



## A108 Short Gas Shocks for Keller Chairs that Recline

**SHORT GAS SHOCK: A108 BROWN**  
**Brown Box K1206 & K2010 All Purpose Chairs ONLY**

10mm by 1.00 Fine Thread  
 Lock Nut  
 2.750"  
 Stroke = 1.875"  
 10.625"  
 1.067" Diameter Barrel  
 Horseshoe Bracket  
 6.500"  
 1.500"  
 Rubber Bumpers  
 10mm Nut Requires a 17mm Wrench

**NOTE: Horseshoe Bracket is NOT Welded to Barrel.**  
**Horseshoe & Lock Nut can be adjusted for more length.**  
**NOTE: Maximum Stroke is 1.875" if all the Rubber Bumpers were removed.**  
**NOTE: One Rubber Bumper must remain to prevent damage to the gas shock.**

**SHORT GAS SHOCK: A108 BLUE**  
**Blue Box All Purpose Chairs**

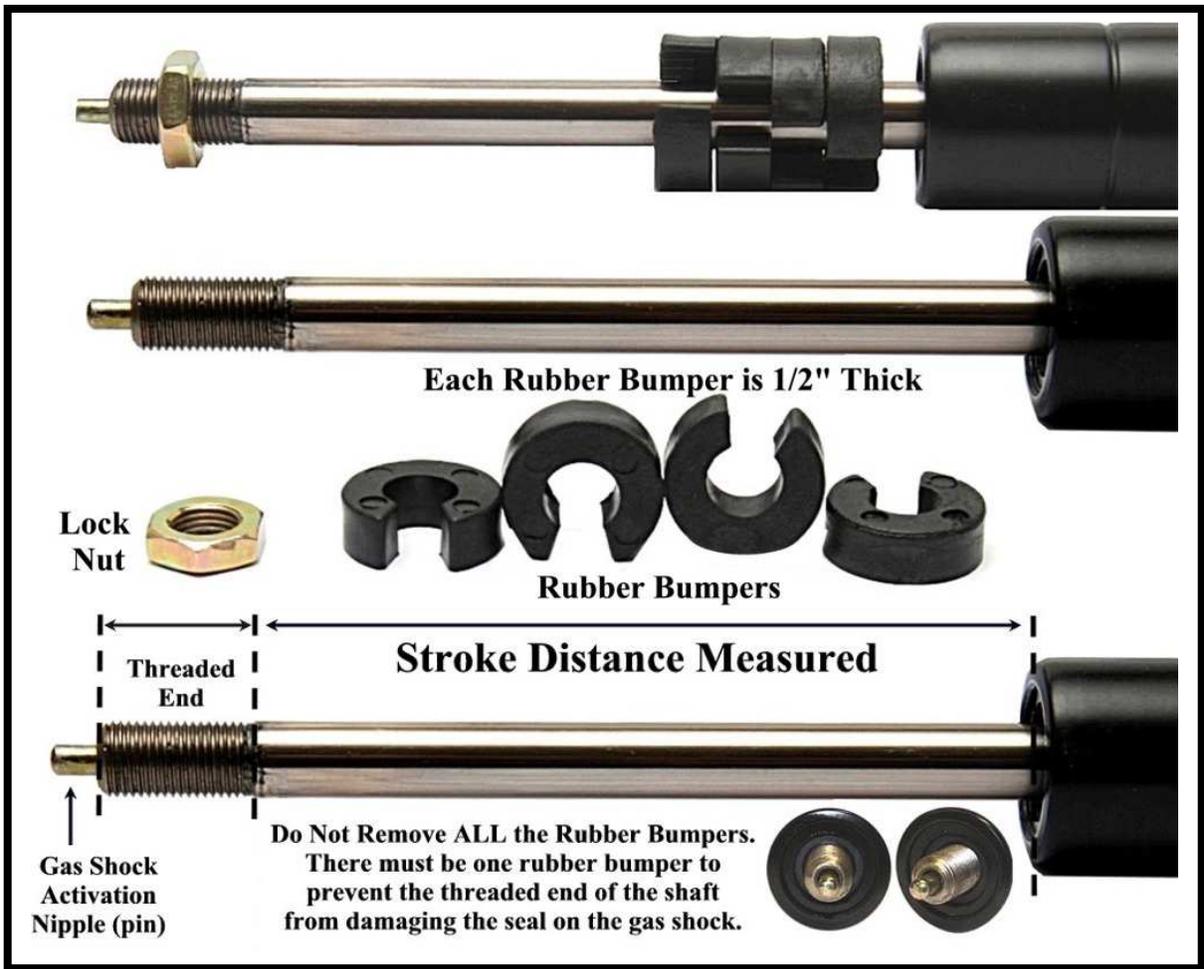
10mm by 1.00 Fine Thread  
 Lock Nut  
 3.250"  
 Stroke = 2.375"  
 9.875"  
 1.067" Diameter Barrel  
 Horseshoe Bracket  
 6.000"  
 1.000"  
 Rubber Bumpers  
 10mm Nut Requires a 17mm Wrench

