

DOORS AND REAR QUARTER

	Page		Page
Adjustments	15-1	Pivoting Vent Window (Cherokee)	15-6
Door Locking Rod	15-3	Rear Door Glass	15-4
Door Trim Panels	15-1	Rear Door Remote Control and Lock Lever	15-4
Front Door Glass	15-3	Rear Door Vent Assembly	15-5
Front Door Vent Assembly	15-4	Rear Window Regulator	15-6
Front Door Window Regulator	15-4	Rear Quarter Trim Panel	15-6
Key Lock	15-2	Stationary Window (Cherokee)	15-7
Latch and Remote Control	15-3	Stationary Window (Wagoneer)	15-7
Lock Cylinder Coding	15-2	Water Shield	15-1
Outside Door Handle	15-1		

DOOR ADJUSTMENTS

The doors are adjusted at the hinge mounting points on the body.

On rear doors, floating plates are located in the body pillars to permit adjustment up, down, in or out. To adjust forward or back, add or remove shims between the hinge and hinge pillar.

On front doors, slotted holes are provided in the hinge for in or out adjustment on the pillars, and up and down on the doors.

Prior to any door adjustment or alignment, the adjustable striker must be removed to allow the door to close freely in proper alignment without striker interference.

The door lock striker is adjustable up, down, in or out and can be shimmed forward or back to hold the door in the properly aligned position.

The door latch striker should be set so that the latch enters the striker without binding, yet provides secure retention for the lock and prevents up and down or in and out movement of the door.

The striker should also be adjusted in or out to allow the door latch to be fully engaged. The door should be flush with the adjacent body panels. Oil holes are provided in the door hinges for periodic lubrication of the door hinge pins.

NOTE: *It is possible to set the striker in so far that the door is closed tight but only the safety catch is engaged. This will prevent locking the door with the key or the pushbutton lock rod.*

DOOR TRIM PANELS

Trim panels consist of hardboard composition covered with a vinyl material. They are fastened to the door with spring clips inserted into holes in the door inner panel.

Removal

(1) Remove metal strip or plugs on armrest and remove attaching screws and armrest.

(2) Remove window regulator handle and door latch remote control handle.

(3) Remove trim panel attaching screws on bottom of trim panel.

(4) Pry trim panel-to-door clips along sides loose with tool J-2631-01 and remove panel.

Installation

(1) Position trim panel on door and install clips in holes in inner door panel.

NOTE: *To prevent creasing the trim panel cover, do not hammer or exert excessive force on the clips.*

(2) Install screws along bottom of trim panel.

(3) Install window regulator handle and door latch remote control handle.

(4) Install armrest and metal strip or plugs.

WATER SHIELD

The water shield is attached to the door inner panel with adhesive. To remove water shield use a putty knife between shield and door inner panel to loosen adhesive.

When installing water shield be sure the slit lower portion is tucked inside the door panel at the access opening and that the shield is cemented securely to the door inner panel.

OUTSIDE DOOR HANDLE

Removal

(1) Remove door trim panel and water shield.

