

## Introduction

This document provides instructions for installing an accessory on a Cat® Utility Vehicle (CUV). Do not perform any procedure in this document until you have read and understood the information contained in this document and the Operation and Maintenance Manual.

## Safety Section

### WARNING

Do not operate or work on this product unless you have read and understood the instruction and warnings in the relevant Operation and Maintenance Manuals and relevant service literature. Failure to follow the instructions or heed the warnings could result in injury or death. Proper care is your responsibility.

### WARNING

Failure to follow all safety guidelines prescribed in this document and by governing authorities and regulatory agencies may result in severe injury or death of personnel or machine damage.

### WARNING

When removing a major component or attachment, ensure that it is properly blocked or secured before removing mounting hardware. An assembly that is disconnected without proper blocking may shift or fall, resulting in serious injury or death of personnel or machine damage.

### WARNING

Personal injury or death can result from improper maintenance procedures. To avoid injury or death, follow the procedures exactly as stated below.

### WARNING

Personal injury can result from improper handling of chemicals. Make sure you use all the necessary protective equipment required to do the job. Make sure that you read and understand all directions and hazards described on the labels and material safety data sheet of any chemical that is used. Observe all safety precautions recommended by the chemical manufacturer for handling, storage, and disposal of chemicals.

### WARNING

Before servicing/performing maintenance on the machine, electrical power must be physically disconnected; battery cables must be disconnected from the battery. All applicable lock out and tag out procedures must be followed.

### WARNING

Observe the safe working load limits of all lifting and blocking devices and keep a safe distance from suspended/blocked loads. Personnel may be seriously injured or killed by falling loads.

### WARNING

Do not operate the machine if any guards or covers are missing or inadequately secured. Personnel could be seriously injured or machine damage may occur.

# Caterpillar®

## Installation Instructions - Accessory Kit

### Composite Door Kit

(p/n 546-0910)



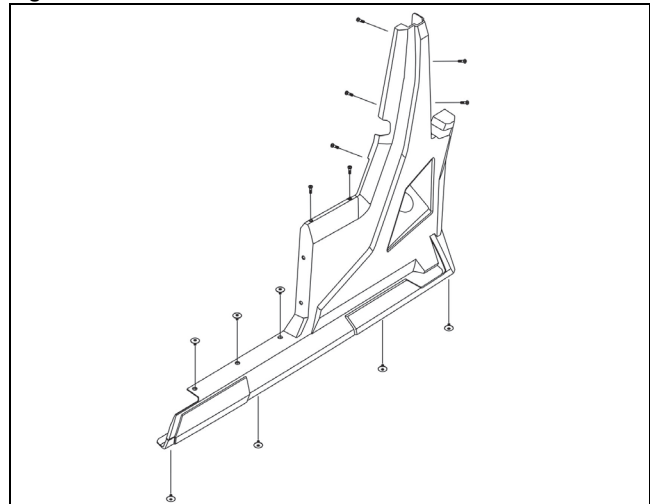
■ **NOTE:** Read these Installation Instructions thoroughly before beginning the installation process. Retain these Installation Instructions for future reference.

**Kit includes:**

QTY	DESCRIPTION
1	Right-Side Door Assembly
1	Left-Side Door Assembly
1	Complete Hardware Kit
1	Left-Side Upper Frame Hinge
1	Right-Side Upper Frame Hinge
1	Left-Side Lower Frame Hinge
1	Right-Side Lower Frame Hinge
1	Left-Side Striker Bracket
1	Right-Side Striker Bracket
1	Left-Side Strap Bracket
1	Right-Side Strap Bracket
1	Rear Glass Window
1	Front A-Pillar Glass Window
2	Upper Door Hinge
2	Lower Door Hinge
1	Left-Side Striker Latch
1	Right-Side Striker Latch
1	Left-Side Front Door Seal
1	Right-Side Front Door Seal
2	Door Handle
2	Window Crank Handle
2	Window Crank Retainer
2	Push-In Bumper
1	Left-Side Window Regulator
1	Right-Side Window Regulator
2	Front Window Guide
2	Flocked Seal Trim
2	Beltline Flocked Trim
2	Edge Trim
2	Perimeter Door Seal Trim
2	Door Strap

- Remove the gas tank cap; then remove the screws securing the left-side panel. Remove the panel. See Fig. 2.

