

TECHNICAL BULLETIN

**INSTALLATION, REMOVAL, AND
PARTS INSTRUCTIONS**

FOR

**ADD ON ARMOR (AOA) AND
ASSOCIATED COMPONENTS FOR HMMWV
FAMILY OF VEHICLES (FOVs)**

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HEADQUARTERS, DEPARTMENT OF THE ARMY

JULY 2005

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NO. 9-2510-251-24

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 29 July 2005

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TABLE OF CONTENTS

	Page
INTRODUCTION	
Section I. Scope.....	v
Section II. Notes	v
Section III. General Information.....	v
Section IV. Maintenance Forms, Records, and Reports	v
Section V. Consolidated Index of Army Publications.....	v
CHAPTER 1	INSTALLATION – HARd KIT
1-1	Installation Procedures Reference Index..... 1-1
1-2	Left Side A-Pillar Armor Installation (2 and 4 Door)..... 1-2
1-3	Right Side A-Pillar Armor Installation (2 and 4 Door) 1-6
1-4	B-Pillar Armor Installation (2 and 4 Door)..... 1-10
1-5	Left Side Rocker Panel Armor Installation (2 and 4 Door) 1-12
1-6	Right Side Rocker Panel Armor Installation (2 and 4 Door)..... 1-14
1-7	Front Door Ramp Block Installation (2 and 4 Door)..... 1-16
1-8	Rear Door Ramp Block Installation (4 Door Only)..... 1-20
1-9	C-Partition Installation (4 Door Only)..... 1-23
1-10	Rear Partition Installation (2 Door Only) 1-34
1-11	Antenna Mount Installation (4 Door Only) 1-44
1-12	Rear Door Assembly Installation (4 Door Only)..... 1-46
1-13	Front Door Assembly Installation (2 and 4 Door) 1-48
1-14	Windshield Installation (2 and 4 Door) 1-51
CHAPTER 2	REMOVAL – HARd KIT
2-1	Removal Procedures Reference Index.....2-1
2-2	Windshield Removal (2 and 4 Door)..... 2-2
2-3	Door Removal (2 and 4 Door) 2-5
2-4	Left Side A and B Pillar Armor Removal (2 and 4 Door) 2-9
2-5	Right Side A and B Pillar Armor Removal (2 and 4 Door)..... 2-12
2-6	C-Partition Removal (4 Door Only) 2-15
2-7	Rear Partition Removal (2 Door Only)..... 2-21
2-8	Left Side Rocker Panel Armor Removal (2 and 4 Door)..... 2-26
2-9	Right Side Rocker Panel Armor Removal (2 and 4 Door) 2-28
CHAPTER 3	PARTS LIST -- HARd KIT
3-1	List of Figures..... 3-1
3-1	A-Pillar Armor (Sheet 1 of 2) (2 and 4 Door) 3-3
3-1	A-Pillar Armor (Sheet 2 of 2) (2 and 4 Door) 3-4

CHAPTER 3 PARTS LIST -- HARd KIT (CON'T)

3-2	Door Striker Assembly (2 and 4 Door).....	3-6
3-3	Front Door Ramp Block (2 and 4 Door).....	3-9
3-4	B-Pillar Armor (2 and 4 Door)	3-10
3-5	Rear Door Ramp Block (4 Door Only).....	3-13
3-6	Upper C-Partition (4 Door Only).....	3-14
3-7	C-Partition Isolator Brackets (4 Door Only).....	3-16
3-8	Rear Partition and C-Partition Rubber (2 and 4 Door)	3-19
3-9	Rear Seat Backing (4 Door Only).....	3-20
3-10	C-Partition Support Mounts (4 Door Only).....	3-22
3-11	Rear Partition (Sheet 1 of 2) (2 Door Only)	3-23
3-11	Rear Partition (Sheet 2 of 2) (2 Door Only)	3-24
3-12	Rear Partition Insulation (2 Door Only)	3-28
3-13	Left Side Lower C-Pillar Armor Rocker Panel (2 and 4 Door)	3-30
3-14	Right Side Lower C-Pillar Armor Rocker Panel (2 and 4 Door).....	3-32
3-15	Windshield Armor (2 and 4 Door).....	3-34
3-16	Windshield Glass (2 and 4 Door).....	3-36
3-17	Door Assembly (Sheet 1 of 5) (2 and 4 Door).....	3-38
3-17	Door Assembly (Sheet 2 of 5) (2 and 4 Door).....	3-39
3-17	Door Assembly (Sheet 3 of 5) (2 and 4 Door).....	3-40
3-17	Door Assembly (Sheet 4 of 5) (2 and 4 Door).....	3-41
3-17	Door Assembly (Sheet 5 of 5) (2 and 4 Door).....	3-42
3-18	Combat Lock Assembly (2 and 4 Door).....	3-48

CHAPTER 4 INSTALLATION – ADD ON ARMOR (AOA) KIT

4-1	Scope.....	4-1
4-2	Tools Required.....	4-1
4-3	Armor Kit Installation Instructions.....	4-2
4-4	Armor Kit Installation Instructions.....	4-6
4-5	Armor Kit Installation Instructions.....	4-9
4-6	Armor Kit Installation Instructions.....	4-12
4-7	Armor Kit Installation Instructions.....	4-15
4-8	Armor Kit Installation Instructions.....	4-16
4-9	Armor Kit Installation Instructions.....	4-19
4-10	Armor Kit Installation Instructions.....	4-22
4-11	Armor Kit Installation Instructions.....	4-24

CHAPTER 5 PARTS LIST – ADD ON ARMOR (AOA) KIT

5-1	List of Figures -- Add On Armor (AOA) Kit.....	5-1
Figure 1	Front Door Assembly.....	5-2
Figure 2	Back Plate Supports (2 Door Only).....	5-4
Figure 3	Left Front Skirt Armor.....	5-6
Figure 4	Rear Rocker Panel Armor.....	5-8
Figure 5	Front Rocker Panel Armor.....	5-10
Figure 6	Front Door Striker.....	5-12

TB 9-2510-251-24

CHAPTER 5 PARTS LIST – ADD ON ARMOR (AOA) KIT (CON'T)

Figure 7	Rear Door Striker.....	5-14
Figure 8	Right Front Skirt Armor.....	5-16
Figure 9	Rear Partition.....	5-18
Figure 10	Rear Door Assembly.....	5-20
Figure 11	Front Door Assembly.....	5-22

INTRODUCTION

Section I. SCOPE

This Technical Bulletin (TB) provides installation, removal, and parts instructions for the HMMWV Add On Armor (AOA) kit. The AOA kit provides crew protection against Soviet AK-47 and Sniper SVD weapons in addition to providing crew protection against some blast and fragment damage from Improvised Explosive Devices (IEDs).

Section II. NOTES

Section III. GENERAL INFORMATION

Section IV. MAINTENANCE FORMS, RECORDS, AND REPORTS

Section V. CONSOLIDATED INDEX OF ARMY PUBLICATIONS

CHAPTER 1 INSTALLATION – HARd KIT

Section I. PERIMETER INSTALLATION PROCEDURES

1-1. INSTALLATION PROCEDURES REFERENCE INDEX

REF. PARA	TITLE	PAGE
1-1	Installation Procedures Reference Index.....	1-1
1-2	Left Side A-Pillar Armor Installation (2 and 4 Door).....	1-2
1-3	Right Side A-Pillar Armor Installation (2 and 4 Door).....	1-6
1-4	B-Pillar Armor Installation (2 and 4 Door).....	1-10
1-5	Left Side Rocker Panel Armor Installation (2 and 4 Door).....	1-12
1-6	Right Side Rocker Panel Armor Installation (2 and 4 Door).....	1-14
1-7	Front Door Ramp Block Installation (2 and 4 Door).....	1-16
1-8	Rear Door Ramp Block Installation (4 Door Only).....	1-20
1-9	C-Partition Installation (4 Door Only).....	1-23
1-10	Rear Partition Installation (2 Door Only).....	1-34
1-11	Antenna Mount Installation (4 Door Only).....	1-44
1-12	Rear Door Assembly Installation (4 Door Only).....	1-46
1-13	Front Door Assembly Installation (2 and 4 Door).....	1-48
1-14	Windshield Installation (2 and 4 Door).....	1-51

1-2. LEFT SIDE A-PILLAR ARMOR INSTALLATION (2 AND 4 DOOR)

TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-1	1	REF	VEHICLE BODY	REF
	2	6430685-01M1	A-PILLAR ARMOR, LEFT	1
	3	4397000-036	CAPSCREW, HEX HEAD, 0.312-18 X 1.25 IN.	2
	4	4397004-007	WASHER, SPLIT LOCKING 0.312	2
1-2	1	6430696-01M1	CHANNEL, A-PILLAR REINFORCEMENT, LEFT	1
	2	6430698-01M1	BAR, A-PILLAR REFORCEMENT, COMMON	1
	3	6430699-01M1	INSERT, A-PILLAR REINFORCEMENT, LONG	9
	4	6430700-01M1	INSERT, A-PILLAR REINFORCEMENT, SHORT	6

a. Installation

- 1) Pre-fit left side A-pillar armor as follows (see figure 1-1).
 - a. Position and align A-pillar armor (2) with vehicle (1) per figure 1-1.
 - b. Install c-clamps to secure A-pillar armor (2) in position on vehicle (1).
 - c. Install two capscrews (3) and locking washers (4) per figure 1-1. Do not torque capscrews (3).
 - d. Match drill nine 1/2-inch holes through A-pillar armor (2) into vehicle (1) as shown in figure 1-1.
 - e. Transfer and drill three 1/2-inch gap plate holes per figure 1-1. Transfer and drill six 1/2-inch A-pillar armor hole locations per figure 1-1.
 - f. Remove c-clamps.

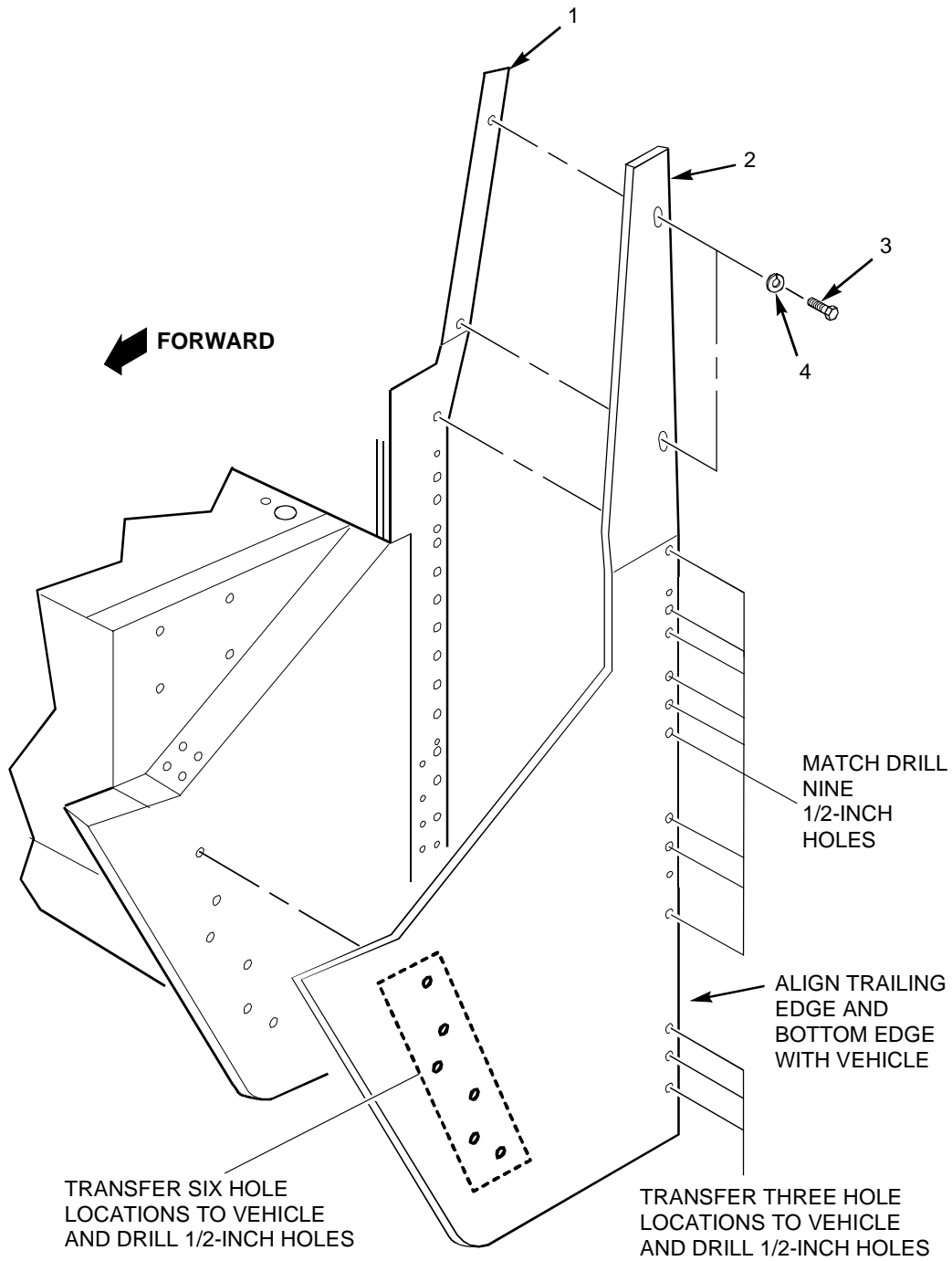


Figure 1-1. Left Side A-Pillar Armor Pre-Installation Fit (2 and 4 Door)

- 2) Install left side A-pillar reinforcement, A-pillar armor, and left front door assembly (see figure 1-2).
 - a. Apply sealing compound to threads of nine A-pillar reinforcement long inserts (3) and six A-pillar reinforcement short inserts (4).
 - b. Install six A-pillar reinforcement short inserts (4) in left A-pillar reinforcement channel (1).
 - c. Install left A-pillar reinforcement channel (1) to A-pillar reinforcement bar (2) with nine A-pillar reinforcement long inserts (3) per figure 1-2.

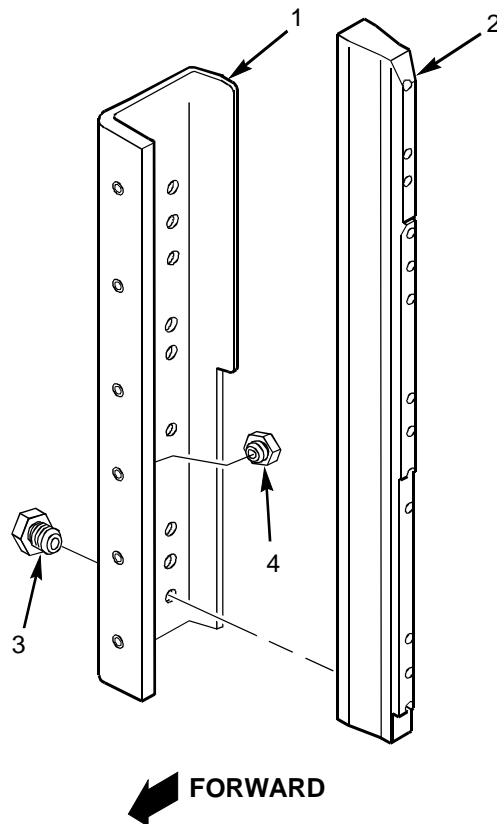


Figure 1-2. Left A-Pillar Reinforcement Installation (2 and 4 Door)

1-3. RIGHT SIDE A-PILLAR ARMOR INSTALLATION (2 AND 4 DOOR)

TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-3	1	REF	VEHICLE BODY	REF
	2	6430686-01M1	A-PILLAR ARMOR, RIGHT	1
	3	4397000-036	CAPSCREW, HEX HEAD, 0.312-18 X 1.25 IN.	2
	4	4397004-007	WASHER, SPLIT LOCKING 0.312	2
1-4	1	6430697-01M1	CHANNEL, A-PILLAR REINFORCEMENT, RIGHT	1
	2	6430698-01M1	BAR, A-PILLAR REFORCEMENT, COMMON	1
	3	6430699-01M1	INSERT, A-PILLAR REINFORCEMENT, LONG	9
	4	6430700-01M1	INSERT, A-PILLAR REINFORCEMENT, SHORT	4
	5	REF	VEHICLE BODY	REF
	6	REF	A-PILLAR ARMOR, RIGHT	REF
	7	REF	RIGHT DOOR ASSEMBLY (WITH DOOR HINGE ASSY)	REF
	8	REF	DOOR HINGE COVER STRIP	REF
	9	4397005-014	WASHER, FLAT, 0.375 IN.	9
	10	4397000-062	CAPSCREW, HEX HEAD, 0.375-16 X 1.25 IN.	9

a. Installation

- 1) Pre-fit right side A-pillar armor as follows (see figure 1-3).
 - a. Position and align A-pillar armor (2) with vehicle (1) per figure 1-3.
 - b. Install c-clamps to secure A-pillar armor (2) in position on vehicle (1).
 - c. Install two capscrews (3) and locking washers (4) per figure 1-3. Do not torque capscrews (3).
 - d. Match drill nine 1/2-inch holes into A-pillar as shown in figure 2-3. Match drill six 1/2-inch holes from A-pillar armor (2) through vehicle (1). Match drill three 1/2-inch gap plate holes through vehicle (1).
 - e. Remove c-clamps.

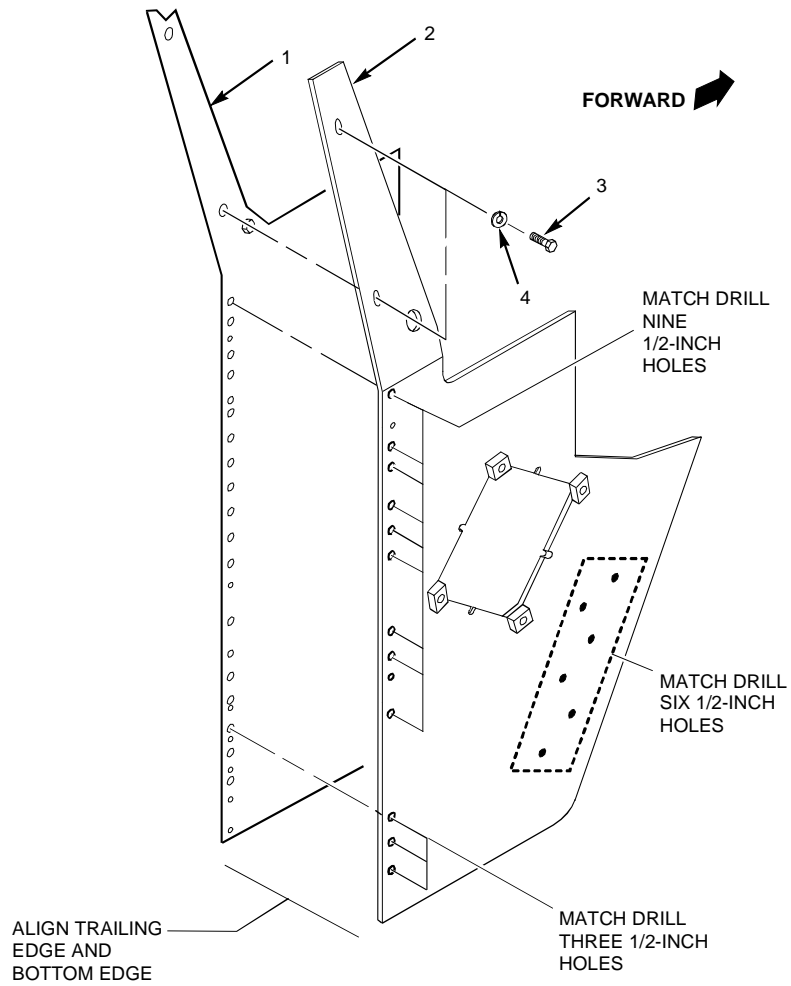


Figure 1-3. Right Side A-Pillar Armor Pre-Installation Fit (2 and 4 Door)

TB 9-2510-251-24

- 2) Install right side A-pillar reinforcement and A-pillar armor as follows (see figure 1-4).
 - a. Apply Sealing compound to threads of nine A-Pillar reinforcement long inserts (3) and four A-Pillar reinforcement short inserts (4).
 - b. Install four A-Pillar reinforcement short inserts (4) in right A-pillar reinforcement channel (1).
 - c. Install right A-pillar reinforcement channel (1) to A-pillar reinforcement bar (2) with nine A-Pillar reinforcement long inserts (3) per figure 1-4.

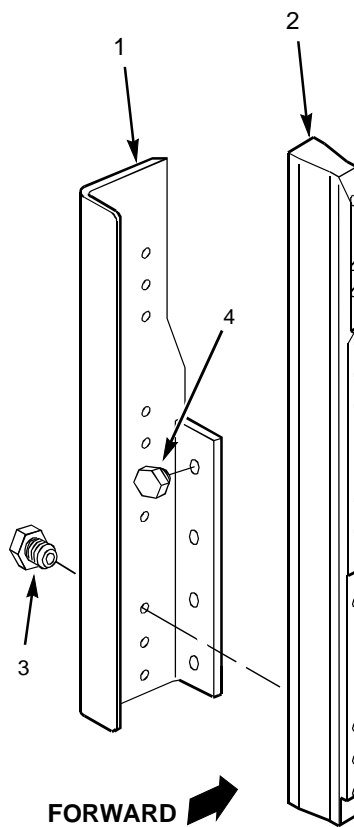


Figure 1-4. Right A-Pillar Reinforcement Installation (2 and 4 Door)

1-4. B-PILLAR ARMOR INSTALLATION (2 AND 4 DOOR)

TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-5	1	6430701-01M1	TAPPING STRIP, B-PILLAR HINGE	2
	2	6430716-01M1	COVER STRIP, HINGE-FRONT	2
	3	4397005-014	WASHER, FLAT, 0.375 IN.	2
	4	4397000-058	CAPSCREW, HEX HEAD, 0.375-16 X 0.75 IN.	2
	5	6430684-01M1	B-PILLAR ARMOR	2
	6	4397050-049	UPSET FASTENER, AVK-SHORT, 0.375-16 X 0.75 IN.	2

a. Installation

- 1) Install B-pillar armor as follows (see figure 1-5).
 - a. Position B-pillar cover strip (2) onto lower B-pillar aligning with two 3/8-drill bits in upper holes. Clamp B-pillar cover strip (2) in place.
 - b. Match drill seven 13/64-inch holes in lower B-pillar using B-pillar cover strip (2) as a guide. Remove clamp and drill bits and retain B-pillar cover strip (2).
 - c. Clean out drill shavings from behind hat section in B-pillar (see figure 1-5 for cleanout location).
 - d. Insert B-pillar tapping strip (1) per figure 2-5.
 - e. Install upper B-pillar (TM 9-2320-280-20-3, para. 10-67).
 - f. Install upset fastener (6) in upper B-pillar.
 - g. Install B-pillar armor (5) securing with capscrew (4) and washer (3). Do not tighten capscrew (4)
 - h. Repeat steps a. through g. for opposite side of vehicle.

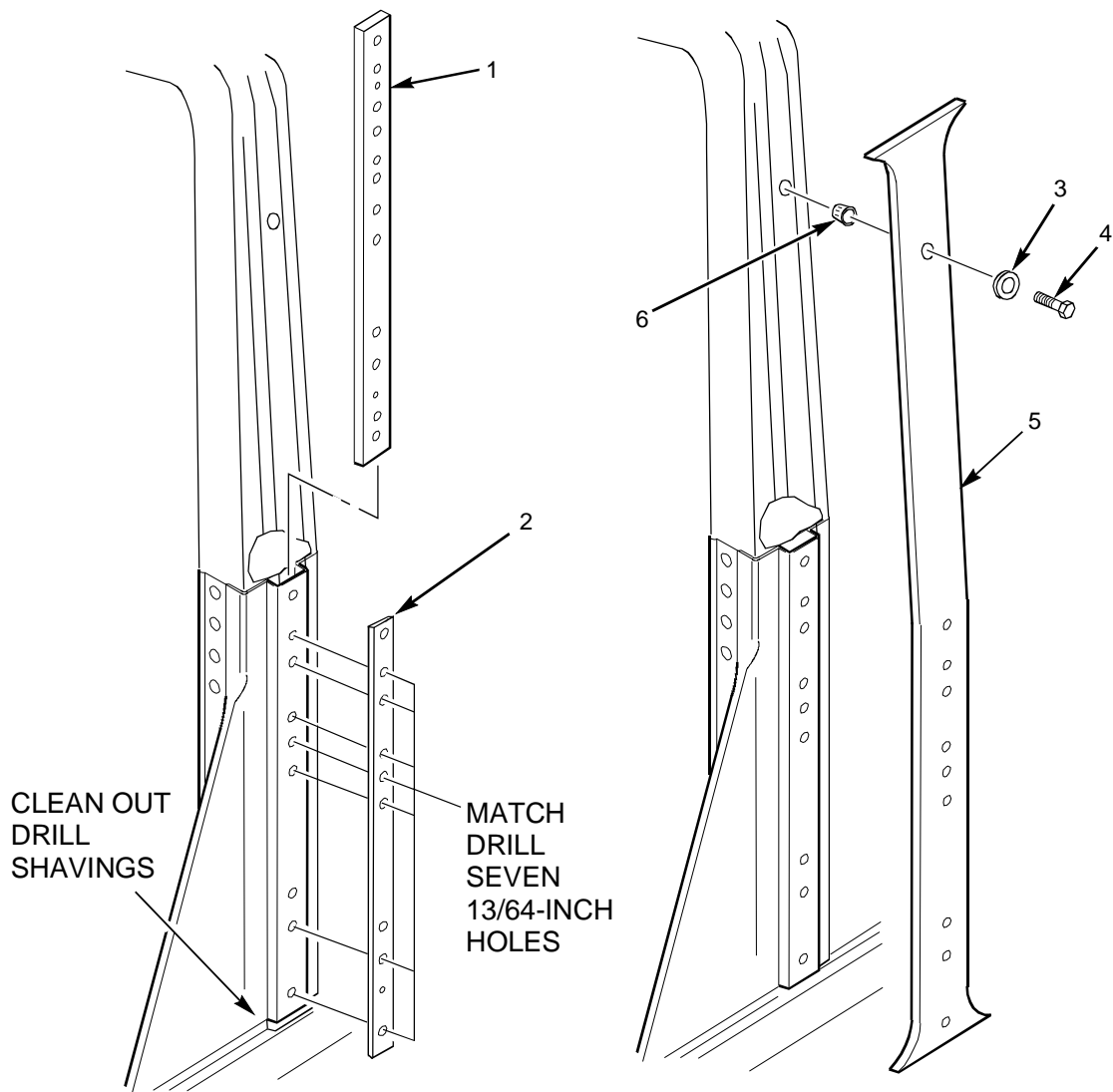


Figure 1-5. B-Pillar Armor Pre-installation Fit (2 and 4 Door)

1-5. LEFT SIDE ROCKER PANEL ARMOR INSTALLATION (2 AND 4 DOOR)

TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-6	1	REF	OEM CAPSCREWS	REF
	2	4660870-002	GAP PLATE, A-PILLAR TO ROCKER	1
	3	4397000-010	CAPSCREW, HEX HEAD, 0.250-20 X 1.25 IN.	2
	4	4397005-010	WASHER, FLAT, 0.250 IN.	2
	5	4397000-062	CAPSCREW, HEX HEAD, 0.375-16 X 1.25 IN.	9
	6	4397005-014	WASHER, FLAT, 0.375 IN.	18
	7	4397064-001	NUT, LOCKING, 0.250-20	2
	8	4397064-005	NUT, LOCKING, 0.375-16	9
	9	6430683-01M1	ROCKER, LOWER C-PILLAR ARMOR	1

a. Installation

- 1) Position left rocker panel armor (9) to vehicle and c-clamp in place (see figure 1-6).
 - a. Match drill 11 each 13/32-inch holes through vehicle. Do not remove c-clamps.
 - b. Apply sealing compound to capscrews (1), (3), and (5).
 - c. Install left side rocker panel (9) with nine capscrews (5), washers (6), and locknuts (8).
 - d. Install gap plate (2) with three capscrews (1), two capscrews (3), two washers (4), and two locknuts (7) per figure 1-6. Torque two capscrews (3) to 10 lb ft (14 N•m).
 - e. Torque capscrews (1) and (5) to 37 lb ft (50 N•m). Remove c-clamps.

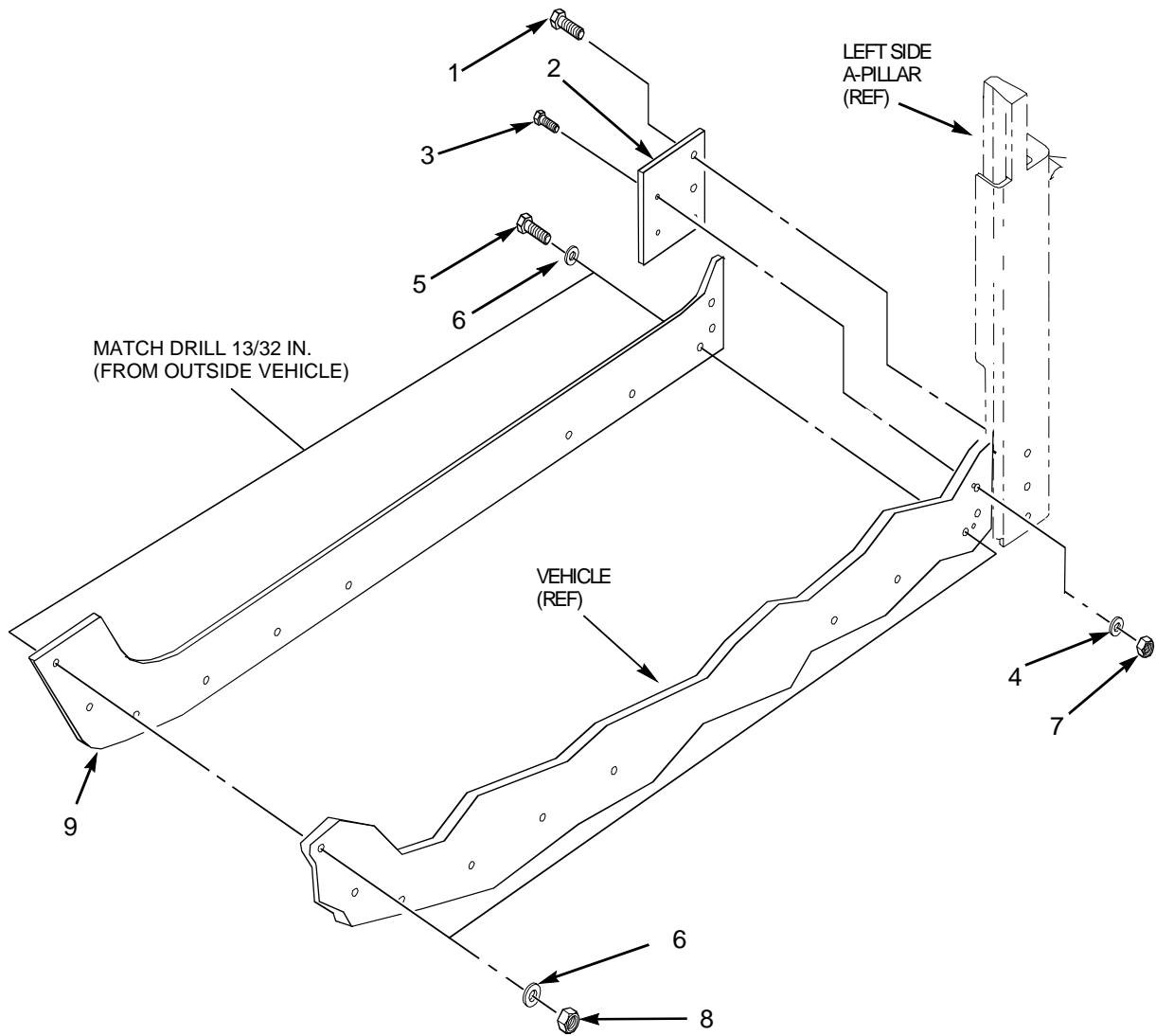


Figure 1-6. Left Rocker Panel Armor Installation (2 and 4 Door)

1-6. RIGHT SIDE ROCKER PANEL ARMOR INSTALLATION (2 AND 4 DOOR)

TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-7	1	4660870-002	GAP PLATE, A-PILLAR TO ROCKER	1
	2	REF	OEM CAPSCREW	REF
	3	4397005-010	WASHER, FLAT, 0.250 IN.	2
	4	4397000-010	CAPSCREW, HEX HEAD, 0.250-20 X 1.25 IN.	2
	5	4397005-014	WASHER, FLAT, 0.375 IN.	18
	6	4397000-062	CAPSCREW, HEX HEAD, 0.375-16 X 1.25 IN.	9
	7	6430683-01M1	ROCKER, LOWER C-PILLAR ARMOR	1
	8	4397050-049	UPSET FASTENER, AVK-SHORT, 0.375-16 X 0.75 IN.	2
	9	4397064-005	NUT, LOCKING, 0.375-16	9
	10	4397064-001	NUT, LOCKING, 0.250-20	2

a. Installation

- 1) Position right rocker panel armor (7) to vehicle and c-clamp in place (see figure 1-7).
 - a. Match drill 11 each 13/32-inch holes through vehicle. Do not remove c-clamps.
 - b. Apply sealing compound to capscrews (2), (4), and (6).
 - c. Install right side rocker panel (7) with nine capscrews (6), washers (5), and seven locknuts (9). Ensure two
 - d. upset fasteners (8) have been previously installed (see figure 1-7).
 - e. Install gap plate (1) with three capscrews (2), two capscrews (4), two washers (3), and two locknuts (10) per figure 2-7.
 - f. Torque two capscrews (4) to 10 lb ft (14 N•m). Torque three capscrews (2) to 37 lb ft (50 N•m).
 - g. Torque seven capscrews (6) to 37 lb ft (50 N•m). Torque two capscrews (6) installed in upset fasteners to 23 lb ft (31 N•m). Remove c-clamps.

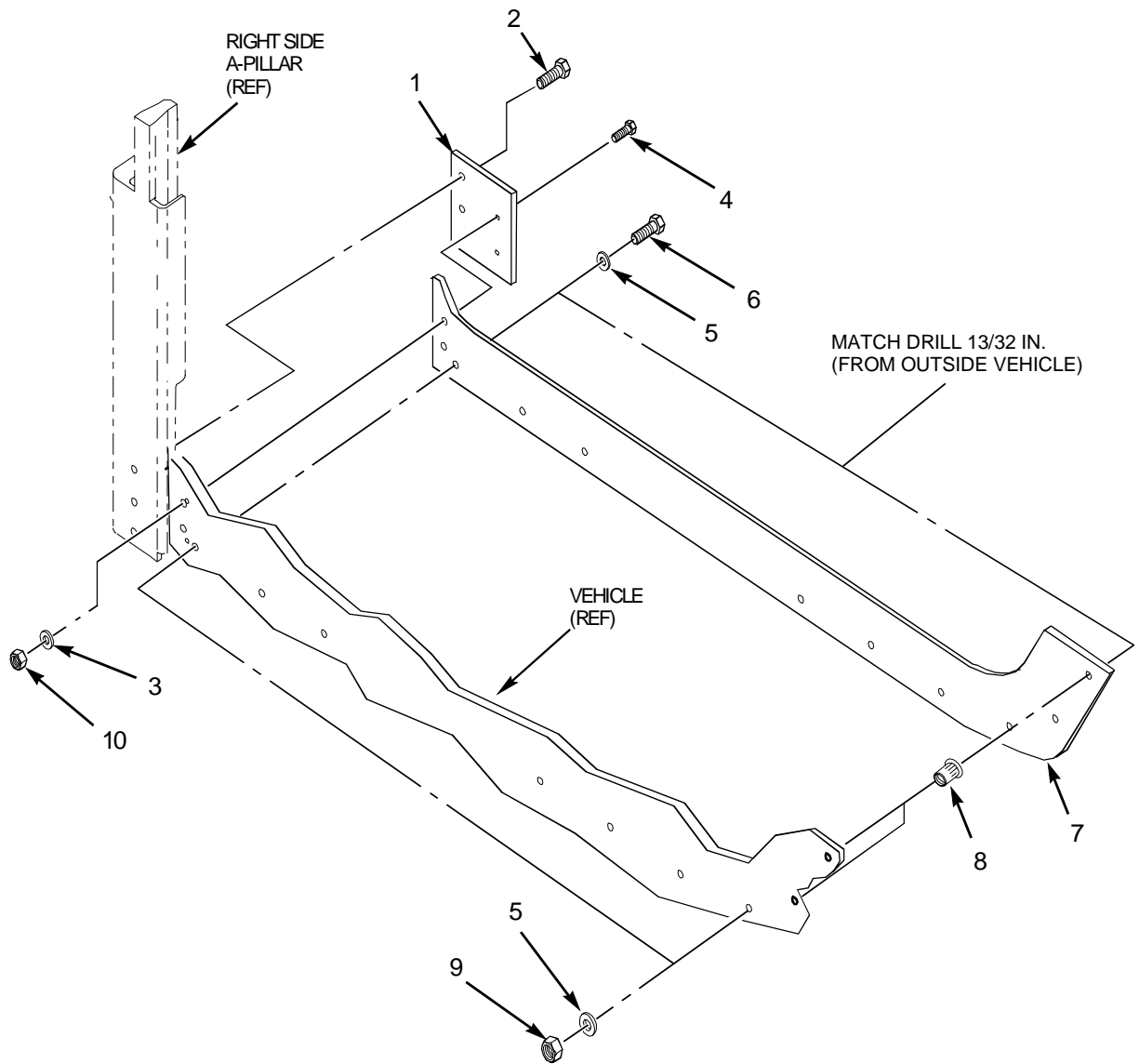


Figure 1-7. Right Rocker Panel Armor Installation (2 and 4 Door)

1-7. FRONT DOOR RAMP BLOCK INSTALLATION (2 AND 4 DOOR)

TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

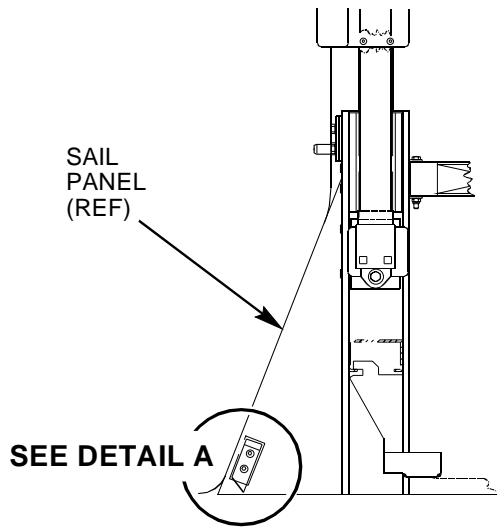
MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-8	1	4660915-000	SPACER, RAMP BLOCK, FRONT LOWER	REF
1-9	1	4397015-094	SCREW, SOCKET HEAD, 0.250-20 X 1.25 IN.	4
	2	6431266-01M1	SPACER, RAMP BLOCK, FRONT COMBAT LOCK	2
	3	4660914-000	RAMP BLOCK, FRONT, LOWER	2
	4	4660915-000	SPACER, RAMP BLOCK, FRONT LOWER	2

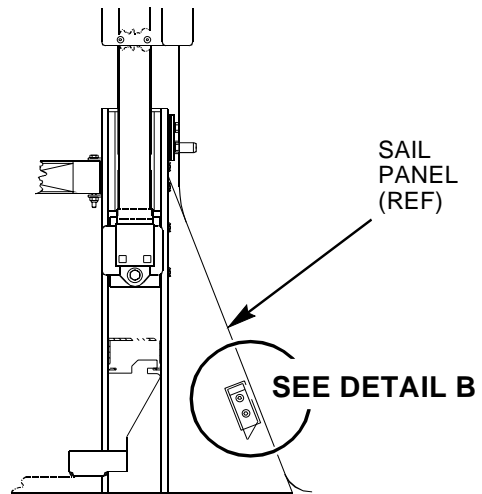
a. Installation

- 1) Install front door ramp block (see figures 1-8 and 1-9).
 - a. Position front door ramp block (1) onto sail panel (left side positioned at first rivet; right side positioned at second rivet).
 - b. Match drill two places each side 17/32-inch as shown in figure 1-8.
 - c. Apply sealing compound to two capscrews (1). Install front door ramp block (4), lower front ramp block (2), and spacer (3) with two capscrews (1). (See figure 1-9.)
 - d. Torque capscrews (1) to 10 ft lb (14 N•m).
 - e. Repeat steps a. and d. for opposite side of vehicle.

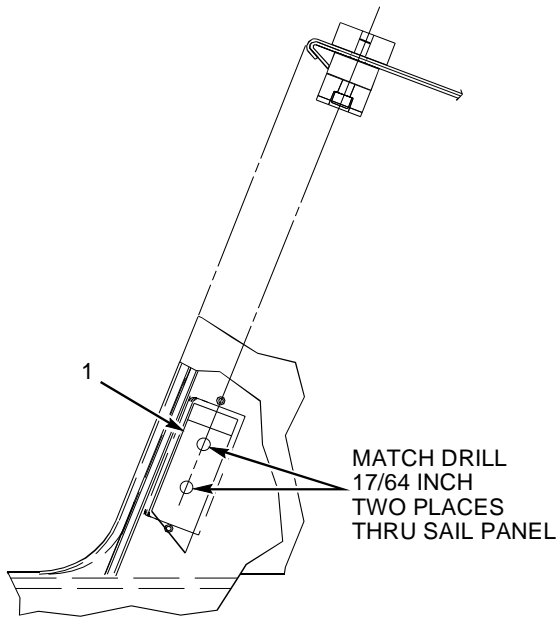
LEFT SIDE B PILLAR



RIGHT SIDE B PILLAR



DETAIL A



DETAIL B

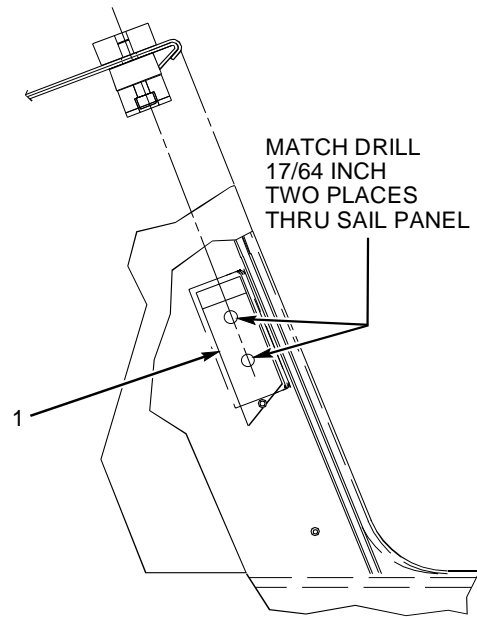


Figure 1-8. Front Door Ramp Block Locations (2 and 4 Door)

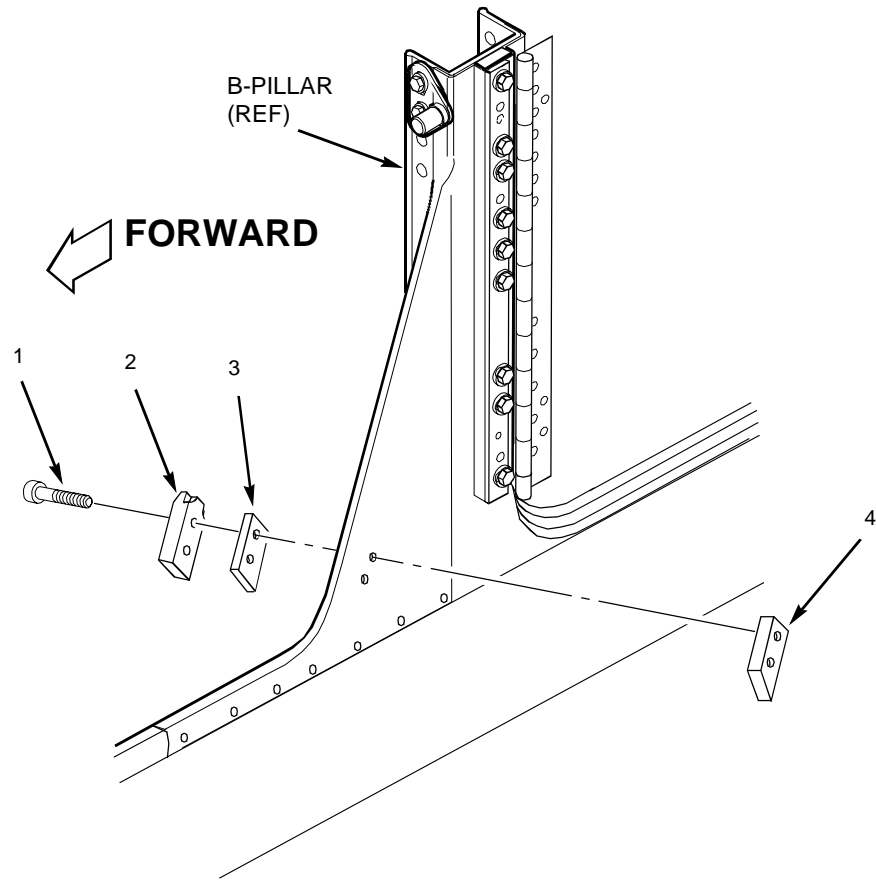


Figure 1-9. Front Door Ramp Block Installation (2 and 4 Door)

1-8. REAR DOOR RAMP BLOCK INSTALLATION (4 DOOR ONLY)

TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-10	1	4397000-008	CAPSCREW, HEX HEAD, 0.250-20 X 1.00 IN.	4
	2	4660909-002	REAR RAMP BLOCK, LOWER LEFT	1
	2	4660910-002	REAR RAMP BLOCK, LOWER RIGHT	1
	3	4397064-001	NUT, LOCKING, 0.250-20	4

a. Installation

- 1) Install left and right rear door ramp blocks (see figure 1-10).
 - a. Position rear door ramp block (2) onto C-beam centering about existing rivet and pushed against rocker.
 - b. Match drill two 17/64-inch holes per figure 1-10.
 - c. Apply Sealing compound to two capscrews (1).
 - d. Install rear door ramp block (2) with two capscrews (1) and locknuts (3).
 - e. Torque capscrews (1) to 10 lb ft (14 N•m).
 - f. Repeat steps a. through e. for opposite side of vehicle.

FORWARD LOOKING AFT

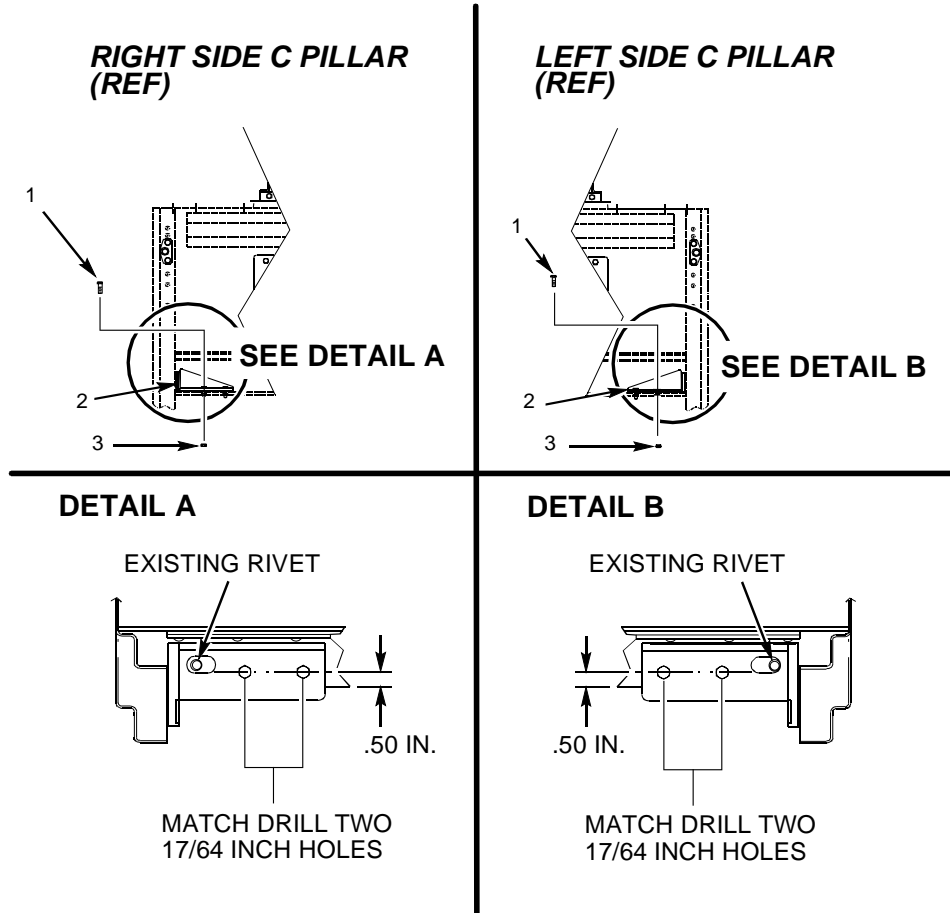


Figure 1-10. Rear Door Ramp Block Installation (4 Door Only)

1-9. C - PARTITION INSTALLATION (4 DOOR ONLY)
--

TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-11	1	7P0013	C-PARTITION RUBBER, NEOPREEN 60 DUROMETER	AR
1-12	1	6430694-01M1	BRACKET, SUPPORT, REAR PARTITION, LEFT	1
	1	6430695-01M1	BRACKET, SUPPORT, REAR PARTITION, RIGHT	1
	2	4397000-008	CAPSCREW, HEX HEAD, .250-20 X 1.00 IN.	8
	3	4397005-010	WASHER, FLAT, 0.250 IN.	8
	4	4397064-001	NUT, LOCKING, 0.250-20	8
1-13	1	6430647-01M1	C-PARTITION ASSEMBLY-RIGHT	1
	2	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	8
	3	6430648-01M1	C-PARTITION ASSEMBLY-LEFT	1
	4	4397005-075	WASHER, FLAT, 0.406 IN.	16
	5	4668958-003	BUSHING, MOUNT, ISOLATION	8
	6	4397064-005	NUT, LOCKING, 0.375-16	4
	7	4660655-000	BRACKET, MOUNT, ISOLATION	4
	8	4397001-033	CAPSCREW, HEX HEAD, 0.312-24 X .88 IN.	16
	9	4397005-075	WASHER, FLAT, 0.406 IN.	4
	10	4397000-067	CAPSCREW, HEX HEAD, 0.375-16 X 2.25 IN.	4
	11	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	6
	12	6430646-01M1	PARTITION GAP STRIP, LOWER	1
	13	4397005-014	WASHER, FLAT, 0.375 IN.	6
	14	4397064-005	NUT, LOCKING, 0.375-16	6
	15	6430645-01M1	PARTITION GAP STRIP, UPPER	1
	16	4397064-005	NUT, LOCKING, 0.375-16	8
	17	4397005-014	WASHER, FLAT, 0.375 IN.	8
	18	4397005-012	WASHER, FLAT, 0.312 IN.	16

TB 9-2510-251-24

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-14	1	6430647-01M1	C-PARTITION ASSEMBLY-RIGHT	REF
	2	6430648-01M1	C-PARTITION ASSEMBLY-LEFT	REF
	3	4397064-005	NUT, LOCKING, 0.375-16	4
	4	4397005-075	WASHER, 0.406 IN.	8
	5	4668958-003	BUSHING, MOUNT, ISOLATION	8
	6	4660520-002	BRACKET, ISOLATER	2
	7	4397000-067	CAPSCREW, HEX HEAD, 0.375-16 X 2.25 IN.	4
	8	4660545-011	SHIM (0.030 IN.)	AR
	8	4660545-012	SHIM (0.060 IN.)	AR
	9	4660656-000	PLATE, TAPPING, C-PARTITION	2
	10	4397000-008	CAPSCREW, HEX HEAD, 0.250-20 X 1.00 IN.	8
	11	4397005-010	WASHER, 0.250 IN.	8
1-15	1	4397000-008	CAPSCREW, HEX HEAD, 0.250-20 X 1.00 IN.	2
	2	4397005-010	WASHER, FLAT, 0.250 IN.	4
	3	4660680-002	BRACKET, REAR SEAT BACKING PLATE SUPPORT	1
	4	4397064-001	NUT, LOCKING, 0.250-20	2
	5	4397050-049	UPSET FASTENER, AVK-SHORT, 0.375-16	2
	6	4397005-014	WASHER, FLAT, 0.375 IN.	2
	7	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	2
	8	6430631-01M1	REAR SEAT BACKING PLATE, DRIVER SIDE	1
	8	6430632-01M1	REAR SEAT BACKING PLATE, PASSENGER SIDE	1
	9	4397005-014	WASHER, FLAT, 0.375 IN.	3
	10	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	3

a. Installation

- 1) Install C-partition rubber as follows (see figure 1-11).
 - a. Cut rubber strip (1) as shown in figure 1-11. Apply double-sided tape to one side of rubber strip (1).
 - b. Clean application area with denatured alcohol.
 - c. Apply rubber strip (1) to vehicle as shown in figure 1-11.

