

NEWMAR CORPORATION WARRANTY DEPARTMENT

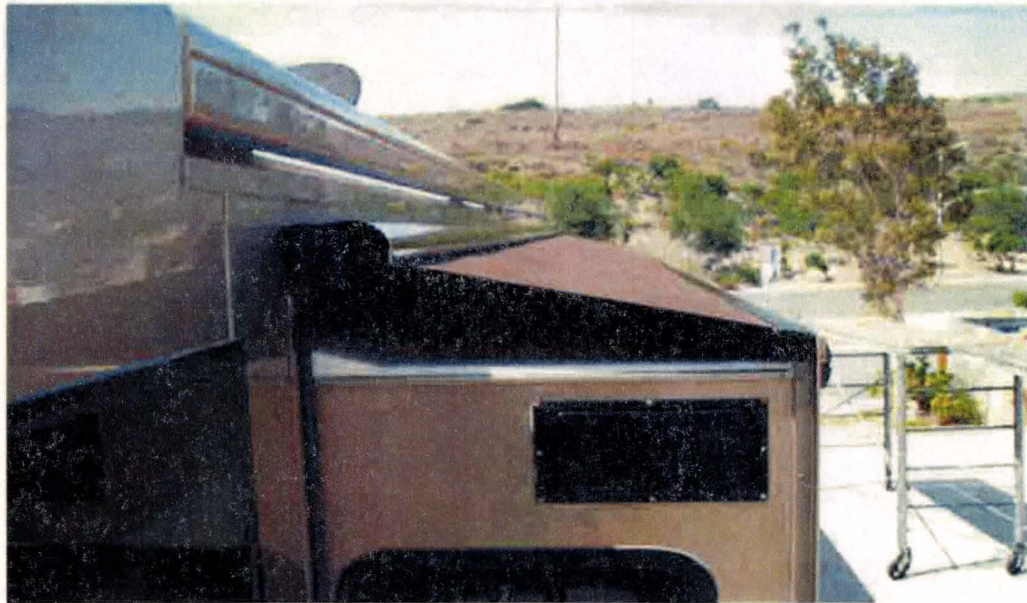
TECHNICAL SERVICE BULLETIN							
DATE ISSUED	MODEL YEAR(S) AFFECTED		MODEL(S) AFFECTED			TSB #	
11/08/2012	2012/2013		Mountain Aire, Essex, King Aire			397	
BRAND						TYPE	
All	<input type="checkbox"/>	American Star	<input type="checkbox"/>	Mountain Aire	<input checked="" type="checkbox"/>	All	<input type="checkbox"/> TT <input type="checkbox"/>
Cypress	<input type="checkbox"/>	Dutch Star	<input type="checkbox"/>	Kountry Aire	<input type="checkbox"/>	FW	<input type="checkbox"/> CA <input type="checkbox"/>
Northern Star	<input type="checkbox"/>	Kountry Star	<input type="checkbox"/>	Essex	<input checked="" type="checkbox"/>	DP	<input checked="" type="checkbox"/> DB <input checked="" type="checkbox"/>
Scottsdale	<input type="checkbox"/>	King Aire	<input checked="" type="checkbox"/>	London Aire	<input type="checkbox"/>		
All Star ME	<input type="checkbox"/>	Ventana	<input type="checkbox"/>	Bay Star	<input type="checkbox"/>		
<input type="checkbox"/> Air Conditioning & Heating <input type="checkbox"/> Appliances & Accessories <input type="checkbox"/> Cabinets & Furniture <input type="checkbox"/> Chassis Components <input type="checkbox"/> Construction Components				<input type="checkbox"/> Electrical Components <input checked="" type="checkbox"/> Exterior Components <input type="checkbox"/> Interior Components <input type="checkbox"/> Plumbing & Bath Components <input type="checkbox"/> Windows, Awnings, Vents, & Doors			
DESCRIPTION OF PROBLEM							
<p>The intent of this Bulletin is to inform that Girard Systems is offering repairs to all of the identified units with full wall slide outs that have a 10' awning cradle, to retrofit them to the 2' awning cradle.</p>							
RECOMMENDED SOLUTION							
<p>The bulletin "ONLY" applies to 2012/2013 Newmar HighLine units with full wall slide outs.</p> <p style="text-align: center;"><u>Read this bulletin in its entirety prior to beginning any diagnosis or repairs.</u></p> <p><u>Flat Rate code:</u> 0793/TSB 397 <u>Labor Time :</u> 4.0 hours</p> <p><u>Newmar KIT Part #</u> 016517 <u>Vender Kit part #</u> 1511113-03K</p>							



