

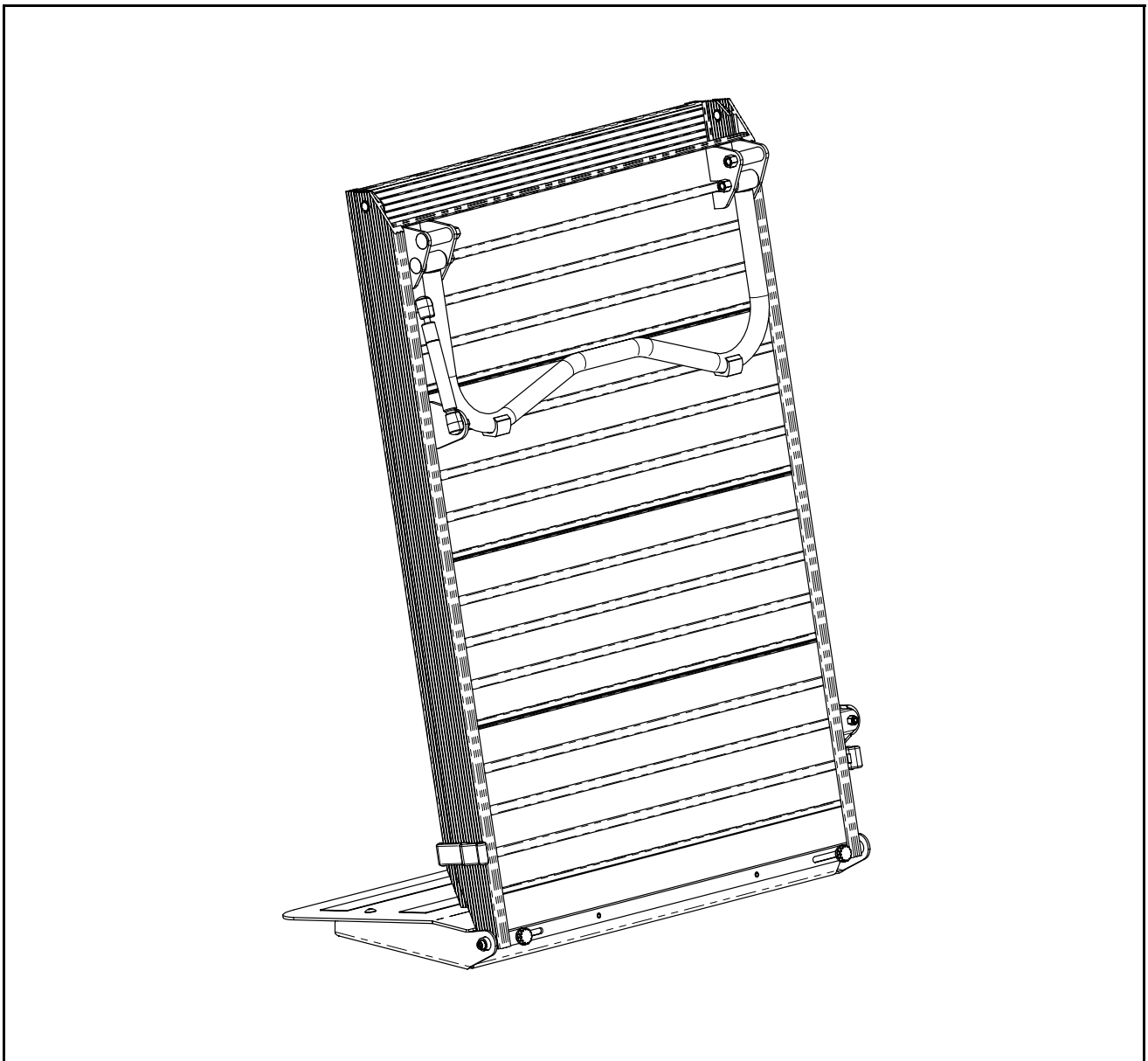


VAN MOUNT RAMP

MINIVAN SIDE DOOR

INSTALLATION AND OPERATION INSTRUCTIONS

Maximum weight limitation is 800 pounds



INSTALLATION INSTRUCTIONS

IMPORTANT: Read the entire instruction manual before attempting installation and/or ramp usage. Review the **Parts List** on Page 4 to become familiar with the different components. Be sure all items are included before beginning assembly.

