

NEWMAR CORPORATION WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN																	
DATE ISSUED		MODEL YEAR(S) AFFECTED		MODEL(S) AFFECTED		TSB #											
9/11/07		2007		X-Aire FW		317											
BRAND						TYPE											
All	<input type="checkbox"/>	American Star	<input type="checkbox"/>	Mountain Aire	<input type="checkbox"/>	All	<input type="checkbox"/>										
		Dutch Star	<input type="checkbox"/>	Kountry Aire	<input type="checkbox"/>	T T	<input type="checkbox"/>										
X-Aire	<input checked="" type="checkbox"/>	Kountry Star	<input type="checkbox"/>	Essex	<input type="checkbox"/>	F W	<input checked="" type="checkbox"/>										
Scottsdale	<input type="checkbox"/>	Northern Star	<input type="checkbox"/>	London Aire	<input type="checkbox"/>	C A	<input type="checkbox"/>										
						D P	<input type="checkbox"/>										
						D B	<input type="checkbox"/>										
<table border="0"><tr><td><input type="checkbox"/> Air Conditioning & Heating</td><td><input type="checkbox"/> Electrical Components</td></tr><tr><td><input type="checkbox"/> Appliances & Accessories</td><td><input checked="" type="checkbox"/> Exterior Components</td></tr><tr><td><input type="checkbox"/> Cabinets & Furniture</td><td><input type="checkbox"/> Interior Components</td></tr><tr><td><input type="checkbox"/> Chassis Components</td><td><input type="checkbox"/> Plumbing & Bath Components</td></tr><tr><td><input type="checkbox"/> Construction Components</td><td><input type="checkbox"/> Windows, Awnings, Vents, & Doors</td></tr></table>								<input type="checkbox"/> Air Conditioning & Heating	<input type="checkbox"/> Electrical Components	<input type="checkbox"/> Appliances & Accessories	<input checked="" type="checkbox"/> Exterior Components	<input type="checkbox"/> Cabinets & Furniture	<input type="checkbox"/> Interior Components	<input type="checkbox"/> Chassis Components	<input type="checkbox"/> Plumbing & Bath Components	<input type="checkbox"/> Construction Components	<input type="checkbox"/> Windows, Awnings, Vents, & Doors
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DESCRIPTION OF PROBLEM																	
<p>Rear ramp door support mechanism does not provide sufficient range of adjustment to allow for possible support or lift scenarios. Also, eyelet opening for cable end bolt is too small to allow for proper rotation while operating the ramp door. Please note that there are two sets of cooperative instructions for this procedure; be sure to read the entire TSB and procedure before beginning the repairs.</p>																	
RECOMMENDED SOLUTION																	
<p>Follow attached repair procedure. Be sure to read the procedure thoroughly prior to performing the inspection and repairs. Use caution when performing this repair, and REPAIR ONLY ONE SIDE AT A TIME per the procedure.</p> <p>Parts can be ordered through the Newmar Parts Department. Dealers will need to order kit #012588 (includes 2 pieces - 012588A cable and hardware and 2 pieces – 012588B 7-hole bracket).</p> <p>Please call for authorization prior to repairs.</p> <p>Labor Code: 5022</p> <p>Labor Time: 1.0 (w/authorization)</p>																	

Ramp Door Cable (Bracket) Change

1. Check the ramp door cable on the unit to determine if the cable needs to be changed. If the eyelet thickness is 3/8" then the cable does not need to be changed. If the eyelet thickness is 1/8" then the cable must be changed. The bracket will be changed regardless of whether the cable gets changed or not.
2. If you are not changing the cable but only the door bracket complete step 1 of the manufactures instructions and then skip to step 6.
3. Follow the instructions provided from the lift assist manufacturer for step 1 and step 2. At the end of step 2 it states to remove the trolley by sliding it out the top. Due to clearance problems the column will need to be removed to get the trolley out. To remove the column back out the screws that fastens it to the rear wall. (If the unit has the optional pull down screen door that will need to be removed to get to the column fasteners.) To remove the screen door back out the screws that fastens the screen door brackets to the sidewall. Slide the complete assembly forward to allow access to the column screws.
4. Follow steps 3 thru 6 of the manufactures instructions.
5. Remove the fiberglass bumper from the ramp door by removing the screws along the top of the bumper and on the sides of the bumper. Carefully remove the bumper paying attention to the wires running to the taillights.
6. Remove the bolts that fasten the cable bracket to the ramp door. **(Make sure that you are only doing this on the bracket that has the loose cable.)** Install the new longer bracket on the door using the same mounting holes. Proceed to step 7 of the manufactures instructions.
7. Once both brackets (and cables if needed) have been replaced the bumper should be put back on and resealed.
8. Test the cable adjustment by opening the door and lowering the ramp. If the ramp lifts off the ground close and lock the door and move the cable in door bracket one hole closer to the hinge and tighten cable nuts again.

