

INSTALLATION MANUAL

AIRSTREAM SERVICE PLATFORM FOR S AND LS-SERIES DRYERS

PNEG-205



GRAIN SYSTEMS,
INCORPORATED
ASSUMPTION, IL 62510 217/226-4421

S & LS-SERIES DRYERS by AIRSTREAM

The service platform unit is designed for use with AIRSTREAM S AND LS-Series dryers. The 2 module models require the service platform on the upper module, whereas the 3 module units use a platform for both the upper and center modules.

For ease of assembly, the platform should be fully installed before the module is lifted and installed.

1. Install the platform support channels and related parts within the platform package # 1 as follows:

- A. If required, connect a platform attachment bracket (No. 1, Fig. 1, D61-0054) onto each side of the dryer as shown. Using the existing large bolts through the round set of bracket holes.
- B. Loosely connect the two rear anchor channels (No. 2, Fig. 1, D61-0055) to the platform, attach brackets using 3/8" x 1" bolts with washers.
- C. Position the rear angle tie (No. 3, Fig. 1, D61-0051) as shown and connect it onto the rear anchor channels using 5/16" x 1" carriage head bolts.

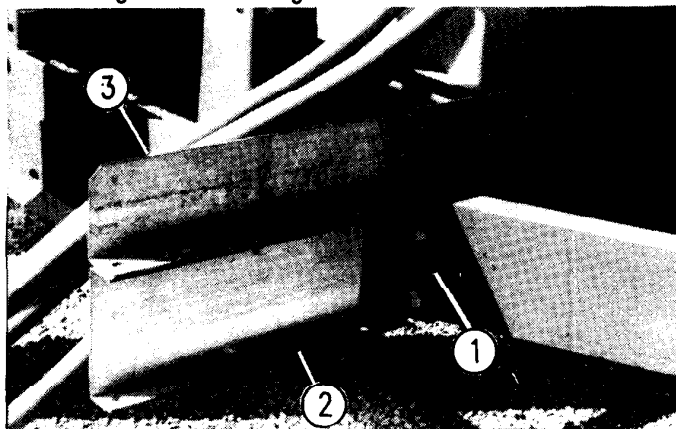


FIG. 1 - CONNECTING REAR ANCHOR CHANNEL AND REAR ANGLE TIE.

1. Platform Attach Bracket
2. Rear Anchor Channel
3. Rear Angle Tie.

- D. Remove hitch tongue from dryer and support the front end of the dryer under the frame side rails.
- E. Loosely connect the main support channel (No. 1, Fig. 2, D61-0059) to the front end of the dryer hitch weldment as shown in Fig. 2. Use four 1/2" x 1 1/2" bolts with washers