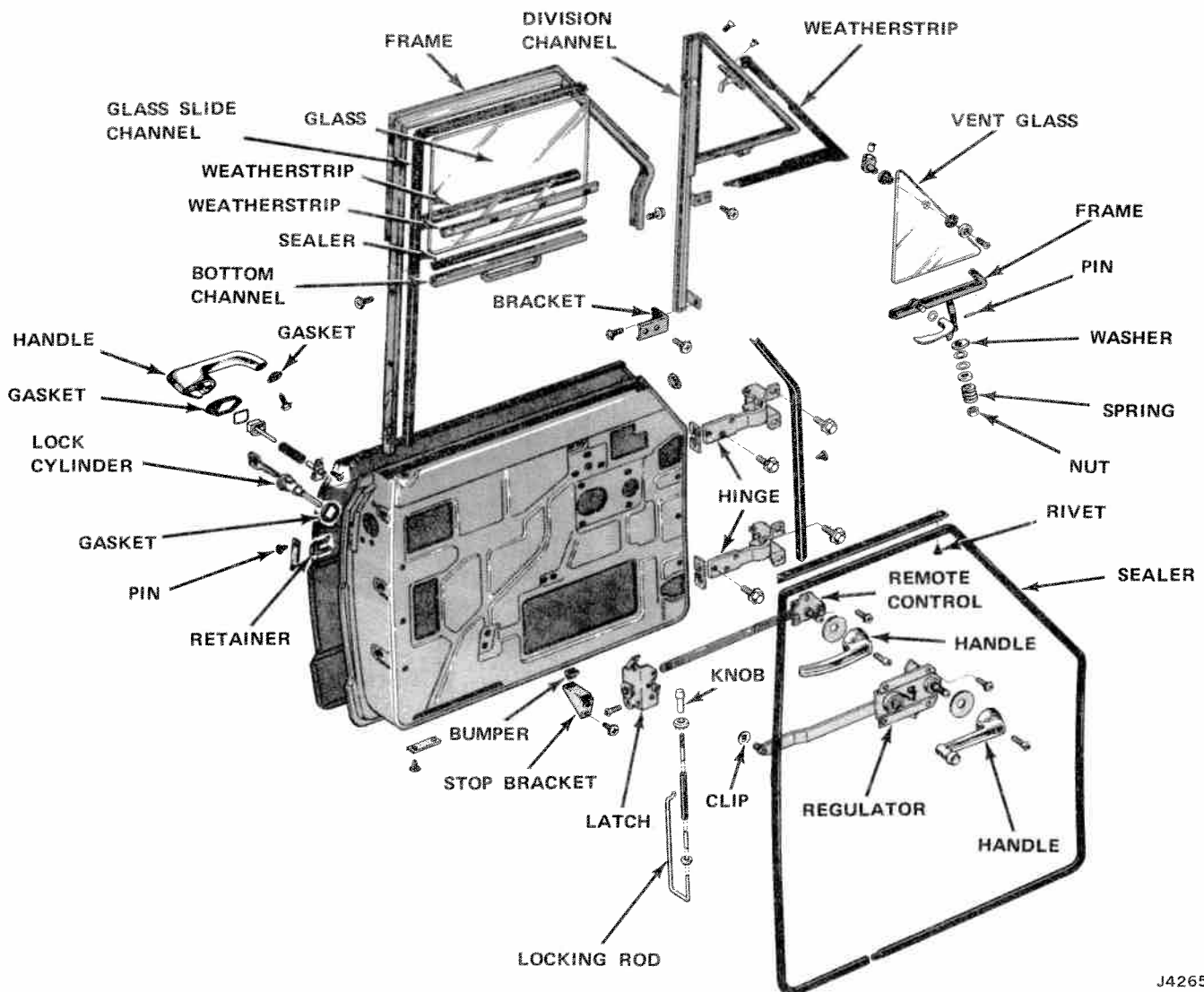
(2) Raise window to fully closed position.

(3) Through opening in inner door panel, remove handle attaching screws and remove handle and gaskets.

Installation

(1) Position gaskets and handle on door and secure with attaching screws.

(2) Install water shield and door trim panel.



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Fig.15-1 Front Door - Wagoneer - Cherokee - Truck

KEY LOCK

Removal

- (1) Remove rubber sealer along rear edge of door by prying out the retaining pins to expose lock cylinder retainer (fig. 15-1).
- (2) Using flat blade screwdriver remove retainer.
- (3) Remove lock cylinder and extension rod from outside of door.

Installation

- (1) Position lock cylinder in door making sure extension rod is inserted in square hole in latch.
- (2) Install lock cylinder retainer.
- (3) Install rubber sealer with retaining pins.

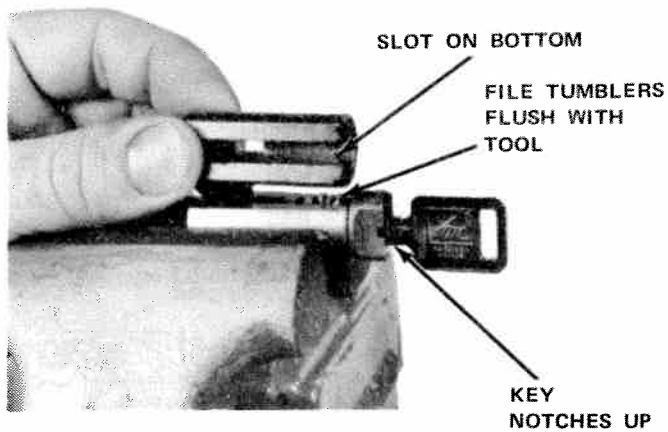
LOCK CYLINDER CODING

The lock cylinder is serviced in a kit which includes an uncoded cylinder, housing and a dust cover.