**Fig. 2**

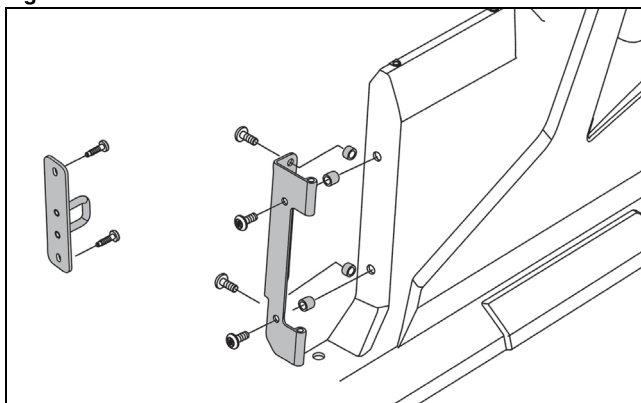


VOR-458

■ **NOTE:** Keys for the doors are taped to the inside storage pocket of the doors.

- Remove the four screws securing the door bracket to the frame; then remove the door and the bracket. Account for the four spacers. See Fig. 1.
- Remove the two screws securing the door striker. Remove the striker; then install the screws without the striker. Tighten securely. See Fig. 1.

**Fig. 1**

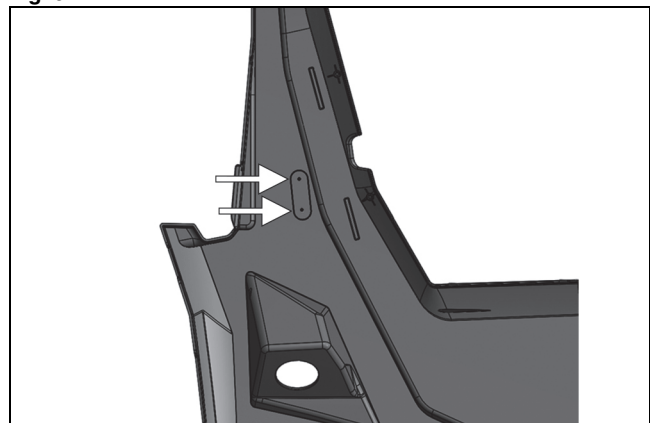


VOR-457

- Remove the hardware securing the shoulder restraint to the frame. Remove the restraint.

- On the inside of the side panel, locate the drill locations. See Fig. 3.

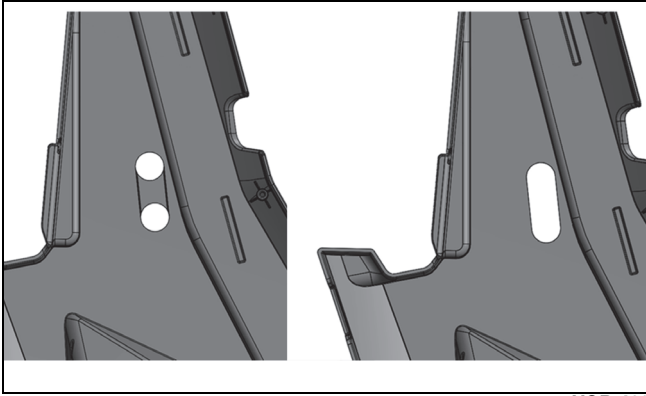
**Fig. 3**



VOR-459

- Using a 1-in. drill bit, drill out both locations; then using a suitable cutting tool, remove the area in the panel indicated by the boss in the panel. Deburr the edges after cutting the panel. See Fig. 4.

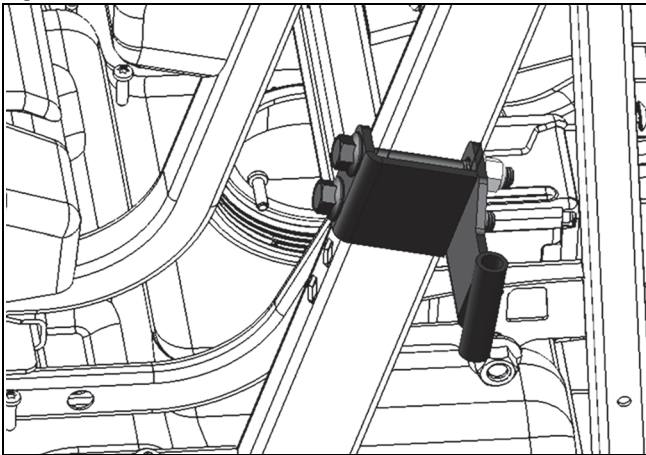
Fig. 4



VOR-460

7. Secure Left-side Lower Hinge to the frame aligning using two Cap Screws (M10 x 80 mm) and two M10 Flange Nuts. Tighten securely. See Fig. 5.

