

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



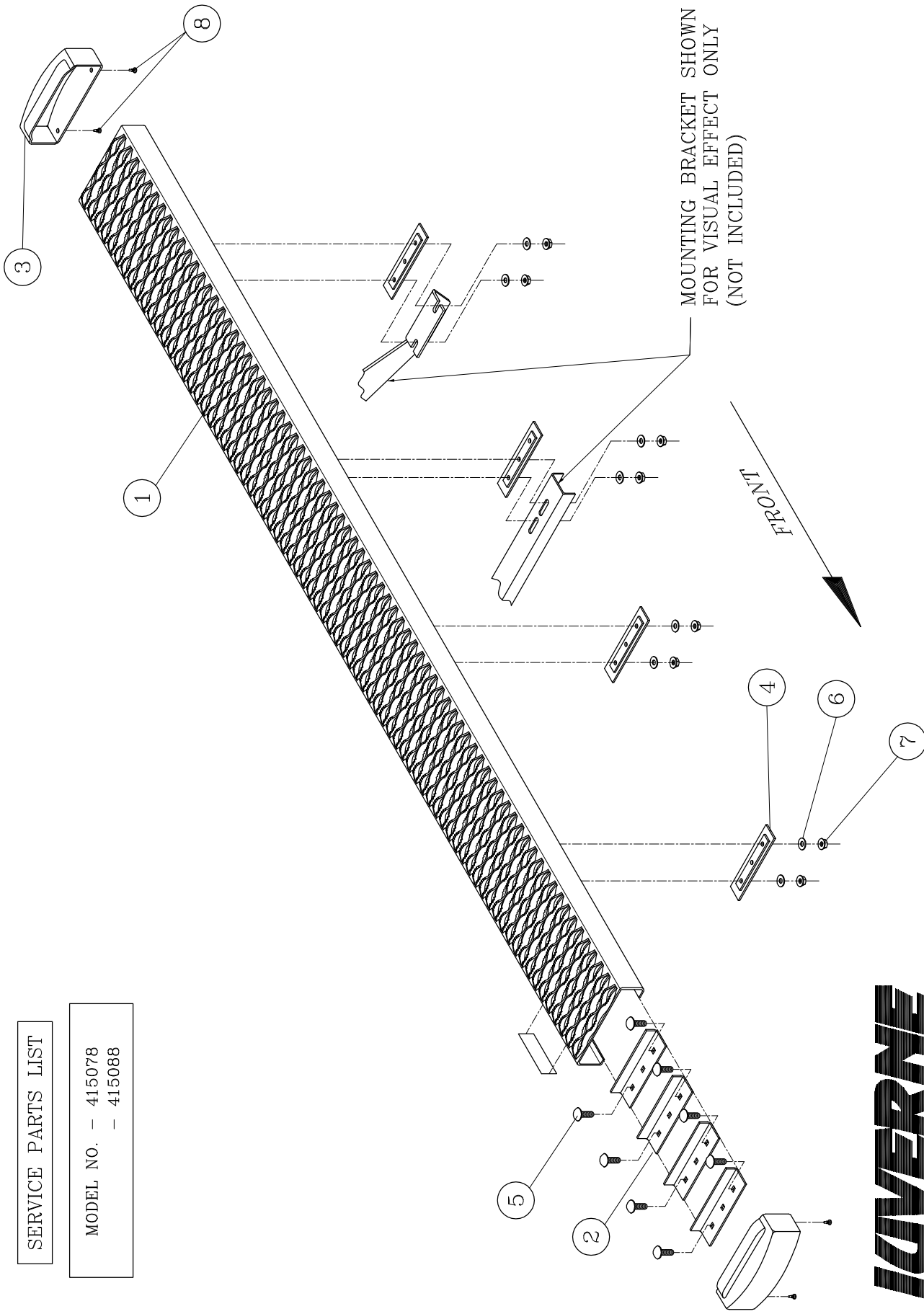
1200 E. Birch St.