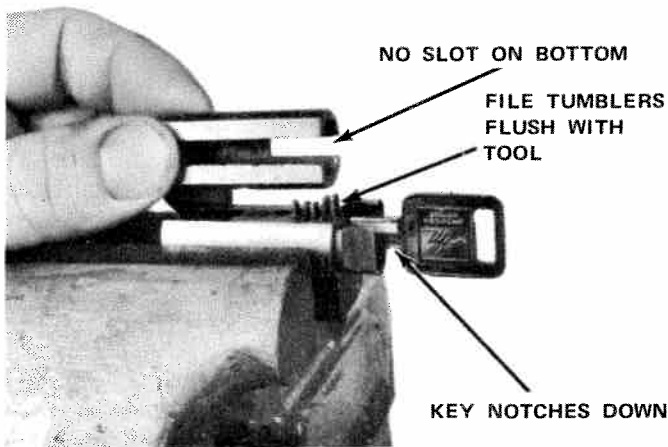
Whenever a lock cylinder replacement is required, the uncoded service cylinder can be coded to match the existing key.

- (1) Remove lock cylinder from door.
- (2) Remove dust cover from original lock housing and remove lock cylinder and discard.
- (3) Insert original key into new uncoded service lock cylinder.
- (4) Press cylinder into special Door Cylinder Lock Tumbler Filing Fixture Tool J-22977, with notched side of key up and long tumbler in slot (fig. 15-2).
- (5) Hold filing fixture in vise and file tumblers flush with flat side of fixture. Use a standard 5/8-inch double cut bastard file. Finish filing with smooth mill file.
- (6) Remove lock cylinder from fixture and insert cylinder into opposite end of fixture with notched side of key down as shown in figure 2.

NOTE: This side of the fixture can be identified as the end without the double slot cut out (180 degrees apart).



STEP 1



STEP 2

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Fig. 15-2 Filing Lock Tumblers

- (7) File tumblers flush with flat side of fixture.

NOTE: Utilize the filing fixtures as a test gauge. Remove the fixture from the vise and if the tumblers are filed correctly, the lock cylinder will turn in the fixture.

- (8) Insert new lock cylinder into lock housing.
- (9) Install new dust cap and crimp ends of cap over lock housing.
- (10) Install lock cylinder in door.

LATCH AND REMOTE CONTROL

Removal

- (1) Remove door trim panel and water shield.
- (2) Remove lock cylinder.
- (3) Remove screws from inside door lock remote control (fig. 15-1). Push control in and lower to bottom of door.
- (4) Disconnect remote control arm from door latch and remove remote control assembly through access hole at bottom of door.
- (5) Remove screws attaching door latch to door panel.

- (6) Push door latch in and turn it 90° to free it from lock lever rod and remove through lower access hole.

Installation

- (1) Position door latch on door panel and install attaching screws.
- (2) Connect remote control arm to door latch. Position remote control on door inner panel and install attaching screws.

DOOR LOCKING ROD

Removal

- (1) Remove door trim panel and water shield.
- (2) Remove door lock push knobs.
- (3) Push nylon bushing (on rod) off bracket.

Installation

- (1) Install nylon bushing on bracket.
- (2) Install door lock push knob.
- (3) Install water shield and door trim panel.

FRONT DOOR GLASS

Removal

- (1) Remove door trim panel and water shield.
- (2) Remove glass stop bracket (fig. 15-1).
- (3) Remove lower division bar attaching bracket.
- (4) Remove division bar upper bracket-to-door panel attaching screws.
- (5) Remove lock rod guide bushing.

NOTE: Move lock rod aside so glass may be lowered to bottom of door.

- (6) Remove screws attaching remote control assembly to door panel and lower to bottom of door.
- (7) Lower door glass and remove retaining clip.
- (8) Lower glass to bottom of door.
- (9) Push lower end of division bar toward front of door to release glass from channel.
- (10) Move glass toward front of door to release it from rear channel.
- (11) Rotate glass vertically 90° and guide it between inner and outer door panels.

Installation

- (1) Position door glass in lower section of door so lifter channel has recessed portion of guide groove toward inner door panel.
- (2) Position glass in rear channel and position front channel so glass can be inserted.
- (3) Slide glass up in channels and crank regulator

arm down to line up pin at end of regulator arm with slot in lifter channel.

