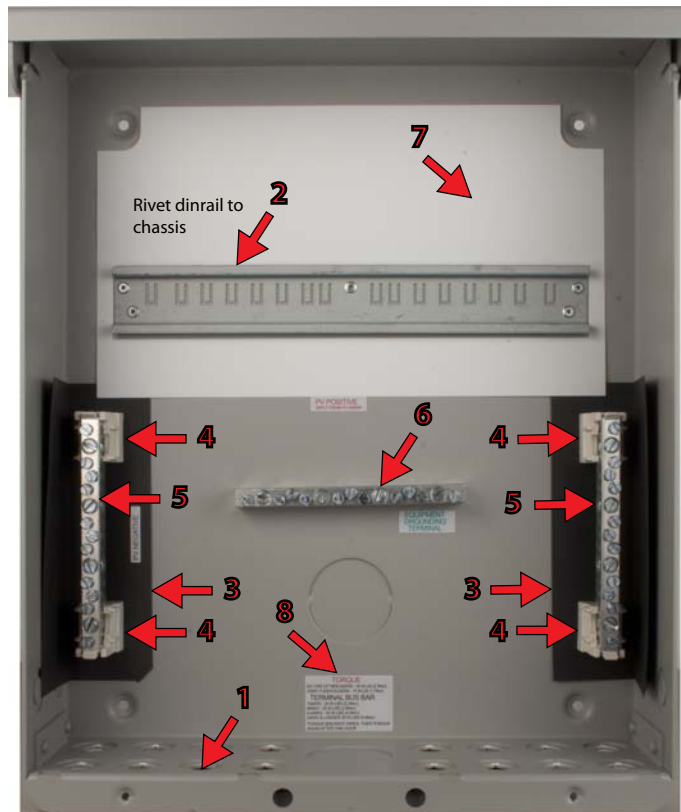


MNPV8 Procedure

May 30, 2011



Lock washer
#10 internal tooth
#6-017-1



Pan head screw
10-32 x 5/16
#6-037-1

Pan head screw 10 x 3/8
#6-007-1

Pan head screw
10-32 x 3/8
#6-036-1

Lock washer
#10 internal tooth
#6-017-1

Step 1.
Punch out the plugs on the bottom of the chassis #3-163-2.

Step 2.
Rivet the dinrail #3-165-1 to the chassis.

Step 3.
Place the black insulator paper #5-022-1 on both sides of the chassis.

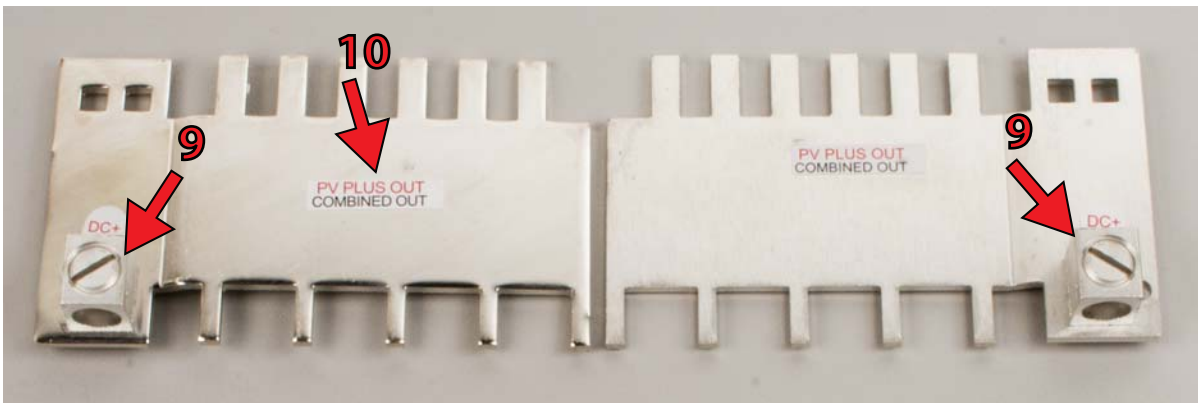
Step 4.
Screw down the white plastic busbar insulators #5-015-2 with #6-036-1 screws. Aluminum chassis strips easily. Don't over tighten.

