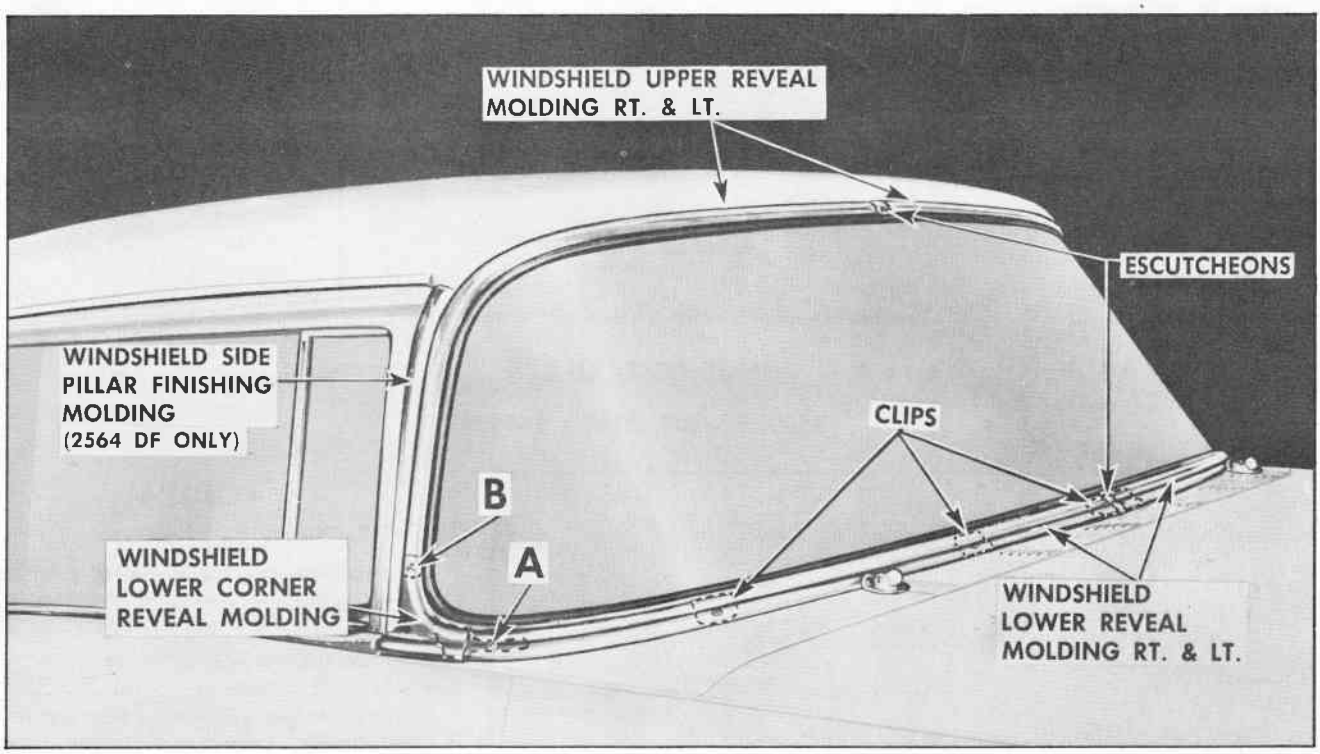
# WINDSHIELD ASSEMBLY

## 2562, 2562DF, 2563F, 2564DF

The 1955 Pontiac incorporates a new large one-piece windshield which is retained in the windshield opening by a one-piece rubber channel. Other new features include a windshield drain gutter with a drain hose at each end, a newly designed instrument panel and new windshield reveal and garnish moldings.




## WINDSHIELD REVEAL MOLDINGS

### 2562, 2562DF, 2563F, 2564DF

The illustration above shows the windshield reveal moldings installed to the body. Also shown are the names of the reveal moldings and the location of the retaining clips.

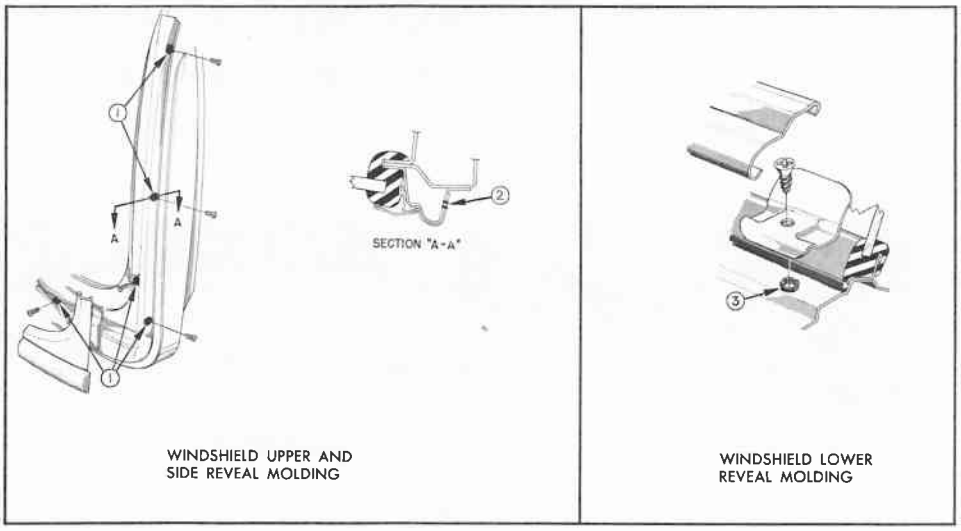
### REMOVAL AND INSTALLATION

1. Apply masking tape to body at areas adjacent to windshield lower reveal moldings.
2. Remove wiper blade and arm assembly from each transmission.
3. Remove transmission escutcheon spanner nut and escutcheon from each transmission.
4. With suitable tool, carefully snap off escutcheon from junction of lower reveal moldings to expose clip attaching screw.
5. Remove screw securing retaining clip under escutcheon and slide clip into either molding.
6. On inside of body beneath instrument panel, remove nut and washer securing each windshield lower reveal molding clip located between transmission and lower corner reveal molding. NOTE: On early production bodies this clip is secured with screw installed on outside of body.
7. Carefully slide lower reveal molding approximately 1-1/2' toward center-line of body. NOTE: At this location, reveal molding lower flange is cut out to permit disengagement of lower edge of molding from clip located between transmission and center-line of body.
8. Disengage molding from clip and remove from body. NOTE: On early production bodies which have the outboard clip secured with a screw, slide molding toward center-line of body until end of molding is disengaged from clip.
9. Remove screw "A" and screw securing tab at rear lower corner of corner reveal molding, then slide molding downward and remove from body. Remove screw "B" securing lower end of upper reveal molding. Repeat steps 7 through 9 on opposite side of body.
10. On 2564DF styles, remove three (3) screws securing windshield side pillar finishing molding and carefully pry off molding.