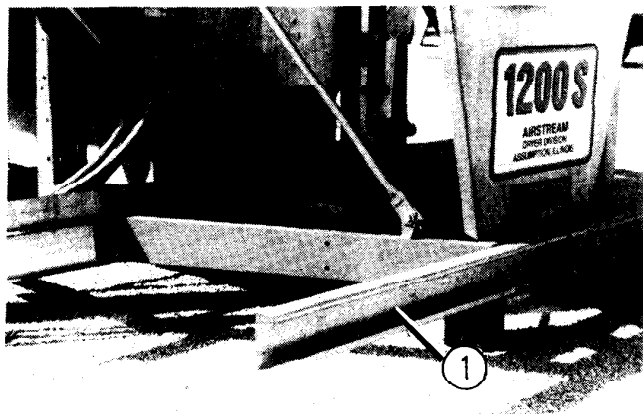


FIG. 2 - MAIN SUPPORT CHANNEL INSTALLATION

1. Main Support Channel

on slotted side. **THE CHANNEL SIDE WITH THE LARGE ROUND HOLES MUST BE UP.**

- F. Position the left-hand side channel (No. 1, Fig. 3, D61-0058) and the right-hand side channel (No. 3, Fig. 3, Part No. D61-0057) so the sides with the dimpled holes are UP and connect them to the rear anchor channels and the main support channel. Use the special 5/16" dia. flat-head allen capscrews to secure the TOP SIDE of the two side channels. Use 5/16" x 3/4" bolts at the bottom side.
- G. Position the front channel (No. 2, Fig. 3, D61-0061) so the side with the large holes is up and connect it to the two side channels as shown in Fig. 3. Use flat-head allen capscrews to secure the top side.
- H. Use two flat-head allen capscrews and connect the center floor support (No. 4, Fig. 4, D61-0062) to the front and main support channels.
- I. Use a carpenter square and check the squareness of the assembled unit, between the main channel and the side channels.

If required, shift the position of the main channel slightly (using its slotted attaching holes) until the unit is properly squared. **THEN FULLY TIGHTEN ALL CHANNEL BOLTS.**

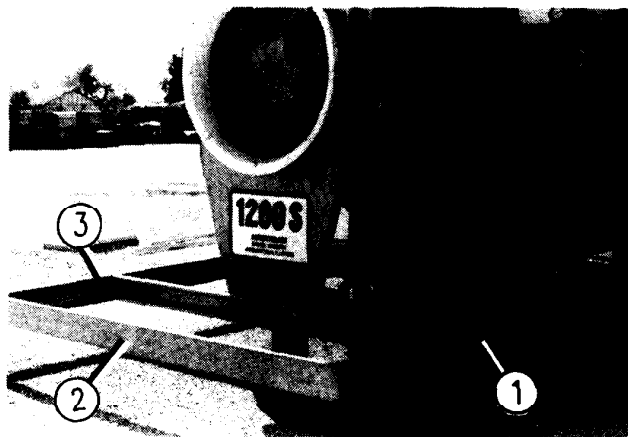


FIG. 3 - CONNECTING SIDE AND FRONT CHANNELS

1. Left-Hand Side Channel
2. Front Channel
3. Right-Hand Side Channel

2. Install the various floor support angles as follows:

- A. Use two flat-head allen capscrews and connect the right-hand floor support angle (No. 1, Fig. 4, D61-0050) to the rear angle tie and main support channel.
- B. Use a flat-head allen capscrew and connect the rear left-hand floor support angle (No. 1, Fig. 5, Part No. D61-0052) to the rear angle tie.
- C. Connect the access door rear frame (No. 2, Fig. 5, D61-0091) between the support angle and the left-hand side channel as shown in Fig. 5.
- D. Connect the front left-hand support angle (No. 3, Fig. 5, D61-0053) as described below:

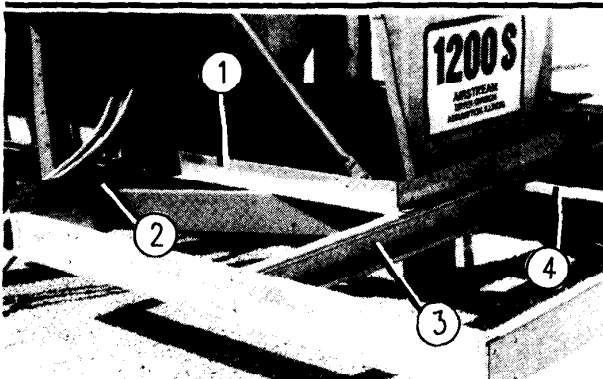


FIG. 4 - CONNECTING RIGHT-HAND FLOOR SUPPORT ANGLE

1. Right-Hand Floor Support Angle
2. Rear Angle Tie
3. Main Support Channel
4. Center Floor Support

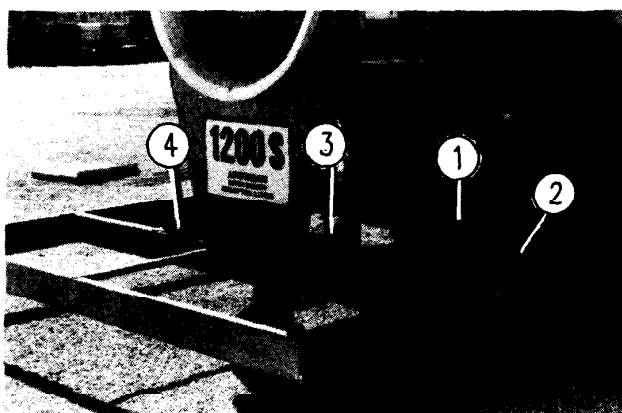


FIG. 5 - CONNECTING LEFT-HAND FLOOR SUPPORT ANGLES AND ACCESS DOOR REAR FRAME.

1. Rear Left-Hand Floor Support Angle
2. Access door Rear Frame
3. Front Left-Hand Floor Support Angle
4. Inner Front Toe Board

Connect to the main channel and inner front toe board using one flat-head allen capscrew and two 5/16" x 3/4" bolts with nuts and washers.

- E. Connect the inner front toe board (No. 4, Fig. 5, D61-0049) as shown.

3. Install inner guard rail supports and related parts within Platform Package # 2 as follows:

- A. Connect the right-hand front inner guard rail support channel (No. 1, Fig. 6, D61-0040) and the right-hand rear inner

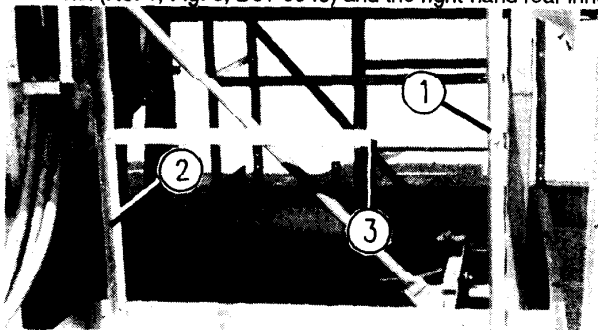


FIG. 6 - INSTALLING INNER RIGHT-HAND GUARD RAIL AND SUPPORTS.

1. Right-Hand Front Inner Guard Rail Support Angle
2. Right-Hand Rear Inner Guard Rail Support Angle
3. Lower Inner Guard Rail Angle

guard rail support angle (No. 2, Fig. 6, D61-0036) as shown in Fig. 6. Use 5/16" x 3/4" bolts.

- B. Use 5/16" x 3/4 bolts and connect the left-hand inner guard rail support angle (No. 1, Fig. 7, D61-0035) as shown.

- C. Connect a lower inner guard rail angle (No. 2, Fig. 7, D61-0039) on each side as shown in Fig. 6 and Fig. 7.

4. Install outer guard rail support channels, door hinge channel and floor panels contained within Platform Package 2 and 3 as follows:

- A. Use 5/16" x 3/4" bolts and LOOSELY connect the seven guard rail support channels (No.3, Fig. 7, D61-0037) to the platform support channels.

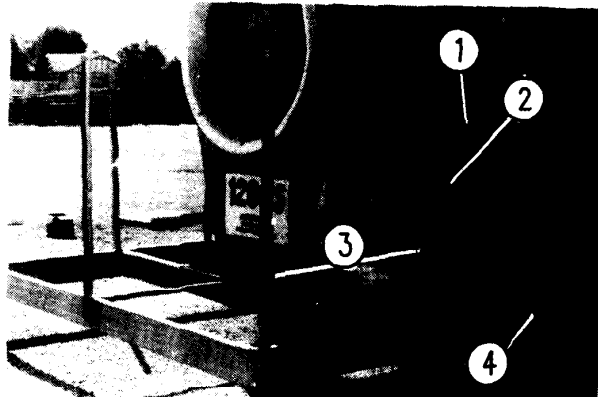


FIG. 7 - INSTALLING INNER LEFT-HAND AND OUTER GUARD RAIL SUPPORTS.