Brandon, SD 57005

REV B 03DEC10
REV A 10JUL09
551267 SHEET 1 OF 2 20AUG08

SERVICE PARTS LIST

MODEL NO. - 415078
- 415088



(A LOVERNE COMPANY)

1200 E. Birch St.
Brentwood, SD 57006

REV B 03DEC10
REV A 10JUL09
551267 SHEET 2 OF 2 20AUG08



INSTALLATION INSTRUCTIONS AND PARTS LIST

APPLICATION: MODEL **401747** GRIP-STEP/REGAL 7 W2W BRACKETS ON:
2015+ GM 2500/3500HD REGULAR/DOUBLE/& CREW CAB PICKUPS, GAS/DIESEL
BODY MOUNT APPLICATION



NO DRILL APPLICATION

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. ON THE LEFT SIDE OF THE VEHICLE PREASSEMBLE THE FRONT BRACKET (ITEMS #1, 3, 14) AS SHOWN IN **FIG. 1** USING THREE 3/8"-16 X 1.0" SCREWS, 3/8" FLAT WASHER AND 3/8" FLANGE NUTS (ITEMS #10, 11, 13). TORQUE TO 19 LB. FT.
3. ASSEMBLE THE LOAD REACTION STUDS AND HARDWARE (ITEM #9 THRU #12) AS FOLLOWS.
 - 3.1. ON THE SHORT THREADED END OF THE LOAD REACTION STUD (ITEM #12), INSTALL A 3/8" SERRATED FLANGE NUT (ITEM #11) BACKWARDS TO THE BOTTOM OF THE THREAD. THEN INSTALL A 3/8" FLAT WASHER (ITEM #10) AND RUBBER "CUSHION" WASHER (ITEM #9) TIGHT UP AGAINST THE SERRATED FLANGE NUT. (THE END OF THE STUD MUST BE RECESSED IN THE RUBBER WASHER APPROX. 3/16").
 - 3.2. ON THE LONG THREADED END OF THE STUD, INSTALL A 3/8" SERRATED FLANGE NUT (ITEM #12) BACKWARDS TO NEAR TO THE BOTTOM OF THE THREADS
4. ATTACH THE LOAD REACTION STUD ASSEMBLIES TO THE MOUNTING BRACKETS AS SHOWN IN **FIG. 4**. 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 3/8" SERRATED FLANGE NUT (ITEM #11) ON THE OUTBOARD END OF THE STUD (FINGER TIGHT ONLY).

NOTE:

DUE TO EXCESSIVE THREAD LOCKER IN THE BODY MOUNT BOLT AREA ON THE 2010+ GM SILVERADO/SIERRA, USE CAUTION WHEN REMOVING THE BODY MOUNT BOLTS.

5. REMOVE THE FACTORY FRONT, CENTER, AND REAR BODY MOUNT BOLTS AND INSTALL THE MOUNTING BRACKETS PER THE FOLLOWING INSTRUCTIONS:
 - 5.1. INSTALL THE FRONT MOUNTING BRACKET (ITEMS #1, 3) TO THE FRONT BODY MOUNT AS SHOWN (LEAVE THESE FASTENERS FINGER TIGHT).
 - 5.2. INSTALL THE CENTER MOUNTING BRACKET (ITEM #4) TO THE CENTER BODY MOUNT AS SHOWN (LEAVE THESE FASTENERS FINGER TIGHT).

NOTE: CENTER MOUNTING BRACKET(S) (ITEM #4, 5) ARE USED AS THE REAR BRACKETS ON REGULAR CAB MODELS ONLY.

- 5.3. INSTALL THE REAR MOUNTING BRACKET (ITEM #8) & WASHER (ITEM #15) TO THE REAR BODY MOUNT AS SHOWN (LEAVE THESE FASTENERS FINGER TIGHT).
- 5.4. ATTACH THE REAR OUTBOARD MTG BRKT (ITEM #6) TO THE REAR INBOARD MTG BRKT (ITEM #8), USING THREE 3/8"-16 X 1.0" SCREWS, 3/8" FLAT WASHERS AND 3/8" FLANGE NUTS. (ITEMS #13, 10, 11). THE REAR OUTBOARD MOUNTING BRACKET MUST BE MOUNTED TO THE BACK SIDE OF THE REAR INBOARD MOUNTING BRACKET (TOWARDS THE REAR OF THE VEHICLE) AS SHOWN IN FIG 2 AND 3. BE SURE TO USE THE CORRECT HOLES AS SHOWN IN FIG. 2 & 3. NOTE THAT THERE IS A DIFFERENCE BETWEEN THE DOUBLE CAB AND CREW CAB APPLICATIONS. TORQUE THE BOLTS TO 19 LB. FT.