NOTE: The windshield upper reveal moldings are secured in the windshield rubber channel by a tee flange and can be removed after the windshield glass and rubber channel are removed from the body.

11. To install moldings, reverse removal procedures and seal molding attaching screw holes as follows:

a. Apply medium-bodied sealer to screw holes indicated at one (1) in drawing.
b. Apply sealer inside of holes as indicated at two (2) in section "A-A".
c. Apply medium-bodied sealer around lower reveal molding clip attaching holes indicated at three (3).

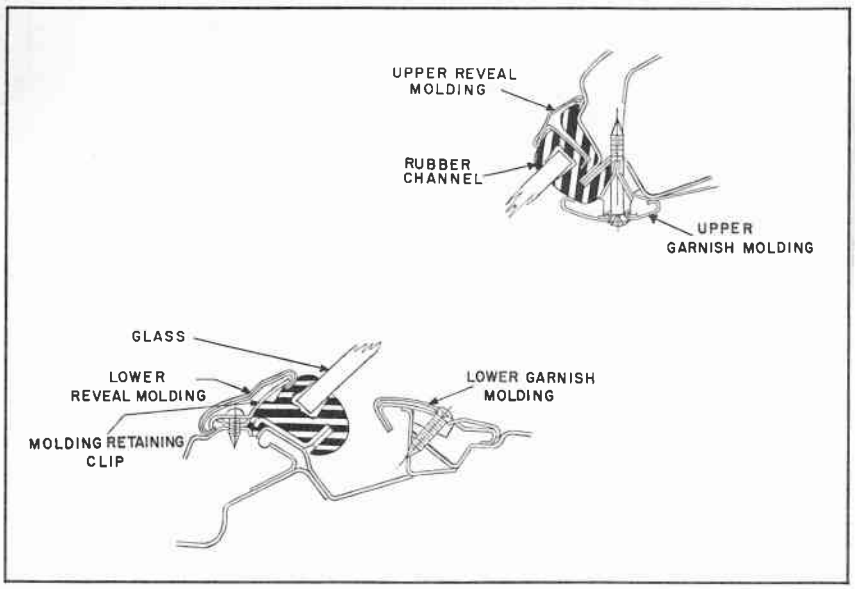



WINDSHIELD UPPER AND SIDE REVEAL MOLDING

WINDSHIELD LOWER REVEAL MOLDING

## WINDSHIELD GLASS

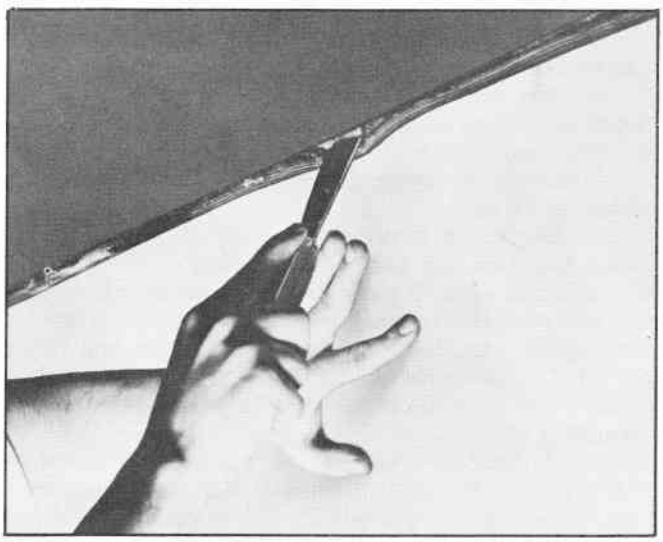
### 2562, 2562DF, 2563F, 2564DF




### REMOVAL

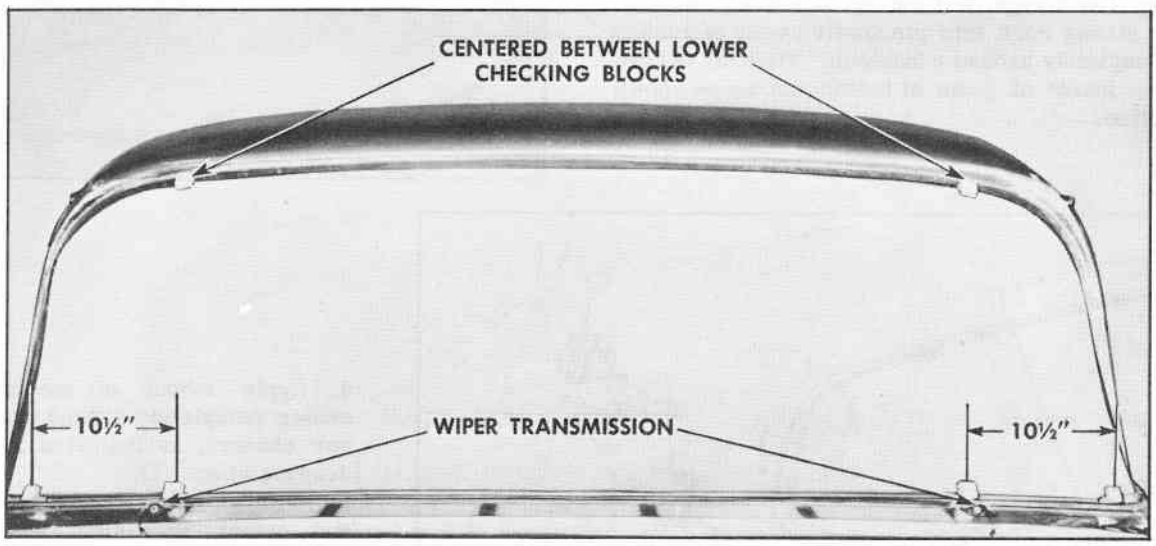
1. Place protective covering over hood, front fenders, instrument panel and front seat assembly. NOTE: The opposite drawing shows a typical section of the windshield assembly.
2. On inside of body, remove windshield side, upper and lower garnish moldings and rear view mirror support.
3. Remove windshield lower reveal and corner reveal moldings, then remove screw securing lower end of upper reveal moldings. See "Windshield Reveal Moldings."

