

INSTALLATION INSTRUCTIONS AND PARTS LIST

MODEL 415078, 415088, GRIP STEPS (BOARDS ONLY)

UNIVERSAL APPLICATIONS

1. Read instructions completely and check to make sure that all required parts (listed on the service parts list) are on hand before starting the installation.
2. Follow the instructions included with the specific bracket package that you are using to mount the brackets to your vehicle.
3. Step assembly:
 - 3.1 Before attaching the grip steps to the brackets, slide the appropriate number of support braces (item #2) into the channel of the step (item #1).
 - 3.2 Slide the end cap (item #3) over the front and rear of each step. Using the supplied #8 x 1/2" self drilling tek screw (item #8), screw the end cap to the bottom of the step.
4. Attaching the step to the mounting bracket:
 - 4.1 Set the step on the mounting brackets, and slide each support brace over the top of each mounting bracket. Attach the flat spacer plate (item #4) to the bottom of the step, between the support brace, and the top of the mounting bracket.
 - 4.2 Using the supplied 5/16-18 x 1" carriage bolt, washer, and flange nuts, (item #5, 6, 7), attach the step assembly, flat spacer plate and mounting bracket. (NOTE: Some of the flange nuts are supplied in the specific bracket package, not the step package.)
 - 4.3 Set the step plate in the correct position and tighten all fasteners.
Torque all 5/16" fasteners to 19 LB FT.

SERVICE PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	551384	2	EXTRUSION-AL,77.62, GRIP STEP,BLK,415078
1	551385	2	EXTRUSION-AL,87.75,GRIP STEP,BLK,415088
2	551296	8	SUPPORT BRACE, UPPER, GALV
3	551394	4	CAP-END,GRIP STEP, BLACK, PLASTIC
4	551298	8	SPACER PLATE, LOWER, BLACK
5	108683	16	BOLT-CRG,5/16-18 X 1.0", SST
6	101369	16	WASHER-FLAT,5/16,SST
7	102680	16	NUT-SERR FLG,HX,SST,WX,5/16-18
8	107958	8	SCR-TEK #8-18 X 1/2",SST,BLK



1200 E. Birch St.

Brandon, SD 57005

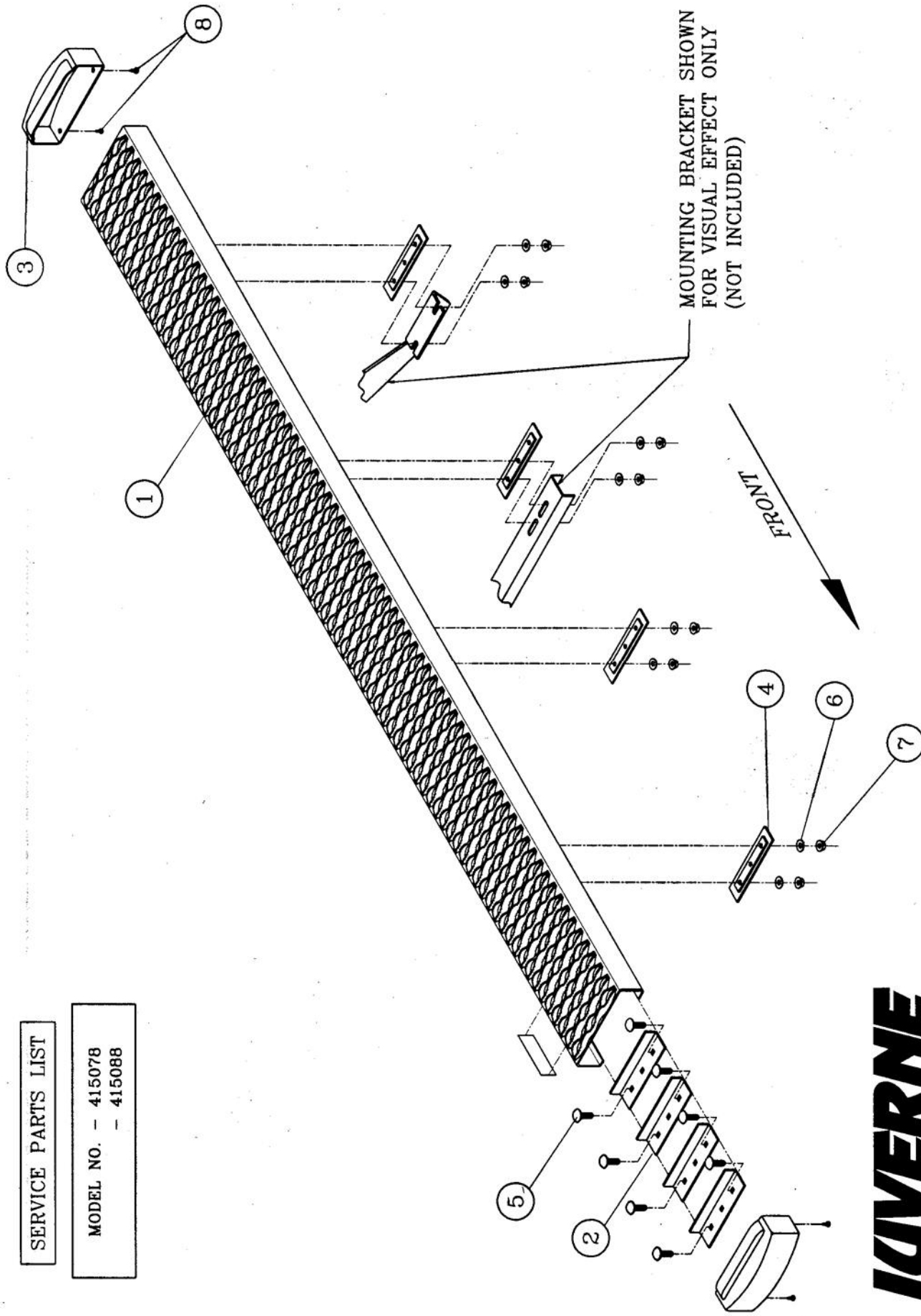
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REV A 10JUL09