1. Left-Hand Inner Guard Rail Support Angle
2. Lower Inner Guard Rail Angle
3. Outer Guard Rail Support Channels
4. Outer Door Hinge Channel

- B. Connect the outer door hinge channel (No. 4 Fig. 7, D61-0066) using 5/16" x 3/4" bolts.

- C. Place the short wide floor panels (No. 1 Fig. 8, D61-0075) on the left-hand side of the platform, at the rear as shown in Fig. 8.

- D. Place the four short floor panels (No. 2, Fig. 8, D61-0068) on the right-hand side, at the rear.

- E. Place the three long floor panels (No. 3, Fig. 8, D61-0069) across the front end of the platform as shown.

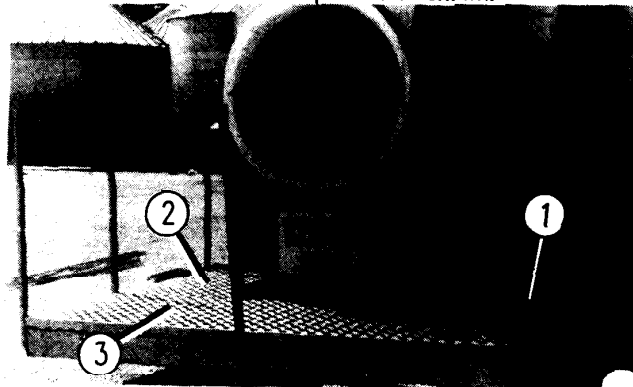


FIG. 8 - INSTALLING FLOOR PANELS.

1. Floor Panels - Left-Hand Rear (1)
2. Floor Panels - Right-Hand Rear (4)
3. Floor Panels - Front Sections (3)

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5. Use 5/16" x 3/4" bolts and install the platform floor toe board angles as follows:

NOTE: Several of the following steps mention the installation of two toe boards. Where two toe boards are listed, the bottom toe board must be positioned to capture the floor panels, whereas the additional upper toe board acts as a narrow foot rail to provide added safety protection.

When connecting upper toe boards, install bolts so the head ends are located within the platform.

- A. Connect two left-hand outer rear toe boards (No. 2 Fig. 9, D61-0045) as shown in Fig. 9.
- B. Connect the left-hand inner rear toe board (No. 1, Fig. 9, D61-0046) as shown.
- C. Connect two left-hand front toe boards (No. 3, Fig. 9, D61-0044) as shown.

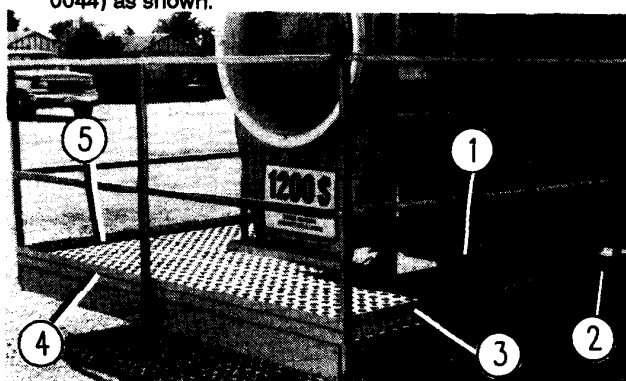


FIG. 9 - PLATFORM TOE BOARD ANGLES.

1. Left-Hand Inner Rear Toe Boards
2. Left-Hand Outer Rear Toe Boards
3. Left-Hand Front Toe Boards
4. Outer Front Toe Boards
5. Right-Hand Outer Toe Boards

- D. Connect two right-hand outer toe boards (No. 5, Fig. 9, D61-0042) as shown.
- E. Connect two outer front toe boards (No. 4, Fig. 9, D61-0043).
- F. Connect the right-hand inner toe board (No. 5, Fig. 10, D61-0047) as shown in Fig. 10.

6. Use 5/16" x 3/4" bolts and install platform guards rails within Platform Package 4 as follows:

NOTE: Guard rails should be installed so that the smooth rail surfaces and bolt heads are within the compartment, to provide maximum body protection from corners and angle edges.