GIRARD SYSTEMS

**G5000 CRADLE RETRO FIT
SLIDE-OUT AWNING SYSTEM**

July 16, 2012



INSTRUCTIONS FOR 2 FOOT CRADLE RETRO FIT

GIRARD REPLACEMENT KIT #1511113-03K

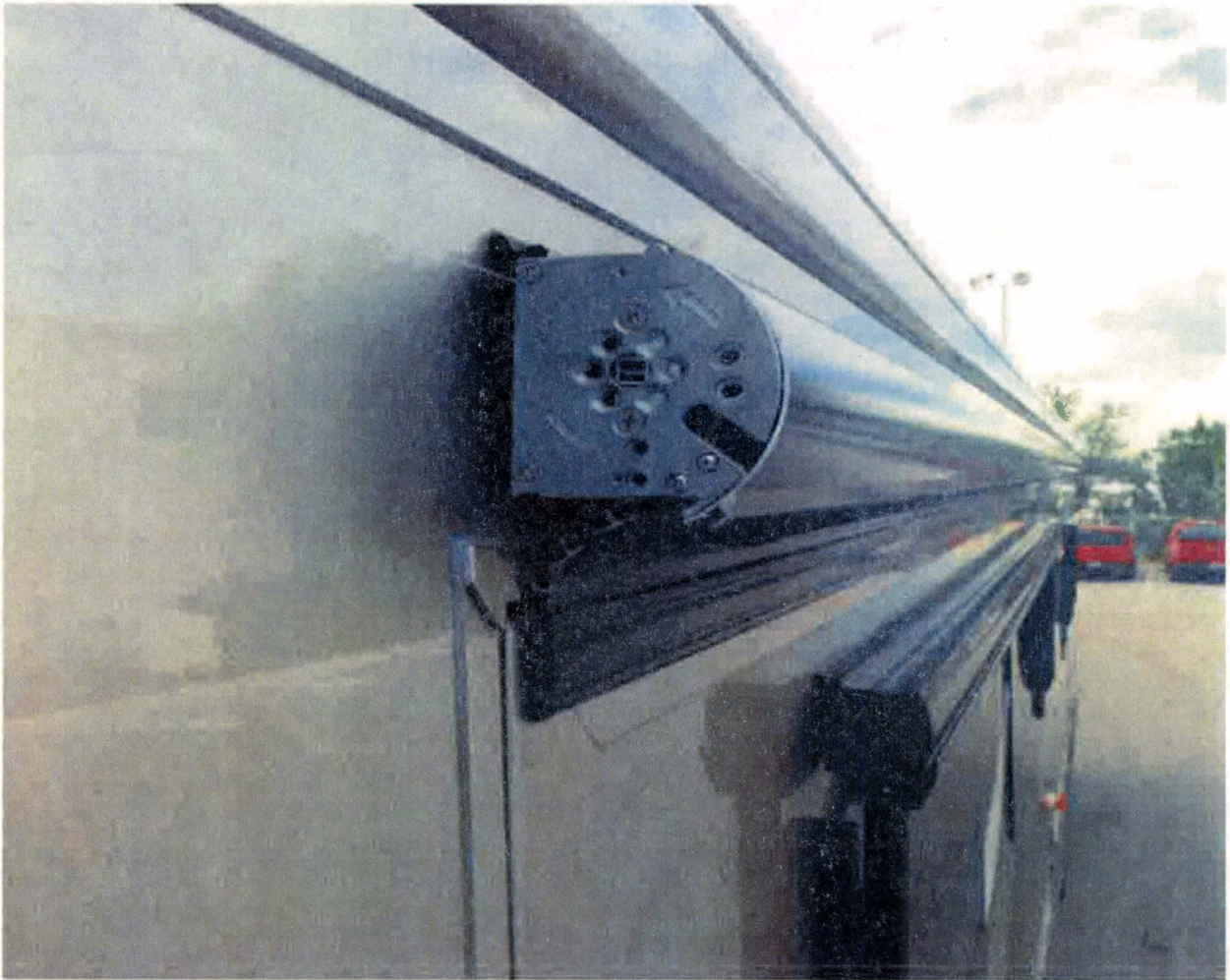


DIAGRAM 1

- Remove plastic end plates.

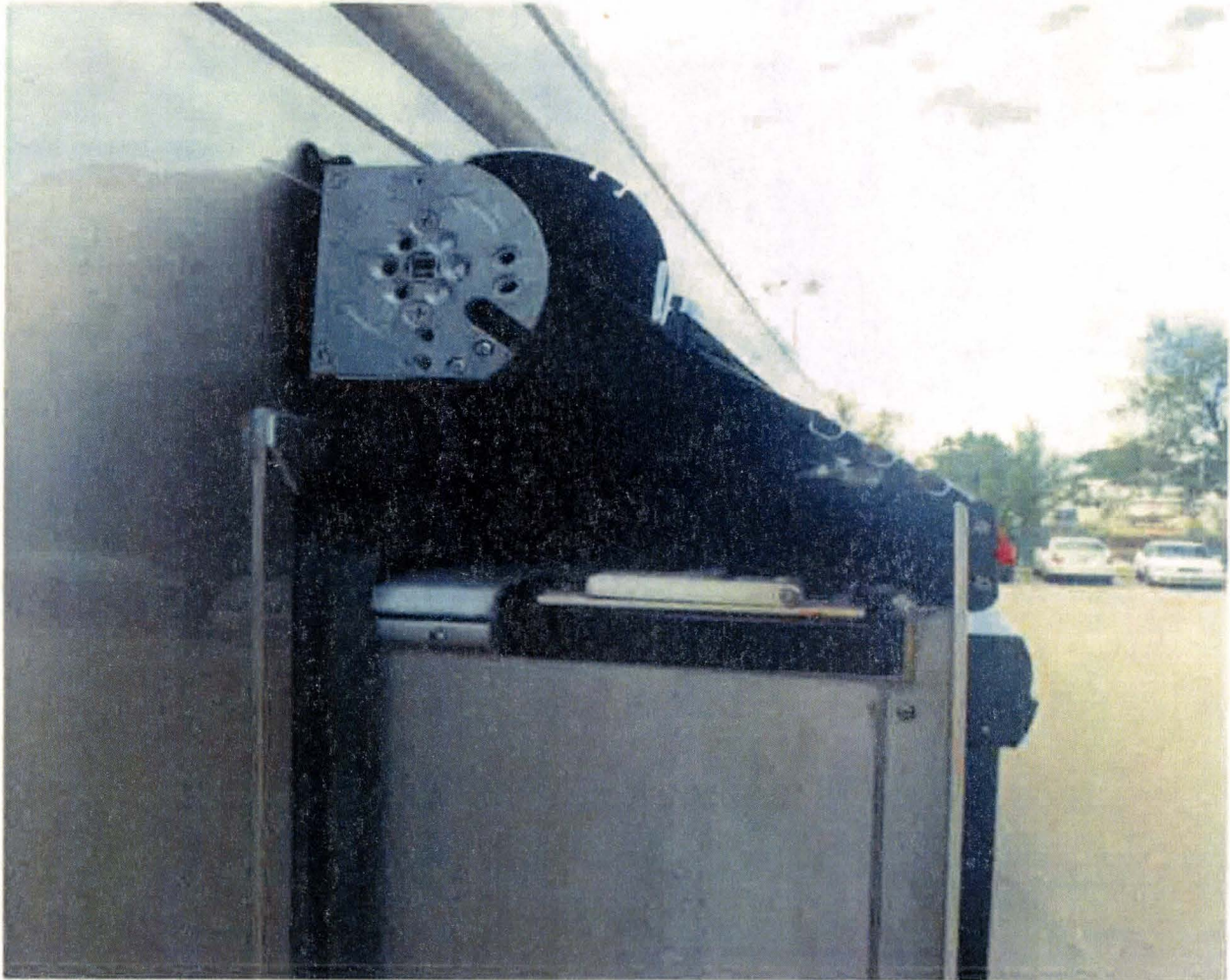


DIAGRAM 2

- Extend Slideroom approximately 12”.
- Detention rear spring.
- Remove articulation screws.