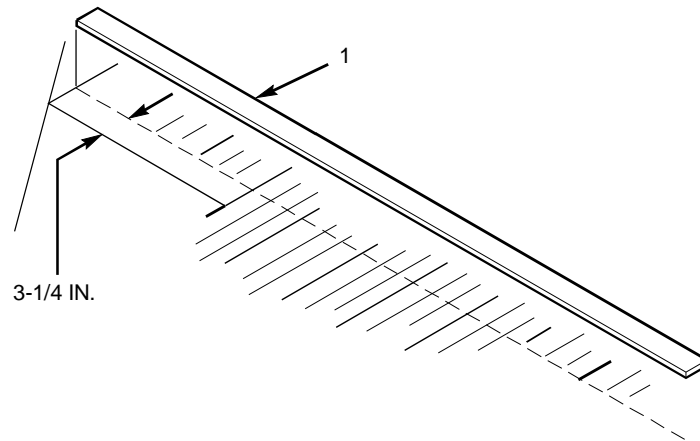


Figure 1-11. C-Partition Rubber Installation (4 Door Only)

TB 9-2510-251-24

- 2) Install C-partition support mounts as follows (see figure 1-12).
 - a. Locate C-partition support mount (1) on vehicle rear wheel house as shown in figure 1-12.
 - b. Match drill four (two on each side of support mount) 9/32 inch holes through C-partition support mount (1) and vehicle rear wheel house.
 - c. Grind rivets flushed on inside of rear wheel house, as required, to ensure a flush fit of nuts (4).
 - d. Install eight capscrews (2), washers (3), and locknuts (4) to secure C-partition support mount (1). Torque capscrews (2) to 10 lb ft (14 N•m).
 - e. Repeat a. through d. on opposite side of vehicle.

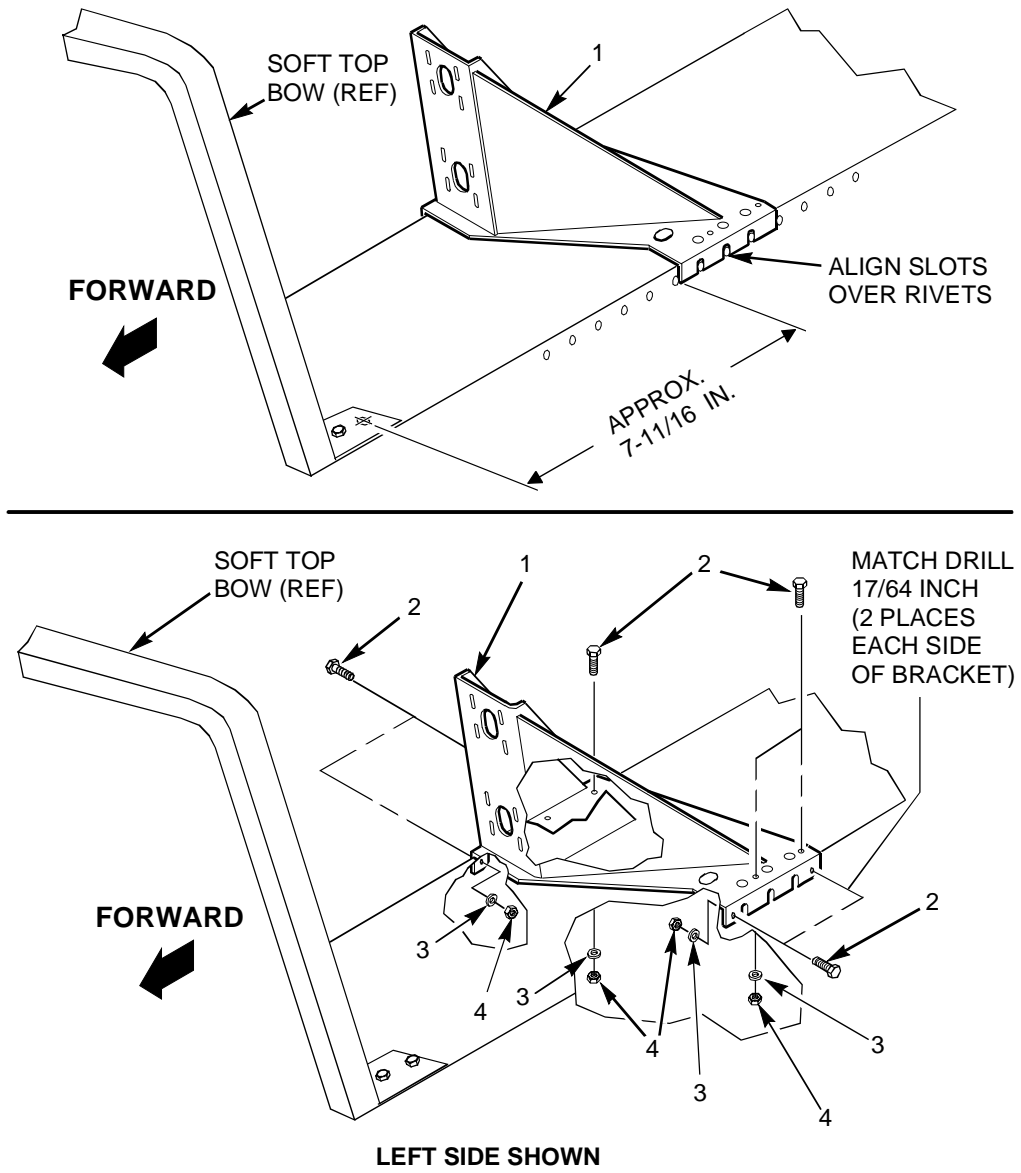


Figure 1-12. C-Partition Support Mount(s) Installation (4 Door Only)

TB 9-2510-251-24

- 3) Install C-partition as follows (see figure 1-13).
 - a. Apply Sealing compound to 16 capscrews (8).
 - b. Position left C-partition (3) and right C-partition (1) onto vehicle.
 - c. Install upper C-partition gap strip (15) onto left C-partition (3) and secure with four capscrews (2), washers (17) and locknuts (16). Torque capscrews (2) to 37 lb ft (50 N•m).
 - d. Secure right C-partition (1) to C-partition gap strip (15) with four capscrews (2), washers (17) and locknuts (16). Torque capscrews (2) to 37 lb ft (50 N•m).
 - e. Install lower C-partition gap strip (12) onto left C-partition (3) and secure with three capscrews (11), washers (13) and locknuts (14). Torque capscrews (11) to 37 lb ft (50 N•m).
 - f. Secure right C-partition (1) to lower C-partition gap strip (12) with three capscrews (11), washers (13) and locknuts (14). Torque capscrews (11) to 37 lb ft (50 N•m).
 - g. Install two each isolation mount bushings (5) onto two C-partition mount brackets (7).
 - h. Install two isolation mount brackets (7) onto C-partition support mount.
 - i. Install two isolation mount brackets (7) onto C-partition support mount. Install two capscrews (10), two washers (9), four washers (4), and two locknuts (6). Secure each bracket (7) with four capscrews (8) and washers (18).
 - j. Torque two locknuts (6) to 37 lb ft (50 N•m). Torque eight capscrews (8) to 21 lb ft (28 N•m).
 - k. Repeat steps g. through j. for opposite side of vehicle.

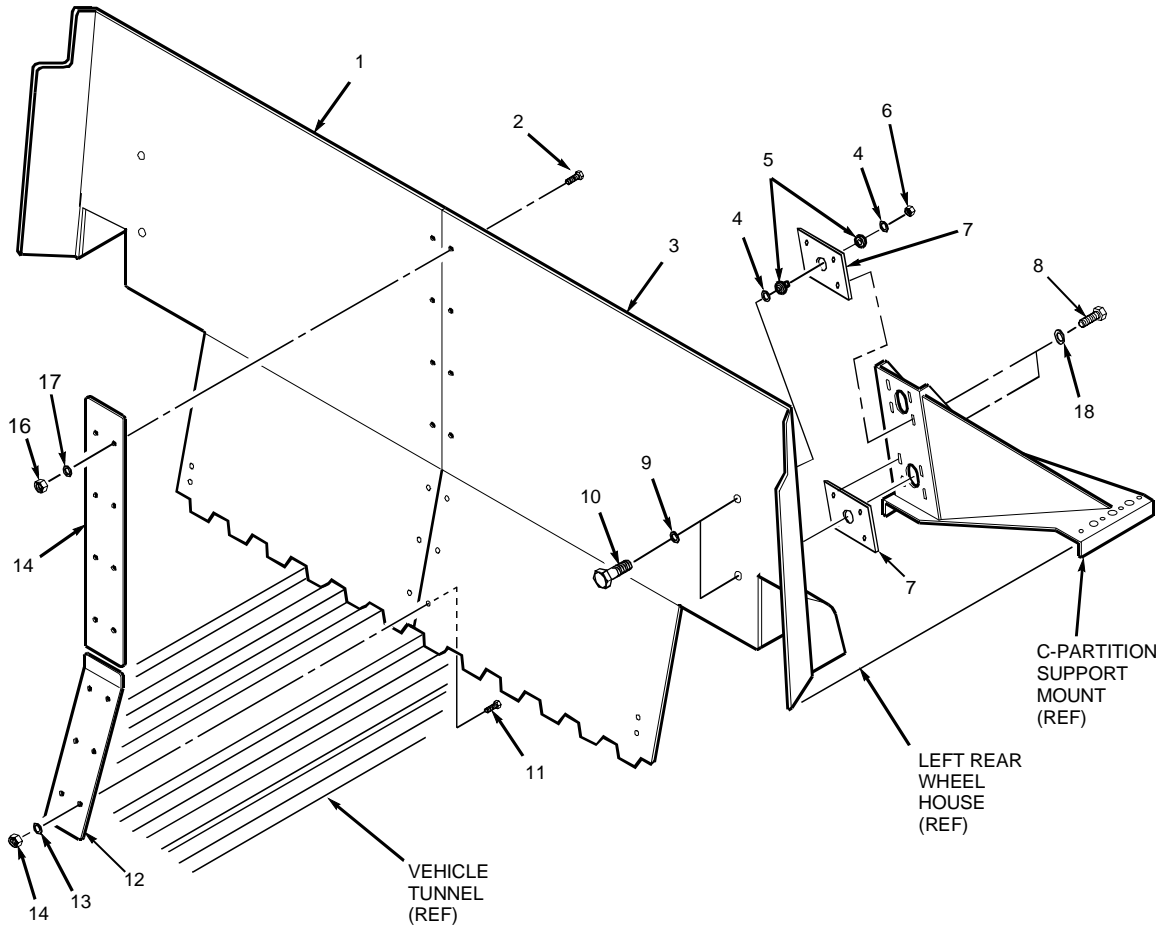


Figure 1-13. C-Partition Installation (4 Door Only)

TB 9-2510-251-24

- 4) Install C-partition isolator brackets as follows (see figure 1-14, Detail A).
 - a. Install two isolator mount bushings (5) into isolator bracket (6).
 - b. Install washer (4) onto two capscrews (7).
 - c. Install two capscrews (7) into isolator bracket (6).
 - d. Install washers (4) onto capscrews (7).
 - e. Install isolator bracket (6) onto right C-partition assembly (1) securing with locknut (3) and washer (4). Torque capscrews (7) to 37 lb ft (50 N•m).
 - f. Match drill four each 9/32-inch holes through isolator bracket (6) and vehicle rear wheel well.
 - g. Apply sealing compound to four capscrews (10).
 - h. Install C-partition tapping plate (9) and secure with two capscrews (10) and washers (11). Do not torque capscrews (10).
 - i. Install shim(s) (8), as required. Torque capscrews (10) to 10 lb ft (14 N•m).
 - j. Repeat steps a. through i. on left C-partition assembly (2) per figure 1-13, Detail B.

- 5) Install C-partition insulation as follows (see figure 1-14).
 - a. Clean inside surface of right C-partition (1) and left C-partition (2) with denatured alcohol.
 - b. Peel back protective cover on left C-partition insulation (13). Carefully install left roof insulation (13) to left C-partition (2) and press firmly in place.
 - c. Peel back protective cover on right C-partition insulation (12). Carefully install right C-partition insulation (12) to right C-partition (2) and press firmly in place.

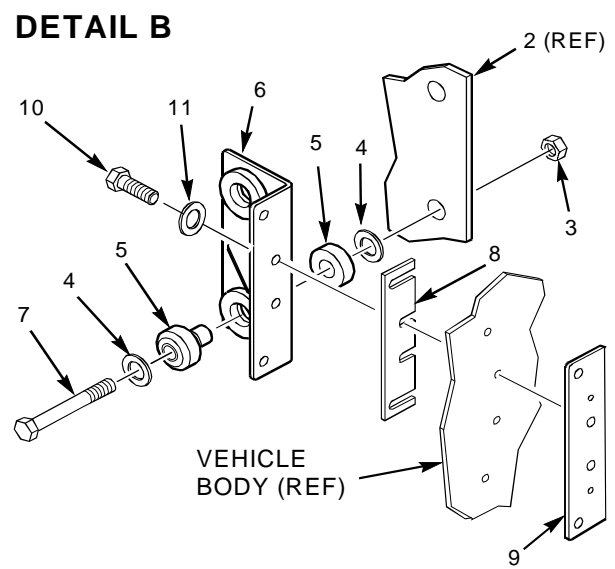
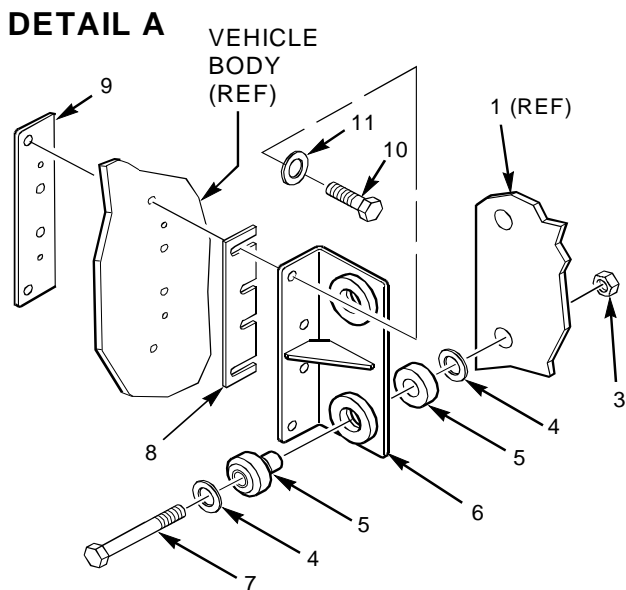
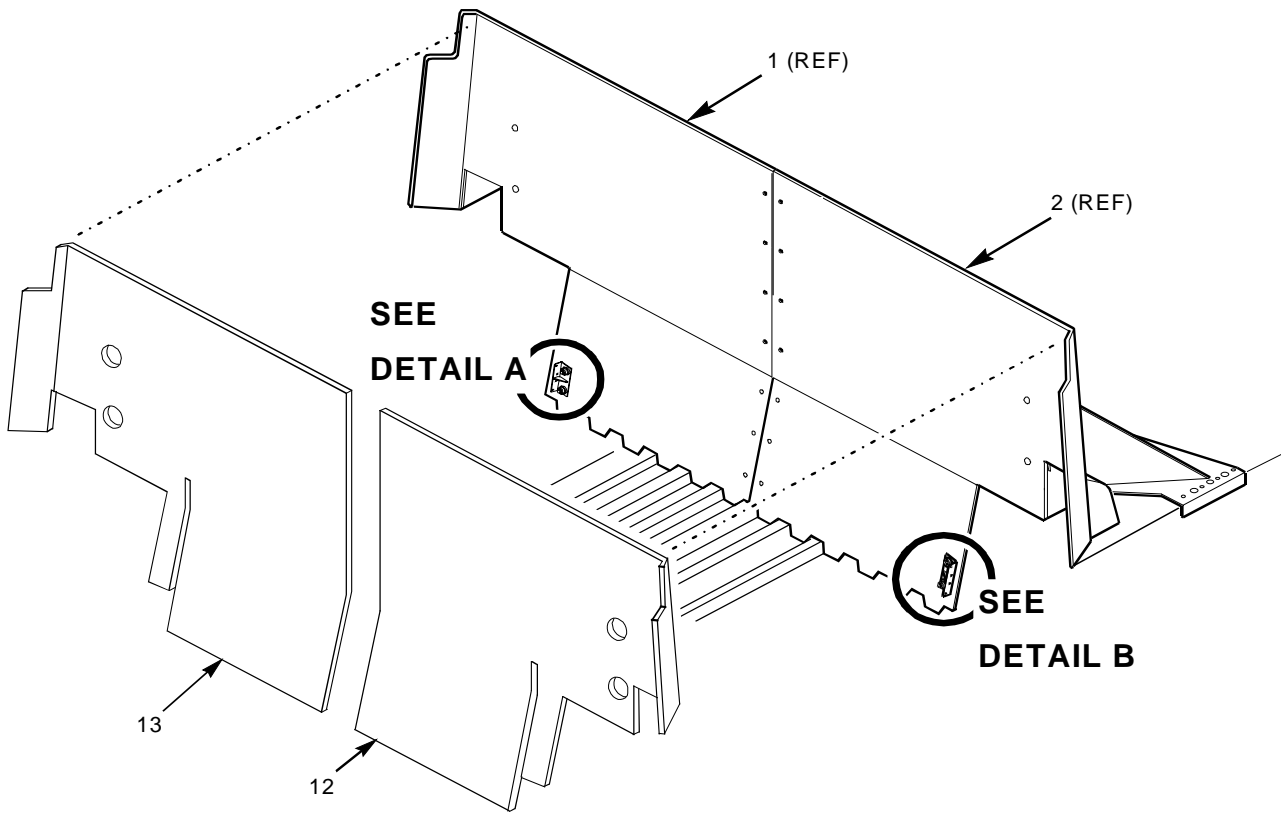


Figure 1-14. C-Partition Isolator Brackets and Insulation Installation (4 Door Only)

TB 9-2510-251-24

- 6) Install rear seat backing plates as follows (see figure 1-15).
 - a. Position rear seat backing plate support (3) against rear door ramp and with front surface aligned with C-beam. Transfer two hole locations onto lower C-pillar. Drill two .375 inch diameter holes in lower C-pillar.
 - b. Install rear seat backing plate support (3) onto lower C-pillar and secure with two capscrews (1), four washers (2), and two locknuts (4).
 - c. Torque capscrews (1) to 10 lb ft (14 N•m).
 - d. Temporarily install rear seat backing plate (8) onto rear seat backing plate support (3) and secure with three capscrews (10) and washers (9). Do not torque capscrews (10). Transfer two-hole locations to C-pillar per figure 1-15.
 - e. Remove three capscrews (10) and washers (9) securing rear seat backing plate (8). Remove rear seat backing plate (8).
 - f. Drill two each 17/32-inch holes in C-pillar (centered vertically).
 - g. Install two upset fasteners (5) into C-pillar.
 - h. Apply sealing compound to three capscrews (10) and two capscrews (7).
 - i. Install rear seat backing plate (8) into vehicle and secure with three capscrews (10), three washers (9), two capscrews (7), and two washers (6). Torque three capscrews (10) to 37 lb ft (50 N•m). Torque two capscrews (7) to 37 lb ft (50 N•m).
 - j. Repeat steps a. through i. on opposite side of vehicle.

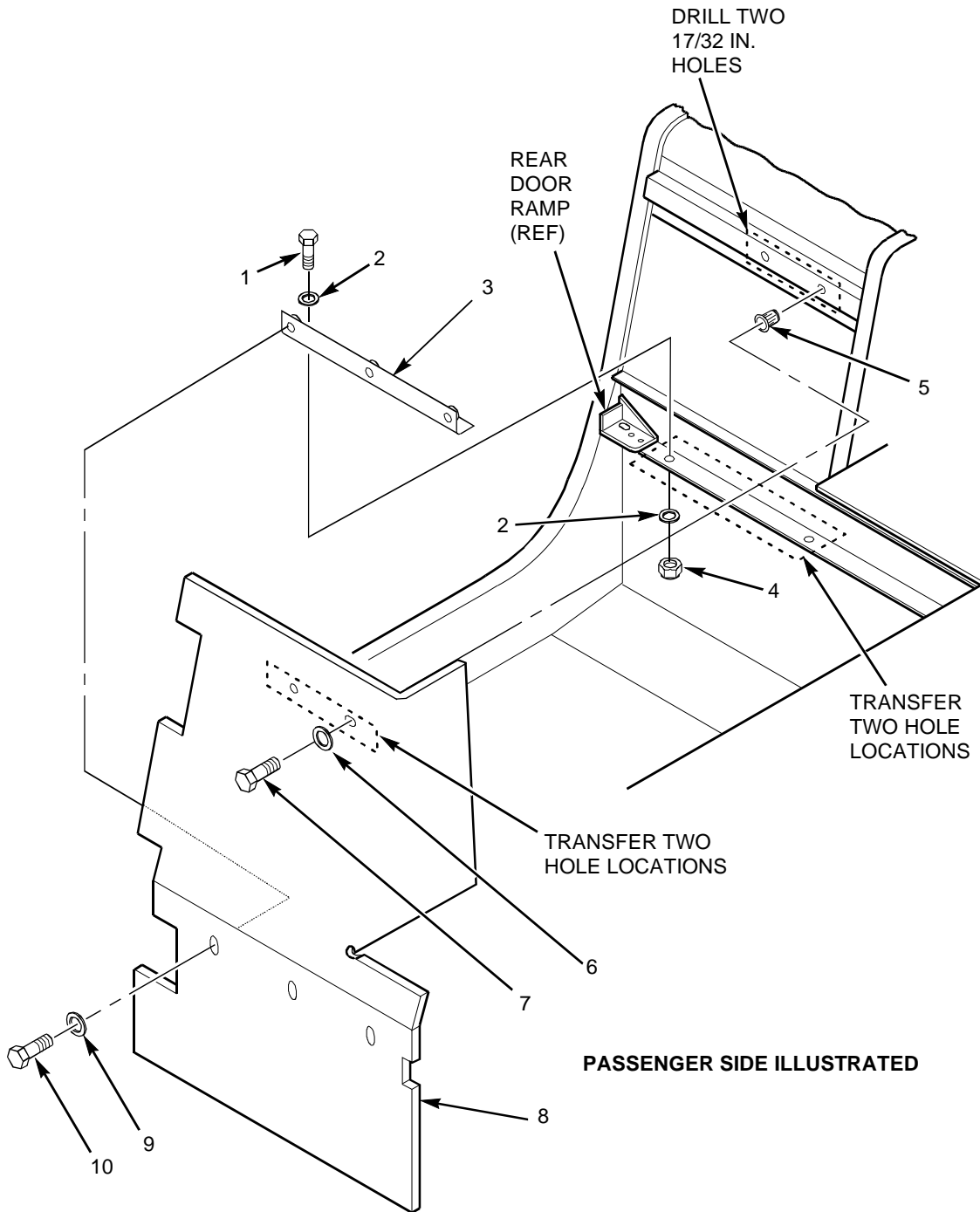


Figure 1-15. Rear Seat Backing Plates Installation (4 Door Only)

1-10. REAR PARTITION INSTALLATION (2 DOOR ONLY)
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TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-16	1	4397083-001	WASHER, FLAT ALUMINUM, 0.125 X 0.757 X 0.387 IN.	8
	2	4397000-036	CAPSCREW, HEX HEAD, 0.3125-18 X 1.25 IN.	8
	3	6430841-01M1	BRACKET, B-PARTITION MOUNT - RIGHT	1
	3	6430841-02M1	BRACKET, B-PARTITION MOUNT - LEFT	1
	4	4397005-012	WASHER, FLAT, 0.312 IN.	16
	5	4397083-001	WASHER, FLAT ALUMINUM, 0.125 X 0.757 X 0.387 IN.	8
1-17	6	4397064-003	NUT, LOCKING, 0.313-18	8
	1	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	6
	2	6430813-01M1	B-PARTITION ASSEMBLY-RIGHT	1
	3	6430646-01M1	GAP STRIP, B/C PARTITION-LOWER	1
	4	4397064-005	NUT, LOCKING, 0.375-16	6
	5	4397005-014	WASHER, FLAT, 0.406 IN.	6
1-18	6	6430645-01M1	GAP STRIP, B/C PARTITION-UPPER	1
	1	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	6
	2	6430814-01M1	B-PARTITION ASSEMBLY-LEFT	1
	3	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	4
	4	4397005-014	WASHER, FLAT, 0.406 IN.	4
	5	4397064-005	NUT, LOCKING, 0.375-16	4
	6	6430646-01M1	GAP STRIP, B/C PARTITION-LOWER	REF
	7	4397005-014	WASHER, FLAT, 0.406 IN.	6
	8	4397064-005	NUT, LOCKING, 0.375-16	6
	9	6431396-03M1	TAPE, DOUBLE SIDED-CUT	1
	10	6430813-01M1	B-PARTITION ASSEMBLY-RIGHT	REF
11	6430645-01M1	GAP STRIP, B/C PARTITION-UPPER	REF	

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-19	1	4397005-014	WASHER, FLAT, 0.406 IN.	6
	2	4397000-062	CAPSCREW, HEX HEAD, 0.375-16 X 1.25 IN.	2
	3	6430844-01M1	LOWER B-PARTITION, RIGHT	1
	4	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	4
	5	6430845-01M1	LOWER B-PARTITION, LEFT	1
	6	4397064-005	NUT, LOCKING, 0.375-16	6
1-20	1	4397000-064	CAPSCREW, HEX HEAD, 0.375-16 X 2.75 IN.	2
	2	4397050-049	UPSET FASTENER, AVK-SHORT, 0.375-16	2
	3	6430816-01M1	BRACKET, B-PARTITION MOUNT, CENTER	1
	4	4397005-014	WASHER, FLAT, 0.406 IN.	2
	5	4397064-005	NUT, LOCKING, 0.375-16	2
	6	4397005-014	WASHER, FLAT, 0.406 IN.	2
	7	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	2
1-21	1	6430841-02M1	INSULATION, B-PARTITION, LEFT	1
	2	6430841-01M1	INSULATION, B-PARTITION, RIGHT	1

a. Installation

- 1) Install B-partition mount bracket as follows (see figure 1-16).
 - a. Install left B-partition mount bracket (3) onto lower B-pillar securing with four capscrews (2), washers (1), washers (4) and locking nuts (5). Do not tighten capscrews (2) at this point.
 - b. Repeat on opposite side of vehicle.

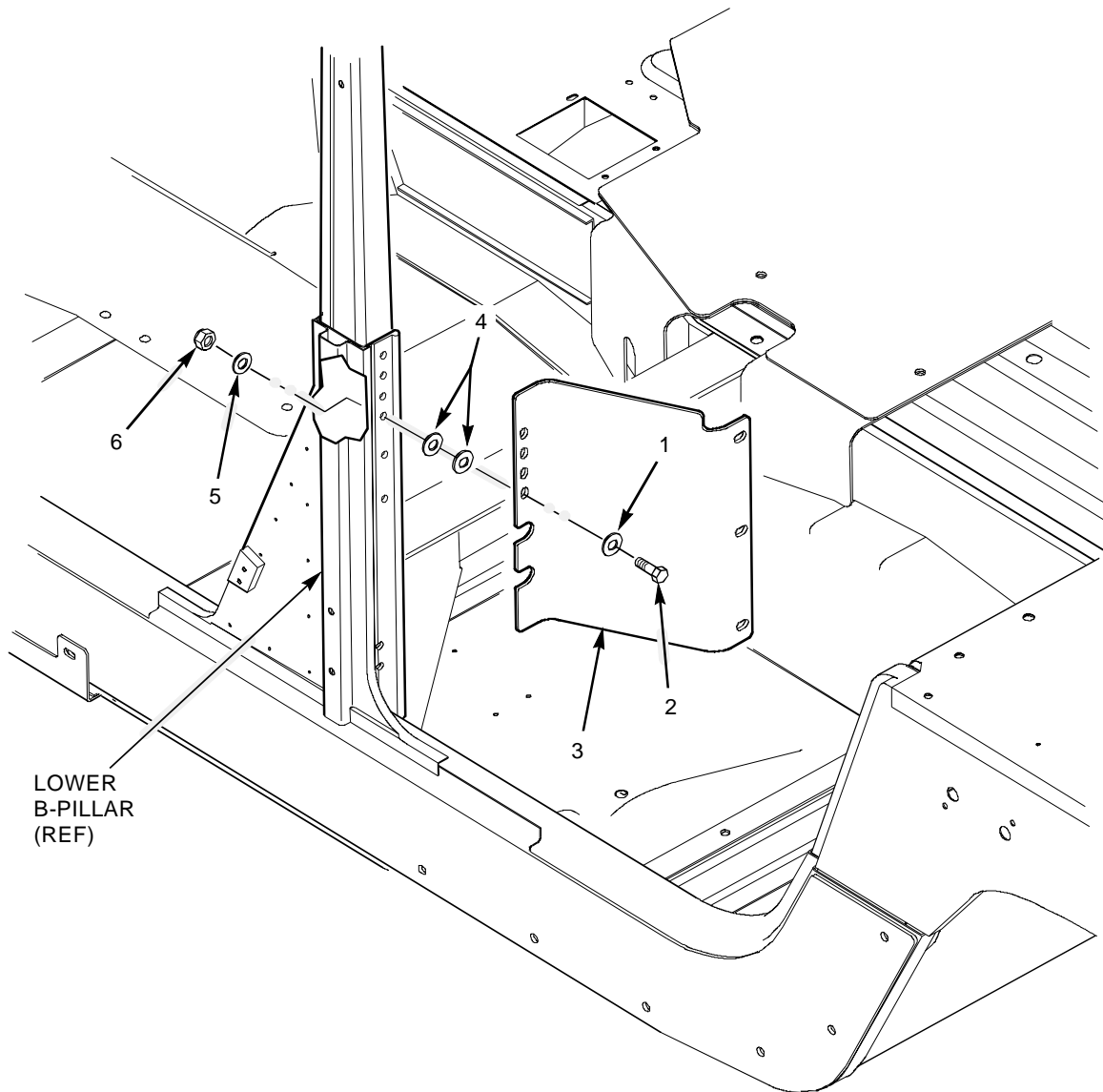


Figure 1-16. B-Partition Mount Bracket Installation (2 Door Only)

- 2) Install B-partition gap strip as follows (see figure 1-17).
 - a. Install upper B-partition gap strip (6) onto right B-partition assembly (2) securing with four capscrews (1), washers (5) and locking nuts (4).
 - b. Install lower B-partition gap strip (3) onto right B-partition assembly (2) securing with two capscrews (1), washers (5) and locking nuts (4).
 - c. Torque capscrews (1) to 37 lb ft (50 N•m).

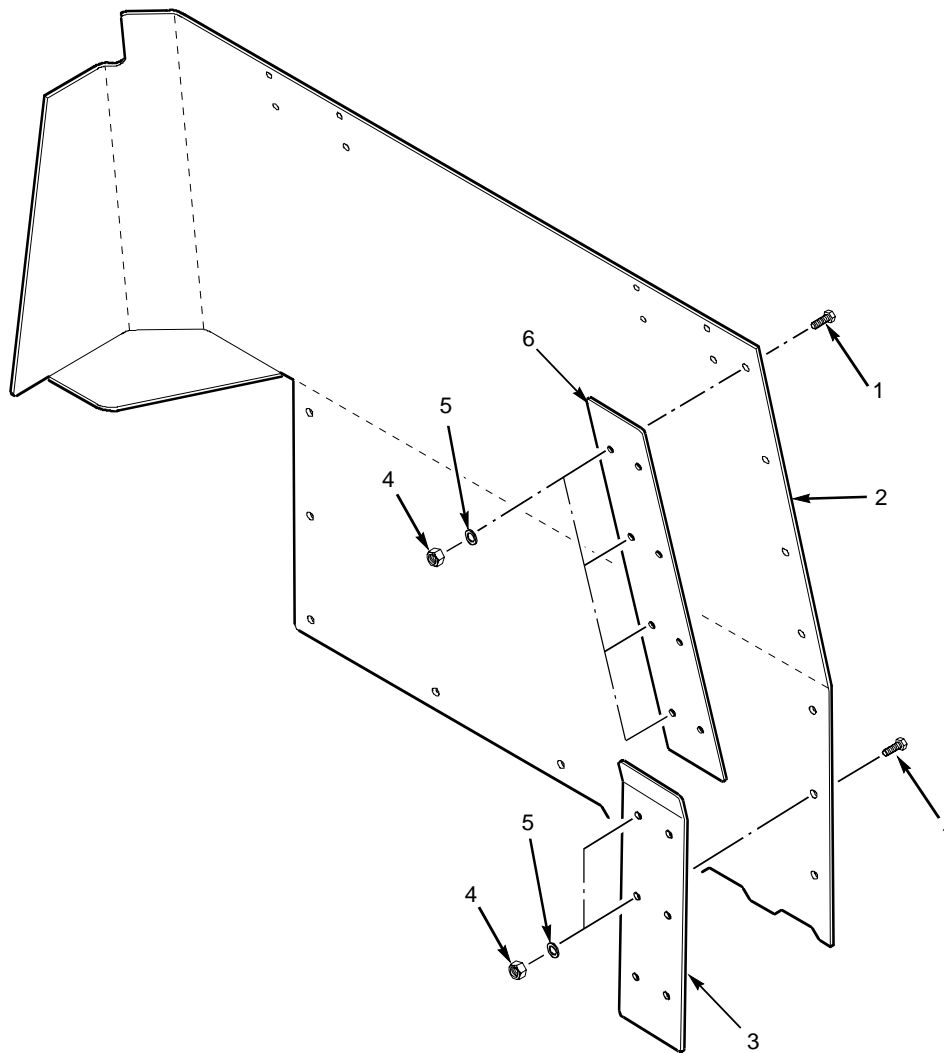


Figure 1-17. B-Partition Gap Strip Installation (2 Door Only)

TB 9-2510-251-24

- 3) Install B-partition assemblies as follows (see figure 1-18).
 - a. Align right B-partition assembly (10) and left B-partition assembly (2) into position with right and left B-partition mount brackets. Mark a line onto vehicle tunnel for B-partition rubber location.
 - b. Clean vehicle tunnel in rubber strip application area with denatured alcohol.
 - c. Apply rubber strip (9) to vehicle tunnel in location marked in previous step.
 - d. Install right B-partition assembly (10) onto right B-partition mount bracket securing with two capscrews (3), washers (4) and locking nuts (5). Do not tighten capscrews (3) at this point.
 - e. Install left B-partition assembly (2) onto right B-partition mount bracket securing with two capscrews (3), washers (4) and locking nuts (5). Do not tighten capscrews (3) at this point.
 - f. Install seven capscrews (1), washers (7) and locking nuts (8) to secure left B-partition assembly (2) to upper B-partition gap strip (11) and lower B-partition gap strip (6). Torque all capscrews (1 and 3) to 37 lb ft (50 N•m).
 - g. Torque eight B-partition mount bracket capscrews (2 from figure 1-16) to 21 lb ft (28N•m).

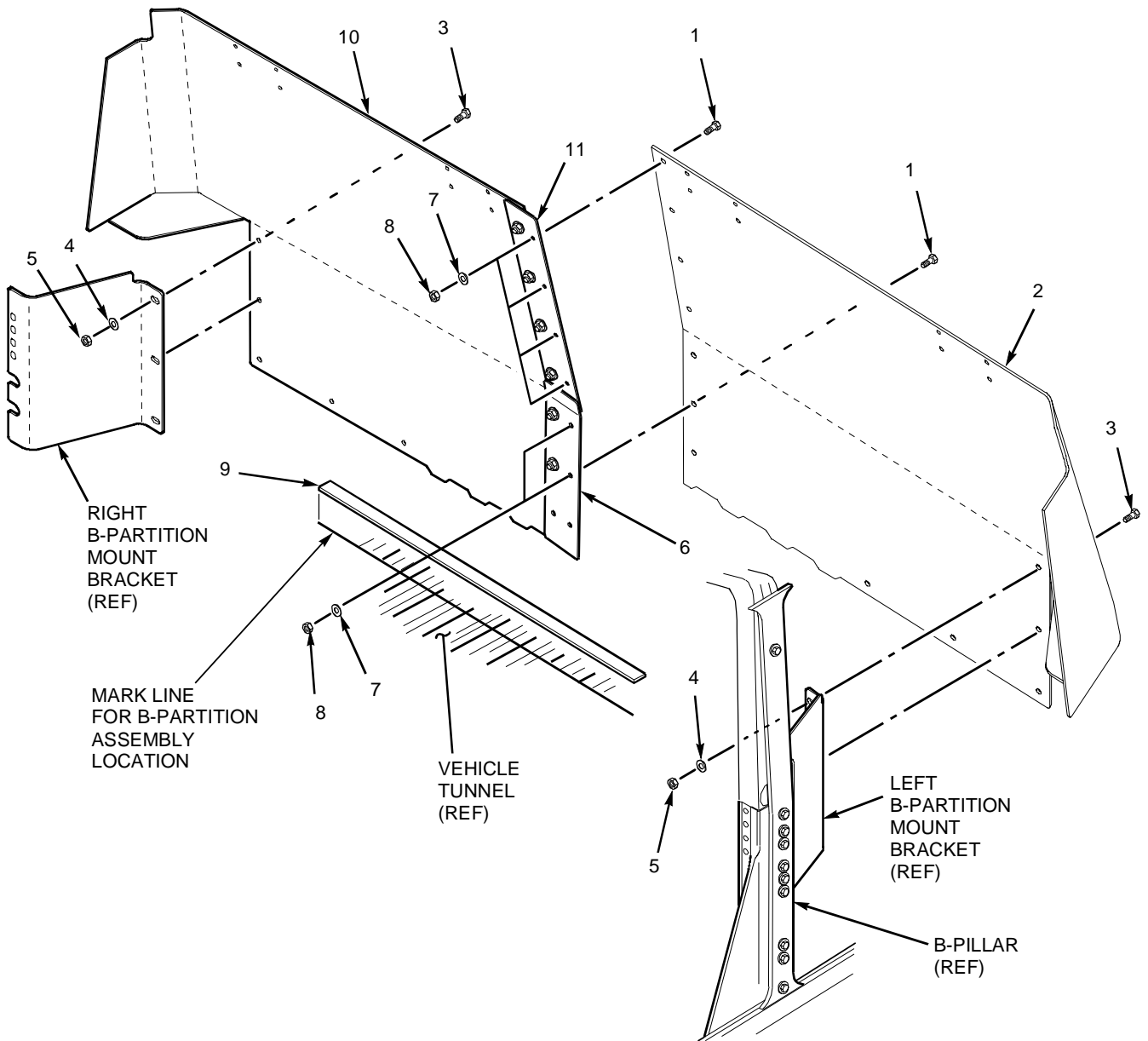


Figure 1-18. B-Partition Installation (2 Door Only)

TB 9-2510-251-24

- 4) Install lower B-partition as follows (see figure 1-19).
- a. Install right lower B-partition (3) onto right B-partition assembly securing with two capscrews (4), one capscrew (2), three washers (1) and three locking nuts (6). Torque two capscrews (4) and capscrew (2) to 37 lb ft (50 N•m).
 - b. Repeat step a. on left side of vehicle.

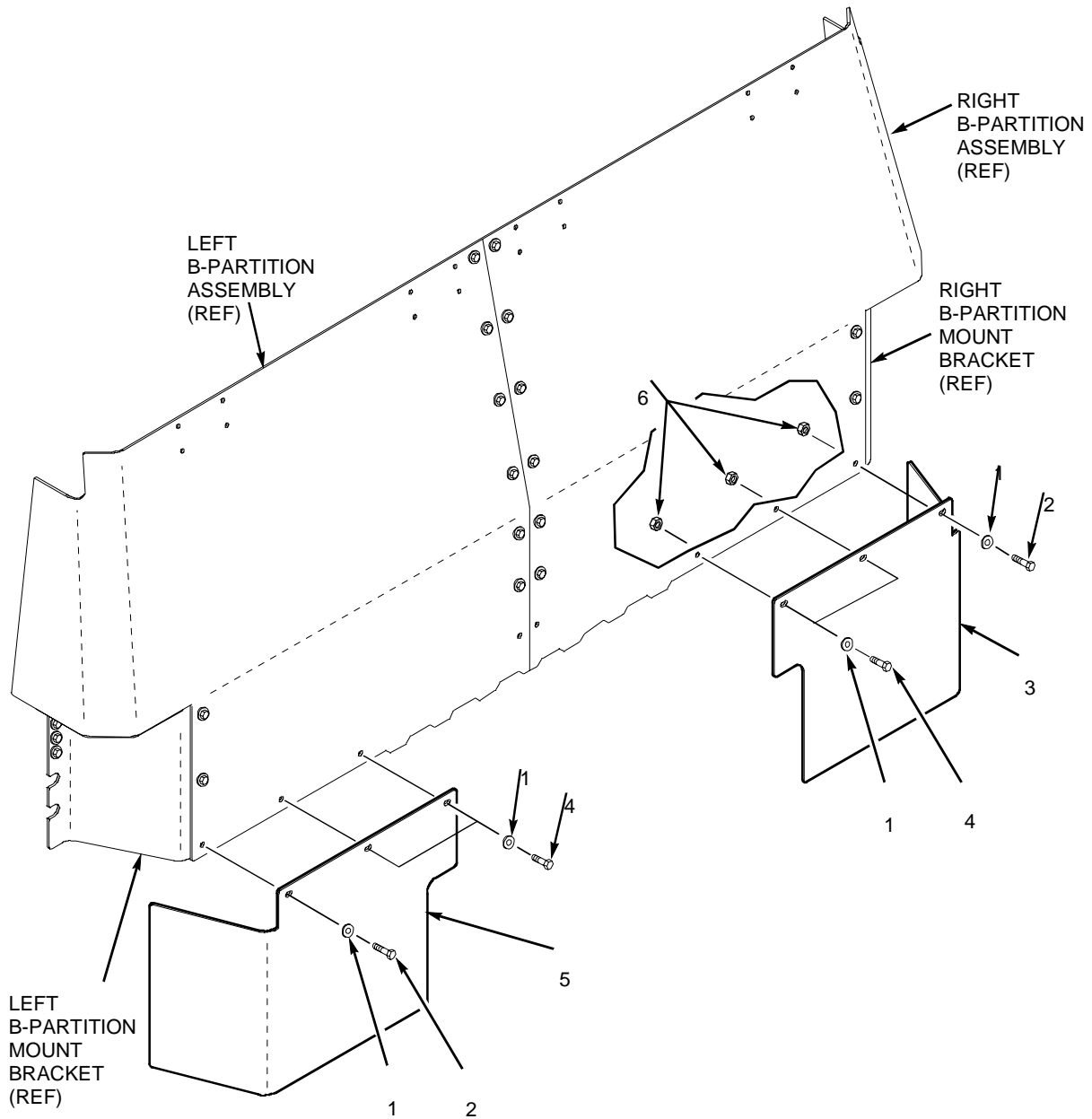


Figure 1-19. Lower B-Partition Installation (2 Door Only)

- 5) Install B-partition center bracket as follows (see figure 1-20).
 - a. Position B-partition center bracket (3) aligning with bottom holes of lower B-partition gap strip and transfer two hole locations to vehicle tunnel as shown in figure 1-20.
 - b. Drill two 13/32-inch holes into vehicle tunnel and install two upset fasteners (2).
 - c. Apply fastening compound to two capscrews (7).
 - d. Install B-partition center bracket (3) onto vehicle tunnel securing with two capscrews (7) and washers (6). Torque two capscrews (7) to 23 lb ft (31 N•m).
 - e. Secure B-partition center bracket (3) onto lower B-partition gap strip with two capscrews (1), washers (4) and locking nuts (5). Torque two capscrews (1) to 37 lb ft (50 N•m).

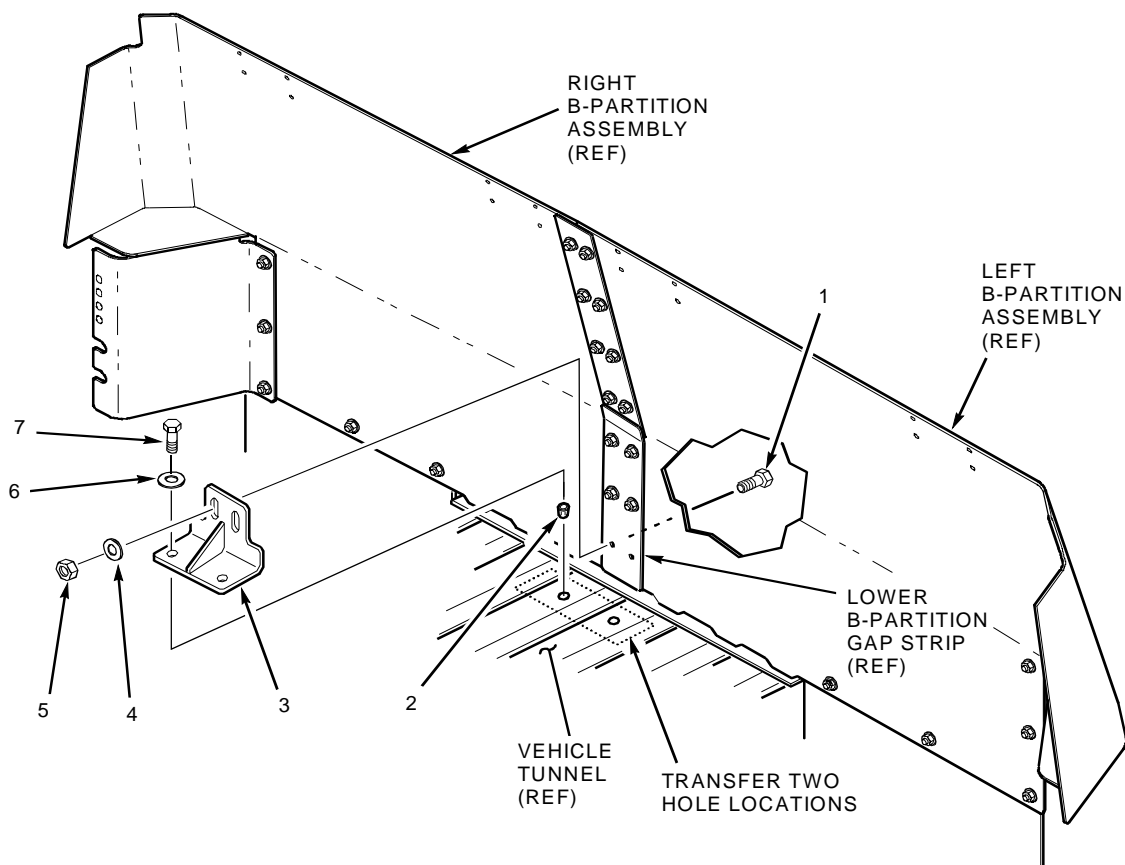


Figure 1-20. B-Partition Center Mount Bracket Installation (2 Door Only)

6. Install B-partition insulation as follows (see figure 1-21).
 - a. Clean inside surface of right B-partition (2) and left B-partition (1) with denatured alcohol.
 - b. Peel back protective cover on left B-partition insulation (1). Carefully install left B-partition insulation (1) to left B-partition and press firmly in place.
 - c. Peel back protective cover on right B-partition insulation (2). Carefully install right B-partition insulation (2) to right B-partition and press firmly in place.