Instructions for changing cables on the Zero-G ramp lift system.

CAUTION:

For safety reasons only one cable should be removed at a time.

Separating Cable

- Step 1
- With door closed and latched.
- Loosen jam nut.
- Unscrew turnbuckle from stud.
- The cable should now be completely separated.



Removing Trolley

- Step 2
- Remove bolt that attaches the strut to the trolley. A 9/16 socket works best.
- With the bolt removed push the trolley upward to remove it from the column.



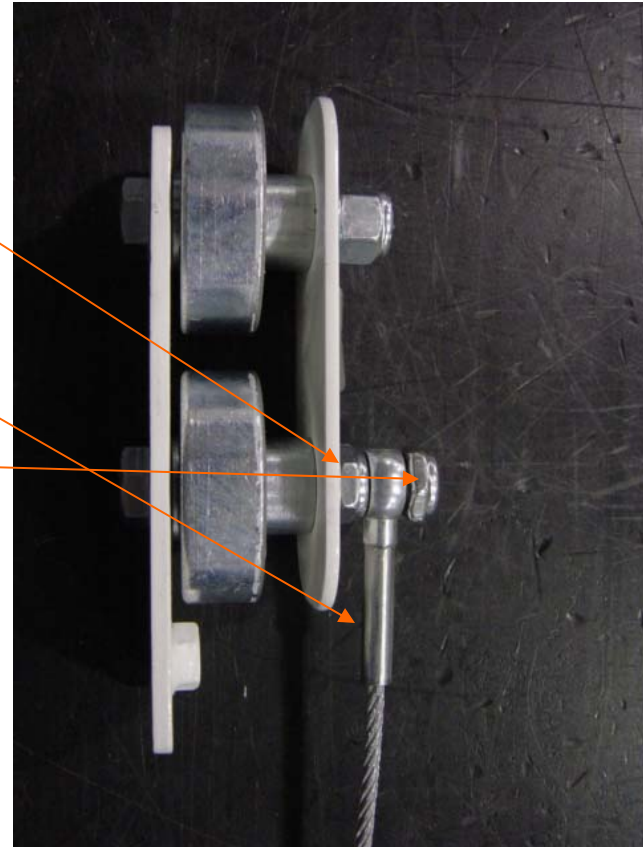
Removing old cable

- Step 3
- Set the plastic glide block aside.
- Remove thin nylock nut.
- Remove cable.
- Remove full nylock nut.

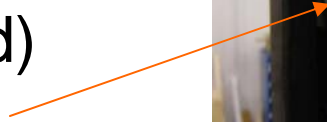


Installing new cable

- Step 4
- Take the thin nylock nut just removed from the trolley, thread it back on the stud and tighten fully.
- Place new cable on stud.
- Take second thin nylock nut (supplied) and thread it on until flush with stud.
- **CAUTION:** The cable must rotate freely on stud. If cable does not rotate freely adjust outer nut until it does. Failure to do so will severely diminish the performance of the system and may cause damage to the cable.