4. Remove screws securing lower reveal molding attaching clips and remove clips from body.
5. On inside of body, loosen lip of rubber channel from pinchweld flange along top and sides of windshield as follows:
With palm of hand apply pressure to edge of glass as shown. At same time, use a putty knife or other suitable tool and carefully assist lip of rubber channel over pinchweld flange.
6. After windshield rubber channel is free from pinchweld flange, obtain aid of helper and lift windshield assembly from body opening. Place windshield on covered bench.
7. Remove windshield upper reveal moldings by disengaging tee flange of molding from windshield rubber channel.
8. Remove channel from glass.



# CHECKING THE BODY WINDSHIELD OPENING

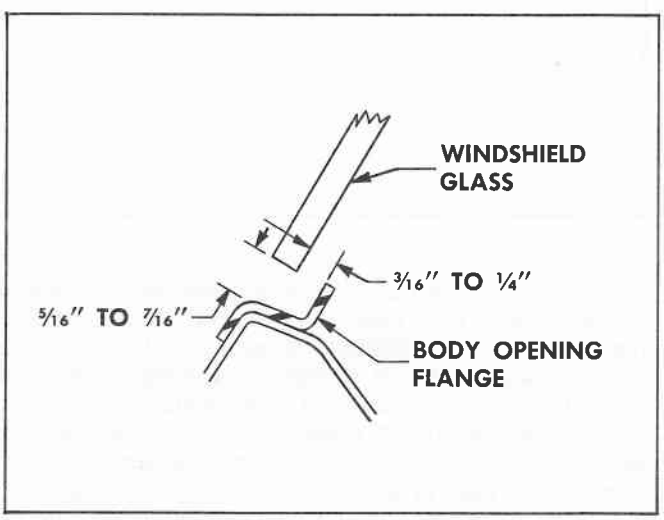
Due to the size and contour of the new windshield, it is important that the body windshield opening be checked thoroughly before the installation of a replacement windshield glass. The procedure below outlines the method which may be used to check the windshield opening.



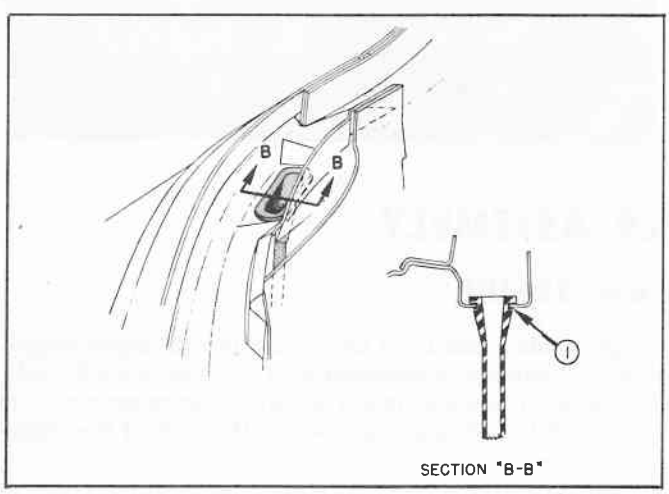

1. Check windshield rubber channel for any irregularities.
2. Clean off old sealer from around windshield opening and check entire body opening flange.
3. Check new windshield glass to opening by supporting glass with six wooden spacers as shown in illustration. CAUTION: Care should be exercised to make certain that glass does not strike body metal during this temporary installation. Edge chips can lead to future breaks.
4. With windshield glass supported and centered in opening by spacers, check relationship of glass to body opening around entire perimeter of glass.

The drawing opposite shows typical section taken through glass channel and body opening. Check glass to body relationship as follows:

a. Inside surface of glass should be uniform distance from body flange. Dimension should be from 3/16" to 1/4".




b. Outer edge of glass should be uniform distance from body metal, measured in plane of glass. Dimension should be from 5/16" to 7/16".
5. Mark any sections of body to be re-formed, remove glass and re-form opening as required.
6. Check windshield opening again as outlined in step 4. Then MARK GLASS AND BODY so that glass can be accurately centered in opening when installed.



