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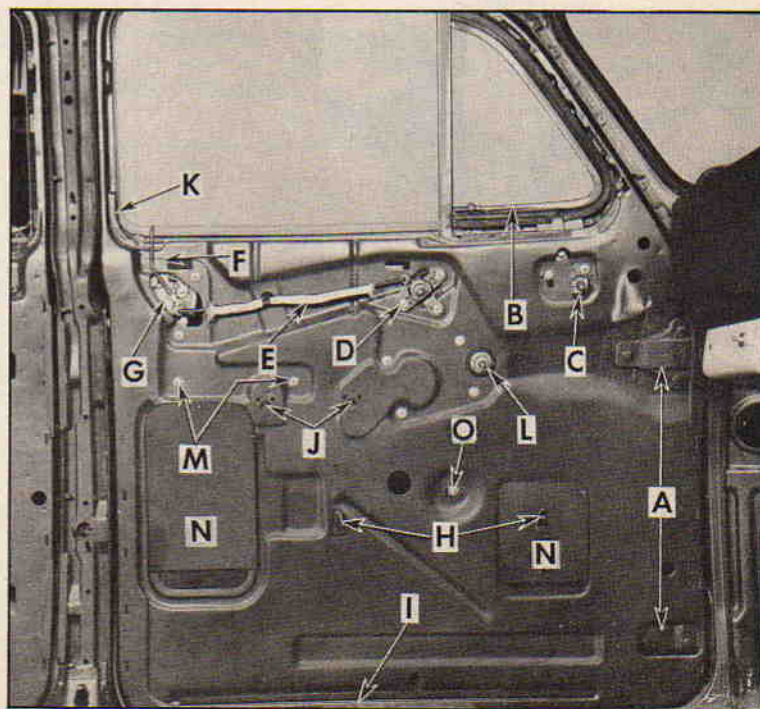
DOOR PARTS, SEATS AND TRIM ASSEMBLY REMOVAL OPERATIONS

1953 PONTIAC CLOSED BODY STYLES

The illustration below which may be used for reference purposes, indicates the names and location of door hardware parts on a typical 1953 closed body style door. The covered openings shown at "N" in the illustration are referred to in the industry as "loading holes" and are used for the installation of door inner hardware parts.

The metal construction of the door consists mainly of a one-piece outer and inner door panel which together with reinforcements and stiffeners are welded together along their flanged edges to form a complete door unit including the pillar sections of the door. Access to the inner panel section of the door for hardware removal or adjustment is attained by removing the door trim pad.

- A. Door hinge assembly
- B. Door ventilator assembly
- C. Door ventilator regulator assembly
- D. Door lock remote control assembly
- E. Door lock remote control connecting rod
- F. Door inside locking rod
- G. Door lock assembly
- H. Door trim pad retaining tabs
- I. Door trim pad retainer
- J. Door arm rest attaching parts
- K. Door glass run channel
- L. Door window regulator assembly
- M. Door window regulator stationary cam attaching screws
- N. Door inner panel loading hole covers
- O. Ventilator division channel adjusting stud



FRONT DOOR ASSEMBLY

Front door hinges on 1953 closed body styles are of the swing-out box type design and contain an integral leaf type door check and "hold-open." In the removal of the front door from the body, two methods may be used. The easy method of door removal is to detach the hinges from the front body pillar and lift the door out of the opening. The other method, depending upon the nature of the service operation being performed is to remove the door trim pad and detach the hinges where bolted to the door inner panel. Both methods of door removal are illustrated and described below.