**NOTE: Horseshoe Bracket is Welded to Barrel.**  
**NOTE: Maximum Stroke is 2.375" if all the Rubber Bumpers were removed.**  
**NOTE: One Rubber Bumper must remain to prevent damage to the gas shock.**  
**All Purpose Chair Models: K1201, K1202, K2315.**

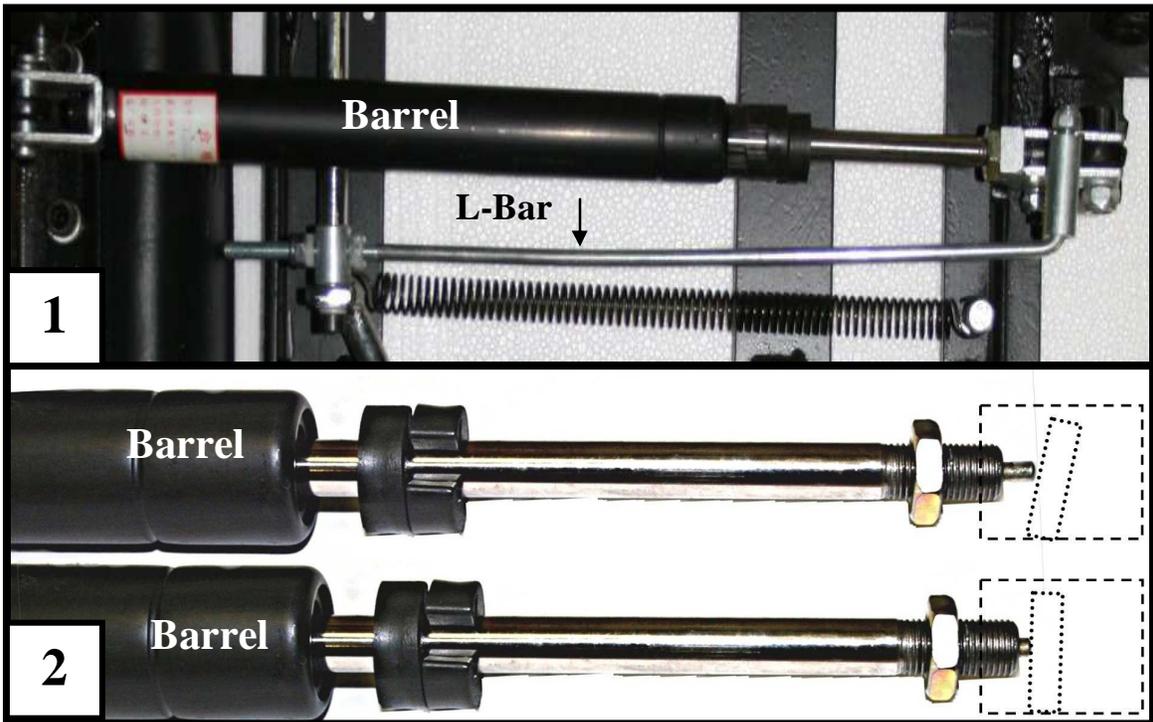
**SHORT GAS SHOCK: A108 RED**  
**Red Box All Purpose Chair K1220A ONLY**

