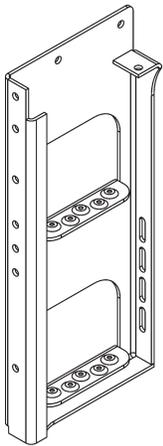
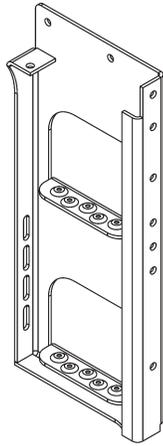


INSTRUCTION, TE-33 DUAL STEP KIT

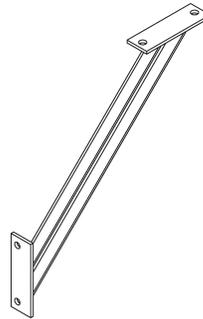
KIT P/N 285479-01 (PAINTED) & 285479-01G (GALVANIZED FINISH)



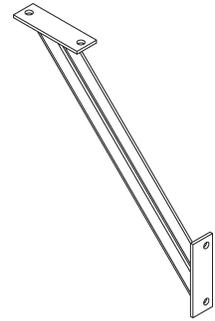
DUAL STEP, LH
P/N 285477-01
or
P/N 285477-01G
(GALVANIZED)
QTY. 1



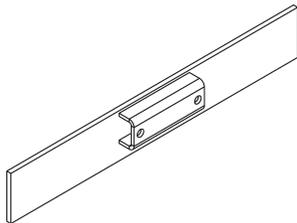
DUAL STEP, RH
P/N 285477-02
or
P/N 285477-02G
(GALVANIZED)
QTY. 1



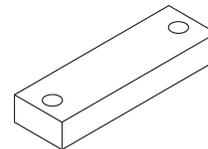
SUPPORT, LH
P/N 283990-01
or
P/N 283990-03
(GALVANIZED)
QTY. 1



SUPPORT, RH
P/N 283990-02
or
P/N 283990-04
(GALVANIZED)
QTY. 1



CHANNEL MOUNTING
P/N 283993-01
or
P/N 283993-01G
(GALVANIZED)
QTY. 2



SPACER
P/N 283998-01
or
P/N 283998-02
(GALVANIZED)
QTY. 2



HEX FRAME BOLT
1/2"-13 X 1-1/4" LG, GRADE 8
P/N 901024-1
QTY. 16

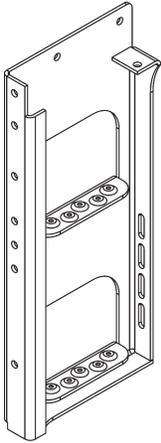


HEX FRAME BOLT
1/2"-13 X 2-1/4" LG, GRADE 8
P/N 901024-3
QTY. 4

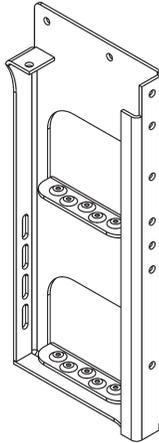


FLANGE LOCK NUT, 1/2"-13
P/N 901023
QTY. 20

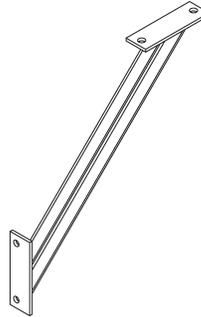
KIT P/N 285479-02 (PAINTED) & 285479-02G (GALVANIZED FINISH)



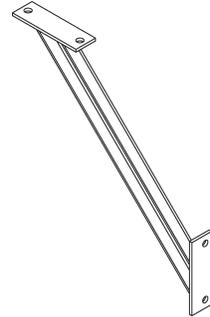
DUAL STEP, LH
P/N 285477-01
 or
P/N 285477-01G
 (GALVANIZED)
QTY. 1



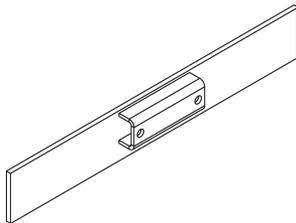
DUAL STEP, RH
P/N 285477-02
 or
P/N 285477-02G
 (GALVANIZED)
QTY. 1



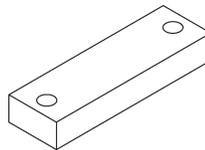
SUPPORT, LH
P/N 283990-01
 or
P/N 283990-03
 (GALVANIZED)
QTY. 1



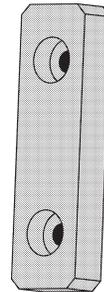
SUPPORT, RH
P/N 283990-02
 or
P/N 283990-04
 (GALVANIZED)
QTY. 1



CHANNEL MOUNTING
P/N 283993-01
 or
P/N 283993-01G
 (GALVANIZED)
QTY. 2



SPACER
P/N 283998-01
 or
P/N 283998-02
 (GALVANIZED)
QTY. 2



BUMPER, 1" X 2" X 7" LG.
P/N 285492-01
QTY. 2



HEX FRAME BOLT
1/2"-13 X 1-1/4" LG, GRADE 8
P/N 901024-1
QTY. 20

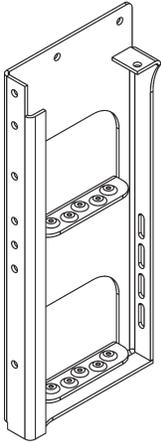


HEX FRAME BOLT
1/2"-13 X 2-1/4" LG, GRADE 8
P/N 901024-3
QTY. 4

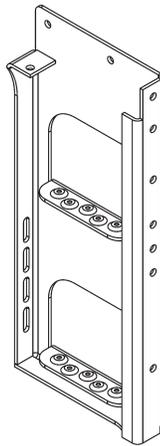


FLANGE LOCK NUT, 1/2"-13
P/N 901023
QTY. 24

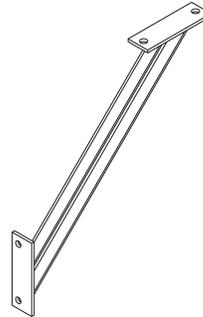
KIT P/N 285479-03 (PAINTED) & 285479-03G (GALVANIZED FINISH)



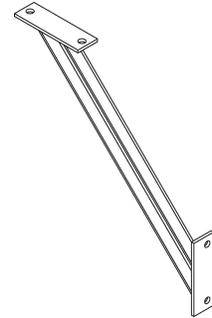
DUAL STEP, LH
P/N 285477-01
or
P/N 285477-01G
(GALVANIZED)
QTY. 1