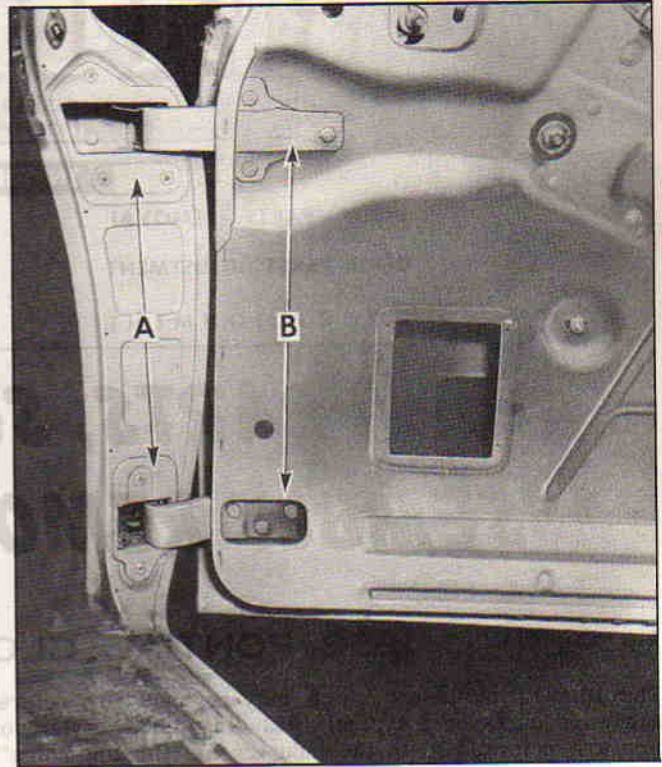
REMOVAL

DOOR AND HINGE ASSEMBLY FROM BODY

1. Apply masking tape along door opening edges of hood and front fender to protect the finish, then open door and scribe hinge box locations on the front body pillar so that hinges can be reinstalled in the same location.
 2. With door supported, remove hinge to front body pillar attaching screws at points "A", some of which are concealed within the hinge box.
 3. With the aid of a helper, remove door and attached hinges from body.
- NOTE: The door check and hold-open are built into both hinges.

DOOR FROM HINGE STRAP

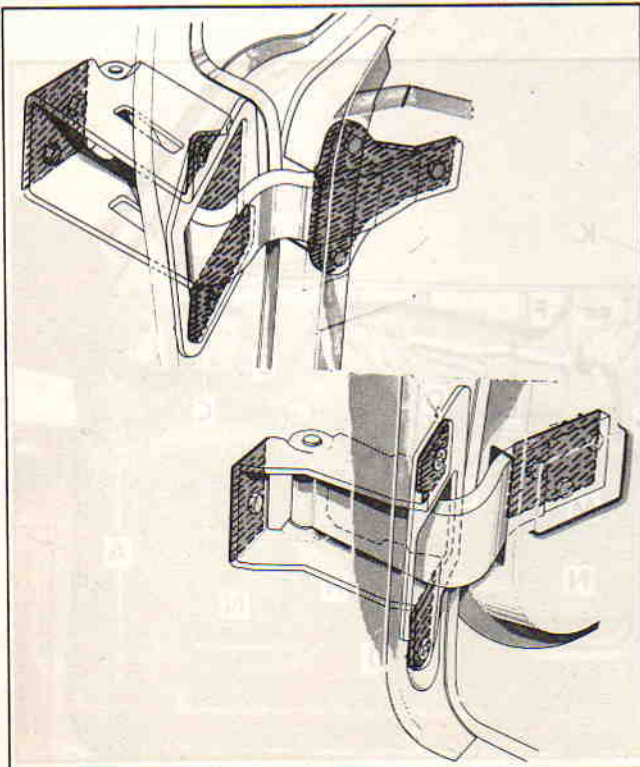
1. Remove door trim pad (see Door Trim Pad Removal).
2. With door in an open position and adequately supported, scribe each hinge location where strap is secured to door, and remove the six (6) hinge to door attaching screws at points "B".
3. With the aid of a helper, carefully slide door from hinge straps so as not to damage metal at door hinge pillar cut-outs.



INSTALLATION

1. As an anti-squeak precaution, before installation of the door, coat all attaching surfaces of the hinges with 3-M Autobody Sealer or its equivalent as indicated in the shaded areas of the opposite drawing.
2. If door assembly has been removed from the front body pillar, place it back in position (with the aid of a helper) so that hinges are within the scribe marks originally made on the body pillar. Install and tighten hinge screws at "A", (upper illustration) then check door for proper alignment.
3. If door hinge straps have been removed from door, slide door over hinge straps (with the aid of a helper) so that hinge straps are within the scribe marks originally made on the door. Install and tighten hinge strap screws at "B", upper illustration then check door for proper alignment. After all alignment adjustments have been performed, install door trim pad.