- (4) Install retainer on regulator arm.
- (5) Position remote control assembly and install attaching screws.
- (6) Position lock rod and install lock rod guide bushing to door panel.
- (7) Install door lock push knob.
- (8) Install upper and lower division bar attaching brackets.
- (9) Install glass stop.
- (10) Install water shield and trim panel.

FRONT DOOR VENT ASSEMBLY

Removal

- (1) Remove door trim panel and water shield.
- (2) Remove door window glass.
- (3) Remove upper glass channel.
- (4) Remove vent assembly attaching screws under weatherseal on leading edge of door frame and under base of vent weatherseal (fig. 15-1).
- (5) Move vent assembly toward rear of door, tipping it to clear upper door frame.
- (6) Pull ventilator assembly straight out until upper attaching bracket is above opening between outer and inner door panels.
- (7) Rotate vent assembly 90 degrees to position lower attaching bracket on run channel to clear opening between door panels.
- (8) Remove vent assembly.

Installation

- (1) Position vent assembly in door.
- (2) Install vent assembly attaching screws through door frame.
- (3) Install upper glass run channel.
- (4) Install door window glass.
- (5) Install water shield and door trim panel.

FRONT DOOR WINDOW REGULATOR

Removal

- (1) Remove door trim panel and panel and water shield.
- (2) Lower glass and remove clips holding regulator arm to glass bottom channel (fig. 15-1).
- (3) Remove door weatherstrip.
- (4) Raise and support glass.
- (5) Lower regulator arm and remove attaching screws.
- (6) Remove regulator through access hole in door.

Installation

- (1) Install regulator in door and secure with attaching screws.
- (2) Position regulator arm in glass bottom channel.
- (3) Install retainer clip on regulator arm.
- (4) Install door belt weatherstrip.
- (5) Remove glass support.
- (6) Install water shield and door trim panel.

REAR DOOR REMOTE CONTROL AND LOCK LEVER ROD

Removal

- (1) Remove trim panel and water shield.
- (2) Remove door lock push nob.
- (3) Remove screws attaching lock control arm to inner door panel.
- (4) Remove lock lever rod.
- (5) Remove door latch attaching screws.
- (6) Disconnect remote control arm and turn latch 90 degrees.
- (7) Remove lock lever rod and bellcrank (fig. 15-3).

