

INSTALLATION INSTRUCTIONS AND PARTS LIST

FOR MOUNTING 400745 GRIP STEPS
2007 AND NEWER SPRINTER VANS

DRIVER SIDE INSTALLATION

1. ON THE BACK SIDE OF THE DRIVERS SIDE ROCKER PANEL, REMOVE THE SECOND BODY PLUG (**NOTE: YOU MAY NEED TO SCRAPE OFF SOME UNDERCOATING TO GET TO BODY PLUG**) AND DRILL A 7/16" HOLE 1/2" TO THE RIGHT SIDE OF THE BODY PLUG HOLE AND INSERT A PAL-NUT (ITEM #10) AS SHOWN IN FIG 2. (**NOTE: IF VEHICLE HAS REAR A/C, DRILLING A 7/32" HOLE IS REQUIRED FOR FRONT BRACKET ON DRIVER SIDE AND USE OF CENTER HOLE IN BRACKET AND SELF-TAPPING SCREW ITEM #9**). [SEE FIG 1.]
2. HOLD BRACKET (ITEM #1) UP SO THAT THE TOP HOLE IN BRACKET LINES UP WITH THE PAL-NUT HOLE AND INSERT A 5/16" WASHER AND 5/16"-18 X 1" SCREW (ITEMS #6 & 7) FINGER TIGHT.
3. WITH THE FRONT BRACKET TIGHT TO THE ROCKER PANEL MARK A HOLE IN PINCH WELD AREA THROUGH SECOND HOLE IN BRACKET AND DRILL 7/16" HOLE IN CENTER OF THE PINCH WELD.
4. INSERT 1-3/8" SPACER (ITEM #4) BETWEEN BRACKET AND PINCH WELD AND SLIDE A 2 3/4" BOLT AND 3/8" WASHER (ITEMS #5 & 8) FROM OUTSIDE IN THROUGH THE PINCH WELD, SPACER AND BRACKET. THEN PLACE THE 3/8"-16 NUT AND 3/8" WASHER (ITEMS #11 & 8) ON THE BOLT FINGER TIGHT.
5. FOR THE SECOND BRACKET MEASURE THE HEIGHT OF THE FIRST HOLE DRILLED FOR THE FRONT BRACKET. MARK TOP HOLE ON THE REAR LOCATION ABOUT 1" FROM THE FRONT OF THE BODY BRACE ON ROCKER PANEL, LEAVE ENOUGH ROOM FOR BRACKET TO MOUNT STRAIGHT UP AND DOWN. DRILL A 7/32" HOLE IN THAT LOCATION AND USE SELF-TAPPING SCREW, AND WASHER (ITEMS #9 & 7) TO HOLD BRACKET TO ROCKER PANEL. REPEAT STEPS 3 & 4 FOR BOTTOM MOUNTING HOLE. ADJUST BRACKETS SO THEY ARE THE SAME DISTANCE FROM THE PINCH WELD, AND TIGHTEN ALL 3/8" FASTENERS TO 33 LB FT. AND ALL 5/16" FASTENERS TO 19 LB FT.
6. FOR THE REAR TWO BRACKETS MEASURE FROM THE BACKSIDE OF THE FRONT MUD FLAP AT THE BOTTOM OF THE PINCH WELD BACK TO **49" & 84"** AND PLACE A MARK ON THE PINCH WELD AT BOTH OF THESE LOCATIONS, DRILL A 7/16" HOLE IN BOTH OF THESE LOCATIONS CENTERED VERTICALLY ON THE PINCH WELD. FOR THE TOP HOLE FOR EACH BRACKET REFER TO THE MEASUREMENT YOU USED IN STEP 5 AND DRILL A 7/32" HOLE IN BOTH LOCATIONS, (**NOTE: BE SURE YOU HAVE THE TOP HOLE INLINE WITH THE LOWER HOLE VERTICALLY SO YOUR BRACKET WILL BE STRAIGHT UP AND DOWN**).
- 6.1 (**NOTE: BEFORE INSTALLING BRACKETS YOU MAY NEED TO SCRAPE THE UNDER COATING OFF THE ROCKER PANEL WHERE THE BRACKET IS GOING TO BE SO THAT THERE IS A SMOOTH SURFACE**) INSTALL BRACKETS USING 3/8-16 X 2-3/4" BOLT, 3/8" FLAT WASHER, 1-3/8" SPACER, & 3/8-16 SERRATED FLANGE NUT, (ITEMS #5, 8, 4, 11) IN THE BOTTOM HOLES, AND A SPACER, A 5/16" SELF TAPPING SCREW, AND A 5/16" FLAT WASHER (ITEMS #12, 9, 7) IN THE TOP HOLES, ONLY FINGER TIGHT AT THIS POINT. MEASURE THE HEIGHT OF THE FRONT TWO BRACKETS FROM THE ROCKER PANEL TO THE TOP OF THE STEP MOUNTING SURFACE, AND ADJUST THE REAR TWO BRACKETS SO THEY ARE THE SAME HEIGHT, TIGHTEN ALL 3/8" FASTENERS TO 33 LB FT, AND ALL 5/16" FASTENERS TO 19 LB FT.