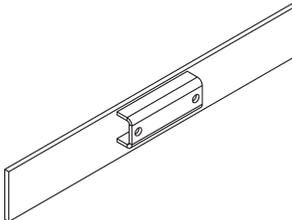
DUAL STEP, RH
P/N 285477-02
or
P/N 285477-02G
(GALVANIZED)
QTY. 1



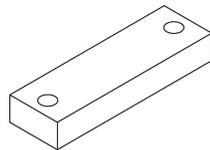
SUPPORT, LH
P/N 283990-01
or
P/N 283990-03
(GALVANIZED)
QTY. 1



SUPPORT, RH
P/N 283990-02
or
P/N 283990-04
(GALVANIZED)
QTY. 1



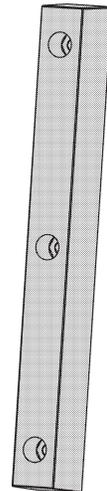
CHANNEL MOUNTING
P/N 283993-01
or
P/N 283993-01G
(GALVANIZED)
QTY. 2



SPACER
P/N 283998-01
or
P/N 283998-02
(GALVANIZED)
QTY. 2



ROUND TUBE,
5/8" DIA. X 1-7/16" LG
P/N 092036-10
QTY. 6



BUMPER,
2-1/2" X 3" X 24" LG
P/N 905344-01
QTY. 2



HEX FRAME BOLT
1/2"-13 X 1-1/4" LG,
GRADE 8
P/N 901024-1
QTY. 16



HEX FRAME BOLT
1/2"-13 X 2-1/4" LG,
GRADE 8
P/N 901024-3
QTY. 4

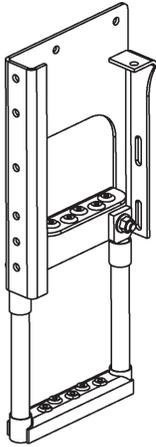


HEX FRAME BOLT
1/2"-13 X 2-1/2" LG,
GRADE 8
P/N 901024-8
QTY. 6

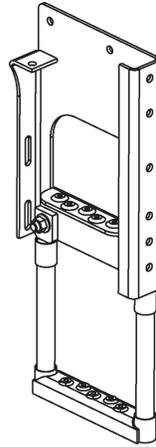


FLANGE LOCK NUT,
1/2"-13
P/N 901023
QTY. 26

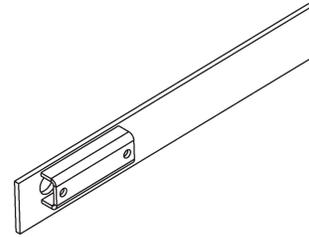
KIT P/N 285479-04G (GALVANIZED FINISH)



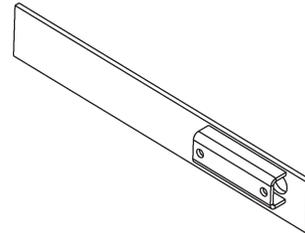
DUAL STEP WITH LOWER FLEXIBLE STEP, LH
P/N 288763-01G
QTY. 1



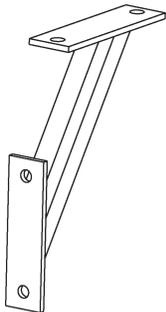
DUAL STEP WITH LOWER FLEXIBLE STEP, RH
P/N 288763-02G
QTY. 1



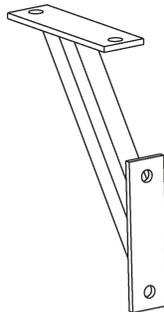
CHANNEL MOUNTING, LH
P/N 286734-01G
QTY. 1



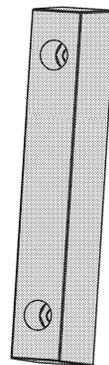
CHANNEL MOUNTING, RH
P/N 286734-02G
QTY. 1



SUPPORT, LH
286738-01G
QTY. 1



SUPPORT, RH
286738-02G
QTY. 1



BUMPER,
2-1/2" X 3" X 14"
P/N 905344-02
QTY. 2



ROUND TUBE,
5/8" DIA. X 1-7/16" LG,
P/N 092036-10
QTY. 4



FLANGE LOCK NUT,
1/2"-13
P/N 901023
QTY. 20



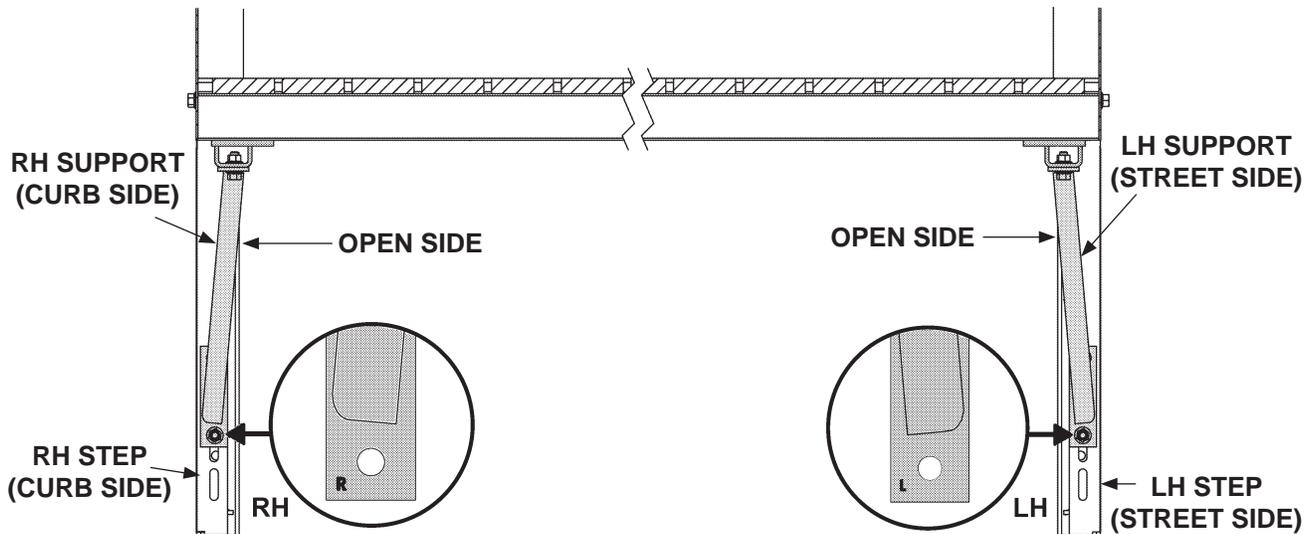
HEX FRAME BOLT
1/2"-13 X 1-1/4" LG,
GRADE 8
P/N 901024-1
QTY. 16