Step 5.
Attach busbars #9-037-1 to the white busbar insulators.

Step 6.
Screw down the center busbar #9-037-1 with #6-037-1 screws and #6-017-1 lock washers. These screws need to be torqued.

Step 7.
Lay down the white insulator paper #5-036-1 or #5-036-2 around the dinrail.

Step 8.
Apply all inside labels #10-008-1 (See page 2).

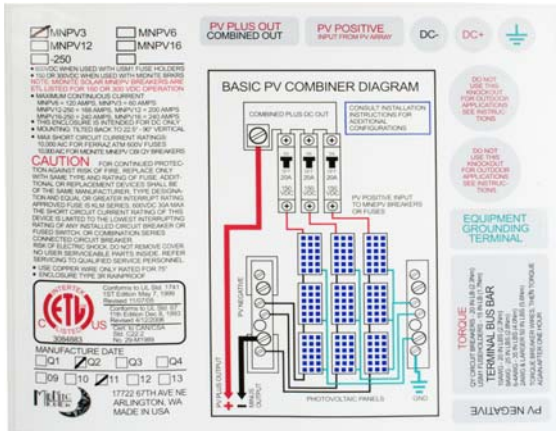


Step 9.

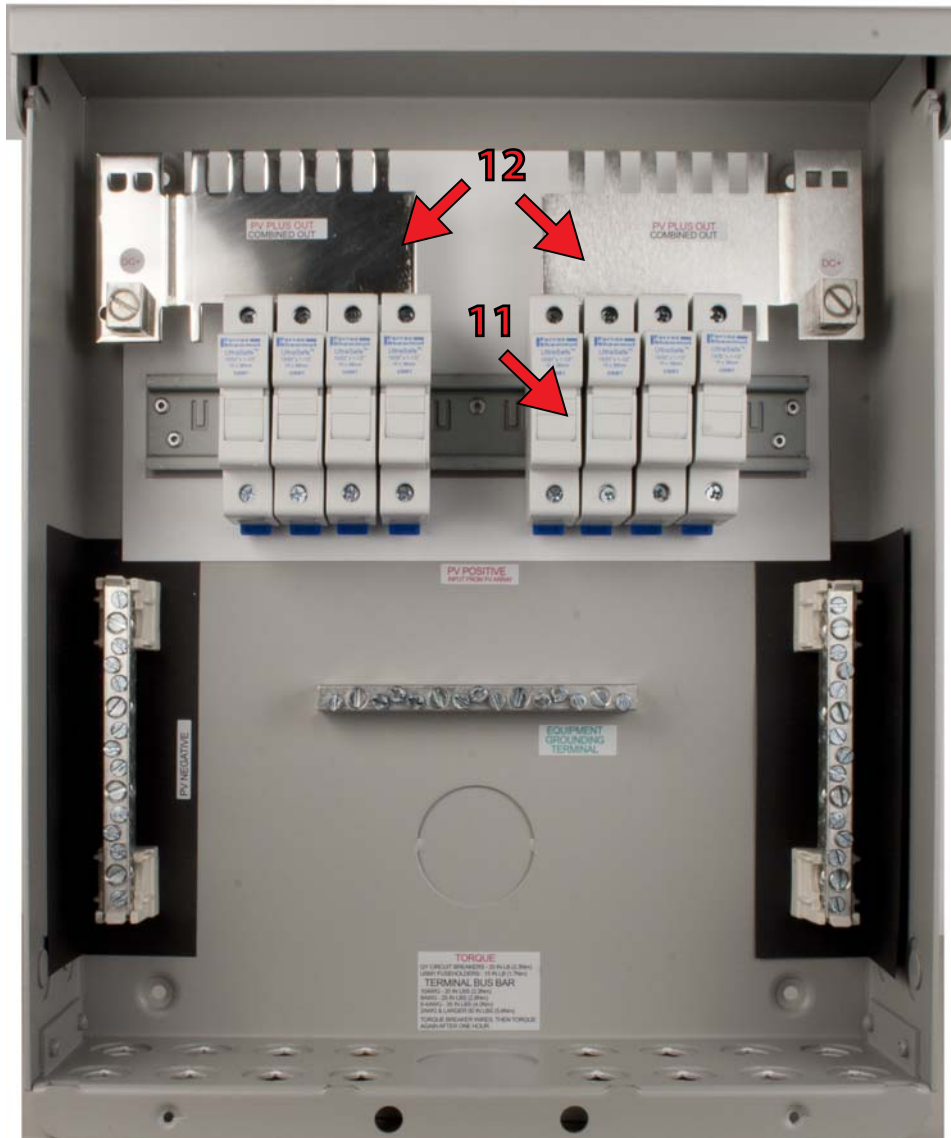
Screw on the terminal blocks #9-075-1 on each busbar #3-174-1 using #6-059-1 screws and #6-017-1 lock washers.