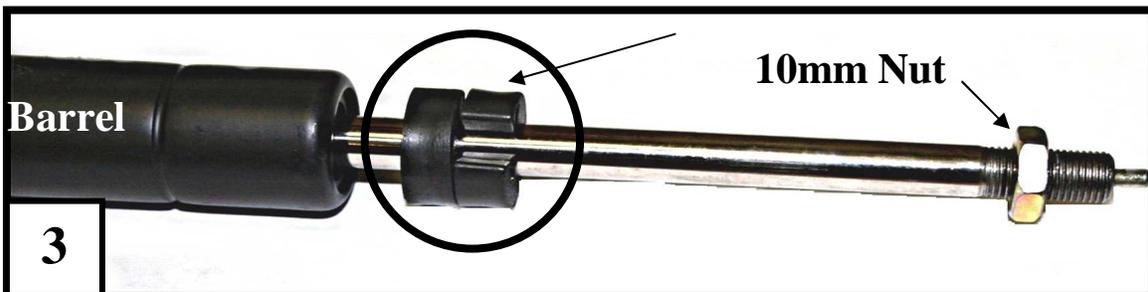
10mm by 1.00 Fine Thread  
 Lock Nut  
 2.750"  
 Stroke = 1.875"  
 9.500"  
 1.067" Diameter Barrel  
 Horseshoe Bracket  
 5.625"  
 1.250"  
 1/2" thick Rubber Bumpers  
 10mm Nut Requires a 17mm Wrench

**NOTE: Horseshoe Bracket is NOT Welded to the Barrel.**  
**Horseshoe can be adjusted for more length.**  
**NOTE: Maximum Stroke is 1.875" if all the Rubber Bumpers were removed.**  
**NOTE: One Rubber Bumper must remain to prevent damage to the gas shock.**



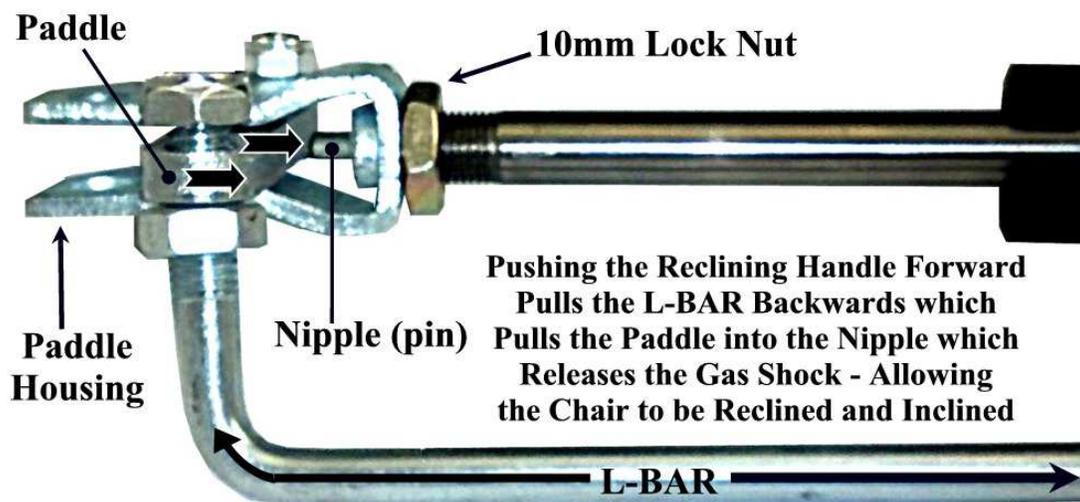
## Gas Piston Rubber Spacers





- 1) A typical reclining gas assist piston with “L”- bar (under the chair view).
- 2) Cut-away view of how the gas assist piston nipple is depressed.
- 3) Two rubber bumpers – remove one at a time and check the reclining distance.