EVALUATING YOUR VAN

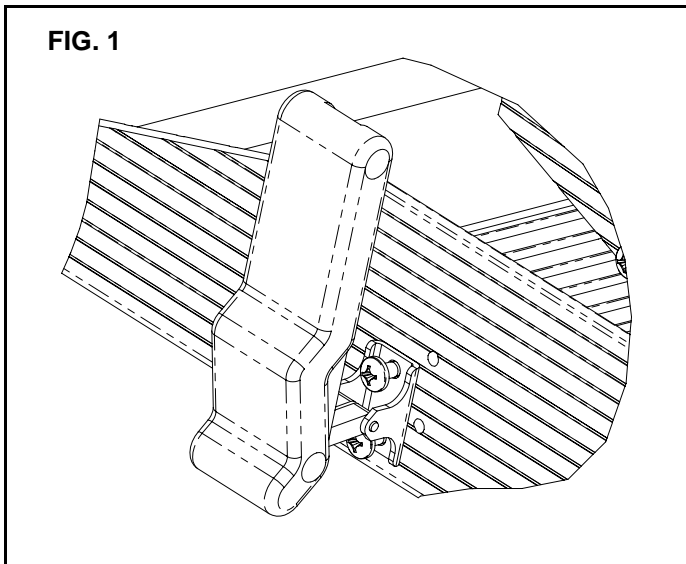
IMPORTANT: Installation of the ramp will vary slightly depending on what model vehicle you have. This ramp is specifically designed to fit the vans listed below. **NOTE:** If your van is not listed, you will need to carefully evaluate your vehicle to ensure that the ramp can be installed safely using our mounting plate before attempting installation.

(See following instructions for installation details.)

- 1997 and newer extended versions of the Chevrolet Venture, Oldsmobile Silhouette, and Pontiac Montana.
- 1996 and newer Chrysler Town & Country, Dodge Grand Caravan, and Plymouth Grand Voyager.
- 1999 and newer Ford Windstar, 2004 and newer Ford Freestar.

PREPARING AND INSTALLING YOUR RAMP AND MOUNT PLATES

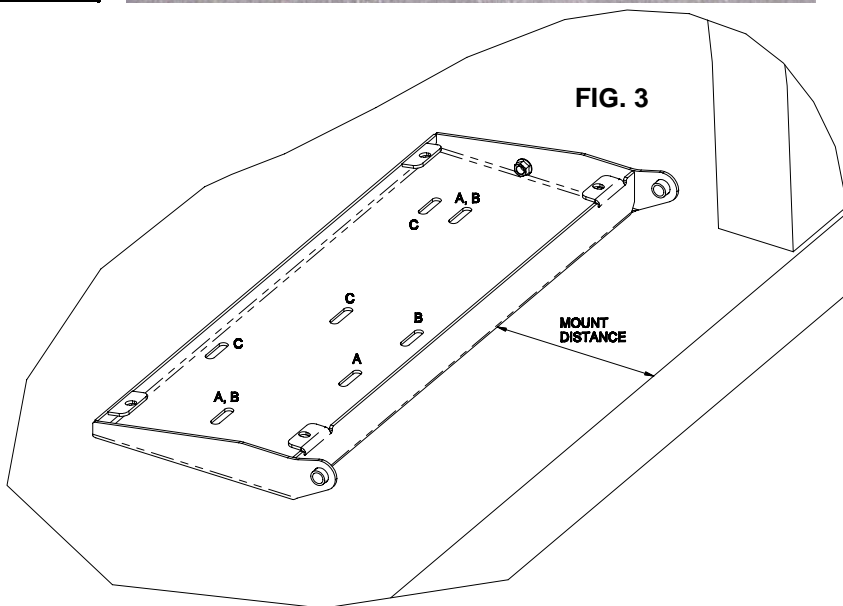
A. To begin, remove the four Phillips screws and the top ramp plate (Items #7 and #33) from the bottom mount plate (Item #37) and set them aside. The mounting hardware, rubber draw latches, and the side latch bracket are stored between the top and bottom plates for shipping purposes. Fasten the two rubber draw latches (Item #22) to the ramp as shown in **Fig. 1** using two small Phillips screws per side (Item #26).



