BODY

TABLE OF CONTENTS

BODY

WARNING

SAFETY PRECAUTIONS AND WARNINGS

WARNING: EYE PROTECTION SHOULD BE USED WHEN SERVICING GLASS COMPONENTS. PERSONAL INJURY CAN RESULT.

- **USE A OSHA APPROVED BREATHING FILTER WHEN SPRAYING PAINT OR SOLVENTS IN A CONFINED AREA. PERSONAL INJURY CAN RESULT.**
- **AVOID PROLONGED SKIN CONTACT WITH PETROLEUM OR ALCOHOL–BASED CLEANING SOLVENTS. PERSONAL INJURY CAN RESULT.**
- **DO NOT STAND UNDER A HOISTED VEHICLE THAT IS NOT PROPERLY SUPPORTED ON SAFETY STANDS. PERSONAL INJURY CAN RESULT.**

CAUTION: When holes must be drilled or punched in an inner body panel, verify depth of space to the outer body panel, electrical wiring, or other components. Damage to vehicle can result.

- **Do not weld exterior panels unless combustible material on the interior of vehicle is removed from the repair area. Fire or hazardous conditions, can result.**
- **Always have a fire extinguisher ready for use when welding.**
- **Disconnect the negative (-) cable clamp from the battery when servicing electrical components that are live when the ignition is OFF. Damage to electrical system can result.**
- **Do not use abrasive chemicals or compounds on painted surfaces. Damage to finish can result.**
- **Do not use harsh alkaline based cleaning solvents on painted or upholstered surfaces. Damage to finish or color can result.**
- **Do not hammer or pound on plastic trim panel when servicing interior trim. Plastic panels can break.**

DaimlerChrysler Corporation uses many different types of push-in fasteners to secure the interior and exterior trim to the body. Most of these fasteners can be reused to assemble the trim during various repair procedures. At times, a push-in fastener cannot be removed without damaging the fastener or the component it is holding. If it is not possible to remove a fastener without damaging a component or body, cut or break the fastener and use a new one when installing the component. Never pry or pound on a plastic or pressed-board trim component. Using a suitable fork-type prying device, pry the fastener from the retaining hole behind the component being removed. When installing, verify fastener alignment with the retaining hole by hand. Push directly on or over the fastener until it seats. Apply a low-force pull to the panel to verify that it is secure.

When it is necessary to remove components to service another, it should not be necessary to apply excessive force or bend a component to remove it. Before damaging a trim component, verify hidden fasteners or captured edges holding the component in place.

BODY (Continued)

DIAGNOSIS AND TESTING

DIAGNOSIS AND TESTING - WATER LEAKS

Water leaks can be caused by poor sealing, improper body component alignment, body seam porosity, missing plugs, or blocked drain holes. Centrifugal and gravitational force can cause water to drip from a location away from the actual leak point, making leak detection difficult. All body sealing points should be water tight in normal wet-driving conditions. Water flowing downward from the front of the vehicle should not enter the passenger or luggage compartment. Moving sealing surfaces will not always seal water tight under all conditions. At times, side glass or door seals will allow water to enter the passenger compartment during high pressure washing or hard driving rain (severe) conditions. Overcompensating on door or glass adjustments to stop a water leak that occurs under severe conditions can cause premature seal wear and excessive closing or latching effort. After completing a repair, water test vehicle to verify leak has stopped before returning vehicle to use.

VISUAL INSPECTION BEFORE WATER LEAK TESTS

Verify that floor and body plugs are in place, body drains are clear, and body components are properly aligned and sealed. If component alignment or sealing is necessary, refer to the appropriate section of this group for proper procedures.

WATER LEAK TESTS

WARNING: DO NOT USE ELECTRIC SHOP LIGHTS OR TOOLS IN WATER TEST AREA. PERSONAL INJURY CAN RESULT.

When the conditions causing a water leak have been determined, simulate the conditions as closely as possible.

- If a leak occurs with the vehicle parked in a steady light rain, flood the leak area with an open-ended garden hose.
- If a leak occurs while driving at highway speeds in a steady rain, test the leak area with a reasonable velocity stream or fan spray of water. Direct the spray in a direction comparable to actual conditions.
- If a leak occurs when the vehicle is parked on an incline, hoist the end or side of the vehicle to simulate this condition. This method can be used when the leak occurs when the vehicle accelerates, stops or turns. If the leak occurs on acceleration, hoist the front of the vehicle. If the leak occurs when braking, hoist the back of the vehicle. If the leak occurs on left turns, hoist the left side of the vehicle. If the leak occurs on right turns, hoist the right side of the vehicle. For hoisting recommendations refer to Group 0, Lubrication and Maintenance, General Information section.

WATER LEAK DETECTION

To detect a water leak point-of-entry, do a water test and watch for water tracks or droplets forming on the inside of the vehicle. If necessary, remove interior trim covers or panels to gain visual access to the leak area. If the hose cannot be positioned without being held, have someone help do the water test.

Some water leaks must be tested for a considerable length of time to become apparent. When a leak appears, find the highest point of the water track or drop. The highest point usually will show the point of entry. After leak point has been found, repair the leak and water test to verify that the leak has stopped.

Locating the entry point of water that is leaking into a cavity between panels can be difficult. The trapped water may splash or run from the cavity, often at a distance from the entry point. Most water leaks of this type become apparent after accelerating, stopping, turning, or when on an incline.

MIRROR INSPECTION METHOD

When a leak point area is visually obstructed, use a suitable mirror to gain visual access. A mirror can also be used to deflect light to a limited-access area to assist in locating a leak point.

BRIGHT LIGHT LEAK TEST METHOD

Some water leaks in the luggage compartment can be detected without water testing. Position the vehicle in a brightly lit area. From inside the darkened luggage compartment inspect around seals and body seams. If necessary, have a helper direct a drop light over the suspected leak areas around the luggage compartment. If light is visible through a normally sealed location, water could enter through the opening.

PRESSURIZED LEAK TEST METHOD

When a water leak into the passenger compartment cannot be detected by water testing, pressurize the passenger compartment and soap test exterior of the vehicle. To pressurize the passenger compartment, close all doors and windows, start engine, and set heater control to high blower in HEAT position. If engine can not be started, connect a charger to the battery to ensure adequate voltage to the blower. With interior pressurized, apply dish detergent solution to suspected leak area on the exterior of the vehicle. Apply detergent solution with spray device or soft bristle brush. If soap bubbles occur at a body seam, joint, seal or gasket, the leak entry point could be at that location.

BODY (Continued)

DIAGNOSIS AND TESTING - WIND NOISE

Wind noise is the result of most air leaks. Air leaks can be caused by poor sealing, improper body component alignment, body seam porosity, or missing plugs in the engine compartment or door hinge pillar areas. All body sealing points should be airtight in normal driving conditions. Moving sealing surfaces will not always seal airtight under all conditions. At times, side glass or door seals will allow wind noise to be noticed in the passenger compartment during high cross winds. Over compensating on door or glass adjustments to stop wind noise that occurs under severe conditions can cause premature seal wear and excessive closing or latching effort. After a repair procedure has been performed, test vehicle to verify noise has stopped before returning vehicle to use.

Wind noise can also be caused by improperly fitted exterior moldings or body ornamentation. Loose moldings can flutter, creating a buzzing or chattering noise. An open cavity or protruding edge can create a whistling or howling noise. Inspect the exterior of the vehicle to verify that these conditions do not exist.

VISUAL INSPECTION BEFORE TESTS

Verify that floor and body plugs are in place and body components are aligned and sealed. If component alignment or sealing is necessary, refer to the appropriate section of this group for proper procedures.

ROAD TESTING WIND NOISE

(1) Drive the vehicle to verify the general location of the wind noise.

(2) Apply 50 mm (2 in.) masking tape in 150 mm (6 in.) lengths along weatherstrips, weld seams or moldings. After each length is applied, drive the vehicle. If noise goes away after a piece of tape is applied, remove tape, locate, and repair defect.

POSSIBLE CAUSE OF WIND NOISE

- Moldings standing away from body surface can catch wind and whistle.
- Gaps in sealed areas behind overhanging body flanges can cause wind-rushing sounds.
- Misaligned movable components.
- Missing or improperly installed plugs in pillars.
- Weld burn through holes.

STANDARD PROCEDURE

STANDARD PROCEDURE - BODY LUBRICATION

All mechanisms and linkages should be lubricated when necessary. This will maintain ease of operation and provide protection against rust and excessive wear. The weatherstrip seals should be lubricated to prolong their life as well as to improve door sealing.

All applicable exterior and interior vehicle operating mechanisms should be inspected and cleaned. Pivot/sliding contact areas on the mechanisms should then be lubricated.

(1) When necessary, lubricate the operating mechanisms with the specified lubricants.

(2) Apply silicone lubricant to a cloth and wipe it on door seals to avoid over-spray that can soil passenger's clothing.

(3) Before applying lubricant, the component should be wiped clean. After lubrication, any excess lubricant should be removed.

(4) The hood latch, latch release mechanism, latch striker, and safety latch should be lubricated periodically.

(5) The door lock cylinders should be lubricated twice each year (preferably autumn and spring).

- Spray a small amount of lock cylinder lubricant directly into the lock cylinder.
- Apply a small amount to the key and insert it into the lock cylinder.
- Rotate it to the locked position and then back to the unlocked position several times.
- Remove the key. Wipe the lubricant from it with a clean cloth to avoid soiling of clothing.

STANDARD PROCEDURE - HEAT STAKING

(1) Remove trim panel.

(2) Bend or move the trim panel components at the heat staked joints. Observe the heat staked locations and/or component seams for looseness.

(3) Heat stake the components.

(a) If the heat staked or component seam location is loose, hold the two components tightly together and using a soldering gun with a flat tip, melt the material securing the components together. Do not over heat the affected area, damage to the exterior of the trim panel may occur.

(b) If the heat staked material is broken or missing, use a hot glue gun to apply new material to the area to be repaired. The panels that are being heat staked must be held together while the applying the glue. Once the new material is in place, it may be necessary to use a soldering gun to melt the newly applied material. Do not over heat the affected area, damage to the exterior of the trim panel may occur.

(4) Allow the repaired area to cool and verify the repair.

(5) Install trim panel.

BODY (Continued)

SPECIFICATIONS

TORQUE SPECIFICATIONS

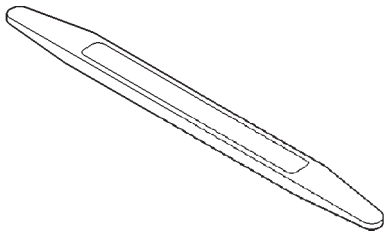
DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.
FENDER BOLTS	12	9	—
FLIP-UP GLASS HINGE BOLTS	7	—	60
FRONT DOOR CHECK STRAP NUTS	12	9	—
FRONT DOOR CHECK STRAP TO A-PILLAR BOLTS	12	9	—
FRONT DOOR GLASS RUN CHANNEL BOLTS	9	—	80
FRONT DOOR HINGE TO A-PILLAR BOLTS	28	21	—
FRONT DOOR HINGE TO DOOR NUTS	23	17	—
FRONT DOOR LATCH SCREW	11	8	—
FRONT DOOR LATCH STRIKER SCREWS	28	21	—
FRONT DOOR OUTSIDE HANDLE NUTS	6	—	55
FRONT DOOR REGULATOR BOLTS	9	—	80
FRONT SEAT BACK RECLINER BOLTS	28	21	—
FRONT SEAT BOLTS/NUT	43	32	—
FRONT SEAT RISER BOLTS	28	21	—
FRONT SEAT TRACK BOLTS	28	21	—
HOOD HINGE TO BODY BOLTS	28	21	—
HOOD HINGE TO HOOD BOLTS	12	9	—
HOOD LATCH NUTS	12	9	—
HOOD LATCH SUPPORT BOLTS	10	—	85
INSTRUMENT PANEL CENTER SUPPORT BRACKET BOLTS	23	17	—
INSTRUMENT PANEL HVAC NUTS/BOLTS	6	—	55
INSTRUMENT PANEL ROLL DOWN BOLTS	54	40	—
INSTRUMENT PANEL TOP BOLTS	28	21	—
OUTSIDE MIRROR NUTS	7	—	65
RADIATOR CROSSMEMBER BOLTS	12	9	—
REAR DOOR CHECK STRAP NUTS	12	9	—
REAR DOOR CHECK STRAP TO A-PILLAR BOLTS	12	9	—
REAR DOOR GLASS RUN CHANNEL BOLTS	9	—	80
REAR DOOR HINGE TO B-PILLAR BOLTS	28	21	—
REAR DOOR HINGE TO DOOR NUTS	23	17	—
REAR DOOR LATCH SCREW	11	8	—
REAR DOOR LATCH STRIKER SCREWS	28	21	—
REAR DOOR OUTSIDE HANDLE NUTS	6	—	55
REAR SEAT BACK HINGE BOLTS	28	21	—
REAR SEAT LATCH/LOCK ASSEMBLY BOLTS	28	21	—
REAR SEAT OUTBOARD NUTS	43	32	—
REAR SEAT OUTER SEAT CUSHION LEG BOLTS	35	26	—
ROOF RACK BOLTS	8	—	75

BODY (Continued)

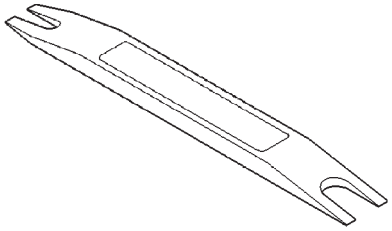
DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.
SIDE VIEW MIRROR NUTS	7	—	65
SWING GATE EXTERIOR HANDLE NUTS	6	—	55
SWING GATE HINGE BOLTS	31	23	—
SWING GATE HINGE TO D-PILLAR BOLTS	31	23	—
SWING GATE LATCH SCREWS	11	8	—
SWING GATE LATCH STRIKER SCREWS	11	8	—
WASHER BOTTLE BOLT	10	—	85

SPECIAL TOOLS

BODY



Trim Stick C-4755



Molding Remover C-4829

Torx Bit Set C-4794-B

BODY STRUCTURE

TABLE OF CONTENTS

ASSEMBLY

SPECIFICATIONS

SPECIFICATION

INDEX

DESCRIPTION	FIGURE
COMPLETE BODY STRUCTURE VIEWS	(1)
BODY STRUCTURE - SECTIONS	(2)

ASSEMBLY (Continued)

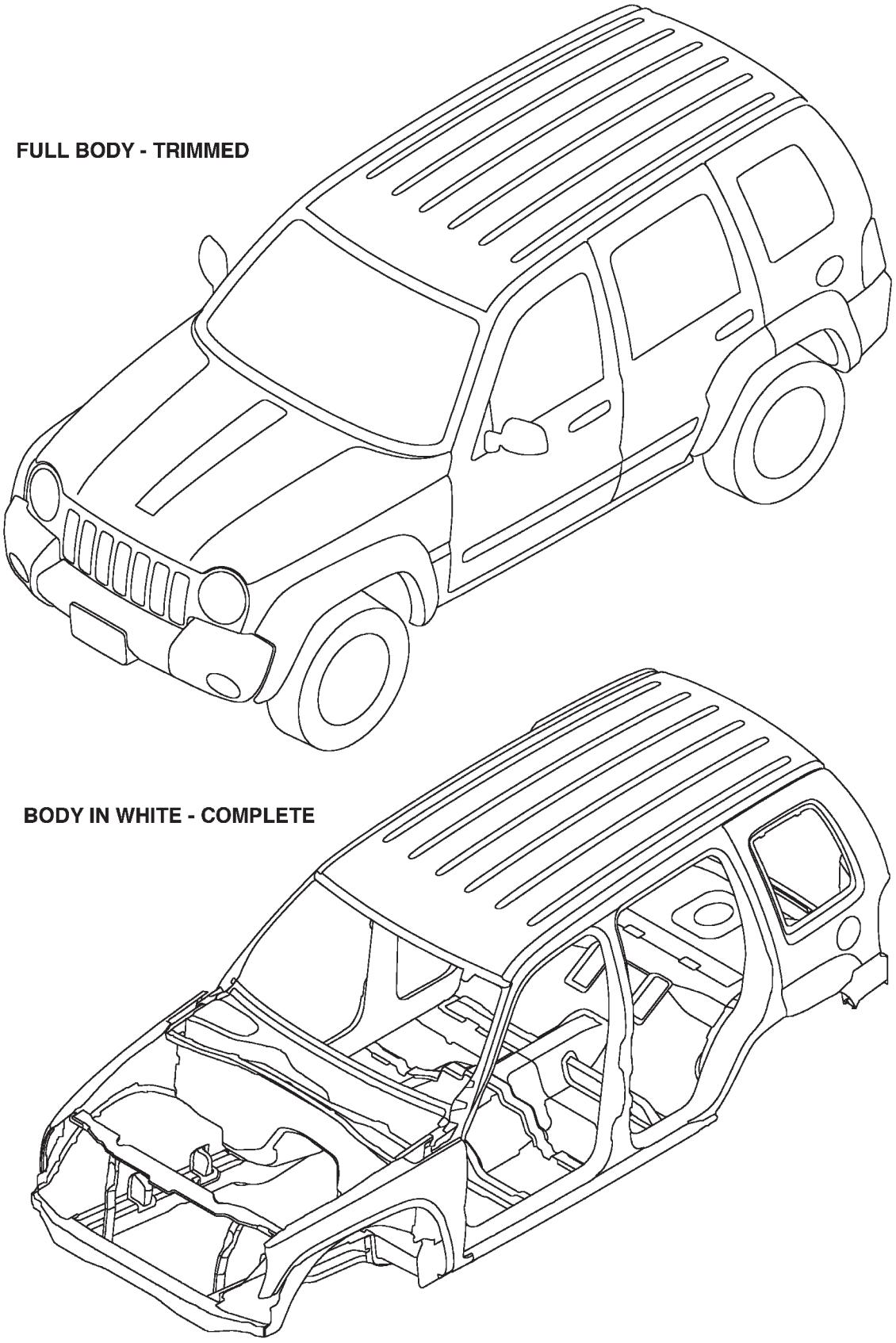


Fig. 1 COMPLETE BODY STRUCTURE VIEWS

ASSEMBLY (Continued)

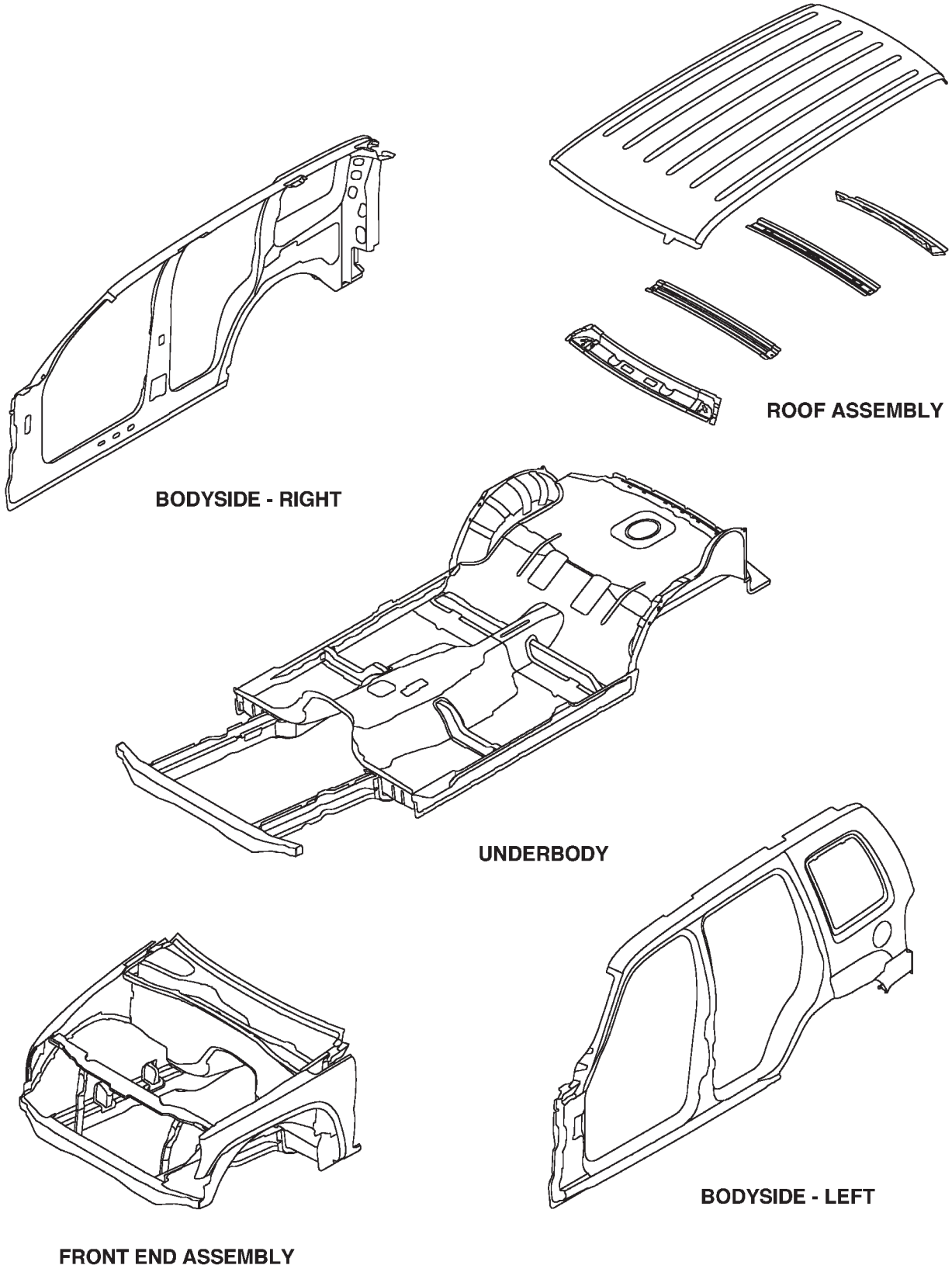


Fig. 2 BODY STRUCTURE - SECTIONS

WELD AND STRUCTURAL ADHESIVE LOCATIONS

SPECIFICATIONS

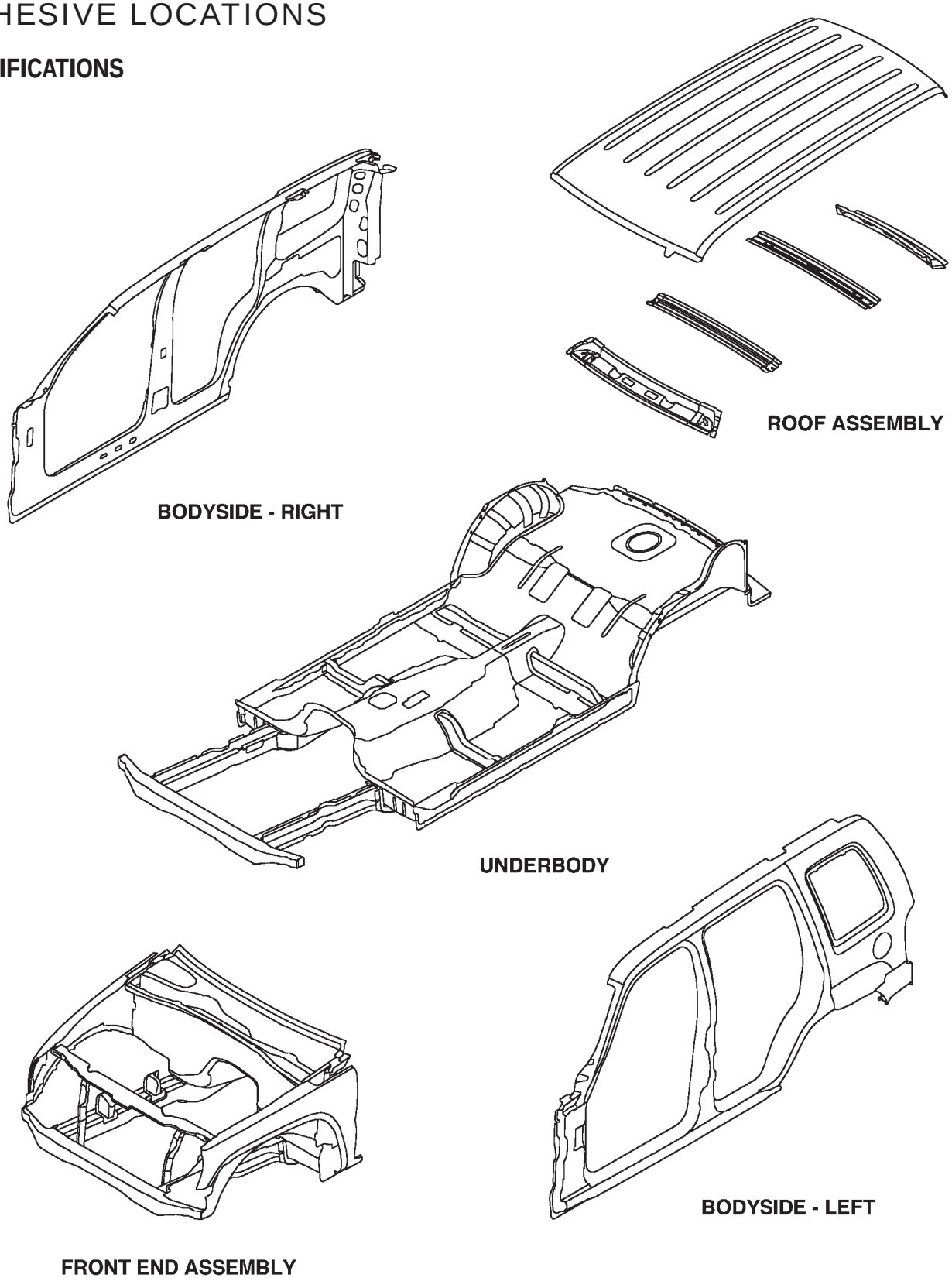


Fig. 3 BODY IN WHITE - SECTIONS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

INDEX

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

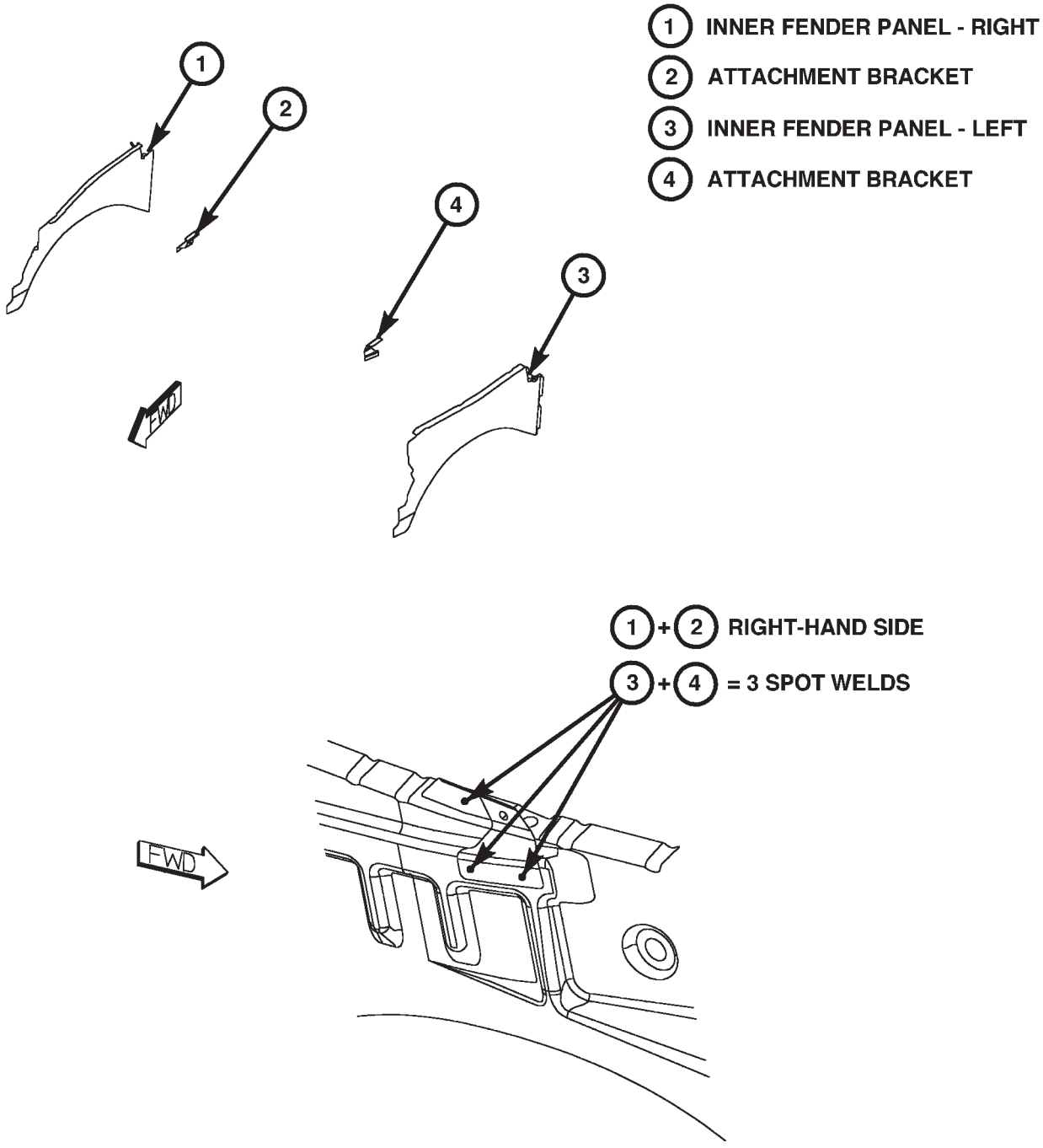
DESCRIPTION	FIGURE
FULL FLOOR PAN ASSEMBLY	
FULL FLOOR PAN ASSEMBLIES	(39)
FLOOR PAN AND RAIL ASSEMBLY ADHESIVE LOCATIONS	(40)
FLOOR PAN AND RAIL ASSEMBLY WELD LOCATIONS	(41)
FLOOR PAN, BODY SIDE SILL, COWL SIDE PANEL AND CROSSMEMBERS	(42)
WHEELHOUSE ADHESIVE LOCATIONS	(43)
WHEELHOUSE WELD LOCATIONS	(44)
BODY SIDE PANELS AND SUB ASSEMBLIES	
A-PILLAR AND HEADER MOUNTING REINFORCEMENTS	(45)
B-PILLAR REINFORCEMENTS	(46)
C-PILLAR AND SEAT BACK MOUNTING REINFORCEMENTS	(47)
D-PILLAR REINFORCEMENTS	(48)
TAIL LAMP MOUNTING PANEL AND GATE STRIKER REINFORCEMENT	(49)
TAIL LAMP MOUNTING PANEL AND TAIL LAMP EXTENSION	(50)
SWING GATE OPENING PANEL AND ROOF HEADER	(51)
BODY SIDE PANELS	
BODY SIDE PANEL ASSEMBLY	(52)
BODY SIDE OUTER, INNER FENDER REINFORCEMENT AND FENDER ASSEMBLY	(53)
BODY SIDE OUTER AND INNER PANELS; A-PILLAR	(54)
LOWER INNER BODY SIDE PANELS AND UPPER A-PILLARS	(55)
BODY SIDE PANEL ASSEMBLIES AND B-PILLAR.	(56)
BODY SIDE PANEL ASSEMBLIES AND C-PILLAR REINFORCEMENT	(57)
QUARTER WINDOW OPENING; SEAT BACK ATTACH REINFORCEMENT; C-PILLAR REINFORCEMENT	(58)
BODY SIDE PANEL ASSEMBLIES AND OUTER REAR WHEELHOUSES	(59)
OUTER REAR WHEELHOUSE WELDS AND ADHESIVE LOCATIONS	(60)
D-PILLAR AND TAIL LAMP ASSEMBLY WELD AND ADHESIVE LOCATIONS	(61)
SWING GATE STRIKER REINFORCEMENT WELDS AND ADHESIVE LOCATIONS	(62)
REAR WHEELHOUSE WELDS AND TAIL LAMP ADHESIVE LOCATIONS	(63)
FENDER ASSEMBLIES	
INNER FENDER REINFORCEMENT AND GUSSETS	(64)
INNER FENDER REINFORCEMENT, GUSSETS, PLENUM AND WHEELHOUSES	(65)
INNER FENDER REINFORCEMENT AND WHEELHOUSES	(66)
PLENUM ASSEMBLY AND INNER SIDE PANELS	(67)
ROOF PANEL ASSEMBLIES	
ROOF PANEL ASSEMBLY	(68)
ROOF PANEL AND BODY SIDE WELD AND ADHESIVE LOCATIONS	(69)
ROOF PANEL AND BODY SIDE WELD AND ADHESIVE LOCATIONS - SUNROOF EQUIPPED	(70)
ROOF AND HEADER PANEL ASSEMBLY	(71)

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

DESCRIPTION	FIGURE
BODY SIDE PANELS & FLOOR PAN ASSEMBLIES	
BODY SIDE PANEL AND FLOOR PAN ASSEMBLIES	(72)
BODY SIDE SILLS AND REAR WHEELHOUSES	(73)
ROOF HEADER AND WHEELHOUSE WELDS AND ADHESIVE LOCATIONS	(74)
SWING GATE OPENING PANEL; GATE STRIKER REINFORCEMENT; D-PILLAR REINFORCEMENT ADHESIVE AND WELD LOCATIONS	(75)
SWING GATE OPENING PANEL; D-PILLAR LOWER TO FLOOR GUSSET; GATE OPENING REINFORCEMENT	(76)
REAR FLOOR PAN AND CROSSMEMBER; TAIL LAMP MOUNTING; SWING GATE OPENING PANEL;	(77)

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

FRONT END ASSEMBLY



LEFT-HAND SHOWN
RIGHT-HAND OPPOSITE

Fig. 4 INNER FRONT PANELS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

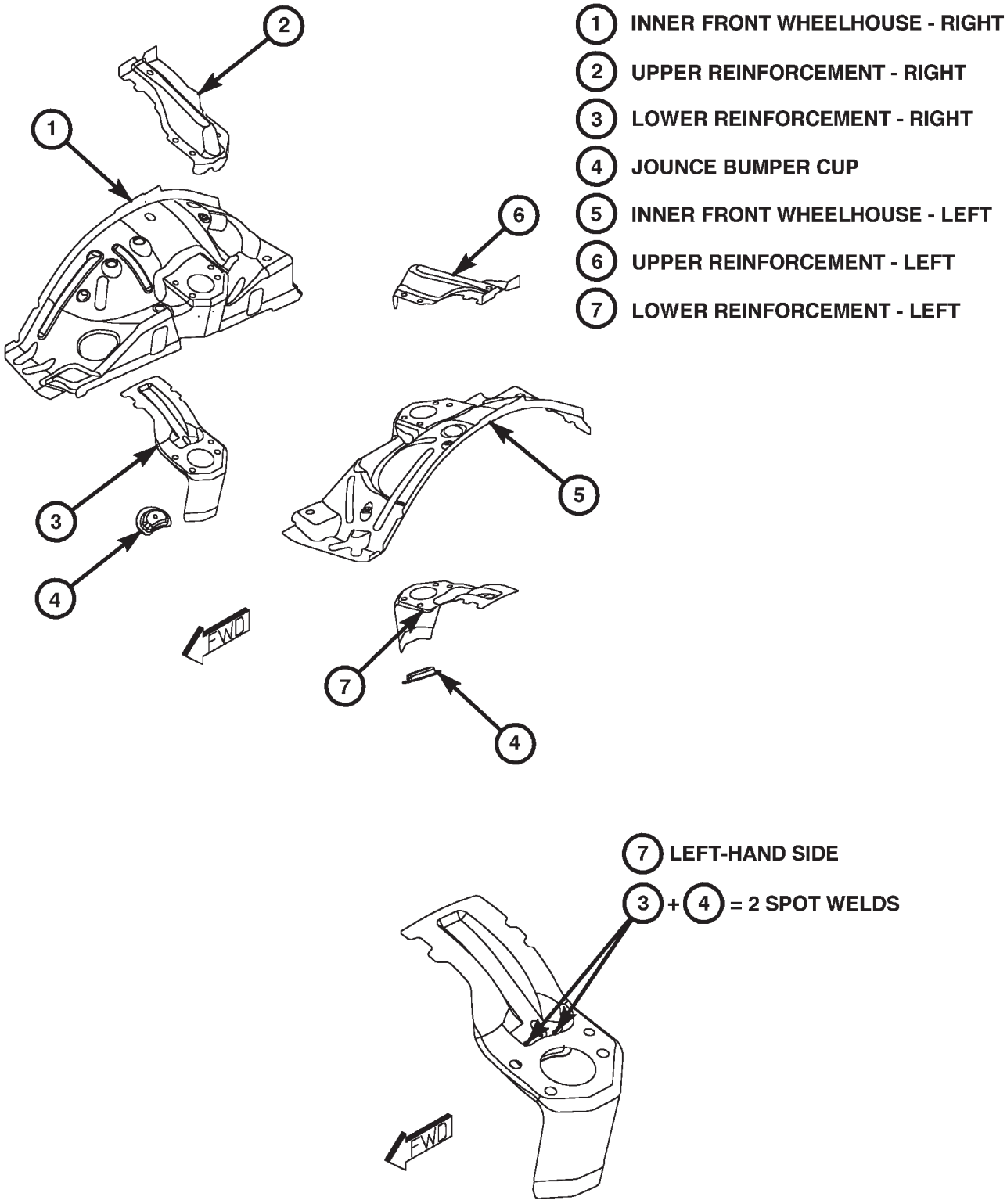


Fig. 5 INNER WHEEL HOUSES

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

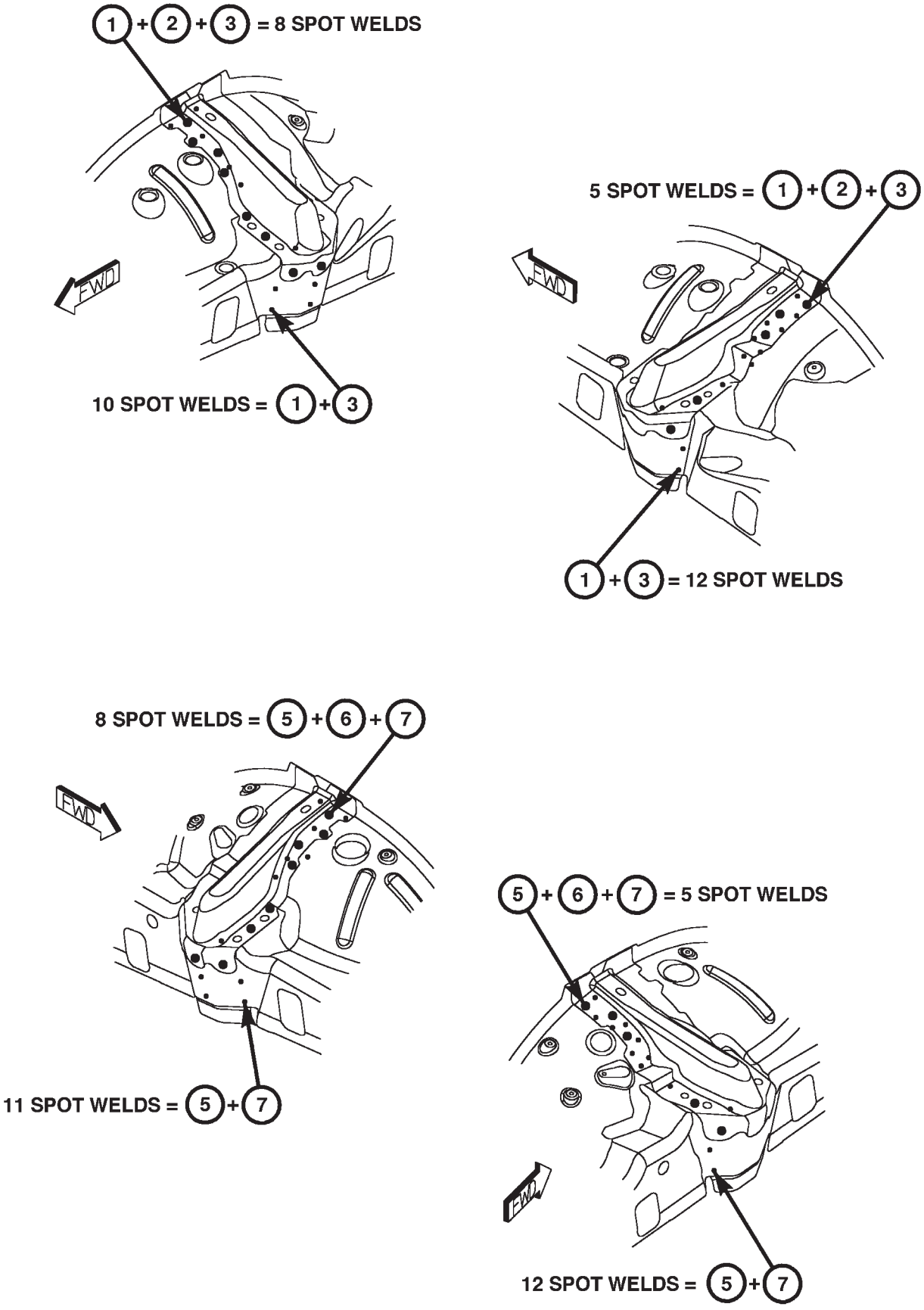


Fig. 6 INNER WHEEL HOUSES

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

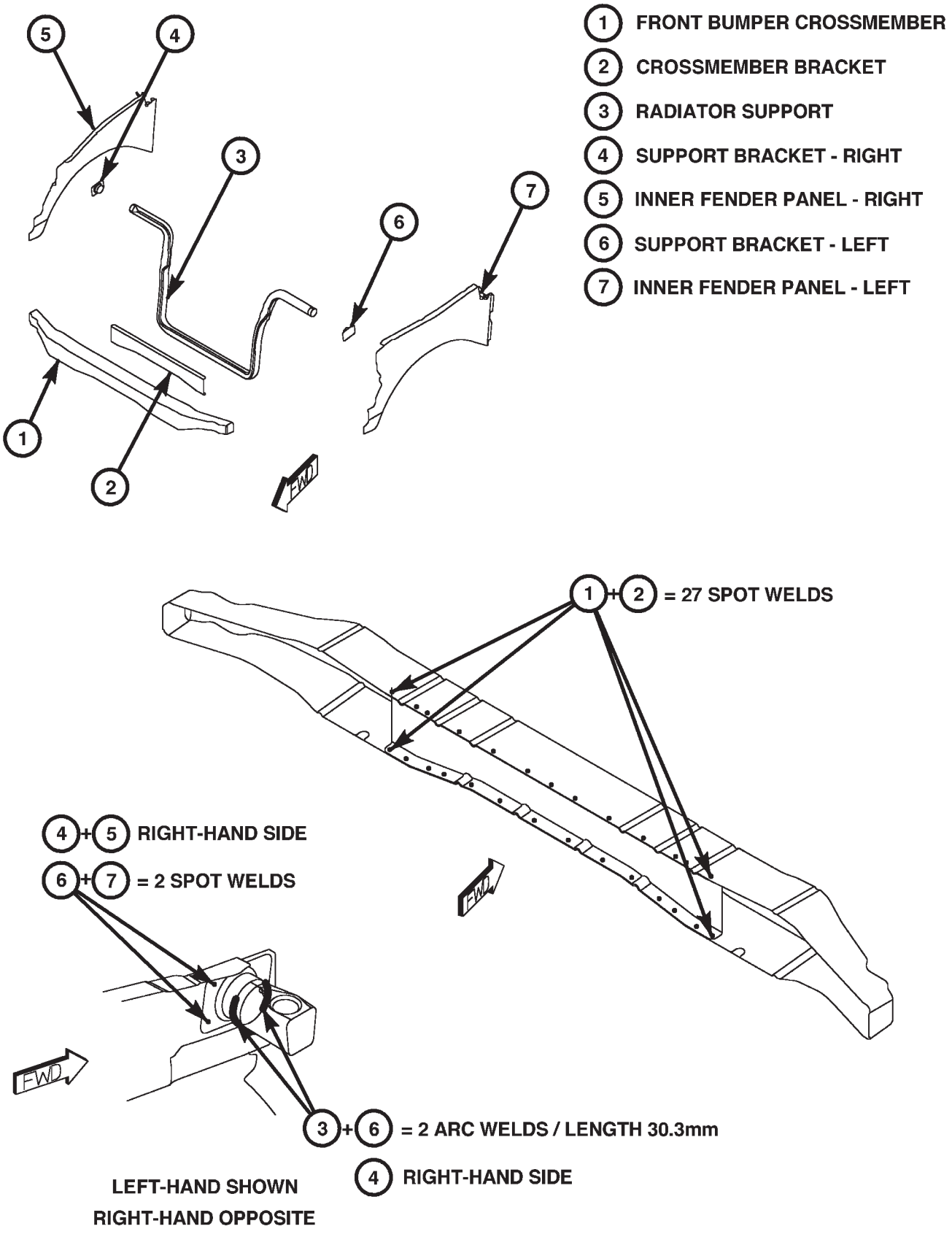


Fig. 7 FRONT BUMPER CROSSMEMBER

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

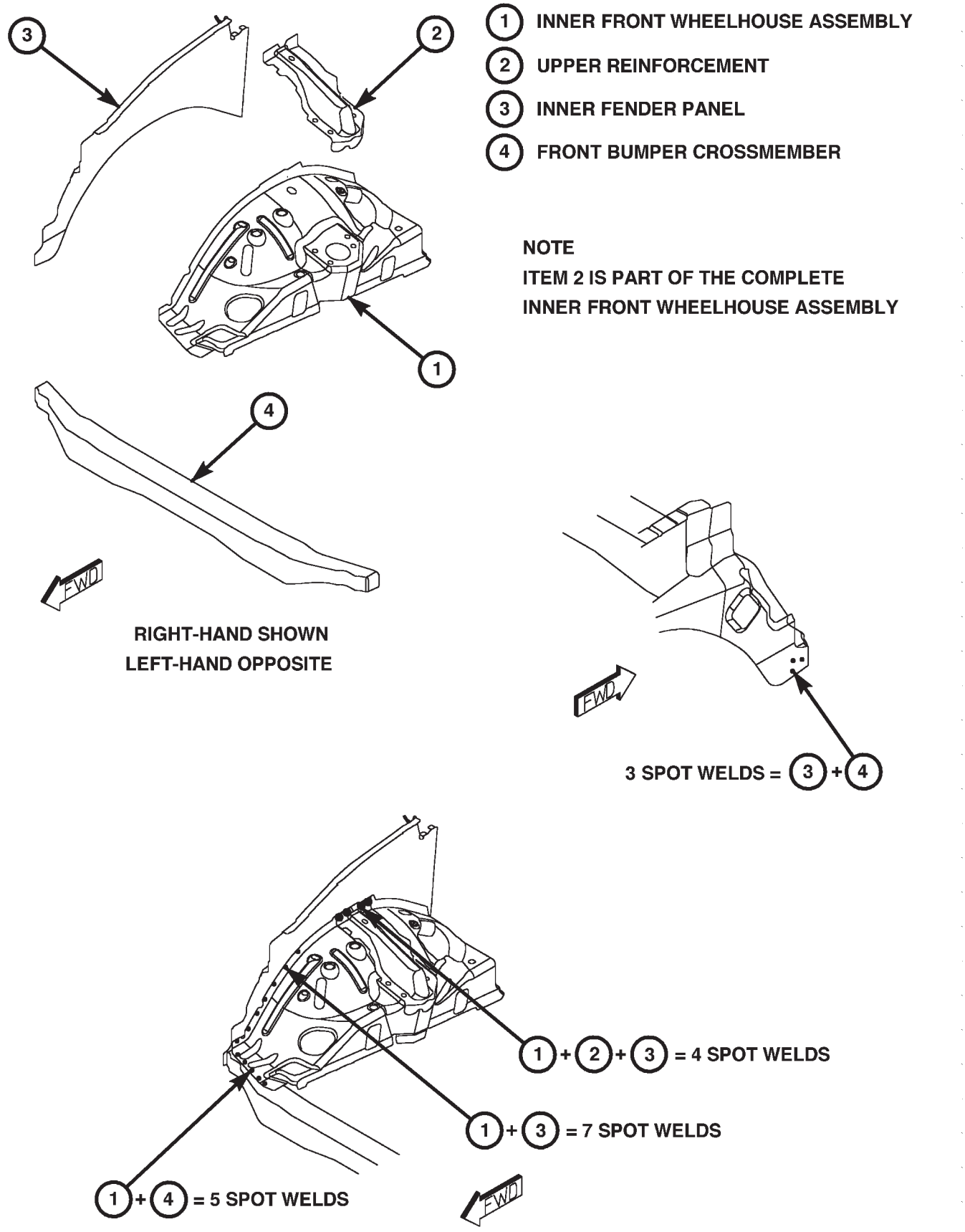
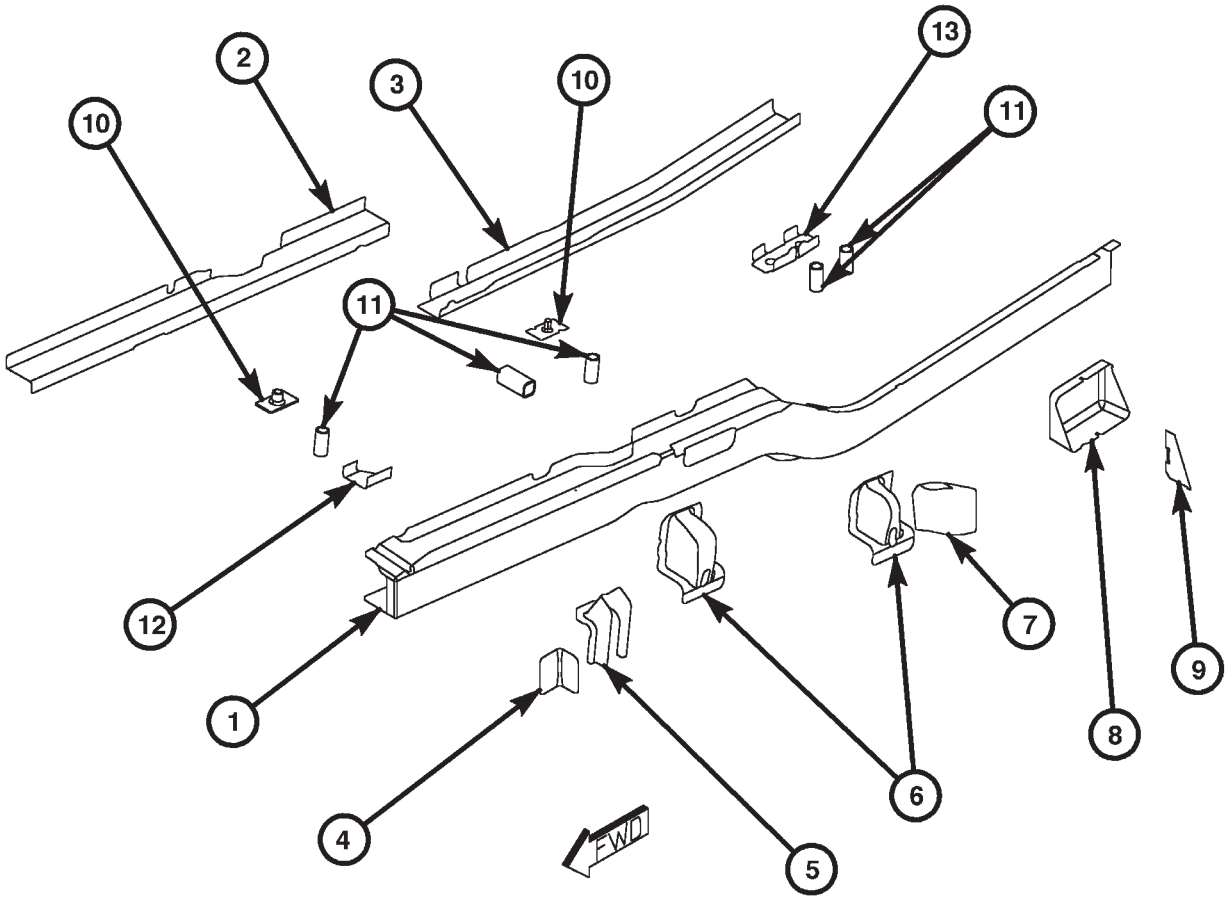


Fig. 8 INNER FRONT WHEELHOUSE

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

1. FRONT INNER RAIL
2. TIP REINFORCEMENT
3. U-CHANNEL REINFORCEMENT
4. FRONT RAIL TO CROSSMEMBER BRACKET
5. RAD SUPPORT AND RAIL BRACKET
6. MOUNTING BRACKET
7. REINFORCEMENT PLATE
8. ATTACHMENT BRACKET
9. ATTACHMENT BRACKET GUSSET
10. TAPPING PLATE
11. CRUSH TUBE SPACER
12. CLOSEOUT SPACER BRACKET
13. REAR SPACER BRACKET



RIGHT-HAND SHOWN
LEFT-HAND OPPOSITE UNLESS SHOWN

Fig. 9 FRONT INNER RAILS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

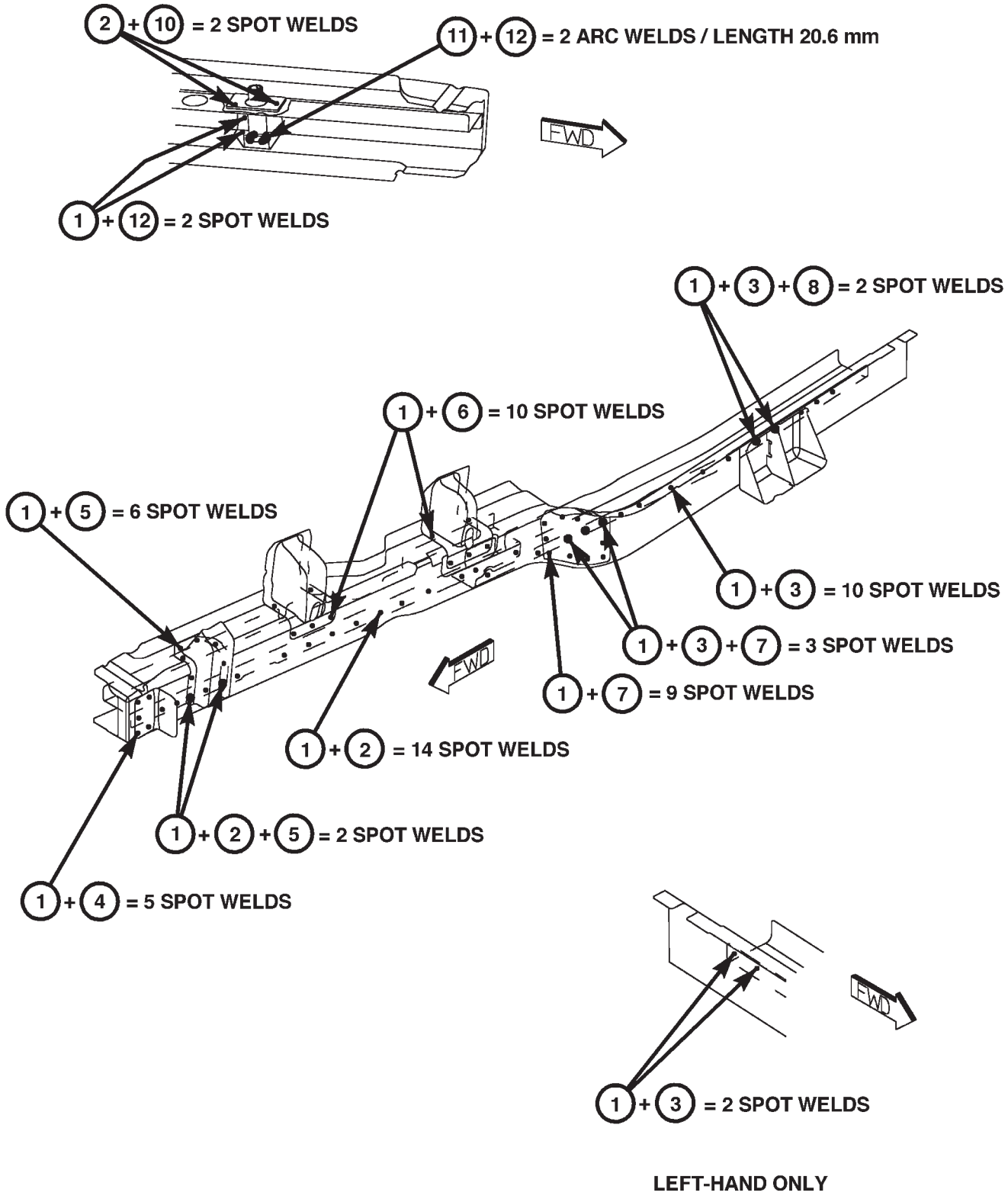


Fig. 10 FRONT INNER RAILS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

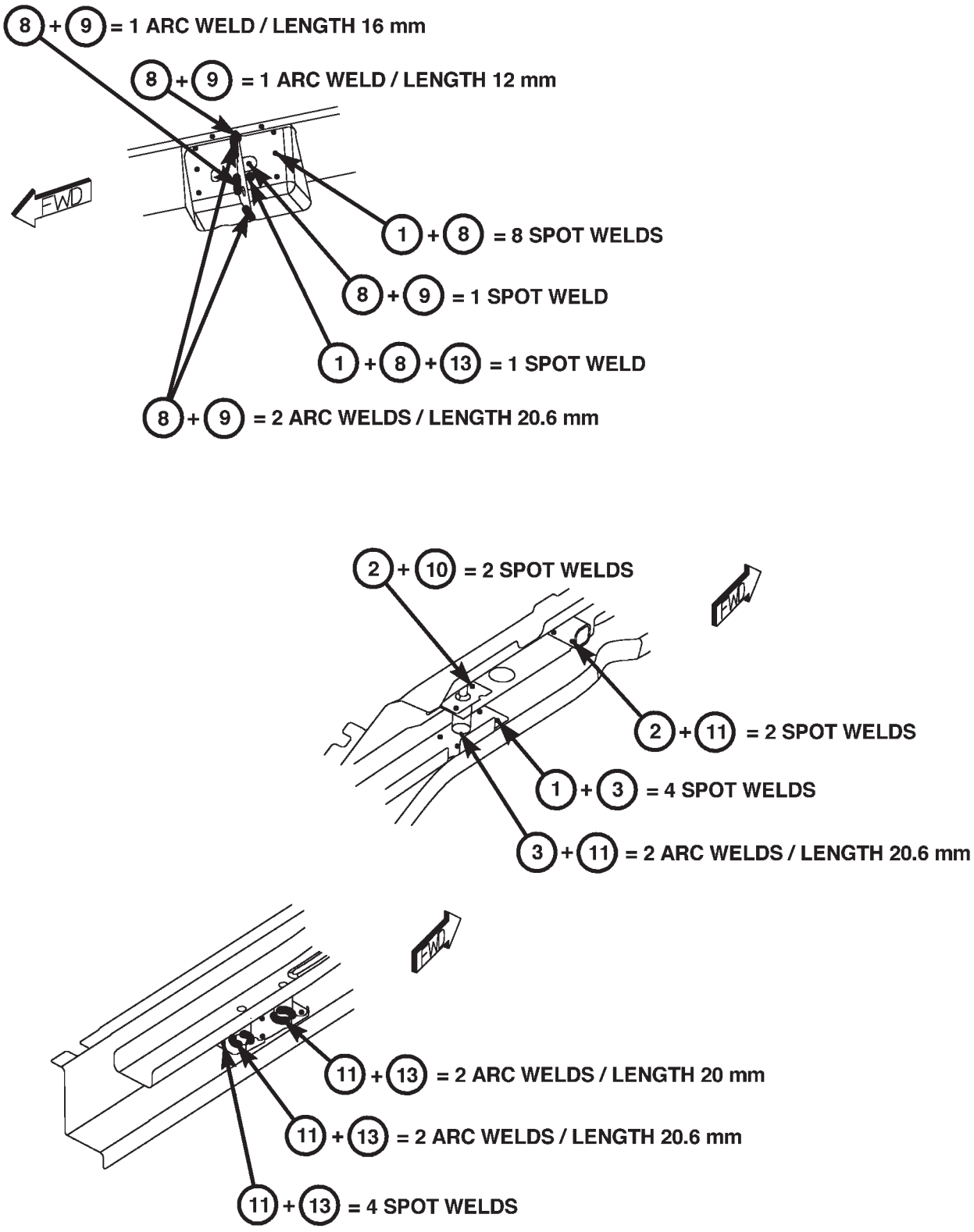
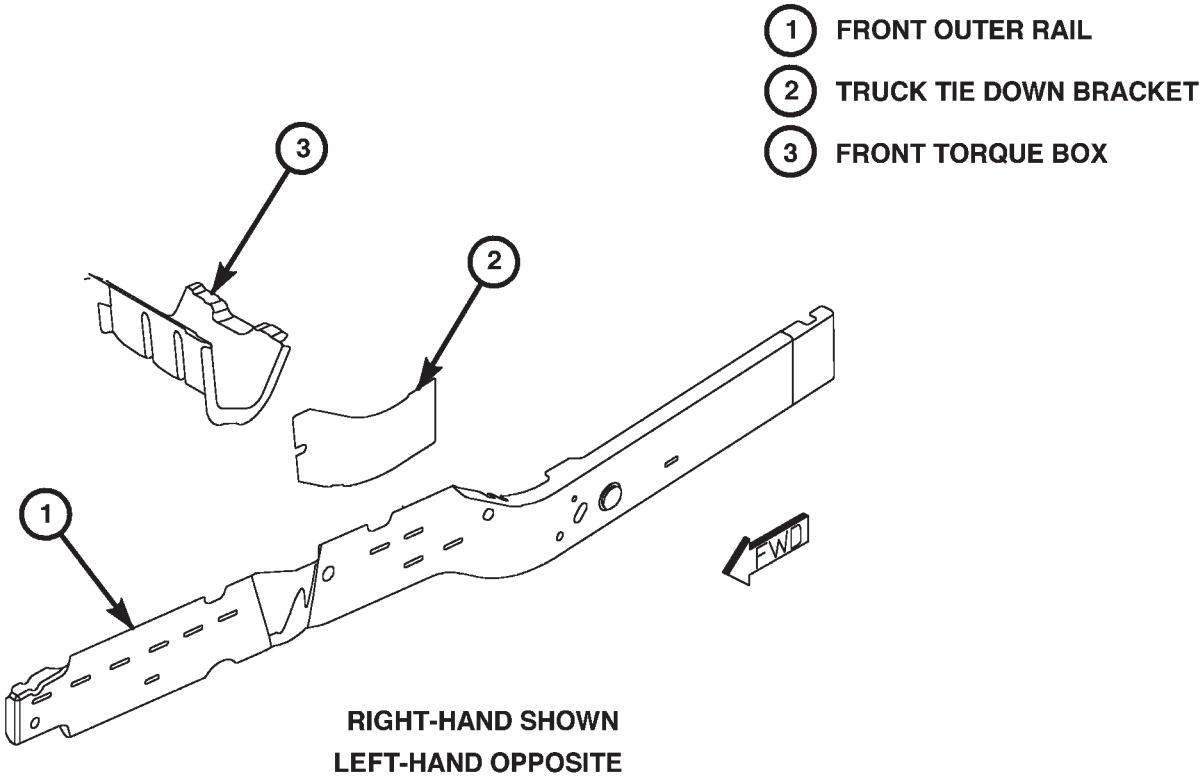


Fig. 11 FRONT INNER RAILS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)



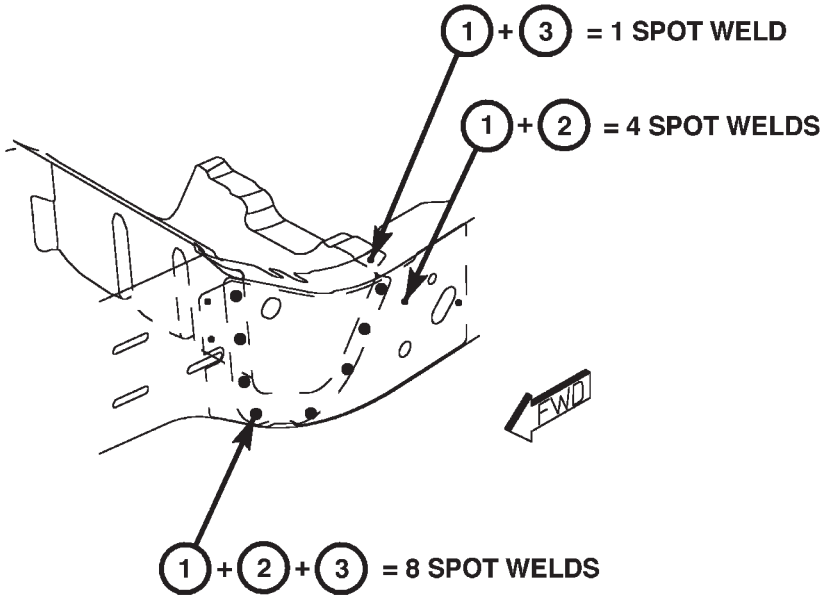
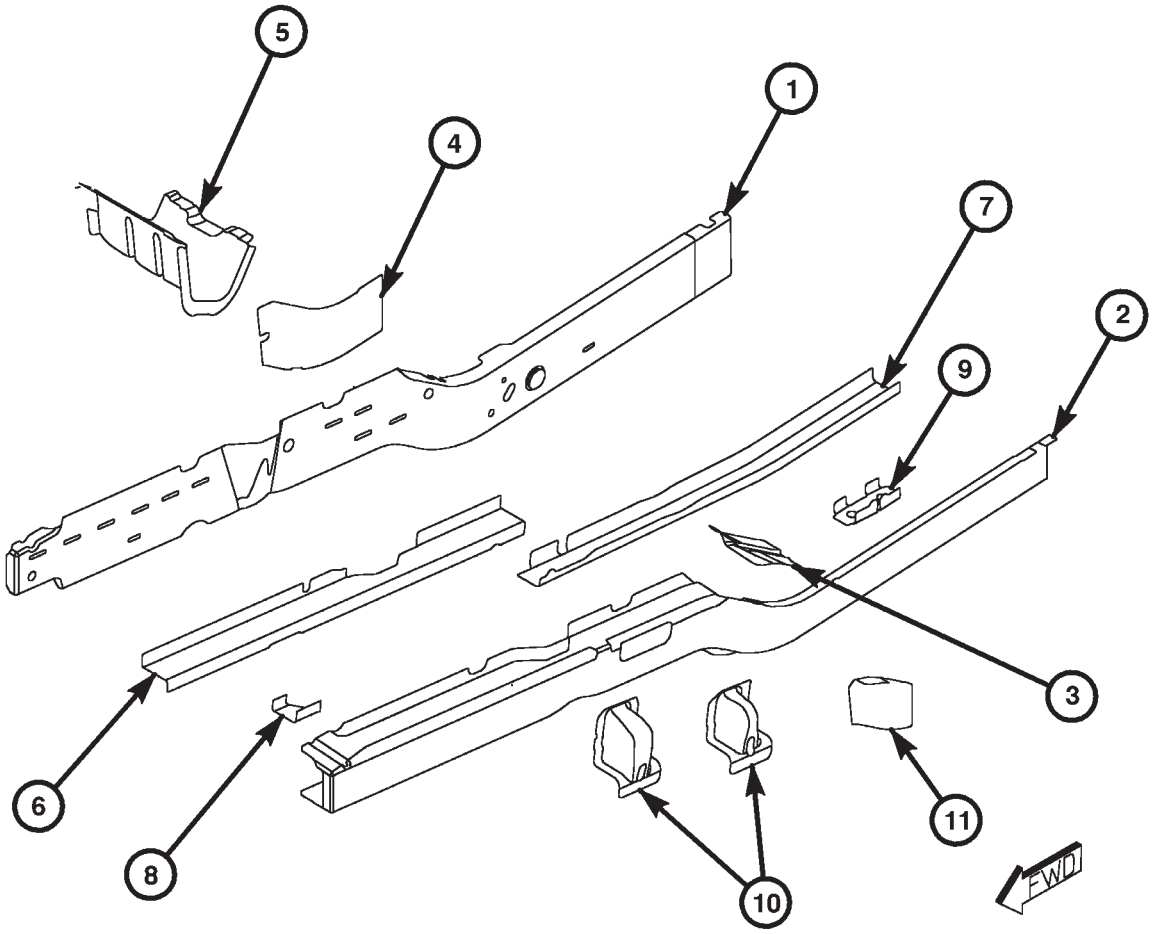


Fig. 12 FRONT OUTER RAIL

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

1. FRONT OUTER RAIL ASSEMBLY
2. FRONT INNER RAIL ASSEMBLY
3. FRONT FLOOR REINFORCEMENT PLATE
4. TRUCK TIE DOWN BRACKET
5. FRONT TORQUE BOX
6. TIP REINFORCEMENT
7. U-CHANNEL REINFORCEMENT
8. CLOSEOUT SPACER BRACKET
9. REAR SPACER BRACKET
10. MOUNTING BRACKET
11. REINFORCEMENT PLATE

NOTE
ITEMS 4,5 ARE PARTS OF THE FRONT OUTER RAIL ASSEMBLY
ITEMS 6,7,8,9,10 AND 11 ARE PARTS OF THE FRONT INNER RAIL ASSEMBLY



RIGHT-HAND SHOWN
LEFT-HAND OPPOSITE UNLESS SHOWN

Fig. 13 FRONT OUTER RAILS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

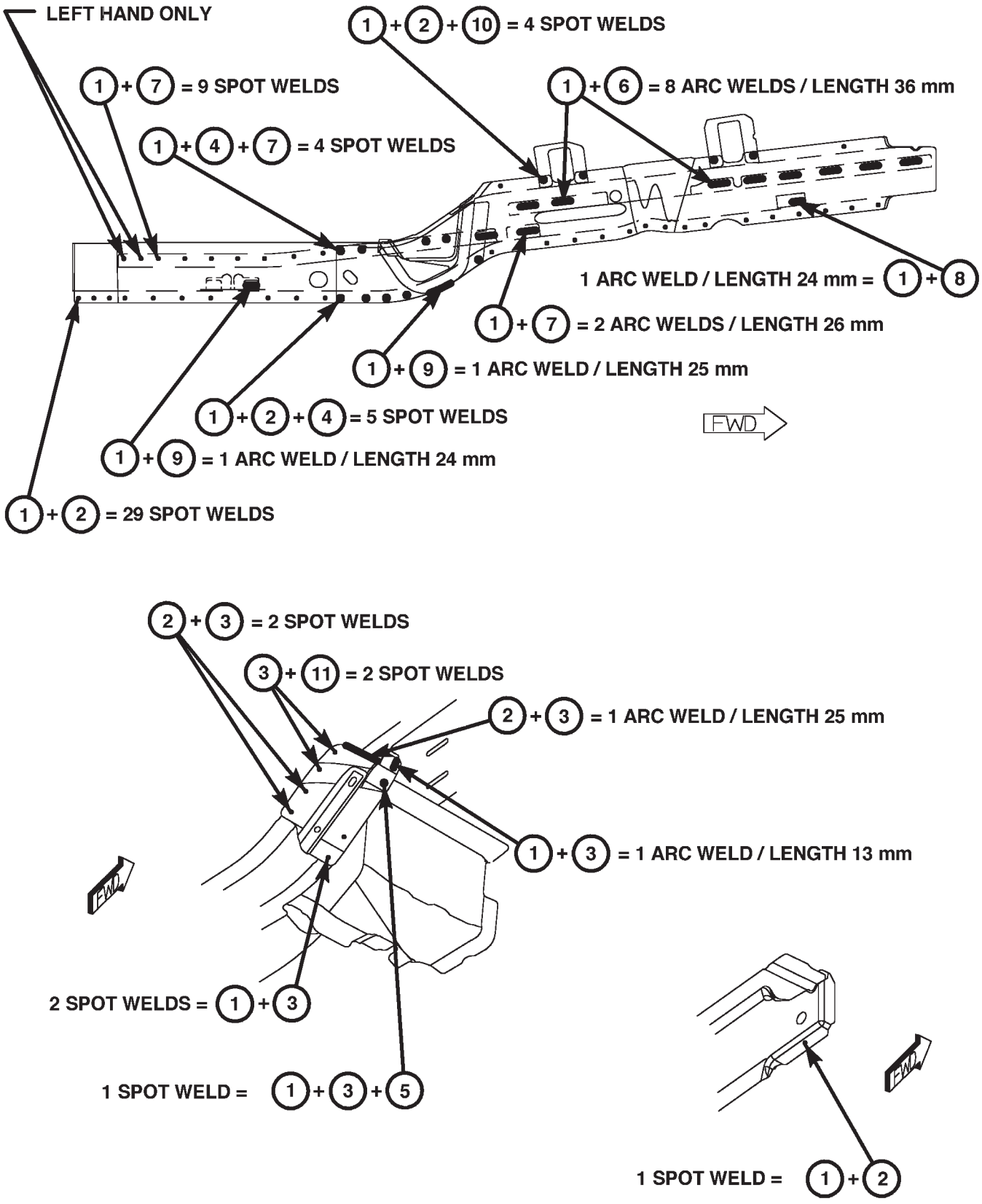


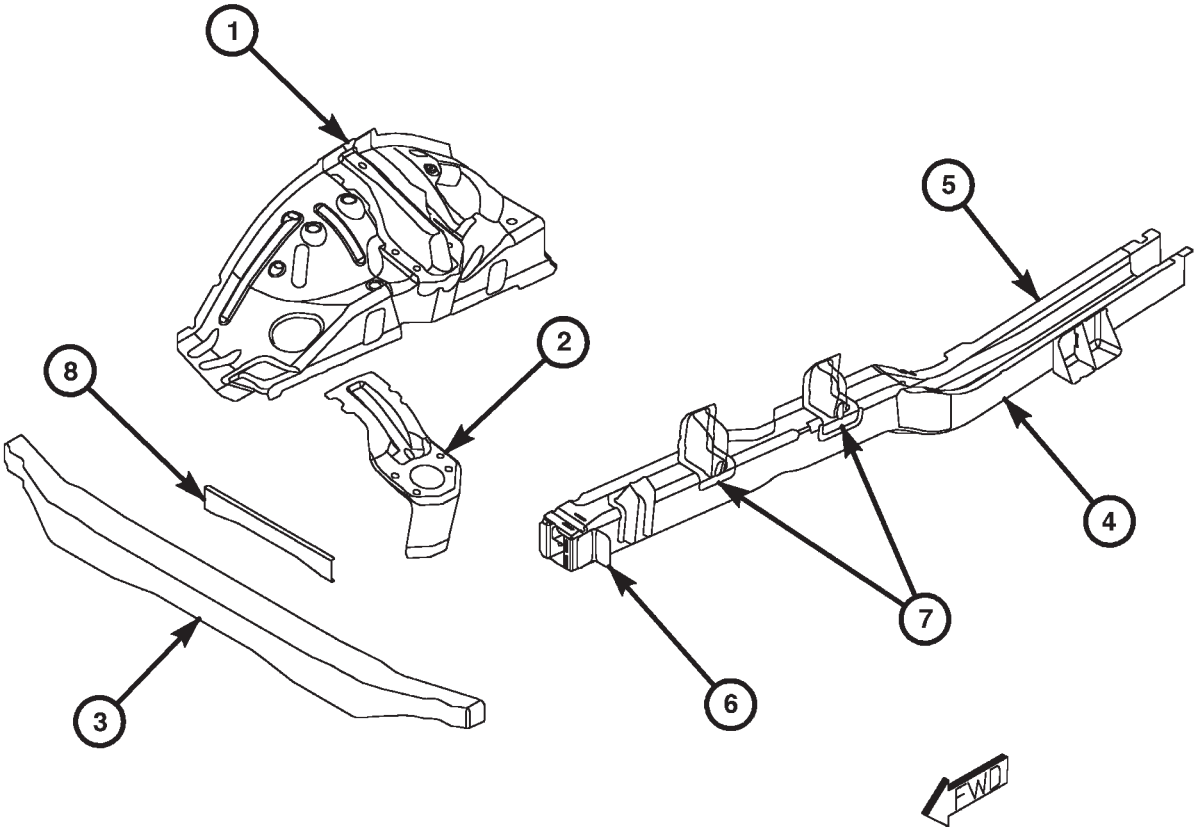
Fig. 14 FRONT OUTER RAILS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

1. INNER FRONT WHEELHOUSE
2. LOWER REINFORCEMENT
3. FRONT BUMPER CROSSMEMBER
4. FRONT INNER RAIL ASSEMBLY
5. FRONT OUTER RAIL ASSEMBLY
6. FRONT RAIL TO CROSSMEMBER BRACKET
7. MOUNTING BRACKET
8. CROSSMEMBER BRACKET

NOTE

ITEMS 4,5,6 AND 7 ARE PARTS OF THE COMPLETE FRONT RAIL ASSEMBLY
ITEM 2 IS PART OF THE COMPLETE INNER FRONT WHEELHOUSE ASSEMBLY
ITEM 8 IS PART OF THE COMPLETE FRONT BUMPER CROSSMEMBER ASSEMBLY



RIGHT-HAND SHOWN
LEFT-HAND OPPOSITE

Fig. 15 INNER FRONT WHEELHOUSE/FRONT INNER RAIL

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

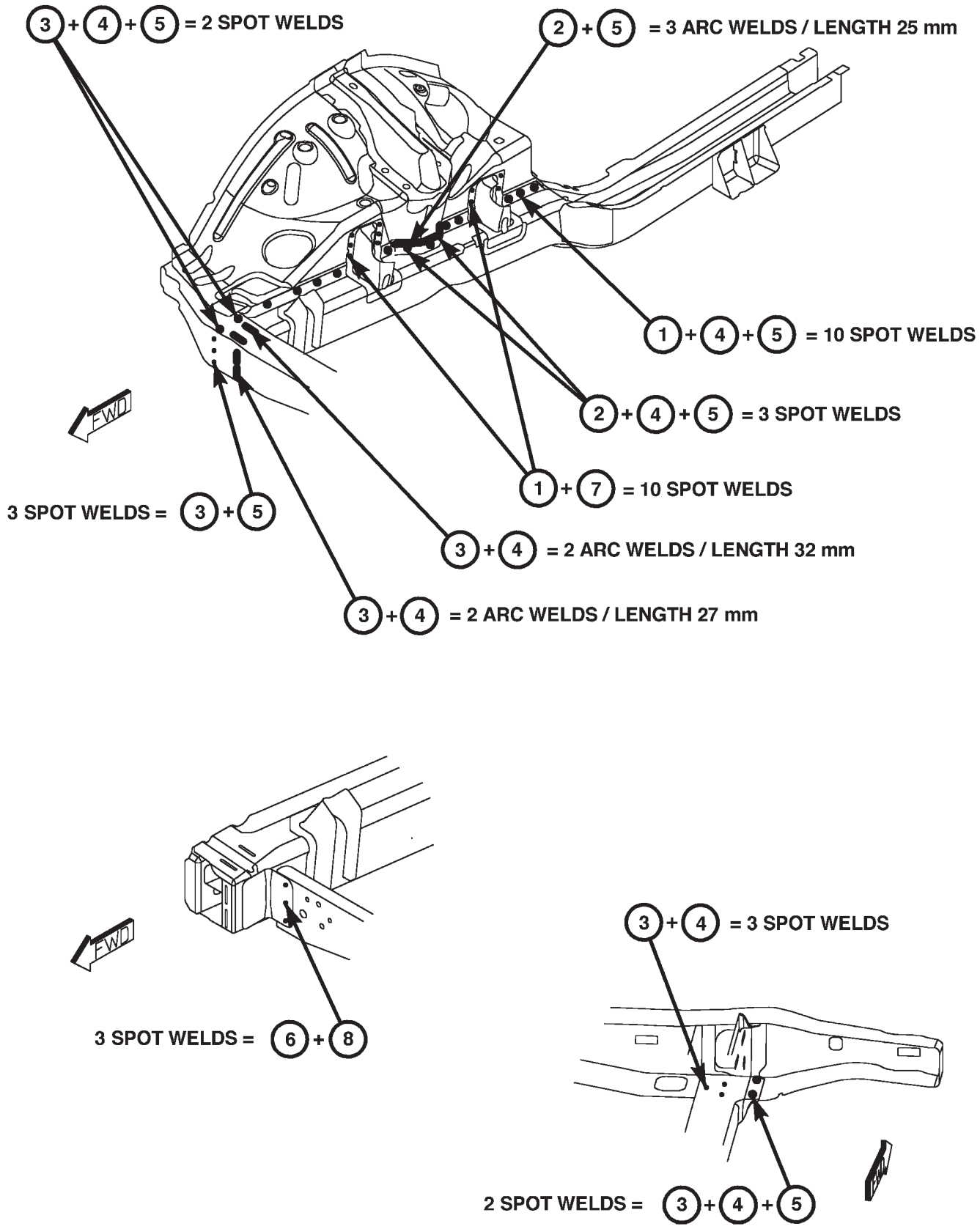
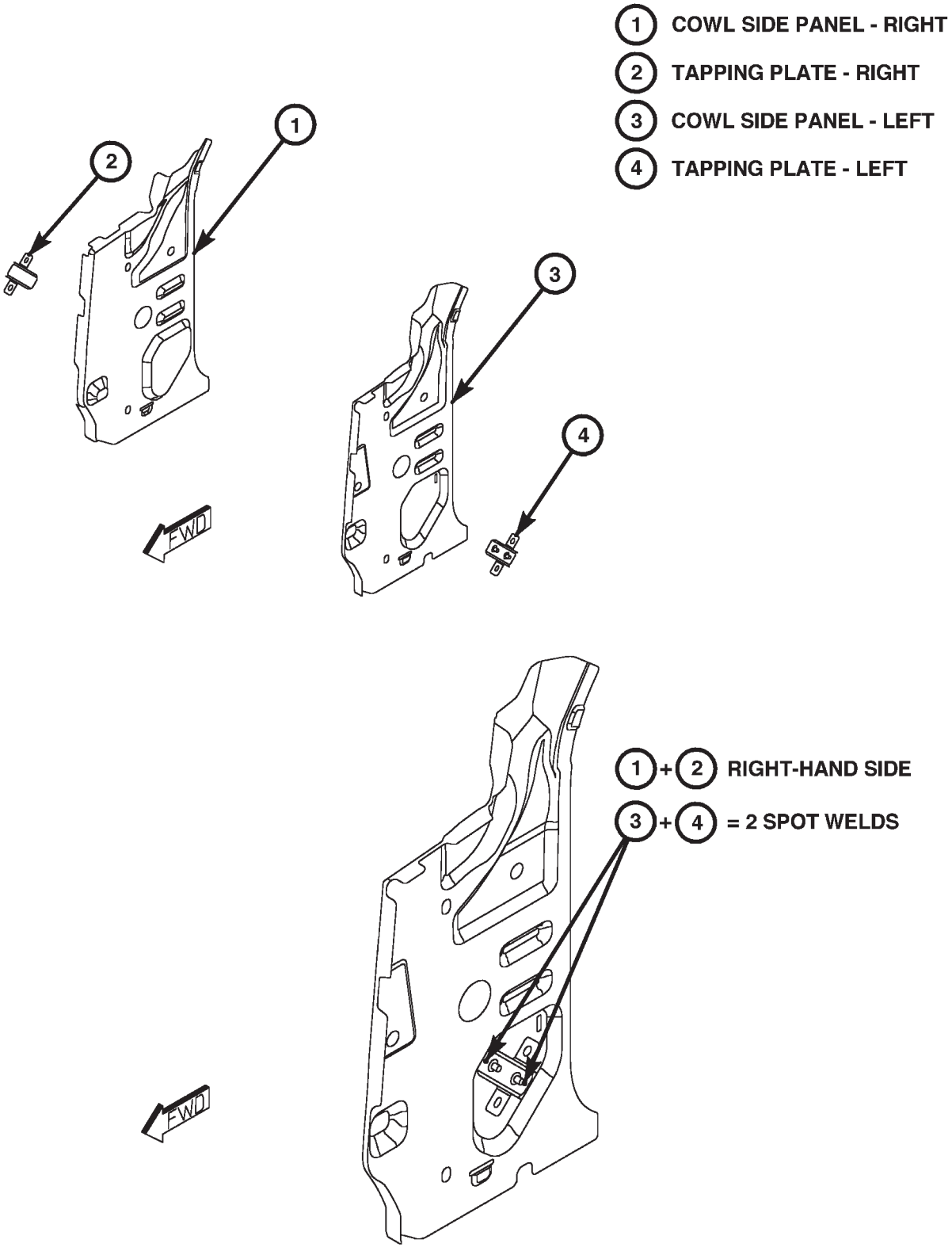


Fig. 16 INNER FRONT WHEELHOUSE/FRONT INNER RAIL

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)



