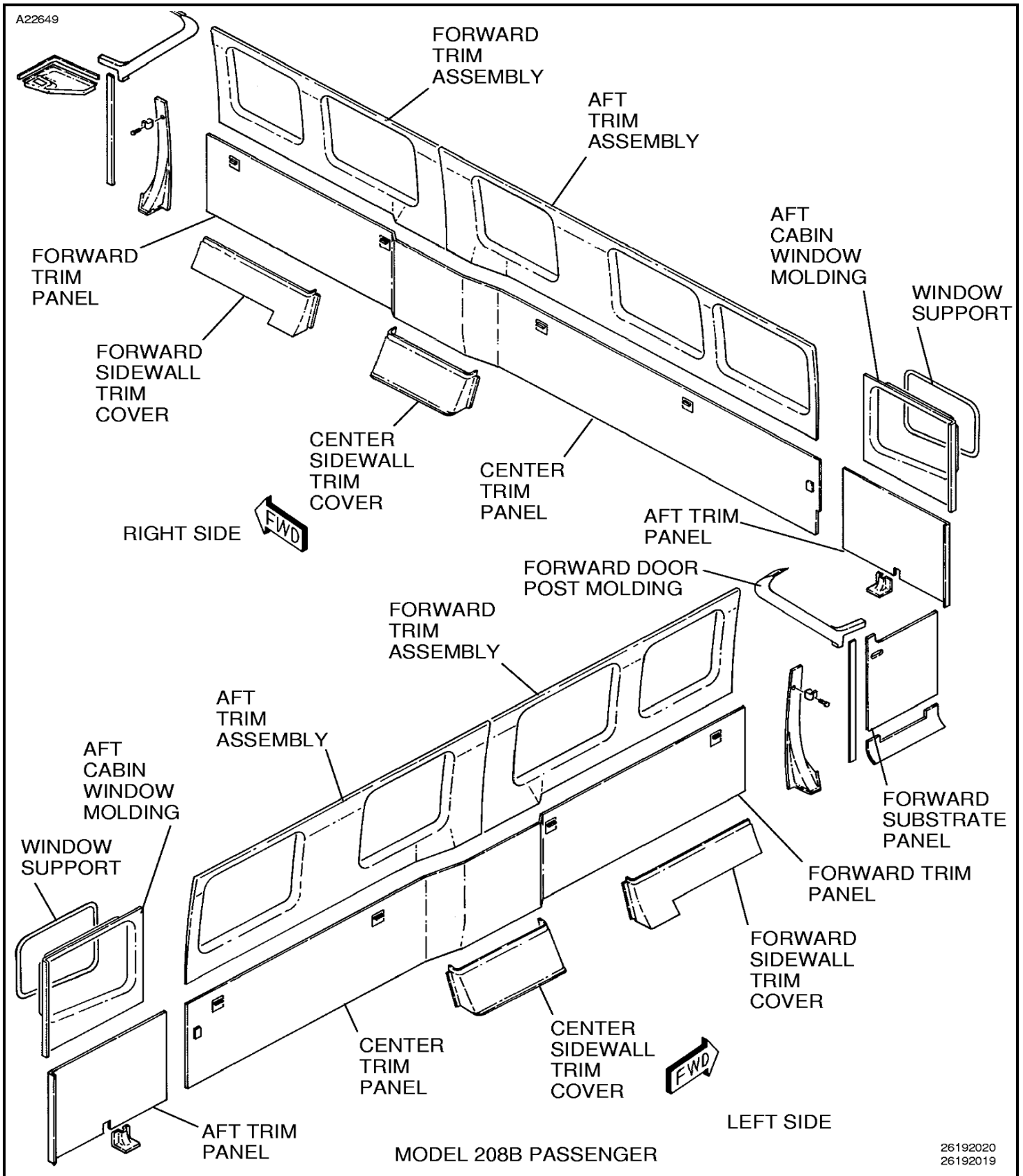
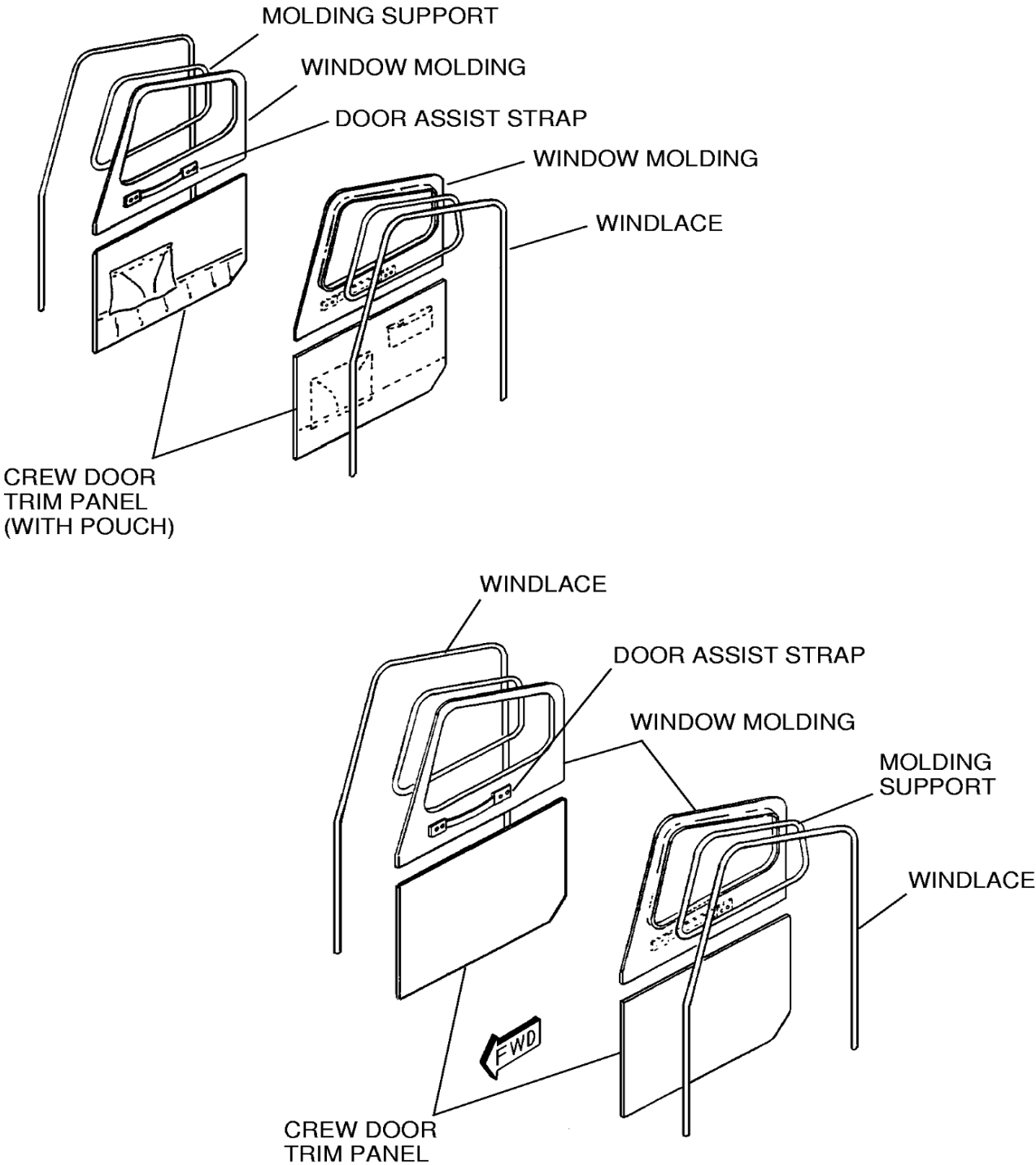


Figure 203 : Sheet 1 : Crew Door Panel Installation