**NOTE:** Each rubber bumper removed will allow the chair back to recline about one more inch. Only remove one bumper at a time and then check the reclining distance. It is advisable to leave at least one bumper to insure that the black piston barrel does not slam into the 10mm nut – which over time may cause the piston to leak.



**The Gas Shock is ALWAYS Locked whenever the Nipple is NOT Depressed. Depressing the Nipple Unlocks the Gas Shock for Reclining and Inclining.**

Gas shocks are rarely defective and may only need to be adjusted. Adjustment solves 90% of Gas Shock issues.

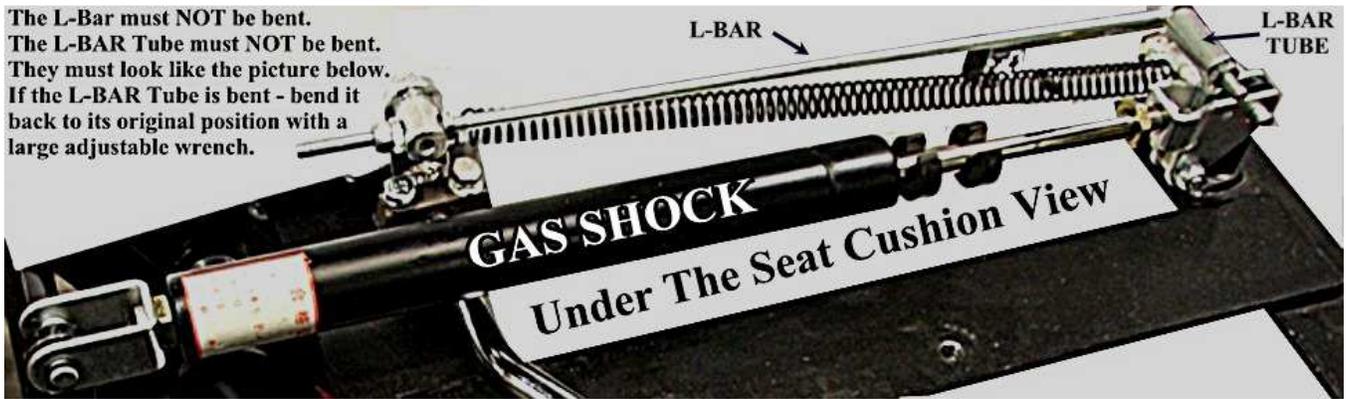
When adjusting the gas piston, the proper alignment is when the nipple “JUST” touches the Paddle.

Over time, if the 10mm lock nut is not tight, the gas shock will travel until it is out of adjustment. If it travels “OUT” of the housing far enough, the nipple can not be depressed which means the chair can not be reclined.