LEFT-HAND SHOWN
RIGHT-HAND OPPOSITE

Fig. 17 COWL SIDE PANEL

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

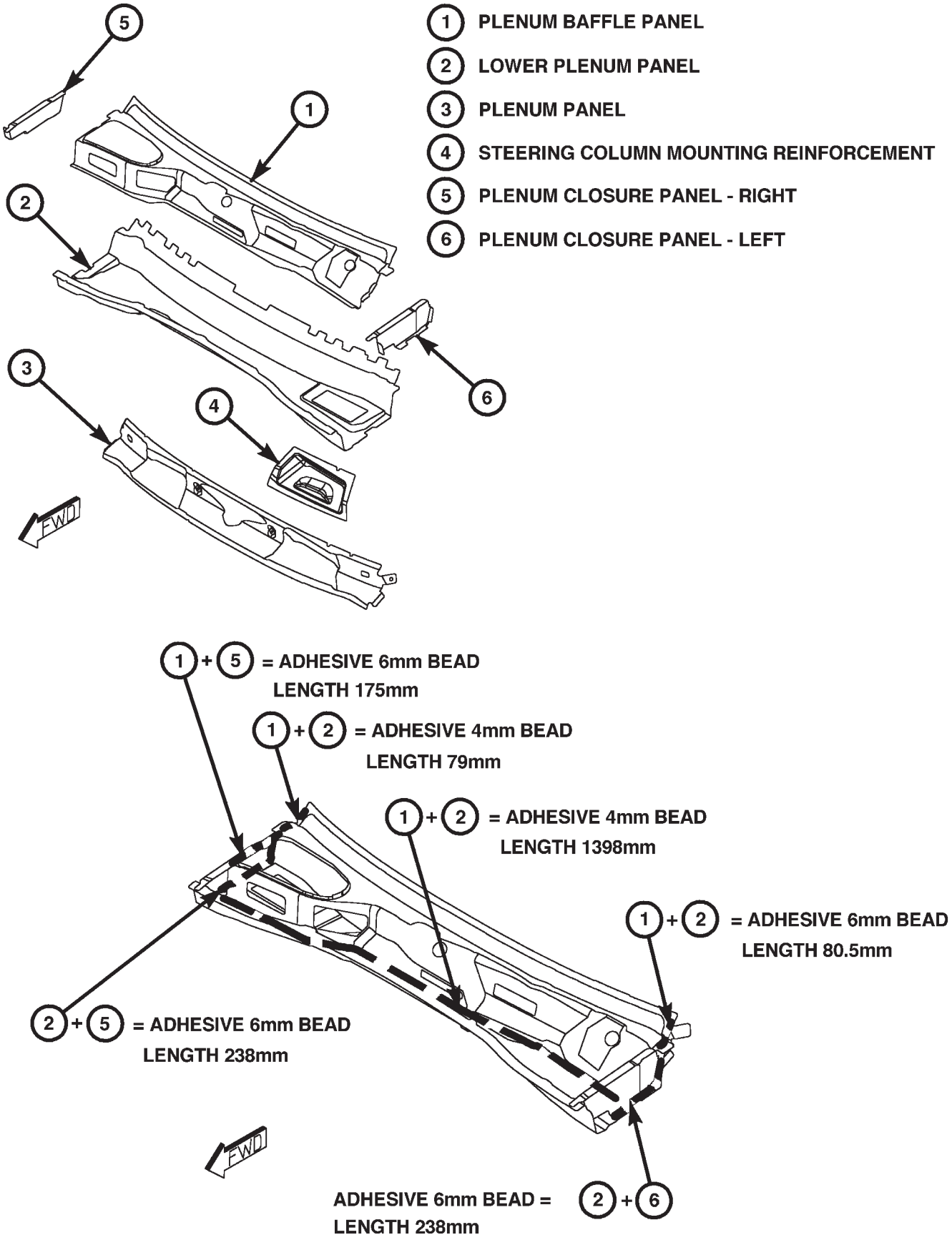


Fig. 18 PLENUM ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

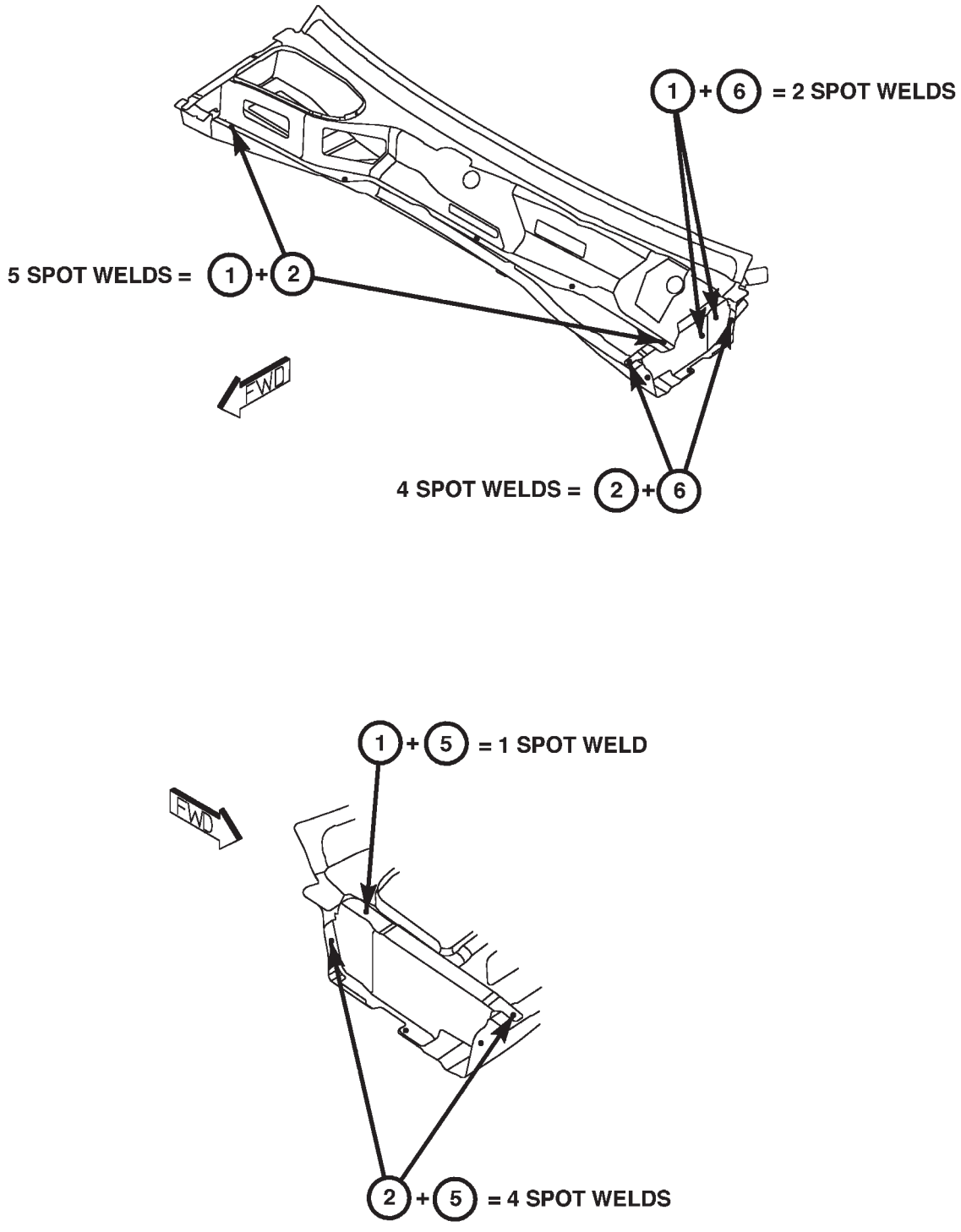
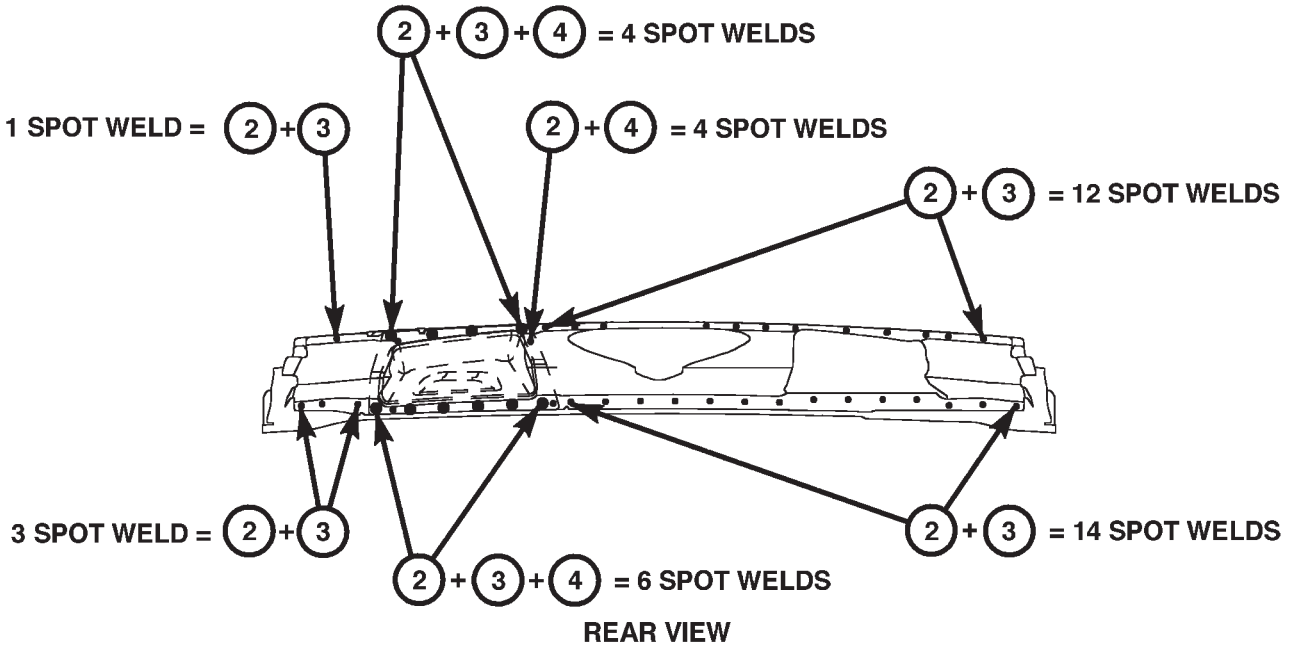


Fig. 19 PLENUM ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)



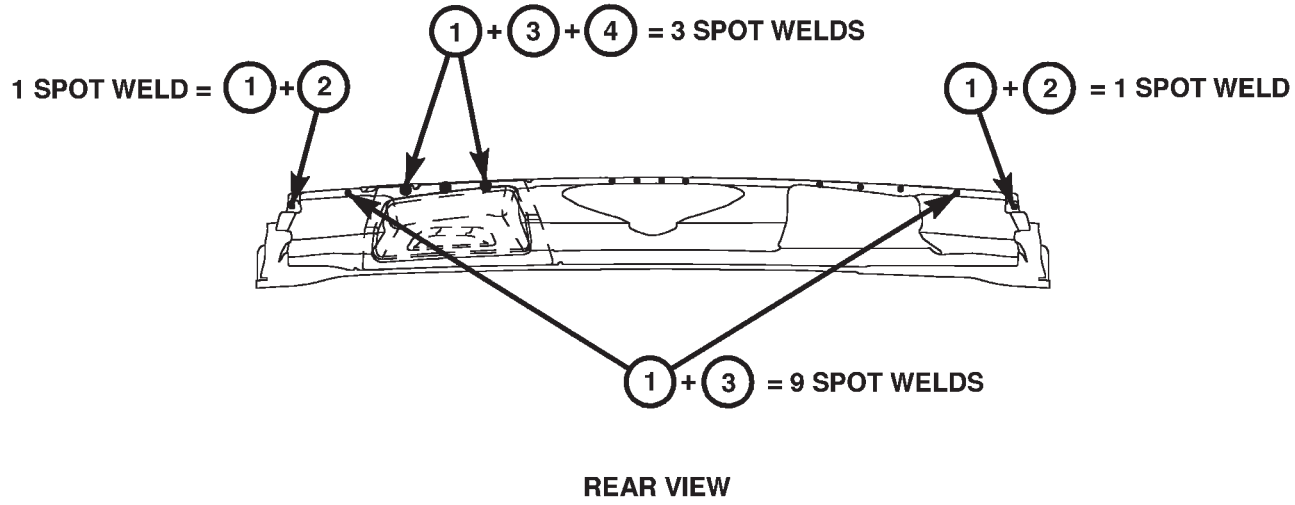
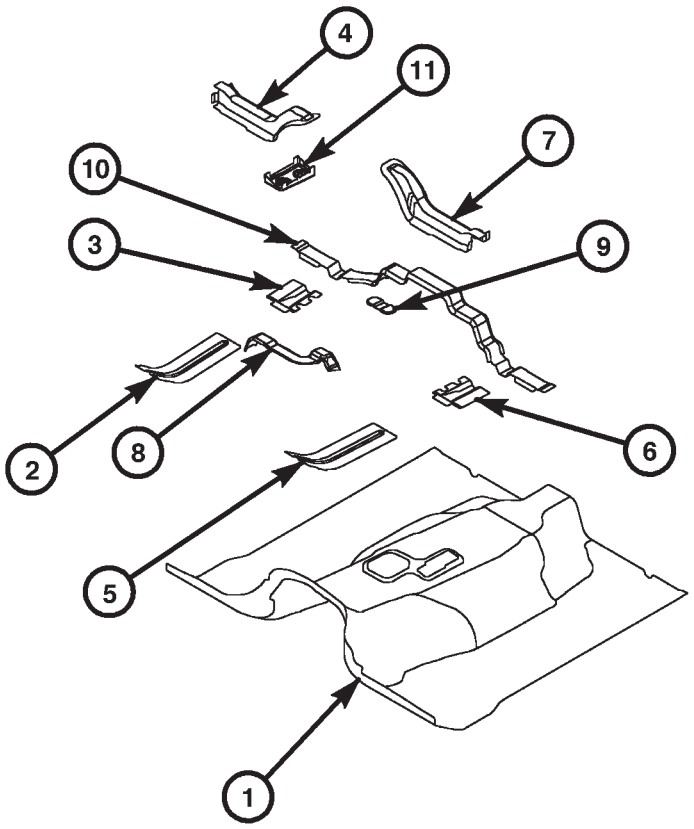


Fig. 20 PLENUM ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

FRONT END ASSEMBLY/UNDERBODY



1. FRONT FLOOR PAN
2. FRONT COMPRESSION PLATE - RIGHT
3. REAR COMPRESSION PLATE - RIGHT
4. FRONT SEAT CROSSMEMBER - RIGHT
5. FRONT COMPRESSION PLATE - LEFT
6. REAR COMPRESSION PLATE - LEFT
7. FRONT SEAT CROSSMEMBER - LEFT
8. TUNNEL FRONT REINFORCEMENT
9. TUNNEL CENTER REINFORCEMENT
10. FRONT SEAT CROSSMEMBER
11. ACM MOUNTING BRACKET

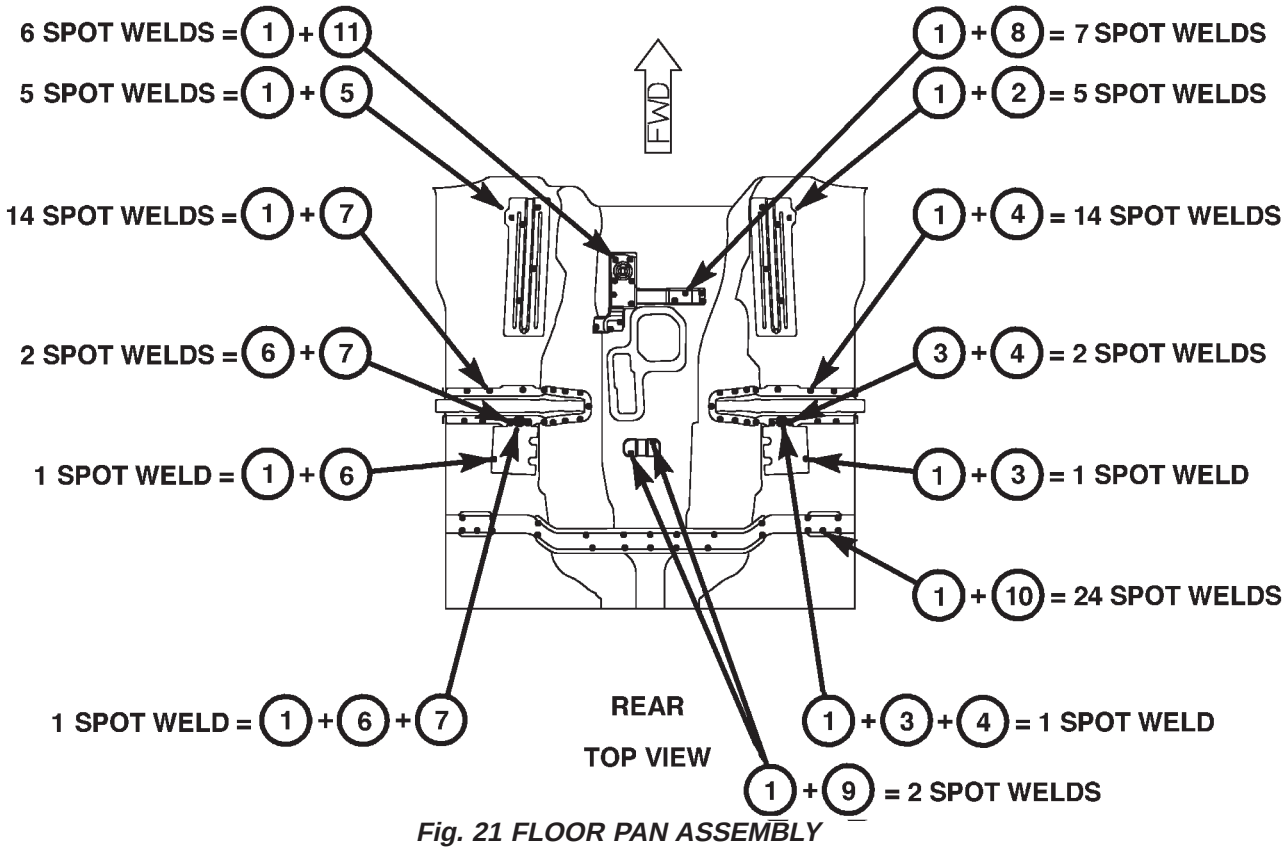


Fig. 21 FLOOR PAN ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

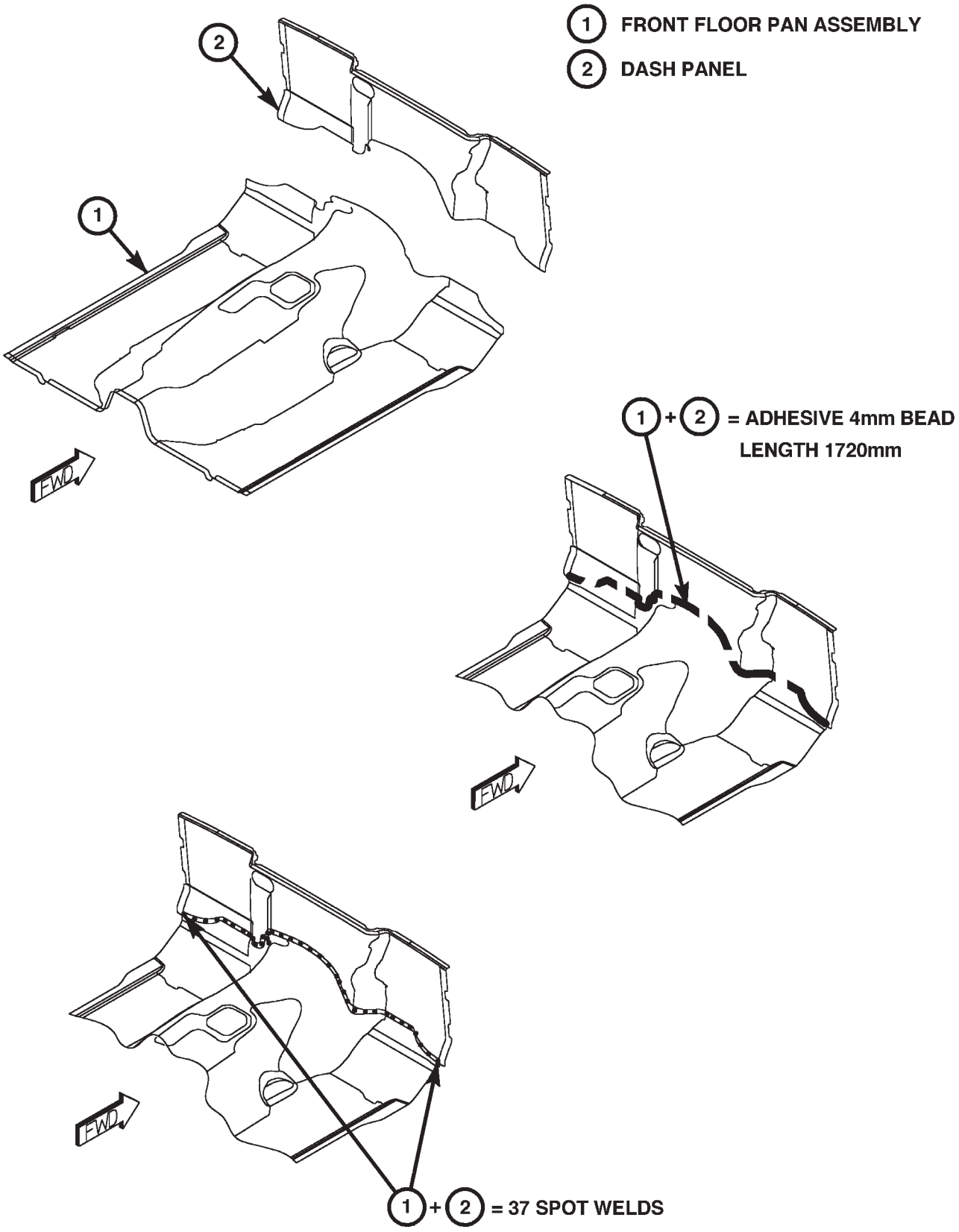


Fig. 22 FLOOR PAN ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

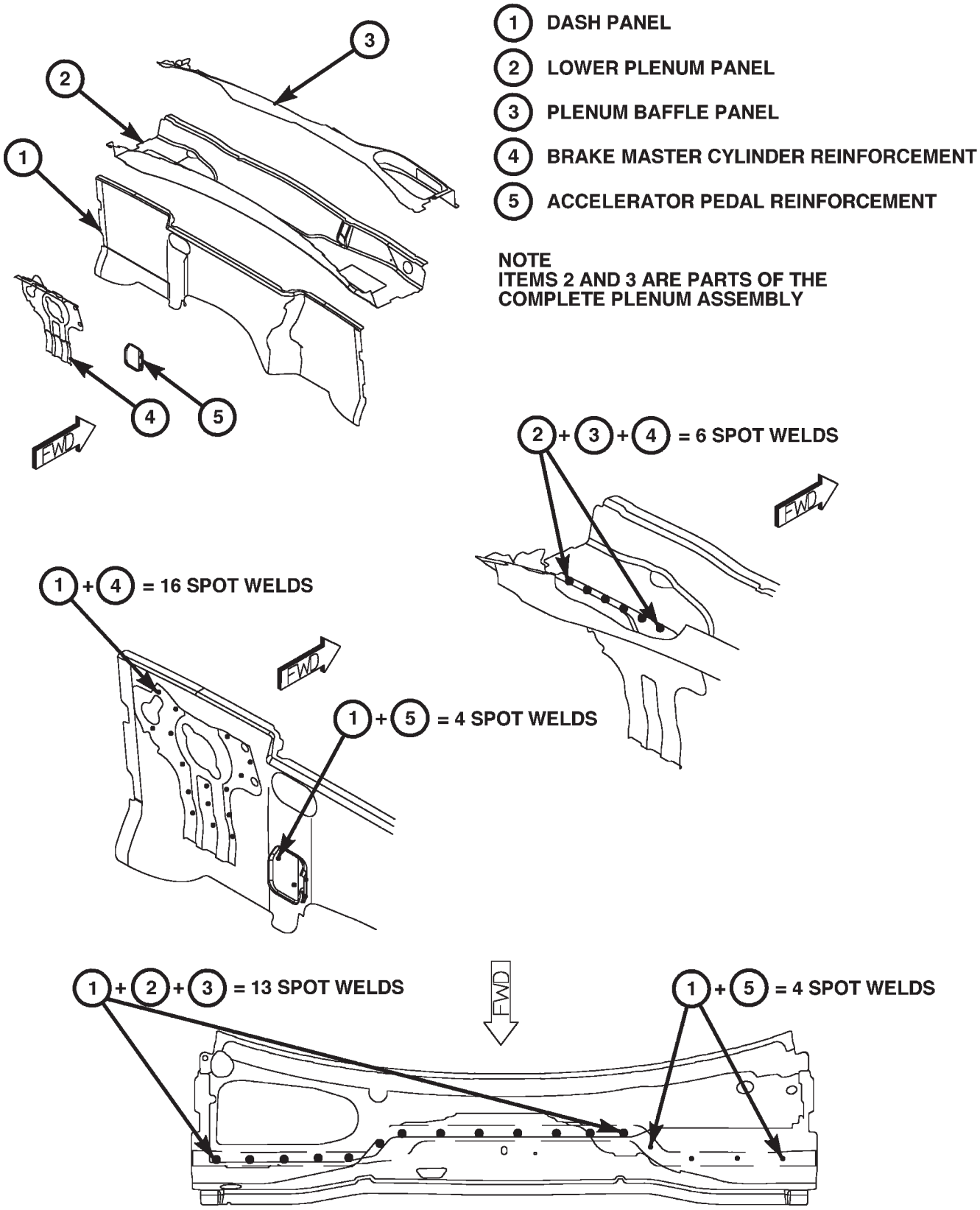
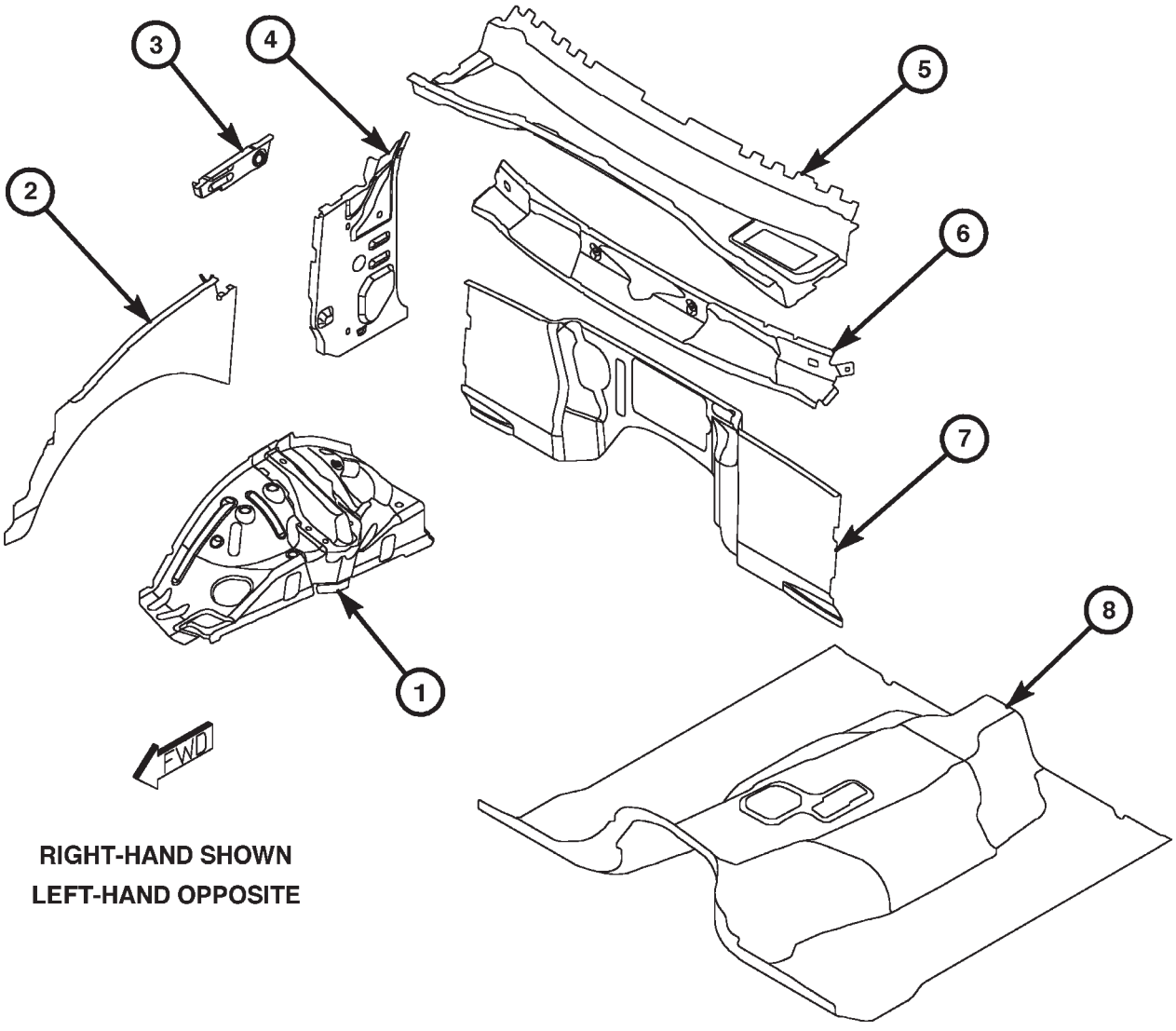


Fig. 23 DASH PANEL ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

1. INNER FRONT WHEELHOUSE
2. INNER FENDER PANEL
3. PLENUM CLOSURE PANEL
4. COWL SIDE PANEL
5. LOWER PLENUM PANEL
6. PLENUM PANEL
7. DASH PANEL
8. FRONT FLOOR PAN ASSEMBLY

NOTE
ITEMS 3, 5 AND 6 ARE PARTS OF THE COMPLETE PLENUM ASSEMBLY



RIGHT-HAND SHOWN
LEFT-HAND OPPOSITE

Fig. 24 DASH PANEL/WHEELHOUSE ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

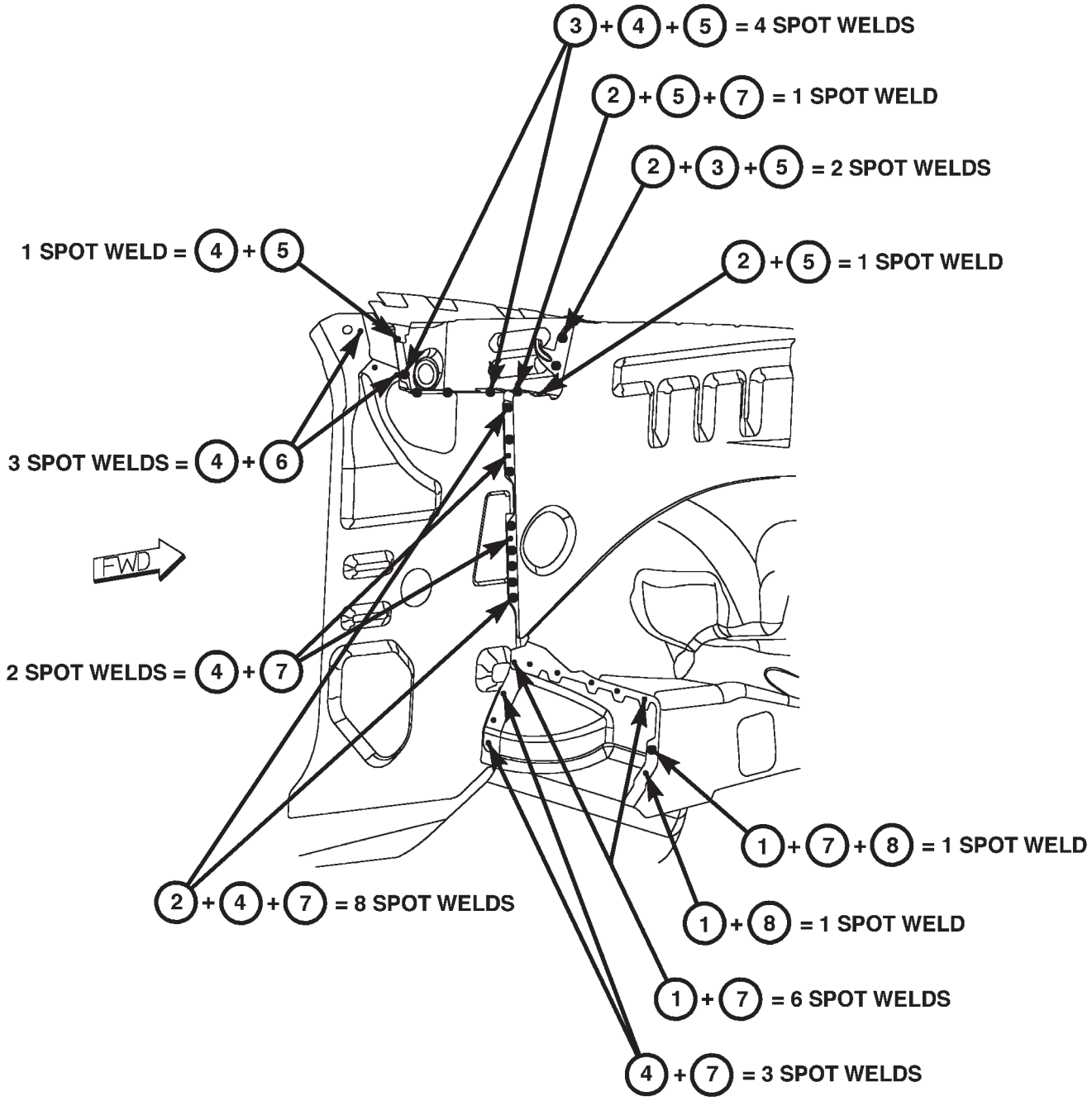
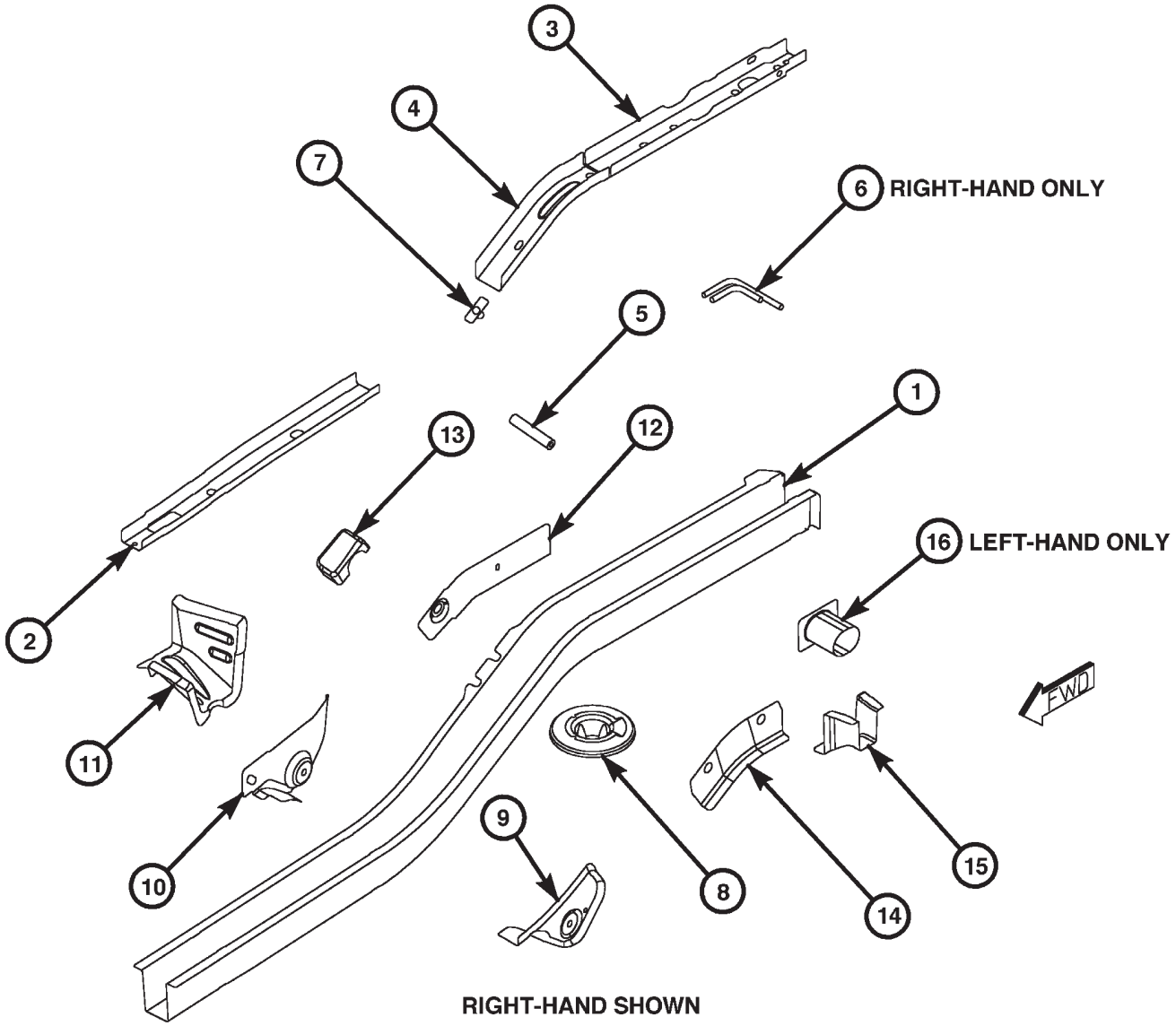


Fig. 25 COWL SIDE PANEL

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

REAR FRAME RAILS

1. REAR RAIL
2. RAIL FRONT REINFORCEMENT
3. RAIL REAR REINFORCEMENT
4. RAIL CENTER REINFORCEMENT
5. SHOCK MOUNTING SLEEVE
6. EXHAUST HANGER BRACKET
7. ANCHOR PLATE
8. COIL SPRING MOUNTING BRACKET
9. CONTROL ARM MOUNTING BRACKET
10. CONTROL ARM MOUNTING BRACKET
11. REAR TORQUE BOX
12. REAR SHOCK MOUNTING BRACKET
13. REAR SHOCK MOUNTING REINFORCEMENT
14. SPRING MOUNTING REINFORCEMENT
15. REAR SPRING OUTER CROSSMEMBER
16. FUEL PASS THROUGH SLEEVE



RIGHT-HAND SHOWN
LEFT-HAND OPPOSITE UNLESS SHOWN

Fig. 26 REAR FRAME RAILS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

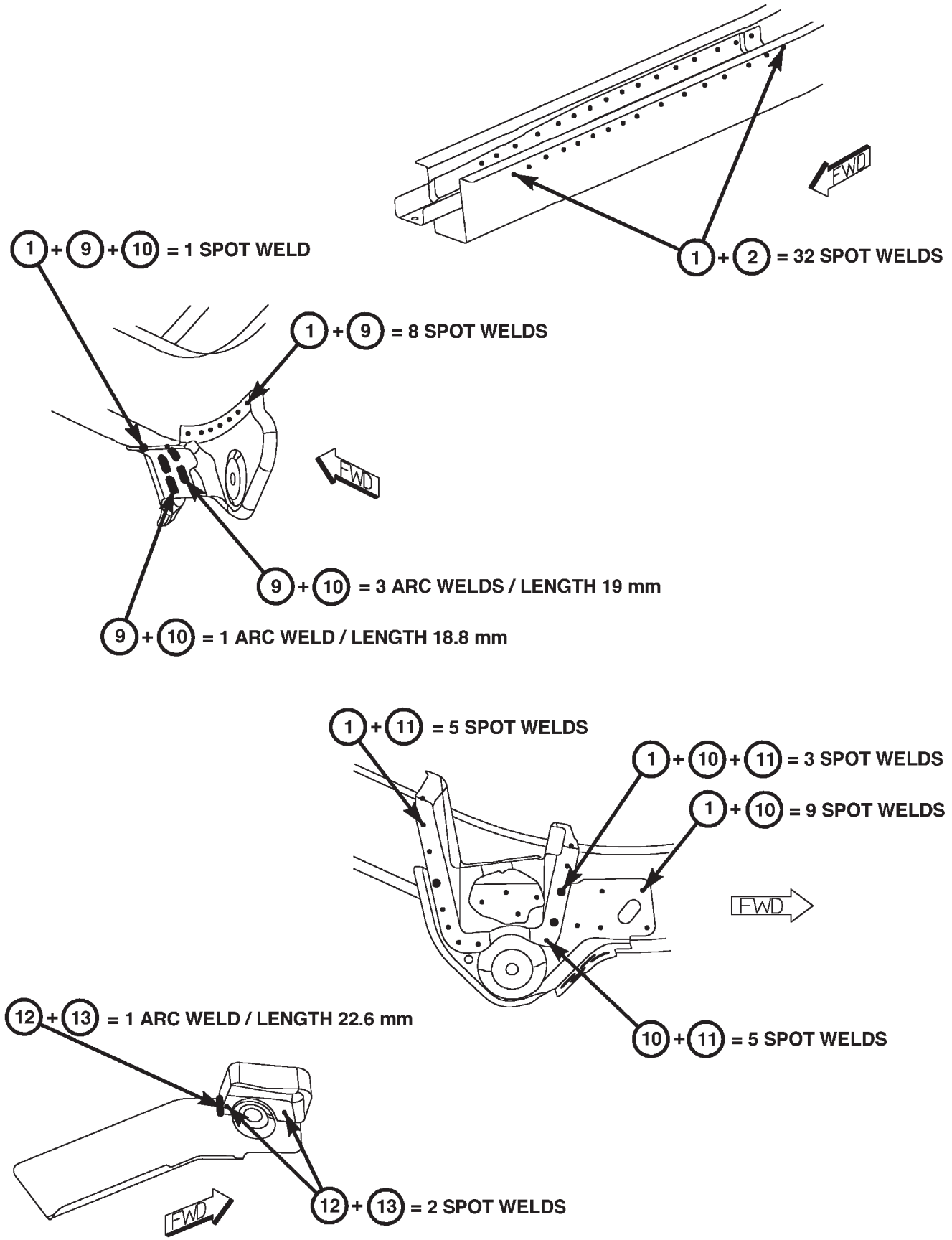


Fig. 27 REAR MOUNTING BRACKETS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

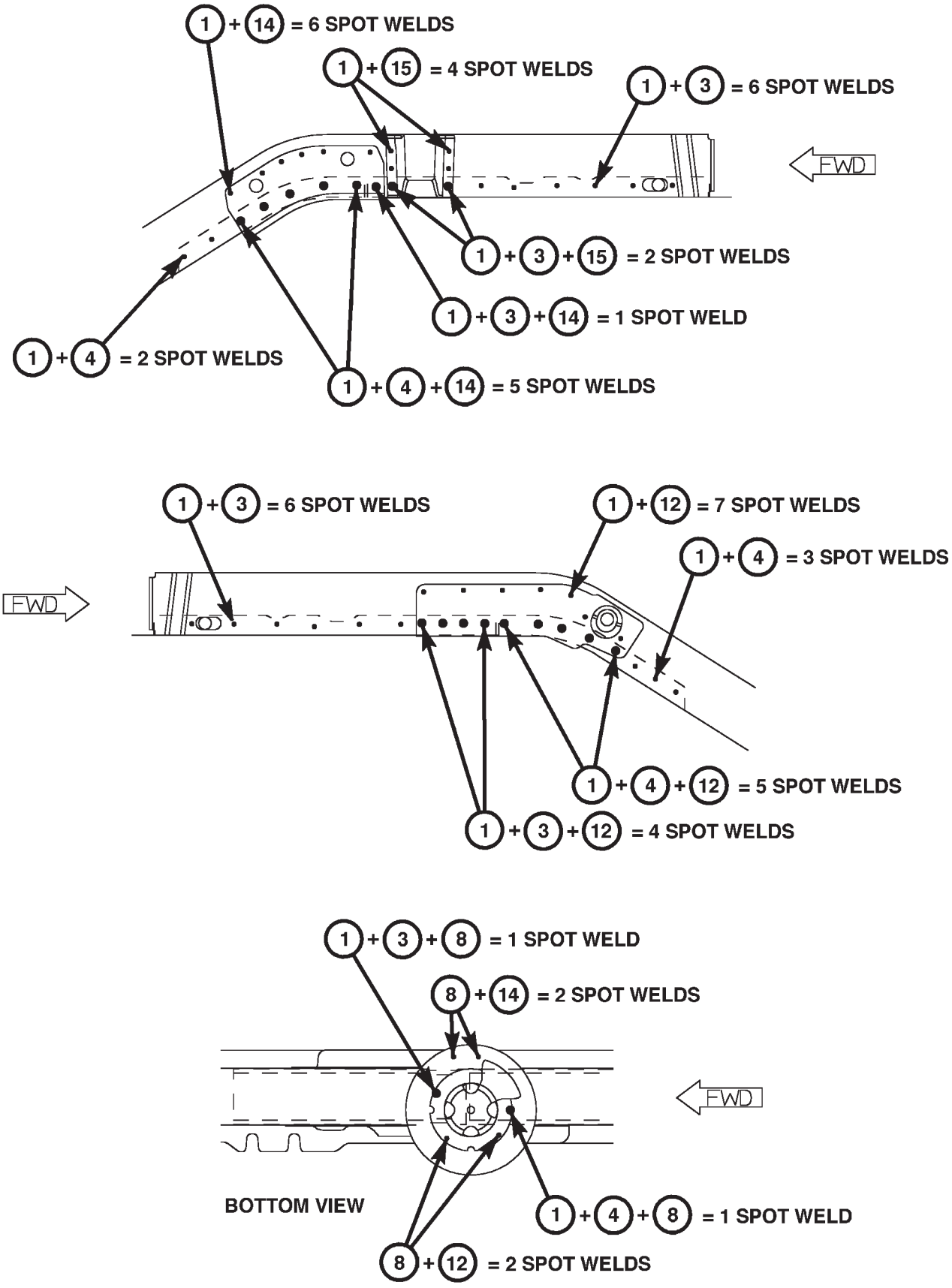


Fig. 28 REAR SPRING MOUNTINGS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

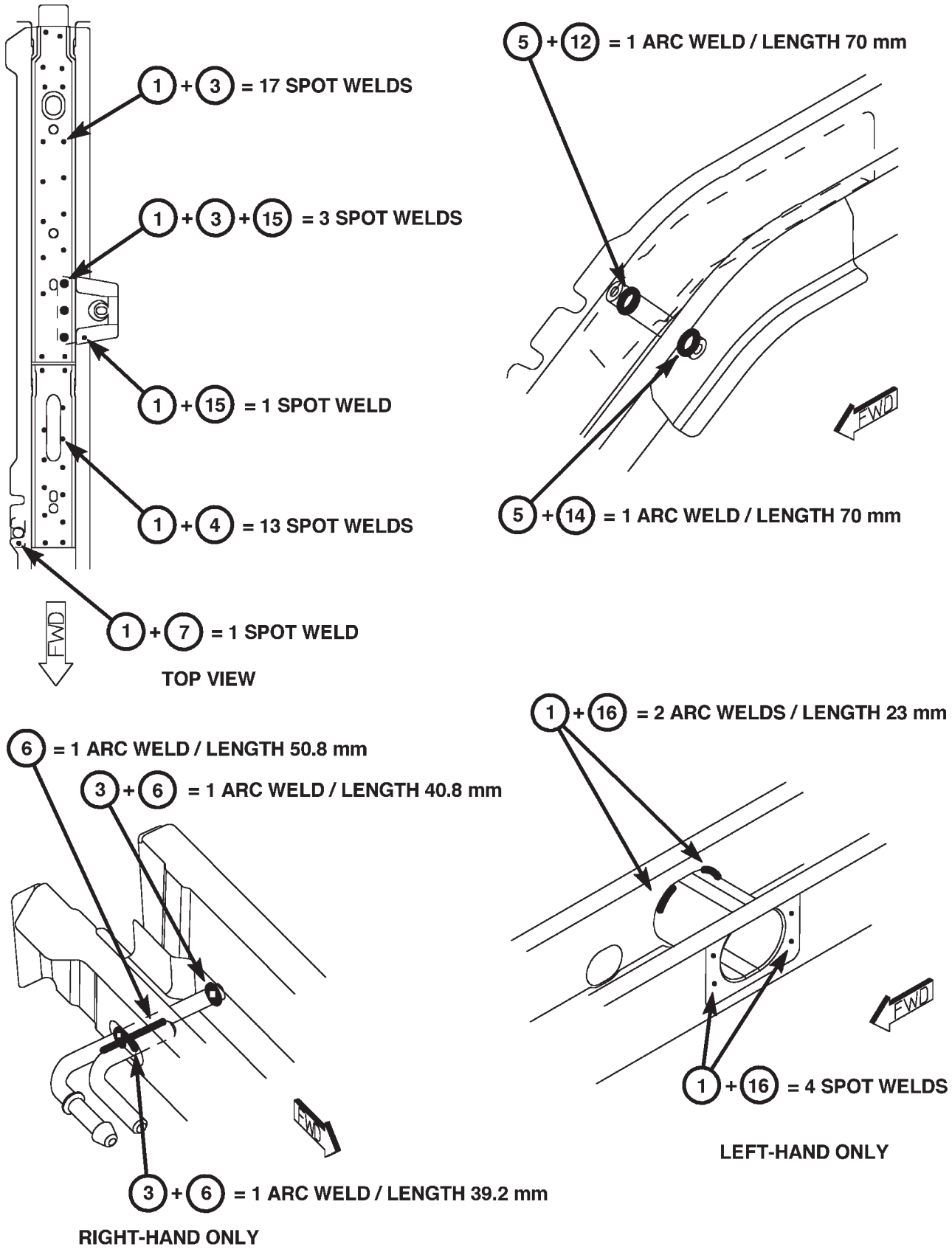


Fig. 29 REAR SPRING, SHOCK, FUEL PASS AND EXHAUST BRACKETS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

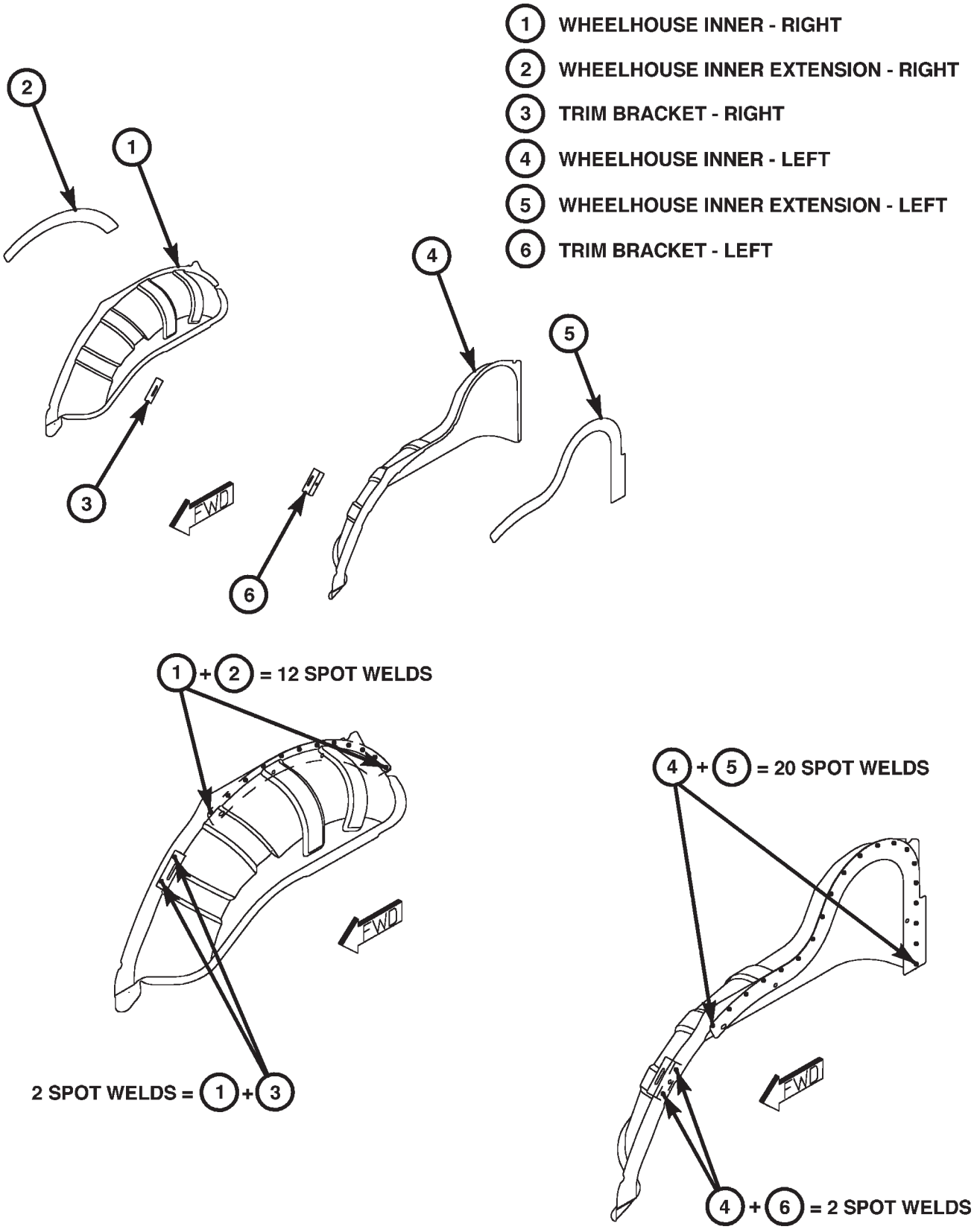
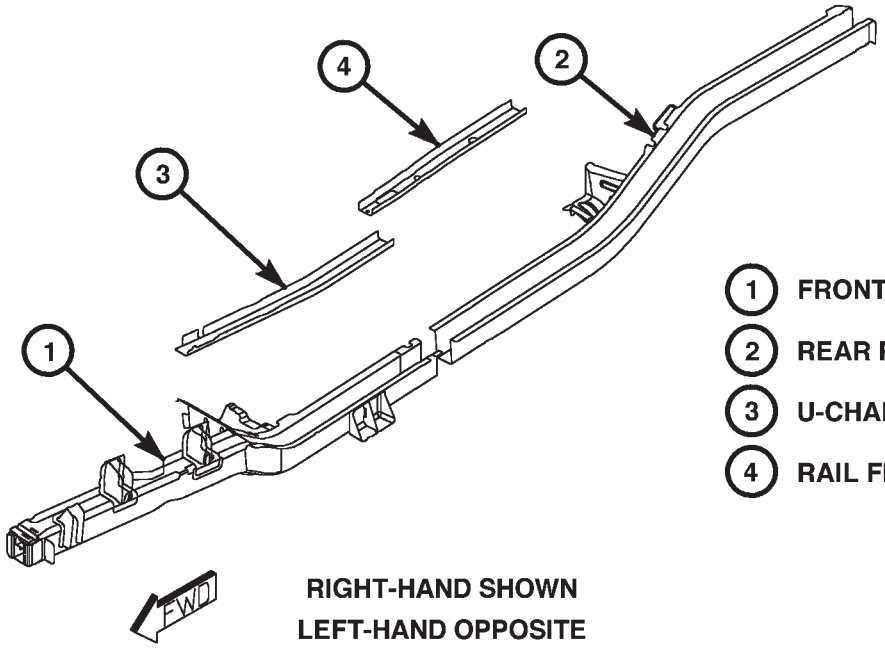


Fig. 30 REAR WHEELHOUSE ASSEMBLIES

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)



1 FRONT RAIL ASSEMBLY
2 REAR RAIL ASSEMBLY
3 U-CHANNEL REINFORCEMENT
4 RAIL FRONT REINFORCEMENT

RIGHT-HAND SHOWN
LEFT-HAND OPPOSITE

NOTE
ITEM 2 IS PART OF THE COMPLETE REAR FLOOR PAN ASSEMBLY
ITEM 3 IS PART OF THE COMPLETE FRONT RAIL ASSEMBLY
ITEM 4 IS PART OF THE COMPLETE REAR RAIL ASSEMBLY

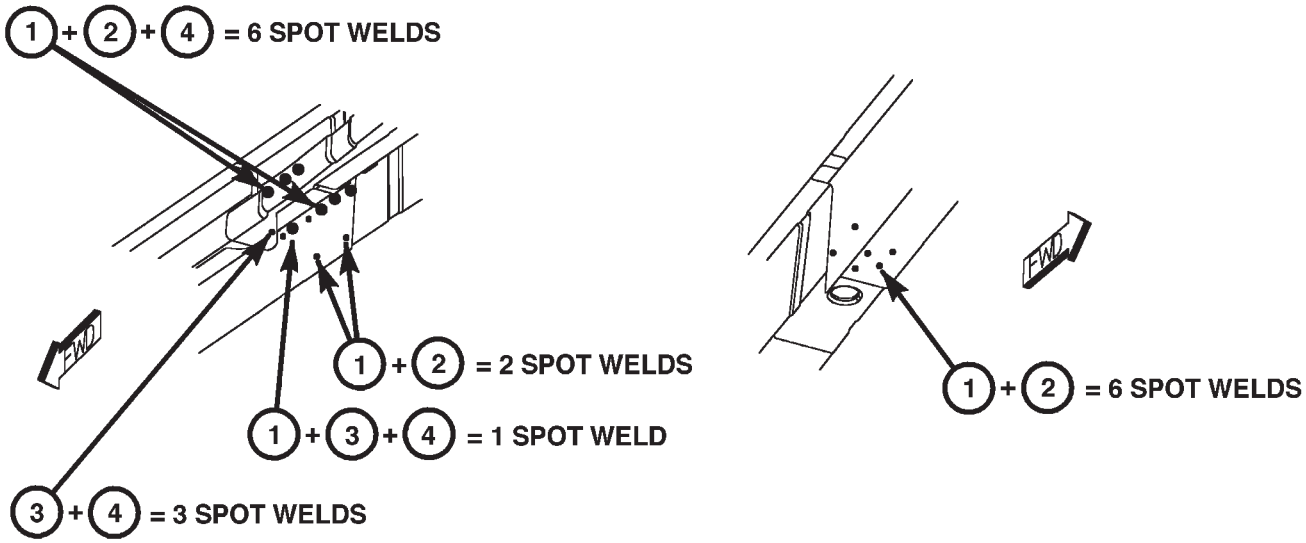
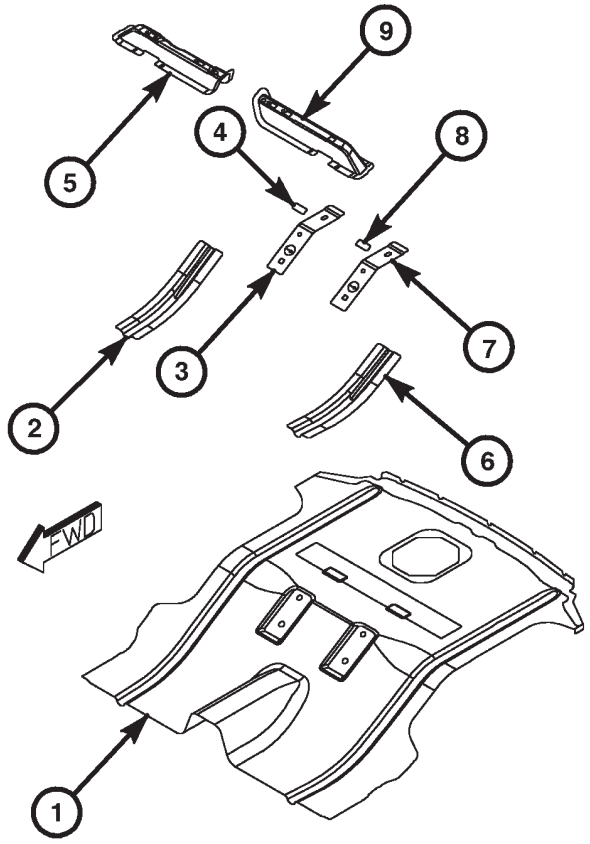


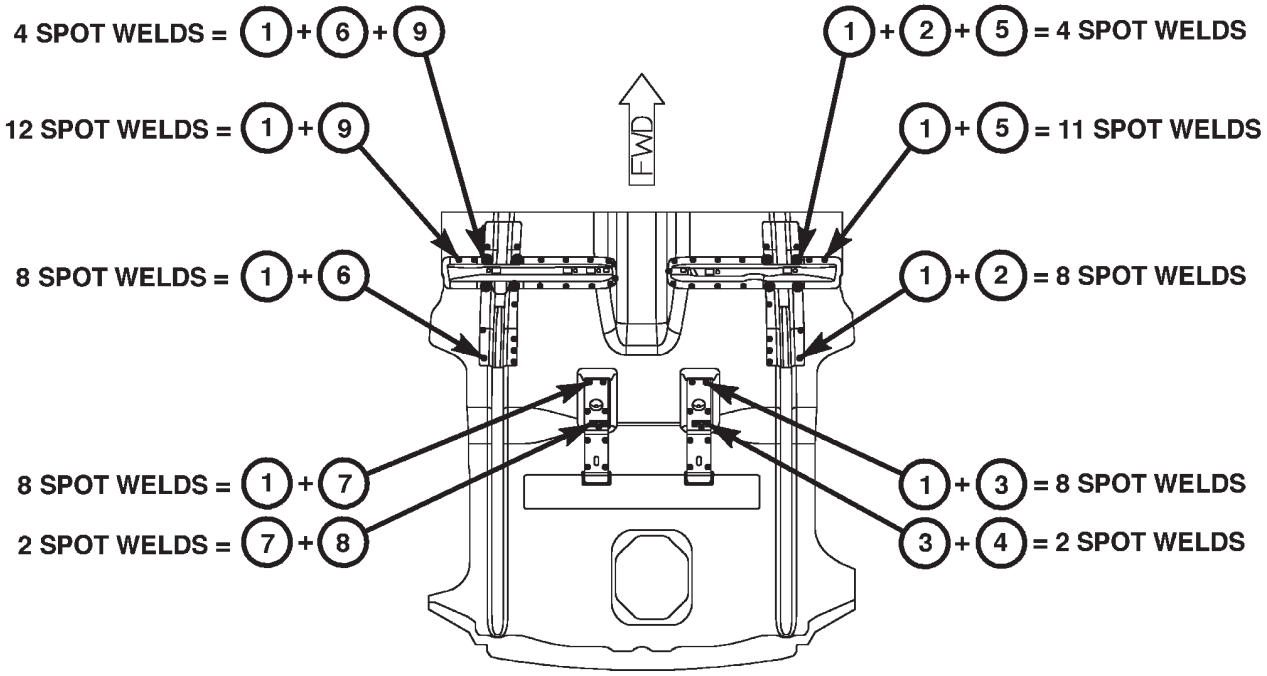
Fig. 31 RAIL ASSEMBLIES – FRONT/REAR

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

REAR FLOOR PAN ASSEMBLY



1. REAR FLOOR PAN
2. REAR COMPRESSION PLATE - RIGHT
3. SEAT BELT ANCHOR PLATE - RIGHT
4. ANCHOR PLATE - RIGHT
5. REAR SEAT FRONT CROSSMEMBER - RIGHT
6. REAR COMPRESSION PLATE - LEFT
7. SEAT BELT ANCHOR PLATE - LEFT
8. ANCHOR PLATE - LEFT
9. REAR SEAT FRONT CROSSMEMBER - LEFT



REAR
TOP VIEW

Fig. 32 REAR FLOOR PAN ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

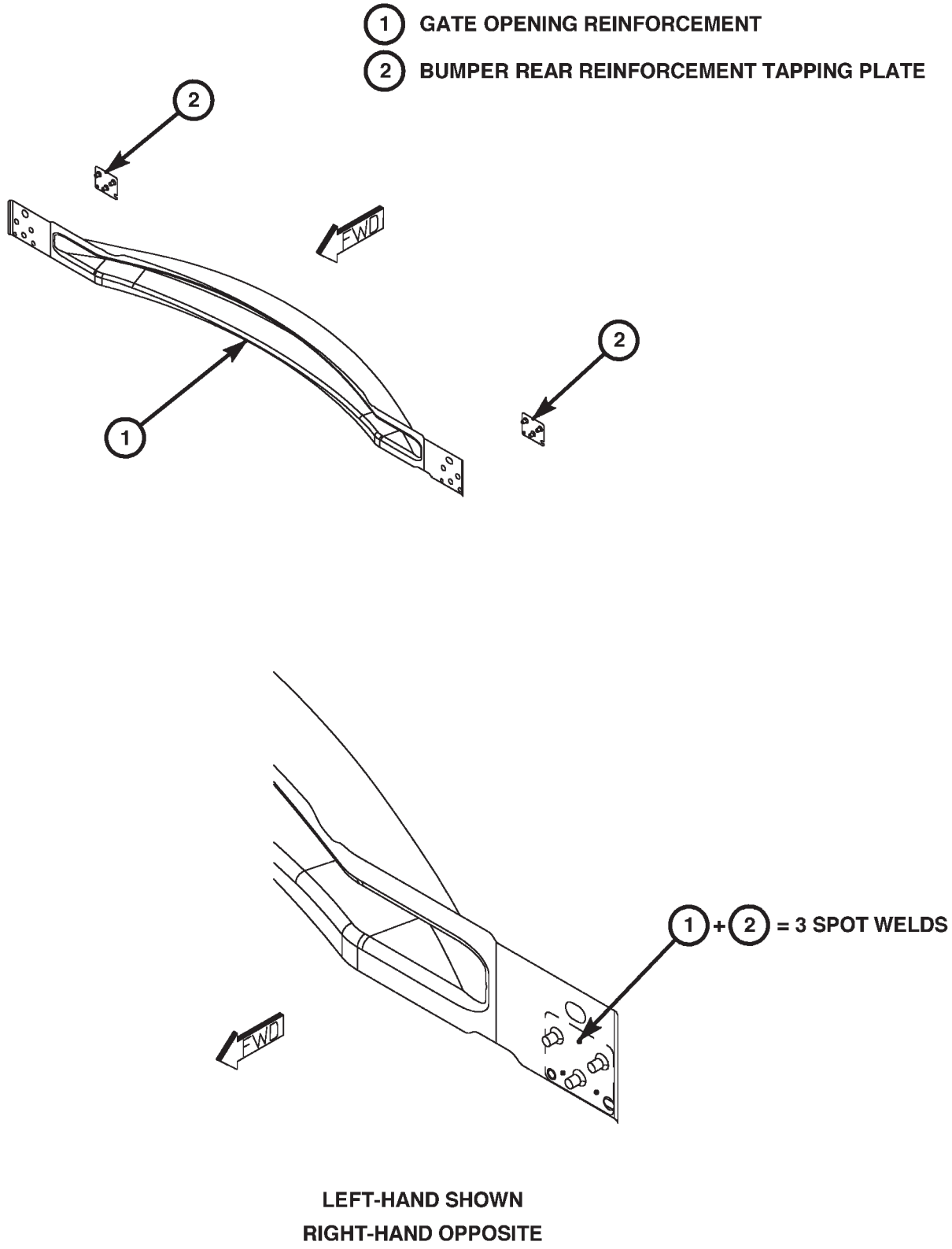


Fig. 33 BUMPER AND SWING GATE REINFORCEMENT

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

1. REAR FLOOR PAN ASSEMBLY
2. SEAT BELT ANCHOR PLATE
3. REAR COMPRESSION PLATE
4. REAR SEAT FRONT CROSSMEMBER
5. REAR RAIL ASSEMBLY - RIGHT
6. REAR RAIL ASSEMBLY - LEFT
7. REAR TORQUE BOX
8. ANCHOR PLATE
9. REAR SHOCK MOUNTING REINFORCEMENT
10. FUEL PASS-THROUGH SLEEVE
11. REAR SEAT CROSSMEMBER - RIGHT
12. A-ARM LOWER BRACKET
13. A-ARM UPPER BRACKET
14. REAR SEAT CROSSMEMBER BULKHEAD
15. REAR SPRING CENTER CROSSMEMBER
16. REAR SPRING OUTER CROSSMEMBER
17. FUEL TANK SUPPORT
18. REAR CROSSMEMBER
19. GATE OPENING REINFORCEMENT
20. REAR SEAT CROSSMEMBER - LEFT
21. FUEL TANK SUPPORT REINFORCEMENT

NOTE
ITEMS 7,8,9 AND 10 ARE PARTS OF THE RIGHT AND LEFT REAR RAIL ASSEMBLIES

ITEMS 2,3 AND 4 ARE PARTS OF THE REAR FLOOR PAN ASSEMBLY

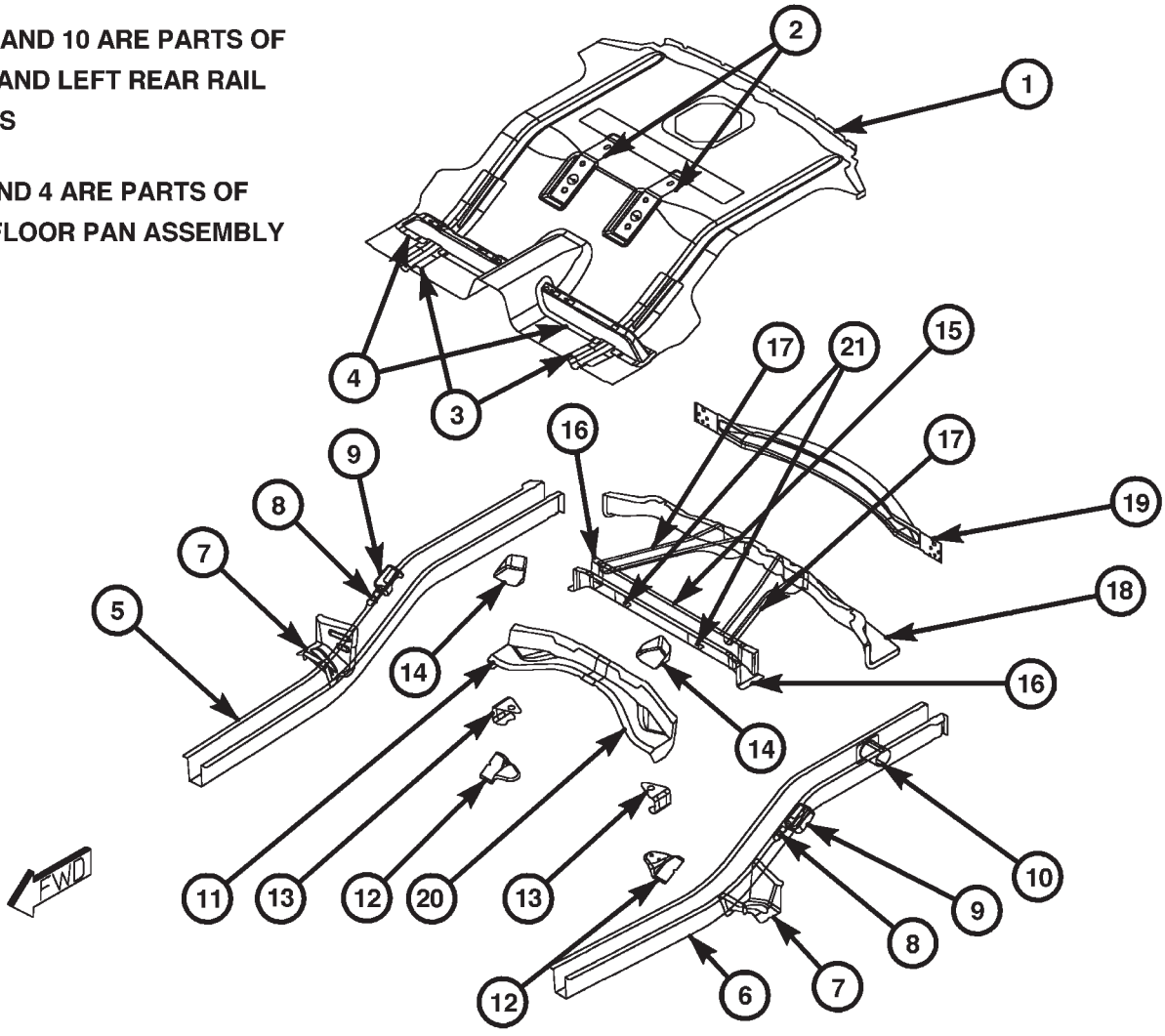


Fig. 34 REAR FLOOR PAN

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

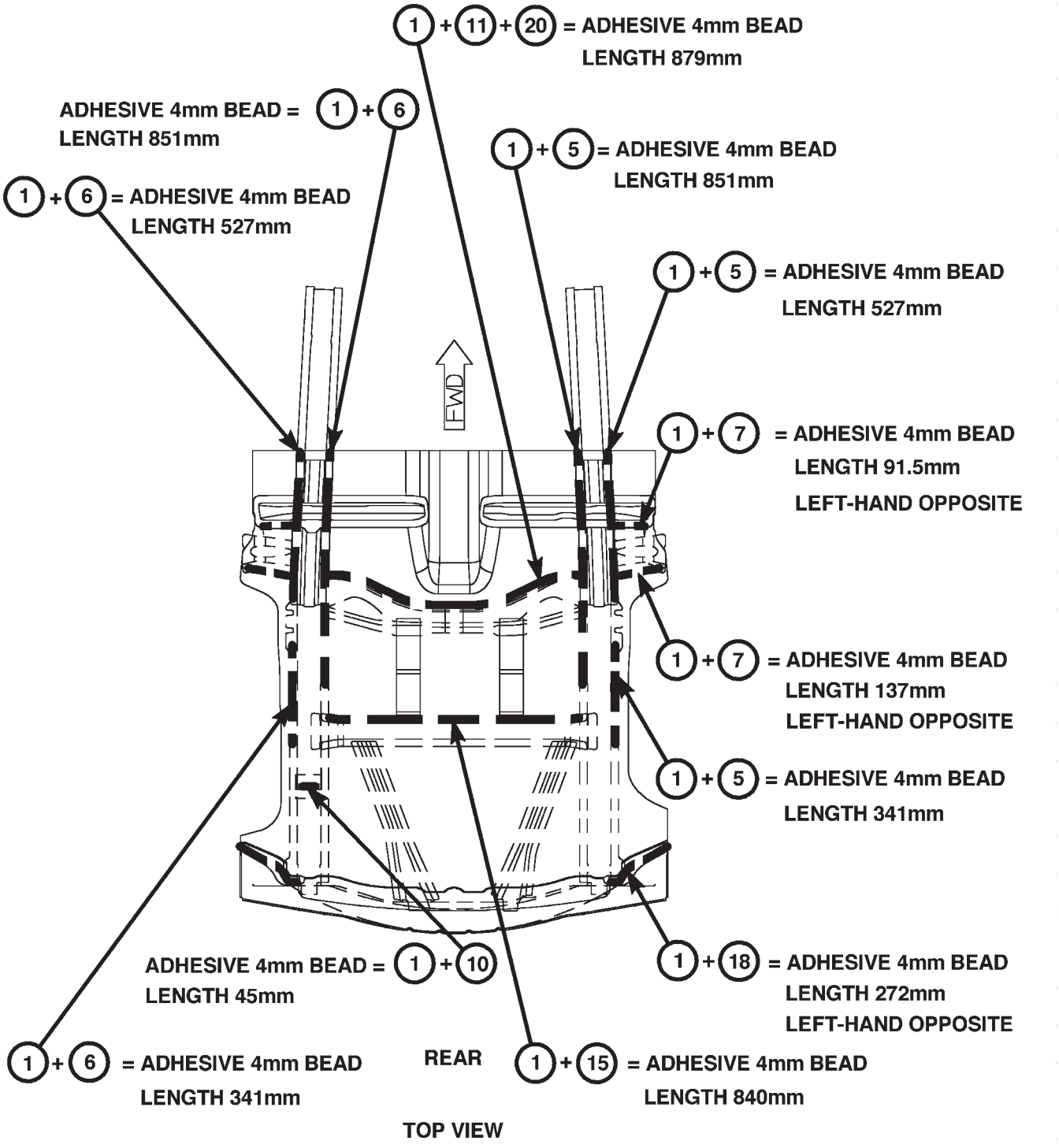


Fig. 35 REAR FLOOR PAN

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

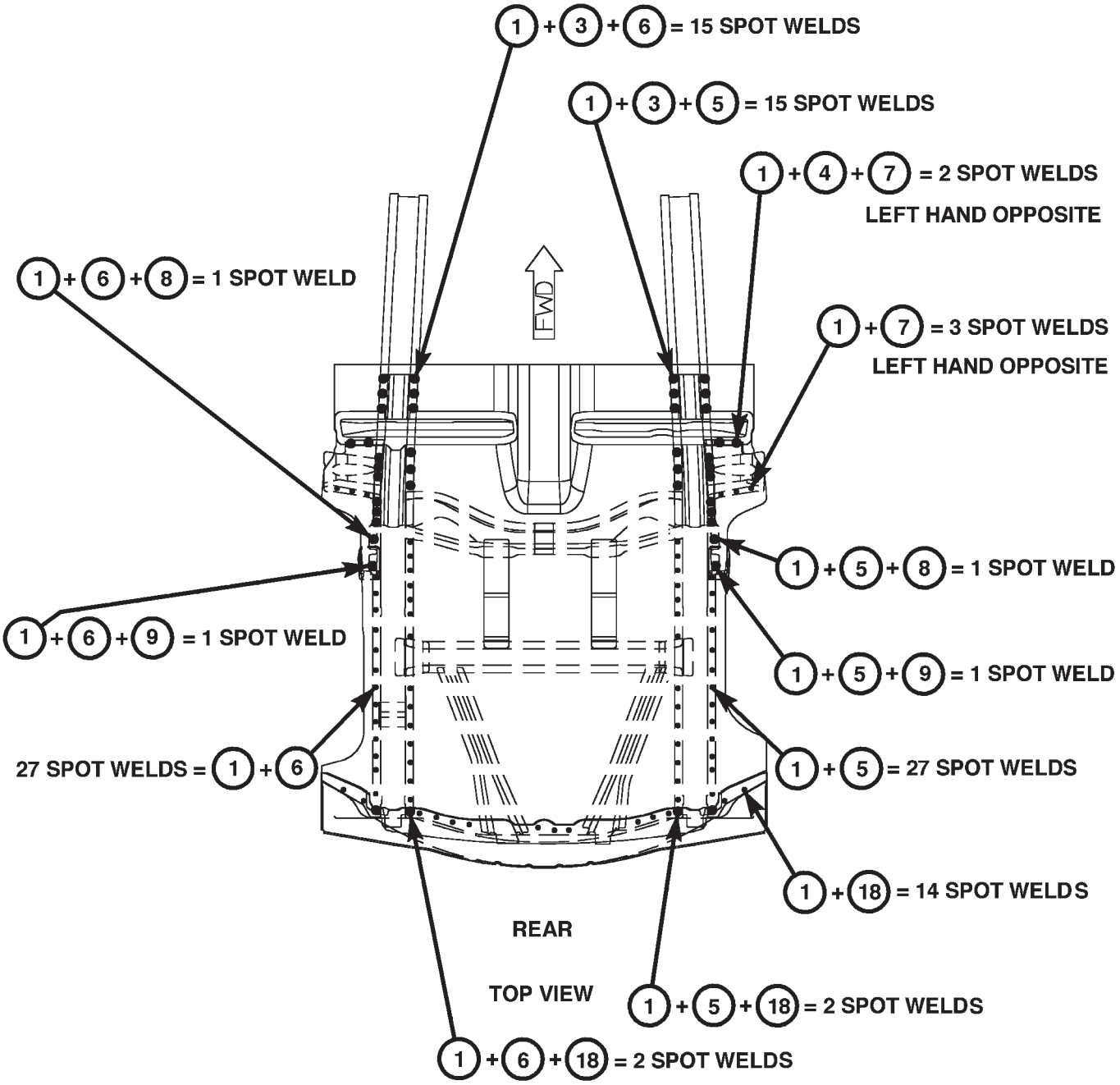


Fig. 36 REAR FLOOR PAN

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

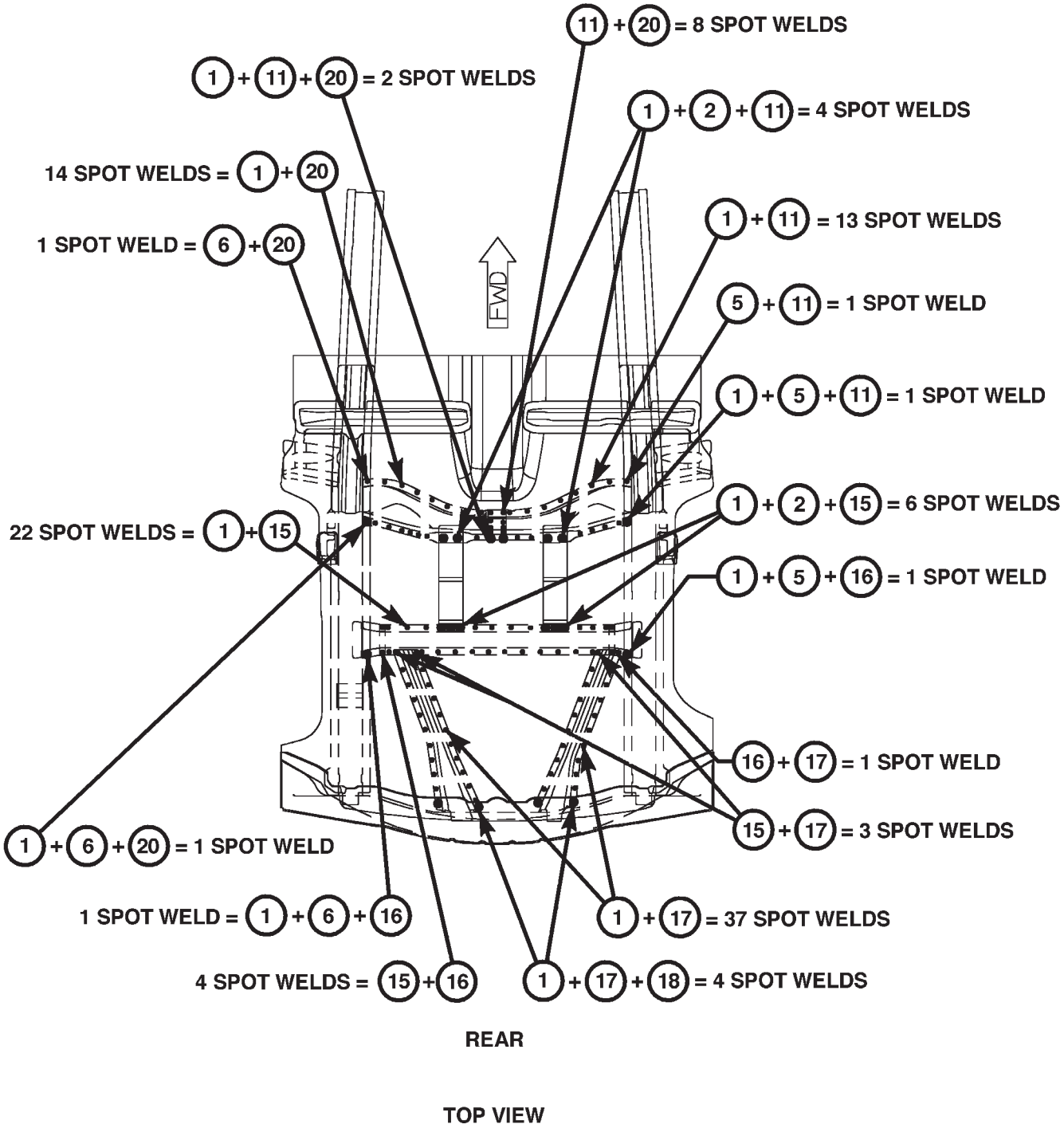


Fig. 37 REAR FLOOR PAN

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

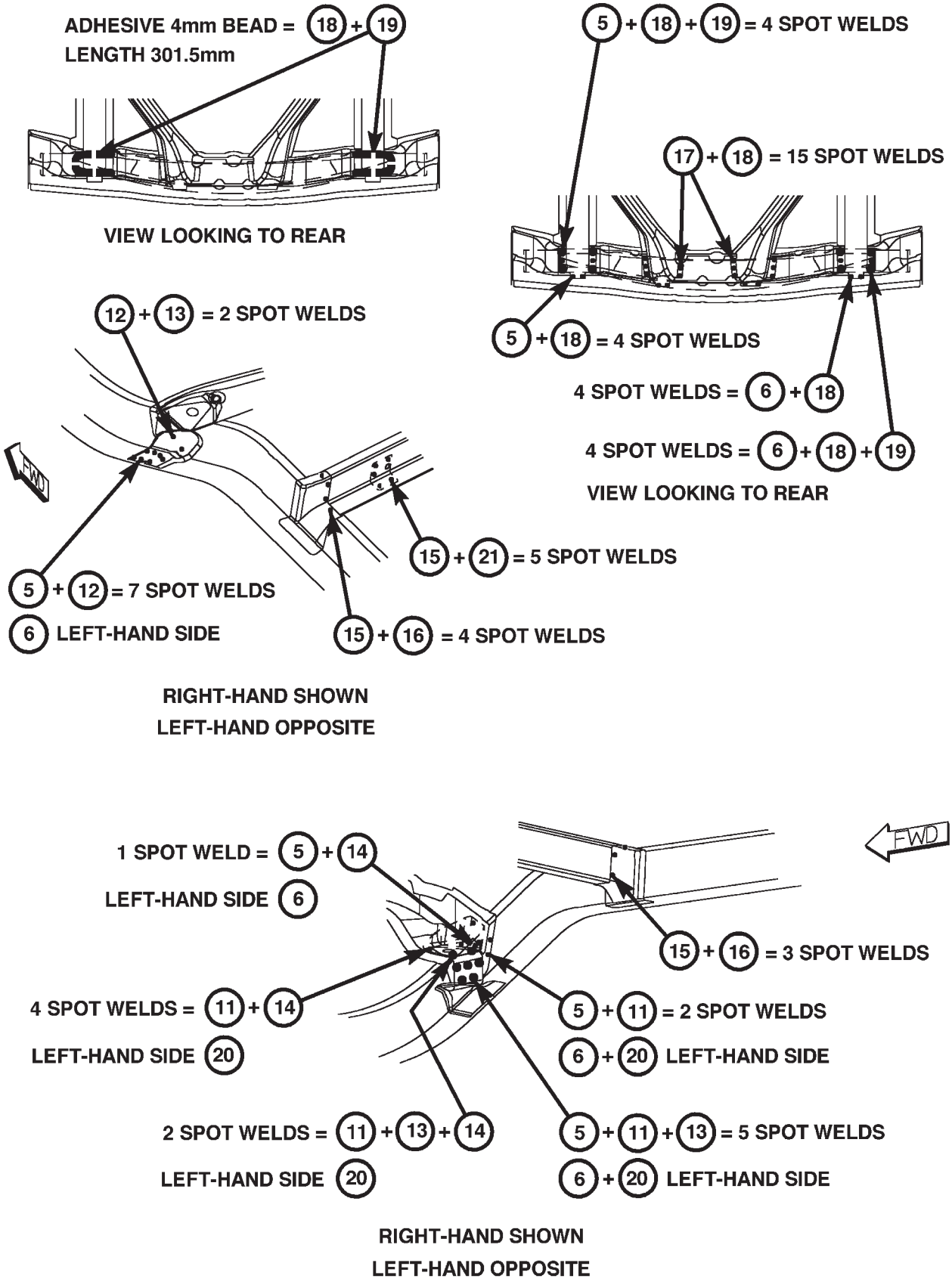


Fig. 38 REAR CROSSMEMBERS AND REINFORCEMENTS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