Step 10.

Attach labels on busbars off of the #10-008-1 label sheet

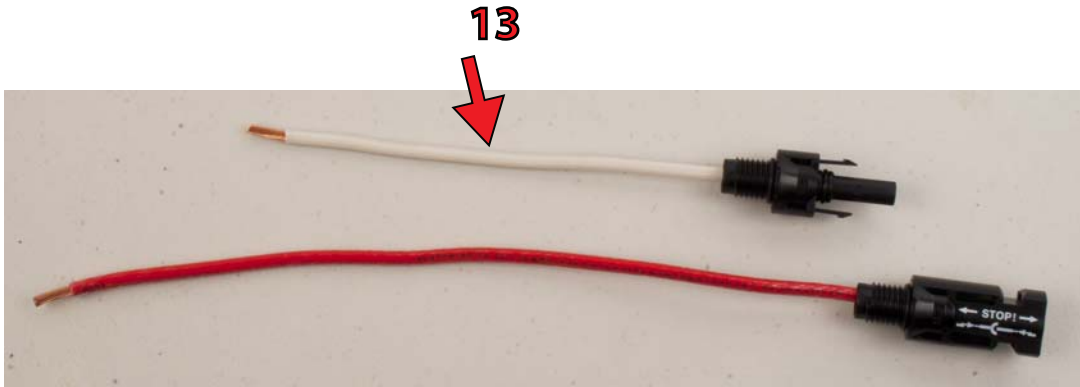


Labels #10-008-1



Step 11.
Attach fuse holders (MNTS) with
15 amp fuses to dinrail.

Step 12.
Screw down busbars to fuse
holder. These need to be torqued
to 20 in lbs.



Step 13.

Attach clips to 10 gauge stranded wire. White wire clips can be found in clip bag #9-250-1. Red wire clips can be found in #9-249-1

Wiresizes are:

White

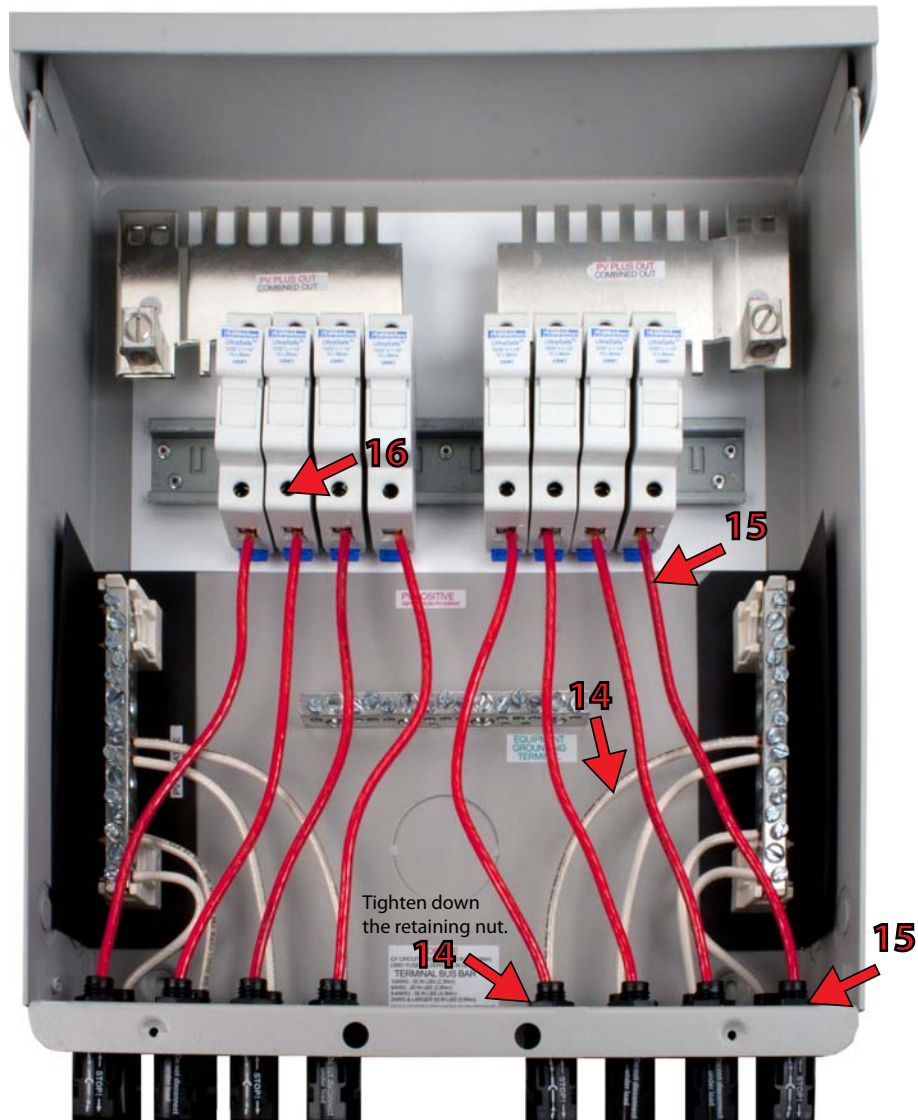
4 ea @ 4 ½"