551267 SHEET 1 OF 2 20AUG08

SERVICE PARTS LIST

MODEL NO. - 415078
- 415088



LAVERNE
TRUCK EQUIPMENT
(A LAVERNE Company)

1200 E. Birch St.
Brandon, SD 57005

REV B 03DEC10
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INSTALLATION INSTRUCTIONS AND PARTS LIST

APPLICATION: MODEL 571032/401032 SES/GRIP STEP BRACKETS ON:
09-16 RAM CREW CAB, QUAD CAB, AND MEGA CAB PICKUPS



1. READ INSTRUCTIONS COMPLETELY AND CHECK TO MAKE SURE THAT ALL REQUIRED PARTS (LISTED ON SERVICE PARTS LIST) ARE ON HAND BEFORE STARTING THE INSTALLATION.
2. ASSEMBLE THE LOAD REACTION STUDS AND HARDWARE AS FOLLOWS.

NOTE: USE A 4" STUD (ITEM #16) FOR THE FRONT BRACKET AND A 3" STUD (ITEM #15) FOR THE REAR BRACKETS. HEAVY DUTY PICKUPS WITH THE DIESEL ENGINE WILL NOT USE THE CENTER LOAD REACTION STUD.

- 2.1. ON THE SHORT THREADED END OF THE LOAD REACTION STUD (ITEM #15, 16, 19), INSTALL A 3/8" SERRATED FLANGE NUT (ITEM #14) BACKWARDS TO THE BOTTTOM OF THE THREAD. THEN INSTALL A 3/8" FLAT WASHER (ITEM #13) AND RUBBER "CUSHION" WASHER (ITEM # 12) TIGHT UP AGAINST THE SERRATED FLANGE NUT. (THE END OF THE STUD MUST BE RECESSED IN THE RUBBER WASHER APPROX. 3/16").
- 2.2. ON THE LONG THREADED END OF THE STUD, INSTALL A 3/8" SERRATED FLANGE NUT (ITEM # 14) BACKWARDS TO NEAR TO THE BOTTTOM OF THE THREADS
3. ATTACH THE LOAD REACTION STUD ASSEMBLIES TO THE MOUNTING BRACKETS AS SHOWN. INSERT THE STUD, FROM WHAT WILL BE THE INBOARD OR FRAME SIDE THRU THE LOWEST HOLE IN THE BENT FLANGE OF THE BRACKET THAT WILL ALLOW THE RUBBER WASHER TO SEAT FIRM AGAINST THE SIDE WALL OF THE FRAME. INSTALL A FLANGE NUT (ITEM #14) ON THE OUTBOARD END OF THE STUD (FINGER TIGHT ONLY).
4. ON THE RIGHT SIDE OF THE VEHICLE, REMOVE THE FACTORY FRONT, CENTER, AND REAR BODY MOUNT BOLTS (ONE SIDE OF THE VEHICLE AT A TIME), THESE WILL NOT BE REUSED. INSTALL THE MOUNTING BRACKETS PER THE FOLLOWING INSTRUCTIONS:
 - 4.1. USING A M12 – 110MM BOLT (ITEM #9) AND A 2.0" WASHER (ITEM #11) INSTALL THE FRONT MOUNTING BRACKET (ITEM #1, 2) TO THE FRONT BODY MOUNT AS SHOWN (LEAVE THESE FASTENERS FINGER TIGHT).
 - 4.2. USING A M12 – 110MM BOLT (ITEM #9) AND A 2.0" WASHER (ITEM #11) INSTALL THE CENTER MOUNTING BRACKET (ITEM #3, 4) TO THE CENTER BODY MOUNT AS SHOWN (LEAVE THESE FASTENERS FINGER TIGHT).
 - 4.3. FOR 1500 PICKUPS, IF THERE IS A CAST IRON DAMPENR ON THE REAR BODY MOUNT PLEASE REMOVE (THIS WILL NOT BE REUSED).