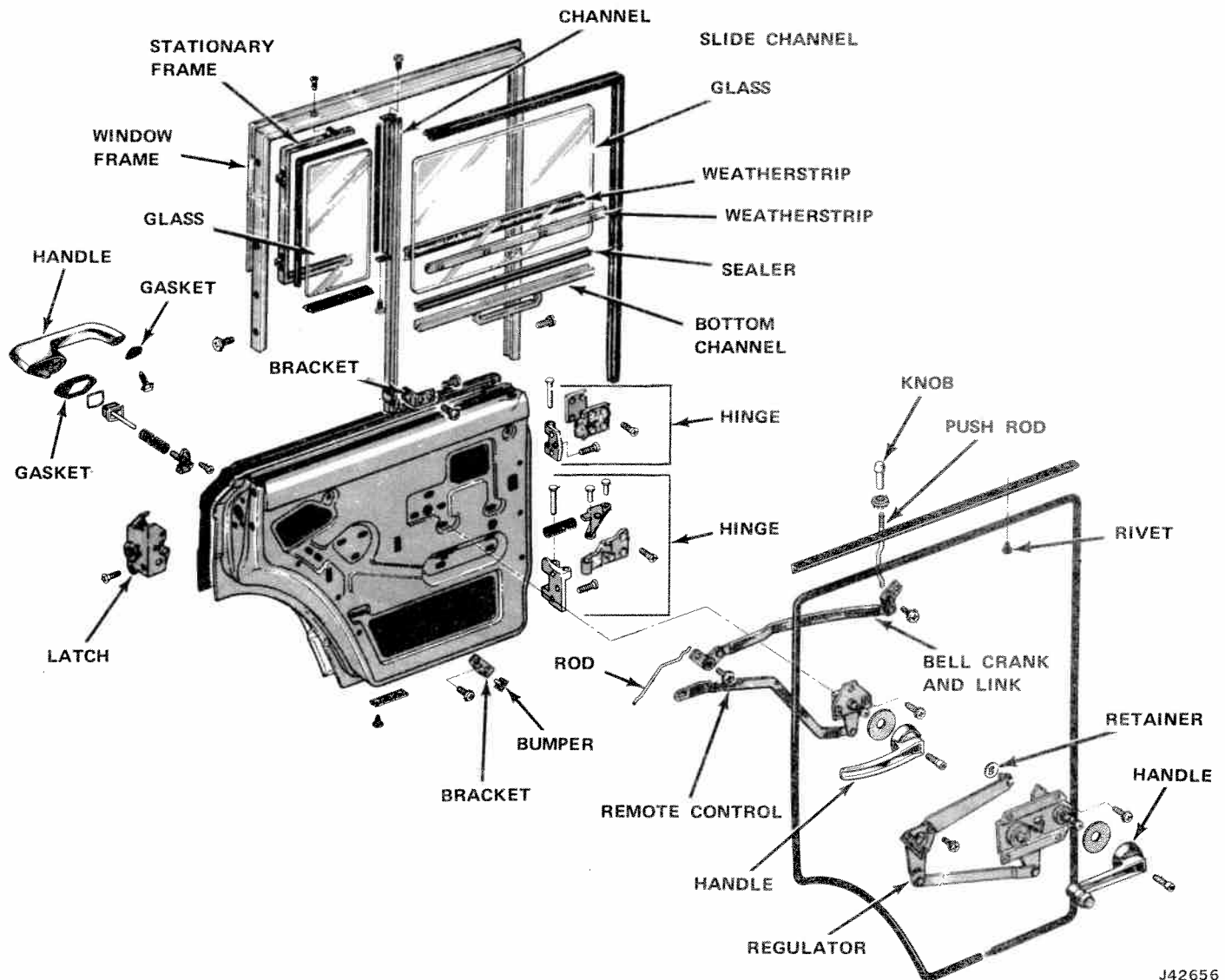
Installation

- (1) Position latch in door and install lock lever rod and bellcrank.
- (2) Connect remote control arm to latch and turn latch 90°. Secure latch to door panel with attaching screws.
- (3) Install lock lever rod.
- (4) Position lock control arm on inner door panel and install attaching screws.
- (5) Install door lock push knob.
- (6) Install water shield and trim panel.

REAR DOOR GLASS

Removal

- (1) Remove door trim panel and water shield.
- (2) Remove glass stop bracket.
- (3) Remove rear glass channel lower attaching bracket.
- (4) Lower door glass to obtain access to retainer clip.
- (5) Remove retainer clip, disengage pin from slot in channel and lower glass to bottom of door (fig. 15-3).
- (6) Remove inner and outer belt weatherstrips.
- (7) Remove upper glass channel.
- (8) Remove stationary vent assembly attaching screws (located under door weatherstrip fig. 15-3).
- (9) Tilt top of vent assembly forward approximately one inch.
- (10) Push lower end of rear glass channel toward rear of door to release glass.
- (11) Move glass toward rear of door to release glass from front channel.



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Fig. 15-3 Rear Door - Wagoneer

(12) Rotate glass 90 degrees and guide glass between inner and outer door panels.

Installation

(1) Position door glass in lower section of door so channel has recessed portion toward inner door panel.

(2) Position door glass in front run channel and push rear channel over glass.

(3) Slide glass up and crank regulator arm down until pin on regulator arm can be inserted in slot of lifter channel.

(4) Install retainer.

(5) Position stationary vent assembly and install attaching screws.

(6) Install upper glass run channel.

(7) Install inner and outer belt weatherstrip.

(8) Install rear channel attaching bracket.

(9) Install glass stop bracket.

(10) Check operation of glass.

(11) Install water shield and door trim panel.

REAR DOOR VENT ASSEMBLY

Removal

(1) Remove door glass.

(2) Apply soap solution under vent weatherstrip and along inner and outer door panels.

(3) Slide vent assembly forward to center of door glass opening.

(4) Push vent assembly down through opening between inner and outer door panels to disengage assembly from upper door frame.

(5) Lower top of vent assembly down to clear upper door frame.

(6) Pull vent assembly straight up until all weather-seal is clear of door panel and vent assembly can be rotated.

(7) Rotate assembly to position lower attaching bracket on channel and pull assembly up and out between panels.

