

INSTALLATION INSTRUCTIONS AND PARTS LIST

MODEL 415114, 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 to mount the brackets to your vehicle.
3. Step assembly:
 - 3.1 This Board can be modified from its original length to fit many applications. Simply determine how long you will need the board, and cut to that length using a saber saw, chop saw, or hack saw. Use flat black paint to touch up the ends that were cut.
 - 3.2 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).
 - 3.3 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 fasteners to 19 LB FT.

SERVICE PARTS LIST

| ITEM | PART NO. | QTY | DESCRIPTION |
|------|----------|-----|--|
| 1 | 551888 | 2 | EXTRUSION-AL,97.87,GRIP STEP,BLK,415098 |
| 1 | 551889 | 2 | EXTRUSION-AL,101.25,GRIP STEP,BLK,415102 |
| 1 | 551388 | 2 | EXTRUSION-AL,113.62,GRIP STEP,BLK,415114 |
| 2 | 551296 | 10 | SUPPORT BRACE, UPPER, GALV. |
| 3 | 551394 | 4 | CAP-END,GRIP STEP, BLACK, PLASTIC |
| 4 | 551298 | 14 | SPACER PLATE, LOWER, BLACK |
| 5 | 108683 | 20 | BOLT-CRG,5/16-18 X 1.0", SST |
| 6 | 101369 | 20 | WASHER-FLAT,5/16,SST |
| 7 | 102680 | 20 | 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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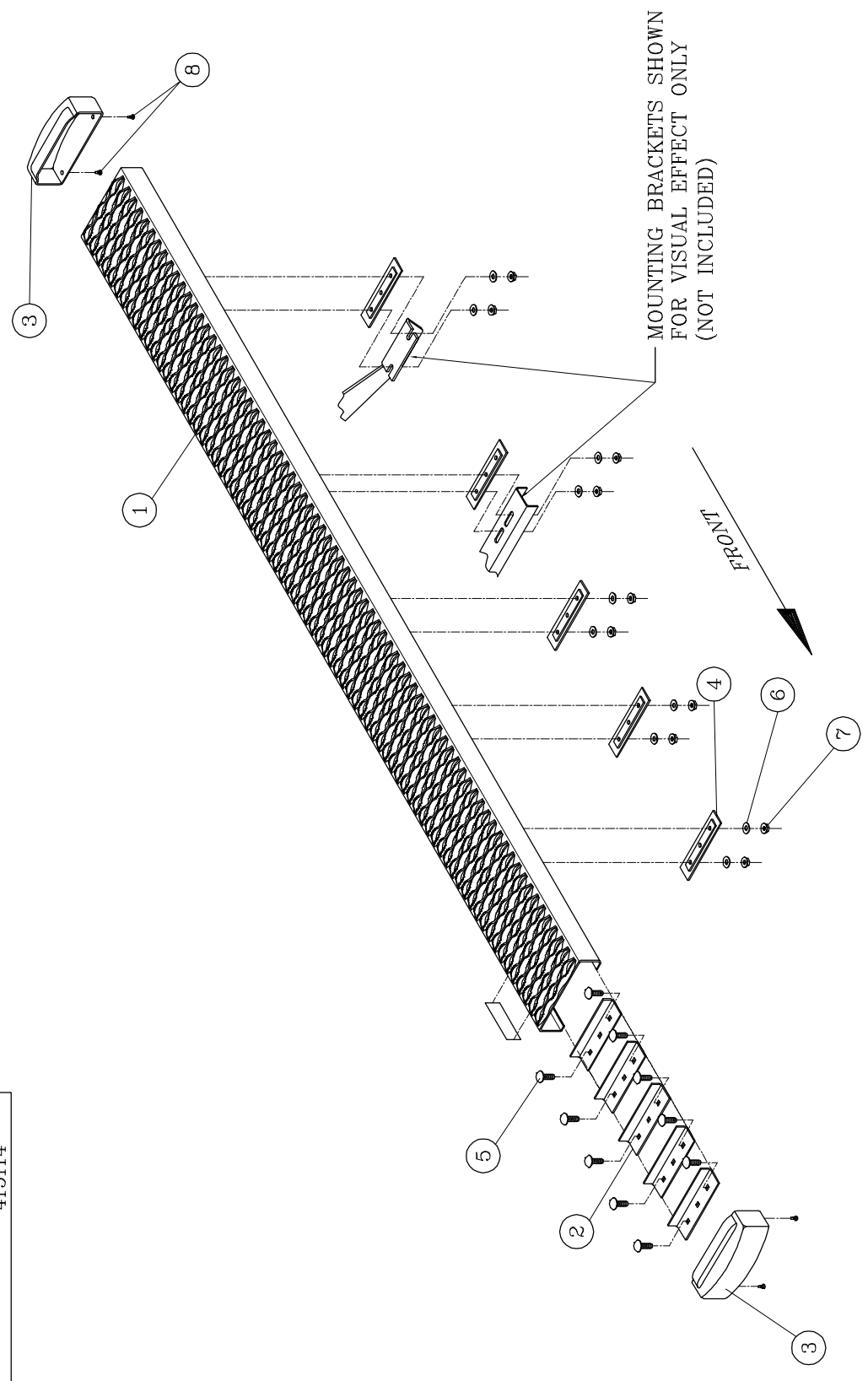
REV B 03DEC10