 - 4.4. USING A M12 – 110MM BOLT (ITEM #9) (**NOTE: IF INSTALLING ON A HEAVY DUTY PICKUP USE A M12-160MM BOLT (ITEM #10))** AND A 1/2" FLAT WASHER (ITEM #18) INSTALL THE REAR MOUNTING BRACKET (ITEM #5, 6) TO THE REAR BODY MOUNT AS SHOWN (LEAVE THESE FASTENERS FINGER TIGHT). **NOTE: THE ORIENTATION OF THE REAR BRACKET WILL BE DIFFERENT BETWEEN THE QUAD/CREW CAB PICKUPS AND THE MEGA CAB PICKUPS. IF INSTALLING ON A QUAD/CREW CAB PICKUP REFER TO FIG. 2, IF INSTALLING ON A MEGA CAB PICKUP REFER TO FIG. 3.**
 - 4.5. ATTACH THE REAR OUTBOARD MOUNTING BRACKET (ITEM #7, 8) TO THE REAR INBOARD MOUNTING BRACKET (ITEM #5, 6), USING THREE 3/8-16 X 1.0 SCREW, 3/8" FLAT WASHERS AND 3/8" FLANGE NUTS. (ITEMS #17, 13, 14). **NOTE: IF INSTALLING ON A LIGHT DUTY PICKUP INSTALL IN THE LOWER HOLE LOCATIONS, IF INSTALLING ON A HD PICKUP INSTALL IN THE UPPER HOLE LOCATIONS. (FIG. 1)**



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5. ATTACH THE STEP PLATE PER THE INSTRUCTIONS INCLUDED WITH YOUR STEP PLATE ASSEMBLY.
6. POSITION THE LOAD REACTION STUD ASSY SO THAT THE RUBBER CUSHION IS SNUG UP AGAINST THE SIDE OF THE FRAME. TIGHTEN THE 3/8" FLANGE NUTS ON EITHER SIDE OF THE BRACKET TO 19LB. FT.

SERVICE PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	552850	1	BRKT-MTG, SES, FRONT, LH, BODY MOUNT
1	552862	1	BRKT-MTG, GRIP, FRONT, LH, BODY MOUNT
2	552851	1	BRKT-MTG, SES, FRONT, RH, BODY MOUNT
2	552863	1	BRKT-MTG, GRIP, FRONT, RH, BODY MOUNT
3	552852	1	BRKT-MTG, SES, CENTER, LH, BODY MOUNT
3	552864	1	BRKT-MTG, GRIP CENTER, LH, BODY MOUNT
4	552853	1	BRKT-MTG, SES, CENTER, RH, BODY MOUNT
4	552865	1	BRKT-MTG, GRIP, CENTER, RH, BODY MOUNT
5	552854	1	BRKT-MTG, REAR, LH, INBOARD, BODY MOUNT
6	552855	1	BRKT-MTG, REAR, RH, INBOARD, BODY MOUNT
7	552856	1	BRKT-MTG, SES, REAR, LH, OUTBOARD
7	552868	1	BRKT-MTG, GRIP, REAR, LH, OUTBOARD
8	552857	1	BRKT-MTG, SES, REAR, RH, OUTBOARD
8	552869	1	BRKT-MTG, GRIP, REAR, RH, OUTBOARD
9	103444	6	SCREW-HEX HEAD, M12 – 1.75 X 110MM, ZP
10	109451	2	SCREW-HEX HEAD, M12 – 1.75 X 160MM, BZP
11	105909	4	WSHR-FLAT, 2.0 X .509 X .179, ZP
12	102592	6	WSHR, RUBBER, .354 ID X 1.00 OD X .75 THK
13	100062	12	WSHR, FLAT, 3/8", .438 ID X 1.00 OD X .083" THK
14	100181	24	NUT, SERR FLG, HEX, 3/8-16 UNC, ZP
15	104697	4	STUD, STL, 3/8-16 X 3.00", ZP
16	104686	2	STUD, -DBL ENDED, STL, 3/8-16 X 4.00", ZP
17	100040	6	SCR-HEX HD, 3/8-16 X 1.0" UNC, ZP
18	100118	2	WASHER, FLAT, 1/2" ZP