7. ATTACHING THE STEP TO THE MOUNTING BRACKETS: [SEE FIG. 1]

- 7.1 INSERT THE CORRECT NUMBER OF SUPPORT BRACES (ITEM #15) IN FROM THE END OF THE STEP, THEN ATTACH THE END CAPS (ITEM #19) USING THE SUPPLIED SELF DRILLING TEK SCREWS (ITEM #20).
- 7.2 SET THE STEP ON THE MOUNTING BRACKETS, AND SLIDE EACH SUPPORT BRACE OVER THE TOP OF EACH MOUNTING BRACKET. INSERT THE FLAT SPACER PLATE (ITEM #16) BETWEEN THE BOTTOM OF THE STEP, AND THE TOP OF THE MOUNTING BRACKETS. USING THE SUPPLIED 5/16-18 X 1" CARRIAGE BOLT, WASHER, AND FLANGE NUTS, (ITEM #17, 18, 13), ATTACH THE STEP ASSEMBLY TO THE MOUNTING BRACKET.
- 7.3 ADJUST THE STEP PLATE IN THE DESIRED POSITION AND TIGHTEN ALL FASTENERS. TORQUE ALL 5/16" FASTENERS TO 19 LB FT.

PASSENGER SIDE INSTALLATION

- 8. ON THE PASSENGER SIDE ROCKER PANEL, [SEE FIGURE 2.] REPEAT STEPS 1 THRU 5 FOR THE FRONT TWO BRACKETS.
- 9. THE REAR BRACKETS (ITEM #2) MOUNT THE SAME AS THE FRONT BRACKET BY DRILLING A 7/16" HOLE TO THE RIGHT OF THE SECOND AND FOURTH BODY PLUG LOCATIONS, INSERT PAL-NUT (ITEM #10), BRACKET AND FASTENERS AND REPEAT STEPS 2 THRU 4.
- 10. ATTACH THE STEP (ITEM #1) TO THE MOUNTING BRACKETS BY REPEATING STEPS 7.1 THRU 7.3.