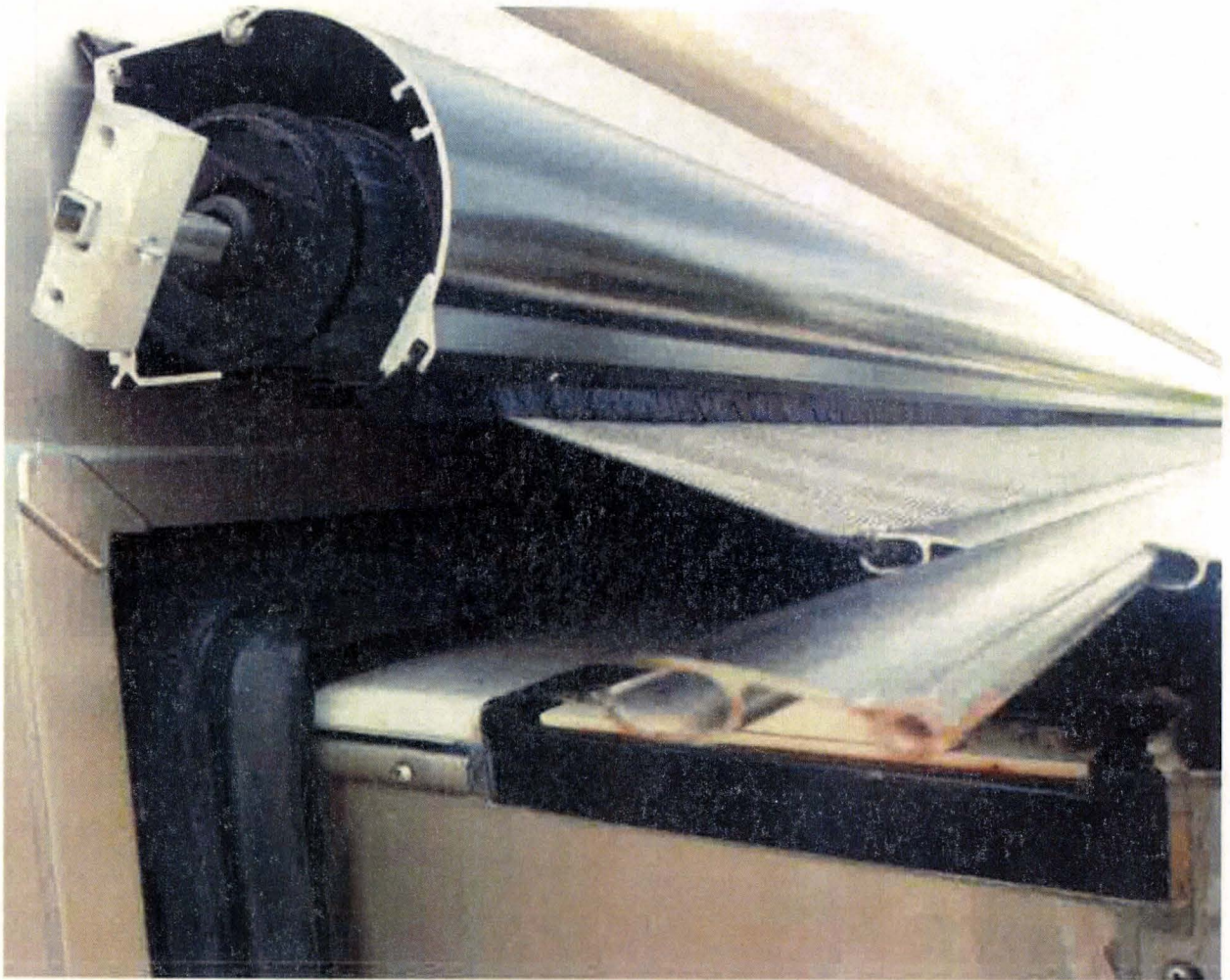


DIAGRAM 3

- Detention front spring.
- Remove metal end plate.
- Remove center articulator rail screws.
- Remove center articulation rail.



DIAGRAM 4

- Remove center articulation rail.



DIAGRAM 5

- Remove main housing cover.
- Note: There should be three (3) people assisting on the removal of main housing cover and removal of the awning/fabric tube.



DIAGRAM 6

- When removing the tube, make sure someone is at the center cradle area to protect the fabric from snagging on the cradle.
- The awning tube should be pulled out far enough from the frame to clear the cradle.
- Place the released awning tube on the slide, and the front end resting on the 12 foot ladder.

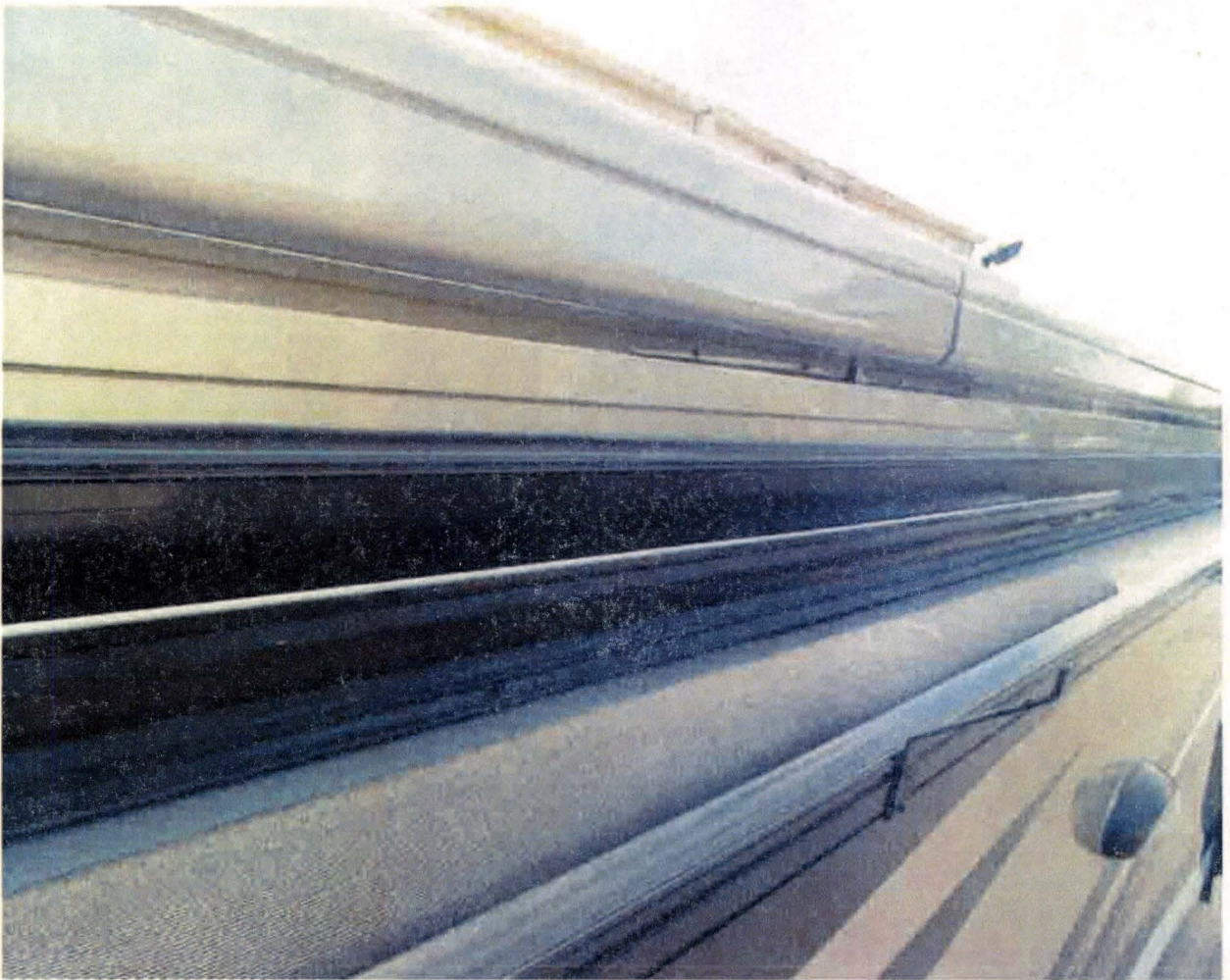


DIAGRAM 7

Remove cradle from frame.