2 ea @ 7"

2 ea @ 6"

Red:

8 ea @ 9"

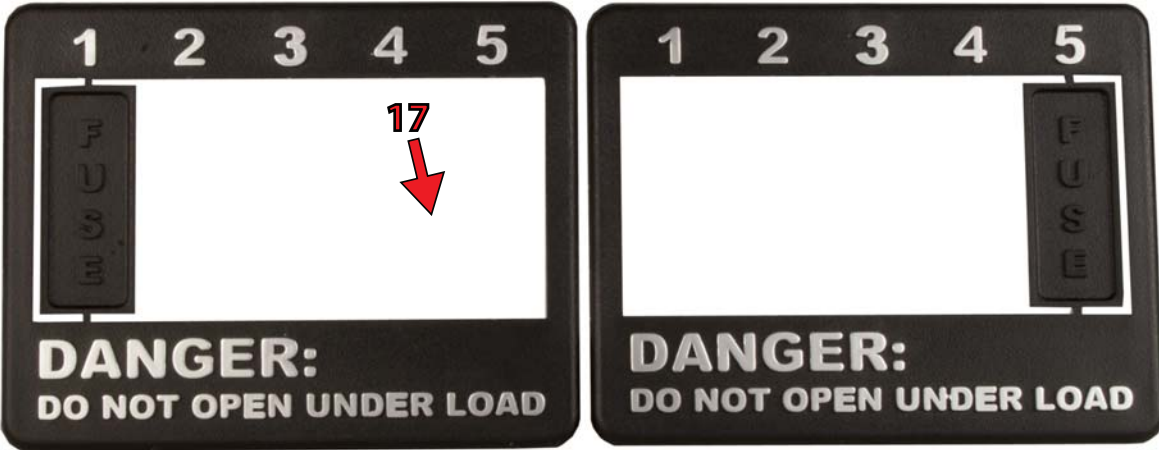


Step 14.
Slide white wires and clips through the bottom punch holes. Slide the retaining nut onto the wire and tighten the clip down to the chassis.

Step 15.
Do the same thing for the red wires.

Step 16.
Slide the ends of the white wires into the busbars first and then the red wires into the fuse holders and tighten down the retaining screws. All retaining screws in both the busbar and fuse holders need to be torqued to 20 in. lbs.

These retaining screws need to be retorqued again in one hour.



Step 17.

Break out the blanks of the fuse holder covers #5-033-1 leaving the right one in place on the right cover and the left blank in place on the left cover. You will have to take a utility knife and trim the artifacts left the inside edges.