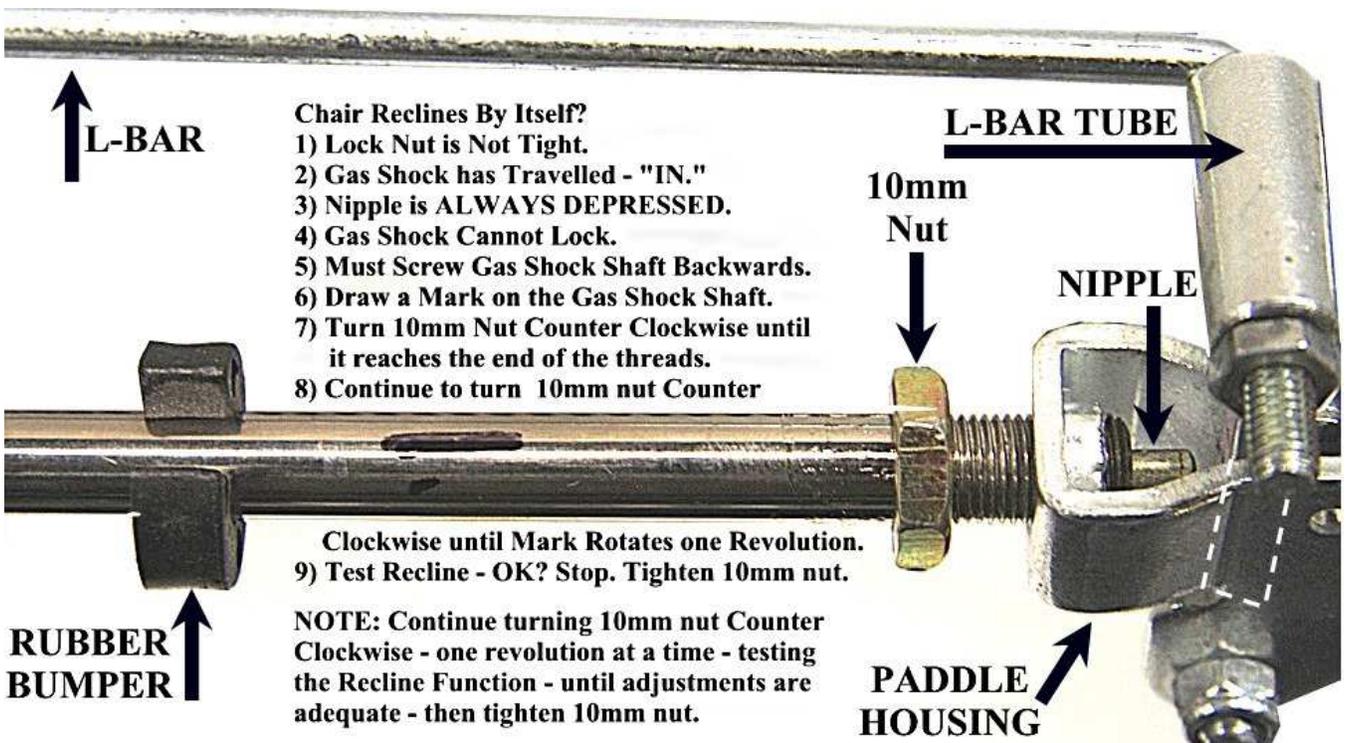
If the gas shock travels “IN” and depresses the Nipple, the chair will recline by itself. See page 4 for more adjustment information.

# Simple Gas Shock Adjustment Procedure

The L-Bar must NOT be bent.  
The L-BAR Tube must NOT be bent.  
They must look like the picture below.  
If the L-BAR Tube is bent - bend it  
back to its original position with a  
large adjustable wrench.



- If a chair is used by many operators or is abused by the customers as a waiting chair then the L-BAR may get bent. The L-Bar and L-BAR Tube MUST be straight.
- There must be an air gap between the Paddle in the Paddle Housing and the Nipple (see the middle picture on page 3) whenever the reclining lever is not being used (at rest).
- You can create a larger AIR GAP between the pin and the paddle that pushes on it. "CHECK TO SEE IF YOU HAVE THE NEEDED AIR GAP"



If the chair WILL NOT RECLINE – then the Gas Shock has screwed itself backwards so far that the Paddle inside the Paddle Housing cannot depress the nipple.

- Lock Nut is Not Tight – Loosen all the way.
- Grab the Black Barrel of the Gas Shock and turn Clockwise to screw it back into the Paddle Housing – check the Recline Function frequently to determine success.
- Once the Recline Function is restored – tighten the 10mm nut.
- Each Gas Shock on the Keller International Web Site's Parts Page has an Instructional Video Tab with more detailed information on how to adjust or change a Gas Shock.