REV A 10JUL09

551391 SHEET 1 OF 2 01JUN09

SERVICE PARTS LIST

MODEL NO. - 415098
 415102
 415114



LOVERNE
 TELESCOPE & TELESCOPE UNIT
 (A LOVERNE Company)
 1200 E. Birch St. Brandon, SD 57005

REV C 01APR12
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 SHEET 2 01JUN09

551391

INSTALLATION INSTRUCTIONS AND PARTS LIST

FOR MOUNTING 401525/571525 GRIP STEPS/MEGA-OMEGA STEPS,
LONG/LONG, 2015-NEWER FORD TRANSIT VANS.

READ INSTRUCTIONS COMPLETELY AND CHECK TO MAKE SURE THAT ALL REQUIRED PARTS
(LISTED ON SERVICE PARTS LIST) ARE ON HAND BEFORE STARTING THE INSTALLATION.

PASSENGER SIDE INSTALLATION

1. MEASURE FROM THE REAR OF THE FRONT FENDER OPENING, AND MARK THE PINCH WELD FOR DRILLING THE FRONT HOLE OF EACH BRACKET AS SHOWN IN FIG. 2. AND THE REAR HOLE OF EACH BRACKET, REAR HOLE DISTANCE IS 3" FROM THE FRONT HOLE ON THE FIRST 4 BRACKETS, AND 1-1/4" ON THE 5TH REAR MOST BRACKET.
2. DRILL 11/32" HOLE IN EACH OF THE LOCATIONS MARKED OUT ON THE PINCHWELD.

NOTE: SLIDE A FLAT PIECE OF METAL SUCH AS A PUTTY KNIFE BETWEEN THE PINCHWELD, AND THE PLASTIC ROCKER MOLDING, TO AVOID DAMAGING MOLDING DURING DRILLING.

3. INSTALL BOLT PLATE RETAINERS (ITEM #4, 5) AND 5/16-18 X 1" CARRIAGE BOLTS (ITEM #6) BETWEEN THE ROCKER MOLDING, AND THE PINCHWELD, WITH CARRIAGE BOLTS GOING THROUGH THE HOLES DRILLED IN THE PINCHWELD.

NOTE: IT MAY BE NECESSARY TO RELEASE THE LOWER CLIPS OF THE ROCKER MOLDING, TO ALLOW IT TO BE PULLED BACK ENOUGH TO GET CARRIAGE BOLTS AND RETAINER PLATES INSTALLED.

4. PLACE BRACKETS (ITEM #1, 2, 3) UP TO ROCKER, AND FASTEN TO THE 5/16-18 X 1" CARRIAGE BOLTS (ITEM #6) THAT YOU'VE ALREADY PUT THROUGH THE PINCHWELD, USING THE 5/16-18 SERRATED FLANGE NUTS (ITEM #7). LEAVE THESE FASTENERS FINGER TIGHT AT THIS TIME. **SEE FIG. 1 FOR PROPER BRACKET LOCATIONS.**
5. IN THE TOP HOLES OF EACH BRACKET DRILL A 17/64" HOLE THROUGH THE SHEET METAL OF THE ROCKER PANEL, AS SHOWN IN FIG. 1.
6. INSTALL THE 5/16-18 X 1" THREAD CUTTING BOLT (ITEM #8), AND THE 5/16" LOCK WASHER (ITEM #9) INTO EACH OF THE 17/64" HOLES THAT WERE DRILLED. TIGHTEN TO 10 LB. FT.