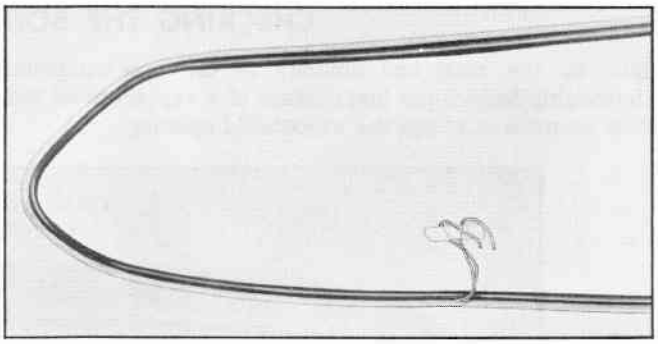

## WINDSHIELD GLASS

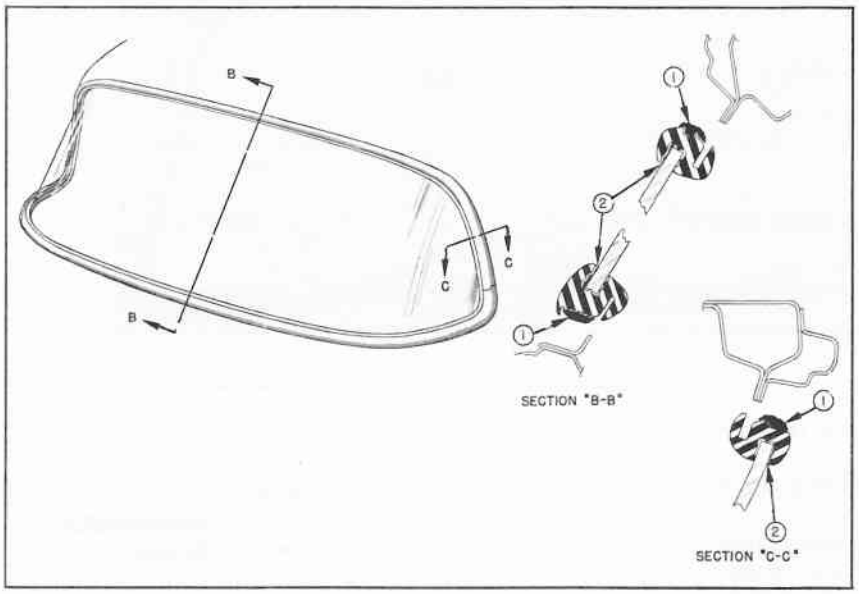
### INSTALLATION

1. Check windshield drain gutter and drain hose at each end of gutter for any obstructions, and clean out if necessary.

Drawing shows drain hose at end of windshield drain gutter. Section "B-B" shows sealing of drain hose at one (1).

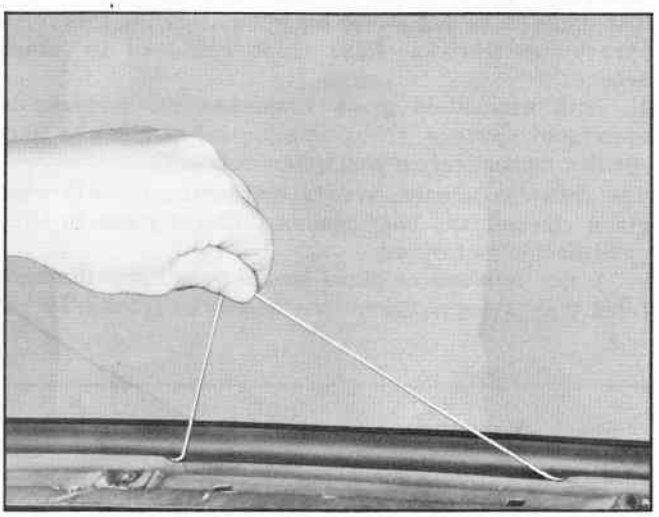
2. Locate center-line of windshield glass. Assemble rubber channel to glass with groove for windshield upper reveal molding located on top edge of glass. Install upper reveal moldings. NOTE: To facilitate installation of reveal moldings, apply mild soap solution to molding tee flange and cavity in rubber channel.
3. Insert strong cord into pinchweld cavity of rubber channel completely around windshield. Tie ends of cord and tape to inside of glass at bottom center as shown in illustration.






4. Apply ribbon of medium-bodied sealer completely around base of rubber channel, as indicated in opposite drawing at one (1).
5. With aid of helper, carefully place and center windshield assembly in windshield opening.

6. While pressing firmly from outside, have helper on inside slowly pull cord from lower center to each lower corner of windshield to seat lip of rubber over flange along bottom of windshield opening. Then pull cord along both sides and top of windshield.
7. Seal outside lip of rubber channel to glass around perimeter of windshield, using weatherstrip cement. Location of seal is shown at two (2) in drawing above.
8. Clean off excess sealer and cement using mineral spirits. Reinstall previously removed parts.
9. Remove protective covering.



# WINDSHIELD WIPER ASSEMBLY

## 2562, 2562DF, 2563F, 2564DF

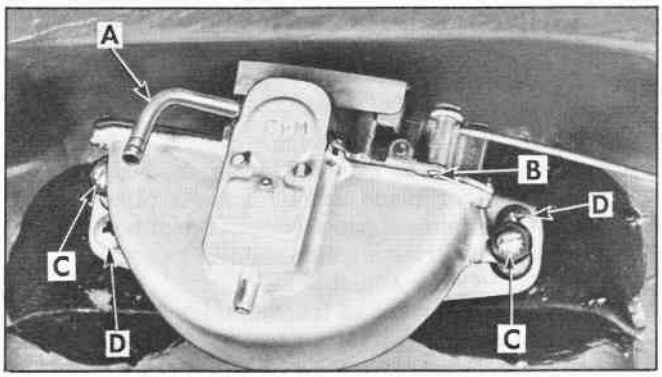
The windshield wiper assembly consists of a vacuum-powered wiper motor, auxiliary drive, and two (2) wiper transmissions which are operated by a cable drive. Each transmission assembly is designed with "spring-loaded" pulleys that when released automatically adjust wiper cable tension. The wiper motor auxiliary drive assembly is installed to the forward side of the dash panel and is designed with two (2) pulleys to which the ends of the transmission cables are attached.

## WINDSHIELD WIPER MOTOR

### 2562, 2562DF, 2563F, 2564DF

### REMOVAL AND INSTALLATION

1. Detach vacuum line from connector at "A".
2. Loosen screw "B" and detach control cable from wiper motor.
3. Remove screws indicated at "C" and remove motor from auxiliary drive.
4. To install, reverse removal procedure. Make sure control cable is correctly positioned for proper valve operation.