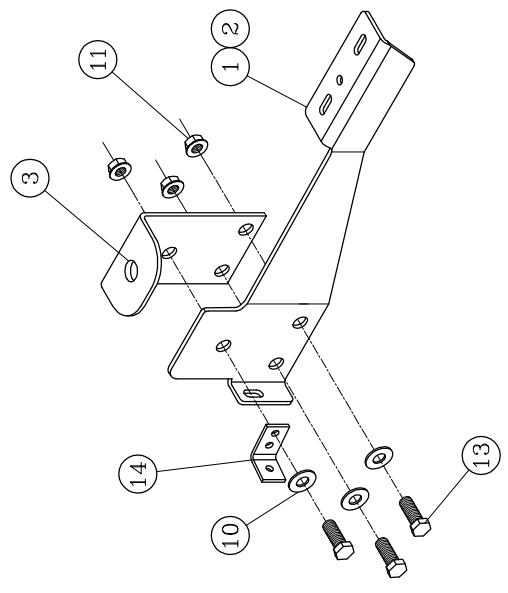
6. ATTACH THE SPRING HANGER BRACKETS (ITEM #18) AGAINST THE SIDE OF THE VEHICLE SPRING HANGER AS SHOWN IN **FIG.4**
 - 6.1 LOOSEN THE SPRING HANGER BOLT, OR NUT, JUST ENOUGH TO SLIDE THE INBOARD SPRING HANGER MOUNTING BRACKET (ITEM # 18) BEHIND THE FLANGE OF THE BOLT, OR NUT, POSITION THE INBOARD SPRING HANGER WITH THE CHANNEL OPEN TO THE OUTBOARD SIDE, AS SHOWN.
 - 6.2 INSTALL THE OUTBOARD SPRING HANGER MOUTING BRACKET (ITEM # 19) SO THAT THE INBOARD PORTION OF THE BRACKET FITS INSIDE THE CHANNEL SHAPE OF THE INBOARD SPRING HANGER MOUNTING BRACKET USING THE 3/8-16 X 2 BOLT, 3/8" FLAT WASHER, 1/2" FLAT WASHER & THE 3/8-16 NYLON LOCK NUT (ITEMS # 10,16,17, 20) AS SHOWN, LEAVE LOOSE UNTIL THE STEP BOARD IS IN PLACE.
7. INSTALL THE STEP BOARDS AS DESCRIBED BY THE INSTRUCTIONS INCLUDED WITH YOUR STEP BOARDS. (**NOTE: INSURE THAT THE MOUNTING BRACKETS DO NOT TOUCH THE INSIDE WALL OF THE BODY MOUNT HOUSING AND TORQUE THE BODY MOUNT FASTENERS TO MANUFACTURES SPECS**).
8. POSITION THE LOAD REACTION BOLT ASSEMBLY 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 BRKT TO 19LB. FT.
9. REPEAT STEPS 1-8 FOR THE RIGHT SIDE OF THE VEHICLE.