NOTE: DUE NOT TIGHTEN THE 5/16-18 X 1" THREAD CUTTING BOLTS (ITEM #8) TO MORE THAN 10 LB. FT. OF TORQUE. OVER TORQUEING THESE WILL RESULT IN STRIPPING OUT THE ROCKER PANEL.

7. TIGHTEN ALL REMAINING 5/16-18 FASTENERS 19 LB. FT.

DRIVERS SIDE INSTALLATION

1. REPEAT STEPS 1 THROUGH 7. (SEE FIGURES 2, AND 4 FOR MEASUREMENTS AND LOCATIONS.)

NOTE: DUE TO THE THICKNESS OF THE MATERIAL IN THE ROCKER PANEL FOR THE TOP 2 HOLES ON THE SECOND BRACKET BACK ON THE DRIVERS SIDE, YOU WILL NEED TO DRILL THOSE 2 HOLES WITH A 19/64" BIT.

2. ATTACHING THE STEP ASSEMBLY:
PLEASE REVIEW THE INSTALLATION INSTRUCTIONS THAT ARE INCLUDED IN YOUR STEP ASSEMBLY FOR SPECIFIC DETAILS.



1200 E. Birch St.

Brandon, SD 57005

REV A 13APR15
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INSTALLATION INSTRUCTIONS AND PARTS LIST

SERVICE PARTS LIST

| ITEM | PART NO. | QTY | DESCRIPTION |
|------|----------|-----|--|
| 1 | 552580 | 4 | MTG-BRKT, FRNT, LH/RH, GRIP STEP |
| 1 | 552608 | 4 | MTG-BRKT, FRNT, LH/RH, MEGA STEP |
| 2 | 552581 | 4 | MTG-BRKT, MIDDLE, LH/RH, GRIP STEP |
| 2 | 552609 | 4 | MTG-BRKT, MIDDLE, LH/RH, MEGA STEP |
| 3 | 552582 | 2 | MTG-BRKT, REAR, LH/RH, GRIP STEP |
| 3 | 552610 | 2 | MTG-BRKT, REAR, LH/RH, MEGA STEP |
| 4 | 552611 | 8 | BOLT-RETAINER PLATE, FRONT, ZP, 401525 |
| 5 | 552612 | 2 | BOLT-RETAINER PLATE, REAR, ZP, 401525 |
| 6 | 108683 | 20 | BLT-CRG, 5/16-18 X 1, SST |
| 7 | 102680 | 20 | SRRTD FLNG-NUT, 5/16-18, SST |
| 8 | 109177 | 20 | THRD CTTNG-SCRW, 5/16-18 X 1, ZP |
| 9 | 100030 | 20 | WASHER-LK, 5/16, ZP |
| 10 | 552616 | 1 | MTG-BRKT, LH, AC, 401525 |
| 10 | 552617 | 1 | MTG-BRKT, LH, AC, 571525 |