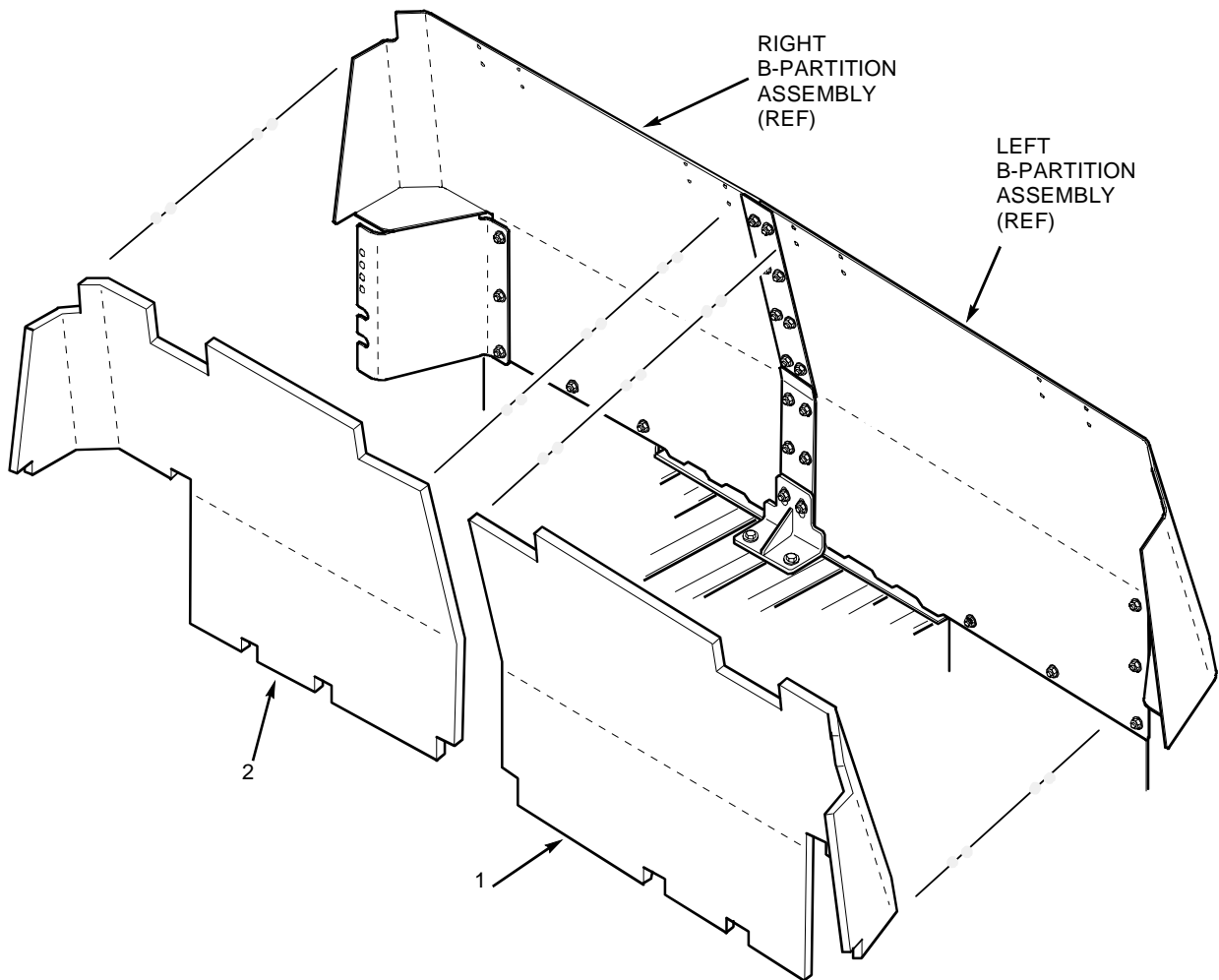


Figure 1-21. B-Partition Insulation Installation (2 Door Only)

1-11. ANTENNA MOUNT INSTALLATION (4 DOOR ONLY)

TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-22	1	6430655-01M1	BRACKET, REAR ANTENNA, RIGHT EXTERIOR	2
	2	4397064-005	NUT, LOCKING, 0.375-16	8
	3	4397005-014	WASHER, FLAT, 0.375 IN.	8
	4	6430656-01M1	BRACKET, REAR ANTENNA	2
	5	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	4
	6	4397005-010	WASHER, FLAT, 0.250 IN.	16
	7	4397000-006	CAPSCREW, HEX HEAD, 0.250-20 X 0.75 IN.	8
	8	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	8
	9	4397005-014	WASHER, FLAT, 0.375 IN.	16
	10	4397064-005	NUT, LOCKING, 0.375-16	8
	11	4397064-001	NUT, LOCKING, 0.250-20	8
	12	6430654-01M1	BRACE, ANTENNA BRACKETS	2

a. Installation

- 1) Install antenna mount (see figure 1-22).
 - a. Install interior antenna mount bracket (4) and exterior antenna mount bracket (1) on C-partition support mount with four capscrews (8), eight washers (9), and four locknuts (10). Torque locknuts (10) to 37 lb ft (50 N•m).
 - b. Install center support brace (12) on interior antenna mount bracket (4) and exterior antenna mount bracket (1) with four capscrews (7), eight washers (6), and four locknuts (11). Torque locknuts (11) to 10 lb ft (14 N•m).
 - c. Secure interior antenna mount bracket (4) to exterior antenna mount bracket (1) with two capscrews (5), four washers (3), and two locknuts (2). Torque locknuts (2) to 37 lb ft (50 N•m).
 - d. Repeat steps a. through c. for opposite side of vehicle.

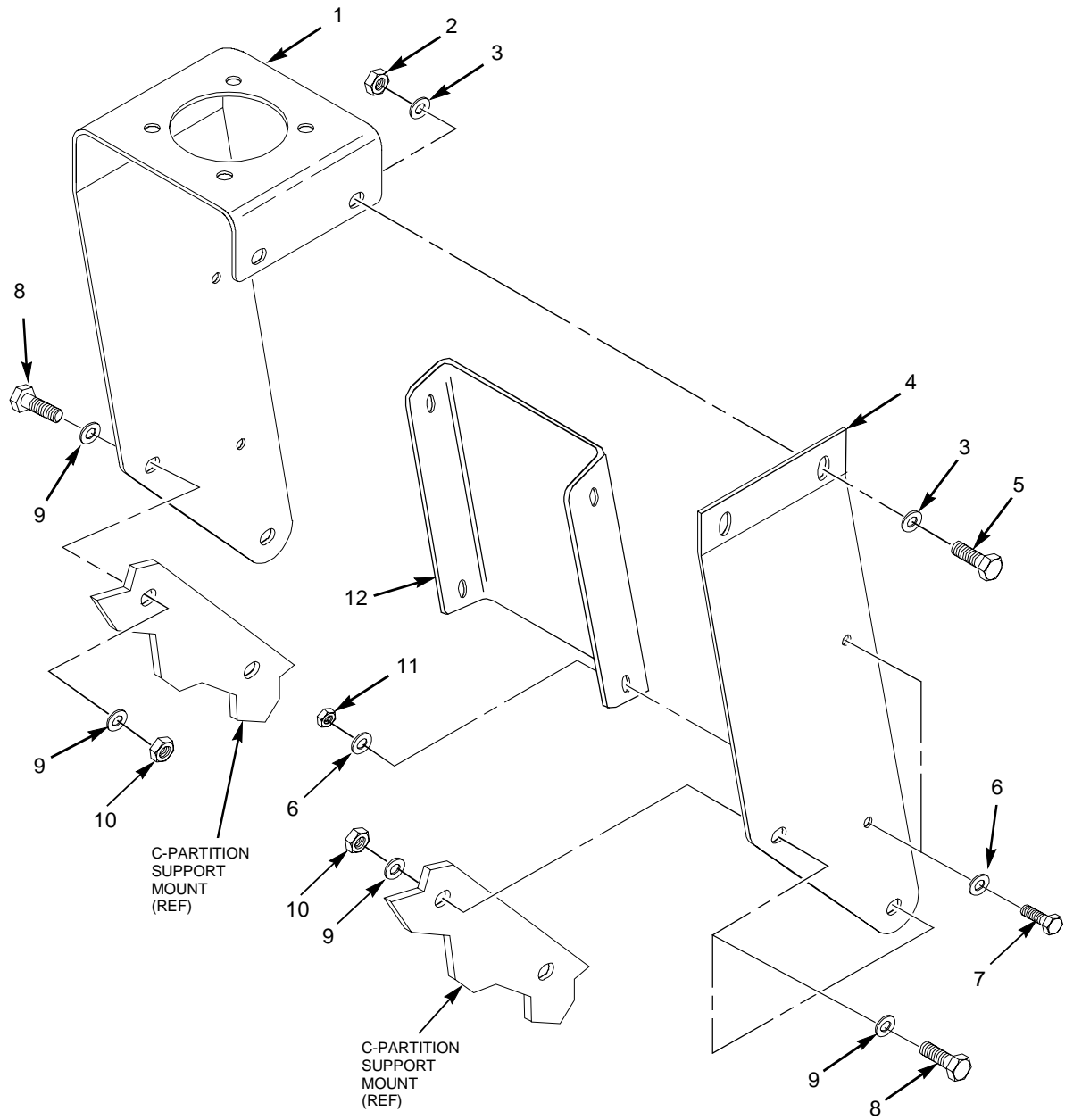


Figure 1-22. Antenna Mount Installation (4 Door Only)

1-12. REAR DOOR ASSEMBLY INSTALLATION (4 DOOR ONLY)

TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-23	1	4397010-008	CAPSCREW, HEX HEAD, 0.250-20 X 1.00 IN.	2
	2	4397005-010	WASHER, FLAT, 0.250 IN.	2
	3	12339386	STRIKER, REAR DOOR	1
	4	4668622-002	SHIM, REAR STRIKER	1
	5	4668273-002	NUTPLATE, STRIKER	1
	6	4397000-072	CAPSCREW, HEX HEAD, 0.375-16 X 3.50 IN.	9
	7	4397005-014	WASHER, FLAT, 0.375 IN.	9
	8	6430716-01M1	COVER STRIP, HINGE-FRONT	1
	9	6430707-01M1	DOOR ASSEMBLY, LEFT-REAR	REF
	9	6430706-01M1	DOOR ASSEMBLY, RIGHT-REAR	REF

a. Installation

- 1) Install rear door assembly (see figure 1-23).
 - a. Apply sealing compound to two capscrews (1).
 - b. Install existing striker plate (3), spacer (4), striker backup plate with weldnuts (5), two capscrews (1) and two washers (2). Torque capscrews (1) to 10 lb ft (14 N•m).
 - c. Position rear door assembly with hinge (9) onto B-pillar per figure 1-22. Secure door assembly with hinge (9) and B-pillar cover strip (8) with nine capscrews (6) and washers (7). Align door assembly (9) with door striker (3) as required.
 - d. With door assembly (9) aligned, torque the nine door hinge capscrews (6) to 37 lb ft (50 N•m).
 - e. Repeat steps a. through d. for opposite side of vehicle.

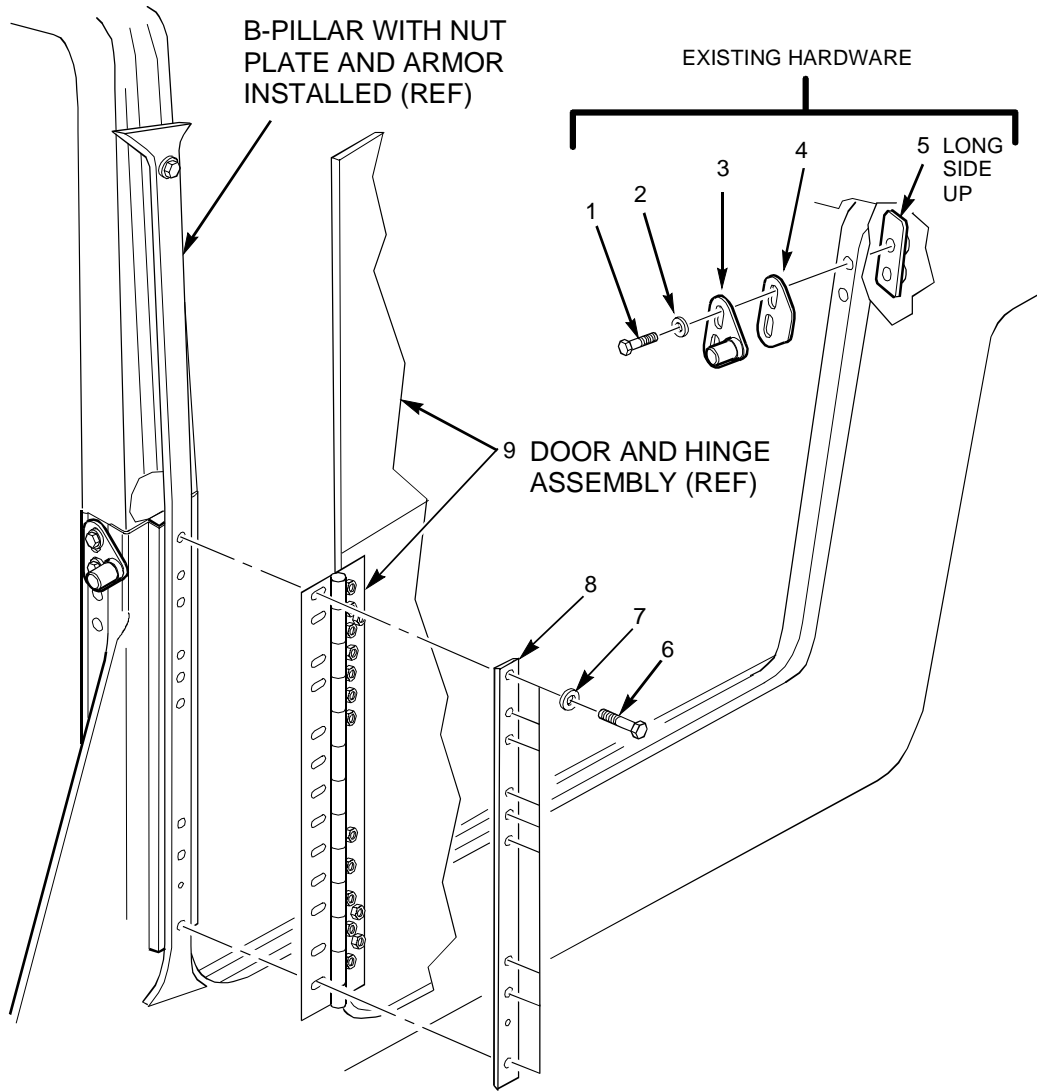


Figure 1-23. Rear Door Installation (4 Door Only)

1-13. FRONT DOOR ASSEMBLY INSTALLATION (2 AND 4 DOOR)

TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-24	1	4397010-008	CAPSCREW, HEX HEAD, 0.250-20 X 1.00 IN.	4
	2	4397005-010	WASHER, FLAT, 0.250 IN.	4
	3	12339385	STRIKER, FRONT DOOR	2
	4	4668621-002	SHIM, FRONT STRIKER	2
	5	4397064-001	NUT, LOCKING, 0.250-20	4
	6	REF	LEFT DOOR ASSEMBLY (WITH DOOR HINGE)	1
	6	REF	RIGHT DOOR ASSEMBLY (WITH DOOR HINGE)	1
	7	6430716-01M1	COVER STRIP, HINGE, FRONT	2
	8	4397005-014	WASHER, FLAT, 0.375 IN.	18
	9	4397000-062	CAPSCREW, HEX HEAD, 0.375-16 X 1.25 IN.	18

- 1) Install front door assembly as follows (see figure 1-24).
 - a. Apply sealing compound to threads of nine capscrews (9).
 - b. Install nine capscrews (9) and washers (8) through door hinge cover strip (7), door assembly with hinge (6) and A-pillar armor and vehicle, into pre-assembled left A-pillar reinforcement channel and bar assembly.
 - c. Install front door striker (3) and shim(s) (4). Secure with two capscrews (1), washers (2), and locknuts (5). Torque capscrews (1) to 10 lb ft (14 N•m). Align door assembly (6) with door striker (3) as required.
 - d. With door assembly (6) aligned, torque the nine door hinge capscrews (9) to 37 lb ft (50 N•m).
 - e. Repeat steps a. through d. for opposite side of vehicle.

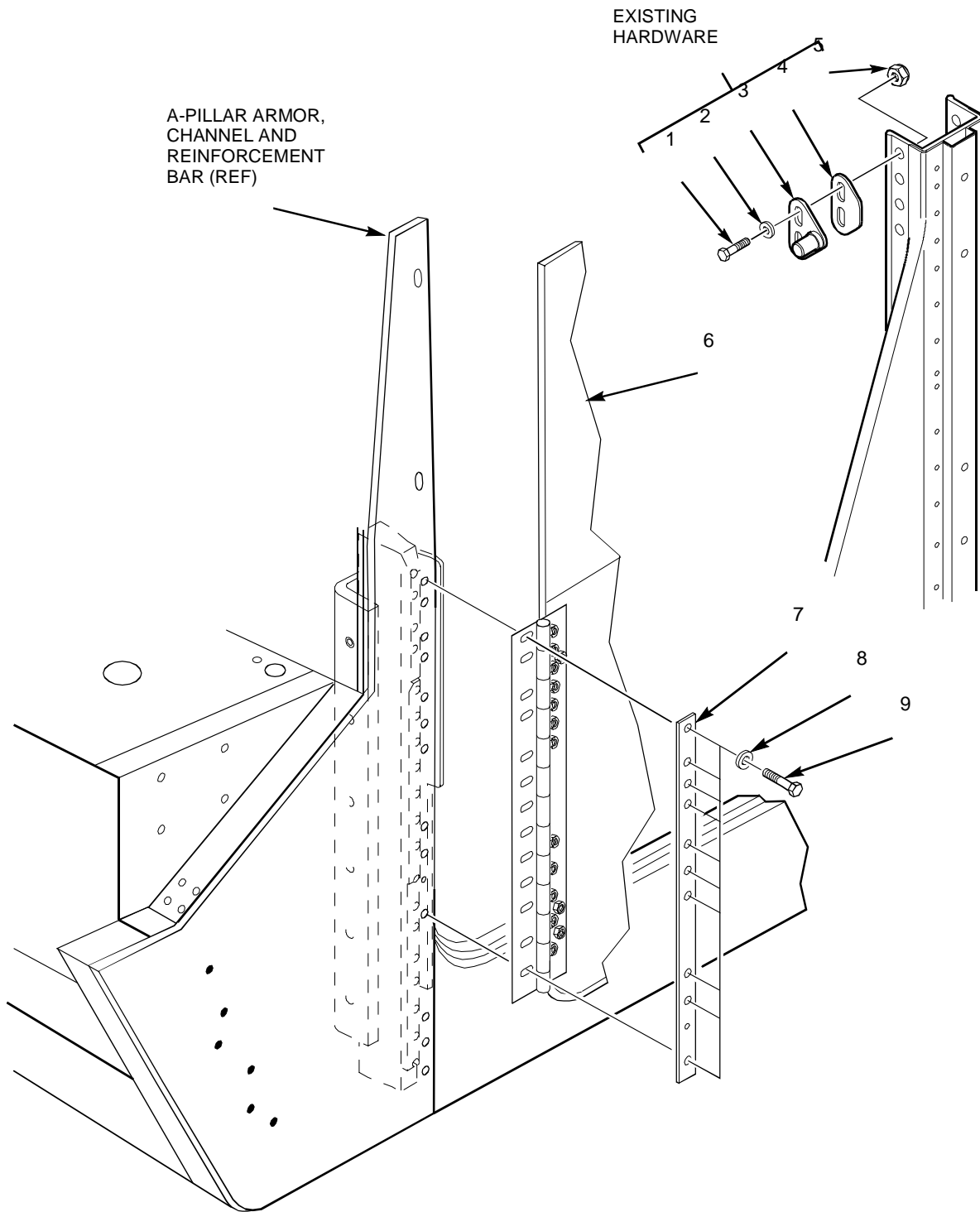


Figure 1-24. Front Door Installation (2 and 4 Door)

1-14. WINDSHIELD INSTALLATION (2 AND 4 DOOR)

TOOLS:

General mechanics tool kit:
(NSN 5180-00-177-7033)

MATERIAL/PARTS:

FIGURE	ITEM	PART NO.	NOMENCLATURE	QTY
1-25	1	6430624-01M1	WINDSHIELD ASSEMBLY, LEFT	1
	2	12338941	WEATHER STRIP ASSEMBLY, WINDSHIELD	2
	3	6430623-01M1	WINDSHIELD ASSEMBLY, RIGHT	2
1-26	1	4397000-008	CAPSCREW, HEX HEAD, 0.250-20 X1.00 IN.	5
	2	4397050-028	UPSET FASTENER, AVK-LONG, 0.250-20	2
	3	4397050-025	UPSET FASTENER, AVK-SHORT, 0.250-20	3
	4	6430652-01M1	CAPPING RING ASSEMBLY, LOWER	1
1-27	1	6430651-01M1	CAPPING RING, UPPER	1
	2	4397000-008	CAPSCREW, HEX HEAD, 0.250-20 X1.00 IN.	16
	3	6430649-01M1	CAPPING RING, END	1
	4	4397050-025	UPSET FASTENER, AVK-SHORT, 0.250-20	16
	5	6430650-01M1	CAPPING RING, CENTER	1
1-28	1	4397012-056	SCREW, PAN HD CR REC, 8-32 X 0.750 IN., RIGHT	2
	2	4668980-001	CLAMP	2
	3	6431300-05M1	NYLON CONNECTOR	2
	4	REF	OEM TUBING, WINDSHIELD WASHER	REF
	5	4397012-054	SCREW, PAN HD CR REC, 8-32 X 0.50 IN.	2
	6	6431316-02M1	TUBING, WINDSHIELD WASHER	1 FT.
1-29	1	REF	OEM LEVER, MANUAL CONTROL	REF
	2	6430710-01M1	EXTENSION, WIPER ARM	2
	3	REF	OEM ARM, WINDSHIELD WIPER	REF
	4	REF	SET SCREW, #8-32 (PART OF 6430710-01M1)	REF
1-30	1	REF	OEM BLADE, WIPER	REF

a. Installation

NOTE

**FOR EASE OF ASSEMBLY, INSTALL HEATER CORE
PRIOR TO INSTALLING WINDSHIELD**

1. Install windshield glass as follows (see figure 1-25).
 - a. Install gasket (2) onto windshield glass (1) or (3).
 - b. Install windshield glass (1) or (3), with gasket (2), into windshield frame.
 - c. Repeat steps a. and b. for opposite side of windshield.

CAUTION

**WINDSHIELD GLASS WILL BE UNSECURED UNTIL
CAPPING RINGS ARE INSTALLED. DO NOT LEAVE
VEHICLE UNATTENDED. FAILURE TO DO SO MAY
RESULT IN DAMAGE TO EQUIPMENT.**

- d. Install a protective cardboard cover, or equivalent, over interior surface of windshield glass (1) and (3) to protect glass from damage during subsequent steps.

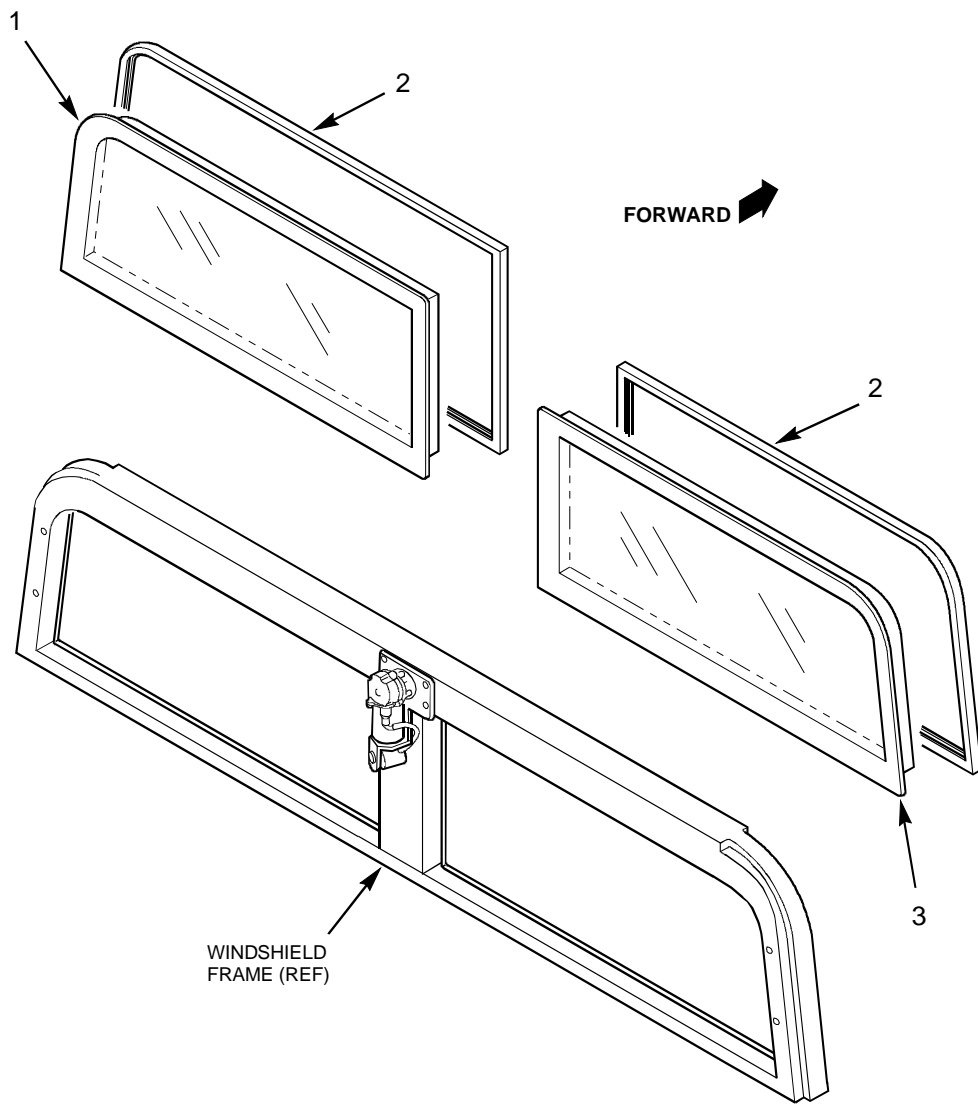


Figure 1-25. Windshield Glass Installation (2 and 4 Door)

TB 9-2510-251-24

- 2) Install lower capping ring as follows (see figure 1-26).
 - a. Position and align lower capping ring assembly (4) onto windshield frame and transfer five hole locations to windshield frame.
 - b. Drill five 25/64-inch holes in windshield frame. Install two long upset fasteners (2) to the outer edges of the windshield frame. Install three short upset fasteners (3) to the inner windshield frame per figure 1-26.
 - c. Apply sealing compound to capscrews (1).
 - d. Install lower capping ring assembly (4) onto windshield frame and secure with five capscrews (1).
 - e. Torque capscrews (1) to 6 lb ft (8 N•m).

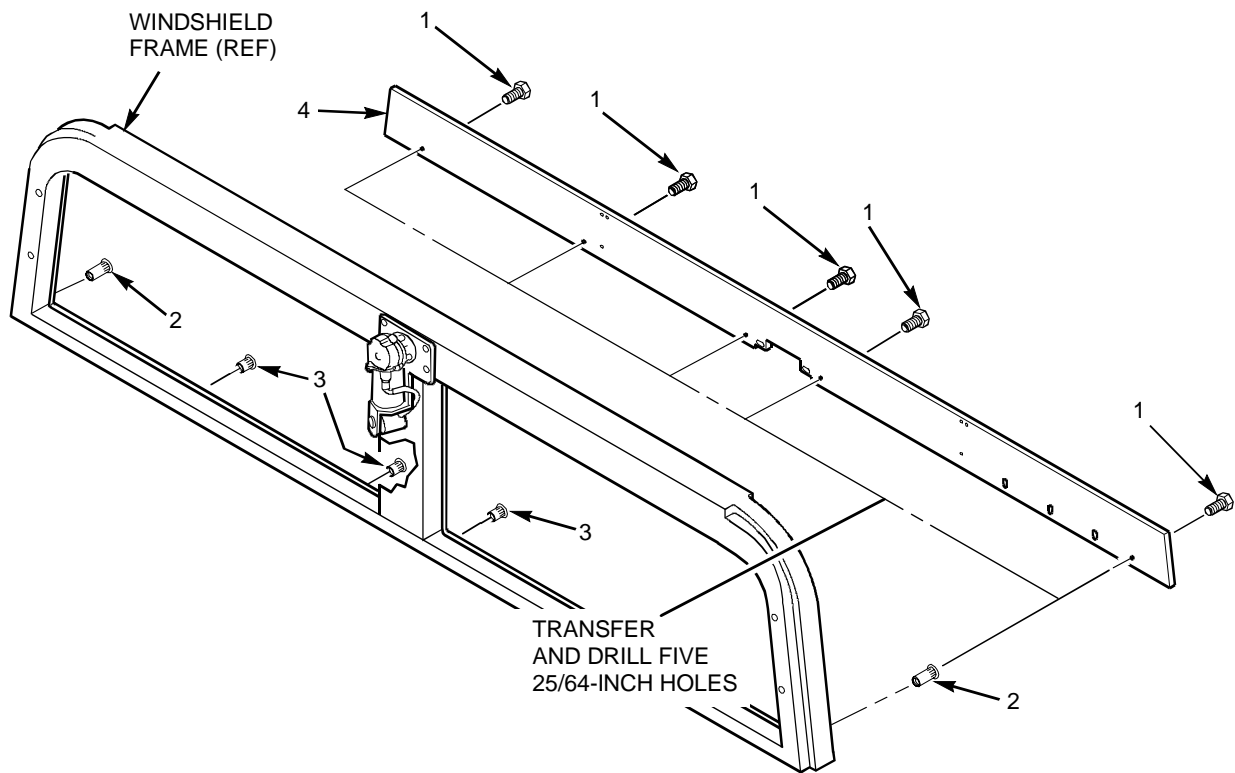


Figure 1-26. Lower Capping Ring Installation (2 and 4 Door)

- 3) Install windshield armor (see figure 1-27).
 - a. Apply Sealing compound to capscrews (2).

CAUTION

**INTERIOR SURFACE OF WINDSHIELD GLASS IS
EASILY DAMAGED AND MUST BE PROTECTED
DURING DRILLING OPERATIONS.**

- b. Position and align upper capping ring assembly (1) onto windshield frame pushed up until contacting wiper pivot nuts, and transfer five hole locations to windshield frame. Drill five each 25/64-inch holes in windshield frame. Install five short upset fasteners (4) in windshield frame.
- c. Install upper capping ring assembly (1) onto windshield frame and secure with five capscrews (2). Do not torque capscrews (2) at this time.
- d. Position and align center capping ring assembly (5) onto windshield frame and transfer three hole locations to windshield frame. Remove center capping ring assembly (5).
- e. Drill three each 25/64-inch holes in windshield frame. Install three short upset fasteners (4) in windshield frame.
- f. Install center capping ring assembly (5) and secure with three capscrews (2). Do not torque capscrews (2) at this time.
- g. Position and align left capping ring assembly (3) onto windshield frame and transfer four hole locations to windshield frame. Verify visually potential edge breakouts prior to drilling. Drill four each 25/64-inch holes in windshield frame. Install four short upset fasteners (4) in windshield frame.
- h. Install left capping ring assembly (3) onto windshield frame and secure with four capscrews (2). Do not torque capscrews (2) at this time.
- i. Position and align right capping ring assembly (3) onto windshield frame and transfer four hole locations to windshield frame. Verify visually potential edge breakouts prior to drilling. Drill four each 25/64-inch holes in windshield frame. Install four short upset fasteners (4) in windshield frame.
- j. Install right capping ring assembly (3) onto windshield frame and secure with four capscrews (2). Do not torque capscrews (2) at this time.
- k. Torque capscrews (2) to 6 lb ft (8 N•m).

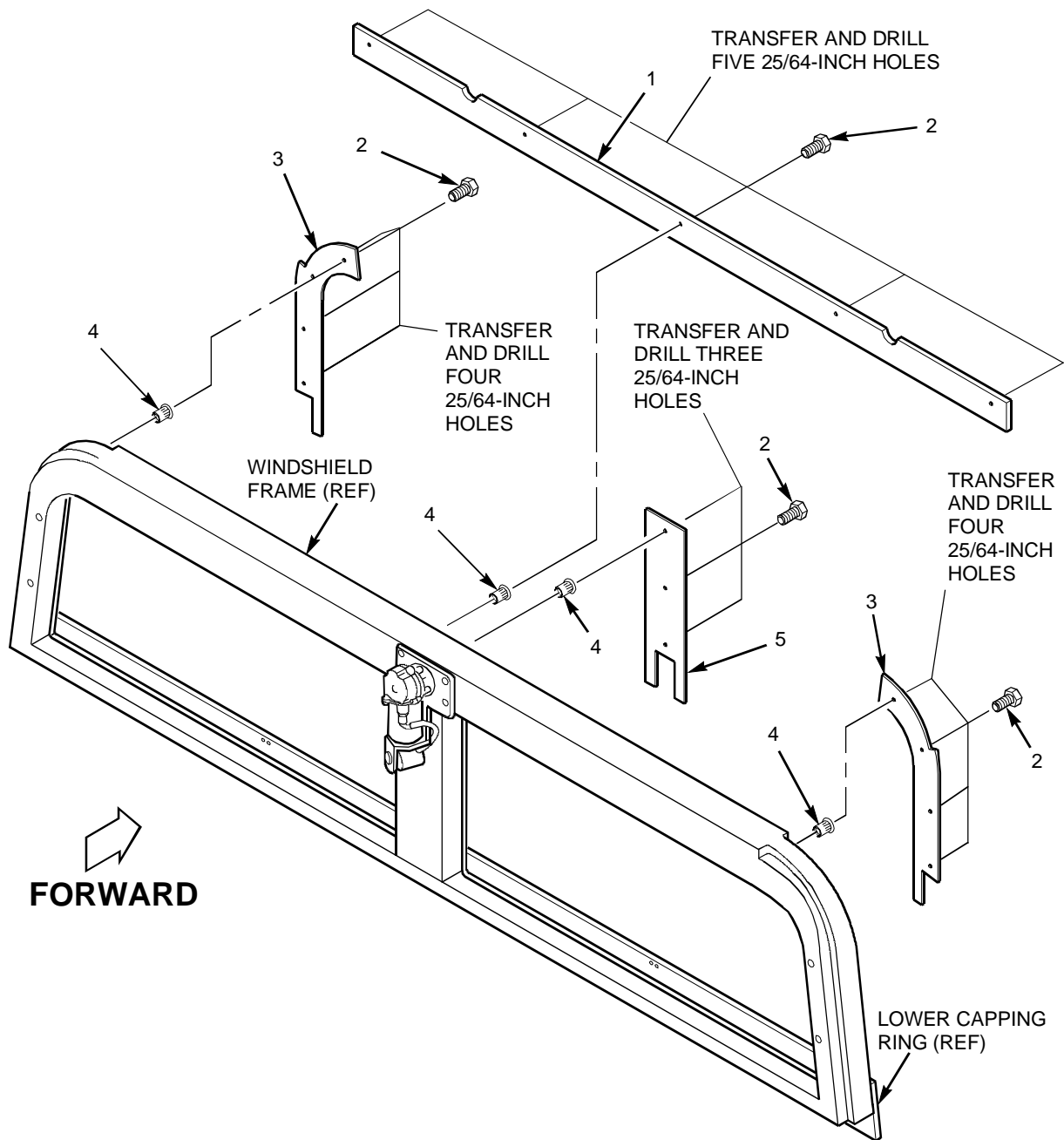


Figure 1-27. Windshield Armor Installation (2 and 4 Door)

TB 9-2510-251-24

- 4) Install windshield washer nozzles (see figure 1-28).
 - a. Insert hose connector (3) into washer hose (4) and (6) per figure 1-28.
 - b. Insert windshield washer hose (6) into windshield washer nozzle and secure nozzle to lower capping ring with 3/4-inch screw (1). Install clamp (2) onto hose (6) and secure to lower capping ring with 1/2-inch screw (5).
 - c. Repeat steps a. and b. for opposite side of vehicle.

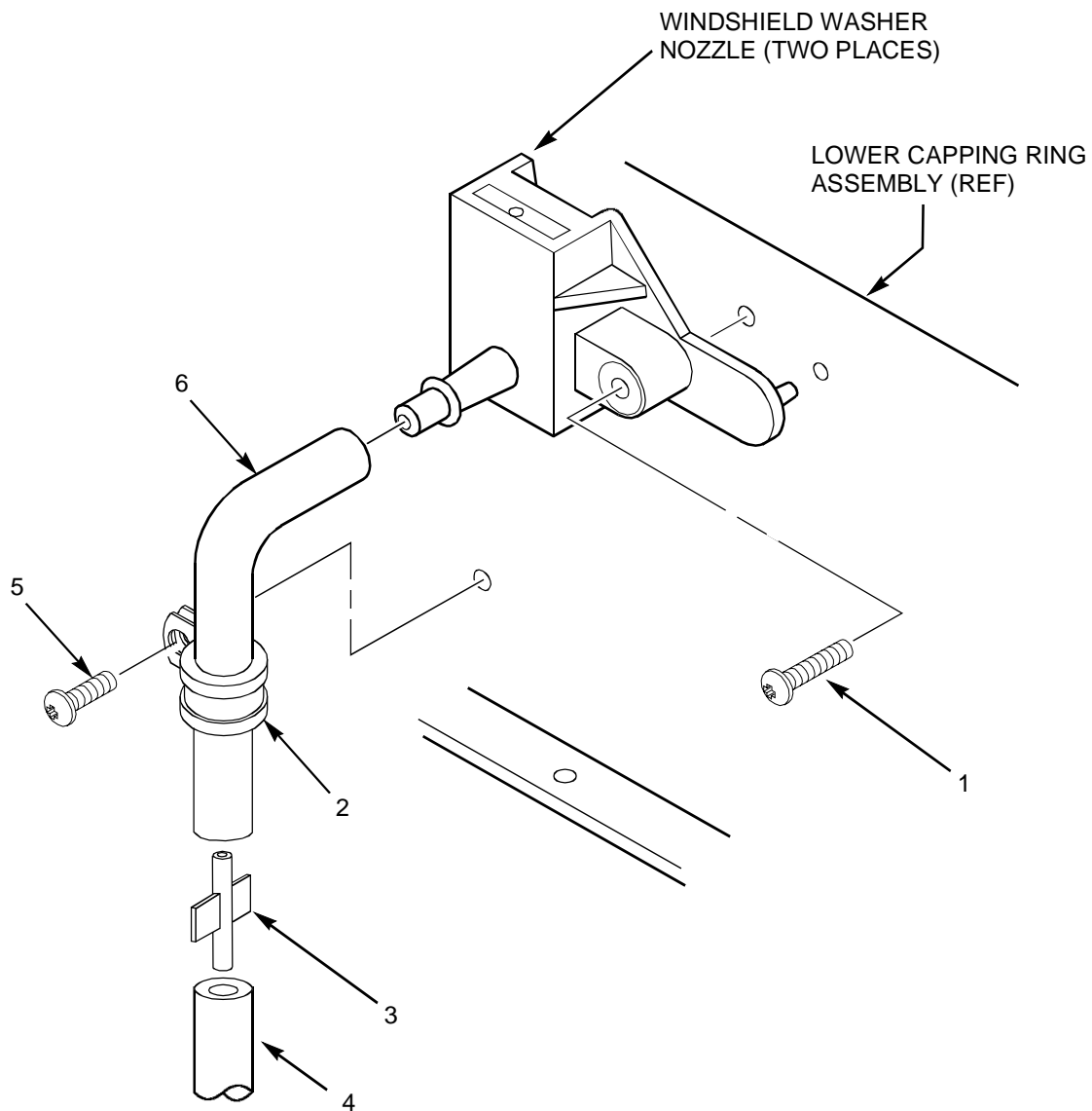


Figure 1-28. Windshield Washer Nozzle Installation (2 and 4 Door)

- 5) Install wiper arm extension as follows (see figure 1-29).
 - a. Install wiper windshield arm (3) onto splines of wiper arm extension (2).
 - b. Align and install wiper arm extension (2) with wiper windshield arm (3) onto manual control lever spline (1) with the wiper blade in the OFF position. Do not tighten set screw (4). Operate the ON/OFF wiper blade switch to ensure proper wiper blade arc. Tighten set screw (4).
 - c. Repeat steps a. and b. for opposite of vehicle.

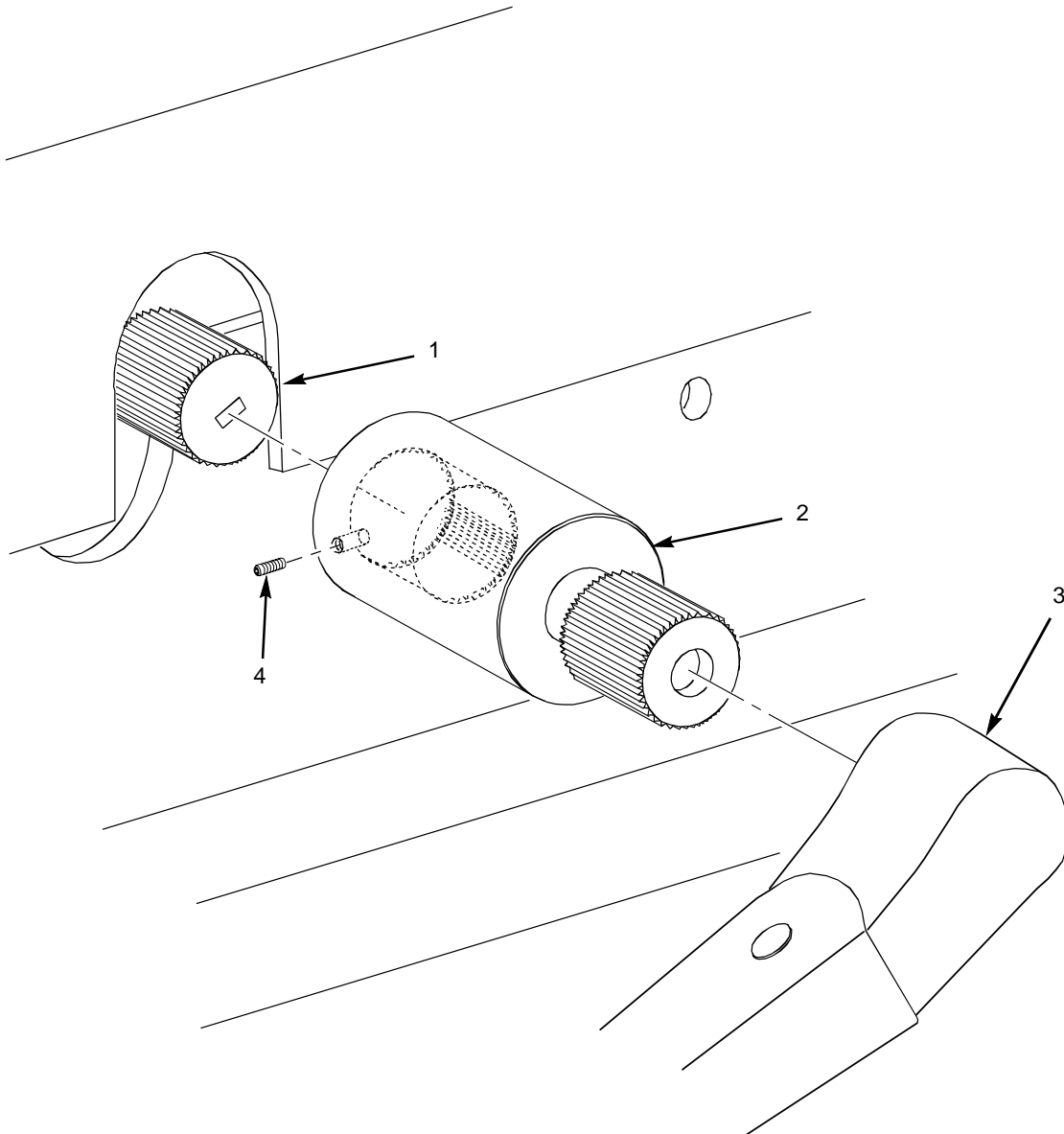


Figure 1-29. Wiper Arm Extension Installation (2 and 4 Door)

TB 9-2510-251-24

- 6) Modify and install windshield wiper blades (see figure 1-30).
 - a. Cut HArD Kit windshield wiper blade (1) per figure 1-30.
 - b. Install modified windshield wiper blade (TM 9-2320-280-20-3, para. 10-70).
 - c. Repeat steps a. and b. for opposite of vehicle.

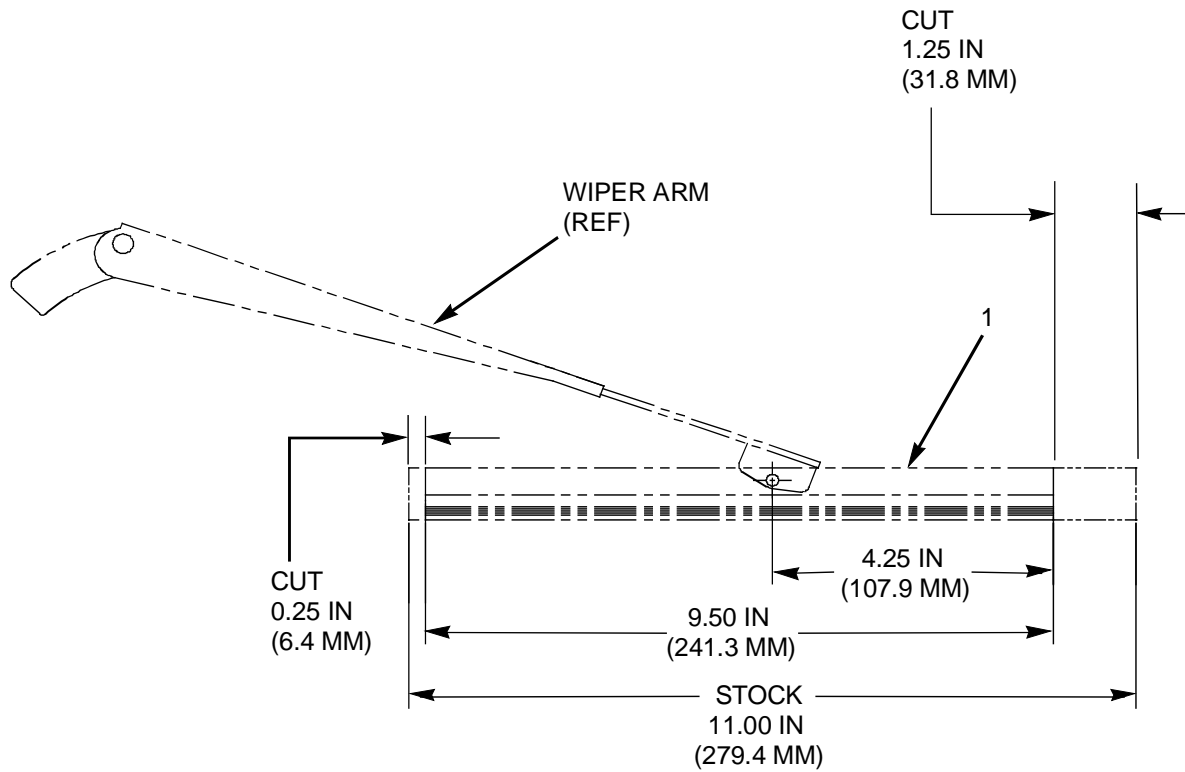


Figure 1-30. Windshield Wiper Blade Modification and Installation (Sheet 1 of 2) (2 and 4 Door)

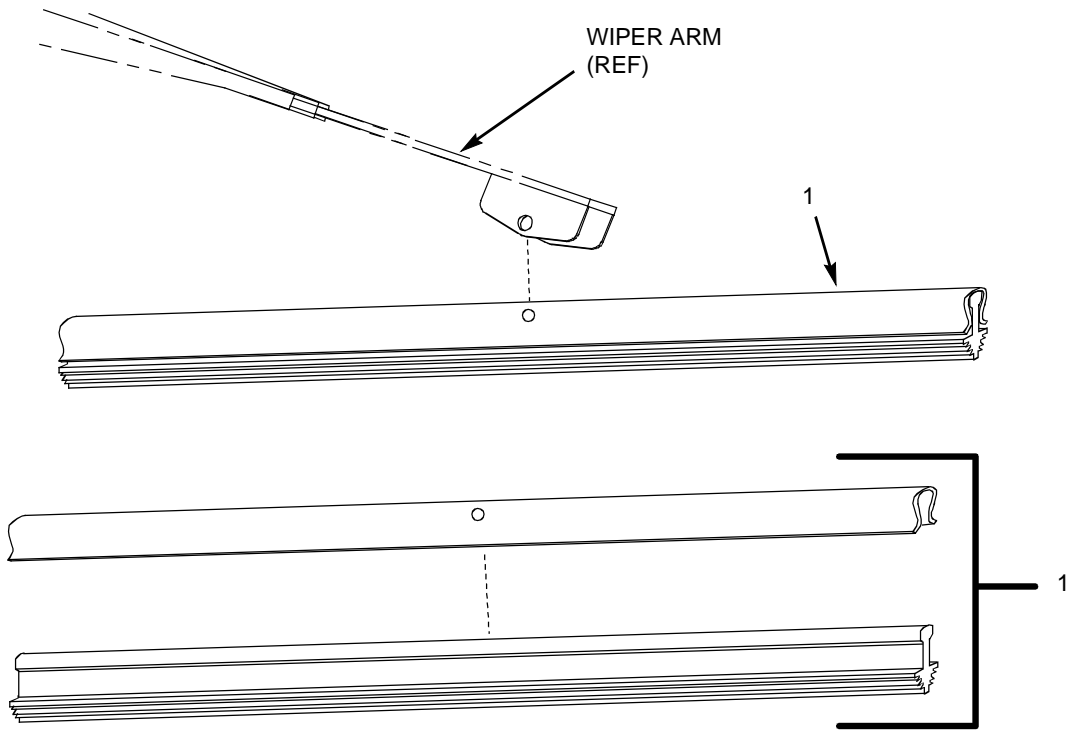


Figure I-30. Windshield Wiper Blade Modification and Installation (Sheet 2 of 2) (2 and 4 Door)

CHAPTER 2 REMOVAL – HARd KIT

Section I. PERIMETER REMOVAL

2-1. REMOVAL PROCEDURES REFERENCE INDEX

REF. PARA	TITLE	PAGE
2-1	Removal Procedures Reference Index.....	2-1
2-2	Windshield Removal (2 and 4 Door).....	2-2
2-3	Door Removal (2 and 4 Door).....	2-5
2-4	Left Side A and B Pillar Armor Removal (2 and 4 Door).....	2-9
2-5	Right Side A and B Pillar Armor Removal (2 and 4 Door).....	2-12
2-6	C-Partition Removal (4 Door Only).....	2-15
2-7	Rear Partition Removal (2 Door Only).....	2-21
2-8	Left Side Rocker Panel Armor Removal (2 and 4 Door).....	2-26
2-9	Right Side Rocker Panel Armor Removal (2 and 4 Door).....	2-28

2-2. WINDSHIELD REMOVAL (2 AND 4 DOOR)

a. Removal

1. Remove windshield armor and windshield glass (see figure 2-1).
 - a. Remove three capscrews (3) and center capping ring assembly (4) from vehicle.
 - b. Remove five capscrews (2) and upper capping ring assembly (1) from vehicle.
 - c. Remove four capscrews (10) and left capping ring assembly (9) from vehicle.
 - d. Remove four capscrews (5) and right capping ring assembly (6) from vehicle.
 - e. Remove five capscrews (7) and lower capping ring assembly (8) from vehicle.