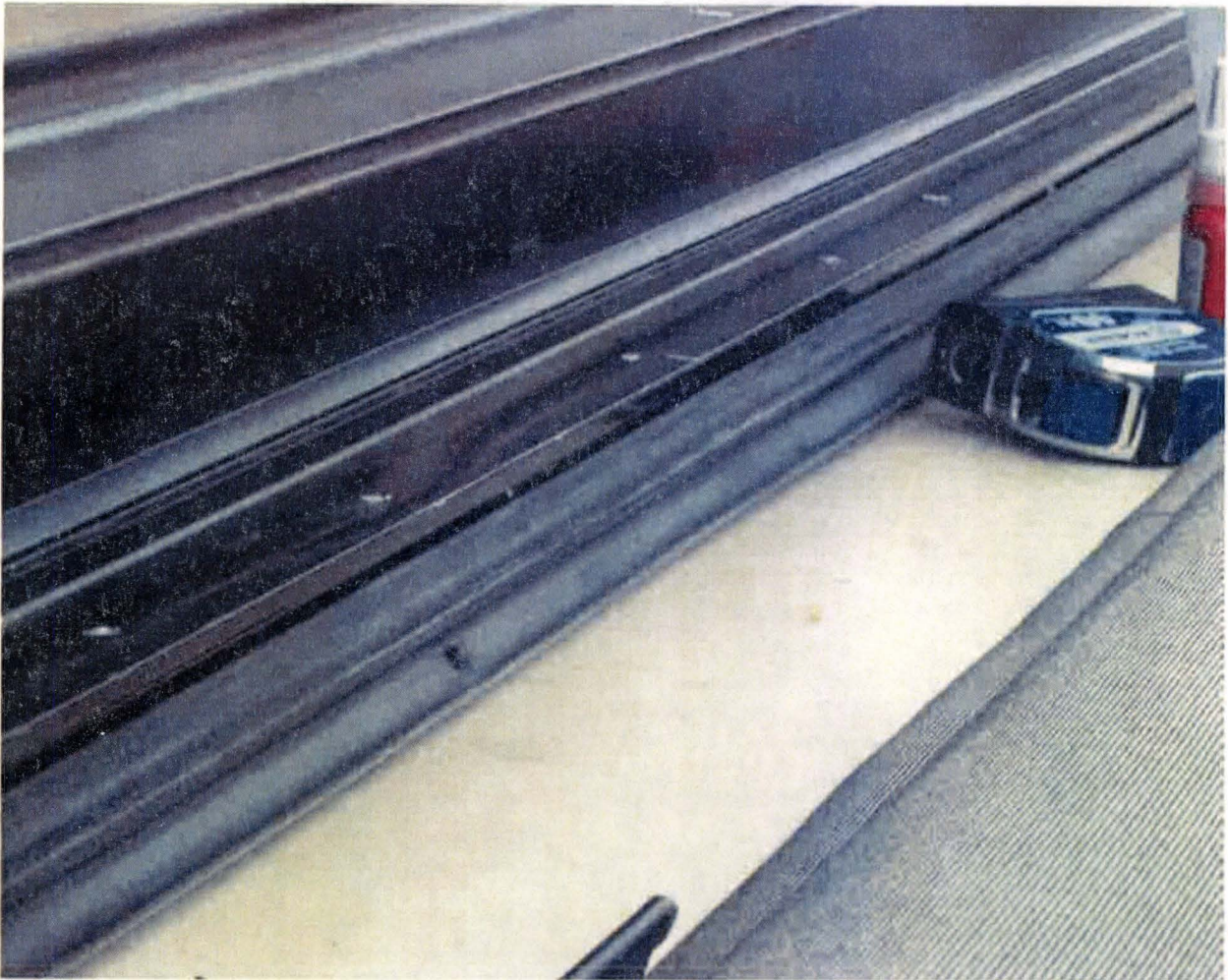


DIAGRAM 8

- Measure to find center of frame.
- Mark center.
- Place two (2) foot cradle centered on mark inside the frame.
- Clamp in place.
- Mark the five (5) hole locations on to the frame.



DIAGRAM 9

- Drill two (2) pilot holes using the cradle as a template.
- Remove cradle.
- Using a $7/32$ " (#2) drill bit enlarge the pilot holes.