Installation

- (1) Install assembly between panels.
- (2) Engage vent assembly in upper door frame and slide vent into position.
- (3) Install door glass.

REAR DOOR WINDOW REGULATOR

Removal

- (1) Remove trim panel and water shield.
- (2) Remove regulator arm-to-glass bottom channel retaining clip.
- (3) Remove door belt weatherstrip.
- (4) Push regulator pin out of glass channel.
- (5) Remove regulator attaching screws and remove regulator.

Installation

- (1) Position regulator on inner door panel and secure with attaching screws.
- (2) Install regulator pin in glass channel and install retaining clip.
- (3) Install door belt weatherstrip.
- (4) Install water shield and door trim panel.

REAR QUARTER TRIM PANEL

Removal

- (1) Remove ash receiver, two ash receiver holder screws, and holder (if equipped).
- (2) Remove armrest metal overlay strip, two armrest screws, and armrest (if equipped).
- (3) Remove the two trim panel screws at base of panel.
- (4) Pry loose the trim panel attaching clips along both vertical sides of panel.

Installation

- (1) Inspect all panel attaching clips; replace any that are bent.
- (2) to prevent damage to trim panel, do not hammer or exert excessive force on the clips.
- (3) Install trim panel attaching screws.
- (4) Install armrest and armrest metal overlay strip (if equipped).
- (5) Install ash receiver holder and ash receiver (if equipped).

PIVOTING VENT WINDOW (CHEROKEE)

Removal

- (1) Remove mylar insert from weatherstrip.

- (2) Pull weatherstrip back and remove window frame-to-body screws (fig. 15-4).
- (3) Pull window frame toward outside of vehicle.

NOTE: If weatherstrip sticks to body, use a wooden wand and pry loose at one corner.

- (4) Remove window frame and weatherstrip assembly.
- (5) Inspect weatherstrip and replace if necessary.

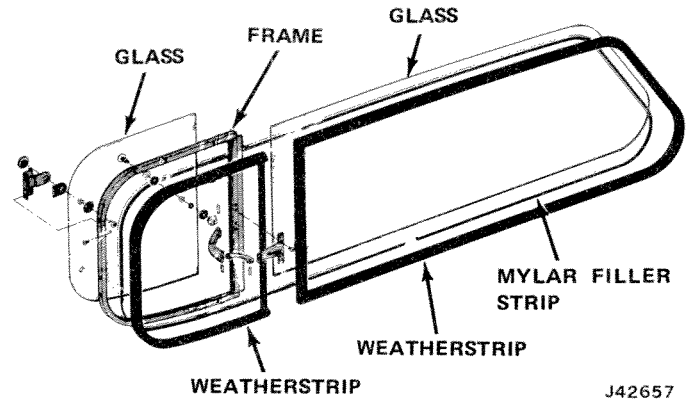


Fig. 15-4 Rear Quarter Window - Cherokee

Installation

- (1) Lubricate weatherstrip with soap and water solution.
- (2) Place window frame and weatherstrip assembly into position in window opening.
- (3) Using wooden wand, work weatherstrip inner flange into position.

NOTE: Apply 3M brand windshield sealer or equivalent at window frame rear corners.

- (4) Obtain proper mylar alignment with weatherstrip and work into recess in weatherstrip.

Vent Window Glass

Removal

- (1) Remove four handle-to-frame attaching screws (fig. 15-4).
- (2) Remove two glass hinge screws and washers.
- (3) Remove glass.

NOTE: If glass sticks to the hinges, remove glass by carefully pushing out hinge screw inserts.

- (4) To remove handle assembly from glass, carefully drive out handle assembly-to-stud roll pin.
- (5) Unscrew stud nut and remove stud from glass.

Installation

- (1) Attach glass to frame using hinge screw inserts, washers, and screws.
- (2) Attach handle assembly to frame.
- (3) Attach stud and nut to glass, and connect stud to handle assembly with roll pin.
- (4) Latch window and check for water leaks.
- (5) If water leakage is evident, apply sealant in affected areas.