FULL FLOOR PAN ASSEMBLY

1. FRONT FLOOR PAN ASSEMBLY
2. REAR FLOOR PAN ASSEMBLY
3. FRONT RAIL ASSEMBLY - RIGHT
4. FRONT RAIL ASSEMBLY - LEFT
5. REAR RAIL ASSEMBLY - RIGHT
6. REAR RAIL ASSEMBLY - LEFT
7. COMPRESSION PLATE
8. REINFORCEMENT PLATE
9. FRONT SEAT FRONT CROSSMEMBER
10. FRONT SEAT REAR CROSSMEMBER
11. COMPRESSION PLATE
12. REAR SEAT FRONT CROSSMEMBER
13. BODY SIDE SILL
14. COWL SIDE PANEL
15. FRONT TORQUE BOX
16. REAR TORQUE BOX
17. INNER WHEELHOUSE - RIGHT
18. INNER WHEELHOUSE - LEFT
19. REAR SHOCK MOUNTING REINFORCEMENT
20. REAR CROSSMEMBER
21. D-PILLAR GUSSET - RIGHT
22. D-PILLAR GUSSET - LEFT

NOTE
ITEMS 7,9,10 AND 11 ARE PARTS OF THE FRONT FLOOR PAN ASSEMBLY

ITEMS 12,16,19 AND 20 ARE PARTS OF THE COMPLETE REAR FLOOR PAN ASSEMBLY

ITEM 15 IS PART OF THE RIGHT AND LEFT FRONT RAIL ASSEMBLIES

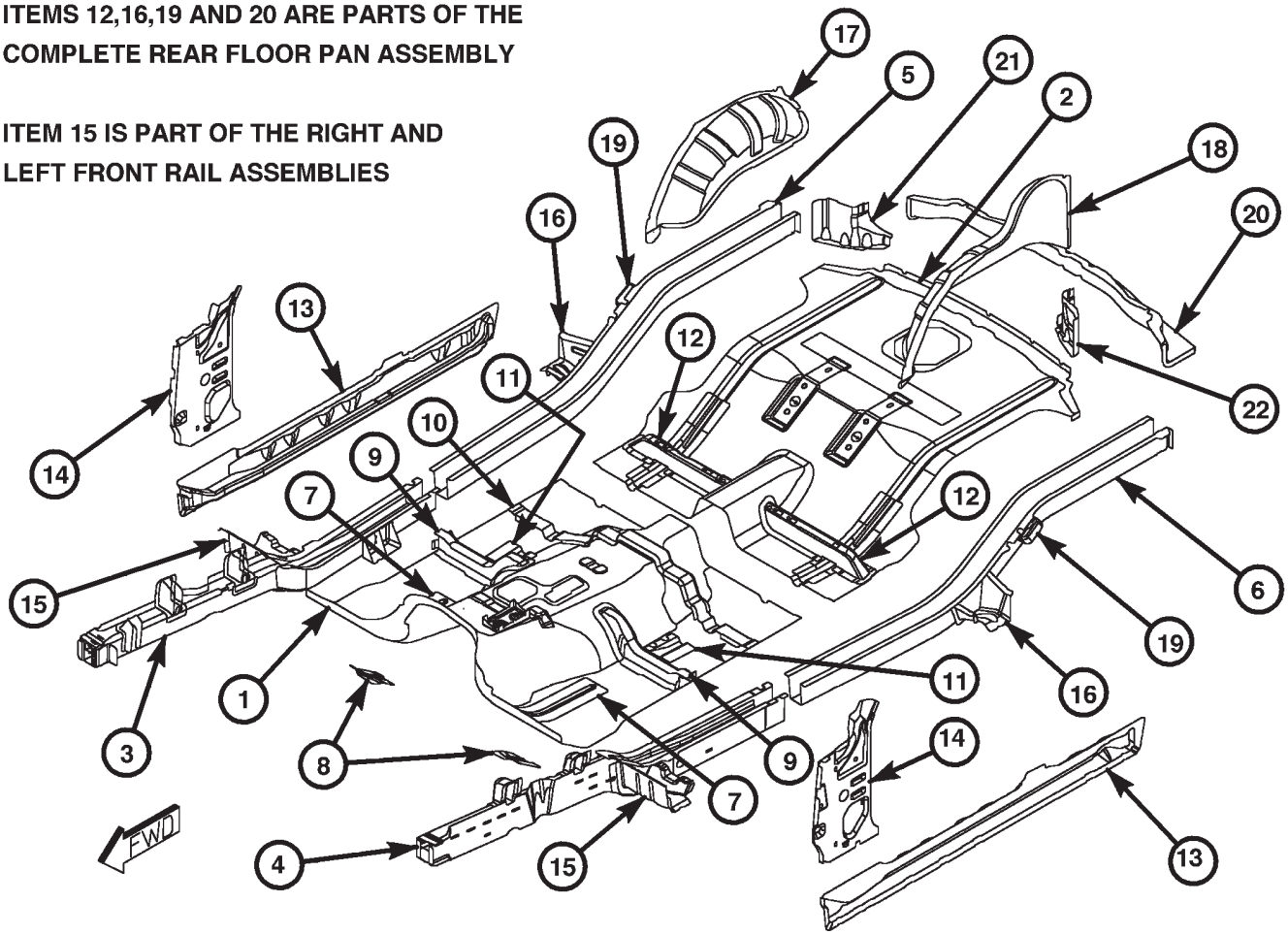


Fig. 39 FLOOR PAN ASSEMBLIES

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

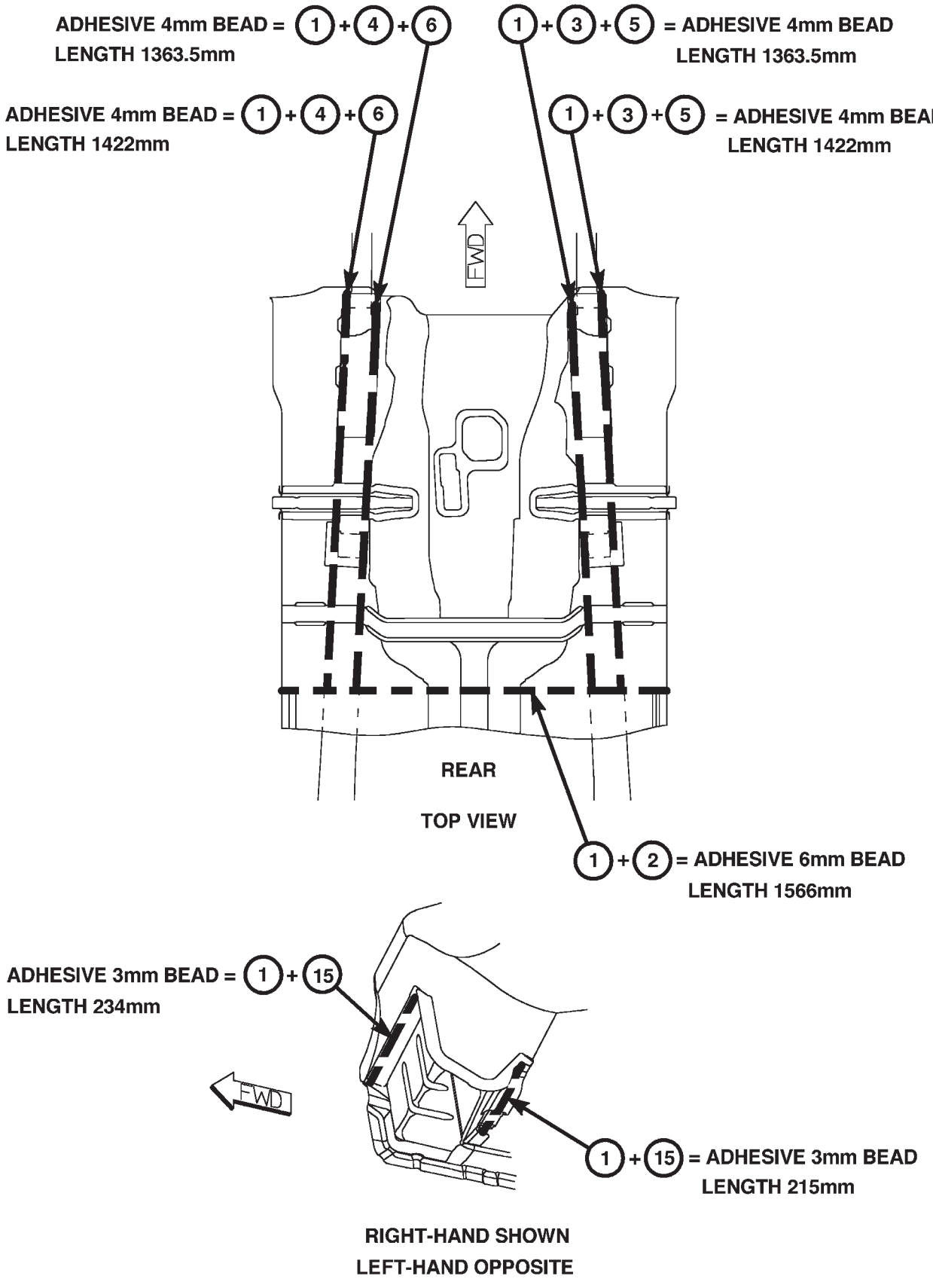


Fig. 40 FRONT RAILS – ADHESIVE LOCATIONS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

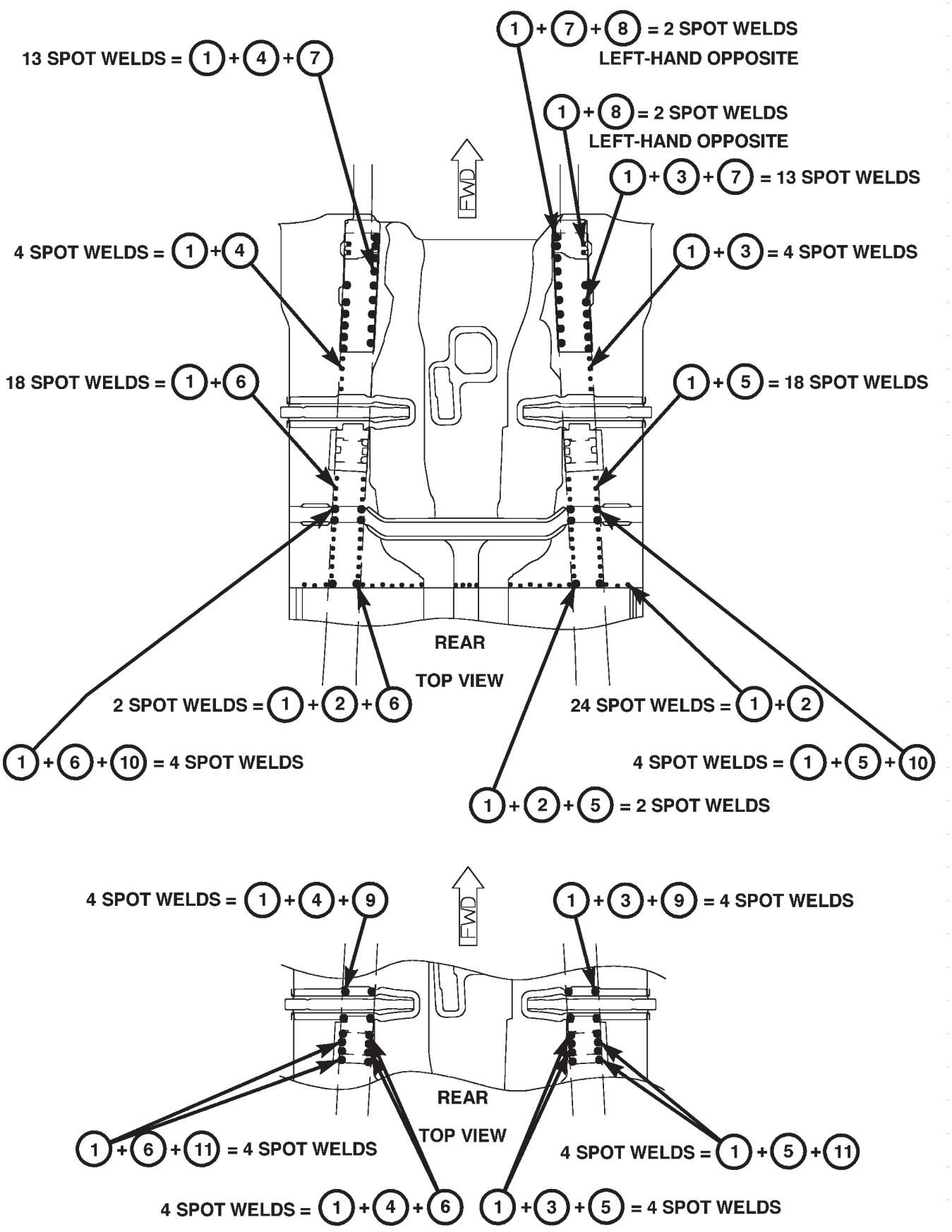
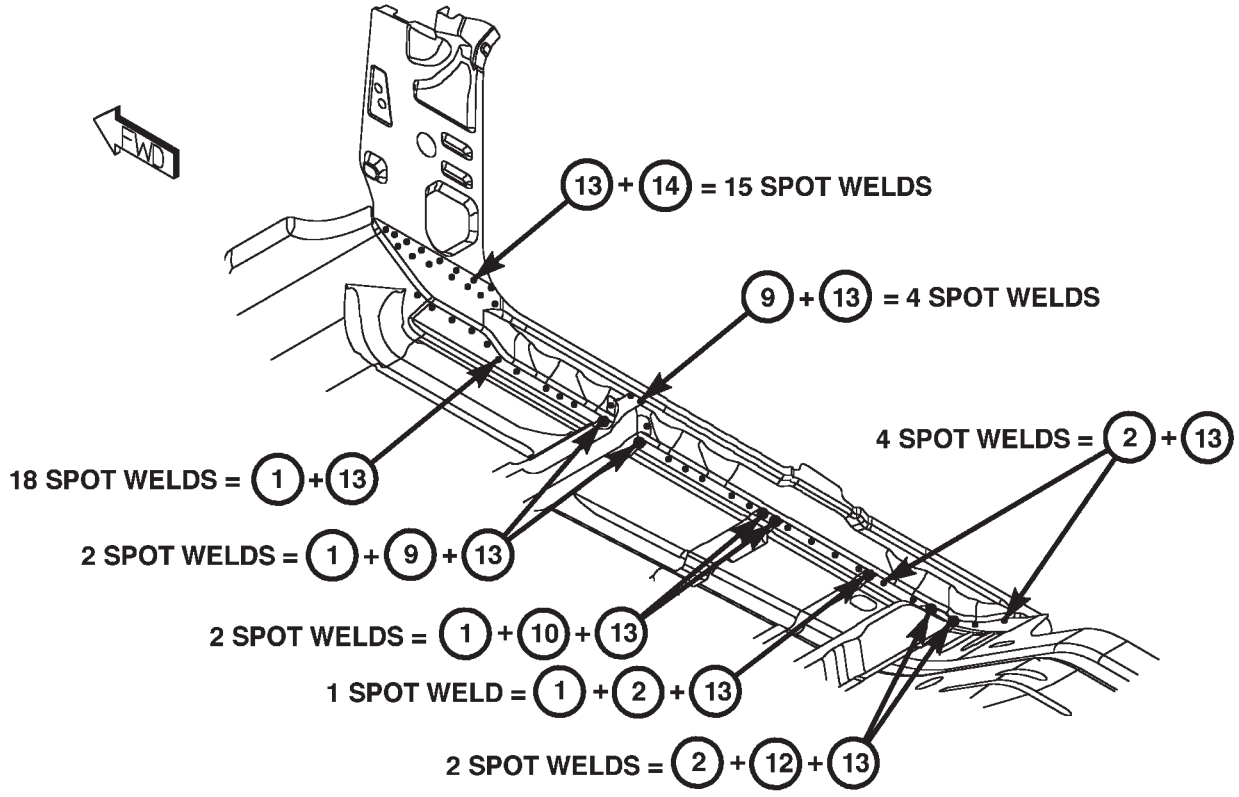
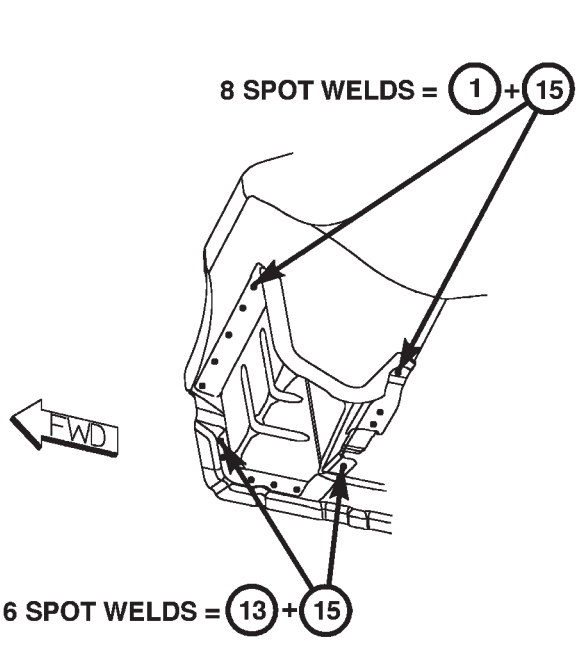


Fig. 41 FRONT RAILS – WELD LOCATIONS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)





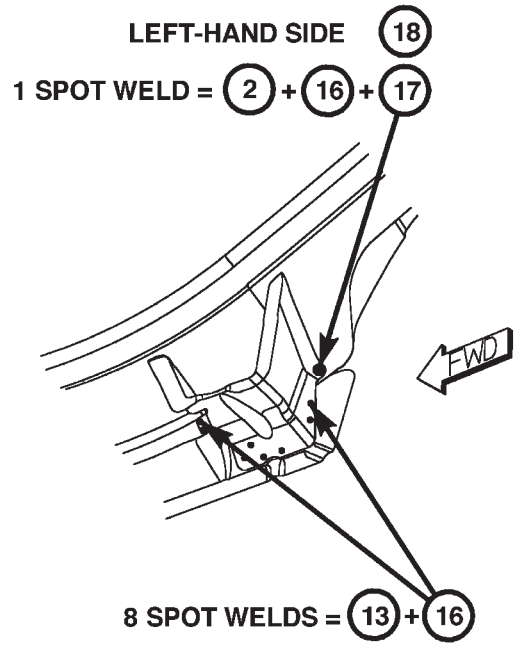


Fig. 42 SIDE SILLS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

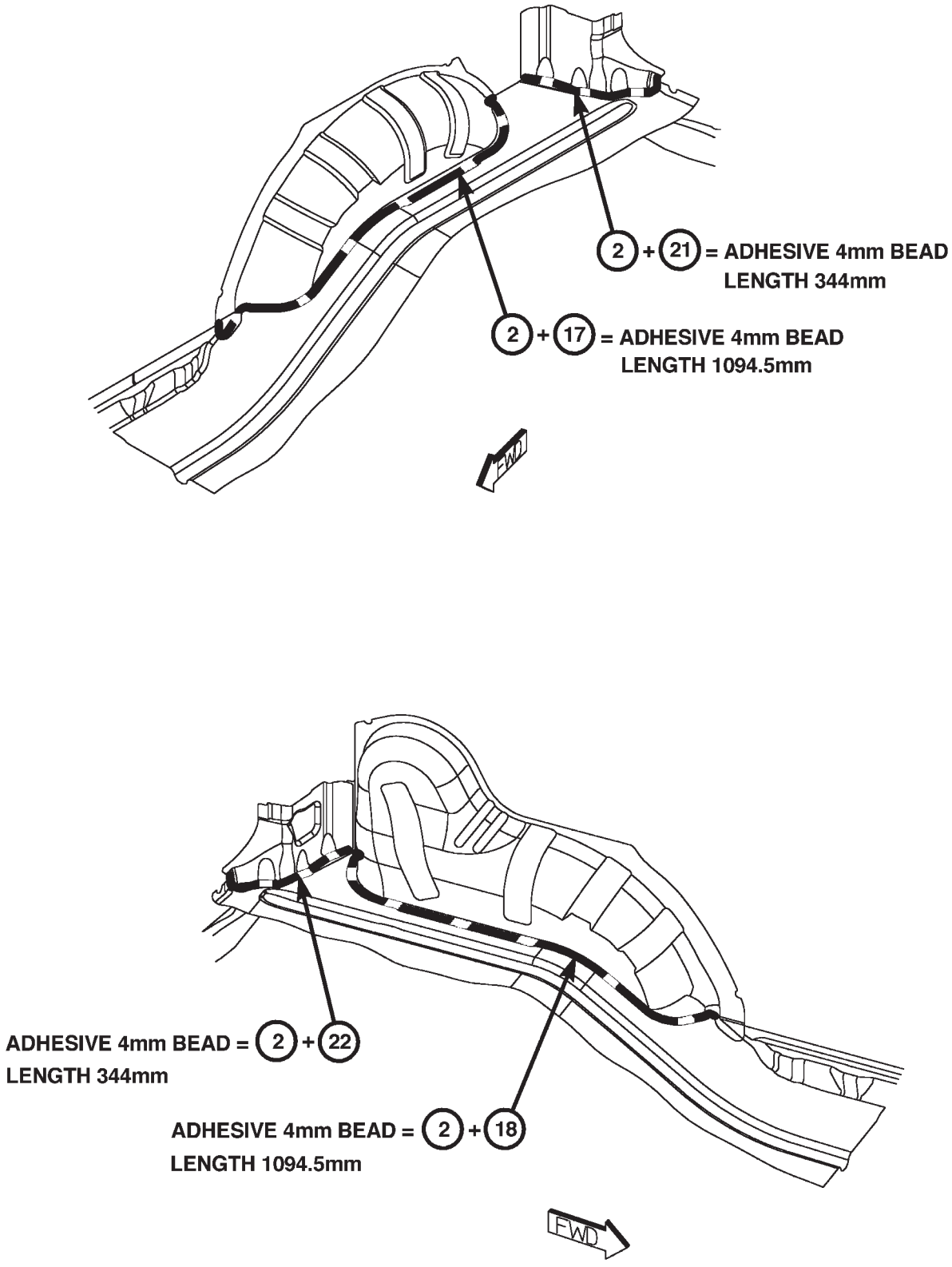


Fig. 43 WHEELHOUSES – ADHESIVE LOCATIONS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

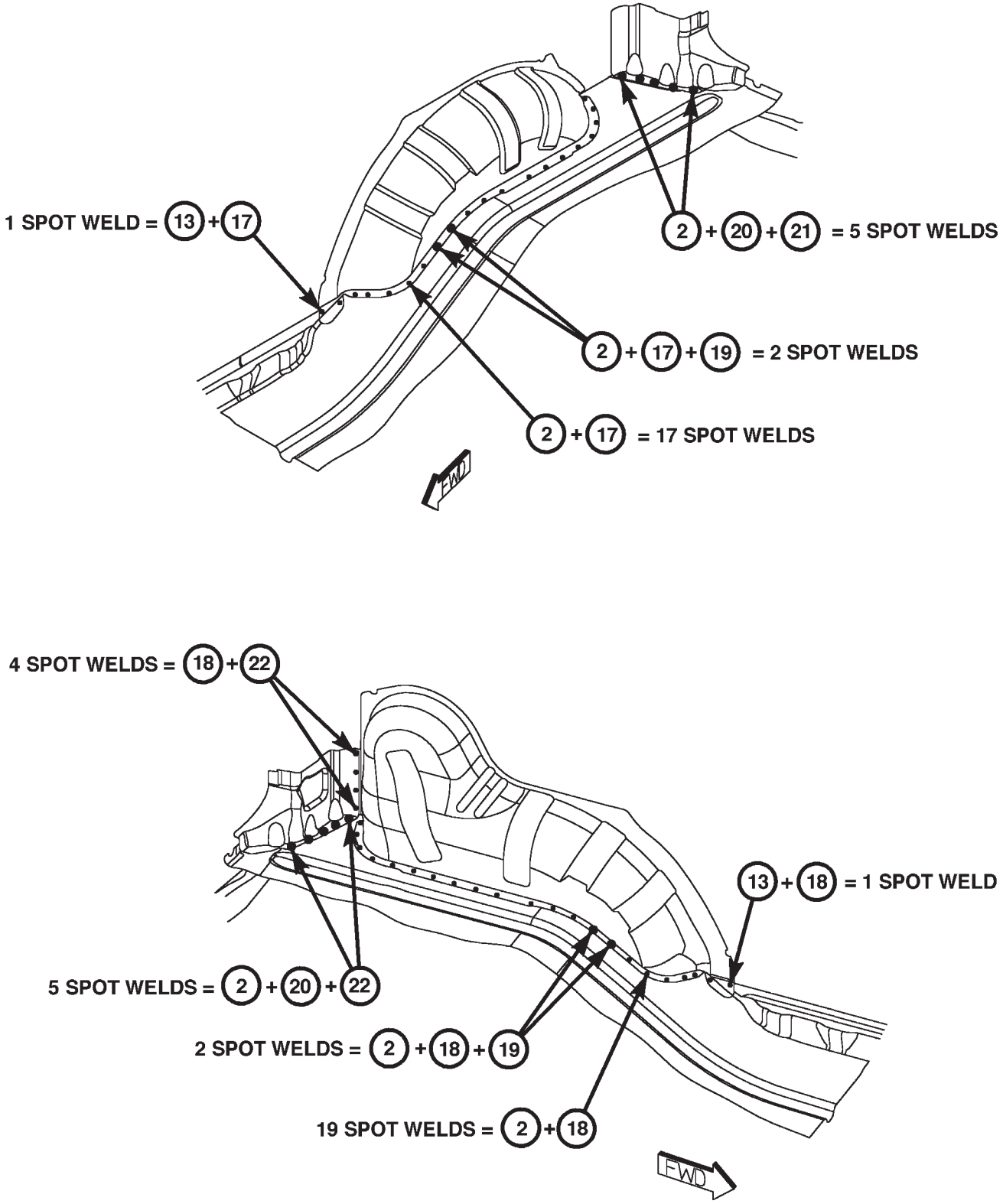


Fig. 44 WHEELHOUSES – WELD LOCATIONS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

BODY SIDE PANELS AND SUB ASSEMBLIES

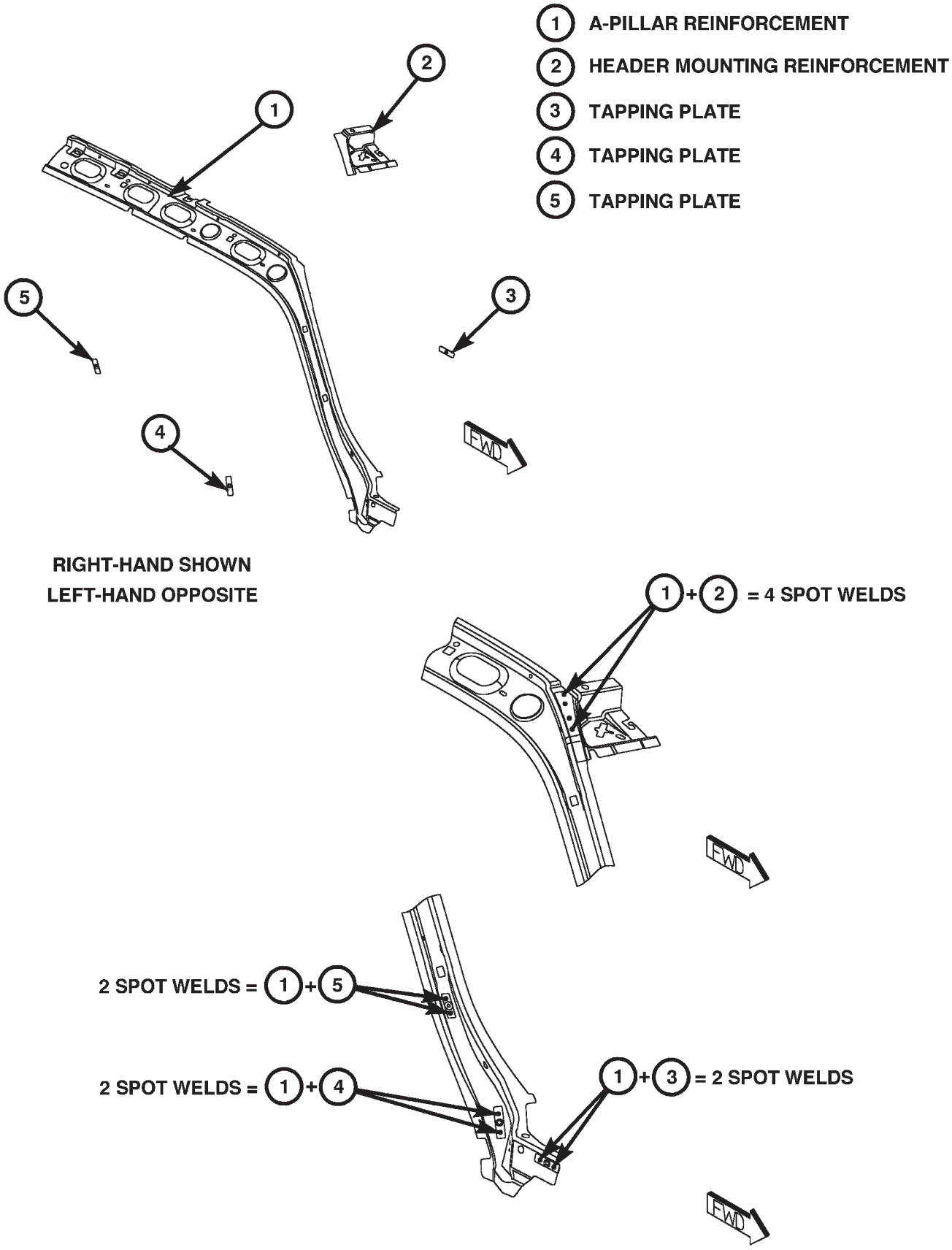
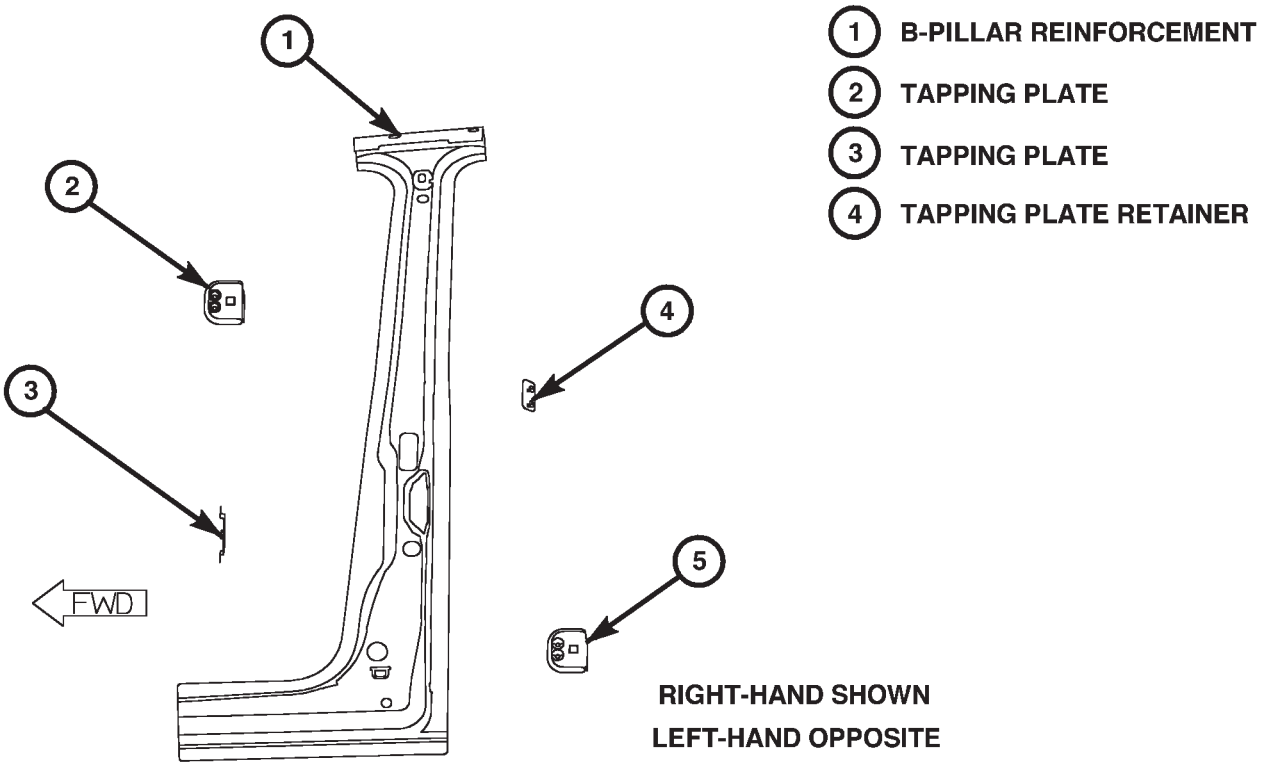


Fig. 45 A-PILLAR

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)



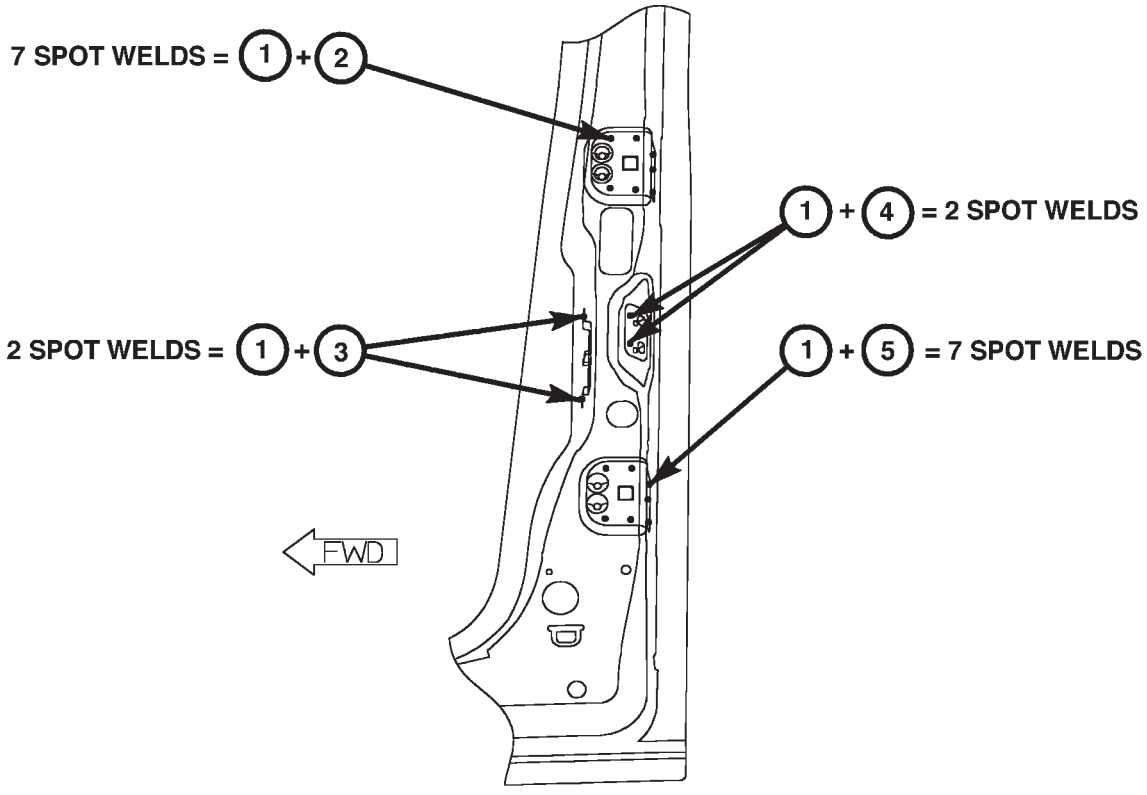
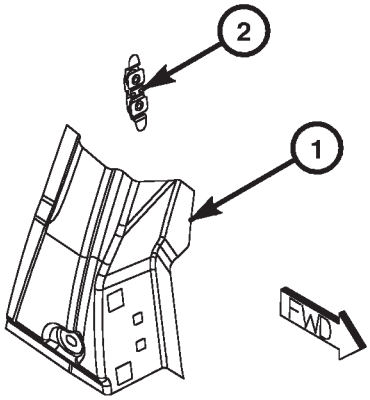


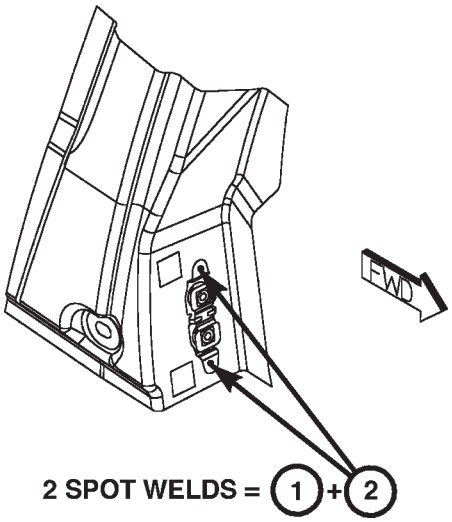
Fig. 46 B-PILLAR

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)



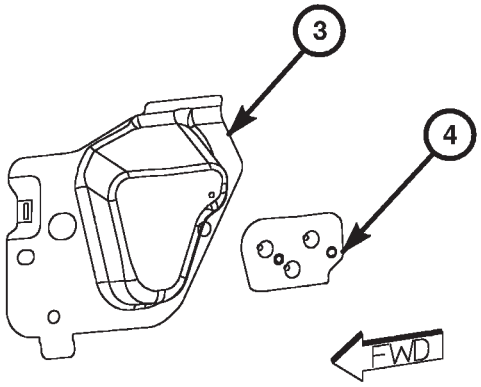
RIGHT-HAND SHOWN
LEFT-HAND OPPOSITE

1 C-PILLAR REINFORCEMENT
2 TAPPING PLATE

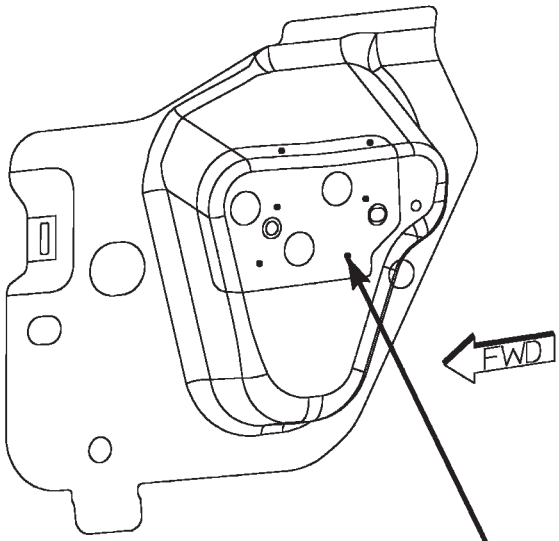


2 SPOT WELDS = 1 + 2

3 SEAT BACK MOUNTING REINFORCEMENT
4 TAPPING PLATE



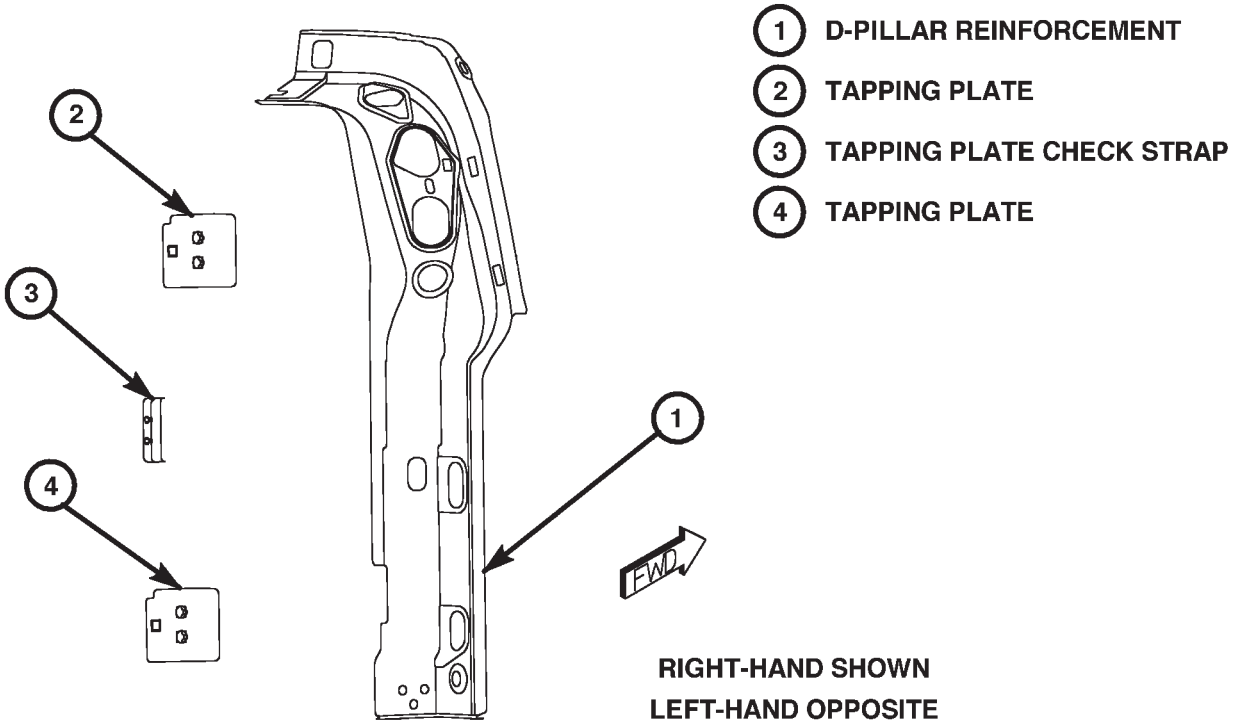
RIGHT-HAND SHOWN
LEFT-HAND OPPOSITE



6 SPOT WELDS = 1 + 2

Fig. 47 C-PILLAR

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)



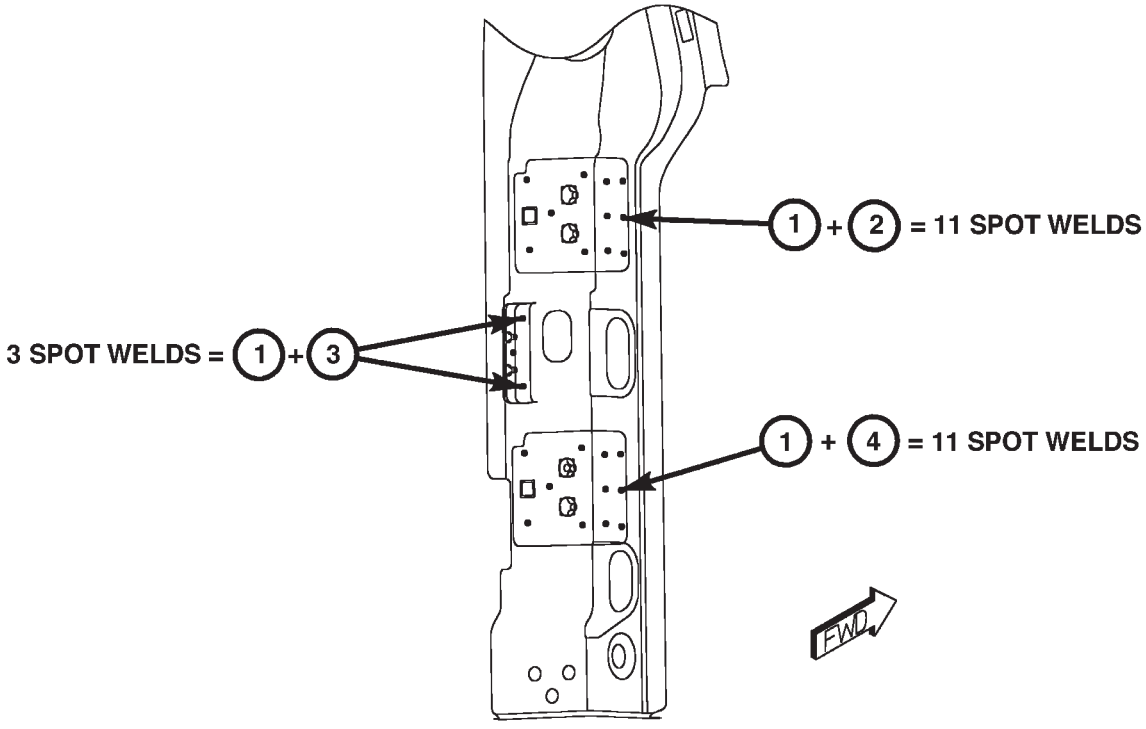


Fig. 48 D-PILLAR

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

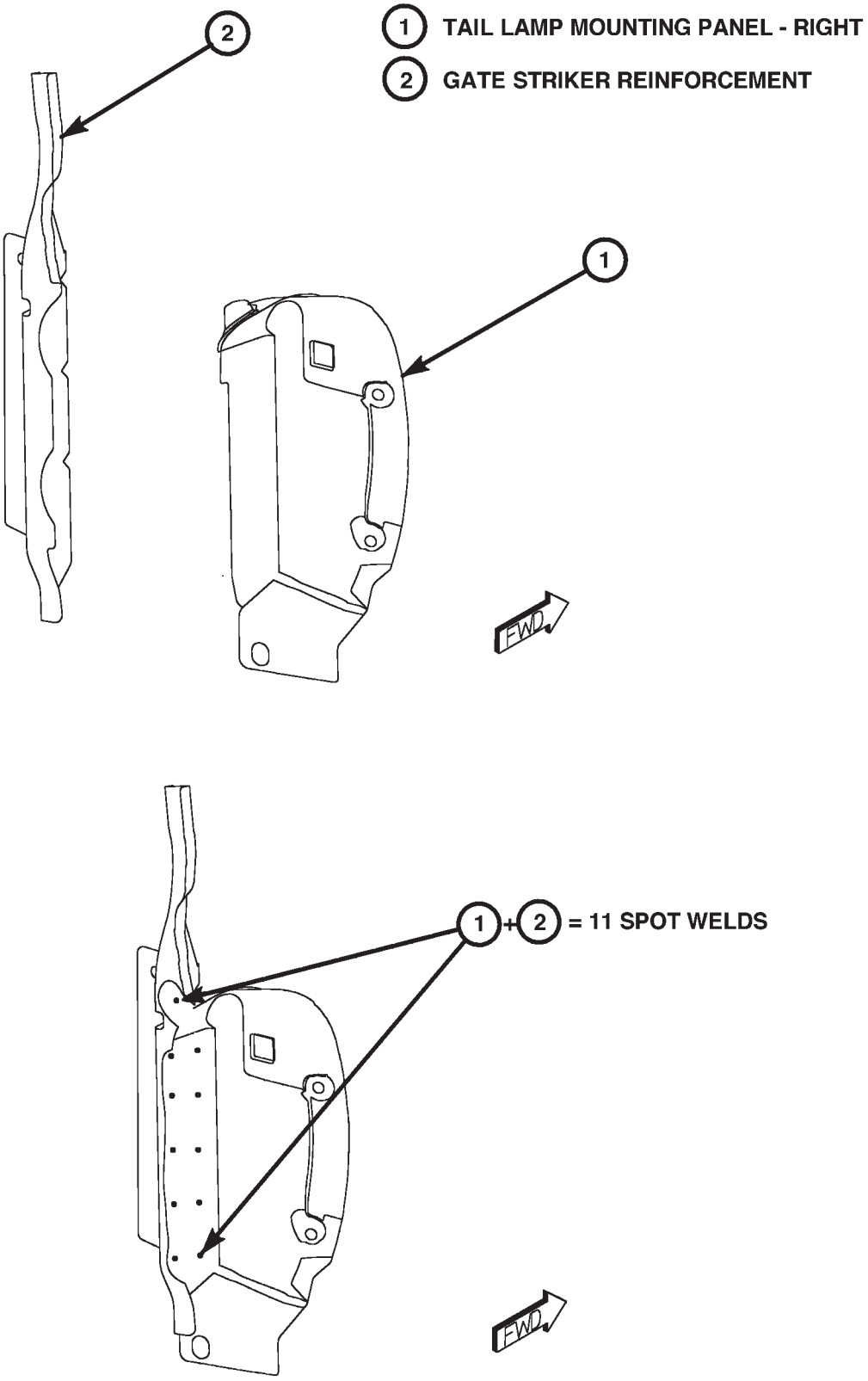


Fig. 49 TAIL LAMP MOUNTING PANEL

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

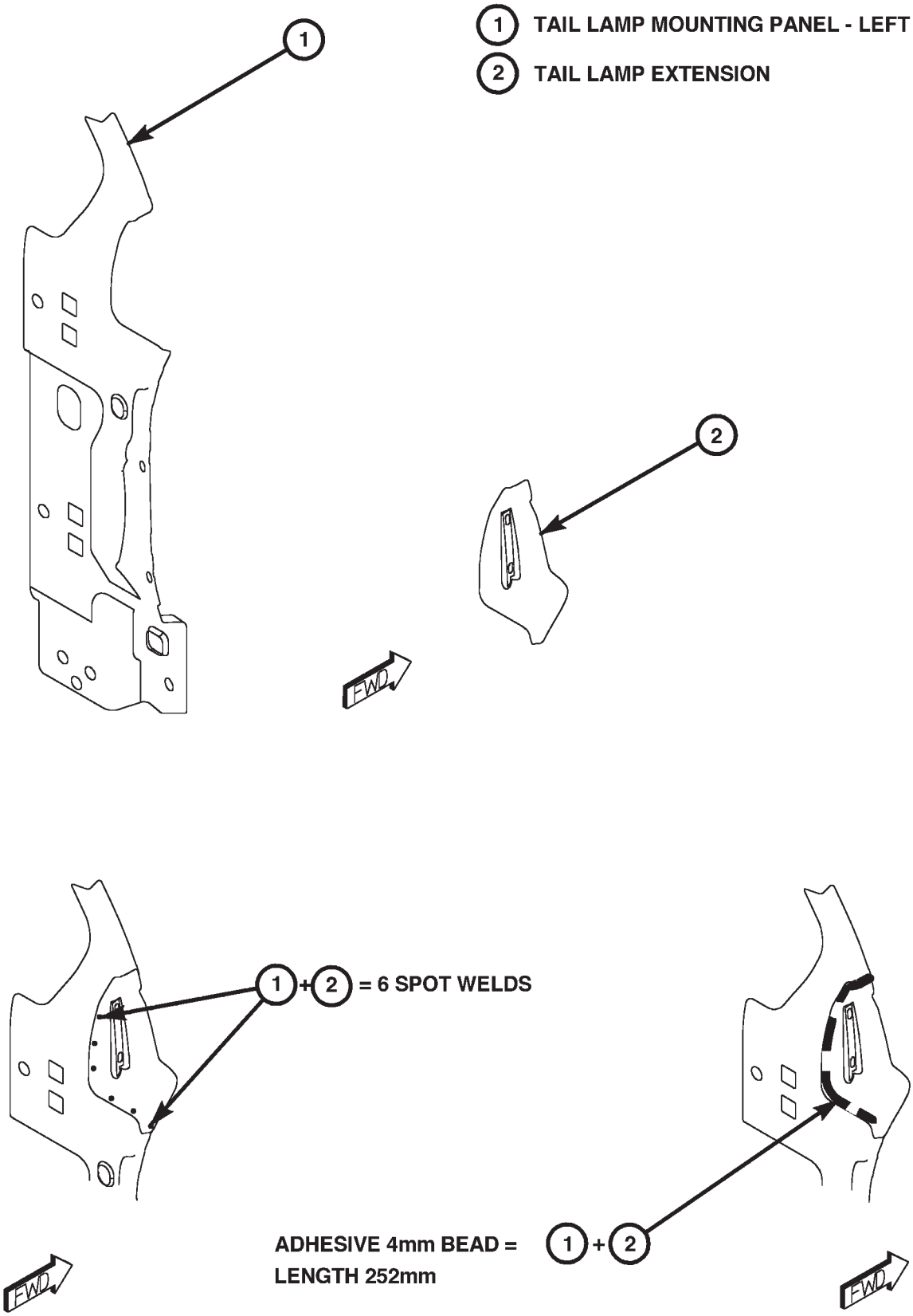


Fig. 50 TAIL LAMP MOUNTING PANEL

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

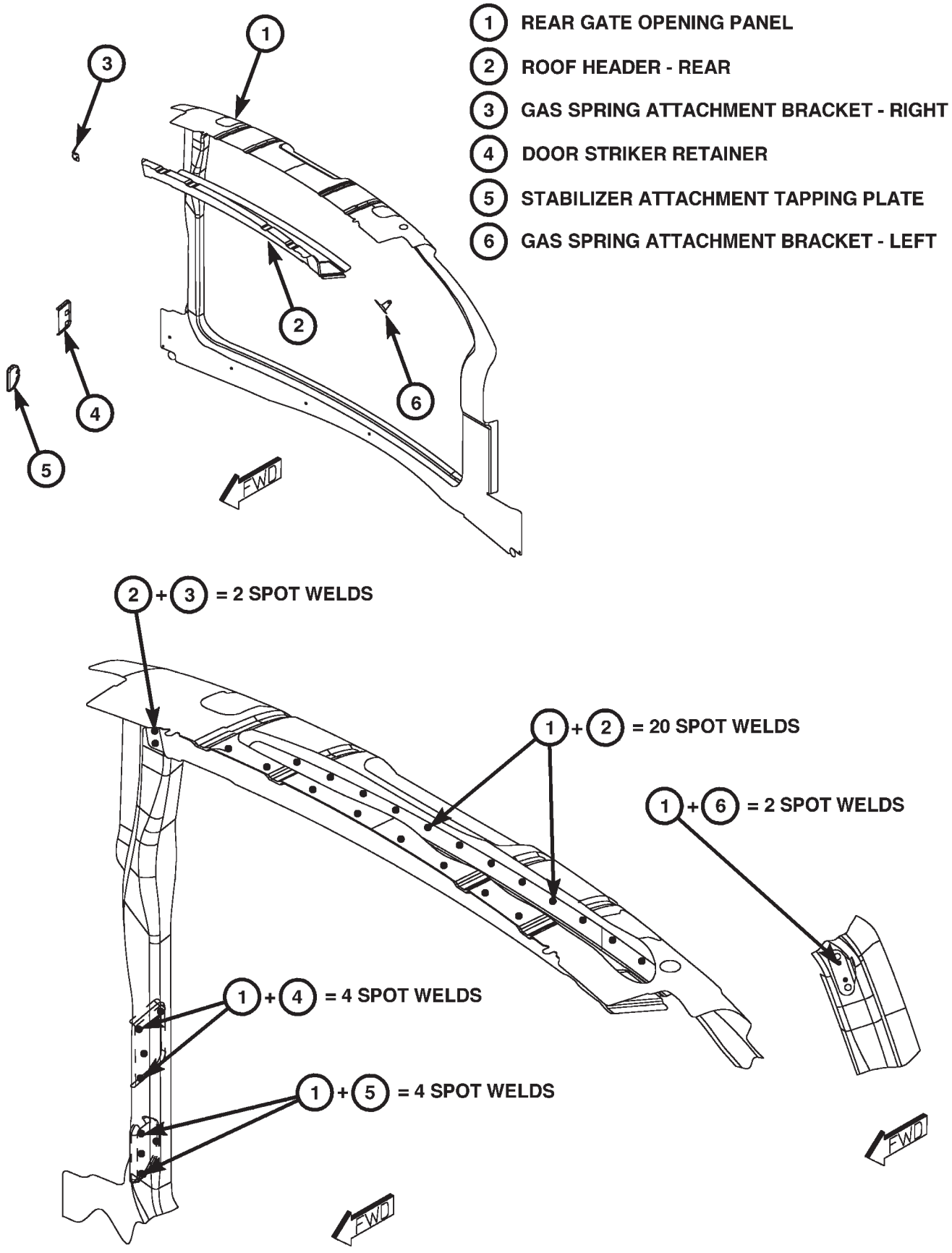
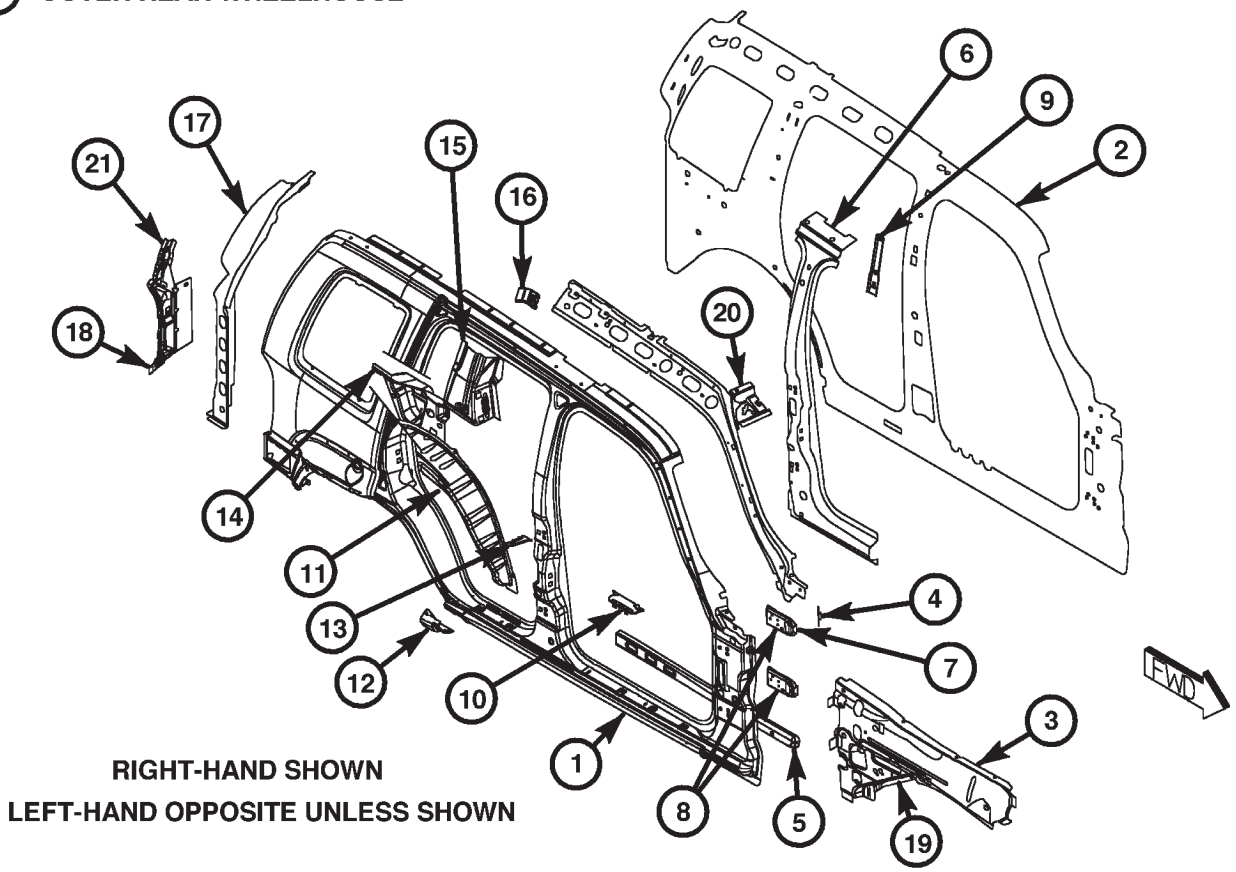


Fig. 51 SWING GATE OPENING

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

BODY SIDE PANELS

1. BODY SIDE OUTER PANEL
2. BODY SIDE INNER PANEL
3. INNER FENDER REINFORCEMENT ASSEMBLY
4. A-PILLAR REINFORCEMENT
5. BODY SIDE INNER LOWER REINFORCEMENT
6. B-PILLAR REINFORCEMENT
7. CHECK STRAP ATTACHMENT TAPING PLATE
8. DOOR HINGE TAPPING PLATE
9. B-PILLAR LOWER BAFFLE
10. SHOULDER BELT REINFORCEMENT
11. OUTER REAR WHEELHOUSE
12. SILL MOLDING ATTACH BRACKET
13. C-PILLAR LOWER BAFFLE
14. SEAT BACK ATTACH REINFORCEMENT
15. C-PILLAR REINFORCEMENT
16. SEAT-SHOULDER BELT REINFORCEMENT
17. D-PILLAR REINFORCEMENT
18. TAIL LAMP PANEL ASSEMBLY
19. INNER FENDER REINFORCEMENT
20. HEADER MOUNTING REINFORCEMENT
21. GATE STRIKER REINFORCEMENT



RIGHT-HAND SHOWN
LEFT-HAND OPPOSITE UNLESS SHOWN

NOTE
ITEM 19 IS PART OF THE INNER FENDER REINFORCEMENT ASSEMBLY
ITEM 20 IS PART OF THE A-PILLAR REINFORCEMENT ASSEMBLY
ITEM 21 IS PART OF THE TAIL LAMP MOUNTING PANEL ASSEMBLY

