



A108-1 Long Gas Shocks for Keller Chairs that Recline

LONG GAS SHOCK: A108-1 BROWN
Brown Box Barber & All Purpose Chairs
 (will also fit the K2065 Barber Chair)

10mm by 1.00 Fine Thread
 Lock Nut
 4.750"
 Stroke = 3.875"
 15.250"
 1.067" Diameter Barrel
 Horseshoe Bracket
 9.250"
 1.500"
 10mm Nut Requires a 17mm Wrench
 Rubber Bumpers 1/2" thick

NOTE: Horseshoe Bracket is NOT Welded to Barrel.
 Horseshoe & Lock Nut can be adjusted for more length.
 NOTE: Maximum Stroke is 3.875" if all the Rubber Bumpers were removed.
 NOTE: One Rubber Bumper must remain to prevent damage to the gas shock.

Barber Chair Models: K2006, K2006-A, K2008, K2008-A, K2009, K2012, K2016, K2019
All Purpose Chairs: K1240, K2011, K2015, K2017, K2204

LONG GAS SHOCK: A108-1 BLUE
Blue Box Barber Chairs

10mm by 1.00 Fine Thread
 Lock Nuts
 4.500"
 Stroke = 3.375"
 14.625"
 1.067" Diameter Barrel
 Horseshoe Bracket
 9.500"
 1.000"
 10mm Nuts Require a 17mm Wrench
 1/2" thick Rubber Bumper

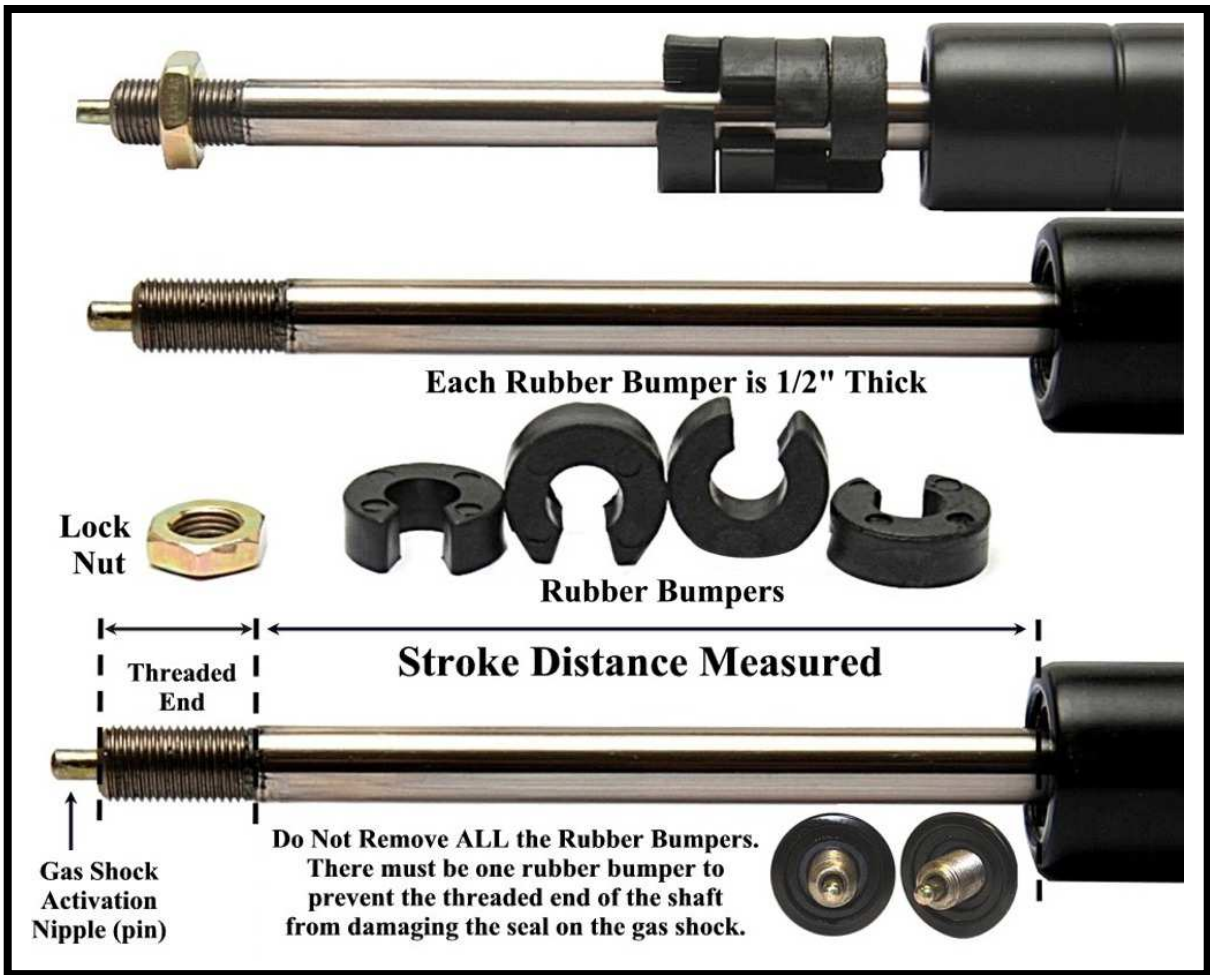
NOTE: Horseshoe Bracket is Welded to Barrel.
 NOTE: Maximum Stroke is 3.375" if all the Rubber Bumpers were removed.
 NOTE: One Rubber Bumper must remain to prevent damage to the gas shock.