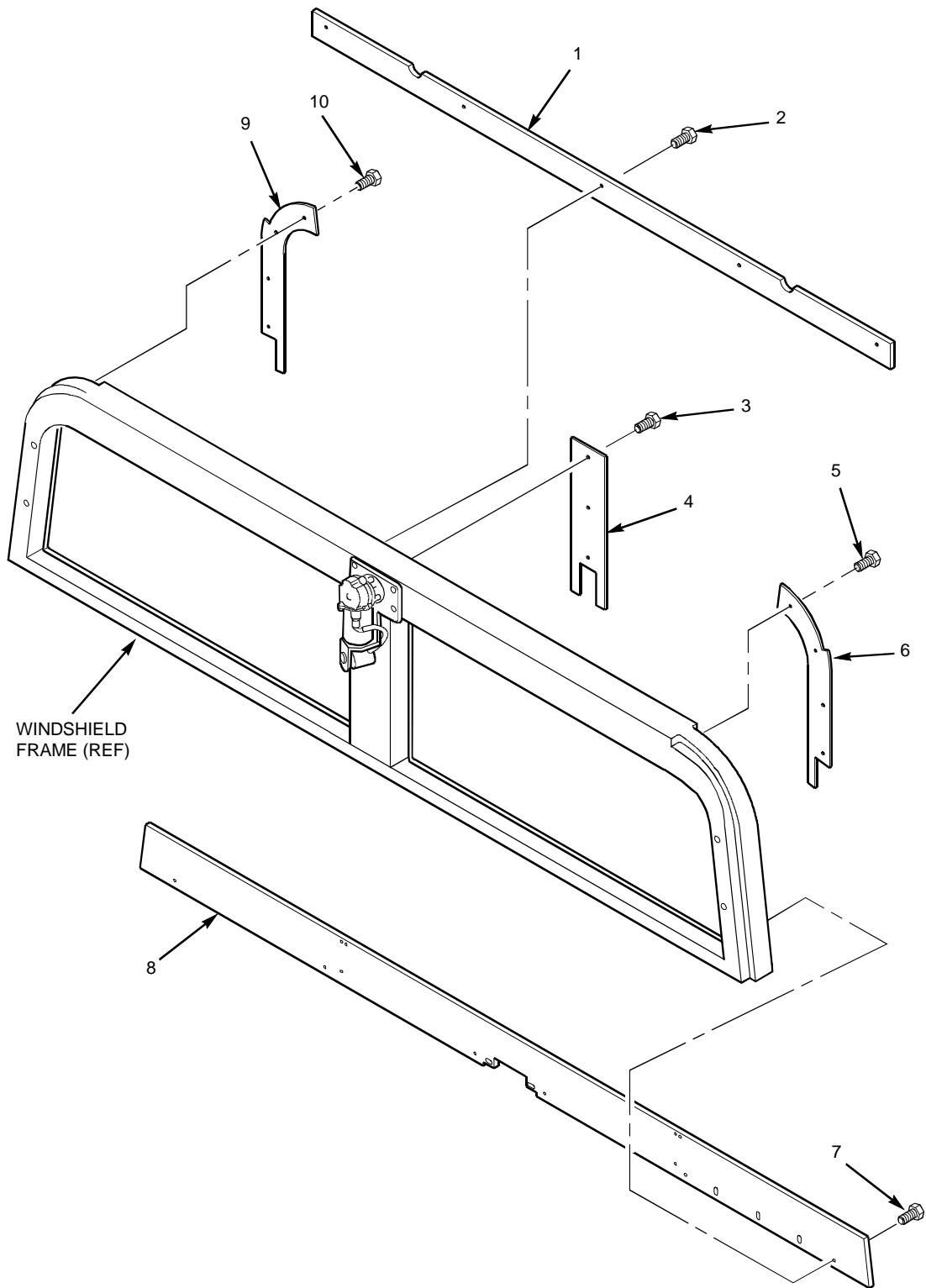


Figure 2-1. Windshield Armor Removal (2 and 4 Door)

2. Remove windshield glass (see figure 2-2).
 - a. Remove gasket (2) and windshield glass (1) from windshield frame (3).

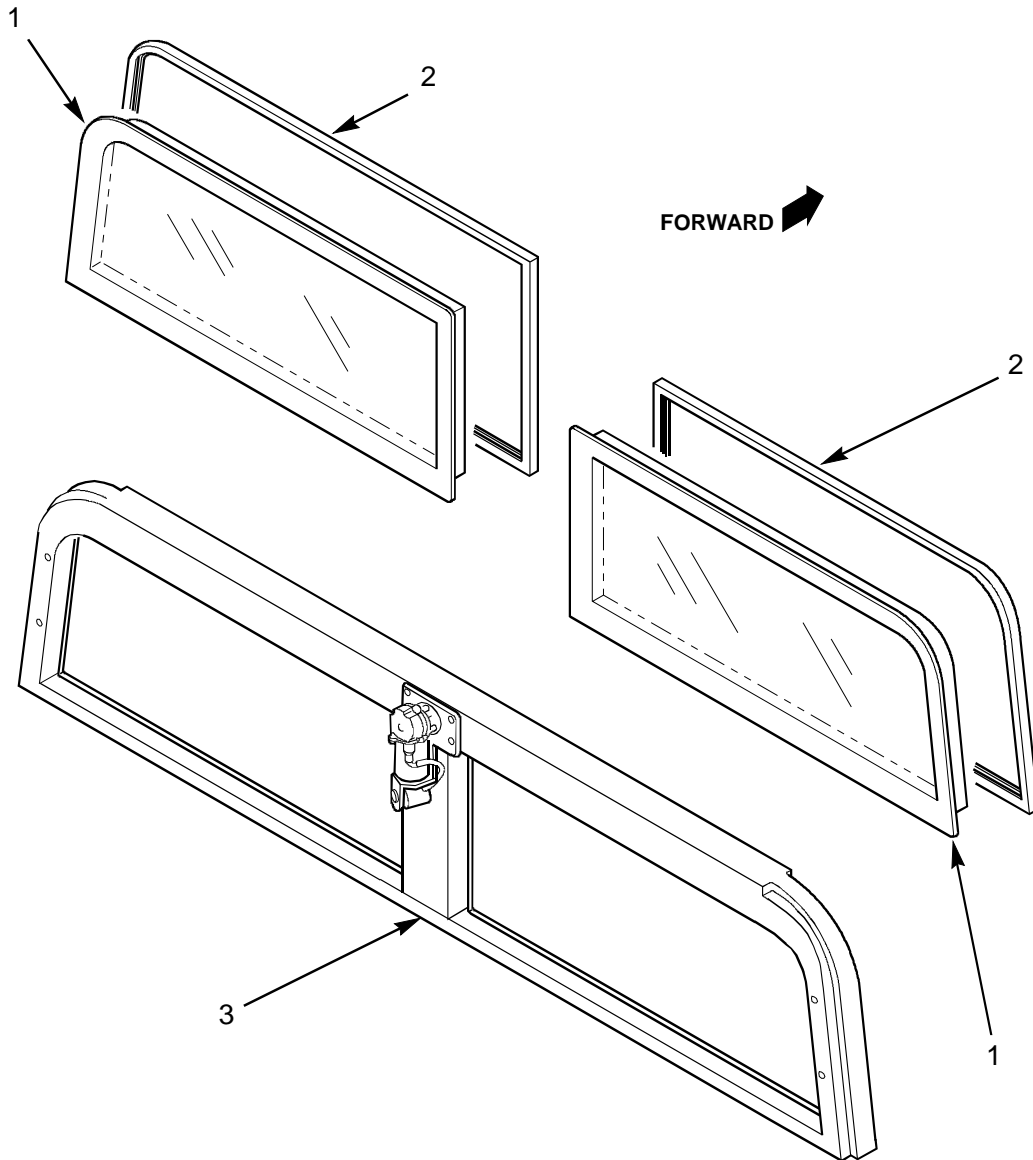


Figure 2-2. Windshield Glass Removal (2 and 4 Door)

2-3. DOOR REMOVAL (2 AND 4 DOOR)

a. Removal

1. Remove rear door(s) (see figure 2-3).
 - a. While supporting door assembly (1), remove nine capscrews (6), washers (5), B-pillar cover strip (4), and B-pillar nut plate (2).
 - b. Remove door assembly (1).
 - c. Repeat steps a. and b. for opposite side of vehicle.

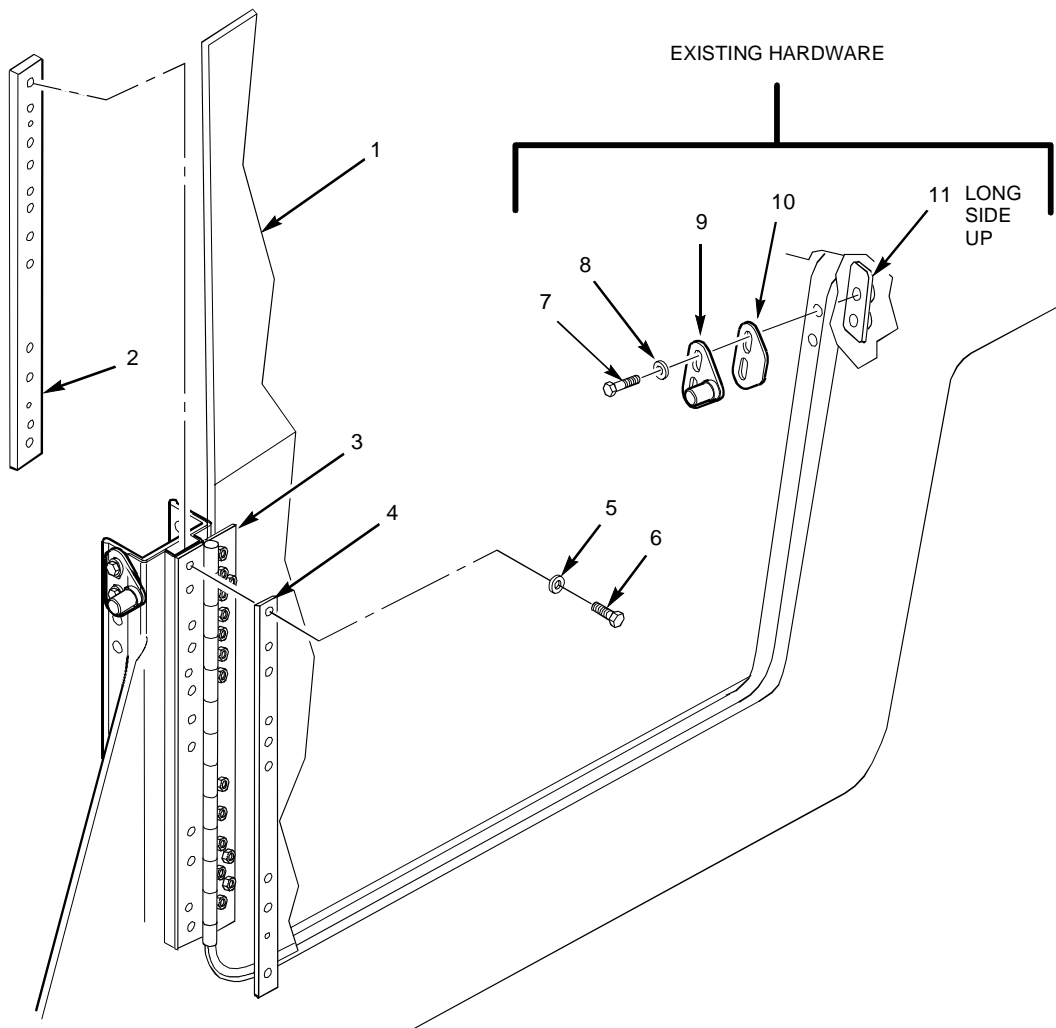


Figure 2-3. Rear Door Removal (4 Door Only)

TB 9-2510-251-24

2. Remove rear door ramp block (see figure 2-4).
 - a. Remove two capscrews (1) and locknuts (3) securing rear door ramp block assembly (2).
 - b. Remove rear door ramp door assembly (2).
 - c. Repeat steps a. and b. for opposite side of vehicle.

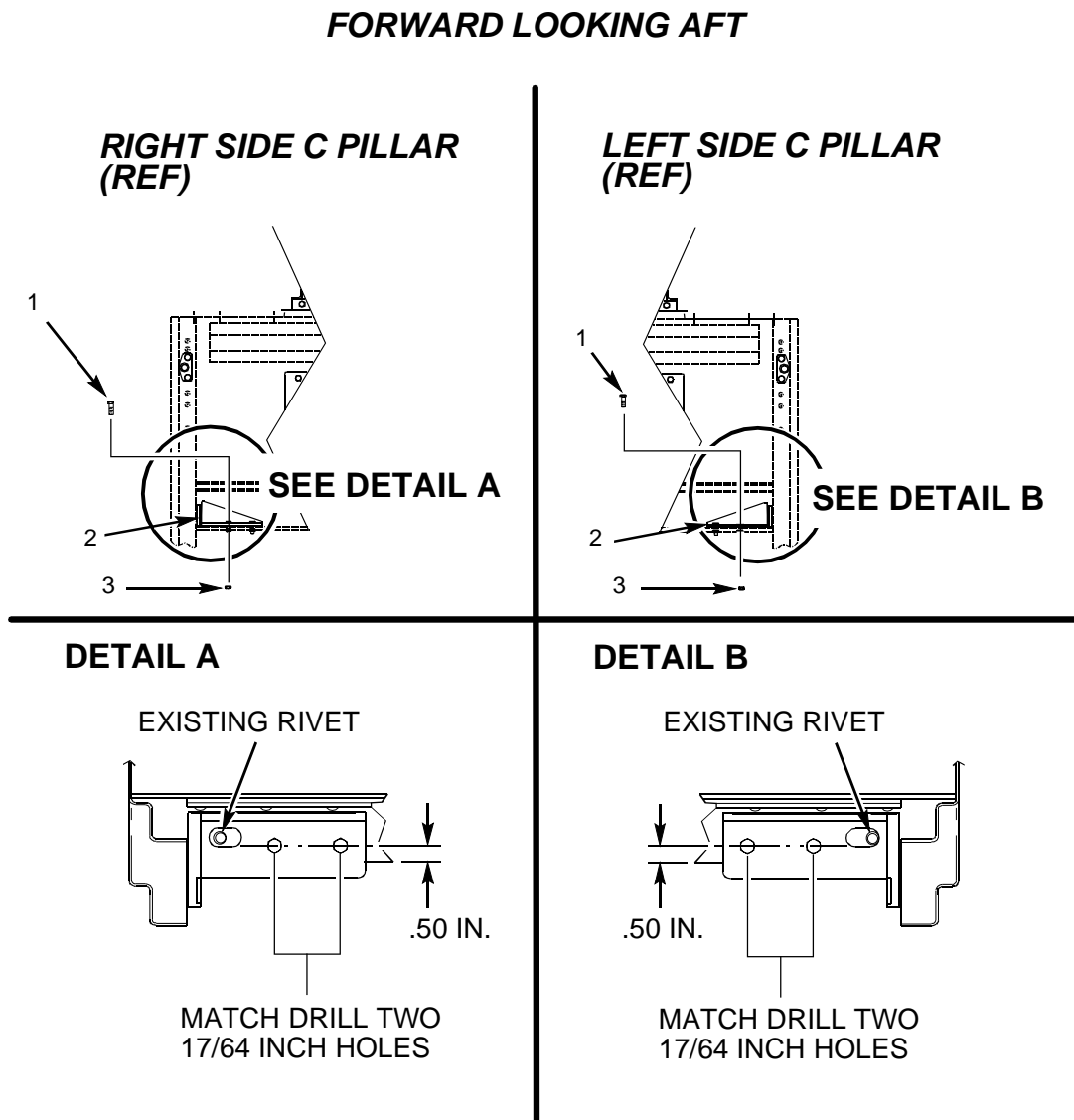


Figure 2-4. Rear Door Removal (4 Door Only)

3. Remove front door (see figure 2-5).
 - a. While supporting door assembly (1), remove nine capscrews (5), washers (4), and cover strip (3).
 - b. Remove door assembly (1) with attaching hinge (2).
 - c. Repeat steps a. and b. for opposite side of vehicle.

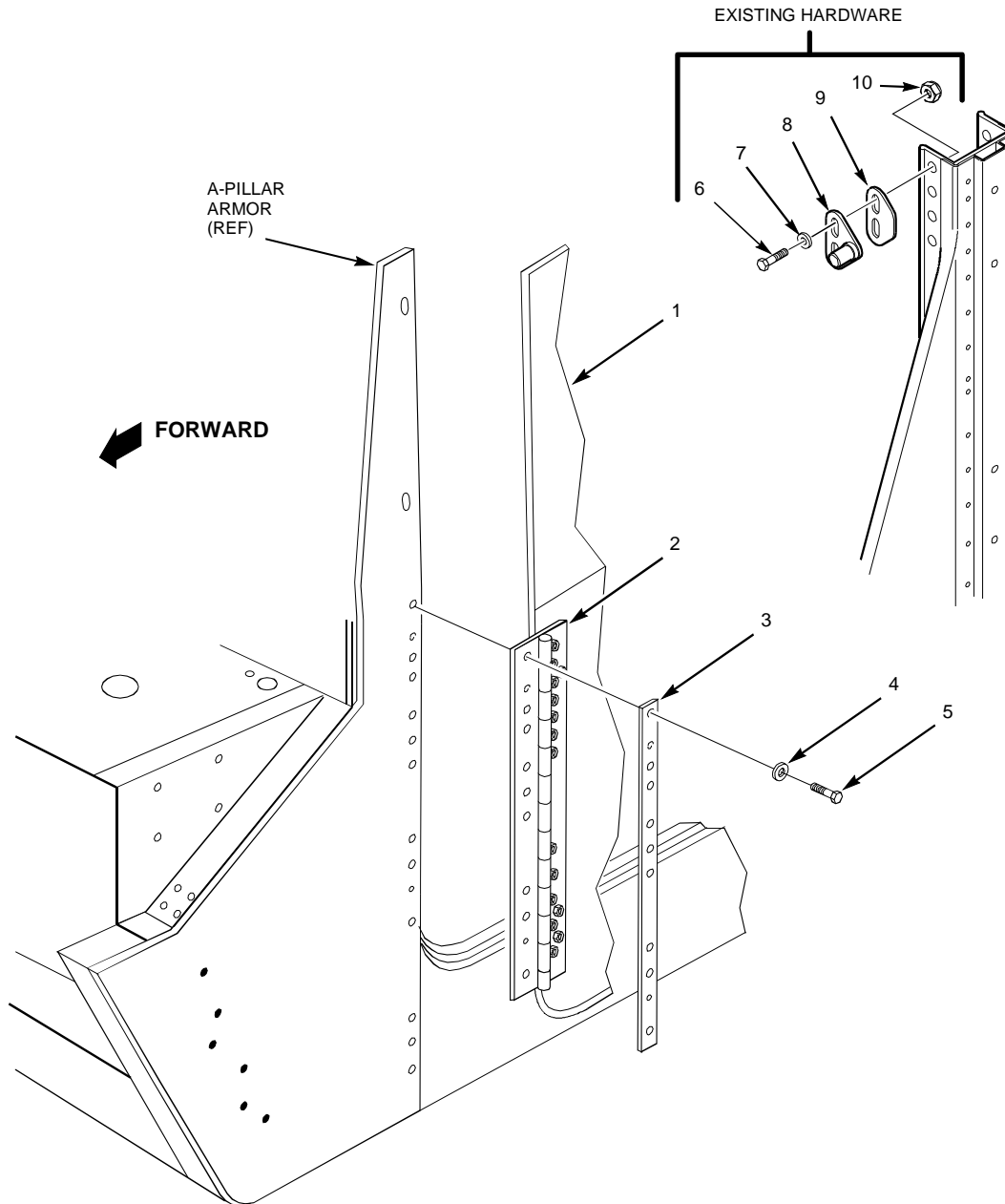


Figure 2-5. Front Door Removal (2 and 4 Door)

4. Remove front door ramp block (see figure 2-6).
 - a. Remove two capscrews (2), front door ramp block (1), lower front ramp block (3), and spacer (4).
 - b. Repeat step a. for opposite side of vehicle.

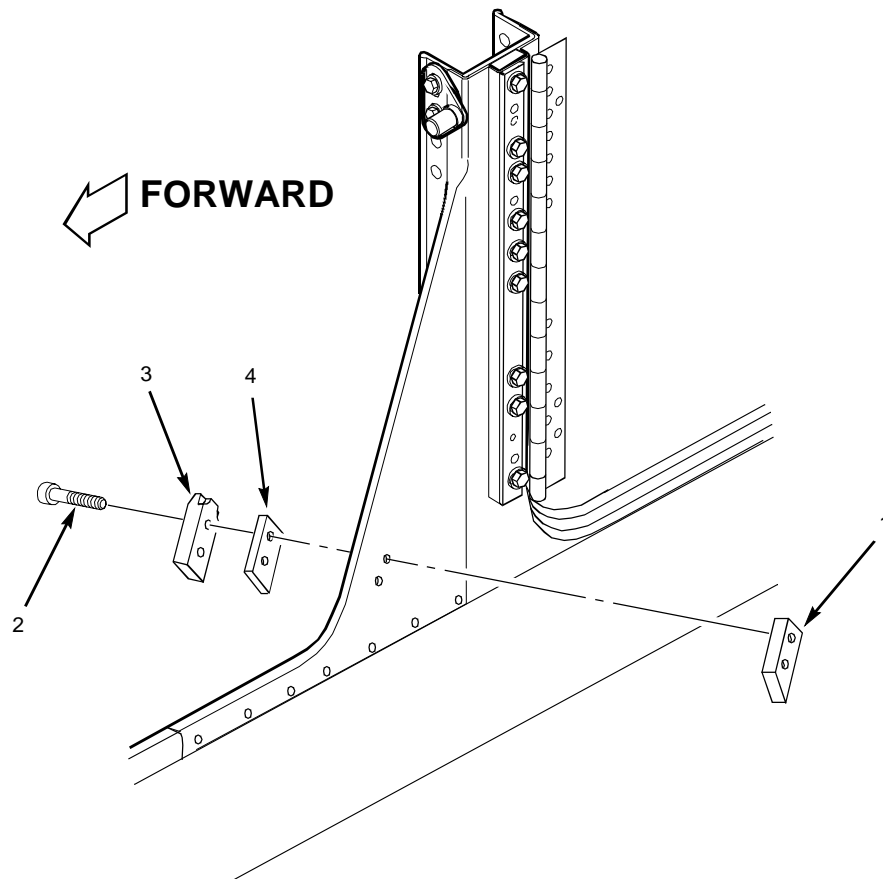


Figure 2-6. Front Door Ramp Block Removal (2 and 4 Door)

2-4. LEFT SIDE A AND B PILLAR ARMOR REMOVAL (2 AND 4 DOOR)

a. Removal

1. Remove left front door striker (see figure 2-7).
 - a. Remove two capscrews (1), washers (2), and locknuts (5) securing striker (3) with shims(s) (4).
 - b. Remove striker (3) and shim(s) (4).
 - c. Retain parts. Do not discard capscrews (1), washers (2), and locknuts (5) securing striker (3) or shims(s) (4).

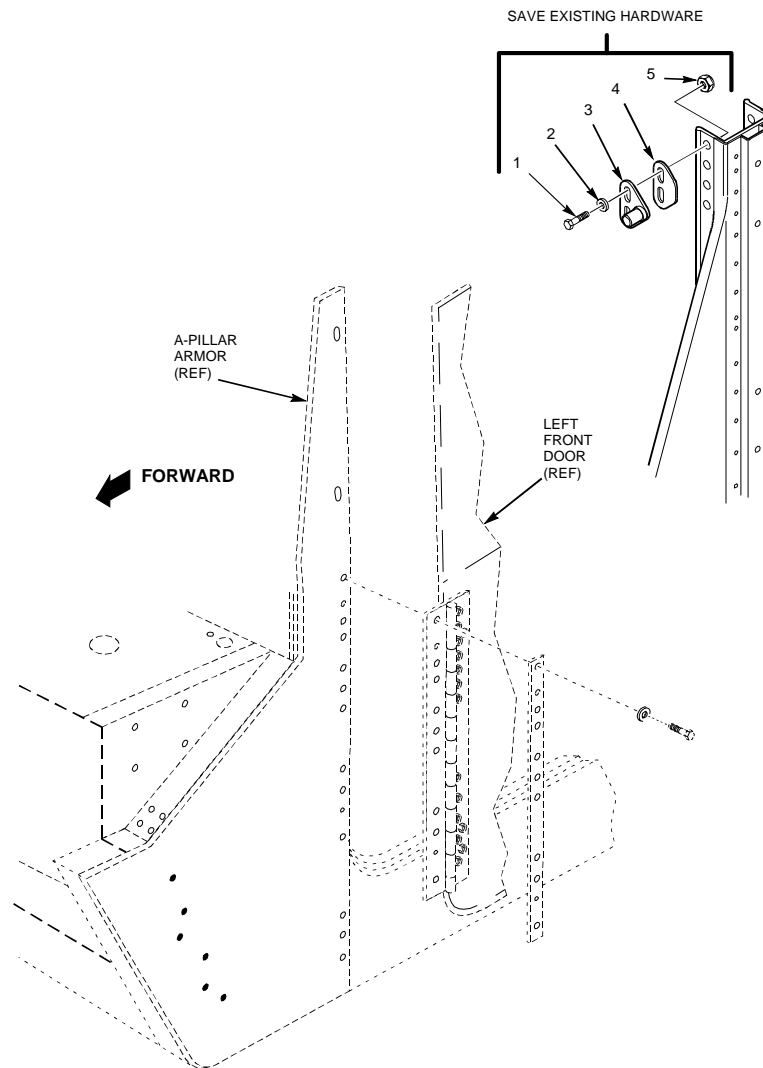


Figure 2-7. Left Front Door Striker Removal (2 and 4 Door)

TB 9-2510-251-24

2. Remove left side A-pillar reinforcement and A-pillar armor (see figure 2-8).
 - a. Remove left front underbody.
 - b. Remove left kick panel outer liner.
 - c. While supporting door assembly, remove nine capscrews (5), washers (4), and cover strip (6) securing A-pillar armor (2) to vehicle left front cowl (1). Remove door assembly.
 - d. Remove left pre-assembled A-pillar reinforcement bar and left A-pillar reinforcement channel assembly (7).
 - e. Remove A-pillar armor (2).

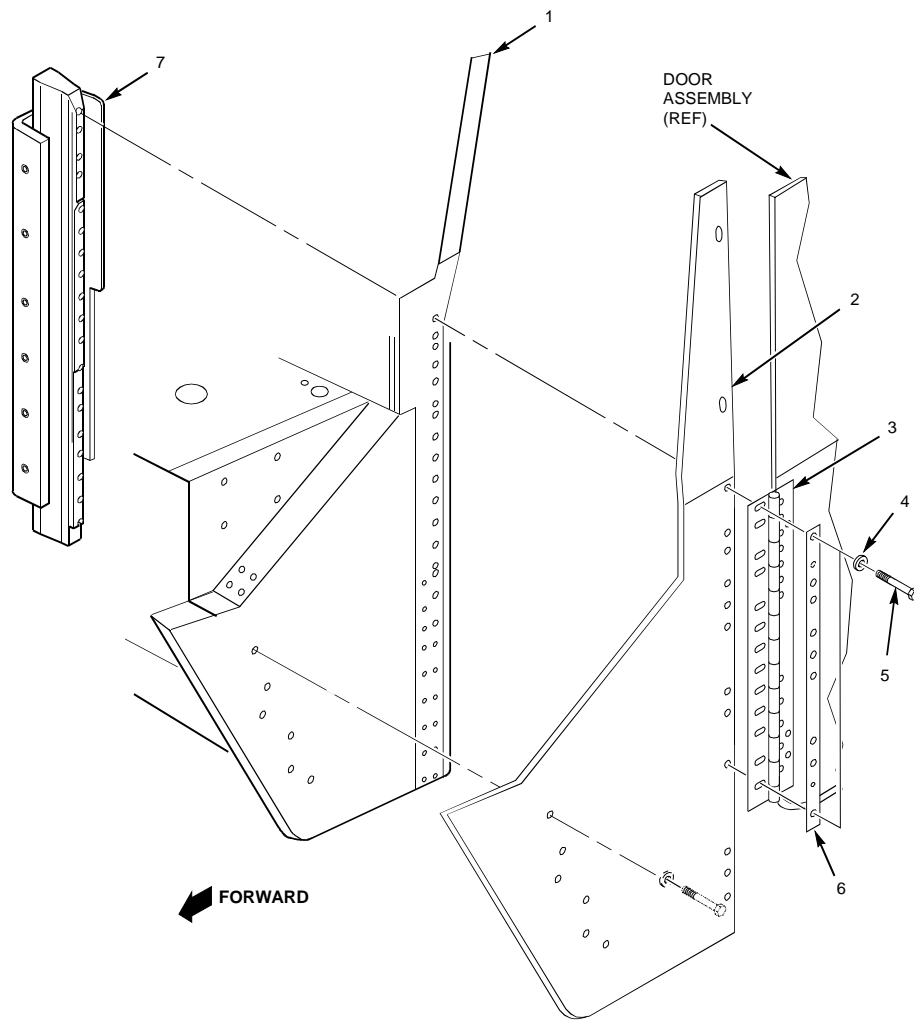


Figure 2-8. Left A-Pillar Reinforcement and A-Pillar Armor Removal (2 and 4 Door)

3. Remove B-pillar armor as follows (see figure 2-9).
 - a. Remove nine capscrews (6), washers (5), and B-pillar cover strip (4).
 - b. Remove door and hinge assembly (3), B-pillar armor (2), and B-pillar nut plate (1).
 - c. Repeat steps a. and b. for opposite side of vehicle.

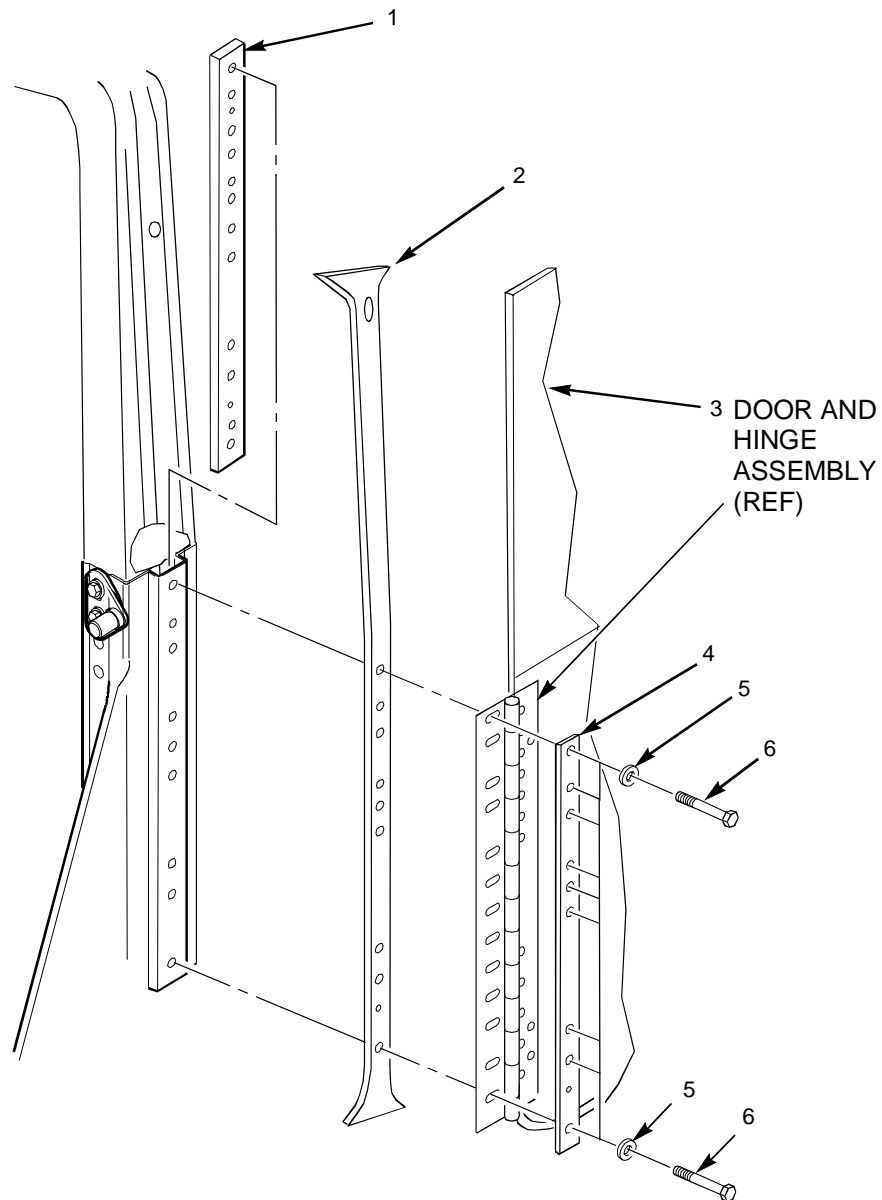


Figure 2-9. B-Pillar Armor Removal (2 and 4 Door)

2-5. RIGHT SIDE A AND B PILLAR ARMOR REMOVAL (2 AND 4 DOOR)

a. Removal

1. Remove right side A-pillar reinforcement and A-pillar armor (see figure 2-10).
 - a. While supporting door assembly, remove nine capscrews (5) securing door to A-pillar armor (2) and hinge cover strip (4).
 - b. Remove door assembly with attaching door hinge (3).
 - c. Remove A-pillar armor (2).
 - d. Remove pre-assembled right A-pillar reinforcement bar (6) and right A-pillar reinforcement channel (7).

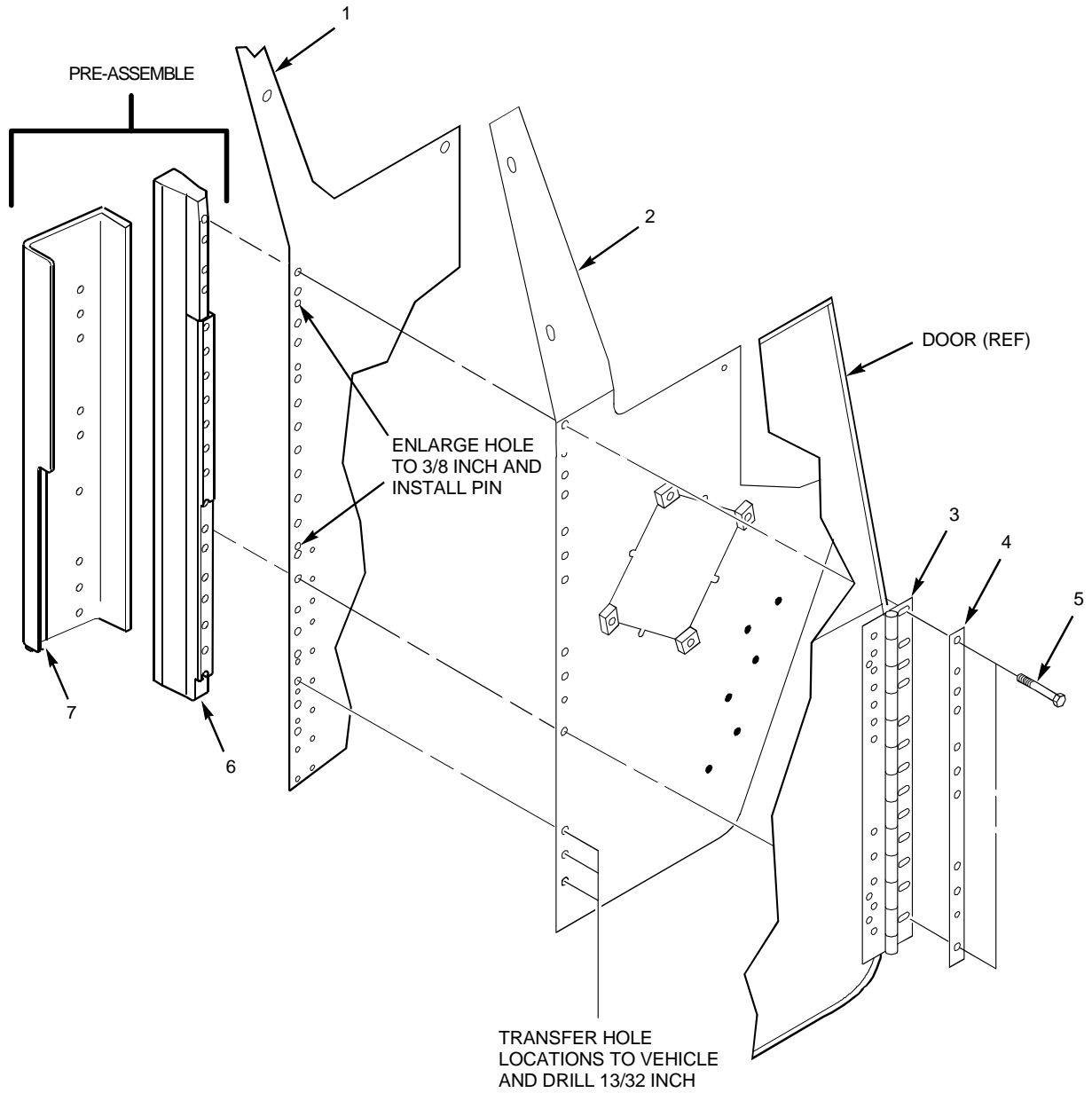


Figure 2-10. Right A-Pillar Reinforcement and A-Pillar Armor Removal (2 and 4 Door)

2. Remove right front door striker (see figure 2-11).
 - a. Remove two capscrews (6), washers (7), and locknuts (8) securing striker (9) and spacer (10).
 - b. Remove striker (9) and spacer (10). Do not discard parts.

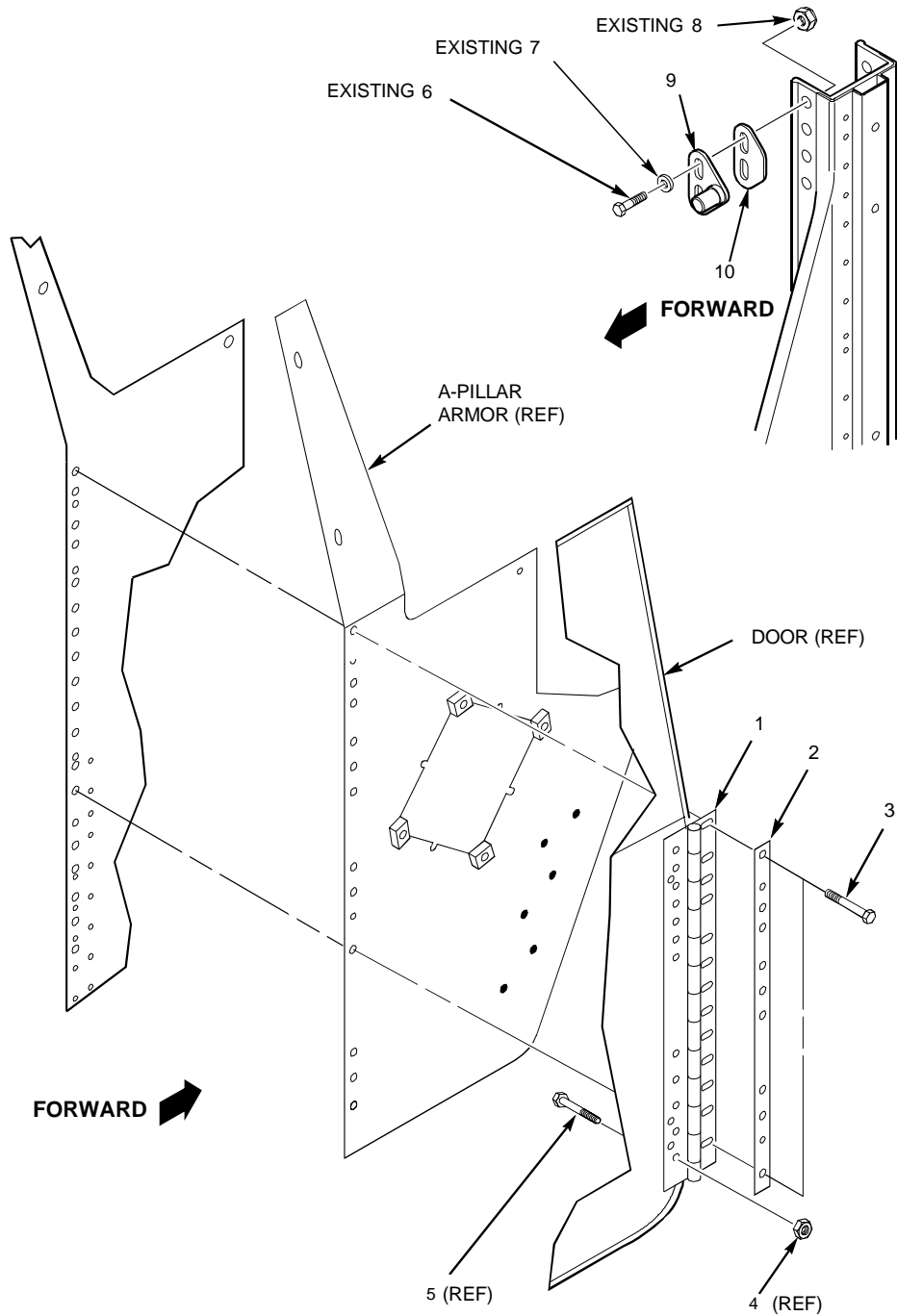


Figure 2-11. Right Front Door Striker Removal (2 and 4 Door)

2-6. C - PARTITION REMOVAL (4 DOOR ONLY)**a. Removal**

1. Remove rear seat backing plates as follows (see figure 2-12).
 - a. Remove two capscrews (5), three capscrews (8), and three washers (7) securing rear seat backing plate (6) to vehicle. Remove rear seat backing plate (6).
 - b. Remove two capscrews (1) and locknuts (4) securing seat backing support (2). Discard locknuts (4). Remove seat backing support (2).
 - c. Repeat steps a. and b. for opposite side of vehicle.

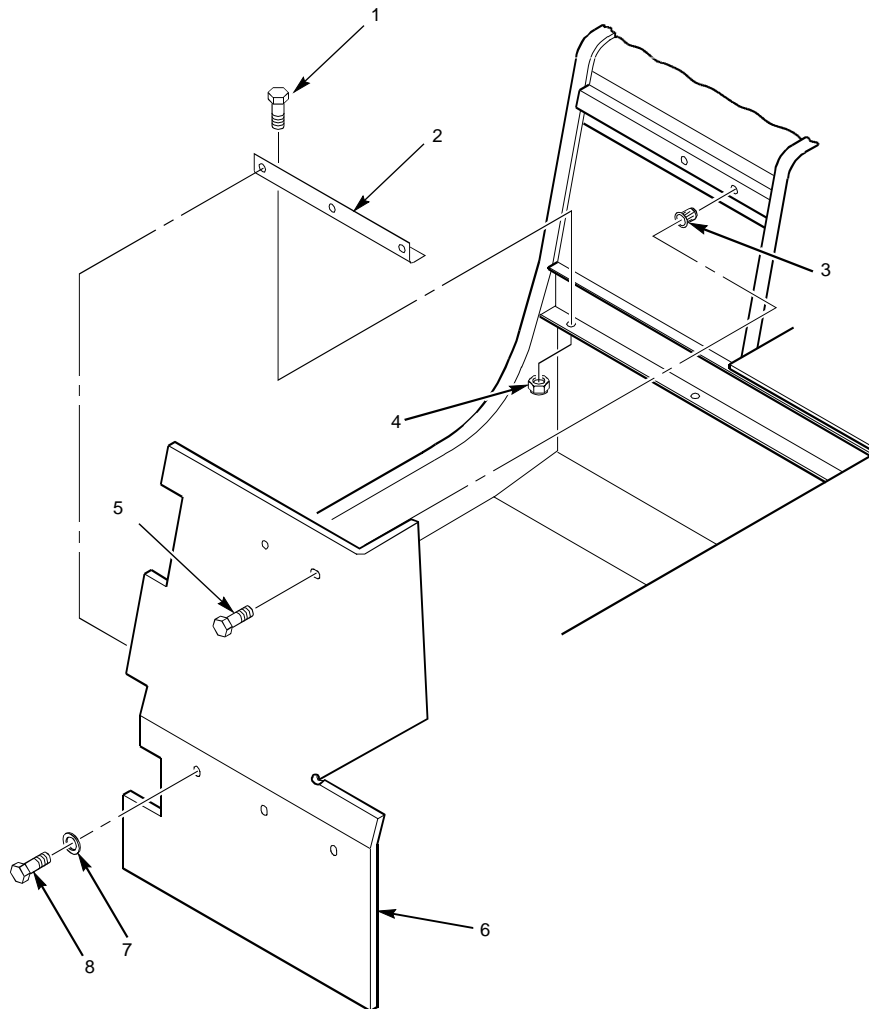


Figure 2-12. Rear Seat Backing Plates Removal (4 Door Only)

2. Remove C-partition isolator brackets as follows (see figure 2-13).
 - a. Remove two capscrews (16), four washers (15), two isolator mount bushings (7), and two locknuts (18). Discard locknuts (18) per detail A. Remove four capscrews (20), shim (22), and right isolator bracket (14).
 - b. Remove two capscrews (16), four washers (15), two isolator mount bushings (7), and two locknuts (18). Discard locknuts (18) per detail B. Remove four capscrews (20), shim (22), and left isolator bracket (14).

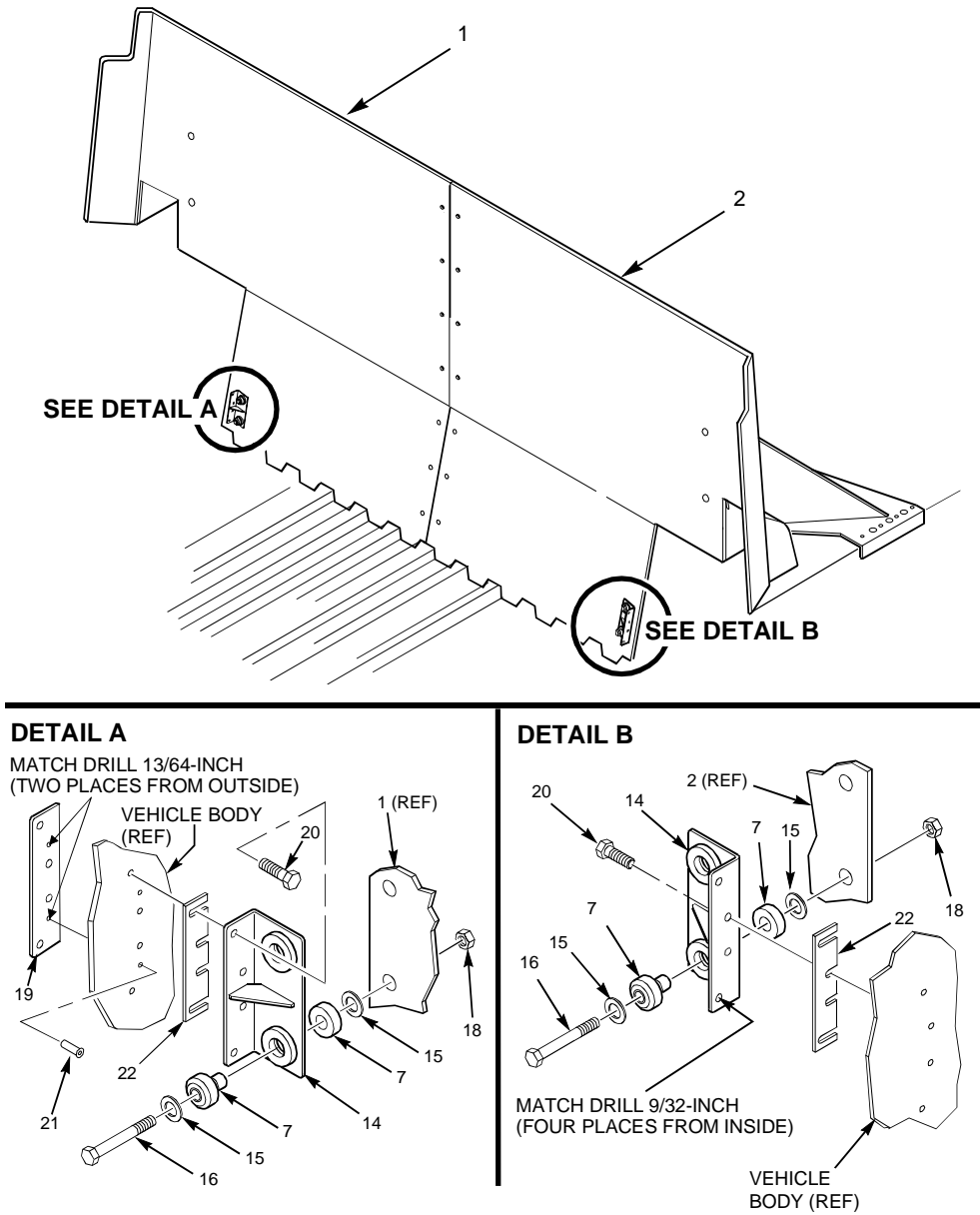


Figure 2-13. C-Partition Isolator Brackets Removal (4 Door Only)

3. Remove Upper C-partition as follows (see figure 2-14).
 - a. Remove two capscrews (11), six washers (12), and two locknuts (13). Discard locknuts (13). Repeat step on opposite of vehicle.
 - b. Remove eight capscrews (9), washers (14) and two mount bracket isolators (7). Repeat step on opposite of vehicle
 - c. Remove eight capscrews (4) and locknuts (5). Remove upper C-partition gap strip (3).
 - d. Remove six capscrews (15) and locknuts (16). Remove lower C-partition gap strip (6).
 - e. Remove left C-partition (1) from vehicle. Remove right C-partition (2) from vehicle.

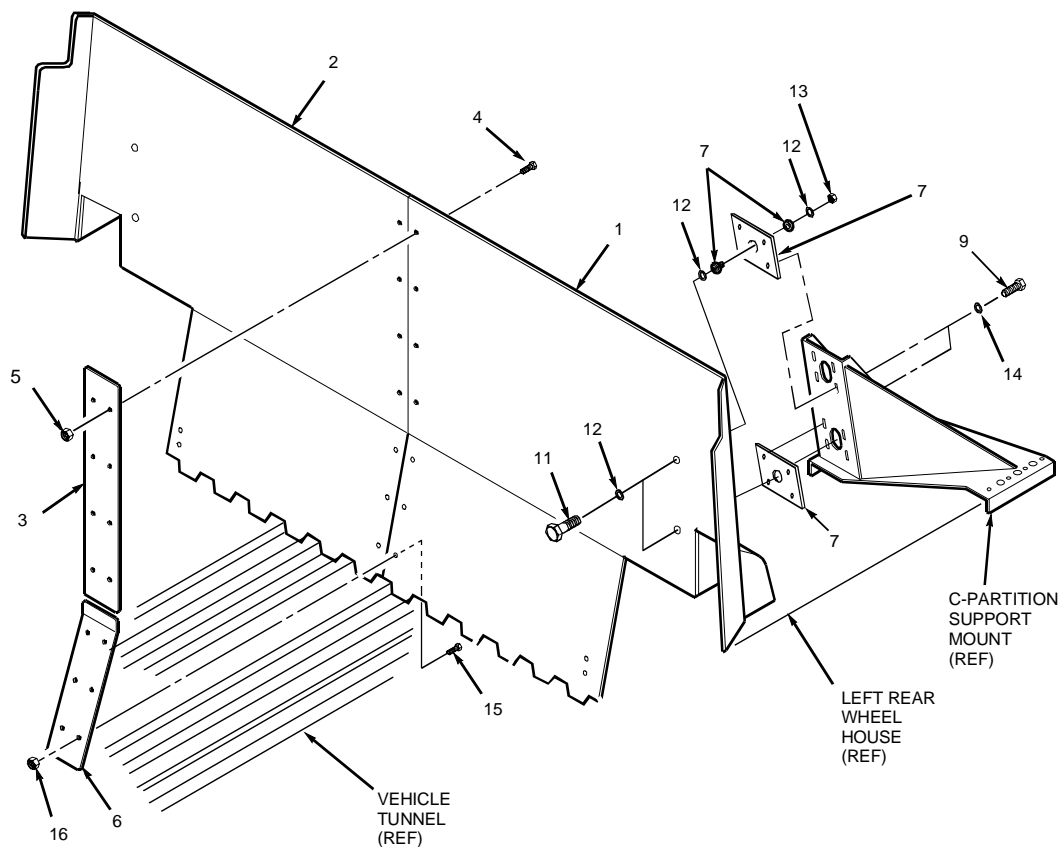


Figure 2-14. Upper C-Partition Removal (4 Door Only)

4. Remove C-partition support mounts as follows (see figure 2-15).
 - a. Remove 20 capscrews (2) and locknuts (3) securing C-partition support mount (1). Discard locknuts (3).
 - b. Remove C-partition support mount (1).
 - c. Repeat steps a. and b. for opposite of vehicle.