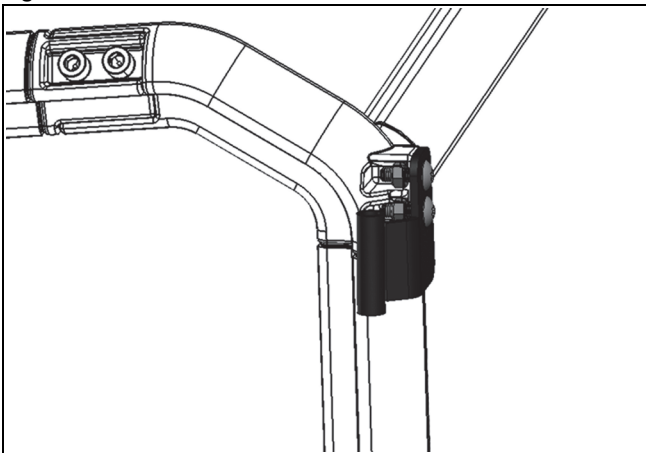
Fig. 5



VOR-461

8. Secure Left-side Upper Hinge to the upper rear portion of the ROPS using two Torx Screws (M8 x 25 mm) and two M8 Hex Lock Nuts. The nuts will slide into the openings in the ROPS. Tighten securely making sure the hinge is level. See Fig. 6.

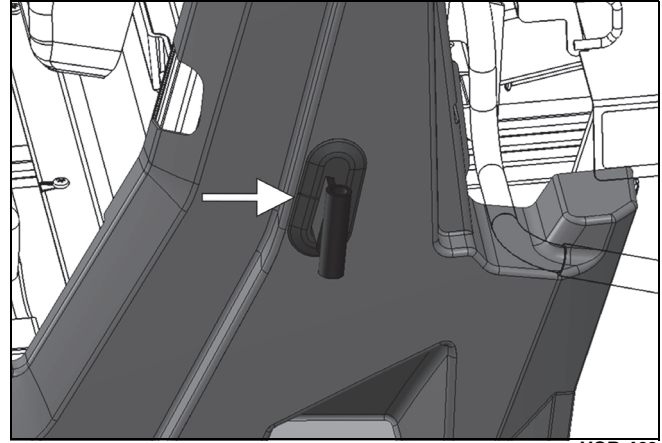
Fig. 6



VOR-462

9. Install the side panel using the existing hardware; then install Seal around the lower hinge making sure the seal is installed securely into the side panel. See Fig. 7.

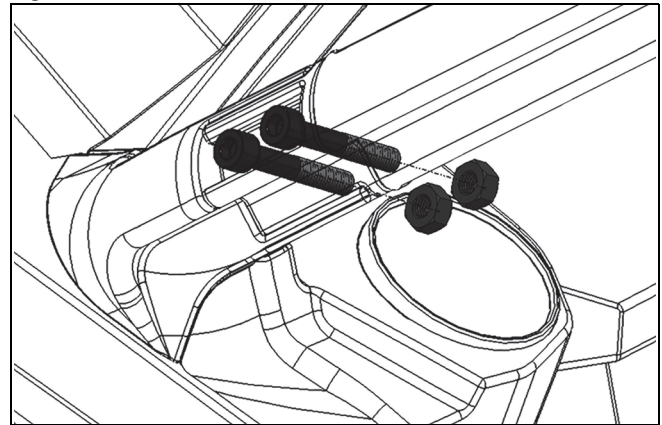
Fig. 7



VOR-463

10. Loosen the two allen-head screws and nuts securing the ROPS to the frame. Only remove the nuts at this time. See Fig. 8.