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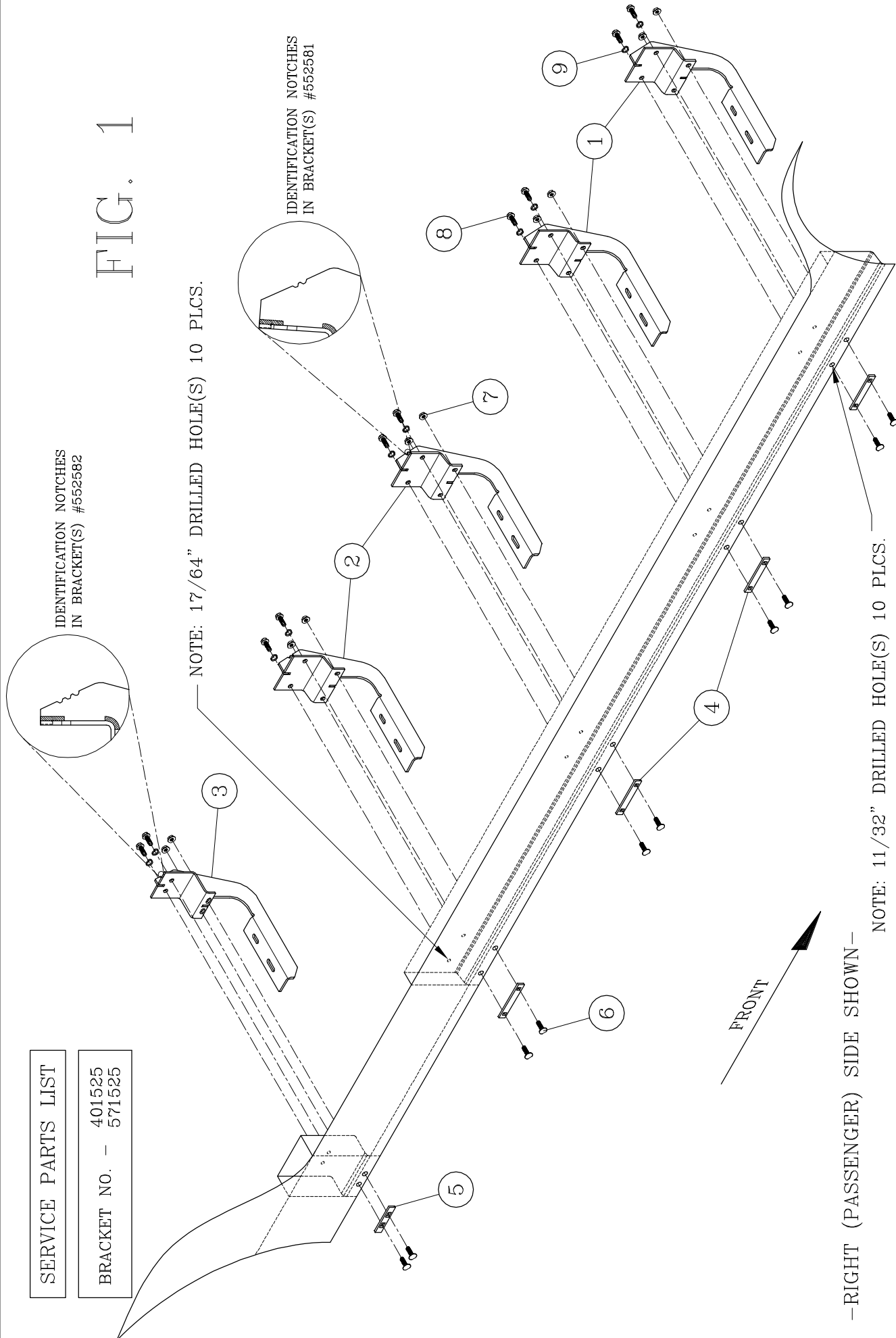
Brandon, SD 57005

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552583 SHEET 2 OF 6 07OCT14

SERVICE PARTS LIST

BRACKET NO. - 401525
571525

FIG. 1



NOTE: 17/64" DRILLED HOLE(S) 10 PLCS.

NOTE: 11/32" DRILLED HOLE(S) 10 PLCS.