SERVICE PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	552729	1	BRACKET-MTG, FRONT, LH, SES, 401743
2	552728	1	BRACKET-MTG, FRONT, RH, SES, 401743
3	552718	2	BRACKET-MTG, FRONT, INBOARD, 401743
4	552731	1	BRACKET-MTG, CENTER, LH, SES, 401743
5	552730	1	BRACKET-MTG, CENTER, RH, SES, 401743
6	552733	1	BRACKET-MTG, REAR, LH, SES, 401743
7	552732	1	BRACKET-MTG, REAR, RH, SES, 401743
8	551907	2	BRACKET-MTG, REAR, INBOARD, LH/RH, 401747
9	102592	6	WSHR, RUBBER, .354 ID X 1.00 OD X .75 THK
10	100062	22	WSHR, FL, 3/8", .438 ID X 1.00 OD X .083" THK
11	100181	30	NUT, SERR FLG, HEX, 3/8-16 UNC, ZP
12	104686	6	STUD, -DBL ENDED, STL, 3/8-16 X 4.00", ZP
13	100040	12	SCR-HEX HD, 3/8-16 UNC, ZP
14	551571	2	BRACKET-90 DEGREE, 3 HOLE
15	108882	2	WSHR, FL, .59 ID X 1.06 OD X .19 THK, ZP
16	101326	2	BOLT, HEX-HEAD, 3/8-16 X 2", ZP
17	102381	2	NUT-NYLOCK, HEX, 3/8-16, ZP
18	551806	2	BRACKET-MTG, SPRING HANGER, INBOARD, 401117
19	552735	2	BRACKET-MTG, SPRING HANGER, OUTBOARD, 401447
20	100118	4	WSHR, FL, 1/2", ZP