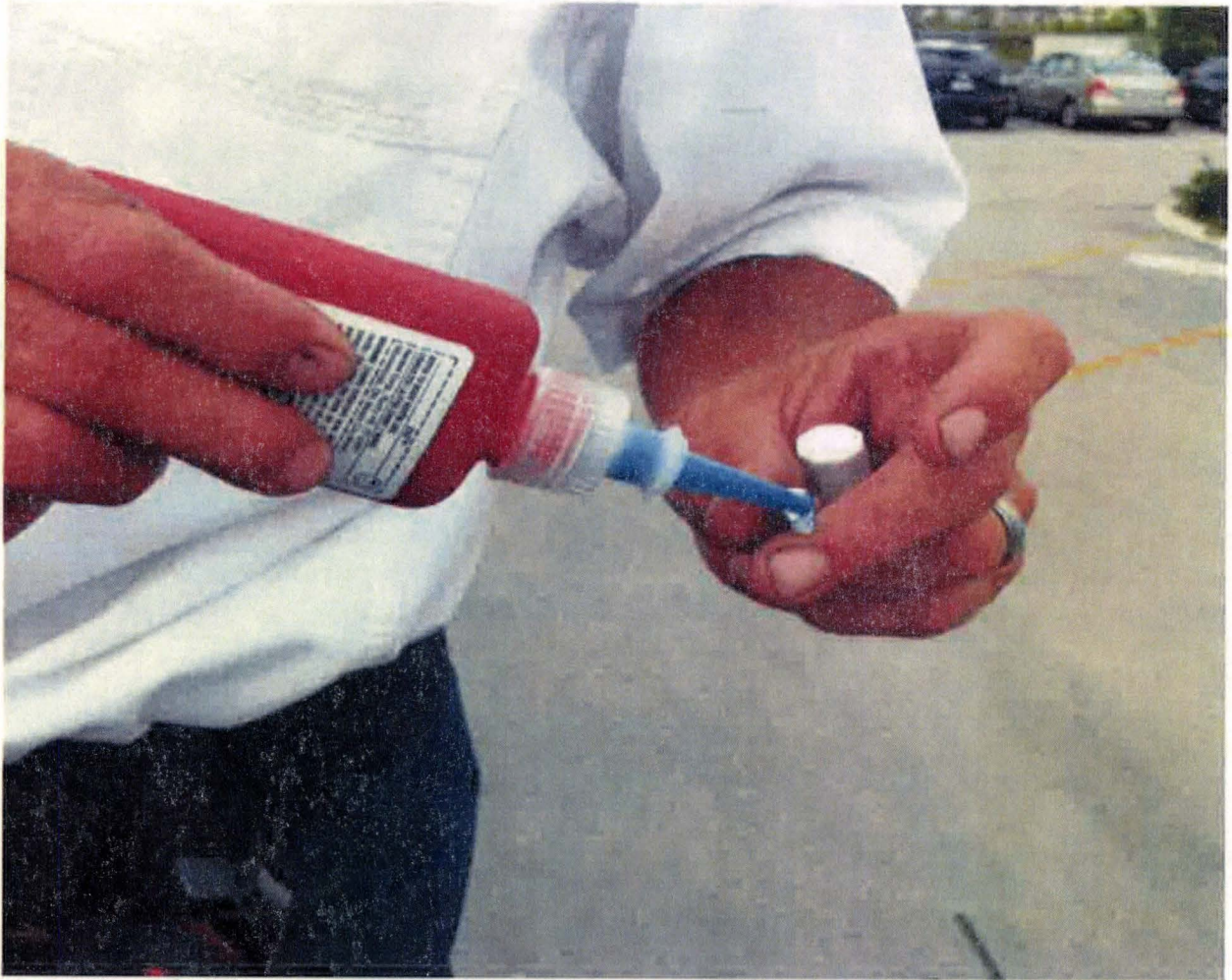


DIAGRAM 10

- Use “LOCTITE” on all fasteners.
- Place cradle back in to frame.
- Align two (2) end holes and install fasteners.

NOTE: Ensure that fastener is flush to inside of cradle. Failure to do this could damage the fabric.



DIAGRAM 11

- Drill three (3) remaining holes with 7/32" (#2) drill bit.
- Use "LOCTITE" on remaining fasteners and ensure all are flush and tight.



DIAGRAM 12

- Remove all debris from the frame (blow out with air if possible).
- Clean top of slide of all debris.

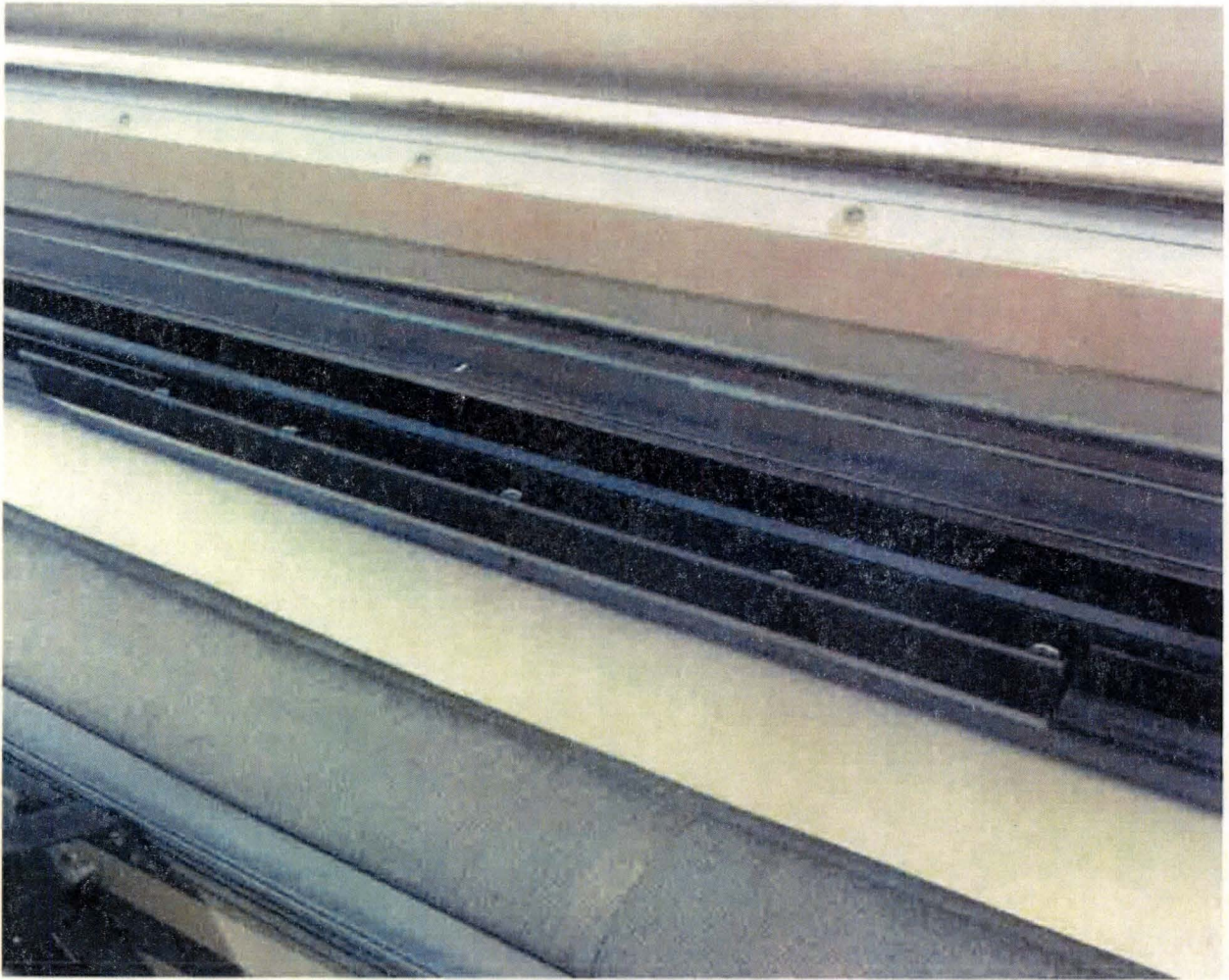


DIAGRAM 13

- Inspect cradle fasteners for proper flush position.

