



Animal Impact Protection Bumper Maintenance & Service Instructions

Sept. 29 2004

Ph. 1-800-661-3406

*****Please give to End User*****

Latch Adjustment: The correct adjustment of the latch mechanism is of vital importance to the performance, and reliability of the product. Please inspect and adjust latch mechanism routinely.

Inspection of latch mechanism is as follows:

1. With the bumper in the latched position, and with the tow pin removed, attempt to push the top of the bumper toward the rear of the truck by hand. If the “play” at the upper cross piece exceeds 1/8”, it is necessary to adjust the latch mechanism.

Adjustment of the latch mechanism is as follows:

2. Unlatch and lower the bumper. **Loosen** the four countersunk head screws in one of the latch plates, trying not to move the plate while doing so. *Refer to Fig. 1.*
3. Slide the plate a small amount (eg. 1/16”) towards the rear of the truck. Snug the four screws and raise and latch bumper. If the latch engages fully, repeat *Step 1* to check for “play”. If there is still free “play”, continue to move the same latch plate toward the rear of the truck, in small increments, until no “play” exists. Tighten countersunk head screws firmly in adjusted plate. Confirm that the latch will fully engage. If the latch will not fully engage, move the plate slightly away from the rear of the truck and recheck. Repeat Steps 1 and 3, until there is no free “play” and latch engages fully.
4. Loosen countersunk head screws in second plate and move it toward rear of truck, until the point is reached when the latch will no longer fully engage. At this point move the second plate slightly away from the rear of the truck and recheck. Continue to move the plate away from the rear of the truck until the latch just engages fully.
5. When the latches have been adjusted and checked as above, tighten the eight countersunk screws firmly, using a ratchet drive. ***Screws must be tight to maintain correct adjustment.***

Tow Pin: The tow pin must be installed in the bumper while the vehicle is driven. Installation of the tow pin verifies that the latch is closed and locks the latch. It also prevents the bumper from lowering, should the latch mechanism fail.



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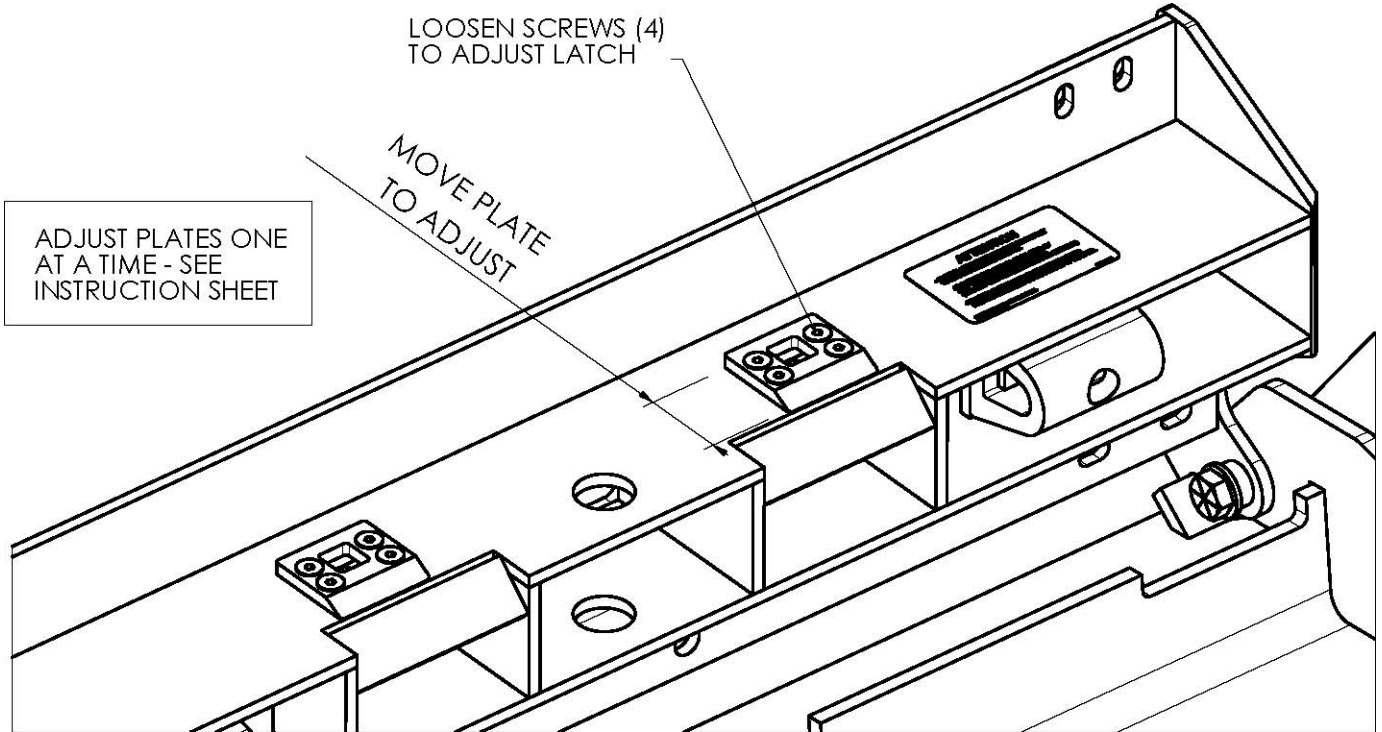


Fig. 1