B. Next, prepare to install the mount plates in the van. Attach the side latch bracket (Item #32) to the bottom mount plate (Item #37) as shown in **Fig. 2** using the two provided fasteners (Item #5). The final position can be adjusted at a later time.

C. The bottom mount plate (Item #37) mounts to the floor using three fasteners. Each van model has a unique combination of mounting slots which have been positioned to avoid interference under the van floor. Identify the correct slots for your van model (See **Fig. 3** for details of slot locations).

- **GM Vans** — Use “A” slots
- **Ford Windstar & Freestar Vans** — Use “B” slots
- **Chrysler Vans** — Use “C” slots



- D. Roughly position the bottom mount plate (Item #37) in the door opening (passenger sliding door). The approximate "Mount Distance" (see **Fig. 3**) from the edge of the mount plate to the outer edge of the van's plastic floor trim for each model is as follows:
- **GM Vans — 2½"**
 - **Ford Windstar & Freestar — 4"**
 - **Chrysler Vans — 2¾"**
- The fore/aft position is most easily determined by attaching the ramp section to the mount plate (see Ramp Storage section under **Operation Instructions**) and adjusting its position so that the ramp will fold in and out without interfering with the van and/or van door. Once the ramp and bottom mount plate are positioned correctly, use a marker or pen to mark the appropriate bottom mount plate slots onto the van floor.
- E. **IMPORTANT: VERIFY THAT THERE IS NO INTERFERENCE WITH IMPORTANT VAN COMPONENTS BEFORE DRILLING.** Next, drill a 3/8" hole (drill completely through carpet and van floor) in the center of each of the 3 marked slots on the van floor. Drilling in the center of the slots will allow for slight adjustment if necessary.
- F. The GM vans use three 3/8 x 2½" bolts (Item #4) to mount the bottom plate. The Ford and Chrysler vans use three 3/8 x 2" bolts (Item #3). Reposition the bottom mount plate in the van. Insert the correct bolts using the provided flat washers (Item #13) from the top side, then assemble the large fender washers, small flat washers, and locking nuts (Items #16, #13, and #11) under the van floor. Tighten to firmly secure the bottom mount plate.
- G. Re-attach the ramp and verify smooth operation and clearance with the van door open and closed. The bottom plate and the side latch bracket can be adjusted at this time if necessary.
- H. Re-install the top ramp plate (Item #33) using the four Phillips screws (Item #7).

OPERATION INSTRUCTIONS

SAFETY:

- This ramp is 6½-feet long and the incline/decline will vary depending on the height of your van floor. It is important that you refer to your equipment's (wheelchair or scooter) Owner Guide for the proper degree of incline/decline and chair direction before attempting ramp use. **Never exceed its recommendations.**
- **Do not exceed the 800 pound weight capacity.**
- **Use only with a qualified helper.**
- **Always use your lap belt.**

RAMP STORAGE: The ramp may be removed from the bottom mount plate for storage if necessary by pushing in the two plastic fluted knobs (Item #28) located underneath the ramp while simultaneously pulling the ramp section away from the mount plate. To reinstall, center the ramp on the mount plate and depress the plastic fluted knobs. When aligned, release the plastic fluted knobs (Item #28) and ensure that the hinge pins (Item #31) are secure in mount plate holes. (**NOTE:** This may require two people, one on each side of the ramp.)