Fig. 52 BODY SIDE PANEL ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

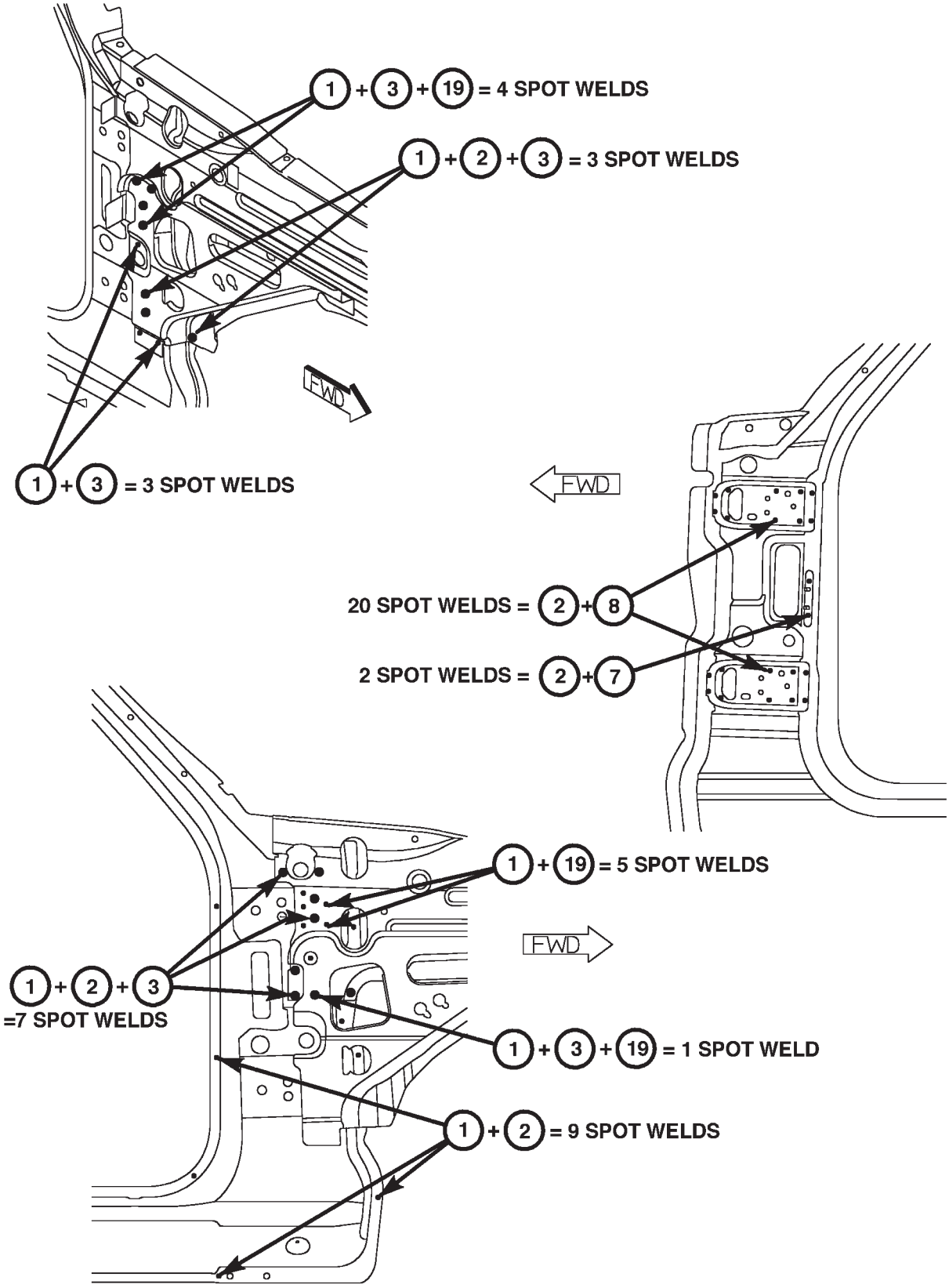


Fig. 53 FENDER REINFORCEMENT

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

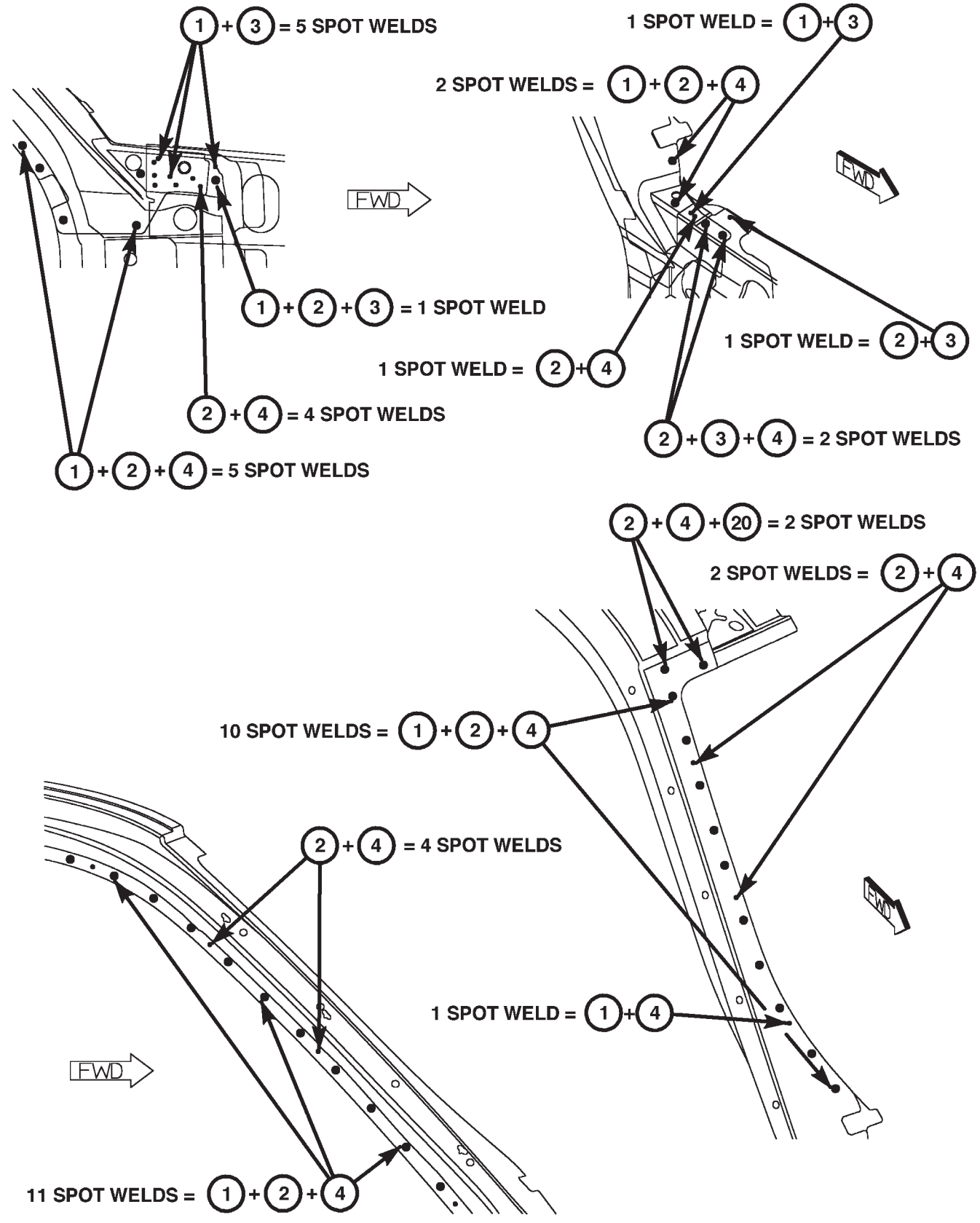


Fig. 54 A-PILLAR; FENDER REINFORCEMENT

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

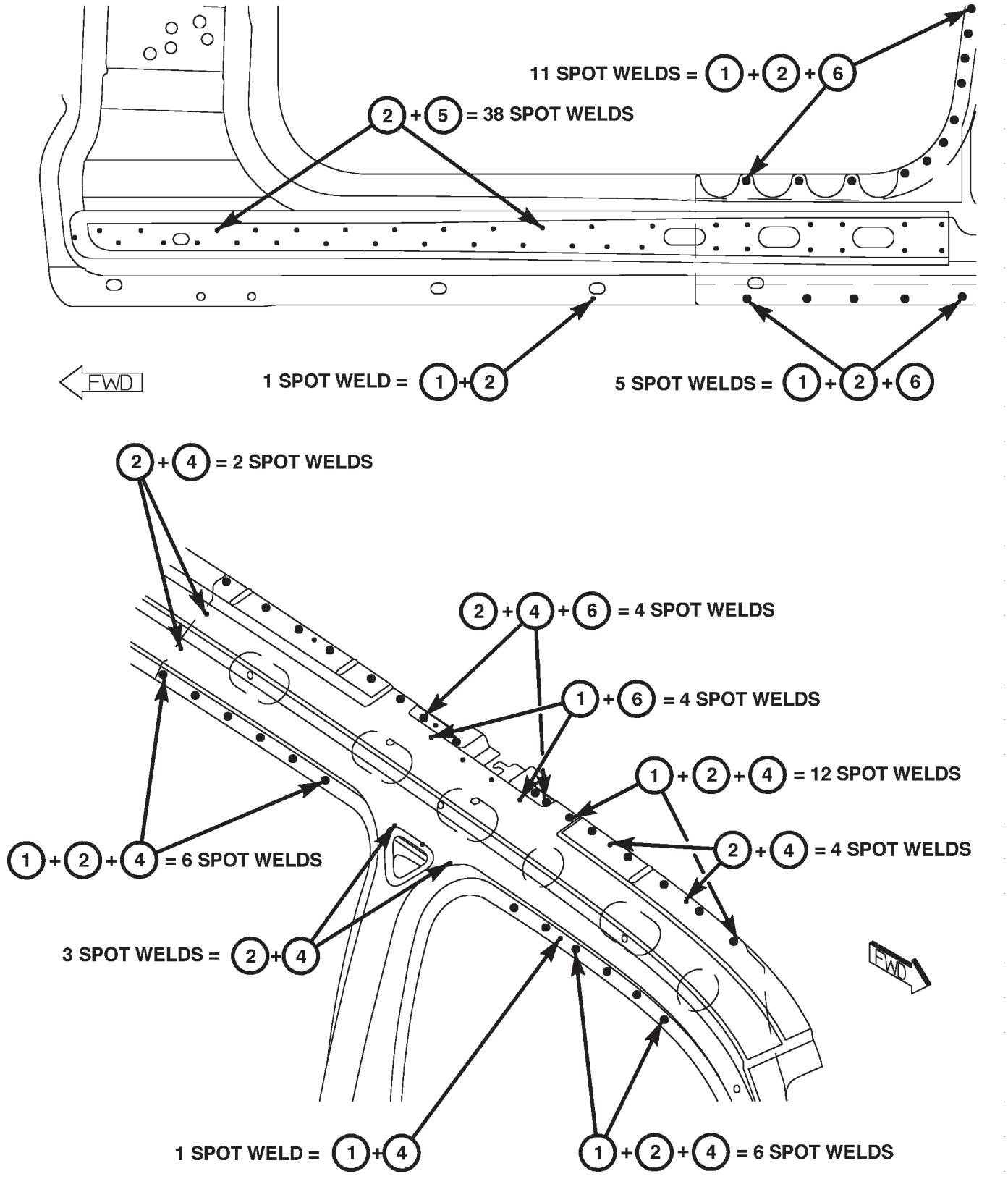


Fig. 55 UPPER AND LOWER BODY SIDE PANEL

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

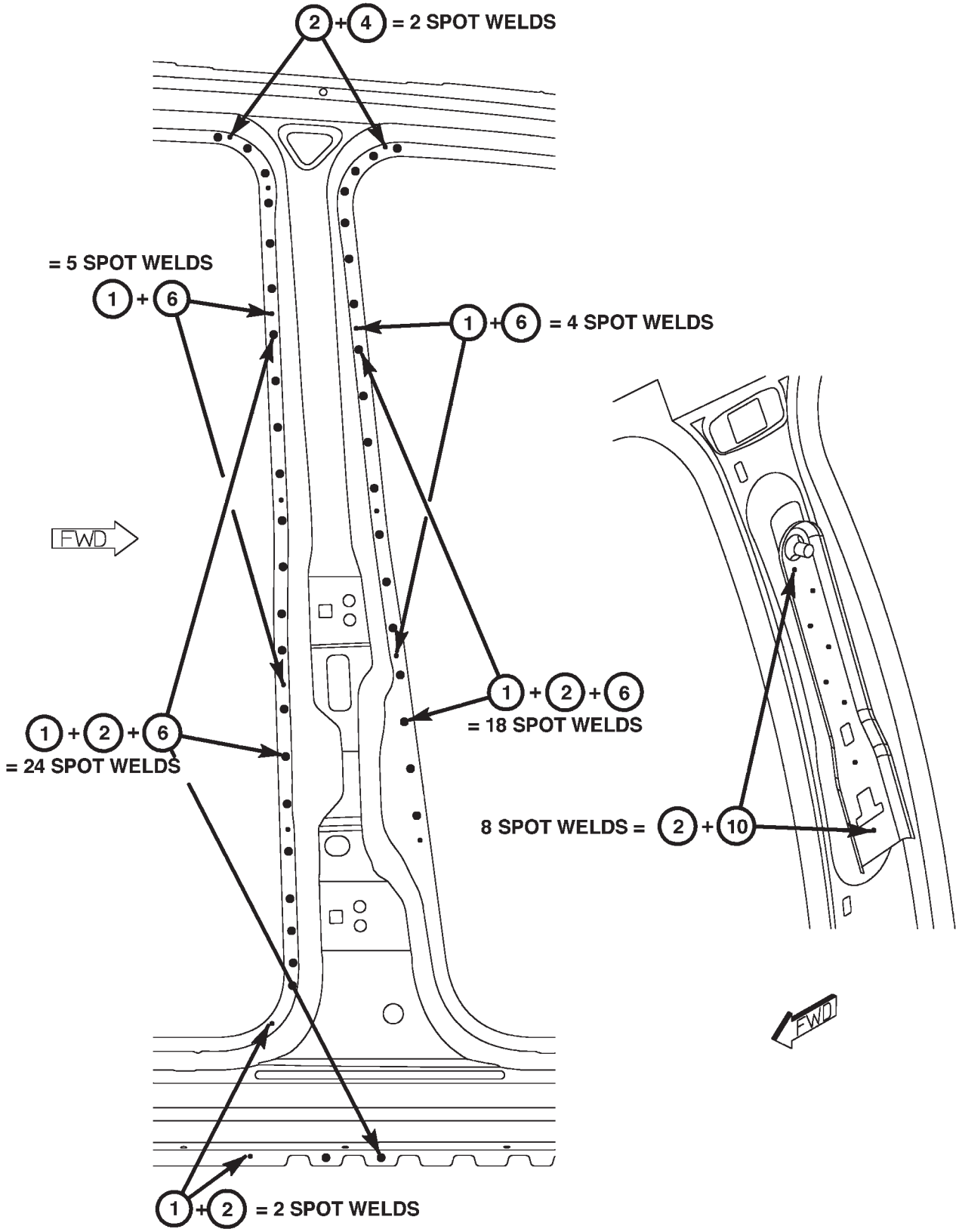


Fig. 56 B-PILLAR

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

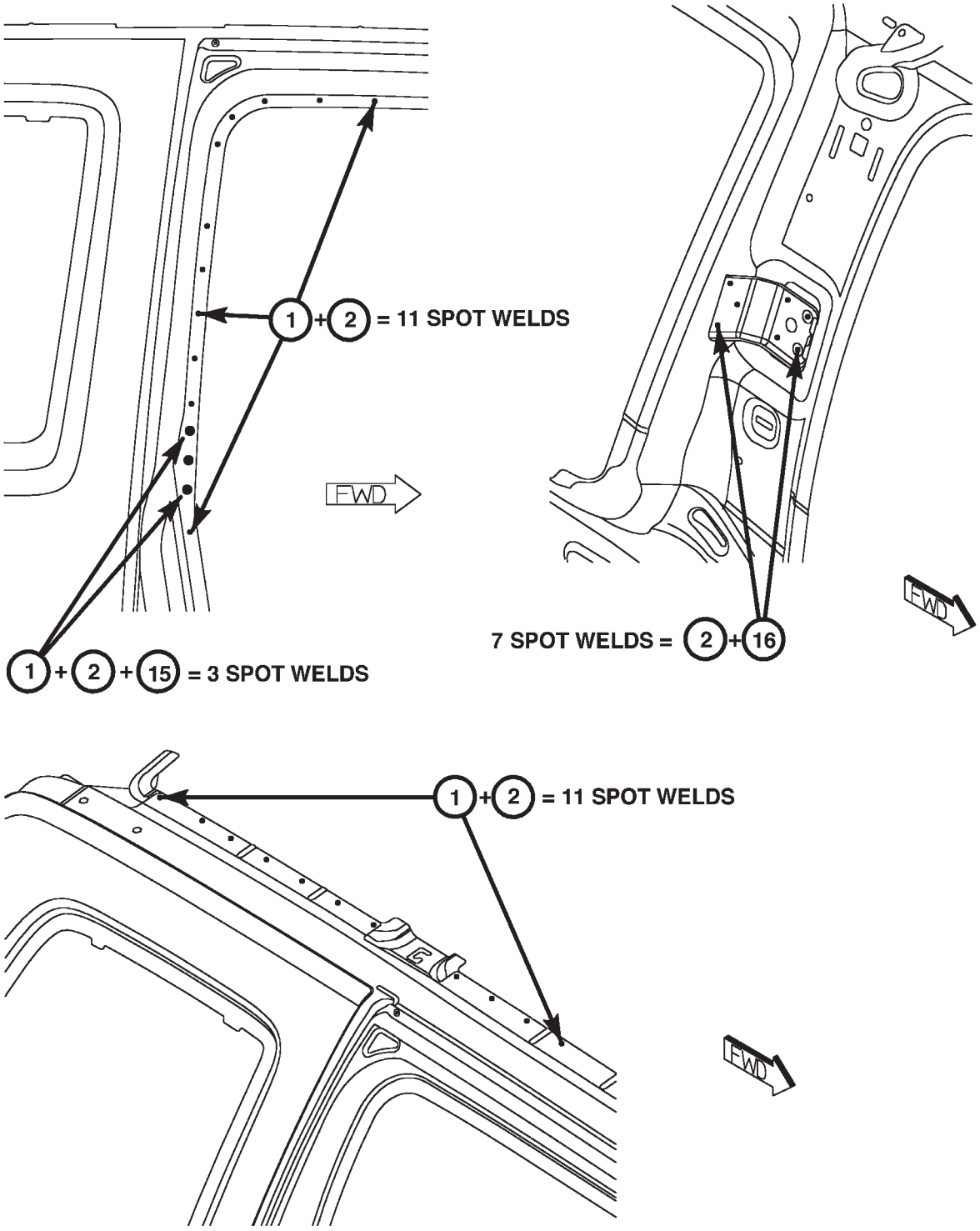


Fig. 57 C-PILLAR

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

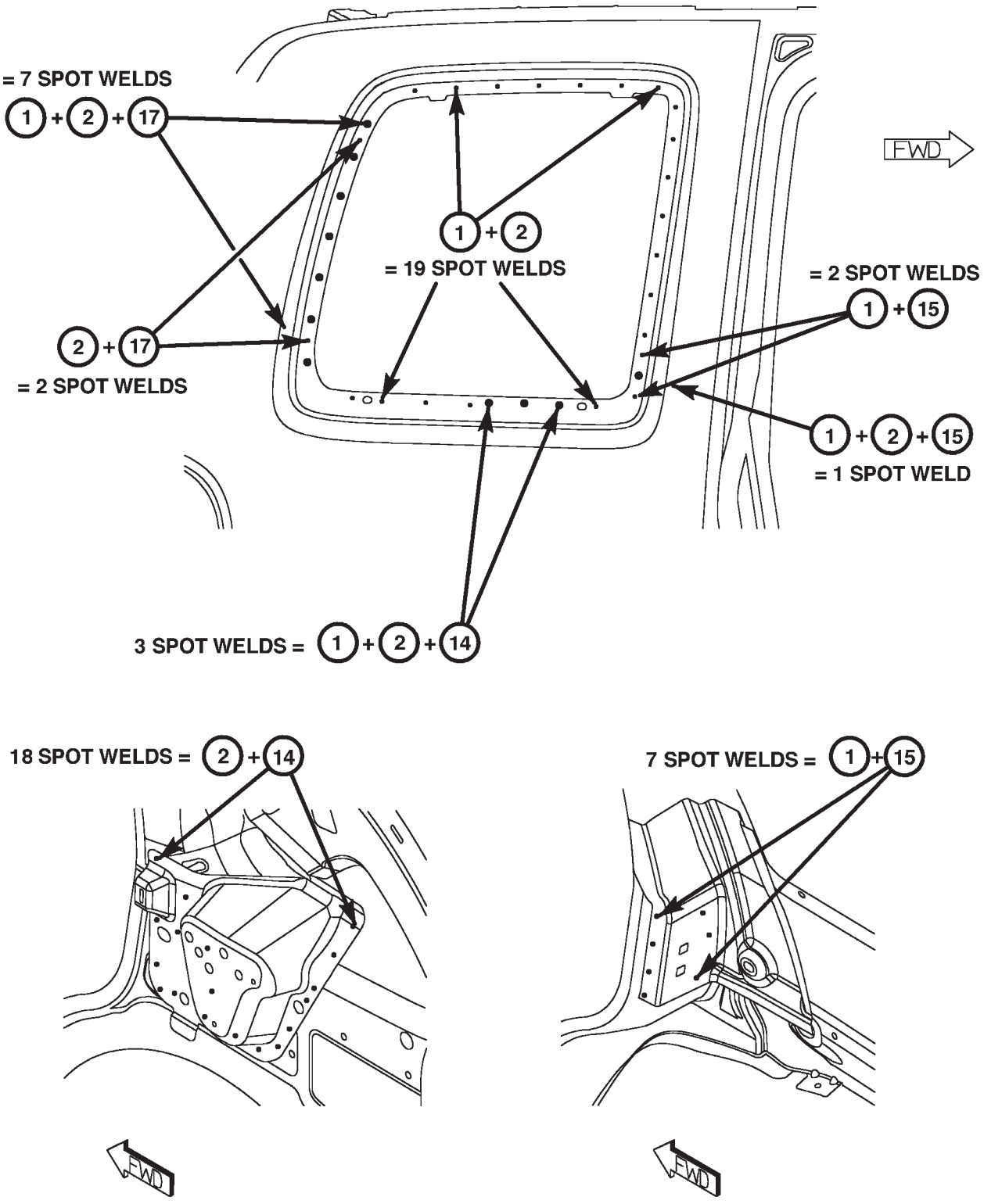


Fig. 58 QUARTER WINDOW OPENING

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

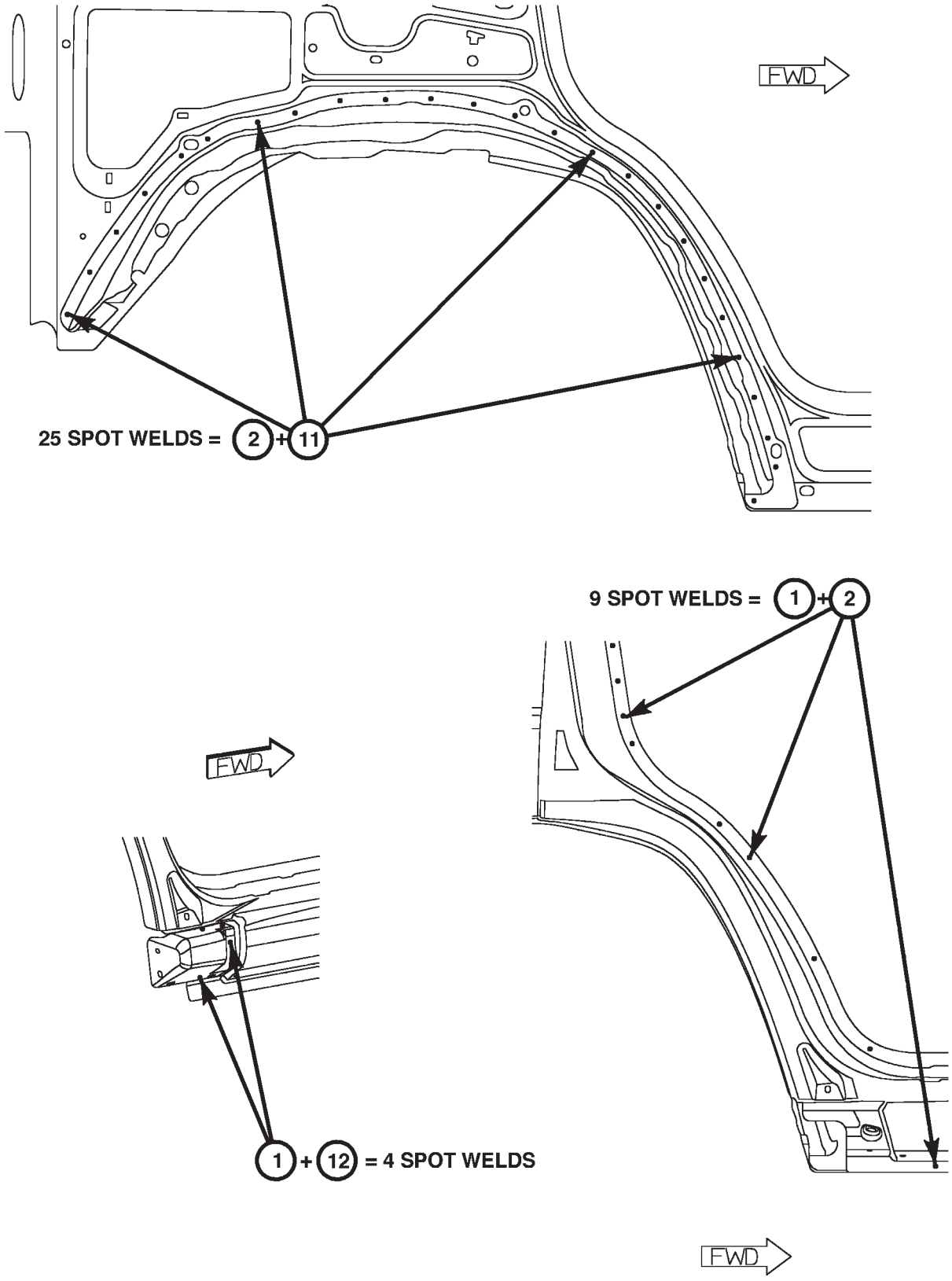


Fig. 59 OUTER REAR WHEELHOUSE

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

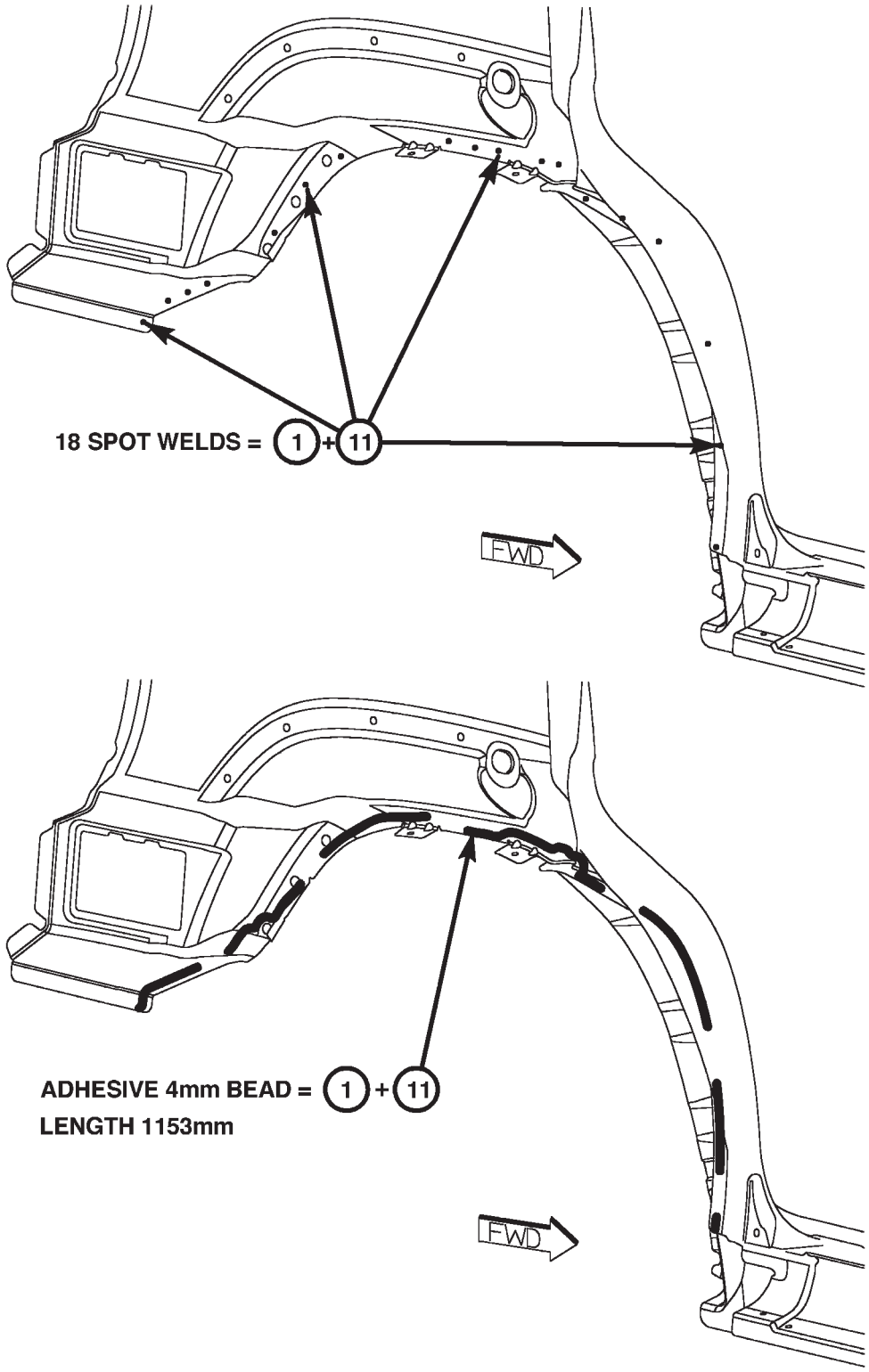


Fig. 60 OUTER REAR WHEELHOUSE

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

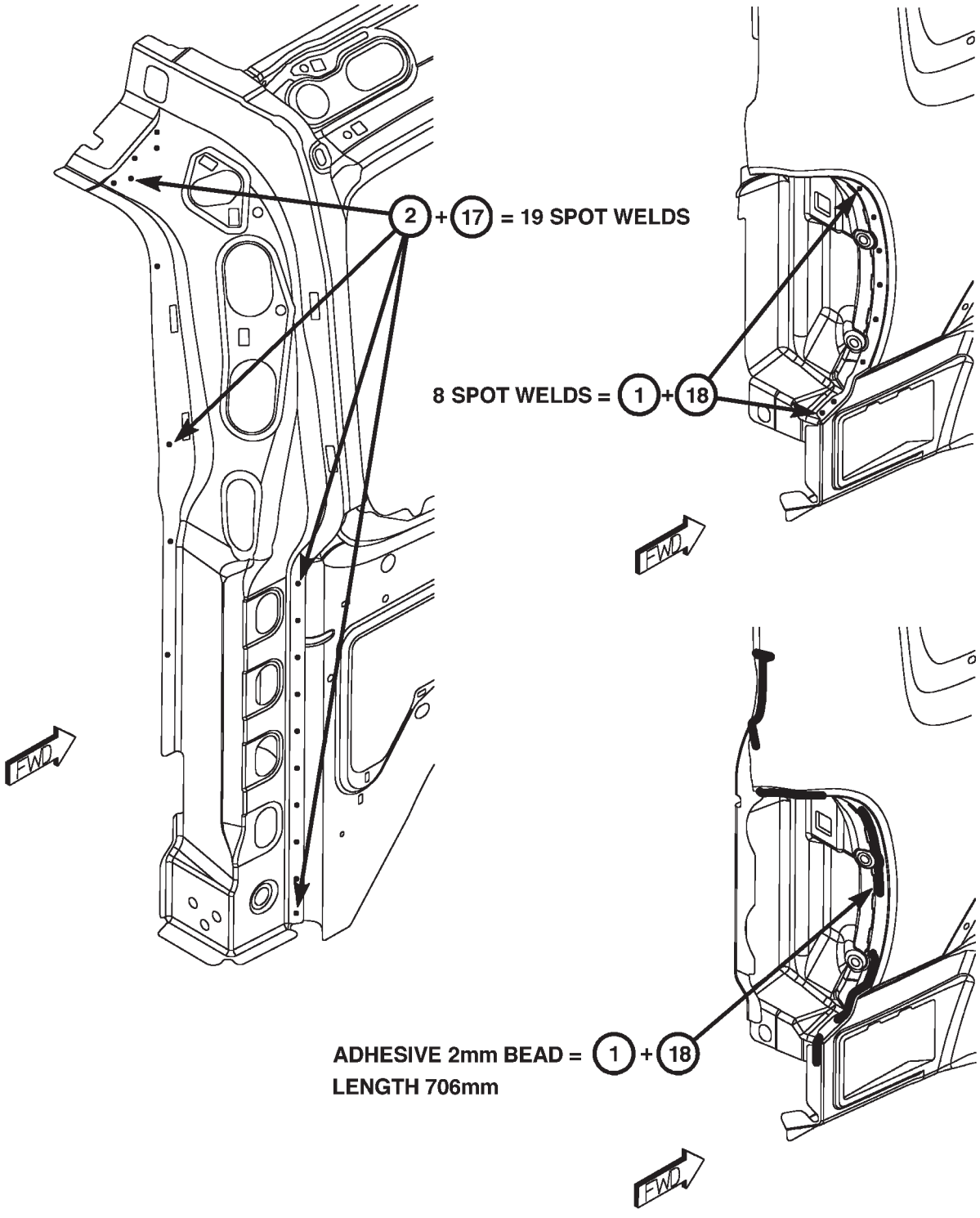


Fig. 61 D-PILLAR

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

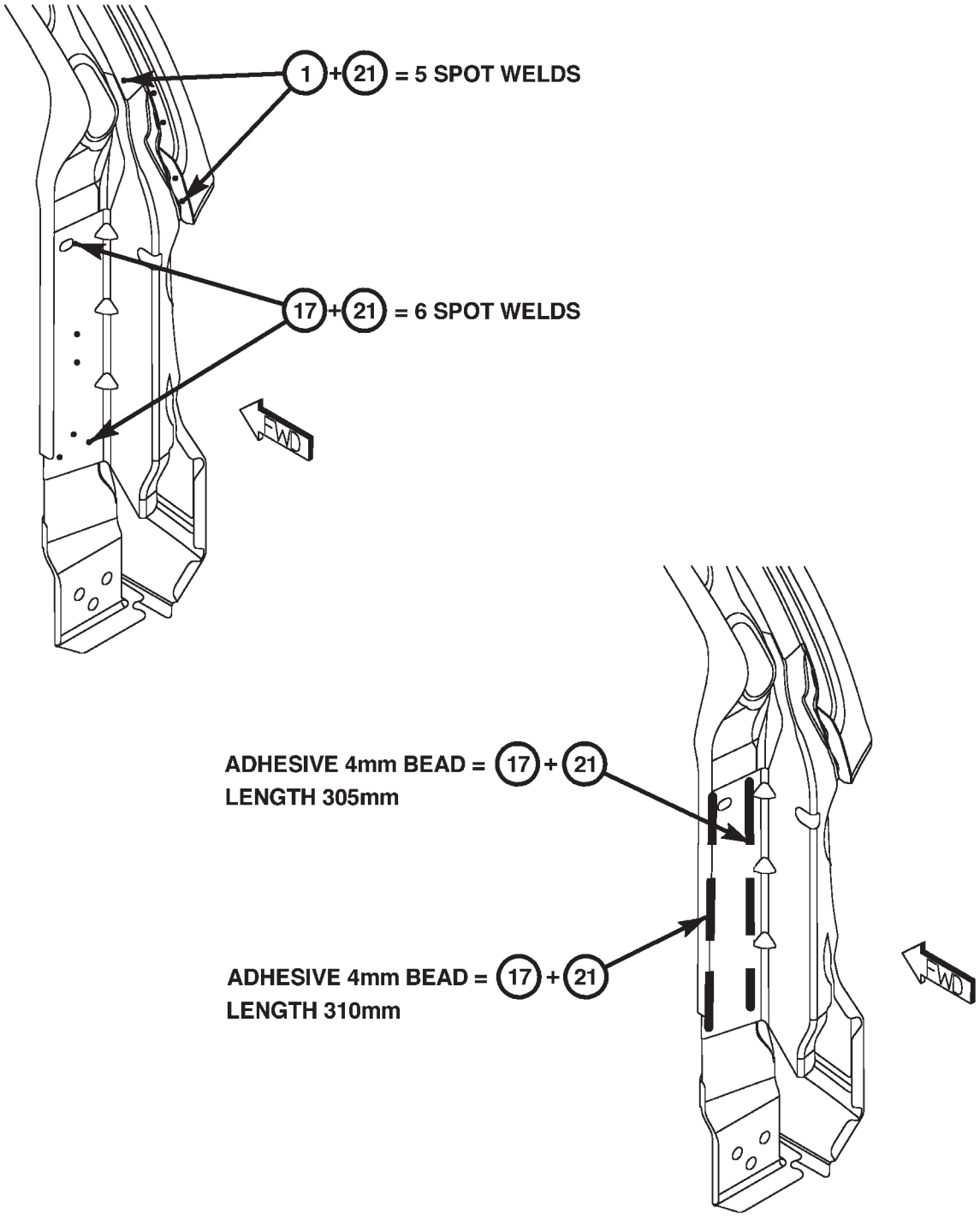


Fig. 62 SWING GATE STRIKER REINFORCEMENT

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

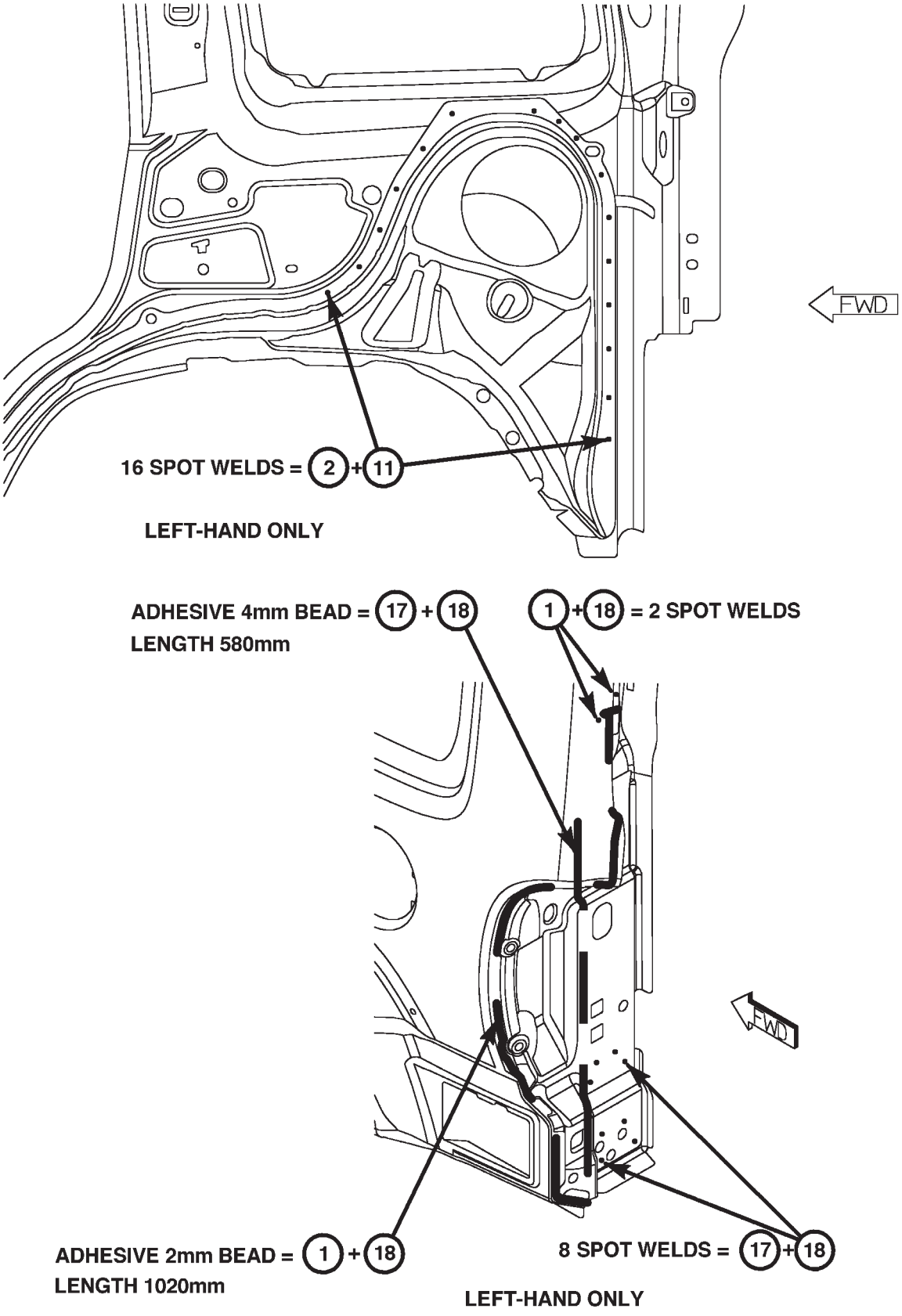
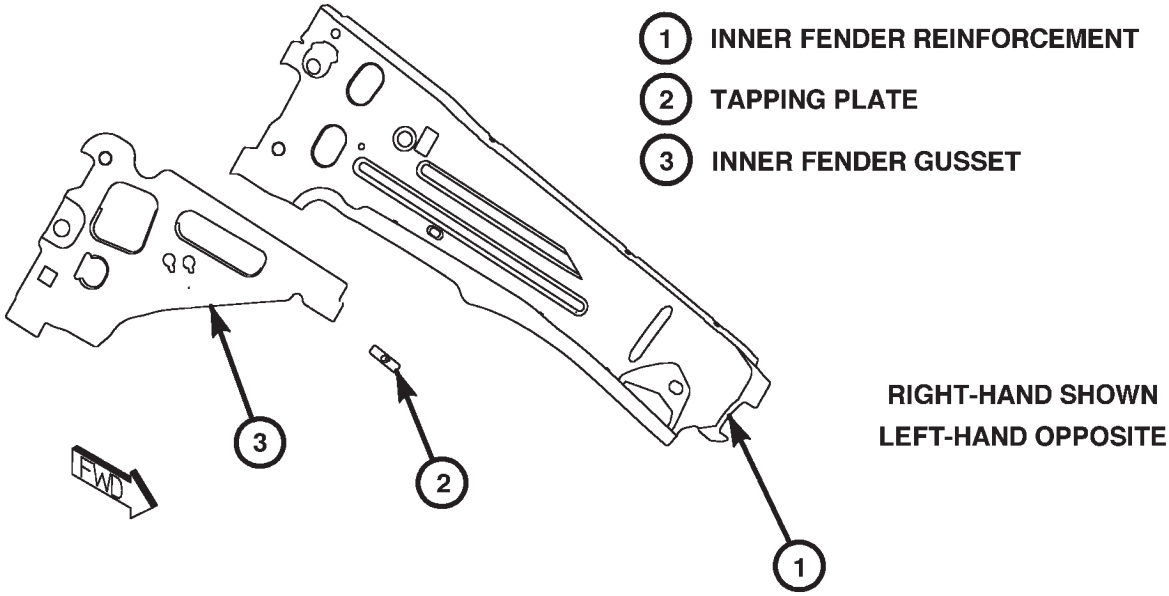


Fig. 63 REAR WHEELHOUSE AND TAIL LAMP

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

FENDER ASSEMBLIES



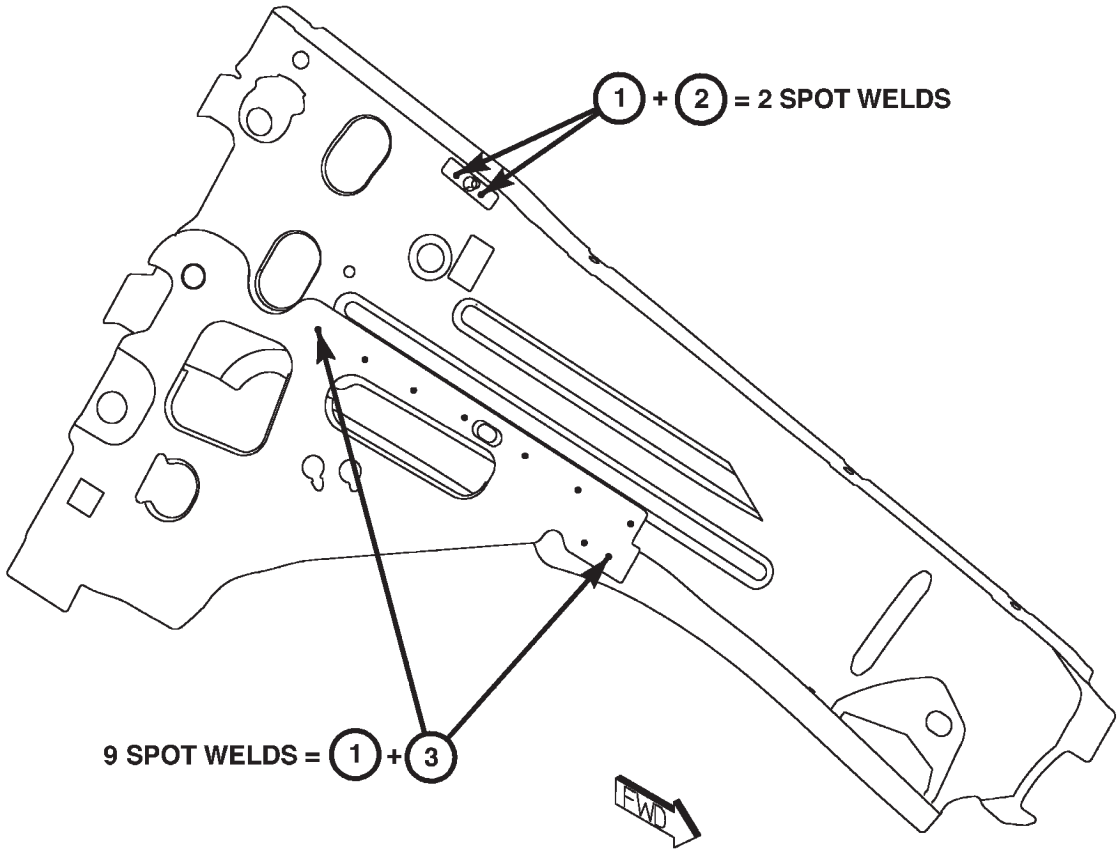


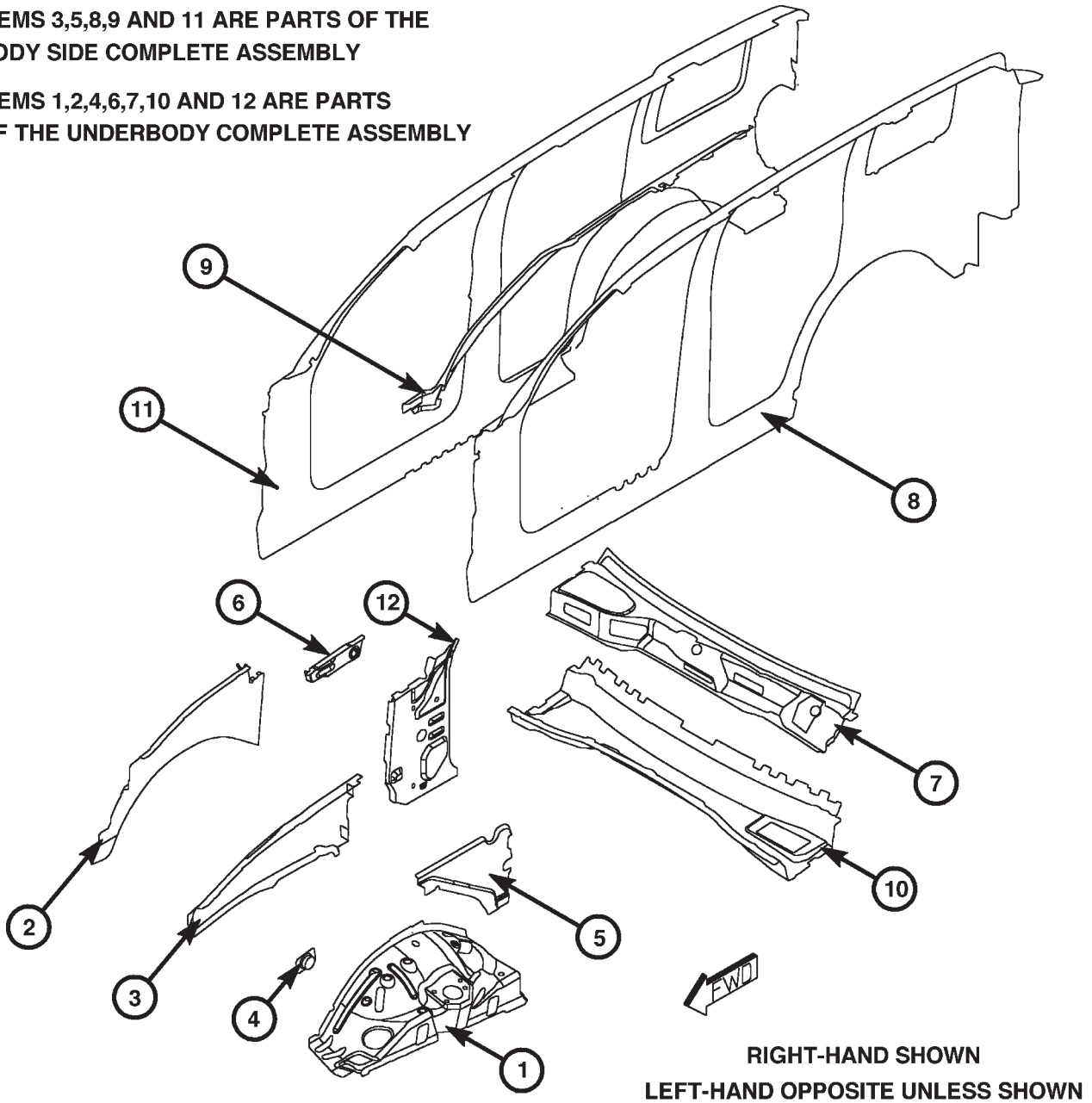
Fig. 64 FENDERS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

1. INNER FRONT WHEELHOUSE
2. INNER FENDER REINFORCEMENT
3. INNER FENDER PANEL
4. RADIATOR SUPPORT BRACKET
5. INNER FRONT FENDER GUSSET
6. PLENUM CLOSURE
7. PLENUM BAFFLE
8. BODY SIDE INNER PANEL
9. A-PILLAR REINFORCEMENT
10. PLENUM LOWER PANEL
11. BODY SIDE OUTER PANEL
12. COWL SIDE PANEL

NOTE
ITEMS 3,5,8,9 AND 11 ARE PARTS OF THE BODY SIDE COMPLETE ASSEMBLY

ITEMS 1,2,4,6,7,10 AND 12 ARE PARTS OF THE UNDERBODY COMPLETE ASSEMBLY



RIGHT-HAND SHOWN
LEFT-HAND OPPOSITE UNLESS SHOWN

Fig. 65 FENDER ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

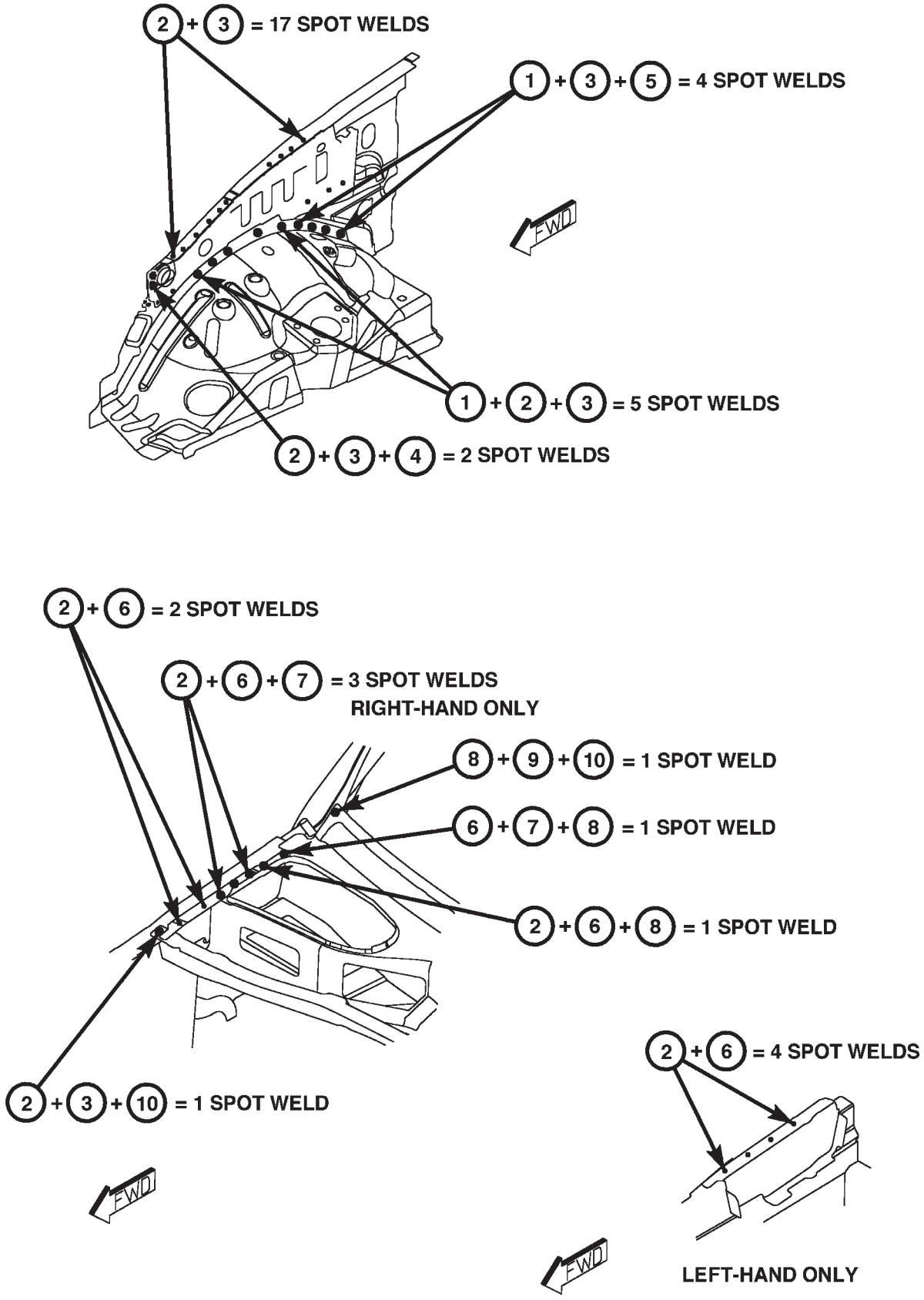


Fig. 66 INNER FENDER

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

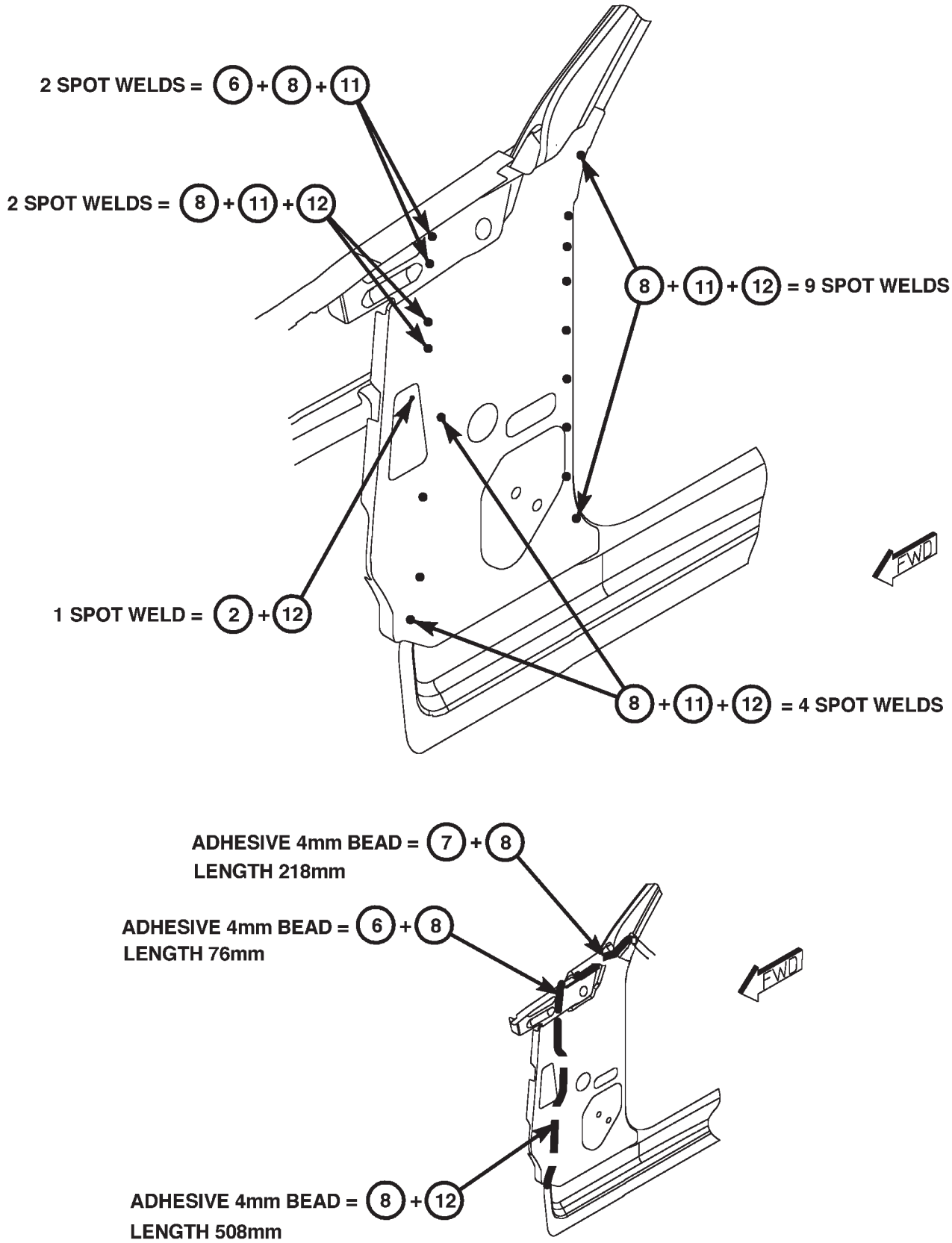


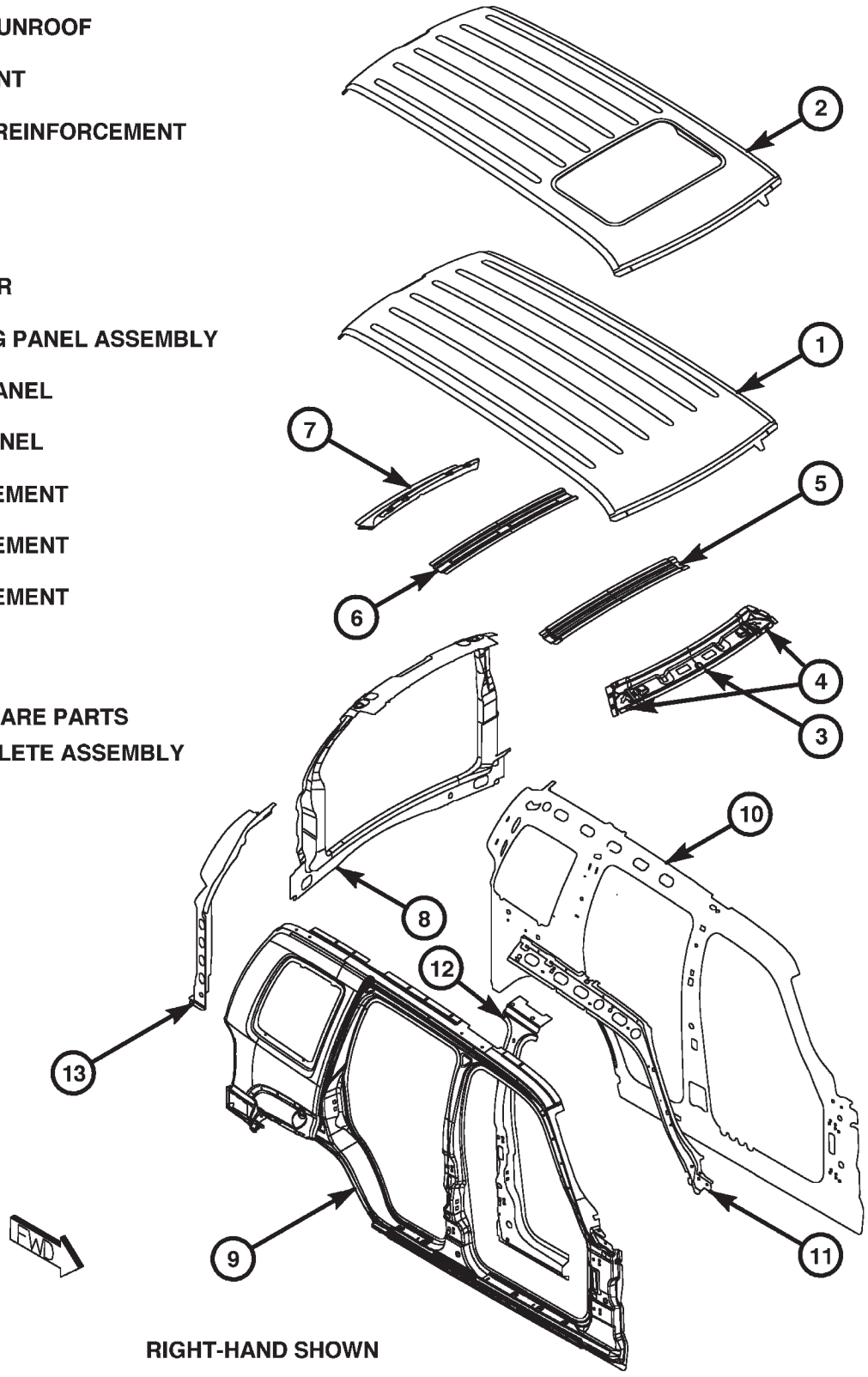
Fig. 67 FRONT INNER SIDE PANELS

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

ROOF PANEL ASSEMBLIES

1. ROOF PANEL
2. ROOF PANEL WITH SUNROOF
3. ROOF HEADER - FRONT
4. HEADER MOUNTING REINFORCEMENT
5. ROOF BOW - FRONT
6. ROOF BOW - REAR
7. ROOF HEADER - REAR
8. REAR GATE OPENING PANEL ASSEMBLY
9. BODY SIDE OUTER PANEL
10. BODY SIDE INNER PANEL
11. A-PILLAR REINFORCEMENT
12. B-PILLAR REINFORCEMENT
13. D-PILLAR REINFORCEMENT

NOTE
ITEMS 4,9,10,11,12 AND 13 ARE PARTS OF THE BODY SIDE COMPLETE ASSEMBLY



RIGHT-HAND SHOWN
LEFT-HAND OPPOSITE

Fig. 68 ROOF PANEL ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

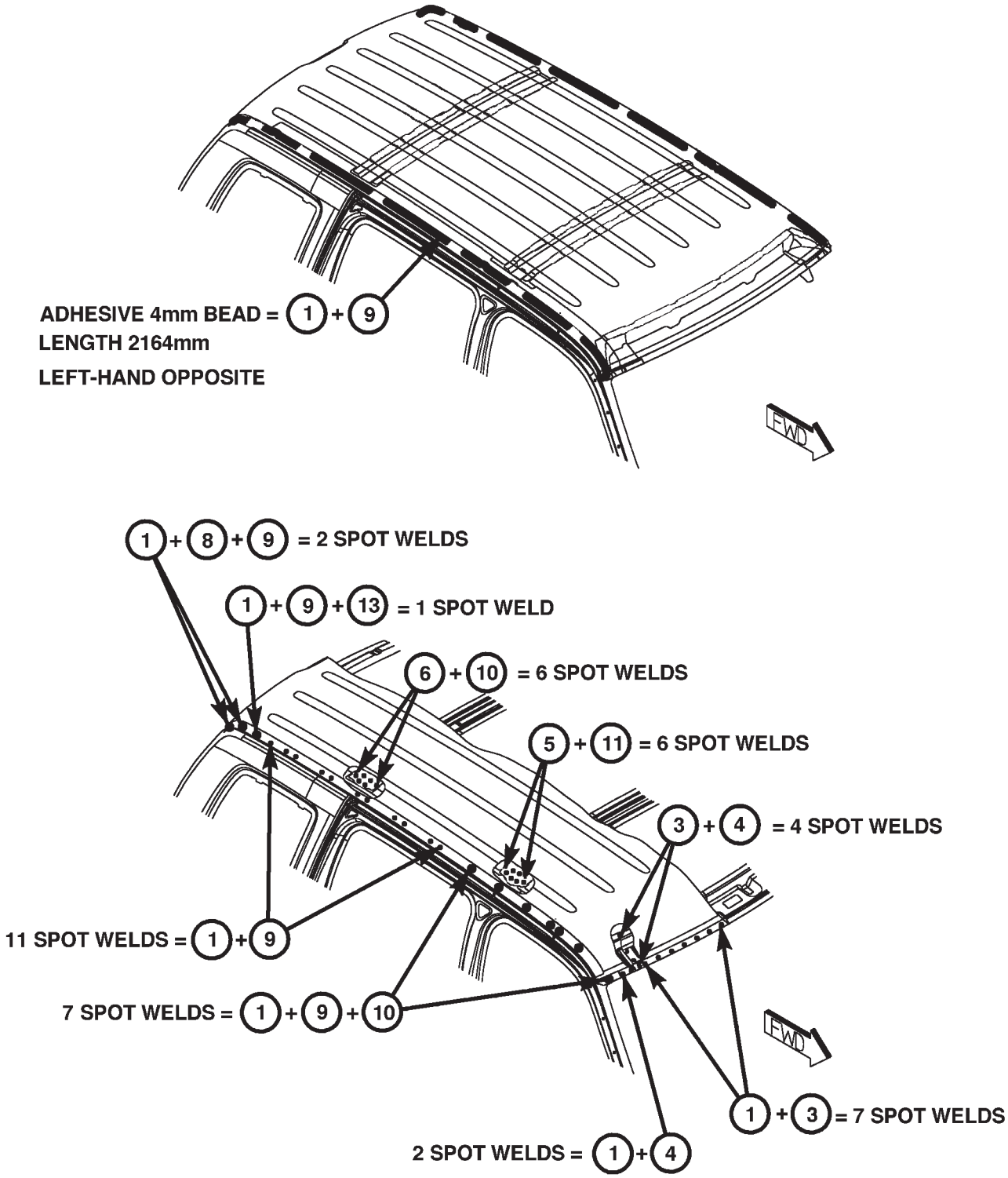


Fig. 69 ROOF PANEL ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

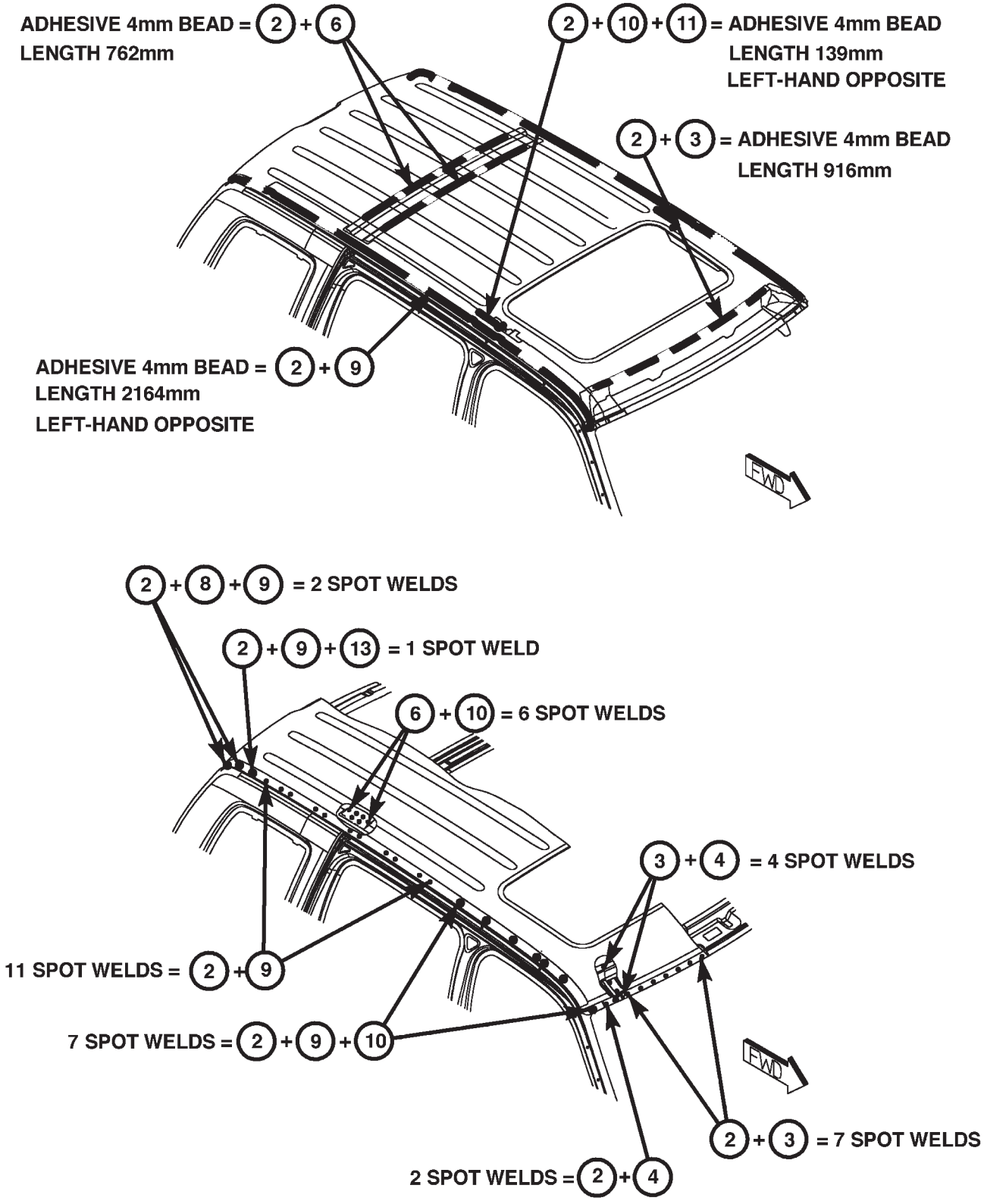
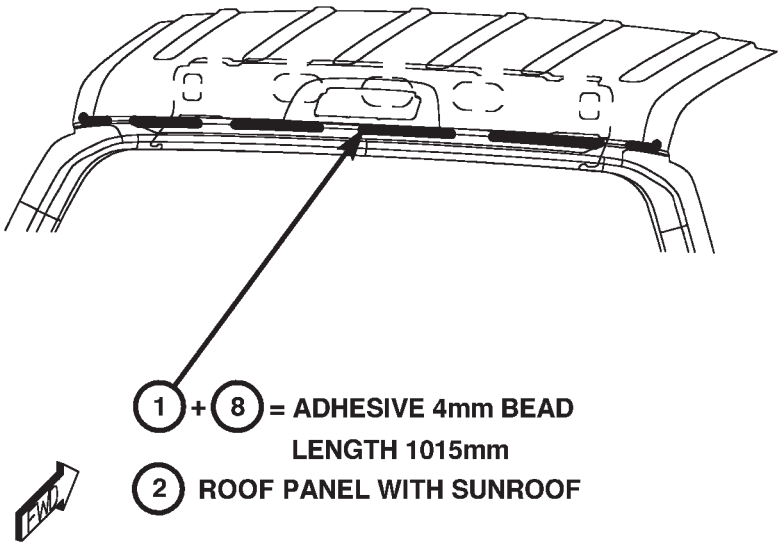


Fig. 70 ROOF PANEL

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)



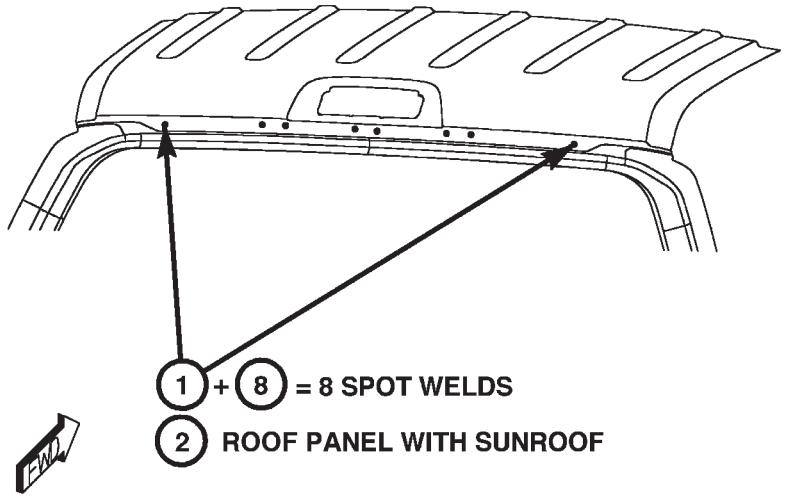


Fig. 71 ROOF PANEL

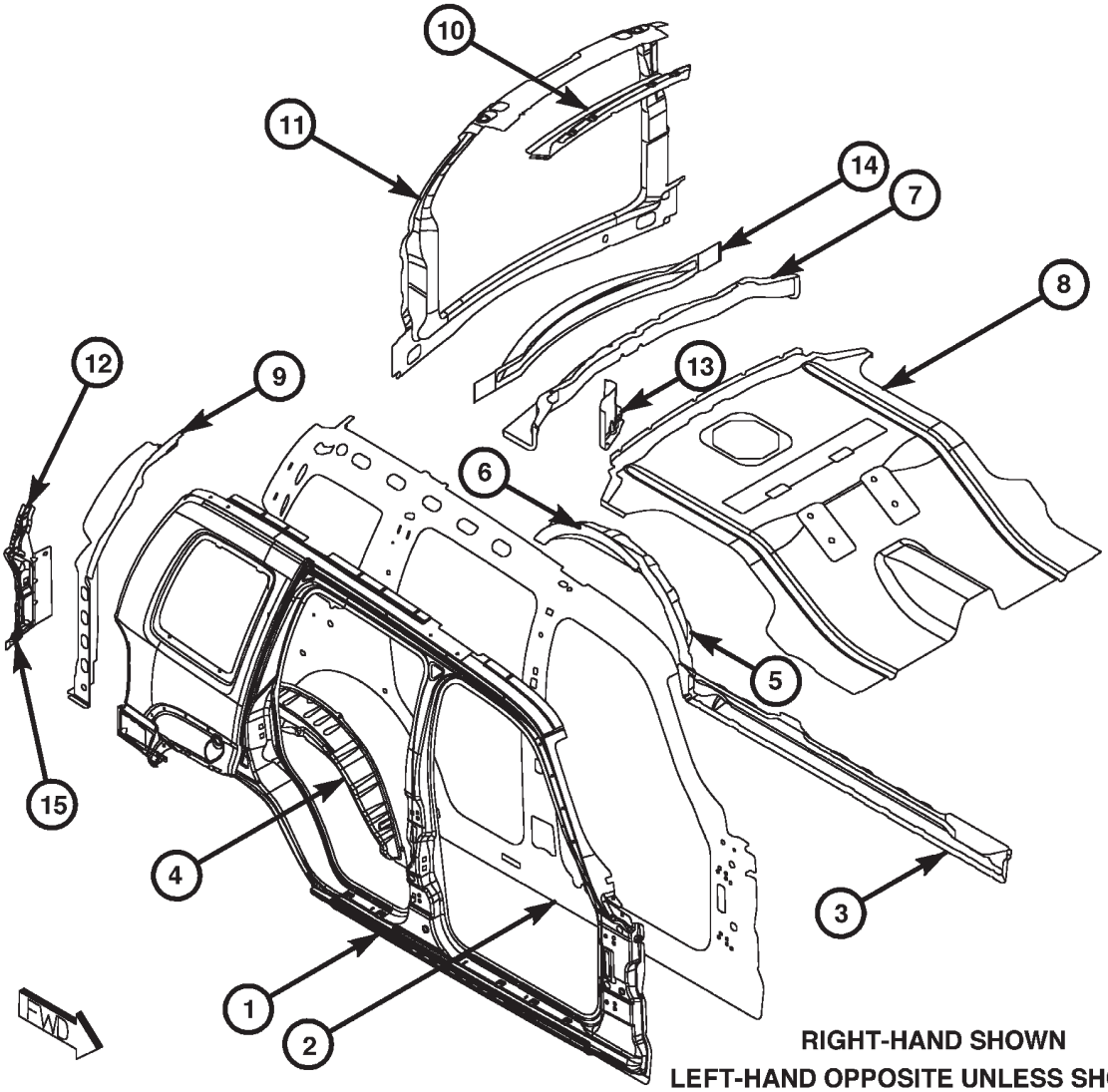
WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

BODY SIDE PANELS & FLOOR PAN ASSEMBLIES

1. BODY SIDE OUTER PANEL
2. BODY SIDE INNER PANEL
3. BODY SIDE SILL
4. REAR WHEELHOUSE OUTER PANEL
5. REAR WHEELHOUSE INNER PANEL ASSEMBLY
6. REAR WHEELHOUSE INNER EXTENSION
7. REAR CROSSMEMBER
8. REAR FLOOR PAN
9. D-PILLAR REINFORCEMENT
10. ROOF HEADER - REAR
11. REAR GATE OPENING PANEL ASSEMBLY
12. GATE STRIKER REINFORCEMENT
13. D-PILLAR LOWER TO FLOOR GUSSET
14. GATE OPENING REINFORCEMENT
15. TAIL LAMP MOUNTING PANEL

NOTE
ITEMS 1,2,9,12 AND 15 ARE PARTS OF THE BODY SIDE COMPLETE ASSEMBLY

ITEMS 3,4,5,6,7,8,13 AND 14 ARE PARTS OF THE UNDERBODY COMPLETE ASSEMBLY



RIGHT-HAND SHOWN
LEFT-HAND OPPOSITE UNLESS SHOWN

Fig. 72 BODY SIDE PANEL ASSEMBLY

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

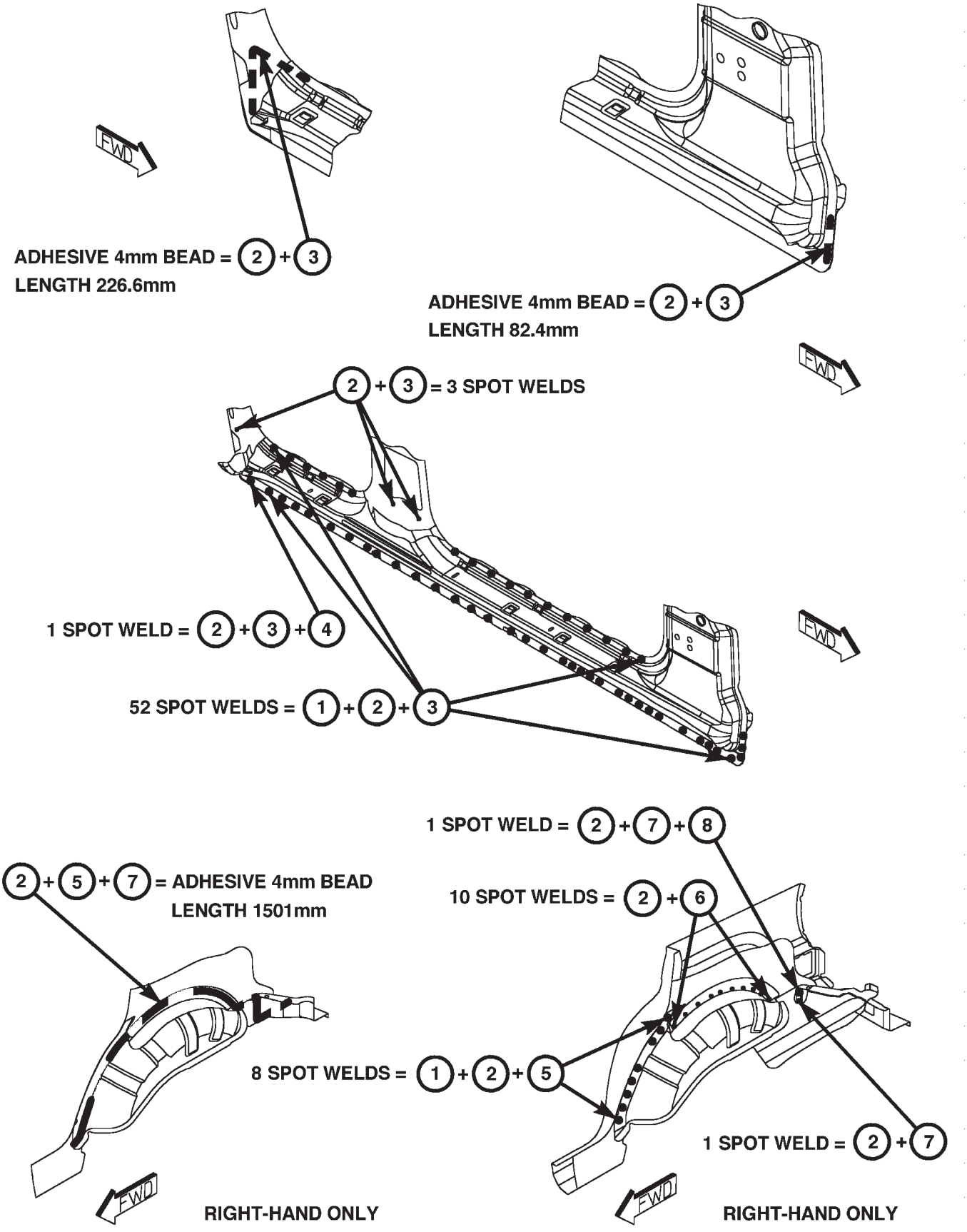


Fig. 73 BODY SIDE PANEL

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

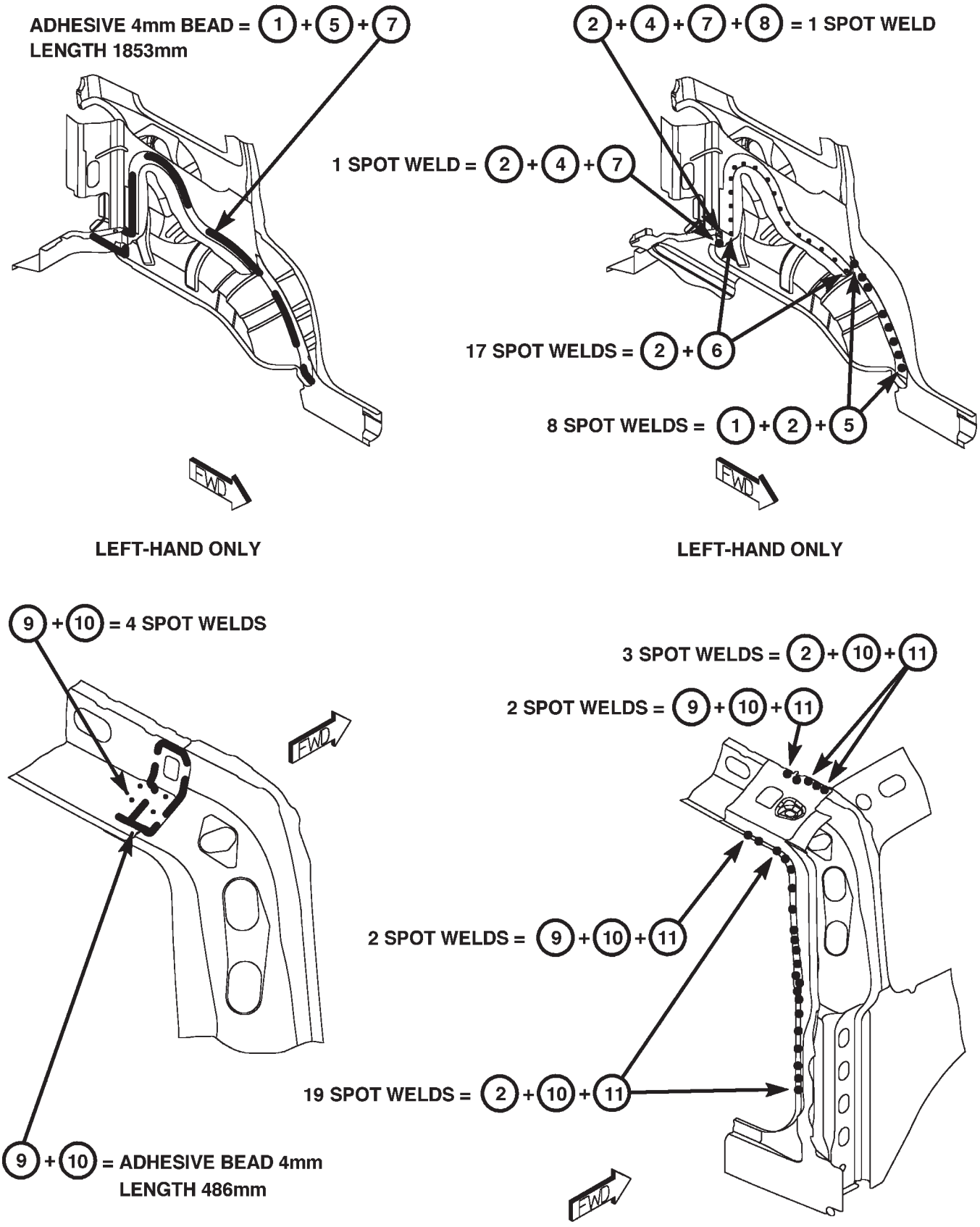


Fig. 74 BODY SIDE PANEL

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

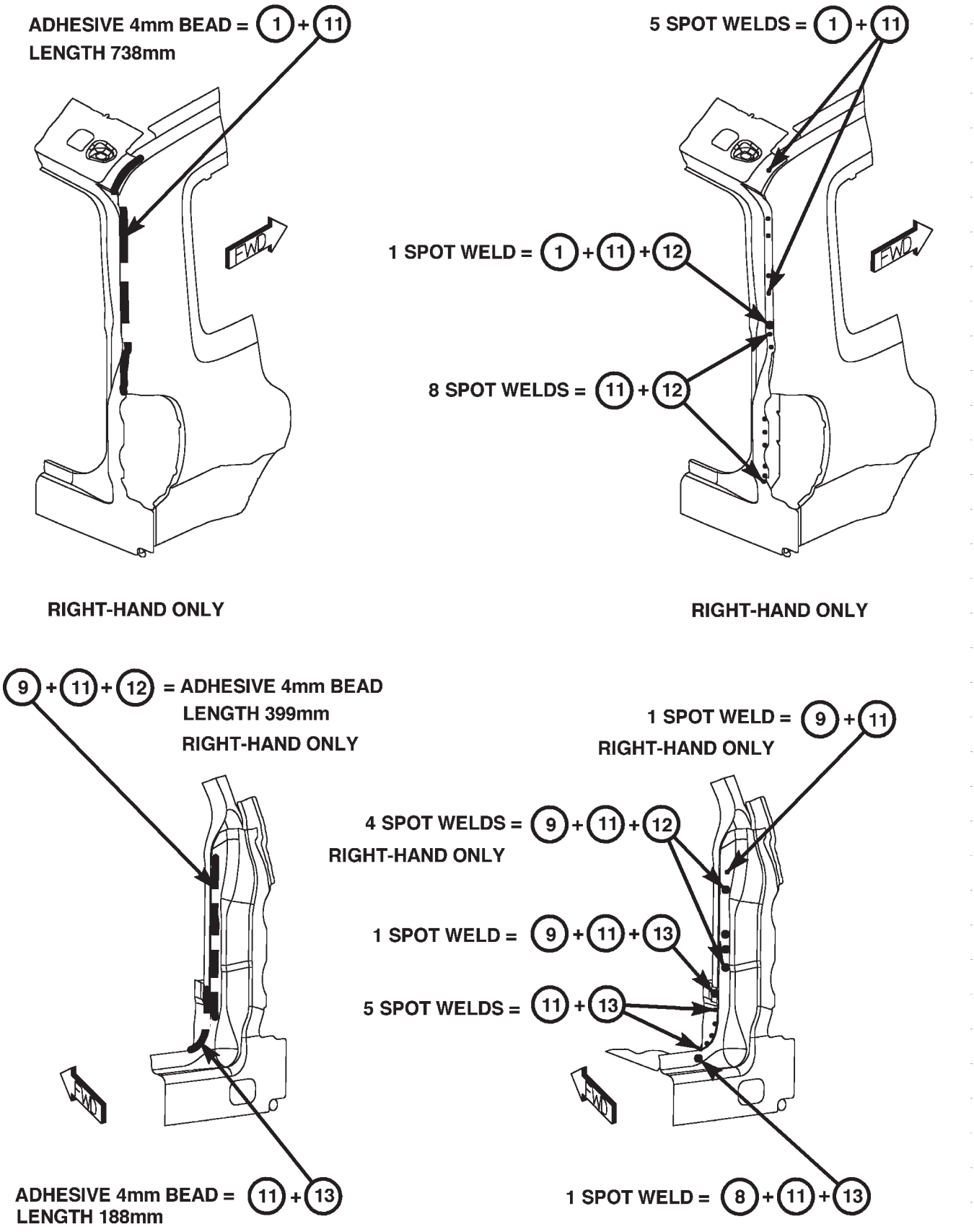


Fig. 75 D-PILLAR

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

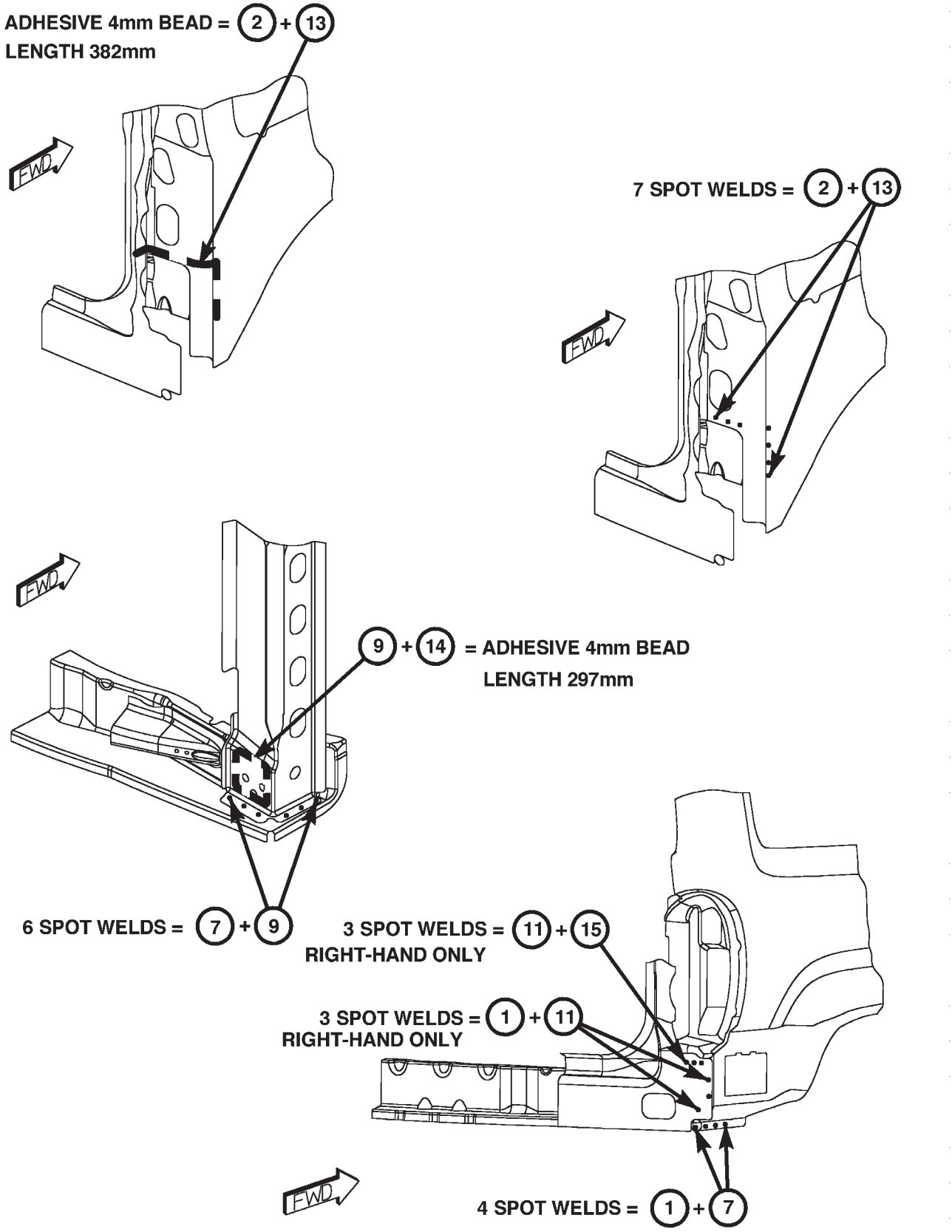


Fig. 76 D-PILLAR

WELD AND STRUCTURAL ADHESIVE LOCATIONS (Continued)

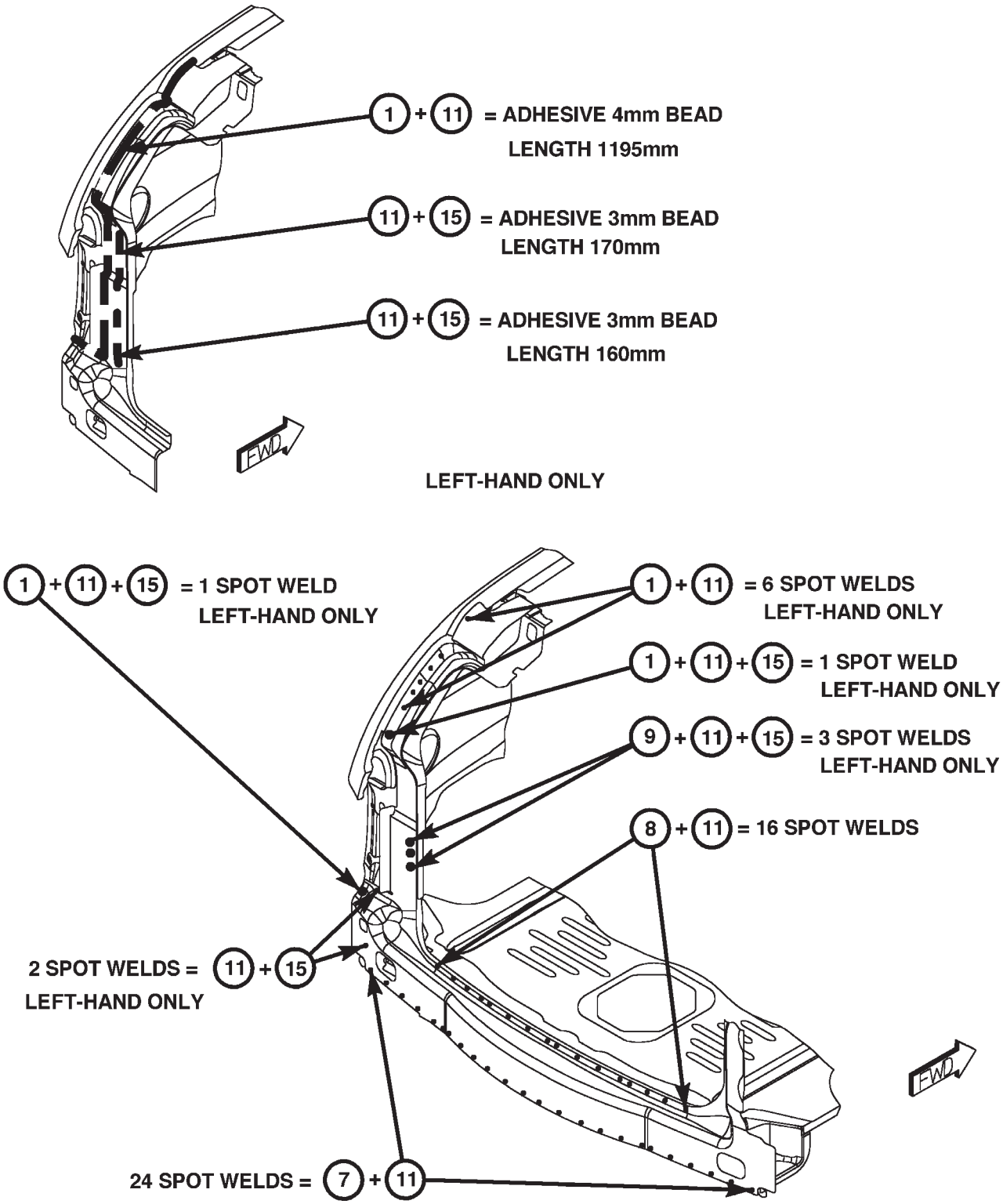


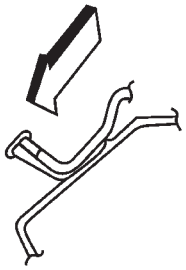
Fig. 77 SWING GATE OPENING

SEALER LOCATIONS

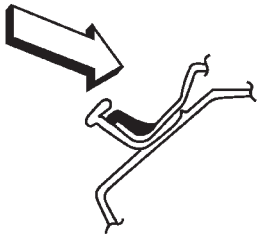
SPECIFICATIONS

INDEX

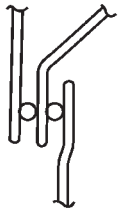
SEALER LOCATIONS (Continued)



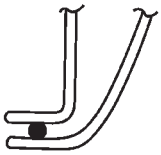
HOLD GUN NOZZLE IN DIRECTION OF ARROW IN ORDER TO EFFECTIVELY SEAL METAL JOINTS.



DO NOT HOLD GUN NOZZLE IN DIRECTION OF ARROW. SEALER APPLIED AS SHOWN IN INEFFECTIVE.