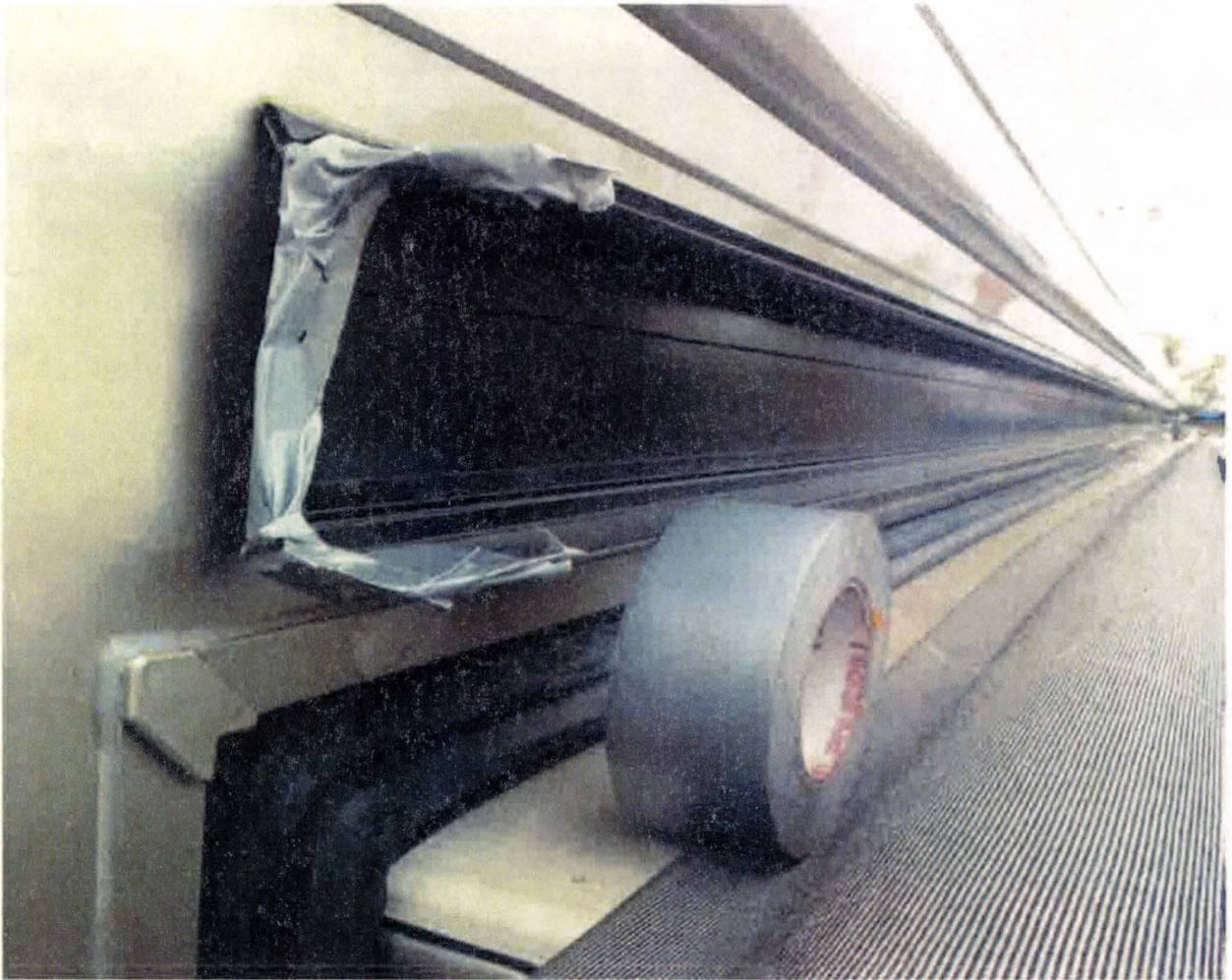


DIAGRAM 14

- Tape end of frame and front of cradle to prevent the fabric from snagging on sharp edges.

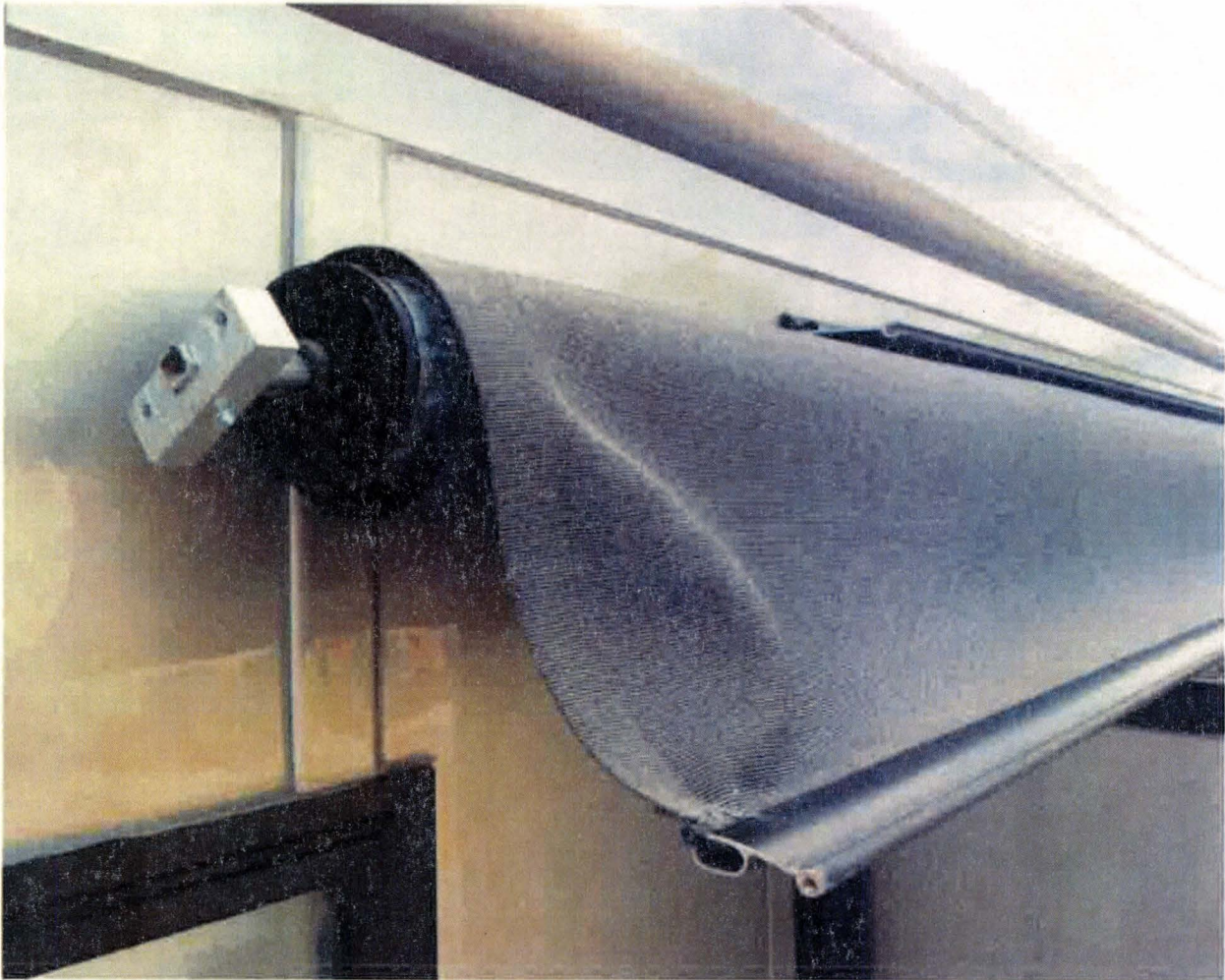


DIAGRAM 15

- Replace awning tube and fabric.