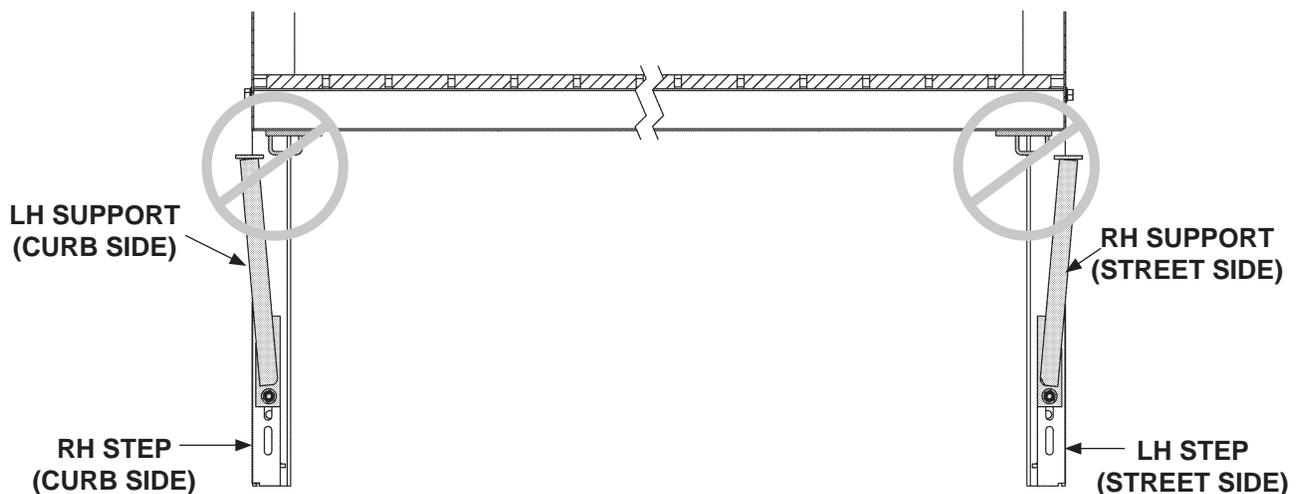
HEX FRAME BOLT
1/2"-13 X 2-1/2" LG,
GRADE 8
P/N 901024-8
QTY. 4

BOLT STEPS TO EXTENSION PLATE DUAL STEPS

NOTE: The figures below illustrate the correct way and incorrect way to bolt dual steps and supports to extension plate and vehicle. If Liftgate comes with flexible (cable) steps, follow the instructions for **FLEXIBLE STEPS**.

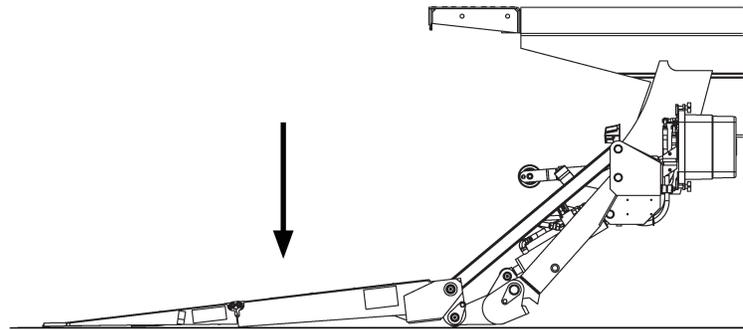


**CORRECT INSTALLATION OF
STEPS & SUPPORTS (REAR VIEW SHOWN)
FIG. 5-1**



**INCORRECT INSTALLATION OF
STEPS & SUPPORTS (REAR VIEW SHOWN)
FIG. 5-2**

1. Lower platform to the ground
(FIG. 6-1).

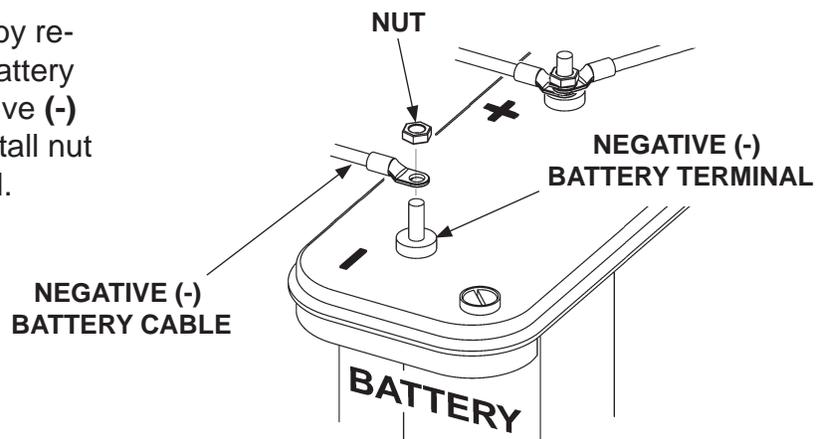


PLATFORM LOWERED TO GROUND
FIG. 6-1

⚠ WARNING

To prevent personal injury and equipment damage, keep the Liftgate from being operated while installing steps on extension plate.

2. Disconnect power from pump by removing nut from negative (-) battery terminal and disconnect negative (-) battery cable (FIG. 6-2). Reinstall nut on negative (-) battery terminal.