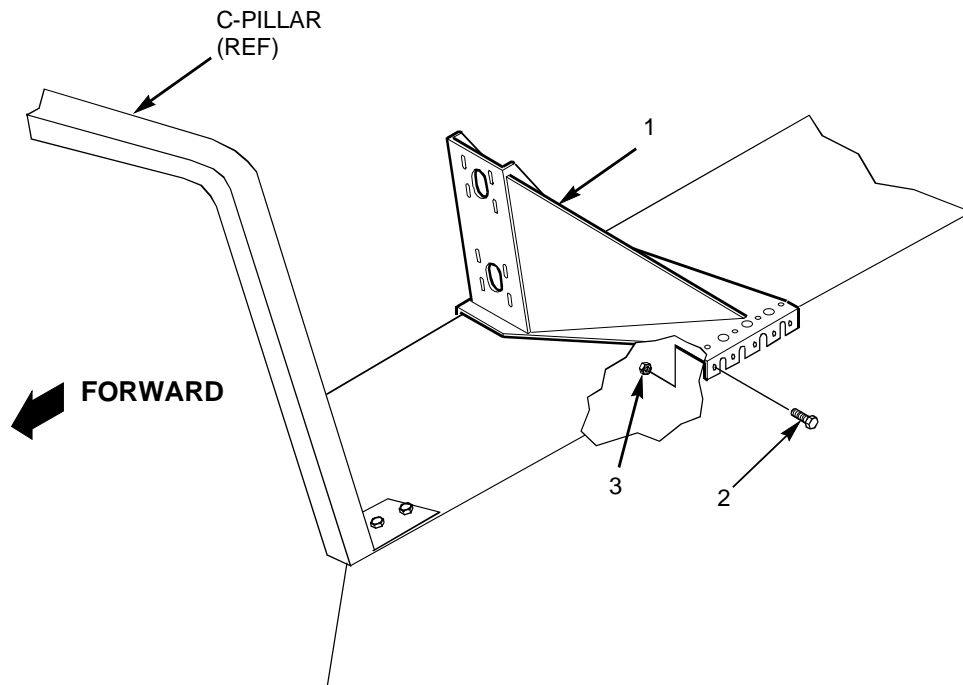


Figure 2-15. C-Partition Support Mount Removal (4 Door Only)

5. Remove support plates as follows (see figure 2-16).
 - a. Remove capscrew (4), two washers (5), and locknut (8). Discard locknut (8).
 - b. Remove four capscrews (2), eight washers (3), and four locknuts (7) securing retractor mounting bracket (1) and C-partition support mount (6). Remove C-partition support mount (6). Discard four locknuts (7).
 - c. Repeat steps a. and b. for opposite of vehicle.

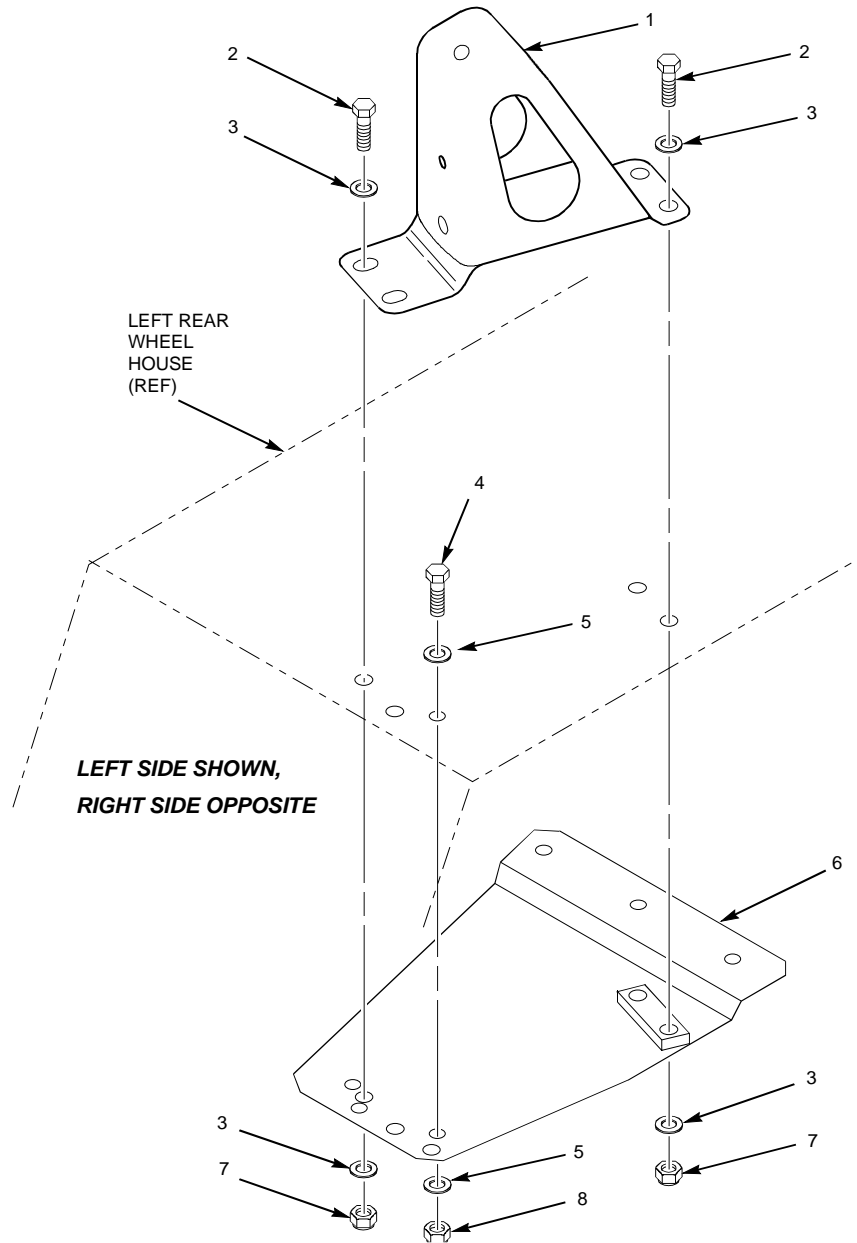


Figure 2-16. Support Plates Removal (4 Door Only)

6. Remove C-partition rubber as follows (see figure 2-17).
 - a. Peel off rubber strip (1) from vehicle.

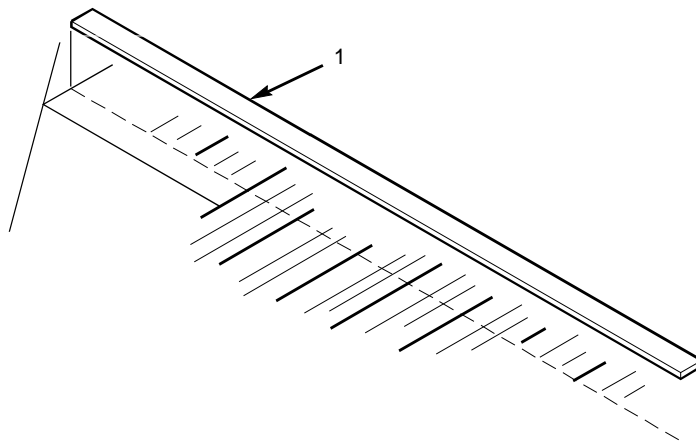


Figure 2-17. C-Partition Rubber Removal (4 Door Only)

2-7. REAR PARTITION REMOVAL (2 DOOR ONLY)

a. Removal

- 1) Remove lower B-partition panels as follows (see figure 2-18):
 - a. Remove four capscrews (4), two capscrews (2), six washers (1) and six locking nuts (6) securing lower B-partitions (5 and 3) to left and right B-partition assemblies and B-partition mount brackets. Discard locking nuts (6). Remove lower B-partitions (5 and 3).

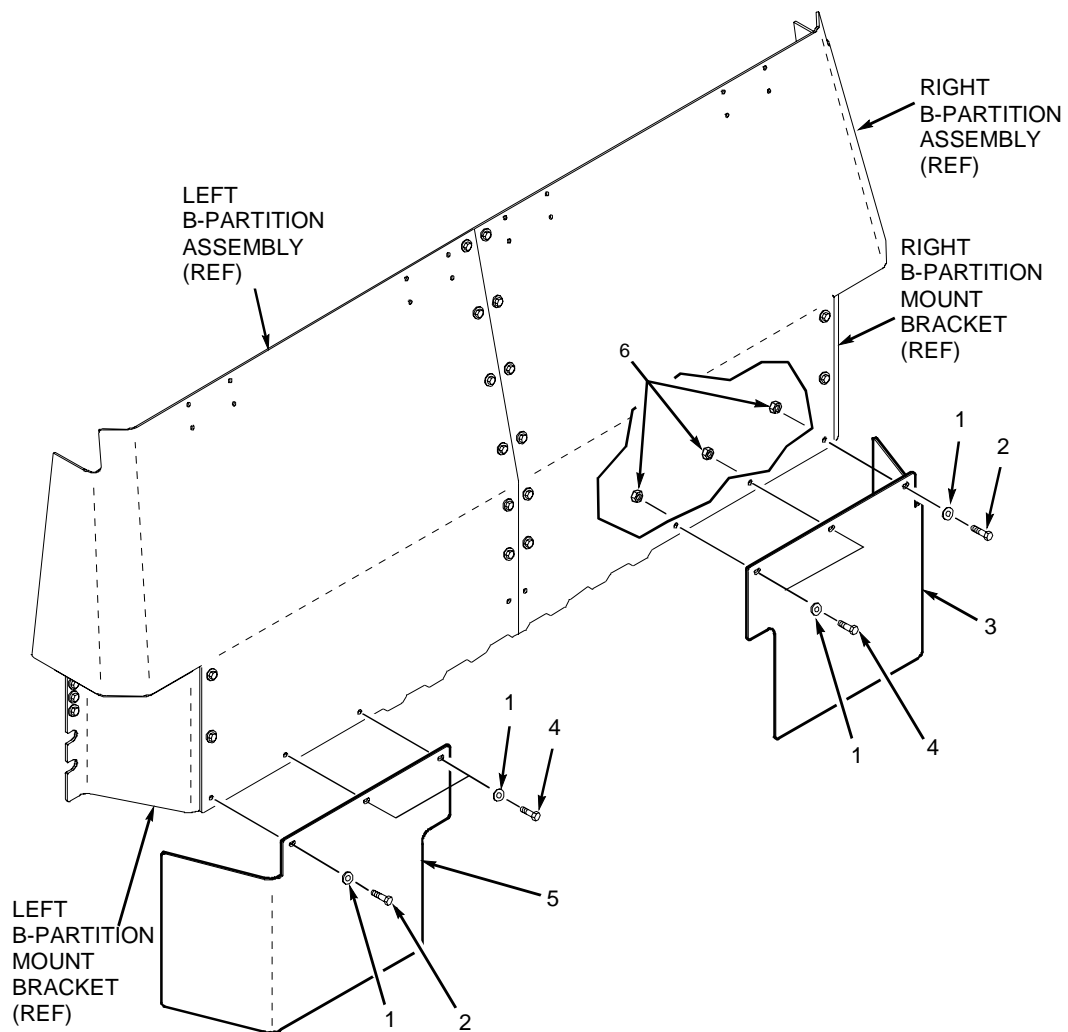


Figure 2-18. Lower B-Partition Removal (2 Door Only)

TB 9-2510-251-24

- 2) Remove lower B-partition center mount bracket as follows (see figure 2-19):
- a. Remove two capscrews (1), washers (3) and locking nuts (4) securing B-partition center mount bracket (2) to lower B-partition gap strip and left and right B-partition assemblies. Discard locking nuts (4).
 - b. Remove two capscrews (6) and washers (5) securing center mount bracket (2) to vehicle tunnel. Remove center mount bracket (2).

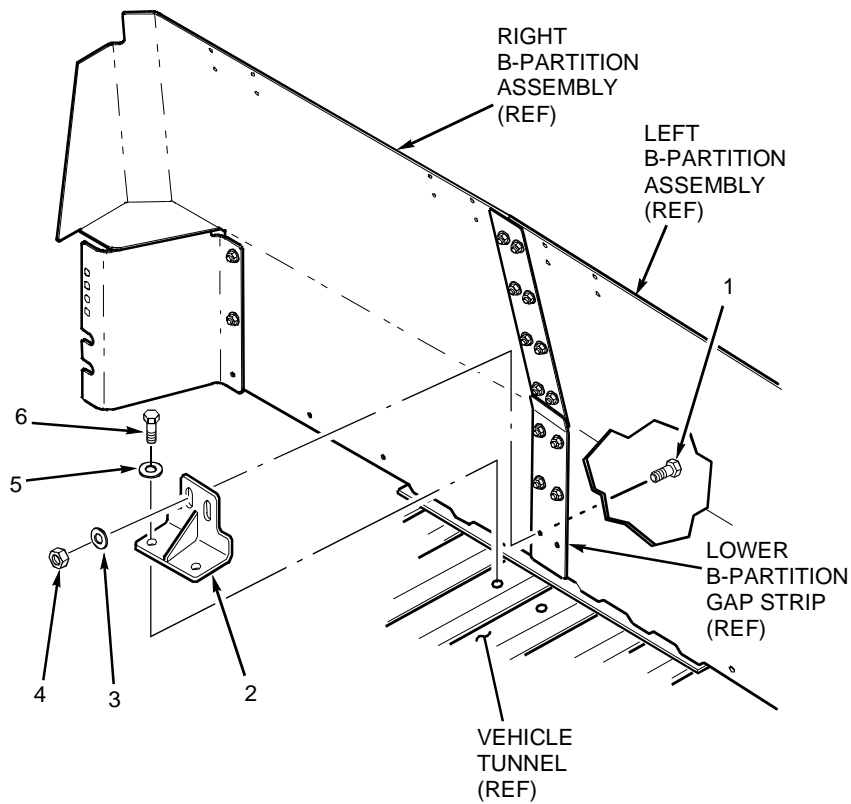


Figure 2-19. B-Partition Center Mount Removal (2 Door Only)

- 3) Remove B-partition assemblies as follows (see figure 2-20):
- Remove four capscrews (3), washers (4) and locking nuts (5) securing right and left B-partition assemblies (10 and 2), upper gap strip (11) and lower gap strip (6) to right and left B-partition mount brackets. Discard locking nuts (5).
 - Remove 12 capscrews (1), washers (7) and locking nuts (8) disassembling upper gap strip (11) and lower gap strip (6) from right and left B-partition assemblies (10 and 2). Discard locking nuts (8).
 - Peel up B-partition rubber strip (9) from vehicle tunnel. Discard used rubber strip.

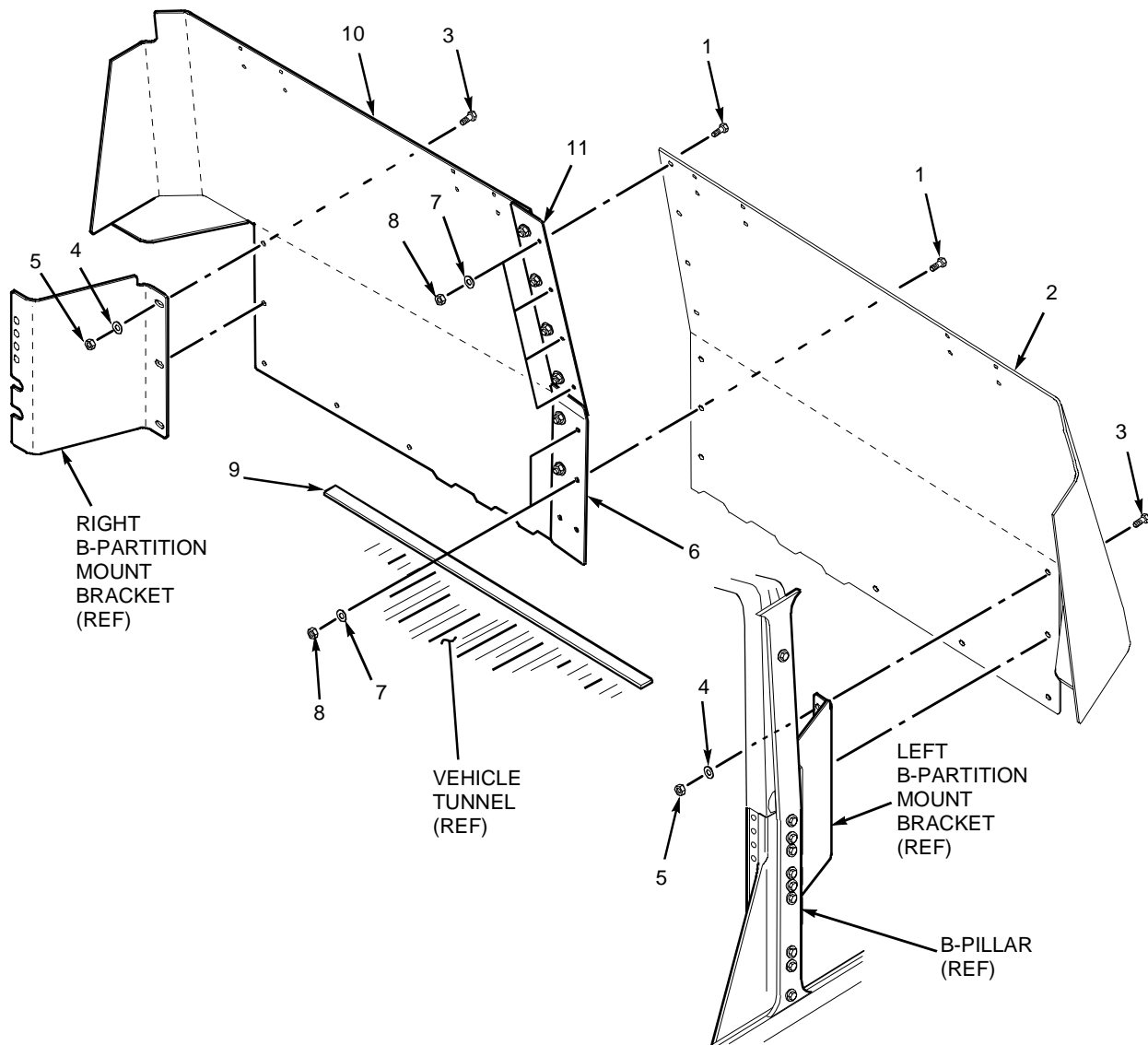


Figure 2-20. B-Partition Removal (2 Door Only)

- 4) Remove B-partition mount brackets as follows (see figure 2-21):
- a. Remove four capscrews (2), four washers (1), eight washers (4), four washers (5) and four locking nuts (6) securing B-partition mount bracket (3). Remove B-partition mount bracket (3). Discard locking nuts (6).
 - b. Repeat on opposite side of vehicle.

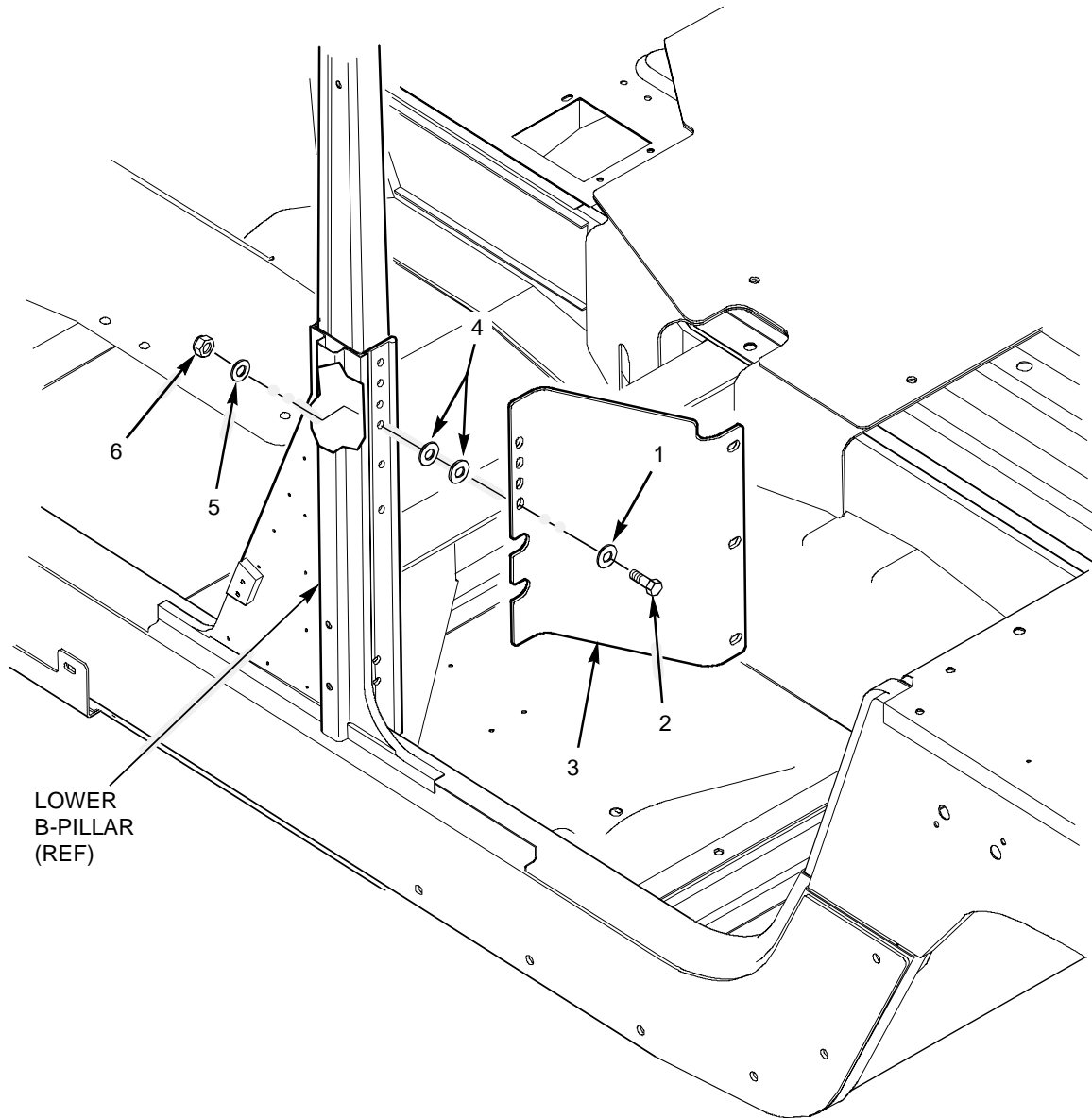


Figure 2-21. B-Partition Mount Bracket Removal (2 Door Only)

5) Remove B-partition insulation as follows (see figure 2-22):

- a. Pull off B-partition insulation panels (1 and 2), as required, from B-partition assemblies.

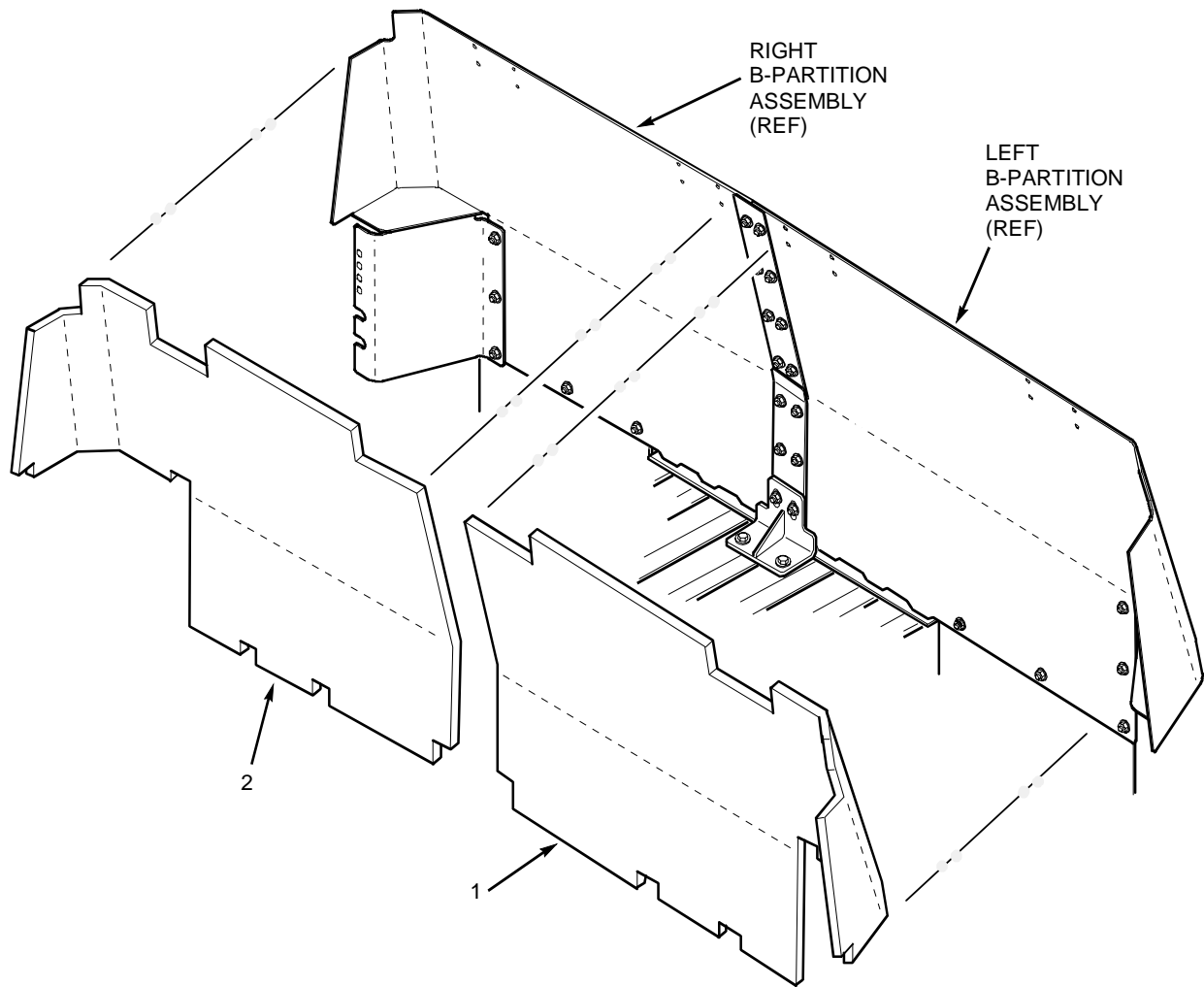


Figure 2-22. B-Partition Insulation Removal (2 Door Only)

2-8. LEFT SIDE ROCKER PANEL ARMOR REMOVAL (2 AND 4 DOOR)

a. Removal

1. Remove left side rocker panel armor (see figure 2-23).
 - a. Remove three capscrews (1).
 - b. Remove two capscrews (2), washers (4), and locknuts (5). Discard locknuts (5). Remove gap plate.
 - c. Remove nine capscrews (3), washers (6), and locknuts (7) securing left side rocker panel armor (8) to vehicle. Discard locknuts (7).
 - d. Remove left side rocker panel armor (8).

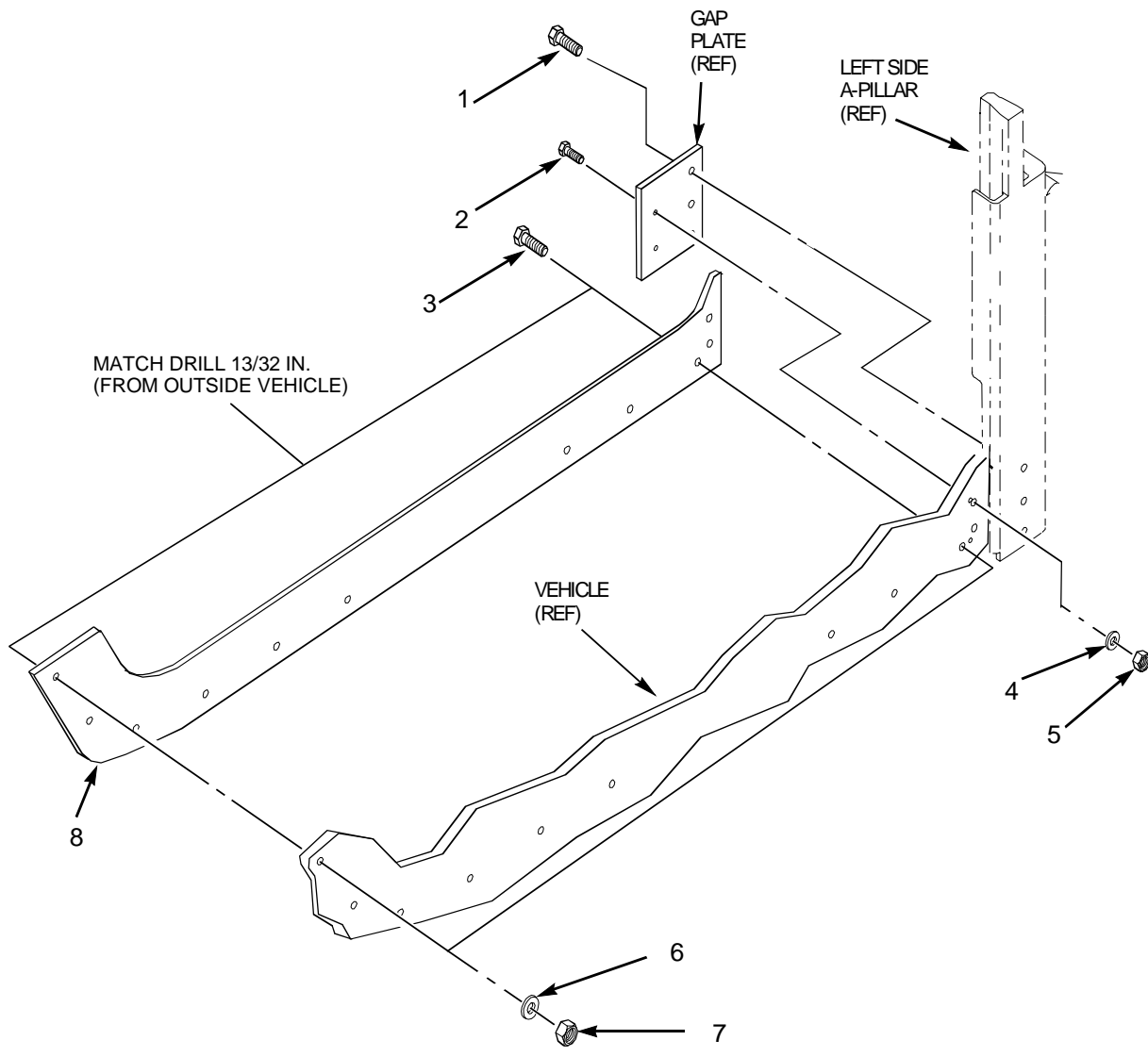


Figure 2-23. Left Rocker Panel Armor Removal (2 and 4 Door)

2-9. RIGHT SIDE ROCKER PANEL ARMOR REMOVAL (2 AND 4 DOOR)

a. Removal

1. Remove right side rocker panel armor (see figure 2-24).
 - a. Remove three capscrews (1).
 - b. Remove two capscrews (2), washers (9), and locknuts (8). Discard locknuts (8). Remove gap plate.
 - c. Remove nine capscrews (3), seven washers (7), and seven locknuts (6) securing left side rocker panel armor (4) to vehicle. Discard locknuts (6).
 - d. Remove right side rocker panel armor (4).

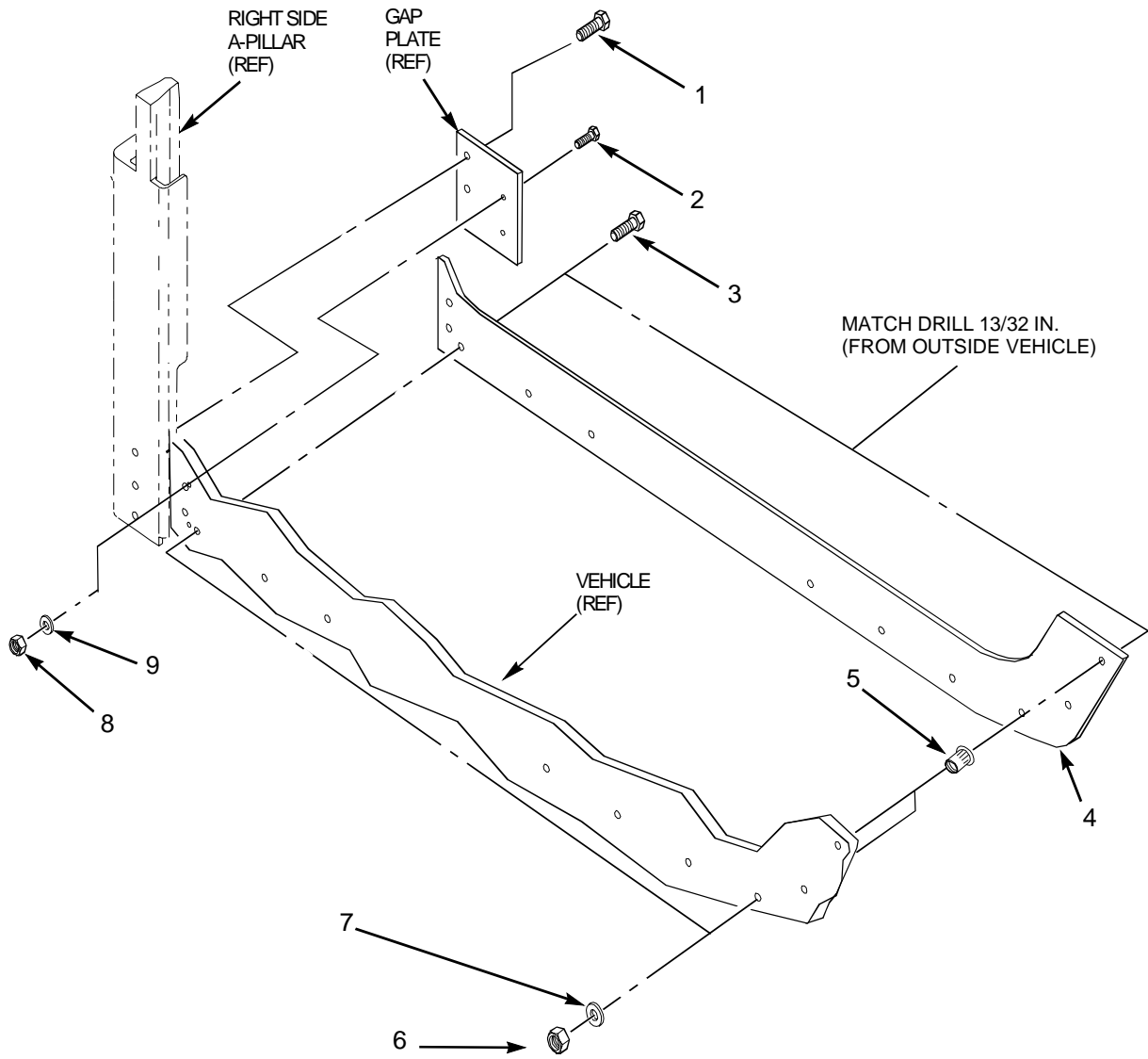


Figure 2-24. Right Rocker Panel Armor Removal (2 and 4 Door)

CHAPTER 3 PARTS LIST – HARd KIT

3-1. LIST OF FIGURES

REF. PARA	TITLE	PAGE
3-1	List of Figures	3-1
3-1	A-Pillar Armor (Sheet 1 of 2) (2 and 4 Door).....	3-3
3-1	A-Pillar Armor (Sheet 2 of 2) (2 and 4 Door)	3-4
3-2	Door Striker Assembly (2 and 4 Door).....	3-6
3-3	Front Door Ramp Block (2 and 4 Door).....	3-9
3-4	B-Pillar Armor (2 and 4 Door).....	3-10
3-5	Rear Door Ramp Block (4 Door Only).....	3-13
3-6	Upper C-Partition (4 Door Only).....	3-14
3-7	C-Partition Isolator Brackets (4 Door Only).....	3-16
3-8	Rear Partition and C-Partition Rubber (2 and 4 Door)	3-19
3-9	Rear Seat Backing (4 Door Only).....	3-20
3-10	C-Partition Support Mounts (4 Door Only).....	3-22
3-11	Rear Partition (Sheet 1 of 2) (2 Door Only)	3-23
3-11	Rear Partition (Sheet 2 of 2) (2 Door Only)	3-24
3-12	Rear Partition Insulation (2 Door Only)	3-28
3-13	Left Side Lower C-Pillar Armor Rocker Panel (2 and 4 Door).....	3-30
3-14	Right Side Lower C-Pillar Armor Rocker Panel (2 and 4 Door)	3-32
3-15	Windshield Armor (2 and 4 Door).....	3-34
3-16	Windshield Glass (2 and 4 Door).....	3-36
3-17	Door Assembly (Sheet 1 of 5) (2 and 4 Door).....	3-38
3-17	Door Assembly (Sheet 2 of 5) (2 and 4 Door).....	3-39
3-17	Door Assembly (Sheet 3 of 5) (2 and 4 Door).....	3-40
3-17	Door Assembly (Sheet 4 of 5) (2 and 4 Door).....	3-41
3-17	Door Assembly (Sheet 5 of 5) (2 and 4 Door).....	3-42
3-18	Combat Lock Assembly (2 and 4 Door).....	3-48

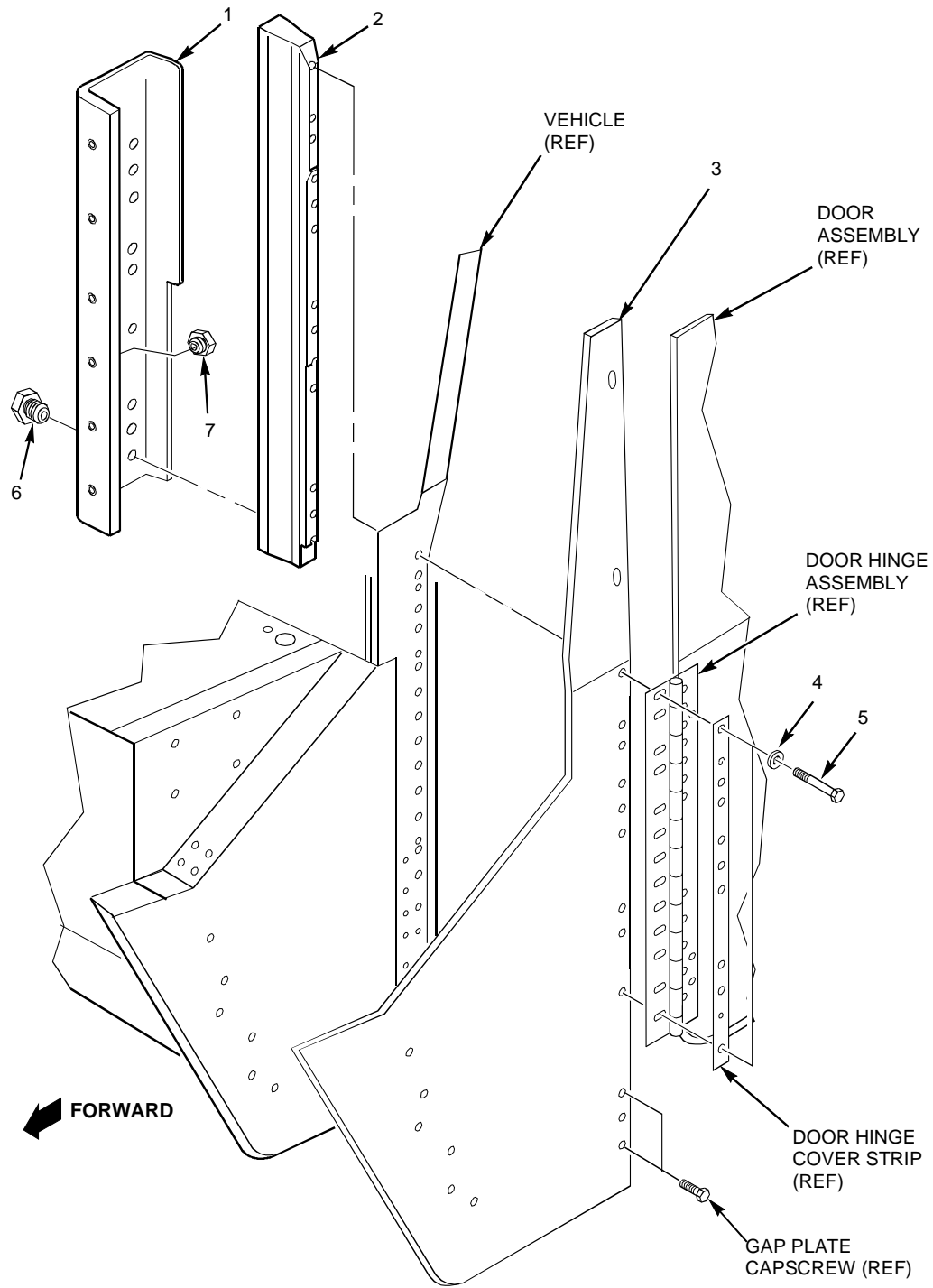


Figure 3-1. A-Pillar Armor (Sheet 1 of 2) (2 and 4 Door)

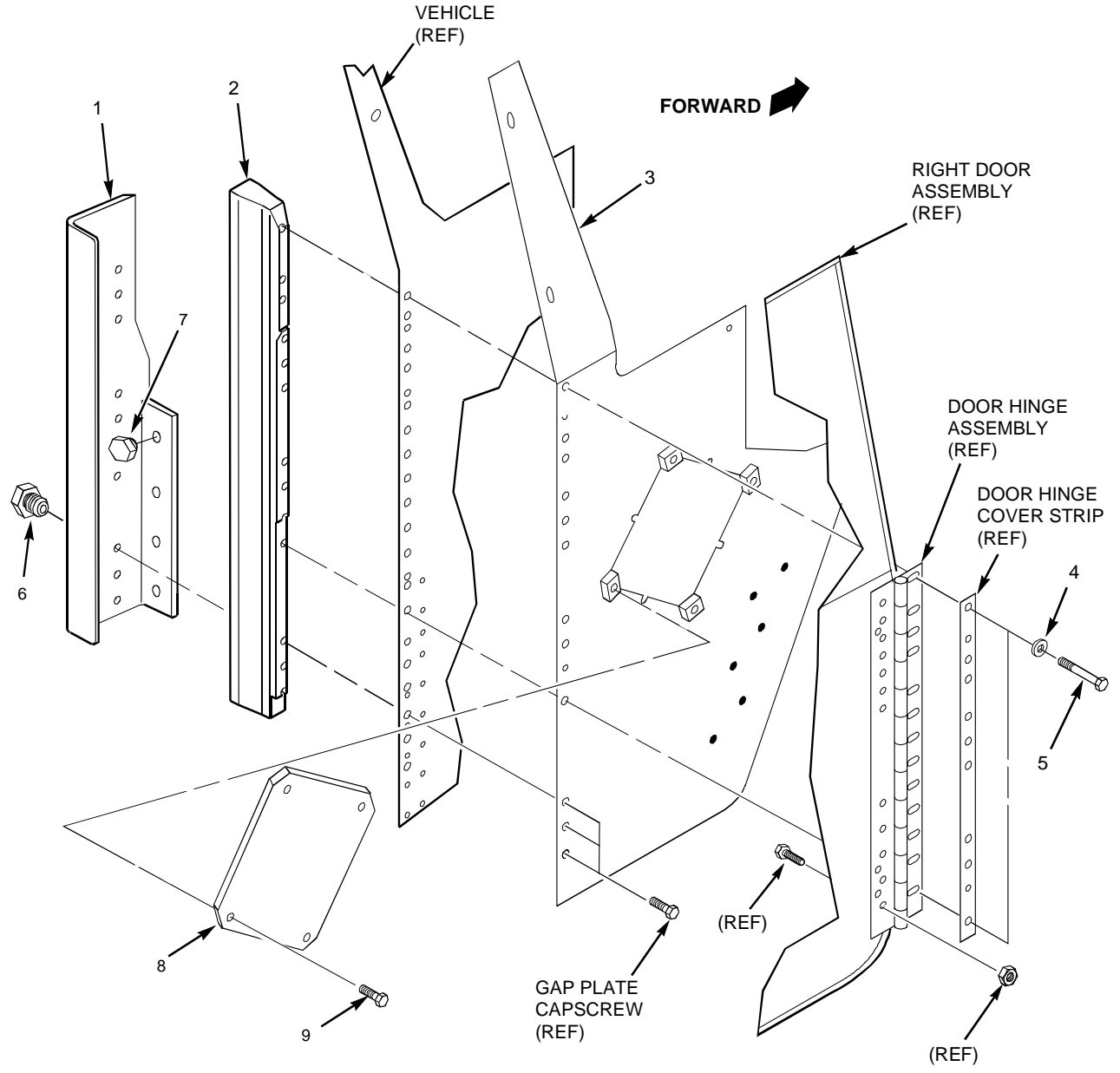


Figure 3-1. A-Pillar Armor (Sheet 2 of 2) (2 and 4 Door)

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					FIGURE 3-1 A-PILLAR ARMOR (2 AND 4 DOOR)	
1			6W728	6430696-01M1	CHANNEL, A-PILLAR REINFORCEMENT, LEFT	1
1			6W728	6430697-01M1	CHANNEL, A-PILLAR REINFORCEMENT, RIGHT	1
2			6W728	6430698-01M1	BAR, A-PILLAR REINFORCEMENT, COMMON	2
3		2540-01-525-1919	6W728	6430685-01M1	A-PILLAR ARMOR, LEFT	1
3		2540-01-525-1923	6W728	6430686-01M1	A-PILLAR ARMOR, RIGHT	1
4		5310-01-419-2413	6W728	4397005-014	WASHER, FLAT, 0.375 IN.	9
5		5306-01-433-9197	6W728	4397000-062	CAPSCREW, HEX HEAD, 0.375-16 X 1.25 IN.	9
6		5306-01-524-8796	6W728	6430699-01M1	INSERT, A-PILLAR REINFORCEMENT, LONG	9
7		5305-01-525-0262	6W728	6430700-01M1	INSERT, A-PILLAR (RT SIDE) REINFORCEMENT, SHORT	6
7		5305-01-525-0262	6W728	6430700-01M1	INSERT, A-PILLAR (LEFT SIDE) REINFORCEMENT, SHORT	4
8		5340-01-524-9785	6W728	6430687-01M1	COVER, AIR INLET, RIGHT A-PILLAR	1
9		5306-01-433-9196	6W728	4397000-060	SCREW, HEX HEAD, 0.375-16 X 1.00 IN.	4

END OF FIGURE

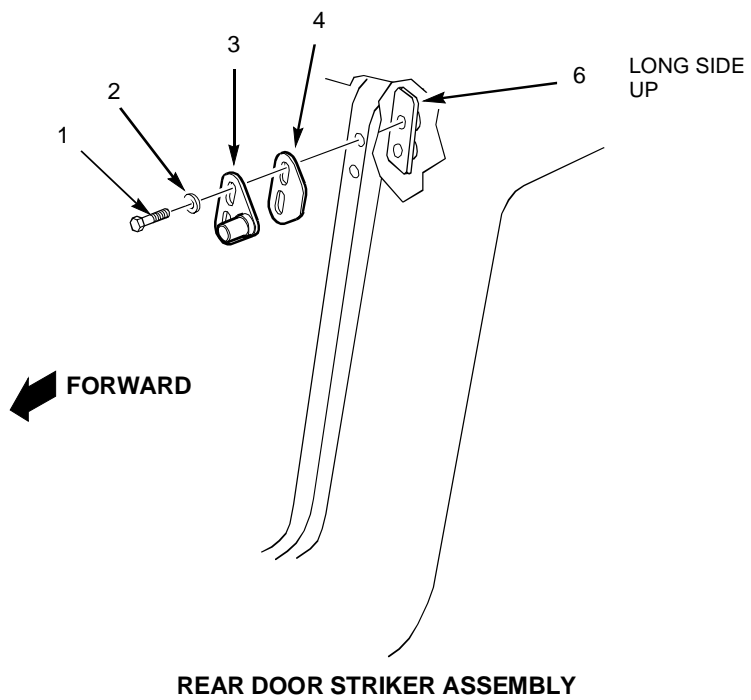
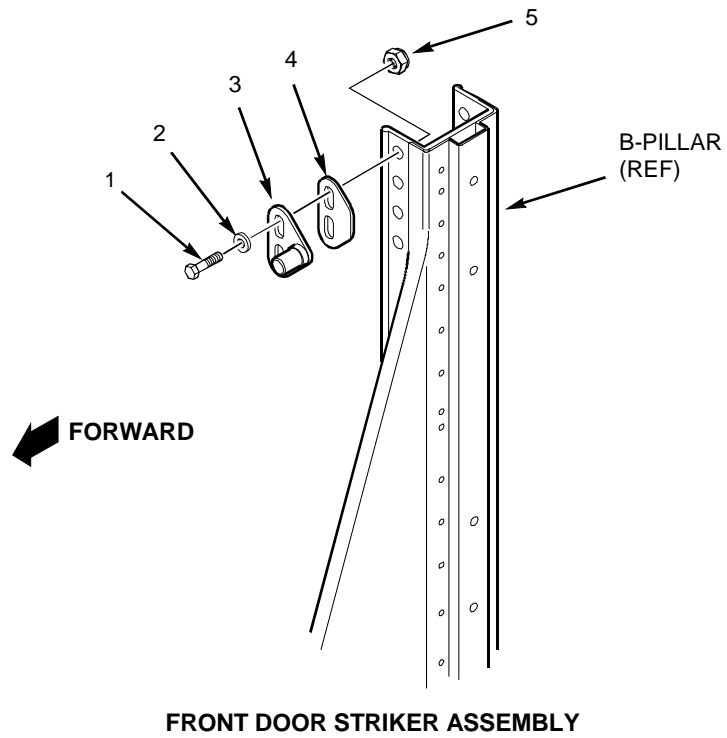


Figure 3-2. Door Striker Assembly (2 and 4 Door)

TB 9-2510-251-24

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
1		5306-01-433-9256	6W728	4397010-008	FIGURE 3-2 DOOR STRIKER ASSEMBLY (2 AND 4 DOOR) CAPSCREW, HEX HEAD, 0.250-20 X 1.00 IN.	8
2		5310-01-435-7784	6W728	4397005-010	WASHER, FLAT, 0.250 IN.	8
3		5340-01-211-1645	6W728	12339385	STRIKER, FRONT DOOR	2
3		5340-01-421-1782	6W728	12339386	STRIKER, REAR DOOR	2
4		5365-01-524-8800	6W728	4668621-002	SHIM, FRONT STRIKER	2
4		5365-01-524-8686	6W728	4668622-002	SHIM, REAR STRIKER	2
5		5310-01-439-8173	6W728	4397064-001	NUT, LOCKING, 0.250-20	4
6		5310-01-524-9541	6W728	4668273-002	NUTPLATE, STRIKER	2