1200 E. Birch St.

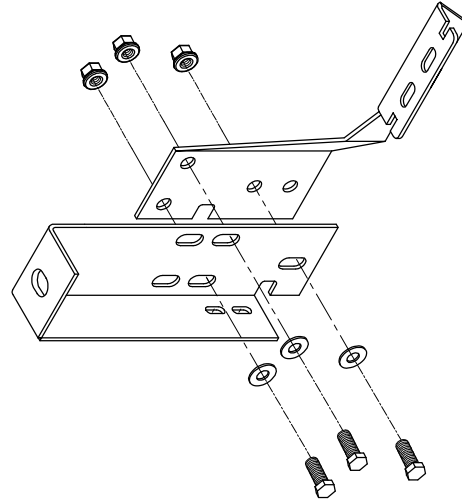
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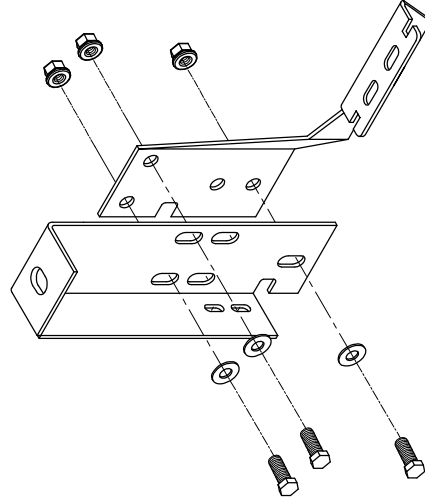
MODEL NO. -571032/401032

FIG. 1 REAR BRACKET ASSEMBLIES

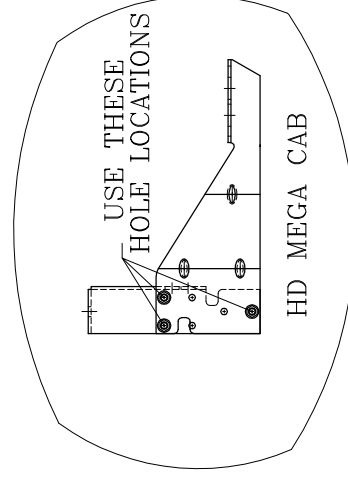
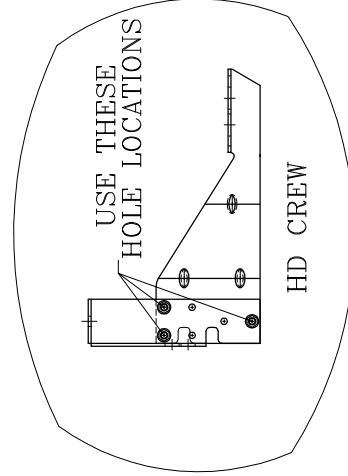
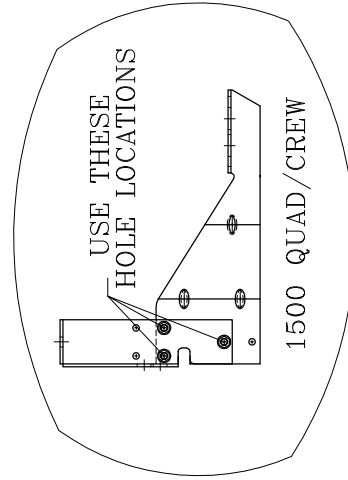
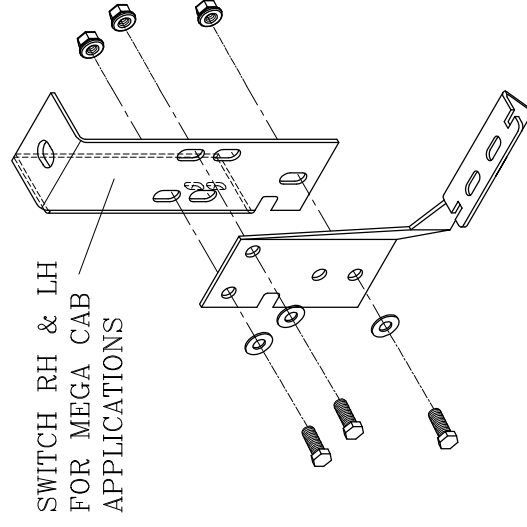
1500 QUAD/CREW CABS