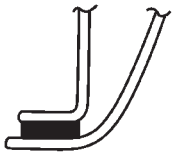


3 METAL THICKNESS

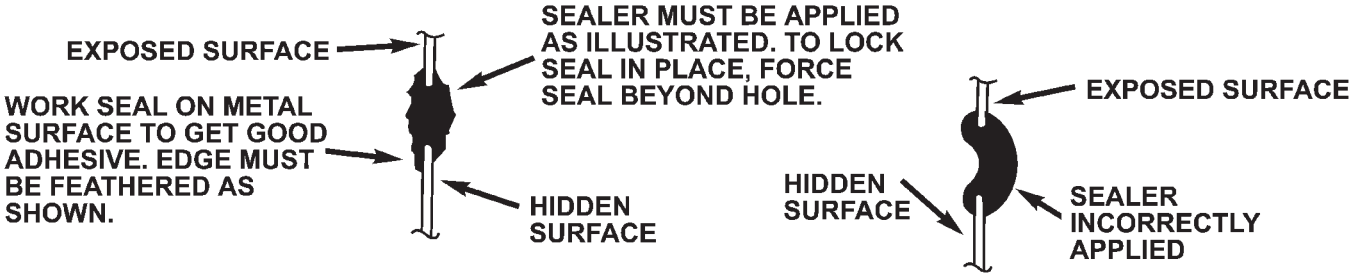


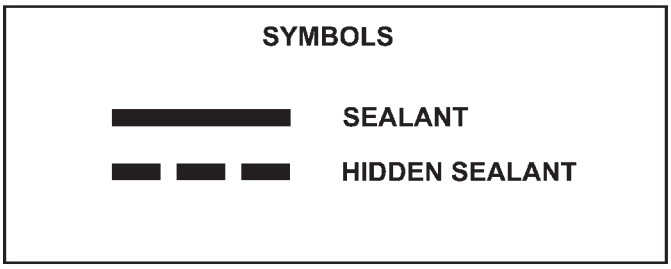
2 METAL THICKNESS

3 METAL THICKNESS



2 METAL THICKNESS





80cb512e

Fig. 78 APPLICATION METHODS

SEALER LOCATIONS (Continued)

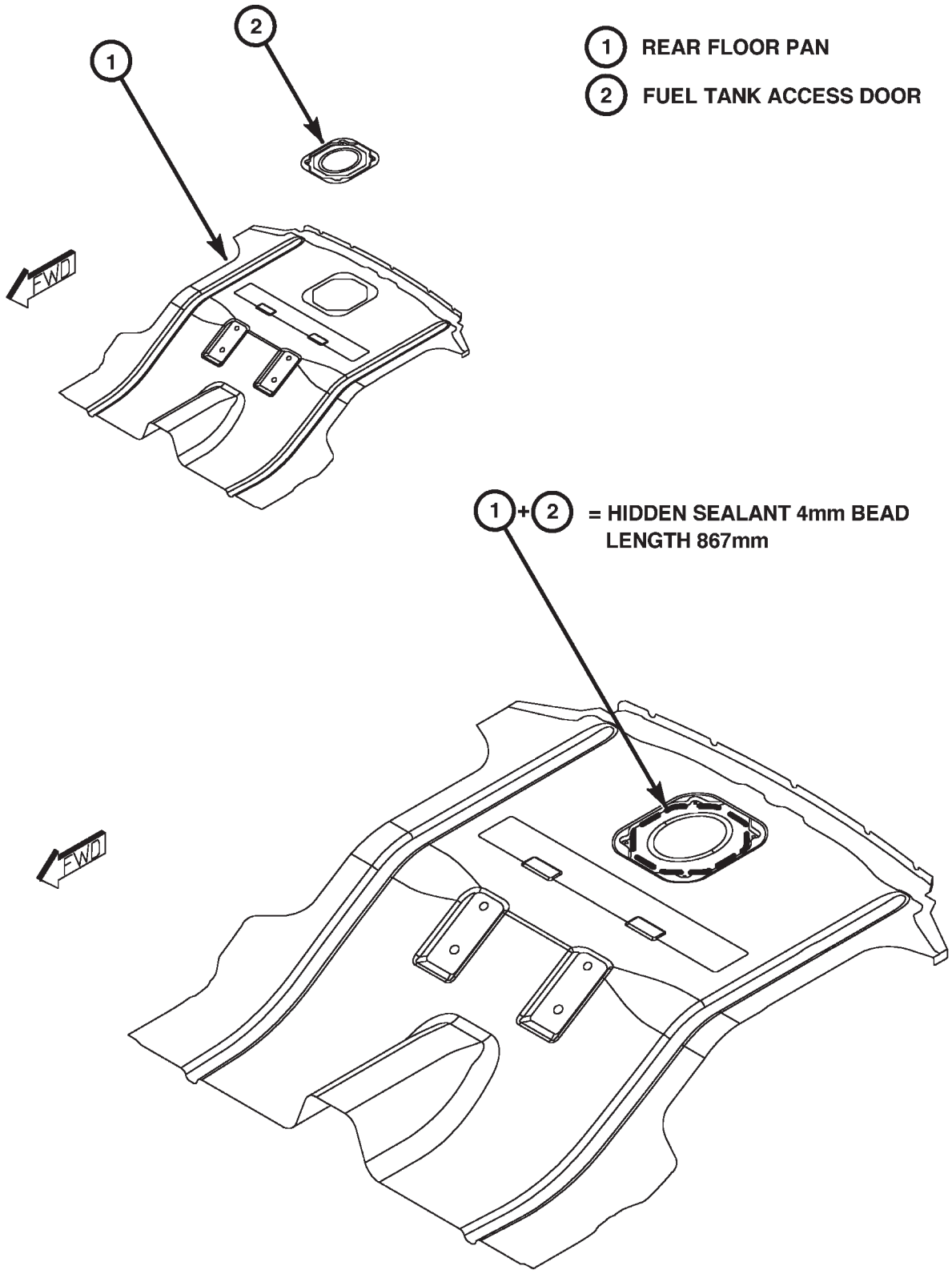


Fig. 79 REAR FLOOR PAN

SEALER LOCATIONS (Continued)

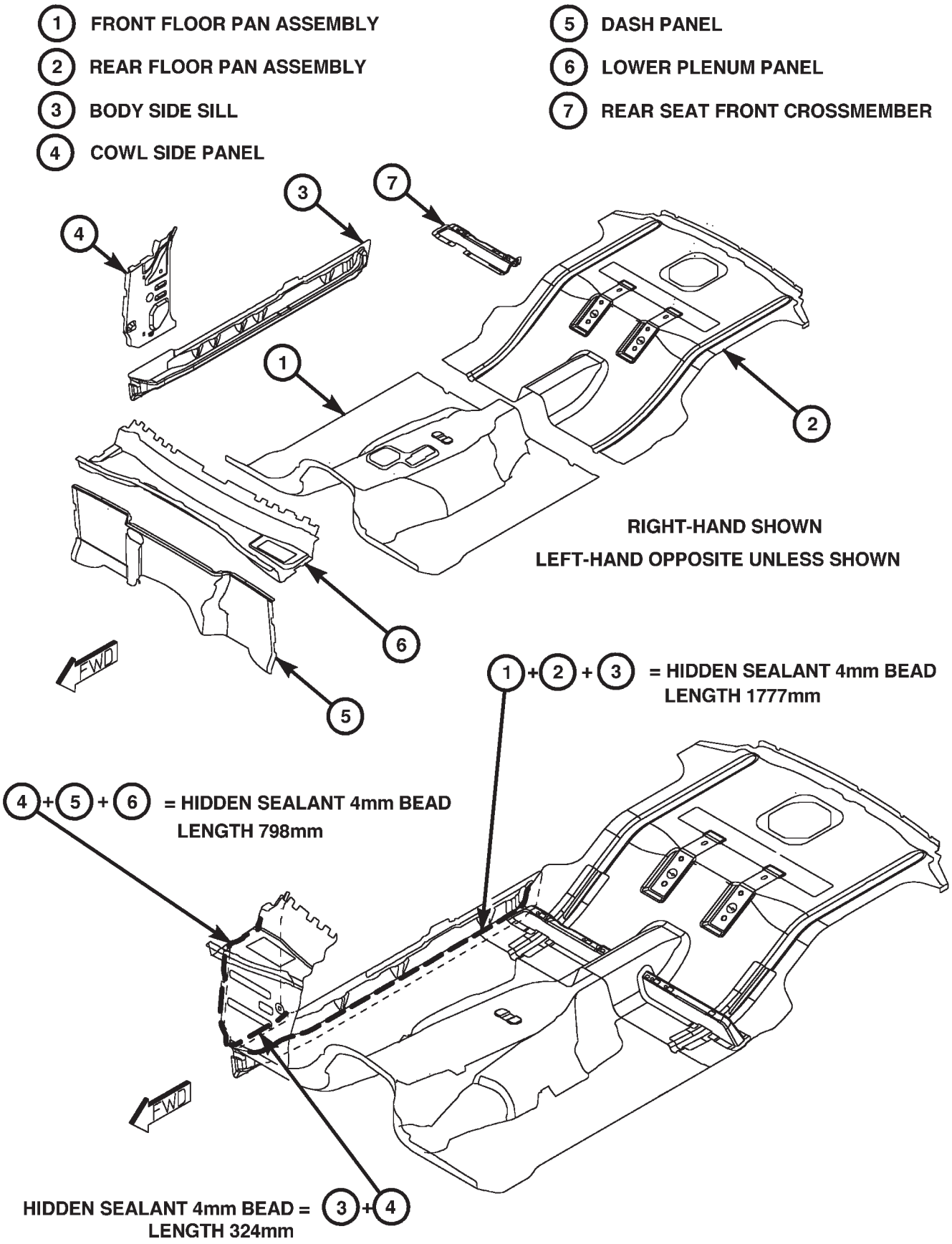


Fig. 80 FULL FLOOR PAN

SEALER LOCATIONS (Continued)

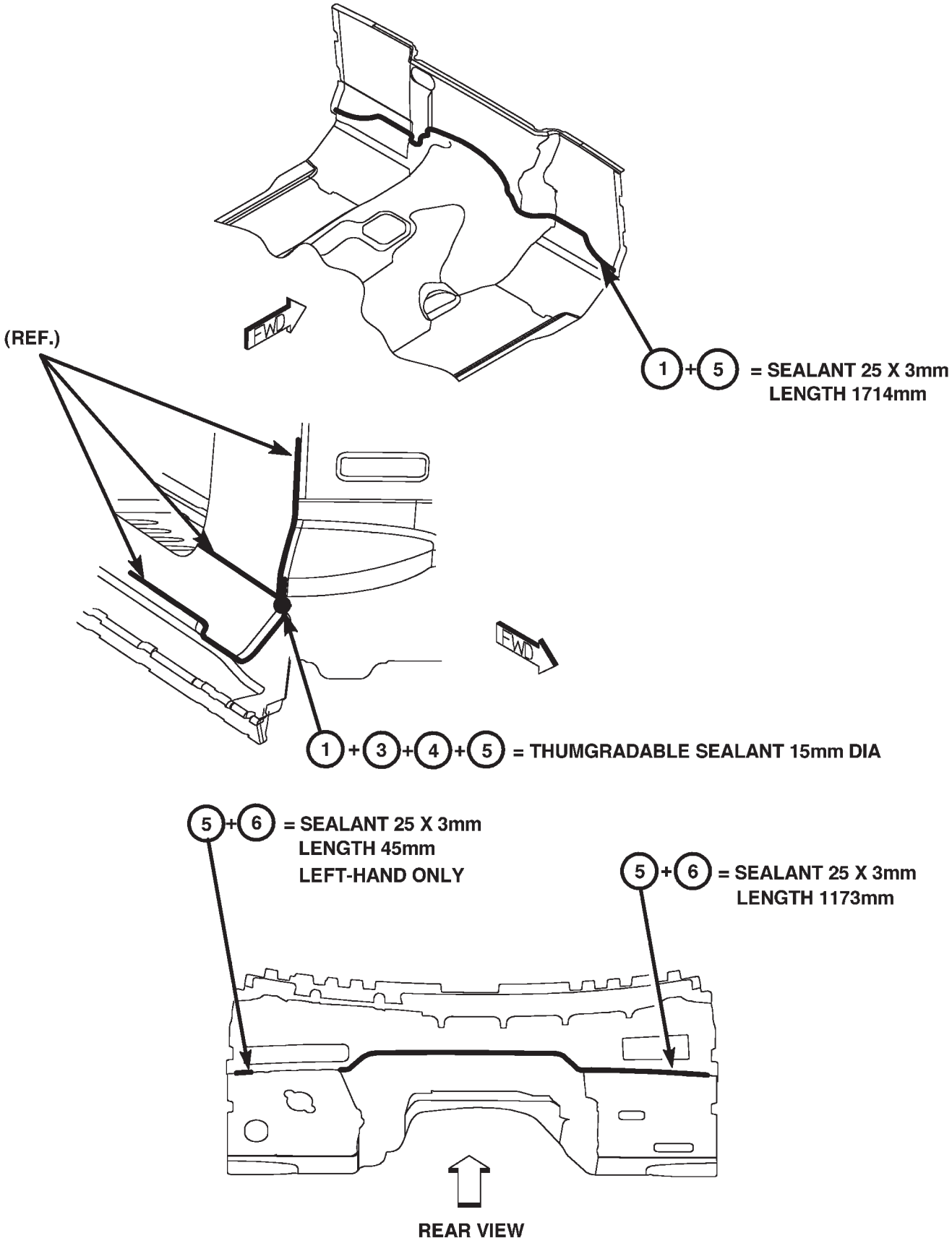


Fig. 81 FRONT FLOOR PAN & DASH PANEL

SEALER LOCATIONS (Continued)

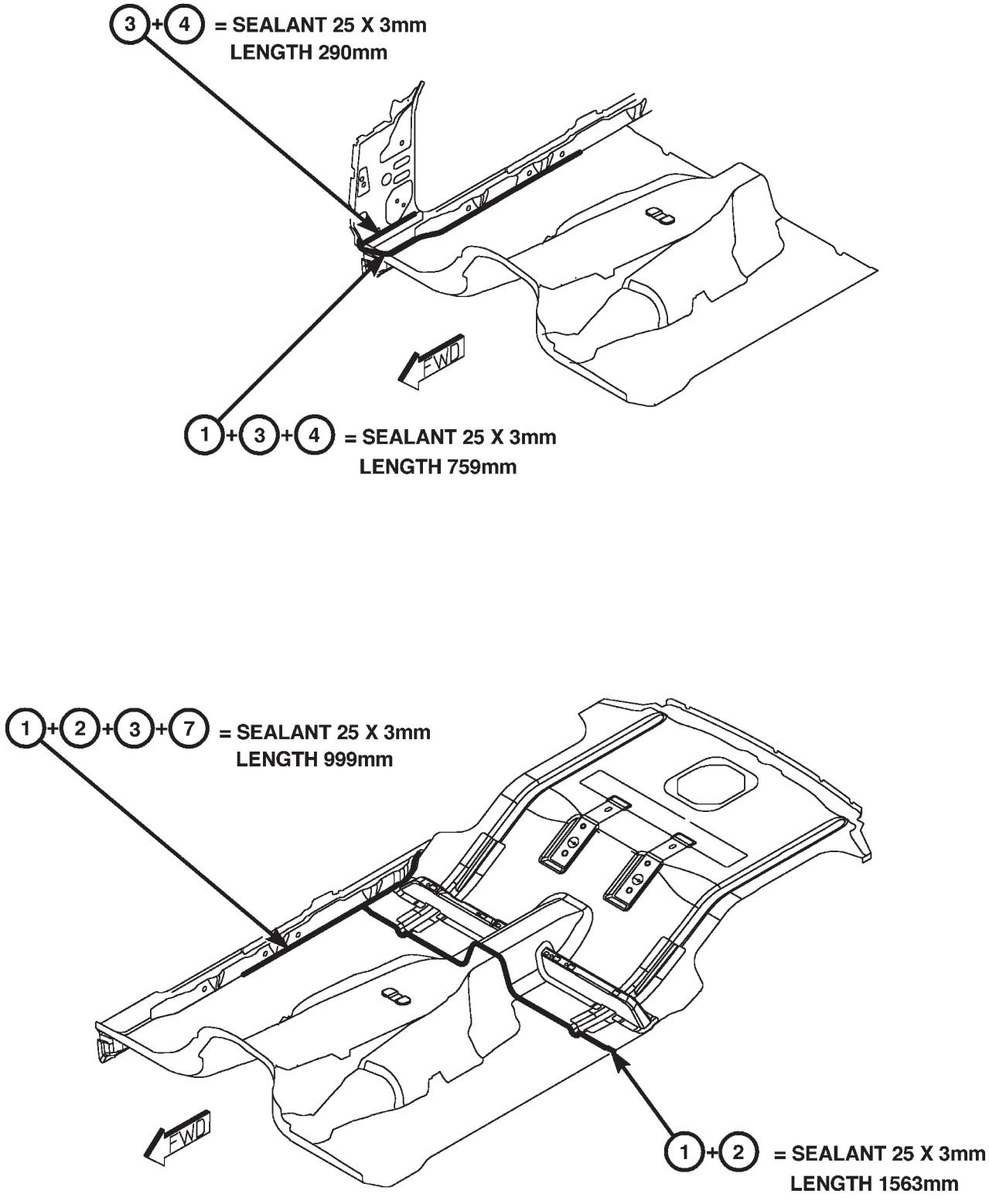


Fig. 82 FLOOR PAN

SEALER LOCATIONS (Continued)

1. PLENUM BAFFLE PANEL
2. LOWER PLENUM PANEL
3. PLENUM PANEL
4. DASH PANEL
5. BODY SIDE INNER PANEL
6. A-PILLAR REINFORCEMENT
7. BODY SIDE OUTER PANEL
8. COWL SIDE PANEL

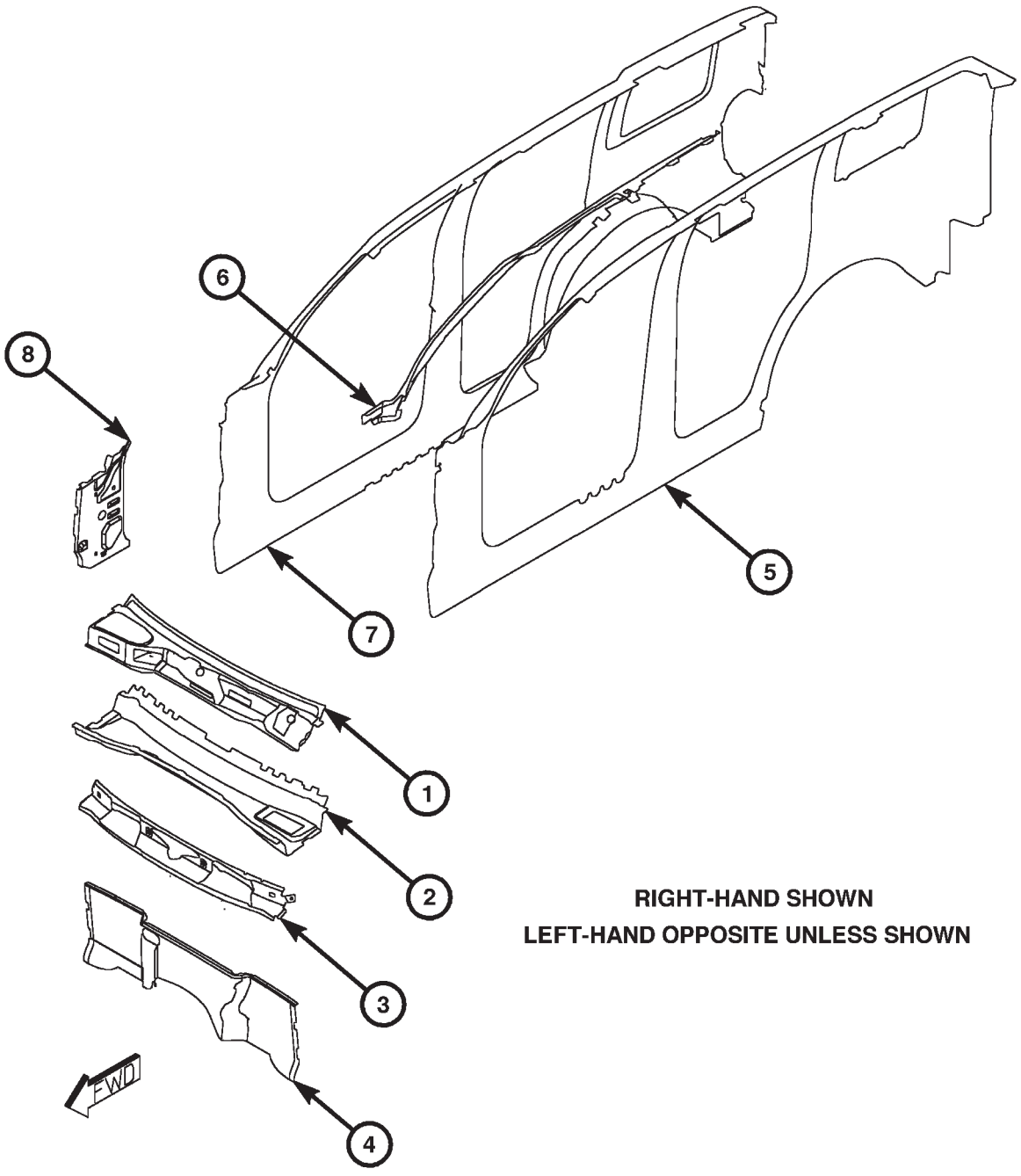


Fig. 83 BODY SIDE PANEL ASSEMBLY

SEALER LOCATIONS (Continued)

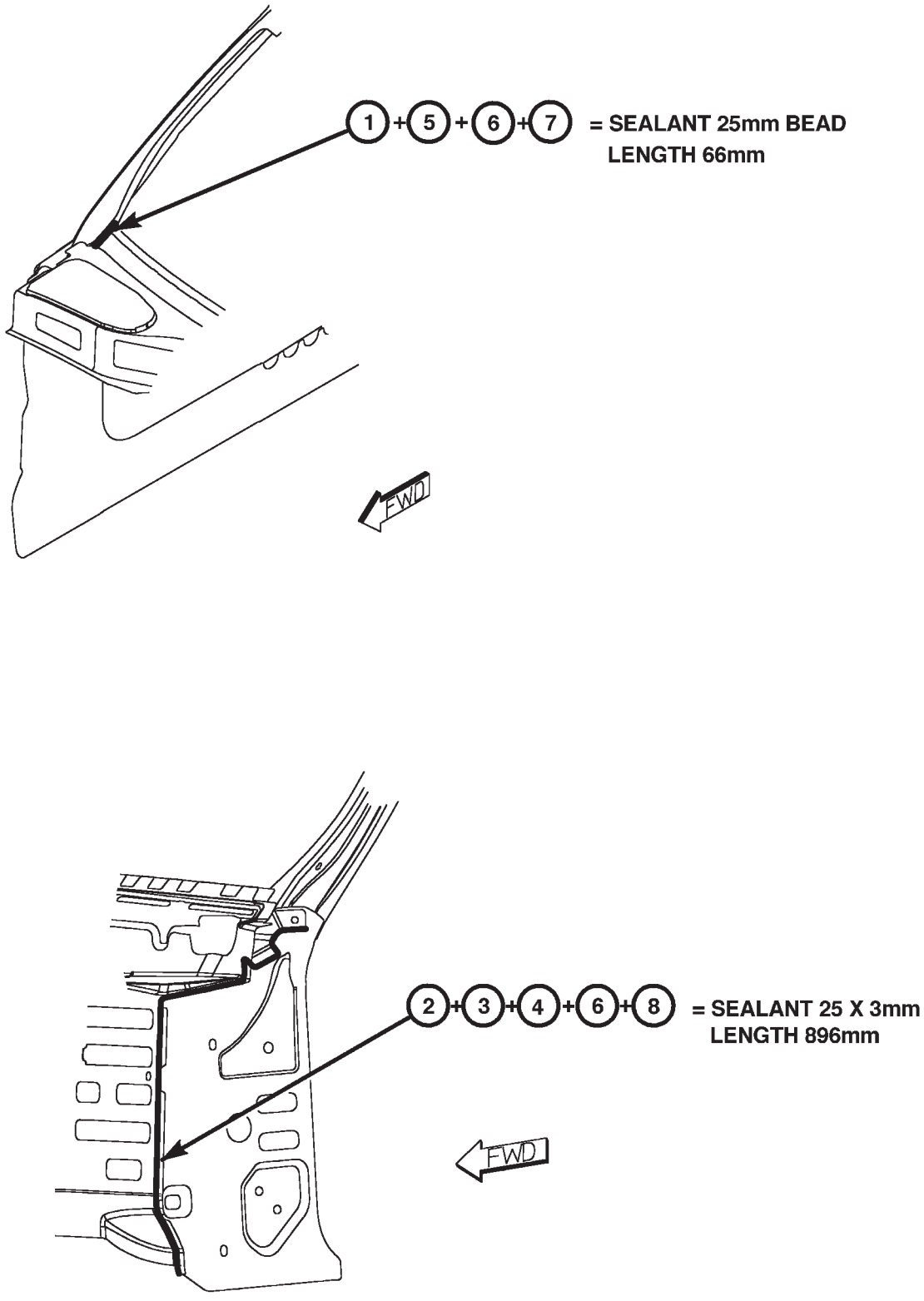


Fig. 84 A-PILLAR & DASH PANEL

SEALER LOCATIONS (Continued)

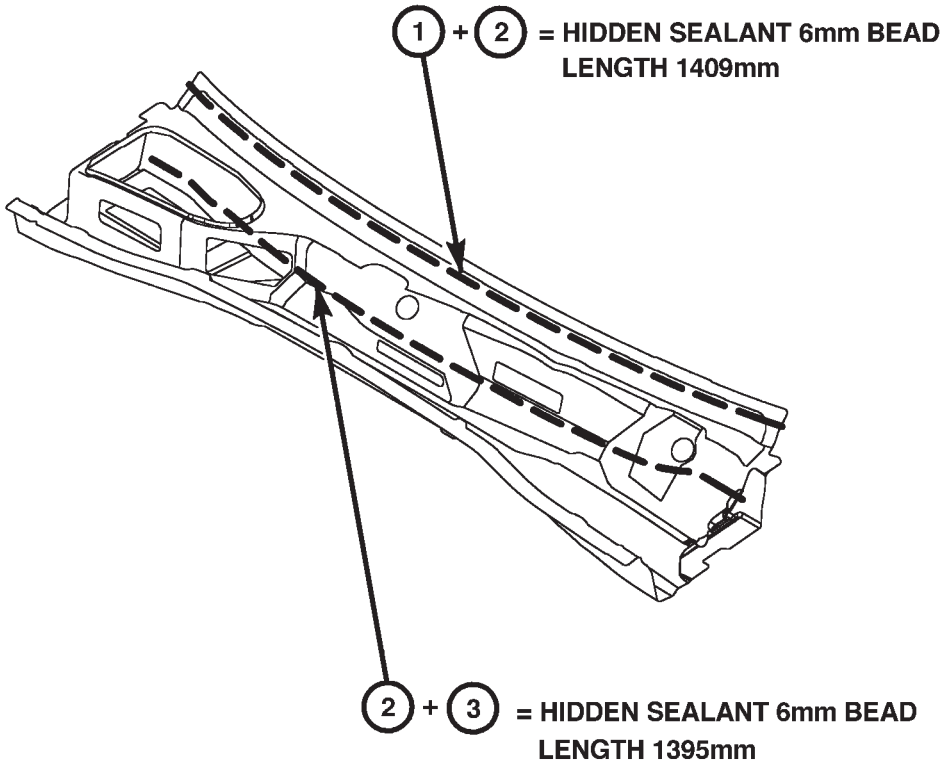


Fig. 85 PLENUM AND DASH PANEL

SEALER LOCATIONS (Continued)

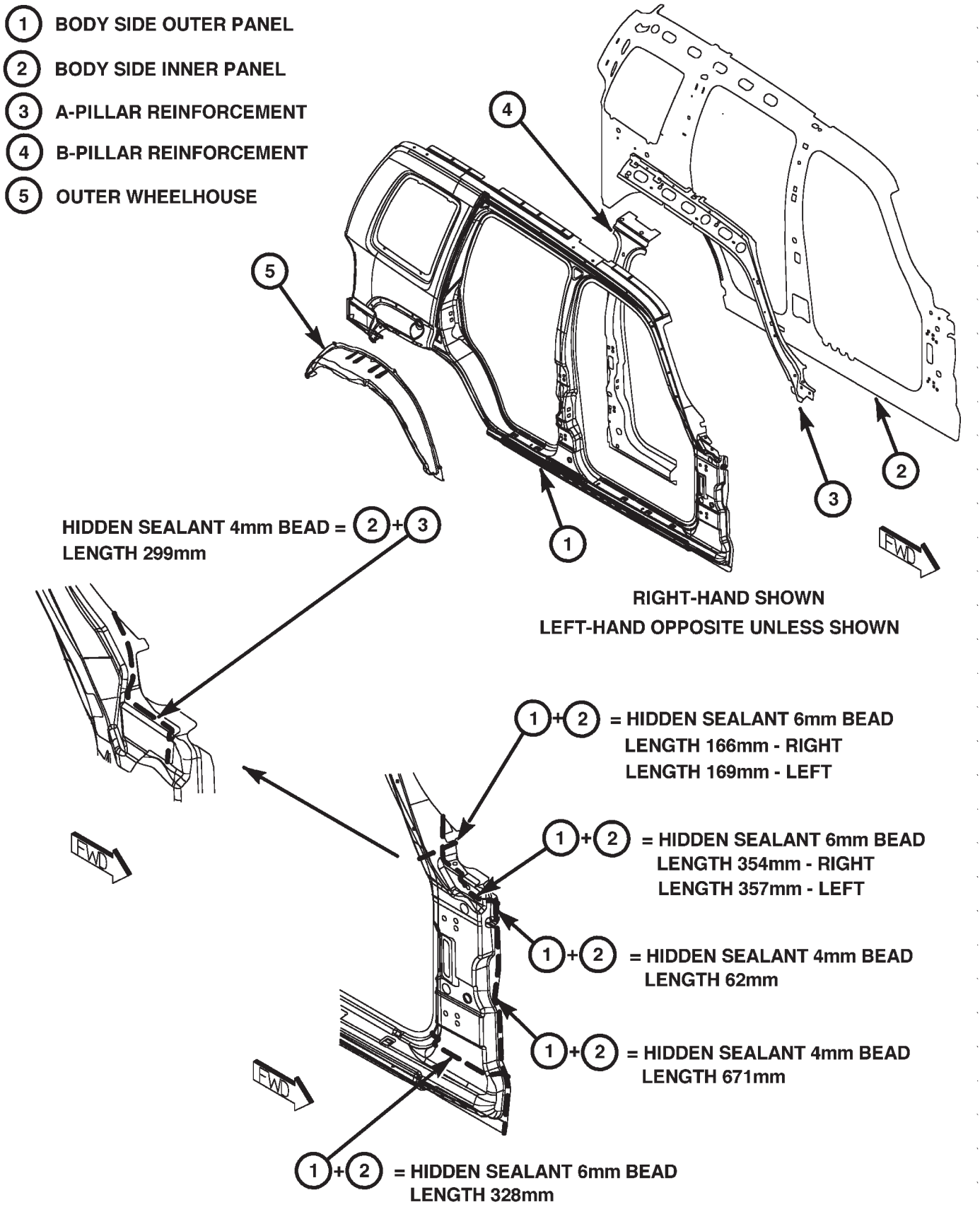


Fig. 86 BODY SIDE PANEL ASSEMBLIES

SEALER LOCATIONS (Continued)

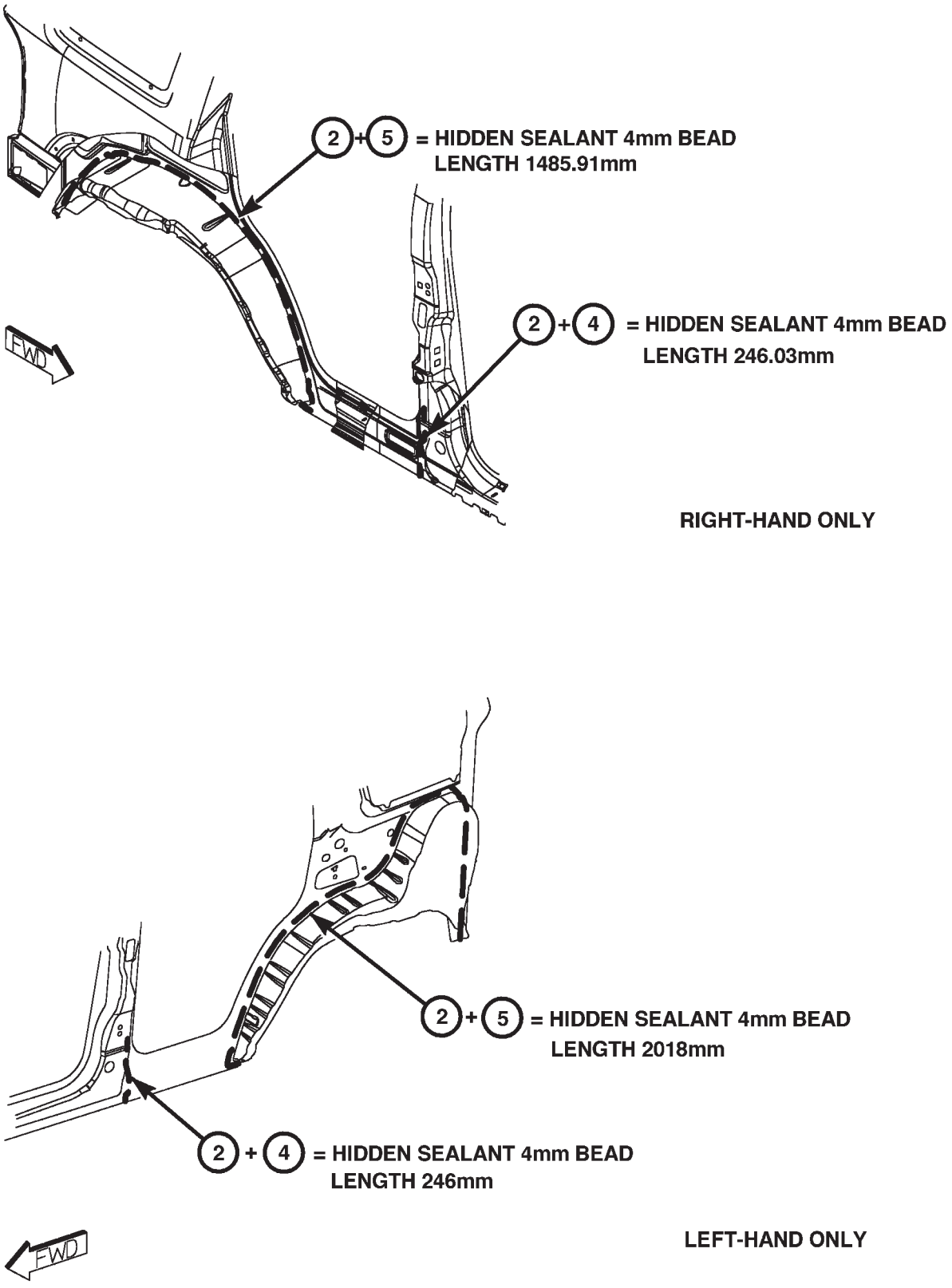


Fig. 87 WHEELHOUSES

SEALER LOCATIONS (Continued)

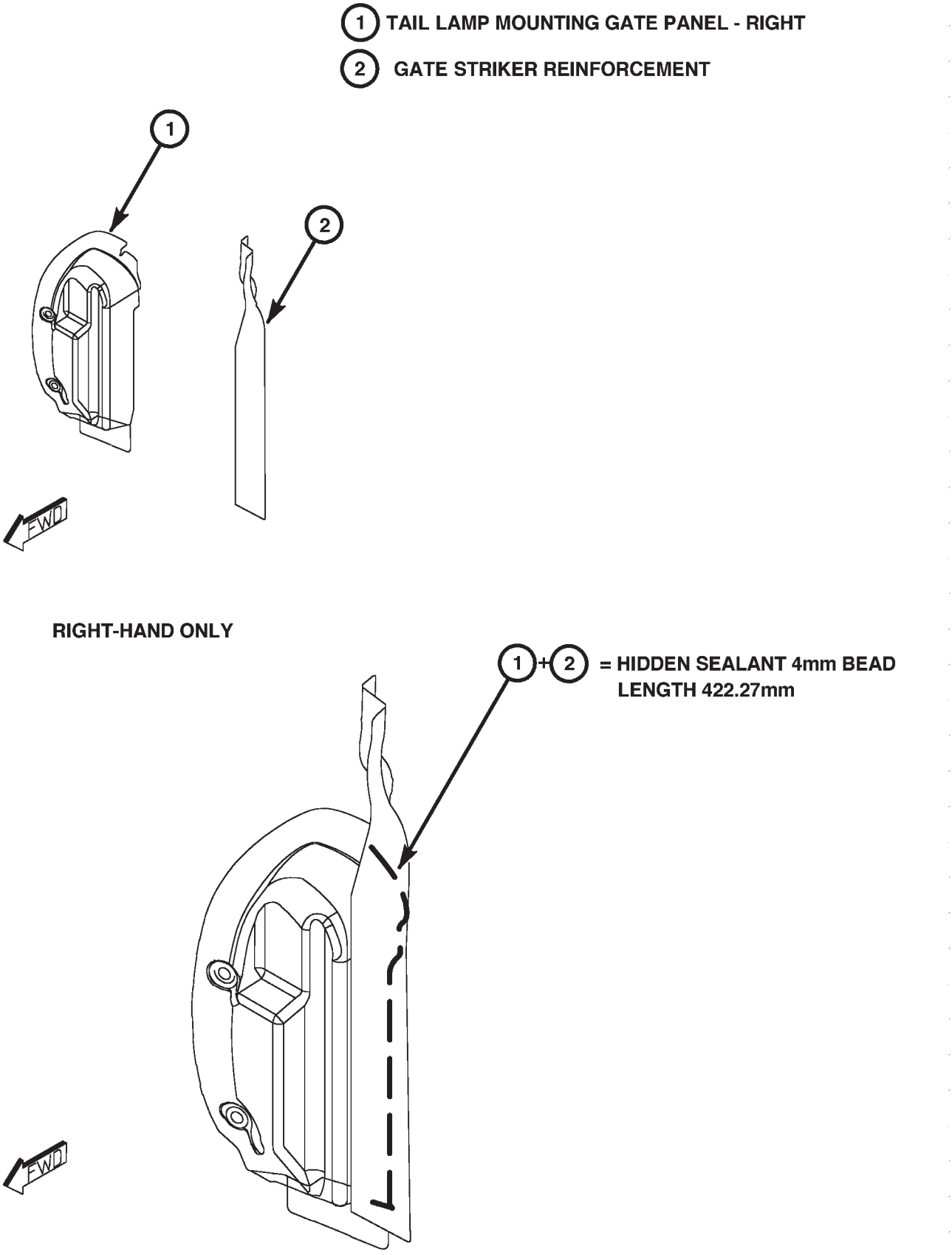


Fig. 88 TAIL LAMP MOUNTING

SEALER LOCATIONS (Continued)

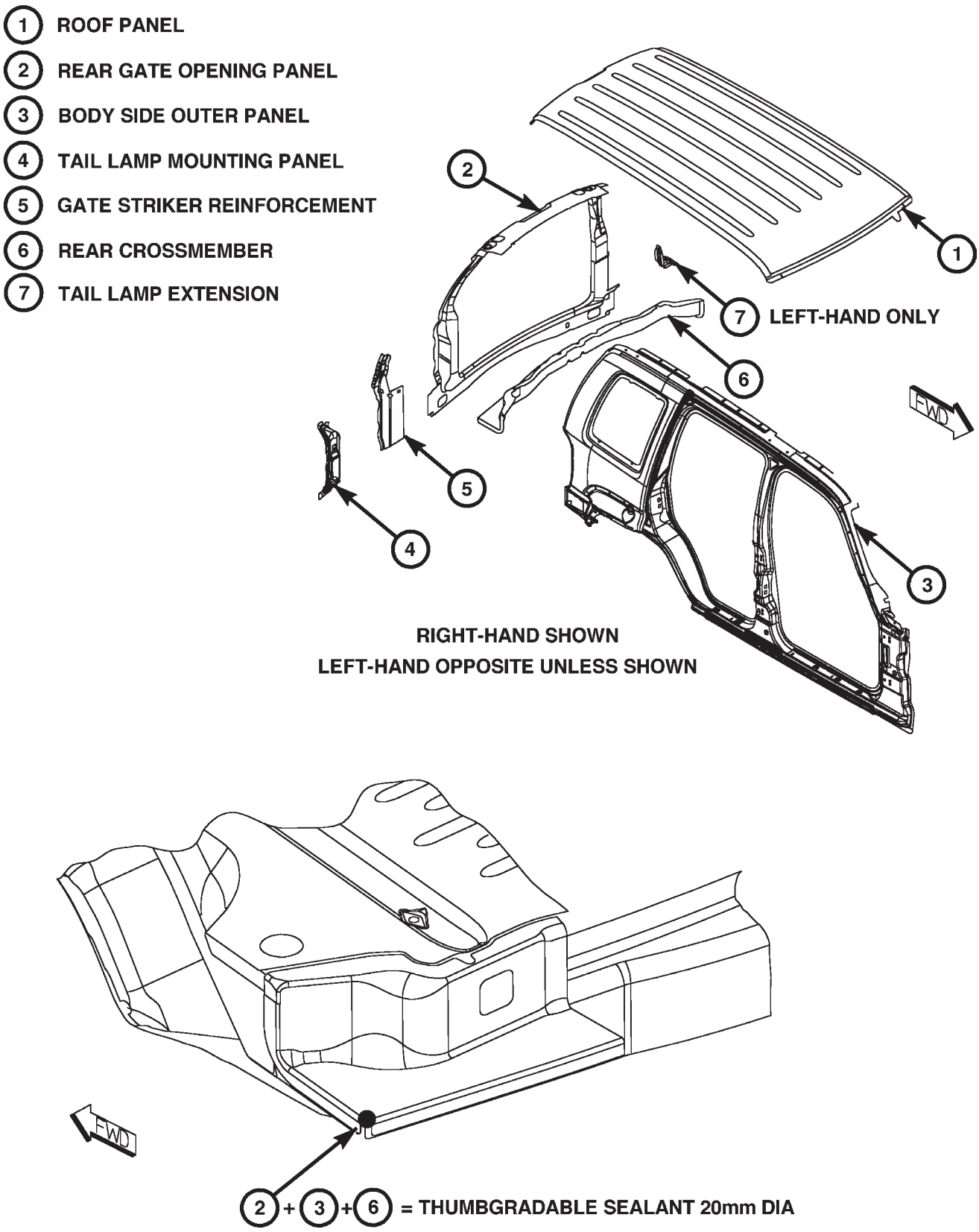


Fig. 89 ROOF PANEL & BODY SIDE SILL ASSEMBLY

SEALER LOCATIONS (Continued)

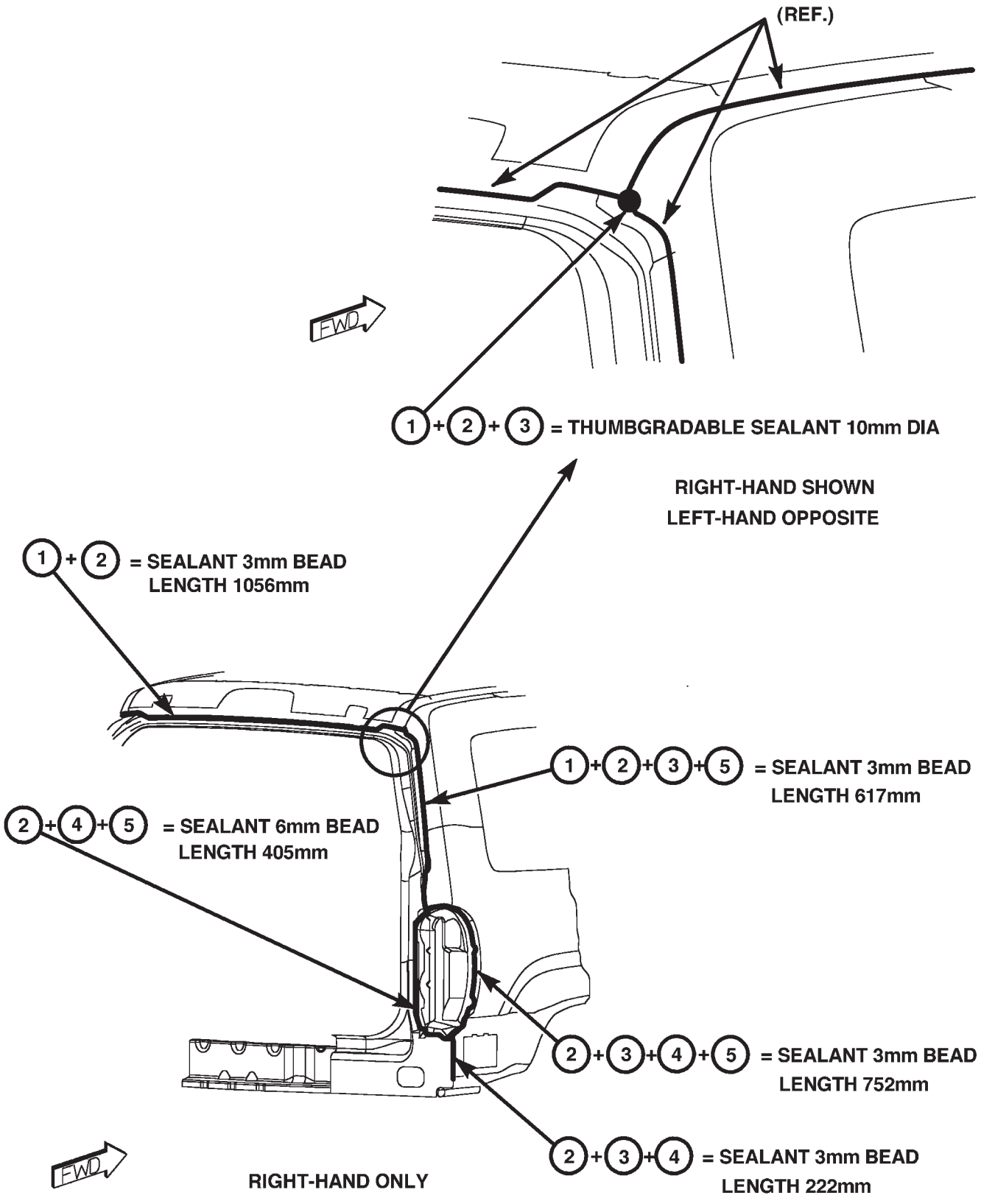


Fig. 90 SWING GATE OPENING

SEALER LOCATIONS (Continued)

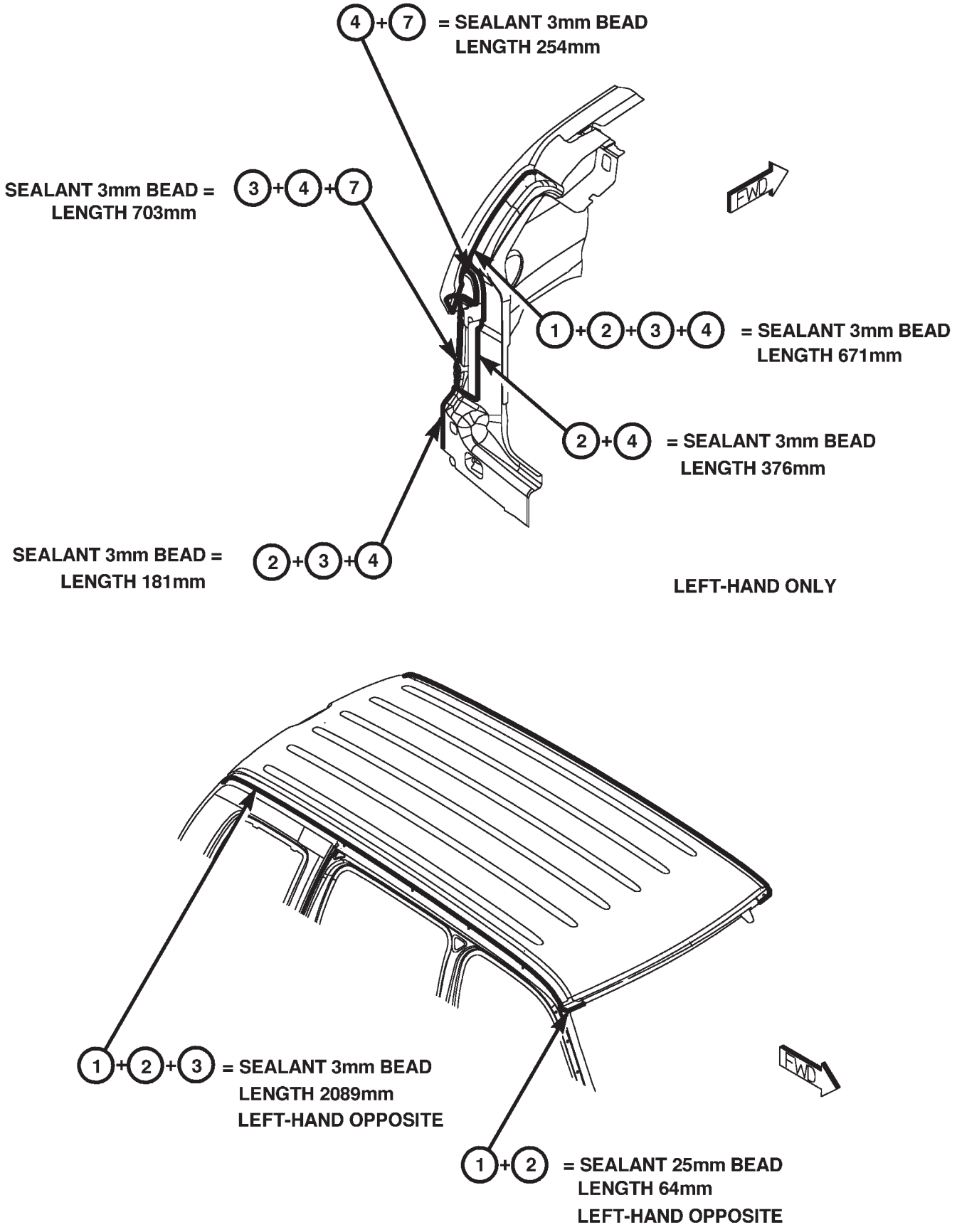


Fig. 91 ROOF PANEL; SWING GATE OPENING

SEALER LOCATIONS (Continued)

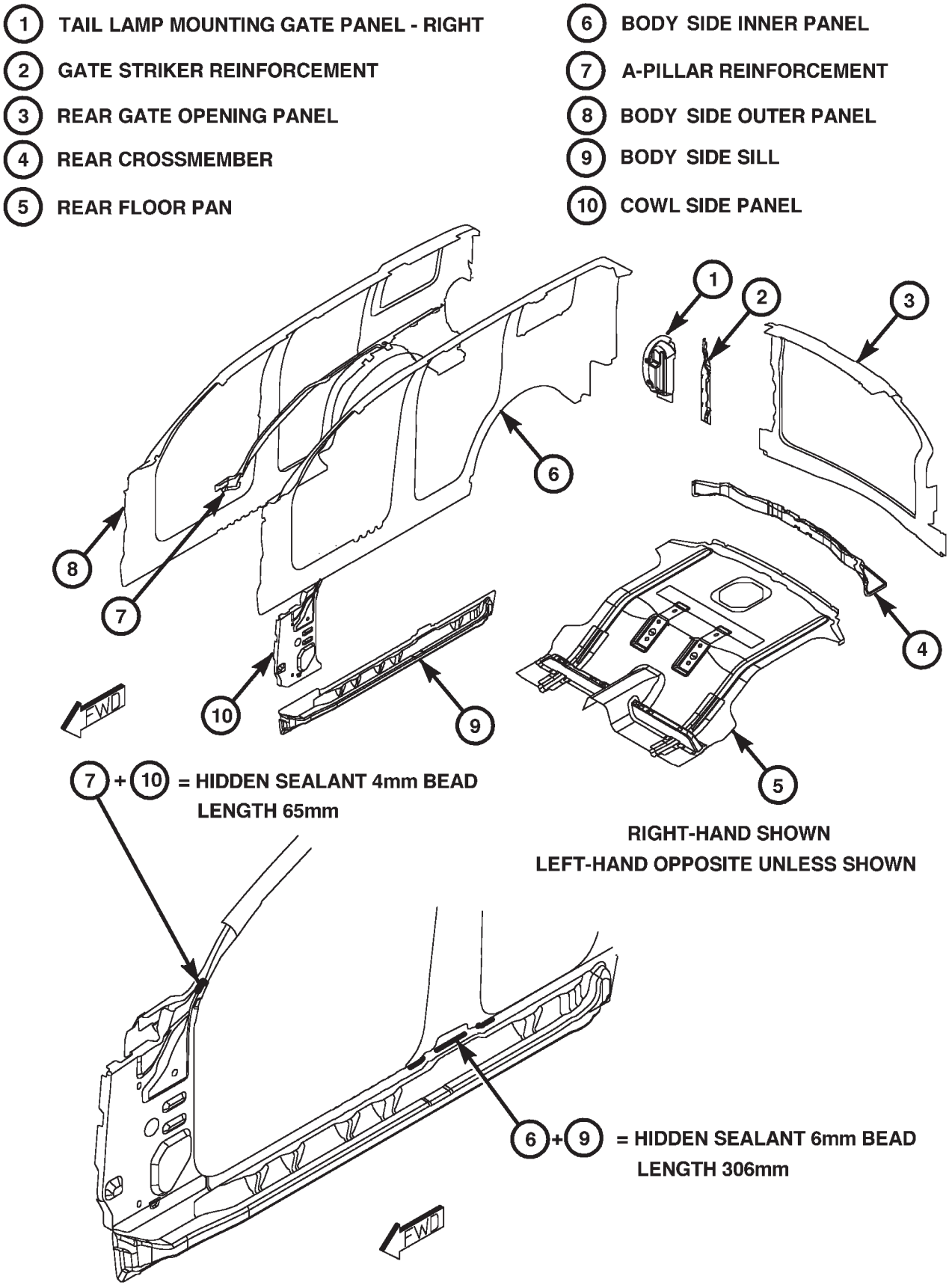


Fig. 92 BODY SIDE PANEL ASSEMBLY

SEALER LOCATIONS (Continued)

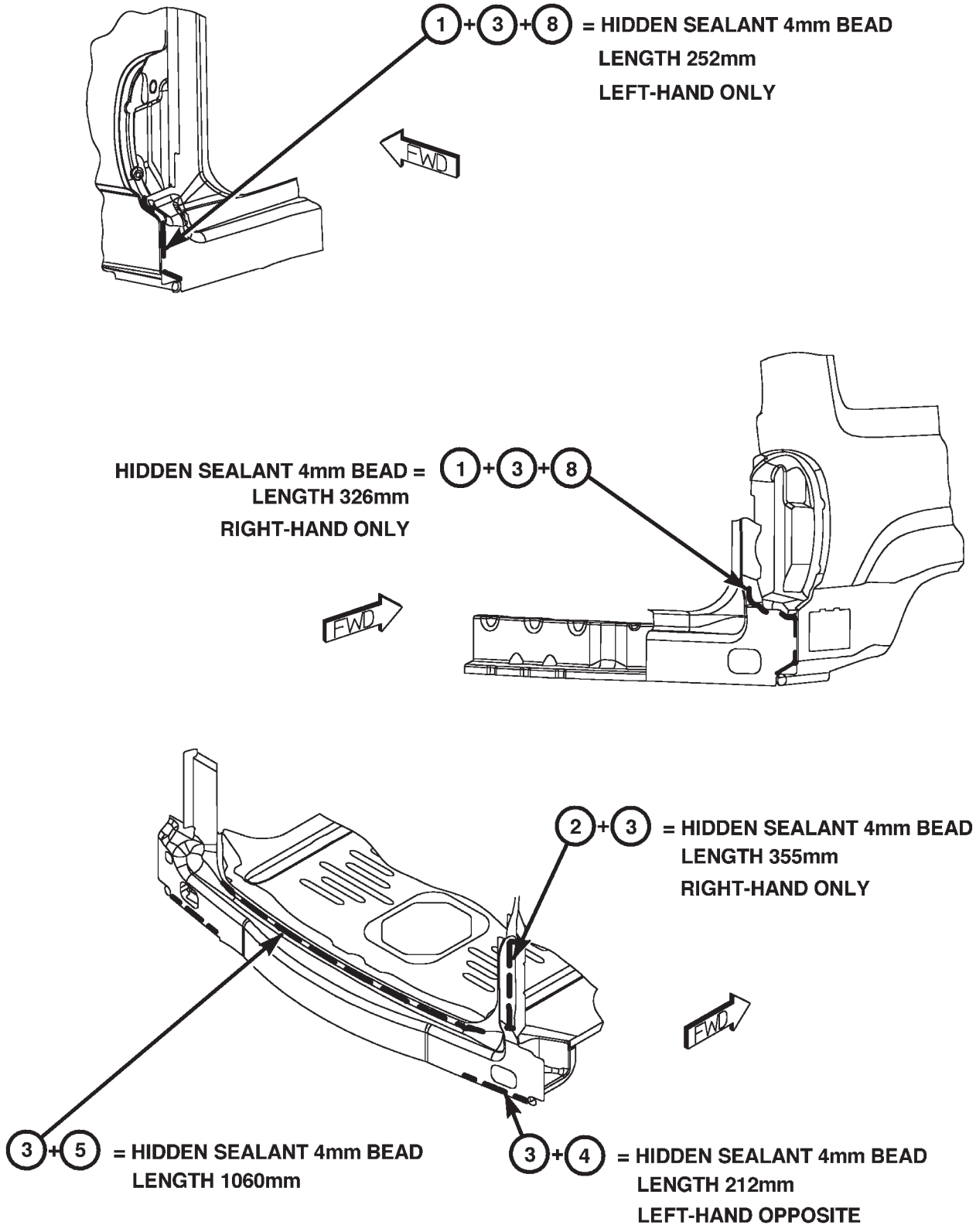


Fig. 93 SWING GATE OPENING

SEALER LOCATIONS (Continued)

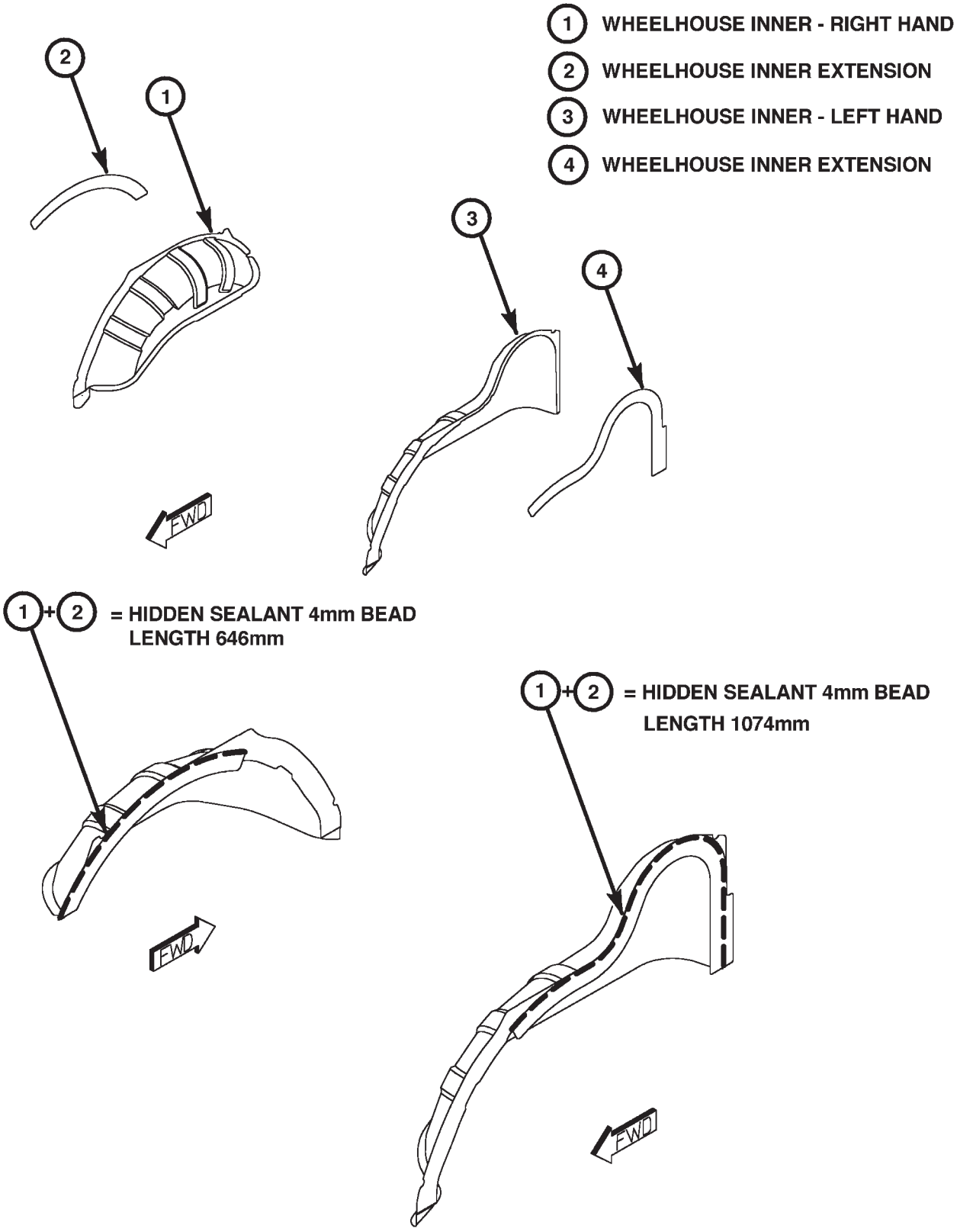


Fig. 94 WHEELHOUSES

SEALER LOCATIONS (Continued)

1. BODY SIDE OUTER PANEL
2. REAR OUTER WHEELHOUSE
3. WHEELHOUSE INNER EXTENSION
4. BODY SIDE INNER PANEL
5. REAR INNER WHEELHOUSE
6. BODY SIDE SILL
7. REAR FLOOR PAN
8. D-PILLAR LOWER TO FLOOR GUSSET
9. REAR CROSSMEMBER
10. REAR GATE OPENING PANEL

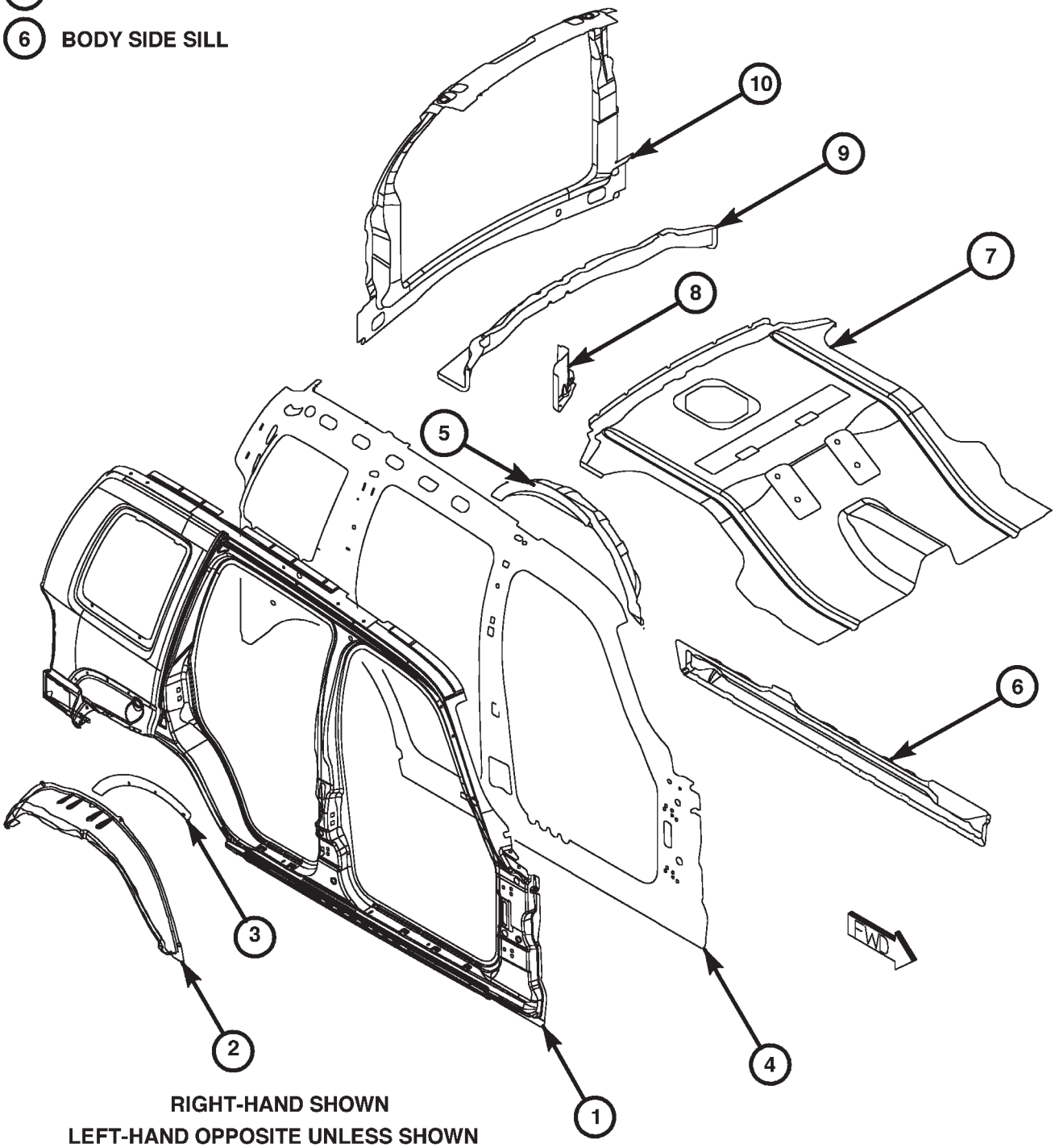


Fig. 95 BODY SIDE PANEL ASSEMBLY

SEALER LOCATIONS (Continued)

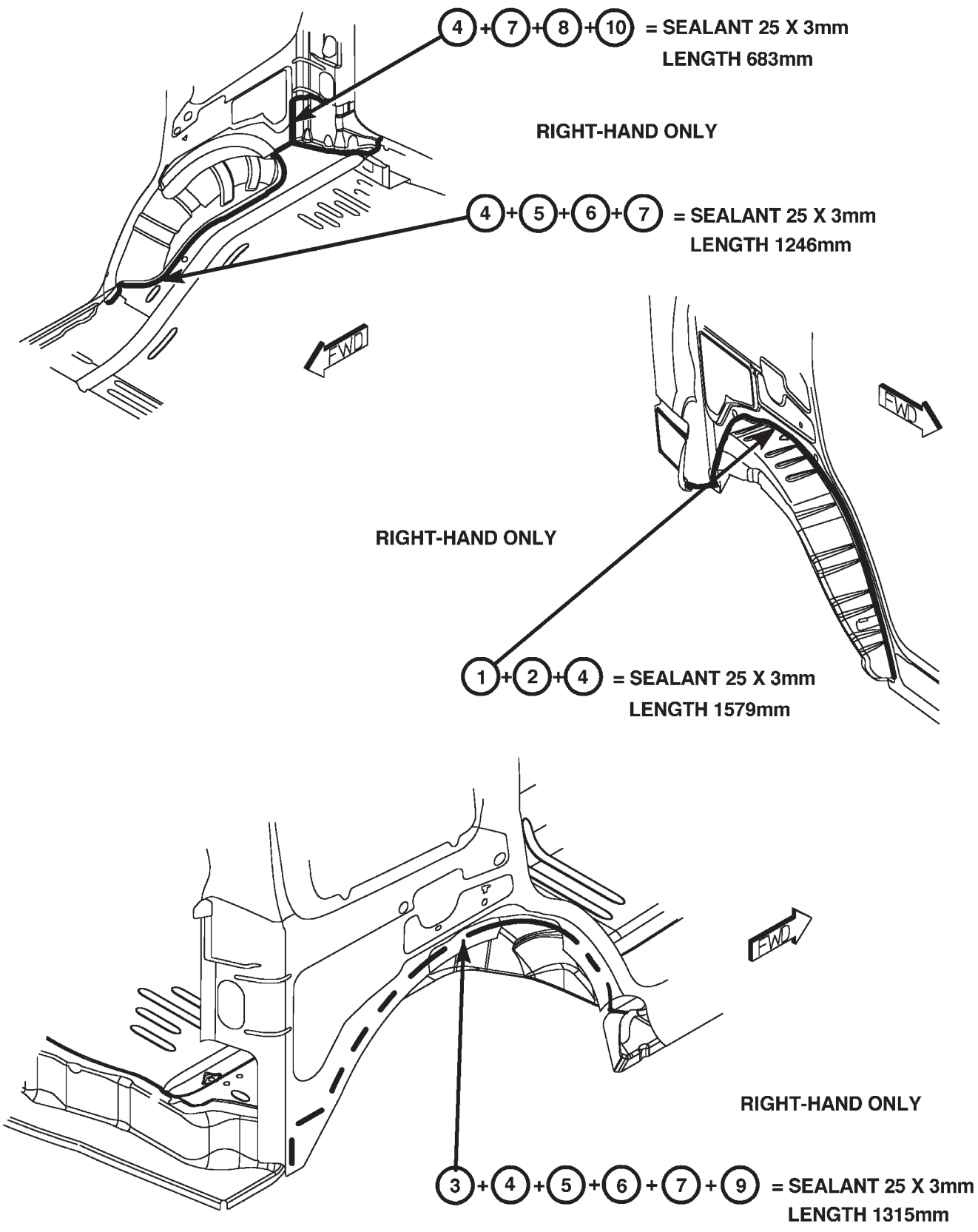


Fig. 96 WHEELHOUSES

SEALER LOCATIONS (Continued)

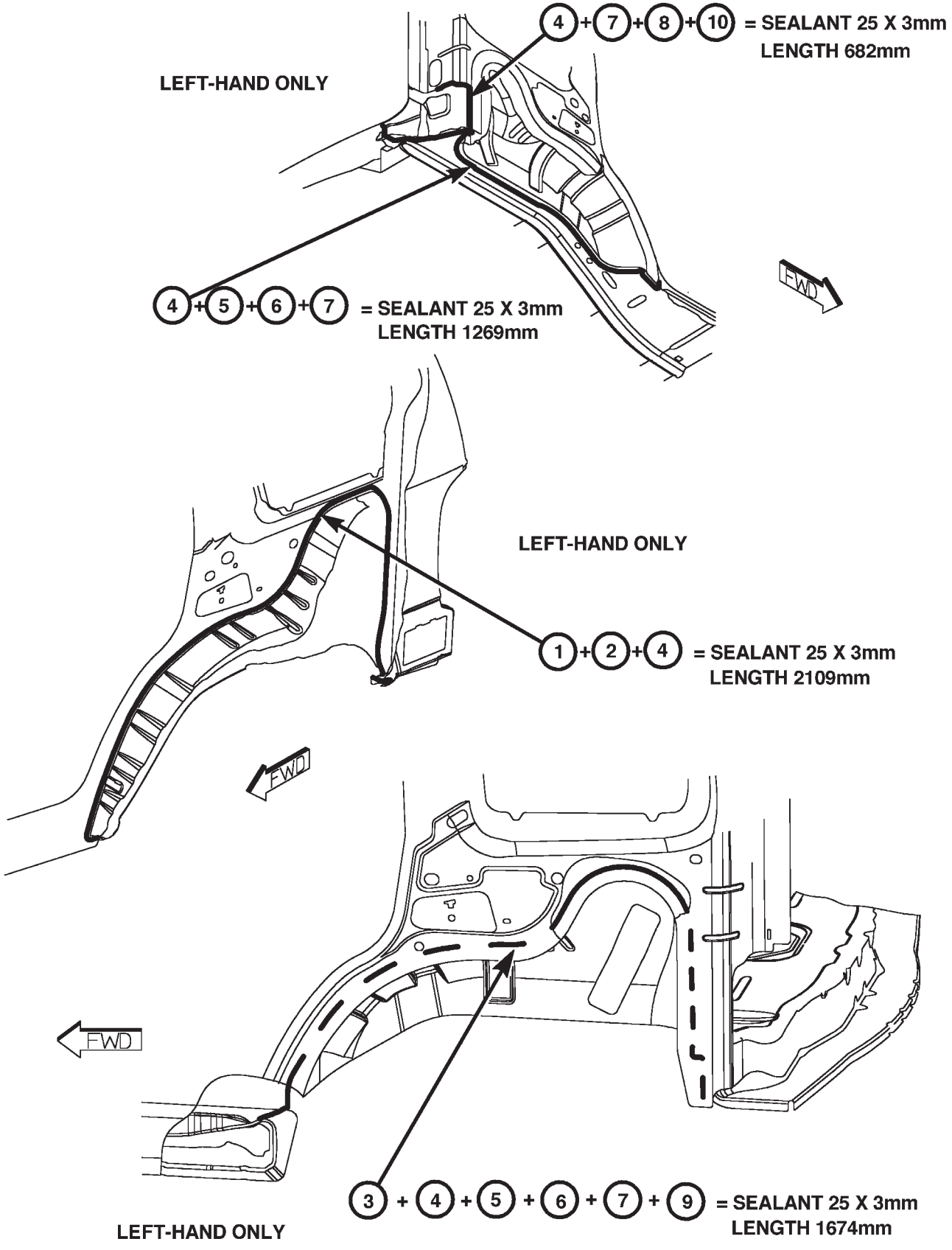


Fig. 97 WHEELHOUSES

SEALER LOCATIONS (Continued)

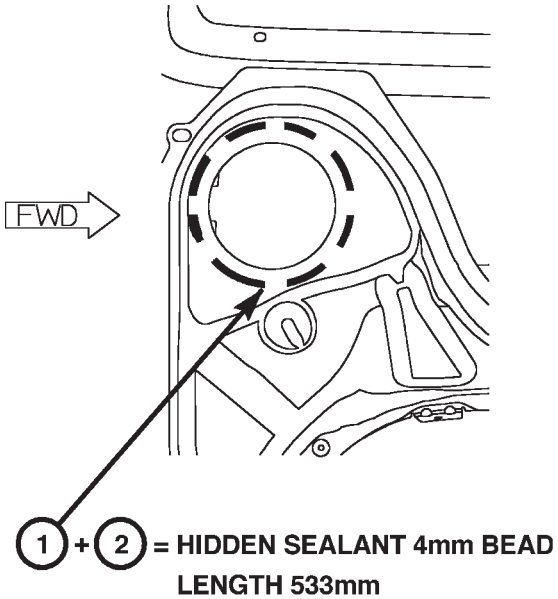
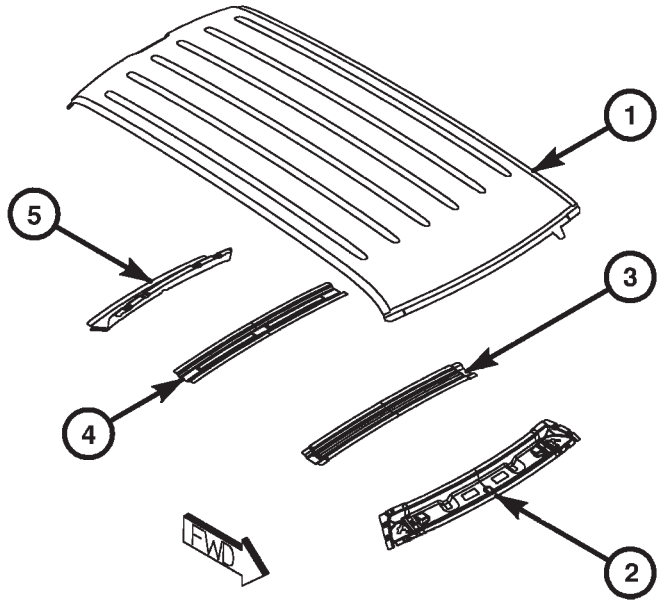


Fig. 98 WHEELHOUSE

SEALER LOCATIONS (Continued)

1. ROOF PANEL
2. ROOF HEADER - FRONT
3. ROOF BOW - FRONT
4. ROOF BOW - REAR
5. ROOF HEADER - REAR



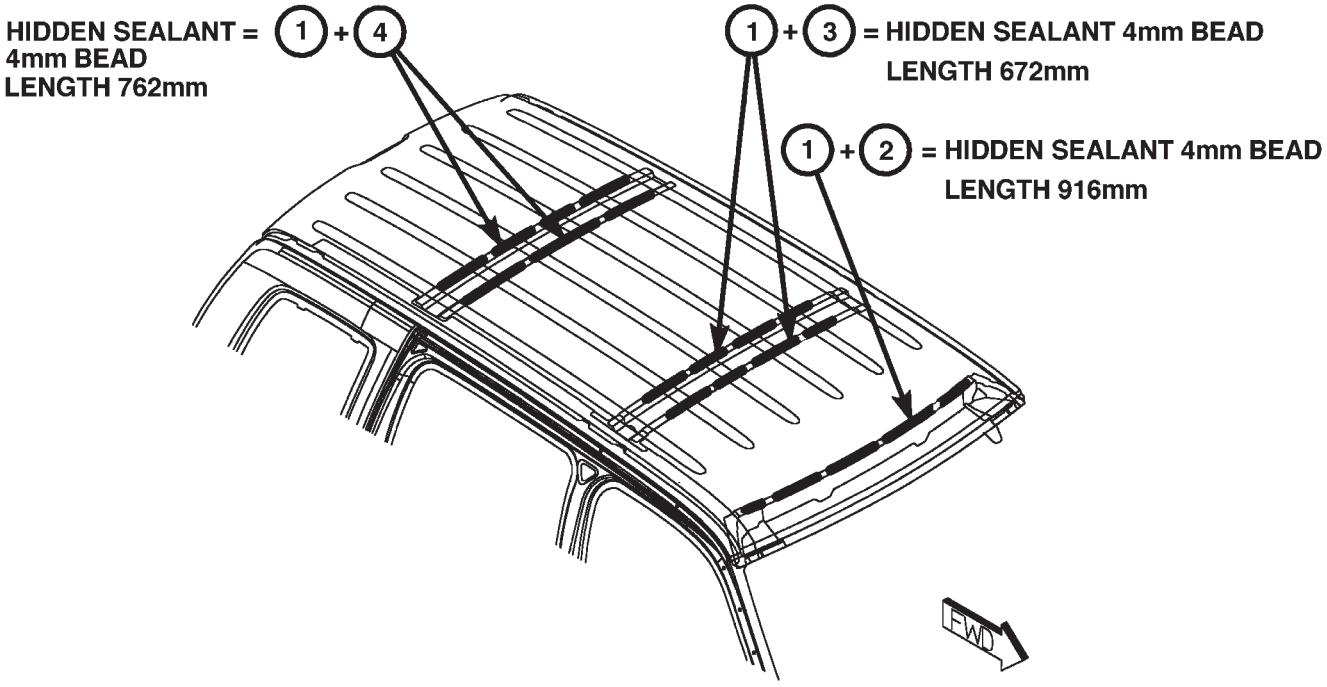


Fig. 99 ROOF PANEL ASSEMBLY

SEALER LOCATIONS (Continued)

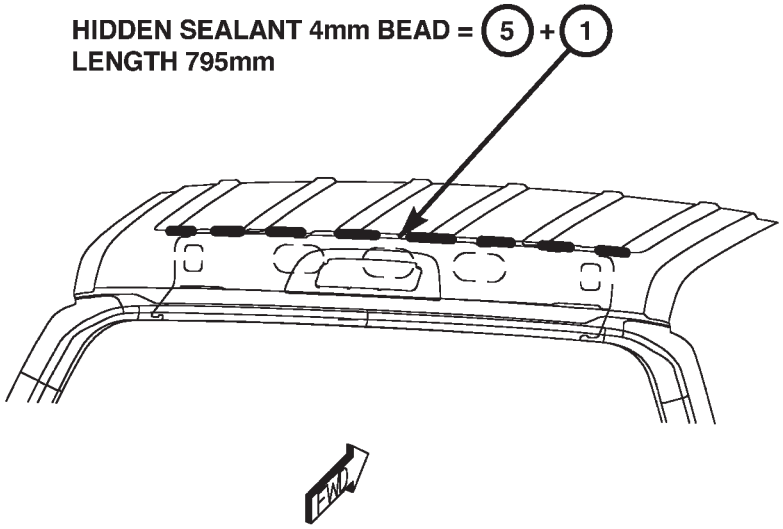


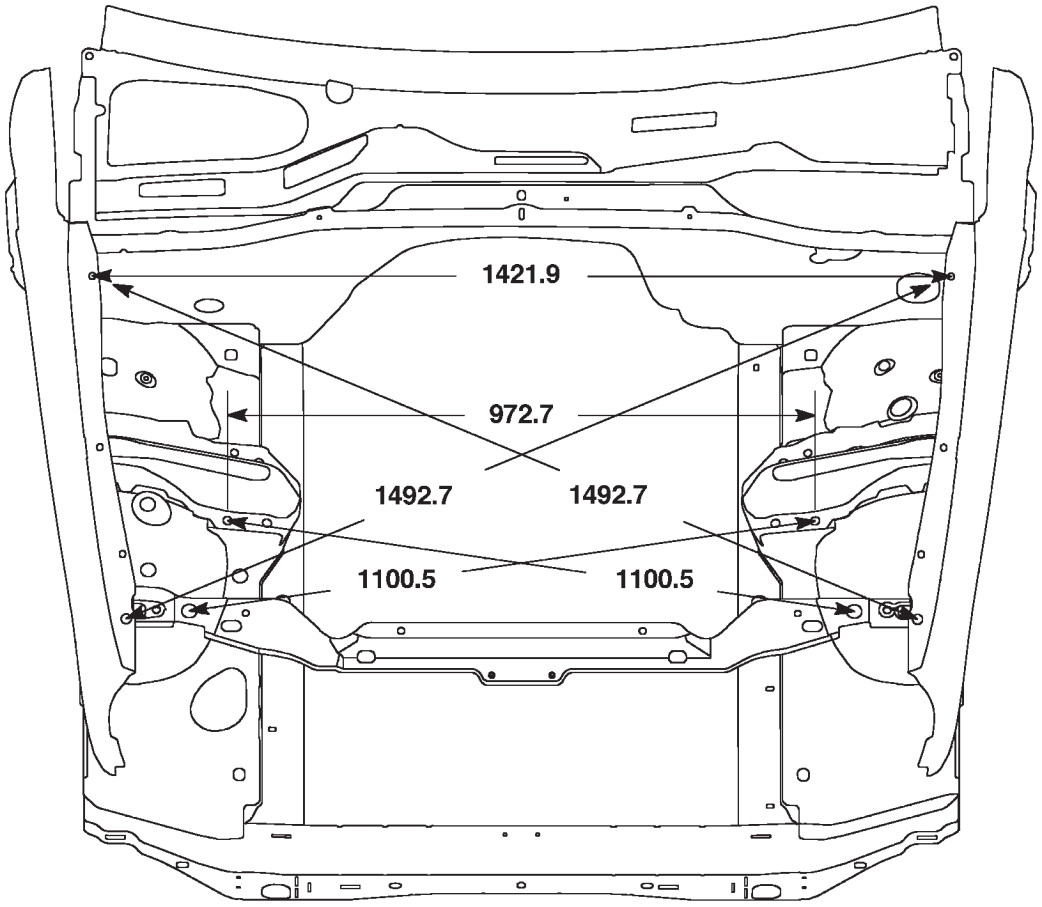
Fig. 100 ROOF PANEL/REAR ROOF HEADER

OPENING DIMENSIONS

SPECIFICATIONS

INDEX

OPENING DIMENSIONS (Continued)



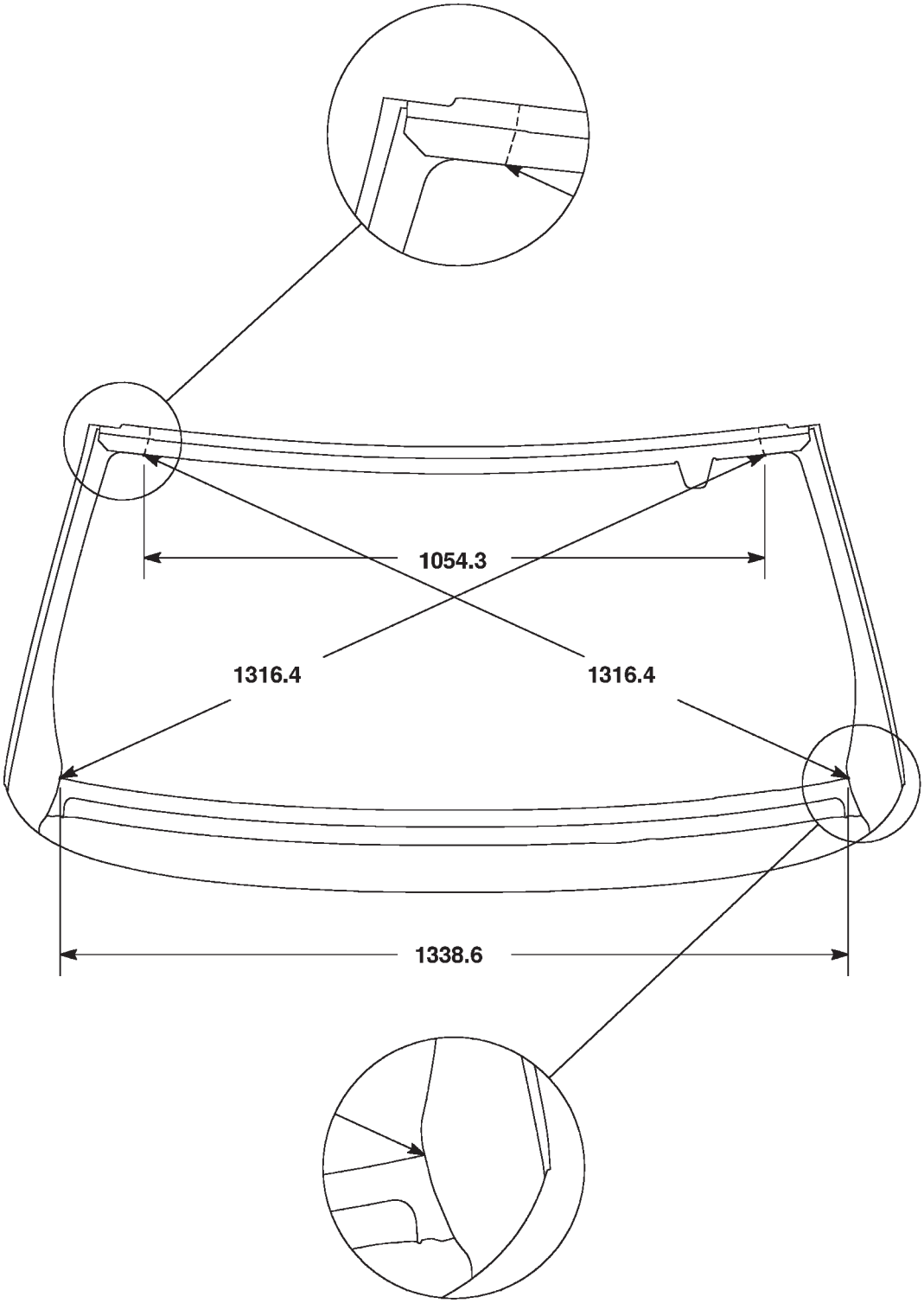
ALL DIMENSIONS ACTUAL

ALL DIMENSIONS IN mm

ALL DIMENSIONS ARE FROM CENTER OF PLP OR CONSTANT HOLE CENTER.

Fig. 101 ENGINE COMPARTMENT

OPENING DIMENSIONS (Continued)



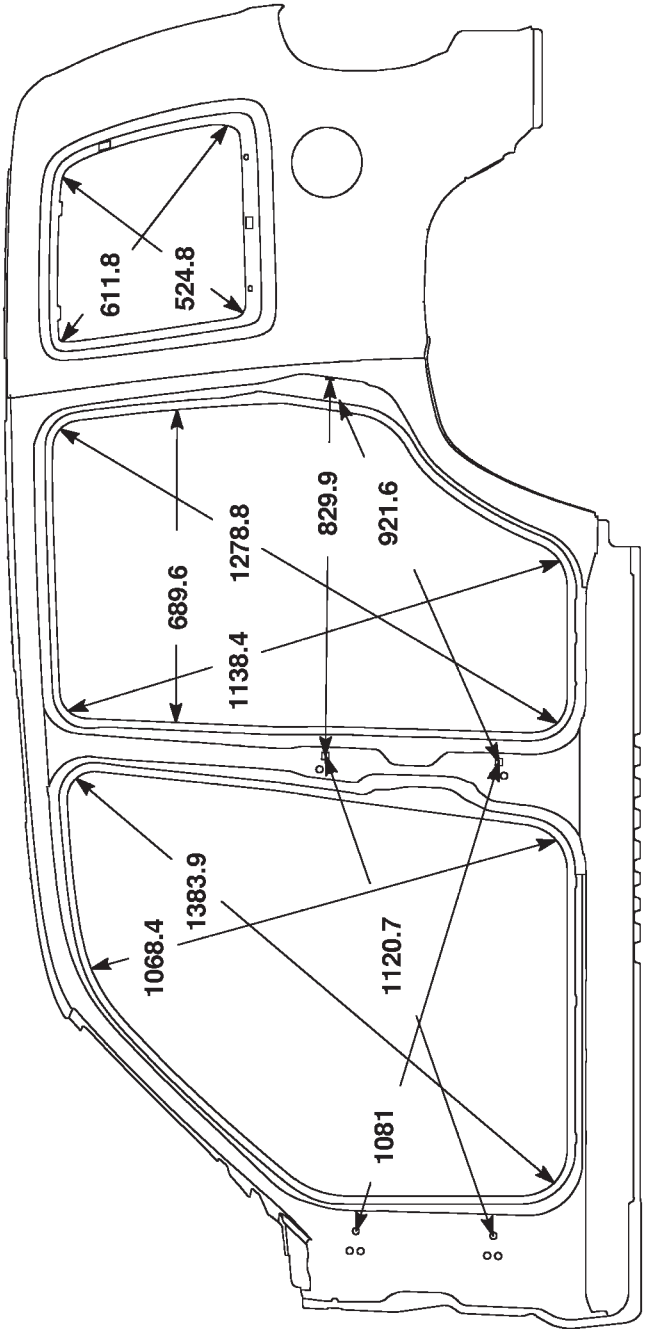
ALL DIMENSIONS ACTUAL

ALL DIMENSIONS IN mm

ALL DIMENSIONS ARE FROM PANEL CONNECTIONS.

Fig. 102 WINDSHIELD OPENING

OPENING DIMENSIONS (Continued)



ALL DIMENSIONS ACTUAL

ALL DIMENSIONS IN mm

ALL DIMENSIONS ARE FROM CENTER OF PLP OR CONSTANT HOLE CENTER AND CENTER OF RADIUS TO CENTER OF RADIUS.