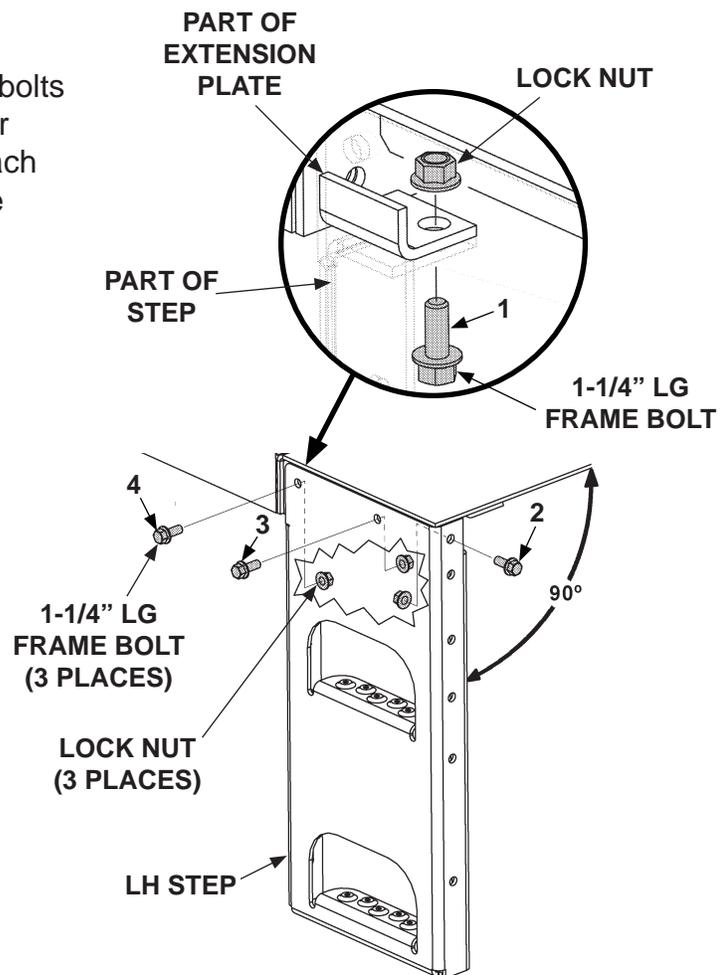


DISCONNECTING POWER
FIG. 6-2

To prevent interference with Liftgate and possible damage, maintain 90° angle between steps and extension plate. Tighten bolts only in the order shown in illustration.

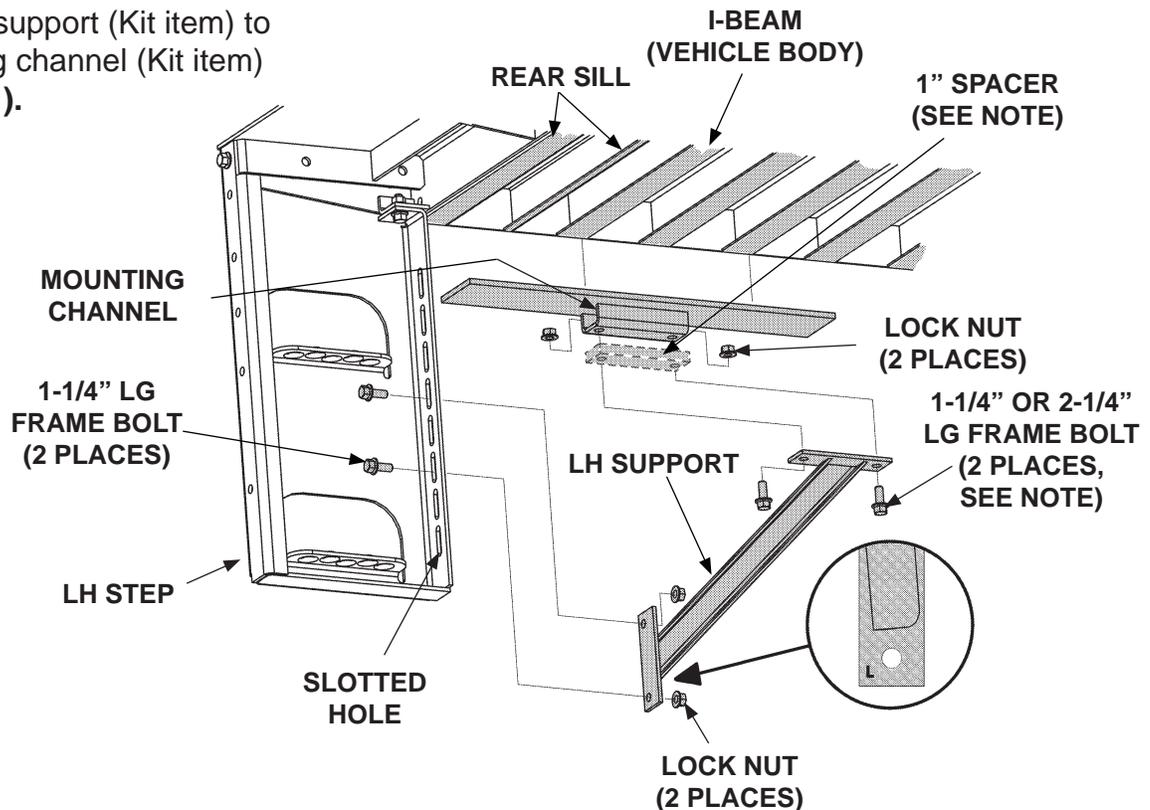
NOTE: If 102" extension kit is to be installed for 102" wide vehicle, install the extension kit before installing the steps. Refer to Instruction Sheet **M-09-06** for installing the extensions.

3. Line up the step (Kit item) on side of the extension plate. Bolt step to extension plate (**FIG. 7-1**). Tighten bolts **1, 2, 3** and **4** in the numbered order shown in **FIG. 7-1**. Then, torque each bolt and lock nut to **105 lb-ft.** in the same order.



**BOLTING STEP TO EXTENSION PLATE
(LH STEP SHOWN)
FIG. 7-1**

4. Bolt the support (Kit item) to mounting channel (Kit item) (FIG. 8-1).



BOLTING SUPPORT TO MOUNTING CHANNEL & STEP (LH STEP & SUPPORT SHOWN)
FIG. 8-1

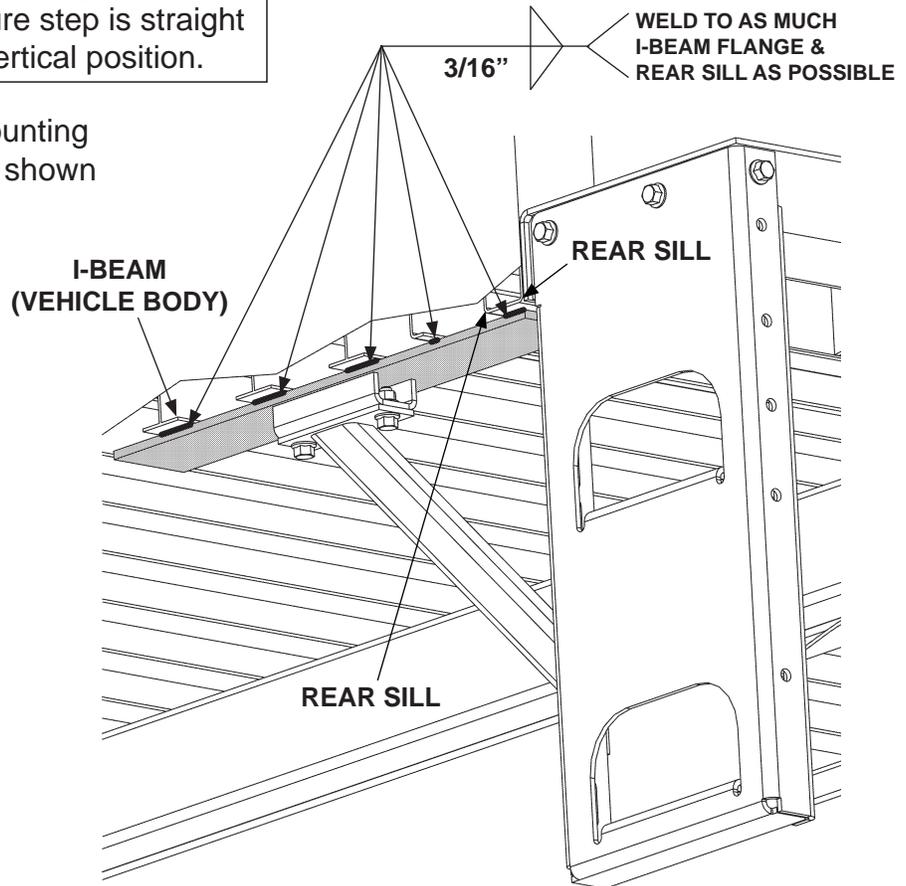
5. Butt the flat part of the mounting channel against bottom of vehicle rear sill and I-beams. Then, butt the support marked "L" against back of the step (FIG. 8-1).