Barber Chair Models: K2001, K2045, K2055, K2085.

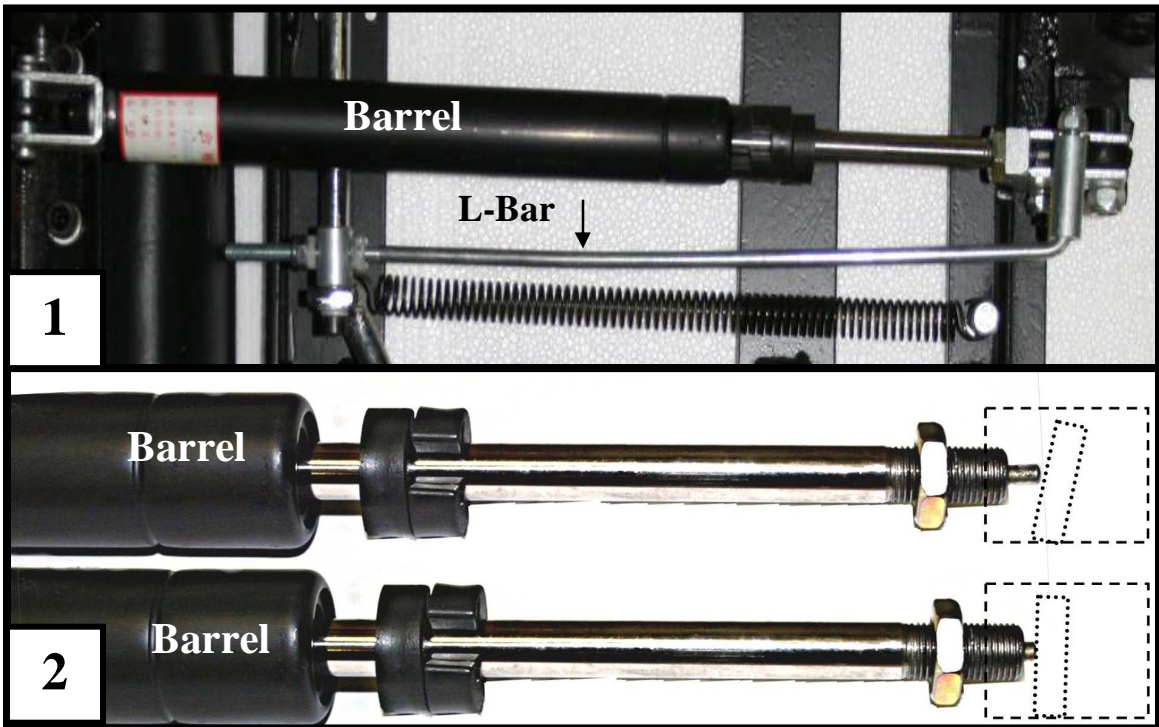
LONG GAS SHOCK: A108-1 RED
Red Box Barber Chair K2065 ONLY
 (A108-1 BROWN substitute, if necessary)