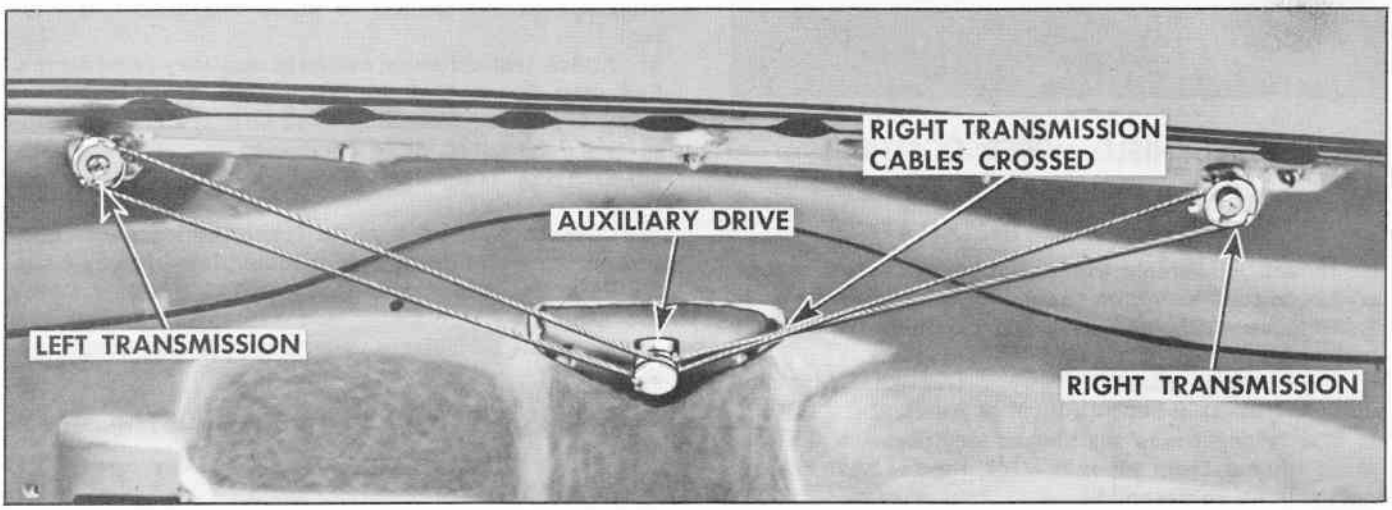



## WINDSHIELD WIPER MOTOR AND AUXILIARY DRIVE ASSEMBLY

### 2562, 2562DF, 2563F, 2564DF

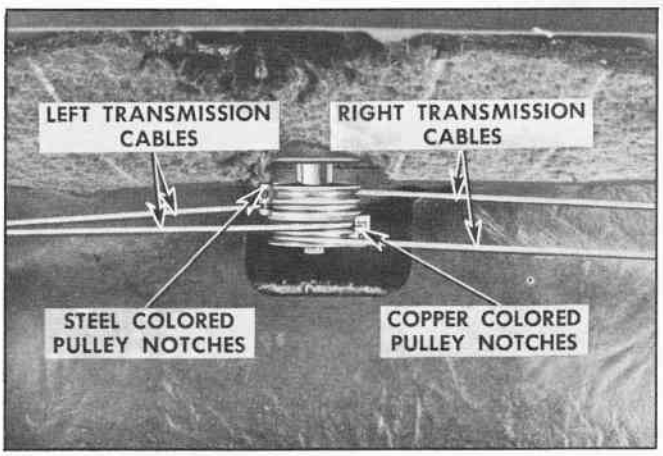
### REMOVAL

1. Remove instrument panel compartment box.
2. Adjust cables to slack position. See "Cable Adjustment."
3. Observe attachment of cables to auxiliary drive, then detach cables from pulleys. IMPORTANT: Note how right transmission cables are crossed.
4. At front of dash panel, disconnect vacuum line and control cable from wiper motor, then remove two (2) screws indicated at "D" in illustration above and remove wiper motor and auxiliary drive assembly from body.




### INSTALLATION

1. Connect vacuum line and control cable to wiper motor.
2. Assemble wiper motor and auxiliary drive to dash panel and secure with two (2) attaching screws.
3. Inside of body, attach transmission cables to auxiliary drive pulleys as shown in illustration. IMPORTANT: Cross right transmission cables as shown in illustration above, then connect copper-colored cable ends to copper-colored notches on pulley, and steel-colored cable ends to steel-colored notches on drive pulley.
4. Adjust cables to required tension. See "Cable Adjustment."
5. Operate wiper motor and check entire wiper mechanism, then install instrument panel compartment box.



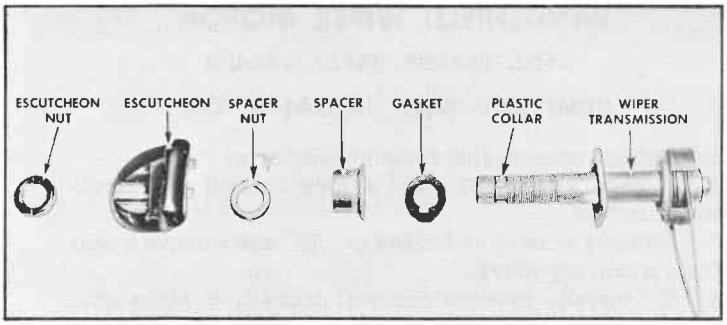
## WINDSHIELD WIPER TRANSMISSIONS

### 2562, 2562DF, 2563F, 2564DF

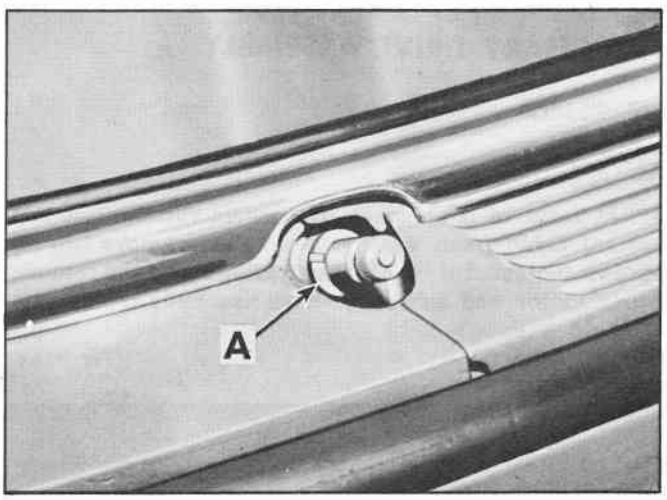
### REMOVAL

The illustration shows a wiper transmission with component parts removed from the body.

1. Remove wiper blade and arm assemblies.
2. Remove instrument panel compartment box.
3. Adjust wiper transmission cables to slack position. See "Cable Adjustment."
4. Observe attachment of transmission cables to auxiliary drive, then disconnect cables from pulleys.




5. On outside of body at each transmission, remove escutcheon spanner nut. Lift escutcheon from body, disconnect washer hose and remove escutcheon.
6. At each transmission, remove the transmission spacer spanner nut indicated at "A" and remove spacer.
7. On inside of body, pull each transmission down through shroud panel and remove from body.