- A. Connect the upper side guard rail (No. 1, Fig. 10, D61-0029) onto each side as shown in Fig. 10.
- B. Connect the upper front guard rail (No. 6, Fig. 10, D61-0030) as shown.
- C. Connect two rear guard rails (No. 2, Fig. 10, D61-0031) onto each rear side of platform as shown.
- D. Connect two lower front guard rails (No. 7, Fig. 10, D61-0032) as shown.
- E. Connect the lower front side guard rail (No. 4, Fig. 10, D61-0033) and the lower rear side guard rail (No. 3, Fig. 10, D61-0034) onto each side of platform.
Connect the access door clip (No. 8 Fig 10, D61-0144) on the left side of the platform as shown.

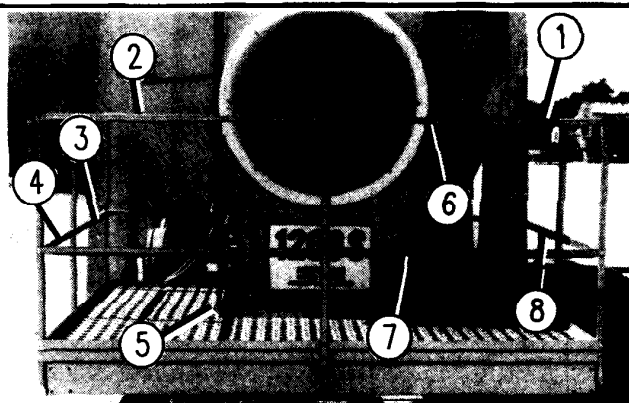


FIG. 10 - TOE BOARD ANGLES AND GUARD RAIL PARTS

1. Upper Side Guard Rails
2. Rear Guard Rails
3. Lower Rear Side Guard Rail
4. Lower Front Side Guard Rail
5. Right-Hand Inner Toe Board
6. Upper Front Guard Rail
7. Lower Front Guard Rails
8. Access Door Clip

- F. Fully tighten all guard rail bolts, including the seven guard rail support channels (No. 3, Fig. 7, D61-0037) which were not tightened earlier.

7. Install the platform access door and its related parts as follows:

- A. Install access door (D61-0074) in place with the hinge ends located outward.
- B. Use two 3/8 x 1 1/2" bolts as hinge pins and install them with the heads positioned inward.
- C. Secure each hinge pin in place by installing nuts on each side of the outer channel leg as shown. Adjust the position of the hinge pins as required, to center the door properly, then tighten nuts securely to lock pins in place.

8. Inspect the completed service platform unit. **MAKE SURE ALL PARTS ARE PROPERLY INSTALLED AND FULLY TIGHTENED.**

SERVICE PLATFORM PARTS

FIG 11

PACKAGE 1

PLATFORM SUPPORT CHANNELS AND FLOOR SUPPORT ANGLES

ITEM	PART NUMBER	DESCRIPTION	QTY PER PLATFORM
1	D61-0055	REAR ANCHOR CHANNELS	2
2	D61-0051	REAR ANGLE TIE	1
3	D61-0059	MAIN SUPPORT CHANNEL	1
4	D61-0058	LEFT-HAND SIDE CHANNEL (82" LONG)	1
5	D61-0057	RIGHT-HAND SIDE CHANNEL (82" LONG)	1
6	D61-0061	FRONT CHANNEL (102" LONG)	1
7	D61-0062	CENTER FLOOR SUPPORT	1
8	D61-0050	RIGHT-HAND FLOOR SUPPORT ANGLE (48" LONG)	1
9	D61-0052	REAR LEFT-HAND SUPPORT ANGLE (20" LONG)	1
10	D61-0091	ACCESS DOOR FRAME	1
11	D61-0053	FRONT LEFT-HAND SUPPORT ANGLE	1
12	D61-0049	INNER FRONT TOE BOARD	1