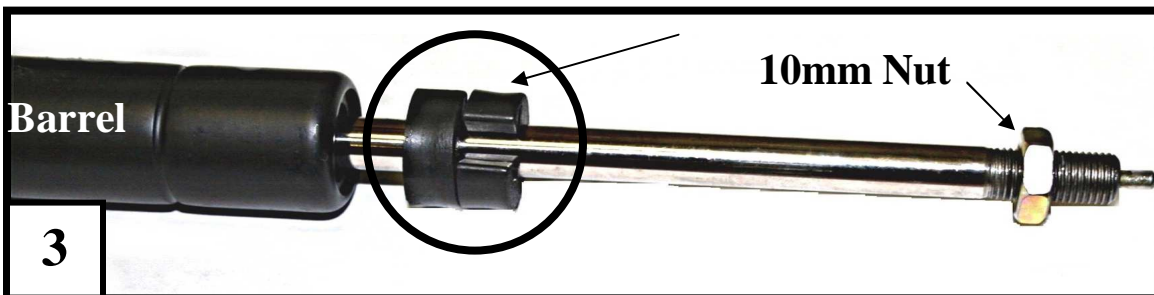
10mm by 1.00 Fine Thread
 Lock Nut
 4.750"
 Stroke = 3.875"
 15.250"
 1.067" Diameter Barrel
 Horseshoe Bracket
 9.250"
 1.250"
 10mm Nut Requires a 17mm Wrench
 Rubber Bumper 1/2" thick

NOTE: Horseshoe Bracket is NOT Welded to the Barrel.
 Horseshoe & Lock Nut can be adjusted for more length.
 NOTE: Maximum Stroke is 3.875" if all the Rubber Bumpers were removed.
 NOTE: One Rubber Bumper must remain to prevent damage to the gas shock.



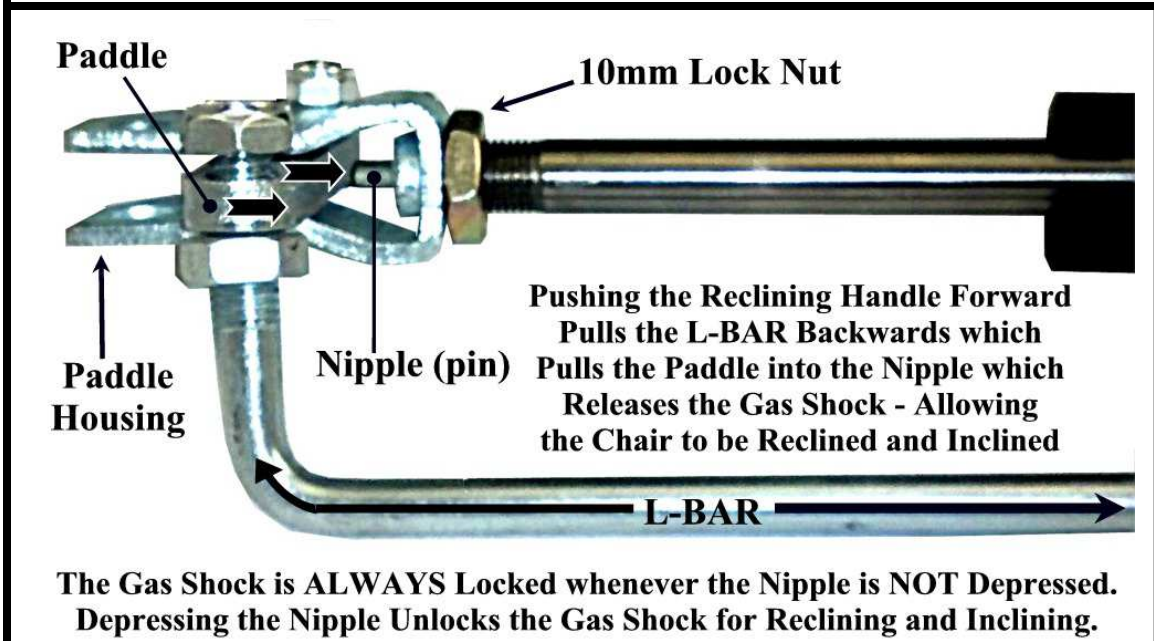
Gas Piston Rubber Spacers





- 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.