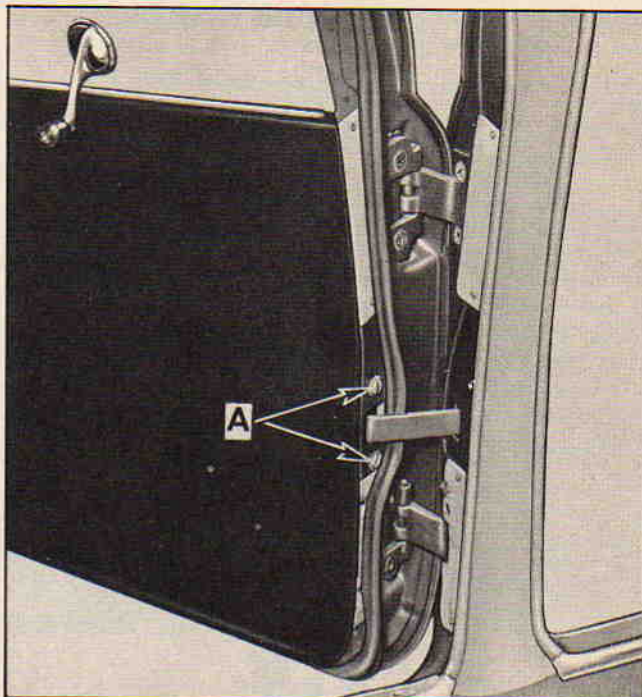
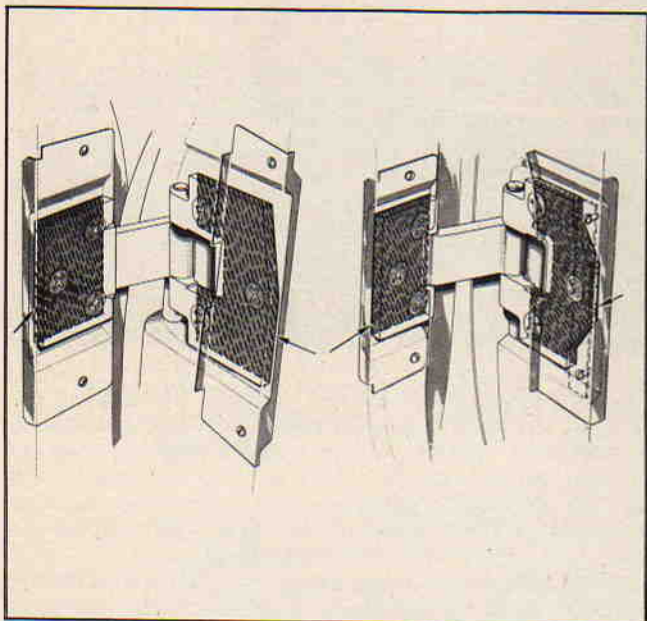
NOTE: The doors on all Fisher Bodies may be adjusted through the use of adjustable cage nuts located at the hinge attaching points on both the body pillars and the doors. Hence, if the door before removal is in proper alignment, the position of the hinges should be scribed or marked, so that door can be reinstalled to its original position. (see chapter on door alignment).



REAR DOOR ASSEMBLY

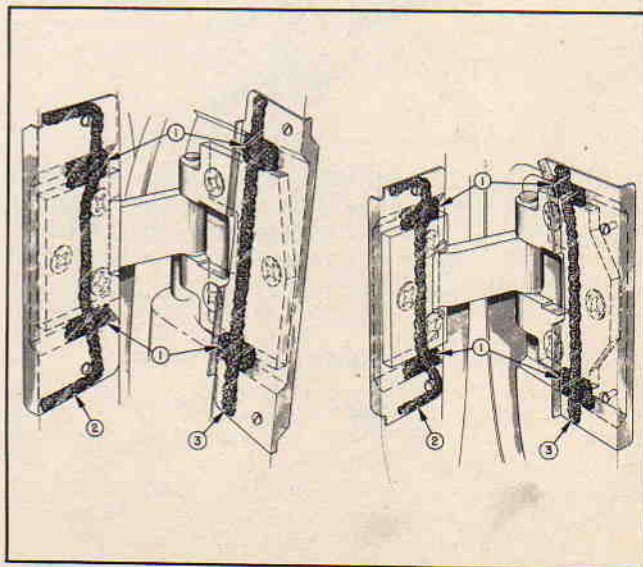
REMOVAL

1. Open rear door and remove hinge cover plates that partially conceal upper and lower hinges on the center pillar.
2. Clean off all excess sealing compound from around edges of each hinge strap; then, with a metal scriber, scribe the exact location of each hinge strap on the center pillar.
3. With a helper supporting door, remove the upper and lower hinge attaching screws, then swing door toward closed position to disengage curved end of check link from its support and roller unit on inner surface of door hinge pillar as indicated at "A" and remove door. **NOTE:** The rear door can be removed at either the body half or the door half of the hinge straps.