FIG. 12

PACKAGE 2

INNER AND OUTER GUARD RAIL SUPPORTS

1	D61-0035	LEFT-HAND INNER GUARD RAIL SUPPORT ANGLE (44" LONG)	1
2	D61-0040	RIGHT-HAND FRONT INNER GUARD TAIL SUPPORT ANGLE (44.5" LONG)	1
3	D61-0036	RIGHT-HAND REAR INNER GUARD RAIL SUPPORT ANGLE (44" LONG)	1
4	D61-0037	OUTER GUARD RAIL SUPPORT CHANNELS (50.5" LONG)	7
5	D61-0066	OUTER DOOR HINGE CHANNEL (9" LONG)	1

FIG. 13

PACKAGE 3

FLOOR PANELS AND FLOOR TOE BOARD ANGLES

1	D61-0075	FLOOR PANELS - LEFT-HAND REAR	1
2	D61-0068	FLOOR PANELS - RIGHT-HAND REAR	4
3	D61-0069	FLOOR PANELS - FRONT SECTION	3
4	D61-0045	LEFT-HAND OUTER REAR TOE BOARDS (15" LONG)	2
5	D61-0046	LEFT-HAND INNER REAR TOE BOARDS	1
6	D61-0044	RIGHT-HAND FRONT TOE BOARDS (35.5" LONG)	2
7	D61-0042	RIGHT-HAND OUTER TOE BOARD (82" LONG)	2
8	D61-0047	RIGHT-HAND INNER TOE BOARD (34" LONG)	1
9	D61-0043	OUTER FRONT TOE BOARDS (105.25" LONG)	2
10	D61-0074	ACCESS DOOR	1

FIG. 14

PACKAGE 4

OUTER GUARD RAILS AND ACCESS DOOR PARTS

1	D61-0029	UPPER SIDE GUARD RAILS (80 7/8" LONG)	2
2	D61-0030	UPPER FRONT GUARD RAIL (105 3/16" LONG)	1
3	D61-0031	REAR GUARD RAILS (31 1/4" LONG)	4
4	D61-0032	LOWER FRONT SIDE GUARD RAILS (53 1/8" LONG)	2
5	D61-0033	LOWER FRONT SIDE GUARD RAILS (35 1/4" LONG)	2
6	D61-0034	LOWER REAR SIDE GUARD RAILS (46 1/2" LONG)	2
7	D61-0039	LOWER INNER GUARD RAIL ANGLE (39.5" LONG)	2