Fig. 103 BODY SIDE OPENINGS

OPENING DIMENSIONS (Continued)

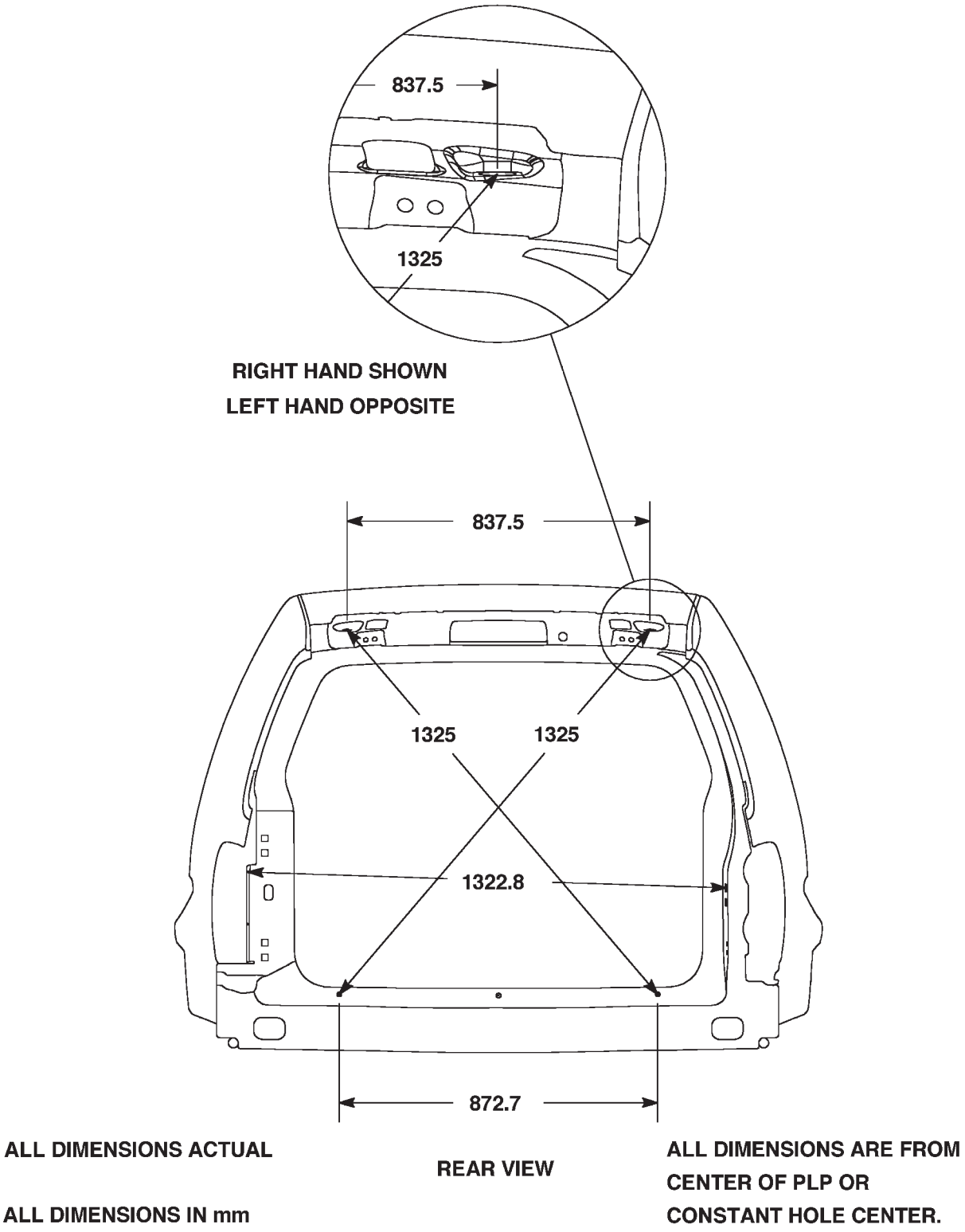


Fig. 104 SWING GATE OPENING

GAP AND FLUSH

SPECIFICATIONS

GAP & FLUSH DIMENSIONS INDEX

DESCRIPTION	FIGURE
FRONT QUADRANT	(105)
REAR QUADRANT	(106)

GAP AND FLUSH (Continued)

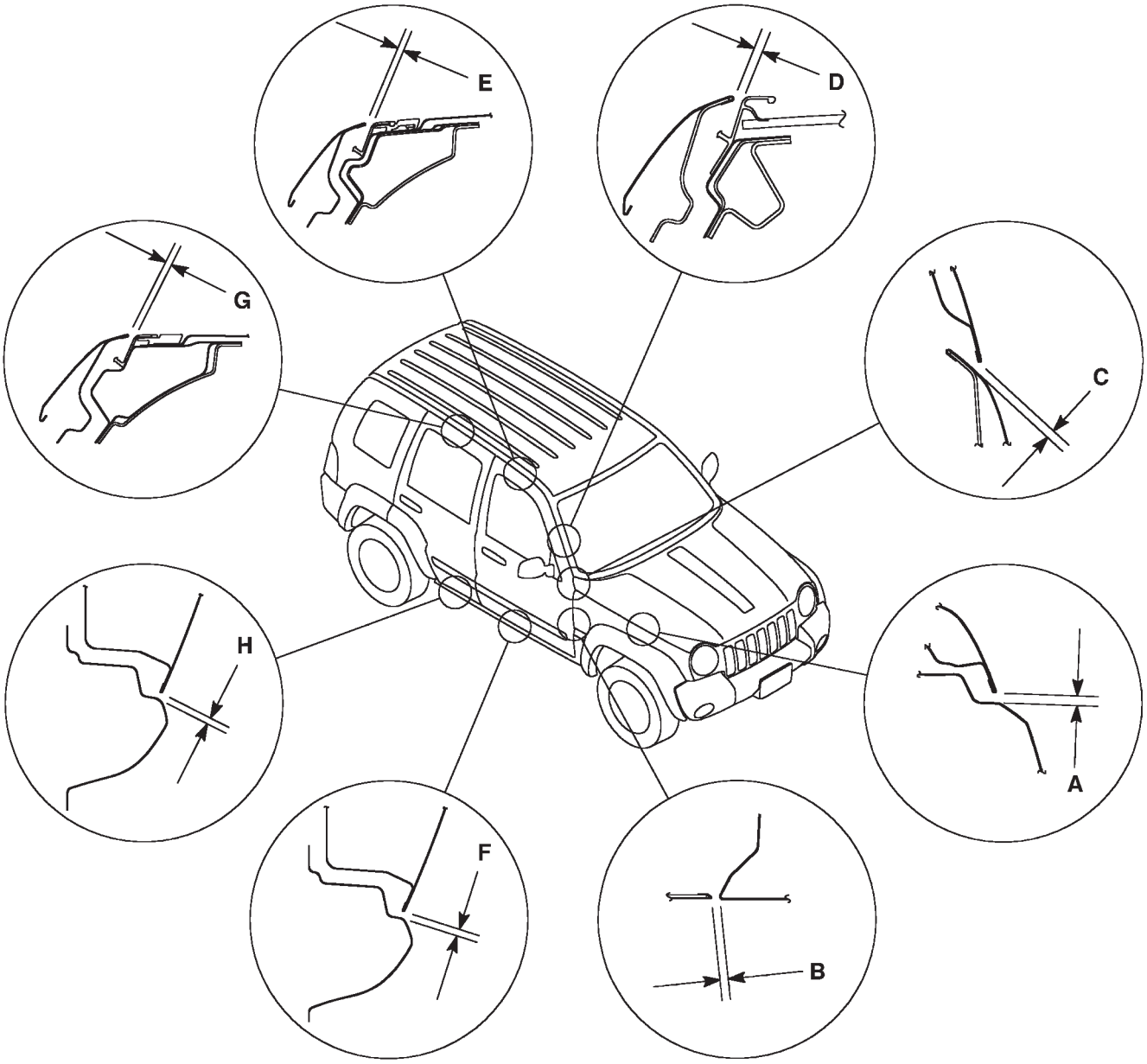


Fig. 105 GAP & FLUSH/FRONT QUADRANT

NOTE:
All measurements are in mm.

U/F = Under Flush

DIMENSION	GAP	FLUSH	DIMENSION	GAP	FLUSH
A	6.0 +/- 2.0	O/F 12.0 +/- 2.0	E	5.0 +/- 1.5	O/F 3.0 +/- 1.5
B	5.0 +/- 1.0	O/F 0.5 +/- 1.5	F	6.0 +/- 2.0	U/F 18.5 +/- 1.5
C	6.0 +/- 1.5	O/F 3.0 +/- 2.0	G	5.0 +/- 1.5	O/F 3.0 +/- 1.5
D	5.0 +/- 1.5	O/F 5.0 +/- 1.5	H	6.0 +/- 2.0	U/F 18.5 +/- 1.5

GAP AND FLUSH (Continued)

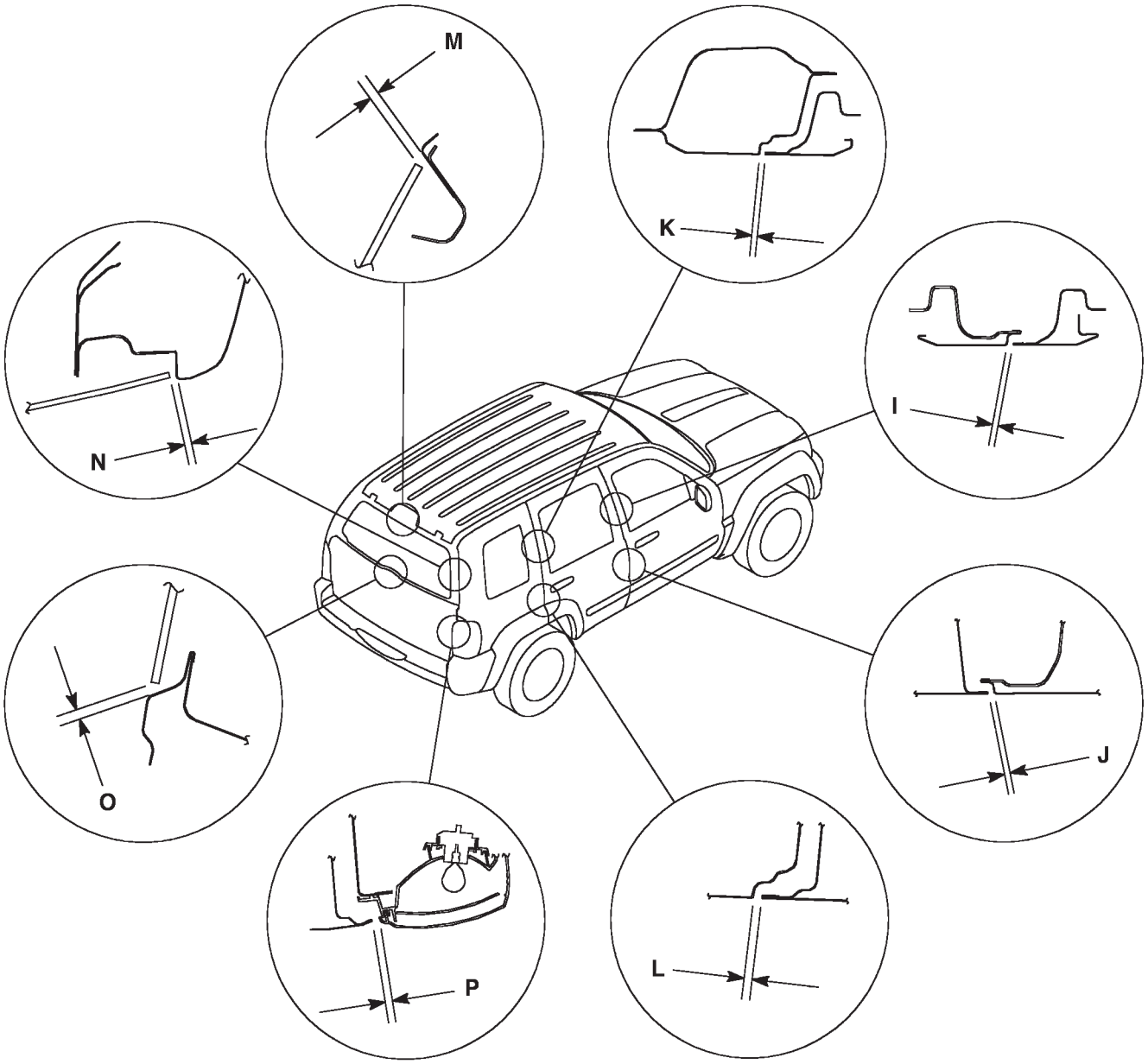


Fig. 106 GAP & FLUSH/REAR QUADRANT

NOTE:
All measurements are in mm.

U/F = Under Flush

DIMENSION	GAP	FLUSH	DIMENSION	GAP	FLUSH
I	5.0 +/- 1.0	0.0 +/- 1.5	M	6.0 +/- 1.5	U/F 4.7 +2.5/-1.0
J	5.0 +/- 1.0	0.0 +/- 1.5	N	6.0 +/- 1.5	U/F 4.0 +2.5/-1.0
K	5.0 +/- 1.0	0.0 +/- 1.5	O	6.0 +/- 1.5	—
L	5.0 +/- 1.0	0.0 +/- 1.5	P	5.0 +/- 1.0	U/F 0.5 +/- 1.0

HOOD

TABLE OF CONTENTS

HINGE

REMOVAL

NOTE: It is not necessary to remove the hood to replace one or both hinges. The hinges can be replaced one at a time.

(1) Raise and support hood.
(2) Using a grease pencil or equivalent, mark position of hinge.
(3) Remove hood support cylinder. (Refer to 23 - BODY/HOOD/SUPPORT CYLINDER - REMOVAL)
(4) Remove nuts attaching hinge to hood.
(5) Remove bolts attaching hinge to body.
(6) Separate hinge from vehicle.

INSTALLATION

(1) Position hinge on vehicle and align reference marks.
(2) Install bolts attaching hinge to body and tighten to 28 N·m (21 ft. lbs.).
(3) Install nuts attaching hinge to hood 12 N·m (9 ft. lbs.).
(4) Install hood hinge support cylinder. (Refer to 23 - BODY/HOOD/SUPPORT CYLINDER - INSTALLATION)

HOOD

REMOVAL

(1) Raise hood.
(2) Using a grease pencil or equivalent, mark location of hood hinges on hood for installation alignment.
(3) Remove bolts attaching hinges to hood.
(4) With the aid of a helper, remove hood from vehicle.

INSTALLATION

(1) Position hood on hinges.
(2) Install bolts finger-tight.
(3) Align hinges with installation reference marks and tighten bolts to 12 N·m (9 ft. lbs.).
(4) Inspect hood for proper alignment and adjust as necessary.

ADJUSTMENTS

ADJUSTMENT

(1) If hood is low in relation to cowl panel, insert shims between hinge and hood.
(2) Adjust hood bumper in or out to adjust hood-to-fender height alignment.
(3) Adjust the hood latch as necessary. Tighten the nuts to 11 N·m (8 ft. lbs.).
(4) Align the latch striker so that striker enters the latch squarely and without binding.

LATCH

REMOVAL

(1) Remove the grill. (Refer to 23 - BODY/EXTERIOR/GRILLE - REMOVAL)

(2) Remove the latch support bracket bolts and position the latch assembly aside. (Fig. 1)

(3) Remove the two latch nuts.

(4) Disconnect the release cable.

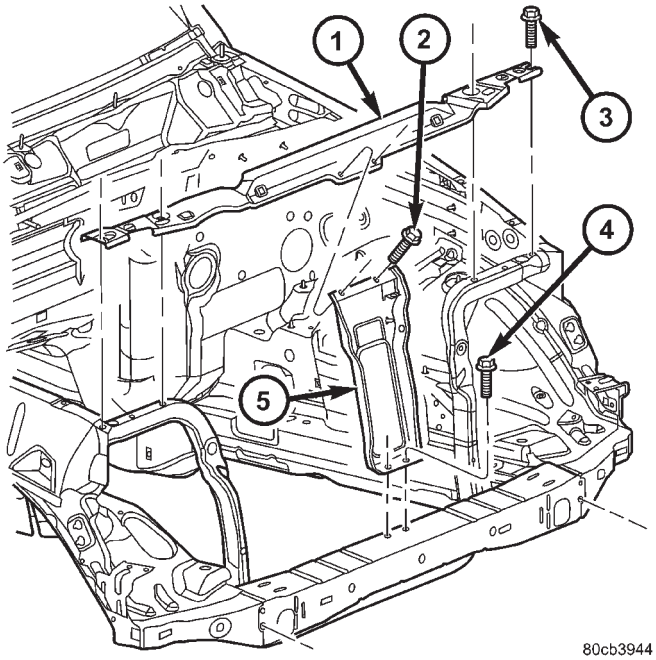


Fig. 1 RADIATOR CROSSMEMBER

1 - CROSSMEMBER
2 - BOLTS (2)
3 - BOLTS (4)
4 - BOLTS (2)
5 - HOOD LATCH SUPPORT

INSTALLATION

(1) Connect the release cable and install the latch onto the support bracket.

(2) Install the two nuts and tighten to 12 N·m (9 ft. lbs.).

(3) Install the support bracket and the bolts.

(4) Tighten the bolts to 12 N·m (9 ft. lbs.).

(5) Install the grill. (Refer to 23 - BODY/EXTERIOR/GRILLE - INSTALLATION)

LATCH RELEASE CABLE

REMOVAL

(1) Remove the battery. (Refer to 8 - ELECTRICAL/BATTERY SYSTEM/BATTERY - REMOVAL)

(2) Remove the hood latch. (Refer to 23 - BODY/HOOD/LATCH - REMOVAL)

(3) Remove the powertrain control module. (Refer to 8 - ELECTRICAL/ELECTRONIC CONTROL MODULES/POWERTRAIN CONTROL MODULE - REMOVAL)

(4) Remove the hood release handle. (Refer to 23 - BODY/HOOD/LATCH RELEASE HANDLE - REMOVAL)

(5) Disconnect the attaching clips and remove the cable from the inside.

INSTALLATION

(1) Install the cable from the inside and attach the retaining clips.

(2) Install the hood latch release handle. (Refer to 23 - BODY/HOOD/LATCH RELEASE HANDLE - INSTALLATION)

(3) Install the powertrain control module. (Refer to 8 - ELECTRICAL/ELECTRONIC CONTROL MODULES/POWERTRAIN CONTROL MODULE - INSTALLATION)

(4) Install the hood latch. (Refer to 23 - BODY/HOOD/LATCH - INSTALLATION)

(5) Install the battery. (Refer to 8 - ELECTRICAL/BATTERY SYSTEM/BATTERY - INSTALLATION)

SUPPORT CYLINDER

REMOVAL

(1) Open the hood and support.

(2) Release the upper and lower clips.

(3) Remove the support cylinder.

INSTALLATION

(1) Install the support cylinder over the ball studs with the thin end down.

(2) Install the retaining clips and remove the support from the hood.

LATCH RELEASE HANDLE

REMOVAL

(1) Remove the cowl trim panel. (Refer to 23 - BODY/INTERIOR/COWL TRIM COVER - REMOVAL)

(2) Remove the three screws and remove the handle.

(3) Disconnect the hood release cable.

INSTALLATION

(1) Connect the hood release cable to the handle.

(2) Install the handle and install the three screws.

(3) Install the cowl trim cover. (Refer to 23 - BODY/INTERIOR/COWL TRIM COVER - INSTALLATION)

DOOR - FRONT

TABLE OF CONTENTS

CHECK STRAP

REMOVAL

(1) Remove the waterdam. (Refer to 23 - BODY/ DOOR - FRONT/WATERDAM - REMOVAL)
(2) Remove screws attaching door check to A-pillar.
(3) Remove the two nuts and remove the door check strap. (Fig. 1)

INSTALLATION

NOTE: Make sure the proper orientation of the check strap is maintained using the “R” and “L” on the top.

(1) Install the check strap through the speaker hole.
(2) Install the nuts and tighten to 12 N·m (9 ft. lbs.).
(3) Connect the strap to the A-pillar and tighten the bolts to 12 N·m (9 ft. lbs.).
(4) Install the waterdam. (Refer to 23 - BODY/ DOOR - FRONT/WATERDAM - INSTALLATION)

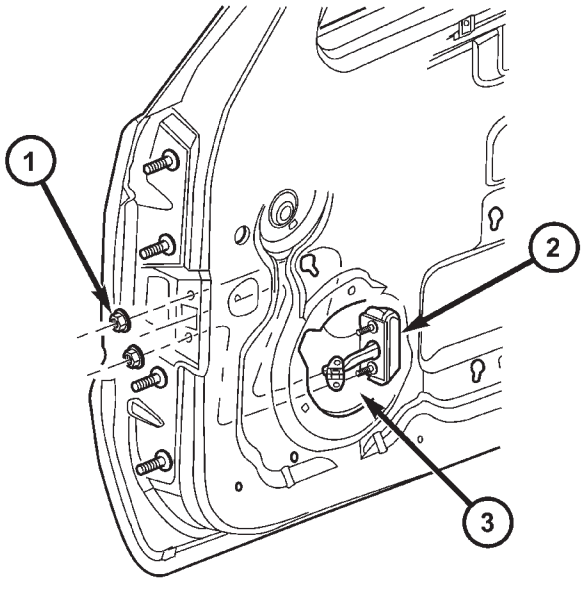


Fig. 1 CHECK STRAP

1 - NUTS
2 - CHECK STRAP
3 - SPEAKER OPENING

DOOR

REMOVAL

(1) Disconnect the door wire harness electrical connector at the A-pillar.
(2) Support the door with a suitable lifting device.
(3) Remove the bolts attaching the check strap to the a-pillar.

NOTE: The epoxy washers should not be removed from the hinge. If the washers are removed the door may have to be re-adjusted.

(4) Remove the nuts attaching the door hinges to the door. (Fig. 2)

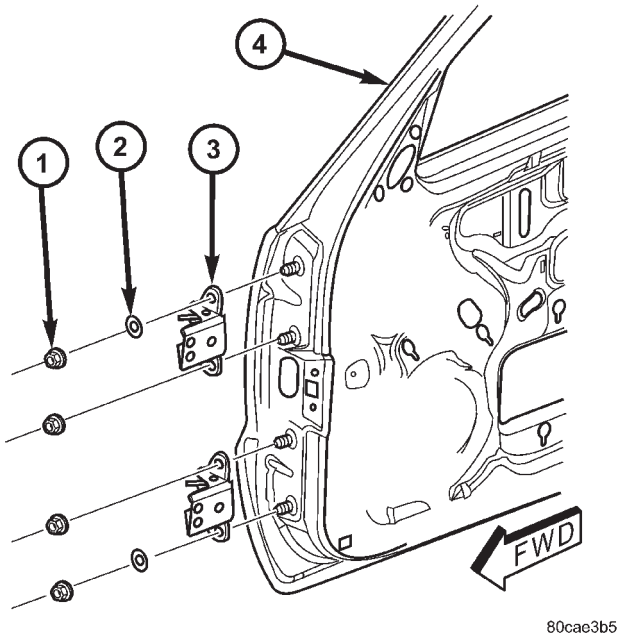


Fig. 2 HINGES

1 - NUTS (4)
2 - EPOXY WASHERS (2) (NOT REMOVABLE)
3 - HINGES
4 - DOOR

INSTALLATION

(1) Support the door with a suitable lifting device and install the door onto the hinges.
(2) Install the nuts and washers if they were removed previously and tighten to 23 N·m (17 ft. lbs.).
(3) Connect the door wire harness electrical connector.
(4) Connect the check strap to the a-pillar and install the bolts.
(5) Tighten the check strap bolts to 12 N·m (9 ft. lbs.).
(6) Adjust the door as necessary. (Refer to 23 - BODY/BODY STRUCTURE/GAP AND FLUSH - SPECIFICATIONS)

DOOR GLASS

REMOVAL

(1) Remove the outer belt molding. (Refer to 23 - BODY/WEATHERSTRIP/SEALS/FRONT DOOR OUTER BELT MOLDING - REMOVAL)
(2) Remove the waterdam. (Refer to 23 - BODY/DOOR - FRONT/WATERDAM - REMOVAL)
(3) Raise the glass to the position shown and using a long flat blade or hook type tool, disengage clips attaching glass retainer to regulator lift plate. (Fig. 3)
(4) Disconnect the glass from the regulator lift plate and re-install the clips.
(5) Rotate the top of the glass toward the front and remove the glass from the window opening.

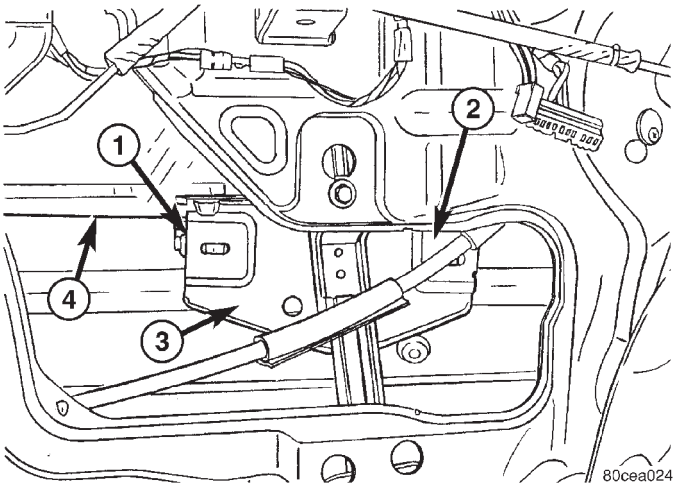


Fig. 3 DOOR GLASS/REGULATOR

1 - DOOR GLASS ATTACHMENT CLIP (2)
2 - DOOR OPENING
3 - REGULATOR LIFT PLATE
4 - DOOR GLASS

INSTALLATION

(1) Install the glass through the window opening and align the mounting plate to the lift plate.
(2) Engage the glass to the regulator lift plate.
(3) Install the outer belt molding. (Refer to 23 - BODY/WEATHERSTRIP/SEALS/FRONT DOOR OUTER BELT MOLDING - INSTALLATION)
(4) Install the waterdam. (Refer to 23 - BODY/DOOR - FRONT/WATERDAM - INSTALLATION)

EXTERIOR HANDLE

REMOVAL

(1) Remove the door glass. (Refer to 23 - BODY/DOOR - FRONT/DOOR GLASS - REMOVAL)
(2) Disconnect the lock switch electrical connector, if equipped. (Fig. 4)
(3) Disconnect the handle rod at the handle and the key cylinder rod at the latch.
(4) Remove the screws.
(5) Remove the nuts and remove the handle.

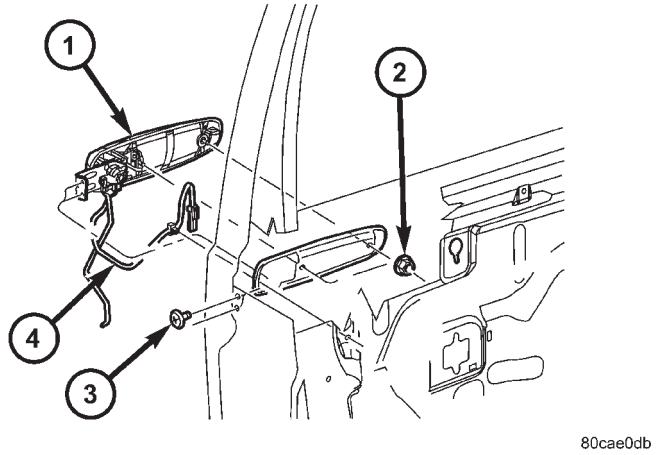


Fig. 4 EXTERIOR HANDLE

1 - EXTERIOR HANDLE
2 - NUTS
3 - SCREWS
4 - ELECTRICAL CONNECTOR

INSTALLATION

(1) Position the handle on the door and slide fully toward the rear of the door.
(2) Install the nuts and tighten to 6 N·m (55 in. lbs.).
(3) Install the screws and tighten to 6 N·m (55 in. lbs.).
(4) Connect the handle rod at the handle and the key cylinder rod at the latch.
(5) Connect the lock switch electrical connector, if equipped.
(6) Install the door glass. (Refer to 23 - BODY/DOOR - FRONT/DOOR GLASS - INSTALLATION)

GLASS RUN CHANNEL

REMOVAL

(1) Position the window into the down position.
(2) Remove the waterdam. (Refer to 23 - BODY/DOOR - FRONT/WATERDAM - REMOVAL)
(3) Remove the outer belt molding. (Refer to 23 - BODY/WEATHERSTRIP/SEALS/FRONT DOOR OUTER BELT MOLDING - REMOVAL)
(4) Remove the front and rear bolts. (Fig. 5)
(5) Peal the weatherstrip out of the door frame and remove the run channel through the window opening.

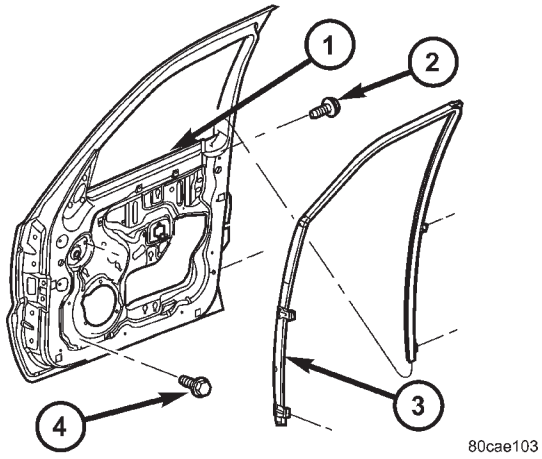


Fig. 5 GLASS RUN CHANNEL

1 - WINDOW OPENING
2 - REAR BOLTS (2)
3 - GLASS RUN CHANNEL
4 - FRONT BOLTS (2)

INSTALLATION

(1) Install the run channel through the window opening and into the door frame.
(2) Install the front, rear bolts and tighten to 9 N·m (80 in. lbs.).
(3) Install the outer belt molding. (Refer to 23 - BODY/WEATHERSTRIP/SEALS/FRONT DOOR OUTER BELT MOLDING - INSTALLATION)
(4) Install the waterdam. (Refer to 23 - BODY/DOOR - FRONT/WATERDAM - INSTALLATION)

HINGE

REMOVAL

(1) Remove the door. (Refer to 23 - BODY/DOOR - FRONT/DOOR - REMOVAL)
(2) Using a grease pencil or equivalent, mark the hinge location and remove the bolts.

INSTALLATION

(1) Install the hinges and bolts.
(2) Tighten bolts to 28 N·m (21 ft. lbs.).
(3) Install the door. (Refer to 23 - BODY/DOOR - FRONT/DOOR - INSTALLATION)

LATCH

REMOVAL

(1) Remove the waterdam. (Refer to 23 - BODY/DOOR - FRONT/WATERDAM - REMOVAL)
(2) Disconnect the exterior handle rod at the handle.
(3) Disconnect the lock and lock cylinder rods at the latch.
(4) Remove the screws and remove the latch assembly. (Fig. 6)
(5) Disconnect the electrical connectors.

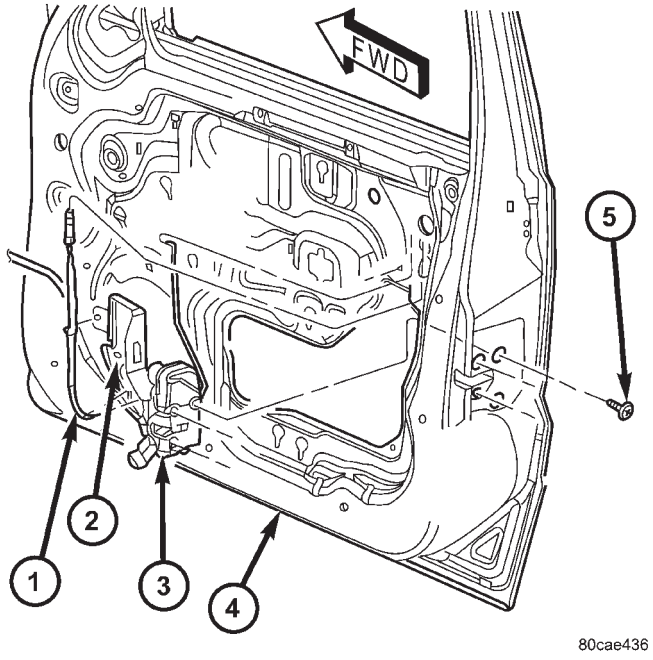


Fig. 6 LATCH

1 - LOCK ACTUATOR ROD
2 - PLASTIC COVER
3 - LATCH ASSEMBLY
4 - DOOR
5 - SCREWS

INSTALLATION

(1) Connect the latch electrical connectors.
(2) Install the latch assembly into the door and install the screws.
(3) Tighten the latch screws to 11 N·m (95 in. lbs.).
(4) Connect the lock cylinder and lock actuator rods at the latch.
(5) Connect the exterior handle actuator rod at the handle.
(6) Adjust the latch as needed. (Refer to 23 - BODY/DOOR - FRONT/LATCH - ADJUSTMENTS)
(7) Install the waterdam. (Refer to 23 - BODY/DOOR - FRONT/WATERDAM - INSTALLATION)

ADJUSTMENTS

ADJUSTMENT

(1) Locate access hole and remove the mylar tape covering it. (Fig. 7)
(2) Insert a 5/32-inch hex-wrench through hole and into adjustment screw. Loosen screw.
(3) Operate outside handle several times to release any restriction because of mis-alignment.
(4) Tighten adjustment screw to 3 N·m (30 in. lbs.).
(5) Test handle and lock cylinder for proper operation.

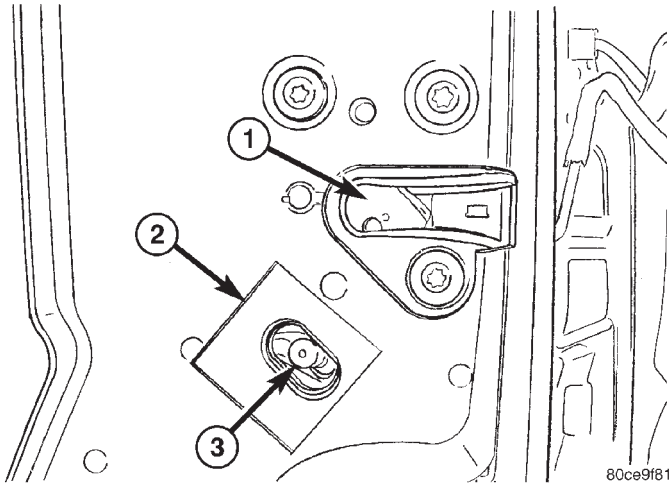


Fig. 7 LATCH ADJUSTMENT SCREW

1 - DOOR LATCH
2 - MYLAR TAPE
3 - ADJUSTMENT SCREW

LATCH STRIKER

REMOVAL

(1) Remove the bolts. (Fig. 8)
(2) Remove the latch striker and the spacer, if equipped.

INSTALLATION

(1) Install the striker and spacer, if equipped.
(2) Install the bolts and tighten to 28 N·m (21 ft. lbs.).
(3) Adjust the door as necessary. (Refer to 23 - BODY/BODY STRUCTURE/GAP AND FLUSH - SPECIFICATIONS)

LATCH STRIKER (Continued)

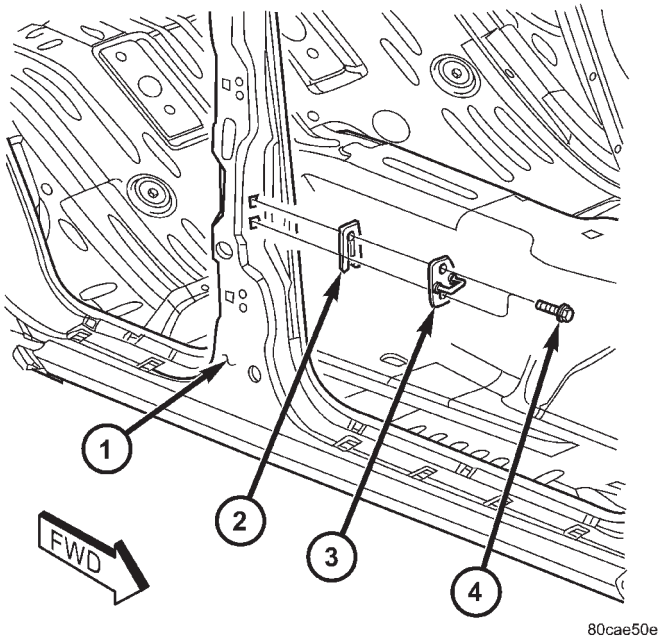


Fig. 8 LATCH STRIKER

1 - B-PILLAR
2 - SPACER
3 - STRIKER
4 - BOLTS (2)

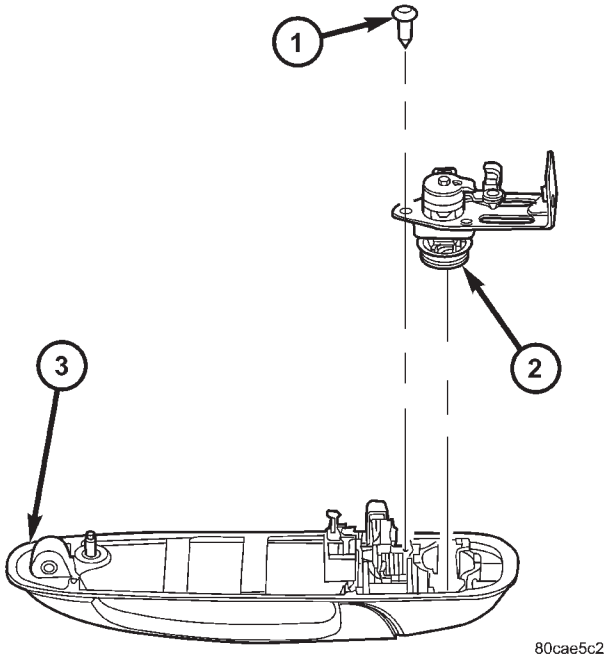


Fig. 9 LOCK CYLINDER

1 - SCREW
2 - LOCK CYLINDER ASSEMBLY
3 - EXTERIOR HANDLE

LOCK CYLINDER

REMOVAL

(1) Remove the exterior handle. (Refer to 23 - BODY/DOOR - FRONT/EXTERIOR HANDLE - REMOVAL)

(2) Remove the clip and remove the lock cylinder lever and switch, if equipped.

(3) Remove the screw and remove the lock cylinder. (Fig. 9)

INSTALLATION

(1) Install the lock cylinder and install the retaining screw.

(2) Install the lock cylinder switch, if equipped, lever and retaining clip.

(3) Install the exterior handle. (Refer to 23 - BODY/DOOR - FRONT/EXTERIOR HANDLE - INSTALLATION)

TRIM PANEL

REMOVAL

(1) Remove the inside handle screw plug and remove the screw. (Fig. 10)

(2) Remove the pull handle screw.

(3) Using a trim stick C-4755 or equivalent, disengage the trim panel clips and remove the trim panel.

(4) Disconnect the electrical connectors and the inside handle actuator rod. (Fig. 11)

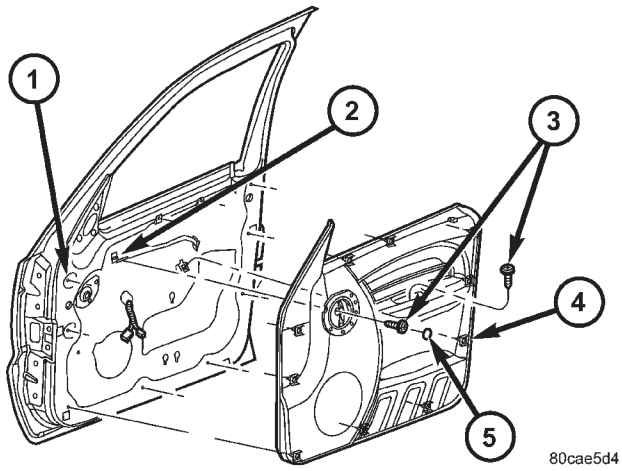


Fig. 10 TRIM PANEL

1 - ALIGNMENT PIN HOLES
2 - LATCH ACTUATOR ROD
3 - SCREWS (2)
4 - TRIM PANEL CLIPS
5 - INSIDE HANDLE SCREW PLUG

TRIM PANEL (Continued)

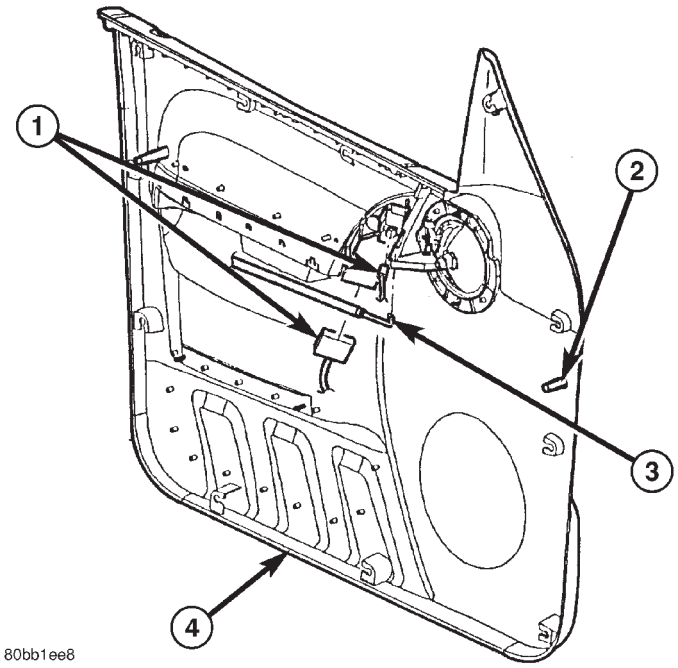


Fig. 11 TRIM PANEL CONNECTIONS

1 - ELECTRICAL CONNECTORS
2 - ALIGNMENT PINS
3 - LATCH ACTUATOR ROD
4 - TRIM PANEL

INSTALLATION

(1) Connect the inside handle actuator rod and the electrical connectors.
(2) Position the trim panel and seat the clips fully.
(3) Instal the screws and install the screw plug.

WATERDAM

REMOVAL

(1) Remove the trim panel. (Refer to 23 - BODY/ DOOR - FRONT/TRIM PANEL - REMOVAL)
(2) Remove the door speaker.
(3) Peal waterdam away from inner door panel and off of the latch linkages (Fig. 12).

INSTALLATION

(1) Position the wire harness and actuator rods through the holes in the waterdam.
(2) Place waterdam onto the door.
(3) Install the trim panel. (Refer to 23 - BODY/ DOOR - FRONT/TRIM PANEL - INSTALLATION)

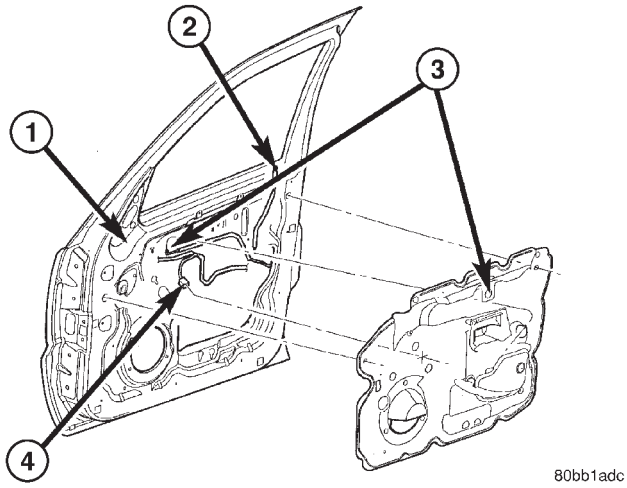


Fig. 12 FRONT DOOR WATERDAM

1 - DOOR
2 - LOCK ACTUATOR ROD
3 - INSIDE HANDLE ACTUATOR ROD AND HOLE
4 - ELECTRICAL CONNECTOR

WINDOW REGULATOR - MANUAL

REMOVAL

(1) Remove the door glass. (Refer to 23 - BODY/ DOOR - FRONT/DOOR GLASS - REMOVAL)
(2) Loosen the bolts. (Fig. 13)
(3) Disconnect the runout tube clip and remove the regulator.

INSTALLATION

(1) Install the regulator assembly.
(2) Tighten the bolts to 9 N·m (80 in. lbs.) using the sequence shown. (Fig. 14)
(3) Install the door glass. (Refer to 23 - BODY/ DOOR - FRONT/DOOR GLASS - INSTALLATION)

WINDOW REGULATOR - ELECTRIC

REMOVAL

(1) Remove the door glass. (Refer to 23 - BODY/ DOOR - FRONT/DOOR GLASS - REMOVAL)
(2) Loosen the bolts. (Fig. 15)
(3) Disconnect the runout tube clip.
(4) Disconnect the electrical connector and remove the regulator.

INSTALLATION

(1) Install the regulator assembly.
(2) Connect the electrical connector.

WINDOW REGULATOR - ELECTRIC (Continued)

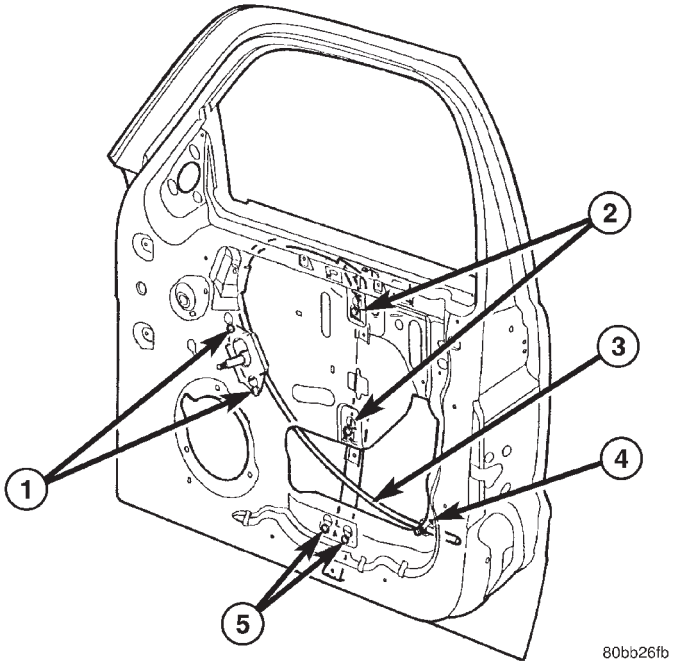


Fig. 13 FRONT DOOR REGULATOR - MANUAL

1 - BOLTS
2 - BOLTS
3 - RUNOUT TUBE
4 - RUNOUT TUBE CLIP
5 - BOLTS

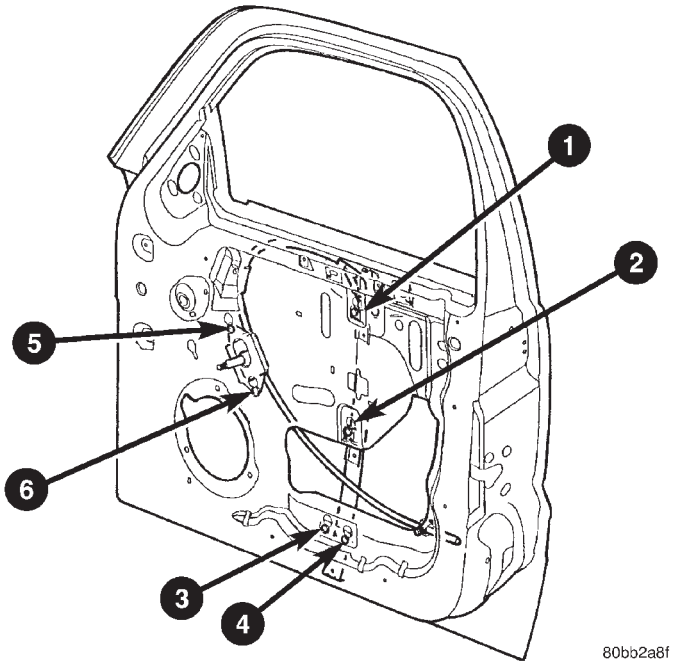


Fig. 14 REGULATOR TIGHTENING SEQUENCE

(3) Tighten the bolts to 9 N·m (80 in. lbs.) using the sequence shown. (Fig. 16)

(4) Connect the runout tube clip.

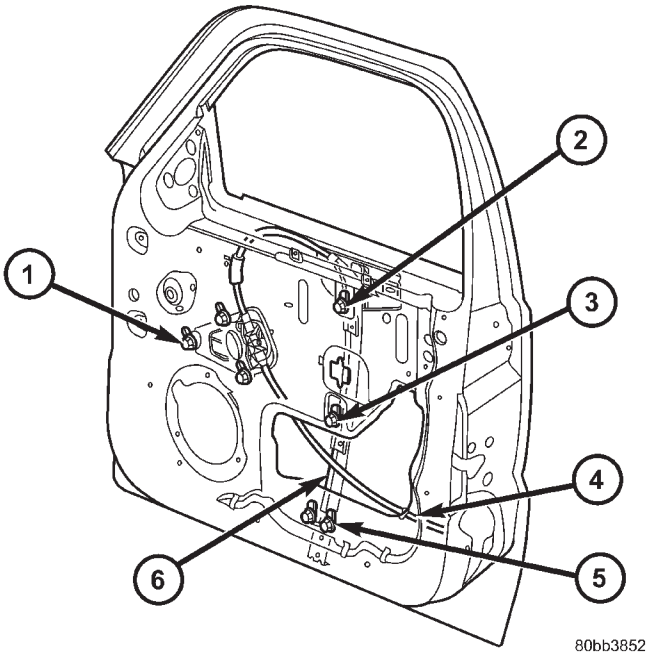


Fig. 15 WINDOW REGULATOR - ELECTRIC

1 - BOLTS (3)
2 - BOLT
3 - BOLT
4 - RUNOUT TUBE CLIP
5 - BOLTS (2)
6 - REGULATOR ASSEMBLY

(5) Install the glass. (Refer to 23 - BODY/DOOR - FRONT/DOOR GLASS - INSTALLATION)

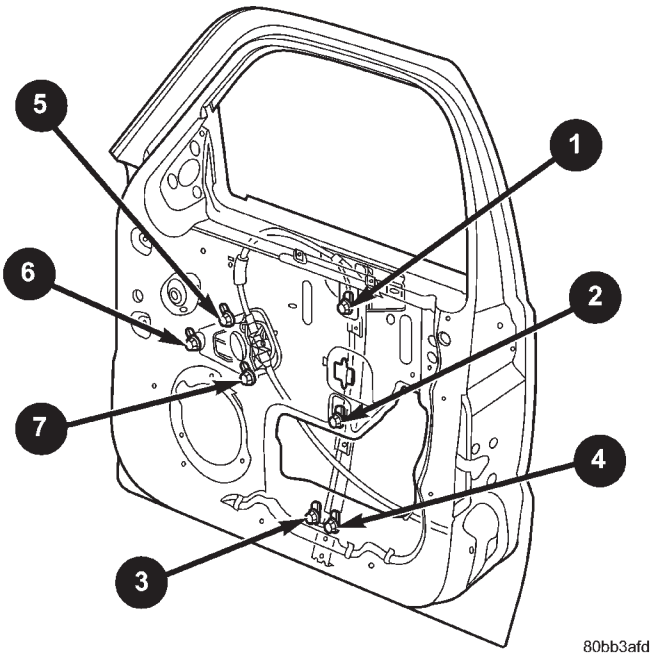


Fig. 16 REGULATOR TIGHTENING SEQUENCE

DOORS - REAR

TABLE OF CONTENTS

CHECK STRAP

REMOVAL

(1) Remove the waterdam. (Refer to 23 - BODY/DOORS - REAR/WATERDAM - REMOVAL)
(2) Remove screws attaching door check to b-pillar.
(3) Remove the two nuts and remove the door check strap. (Fig. 1)

INSTALLATION

NOTE: Make sure the proper orientation of the check strap is maintained using the “R” and “L” on the top.

(1) Install the check strap through the speaker hole.
(2) Install the nuts and tighten to 12 N·m (9 ft. lbs.).
(3) Connect the strap to the b-pillar and tighten the bolts to 12 N·m (9 ft. lbs.).
(4) Install the waterdam. (Refer to 23 - BODY/DOORS - REAR/WATERDAM - INSTALLATION)

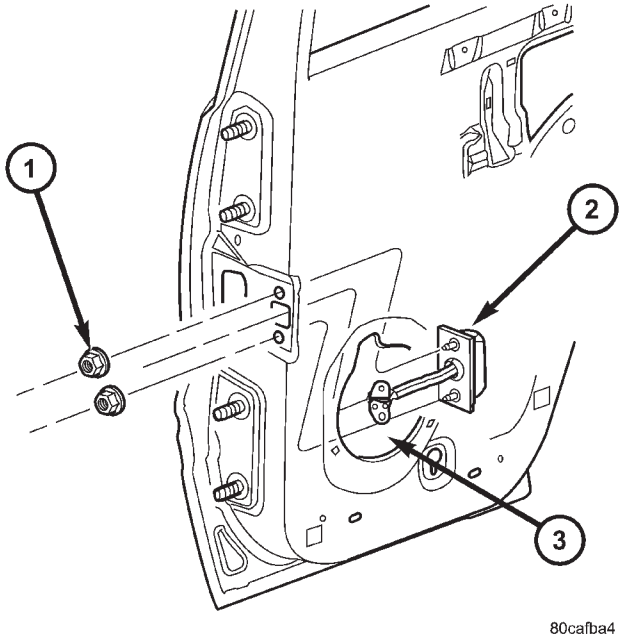


Fig. 1 CHECK STRAP

1 - NUTS
2 - CHECK STRAP
3 - SPEAKER OPENING

DOOR

REMOVAL

(1) Disconnect the door wire harness electrical connector at the b-pillar.

(2) Disconnect the check strap from the b-pillar. (Refer to 23 - BODY/DOORS - REAR/CHECK STRAP - REMOVAL)

(3) Support the door with a suitable lifting device.

NOTE: The epoxy washers should not be removed from the hinge. If the washers are removed the door may have to be re-adjusted.

(4) Remove the nuts attaching the door hinges to the door. (Fig. 2)

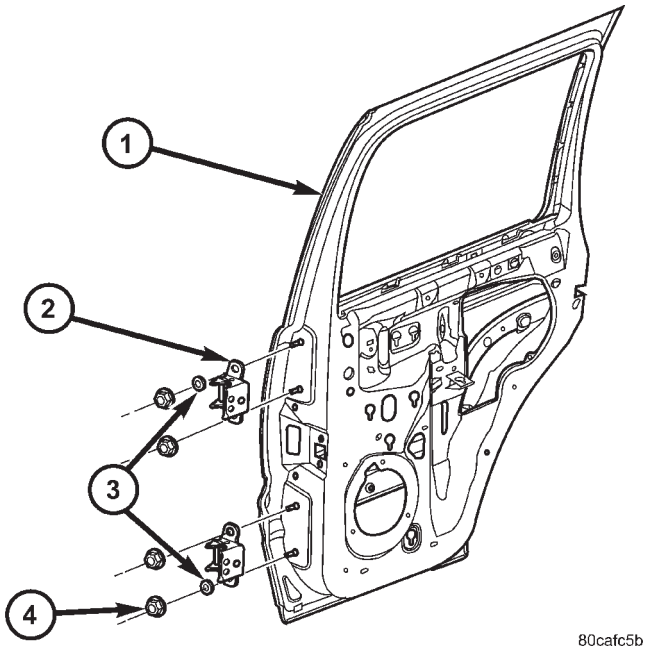


Fig. 2 HINGES

1 - DOOR
2 - HINGES
3 - EPOXY WASHERS (2) (NOT REMOVABLE)
4 - NUTS

INSTALLATION

(1) Support the door with a suitable lifting device and install the door onto the b-pillar.

(2) Install the nuts, washers and tighten to 23 N·m (17 ft. lbs.).

(3) Connect the door wire harness electrical connector.

(4) Connect the check strap to the b-pillar. (Refer to 23 - BODY/DOORS - REAR/CHECK STRAP - INSTALLATION)

(5) Adjust the door as necessary. (Refer to 23 - BODY/BODY STRUCTURE/GAP AND FLUSH - SPECIFICATIONS)

DOOR GLASS

REMOVAL

(1) Remove the waterdam. (Refer to 23 - BODY/DOORS - REAR/WATERDAM - REMOVAL)

(2) Raise the glass and line up the lift plate clip with the hole in the door panel shown. (Fig. 3)

(3) Using a long flat blade or hook type tool, disengage the clip attaching glass retainer to regulator lift plate.

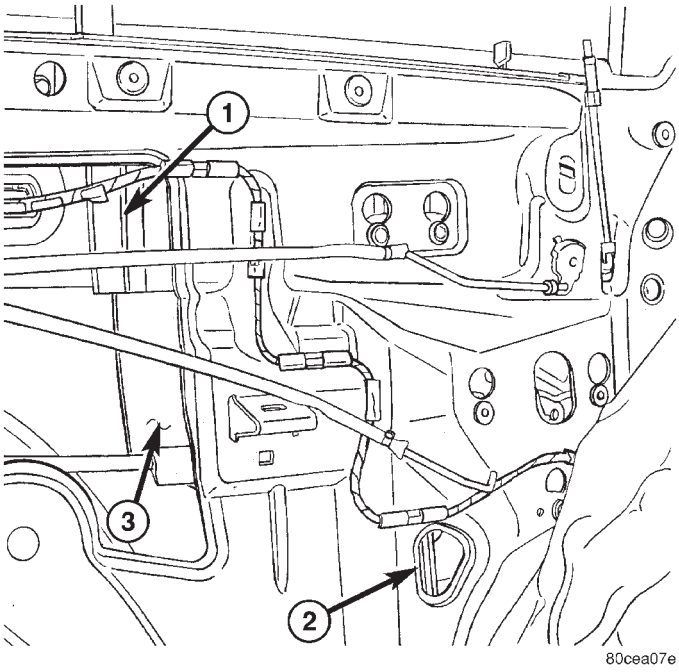


Fig. 3 DOOR GLASS POSITION

1 - GLASS DIVISION BAR
2 - DOOR PANEL SIGHT HOLE
3 - DOOR GLASS

(4) Disconnect the glass from the regulator lift plate and re-install the clip.

(5) Position the glass into the bottom of the door.

(6) Remove the glass division bar bolt. (Fig. 4)

(7) Twist the division bar towards the inside of the door and disengage the door glass.

(8) Remove the glass from the window opening.

INSTALLATION

(1) Install the glass through the window opening.

(2) Position the front of the glass into the glass run channel.

DOOR GLASS (Continued)

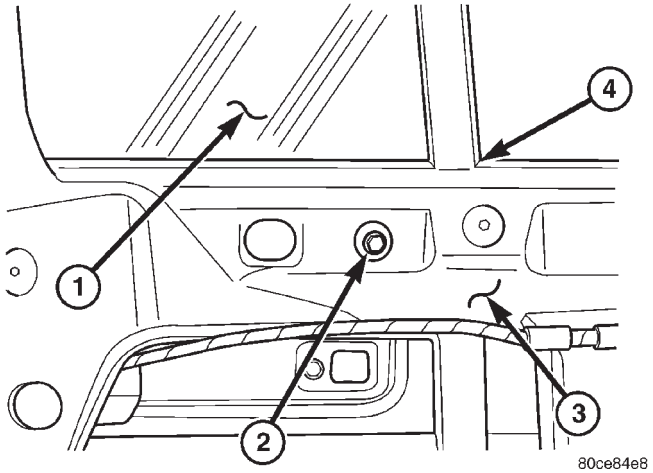


Fig. 4 GLASS DIVISION BAR

1 - STATIONARY DOOR GLASS
2 - DIVISION BAR BOLT (1)
3 - DOOR
4 - GLASS DIVISION BAR

(3) Twist the glass division bar towards the inside of the door and position the door glass into the rear run channel.

(4) Lift glass up in the window and engage the pin into the regulator lift plate.

(5) Raise the glass into the closed position and install the division bar bolt.

(6) Tighten the bolt to 9 N·m (80 in. lbs.).

(7) Install the waterdam. (Refer to 23 - BODY/ DOORS - REAR/WATERDAM - INSTALLATION)

EXTERIOR HANDLE

REMOVAL

(1) Remove the waterdam. (Refer to 23 - BODY/ DOORS - REAR/WATERDAM - REMOVAL)

(2) Disconnect the actuator rod.

(3) Remove the nuts and remove the handle. (Fig. 5)

INSTALLATION

(1) Install the handle.

(2) Install the nuts and tighten to 6 N·m (55 in. lbs.).

(3) Connect the actuator rod.

(4) Install the waterdam. (Refer to 23 - BODY/ DOORS - REAR/WATERDAM - INSTALLATION)

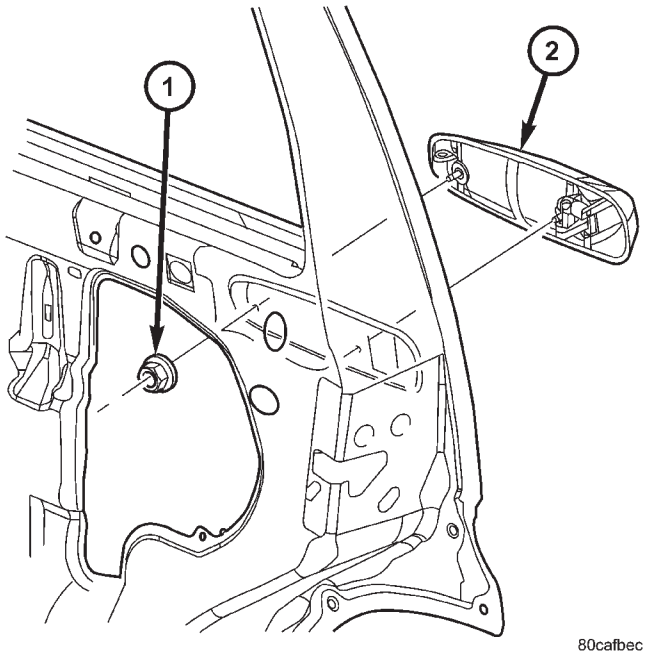


Fig. 5 EXTERIOR HANDLE

1 - NUTS (2)
2 - EXTERIOR HANDLE

GLASS RUN CHANNEL

REMOVAL

(1) Remove the door glass. (Refer to 23 - BODY/ DOORS - REAR/DOOR GLASS - REMOVAL)

(2) Remove the outer belt molding. (Refer to 23 - BODY/WEATHERSTRIP/SEALS/REAR DOOR OUTER BELT MOLDING - REMOVAL)

(3) Remove the front and rear bolts. (Fig. 6)

(4) Peal the weatherstrip and quarter glass out of the door frame and remove the run channel through the window opening as an assembly.

INSTALLATION

(1) Install the run channel and quarter glass assembly through the window opening and into the door frame.

(2) Install the front, rear bolts and tighten to 9 N·m (80 in. lbs.).

(3) Install the outer belt molding. (Refer to 23 - BODY/WEATHERSTRIP/SEALS/REAR DOOR OUTER BELT MOLDING - INSTALLATION)

(4) Install the door glass. (Refer to 23 - BODY/ DOORS - REAR/DOOR GLASS - INSTALLATION)

GLASS RUN CHANNEL (Continued)

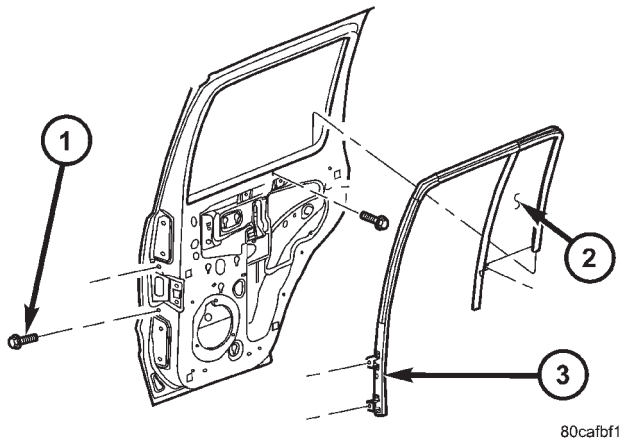


Fig. 6 GLASS RUN CHANNEL

1 - BOLTS (3)
2 - QUARTER GLASS
3 - GLASS RUN CHANNEL ASSEMBLY

HINGE

REMOVAL

(1) Remove the door. (Refer to 23 - BODY/DOORS - REAR/DOOR - REMOVAL)
(2) Remove the upper b-pillar trim. (Refer to 23 - BODY/INTERIOR/B-PILLAR UPPER TRIM - REMOVAL)
(3) Remove the two door hinge bolts from the inside of the b-pillar.
(4) Remove the exterior bolts attaching the door hinges to the b-pillar.

INSTALLATION

(1) Install the hinges.
(2) Install the exterior bolts and tighten to 28 N·m (21 ft. lbs.).
(3) Install the two inner hinge bolts and tighten to 28 N·m (21 ft. lbs.).
(4) Adjust the door as necessary. (Refer to 23 - BODY/BODY STRUCTURE/GAP AND FLUSH - SPECIFICATIONS)
(5) Install the upper b-pillar trim. (Refer to 23 - BODY/INTERIOR/B-PILLAR UPPER TRIM - INSTALLATION)
(6) Install the door. (Refer to 23 - BODY/DOORS - REAR/DOOR - INSTALLATION)

LATCH

REMOVAL

(1) Remove the door glass. (Refer to 23 - BODY/DOORS - REAR/DOOR GLASS - REMOVAL)
(2) Disconnect the actuator rods.
(3) Remove the screws and remove the latch assembly. (Fig. 7)
(4) Disconnect the electrical connectors.

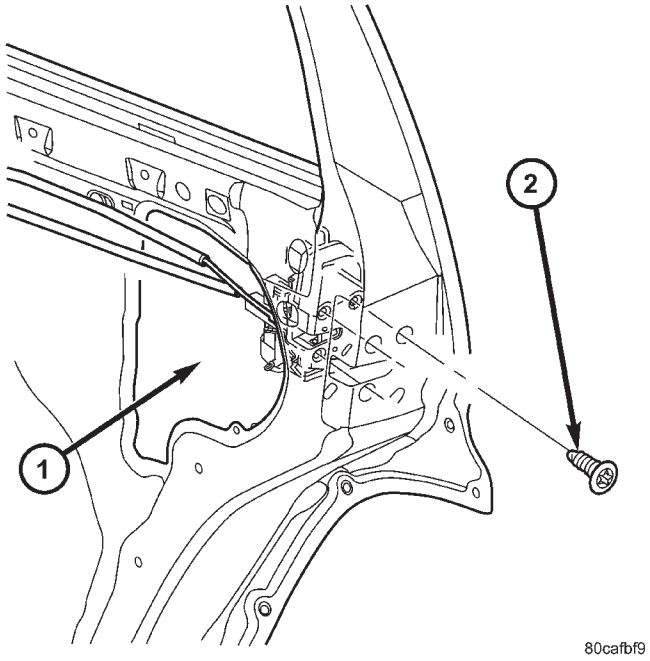


Fig. 7 LATCH

1 - LATCH
2 - SCREWS (4)

INSTALLATION

(1) Connect the latch electrical connectors.
(2) Install the latch assembly into the door and install the screws.
(3) Tighten the latch screws to 11 N·m (95 in. lbs.).
(4) Connect the actuator rods.
(5) Install the door glass. (Refer to 23 - BODY/DOORS - REAR/DOOR GLASS - INSTALLATION)
(6) Adjust the latch as needed. (Refer to 23 - BODY/DOORS - REAR/LATCH - ADJUSTMENTS)

ADJUSTMENTS

ADJUSTMENT

(1) Locate access hole and remove the mylar tape covering it. (Fig. 8)
(2) Insert a 5/32-inch hex-wrench through hole and into adjustment screw. Loosen screw.
(3) Operate outside handle several times to release any restriction because of mis-alignment.
(4) Tighten adjustment screw to 3 N·m (30 in. lbs.).
(5) Test handle and lock cylinder for proper operation.

LATCH (Continued)

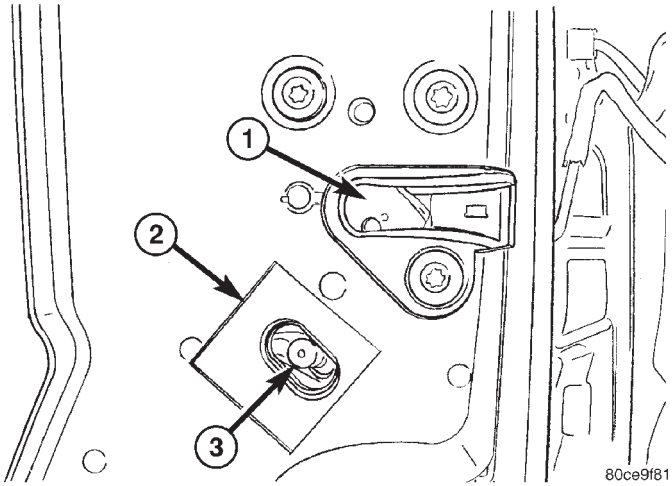


Fig. 8 LATCH ADJUSTMENT SCREW

1 - DOOR LATCH
2 - MYLAR TAPE
3 - ADJUSTMENT SCREW

LATCH STRIKER

REMOVAL

(1) Remove the bolts. (Fig. 9)
(2) Remove the latch striker and the spacer, if equipped.

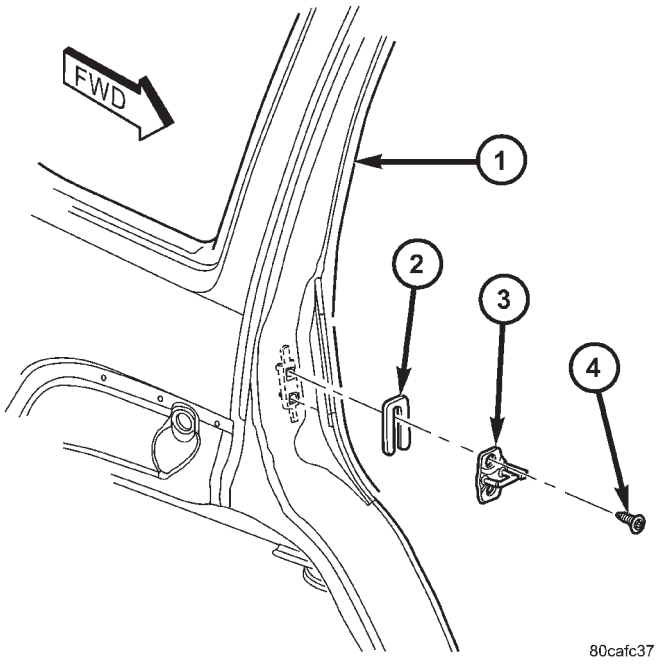


Fig. 9 LATCH STRIKER

1 - C-PILLAR
2 - SPACER
3 - STRIKER
4 - SCREWS

INSTALLATION

(1) Install the striker and spacer.
(2) Install the bolts and tighten to 28 N·m (21 ft. lbs.).
(3) Adjust the door as necessary. (Refer to 23 - BODY/BODY STRUCTURE/GAP AND FLUSH - SPECIFICATIONS)

TRIM PANEL

REMOVAL

(1) Remove the inside handle screw plug and remove the screw. (Fig. 10)
(2) Remove the pull handle screw.
(3) Using a trim stick C-4755 or equivalent, disengage the trim panel clips and remove the trim panel.
(4) Disconnect the electrical connectors and the inside handle actuator rod. (Fig. 11)

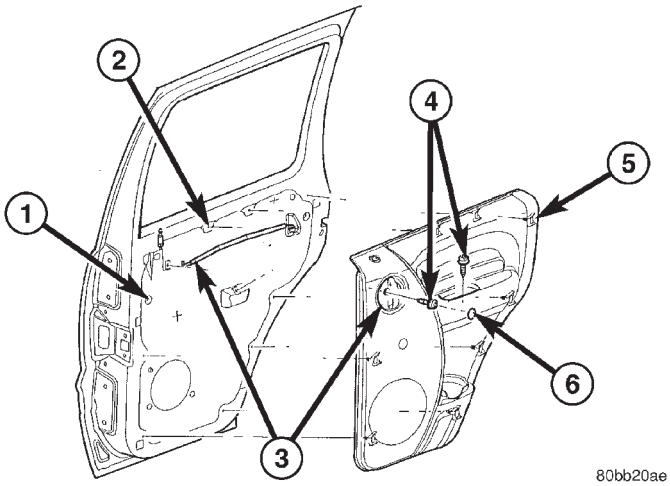


Fig. 10 A REAR TRIM PANEL

1 - WATERDAM
2 - TRIM PANEL CLIP HOLES
3 - INTERIOR HANDLE AND ACTUATOR ROD
4 - SCREWS (2)
5 - TRIM PANEL CLIPS
6 - INTERIOR HANDLE SCREW PLUG

INSTALLATION

(1) Connect the inside handle actuator rod and the electrical connectors.
(2) Position the trim panel and seat the clips fully.
(3) Instal the screws and install the screw plug.

TRIM PANEL (Continued)

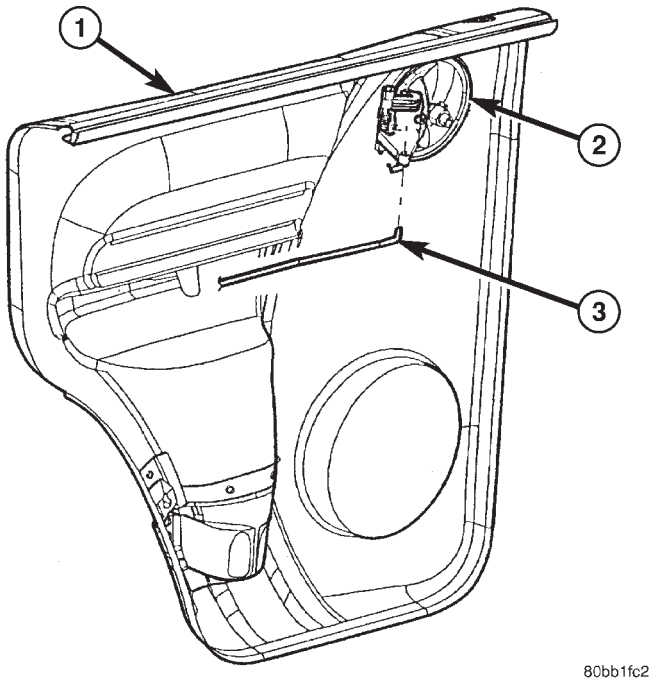


Fig. 11 A REAR DOOR TRIM PANEL CONNECTIONS

1 - TRIM PANEL
2 - INTERIOR LATCH HANDLE
3 - LATCH ACTUATOR ROD

WATERDAM

REMOVAL

(1) Remove the trim panel. (Refer to 23 - BODY/ DOORS - REAR/TRIM PANEL - REMOVAL)
(2) Remove the door speaker.
(3) Peal waterdam away from inner door panel and off of the latch linkages (Fig. 12).

INSTALLATION

(1) Position the wire harness and actuator rods through the holes in the waterdam.
(2) Place waterdam onto the door.
(3) Install the trim panel. (Refer to 23 - BODY/ DOORS - REAR/TRIM PANEL - INSTALLATION)

WINDOW REGULATOR - MANUAL

REMOVAL

(1) Remove the door glass. (Refer to 23 - BODY/ DOORS - REAR/DOOR GLASS - REMOVAL)
(2) Remove the bolts. (Fig. 13)
(3) Disconnect the runout tube clip and remove the regulator.

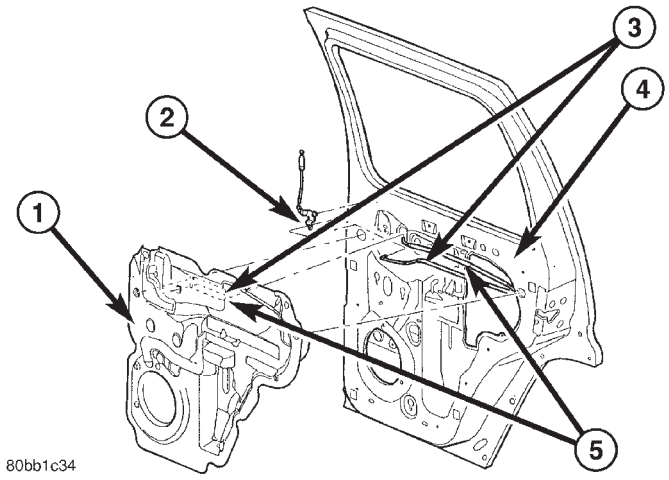


Fig. 12 REAR DOOR WATERDAM

1 - WATERDAM
2 - LOCK ACTUATOR RODS
3 - LOCK ACTUATOR ROD AND HOLES
4 - DOOR
5 - INSIDE HANDLE ACTUATOR ROD AND HOLES

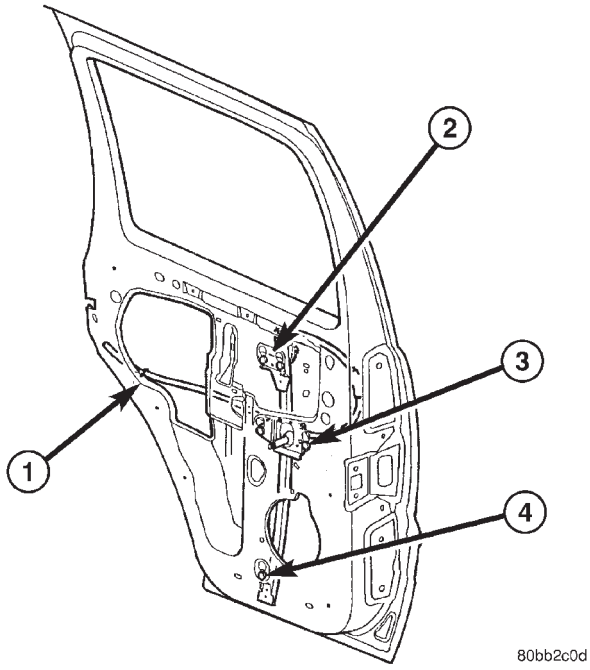


Fig. 13 WINDOW REGULATOR - MANUAL

1 - RUNOUT TUBE CLIP
2 - BOLTS (2)
3 - BOLTS (2)
4 - BOLT (1)

INSTALLATION

(1) Loosely install the bolts onto the regulator assembly.
(2) Install the regulator assembly.

WINDOW REGULATOR - MANUAL (Continued)

(3) Install the runout tube clip.

(4) Tighten the bolts to 9 N·m (80 in. lbs.) using the sequence shown. (Fig. 14)

(5) Install the door glass. (Refer to 23 - BODY/ DOORS - REAR/DOOR GLASS - INSTALLATION)

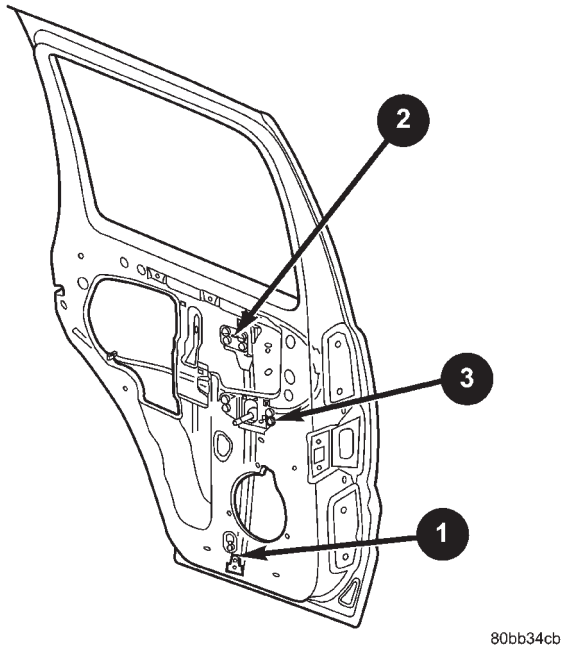


Fig. 14 REGULATOR TIGHTEN SEQUENCE

WINDOW REGULATOR - ELECTRIC

REMOVAL

(1) Remove the door glass. (Refer to 23 - BODY/ DOORS - REAR/DOOR GLASS - REMOVAL)

(2) Remove the bolts. (Fig. 15)

(3) Disconnect the runout tube clip and remove the regulator.

(4) Disconnect the electrical connector.

INSTALLATION

(1) Connect the electrical connector.

(2) Loosely install the bolts onto the regulator assembly.

(3) Install the regulator assembly.

(4) Tighten the bolts to 9 N·m (80 in. lbs.) using the sequence shown. (Fig. 16)

(5) Install the glass. (Refer to 23 - BODY/DOORS - REAR/GLASS RUN CHANNEL - INSTALLATION)

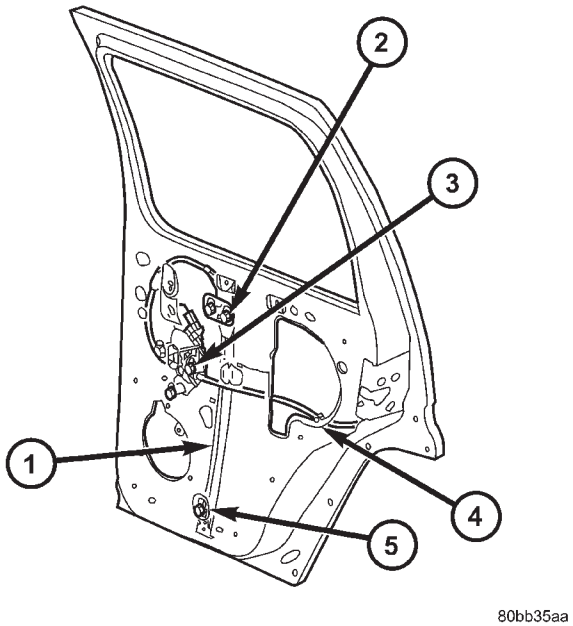


Fig. 15 WINDOW REGULATOR - REAR

1 - REGULATOR ASSEMBLY
2 - BOLTS (2)
3 - BOLTS (2)
4 - RUNOUT TUBE CLIP
5 - BOLT

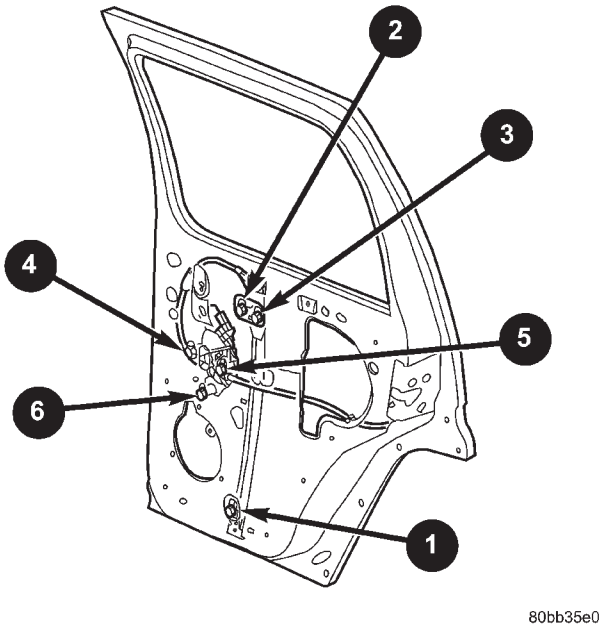


Fig. 16 REGULATOR TIGHTENING SEQUENCE

SWING GATE

TABLE OF CONTENTS

CHECK STRAP

REMOVAL

(1) Remove the swing gate trim panel. (Refer to 23 - BODY/SWING GATE/TRIM PANEL - REMOVAL)

(2) Remove the quarter trim panel. (Refer to 23 - BODY/INTERIOR/QUARTER TRIM PANEL - REMOVAL)

(3) Remove the bolts attaching the check strap to the d-pillar. (Fig. 1)

(4) Peel back the waterdam.

(5) Remove the nuts and remove the check strap from the swing gate.

INSTALLATION

(1) Install the check strap.

(2) Install the nuts and tighten to 10 N·m (89 in. lbs.).

(3) Reposition the waterdam.

(4) Install the trim panel. (Refer to 23 - BODY/SWING GATE/TRIM PANEL - INSTALLATION)

(5) Install the bolts attaching the check strap to the d-pillar and tighten to 11 N·m (8 ft. lbs.).

(6) Install the quarter trim panel. (Refer to 23 - BODY/INTERIOR/QUARTER TRIM PANEL - INSTALLATION)

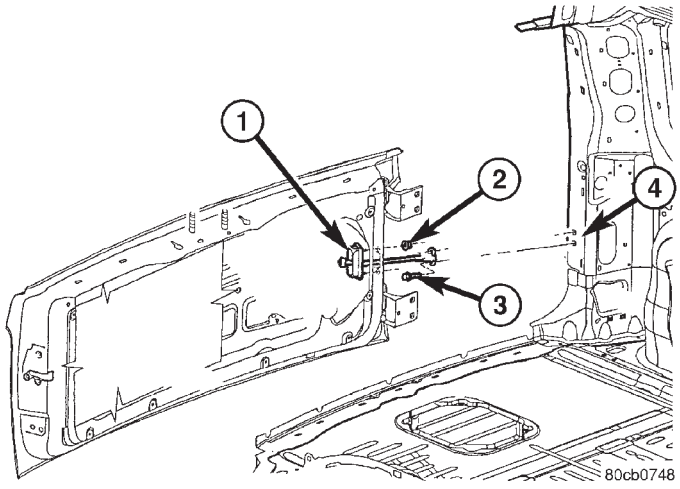


Fig. 1 CHECK STRAP

1 - CHECK STRAP
2 - NUTS (2)
3 - BOLTS (2)
4 - D-PILLAR

EXTERIOR HANDLE

REMOVAL

(1) Remove the trim panel and waterdam. (Refer to 23 - BODY/SWING GATE/TRIM PANEL - REMOVAL)

(2) Disconnect the lock switch and flip-up glass release electrical connectors.

(3) Unclip the threaded clips and disconnect the actuator rods. (Fig. 2)

(4) Remove the screws.

(5) Remove the nuts and remove the handle.