NOTE: If holes in the support and slotted holes in the step cannot be lined up, use 1" spacer and 2-1/4" long frame bolts (Kit items) as illustrated.

6. Ensure holes in the support are lined up with the slotted holes on the step (FIG. 8-1). Then, bolt the support to step (FIG. 8-1). Torque the 4 lock nuts (FIG. 8-1) to **105 lb-ft force**.

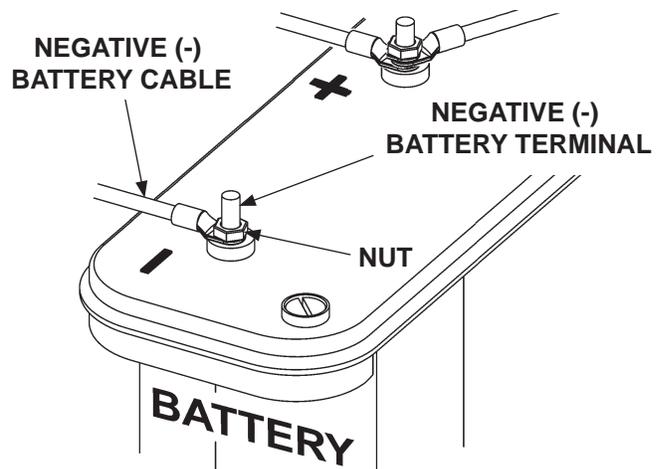
NOTE: Before welding mounting channel to vehicle body, ensure step is straight and steps are in vertical position.

7. Weld the flat part of the mounting channel to vehicle body as shown in **FIG. 9-1**.



WELDING FLAT OF MOUNTING CHANNEL TO VEHICLE BODY (LH STEP SHOWN)
FIG. 9-1

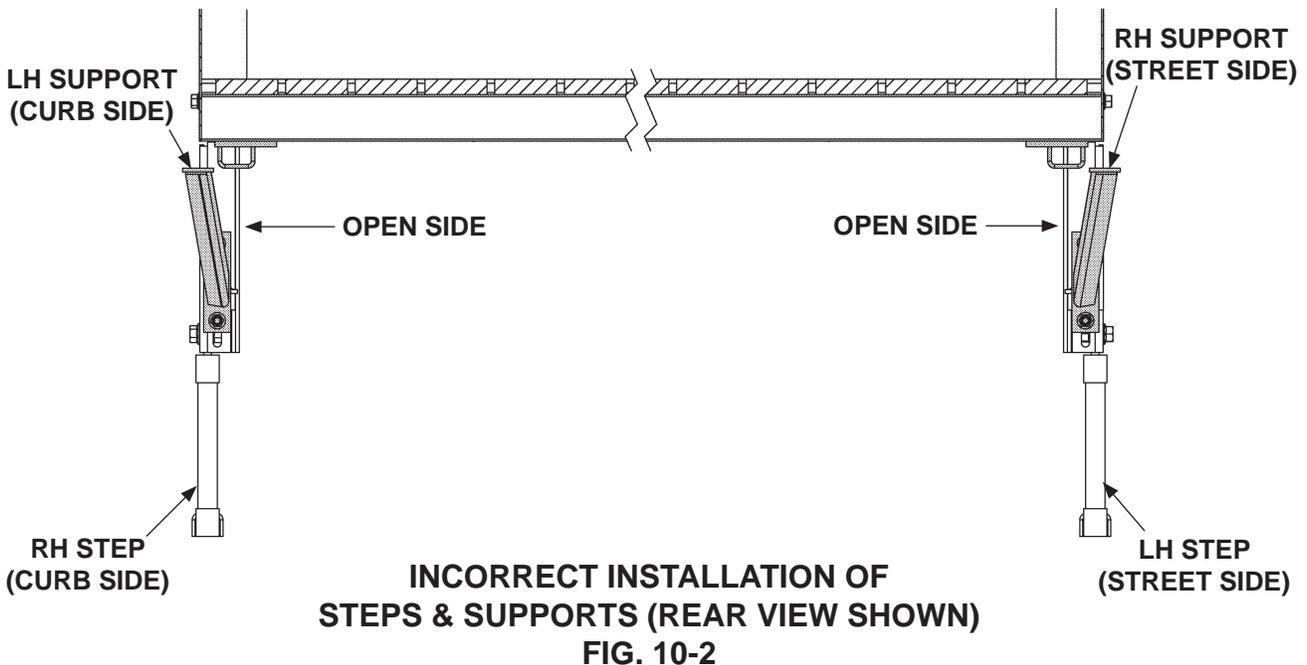
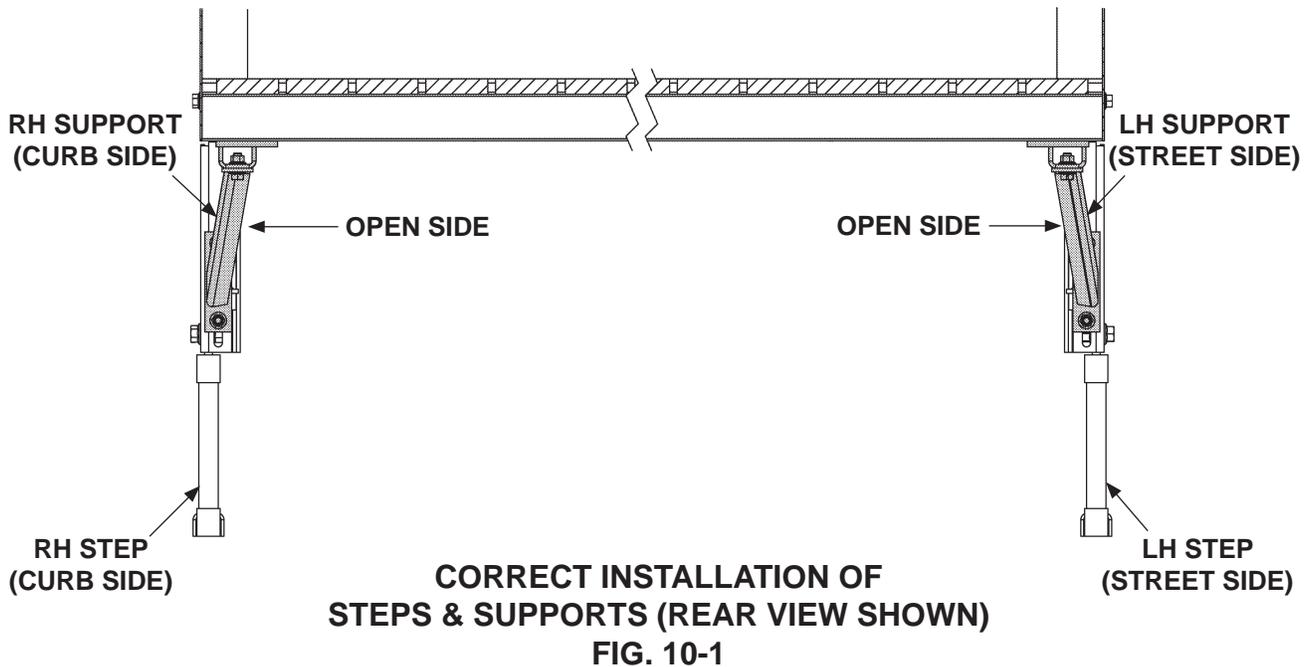
8. Repeat instructions **3 through 7** for RH step. Use the support (Kit item) marked "R".
9. Reconnect power as follows. Remove nut from negative (-) battery terminal. Reconnect the negative (-) battery cable to negative (-) battery terminal (**FIG. 9-2**). Reinstall and tighten nut.