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Figure 204 : Sheet 1 : Passenger and Cargo Door Upholstery Installation

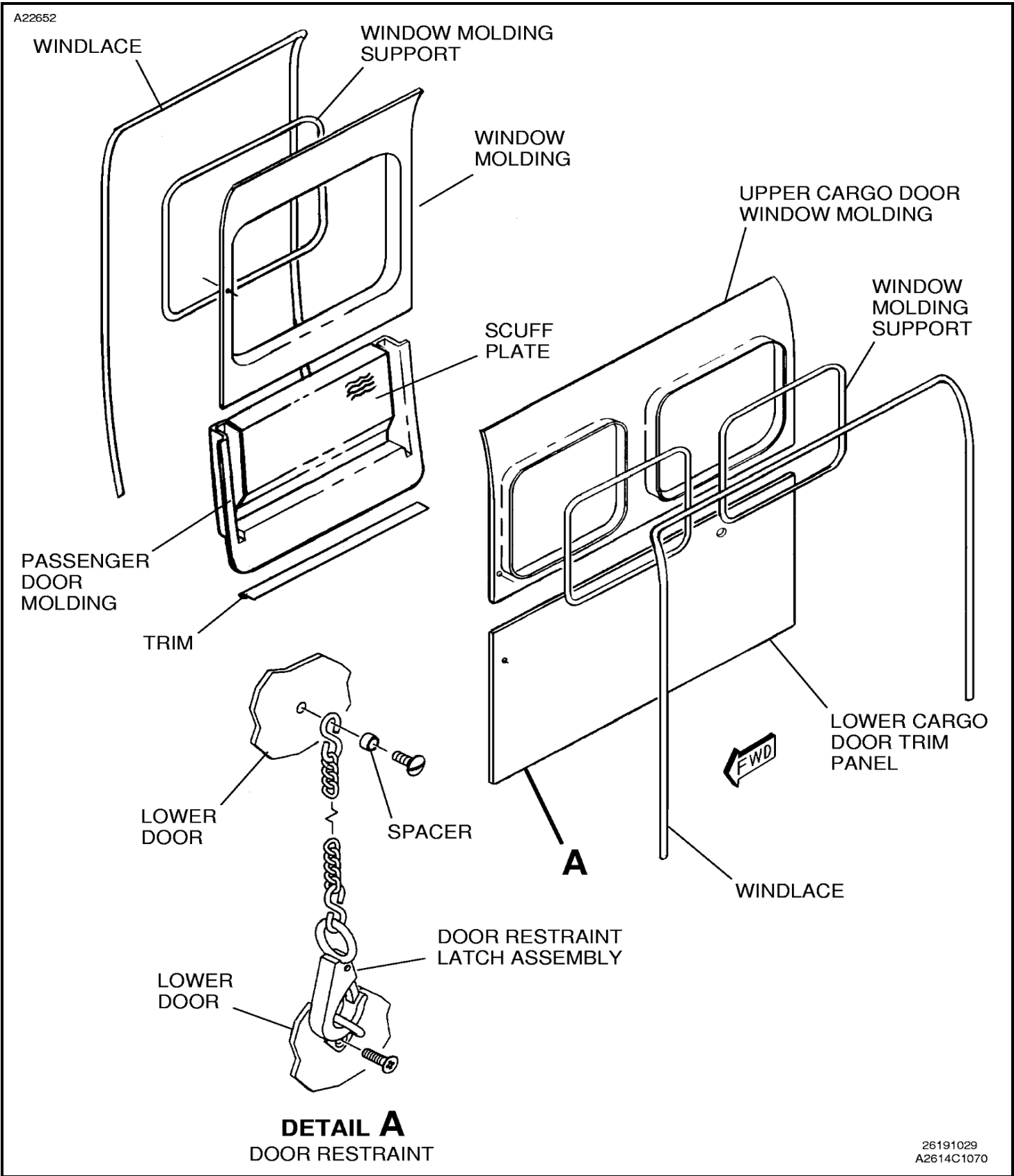


Figure 205 : Sheet 1 : Hard Shell Headliner Installation

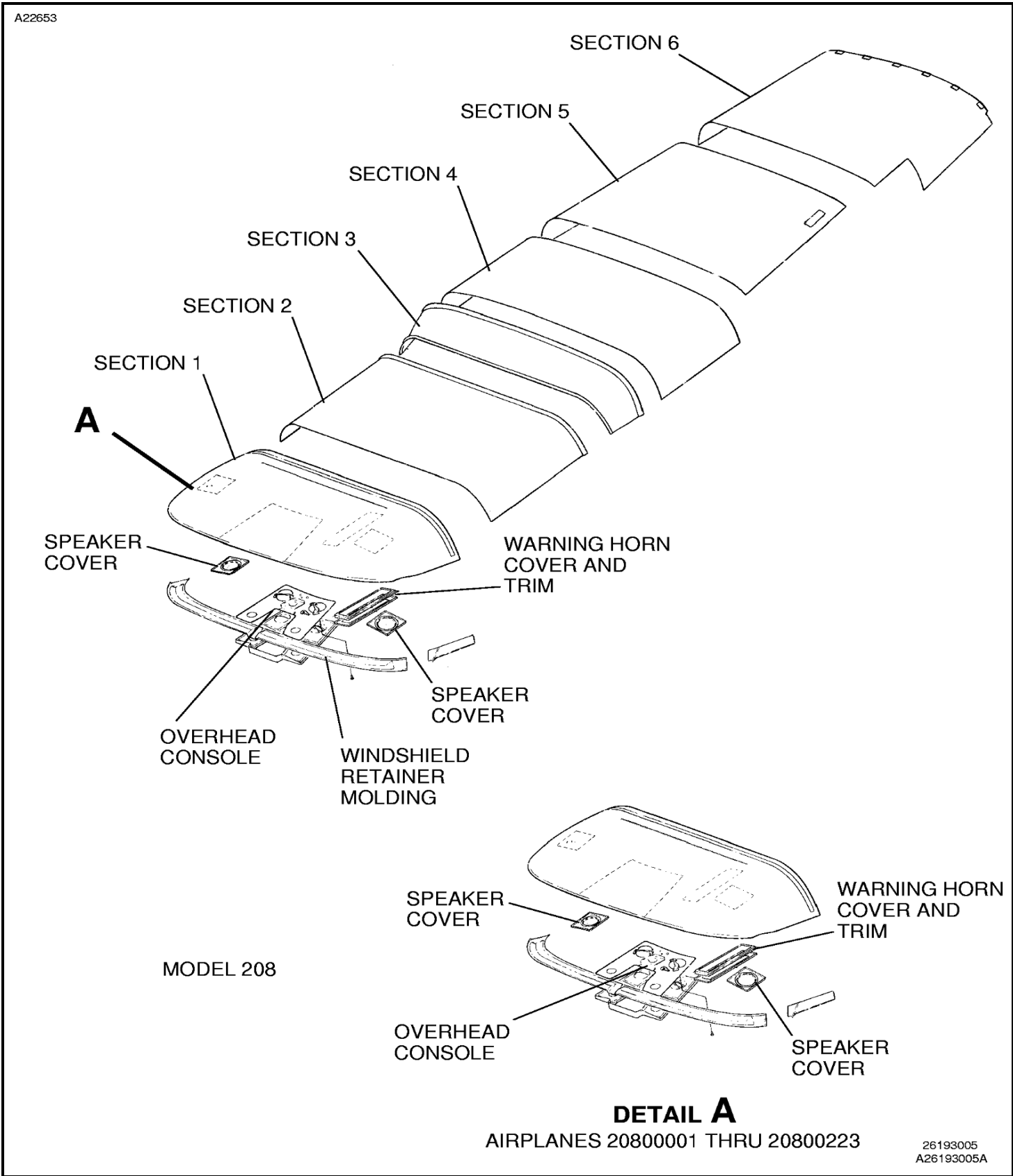