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

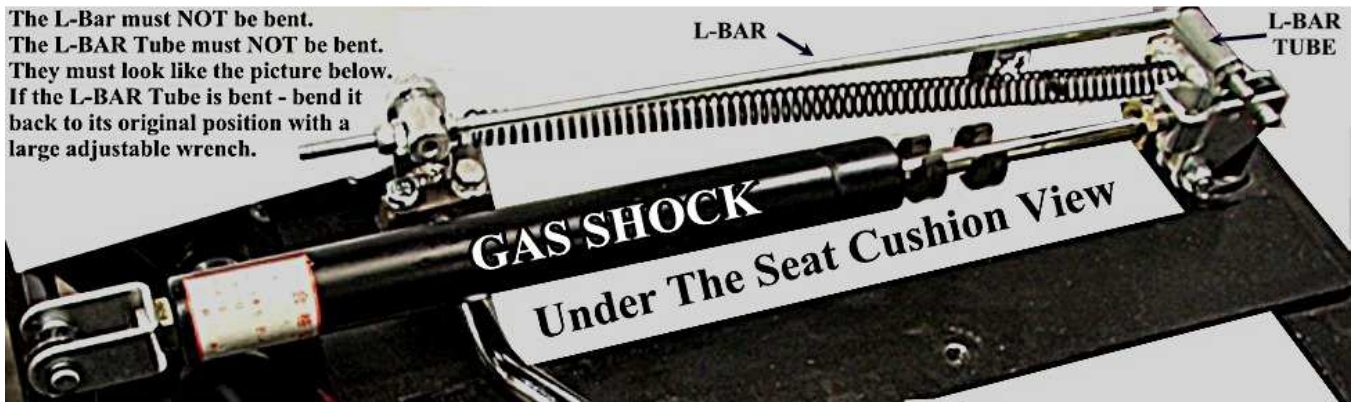
When adjusting the gas piston, the proper alignment is when the nipple “JUST” touches the Paddle.

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.

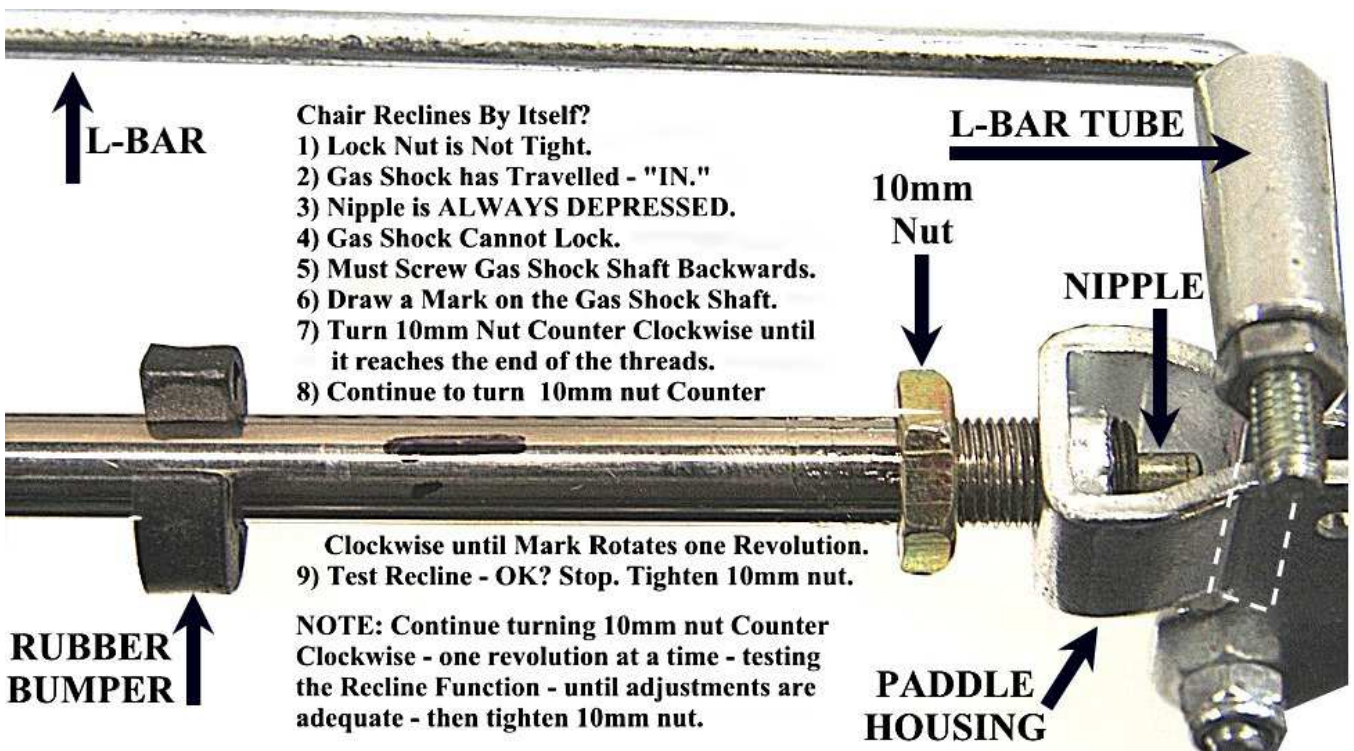
If the gas shock travels “IN” and depresses the Nipple, the chair will recline by itself. See page 4 for more adjustment information.

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.