HD CREW CABS



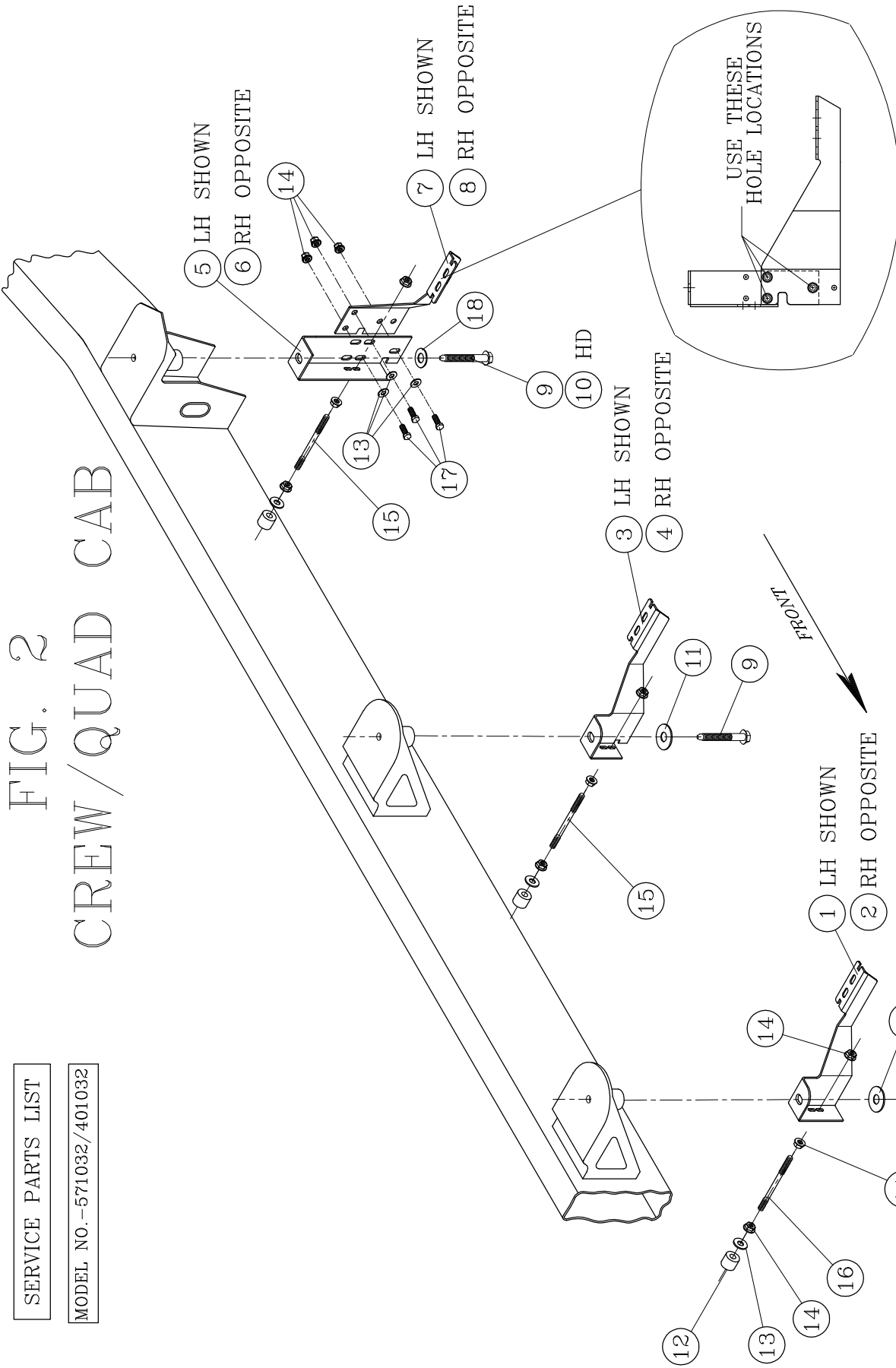
HD MEGA CABS



LEFT (DRIVER) SIDE SHOWN
-RIGHT (PASSENGER) SIDE OPPOSITE-

SERVICE PARTS LIST

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LEFT (DRIVER) SIDE SHOWN