MAINTENANCE: For safety purposes, it is important that you periodically evaluate your ramp to ensure that all hardware and components are in proper working order. Tighten or replace loose and worn parts and be sure to provide basic cleaning and maintenance. Lubricate the hinge and pin areas as needed to reduce stiffness and noise. **Do not lubricate the ramp holders** (Items #17 and 18).

TO UNFOLD:

- Open the van door
- Fold the support leg out.
- Pull the ramp from its upright position and lower it to the ground.
- Unlatch the rubber draw latches on each side of the ramp.
- Fold the bottom ramp section out and lower it to the ground.

TO FOLD:

- Fold the bottom ramp section up and rest it on the top section.
- Latch the rubber draw latches on each side of the ramp.
- Lift the ramp to the upright storage position, making sure the latch snaps into place.
- Fold the support leg down.

**FOR QUESTIONS OR COMMENTS,
PLEASE CALL 1-800-451-1903**

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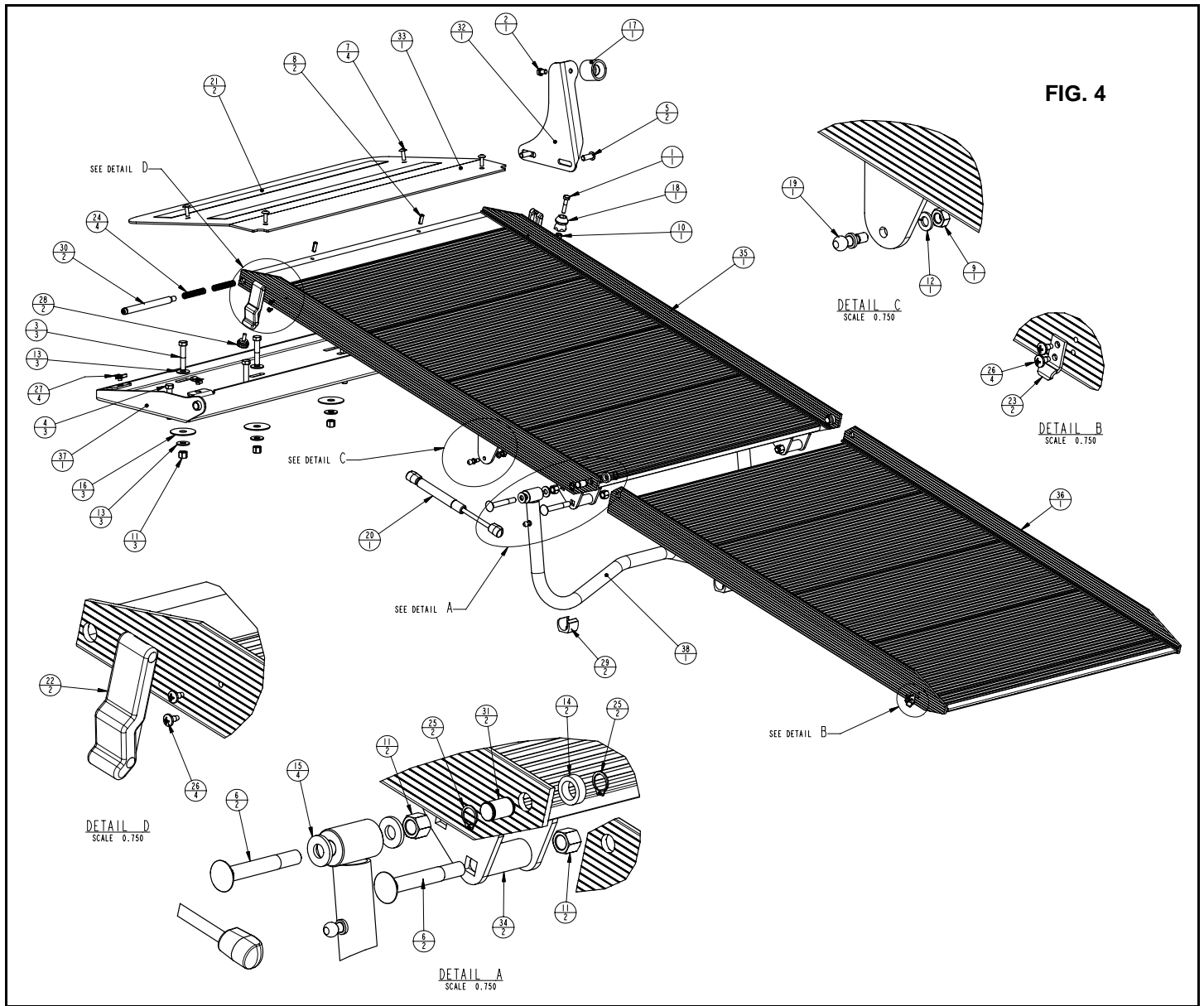