NOTE: It is suggested that three (3) technicians are in position to replace the awning tube and fabric.

1. One technician at the cradle area.
2. Second technician at the front (taped area).
3. Third technician supporting at the front end of the tube.

All should coordinate movements for the ease of insertion of tube and fabric.



DIAGRAM 16

- Remove safety tape from cradle and frame.
- Replace the top cover.

NOTE: It is suggested that three (3) technicians are in position to replace the top cover.

1. One technicians at the cradle area.
2. Second technician at the front.
3. Third technician supporting at the front end of the top cover.

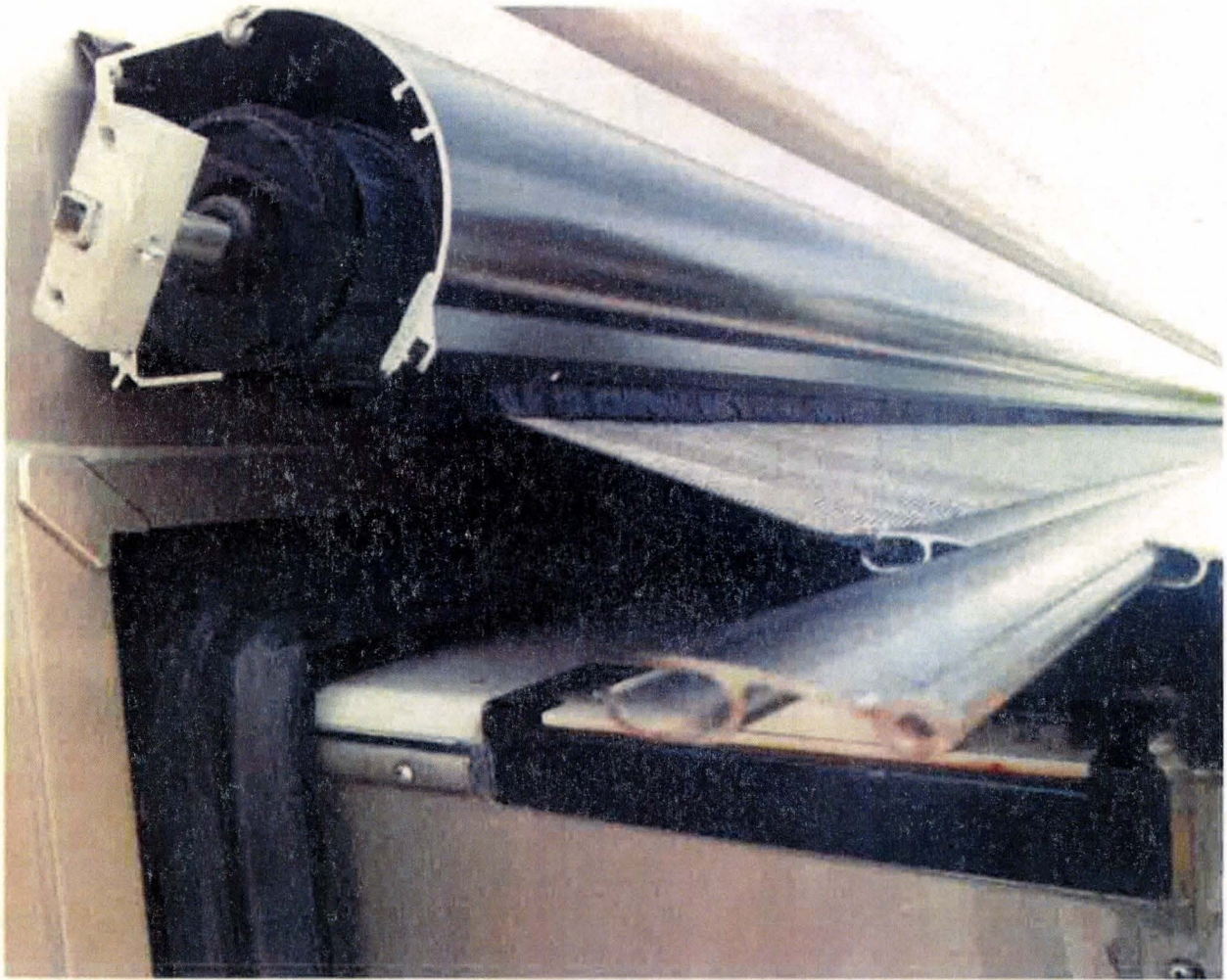


DIAGRAM 17

- Reinsert center articulation rail.

NOTE: It is easier to reinsert if it is guided into position by two people working together).