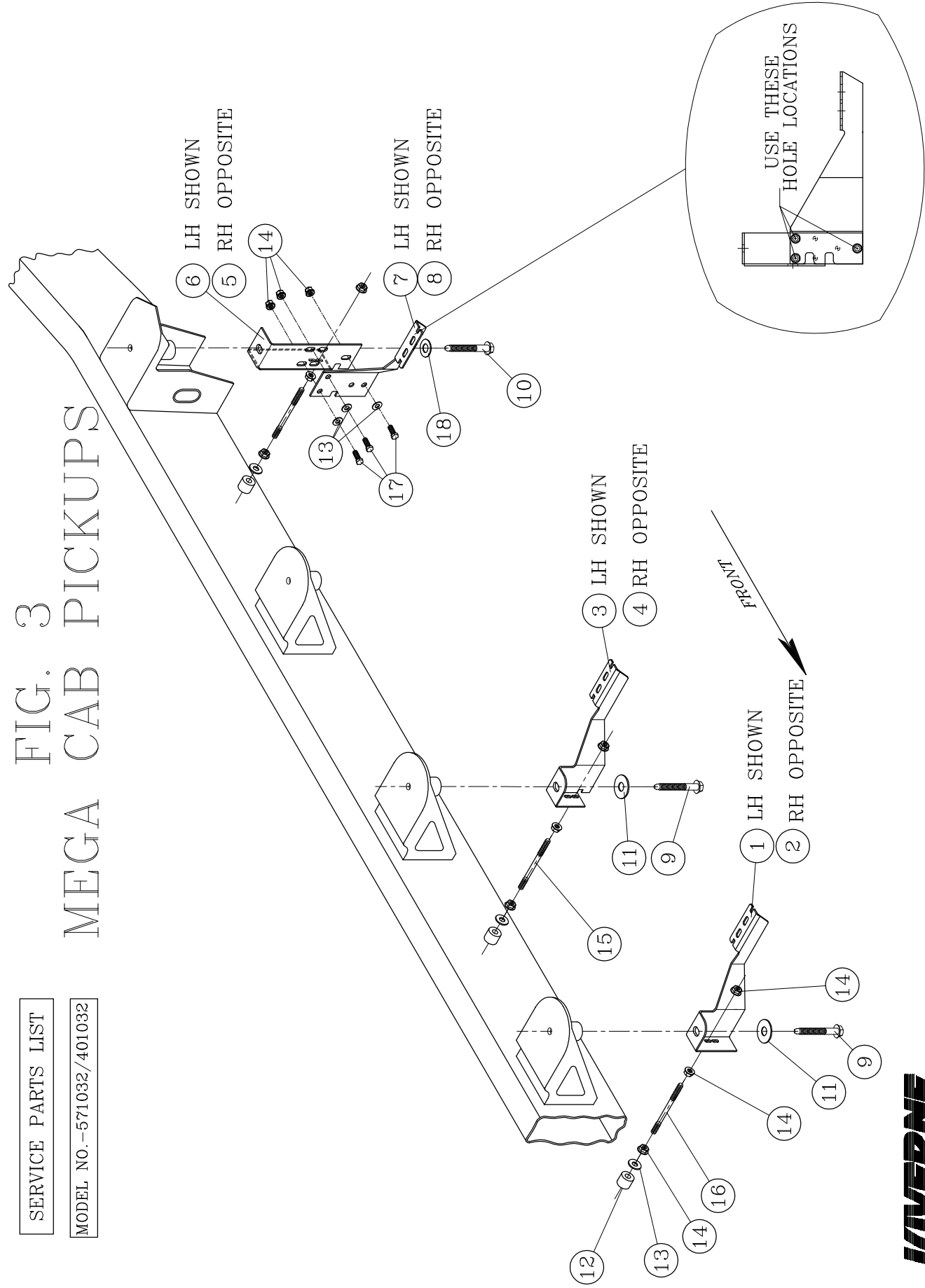
LEFT (DRIVER) SIDE SHOWN
-RIGHT (PASSENGER) SIDE OPPOSITE-

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FIG. 3 MEGA CAB PICKUPS



LEFT (DRIVER) SIDE SHOWN
-RIGHT (PASSENGER) SIDE OPPOSITE-