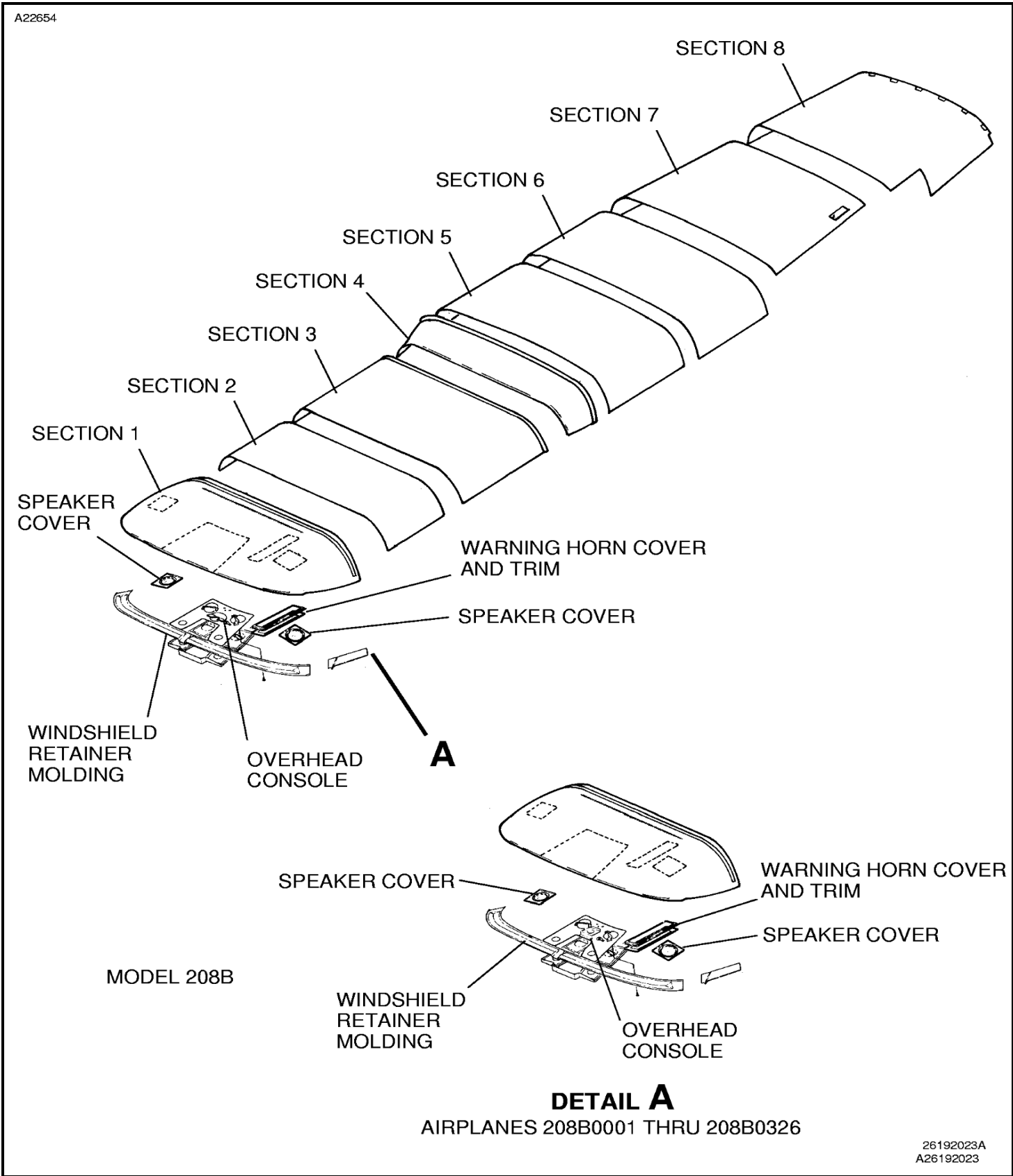


Figure 205 : Sheet 2 : Hard Shell Headliner Installation



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