STATIONARY WINDOW (WAGONEER)

- (1) Remove interior garnish moldings from around window and break seal loose between weatherstrip and body panels.
- (2) Push glass toward inside of vehicle.
- (3) Remove weatherstrip from around glass and clean old sealer from glass cavity and flange cavity.
- (4) Before installing glass in weather-strip, apply a 3/16-inch bead of medium bodied sealer in glass cavity completely around weatherstrip using a pressure type applicator (fig. 15-5).
- (5) With glass installed in weatherstrip and before installing glass and weatherstrip into opening, insert a 1/4-inch cord completely around weatherstrip in flange cavity.

NOTE: The ends of the cord should hang out over the outside surface of the glass approximately in the center of the upper weatherstrip.

- (6) Place glass and weatherstrip into position in window opening with ends of cord hanging outside vehicle (fig. 15-6).

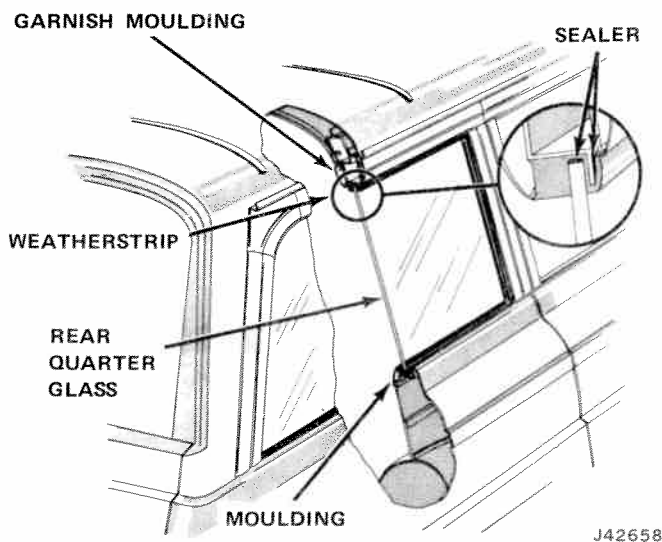


Fig. 15-5 Rear Quarter Window - Wagoneer

- (7) Pull on ends of cord to pull lip of weatherstrip over body panel. With cord removed, weatherstrip should be correctly positioned.
- (8) Replace interior garnish molding.
- (9) Apply bead of medium-bodied sealer from outside of vehicle between weatherstrip and body panels.
- (10) Clean excess sealer from glass and exterior body surface.
- (11) Test window for water leaks.

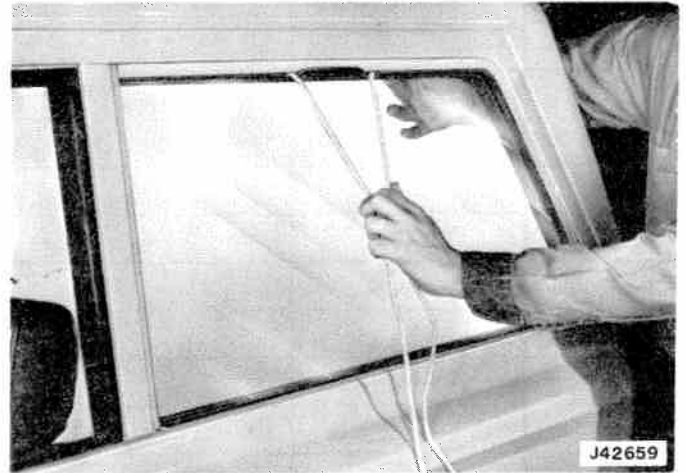


Fig. 15-6 Rear Quarter Window Installation

STATIONARY WINDOW (CHEROKEE)

NOTE: On Cherokee custom models the pivoting rear quarter vent window and frame must be removed prior to removal of the stationary window.

- (1) Using a wooden wand, free the weatherstrip-to-body flange on the inside of vehicle.
- (2) Push window and weatherstrip toward the outside of the vehicle.
- (3) Remove weatherstrip from glass and clean off sealer from glass cavity.
- (4) Before installing glass in weatherstrip, apply a 3/16-inch bead of medium-bodied sealant in the weatherstrip glass cavity using a pressure type applicator.
- (5) Lubricate weatherstrip with soapy water.
- (6) Place glass and weatherstrip into position in the window opening.
- (7) With weatherstrip body flange in proper position at the bottom of the window opening, use a wooden wand and "walk" the weatherstrip-to-body flange into position.
- (8) Clean excess sealer from glass.
- (9) Check for water leaks.
- (10) If water leakage is evident, apply sealant in the affected areas and realign weatherstrip.