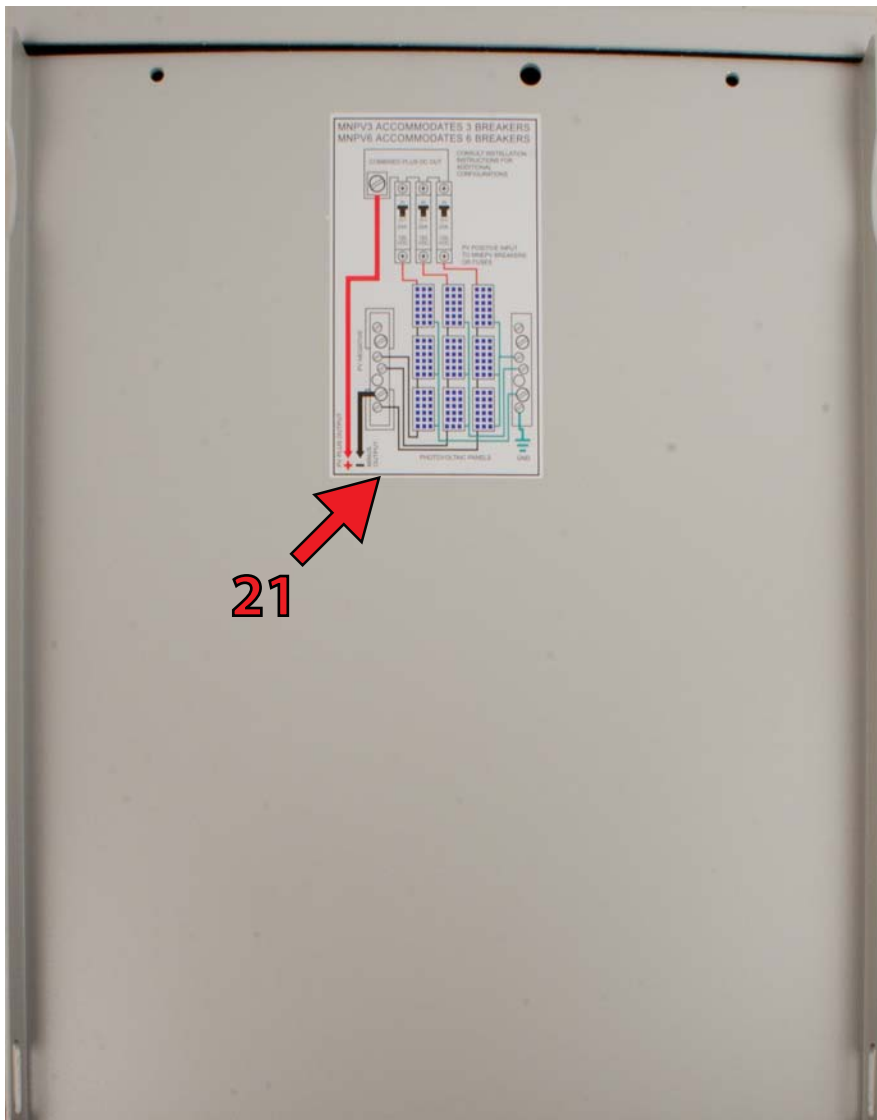
Step 18.

Snap in the fuse holder covers into the deadfront making certain to have the left one on the left side and the right on the right. There are pegs on the back of each corner of the fuse holder cover that have to go into four holes on the deadfront. These pegs are fragile and break off easily.



Step 19.
Attach the deadfront #5-032-1,
placing the bottom end tabs into
holes in the chassis and snap-
ping in the top.