### INSTALLATION

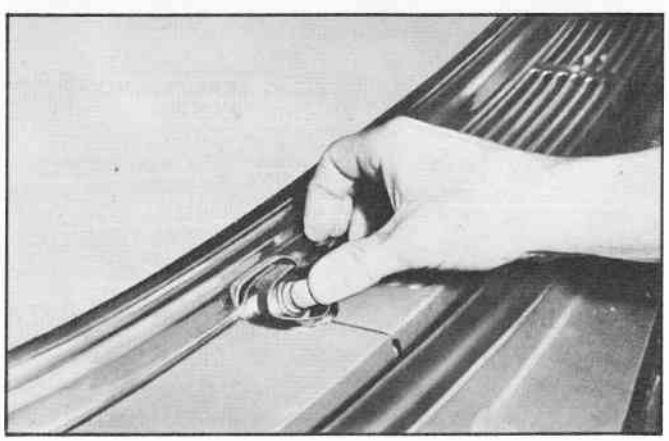
1. Install gasket to each transmission. Apply medium-bodied sealer around transmission shaft to gasket surface contacting metal.
2. Position each transmission assembly in body, install spacer and secure in place with spacer spanner nut.
3. Attach transmission cables to auxiliary drive drums. See step 3 and 4 of the Windshield Wiper Motor and Auxiliary Drive Assembly. NOTE: If new transmission is being installed, it is necessary to remove plastic collar from transmission before cables can be tensioned.
4. Connect washer hose to transmission escutcheon and secure escutcheon with chrome plated spanner nut.
5. Reinstall wiper blade and arm assemblies. Check operation of wiper motor and transmission assembly.
6. Reinstall instrument panel compartment box.

## WINDSHIELD WIPER CONTROL

### 2562, 2562DF, 2563F, 2564DF

### REMOVAL AND INSTALLATION

1. Detach windshield wiper control cable from motor.
2. Loosen set screw on control knob and remove knob.
3. Remove spanner nut and escutcheon from wiper control shaft.
4. Push wiper control forward through instrument panel and lower it beneath level of panel.
5. Tag wiper hoses for proper identification and disconnect them from wiper control, then remove control and cable as an assembly.
6. To install, reverse removal procedure. Make sure control cable is correctly positioned at motor for proper valve operation.



## TRANSMISSION CABLE ADJUSTMENT

### 2562, 2562DF, 2563F, 2564DF

The transmission cables are tensioned by "spring-loaded" pulleys. When the end of the transmission shaft is pushed "in" as shown in the illustration, the spring-loaded pulleys unlock and tension the cables. To obtain slack in the wiper transmission cables, proceed as follows:

1. Push "in" base of wiper arm, where arm fits over transmission shaft, to unlock spring loaded pulleys. If wiper arm has been removed, push in end of transmission as shown in illustration.
2. While pulleys are unlocked, have helper on inside of car pull cable to obtain slack. When sufficient slack is obtained, release end of transmission shaft to lock cables in slack position.
3. To restore tension in cables, push "in" on end of transmission shaft. Repeat operation on opposite transmission. NOTE: Loose cables cause blade slap or over-travel at end of stroke. If this condition exists, adjust tension of cables as outlined in step 3 above.

# INSTRUMENT PANEL ASSEMBLY

The 1955 Pontiac incorporates a newly designed instrument panel with the compartment box located at the center of the panel. An instrument panel cover trim assembly which consists of a fiber glass foundation and fabric cover is available as an option. The cover is cemented in place along the rear edge; the front edge of the cover is secured in place by a two (2) piece metal retainer located beneath the lower garnish moldings.

## INSTRUMENT PANEL COVER TRIM ASSEMBLY

### STATION WAGON STYLES EQUIPPED WITH INSTRUMENT PANEL COVER

#### REMOVAL

1. Remove side and lower garnish moldings.
2. Along front edge of instrument panel cover remove screws securing cover retainers and remove retainers.
3. At each end of instrument panel, remove instrument panel cover side retainer.
4. Along rear edge of cover, remove or loosen instrument panel parts as required to remove cover.
5. Carefully detach cover from rear edge of instrument panel and remove from body.

#### INSTALLATION

1. Clean up and thoroughly dry cementing surfaces on instrument panel.
2. Apply trim cement to rear edge of cover and corresponding surface on instrument panel. Allow cement to become tacky.
3. Carefully position cover assembly on instrument panel, then press cemented edge to instrument panel. Reinstall cover retainers.
4. Reinstall instruments and moldings, and clean up excess trim cement.

## INSTRUMENT PANEL COMPARTMENT DOOR

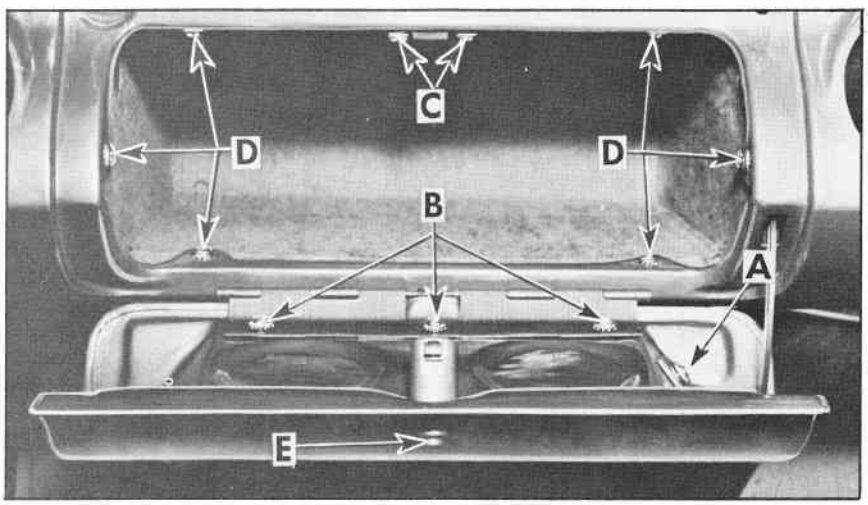
### 2562, 2562DF, 2563F, 2564DF

#### REMOVAL AND INSTALLATION

1. Open door and with pencil scribe location of hinge on door.
2. Remove hinge attaching screws at door or instrument panel attaching side, and two (2) screws indicated at "A", then remove door.
3. To install, position door within hinge scribe marks and reinstall attaching screws.

#### ADJUSTMENTS

1. To adjust closed position of door up or down, loosen screws "B", adjust door as required and tighten screws.
2. To adjust door from side to side, loosen compartment door male hinge strap attaching screws, which are located beneath instrument panel. Adjust door as required and tighten screws.
3. To adjust compartment door lock striker, loosen two (2) screws indicated at "C", adjust door as required, then tighten screws.