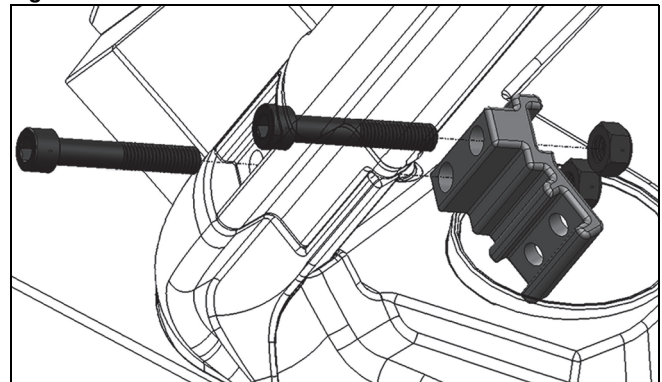
Fig. 8



VOR-467

11. Position Striker Bracket with the existing screws; then remove one screw and install new Allen-Head Screw (M10 x 60 mm) and one M10 Hex Nut. Remove the other screw and install new Allen-Head Screw (M10 x 60 mm) and one M10 Hex Nut. Tighten to 34 ft-lb. See Fig. 9.

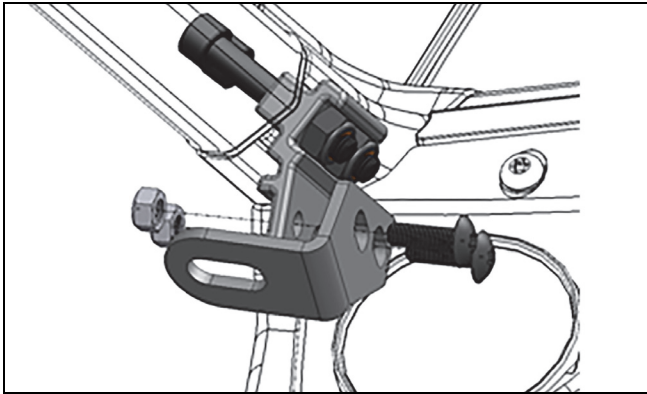
Fig. 9



VOR-468

12. Position Striker onto the inside of the striker bracket and secure using two Button-Head Screws (M8 x 25 mm) and two M8 Nylon Nuts. Tighten only until snug at this time. See Fig. 10.

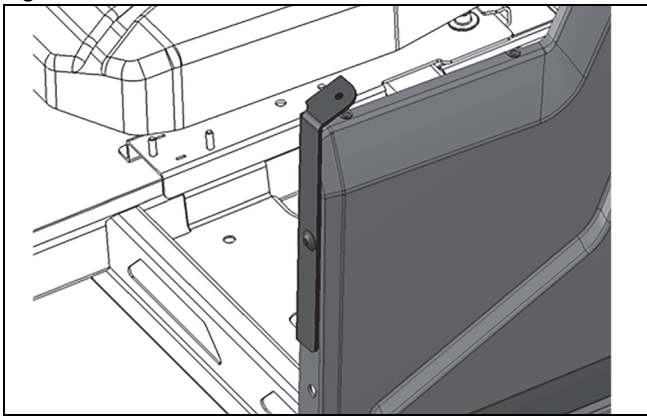
Fig. 10



VOR-526

13. Secure Left-Side Door Strap Bracket to the frame using two M8 Torx Screws. Tighten securely. See Fig. 11.

Fig. 11

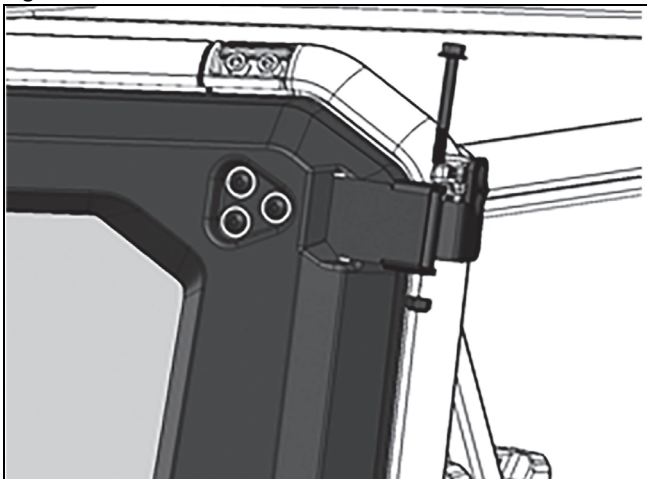


VOR-527

■ **NOTE:** If installing this kit in conjunction with the rear doors for 5 seat models, the front door hinges need to be installed onto the rear doors and the rear door hinges need to be installed onto the front doors.