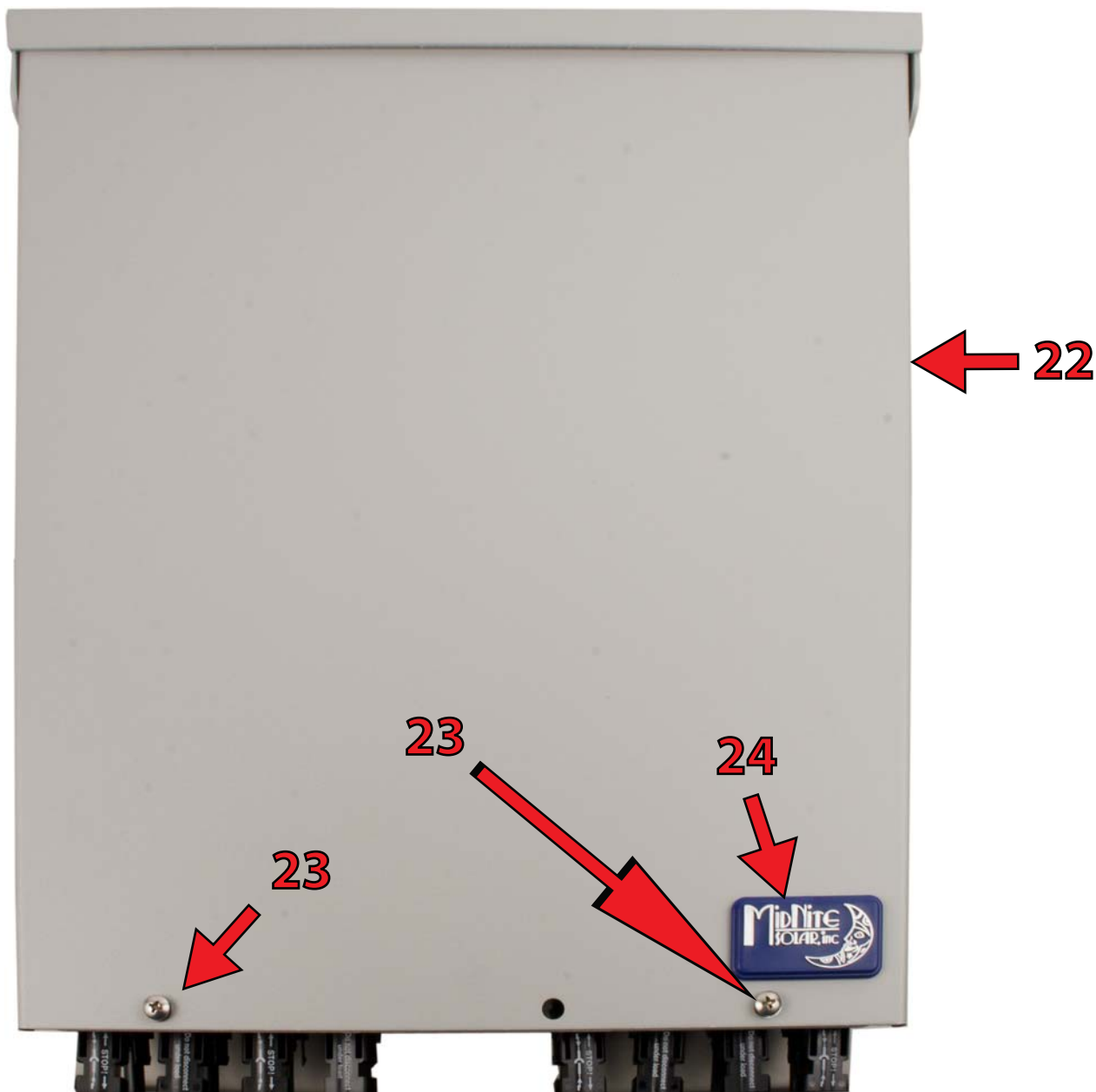
Step 20.
Make sure that the cover removal
note is placed where it can be
screwed down in between the
cover and the chassis.



Step 21.

Attach the label to the inside of the cover #3-164-1 with the cover facing upside down and the label right side up. Attach the side label.

The side label needs to have the model number checked, in this case, the MNPV12 chassis is being used, the actual model of the unit is an MNPV8 using MC4 type clips. Also select which quarter of the year, in this case, the second quarter (Q2) and the last two digits of the year the unit was assembled, (11).



Step 22.
Attach the cover to the chassis.

Step 23.
Screw down the cover using two #6-007-1 screws and two #6-017-1 lock washers. Make sure the cover removal note is screwed down with one of the screws.

Step 24.
Attach a MidNite Solar badge #5-029-1 to the lower right of the cover.



Step 25.
Place unit in the plastic bag the
unit came with.



Step 26.
Place unit in the box with packing
and the manual #10-053-1.



Step 27.
Place box label #10-054-1 on the
box and tape the box up.