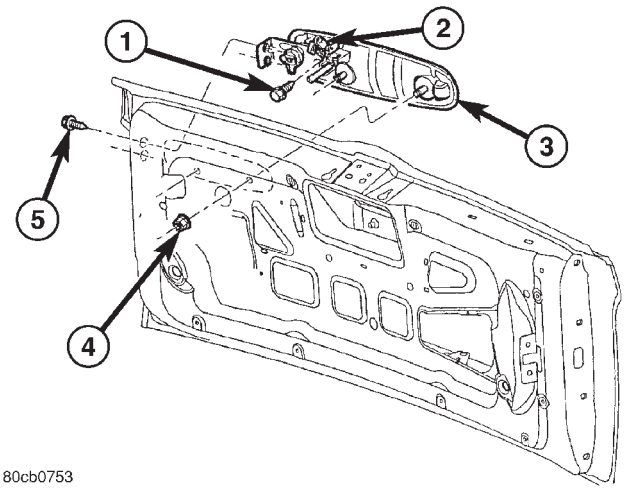


Fig. 2 EXTERIOR HANDLE

1 - LOCK CYLINDER SCREW
2 - LATCH ACTUATOR ROD CONNECTOR
3 - EXTERIOR HANDLE
4 - NUTS (2)
5 - SCREWS (2)

INSTALLATION

(1) Install the handle and hold tightly against the gate and support bracket.

(2) Install the nuts and tighten to 6 N·m (55 in. lbs.).

(3) Install the screws.

(4) Connect the actuator rods and electrical connectors.

(5) Install the trim panel and waterdam. (Refer to 23 - BODY/SWING GATE/TRIM PANEL - INSTALLATION)

FLIP-UP GLASS

REMOVAL

(1) Open the flip-up glass and disconnect the electrical connectors.

(2) Remove the support cylinders. (Refer to 23 - BODY/SWING GATE/FLIP-UP GLASS SUPPORT CYLINDER - REMOVAL)

(3) Open the glass to the full travel with the support cylinders off.

(4) Remove the bolts and remove the glass. (Fig. 3)

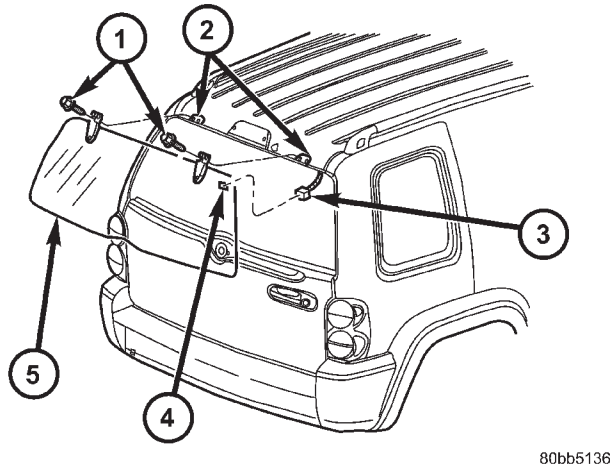


Fig. 3 FLIP-UP GLASS

1 - BOLTS (4)
2 - HINGE MOUNTING HOLES
3 - DEFROSTER WIRE HARNESS
4 - DEFROSTER ELECTRICAL CONNECTOR
5 - FLIPPER GLASS

INSTALLATION

(1) Install the flip-up glass and install the hinge bolts.

(2) Install the support cylinders. (Refer to 23 - BODY/SWING GATE/FLIP-UP GLASS SUPPORT CYLINDER - INSTALLATION)

(3) Connect the electrical connectors.

(4) Adjust flip-up glass fit if necessary and tighten the hinge bolts to 7 N·m (60 in. lbs.). (Refer to 23 - BODY/BODY STRUCTURE/GAP AND FLUSH - SPECIFICATIONS)

FLIP-UP GLASS LATCH

REMOVAL

(1) Remove the trim panel. (Refer to 23 - BODY/SWING GATE/TRIM PANEL - REMOVAL)

(2) Disconnect the electrical connectors. (Fig. 4)

(3) Using a trim stick C-4755 or equivalent, mark the location of the latch assembly for installation.

(4) Remove the nuts and remove the latch assembly.

INSTALLATION

(1) Install the latch assembly.

FLIP-UP GLASS LATCH (Continued)

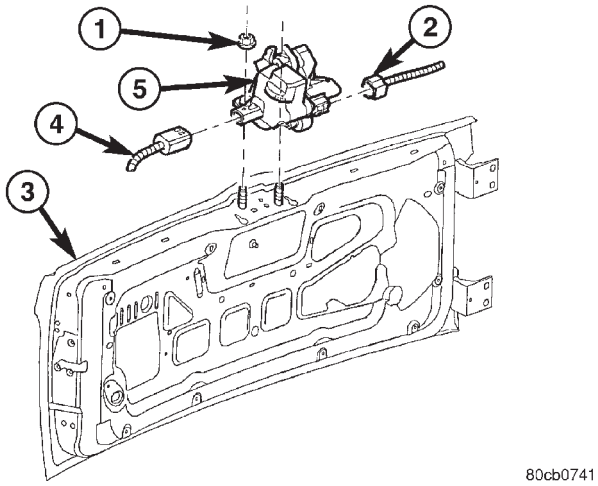


Fig. 4 FLIP-UP GLASS LATCH

1 - NUTS (2)
2 - ELECTRICAL CONNECTOR
3 - SWING GATE
4 - ELECTRICAL CONNECTOR
5 - FLIP-UP GLASS LATCH

(2) Install the nuts and tighten to 12 N·m (9 ft. lbs.).
(3) Connect the electrical connectors.
(4) Install the trim panel. (Refer to 23 - BODY/SWING GATE/TRIM PANEL - INSTALLATION)
(5) Adjust the latch to achieve the best glass fit. (Refer to 23 - BODY/BODY STRUCTURE/GAP AND FLUSH - SPECIFICATIONS)

HINGE

REMOVAL

(1) Remove the swing gate. (Refer to 23 - BODY/SWING GATE/SWING GATE - REMOVAL)
(2) Remove the bolts and remove the hinges.

INSTALLATION

(1) Install the hinges.
(2) Install the bolts and tighten to 31 N·m (23 ft. lbs.).
(3) Install the swing gate. (Refer to 23 - BODY/SWING GATE/ SWING GATE - INSTALLATION)

LATCH

REMOVAL

(1) Remove the trim panel and waterdam. (Refer to 23 - BODY/SWING GATE/TRIM PANEL - REMOVAL)
(2) Disconnect the electrical connector and actuator rod at the threaded clip. (Fig. 5)
(3) Remove the screws and remove the latch.

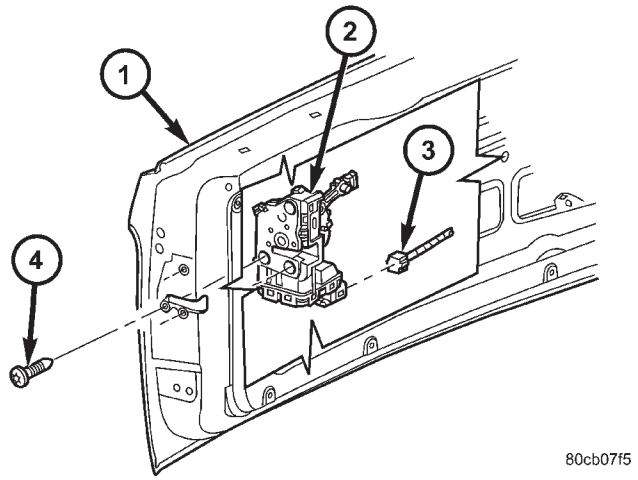


Fig. 5 LATCH

1 - SWING GATE
2 - LATCH ASSEMBLY
3 - ELECTRICAL CONNECTOR
4 - SCREWS

INSTALLATION

(1) Connect the electrical connector and install the latch.
(2) Install the screws and tighten to 11 N·m (8 ft. lbs.).
(3) Connect the actuator rod.
(4) Install the trim panel and waterdam. (Refer to 23 - BODY/SWING GATE/TRIM PANEL - INSTALLATION)

LATCH STRIKER

REMOVAL

(1) Open the gate and remove the screws attaching the striker to the d-pillar.

INSTALLATION

(1) Install the striker and install the nuts.
(2) Tighten the nuts to 28 N·m (21 ft. lbs.).
(3) Adjust the swing gate as necessary. (Refer to 23 - BODY/BODY STRUCTURE/GAP AND FLUSH - SPECIFICATIONS)

LOCK CYLINDER

REMOVAL

(1) Remove the exterior handle. (Refer to 23 - BODY/SWING GATE/EXTERIOR HANDLE - REMOVAL)

LOCK CYLINDER (Continued)

(2) Remove the clip and remove the lock cylinder switch.

(3) Remove the screw and remove the lock cylinder. (Fig. 6)

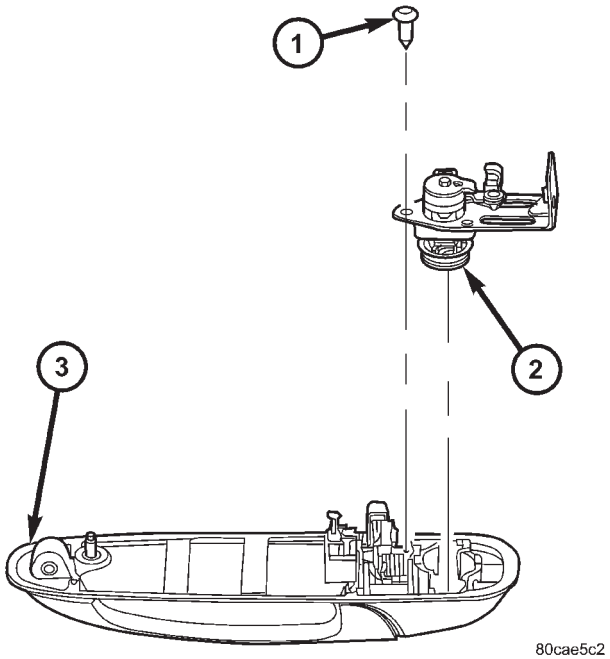


Fig. 6 LOCK CYLINDER

1 - SCREW
2 - LOCK CYLINDER
3 - EXTERIOR HANDLE

INSTALLATION

(1) Install the lock cylinder.

(2) Install the screw and tighten to 6 N·m (50 in. lbs.).

(3) Install the lock cylinder switch and retaining clip.

(4) Install the exterior handle. (Refer to 23 - BODY/SWING GATE/EXTERIOR HANDLE - INSTALLATION)

SWING GATE

REMOVAL

(1) Remove the spare tire. (Refer to 22 - TIRES/WHEELS/TIRES/SPARE TIRE - REMOVAL)

(2) Remove the quarter trim panel. (Refer to 23 - BODY/INTERIOR/QUARTER TRIM PANEL - REMOVAL)

(3) Support the swing gate with a suitable lifting device.

(4) Disconnect the wire harness.

(5) Disconnect the check strap from the d-pillar. (Refer to 23 - BODY/SWING GATE/CHECK STRAP - REMOVAL)

(6) Remove the bolts and remove the swing gate.

INSTALLATION

(1) Install the swing gate and install the bolts.

(2) Tighten the bolts to 31 N·m (23 ft. lbs.).

(3) Adjust the swing gate as needed adding 4 mm on the right side to compensate for sag after the spare tire is installed. (Refer to 23 - BODY/BODY STRUCTURE/GAP AND FLUSH - SPECIFICATIONS)

(4) Connect the wire harness electrical connector.

(5) Connect the check strap. (Refer to 23 - BODY/SWING GATE/CHECK STRAP - INSTALLATION)

(6) Install the quarter trim panel. (Refer to 23 - BODY/INTERIOR/QUARTER TRIM PANEL - INSTALLATION)

(7) Install the spare tire. (Refer to 22 - TIRES/WHEELS/TIRES/SPARE TIRE - INSTALLATION)

TRIM PANEL

REMOVAL

(1) Using a trim stick C-4755 or equivalent, release the push pin fasteners. (Fig. 7)

(2) Lift trim panel up off of the upper trim panel clips

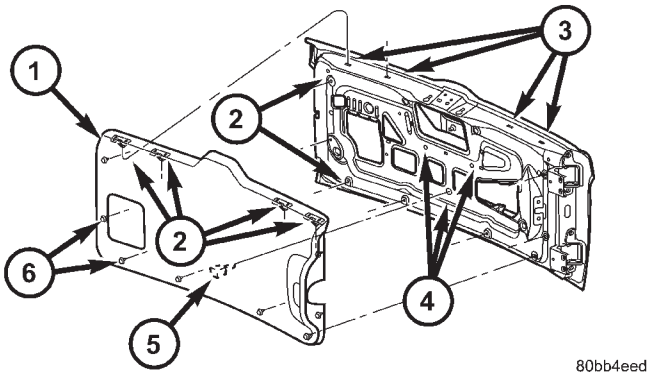


Fig. 7 SWING GATE TRIM PANEL

1 - TRIM PANEL
2 - UPPER TRIM PANEL CLIPS
3 - UPPER TRIM CLIP HOLES
4 - TRIM PANEL LOCATOR HOLES
5 - SWING GATE LOCATOR PINS
6 - PUSH IN FASTENERS

INSTALLATION

(1) Position the trim panel and seat the upper clips.

(2) Fully seat the lower trim panel clips

LATCH - ACCESS PANEL

DESCRIPTION

This panel provides access to the gate latch if gate power fails. The gate can be unlocked by reaching in and pushing the lock lever down.

REMOVAL

(1) Using a trim stick C-4755 or equivalent, remove the access panel.

INSTALLATION

(1) Position and install the access panel.

FLIP-UP GLASS SUPPORT CYLINDER

REMOVAL

(1) Open the flip-up glass and support.
(2) Release the upper and lower clips.
(3) Remove the support cylinder.

INSTALLATION

(1) Install the support cylinder over the ball studs with the thin end connected to the glass.
(2) Install the retaining clips and remove the support from the flip-up glass.

EXTERIOR

TABLE OF CONTENTS

BODY SIDE MOLDINGS

REMOVAL

(1) Using a trim stick C-4755 or equivalent, remove and discard the molding from the outside of the door.

INSTALLATION

(1) Thoroughly clean all residue from the body side molding attachment area of the door.

(2) Wipe area clean with a 50% solution of water and alcohol and wipe dry.

(3) Apply new body side molding using the locators in the door and apply pressure of approximately 40 p.s.i. over the entire surface of the molding.

COWL GRILLE

REMOVAL

(1) Remove the hood seal.

(2) Remove the wiper arms. (Refer to 8 - ELECTRICAL/WIPERS/WASHERS/WIPER ARMS - REMOVAL)

(3) Remove the four plastic retainers and remove the cowl grill.

INSTALLATION

(1) Position the cowl grill and engage the nine clips to the bottom of the windshield.

(2) Install the five plastic retainers.

(3) Install the wiper arms. (Refer to 8 - ELECTRICAL/WIPERS/WASHERS/WIPER ARMS - INSTALLATION)

(4) Install the hood seal.

EXTERIOR NAME PLATES

REMOVAL

NOTE: Exterior nameplates are attached to body panels with adhesive tape.

(1) Apply a length of masking tape on the body, parallel to the top edge of the nameplate to use as a guide, if necessary.

(2) If temperature is below 21°C (70°F) warm emblem with a heat lamp or gun. Do not exceed 52°C (120°F) when heating emblem.

(3) Using a trim stick C-4755 or equivalent, behind the emblem to separate the adhesive backing from the body.

EXTERIOR NAME PLATES (Continued)

(4) Clean adhesive residue from body with MOPAR Super Clean solvent or equivalent.

INSTALLATION

(1) Remove protective cover from adhesive tape on back of emblem.
(2) Position emblem properly on body.
(3) Press emblem firmly to body with palm of hand.
(4) If temperature is below 21°C (70°F) warm emblem with a heat lamp or gun to assure adhesion. Do not exceed 52°C (120°F) when heating emblem.

FRONT FENDER

REMOVAL

(1) Remove the wheel opening splash shield. (Refer to 23 - BODY/EXTERIOR/FRONT WHEELHOUSE SPLASH SHIELD - REMOVAL)
(2) Remove the fascia assembly. (Refer to 13 - FRAME & BUMPERS/BUMPERS/FRONT FASCIA - REMOVAL)
(3) Remove the fender support bracket bolts. (Fig. 1)
(4) Remove the bolts and remove the fender. (Fig. 2)

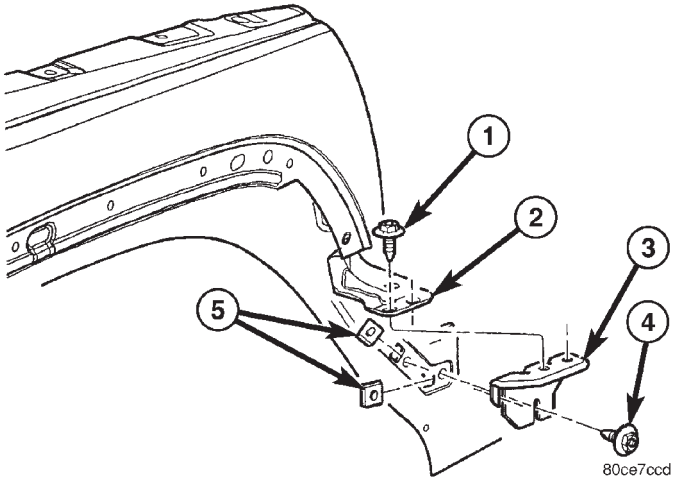


Fig. 1 FENDER SUPPORT BRACKET

1 - FENDER BOLTS (2)
2 - FENDER
3 - FENDER SUPPORT BRACKET
4 - SUPPORT BRACKET BOLTS (2)
5 - U-NUTS (2)

INSTALLATION

(1) Install the fender assembly and install the bolts
(2) Install the fender support bracket and install the bolts.

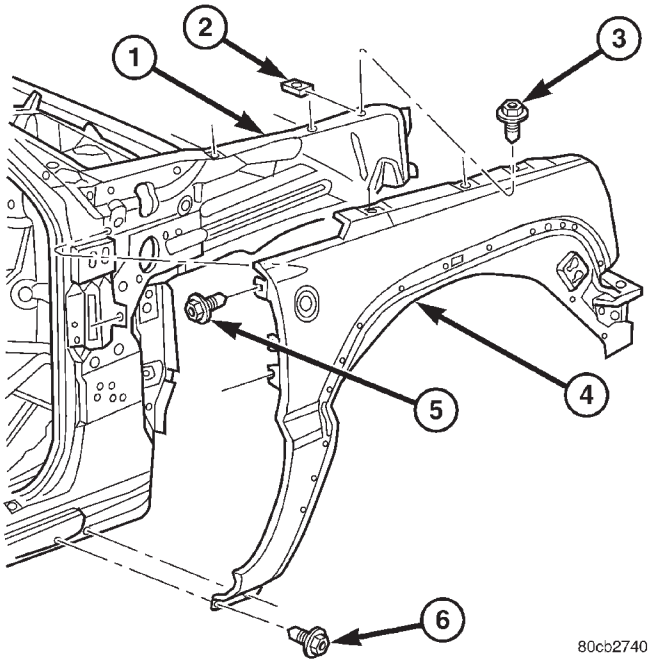


Fig. 2 FRONT FENDER

1 - HYDRAFORM
2 - U-NUTS
3 - BOLTS (3)
4 - FENDER
5 - BOLTS (2)
6 - BOLTS (2)

(3) Align the fender with adjacent body parts and tighten the bolts to 12 N·m (9 ft. lbs.). (Refer to 23 - BODY/BODY STRUCTURE/GAP AND FLUSH - SPECIFICATIONS)
(4) Install the fascia assembly. (Refer to 13 - FRAME & BUMPERS/BUMPERS/FRONT FASCIA - INSTALLATION)
(5) Install the wheelhouse splash shield. (Refer to 23 - BODY/EXTERIOR/FRONT WHEELHOUSE SPLASH SHIELD - INSTALLATION)

FUEL FILL DOOR/HOUSING

REMOVAL

(1) Remove the fuel cap.
(2) Remove the three screws connecting the fuel door/housing to the filler neck.
(3) Reach in through the opening and depress the tabs at the upper and bottom right of the door/housing. (Fig. 3)
(4) Remove the fuel door/housing from the vehicle.

INSTALLATION

(1) Position the fuel filler door/housing into the vehicle and fully seat the tabs.

FUEL FILL DOOR/HOUSING (Continued)

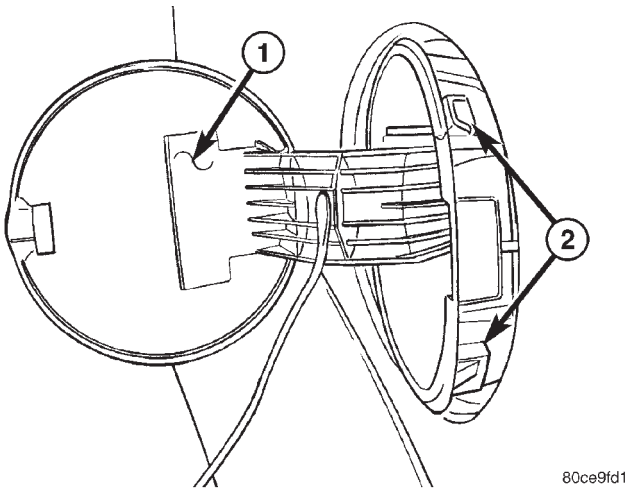


Fig. 3 FUEL FILL DOOR/HOUSING

1 - FUEL FILL DOOR
2 - HOUSING TABS

(2) Install the three screws.
(3) Install the fuel cap.

GRILLE

REMOVAL

(1) Remove the upper screws. (Fig. 4)
(2) Roll the grille forward and disengage the two grille hooks under the headlamp units.
(3) Lift the grille forward and up off of the location tabs at the bottom and remove.

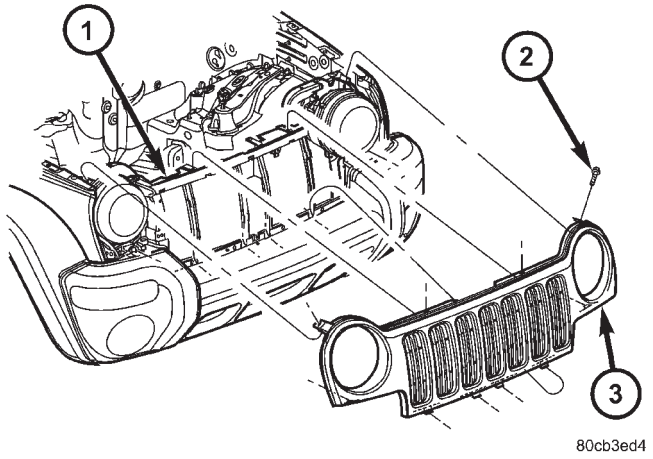


Fig. 4 GRILLE

1 - GRILLE OPENING REINFORCEMENT
2 - SCREWS (4)
3 - GRILLE CLIPS

INSTALLATION

(1) Install the grille onto the locating tabs at the bottom.
(2) Push the grille back and snap into the hooks in the grille opening reinforcement.
(3) Check that the black welts at the outboard ends of the grille have a uniform appearance relative to the fender and install the screws.

GRILLE OPENING REINFORCEMENT

REMOVAL

(1) Remove the grille. (Refer to 23 - BODY/EXTERIOR/GRILLE - REMOVAL)
(2) Remove the front fascia. (Refer to 13 - FRAME & BUMPERS/BUMPERS/FRONT FASCIA - REMOVAL)
(3) Disconnect the electrical connectors. (Fig. 5)
(4) Disconnect the rubber side flap push pin connectors.
(5) Remove the seven bolts and remove the grille opening reinforcement.
(6) Disconnect the headlamp units electrical connectors.
(7) Remove the headlamp units. (Refer to 8 - ELECTRICAL/LAMPS/LIGHTING - EXTERIOR/HEADLAMP UNIT - REMOVAL)

INSTALLATION

(1) Install the headlamp units. (Refer to 8 - ELECTRICAL/LAMPS/LIGHTING - EXTERIOR/HEADLAMP UNIT - INSTALLATION)
(2) Connect the headlamp unit electrical connectors.
(3) Install the grille opening reinforcement and install the seven bolts.
(4) Connect the rubber side flap and install the push pin connectors.
(5) Connect the electrical connectors. (Fig. 5)
(6) Install the front fascia. (Refer to 13 - FRAME & BUMPERS/BUMPERS/FRONT FASCIA - INSTALLATION)
(7) Install the grille. (Refer to 23 - BODY/EXTERIOR/GRILLE - INSTALLATION)

GRILLE OPENING REINFORCEMENT (Continued)

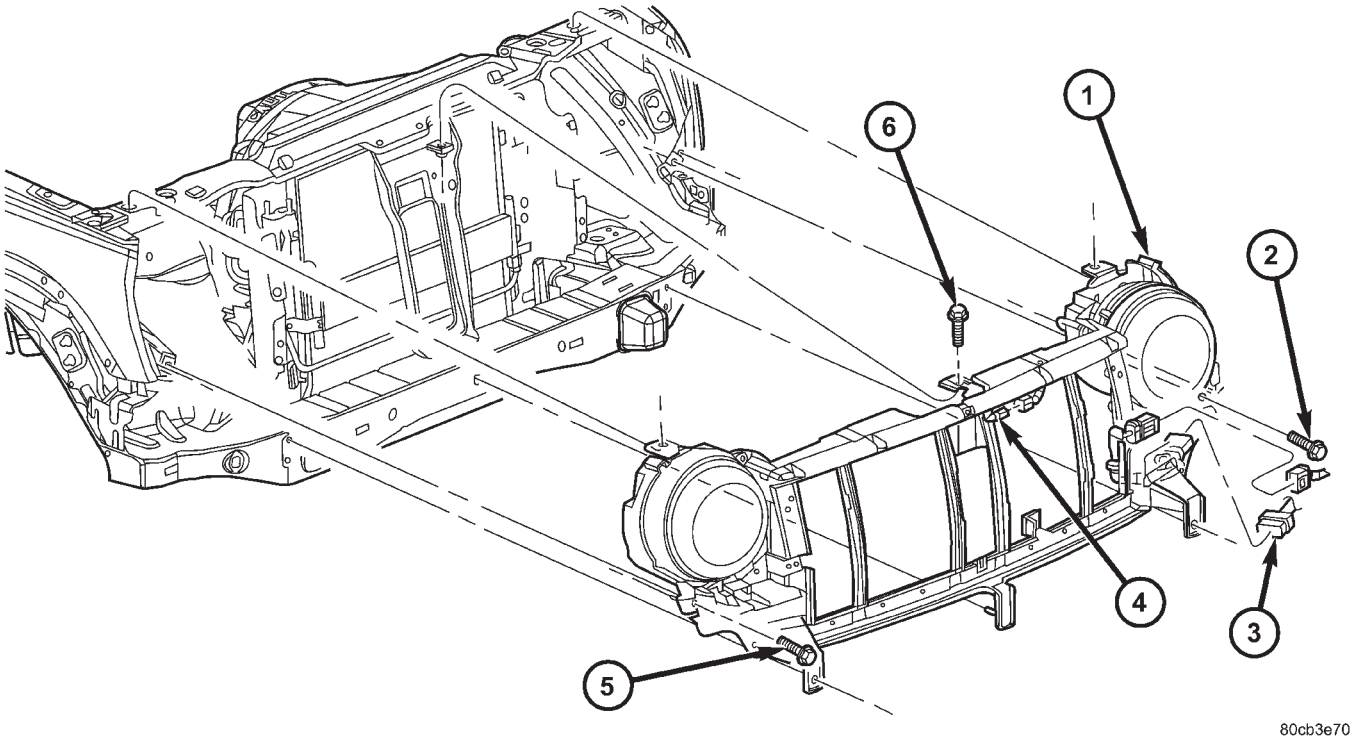


Fig. 5 GRILLE OPENING REINFORCEMENT

1 - GRILLE OPENING REINFORCEMENT
2 - BOLTS (3)
3 - ELECTRICAL CONNECTORS
4 - ELECTRICAL CONNECTOR
5 - BOLTS (3)
6 - BOLT (1)

FRONT WHEELHOUSE SPLASH SHIELD

REMOVAL

(1) Remove the wheel flare molding. (Refer to 23 - BODY/EXTERIOR/FRONT WHEEL OPENING FLARE MOLDING - REMOVAL)

(2) Remove the five push pin fasteners and remove the splash shield. (Fig. 6)

INSTALLATION

(1) Install the splash shield and install the five push pin fasteners.

(2) Install the wheel flare molding. (Refer to 23 - BODY/EXTERIOR/FRONT WHEEL OPENING FLARE MOLDING - INSTALLATION)

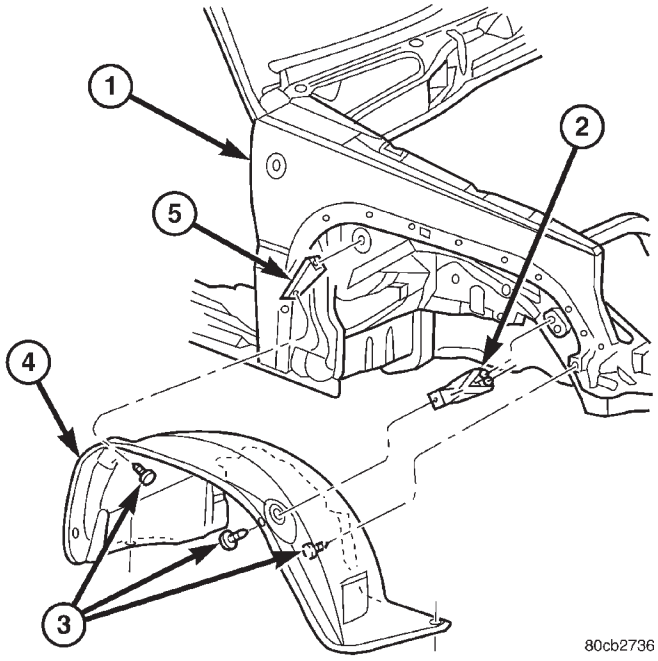


Fig. 6 FRONT WHEELHOUSE SPLASH SHIELD

1 - FENDER
2 - FLARE BRACKET
3 - PUSH PIN FASTENERS (5)
4 - SPLASH SHIELD
5 - FLARE BRACKET

LUGGAGE RACK

REMOVAL

(1) Using a trim stick C-4755 or equivalent, remove the roof rack covers. (Fig. 8)

(2) Remove the bolts and remove the roof rack. (Fig. 7)

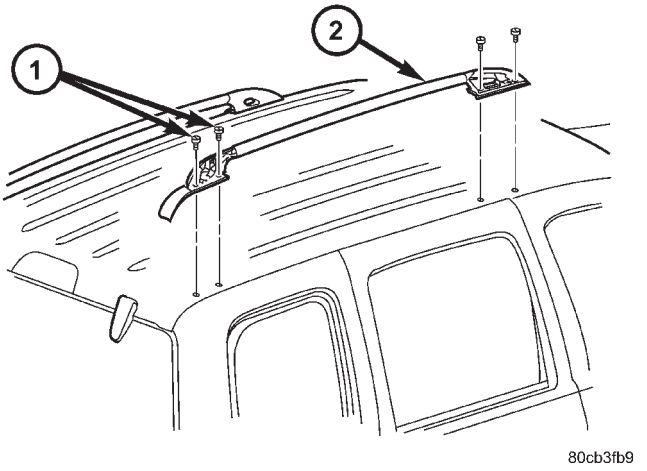


Fig. 7 LUGGAGE RACK

1 - BOLTS (4)
2 - RACK RAIL

INSTALLATION

(1) Install the roof rack and install the bolts.
(2) Tighten the bolts to 8 N·m (75 in. lbs.).
(3) Snap on the roof rack covers.

REAR WHEELHOUSE SPLASH SHIELD

REMOVAL

(1) Remove the wheel flare moldings. (Refer to 23 - BODY/EXTERIOR/REAR WHEEL OPENING FLARE MOLDING - REMOVAL)

(2) Remove the three push pin fasteners and remove the splash shield. (Fig. 9)

INSTALLATION

(1) Install the splash shield and install the three push pin fasteners.

(2) Install the wheel flare moldings. (Refer to 23 - BODY/EXTERIOR/REAR WHEEL OPENING FLARE MOLDING - INSTALLATION)

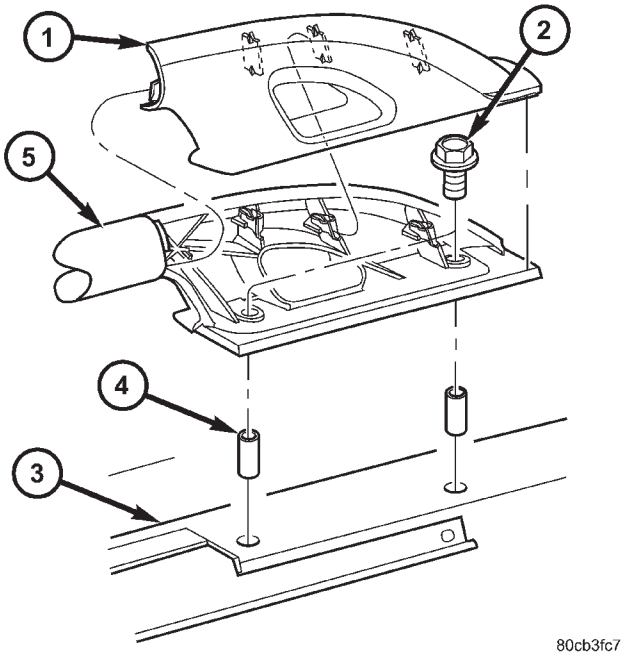


Fig. 8 RACK COVERS

1 - COVER
2 - BOLTS
3 - ROOF PANEL
4 - KNURLED NUT
5 - ROOF RACK

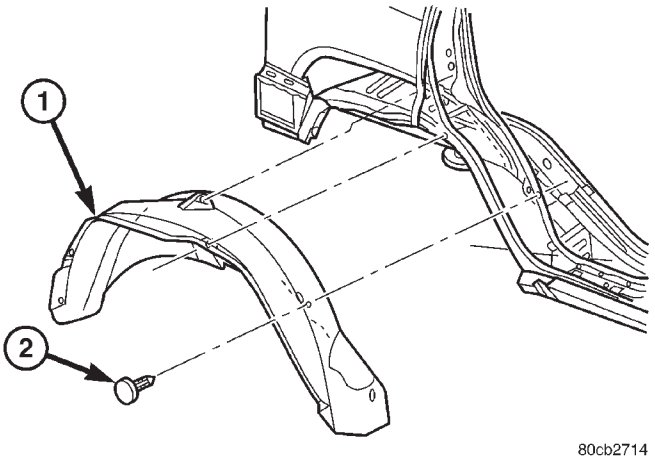


Fig. 9 WHEELHOUSE SPLASH SHIELD

1 - SPLASH SHIELD
2 - PUSH PIN FASTENERS (3)

SIDE VIEW MIRROR

REMOVAL

(1) Remove the trim panel. (Refer to 23 - BODY/ DOOR - FRONT/TRIM PANEL - REMOVAL)

(2) Disconnect the electrical connector. (Fig. 10)

(3) Remove the three nuts and remove the mirror assembly.

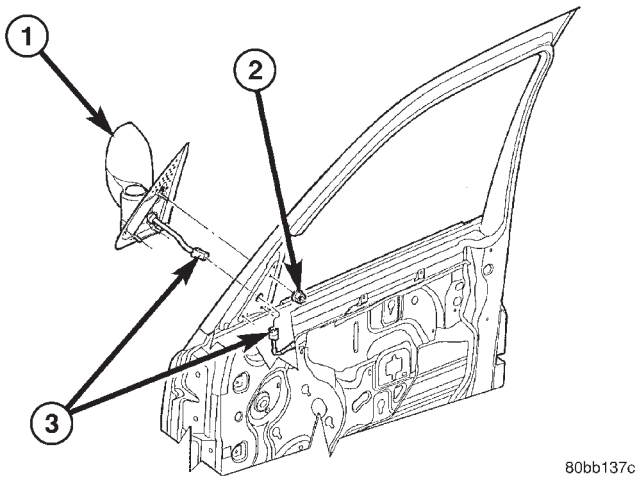


Fig. 10 SIDE VIEW MIRROR

1 - MIRROR ASSEMBLY
2 - NUTS (3)
3 - ELECTRICAL CONNECTOR

INSTALLATION

(1) Install the mirror assembly.

(2) Install the three nuts and tighten to 7 N·m (65 in. lbs.).

(3) Connect the electrical connector.

(4) Install the trim panel. (Refer to 23 - BODY/ DOOR - FRONT/TRIM PANEL - INSTALLATION)

FRONT WHEEL OPENING FLARE MOLDINGS

REMOVAL

(1) Remove the 10 rivets connecting the flare to the splash shield, flare brackets, fascia and air dam. (Fig. 11)

(2) Using a trim stick C-4755 or equivalent, separate the clips attaching the molding to the fascia and fender.

(3) Remove the flare molding.

INSTALLATION

(1) Position flare molding and seat clips into the fascia.

(2) Seat the remaining clips into the fender.

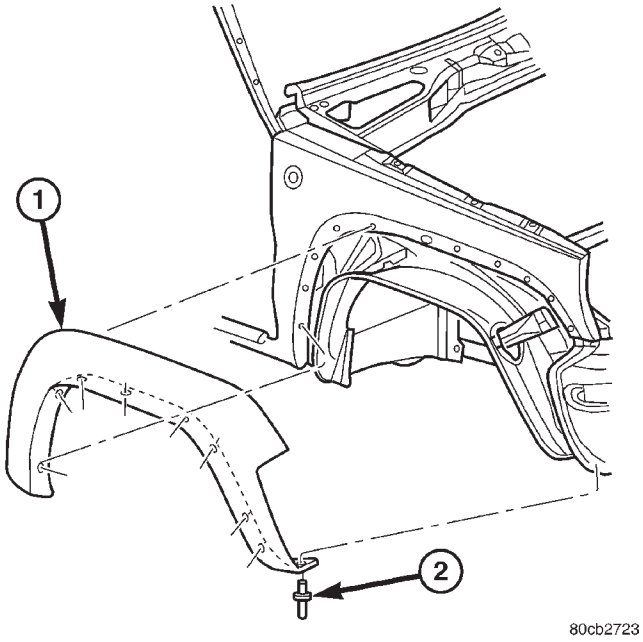


Fig. 11 FRONT WHEEL OPENING FLARE MOLDING

1 - FLARE MOLDING
2 - RIVETS (10)

(3) Install ten new rivets securing the flare molding to the splash shield, flare brackets, fascia and air dam.

REAR WHEEL OPENING FLARE MOLDINGS

REMOVAL

(1) Open the rear door and remove the five rivets from the inside surface of the door. (Fig. 12)

(2) Using a trim stick C-4755 or equivalent, separate the clips attaching the molding to the door and remove the molding.

(3) Remove the 5 rivets from the rear flare and splash shield.

(4) Using a trim stick C-4755 or equivalent, separate the clips attaching the molding to the body and the rear fascia and remove the molding.

(5) Remove the two rivets and remove the flare extension. (Fig. 13)

INSTALLATION

(1) Install the flare extension and install two new rivets.

(2) Position the rear flare molding and seat the clips attaching it to the body and the rear fascia.

(3) Install five new rivets attaching the flare to the splash shield.

REAR WHEEL OPENING FLARE MOLDINGS (Continued)

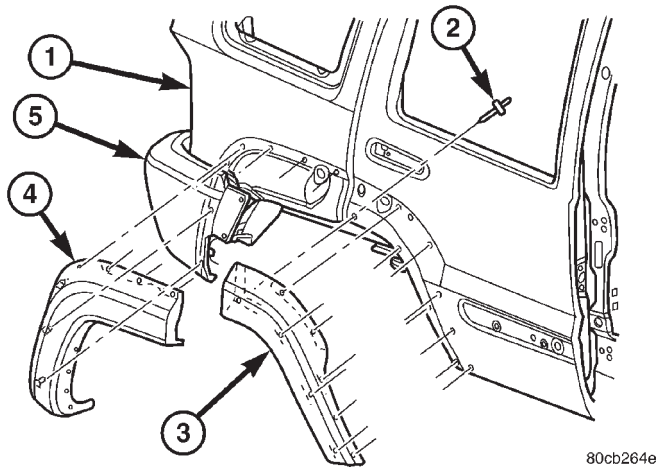


Fig. 12 REAR WHEEL OPENING FLARE MOLDINGS

1 - D-PILLAR
2 - RIVETS (10)
3 - REAR DOOR FLARE MOLDING
4 - REAR FLARE MOLDING
5 - REAR FASCIA

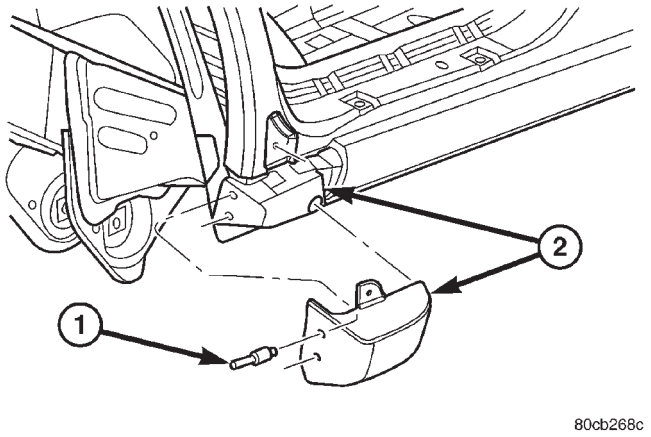


Fig. 13 FLARE EXTENSION

1 - RIVETS (3)
2 - FLARE EXTENSION AND DOOR SILL

(4) Position the door flare and seat the clips.
(5) Install five new rivets through the inside surface of the door attaching the flare to the door.

RADIATOR CROSSMEMBER

REMOVAL

(1) Remove the grille. (Refer to 23 - BODY/EXTERIOR/GRILLE - REMOVAL)
(2) Remove the hood latch. (Refer to 23 - BODY/HOOD/LATCH - REMOVAL)
(3) Remove the bolt securing the washer bottle to the crossmember.
(4) Remove the bolts and remove the hood latch support. (Fig. 14)
(5) Remove the bolts and remove the crossmember.

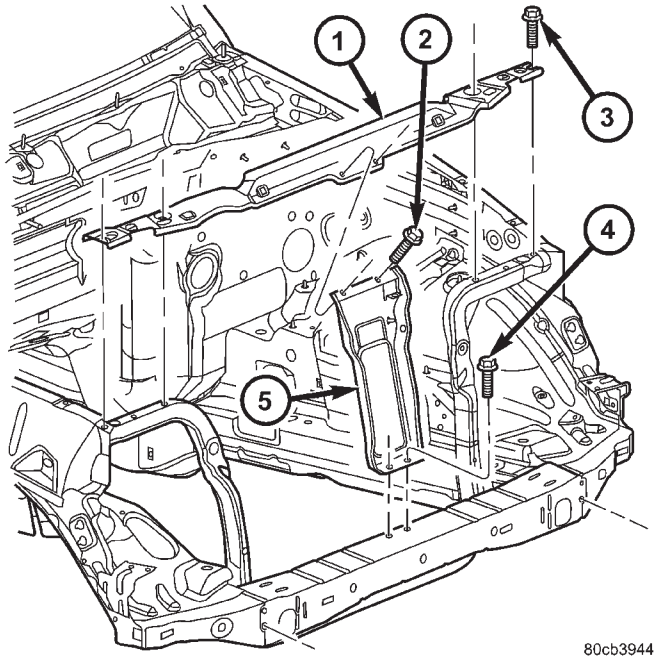


Fig. 14 RADIATOR CROSSMEMBER

1 - CROSSMEMBER
2 - BOLTS (2)
3 - BOLTS (4)
4 - BOLTS (2)
5 - HOOD LATCH SUPPORT

INSTALLATION

(1) Install the crossmember and install the bolts.
(2) Tighten the bolts to 10 N·m (85 in. lbs.).
(3) Install the hood latch support and install the bolts.
(4) Tighten the bolts to 10 N·m (85 in. lbs.).
(5) Install the hood latch. (Refer to 23 - BODY/HOOD/LATCH - INSTALLATION)
(6) Install the grille. (Refer to 23 - BODY/EXTERIOR/GRILLE - INSTALLATION)
(7) Install the bolt securing the washer bottle to the crossmember and tighten to 10 N·m (85 in. lbs.).

INSTRUMENT PANEL

TABLE OF CONTENTS

CLUSTER BEZEL

REMOVAL

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Remove the drives side trim bezels. (Refer to 23 - BODY/INSTRUMENT PANEL/INSTRUMENT PANEL DRIVER SIDE BEZEL - REMOVAL)
(2) Remove the instrument panel top cover. (Refer to 23 - BODY/INSTRUMENT PANEL/INSTRUMENT PANEL TOP COVER - REMOVAL)
(3) Remove the seven screws and remove the cluster bezel.

INSTALLATION

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Install the cluster bezel and the seven screws.
(2) Install the instrument panel top cover. (Refer to 23 - BODY/INSTRUMENT PANEL/INSTRUMENT PANEL TOP COVER - INSTALLATION)
(3) Install the drives side trim bezels. (Refer to 23 - BODY/INSTRUMENT PANEL/INSTRUMENT PANEL DRIVER SIDE BEZEL - INSTALLATION)

GLOVE BOX

REMOVAL

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Open the glove box.
(2) Squeeze the stop tabs located on the sides of the box and allow the box to open fully.
(3) With box in the full down position slide the box to the right off of the hinges and remove.

INSTALLATION

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Position the box on and slide the box to the left to engage the hinges.
(2) Close the glove box.

GLOVE BOX LATCH

REMOVAL

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Remove the glove box. (Refer to 23 - BODY/INSTRUMENT PANEL/GLOVE BOX - REMOVAL)
(2) Remove the nine screws and remove the glove box skin.
(3) Remove the latch from the locators.

INSTALLATION

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Position the latch onto the locators.
(2) Install the glove box skin onto the glove box and install the nine screws.
(3) Install the glove box. (Refer to 23 - BODY/INSTRUMENT PANEL/GLOVE BOX - INSTALLATION)

GLOVE BOX LATCH STRIKER

REMOVAL

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

GLOVE BOX LATCH STRIKER (Continued)

(1) Open the glove box.
(2) Remove the two striker screws and remove the latch striker.

INSTALLATION

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Install the striker and install the two screws.
(2) Loosen the screws to adjust if necessary.

INSTRUMENT PANEL ASSEMBLY

REMOVAL

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

NOTE: Before starting this procedure, be certain to turn the steering wheel until the front wheels are in the straight-ahead position.

(1) Disconnect and isolate the battery negative cable.
(2) Remove the instrument panel top cover. (Refer to 23 - BODY/INSTRUMENT PANEL/INSTRUMENT PANEL TOP COVER - REMOVAL)
(3) Remove the speakers.
(4) Remove the floor console. (Refer to 23 - BODY/INTERIOR/FLOOR CONSOLE - REMOVAL)
(5) Remove the radio. (Refer to 8 - ELECTRICAL/AUDIO/RADIO - REMOVAL)
(6) Remove the four nuts and remove the center support bracket. (Fig. 6)
(7) Remove the steering column. (Refer to 19 - STEERING/COLUMN - REMOVAL)
(8) Remove the drivers side cowl trim cover. (Refer to 23 - BODY/INTERIOR/COWL TRIM COVER - REMOVAL)
(9) Disconnect the wire harness connector behind the drivers side cowl trim cover.
(10) Disconnect the green and light blue wire harness bulk connectors at the junction block. (Fig. 1)

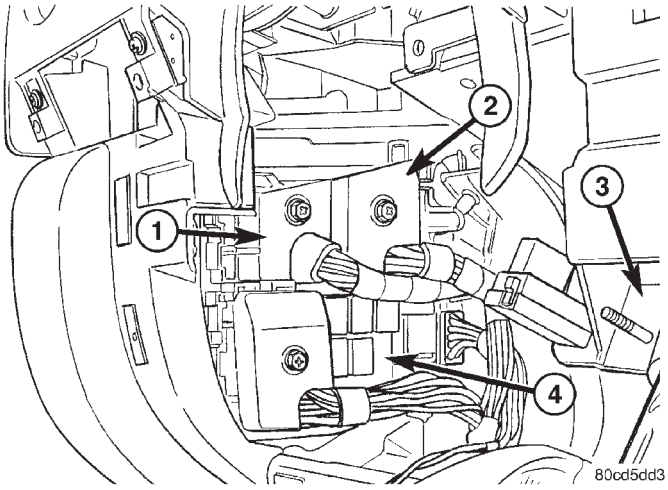


Fig. 1 JUNCTION BLOCK CONNECTORS

1 - ELECTRICAL CONNECTOR
2 - ELECTRICAL CONNECTOR
3 - PEDAL SUPPORT BRACKET
4 - JUNCTION BLOCK

(11) Disconnect the electrical connector at the inner side of the pedal support bracket. (Fig. 2)
(12) Remove the two bolts at the front of the pedal support bracket. (Fig. 2)
(13) Remove the two bolts from the bottom side of the pedal support bracket. (Fig. 2)

INSTRUMENT PANEL ASSEMBLY (Continued)

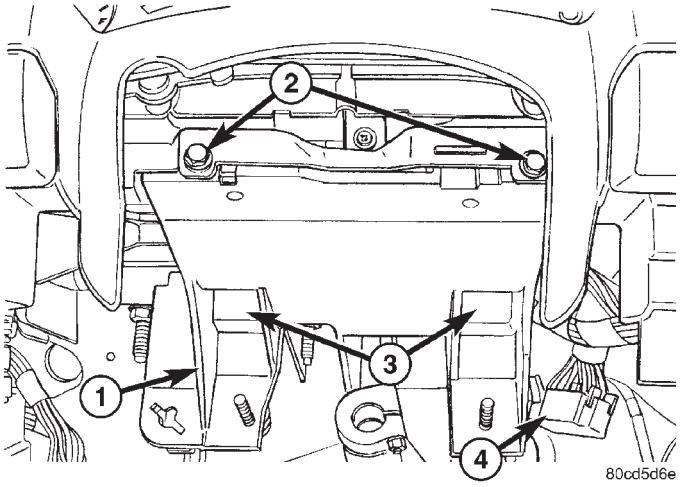


Fig. 2 PEDAL SUPPORT BRACKET

1 - PEDAL SUPPORT BRACKET
2 - BOLTS
3 - BOLTS
4 - ELECTRICAL CONNECTOR

(14) Remove the two roll down bracket bolts at the left cowl side panel. (Fig. 6)

(15) Remove the ground strap bolt and disconnect the restraint module electrical connector. (Fig. 3)

(16) Remove the glove box. (Refer to 23 - BODY/INSTRUMENT PANEL/GLOVE BOX - REMOVAL)

(17) Remove the two HVAC mounting bolts behind the center trim. (Fig. 3)

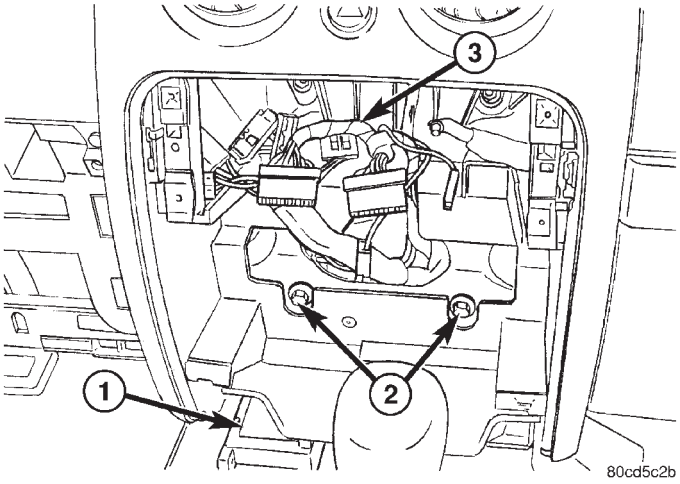


Fig. 3 HVAC BOLTS

1 - RESTRAINT MODULE
2 - HVAC BOLTS
3 - RADIO WIRE HARNESS

(18) Remove the passenger side trim bezel. (Refer to 23 - BODY/INSTRUMENT PANEL/IP PASSENGER SIDE BEZEL - REMOVAL)

(19) Remove the HVAC mounting bolt above the glove box striker. (Fig. 4)

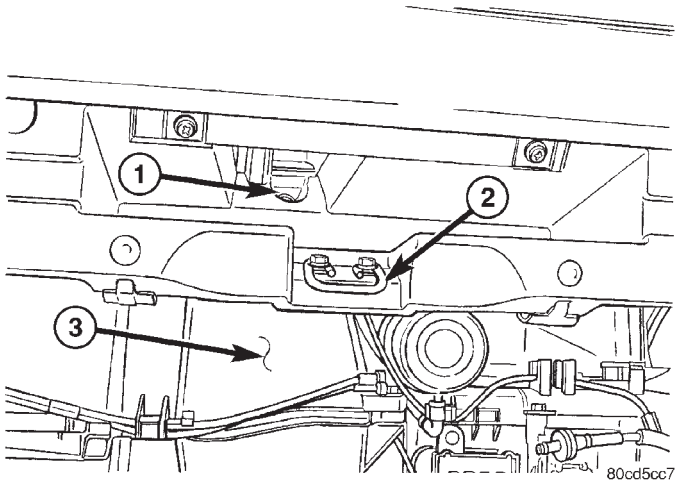


Fig. 4 HVAC UPPER BOLT

1 - BOLT
2 - GLOVE BOX STRIKER
3 - HVAC UNIT

(20) Remove the HVAC bolt at the lower outside corner of the glove box opening. (Fig. 5)

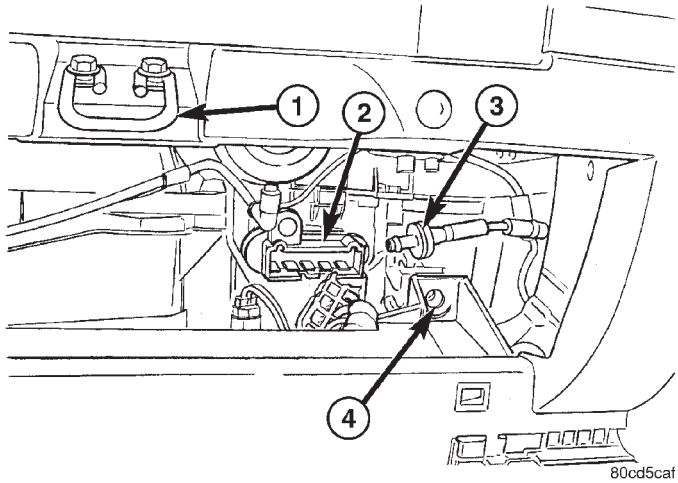


Fig. 5 HVAC CONNECTIONS

1 - GLOVE BOX STRIKER
2 - BLOWER RESISTOR
3 - VACUUM CHECK VALVE
4 - BOLT

(21) Remove the passenger side cowl trim cover. (Refer to 23 - BODY/INTERIOR/COWL TRIM COVER - REMOVAL)

(22) Disconnect the blower resistor electrical connector. (Fig. 5)

(23) Remove the two roll down bracket bolts at the right cowl side panel.

INSTRUMENT PANEL ASSEMBLY (Continued)

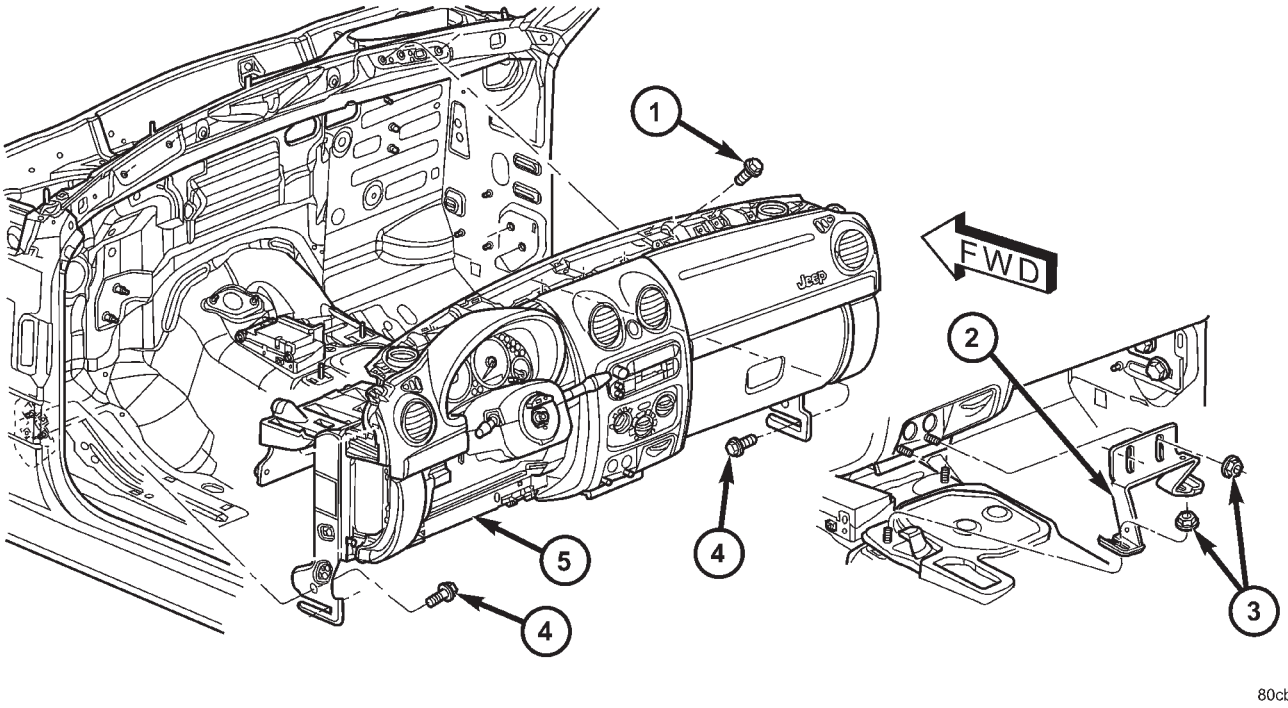


Fig. 6 INSTRUMENT PANEL ASSEMBLY

1 - TOP BOLTS (4)
2 - CENTER SUPPORT BRACKET
3 - NUTS (4)
4 - ROLL DOWN BOLTS (4)
5 - INSTRUMENT PANEL ASSEMBLY

(24) Disconnect the vacuum check valve and the vacuum reservoir. (Fig. 5)

(25) Disconnect the blower motor electrical connector.

(26) Remove the four bolts at the top of the instrument panel connecting to the cowl front panel.

(27) Roll the instrument panel rearward and remove the wire harness from routing channel in the rear.

(28) Disconnect the push pin fastener and position aside the radio wire harness. Note the location of the harness for installation.

(29) Remove the instrument panel.

INSTALLATION

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Position the instrument panel into the vehicle.

(2) Position the wire harness into the rear routing channel and roll the instrument panel back against the cowl.

(3) Position the radio wire harness and seat the push pin fastener.

NOTE: Position the speaker wires through the speaker openings.

(4) Install the four bolts at the top of the instrument panel connecting to the cowl front panel and tighten to 28 N·m (21 ft. lbs.).

(5) Connect the blower motor electrical connector.

(6) Connect the vacuum check valve and the vacuum reservoir.

(7) Connect the blower resister electrical connector.

NOTE: Do not push or pull bracket. Tighten at the rest position.

(8) Install the two roll down bracket bolts at the right cowl side panel and tighten to 54 N·m (40 ft. lbs.).

(9) Install the HVAC mounting bolt at the lower outside corner of the glove box opening and tighten to 6 N·m (55 in. lbs.).

(10) Install the HVAC mounting bolt above the glove box striker.

(11) Install the passenger side trim bezel. (Refer to 23 - BODY/INSTRUMENT PANEL/INSTRUMENT PANEL PASSENGER SIDE BEZEL - INSTALLATION)

(12) Install the passenger side cowl trim cover. (Refer to 23 - BODY/INTERIOR/COWL TRIM COVER - INSTALLATION)

(13) Install the glove box. (Refer to 23 - BODY/INSTRUMENT PANEL/GLOVE BOX - INSTALLATION)

NOTE: Do not push or pull bracket. Tighten at the rest position.

(14) Install the two roll down bracket bolts at the drivers cowl side panel and tighten to 54 N·m (40 ft. lbs.).

(15) Install the two bolts at the bottom side of the pedal support bracket.

(16) Install the two bolts at the front of the pedal support bracket.

(17) Connect the electrical connector at the inner side of the pedal support bracket.

(18) Connect the wiring harness electrical connectors at the junction block.

(19) Connect the wire harness electrical connector behind the drivers side cowl trim cover.

(20) Install the left cowl trim cover. (Refer to 23 - BODY/INTERIOR/COWL TRIM COVER - INSTALLATION)

(21) Install the steering column. (Refer to 19 - STEERING/COLUMN - INSTALLATION)

(22) Install the two HVAC mounting bolts behind the center trim.

(23) Install the ground strap and bolt and connect the restraint module electrical connector.

(24) Install the center support bracket and hold it tight against the instrument panel.

(25) Tighten the lower nuts to 23 N·m (17 ft. lbs.).

(26) Tighten the upper bracket nuts to 23 N·m (17 ft. lbs.).

(27) Install the radio. (Refer to 8 - ELECTRICAL/AUDIO/RADIO - INSTALLATION)

(28) Install the floor console. (Refer to 23 - BODY/INTERIOR/FLOOR CONSOLE - INSTALLATION)

(29) Install the speakers.

(30) Install the instrument panel top cover. (Refer to 23 - BODY/INSTRUMENT PANEL/INSTRUMENT PANEL TOP COVER - INSTALLATION)

(31) Reconnect the battery ground cable.

INSTRUMENT PANEL TOP COVER

REMOVAL

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Remove the a-pillar trim. (Refer to 23 - BODY/INTERIOR/A-PILLAR TRIM AND GRAB HANDLE - REMOVAL)

(2) Using a trim stick C-4755 or equivalent, release the attachment clips and remove the top cover. (Fig. 7)

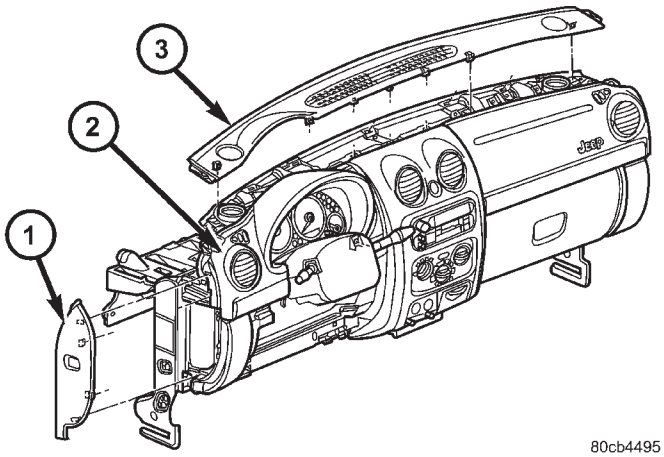


Fig. 7 INSTRUMENT PANEL COVERS

1 - SIDE COVER
2 - INSTRUMENT PANEL ASSEMBLY
3 - TOP COVER

INSTRUMENT PANEL TOP COVER (Continued)

INSTALLATION

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Position the top cover and seat the clips fully.
(2) Install the a-pillar trim panels. (Refer to 23 - BODY/INTERIOR/A-PILLAR TRIM AND GRAB HANDLE - INSTALLATION)

INSTRUMENT PANEL END CAP

REMOVAL

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Open the door.
(2) Using the finger indent, grasp and remove the side cover. (Fig. 7)

INSTALLATION

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Position the side panels and seat the clips fully.

INSTRUMENT PANEL DRIVER SIDE BEZELS

REMOVAL

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Using a trim stick C-4755 or equivalent, disengage the bezels on either side of the steering column. (Fig. 8)

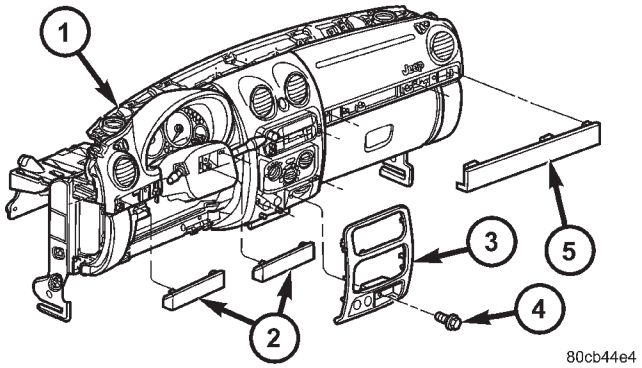


Fig. 8 INSTRUMENT PANEL TRIM BEZELS

1 - INSTRUMENT PANEL
2 - DRIVERS SIDE TRIM BEZELS
3 - CENTER TRIM BEZEL
4 - SCREW
5 - PASSENGER SIDE TRIM BEZEL

INSTRUMENT PANEL DRIVER SIDE BEZELS (Continued)

INSTALLATION

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Position the appropriate divers side bezels on either side of the steering column and seat the attachment clips.

INSTRUMENT PANEL CENTER BEZEL

REMOVAL

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Remove the ashtray and remove the screw.
(2) Using a trim stick C-4755 or equivalent, remove the center bezel from the instrument panel assembly. (Fig. 8)
(3) Disconnect the electrical and vacuum connectors.

INSTALLATION

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Connect the electrical and vacuum connectors.
(2) Position the center bezel and seat the retaining clips starting with the lower clips first.
(3) Install the screw and install the ash tray.

INSTRUMENT PANEL PASSENGER SIDE BEZEL

REMOVAL

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Remove the two screws.
(2) Using a trim stick C-4755 or equivalent, release the retaining clips and remove the passenger side bezel. (Fig. 8)

INSTALLATION

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Position the passenger side bezel and seat the retaining clips.
(2) Install the two screws.

KNEE BLOCKER

REMOVAL

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

CAUTION: Do not pry the knee blocker off at the cover. Failure to follow these instructions may result in damage to the knee blocker.

(1) At the label located on the lower instrument panel cross member, place a trim stick C-4755 or equivalent, approximately 25 mm (1 in.) up directly behind the lower edge of the knee blocker.
(2) Release the lower clips and pull off the knee blocker.

INSTALLATION

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, DISABLE THE AIRBAG SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, SEAT BELT TENSIONER, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE AIRBAG SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE AIRBAG SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

(1) Position the knee blocker aligning attachment clips.
(2) Pressing close to the attachment clips, fully seat the lower and then the upper clips.

INTERIOR

TABLE OF CONTENTS

4WD FLOOR SHIFT BOOT

REMOVAL

(1) Remove the shift lever and remove the boot from the lever. (Refer to 21 - TRANSMISSION/ TRANSAXLE/TRANSFER CASE/SHIFT LEVER - REMOVAL)

INSTALLATION

(1) Install the shift boot onto the shift lever and install the lever. (Refer to 21 - TRANSMISSION/ TRANSAXLE/TRANSFER CASE/SHIFT LEVER - INSTALLATION)

A-PILLAR TRIM AND GRAB HANDLE

REMOVAL

(1) Using a small pry tool or equivalent, remove the grab handle trim plugs.
(2) Remove the two grab handle screws.
(3) Remove the grab handle and a-pillar trim from the a-pillar.

INSTALLATION

(1) Snap a-pillar trim and grab handle into the a-pillar.
(2) Install the two screws and install the grab handle trim plugs.

COWL TRIM COVER

REMOVAL

(1) Remove the lower b-pillar trim. (Refer to 23 - BODY/INTERIOR/B-PILLAR LOWER TRIM - REMOVAL)

(2) Remove the cowl trim cover by pulling it away from the a-pillar and releasing the clips.

INSTALLATION

(1) Install the cowl trim cover and seat the retaining clips.

(2) Install the lower b-pillar trim. (Refer to 23 - BODY/INTERIOR/B-PILLAR LOWER TRIM - INSTALLATION)

DOOR SILL SCUFF PLATE

REMOVAL

(1) Using a trim stick C-4755 or equivalent, pry up the scuff plate releasing the retaining clips.

INSTALLATION

(1) Position the scuff plate and seat the retaining clips.

ASSIST HANDLE

REMOVAL

(1) Using a small pry tool or equivalent, release the assist handle by prying out the clips at either end. (Fig. 1)

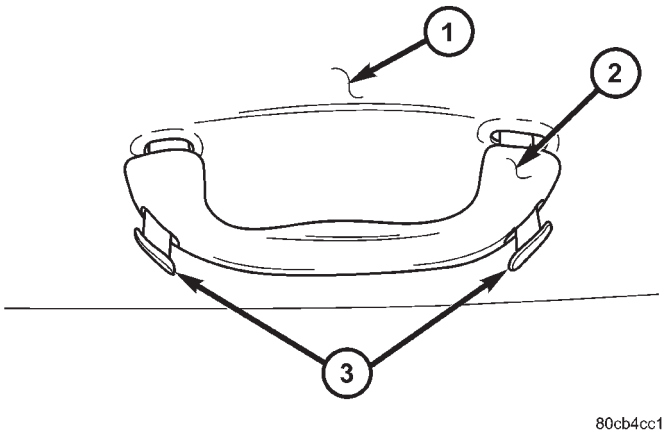


Fig. 1 ASSIST HANDLE

1 - HEADLINER
2 - ASSIST HANDLE
3 - RETAINING CLIPS

INSTALLATION

(1) Position the assist handle and seat the retaining clips.

B-PILLAR LOWER TRIM

REMOVAL

(1) Using a trim stick C-4755 or equivalent, pry up the trim panel, releasing the retaining clips. (Fig. 2)

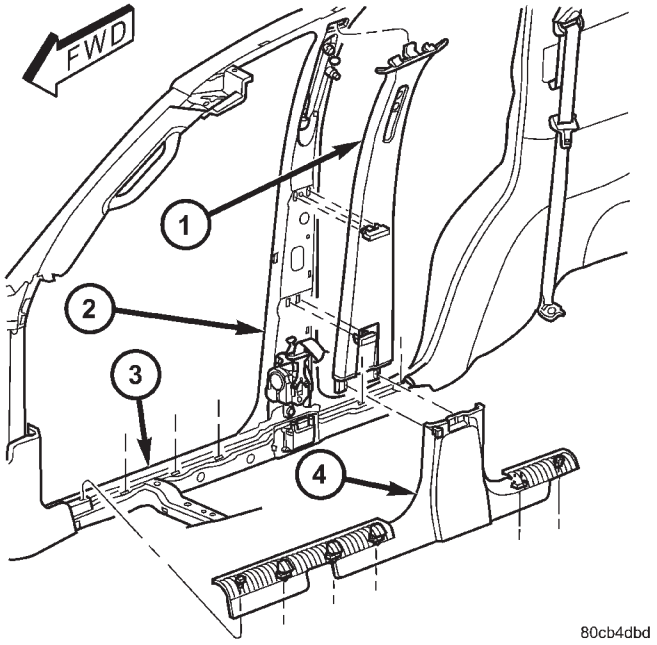


Fig. 2 B-PILLAR TRIM PANELS

1 - UPPER B-PILLAR TRIM
2 - B-PILLAR
3 - DOOR SILL
4 - LOWER B-PILLAR

INSTALLATION

(1) Position the trim panel and seat the retaining clips.

B-PILLAR UPPER TRIM

REMOVAL

(1) Remove the lower b-pillar trim panel. (Refer to 23 - BODY/INTERIOR/B-PILLAR LOWER TRIM - REMOVAL)

(2) Remove the shoulder belt turning loop. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT & RETRACTOR - REMOVAL)

(3) Using a trim stick C-4755 or equivalent, release the trim retaining clips and remove. (Fig. 2)

B-PILLAR UPPER TRIM (Continued)

INSTALLATION

(1) Position the trim panel and seat the retaining clips.
(2) Install the seat belt turning loop. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT & RETRACTOR - INSTALLATION)
(3) Install the b-pillar lower trim panel. (Refer to 23 - BODY/INTERIOR/B-PILLAR LOWER TRIM - INSTALLATION)

CARPETS AND FLOOR MATS

REMOVAL

Front Carpet

(1) Remove front seats. (Refer to 23 - BODY/SEATS/SEAT - FRONT - REMOVAL)
(2) Remove the floor console. (Refer to 23 - BODY/INTERIOR/FLOOR CONSOLE - REMOVAL)
(3) Remove the rear seats. (Refer to 23 - BODY/SEATS/SEAT - REAR - REMOVAL)
(4) Remove the cowl trim panels. (Refer to 23 - BODY/INTERIOR/COWL TRIM COVER - REMOVAL)
(5) Remove the b-pillar lower trim. (Refer to 23 - BODY/INTERIOR/B-PILLAR LOWER TRIM - REMOVAL)
(6) Remove the jack assembly.
(7) Remove the carpet.

Rear Cargo Carpet

(1) Remove the rivets attaching the cargo hooks to the floor.
(2) Remove the carpet.

INSTALLATION

Front Carpet

(1) Install the carpet.
(2) Install the jack assembly.
(3) Install the b-pillar lower trim. (Refer to 23 - BODY/INTERIOR/B-PILLAR LOWER TRIM - INSTALLATION)
(4) Install the cowl trim panels. (Refer to 23 - BODY/INTERIOR/COWL TRIM COVER - INSTALLATION)
(5) Install the rear seats. (Refer to 23 - BODY/SEATS/SEAT - REAR - INSTALLATION)
(6) Install the floor console. (Refer to 23 - BODY/INTERIOR/FLOOR CONSOLE - INSTALLATION)
(7) Install the front seats. (Refer to 23 - BODY/SEATS/SEAT - FRONT - INSTALLATION)

Rear Cargo Carpet

(1) Install the carpet and slide under the trim panels.
(2) Install new rivets securing the carpet and cargo hooks to the floor.

SHIFT BEZEL

REMOVAL

(1) Using a trim stick C-4755 or equivalent, pry shift bezel out of the floor console.

INSTALLATION

(1) Position the shift bezel and seat the retaining clips into the floor console.

FLOOR CONSOLE

REMOVAL

(1) Remove the shift bezel, if equipped. (Refer to 23 - BODY/INTERIOR/SHIFT BEZEL - REMOVAL)
(2) Set park brake lever in the up position.
(3) Using a trim stick C-4755 or equivalent, disconnect the manual trans shifter boot, if equipped.
(4) Using a trim stick C-4755 or equivalent, disconnect the transfer case shifter boot, if equipped.
(5) Remove the four bolts. (Fig. 3)
(6) Lift the console at the back and remove.

INSTALLATION

(1) Position the front of the console and lower the rear over the shifter and brake levers.
(2) Install the bolts.
(3) Install the shift boots and seat the retainer clips.
(4) Install the shift bezel. (Refer to 23 - BODY/INTERIOR/SHIFT BEZEL - INSTALLATION)

FLOOR CONSOLE LID LATCH

REMOVAL

(1) Remove the screws and remove the lid.
(2) Remove the screws attaching the lid cover and remove the latch.

INSTALLATION

(1) Install the latch and the lid cover.
(2) Install the screws attaching the lid cover.
(3) Install the console lid onto the console and install the screws.

FLOOR CONSOLE LID LATCH (Continued)

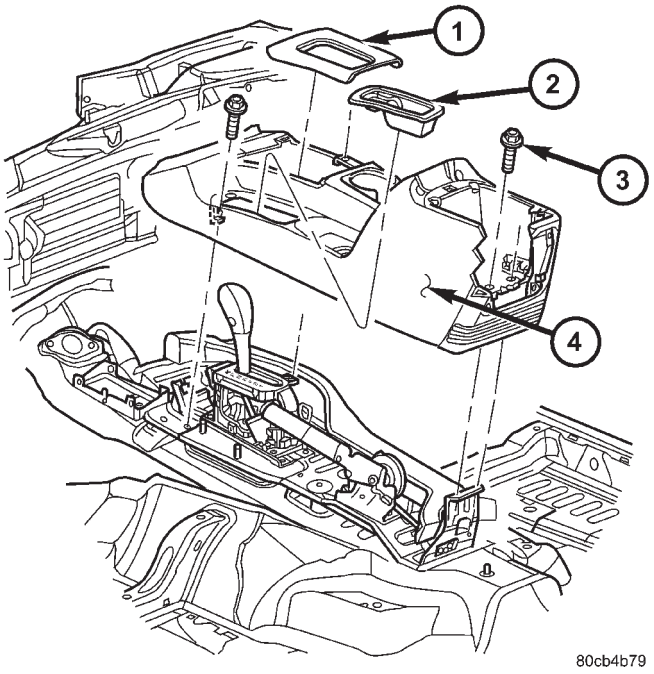


Fig. 3 FLOOR CONSOLE

1 - SHIFT BEZEL
2 - ACCESSORY CUP
3 - BOLTS (4)
4 - FLOOR CONSOLE

HEADLINER

REMOVAL

(1) Remove the a-pillar trim. (Refer to 23 - BODY/INTERIOR/A-PILLAR TRIM AND GRAB HANDLE - REMOVAL)

(2) Remove the visors. (Refer to 23 - BODY/INTERIOR/SUN VISOR - REMOVAL)

(3) Remove the sun visor support. (Refer to 23 - BODY/INTERIOR/SUN VISOR SUPPORT - REMOVAL)

(4) Remove the overhead console. (Refer to 8 - ELECTRICAL/OVERHEAD CONSOLE - REMOVAL)

(5) Cut rear washer hose at the mark about halfway up the a-pillar.

(6) Remove the upper b-pillar trim. (Refer to 23 - BODY/INTERIOR/B-PILLAR UPPER TRIM - REMOVAL)

(7) Remove the assist handles. (Refer to 23 - BODY/INTERIOR/ASSIST HANDLE - REMOVAL)

(8) Remove the quarter trim. (Refer to 23 - BODY/INTERIOR/QUARTER TRIM PANEL - REMOVAL)

(9) Disconnect the electrical connector along the left d-pillar and remove the ground wire.

(10) Remove the dome light in the rear.

(11) Remove the sunroof opening trim lace, if equipped. (Refer to 23 - BODY/SUNROOF/OPENING TRIM LACE - REMOVAL)

(12) Remove the rear washer nozzle.

(13) Remove the headliner.

INSTALLATION

(1) Install the headliner.

(2) Install the assist handles. (Refer to 23 - BODY/INTERIOR/ASSIST HANDLE - INSTALLATION)

(3) Install the visors. (Refer to 23 - BODY/INTERIOR/SUN VISOR - INSTALLATION)

(4) Install the visor supports. (Refer to 23 - BODY/INTERIOR/SUN VISOR SUPPORT - INSTALLATION)

(5) Install the overhead console. (Refer to 8 - ELECTRICAL/OVERHEAD CONSOLE - INSTALLATION)

(6) Connect the rear washer hose, previously cut, with a hose junction.

(7) Install the a-pillar trim and grab handles. (Refer to 23 - BODY/INTERIOR/A-PILLAR TRIM - INSTALLATION)

(8) Install the upper b-pillar trim. (Refer to 23 - BODY/INTERIOR/B-PILLAR UPPER TRIM - INSTALLATION)

(9) Install the rear washer nozzle.

(10) Connect the electrical connector and ground wire at the left d-pillar.

(11) Install the quarter trim panels. (Refer to 23 - BODY/INTERIOR/QUARTER TRIM PANEL - INSTALLATION)

(12) Install the rear dome light.

(13) Install the sunroof opening trim lace, if equipped. (Refer to 23 - BODY/SUNROOF/OPENING TRIM LACE - INSTALLATION)

QUARTER TRIM PANEL

REMOVAL

(1) Using a trim stick C-4755 or equivalent, remove the rear header trim.

(2) Using a trim stick C-4755 or equivalent, remove the rear sill plate.

(3) Remove the hook pin type connector.

(4) Fold down the rear seat.

(5) Remove the seat belt anchor and pivot. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT & RETRACTOR - REMOVAL)

(6) Remove the belt access panel. (Fig. 4)

(7) Remove the storage cover.

(8) Disconnect the 12v power supply electrical connector, if equipped.

INSTALLATION

(1) Position the 12v power supply electrical connector, if equipped.

(2) Install the storage cover.

QUARTER TRIM PANEL (Continued)

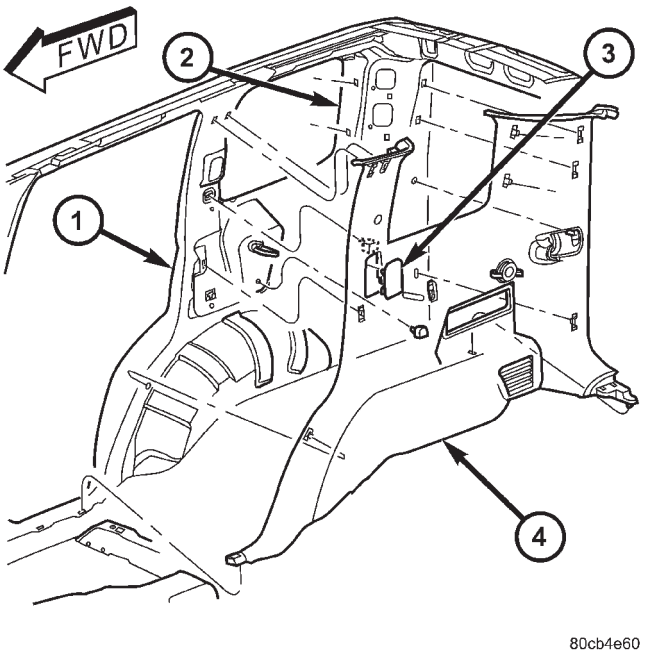


Fig. 4 QUARTER TRIM PANEL

1 - C-PILLAR
2 - D-PILLAR
3 - BELT ACCESS PANEL
4 - QUARTER TRIM PANEL

(3) Install the belt access panel.
(4) Install the seat belt anchor and pivot. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT & RETRACTOR - INSTALLATION)
(5) Install the hook pin type connector.
(6) Position the rear sill plate and seat the retaining clips.
(7) Position the rear header trim and seat the retaining clips.

REAR DOOR SCUFF PLATE

REMOVAL

(1) Using a trim stick C-4755 or equivalent, release the retaining clips and remove the scuff plate.

INSTALLATION

(1) Position the scuff plate and seat the retaining clips.

SUN VISOR

REMOVAL

(1) Remove the screws at the visor pivot.
(2) Disconnect the electrical connector and remove the visor.

INSTALLATION

(1) Connect the electrical connector and install the visor.
(2) Install the screws at the visor pivots.

SUN VISOR SUPPORT

REMOVAL

(1) Using a small pry tool or equivalent, release the support retaining clip by prying out and remove the support. (Fig. 5)

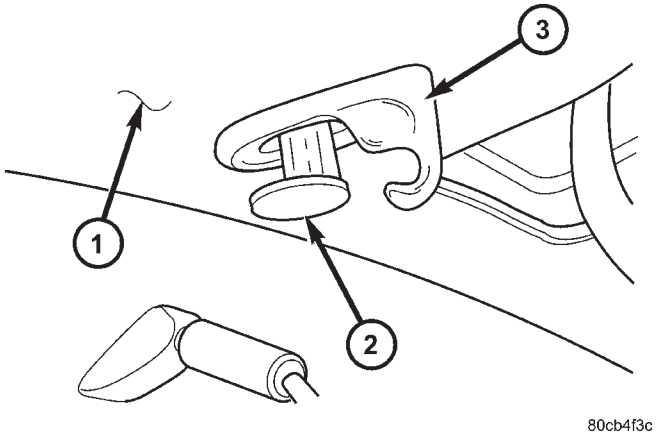


Fig. 5 SUN VISOR SUPPORT

1 - HEADLINER
2 - RETAINER CLIP
3 - SUN VISOR SUPPORT

INSTALLATION

(1) Position the visor support and seat the retaining clip.

REAR VIEW MIRROR

REMOVAL

(1) If equipped, disconnect mirror harness connector.

(2) Loosen the mirror base setscrew (Fig. 6).

(3) Slide the mirror base upward and off the bracket.

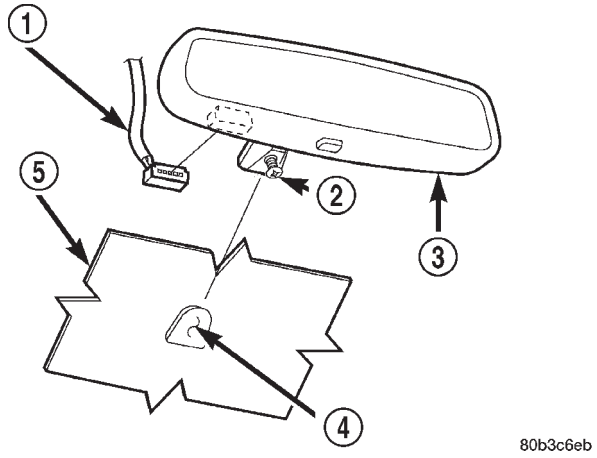


Fig. 6 Rear View Mirror

1 - CONNECTOR
2 - SCREW
3 - REAR VIEW MIRROR
4 - SUPPORT BUTTON
5 - WINDSHIELD

INSTALLATION

INSTALLATION

(1) Position the mirror base at the bracket and slide it downward onto the support bracket (Fig. 6).