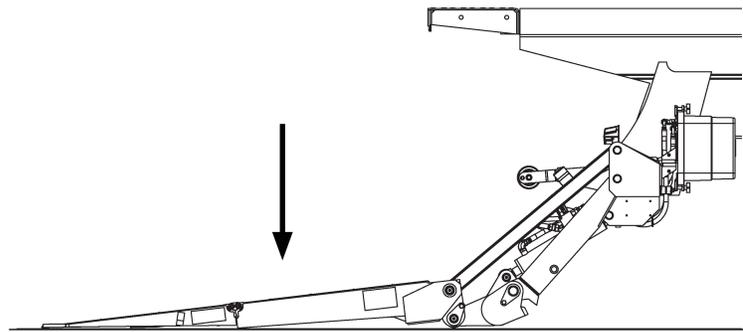
RECONNECTING POWER
FIG. 9-2

BOLT TO EXTENSION PLATE FLEXIBLE DUAL STEPS

NOTE: The figures below illustrate the correct way and incorrect way to bolt flexible steps and supports to extension plate and vehicle. If Liftgate comes with dual steps, follow the instructions for **DUAL STEPS**.



1. Lower platform to the ground
(FIG. 11-1).

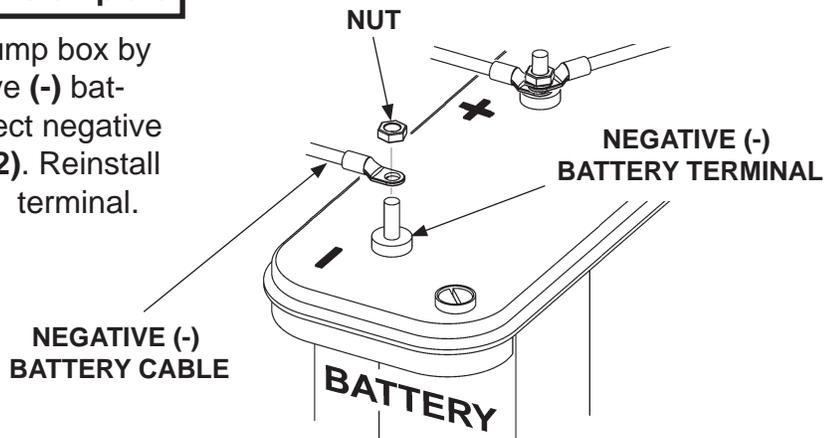


PLATFORM LOWERED TO GROUND
FIG. 11-1

⚠ WARNING

To prevent personal injury and equipment damage, keep the Liftgate from being operated while installing steps on extension plate.

2. Disconnect power from pump box by removing nut from negative (-) battery terminal and disconnect negative (-) battery cable (FIG. 11-2). Reinstall nut on negative (-) battery terminal.



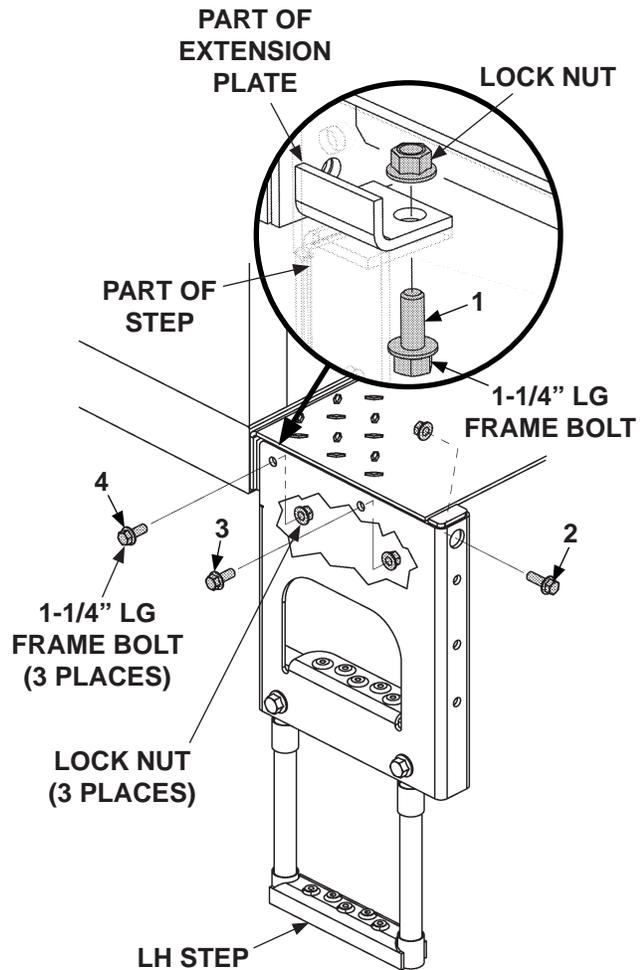
DISCONNECTING POWER
FIG. 11-2

CAUTION

To prevent interference with Liftgate and possible damage, maintain 90° angle between steps and extension plate. Tighten bolts only in the order shown in illustration.