INSTALLATION AND HINGE SEALING

1. With a scraper and oleum spirits, clean off all old sealing compound from around hinge depressions in center body pillar. **BE CAREFUL NOT TO SOIL ADJACENT TRIM MATERIAL DURING THIS OPERATION.**
2. Apply a full coat of 3-M Autobody Sealer or its equivalent on pillar under entire areas to be covered by hinges. This will serve both as an anti-squeak and as a sealer. Indicated by arrows in opposite illustration are the upper and lower hinge areas requiring this compound.
3. With a helper, lift rear door into position, first engaging curved check link strap around roller unit with door in an almost closed position. Align hinges with scribe marks on pillar, then install hinge screws. Check alignment of door (see Door Adjustments).
4. After hinges have been installed and before hinge cover plates are placed in position along the edges of the hinges, all door hinges must be weathersealed in their depressions. Apply 3-M Autobody Sealer or its equivalent as follows:
 - a. In hinge depressions at top and bottom of hinge at (1). Use sufficient material to create a flush condition with top of hinge and normal surface of pillar, completely filling opening in this area. 3-M Caulking Compound or its equivalent may be used as an alternate at these locations.
 - b. To the underside of the hinge cover plates at (2) and (3) across both top and bottom and extending along outer edge.
5. Install hinge cover plates.

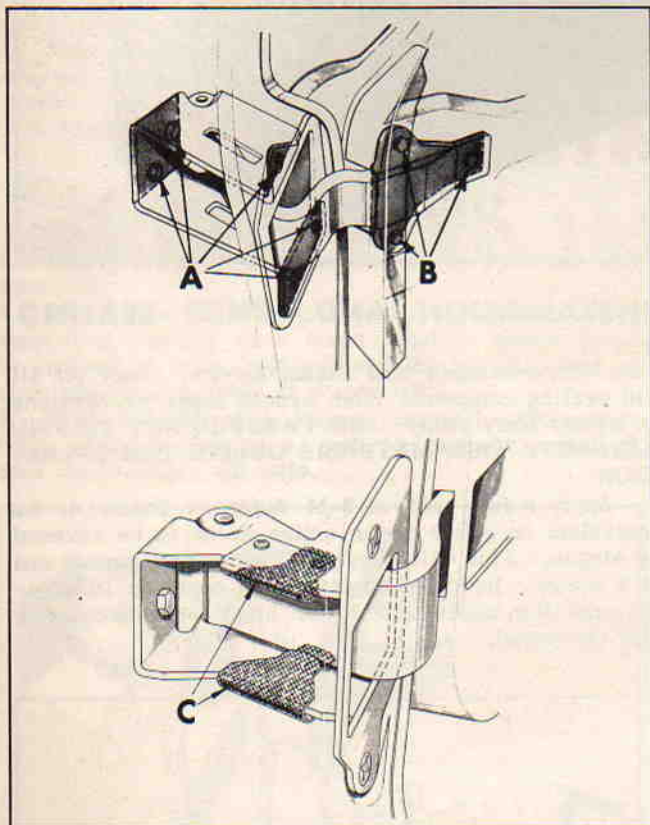


DOOR ADJUSTMENTS

In the manufacture of a Fisher Body, provision is made for the service adjustment of doors in the body door opening by means of slotted and oversize hinge bolt attaching holes or adjustable clinch nuts located in door and adjacent body hinge pillars. This adjustable door service feature allows for any slight readjustment of the door if needed. The following information explains the manner in which each hinge is adjusted. In addition, illustrations of exaggerated door misalignment conditions are also given, together with a description of the correction of each condition.