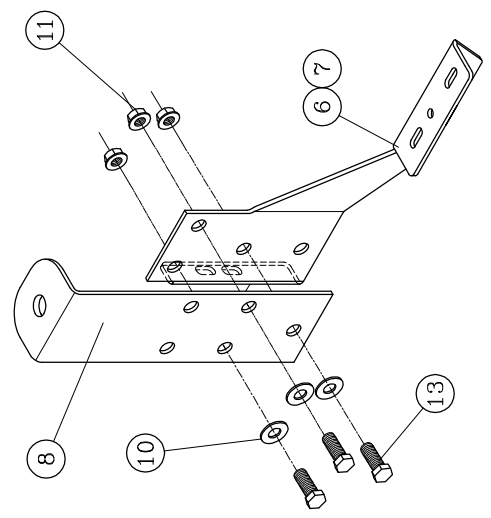
SERVICE PARTS LIST

MODEL NO. 401747

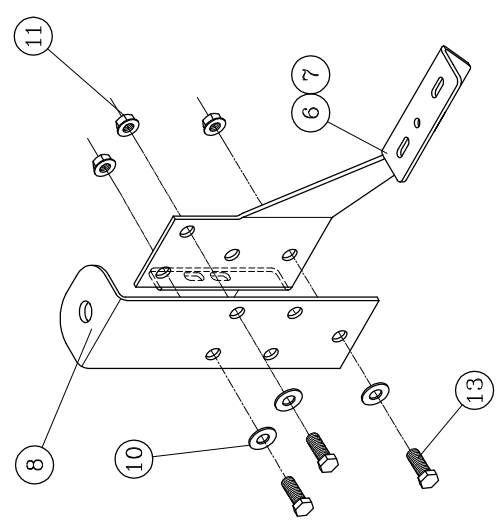


FRONT BRACKET ASSEMBLY

FIG. 1



DOUBLE CAB REAR BRACKET ASSEMBLY



CREW CAB REAR BRACKET ASSEMBLY

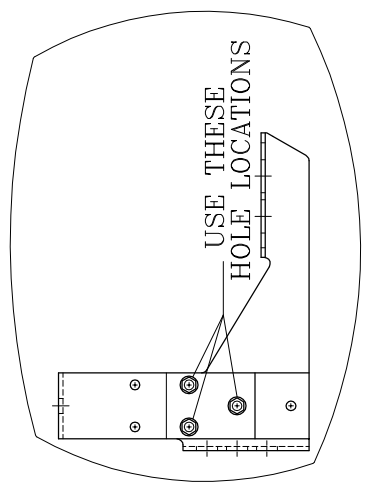


FIG. 2

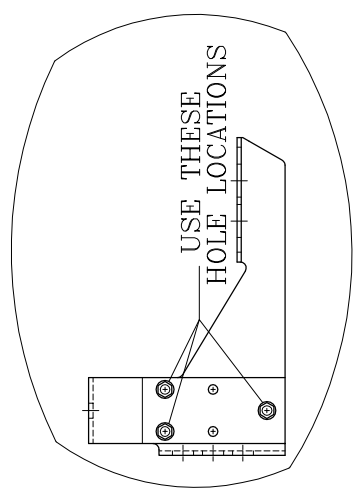


FIG. 3

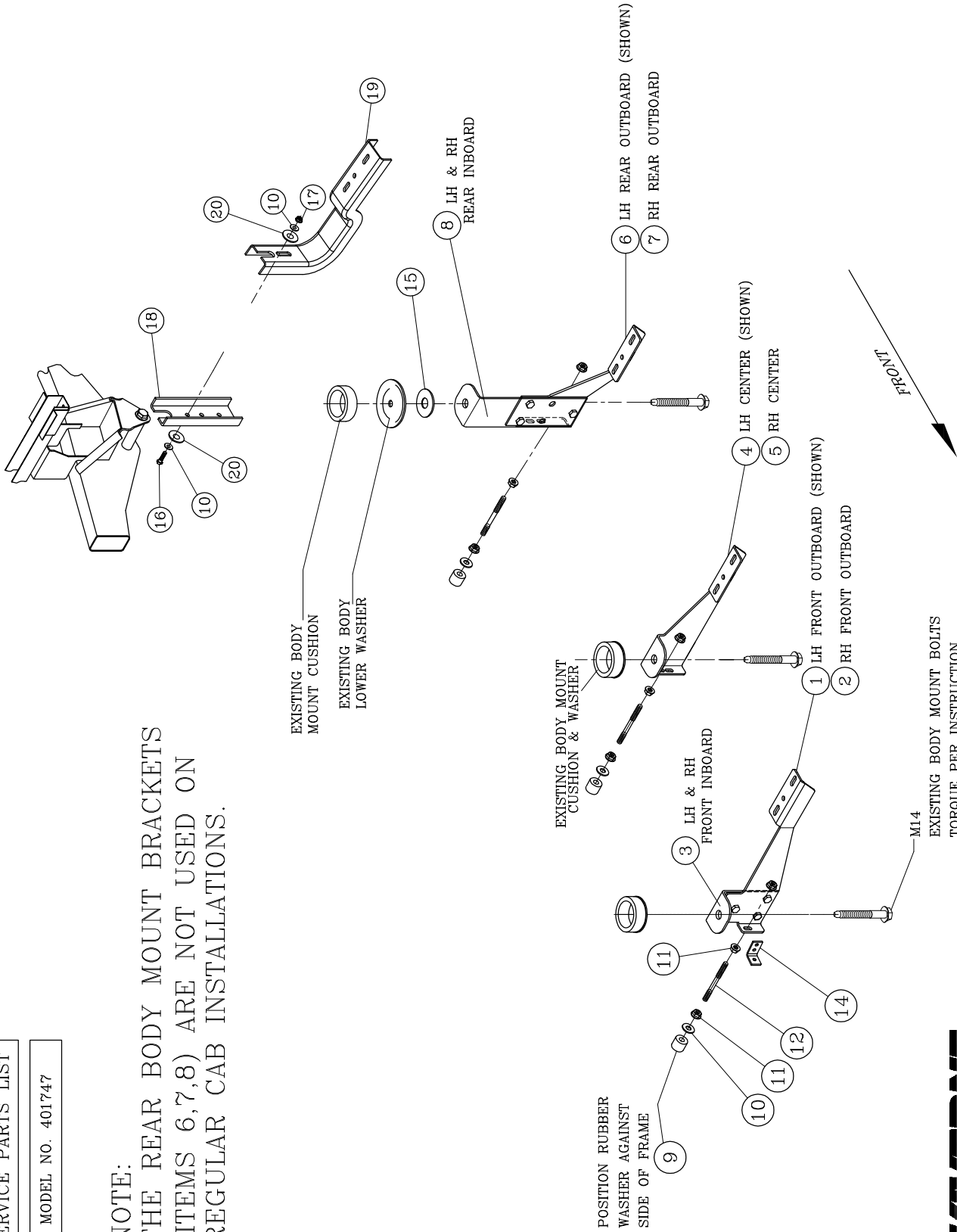


SERVICE PARTS LIST

MODEL NO. 401747

FIG. 4

NOTE:
THE REAR BODY MOUNT BRACKETS
(ITEMS 6,7,8) ARE NOT USED ON
REGULAR CAB INSTALLATIONS.



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