## INSTRUMENT PANEL COMPARTMENT BOX

### 2562, 2562DF, 2563F, 2564DF

#### REMOVAL AND INSTALLATION

1. Remove screws indicated at "D" in illustration above.
2. Move box forward and downward, and remove from instrument panel.
3. To install, reverse removal procedure.

## INSTRUMENT PANEL COMPARTMENT DOOR LOCK KNOB

### 2562, 2562DF, 2563F, 2564DF

#### REMOVAL AND INSTALLATION

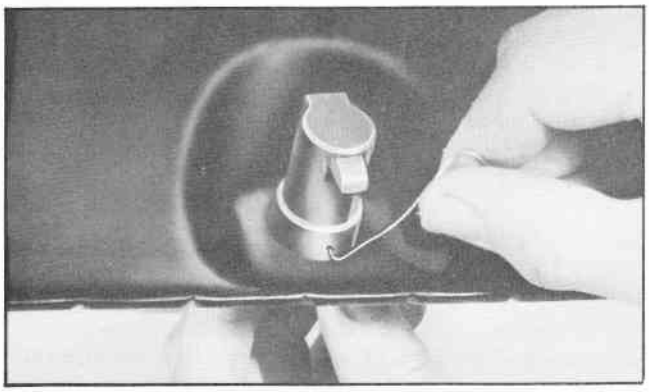
1. Remove door lock cylinder.
2. With suitable tool, unscrew lock knob escutcheon indicated at "E" in illustration above, and remove escutcheon and lock knob.
3. To install, reverse removal procedure.

## INSTRUMENT PANEL COMPARTMENT DOOR LOCK CYLINDER

### 2562, 2562DF, 2563F, 2564DF

### REMOVAL AND INSTALLATION

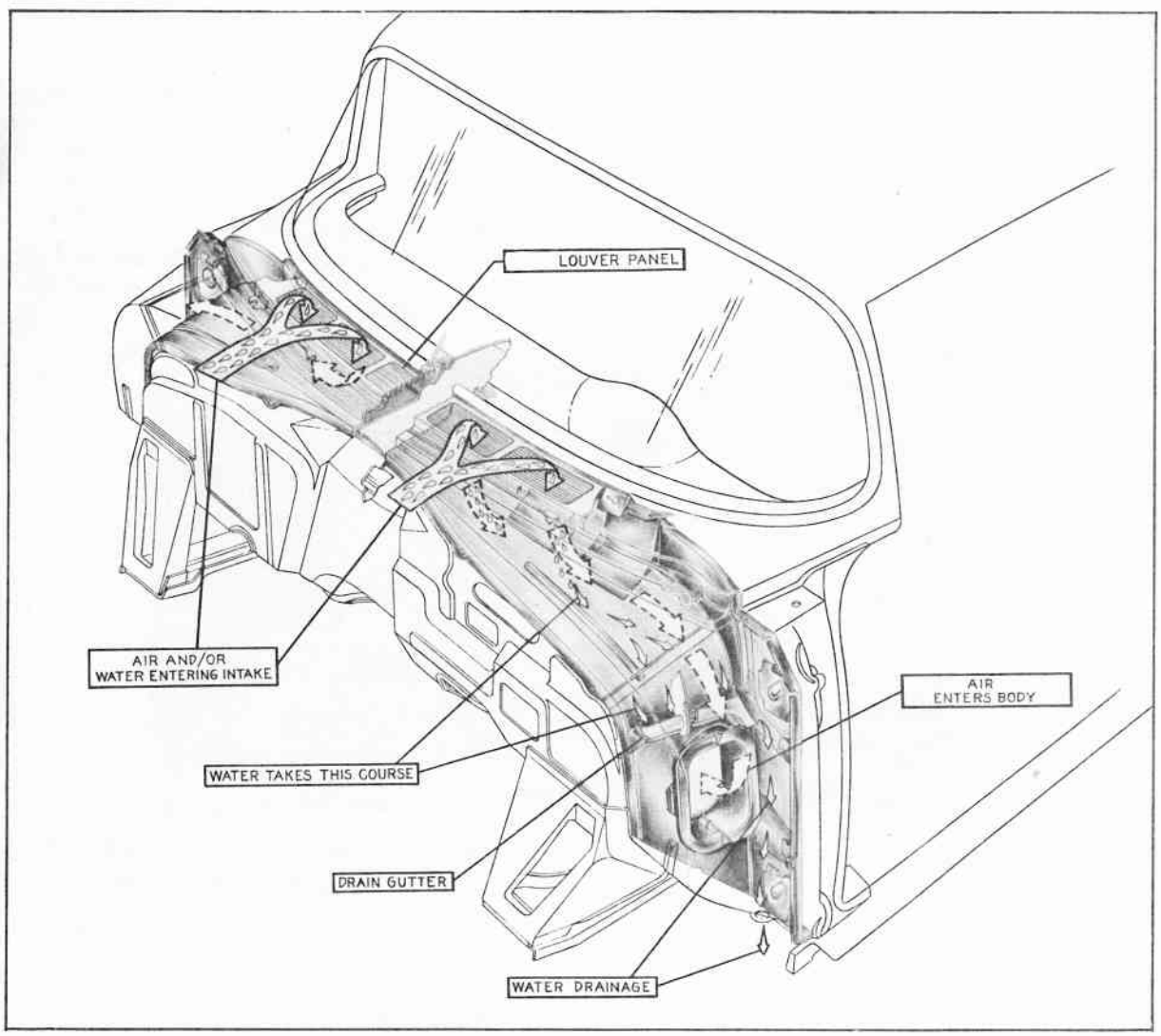
1. With suitable tool, depress #1 tumbler of cylinder as shown in illustration and remove cylinder.
2. To install, reverse removal procedure.



## SHROUD VENTILATING SYSTEM

### 2562, 2562DF, 2563F, 2564DF

The 1955 Pontiac incorporates a new ventilating system with an air intake louver panel located on top of the shroud. The air entering the shroud top ventilator louver panel flows through a duct which guides the air into the body through an opening at each shroud side duct panel. The flow of air into the body is regulated by a valve in each shroud side opening; each valve is adjusted by the use of a cable and control knob. Water entering the inlet louver panel into the duct flows down the shroud side duct panel into a drain gutter which directs the water out of the body.