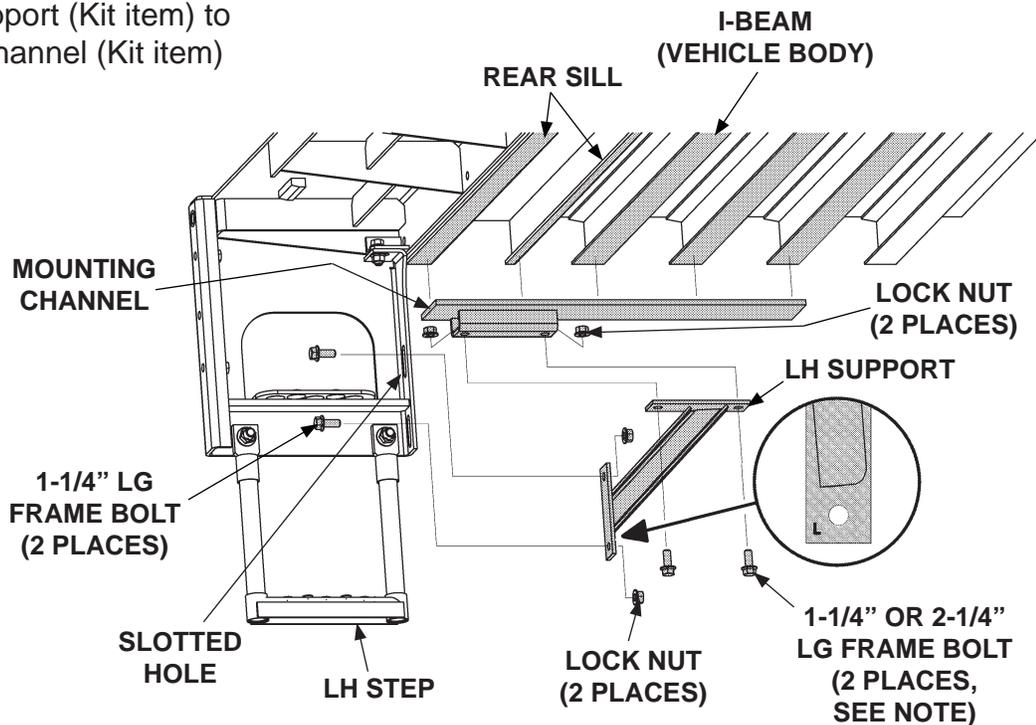
NOTE: If 102" extension kit is to be installed for 102" wide vehicle, install the extension kit before installing the steps. Refer to Instruction Sheet **M-09-06** for installing the extensions.

3. Line up the step (Kit item) on side of the extension plate. Bolt step to extension plate (**FIG. 12-1**). Tighten bolts **1, 2, 3** and **4** in the numbered order shown in **FIG. 12-1**. Then, torque each bolt and lock nut to **105 lb-ft.** in the same order.



**BOLTING STEP TO EXTENSION PLATE
(LH STEP SHOWN)
FIG. 12-1**

4. Bolt the support (Kit item) to mounting channel (Kit item) (FIG. 14-1).



BOLTING SUPPORT TO MOUNTING CHANNEL & STEP (LH STEP & SUPPORT SHOWN)
FIG. 13-1

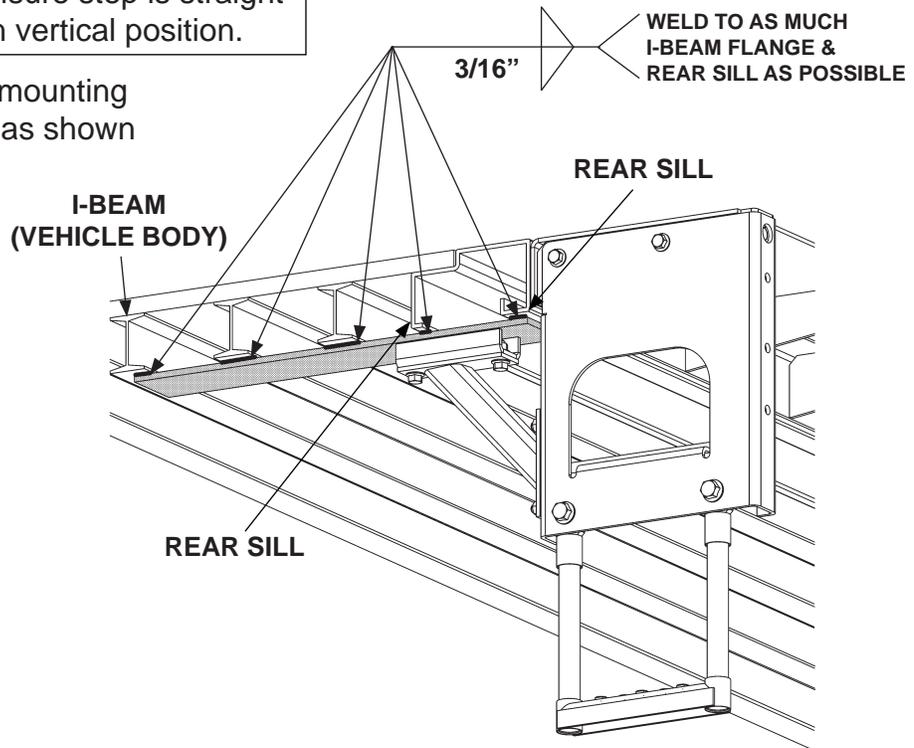
5. Butt the flat part of the mounting channel against bottom of vehicle rear sill and I-beams. Then, butt the support marked "L" against back of the step (FIG. 13-1).

NOTE: If holes in the support and slotted holes in the step cannot be lined up, use 1" spacer and 2-1/4" long frame bolts (Kit items) as illustrated.