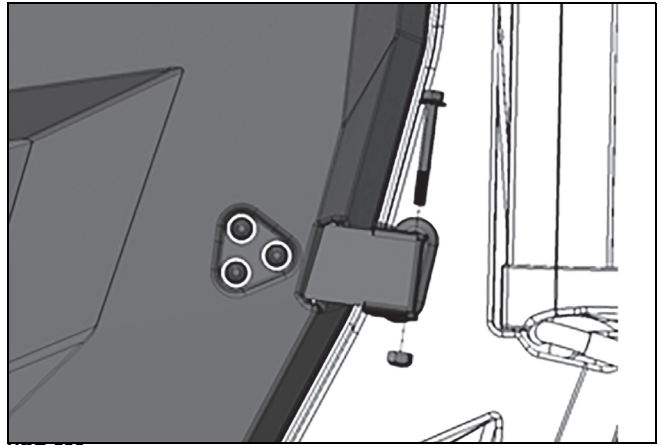
14. Loosen the two screws securing the upper hinge to the ROPS; then position Left-Side Door Assembly with both hinges. Loosely secure two Flange Hex Screws (M8 x 80 mm). See Fig. 12 and 13.

Fig. 12



VOR-529

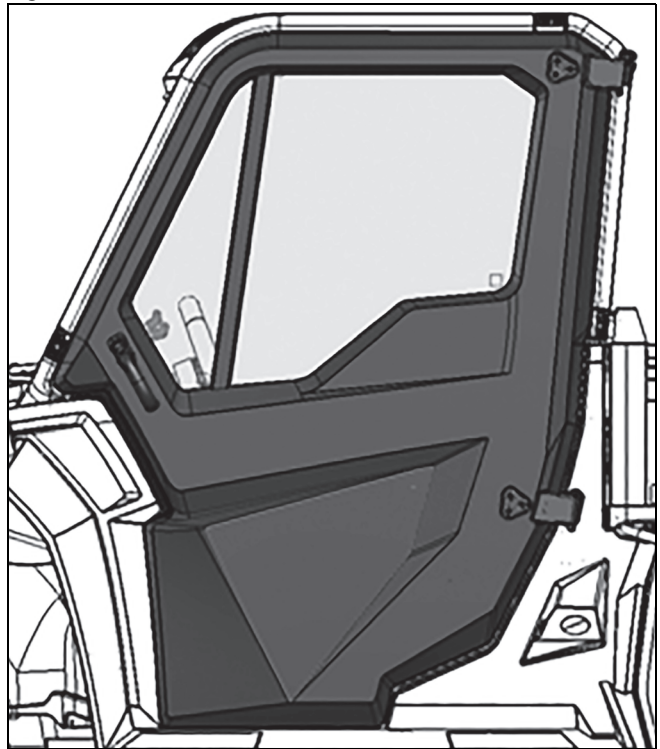
Fig. 13



VOR-530

15. Position the door uniformly inside the door opening on the vehicle; then press the door firmly against the vehicle and tighten the upper hinge fasteners securely. See Fig. 14.

Fig. 14



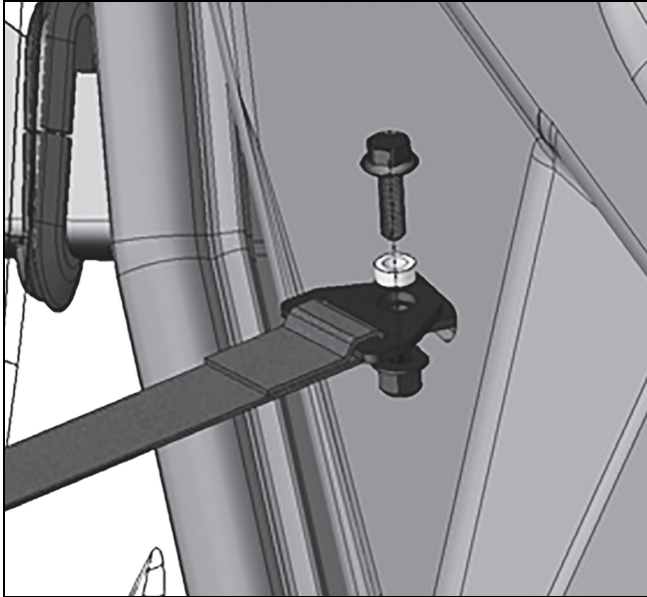
VOR-531

■ **NOTE:** If installing this kit in conjunction with the rear doors for 5 seat models, the front door straps need to be installed onto the rear doors and the rear door straps need to be installed onto the front doors.