(2) Tighten the setscrew 1 N·m (15 in. lbs.) torque.

(3) If equipped, connect mirror harness connector.

INSTALLATION - REARVIEW MIRROR SUPPORT BRACKET

(1) Mark the position for the mirror bracket on the outside of the windshield glass with a wax pencil.

(2) Clean the bracket contact area on the glass. Use a mild powdered cleanser on a cloth saturated with isopropyl (rubbing) alcohol. Finally, clean the glass with a paper towel dampened with alcohol.

(3) Sand the surface on the support bracket with fine grit-sandpaper. Wipe the bracket surface clean with a paper towel.

(4) Apply accelerator to the surface on the bracket according to the following instructions:

(a) Crush the vial to saturate the felt applicator.

(b) Remove the paper sleeve.

(c) Apply accelerator to the contact surface on the bracket.

(d) Allow the accelerator to dry for five minutes.

(e) Do not touch the bracket contact surface after the accelerator has been applied.

(5) Apply adhesive accelerator to the bracket contact surface on the windshield glass. Allow the accelerator to dry for one minute. Do not touch the glass contact surface after the accelerator has been applied.

(6) Install the bracket according to the following instructions:

(a) Apply one drop of adhesive at the center of the bracket contact-surface on the windshield glass.

(b) Apply an even coat of adhesive to the contact surface on the bracket.

(c) Align the bracket with the marked position on the windshield glass.

(d) Press and hold the bracket in place for at least one minute.

NOTE: Verify that the mirror support bracket is correctly aligned, because the adhesive will cure rapidly.

(7) Allow the adhesive to cure for 8-10 minutes. Remove any excess adhesive with an alcohol-dampened cloth.

(8) Allow the adhesive to cure for an additional 8-10 minutes before installing the mirror.

PAINT

TABLE OF CONTENTS

PAINT

SPECIFICATIONS - PAINT CODES

EXTERIOR COLORS

EXTERIOR COLOR	DAIMLERCHRYSLER CODE
Black Clear Coat	DX8
Bright Cactus Green Pearl Coat	AFM
Bright Silver Metallic Clear Coat	WS2
Dark Garnet Red Pearl Coat	XRV
Flame Red Clear Coat	PR4
Patriot Blue Pearl Coat	WB7
Salsa Red Pearl Coat	WE5
Shale Green Metallic Clear Coat	XGR
Steel Blue Pearl Coat	XBQ
Stone White Clear Coat	SW1
Woodland Brown Satin Glow	YU2

INTERIOR COLORS

INTERIOR COLOR	DAIMLERCHRYSLER CODE
Taupe	L5
Dark Slate Gray	DV
Dark Slate Gray/Light Taupe	D2
Taupe/Light Taupe	L2

ACCESSORY COLORS

PART	COLOR	DAIMLERCHRYSLER CODE
Renegade Roof Rack/Light Bar	Deep Gray	ZSP
Sport Fascia/Wheel Flare	Dark Neutral Gray	HS5

PAINT CODE

DESCRIPTION

The paint code is identified on the Vehicle Safety Certification Label which is located on the drivers door shut face. The color names provided in the Paint and Trim Code Description chart are the color names used on most repair product containers.

BASE COAT/CLEAR COAT FINISH

DESCRIPTION

The original equipment finish is a multi step process that involves cleaning, applying electro de-position (E-coat), anti-chip primer, base coat, and clear coat steps.

On most vehicles a two-part paint application (base coat/clear coat) is used. Color paint that is applied to primer is called base coat. The clear coat protects the base coat from ultraviolet light and provides a durable high-gloss finish.

CAUTION: Do not use abrasive chemicals or compounds on painted surfaces. Damage to finish can result.
Do not use harsh alkaline based cleaning solvents on painted surfaces. Damage to finish or color can result.

PAINT TOUCH-UP

DESCRIPTION

When a painted metal surface has been scratched or chipped, it should be touched-up as soon as possible to avoid corrosion. For best results, use Mopar® Scratch Filler/Primer, Touch-Up Paints and Clear Top Coat. Refer to Introduction group of this manual for Body Code Plate information.

WARNING: USE AN OSHA APPROVED BREATHING FILTER WHEN SPRAYING PAINT OR SOLVENTS IN A CONFINED AREA. PERSONAL INJURY CAN RESULT.

OPERATION

(1) Scrape loose paint and corrosion from inside scratch or chip.

(2) Clean affected area with Mopar® Tar/Road Oil Remover, and allow to dry.

(3) Fill the inside of the scratch or chip with a coat of filler/primer. Do not overlap primer onto good surface finish. The applicator brush should be wet enough to puddle-fill the defect without running. Do not stroke brush applicator on body surface. Allow the filler/primer to dry hard.

(4) Cover the filler/primer with color touch-up paint. Do not overlap touch-up color onto the original color coat around the scratch or chip. Butt the new color to the original color, if possible. Do not stroke applicator brush on body surface. Allow touch-up paint to dry hard.

(5) On vehicles without clear coat, the touch-up color can be lightly finesse sanded (1500 grit) and polished with rubbing compound.

(6) On vehicles with clear coat, apply clear top coat to touch-up paint with the same technique as described in Step 4. Allow clear top coat to dry hard. If desired, Step 5 can be performed on clear top coat.

WARNING: AVOID PROLONGED SKIN CONTACT WITH PETROLEUM OR ALCOHOL – BASED CLEANING SOLVENTS. PERSONAL INJURY CAN RESULT.
AVOID PROLONGED SKIN CONTACT WITH PETROLEUM OR ALCOHOL – BASED CLEANING SOLVENTS. PERSONAL INJURY CAN RESULT.

FINESSE SANDING/BUFFING & POLISHING

DESCRIPTION

Minor acid etching, orange peel, or smudging in clear coat or single-stage finishes can be reduced with light finesse sanding, hand buffing, and polishing. **If the finish has been finesse sanded in the past, it cannot be repeated. Finesse sanding operation should be performed by a trained automotive paint technician.**

CAUTION: Do not remove clear coat finish, if equipped. Base coat paint must retain clear coat for durability.

SEATS

TABLE OF CONTENTS

HEADREST

REMOVAL

(1) Depress head restraint release button and lift head restraint to full up position.

(2) Using a small flat blade, depress tab on right side head restraint release button and using your hand, simultaneously press tab on left side head restraint release button and pull head restraint up to separate from seat back.

INSTALLATION

(1) Position head restraint in seat back, press tab on left side head restraint release button and push down head restraint to secure.

HEADREST SLEEVE

REMOVAL

(1) Remove the headrest. (Refer to 23 - BODY/SEATS/HEADREST - REMOVAL)

(2) Remove the headrest sleeve cover.

(3) Rotate head restraint sleeve 1/4 turn counter-clockwise to release retaining tab.

(4) Pull sleeve from seat back frame.

INSTALLATION

(1) Position sleeve in seat back frame.

(2) Rotate head restraint sleeve 1/4 turn clockwise to engage retaining tab.

(3) Install the headrest sleeve cover.

(4) Install the headrest. (Refer to 23 - BODY/SEATS/HEADREST - INSTALLATION)

SEAT - FRONT

REMOVAL

WARNING: DISABLE THE SUPPLEMENTAL RESTRAINTS SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, DRIVER AIRBAG, PASSENGER AIRBAG, SEAT BELT TENSIONER, SIDE CURTAIN AIRBAG, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE SUPPLEMENTAL RESTRAINTS SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

WARNING: DURING AND FOLLOWING ANY SEAT BELT SERVICE, CAREFULLY INSPECT ALL SEAT BELTS, BUCKLES, MOUNTING HARDWARE, AND RETRACTORS FOR PROPER INSTALLATION, OPERATION, OR DAMAGE. REPLACE ANY BELT THAT IS CUT, FRAYED, OR TORN. STRAIGHTEN ANY BELT THAT IS TWISTED. TIGHTEN ANY LOOSE FASTENERS. REPLACE ANY BELT THAT HAS A DAMAGED OR INOPERATIVE BUCKLE OR RETRACTOR. REPLACE ANY BELT THAT HAS A BENT OR DAMAGED LATCH PLATE OR ANCHOR PLATE. NEVER ATTEMPT TO REPAIR A SEAT BELT COMPONENT. ALWAYS REPLACE DAMAGED OR FAULTY SEAT BELT COMPONENTS WITH THE CORRECT, NEW AND UNUSED REPLACEMENT PARTS LISTED IN THE MOPAR PARTS CATALOG.

(1) Remove the seat belt anchor bolt. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT & RETRACTOR - REMOVAL)

(2) Slide seat back and remove the front bolts. (Fig. 1)

(3) Slide seat to forward position and remove the rear bolt/nut.

(4) Disconnect the electrical connectors and remove the seat.

INSTALLATION

WARNING: DISABLE THE SUPPLEMENTAL RESTRAINTS SYSTEM BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, DRIVER AIRBAG, PASSENGER AIRBAG, SEAT BELT TENSIONER, SIDE CURTAIN AIRBAG, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE, THEN WAIT TWO MINUTES FOR THE SYSTEM CAPACITOR TO DISCHARGE BEFORE PERFORMING FURTHER DIAGNOSIS OR SERVICE. THIS IS THE ONLY SURE WAY TO DISABLE THE SUPPLEMENTAL RESTRAINTS SYSTEM. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY.

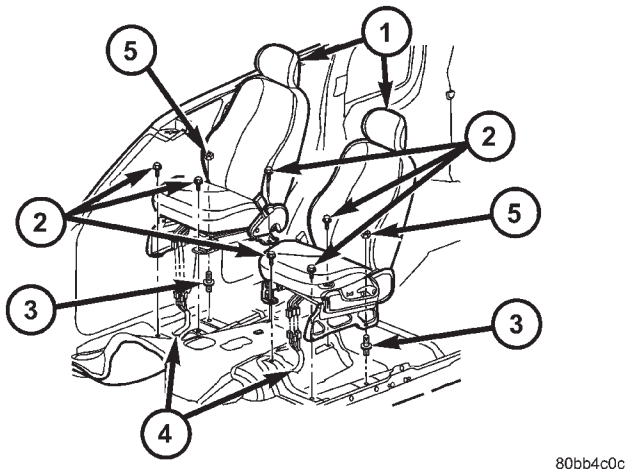


Fig. 1 FRONT SEATS

1 - FRONT SEATS
2 - BOLTS
3 - STUDS
4 - ELECTRICAL CONNECTORS
5 - NUTS

WARNING: DURING AND FOLLOWING ANY SEAT BELT SERVICE, CAREFULLY INSPECT ALL SEAT BELTS, BUCKLES, MOUNTING HARDWARE, AND RETRACTORS FOR PROPER INSTALLATION, OPERATION, OR DAMAGE. REPLACE ANY BELT THAT IS CUT, FRAYED, OR TORN. STRAIGHTEN ANY BELT THAT IS TWISTED. TIGHTEN ANY LOOSE FASTENERS. REPLACE ANY BELT THAT HAS A DAMAGED OR INOPERATIVE BUCKLE OR RETRACTOR. REPLACE ANY BELT THAT HAS A BENT OR DAMAGED LATCH PLATE OR ANCHOR PLATE. NEVER ATTEMPT TO REPAIR A SEAT BELT COMPONENT. ALWAYS REPLACE DAMAGED OR FAULTY SEAT BELT COMPONENTS WITH THE CORRECT, NEW AND UNUSED REPLACEMENT PARTS LISTED IN THE MOPAR PARTS CATALOG.

(1) Install the seats and connect the electrical connectors.

(2) Slide the seat to the rearward position and install the bolts.

(3) Tighten the outboard bolt to 43 N·m (32 ft. lbs.) and then tighten the inboard bolt to 43 N·m (32 ft. lbs.).

SEAT - FRONT (Continued)

(4) Slide the seat to the forward position and install the rear bolt and nut.
(5) Tighten the fasteners to 43 N·m (32 ft. lbs.).
(6) Install the seat belt anchor and bolt. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT & RETRACTOR - INSTALLATION)

SEAT BACK - FRONT

REMOVAL

(1) Remove the seat. (Refer to 23 - BODY/SEATS/SEAT - FRONT - REMOVAL)
(2) Remove the seat cushion side shields. (Refer to 23 - BODY/SEATS/SEAT CUSHION SIDE SHIELDS - REMOVAL)
(3) Disconnect the lock out cable from both recliners. (Fig. 2)
(4) Remove the bolts and remove the seat back.

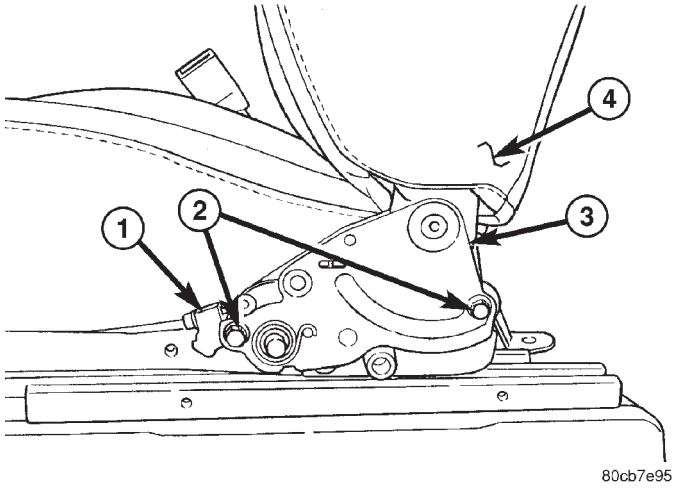


Fig. 2 SEAT BACK RECLINER

1 - LOCK OUT CABLE
2 - BOLTS
3 - RECLINER
4 - SEAT BACK

INSTALLATION

(1) Install the seat back and install the bolts.
(2) Tighten the bolts to 28 N·m (21 ft. lbs.).
(3) Connect the lock out cable to both recliners.
(4) Install the belt buckle. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT BUCKLE - INSTALLATION)
(5) Install the side shields. (Refer to 23 - BODY/SEATS/SEAT CUSHION SIDE SHIELDS - INSTALLATION)
(6) Install the seat. (Refer to 23 - BODY/SEATS/SEAT - FRONT - INSTALLATION)

SEAT BACK RECLINER - FRONT

REMOVAL

(1) Remove the seat back. (Refer to 23 - BODY/SEATS/SEAT BACK - FRONT - REMOVAL)
(2) Position the seat back cover out of the way and remove the bolts. (Fig. 3)
(3) Remove the recliners from the seat back frame.

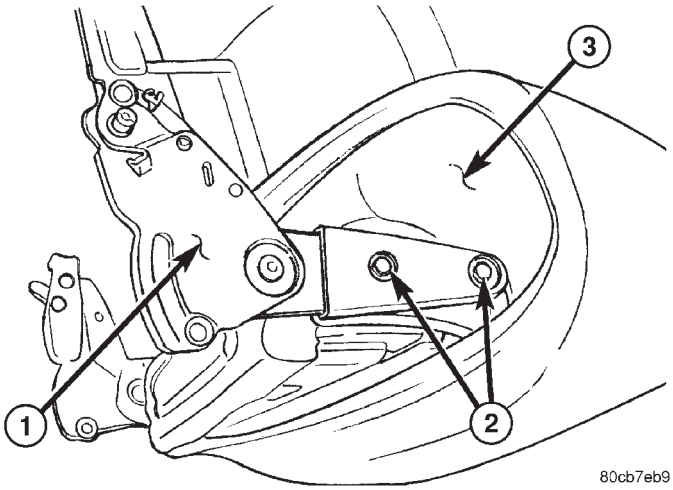


Fig. 3 SEAT BACK RECLINER

1 - SEAT BACK RECLINER
2 - BOLTS
3 - SEAT BACK

INSTALLATION

(1) Install the recliners onto the seat back.
(2) Position the seat back cover aside and install the recliner bolts.
(3) Tighten the bolts to 28 N·m (21 ft. lbs.).
(4) Install the seat back. (Refer to 23 - BODY/SEATS/SEAT BACK - FRONT - INSTALLATION)

SEAT BACK COVER - FRONT

REMOVAL

(1) Remove the seat back. (Refer to 23 - BODY/SEATS/SEAT BACK - FRONT - REMOVAL)
(2) Remove the head rest and remove the trim caps. (Refer to 23 - BODY/SEATS/HEADREST - REMOVAL)
(3) Disconnect the j-straps.
(4) Remove the two lower hog rings.
(5) Partially remove the seat back cover and remove the two upper hog rings.
(6) Remove the seat back cover.

SEAT BACK COVER - FRONT (Continued)

INSTALLATION

(1) Partially install the seat back cover and replace the two top hog rings.
(2) Pull cover down and replace the two lower hog rings.
(3) Connect the j-straps.
(4) Install trim caps and the head rest. (Refer to 23 - BODY/SEATS/HEADREST - INSTALLATION)
(5) Install the seat back. (Refer to 23 - BODY/SEATS/SEAT BACK - FRONT - INSTALLATION)

SEAT BACK CUSHION - FRONT

REMOVAL

(1) Remove the seat back cover. (Refer to 23 - BODY/SEATS/SEAT BACK COVER - FRONT - REMOVAL)
(2) Separate the cushion from the seat back frame.

INSTALLATION

(1) Position the cushion onto the seat back frame.
(2) Install the seat back cover. (Refer to 23 - BODY/SEATS/SEAT BACK COVER - FRONT - INSTALLATION)

SEAT CUSHION - FRONT

REMOVAL

(1) Remove the seat back. (Refer to 23 - BODY/SEATS/SEAT BACK - FRONT - REMOVAL)
(2) Remove the two outer front track bolts and remove the track.

INSTALLATION

(1) Install the seat cushion onto the seat track assembly and install the front two bolts.
(2) Tighten the bolts to 28 N·m (21 ft. lbs.).
(3) Install the seat back. (Refer to 23 - BODY/SEATS/SEAT BACK - FRONT - INSTALLATION)

SEAT CUSHION COVER - FRONT

REMOVAL

(1) Remove the seat cushion. (Refer to 23 - BODY/SEATS/SEAT CUSHION - FRONT - REMOVAL)
(2) Disconnect the j-straps.
(3) Remove the hog rings and remove the cushion cover.

INSTALLATION

(1) Position the seat cushion cover and install new hog rings.
(2) Connect the j-straps.
(3) Install the seat cushion. (Refer to 23 - BODY/SEATS/SEAT CUSHION - FRONT - INSTALLATION)

SEAT CUSHION SIDE SHIELDS

REMOVAL

(1) Remove the screw and remove the recliner handle.
(2) Remove the screws and remove the seat side shields.

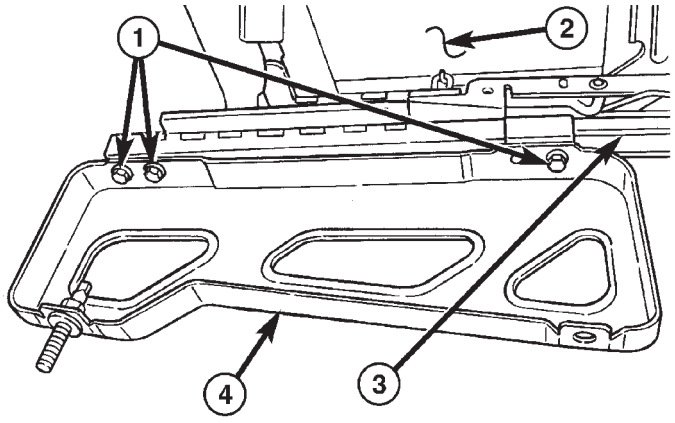
INSTALLATION

(1) Install the shields and install the screws.
(2) Install the recliner handle and install the screw.

MANUAL SEAT RISER

REMOVAL

(1) Remove the seat. (Refer to 23 - BODY/SEATS/SEAT - FRONT - REMOVAL)
(2) Remove the bolts and remove the rivet from the release handle. (Fig. 4)
(3) Remove the riser.



80cb7d5d

Fig. 4 FRONT SEAT RISER

1 - BOLTS (3)
2 - SEAT CUSHION
3 - SEAT TRACK
4 - SEAT RISER

MANUAL SEAT RISER (Continued)

INSTALLATION

(1) Install the seat riser and install the bolts.
(2) Tighten the bolts to 28 N·m (21 ft. lbs.).
(3) Install a new release handle rivet.
(4) Install the seat. (Refer to 23 - BODY/SEATS/SEAT - FRONT - INSTALLATION)

SEAT TRACK

REMOVAL

(1) Remove the seat back. (Refer to 23 - BODY/SEATS/SEAT BACK - FRONT - REMOVAL)
(2) Remove the outer riser. (Refer to 23 - BODY/SEATS/SEAT RISER - REMOVAL)
(3) Remove the front outer bolts and remove the tracks.

INSTALLATION

(1) Install the seat track onto the seat cushion and install the front outer bolts.
(2) Tighten the bolts to 28 N·m (21 ft. lbs.).
(3) Install the seat riser. (Refer to 23 - BODY/SEATS/SEAT RISER - INSTALLATION)
(4) Install the seat back. (Refer to 23 - BODY/SEATS/SEAT BACK - FRONT - INSTALLATION)

SEAT - REAR

REMOVAL

(1) Remove the outer seat belt anchors. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT & RETRACTOR - REMOVAL)
(2) Remove the inner seat belt buckles. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT BUCKLE - REMOVAL)
(3) Remove the center seat belt anchor. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT & RETRACTOR - REMOVAL)
(4) Remove the front bolts and nuts. (Fig. 5)
(5) Fold down the seat backs and remove the seat assembly through the rear door.

INSTALLATION

(1) Install the seat assembly and position over the studs.
(2) Open the seat back and engage the latches onto the latch strikers.
(3) Install the rear outboard nuts and tighten to 43 N·m (32 ft. lbs.).
(4) Install the outer seat belt anchors. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT & RETRACTOR - INSTALLATION)

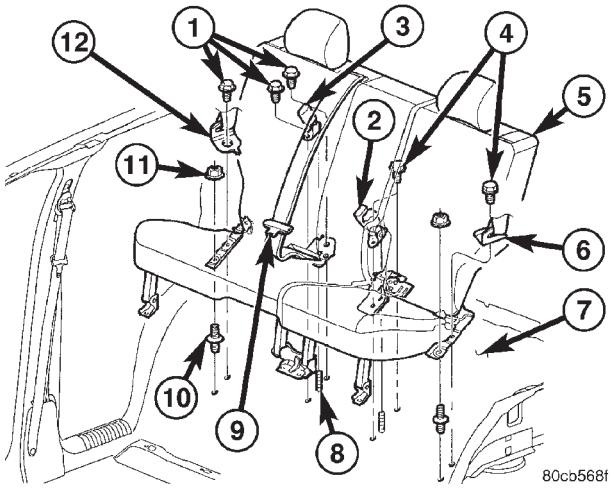


Fig. 5 REAR SEAT ASSEMBLY

1 - SEAT BELT ANCHOR BOLTS
2 - BELT BUCKLES
3 - BELT BUCKLE
4 - SEAT BELT ANCHOR BOLTS
5 - REAR SEAT ASSEMBLY
6 - SEAT BELT ANCHOR
7 - FLOOR PAN
8 - STUDS
9 - CENTER SEAT BELT
10 - FRONT STUDS
11 - NUTS (2)
12 - SEAT BELT ANCHOR

(5) Install the inner seat belt buckles. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT BUCKLE - INSTALLATION)
(6) Install the center seat belt anchor. (Refer to 8 - ELECTRICAL/RESTRAINTS/SEAT BELT & RETRACTOR - INSTALLATION)
(7) Install the front outer seat cushion leg bolts and tighten to 35 N·m (26 ft. lbs.)

SEAT BACK - REAR

REMOVAL

(1) Remove the seat assembly. (Refer to 23 - BODY/SEATS/SEAT - REAR - REMOVAL)
(2) Remove the front seat cushion hinge bolt. (Fig. 6)
(3) Remove the center seat back hinge bolts and separate the rear seat assembly. (Fig. 7)
(4) Release the clips and remove the seat back hinge covers.
(5) Lift the seat cushion cover and remove the hinge bolts. (Fig. 8)
(6) Remove the seat back.

INSTALLATION

(1) Install the seat back.

SEAT BACK - REAR (Continued)

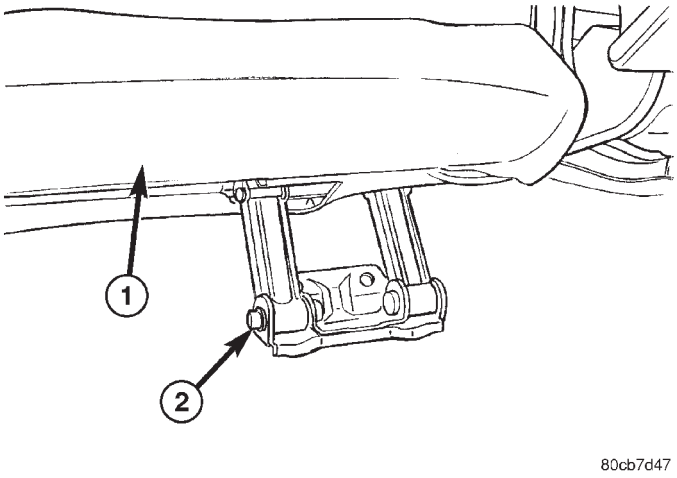


Fig. 6 CENTER CUSHION HINGE

1 - SEAT CUSHION
2 - BOLT

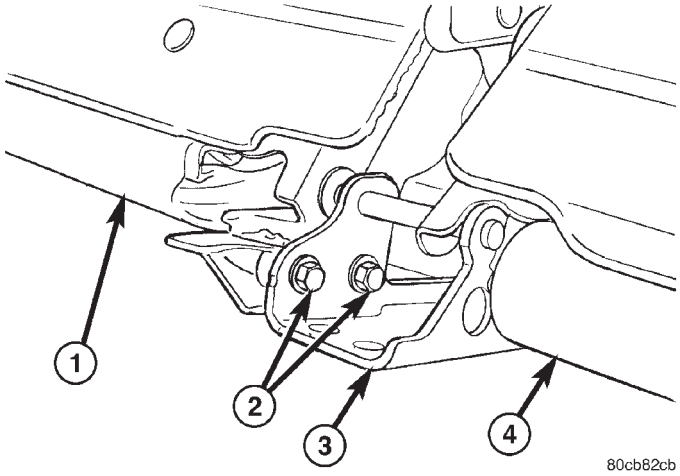


Fig. 7 CENTER SEAT BACK HINGE

1 - SEAT CUSHION
2 - BOLTS
3 - SEAT BACK HINGE
4 - SEAT CUSHION

(2) Install the seat back hinge bolt and tighten to 8 N·m (71 in. lbs.).

(3) Position the seat back hinge covers and fully seat the clips.

(4) Connect the seat halves and install the center seat back hinge bolts.

(5) Tighten the bolts to 28 N·m (21 ft. lbs.).

(6) Install the front seat cushion hinge bolt and tighten to 28 N·m (21 ft. lbs.).

(7) Install the seat assembly. (Refer to 23 - BODY/SEATS/SEAT - REAR - INSTALLATION)

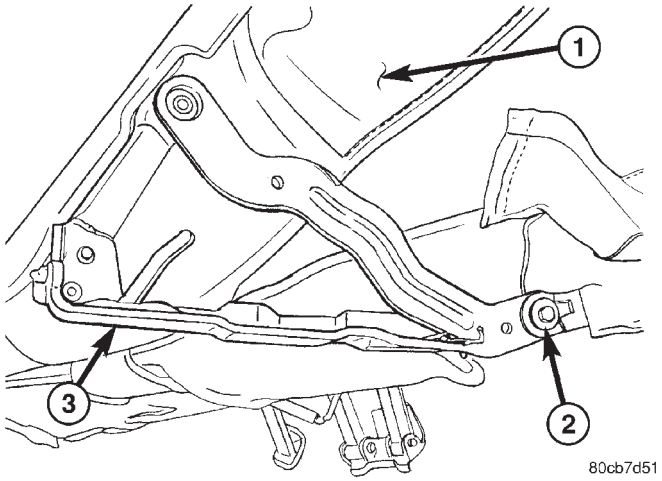


Fig. 8 SEAT BACK HINGE

1 - SEAT BACK
2 - BOLT
3 - SEAT BACK HINGE

SEAT BACK COVER - REAR

REMOVAL

(1) Remove the rear seat back. (Refer to 23 - BODY/SEATS/SEAT BACK - REAR - REMOVAL)

(2) Remove the screws and remove the center seat belt guide.

(3) Remove the screws and push pin fasteners and remove the latch handle bezel.

(4) Remove the head rest and remove the guide covers. (Refer to 23 - BODY/SEATS/HEADREST - REMOVAL)

(5) Remove the screws and remove the grocery hooks.

(6) Remove the push pin fasteners and remove the seat back panel.

(7) Disconnect the j-straps.

(8) Remove the seat back cover.

INSTALLATION

(1) Install the seat back cover and connect the j-straps.

(2) Install the seat back panel and install the push pin fasteners.

(3) Install the grocery hooks and install the screws.

(4) Install the head rest guide covers and install the head rest. (Refer to 23 - BODY/SEATS/HEADREST - INSTALLATION)

(5) Install the latch handle bezel and install the screws and push pin fasteners.

(6) Install the center seat belt guide and screws.

(7) Install the rear seat back. (Refer to 23 - BODY/SEATS/SEAT BACK - REAR - INSTALLATION)

SEAT BACK CUSHION - REAR

REMOVAL

(1) Remove the seat back cover. (Refer to 23 - BODY/SEATS/SEAT BACK COVER - REAR - REMOVAL)

(2) Separate the cushion from the seat back frame.

INSTALLATION

(1) Position the seat back cushion onto the seat back frame.

(2) Install the seat back cover. (Refer to 23 - BODY/SEATS/SEAT BACK COVER - REAR - INSTALLATION)

FOLDING REAR SEAT BACK LATCH / LOCK

REMOVAL

(1) Remove the rear seat back cushion. (Refer to 23 - BODY/SEATS/SEAT BACK CUSHION / COVER - REAR - REMOVAL)

(2) Disconnect the shoulder belt release cable. (Fig. 9)

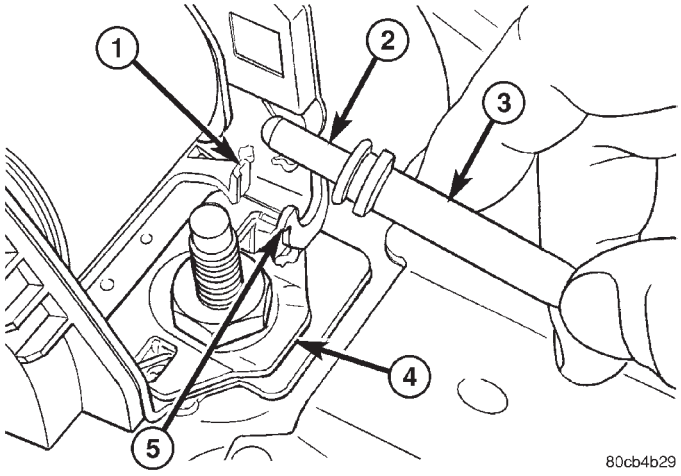


Fig. 9 Seat Back Latch Cable Disengage/Engage

1 - LEVER
2 - PLUNGER
3 - LATCH CABLE FITTING
4 - REAR CENTER RETRACTOR
5 - SUPPORT

(3) Remove the bolts and remove the latch/lock assembly. (Fig. 10)

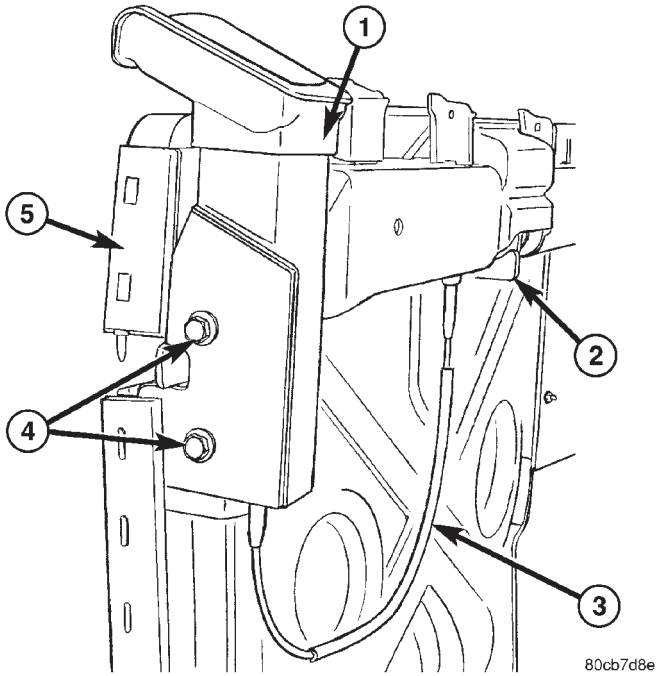


Fig. 10 LATCH/LOCK ASSEMBLY

1 - LATCH/LOCK ASSEMBLY
2 - SEAT BELT RETRACTOR
3 - RETRACTOR RELEASE CABLE
4 - BOLTS
5 - REAR SEAT BACK FRAME

INSTALLATION

(1) Install the latch/lock assembly and install the bolts.

(2) Tighten the bolts to 28 N·m (21 ft. lbs.).

(3) Connect the shoulder belt release cable.

(4) Install the rear seat back cushion. (Refer to 23 - BODY/SEATS/SEAT BACK CUSHION / COVER - REAR - INSTALLATION)

REAR SEAT BACK LATCH STRIKER

REMOVAL

(1) Remove the quarter trim panel. (Refer to 23 - BODY/INTERIOR/QUARTER TRIM PANEL - REMOVAL)

(2) Remove the bolts and remove the striker. (Fig. 11)

REAR SEAT BACK LATCH STRIKER (Continued)

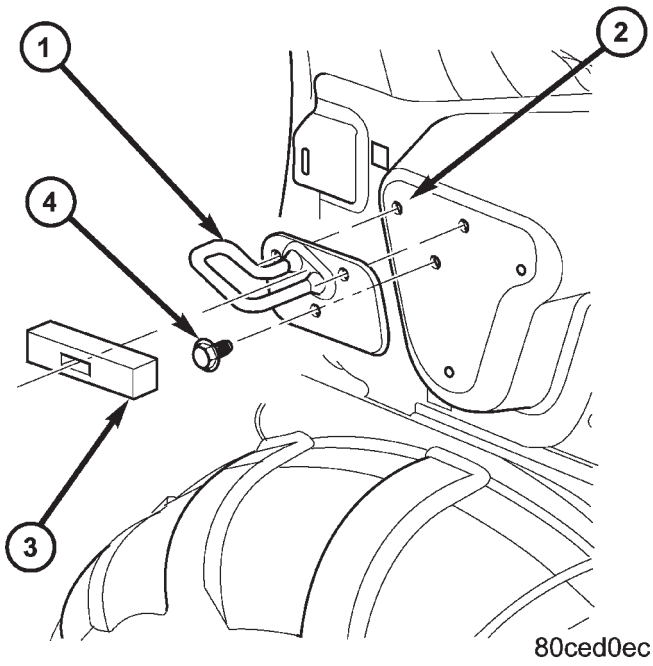


Fig. 11 REAR SEAT BACK LATCH STRIKER

1 - LATCH STRIKER
2 - BODY SIDE PANEL
3 - STRIKER CLOSE-OUT
4 - BOLTS (3)

INSTALLATION

(1) Position the striker and install the bolts.
(2) Tighten the bolts to 35 N·m (26 ft. lbs.).
(3) Install the quarter trim panel. (Refer to 23 - BODY/INTERIOR/QUARTER TRIM PANEL - INSTALLATION)

SEAT BACK FRAME - REAR

REMOVAL

(1) Remove the center seat belt retractor, if equipped. (Refer to 8 - ELECTRICAL/RESTRAINTS/ SEAT BELT & RETRACTOR - REMOVAL)
(2) Remove the seat back latch/lock assembly. (Refer to 23 - BODY/SEATS/FOLDING REAR SEAT BACK LATCH / LOCK - REMOVAL)

INSTALLATION

(1) Install the seat back latch/lock assembly. (Refer to 23 - BODY/SEATS/FOLDING REAR SEAT BACK LATCH / LOCK - INSTALLATION)
(2) Install the center seat belt retractor, if equipped. (Refer to 8 - ELECTRICAL/RESTRAINTS/ SEAT BELT & RETRACTOR - INSTALLATION)

SEAT CUSHION - REAR

REMOVAL

(1) Remove the seat back. (Refer to 23 - BODY/ SEATS/SEAT BACK - REAR - REMOVAL)
(2) Disconnect the j-straps and remove the seat cushion and cover.

INSTALLATION

(1) Position the seat cushion and cushion cover onto the seat frame.
(2) Connect the j-straps.
(3) Install the seat back. (Refer to 23 - BODY/ SEATS/SEAT BACK - REAR - INSTALLATION)

STATIONARY GLASS

TABLE OF CONTENTS

DOOR GLASS

REMOVAL

(1) Remove the rear door glass run channel. (Refer to 23 - BODY/DOORS - REAR/GLASS RUN CHANNEL - REMOVAL)

INSTALLATION

(1) Install the rear door glass run channel. (Refer to 23 - BODY/DOORS - REAR/GLASS RUN CHANNEL - INSTALLATION)

QUARTER WINDOW

REMOVAL

(1) Remove the headliner as necessary to gain access to the glass seal from the inside. (Refer to 23 - BODY/INTERIOR/HEADLINER - REMOVAL)

(2) Cut urethane bonding from around quarter window glass using a suitable sharp cold knife. A pneumatic cutting device can be used if available.

(3) Separate glass from vehicle.

INSTALLATION

CAUTION: Open a window before installing glass. This will avoid pressurizing the passenger compartment. If a door or swing gate flip-up glass is slammed before urethane is cured, water leaks can result.

The window opening fence should be cleaned of old urethane bonding material.

(1) Install the headliner as necessary. (Refer to 23 - BODY/INTERIOR/HEADLINER - INSTALLATION)

(2) Clean inside of glass with Mopar Glass Cleaner and lint-free cloth.

(3) Apply PVC (vinyl) primer 25 mm (1 in.) wide around edge of glass. Wipe with clean/dry lint-free cloth.

(4) Apply fence primer around edge of fence. Allow at least eighteen minutes drying time.

(5) Apply a 10 mm (0.4 in.) bead of urethane around window vinyl border location.

(6)
Position glass into window opening and lock clips into place.

WINDSHIELD

WARNING

WINDSHIELD SAFETY PRECAUTIONS

WARNING: DO NOT OPERATE THE VEHICLE WITHIN 24 HOURS OF WINDSHIELD INSTALLATION. IT TAKES AT LEAST 24 HOURS FOR URETHANE ADHESIVE TO CURE. IF IT IS NOT CURED, THE WINDSHIELD MAY NOT PERFORM PROPERLY IN AN ACCIDENT.

- **URETHANE ADHESIVES ARE APPLIED AS A SYSTEM. USE GLASS CLEANER, GLASS PREP SOLVENT, GLASS PRIMER, PVC (VINYL) PRIMER AND PINCH WELD (FENCE) PRIMER PROVIDED BY THE ADHESIVE MANUFACTURER. IF NOT, STRUCTURAL INTEGRITY COULD BE COMPROMISED.**
- **DAIMLERCHRYSLER DOES NOT RECOMMEND GLASS ADHESIVE BY BRAND. TECHNICIANS SHOULD REVIEW PRODUCT LABELS AND TECHNICAL DATA SHEETS, AND USE ONLY ADHESIVES THAT THEIR MANUFACTURES WARRANT WILL RESTORE A VEHICLE TO THE REQUIREMENTS OF FMVSS 212. TECHNICIANS SHOULD ALSO INSURE THAT PRIMERS AND CLEANERS ARE COMPATIBLE WITH THE PARTICULAR ADHESIVE USED.**
- **BE SURE TO REFER TO THE URETHANE MANUFACTURER'S DIRECTIONS FOR CURING TIME SPECIFICATIONS, AND DO NOT USE ADHESIVE AFTER ITS EXPIRATION DATE.**
- **VAPORS THAT ARE EMITTED FROM THE URETHANE ADHESIVE OR PRIMER COULD CAUSE PERSONAL INJURY. USE THEM IN A WELL-VENTILATED AREA.**
- **SKIN CONTACT WITH URETHANE ADHESIVE SHOULD BE AVOIDED. PERSONAL INJURY MAY RESULT.**
- **ALWAYS WEAR EYE AND HAND PROTECTION WHEN WORKING WITH GLASS.**

CAUTION: Protect all painted and trimmed surfaces from coming in contact with urethane or primers. Be careful not to damage painted surfaces when removing moldings or cutting urethane around windshield.

REMOVAL

(1) Remove inside rear view mirror. (Refer to 23 - BODY/INTERIOR/REAR VIEW MIRROR - REMOVAL)

(2) Remove cowl cover. (Refer to 23 - BODY/EXTERIOR/COWL GRILLE - REMOVAL)

(3) Remove screws attaching windshield side molding to A-pillar.

(4) Remove upper windshield molding.

(5) Cut urethane bonding from around windshield using a suitable sharp cold knife. A pneumatic cutting device can be used if available.

(6) Separate windshield from vehicle.

INSTALLATION

WARNING: REVIEW ALL WARNINGS AND CAUTIONS IN THIS GROUP BEFORE PRECEDING WITH INSTALLATION.

CAUTION: Open a window before installing windshield. This will avoid pressurizing the passenger compartment. If a door or swing gate flip-up glass is slammed before urethane is cured, water leaks can result.

The windshield fence should be cleaned of old urethane bonding material. Support spacers should be cleaned and properly installed on weld studs or repair screws at bottom of windshield opening.

(1) Place replacement windshield into windshield opening. Position glass in the center of the opening against the support spacers. Mark the glass at the support spacers with a grease pencil or masking tape and ink pen to use as a reference for installation. Remove replacement windshield from windshield opening.

(2) Position the windshield inside up on a suitable work surface with two padded, wood 10 cm by 10 cm by 50 cm (4 in. by 4 in. by 20 in.) blocks, placed parallel 75 cm (2.5 ft.) apart.

(3) Clean inside of windshield with Mopar Glass Cleaner and lint-free cloth.

(4) Apply clear glass primer 25 mm (1 in.) wide around edge of windshield. Wipe with clean/dry lint-free cloth.

(5) Apply black-out primer 15 mm (.75 in.) wide on top and sides of windshield and 25 mm (1 in.) on bottom of windshield. Allow at least three minutes drying time.

(6) Position windshield spacers on lower fence above support spacers at the edge of the windshield opening.

(7) Align the dot on the upper molding to the tick mark in the center of the glass and install upper molding onto windshield.

(8) Apply a 10 mm (0.4 in.) bead of urethane around perimeter of windshield along the inside of the moldings. Apply two beads along the bottom edge.

WINDSHIELD (Continued)

(9) Apply fence primer around the perimeter of the windshield opening fence. Allow at least 18 minutes drying time.

(10) With aid of a helper, position windshield over windshield opening. Align reference marks at bottom of windshield to support spacers.

(11) Slowly lower windshield glass to windshield opening fence. Guide top molding into proper position if necessary. Push windshield inward to fence spacers at bottom and until top molding is flush to roof line.

(12) Clean excess urethane from exterior with Mopar Super Clean or equivalent.

(13) Install windshield side moldings. (Refer to 23 - BODY/WEATHERSTRIP/SEALS/WINDSHIELD A-PILLAR WEATHERSTRIP - INSTALLATION)

(14) Install cowl grille. (Refer to 23 - BODY/EXTERIOR/COWL GRILLE - INSTALLATION)

(15) Install inside rear view mirror. (Refer to 23 - BODY/INTERIOR/REAR VIEW MIRROR - INSTALLATION)

(16) After urethane has cured, water test windshield to verify repair.

SUNROOF

TABLE OF CONTENTS

SUNROOF

DESCRIPTION

WARNING: Keep fingers and other body parts out of sunroof opening at all times.

The sunroof features a power sliding glass panel and a sunshade which can be manually positioned anywhere along its travel, rearward of glass panel front edge.

The sunroof is electrically operated from two switches located on the windshield header, rearward of the map lamp. To operate the sunroof the ignition switch must be in either the Accessory or On/Run position. One switch (vent) is a push button type and opens the sunroof to the vent position only. The other switch (open/close) is a rocker type for opening and closing the sunroof. Pressing and releasing the open button once the sunroof will express open and the wind deflector will raise. If the button is pressed a second time the sunroof will stop in that position. Pressing and holding the close button will close the sunroof. If the close button is released the sunroof will stop in that position.

SUNROOF (Continued)

SUNROOF OPERATION INSTRUCTIONS

SWITCH INPUTS			
	OPEN	CLOSE	VENT
FULL VENT	Push and hold switch until glass stops in flush closed position glass will then express open	Push and hold switch until glass stops in flush closed position.	No action
VENT RANGE	Push and hold switch until glass passes through flush closed position. Glass will then open	Push and hold switch until glass stops in flush closed position.	Push and hold switch until glass stops in full vent position.
FLUSH	1. Press switch for less than 0.65 seconds for express to comfort stop. 2. Press switch for more than 0.65 seconds and glass will stop when switch is released	No action	Press and hold switch. Glass will travel through flush closed to full vent. Glass will stop when switch is released or when fully vented.
FULL OPEN	Press switch for less than 0.65 seconds for express to full open.	Press and hold switch until glass stops in flush closed position or anywhere in between.	Press and hold switch. Glass will travel through flush closed to full vent. Glass will stop when switch is released.

DIAGNOSIS AND TESTING

WATER DRAINAGE AND WIND NOISE DIAGNOSIS

The sliding glass panel is designed to seal water entry with a snug fit between the roof and the seal. The fit can be checked by inserting a piece of paper between the roof and the seal. The piece of paper should have some resistance when pulled out when the glass panel is in the closed position. The sunroof housing will drain off a minimum amount of water. Excessive wind noise could result if the gap clearances are exceeded. The sunroof glass panel may need to be adjusted. Refer to Sunroof Glass Panel Adjustment for proper procedures.

Adequate drainage is provided by a drain trough in the sunroof housing which encircles the sliding glass panel and leads to drain hoses. If a wet headliner or other water leak complaints are encountered, before performing any adjustments, first ensure that the drainage system is not plugged or disconnected. Use a pint container to pour water into the sunroof housing drain trough. If water flow is restricted, use compressed air to blow out any material plugging the drain system. Retest system again.

To further check for a disconnected drain hose:

(1) Remove A-pillar trim, sun visors, and map lamps/mini console.

(2) Remove sunroof opening trim lace. Refer to Sunroof Opening Trim Lace.

(3) Lower headliner as necessary to gain access to sunroof housing drain tubes. (Refer to 23 - BODY/INTERIOR/HEADLINER - REMOVAL)

(4) Repair as necessary.

DIAGNOSTIC PROCEDURES

Before beginning sunroof diagnostics verify that all other power accessories are in proper operating condition. Refer to Sunroof Diagnostic Chart for possible causes. If not, a common electrical problem may exist. Refer to Wiring Diagrams, in this publication for circuit, splice and component descriptions. Check the condition of the circuit protection (20 amp circuit breaker in cavity 19 of the Junction Block). Inspect all wiring connector pins for proper engagement and continuity. Check for battery voltage at the power sunroof controller, refer to Wiring Diagrams, for circuit information. If battery voltage of more than 10 volts is detected at the controller, proceed with the following tests (the controller will not operate at less than 10 volts).

SUNROOF (Continued)

Before beginning diagnosis for wind noise or water leaks, verify that the problem was not caused by releasing the control switch before the sunroof was fully closed. The sunroof module has a water-management system. If however, the sunroof glass is in a partial closed position, high pressure water may be forced beyond the water management system boundaries and onto the headlining.

SUNROOF DIAGNOSIS CHART

SYMPTOM	POSSIBLE CAUSE
Sunroof motor inoperative.	Faulty control switch. Faulty circuit ground between sunroof electronics module, control switch, and body harness. Faulty power circuit between sunroof electronics module, control switch, and body harness. Faulty drive motor. Faulty electronics module. Faulty drive motor electrical connector.
Audible whine when switch is depressed, sunroof does not operate.	Faulty drive motor. Binding cable.
Audible clicking or ratcheting when switch is pressed, sunroof does not operate.	Broken or worn drive cable. Worn drive motor gear. Mechanisms not synchronized.
Sunroof vents and opens, but does not close.	Binding cable. Faulty circuit. Faulty control switch. Faulty electronic module. Faulty drive motor.
Sunroof vents, but does not open.	Binding cable or mechanism. Faulty circuit. Faulty switch. Faulty electronic module.
Sunroof does not vent	Binding cable or mechanism. Faulty circuit. Faulty control switch. Faulty sunroof electronic module.
Sunroof water leak.	Drain tubes clogged or kinked or disconnected from the sunroof. Glass panel improperly adjusted. Faulty glass panel seal.
Gurgling sound from sunroof	Low spot in drain hose routing, allowing water to stand.
Wind noise from sunroof.	Front of glass panel too high or rear too low. Wind deflector not deploying. Glass not centered in opening. Faulty glass panel seal.
Rattles from open sunroof while driving	Loose or broken attaching hardware. Worn or broken mechanism.

GLASS PANEL

REMOVAL

(1) Slide sunshade rearward to the open position.
(2) Move the glass panel to the closed position.
(3) Remove the four glass panel screws (Fig. 1).
(4) Lift off glass panel and remove from vehicle.

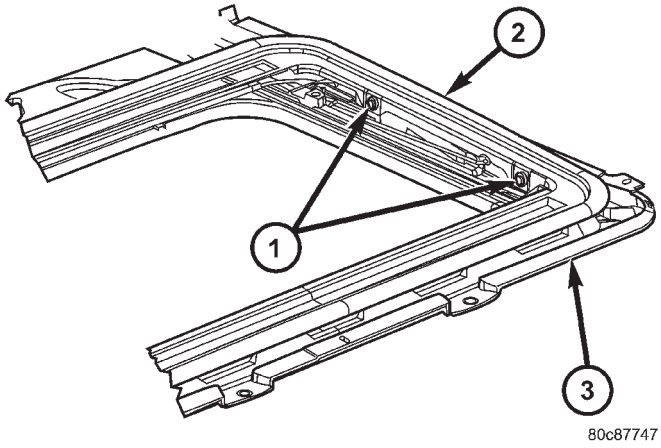


Fig. 1 GLASS PANEL

1 - SCREWS
2 - GLASS PANEL
3 - MODULE ASSEMBLY

INSTALLATION

(1) Position glass panel on to mechanism lift arm.
(2) Start the four attaching screws.
(3) Center glass in opening by running a business card around the glass.
(4) Adjust glass panel. (Refer to 23 - BODY/SUNROOF/GLASS PANEL - ADJUSTMENTS)

ADJUSTMENTS

SUNROOF GLASS PANEL ADJUSTMENT

(1) Move the sunshade rearward to the open position.
(2) Move the sunroof glass panel to the fully closed position.
(3) Adjust the glass one corner at a time.
(a) Loosen four glass screws (Fig. 2).
(b) Lift glass assembly and align the top of the glass panel to the top of the roof panel.
(c) Tighten screw to 3.5 N·m (31 in. lbs.).
(d) Repeat steps a. and b. for each corner of the glass panel.
(e) When properly adjusted, the front of the glass panel is 1.75 mm (0.07 in.) to 2.75 mm (0.11 in.) lower than the roof surface and the rear edge of the glass panel is 1.75mm (0.07 in.) to .75 mm (0.03 in.) lower than the roof surface.

NOTE: Glass assembly seal is 2.5mm (0.1 in) higher than the glass panel. Measure at 300mm (11.8 in) outboard of the centerline of the vehicle.

(4) Verify sunroof operation and alignment. Check fit and re-adjust as necessary.

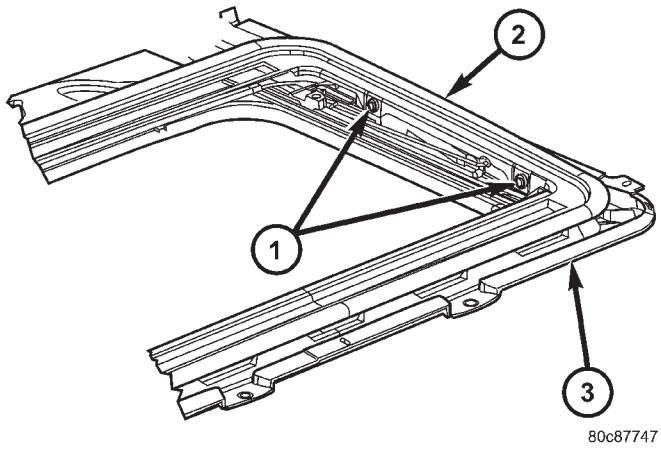


Fig. 2 GLASS PANEL

1 - SCREWS
2 - GLASS PANEL
3 - MODULE ASSEMBLY

GLASS PANEL SEAL

REMOVAL

(1) Remove sunroof glass panel. (Refer to 23 - BODY/SUNROOF/GLASS PANEL - REMOVAL)
(2) Place glass panel on clean work area with the top side up. Support the glass assembly from underside to avoid bending or otherwise damaging the mounting tabs.
(3) Grasp the seal and pull seal away from the glass panel. The seal is a one piece seal.

INSTALLATION

NOTE: Always position seal seam on center of the passenger side of glass panel.

(1) Place seal into position.
(2) Install seal on glass. Using care working the seal around the glass, being careful not to over stretch the seal while installing.
(3) Install the glass panel. (Refer to 23 - BODY/SUNROOF/GLASS PANEL - INSTALLATION)

SUNSHADE

REMOVAL

(1) Remove glass assembly from the sunroof assembly. (Refer to 23 - BODY/SUNROOF/GLASS PANEL - REMOVAL)

(2) Remove two screws from trough assembly (Fig. 3).

(3) Remove trough assembly.

(4) Slide the sunshade forward to disengage the guide feet from the tracks through the cutouts at the front of the tracks.

CAUTION: Use care not to crease the sunshade when removing or installing.

INSTALLATION

(1) Place sunshade into position, through the cut-outs at the front of the tracks and slide the sunshade back.

(2) Place trough assembly into position on sunroof module and install the screws.

(3) Install the glass panel. (Refer to 23 - BODY/SUNROOF/GLASS PANEL - INSTALLATION)

GUIDE ASSEMBLY

REMOVAL

(1) Remove the glass panel. (Refer to 23 - BODY/SUNROOF/GLASS PANEL - REMOVAL)

(2) Place sunroof into the vent position.

(3) Remove two screws from trough assembly (Fig. 3).

(4) Remove trough assembly.

(5) Disconnect the guide link (Fig. 4).

(6) Slide trough guide forward and disengage the sliders through the notches in the guide channels (Fig. 5).

INSTALLATION

(1) Install the trough guide and engage the sliders into the guide channels through the notches.

(2) Connect the guide link.

(3) Install the trough and install the two screws.

(4) Install the glass panel. (Refer to 23 - BODY/SUNROOF/GLASS PANEL - INSTALLATION)

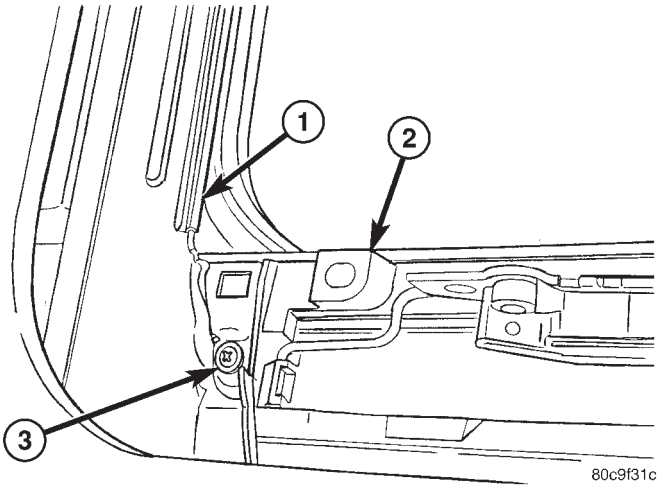


Fig. 3 GUIDE ASSEMBLY TROUGH

1 - TROUGH
2 - TROUGH GUIDE
3 - SCREW

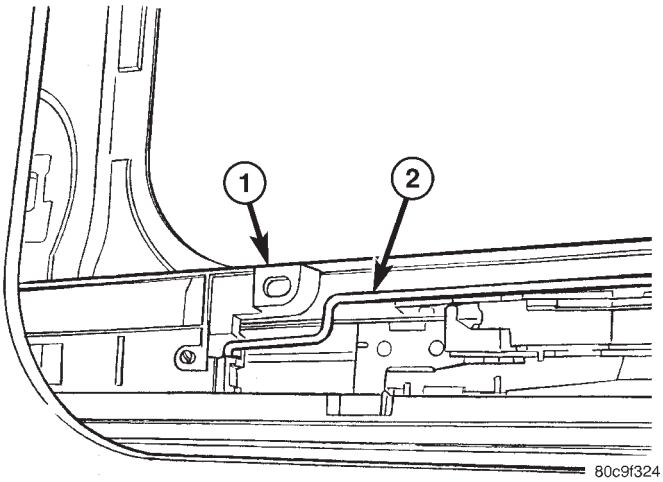


Fig. 4 TROUGH GUIDES

1 - TROUGH GUIDE
2 - GUIDE LINK

GUIDE ASSEMBLY (Continued)

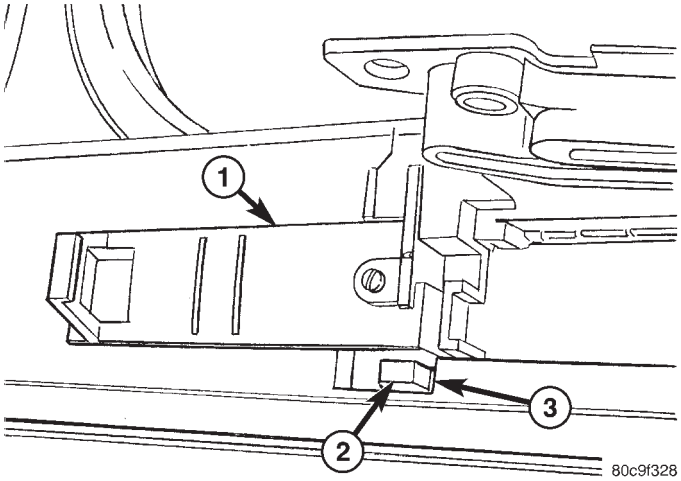


Fig. 5 TROUGH GUIDE REMOVAL

1 - TROUGH GUIDE
2 - NOTCH
3 - SLIDER

WIND DEFLECTOR

REMOVAL

(1) Open sunroof glass panel to the full open position.

(2) Remove screws attaching wind deflector straps to front crossmember (Fig. 6).

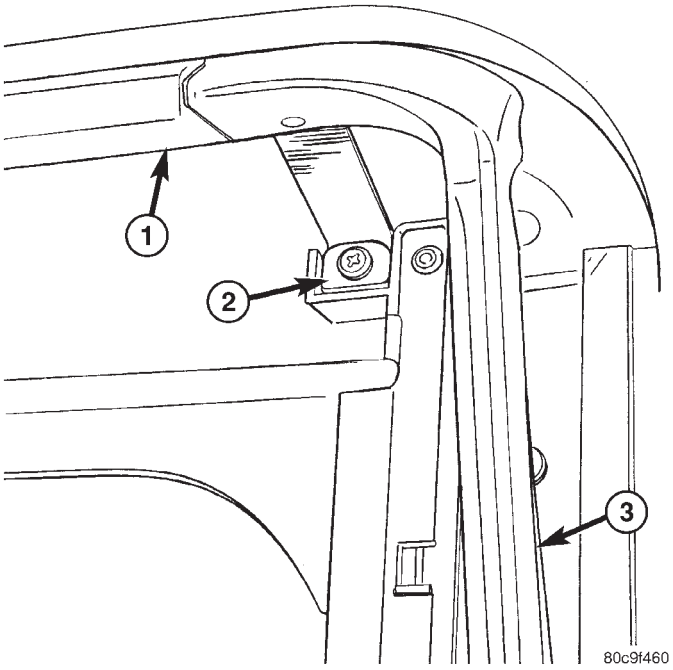


Fig. 6 SUNSHADE

1 - WIND DEFLECTOR
2 - SCREW
3 - SPRING

(3) Rotate wind deflector back about 110° and slide backwards to disengage from the spring hook.

INSTALLATION

(1) Place wind deflector in position 110° to roof.

(2) Push arms down and forward to engage spring hooks.

(3) Rotate wind deflector forward into correct position. Depress wind deflector down onto front crossmember to check spring function.

(4) Install fasteners attaching wind deflector straps to front crossmember.

(5) Test sunroof operation.

OPENING TRIM LACE

REMOVAL

(1) Remove lace by starting at the joint center of the opening on driver's side.

(2) Pull one end of the lace away from the headliner until the entire lace is removed.

INSTALLATION

(1) Place end of trim lace into position starting at center of the opening on driver's side.

(2) Push lace into position.

(3) Ensure that the corner radii is fully engage.

(4) Once trim lace is attached to sunroof module begin tucking the headline under the lip on the trim lace working all the way around the opening.

DRAIN TUBE

REMOVAL

FRONT DRAIN TUBES

(1) Move glass panel to the fully closed position.

(2) Remove sunroof opening trim lace.

(3) Remove the headliner. (Refer to 23 - BODY/INTERIOR/HEADLINER - REMOVAL)

(4) Disconnect the drain hose from the sunroof housing (Fig. 7).

(5) Drain any liquid from hose connection, if necessary.

(6) Remove the instrument panel top panel. (Refer to 23 - BODY/INSTRUMENT PANEL/INSTRUMENT PANEL TOP COVER - REMOVAL)

(7) Disconnect the grommet, attachment clips and remove the drain tube.

REAR DRAIN TUBES

(1) Move glass panel to the fully closed position.

(2) Remove sunroof opening trim lace.

(3) Remove headliner.

DRAIN TUBE (Continued)

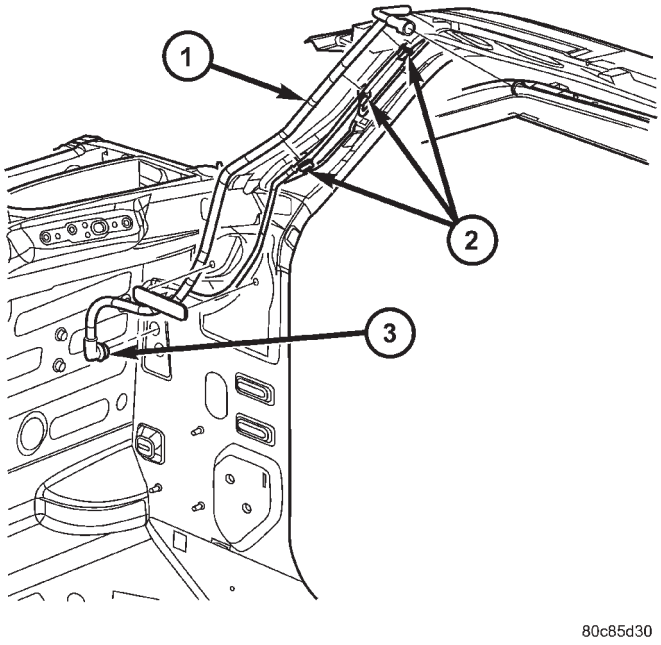


Fig. 7 FRONT DRAIN TUBE

1 - TUBE
2 - CLIPS
3 - GROMMET

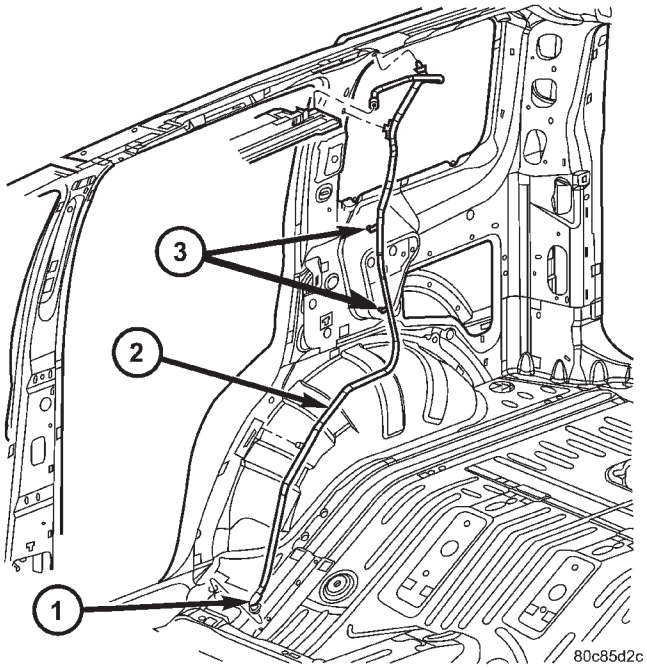


Fig. 8 REAR DRAIN TUBE

1 - GROMMET
2 - TUBE
3 - CLIPS

(4) Disconnect the drain hose from the sunroof housing (Fig. 8).

(5) Drain any liquid from hose connection, if necessary.

(6) Disconnect the grommet, attachment clips and remove the drain tube.

INSTALLATION

FRONT DRAIN TUBES

(1) Connect the drain hose to the sunroof housing and test drainage.

(2) Connect the body grommet and attachment clips.

(3) Install the instrument panel top panel. (Refer to 23 - BODY/INSTRUMENT PANEL/INSTRUMENT PANEL TOP COVER - INSTALLATION)

(4) Install the headliner. (Refer to 23 - BODY/INTERIOR/HEADLINER - INSTALLATION)

(5) Install sunroof opening trim lace. (Refer to 23 - BODY/SUNROOF/OPENING TRIM LACE - INSTALLATION)

REAR DRAIN TUBES

(1) Connect the drain hose to the sunroof housing and test drainage.

(2) Connect the body grommet and attachment clips.

(3) Install the headliner.

(4) Install sunroof opening trim lace.

MODULE ASSEMBLY

REMOVAL

(1) Move glass panel to the fully closed position.

(2) Disconnect and isolate the negative battery cable.

(3) Remove sunroof opening trim lace.

(4) Remove headliner. (Refer to 23 - BODY/INTERIOR/HEADLINER - REMOVAL)

(5) Disconnect wire harness push in fasteners and electrical connector. (Fig. 9)

(6) Disconnect the drain tubes from sunroof housing.

(7) Loosen fasteners attaching sunroof module assembly.

(8) With the aid of a helper, remove fasteners attaching sunroof module assembly to roof panel (Fig. 10).

INSTALLATION

(1) With the Glass panel in the fully closed position.

(2) Raise rear end of sunroof module assembly and guide into position and start fasteners.

(3) Tighten the fasteners to 9 N·m (80 in. lbs.).

(4) Connect the drain tubes.

MODULE ASSEMBLY (Continued)

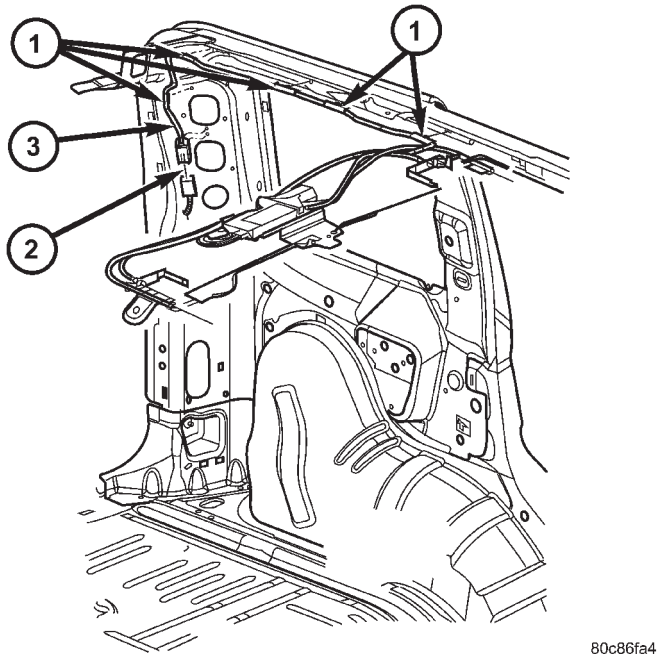


Fig. 9 WIRE HARNESS

1 - CLIPS
2 - ELECTRICAL CONNECTOR
3 - WIRE HARNESS

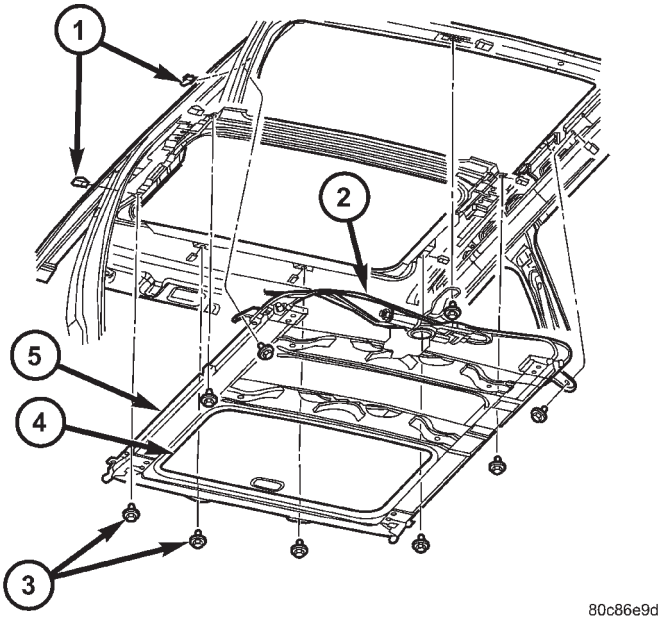


Fig. 10 MODULE ASSEMBLY

1 - U-NUTS
2 - DRIVE MOTOR
3 - BOLTS
4 - GLASS OPENING
5 - MODULE ASSEMBLY

(5) Connect wire harness.
(6) Install the headliner. (Refer to 23 - BODY/INTERIOR/HEADLINER - INSTALLATION)
(7) Install the opening trim lace. (Refer to 23 - BODY/SUNROOF/OPENING TRIM LACE - INSTALLATION)
(8) Connect battery negative cable.
(9) Test sunroof operation, adjust as necessary. (Refer to 23 - BODY/SUNROOF/GLASS PANEL - ADJUSTMENTS)

DRIVE MOTOR

REMOVAL

(1) Remove headliner. (Refer to 23 - BODY/INTERIOR/HEADLINER - REMOVAL)
(2) Cut wire retaining tape being careful not to cut wires.
(3) Disconnect the electrical connector (Fig. 11).
(4) Remove three motor assembly attaching screws from bottom side of motor assembly and remove motor assembly from the motor bracket.

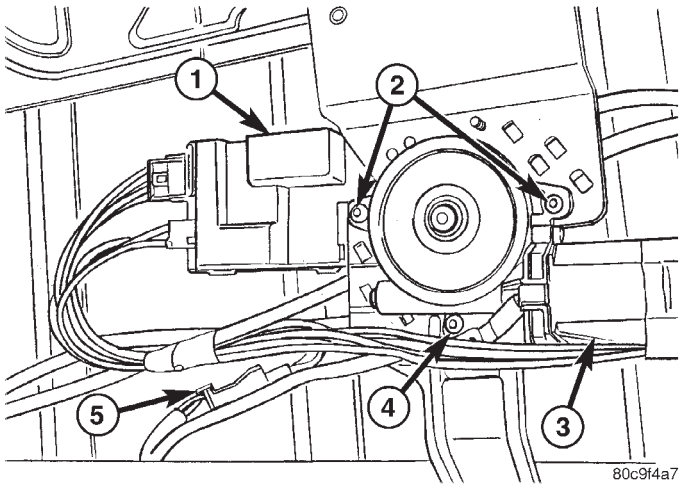


Fig. 11 DRIVE MOTOR ASSEMBLY

1 - CONTROL MODULE
2 - SCREWS
3 - DRIVE MOTOR
4 - SCREW
5 - ELECTRICAL CONNECTOR

INSTALLATION

(1) Place motor into position and install screws attaching motor to bracket.

NOTE: Hold electronics module to motor bracket when inserting motor shaft to avoid disengaging drive cables.

(2) Connect electrical connector.
(3) Tape wires to drive cables to prevent rattles.

DRIVE MOTOR (Continued)

(4) Test sunroof operation, adjust as necessary.
(5) Install headliner. (Refer to 23 - BODY/INTERIOR/HEADLINER - INSTALLATION)

CONTROL MODULE

REMOVAL

(1) Remove the module assembly. (Refer to 23 - BODY/SUNROOF/MODULE ASSEMBLY - REMOVAL)
(2) Remove three motor assembly retaining screws from bottom side of motor, and remove motor assembly (Fig. 11).
(3) From top side of module assembly, remove one attaching screw from electronics module. (Fig. 12)

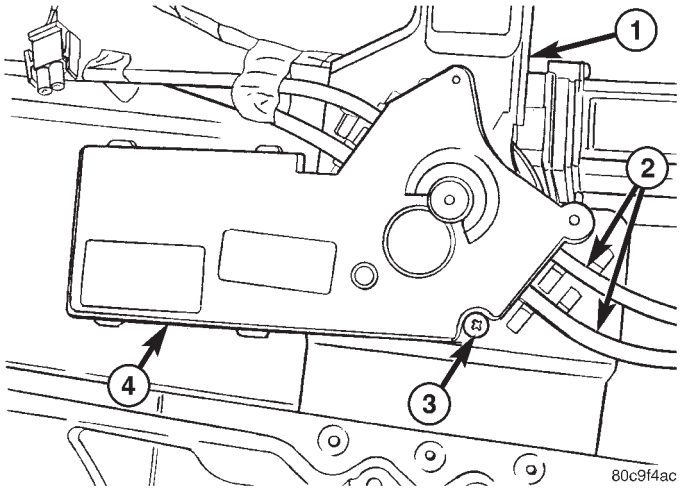


Fig. 12 CONTROL MODULE

1 - MOTOR BRACKET
2 - CABLES
3 - SCREW
4 - CONTROL MODULE

(4) Remove old timing module.

INSTALLATION

(1) Check glass assembly position. Adjust to full closed position. Insert pin into holes in lift arm assembly to check position (Fig. 13).
(2) Set new electronic module in position on top side of motor mounting bracket engaging drive cables with pinion gear in electronics module.
(3) Install one screw to attach electronics module to motor bracket. Tighten screw to 3 N·m (27 in. lbs.) torque.
(4) Install motor assembly to motor bracket and electronics module with three screws. Tighten screw to 1.75 N·m (15.5 in. lbs.) torque.
(5) Remove the new module's timing pin and discard. (Fig. 14)

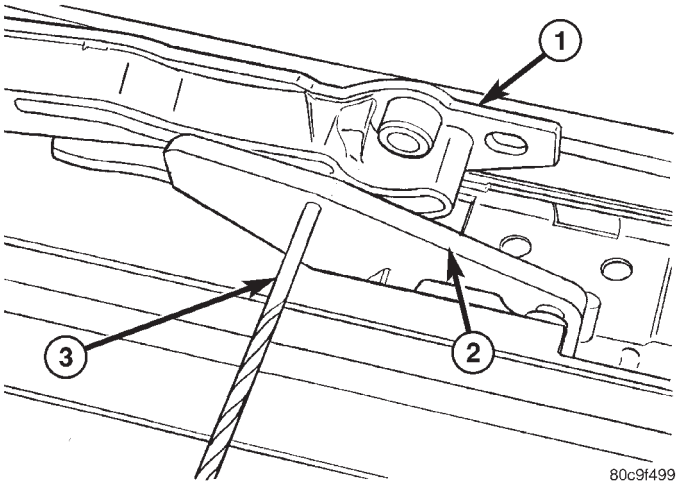


Fig. 13 LIFT ARM POSITIONING

1 - GLASS BRACKET
2 - LIFT ARM
3 - ALIGNMENT PIN

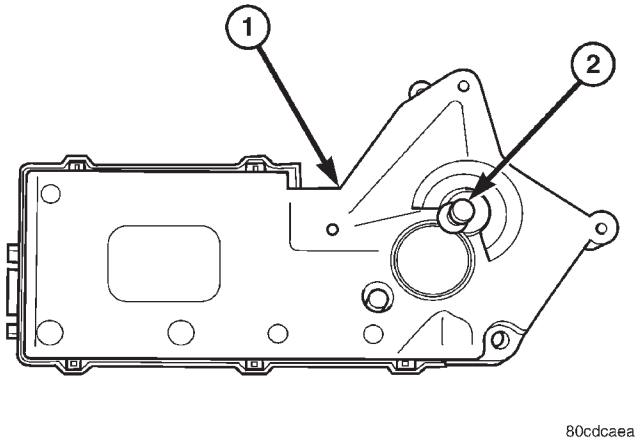


Fig. 14 MODULE TIMING PIN

1 - CONTROL MODULE
2 - TIMING PIN

(6) Connect electrical connector to module assembly wire harness. Secure any loose wires.
(7) Install module assembly. (Refer to 23 - BODY/SUNROOF/MODULE ASSEMBLY - INSTALLATION)
(8) Test operation, adjust as necessary. (Refer to 23 - BODY/SUNROOF/GLASS PANEL - ADJUSTMENTS)
(9) Install opening trim lace. (Refer to 23 - BODY/SUNROOF/OPENING TRIM LACE - INSTALLATION)

CONTROL SWITCH

DESCRIPTION

Vehicles equipped with a power sunroof utilize an sunroof control switch. On this model, the sunroof control switch is located in the overhead console, in between the two reading lamps. The switch is mounted in the overhead console with four plastic retaining tabs, molded into the switch housing.

This switch incorporates four selections of operation open, auto open, close and vent. The individual switches in the sunroof control switch unit cannot be repaired. If one switch is damaged or faulty, the entire sunroof control switch unit must be replaced.

OPERATION

With the operation of the sunroof control switch, voltage is directed to the sunroof motor, through the switch contacts or control module. If the control switch is depressed and held depressed the voltage signal is controlled manually through the switch contacts, so when the switch is released the sunroof stops.

Refer to the owners manual for more information on the operation of the sunroof switch and system.

DIAGNOSIS AND TESTING

The following test will determine if the sunroof control switch is operating properly.

(1) Remove the overhead console from the headliner (Refer to 8 - ELECTRICAL/OVERHEAD CONSOLE - REMOVAL).

(2) Remove the sunroof control switch from the overhead console (Refer to 23 - BODY/SUNROOF/ CONTROL SWITCH - REMOVAL).

(3) Using an ohmmeter, test the switch terminals for proper continuity using the table below. If any of the terminals do not show proper continuity, replace the sunroof control switch.

SWITCH POSITION (DEPRESSED)	CONTINUITY BETWEEN TERMINALS
VENT (V)	3, 4
OPEN (AUTO)	1, 4
CLOSE	2, 4

REMOVAL

(1) Disconnect and isolate the negative battery cable.

(2) Remove the overhead console from the headliner (Refer to 8 - ELECTRICAL/OVERHEAD CONSOLE - REMOVAL).

(3) Disconnect the sunroof control switch electrical connector. Depress the connector retaining tab and pull the connector straight out.

(4) To remove the switch from the overhead console, push on the back of the switch until it comes free from the overhead console.

INSTALLATION

(1) Install the switch in the overhead console assembly. Be certain the switch is securely snapped in place.

(2) Connect the sunroof control switch electrical connector. Be certain the switch connector is securely snapped in place.

(3) Install the overhead console (Refer to 8 - ELECTRICAL/OVERHEAD CONSOLE - INSTALLATION).

(4) Connect the negative battery cable.

WEATHERSTRIP/SEALS

TABLE OF CONTENTS

A-PILLAR SEAL

REMOVAL

(1) Open the doors and peal the seal away from the a-pillar/windshield and the side rail weather strip flanges.

INSTALLATION

(1) Position the a-pillar seal over the windshield/a-pillar and the side rail weatherstrip flanges and seat fully.

COWL WEATHERSTRIP

REMOVAL

(1) Open the hood and peal the cowl seal from the cowl panel and cowl flange.

INSTALLATION

(1) Position the weatherstrip over the cowl flange and the cowl grille and seat fully.

DOOR PRIMARY WEATHERSTRIP

REMOVAL

(1) Remove the lower b-pillar trim. (Refer to 23 - BODY/INTERIOR/B-PILLAR LOWER TRIM - REMOVAL)

(2) Peal seal off of the door opening flange.

INSTALLATION

(1) Position the seal to the bottom of the door opening, with bulb facing outboard, starting the installation at the center of the lower flange. Press the seal onto the sill flange and work around the perimeter of the door opening until fully seated. Work in one direction, smoothing the seal to avoid puckers or wrinkles.

(2) Install the lower b-pillar trim. (Refer to 23 - BODY/INTERIOR/B-PILLAR LOWER TRIM - INSTALLATION)

(3) When installing a new weatherstrip on the front door opening, remove the tear strip starting at the splice and moving around the front of the door to the back of the opening.

DOOR PRIMARY WEATHERSTRIP (Continued)

(4) When installing a new weatherstrip on the rear door opening, remove the tear strip starting at the splice and moving around the back of the door to the front of the opening.

DOOR LOWER WEATHERSTRIP

REMOVAL

(1) Carefully disengage the push pin fasteners and remove the seal.

INSTALLATION

(1) Position the seal and seat the push pin fasteners.

FRONT DOOR OUTER BELT MOLDING

REMOVAL

(1) Lower the window.
(2) Pull the outer belt molding off of the door flange starting at the rear and moving forward.

INSTALLATION

(1) Press the belt molding onto the outer door window flange starting at the rear and working forward.

SWING GATE BELTLINE WEATHERSTRIP

REMOVAL

(1) Remove the swing gate trim panel. (Refer to 23 - BODY/SWING GATE/TRIM PANEL - REMOVAL)
(2) Pull seal away from the corner tabs and remove from the swing gate flange.

INSTALLATION

(1) Install the seal over the swing gate flange and seat the corner tabs.
(2) Install the swing gate trim panel. (Refer to 23 - BODY/SWING GATE/TRIM PANEL - INSTALLATION)

SWING GATE OPENING WEATHERSTRIP

REMOVAL

(1) Open the swing gate and peal seal off of the gate opening flange.

INSTALLATION

(1) Position the seal to the bottom of the gate opening starting the installation at the center of the flange. Press the seal onto the sill flange and work around the perimeter of the door opening until fully seated. Work in one direction, smoothing the seal to avoid puckers or wrinkles.

REAR DOOR OUTER BELT MOLDING

REMOVAL

(1) Lower the window.
(2) Pull the outer belt molding off of the door flange starting at the rear and moving forward.

INSTALLATION

(1) Press the belt molding onto the outer door window flange starting at the front and working back.

SIDE RAIL WEATHERSTRIP/ RETAINER

REMOVAL

(1) Remove the windshield weatherstrip retainer. (Refer to 23 - BODY/WEATHERSTRIP/SEALS/ WINDSHIELD A-PILLAR WEATHERSTRIP/RETAINER - REMOVAL)
(2) Remove the two screws.
(3) Using a trim stick C-4755 or equivalent, release the push in fasteners and remove the weatherstrip.

INSTALLATION

(1) Position the weatherstrip and seat the push in fasteners.
(2) Install the two screws.
(3) Install the windshield weatherstrip. (Refer to 23 - BODY/WEATHERSTRIP/SEALS/WINDSHIELD A-PILLAR WEATHERSTRIP/RETAINER - INSTALLATION)

WINDSHIELD A-PILLAR WEATHERSTRIP/RETAINER

REMOVAL

(1) Open the doors and peal the a-pillar seal away from the a-pillar/windshield and the side rail weather strip flanges.
(2) Remove the seven screws and remove the weatherstrip.

WINDSHIELD A-PILLAR WEATHERSTRIP/RETAINER (Continued)

INSTALLATION

(1) Position the weatherstrip and install the seven screws.

(2) Position the a-pillar seal over the windshield/a-pillar and the side rail weatherstrip flanges and seat fully.

COWL/PLENUM SEAL

REMOVAL

(1) Remove the cowl grille. (Refer to 23 - BODY/EXTERIOR/COWL GRILLE - REMOVAL)

(2) Remove the seal from the plenum flange above the air inlet duct.

INSTALLATION

NOTE: Seal should not be touching the plenum baffle flange seal.

(1) Position the seal on the plenum flange and seat fully.

(2) Install the cowl grille. (Refer to 23 - BODY/EXTERIOR/COWL GRILLE - INSTALLATION)

COWL/PLENUM WINDOW BAFFLE SEAL

REMOVAL

(1) Remove the cowl grille. (Refer to 23 - BODY/EXTERIOR/COWL GRILLE - REMOVAL)

(2) Remove the seal from the window below the cowl/plenum seal.

INSTALLATION

(1) Position the seal against the upper flange of the inner plenum window below the cowl/plenum seal and seat fully.

(2) Install the cowl grille. (Refer to 23 - BODY/EXTERIOR/COWL GRILLE - INSTALLATION)