END OF FIGURE

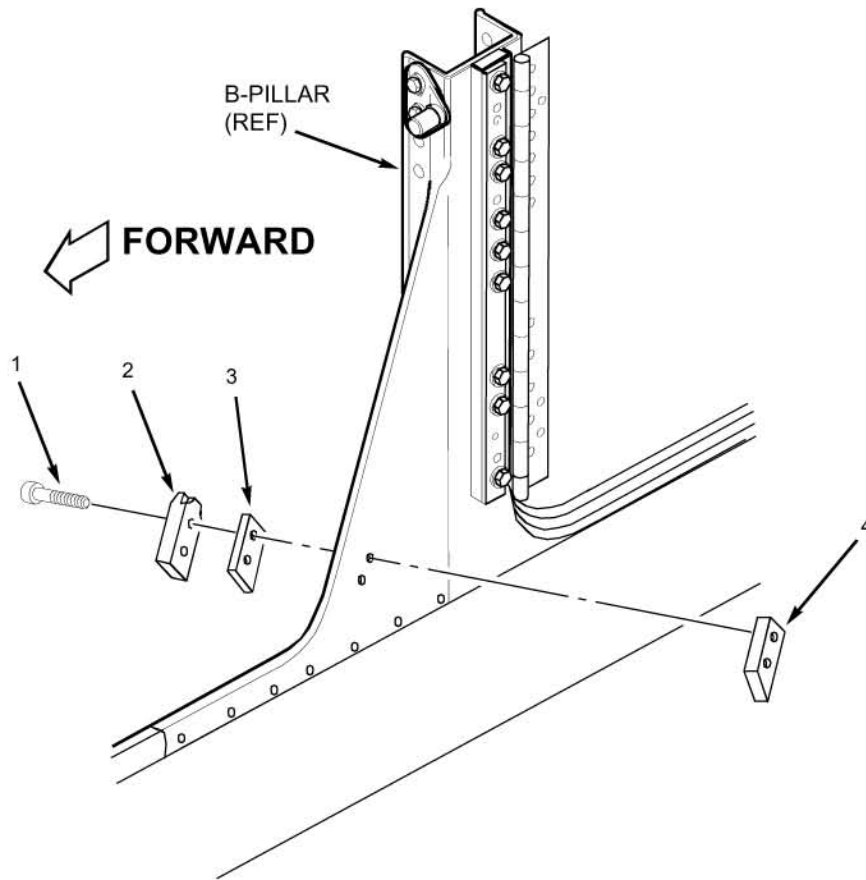


Figure 3-3. Front Door Ramp Block (2 and 4 Door)

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					FIGURE 3-3. FRONT DOOR RAMP BLOCK (2 AND 4 DOOR)	
1		5305-01-436-5401	6W728	4397015-094	SCREW, SOCKET HEAD, 0.250-20 X 1.25 IN.	2
2		5365-01-525-0659	6W728	6431266-01M1	SPACER, RAMP BLOCK, FRONT COMBAT LOCK	1
3		5365-01-525-2606	6W728	4660914-000	RAMP BLOCK, FRONT, LOWER	1
4		5365-01-524-9745	6W728	4660915-000	SPACER, RAMP BLOCK, FRONT LOWER	1

END OF FIGURE

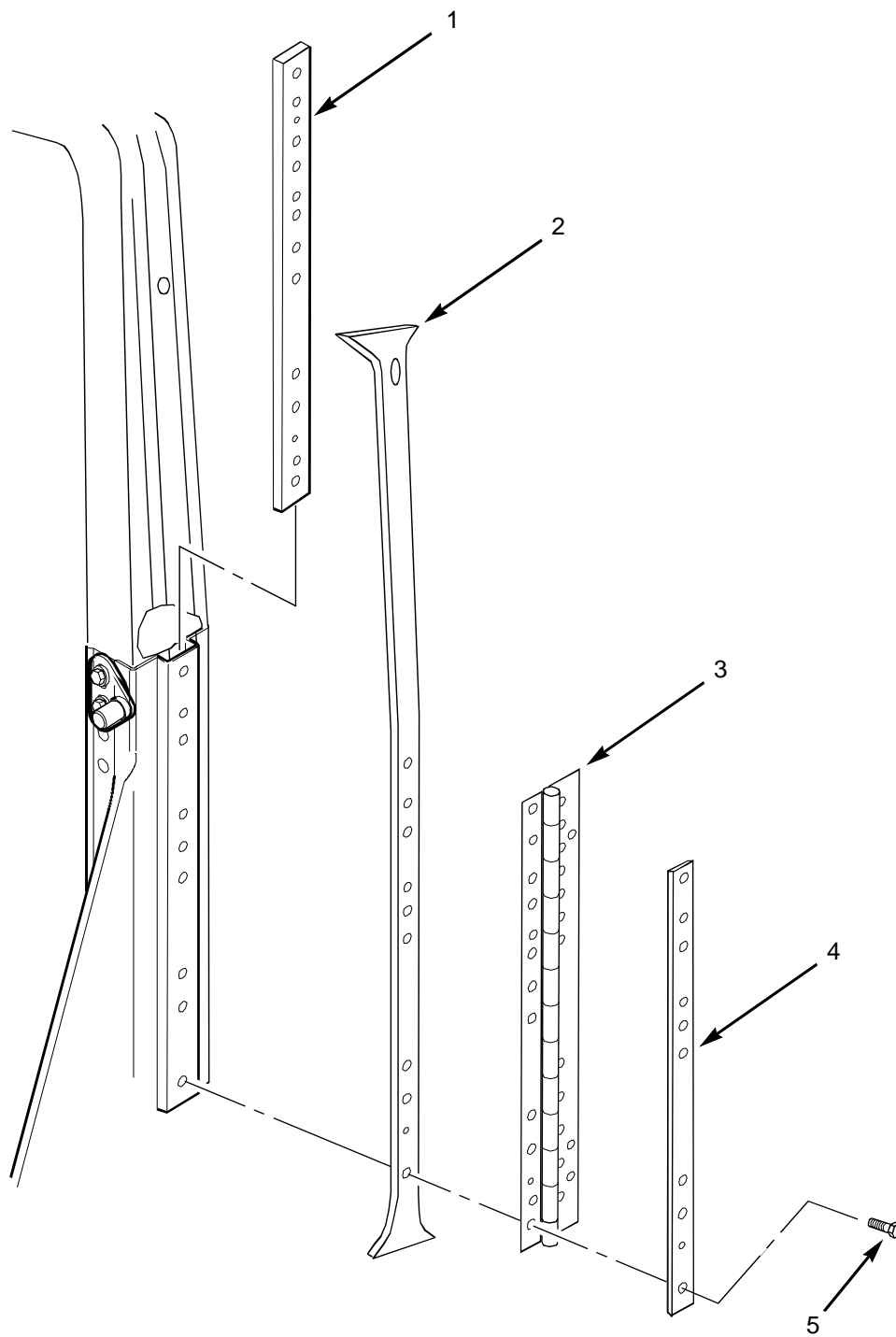


Figure 3-4. B-Pillar Armor (2 and 4 Door)

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
1		5340-01-524-8812	6W728	6430701-01M1	FIGURE 3-4 B-PILLAR ARMOR (2 AND 4 DOOR) TAPPING STRIP, B-PILLAR HINGE	1
2			6W728	6430684-01M1	B-PILLAR ARMOR	1
3		2510-01-525-0348	6W728	4660623-000	HINGE, LEFT	REF
3		2510-01-525-4667	6W728	4660622-000	HINGE, RIGHT	REF
4		5340-01-524-8843	6W728	6430716-01M1	COVER STRIP, HINGE-FRONT	1
5		5305-01-475-0404	6W728	4397000-072	CAPSCREW, HEX HEAD, 0.375-16 X 3.50 IN.	9

END OF FIGURE

FORWARD LOOKING AFT

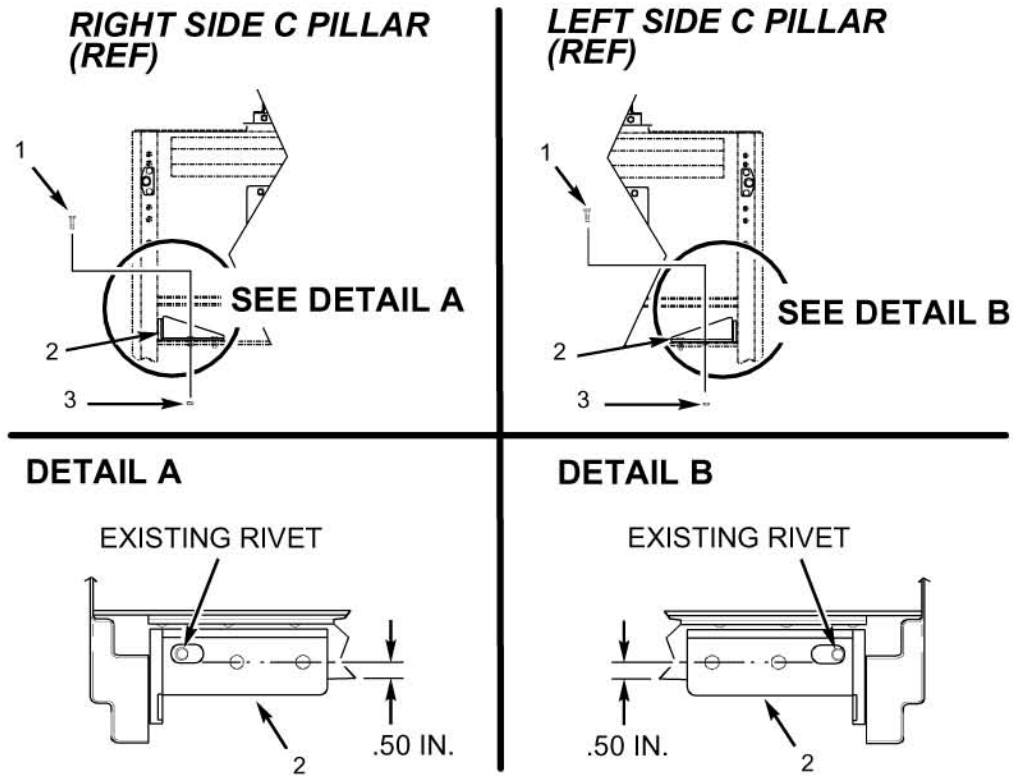


Figure 3-5. Rear Door Ramp Block (4 Door Only)

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
1		5305-01-436-6379	6W728	4397000-008	FIGURE 3-5 REAR DOOR RAMP BLOCK (4 DOOR ONLY)	2
2			6W728	4660909-002	CAPSCREW, HEX HEAD, 0.250-20 X 1.00 IN.	1
2			6W728	4660910-002	REAR RAMP BLOCK, LOWER LEFT	1
3		5310-01-439-8173	6W728	4397064-001	REAR RAMP BLOCK, LOWER RIGHT	2
					NUT, LOCKING, 0.250-20	2

END OF FIGURE

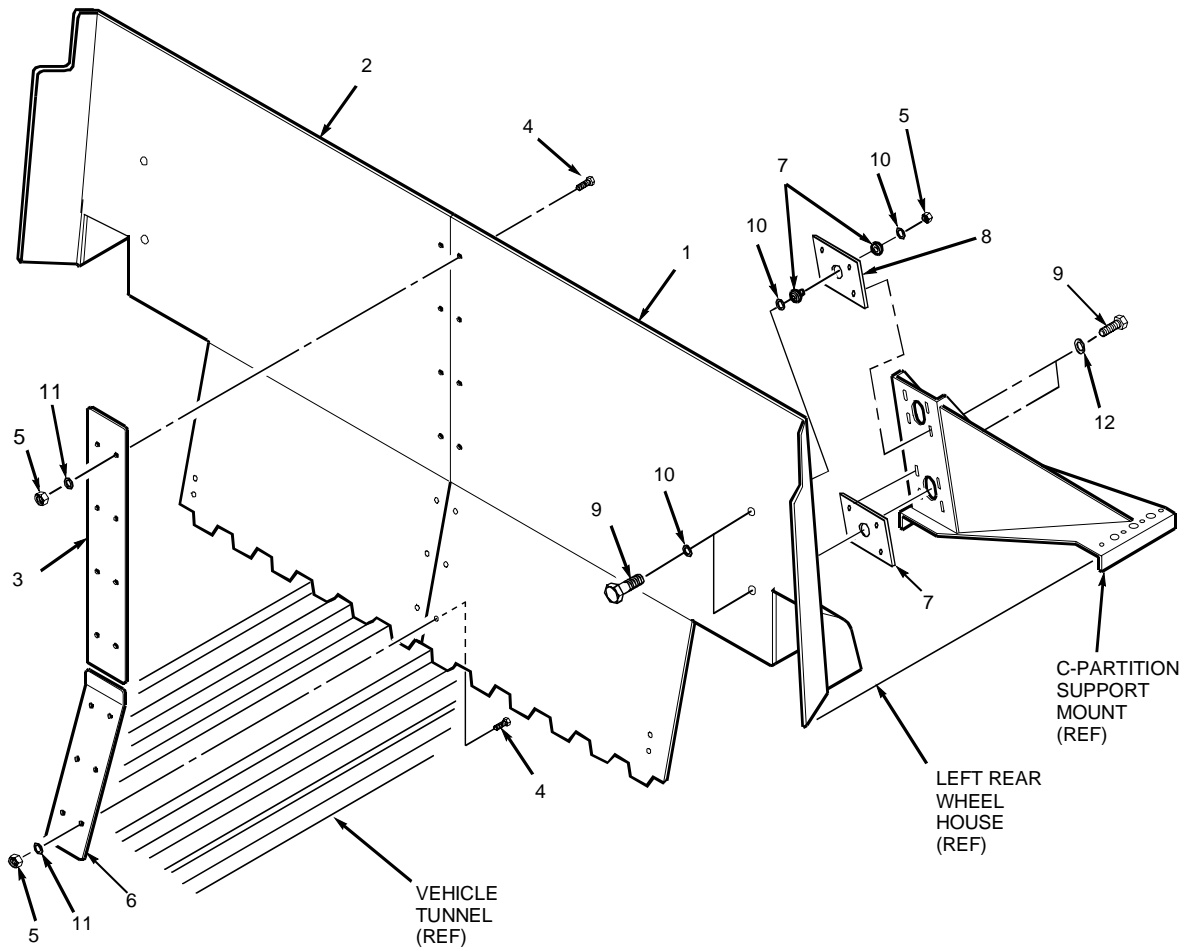
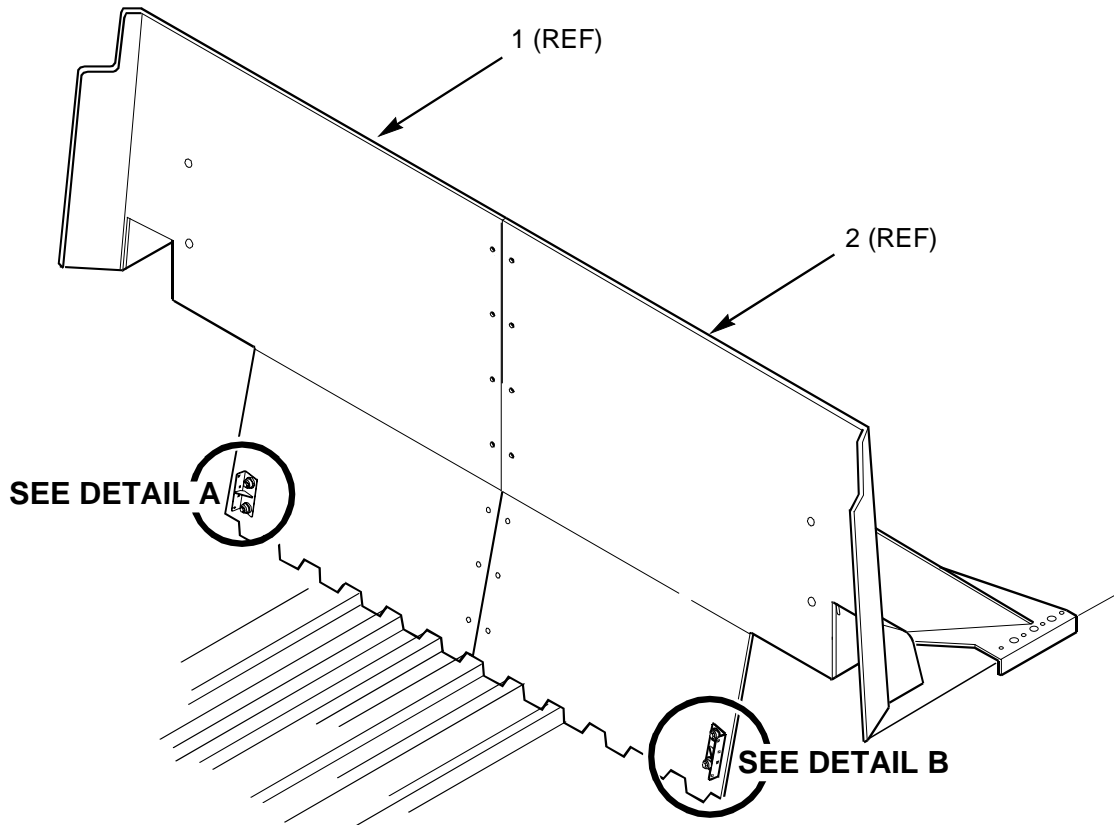


Figure 3-6. Upper C-Partition (4 Door Only)

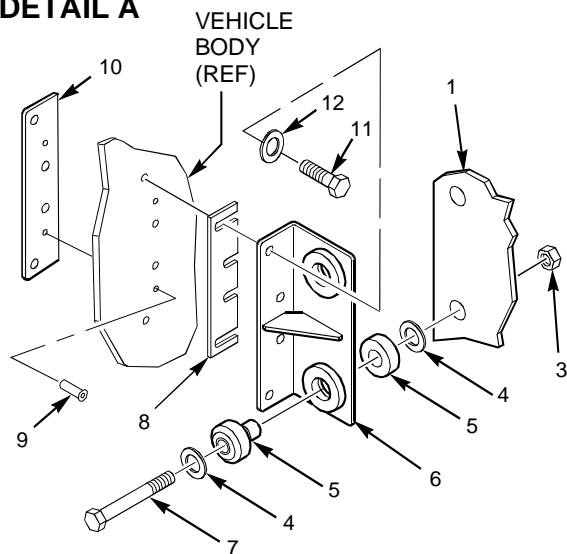
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(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
1		2540-01-525-1925	6W728	6430647-01M1	FIGURE 3-6 UPPER C- PARTITION (4 DOOR ONLY) C-PARTITION ASSEMBLY- RIGHT	1
2		2540-01-525-1928	6W728	6430648-01M1	C-PARTITION ASSEMBLY- LEFT	1
3		5340-01-524-8917	6W728	6430645-01M1	PARTITION GAP STRIP, UPPER	1
4		5306-01-433-9196	6W728	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	14
5		5310-01-439-8177	6W728	4397064-005	NUT, LOCKING, 0.375-16	18
6		5340-01-525-1930	6W728	6430646-01M1	PARTITION GAP STRIP, LOWER	1
7		5365-01-474-6596	6W728	4668958-003	BUSHING, MOUNT, ISOLATION	8
8		5340-01-525-3858	6W728	4660655-000	BRACKET, MOUNT, ISOLATION	4
9			6W728	4397001-033	CAPSCREW, HEX HEAD, 0.312-24 X 0.88 IN.	16
10		5310-01-435-7791	6W728	4397005-075	WASHER, FLAT, 0.406 IN.	12
11		5310-01-419-2413	6W728	4397005-014	WASHER, FLAT, 0.375 IN.	14
12		5310-01-422-9287	6W728	4397005-012	WASHER, FLAT, 0.312 IN.	16

END OF FIGURE



DETAIL A



DETAIL B

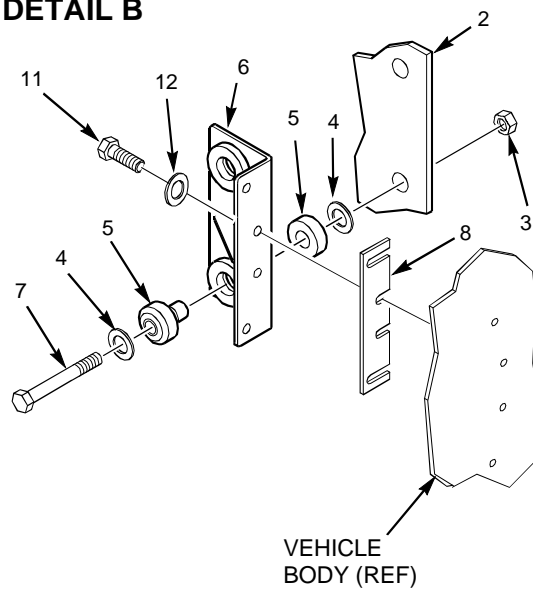


Figure 3-7. C-Partition Isolator Brackets (4 Door Only)

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
1		2540-01-525-1928	6W728	6430648-01M1	FIGURE 3-7 C-PARTITION ISOLATOR BRACKETS (4 DOOR ONLY) C-PARTITION ASSEMBLY- LEFT	REF
2		2540-01-525-1925	6W728	6430647-01M1	C-PARTITION ASSEMBLY- RIGHT	REF
3		5310-01-439-8177	6W728	4397064-005	NUT, LOCKING, 0.375-16	4
4		5310-01-435-7791	6W728	4397005-075	WASHER, 0.406 IN.	8
5		5365-01-474-6596	6W728	4668958-003	BUSHING, MOUNT, ISOLATION	8
6		5340-01-525-1606	6W728	4660520-002	BRACKET, ISOLATER	2
7		5305-01-436-6376	6W728	4397000-067	CAPSCREW, HEX HEAD, 0.375-16 X 2.25 IN.	4
8		5365-01-437-6323	6W728	4660545-011	SHIM (0.030 IN.)	AR
8		5365-01-439-6498	6W728	4660545-012	SHIM (0.060 IN.)	AR
9			6W728	4397044-623	RIVET, 0.188 GRIP, 0.376-0.500 IN.	4
10			6W728	4660656-000	PLATE, TAPPING, C-PARTITION	2
11		5305-01-436-6379	6W728	4397000-008	CAPSCREW, HEX HEAD, 0.250-20 X 1.00 IN.	8
12		5310-01-435-7784	6W728	4397005-010	WASHER, 0.250 IN.	8

END OF FIGURE

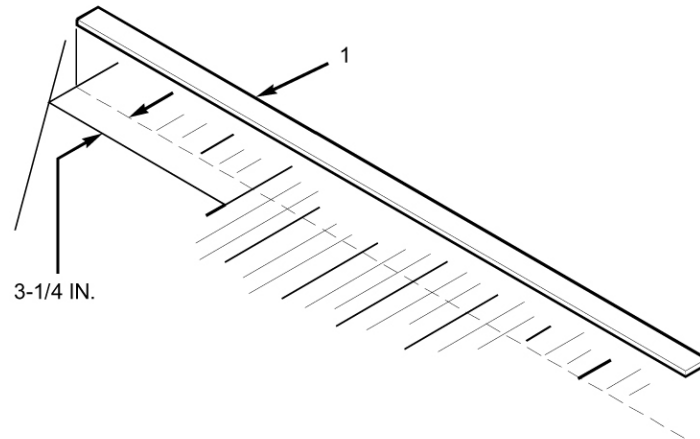
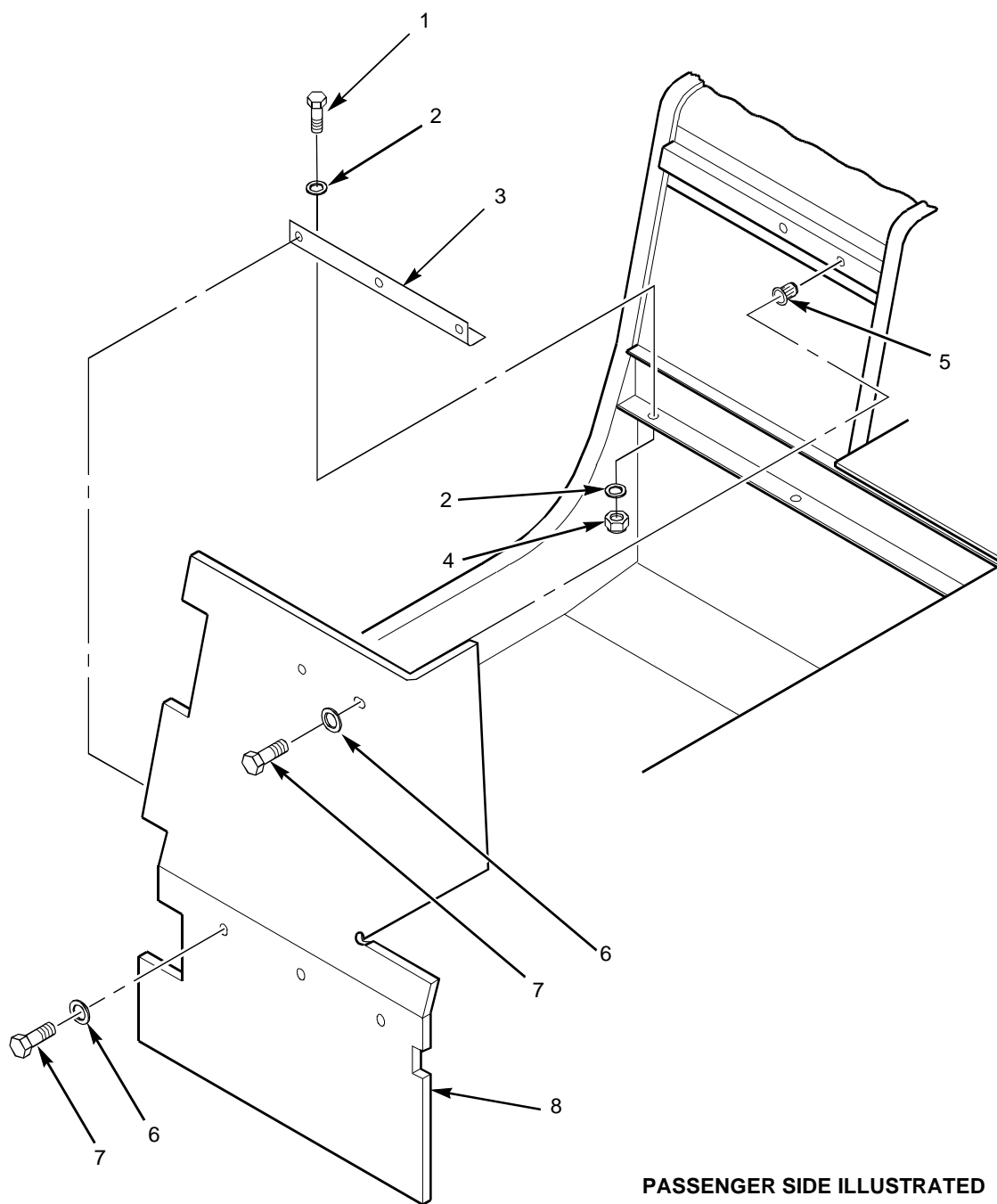


Figure 3-8. Rear Partition and C-Partition Rubber (2 and 4 Door)

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
1		5330-01-525-1972	6W728	7P0013	FIGURE 3-8 REAR PARTITION AND C- PARTITION RUBBER (2 AND 4 DOOR) C-PARTITION RUBBER, NEOPREEN 60 DUROMETER	AR

END OF FIGURE



PASSENGER SIDE ILLUSTRATED

Figure 3-9. Rear Seat Backing (4 Door Only)

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					FIGURE 3-9 REAR SEAT BACKING (4 DOOR ONLY)	
1		5305-01-436-6379	6W728	4397000-008	CAPSCREW, HEX HEAD, 0.250-20 X 1.00 IN.	2
2		5310-01-435-7784	6W728	4397005-010	WASHER, FLAT, 0.250 IN.	4
3		5340-01-524-9543	6W728	4660680-002	BRACKET, REAR SEAT BACKING PLATE SUPPORT	1
4		5310-01-439-8173	6W728	4397064-001	NUT, LOCKING, 0.250-20	2
5		5325-01-474-9732	6W728	4397050-049	UPSET FASTENER, AVK-SHORT, 0.375-16	2
6		5310-01-419-2413	6W728	4397005-014	WASHER, FLAT, 0.375 IN.	5
7		5306-01-433-9196	6W728	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	5
8		2540-01-525-6461	6W728	6430631-01M1	REAR SEAT BACKING PLATE, DRIVER SIDE	1
8		2540-01-525-6462	6W728	6430632-01M1	REAR SEAT BACKING PLATE, PASSENGER SIDE	1
<p>NOTE: QUANTITIES SHOWN FOR ONE SIDE ONLY.</p>						

END OF FIGURE

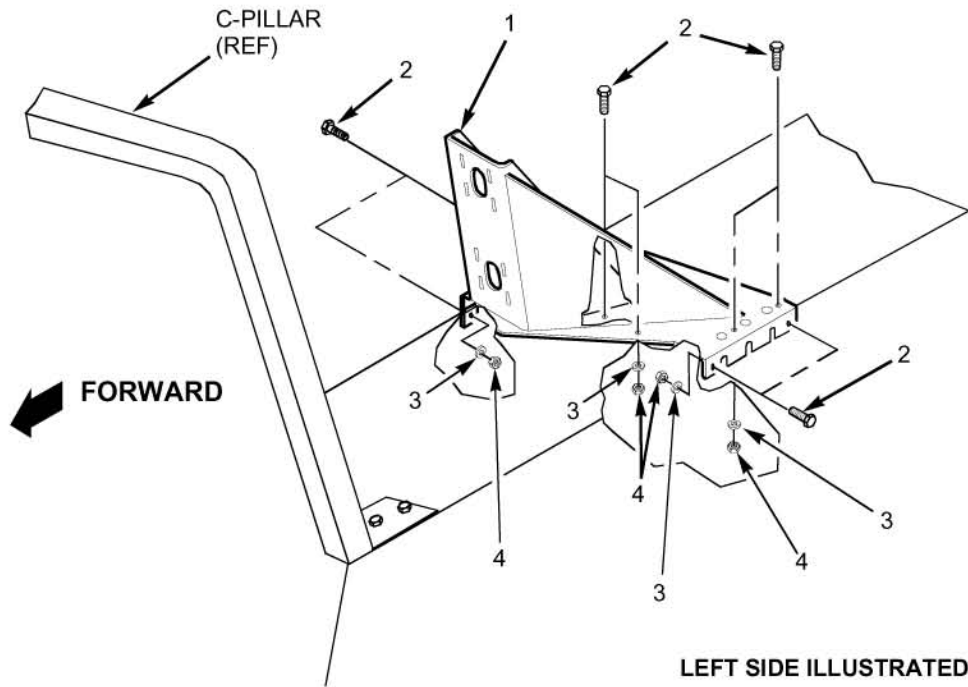


Figure 3-10. C-Partition Support Mounts (4 Door Only)

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
1		5340-01-525-1626	6W728	6430694-01M1	FIGURE 3-10 C-PARTITION SUPPORT MOUNTS (4 DOOR ONLY) BRACKET, SUPPORT, REAR PARTITION, LEFT	1
1		5340-01-524-8902	6W728	6430695-01M1	BRACKET, SUPPORT, REAR PARTITION, RIGHT	1
2		5305-01-436-6379	6W728	4397000-008	CAPSCREW, HEX HEAD, .250-20 X 1.00 IN.	8
3		5310-01-435-7784	6W728	4397005-010	WASHER, FLAT, 0.250 IN.	8
4		5310-01-439-8173	6W728	4397064-001	NUT, LOCKING, 0.250-20	8
<p>NOTE: QUANTITIES SHOWN FOR ONE SIDE ONLY.</p>						

END OF FIGURE

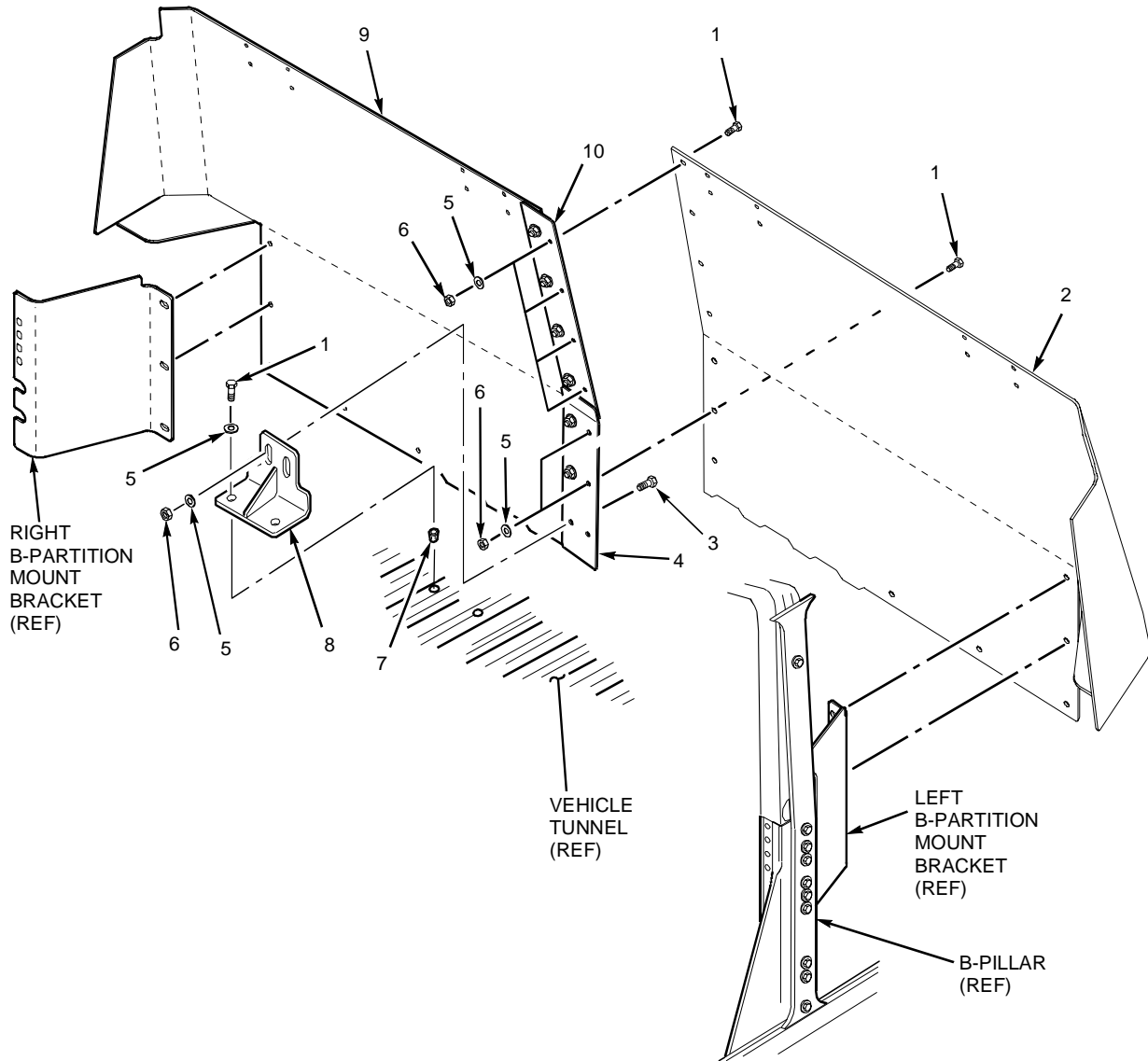


Figure 3-11. Rear Partition (Sheet 1 of 2) (2 Door Only)

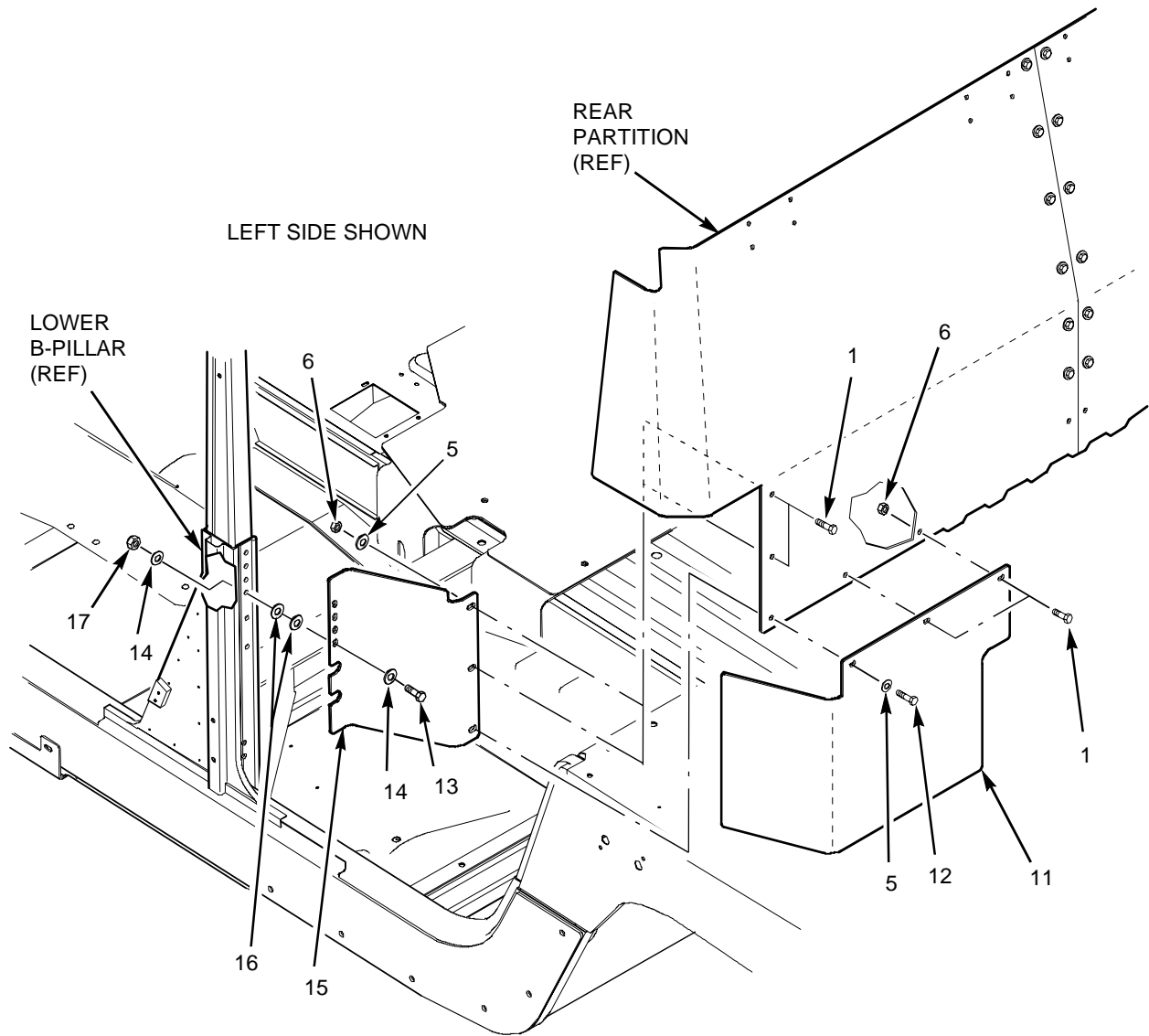


Figure 3-11. Rear Partition (Sheet 2 of 2) (2 Door Only)

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					FIGURE 3-11 REAR PARTITION (2 DOOR ONLY)	
1		5306-01-433-9196	6W728	4397000-060	CAPSCREW, HEX HEAD, 0.375-16 X 1.00 IN.	22
2			6W728	6430814-01M1	B-PARTITION ASSEMBLY- LEFT	1
3		5305-01-436-6377	6W728	4397000-064	CAPSCREW, HEX HEAD, 0.375-16 X 2.75 IN.	2
4		5340-01-525-1930	6W728	6430646-01M1	PARTITION GAP STRIP, LOWER	1
5		5310-01-419-2413	6W728	4397005-014	WASHER, FLAT, 0.406 IN.	22
6		5310-01-439-8177	6W728	4397064-005	NUT, LOCKING, 0.375-16	22
7		5325-01-474-9732	6W728	4397050-049	UPSET FASTENER, AVK- SHORT, 0.375-16	2
8			6W728	6430816-01M1	BRACKET, B-PARTITION MOUNT, CENTER	1
9			6W728	6430813-01M1	B-PARTITION ASSEMBLY- RIGHT	1
10		5340-01-524-8917	6W728	6430645-01M1	PARTITION GAP STRIP, UPPER	1
11			6W728	6430845-01M1	LOWER B-PARTITION, LEFT	1
11			6W728	6430844-01M1	LOWER B-PARTITION, RIGHT	1
12		5306-01-433-9197	6W728	4397000-062	CAPSCREW, HEX HEAD, 0.375-16 X 1.25 IN.	2
13		5306-01-433-9183	6W728	4397000-036	CAPSCREW, HEX HEAD, 0.3125-18 X 1.25 IN.	8
14		5310-01-439-8181	6W728	4397083-001	WASHER, FLAT ALUMINUM, 0.125 X 0.757 X 0.387 IN.	8
15			6W728	6430841-02M1	BRACKET, B-PARTITION MOUNT - LEFT	1

TB 9-2510-251-24

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
15			6W728	6430841-01M1	FIGURE 3-11 REAR PARTITION (2 DOOR ONLY) (CONT'D) BRACKET, B-PARTITION MOUNT - RIGHT	1
16		5310-01-422-9287	6W728	4397005-012	WASHER, FLAT, 0.312 IN.	16
17		5310-01-439-8172	6W728	4397064-003	NUT, LOCKING, 0.313-18	8

END OF FIGURE

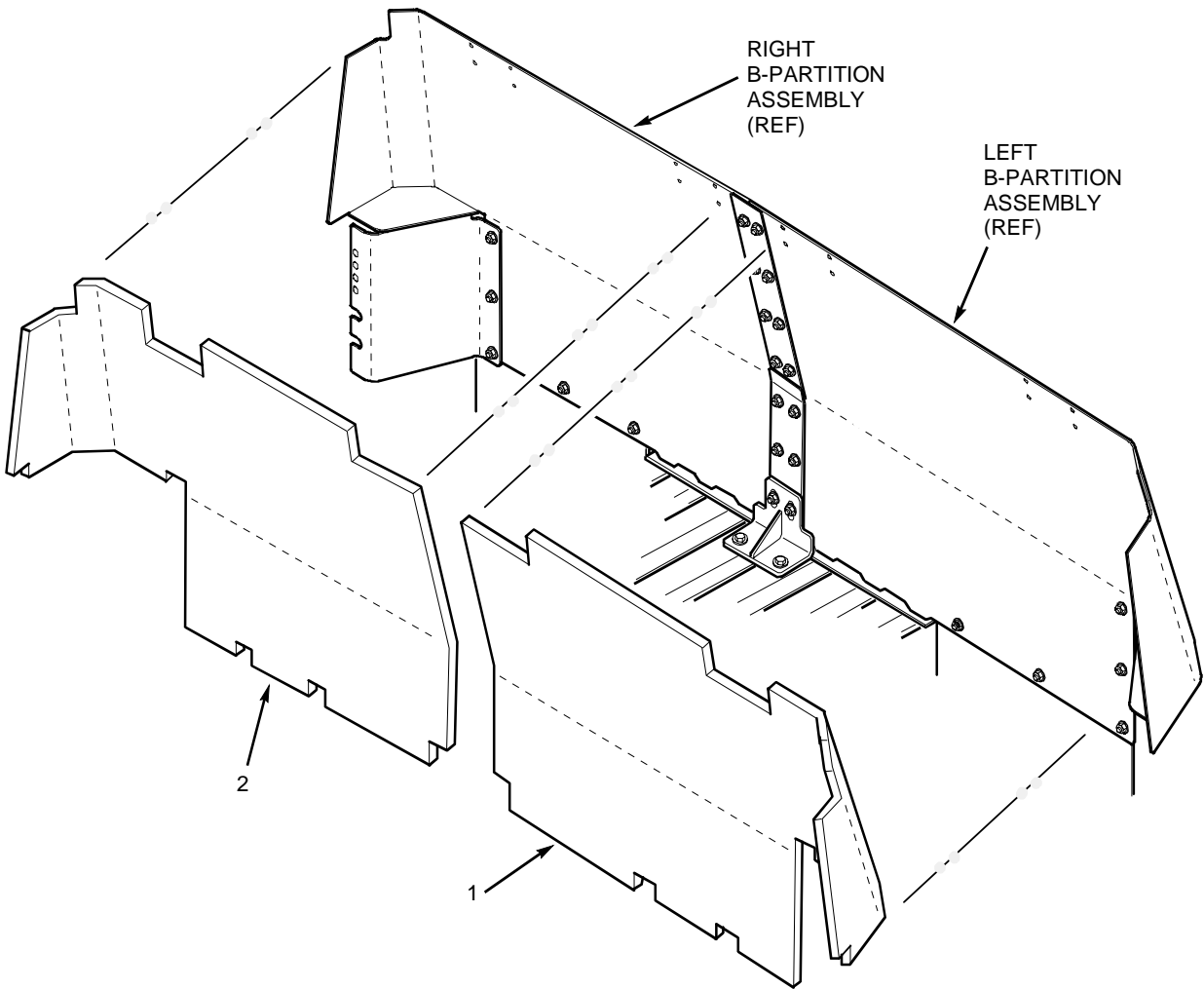


Figure 3-12. Rear Partition Insulation (2 Door Only)

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
1			6W728	6430841-02M1	FIGURE 3-12 REAR PARTITION INSULATION (2 DOOR ONLY) INSULATION, B-PARTITION, LEFT	1
2			6W728	6430841-01M1	INSULATION, B-PARTITION, RIGHT	1

END OF FIGURE

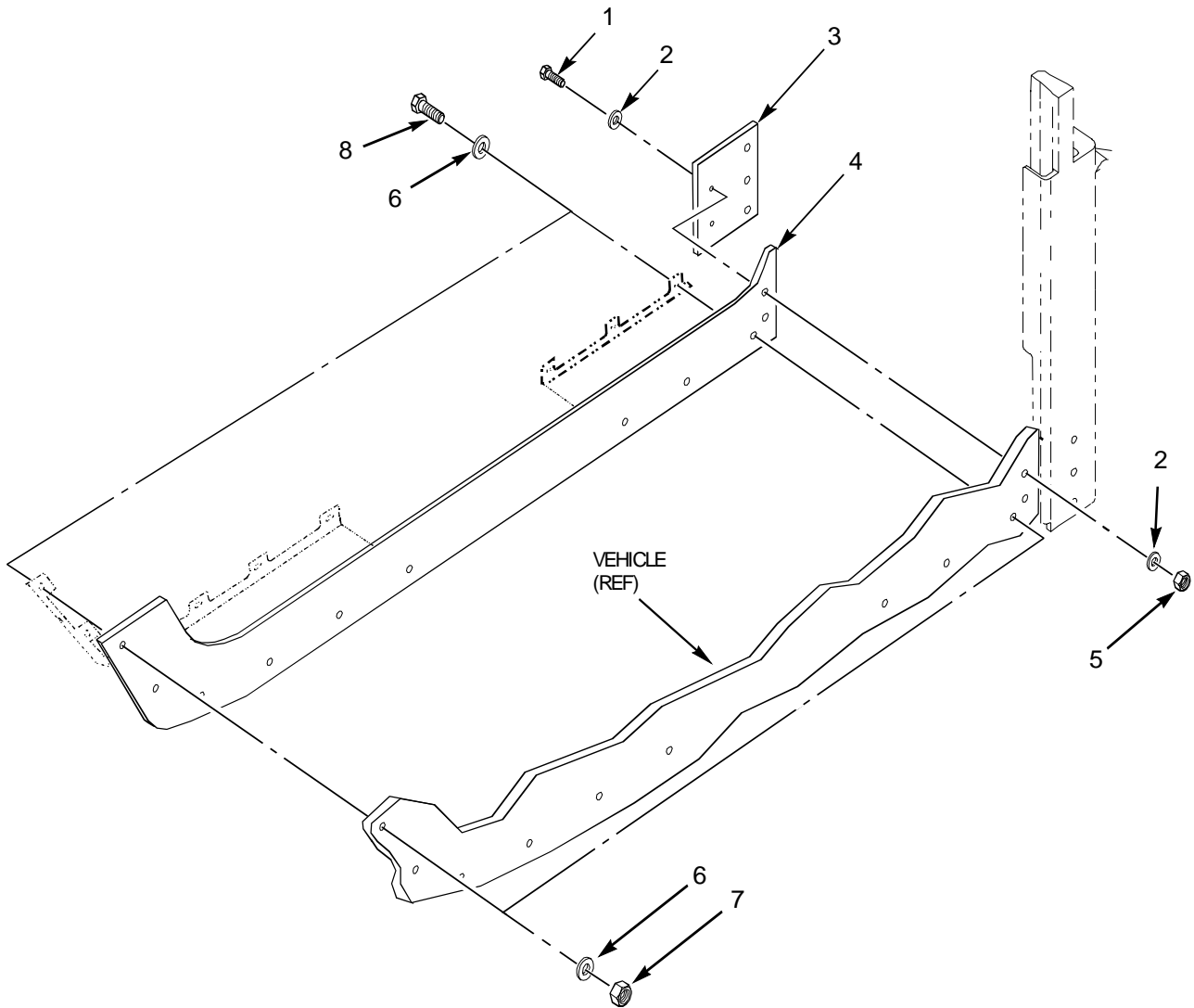


Figure 3-13. Left Side Lower C-Pillar Armor Rocker Panel (2 and 4 Door)

TB 9-2510-251-24

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
1		5306-01-436-5392	6W728	4397000-010	FIGURE 3-13 LEFT SIDE LOWER C-PILLAR ARMOR ROCKER PANEL (2 AND 4 DOOR) CAPSCREW, HEX HEAD, 0.250-20 X 1.25 IN.	2
2		5310-01-435-7784	6W728	4397005-010	WASHER, FLAT, 0.250 IN.	4
3		5340-01-525-0608	6W728	4660870-002	GAP PLATE, A-PILLAR TO ROCKER	1
4		2540-01-525-1013	6W728	6430683-01M1	ROCKER, LOWER C-PILLAR ARMOR	1
5		5310-01-439-8173	6W728	4397064-001	NUT, LOCKING, 0.250-20	2
6		5310-01-419-2413	6W728	4397005-014	WASHER, FLAT, 0.375 IN.	18
7		5310-01-439-8177	6W728	4397064-005	NUT, LOCKING, 0.375-16	9
8		5306-01-433-9197	6W728	4397000-062	CAPSCREW, HEX HEAD, 0.375-16 X 1.25 IN.	9