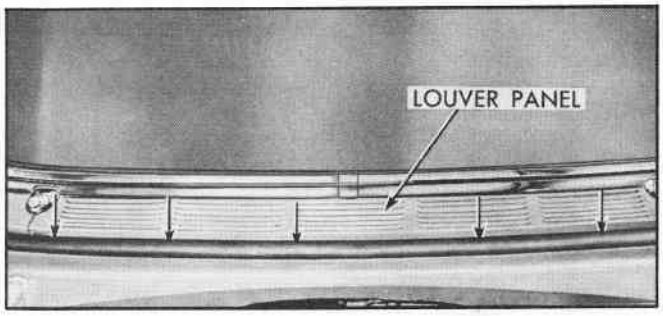


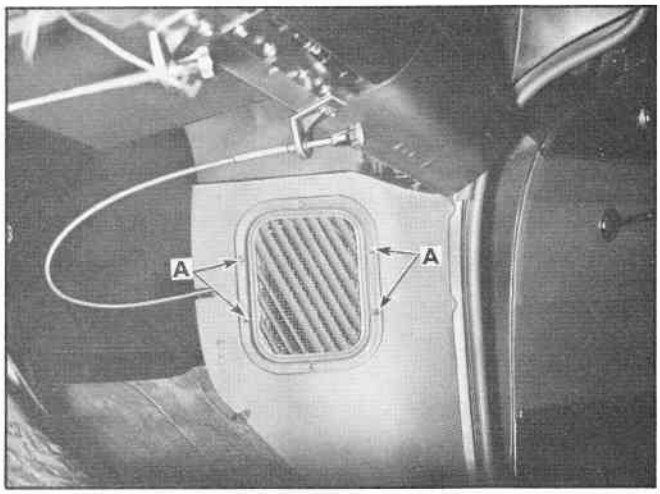
## SHROUD TOP VENTILATOR LOUVER PANEL

**2562, 2562DF, 2563F, 2564DF**

**REMOVAL AND INSTALLATION**

1. Remove windshield lower reveal molding. See "Windshield Lower Reveal Moldings."
2. Remove lower reveal molding retaining clip located on louver panel.
3. Lift up hood and remove screws indicated by arrows in illustration, then remove panel from body.
4. To install, reverse removal procedure.




## SHROUD DUCT PANEL AIR GRILLE

**2562, 2562DF, 2563F, 2564DF**

**REMOVAL AND INSTALLATION**

1. Remove six (6) screws securing grille to shroud side foundation, and remove grille and screen.
2. To install, reverse removal procedure.

## SHROUD SIDE FOUNDATION

**2562, 2562DF, 2563F. 2564DF**

**REMOVAL AND INSTALLATION**

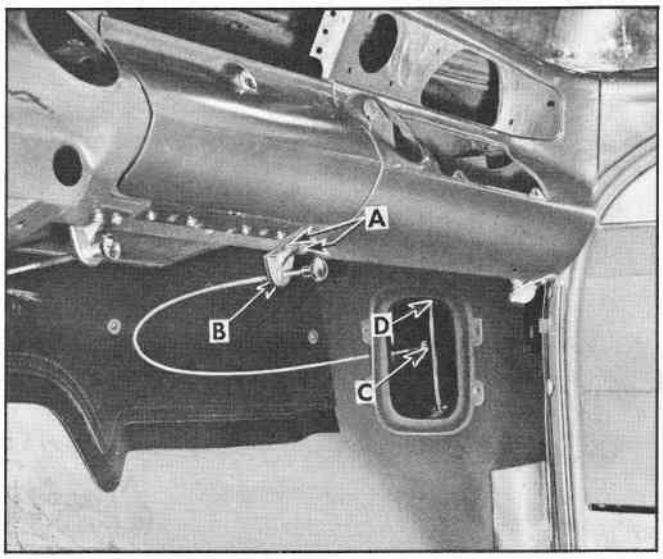
1. Bend open tabs securing panel along toe pan.
2. Remove four (4) screws "A", disengage rear edge from retainer and remove side foundation.
3. To install, reverse removal procedure.

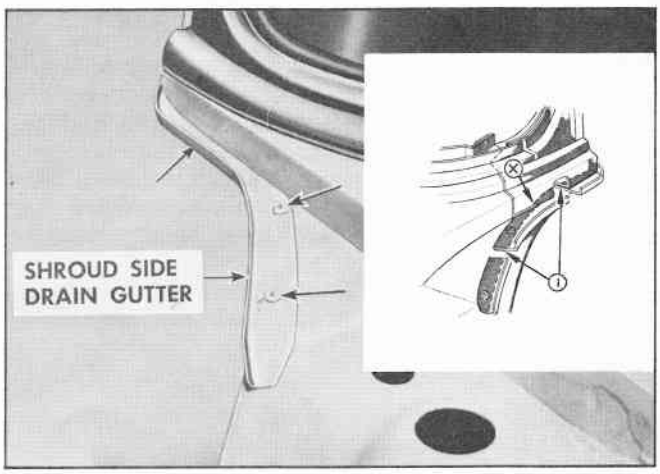
## AIR VENT CONTROL ASSEMBLY AND OUTLET DOOR

**2562, 2562DF, 2563F, 2564DF**

**REMOVAL AND INSTALLATION**

1. Remove shroud side foundation.
2. Remove two (2) screws indicated at "A", or nut at "B".
3. Remove clips securing control cable, then disengage end of cable from door at "C" and remove from body.
4. To remove door from outlet, pry hinge pin at "D" downward and remove door. On left door, pry lower hinge pin upward to remove door.
5. To install, reverse the removal procedure.




## SHROUD SIDE DRAIN GUTTER

**2562, 2562DF, 2563F, 2564DF**

A shroud side drain gutter is located on the right and left shroud side panel adjacent to the door opening as shown in the illustration opposite.

**REMOVAL AND INSTALLATION**

1. Remove the three (3) screws indicated by arrows and remove gutter.
2. To install, reverse the removal procedure. Apply body caulking compound between gutter and body metal as indicated at one (1) in inset. Be sure that seal is continuous at area marked "X".