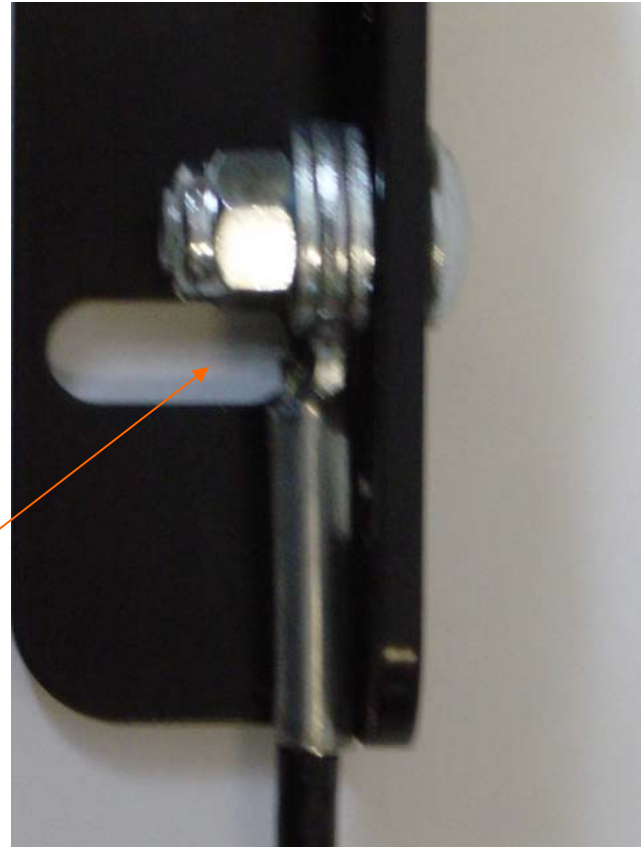
Reinstalling trolley

- Step 5
- Place plastic glide block on back of trolley and reinstall trolley into the column.
- Place a small amount of thread lock (not included) on 3/8 bolt and reinstall. 
- Tighten bolt until snug and then back off a $\frac{1}{4}$ turn. Over tightening of this bolt will cause the system to operate improperly.



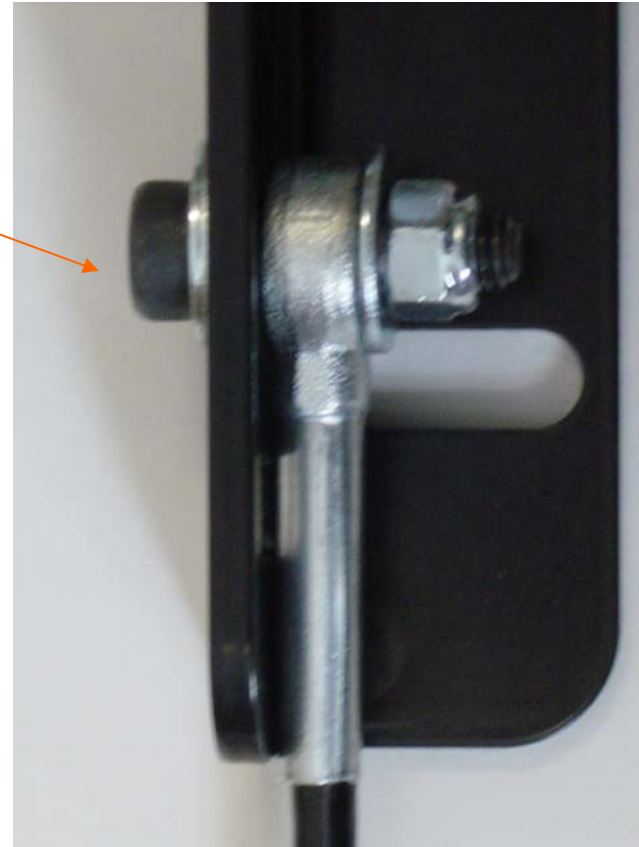
Removing old cable

- Step 6
- Carefully unlock and open door. Keep in mind that only one cable is connected and you may need help to open and close the door.
- Remove the nut, cable, and carriage bolt from the bracket mounted on the door.



Installing new cable

- Step 7
- Using same location on the door bracket install the shoulder bolt, washers, new cable, and nut as shown. (hardware included)
- **CAUTION:** The cable must rotate freely on stud. If cable does not rotate freely adjust nut until it does. Failure to do so will severely diminish the performance of the system and may cause damage to the cable.



Connecting cable

- Step 8
- Close and lock the door.
- Screw the turnbuckle onto the stud until there is no slack left in cable.
- Retighten jam nut.
- Repeat steps 1-8 on other side.