END OF FIGURE

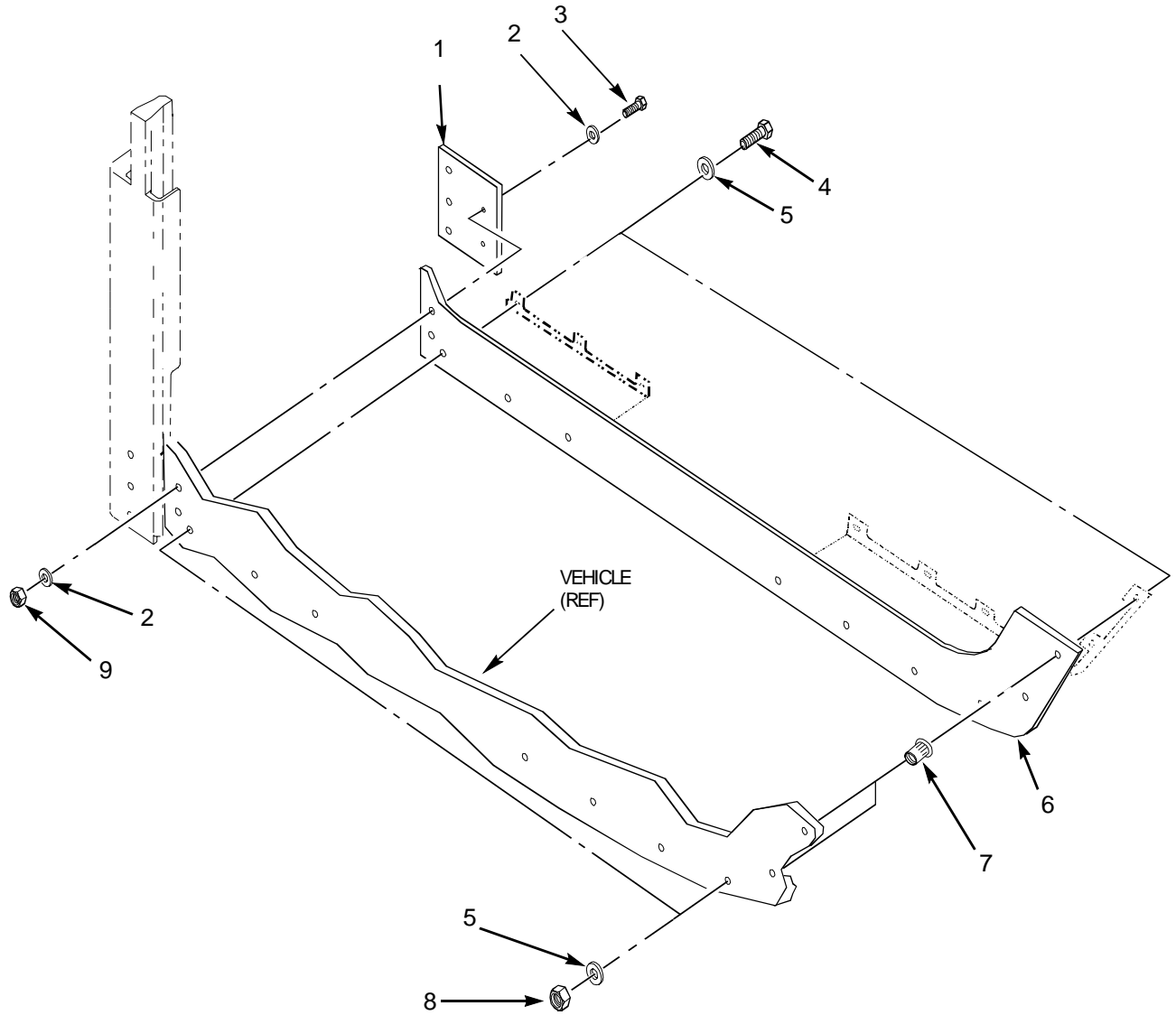


Figure 3-14. Right Side Lower C-Pillar Armor Rocker Panel (2 and 4 Door)

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					FIGURE 3-14 ROCKER PANEL ARMOR (2 AND 4 DOOR)	
1		5340-01-525-0608	6W728	4660870-002	GAP PLATE, A-PILLAR TO ROCKER	1
2		5310-01-435-7784	6W728	4397005-010	WASHER, FLAT, 0.250 IN.	4
3		5306-01-436-5392	6W728	4397000-010	CAPSCREW, HEX HEAD, 0.250-20 X 1.25 IN.	2
4		5306-01-433-9197	6W728	4397000-062	CAPSCREW, HEX HEAD, 0.375-16 X 1.25 IN.	9
5		5310-01-419-2413	6W728	4397005-014	WASHER, FLAT, 0.375 IN.	18
6		2540-01-525-1013	6W728	6430683-01M1	ROCKER, LOWER C-PILLAR ARMOR	1
7		5325-01-474-9732	6W728	4397050-049	UPSET FASTENER, AVK-SHORT, 0.375-16 X 0.75 IN.	2
8		5310-01-439-8177	6W728	4397064-005	NUT, LOCKING, 0.375-16	9
9		5310-01-439-8173	6W728	4397064-001	NUT, LOCKING, 0.250-20	2

END OF FIGURE

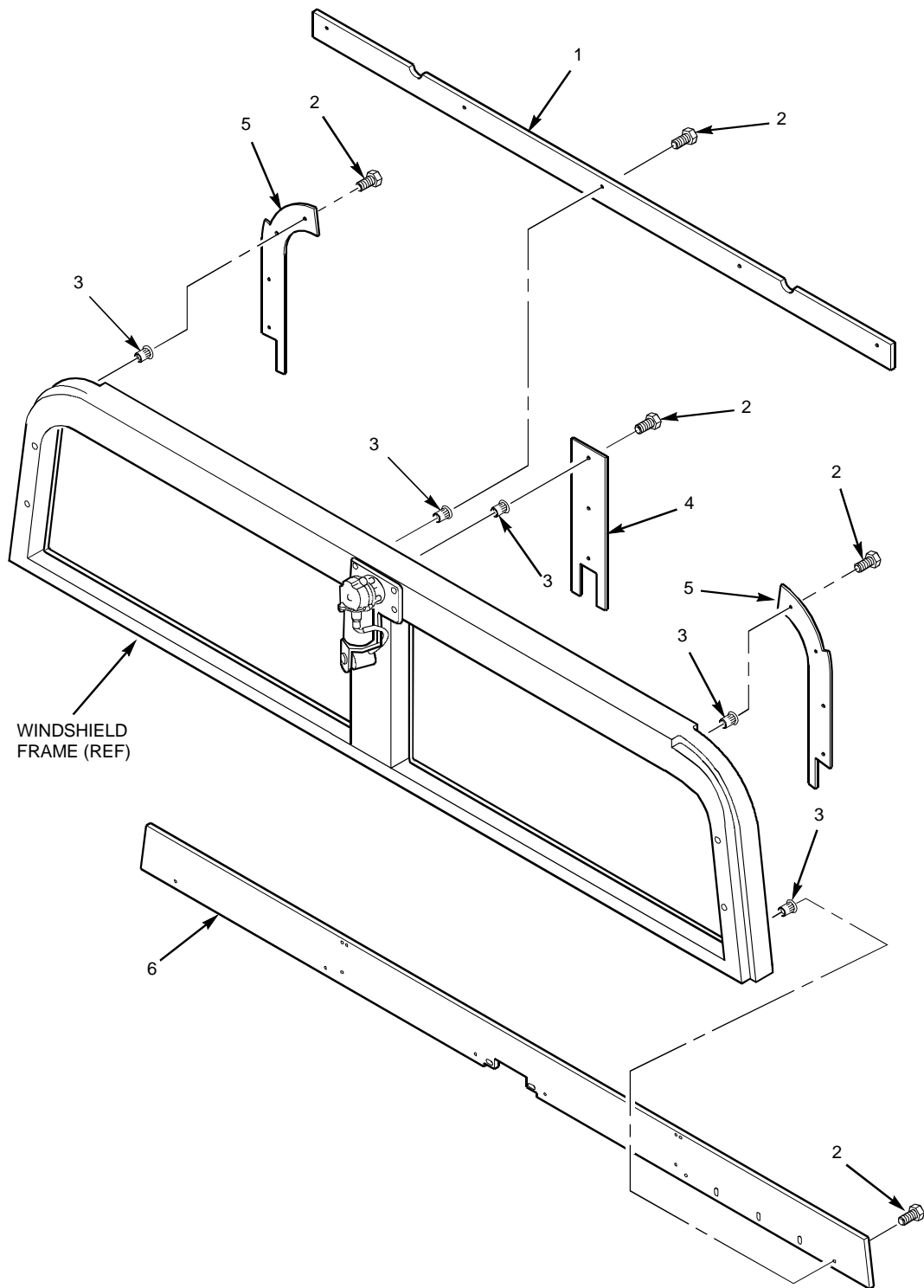


Figure 3-15. Windshield Armor (2 and 4 Door)

TB 9-2510-251-24

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					FIGURE 3-15 WINDSHIELD ARMOR (2 AND 4 DOOR)	
1		2540-01-523-4606	6W728	6430651-01M1	CAPPING RING, UPPER	1
2		5305-01-436-6379	6W728	4397000-008	CAPSCREW, HEX HEAD, 0.250-20 X1.00 IN.	21
3		5310-01-521-2135	6W728	4397050-025	UPSET FASTENER, AVK-SHORT, 0.250-20 X 1.00 IN.	21
4		2540-01-523-4607	6W728	6430650-01M1	CAPPING RING, CENTER	1
5		2540-01-523-4035	6W728	6430649-01M1	CAPPING RING, END	2
6		2540-01-523-6710	6W728	6430652-01M1	CAPPING RING ASSEMBLY, LOWER	1

END OF FIGURE

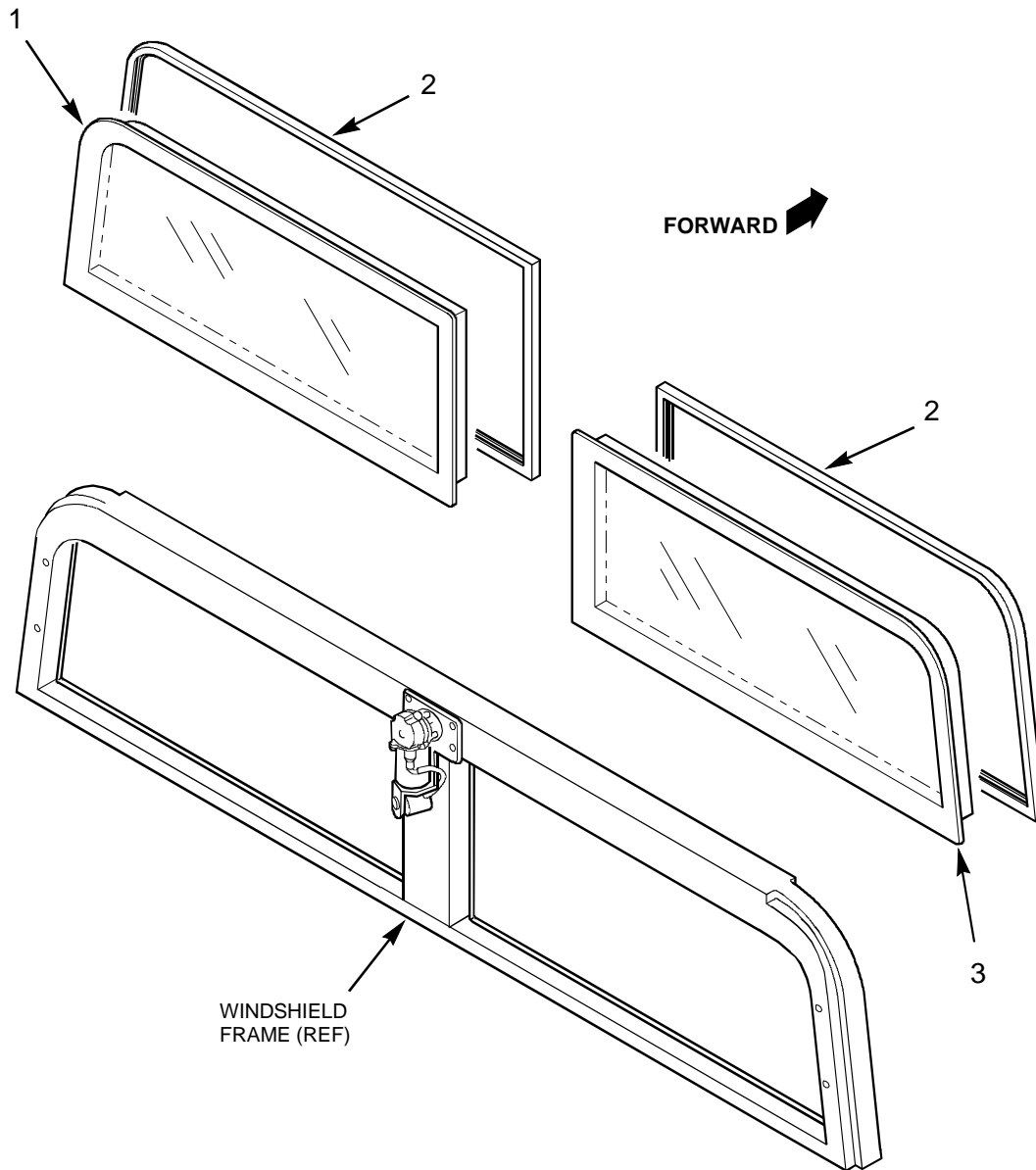
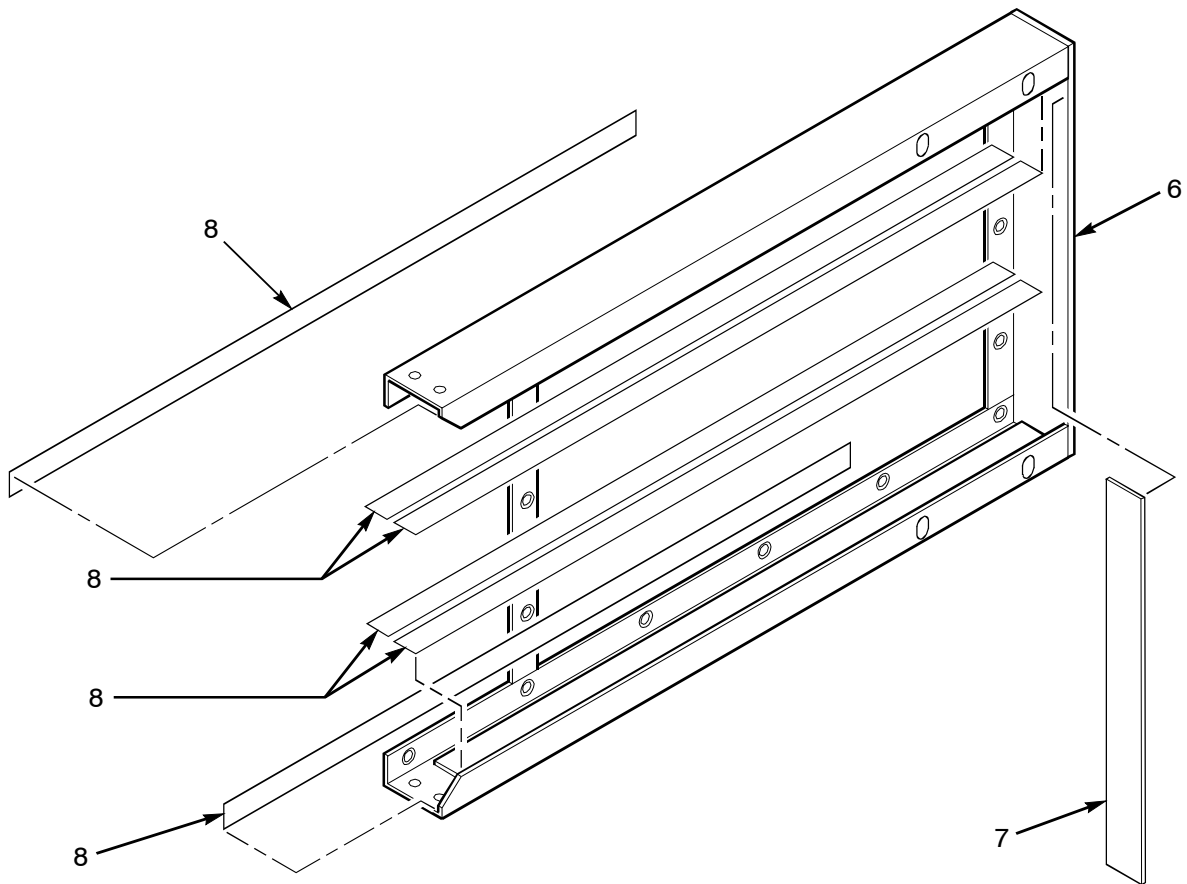
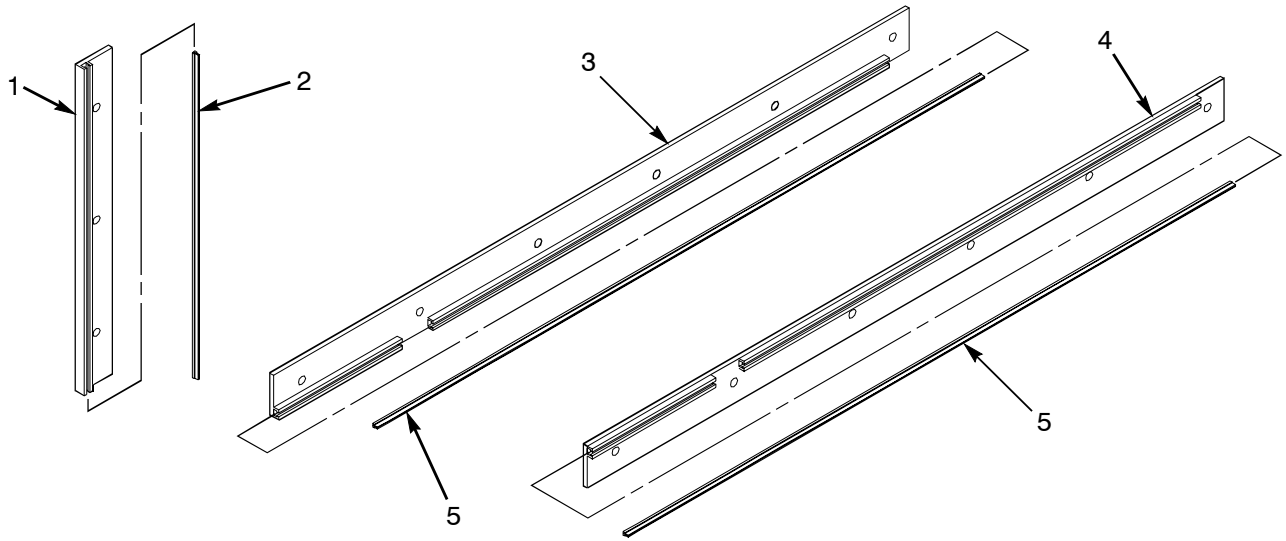


Figure 3-16. Windshield Glass (2 and 4 Door)

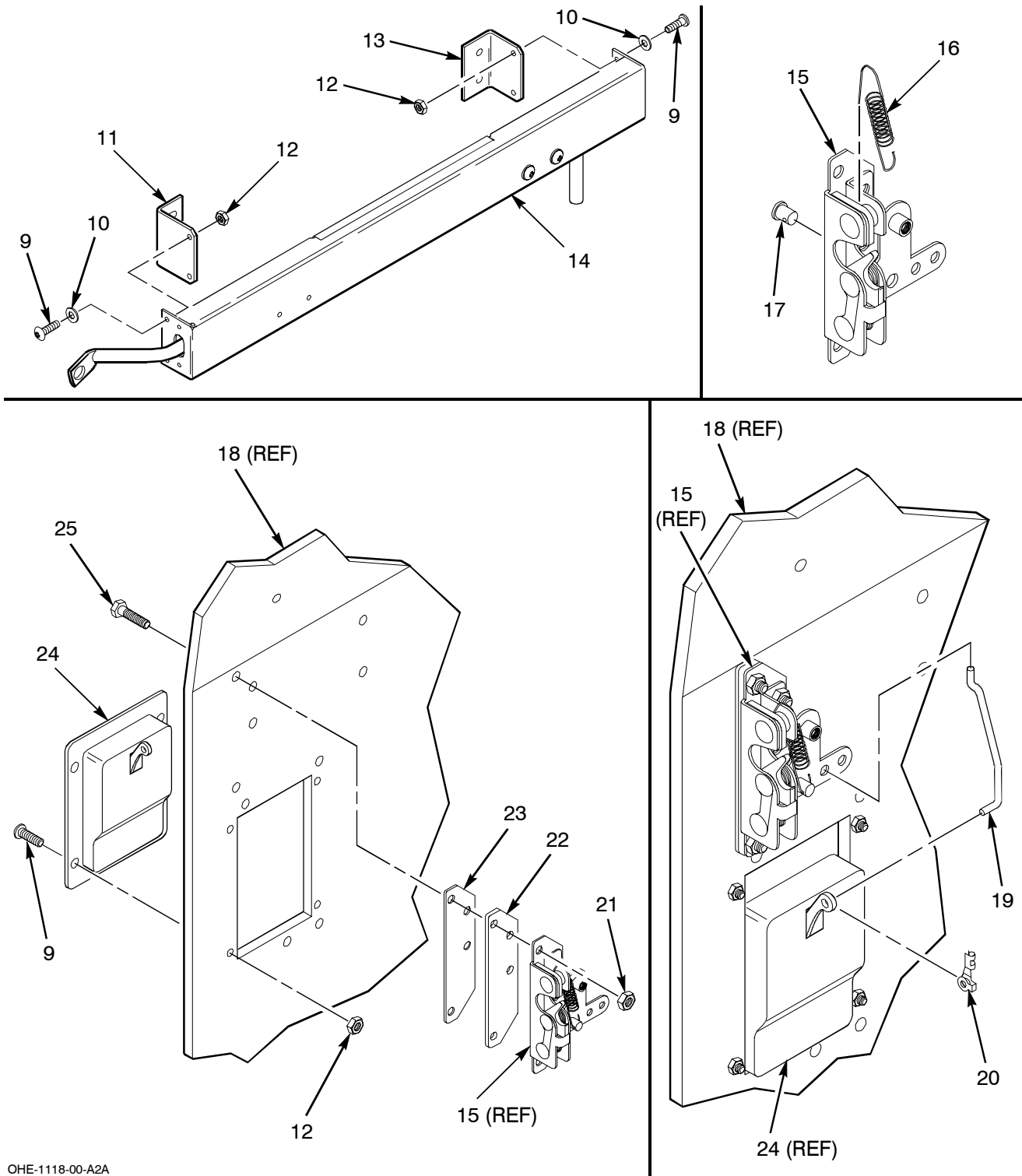
(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
1		2510-01-523-4029	6W728	6430624-01M1	FIGURE 3-16 WINDSHIELD GLASS (2 AND 4 DOOR) WINDSHIELD ASSEMBLY, LEFT	1
2		5330-01-209-5997	19207	12338860	WEATHER STRIP ASSEMBLY, WINDSHIELD	2
3		2510-01-523-4032	6W728	6430623-01M1	WINDSHIELD ASSEMBLY, RIGHT	1

END OF FIGURE



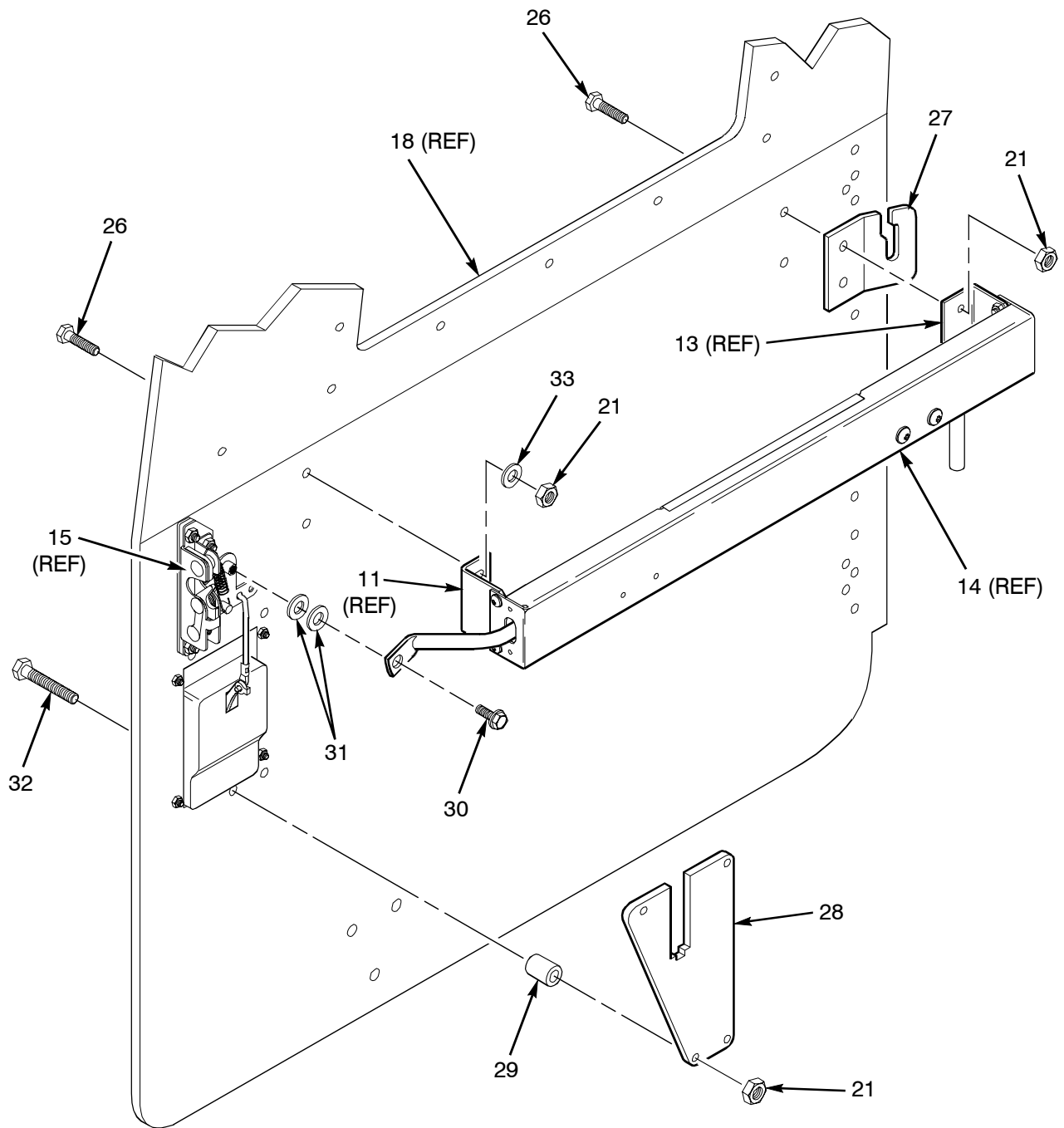
OHE-1117-00-A2A

Figure 3-17. Door Assembly (Sheet 1 of 5) (2 and 4 Door)



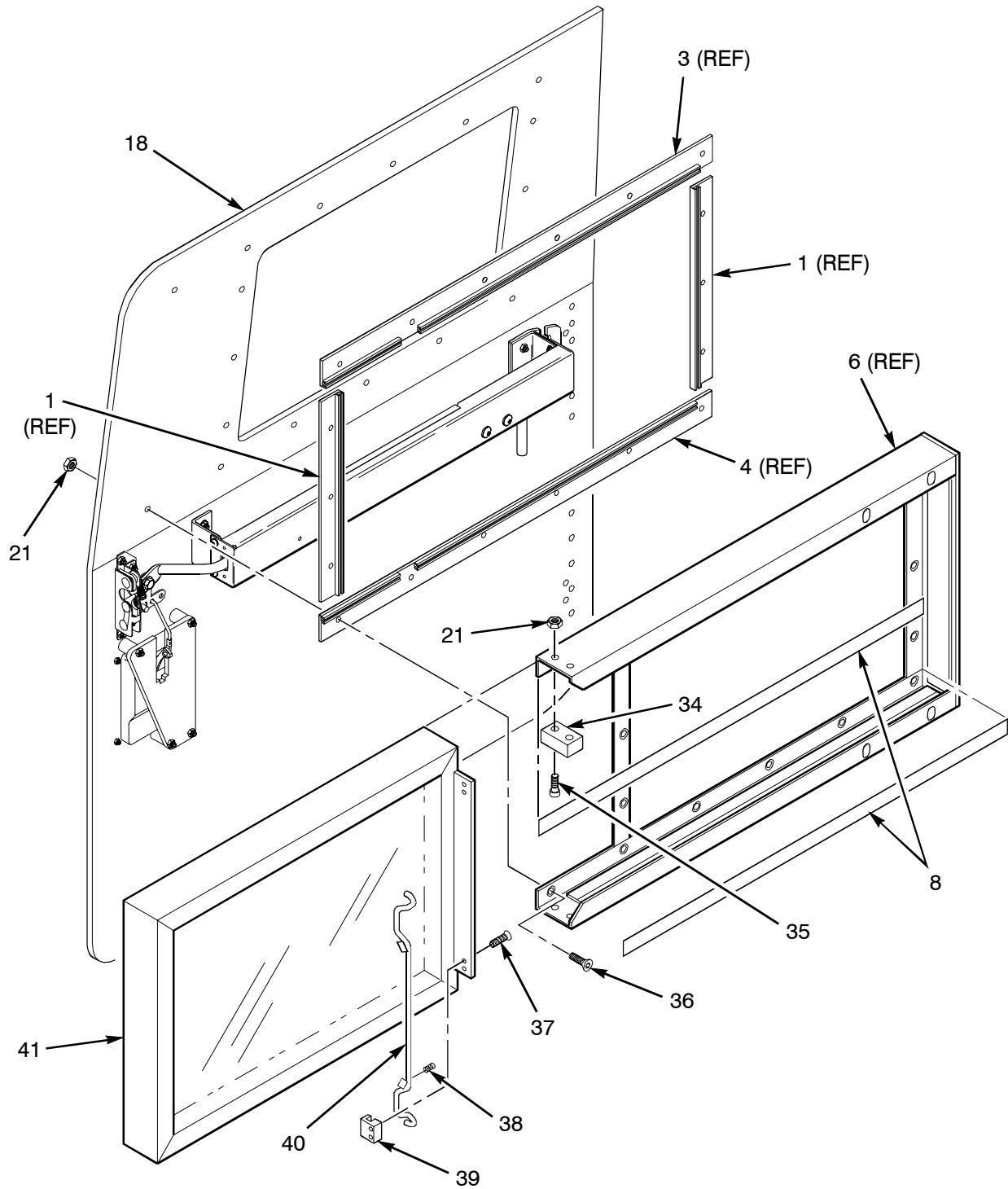
OHE-1118-00-A2A

Figure 3-17. Door Assembly (Sheet 2 of 5) (2 and 4 Door)



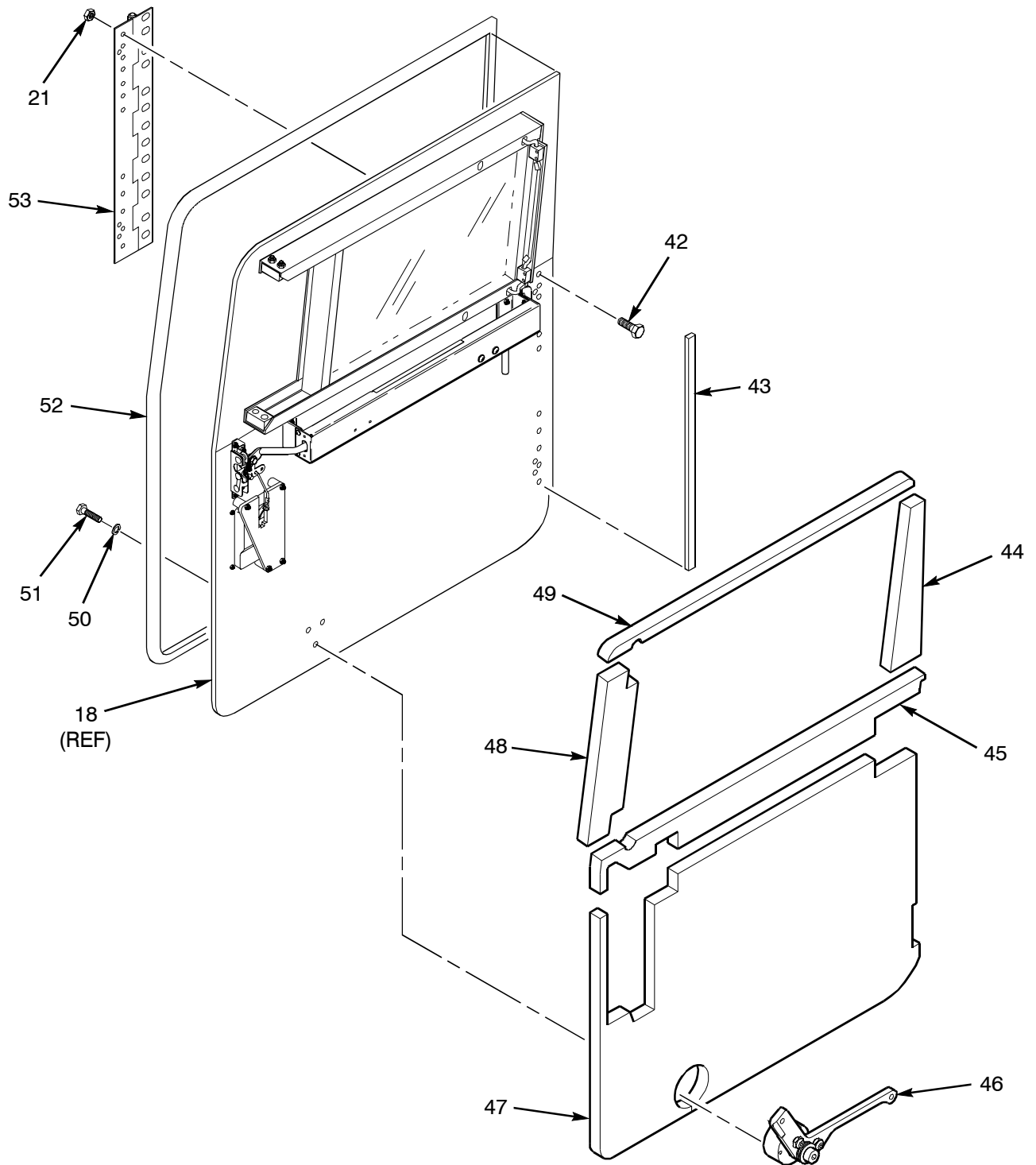
OHE-1119-00-A2A

Figure 3-17. Door Assembly (Sheet 3 of 5) (2 and 4 Door)



OHE-1120-00-A2A

Figure 3-17. Door Assembly (Sheet 4 of 5) (2 and 4 Door)



OHE-1121-00-A2A

Figure 3-17. Door Assembly (Sheet 5 of 5) (2 and 4 Door)

TB 9-2510-251-24

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
1		5330-01-524-8863	6W728	4660617-000	FIGURE 3-17 DOOR ASSEMBLY (2 AND 4 DOOR) RETAINER, WEATHERSEAL	2
2		5330-01-525-5208	6W728	4660614-004	WEATHERSTRIP, WINDOW	2
3		5330-01-524-8835	6W728	6430714-01M1	RETAINER, WEATHERSEAL	1
4		5330-01-524-7849	6W728	6430715-01M1	RETAINER, WEATHERSEAL	1
5		5330-01-524-8367	6W728	4660614-003	WEATHERSTRIP, WINDOW	2
6		2540-01-529-1799	6W728	6430703-01M1	CHANNEL ASSEMBLY, WINDOW	1
7		5330-01-525-3857	6W728	4660613-000	STRIP, CUSHION	1
8		5340-01-524-8875	6W728	4660611-002	GLIDE STRIP, 25.5 IN. LG	8
9		5305-01-419-2457	6W728	4397012-055	SCREW, MACH PAN HD, 0.164-32 X 0.625 IN.	8
10		5310-01-433-6376	6W728	4397005-005	WASHER, FLAT, 0.188 X 0.438 X 0.049 IN.	4
11		5340-01-524-9821	6W728	4660659-000	BRACKET, SUPPORT-REAR	1
12		5310-01-421-6085	6W728	4397020-022	NUT, HEX LOCKING, 0.164-32	8
13		5340-01-524-8912	6W728	4660660-000	BRACKET, SUPPORT-FRONT	1
14		2540-01-199-5812		12339454-1	HANDLE ASSEMBLY, LF	1
14		5340-01-198-7580		12339454-2	HANDLE ASSEMBLY, RF	1
14		5340-01-197-6714		12339387-1	HANDLE ASSEMBLY, LR	1
14		2540-01-198-7581		12339387-2	HANDLE ASSEMBLY, RR	1
15		2540-01-197-4900		9-300-U-L	LOCK, DOOR, VEHICULAR-LH	1

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
15		2540-01-196-5317		9-300-U-R	FIGURE 3-17 DOOR ASSEMBLY (2 AND 4 DOOR) (CONT'D) LOCK, DOOR, VEHICULAR-RH	1
16		5360-01-282-9316	19220	2-300-9	SPRING, HELICAL, EXT-LATCH	1
17		5315-01-300-3012		565698-4	PIN, STR HD-TUMBLER	1
18			6W728	6430689-01M1	DOOR PANEL, LEFT FRONT	1
18			6W728	6430688-01M1	DOOR PANEL, RIGHT FRONT	1
18			6W728	6430691-01M1	DOOR PANEL, LEFT REAR	1
18			6W728	6430690-01M1	DOOR PANEL, RIGHT REAR	1
19		2510-01-199-1498		12339378-1	HOOK, LATCH VEH, LH-FRONT	1
19		5340-01-197-4901		12339378-2	HOOK, LATCH VEH, RH-FRONT	1
19		2540-01-201-2356		12339377-1	HOOK, LATCH VEH, LH-REAR	1
19		2540-01-201-2357		12339377-2	HOOK, LATCH VEH, RH-REAR	1
20		5340-01-198-2240		HS99417	CLIP-CLEVIS, ROD RET LH	1
20		5340-01-198-2241		HS99338	CLIP-CLEVIS, ROD RET RH	1
21		5310-01-439-8173	6W728	4397064-001	NUT, HEX LOCKING, 0.250-20	49
22		5365-01-525-2720	6W728	4668657-002	SPACER, DOOR LATCH, 0.125	1
23		5365-01-524-8689	6W728	4668657-012	SPACER, DOOR LATCH, 0.063	1
24		2540-01-525-0365		12340040	HANDLE, RECESS-DOOR ASSEMBLY	1
25		5305-01-436-6379	6W728	4397000-008	SCREW, CAP HEX HD, 0.250-20 X 1.00 IN.	4

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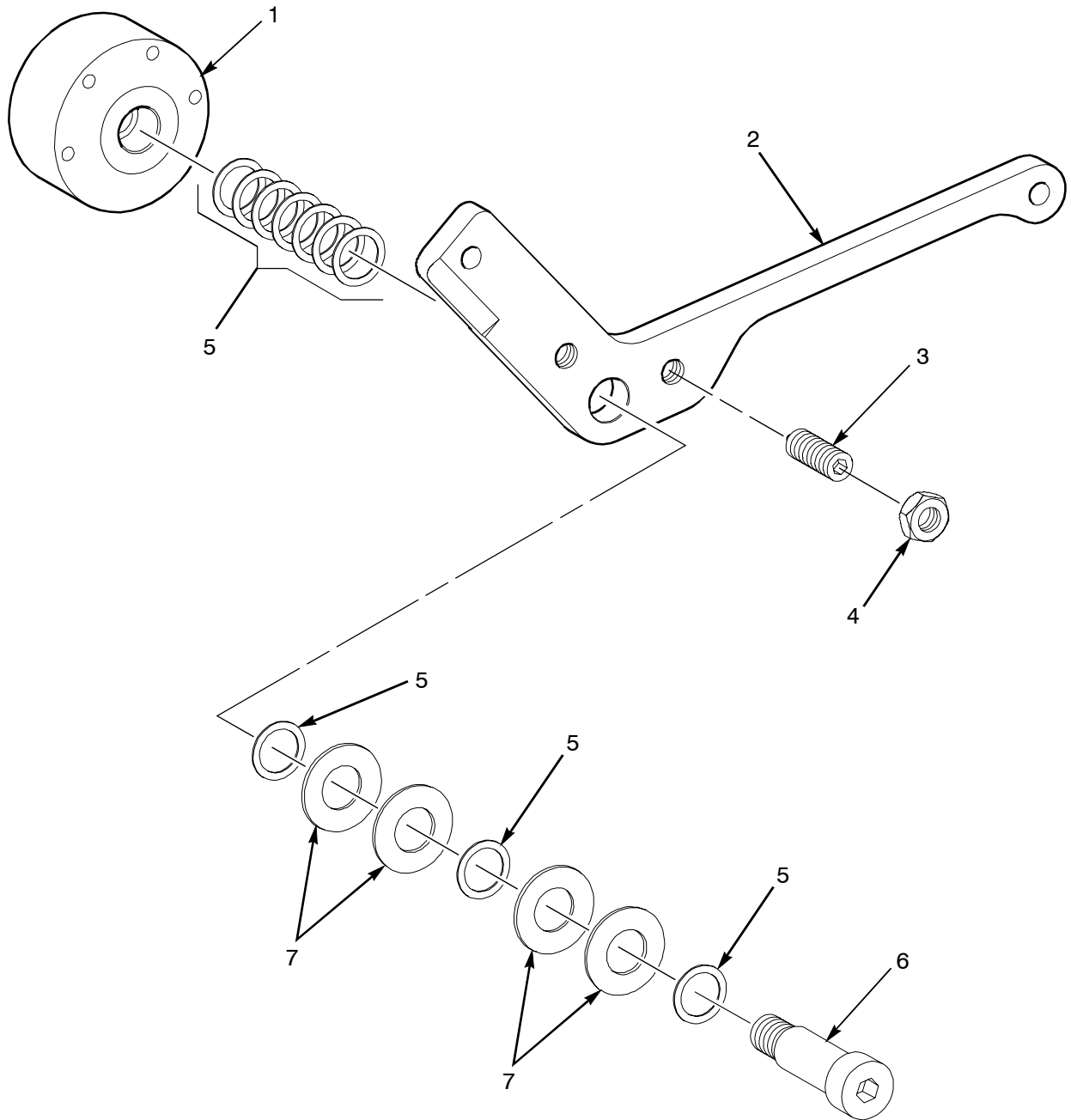
(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
26		5306-01-433-9181	6W728	4397000-007	FIGURE 3-17 DOOR ASSEMBLY (2 AND 4 DOOR) (CONT'D) SCREW, CAP HEX HD, 0.250-20 X .875	4
27		5340-01-524-8785	6W728	4660643-000	HOOK, CHECKSTRAP-LEFT	1
27		5340-01-525-1913	6W728	4660644-000	HOOK, CHECKSTRAP-RIGHT	1
28		5340-01-524-8680	6W728	4660646-002	PLATE, LATCH GUARD- FRONT	1
28		5340-01-524-7863	6W728	4660650-002	PLATE, LATCH GUARD- REAR	1
29		5365-01-524-9805	6W728	4660645-000	SPACER, LATCH GUARD	4
30		5306-01-436-5429	6W728	4397051-037	SCREW, FLANGED HEX HD, 0.250-20 X 0.500 IN.	1
31		5310-01-419-2413	6W728	4397005-014	WASHER, FLAT, 0.406 X .812 X .065 IN.	2
32		5306-01-420-6635	6W728	4397000-012	SCREW, CAP HEX HD, 0.250-20 X 1.50 IN.	4
33		5310-01-435-7784	6W728	4397005-010	WASHER, FLAT, 0.281 X .625 X 0.065 IN.	2
34		5340-01-419-5188	6W728	4668947-001	BUMPER, PROTECTIVE	2
35		5305-01-433-9255	6W728	4397015-090	SCREW, CAP SOCKET HD, 0.250-20 X 0.625 IN.	4
36		5305-01-524-8805	6W728	4397031-030	SCREW, SOCKET HD FLAT, 0.250-20 X 0.750 IN.	18
37		5305-01-433-9258	6W728	4397008-072	SCREW, MACHINE FLAT HD, 0.190-24 X 0.500 IN.	4
38			6W728	4668946-002	SPRING	2
39			6W728	4668633-002	RETAINER PLATE	2
40		5340-01-524-9829	6W728	4660608-002	ROD, LOCKING-WINDOW	1
41		2510-01-525-1193	6W728	6430622-01M1	SIDELITE ASSEMBLY	1

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
42		5306-01-430-7399	6W728	4397000-006	FIGURE 3-17 DOOR ASSEMBLY (2 AND 4 DOOR) (CONT'D) SCREW, CAP HEX HD, 0.250-20 X 0.750 IN.	15
43		5330-01-525-7140	6W728	4660649-000	FOAM, CLOSED CELL, 0.630 X 1.00 X 19.5 IN. LG,	1
44		2540-01-525-6473	6W728	6430833-02M1	PSA BACKING INSULATION, FRONT DOOR, FRONT-LEFT	1
44		2540-01-525-1226	6W728	6430833-01M1	INSULATION, FRONT DOOR, FRONT-RIGHT	1
44		2540-01-525-1657	6W728	6430837-01M1	INSULATION, REAR DOOR, FRONT	1
45		2540-01-525-6762	6W728	6430830-02M1	INSULATION, FRONT DOOR, MIDDLE-LEFT	1
45		2540-01-525-6494	6W728	6430830-01M1	INSULATION, FRONT DOOR, MIDDLE-RIGHT	1
45		2540-01-525-7137	6W728	6430835-02M1	INSULATION, REAR DOOR, MIDDLE-LEFT	1
45		2540-01-525-1649	6W728	6430835-01M1	INSULATION, REAR DOOR, MIDDLE-RIGHT	1
46		2540-01-525-3627	6W728	6431262-01M1	ASSEMBLY, COMBAT LOCK, HARD KIT-LEFT	1
46		2540-01-525-3630	6W728	6431267-01M1	ASSEMBLY, COMBAT LOCK, HARD KIT-RIGHT	1
47		2540-01-525-6448	6W728	6430829-02M1	INSULATION, FRONT DOOR, LOWER-LEFT	1
47		2540-01-525-1201	6W728	6430829-01M1	INSULATION, FRONT DOOR- LOWER-RIGHT	1
47		2540-01-525-1663	6W728	6430834-02M1	INSULATION, REAR DOOR, LOWER-LEFT	1
47		2540-01-525-1647	6W728	6430834-01M1	INSULATION, REAR DOOR, LOWER-RIGHT	1
48		2540-01-525-1215	6W728	6430832-01M1	INSULATION, FRONT DOOR, REAR	1
48		2540-01-525-6458	6W728	6430838-02M1	INSULATION, REAR DOOR, REAR-LEFT	1
48		2540-01-525-1658	6W728	6430838-01M1	INSULATION, REAR DOOR, REAR-RIGHT	1

TB 9-2510-251-24

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
49		2540-01-525-6468	6W728	6430831-02M1	FIGURE 3-17 DOOR ASSEMBLY (CONT'D) INSULATION, FRONT DOOR, TOP-LEFT	1
49		2540-01-525-1207	6W728	6430831-01M1	INSULATION, FRONT DOOR, TOP-RIGHT	1
49		2540-01-525-6471	6W728	6430836-02M1	INSULATION, REAR DOOR, TOP-LEFT	1
49		2540-01-525-1653	6W728	6430836-01M1	INSULATION, REAR DOOR, TOP-RIGHT	1
50		5310-01-417-9942	6W728	4397004-007	WASHER, LOCK, 0.313 IN.	3
51		5306-01-433-9257	6W728	4397001-032	SCREW, CAP HEX HD, 0.313-24 X 0.750 IN.	3
52		5330-01-524-9109	6W728	6430717-01M1	WEATHERSEAL-DOOR TRIM	1
53		2510-01-525-0348	6W728	4660623-000	HINGE, LEFT	1
53		2510-01-525-4667	6W728	4660622-000	HINGE, RIGHT	1

END OF FIGURE



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Figure 3-18. Combat Lock Assembly (2 and 4 Door)

TB 9-2510-251-24

(1) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER (NSN)	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
1		5365-01-525-4271	6W728	6431263-01M1	FIGURE 3-18 COMBAT LOCK ASSEMBLY (2 AND 4 DOOR) BASE, PIVOT-COMBAT LOCK	1
2		2540-01-525-1057	6W728	6431264-01M1	HANDLE, ENGAGEMENT	1
3		5325-01-524-8802	6W728	6431265-20M1	ROUND NOSE SPRING PLUNGER, STEEL	2
4			6W728	6430523-08M1	NUT, HEX JAM, 0.50-13	2
5			6W728	43497005-046	WASHER, FLAT, GEN PURP, STEEL, ZINC PLATED, 0.75 X 1.00 X 0.031 IN.	10
6		5305-01-524-7877	6W728	4397060-093	SCREW, SHOULDER SH, 0.625-11 X 1.75 IN.	1
7		5310-01-525-2804	6W728	4397057-035	WASHER, BELLEVILLE, 1.5 IN. OD X 0.755 IN. ID	4

END OF FIGURE

CHAPTER 4

INSTALLATION – ADD ON ARMOR (AOA) KIT

4-1 SCOPE

These procedures provide a method of installing the armor kit.

4-2 TOOLS REQUIRED

TOOLS REQUIRED	NSN NUMBERS
Scissor Table	
Pry Bar	5120-00-224-1393
Hammer	5120-00-061-8546
Grinder	
Saw Reciprocating	5130-00-720-0654
Chisel	
½" Drill	5130-01-444-4662
Screwdriver Set	5120-00-580-0334
¾" Impact Wrench	5130-01-355-2094
Punch Set	5120-00-883-3003
¼" Eight-Point Socket (Removal of Door Hinges)	
7/16" Socket ½" Socket 9/16" Socket 3/4" Socket	Part of Socket Set ¾" Drive 5120-00-322-6231
7/16" Open End Wrench ½" Open End Wrench 9/16" Open End Wrench ¾" Open End Wrench	Part of Wrench Set Combination 5120-00-895-9566
¾" Ratchet	5120-01-366-0626
3" x ¾" Drive Extension	5120-01-358-2758 and
6" x ¾" Drive Extension	5120-01-430-3105
Blade Kit Hole Saw	3455-00-684-3918
13/32" Drill Bit	
9/32" Drill Bit	
1/2 " Drill Bit	5133 -00-227-9672

4-3 ARMOR KIT INSTALLATION INSTRUCTIONS



1. Place template on A-Pillar. Bolt template into position using existing hinge holes and bolts. With template in place mark the 5 holes with 7/64" transfer punch.



2. Drill punch holes out with 13/32" drill bit.



NOTE

Top bolt will use $\frac{1}{4}$ " locking nut and the bottom will use existing threaded hole.

3. Raise door with scissor table aligning door hinge with A-Pillar and bolt hole positions. Insert $\frac{1}{4}$ " – 20 and 1" and $\frac{1}{4}$ " washers into holes (3rd hole from top and 2nd hole up from the bottom).



4. Place front rocker panel over top of door hinge.



5. Insert $\frac{1}{4}$ " – 20 and $1 \frac{1}{4}$ " bolts in the top and bottom holes. Insert $\frac{1}{4}$ " – 20 and $1 \frac{1}{4}$ " bolts and $\frac{1}{4}$ " washers (1" outside diameter) in remaining panel holes with $\frac{1}{4}$ " locking nuts. Insert the L-Shaped bracket into the frame rail.