FRONT

-RIGHT (PASSENGER) SIDE SHOWN-



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Brandon, MS 37805

FIG. 2

SERVICE PARTS LIST

BRACKET NO. - 401525
571525

IDENTIFICATION NOTCHES
IN BRACKET(S) #552582

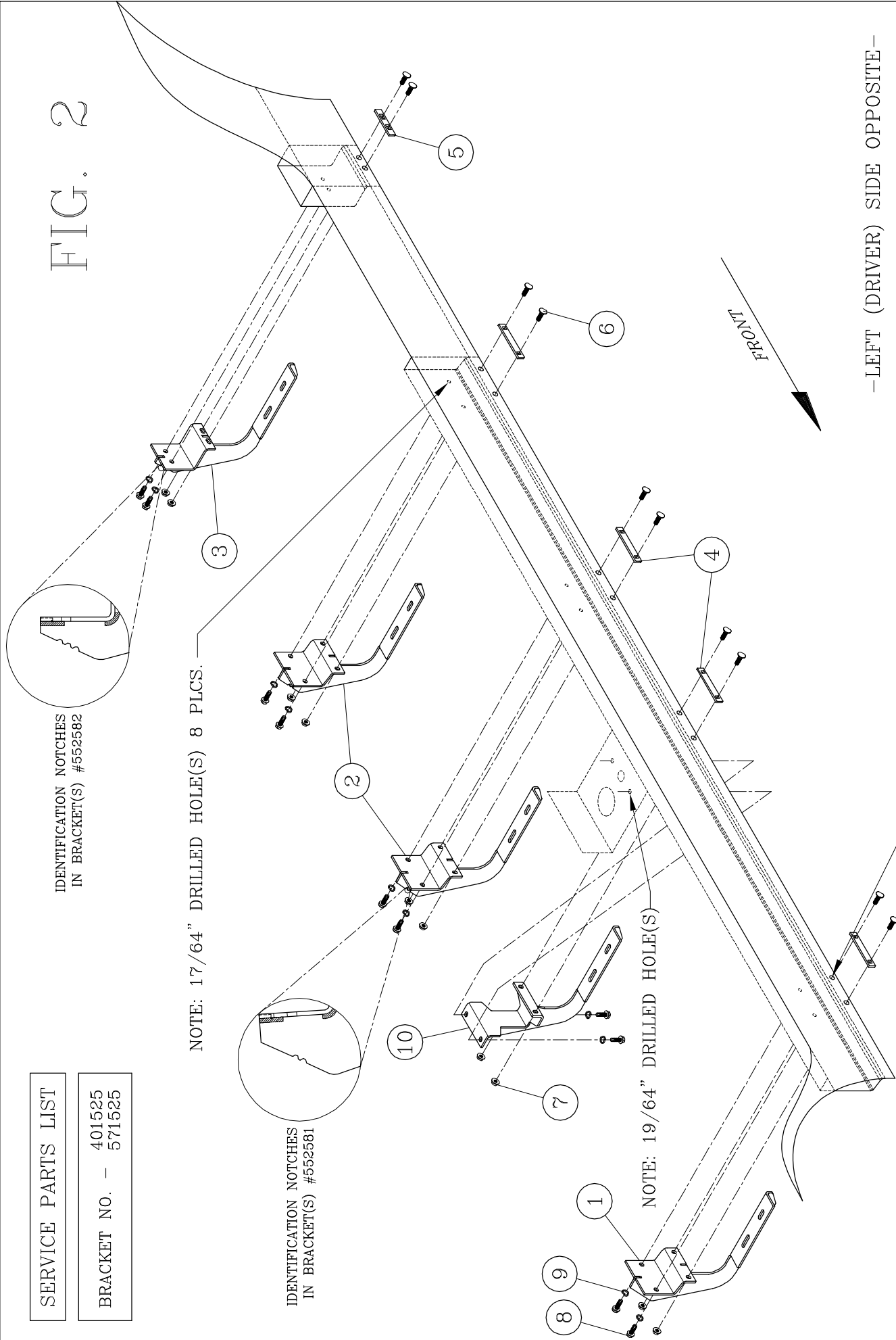
NOTE: 17/64" DRILLED HOLE(S) 8 PLCS.

IDENTIFICATION NOTCHES
IN BRACKET(S) #552581

NOTE: 19/64" DRILLED HOLE(S)

NOTE: 11/32" DRILLED HOLE(S) 10 PLCS.

-LEFT (DRIVER) SIDE OPPOSITE-



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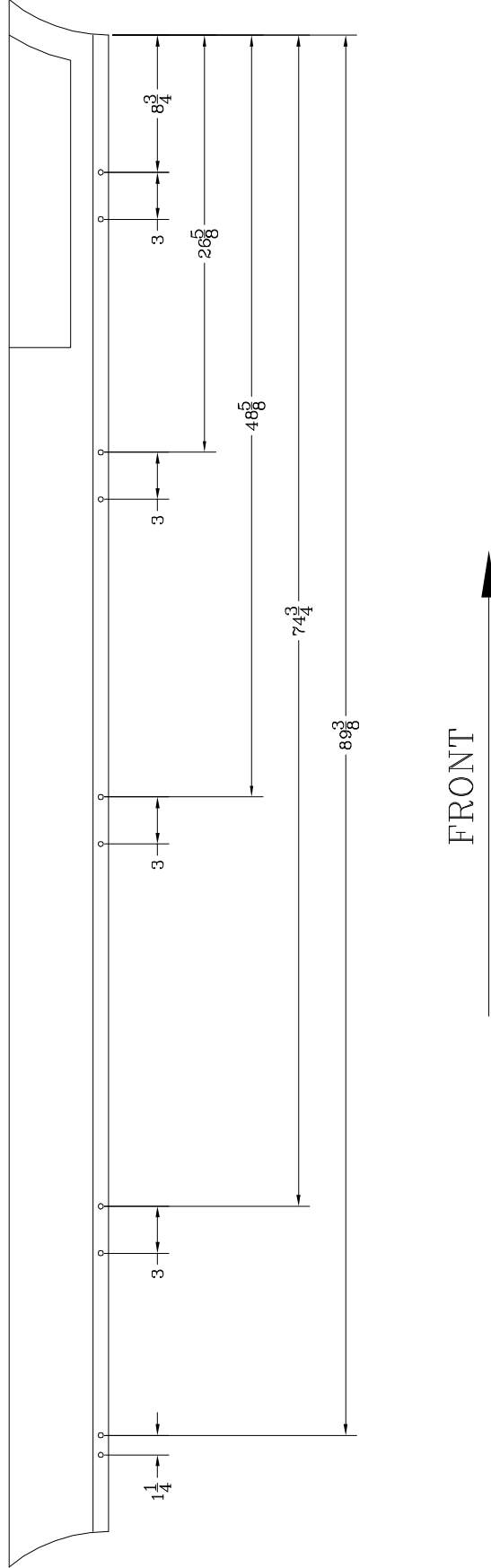
SERVICE PARTS LIST