6. Ensure holes in the support are lined up with the slotted holes on the step (FIG. 13-1). Then, bolt the support to step (FIG. 13-1). Torque the 4 lock nuts (FIG. 13-1) to **105 lb-ft force**.

NOTE: Before welding mounting channel to vehicle body, ensure step is straight and steps are in vertical position.

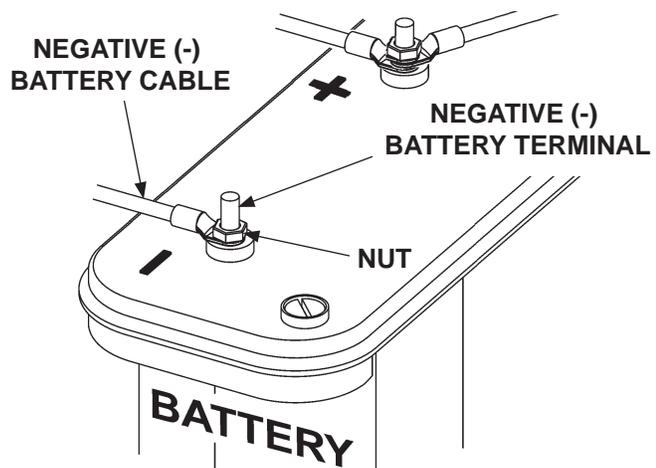
7. Weld the flat part of the mounting channel to vehicle body as shown in **FIG. 14-1**.



WELDING FLAT OF MOUNTING CHANNEL TO VEHICLE BODY (LH STEP SHOWN)
FIG. 14-1

8. Repeat instructions **3 through 7** for RH step. Use the support (Kit item) marked "R".

9. Reconnect power as follows. Remove nut from negative (-) battery terminal. Reconnect the negative (-) battery cable to negative (-) battery terminal (**FIG. 14-2**). Reinstall and tighten nut.

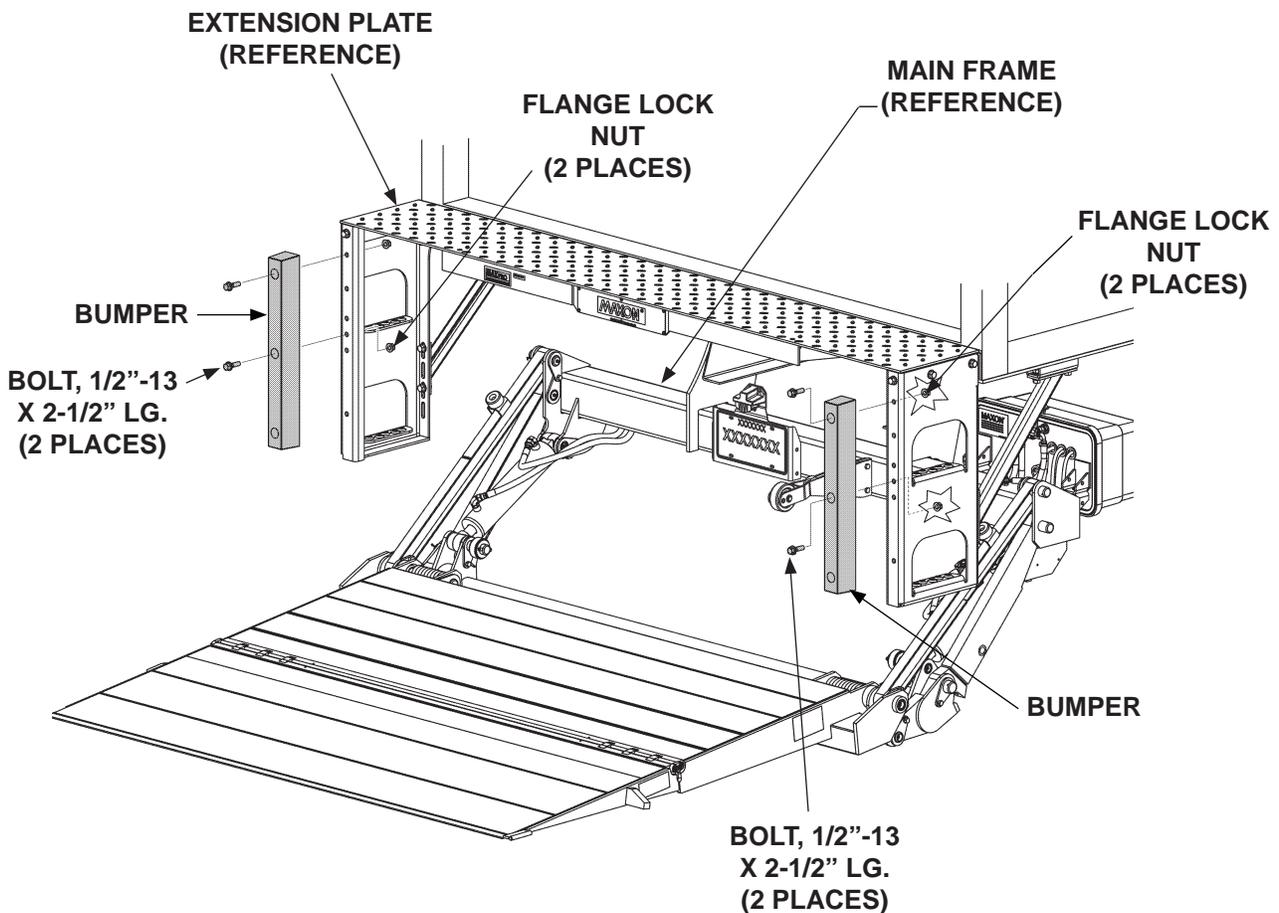


RECONNECTING POWER
FIG. 14-2

BOLT ON RUBBER BUMPERS

NOTE: Rubber dock bumper kits **P/N 283292-01** and **P/N 283292-02** contain 2 rubber bumpers and 2 sets of fasteners for each bumper. Rubber dock bumper kit **P/N 203410** contains 2 rubber bumpers, 2 sets of bushings, and 3 sets of fasteners for each bumper. The illustration in **FIG. 15-1** shows how to bolt rubber bumpers to the bolt-on and weld-on dock bumpers.

Bolt a rubber bumper to each of the 2 dock bumpers (**FIG. 15-1**). Torque the 4 lock nuts (**FIG. 15-1**) from **21 to 32 lb-ft force**.



**BOLTING RUBBER BUMPERS TO BOLT-ON DOCK BUMPERS
(KIT P/N 283292-02 SHOWN)
FIG. 15-1**