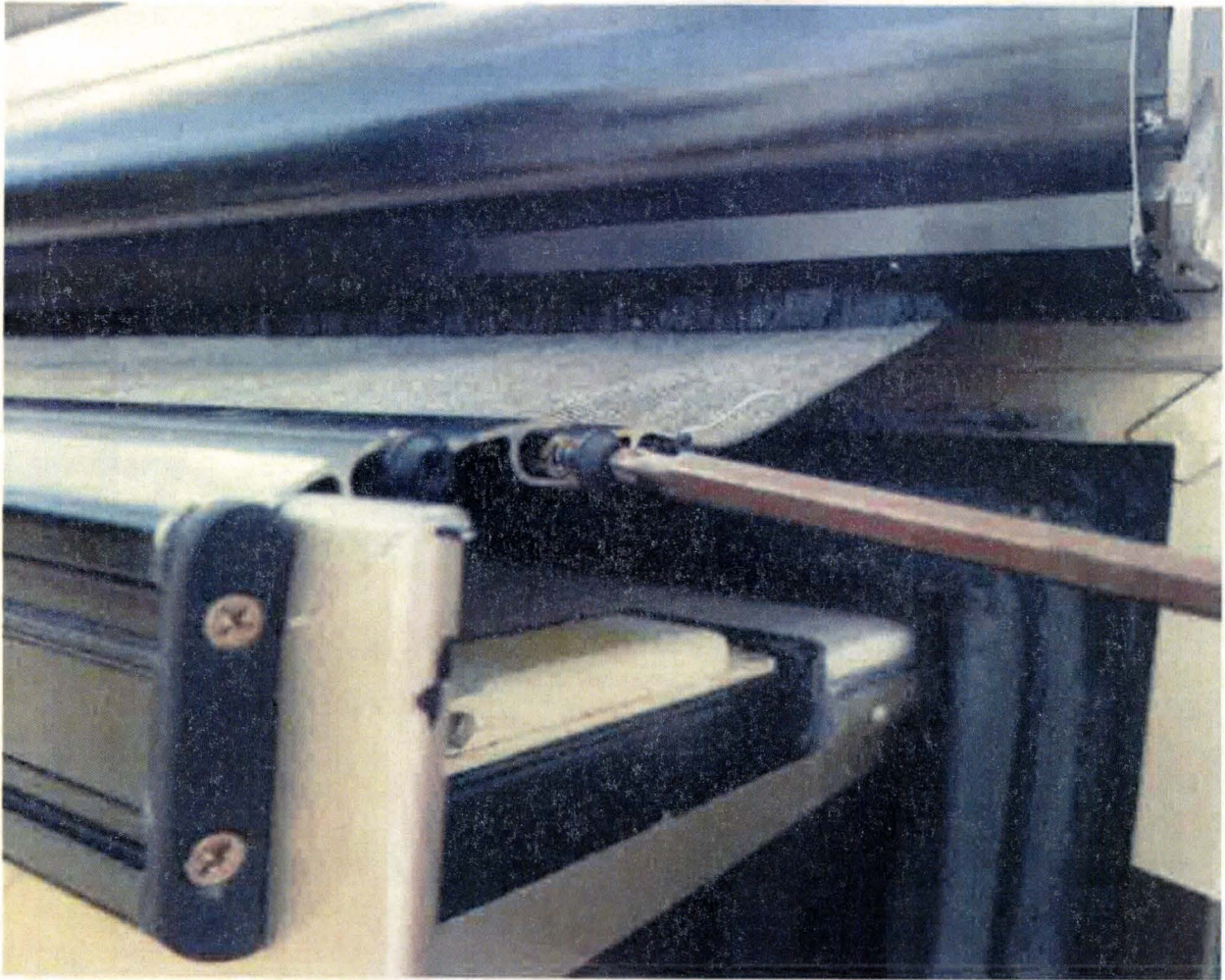


DIAGRAM 18

- Align awning fabric tube into frame.
- NOTE: Ensure that the awning fabric tube is located properly to the metal end plate.
- Replace articulator screws (front and back).



DIAGRAM 19

- Align awning tube and re-attach **front** metal end plate.
- Using tensioning tool take up fabric slack.
- When awning fabric is taut, begin to tension.
- Re-tension the awning spring (a **minimum of fourteen (14) 1/2 turns.**)
- While under tension, reinstall spring block screws.

Repeat this process for the rear spring.

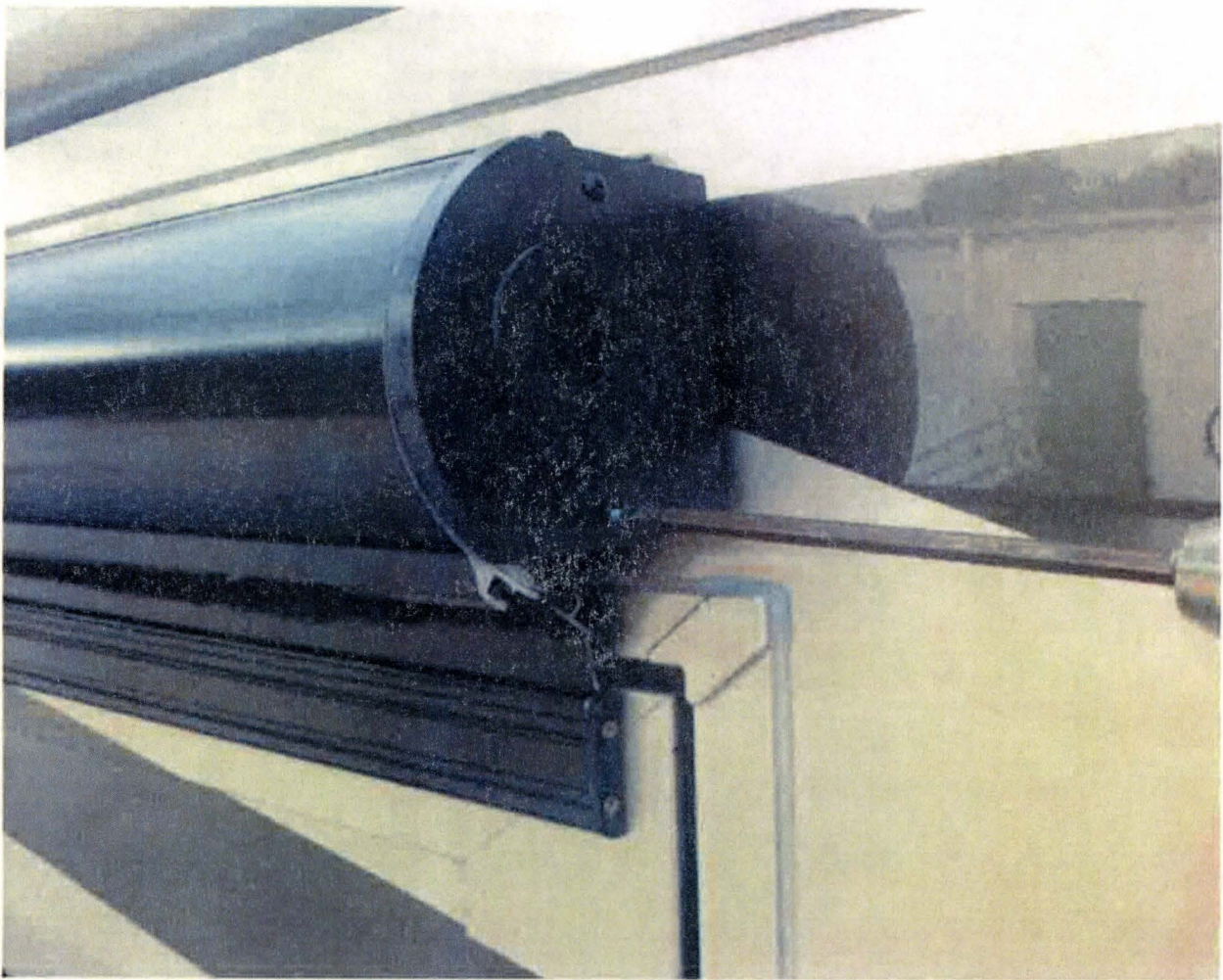


DIAGRAM 20

- Replace plastic end caps.

For "Quality Assurance" purposes run awning slide IN and OUT a minimum of three (3) times.