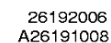
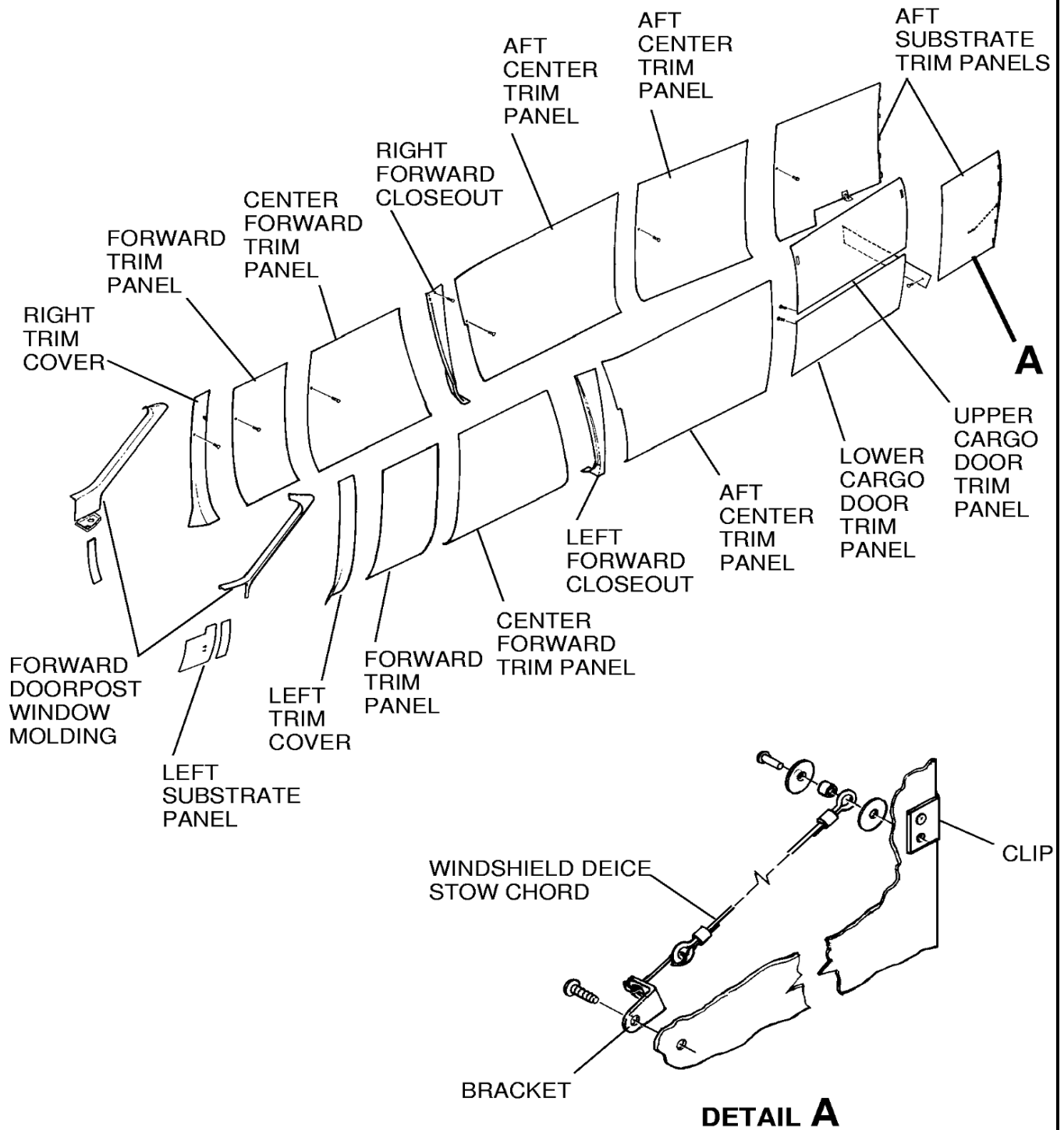


Figure 206 : Sheet 2 : Hard Shell Side Panels and Trim Installation

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MODEL 208B

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