CHECKING FOR DOOR MISALIGNMENT

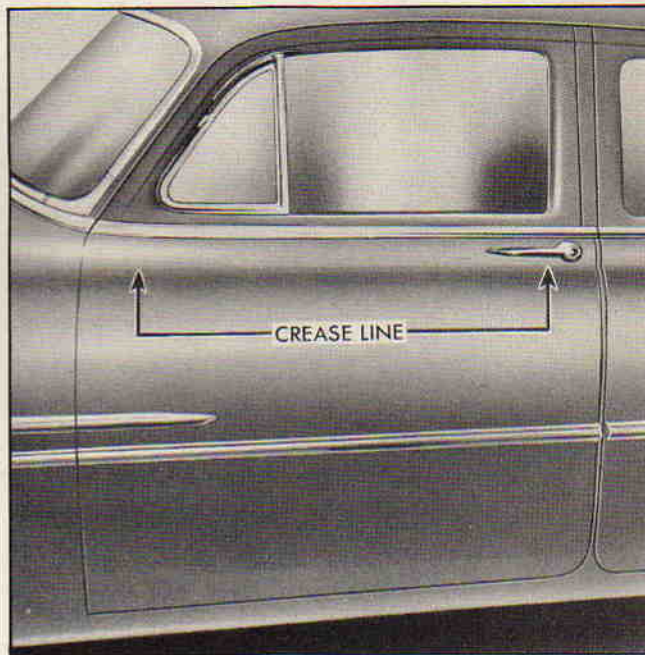
Remove the door lock striker from the body pillar to allow the door to hang free on its hinges. Then check the spacing at sides and top of door for misalignment. The moldings and crease lines on the doors and adjacent body panels should be in continuous horizontal alignment as shown in this illustration.



IMPORTANT: The frictional areas of front door hinge "hold-open" clips contacted by hinge straps indicated at "C" in above drawing, must be lubricated periodically for ease of operation and to prevent frictional noises.

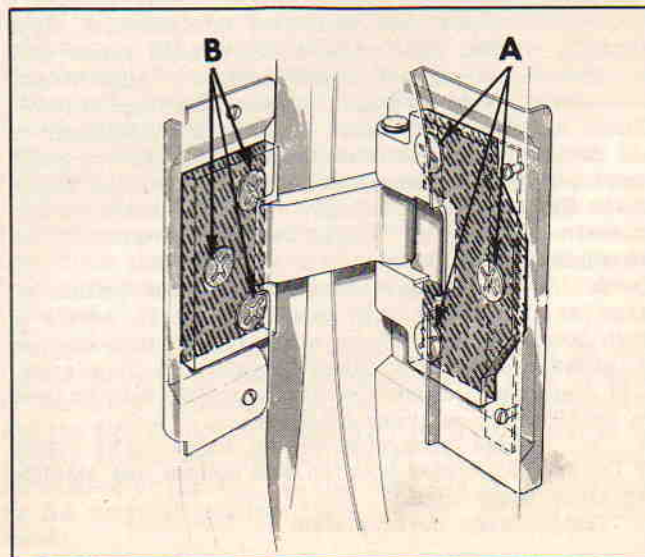
ADJUSTABLE REAR DOOR HINGES

Butt-type hinges are used on the rear doors of sedan styles. An "up and down" adjustment is provided on the door pillar at "A" while an "in and out" adjustment may be made on the center pillar at "B". Shimming of hinges may also be used to provide necessary adjustments (see following description of typical door adjustments).



ADJUSTABLE FRONT DOOR HINGES

A swing-out type hinge with a large goose-neck strap is used on front doors. Both an "up and down" and an "in and out" adjustment is provided through adjustable clinch nuts on the front body pillar at "A". A "fore and aft" adjustment, together with an "up and down" adjustment, is also available on the door at the hinge strap attaching points indicated at "B".



TYPICAL DOOR ADJUSTMENTS

IMPORTANT: In the up and down hinge adjustment of doors, it is also equally important that the door lock striker plate be adjusted to compensate for any up and down movement of the door at the lock pillar side (see description of striker plate adjustment).