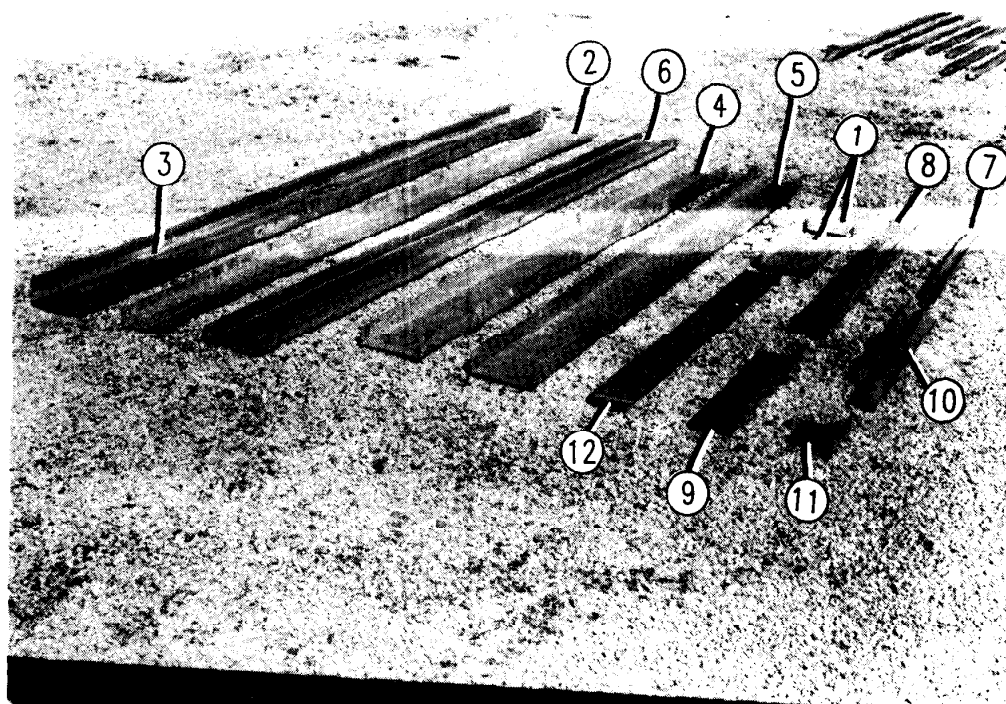


FIG. 11 PACKAGE 1

PLATFORM SUPPORT CHANNELS AND
FLOOR SUPPORT ANGLES

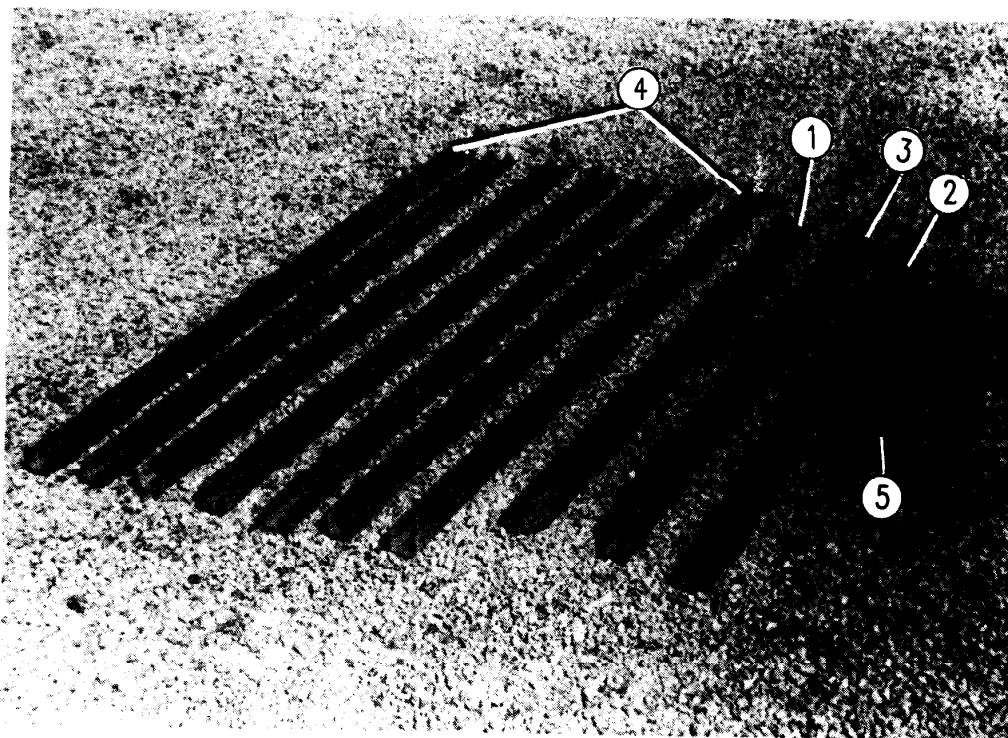


FIG. 12 PACKAGE 2

INNER AND OUTER GUARD RAIL SUPPORT PARTS

