

# SECTION 3

# TROUBLESHOOTING

M1000 SERIES LEVELERS ARE TESTED AND ADJUSTED AT THE FACTORY. HOWEVER, MINOR ADJUSTMENT TO THE MAIN SPRINGS MAY BE REQUIRED ONCE THE UNIT IS INSTALLED. (UNITS WITH WEATHER SEALS NORMALLY REQUIRE MAIN SPRING ADJUSTMENT TO INSURE PROPER LIP EXTENSION.)

NOTE: ALWAYS SECURE LEVELER WITH MAINTENANCE STRUT BEFORE SERVICING.

NOTE: REFERENCE ITEM NUMBERS LISTED BELOW ON PAGES 3-3 AND 3-4.

SYMPTOM:	PROBABLE CAUSE:	CORRECTION:
<p>WHEN RELEASE RING IS PULLED, DECK RAISES BUT LIP DOES NOT FULLY EXTEND AND LOCK.</p> <p>Note: With Hydra-Lip Option, lip is designed to begin closing once extended, or when truck departs. No adjustment is required. Assem. # 30</p>	<p>1. Improper main spring adjustment.</p>	<p>Tighten both main spring adjustment nuts one or two rotation clockwise and re-test. Item #7 (1 1/2" socket or wrench)</p>
	<p>2. Lip lock spring is stretched.</p>	<p>Replace spring or lower spring one or two links in snubber chain. Item # 22; Assem. # 6</p>
	<p>3. Improper adjustment of lip assist spring (furnished as standard equipment with 18" and 20" lip lengths)</p>	<p>Tighten both hex nuts on the lip assist rods two (2) clockwise rotations and re-test. Item # 27.</p>
	<p>4. Lip lock spring is broken or disconnected.</p>	<p>Replace broken spring and/or reconnect spring to proper chain link with "S" hook. Item # 22, Assem. # 6</p>
<p>Leveler may be servicing trucks that are above the factory set service range (10' models - 12", 8' models - 12", 6' models - 8") causing lip to impact truck during upward movement.</p>		<p>Minor adjustments to service range above dock may be made in the field.</p>

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SYMPTOM:	PROBABLE CAUSE:	CORRECTION:
<p>(HYDRA-LIP OPTION)</p> <p>Lip will not close completely when truck departs.</p>	<p>Lip assist spring is over compressed.</p>	<p>Loosen both hex nuts on the lip assist rod two (2) rotations <u>counter-clockwise</u> and re-test. Item # 27</p>
<p>(HYDRA-LIP OPTION)</p> <p>Lip closes too fast when extended.</p>	<p>Lip assist spring is under compressed.</p>	<p>Tighten both hex nuts on the lip assist rod two (2) clockwise rotations and re-test. Item # 27</p>
	<p>Shocks are failing after years of use.</p>	<p>Replace with new shocks. Item # 29 (Covered by 1 year warranty)</p>

**CAUTION:**

Contact your AARON-BRADLEY representative or the factory if a malfunction occurs which is not understood. **DO NOT** attempt to correct the situation without proper information and understanding, as this may damage and void the warranty.

**SERVICE AND MAINTENANCE**

AARON-BRADLEY recommends periodic inspection and servicing of the M1000 Series mechanical dock leveler to assure proper operation and maximum life span of the dock leveler. Units should be inspected a minimum of every six months, and if needed, (See "OPERATING INSTRUCTIONS", Page 2-1), it can be adjusted and lubricated. Contact your local AARON-BRADLEY dealer to secure a complete maintenance plan.

PARTS LIST	
ITEM	DESCRIPTION
3	DECK REAR HINGE KIT (SET)
6	SNUBBING CHAIN ASSEMBLY (For standard 16" Lip)
7	ADJUSTING ROD ASSEMBLY
8	WING NUT ASSEMBLY
9	RATCHET ASSEMBLY
10	UPPER BAR
11	PAWL
12	PAWL SPRING
13	RELEASE LEVER SPRING
14	RATCHET HOUSING
15	UPPER PIN KIT
16	LOWER PIN KIT
17	RELEASE LEVER ARM
19	RATCHET MOUNTING ASSEMBLY LOWER
20	SNUBBING SPRING
21	SNUBBER CHAIN TENSION SPRING
22	LIP LOCK SPRING
28	"S" HOOK