BRACKET NO. - 401525
571525

FIG. 3

-RIGHT (PASSENGER) SIDE SHOWN-

NOTE:
THESE DIMENSIONS MAY NEED TO BE ADJUSTED FORWARD, OR BACKWARD
TO AVOID DRILLING THROUGH SPOT WELDS IN THE PINCH SEAM.



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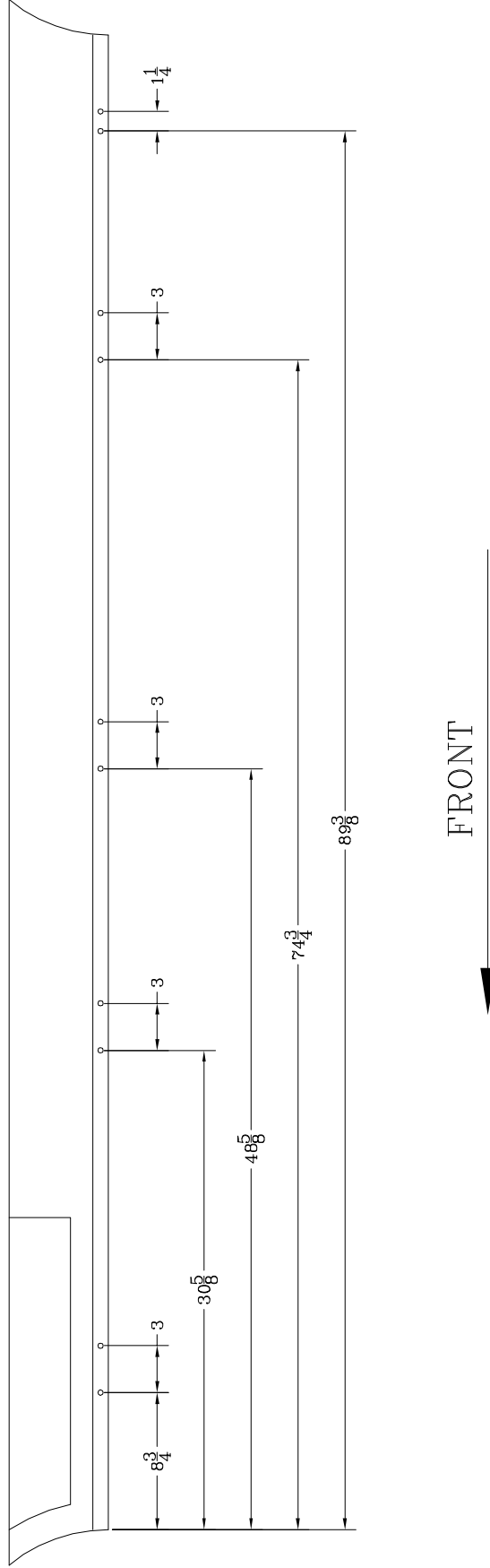
SERVICE PARTS LIST

BRACKET NO. - 401525
571525

FIG. 4

-LEFT (DRIVERS) SIDE SHOWN-

NOTE:
THESE DIMENSIONS MAY NEED TO BE ADJUSTED FORWARD, OR BACKWARD
TO AVOID DRILLING THROUGH SPOT WELDS IN THE PINCH SEAM.



LOVERNE
TIEBOLD EQUIPMENT
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1288 E. Birch St.
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