6. Insert $\frac{3}{8}$ " – 18 and $1 \frac{1}{2}$ " bolts and $\frac{3}{8}$ " washers through rocker panel plate and A-Pillar into L-Bar.



7. Tighten all remaining bolts.



NOTE

Some models will use 5/16" – 20 and 5 1/2" bolts to accommodate the roll bar.

8. Place front striker into existing holes on the B-Pillar. Insert 5/16" – 20 and 1 1/2" bolts and 5/16" washers through striker plate and B-Pillar and loosely tighten 5/16" locking nuts. Adjust striker to door latch as needed. Tighten down mounting hardware.

4-4 ARMOR KIT INSTALLATION INSTRUCTIONS



1. Remove template from installation kit hardware and place on B-Pillar.



2. Mark holes with a 1/8" transfer punch.



NOTE

Do not drill into the interior portion of the B-Pillar.

3. Drill the previous markings with a 1" hole saw. Only drill the exterior portion of the B-Pillar.



4. Drill the interior portion of the B-Pillar with 13/32" drill bit.



5. Insert 1" spacers that are provided in the installation hardware kit.



6. After completion, the B-Pillar will have four 1" spacers.

4-5 ARMOR KIT INSTALLATION INSTRUCTIONS



1. Raise rear door and align with original 1/4" hole locations.



2. Insert 1/4" – 20 and 1" bolts and 1/4" washers into threaded hinge hole. Hand tighten mounting hardware to allow for door alignment.



3. Align door and tighten $\frac{1}{4}$ " – 20 and 1" bolts.



4. Place center hinge protection over door hinge. Insert $\frac{1}{4}$ " – 20 and 1 $\frac{1}{4}$ " bolts and $\frac{1}{4}$ " washers into existing threaded holes (top and bottom).



5. Insert 3/8" – 18 and 2 1/2" bolts and 3/8" washer through protection bar and B-Pillar. Place 3/8" locking nut on the inside and tighten all four bolts.

4-6 ARMOR KIT INSTALLATION INSTRUCTIONS



1. Place striker and plate in door latch.



2. Close door with striker in door latch. Mark outline of striker plate against the C-Pillar to include holes.



3. Remove any rivets in marked location to allow a flush fit.



4. Mark holes with 13/32" transfer punch on C-Pillar. Drill identified marks with 13/32" drill bit.



5. Place striker backing plate in wheel well.



6. Insert 3/8" – 18 and 1 1/2" bolts and 3/8" washers through striker plate and C-Pillar. Hand tighten mounting hardware to allow for adjustment of striker to door latch.

7. Adjust striker to door latch as required and tighten mounting hardware.

4-7 ARMOR KIT INSTALLATION INSTRUCTIONS



1. Insert $\frac{1}{4}$ " – 20 and 1 $\frac{1}{2}$ " bolt into dash panel. Add $\frac{1}{4}$ " spacers and chain assembly with $\frac{1}{4}$ " washers and $\frac{1}{4}$ " locking nut.

2. Insert $\frac{1}{4}$ " – 20 and 1 $\frac{1}{2}$ " bolt into door. Add $\frac{1}{4}$ " spacers and chain assembly with $\frac{1}{4}$ " washers and $\frac{1}{4}$ " locking nut.

3. Repeat above steps to remaining doors.

4-8 ARMOR KIT INSTALLATION INSTRUCTIONS



NOTE

Some models do not have existing holes. Drill with 9/32" drill bit where needed.

1. Place lower front door plate underneath door aligning with existing holes.



2. Insert six 1/4" – 20 and 1 1/4" bolts and 1/4" washers (1" outside diameter) through plate and body of vehicle with 1/4" – 20 locking nuts and tighten mounting hardware.



NOTE

Some models do not have existing holes. Drill with 9/32" drill bit and 1/2" drill bit where needed.

3. Place rear door bottom plate onto vehicle aligning with holes.



4. Insert six 1/4" – 20 and 1 1/4" bolts and 1/4" washers (1" outside diameter) through plate and body of vehicle with 1/4" – 20 locking nuts and tighten mounting hardware.



NOTE

Rear door has additional mounting hardware. Step 5 pertains to rear door only.

5. Insert two ½" – 13 and 1" bolts, washers and ½" locking nuts. Tighten mounting hardware.

4-9 ARMOR KIT INSTALLATION INSTRUCTIONS



1. Remove rear seat back rest exposing rear seat compartment.



2. Measure the distance needed to properly return the rear seat back rest into position.



3. Cut measured distance with grinder to saw reciprocating.



4. Attach 3\" x 3\" angle to vehicle crossmember.



5. Place rear seat back rest cover back into position.

4-10 ARMOR KIT INSTALLATION INSTRUCTIONS



1. Remove rear back seat rest.



2. Attach aluminum bar to armor back rest plate.



3. Place in position by placing aluminum bar upon existing bracket as close as possible to the outside of vehicle. Drill $\frac{1}{2}$ " holes through rear wheel well. Attach with $\frac{1}{2}$ " x 13 x 3" bolts, $\frac{1}{2}$ " washers, and $\frac{1}{2}$ " x 13 locking nuts. Drill $\frac{13}{32}$ " hole through wheel well at the holes provided in armor plating at the bottom of armor panel. Attach with $\frac{3}{8}$ " x 16 x 2 $\frac{1}{2}$ " bolts, $\frac{3}{8}$ " washer, and $\frac{3}{8}$ " locking nut.



4. Position center panel in place. Line holes up with back panels. Bolt in place with $\frac{1}{2}$ " x 13 x 1 $\frac{1}{4}$ " bolt, $\frac{1}{2}$ " washer, and $\frac{1}{2}$ " x 13 locking nut.

4-11 ARMOR KIT INSTALLATION INSTRUCTIONS



1. Remove rear seat back rest panel exposing rear seat compartment. Cut aluminum floor plating at outer side of vehicle. Cut back rest panel in order for it to be replaced.



NOTE

Put angle iron in place as close to the outside of vehicle as possible. Angle iron must face driver's compartment.

2. Attach 3" x 3" angle to bottom of armor back rest plating with 3/8" x 16 x 1 1/2" bolt, 3/8" washer, and 3/8" locking nut.



3. Attach armor plating at roll bar with 3/8" x 16 x 3 1/2" bolt, 3/8" washer, and 3/8" x 16 locking nut through 4 1/4" plate.

4. Install center armor plating with 1/2" x 13 x 1 1/2" bolt, 1/2" washer, and 1/2" x 13 locking nut.

CHAPTER 5

PARTS LIST – ADD ON ARMOR (AOA) KIT

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5-1 LIST OF FIGURES – ADD ON ARMOR (AOA) KIT

<u>FIGURE</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
1	Front Door Assembly.....	5-2
2	Back Plate Supports (2 Door Only).....	5-4
3	Left Front Skirt Armor.....	5-6
4	Rear Rocker Panel Armor.....	5-8
5	Front Rocker Panel Armor.....	5-10
6	Front Door Striker.....	5-12
7	Rear Door Striker.....	5-14
8	Right Front Skirt Armor.....	5-16
9	Rear Partition.....	5-18
10	Rear Door Assembly.....	5-20
11	Front Door Assembly.....	5-22

TB 9-2510-251-24

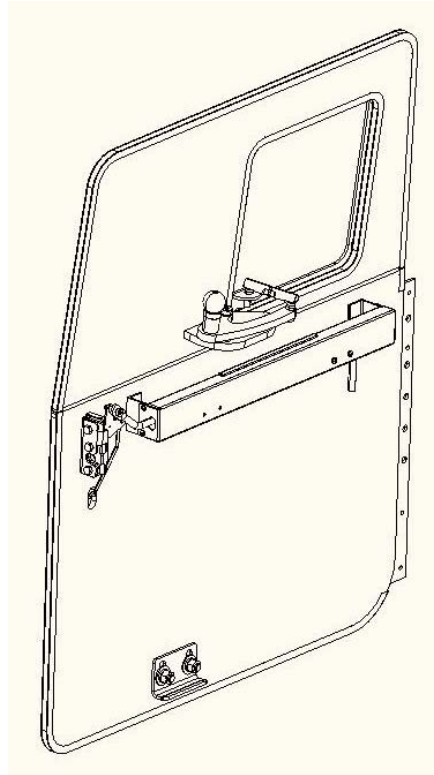


Figure 1: Front Door Assembly

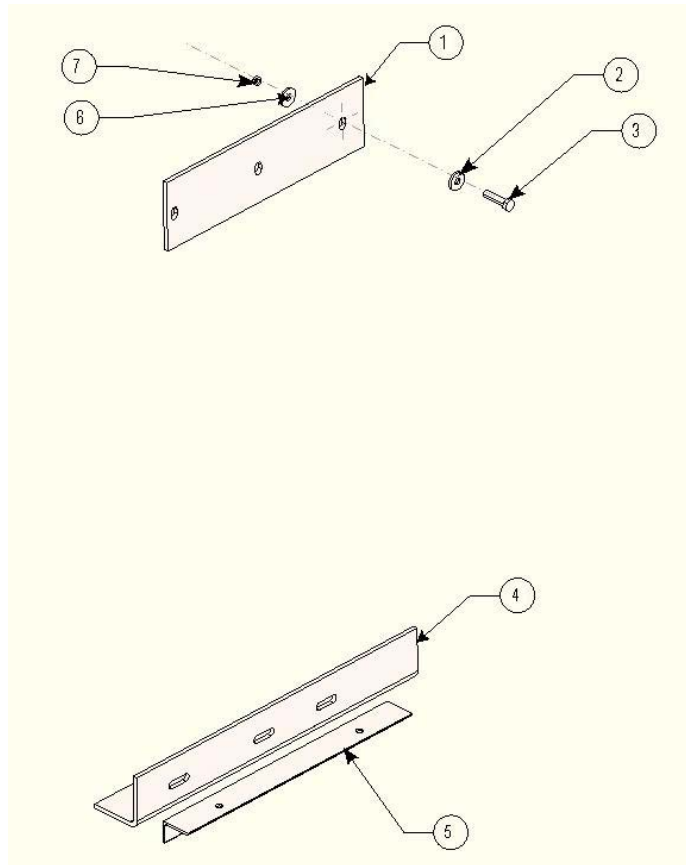


Figure 2: Back Plate Supports (2 Door Only)

BACK PLATE SUPPORTS (2 DOOR ONLY)

Item No.	SMR	NSN	CAGEC	PART NUMBER	DESCRIPTION	QTY
					FIG. 2 BACK PLATE SUPPORTS (2 DOOR ONLY)	
1	PBOZZ	9515-01-519-4173	19207	12475776	Plate, Back Plate Mounting	2
2	PAOZZ	5310-00-080-6004	96906	MS 27183-14	Washer, Flat	3
3	PAOZZ	5305-00-543-2866	80204	B1821BH038 C250N	Screw, Hex-Head	3
4	PBOZZ	5340-01-519-7318	19207	12475768	Bracket, Back Plate Mounting	2
5	PBOZZ	5340-01-519-7833	19207	12475802	Bracket Back Plate Mounting	2
6	PAOZZ	5310-00-080-6004	96906	MS 27183-14	Washer, Flat	3
7	PAOZZ	5310-01-516-3509	81349	M45913/1-6CG8Z	Nut, Self-Locking	3

The following are not yet illustrated, used to retain bracket 4 and 5

8	PAOZZ	5305-00-725-2317	80204	B1821BH038 C150N	Screw, Hex-Head	12
9	PAOZZ	5310-00-080-6004	96906	MS 27183-14	Washer, Flat	24
10	PAOZZ	5310-01-516-3509	81349	M45913/1-6CG8Z	Nut, Self-Locking	12

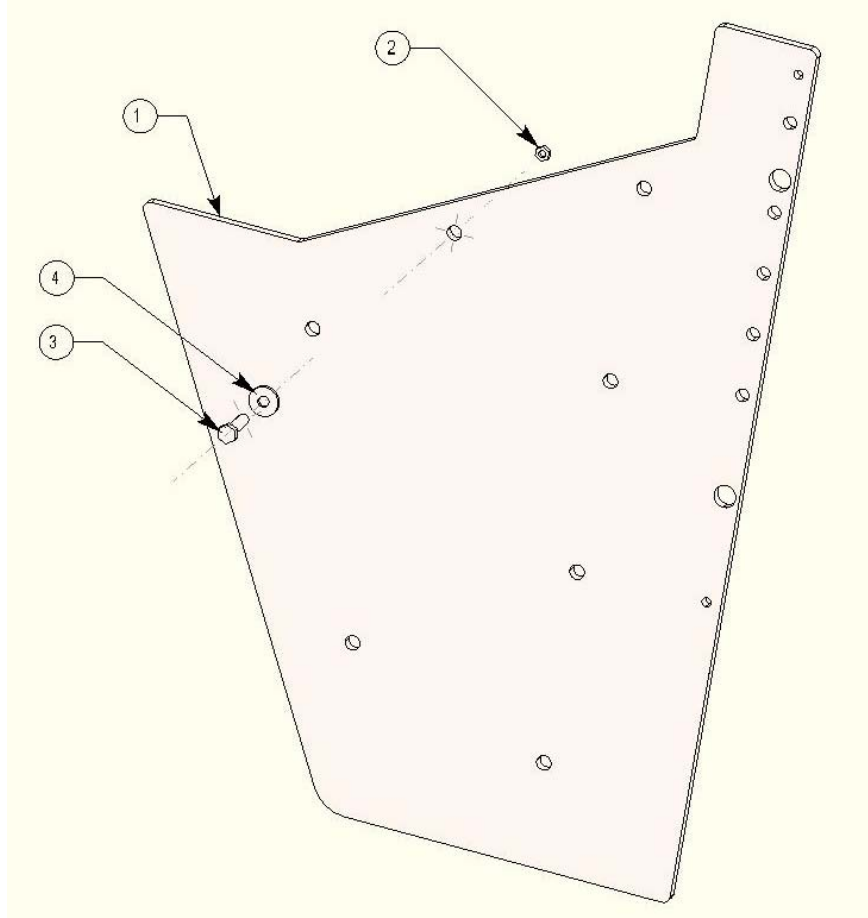


Figure 3: Left Front Skirt Armor

Left Front Skirt Armor

Item No.	SMR	NSN	CAGEC	PART NUMBER	DESCRIPTION	QTY
					FIG. 3 LEFT FRONT SKIRT ARMOR	
1	PBOZZ	9515-01-519-6412	19207	12475754	Plate, Armor, Left Front	1
2	PAOZZ	5310-01-516-3509	81349	M45913/1-6CG8Z	Nut, Self-Locking	7
3	PAOZZ	5305-00-725-2317	80204	B1821BH038 C150N	Screw, Cap, Hexagon Head	12
4	PAOZZ	5310-00-080-6004	96906	MS 27183-14	Washer, Flat	12

The following are not yet illustrated.

	PAOZZ	5305-00-071-2505	80204	B182BH025C 088N	Screw, Cap, Hexagon Head	2
	PAOZZ	5305-00-071-2509	80204	B1821BH025 C150N	Screw, Cap, Hexagon Head	2
	PAOZZ	5310-00-809-4058	96906	MS27183-10	Washer, Flat	4

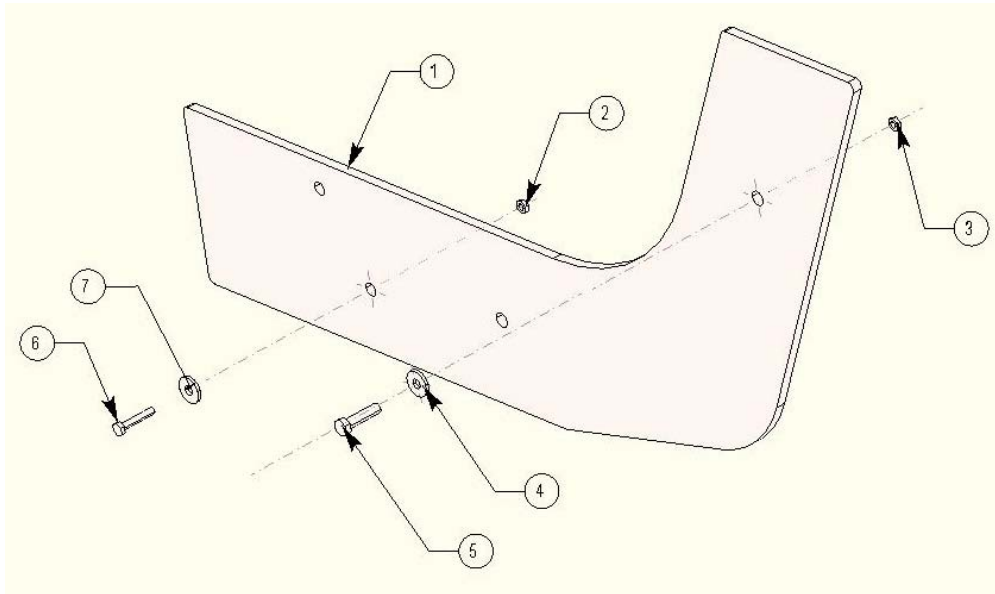


Figure 4: Rear Rocker Panel Armor

Rear Rocker Panel Armor

Item No.	SMR	NSN	CAGEC	PART NUMBER	DESCRIPTION	QTY
					FIG. 4 REAR ROCKER PANEL ARMOR	
1	PBOZZ	9515-01-519-6849	19207	12475770	Plate, Rocker Rear	2
2	PAOZZ	5310-01-516-3509	81349	M45913/1- 6CG8Z	Nut, Self-Locking	2
3	PAOZZ	5310-01-516-3509	81349	M45913/1- 6CG8Z	Nut, Self-Locking	2
4	PAOZZ	5310-00-080-6004	96906	MS27183-14	Washer, Flat	2
5	PAOZZ	5305-00-725-2317	80204	B1821BH038 C150N	Screw, Cap, Hexagon Head	2
6	PAOZZ	5305-00-725-2317	80204	B1821BH038 C150N	Screw, Cap, Hexagon Head	2
7	PAOZZ	5310-00-080-6004	96906	MS27183-14	Washer, Flat	2

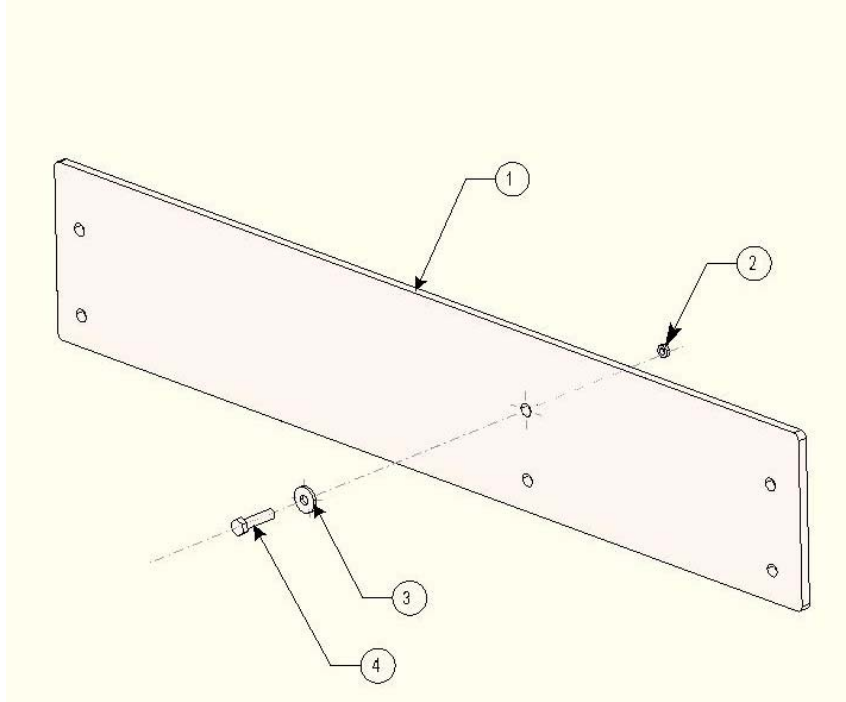


Figure 5: Front Rocker Panel Armor

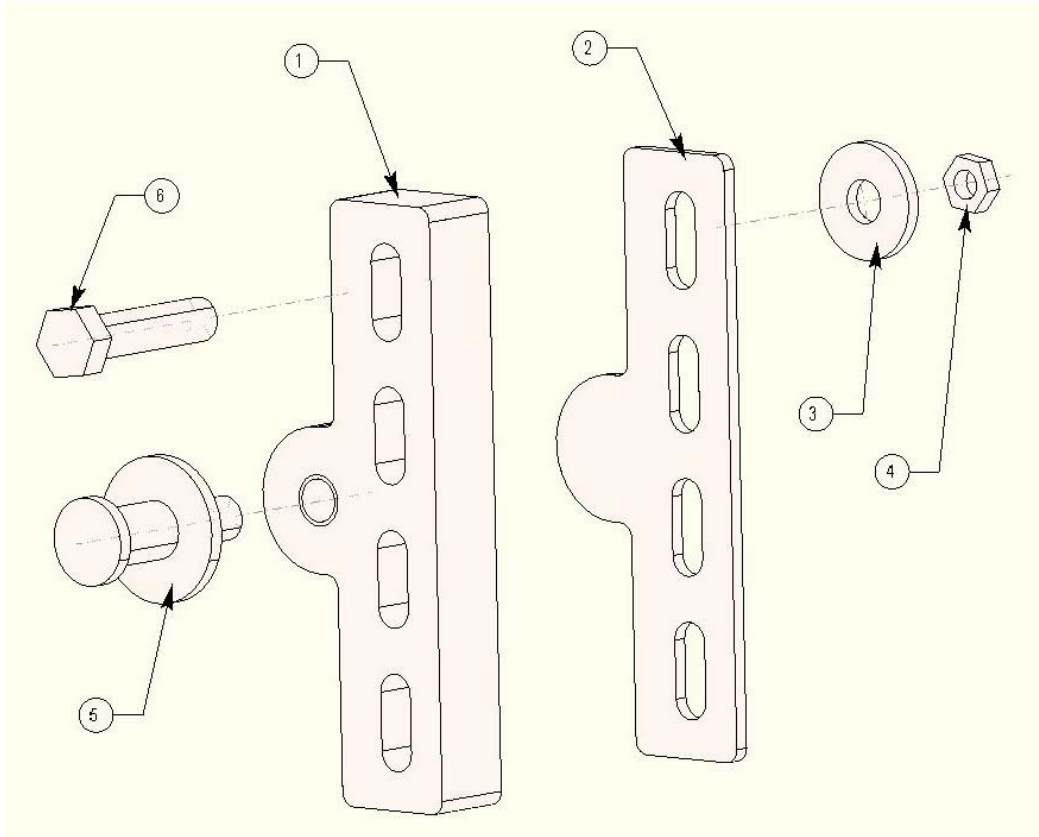


Figure 6: Front Door Striker

Front Door Striker

Item No.	SMR	NSN	CAGEC	PART NUMBER	DESCRIPTION	QTY
					FIG. 6 FRONT DOOR STRIKER	
1	PBOZZ	5340-01-519-7864	19207	12475787	Plate, Striker Mounting	1
2	PBOZZ	5365-01-519-4421	19207	12475794	Shim, Striker Mount Plate	1
3	PAOZZ	5310-00-081-4219	96906	MS 27183-12	Washer, Flat	4
4	PAOZZ	5310-01-494-9745	81349	M45913/1-5CG8Z	Nut, Self-Locking	4
5	PAOZZ	5340-01-365-0250	19220	2T-400-52	Striker	1
6	PAOZZ	5306-00-226-4833	80204	B1821BH031 C200N	Screw, Hex-Head	4

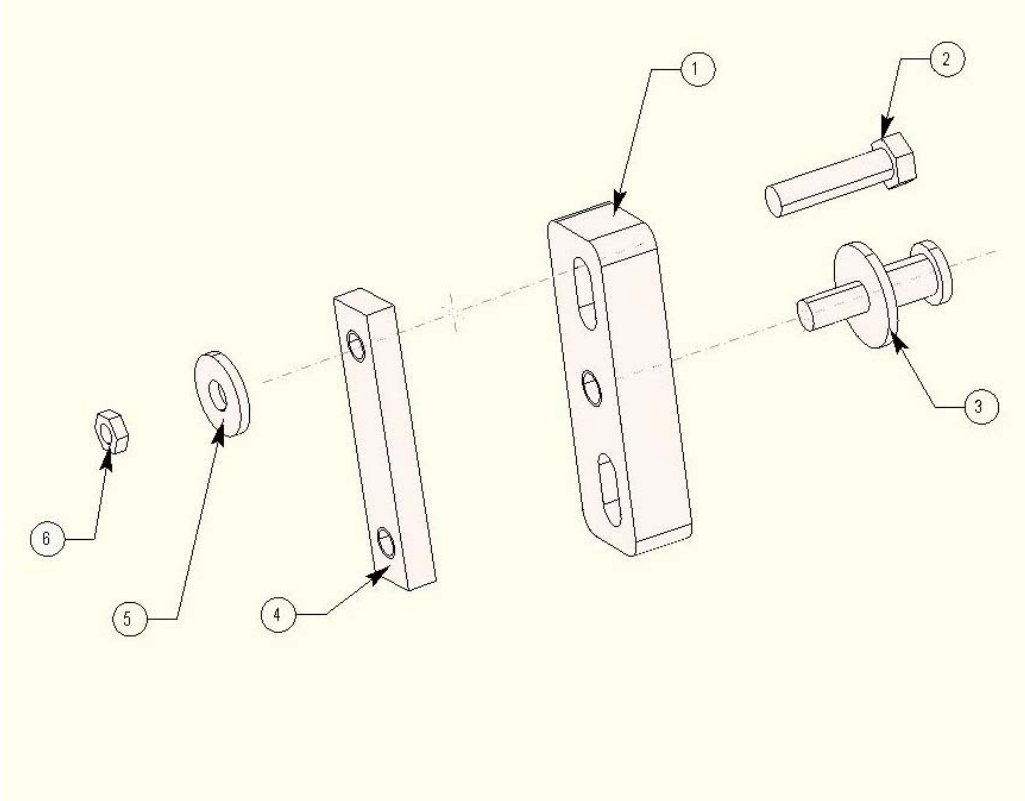


Figure 7: Rear Door Striker

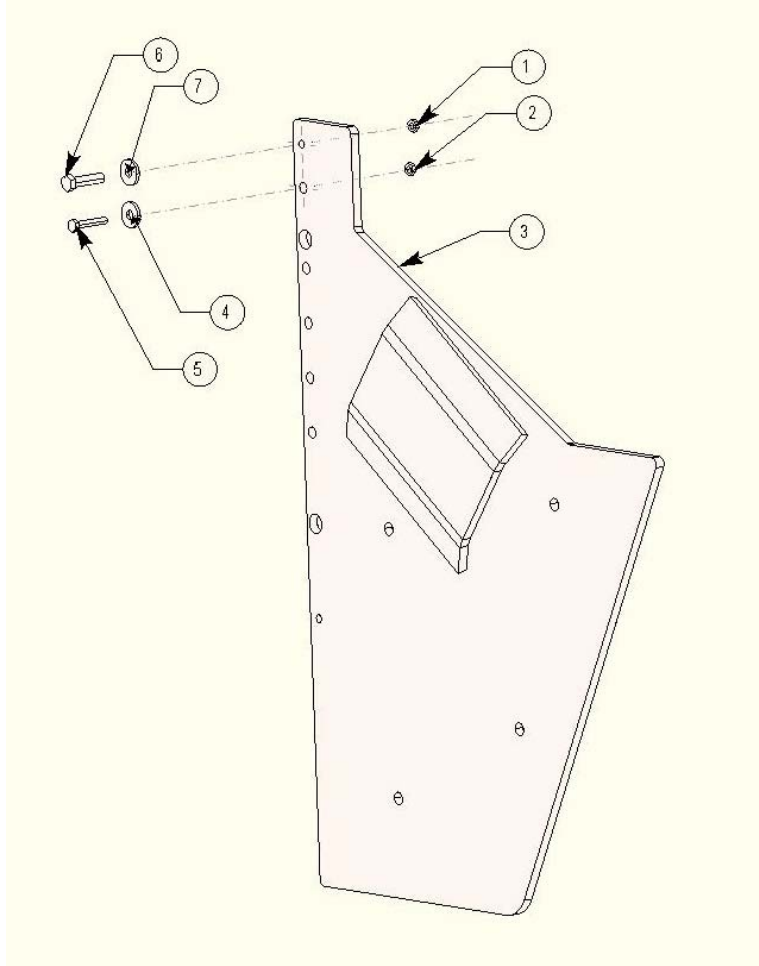


Figure 8: Right Front Skirt Armor

Right Front Skirt Armor

Item No.	SMR	NSN	CAGEC	PART NUMBER	DESCRIPTION	QTY
					FIG. 8 RIGHT FRONT SKIRT ARMOR	
1	This	item is not used	or	required.	Nut, Self-Locking	
2	PAOZZ	5310-01-516-3509	81349	M45913/1-6CG8Z	Nut-Self-Locking	5
3	PBOZZ	9515-01-519-6457	19207	12475806	Plate, Armor, Right Front Skirt	1
4	PAOZZ	5310-00-080-6004	96906	MS27183-14	Washer	5
5	PAOZZ	5305-00-725-2317	80204	B1821BH038 C150N	Screw, Cap, Hexagon Head	9
6	PAOZZ	5305-00-071-2509	80204	B1821BH025 C150N	Screw, Cap, Hexagon Head	2
7	PAOZZ	5310-00-809-4058	96906	MS27183-10	Washer	4

The following is not yet illustrated.

	PAOZZ	5305-00-071-2505	80204	B1821BH025 C088N	Screw, Cap, Hexagon Head	2

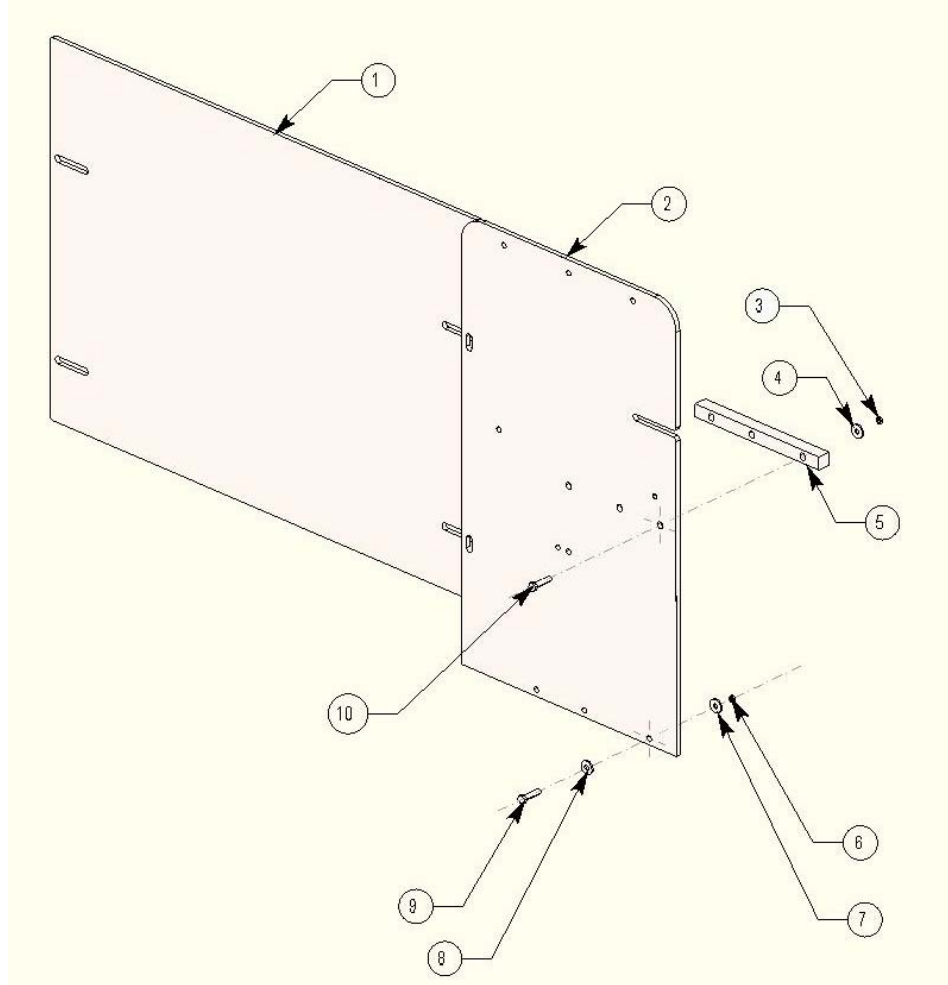


Figure 9: Rear Partition

Rear Partition

Item No.	SMR	NSN	CAGEC	PART NUMBER	DESCRIPTION	QTY
					FIG. 9 REAR PARTITION	
1	PBOZZ	9515-01-519-4158	19207	12475784	Rear Partition, Center	1
2	PBOZZ	9515-01-519-7687	19207	12475772	Rear Partition, Left & Right Side	2
3	PAOZZ	5310-01-527-9521	81349	M45913/1-8CG8Z	Nut, Self-Locking (4 Door Only)	6
4	PAOZZ	5310-00-809-5998	96906	MS 27183-18	Washer, Flat	6
5	PFOZZ	5365-01-519-4431	19207	12475773	Support, Rear Partition (4 Door Only)	2
6	PAOZZ	5310-01-516-3509	81349	M45913/1-6CG8Z	Nut, Self-Locking	6
7	PAOZZ	5310-00-080-6004	96906	MS 27183-14	Washer, Flat	6
8	PAOZZ	5310-00-080-6004	96906	MS 27183-14	Washer, Flat	6
9	PAOZZ	5305-00-846-5703	80204	B1821BH038 C300N	Screw, Hex-Head (4 Door Only)	6
9	PAOZZ	5305-00-725-2317	80204	B1821BH038 C150N	Screw, Hex-Head (2 Door Only)	6
10	PAOZZ	5305-00-071-2075	80204	B1821BH050 C300N	Screw, Hex-Head (4 Door Only)	6

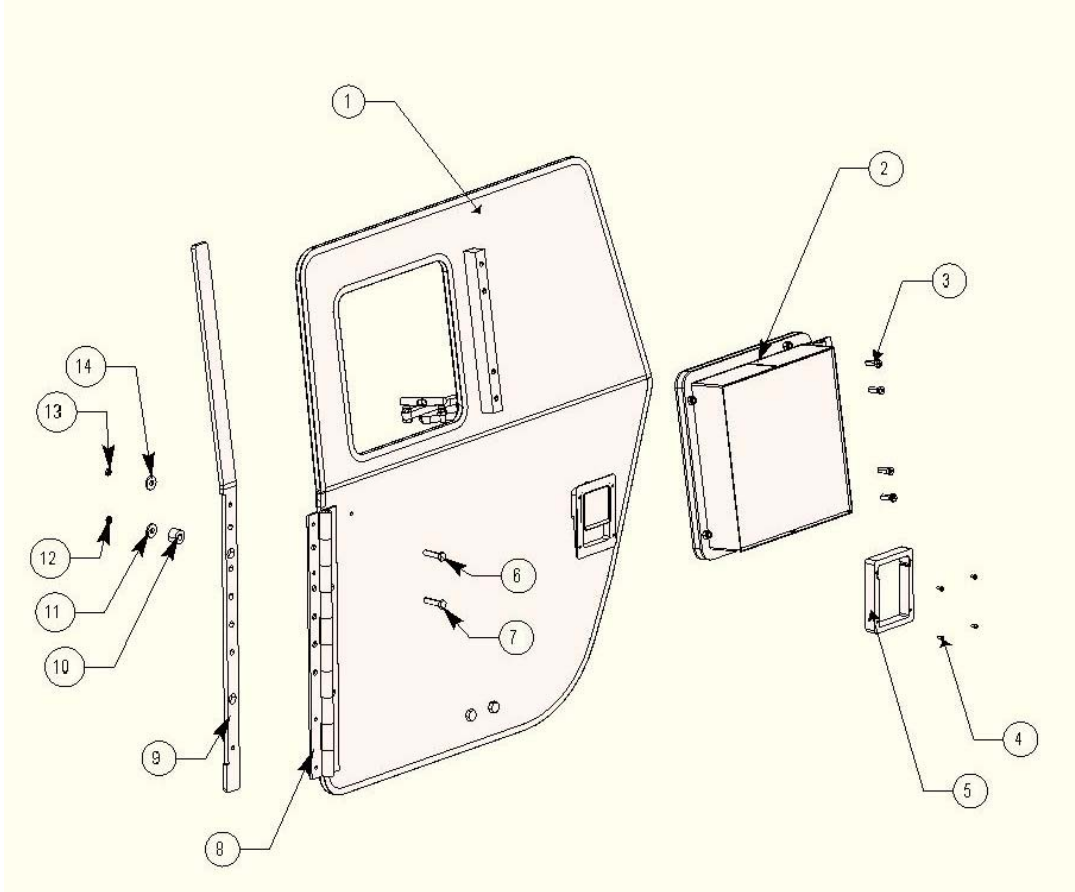


Figure 10: Rear Door Assembly

Rear Door Assembly

Item No.	SMR	NSN	CAGEC	PART NUMBER	DESCRIPTION	QTY
					FIG. 10 REAR DOOR ASSEMBLY	
1	PBOZZ	2510-01-519-8302	19207	12475782-1	Door Assemble, Left Rear	1
1	PBOZZ	2510-01-519-8304	19207	12475782-2	Door Assembly, Right Rear	1
2	PBOZZ	2510-01-521-7668	19207	12475780-1	Window Assembly, Left Side	1
2	PBOZZ	2510-01-521-7680	19207	12475780-2	Window Assembly, Right Side	1
3	PAOZZ	5305-01-520-6525	39428	92220A622	Screw, Window Retaining	4
4	PAOZZ	5305-00-984-6191	96906	MS35206-243	Screw, Door Handle Retaining	4
5	PAOZZ	5340-01-209-4870	19220	249	Handle, Door	1
6	PAOZZ	5305-00-071-2509	80204	B1821BH025 C150N	Screw, Hex-Head	2
7	PAOZZ	5305-00-638-8920	80204	B1821BH038 C225N	Screw, Hex-Head	5
8	PBOZZ	5340-01-521-3117	19207	12475758-1	Hinge, Door, Left Side	1
8	PBOZZ	5340-01-521-1405	19207	12475758-2	Hinge, Door, Right Side	1
9	PBOZZ	5340-01-519-7312	19207	12475777-1	Door Gap Plate, Left Hand	1
9	PBOZZ	5340-01-519-7876	19207	12475777-2	Door Gap Plate, Right Hand	1
10	PBOZZ	5365-01-520-3938	19207	12475771	Spacer, B-Pillar	5
11	PAOZZ	5310-00-080-6004	96906	MS 27183-14	Washer, Flat	5
12	PAOZZ	5310-00-935-9021	96906	MS 51943-35	Nut, Self-Locking	5
13	PAOZZ	5310-00-061-4650	96906	MS 51943-31	Nut, Self-Locking	4
14	PAOZZ	5310-00-809-4058	96906	MS 27183-10	Washer, Flat	4

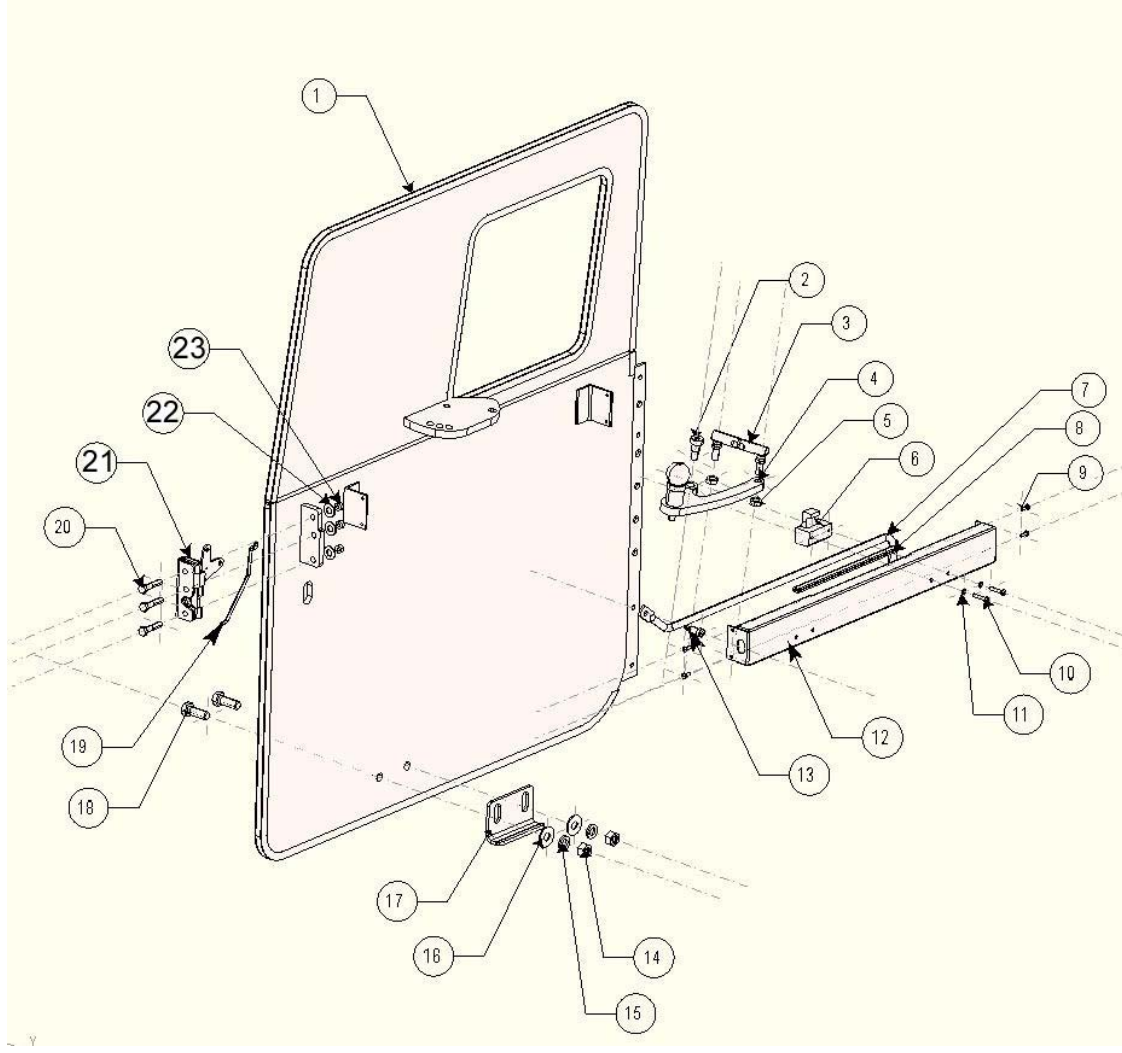


Figure 11: Front Door Assembly

Front Door Assembly

Item No.	SMR	NSN	CAGEC	PART NUMBER	DESCRIPTION	QTY
					FIG. 11 FRONT DOOR ASSEMBLY	
1	PAOZZ		57137	4375B3X3/8A	Trim, Door, and Window Edge	AR
2	PAOZZ	5305-01-256-0413	39428	91259A707	Screw	1
3	PAOZZ				Link, Window	1
*	PAOZZ	3040-01-277-5600	39428	6058K28	.Joint	2
*	PAOZZ	5307-01-519-7376	39428	95412A659	.Stud	1
4	PBOZZ	2540-01-521-7698	19207	12475783-1	Latch, Window Left	1
4	PBOZZ	2540-01-521-7703	19207	12475783-2	Latch, Window Right	1
5	PAOZZ		81349	M45913/1-6FG8Z	Nut	1
6	PFOZZ	2510-01-199-1499	19207	12339450	Guide, Door Rod	1
7	PAOZZ	5340-01-521-8225	19207	12475791	Bar, Latch	1
8	PAOZZ	2590-01-519-7840	19207	12339902-2	Protector, Edge	1
9	PAOZZ	5305-00-984-6193	96906	MS 35206-245	Screw	4
10	PAOZZ	5305-00-984-6214	80205	MS 35206-267	Screw, Machine	2
11	PAOZZ	5310-01-312-4959	96906	MS 27183-47	Washer	2
12	PAOZZ	5340-01-519-3555	19207	12339453	Bracket, Door Release	1
13	PAOZZ	5305-01-520-7225	39428	91259A580	Screw	1
14	PAOZZ	5310-00-761-3706	96906	MS 51967-15	Nut	2
15	PAOZZ	5310-00-933-8778	96906	MS 35338-143	Washer, Lock	2
16	PAOZZ	5310-00-809-5997	96906	MS 27183-17	Washer, Flat	2
17	PBOZZ	5340-01-521-1345	19207	12475765	Angle, Door Support	1
18	PAOZZ	5305-00-071-2061	80204	B1821BH050 C138N	Screw	2
19	PAOZZ	5340-01-521-7813	19207	12475789-1	Hook, Door Lock, Left	1
19	PAOZZ	5340-01-521-8215	19207	12475789-2	Hook, Door Lock, Right	1
20	PAOZZ	5306-00-226-4832	80204	B1821BH031 C175N	Screw Cap Hex Head	3
21	PAOZZ	2540-01-209-5036	19220	1-400-L	Lock Assembly, Left	1
21	PAOZZ	2540-01-210-2745	19220	1-400-R	Lock Assembly, Right	1
22	PAOZZ	5310-00-081-4219	96906	MS 27183-12	Washer	3
23	PAOZZ	5310-01-494-9745	81349	M45913/1-5CG8Z	Nut, Self Locking	3

RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS	Use Part II (reverse) for Repair Parts and Special Tools Lists (RPSTL) and Supply Catalogs/Supply Manuals SC/SM.	Date
For use of this form, see AR 25-30; the proponent agency is ODISC4.		
TO: (Forward to proponent of publication or form) (Include ZIP Code)		FROM: (Activity and location) (include ZIP code)

PART I – ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS

PUBLICATION/FORM NUMBER	DATE	TITLE
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ITEM	PAGE	PARA	LINE	FIGURE NO.	TABLE	RECOMMENDED CHANGES AND REASON
0052 00-4						Inspection Step 1 WP reference should be (WP 0003 00) <div style="text-align: center; font-size: 4em; opacity: 0.5;"> SAMPLE </div>

**Reference to line numbers within the paragraph or subparagraph.*

TYPED, GRADE OR TITLE	TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION	SIGNATURE
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TO: (Forward direct to addressee listed in publication)	FROM: (Activity and location) (Include Zip Code)	Date
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PART II – REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION NUMBER	DATE	Unit, Direct Support and General Support Maintenance Repair Parts and Special Tools List
--------------------	------	--

PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

PART III – REMARKS (Any general remarks, recommendations or suggestions for improvement of work forms. Additional blank sheets may be used if needed.)

SAMPLE

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TO: (<i>Forward to proponent of publication or form</i>) (<i>Include ZIP Code</i>)	FROM: (<i>Activity and location</i>) (<i>Include ZIP Code</i>)
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PART I - ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS

PUBLICATION/FORM NUMBER	DATE	TITLE
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ITEM	PAGE	PARA-	LINE	FIGURE NO.	TABLE	RECOMMENDED CHANGES AND REASON

** Reference to line numbers within the paragraph or subparagraph.*

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TO: <i>(Forward direct to addressee listed in publication)</i>	FROM: <i>(Activity and location) (Include ZIP Code)</i>	DATE
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PART II - REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION NUMBER			DATE	TITLE				
PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

PART III - REMARKS *(Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)*

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By Order of the Secretary of the Army:

Official:



SANDRA R. RILEY
*Administrative Assistant to the
Secretary of the Army*

0515101

PETER J. SCHOOMAKER
*General, United States Army
Chief of Staff*

Distribution: To be distributed in accordance with the Initial Distribution Number (IDN) 344818, requirements for TB 9-2510-251-24.

THE METRIC SYSTEM AND EQUIVALENTS

LINEAR MEASURE

- 1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
- 1 Meter = 100 Centimeters = 1,000 Millimeters = 39.37 Inches
- 1 Kilometer = 1,000 Meters = 0.621 Miles

SQUARE MEASURE

- 1 Sq Centimeter = 100 Sq Millimeters = 0.155 Sq Inches
- 1 Sq Meter = 10,000 Sq Centimeters = 10.76 Sq Feet
- 1 Sq Kilometer = 1,000,000 Sq Meters = 0.386 Sq Miles

CUBIC MEASURE

- 1 Cu Centimeter = 1,000 Cu Millimeters = 0.06 Cu Inches
- 1 Cu Meter = 1,000,000 Cu Centimeters = 35.31 Cu Feet

LIQUID MEASURE

- 1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
- 1 Liter = 1,000 Milliliters = 33.82 Fluid Ounces

TEMPERATURE

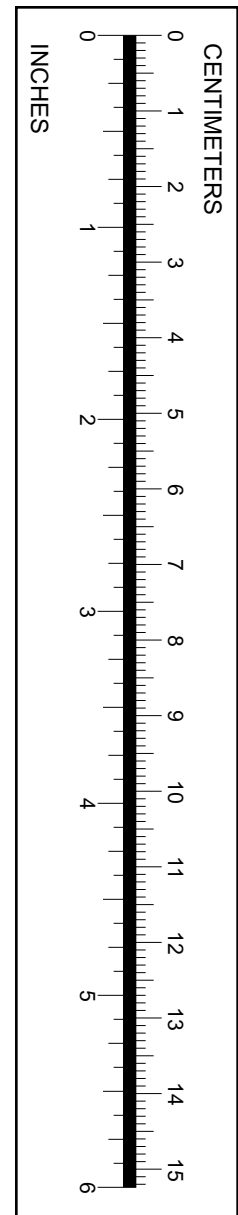
- Degrees Fahrenheit (F) = $^{\circ}\text{C} \cdot 9 \div 5 + 32$
- Degrees Celsius (C) = $\text{F}^{\circ} - 32 \cdot 5 \div 9$
- 212° Fahrenheit is equivalent to 100° Celsius
- 90° Fahrenheit is equivalent to 32.2° Celsius
- 32° Fahrenheit is equivalent to 0° Celsius

WEIGHTS

- 1 Gram = 0.001 Kilograms = 1,000 Milligrams = 0.035 Ounces
- 1 Kilogram = 1,000 Grams = 2.2 Lb
- 1 Metric Ton = 1,000 Kilograms = 1 Megagram = 1.1 Short Tons

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Millimeters	25.4
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
Pints	Liters	0.473
Quarts	Liters	0.946
Gallons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.4536
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds Per Square Inch	Kilopascals	6.895
Miles Per Gallon	Kilometers Per Liter	0.425
Miles Per Hour	Kilometers Per Hour	1.609
TO CHANGE		
Millimeters	Inches	0.03937
Centimeters	Inches	0.3937
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
Liters	Gallons	0.264
Grams	Ounces	0.035
Kilograms	Pounds	2.2046
Metric Tons	Short Tons	1.102
Newton-Meters	Pound-Feet	0.738
Kilopascals	Pounds Per Square Inch	0.145
Kilometers Per Liter	Miles Per Gallon	2.354
Kilometers Per Hour	Miles Per Hour	0.621



PIN: 082514-000