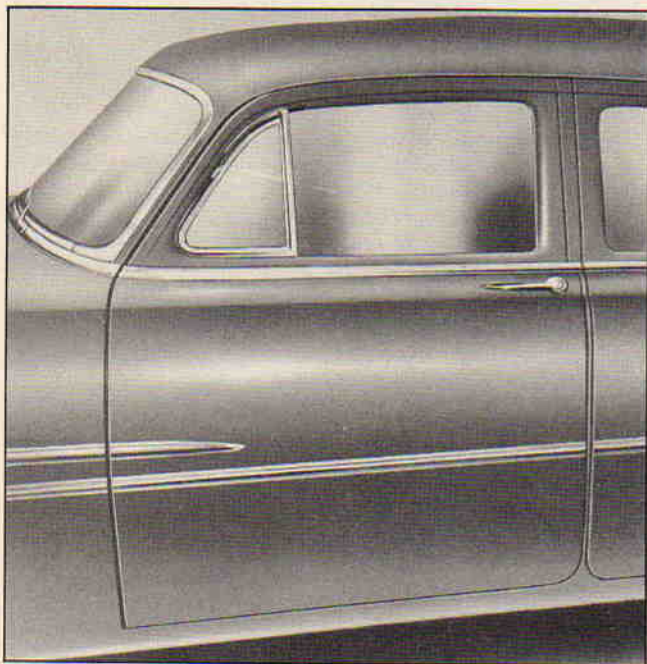
NOTE: Door misalignment illustrations shown are exaggerated to show possible conditions. This illustration shows a condition where the complete door is too far forward in the body door opening.

CONDITION:

The spacing between door and body pillar at the lock pillar side of the door, top to bottom, is excessive. The spacing at the hinge pillar side is too narrow.

CORRECTION:

To correct on front doors, remove the door trim pad, loosen the screws holding each hinge strap to door, and shift door rearward the desired amount. To correct on rear doors, remove each hinge strap (one at a time) from center pillar and place a full waterproof cardboard shim behind each complete hinge sufficient to move the door rearward the desired amount, then install and tighten hinge screws.



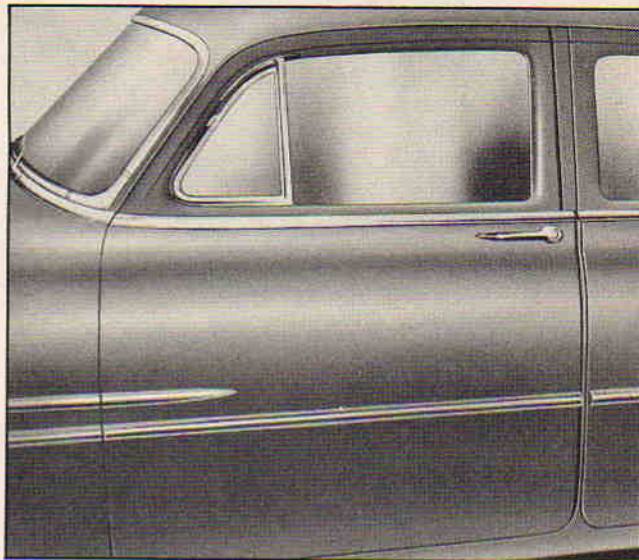
This illustration shows a condition where the door is too high at the lock pillar side.

CONDITION:

Door too high at lock pillar side. The spacing between door and body pillar at door lock pillar is too wide at the top and too narrow at the bottom.

CORRECTION:

To correct on front doors, remove trim pad and barely loosen the hinge straps on the door. Pivot door downward on hinge straps the desired amount and tighten hinge screws. To correct on rear doors, remove the screws from the upper hinge strap at the center body pillar and place a thin waterproof cardboard shim behind hinge strap. Install and tighten hinge screws and adjust striker.



This illustration shows a condition where the complete door is too far rearward in the body door opening.

CONDITION:

The spacing between door and body pillar at the hinge pillar side of door, top to bottom is excessive. The spacing at the lock pillar side is too narrow.

CORRECTION:

To correct on front door, remove the door trim pad, loosen the screws holding each hinge strap to door, and shift door forward the desired amount.

To correct on rear doors, remove each hinge strap (one at a time) where fastened to the pillar and place a narrow waterproof shim behind the inner edge of each hinge strap so as to tilt the hinge and move the door forward in the opening. This adjustment is limited. Install and tighten hinge screws.