FIG. 4

PARTS LIST

ITEM	PART #	PART DESCRIPTION	QTY.	ITEM	PART #	PART DESCRIPTION	QTY.
1	1401-0810	1/4 X 1 1/4 UNC HEX CAP SCR (GR 5)	1	20	1500-0903	SPRING-GAS	1
2	1401-1004	5/16 X 1/2 UNC HEX CAP SCR (GR 5)	1	21	1500-0905	TAPE, NON-SLIP, 24"	2
3	1401-1216	3/8 X 2 UNC HEX CAP SCR (GR 5)	3	22	1500-0910	DRAW LATCH	2
4	1401-1220	3/8 X 2 1/2 UNC HEX CAP SCR (GR 5)	3	23	1500-0911	KEEPER-DRAW LATCH, CONCEALED	2
5	142A-1208	3/8-16 SOCKET BUTTON HEAD CAP SCREW	2	24	1501-0001	COMPRESSION SPRING	4
6	1435-1222	3/8 X 2.75 UNC RND HD SQ NK BOLT (GR 5)	4	25	1503-1607	TRUARC SNAP RING (1/2 EXTERNAL)	4
7	144C-0806	1/4 X 3/4 UNC TRUSS HD PH MACH SCR, SS	4	26	1506-0052	8 X 5/16 TYPE B PAN HEAD TAPPING SCREW	8
8	1450-0806	ROLL PIN, 1/4 X 3/4, PLAIN FINISH	2	27	1506-0411	U-NUT, 1/4-20	4
9	1470-0800	1/4 UNC HEX NUT (GR B)	1	28	1507-0209	PLASTIC FLUTED KNOB, 1/4-20 X 9/16	2
10	1478-0800	1/4 UNC HEX NYLOCK NUT (GR B)	1	29	1507-0459	LEG SLED GLIDE	2
11	1478-1200	3/8 UNC HEX NYLOCK NUT (GR B)	7	30	7000-0034	BOLT-HINGE ARM	2
12	1485-0800	1/4 LOCK WASHER	1	31	7000-0043	PIN-HINGE	2
13	1487-1200	3/8 TYPE A PLAIN WASHER	6	32	7853-0001	BRACKET-LATCH, RAMP	1
14	1491-6404	WASHER-NYLON	2	33	7853-0002	PLATE-RAMP	1
15	1491-6405	WASHER-NYLON	4	34	7853-0020	BUSHING-STOP, LEG	2
16	1491-6406	WASHER-FLAT FENDER, 1/2 X 2	3	35	7853-1001	RAMP-UPPER	1
17	1500-0003	RAMP HOLDER, FEMALE END	1	36	7853-1002	RAMP-LOWER	1
18	1500-0004	RAMP HOLDER, MALE END	1	37	7853-1003	MOUNT-PLATE, VAN	1
19	1500-0224	BALL-PIVOT, THREADED	1	38	7853-1004	LEG-RAMP	1