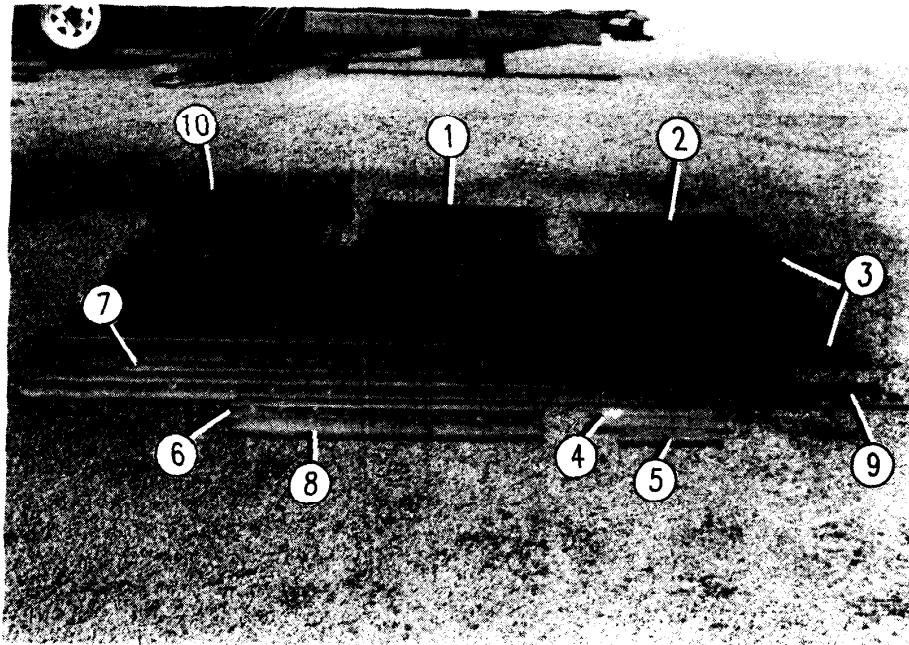


FIGURE 13 PACKAGE 3
FLOOR PANELS AND FLOOR TOE BOARD
ANGLES

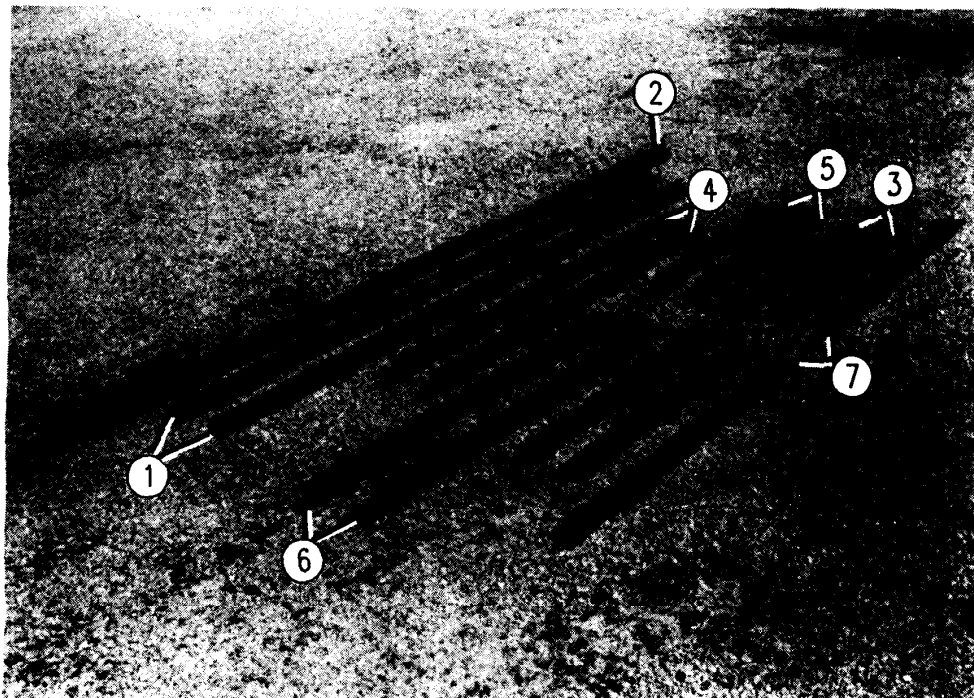


FIG. 14 PACKAGE 4
OUTER GUARD RAILS AND ACCESS DOOR PARTS