16. Secure Door Strap to the strap bracket and the door using two Flange Hex Screws (M6 x 20 mm), two Spacers, and two M6 Flange Nuts. Tighten to 45 in.-lb. The strap ends should be free to rotate. See Fig. 15 and 16.

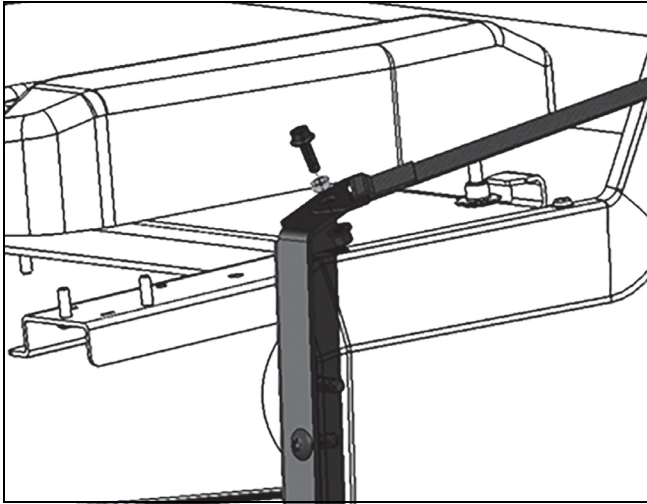


Fig. 15



VOR-532

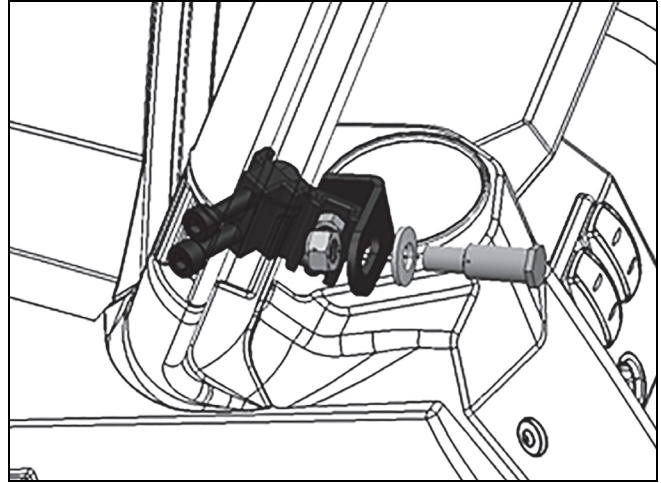
Fig. 16



VOR-533

17. Secure Striker Bolt to the striker bracket using one M12 Belleville Washer and one M12 Hex Nut. Tighten the nut with the striker bolt on the outside of the slot in the bracket. See Fig. 17.

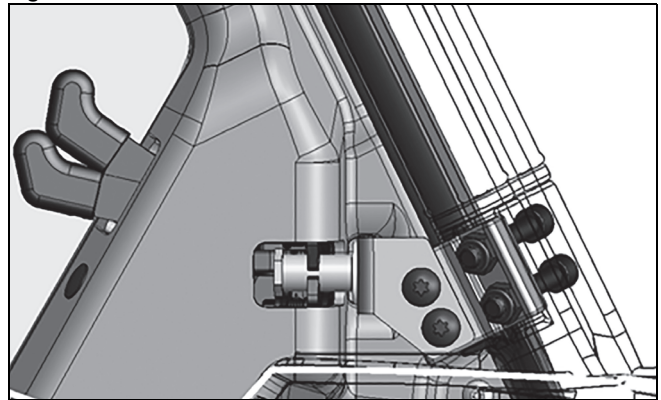
Fig. 17



VOR-534

18. With one person inside the vehicle, align the striker bolt with the door latch and latch the door; then tighten the two screws securing the striker bracket. Verify the height adjustment is correct by opening and closing the door slowly. Be sure the striker bolt does not interfere with the door frame or the liner prior to engaging the door latch. See Fig. 18.

Fig. 18



VOR-535

19. Once the door closes and latches on the striker bolt smoothly, incrementally adjust the striker bolt toward the inside of the vehicle to increase the sealing pressure on the front of the door. Be sure that door latch engages the striker pin with two full clicks at the final adjustment point.

20. Repeat for opposite door.