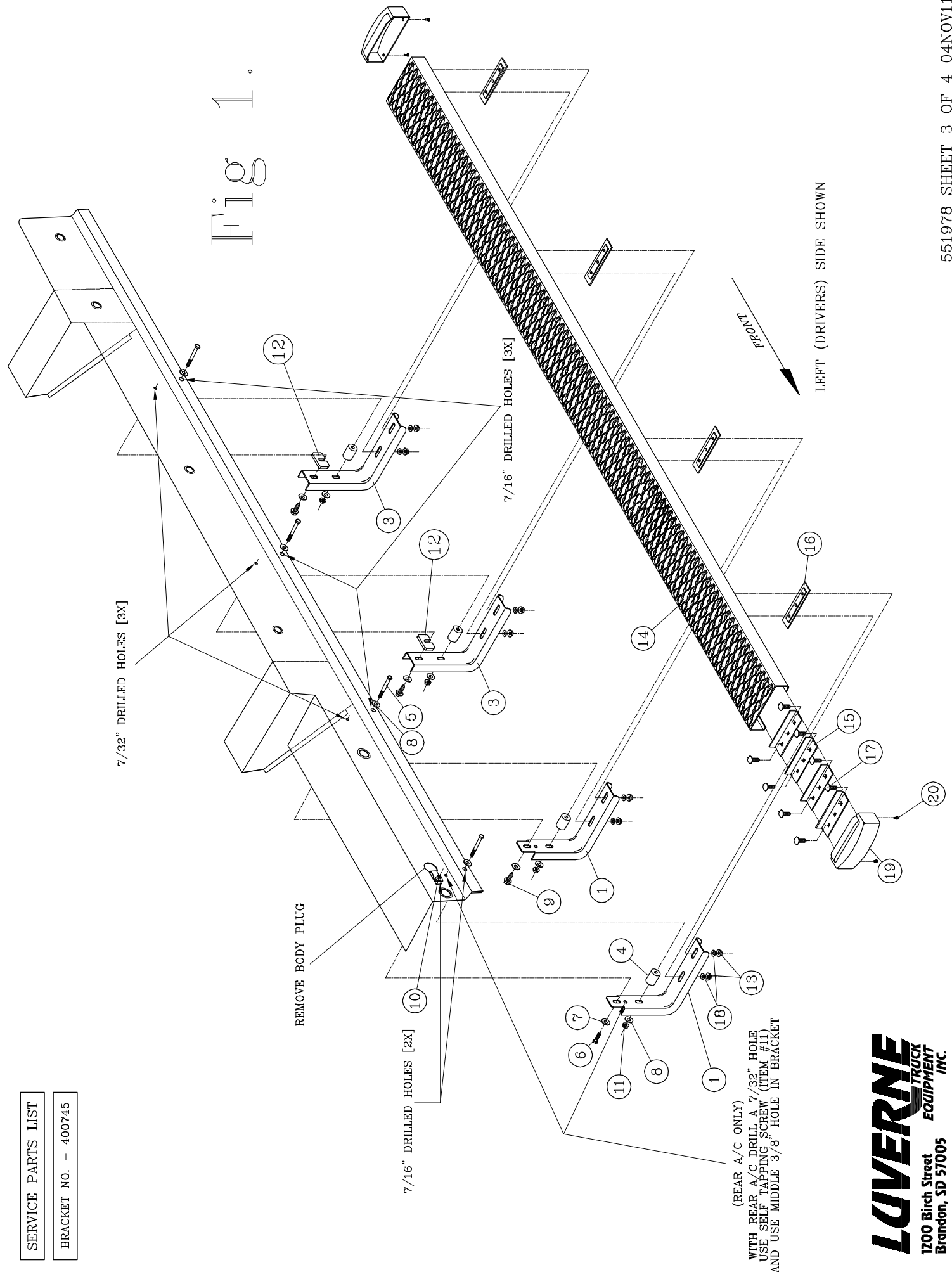
SERVICE PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
PARTS INCLUDED IN THE BRACKET PACKAGE			
1	551941	4	BRACKET- MTG, W2W,12 GA, LH/RH,
2	551940	2	BRACKET-MTG, CENTER, 400744
3	551878	2	BRACKET-MTG, 12 GA. SD
4	104368	8	SPACER TUBE, 1.00 X 1.375,ZP
5	103013	8	SCR-HEX HD, 3/8-16 X 2.75",ZP
6	100647	4	SCR-HEX HD, 5/16-18 X 1.00 STL,ZP
7	100034	8	WASHER-FL,5/16,ZP
8	100062	16	WASHER-FL,3/8,ZP
9	105537	5	SCR-HWH, TF, AB, SST, 5/16 X 1.00
10	105541	4	NUT-U, MULTI THD, LG, 5/16-18,BLK
11	100181	8	NUT-SERR FLG,3/8-16, ZP
12	552018	2	SPACER PLATE, ZP, 570745
PARTS INCLUDED IN THE STEP PACKAGE			
13	102680	20	NUT-SERR FLG,HX,SST,WX,5/16-18
14	551888	2	EXTRUSION-AL, 98" GRIP-STEP, BLK, 415098
15	551296	8	SUPPORT BRACE, UPPER, GALV
16	551298	8	SPACER PLATE, LOWER, BLACK
17	108683	20	BOLT-CRG,5/16-18 X 1, SST
18	101369	20	WASHER-FLAT,5/16,SST
19	551394	4	CAP-END,GRIP STEP, BLACK, PLASTIC
20	107958	8	SCR-TEK #8-18 X 1/2",SST,BLK



SERVICE PARTS LIST
 BRACKET NO. - 400745

Fig 1.



(REAR A/C ONLY)
 WITH REAR A/C DRILL A 7/32" HOLE
 USE SELF TAPPING SCREW (ITEM #11)
 AND USE MIDDLE 3/8" HOLE IN BRACKET

LUVERNE TRUCK EQUIPMENT INC.
 1200 Birch Street
 Brandon, SD 57005

SERVICE PARTS LIST
 BRACKET NO. - 400745

Fig 2.

