

Technical Bulletin

400 Series TV Arm Field Adjustment Procedure



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Adjustment Procedure for 400 Series TV Arm

This procedure should be used to adjust the springs in the 400 Series Arms in the field. Please read the entire document before performing any adjustments on the TV arm.

PDI claims proprietary right to the material disclosed herein. This manual and associated drawings are issued in confidence for engineering information only and may not be used to manufacture anything shown herein without permission from PDI to the user.

- **Tools needed** (flathead screwdriver, 7/16 socket reduced length, ¼ extension w/clearance (PDI-519), two 7/16 nut-drivers,5/32 Allen wrench and a ratchet)



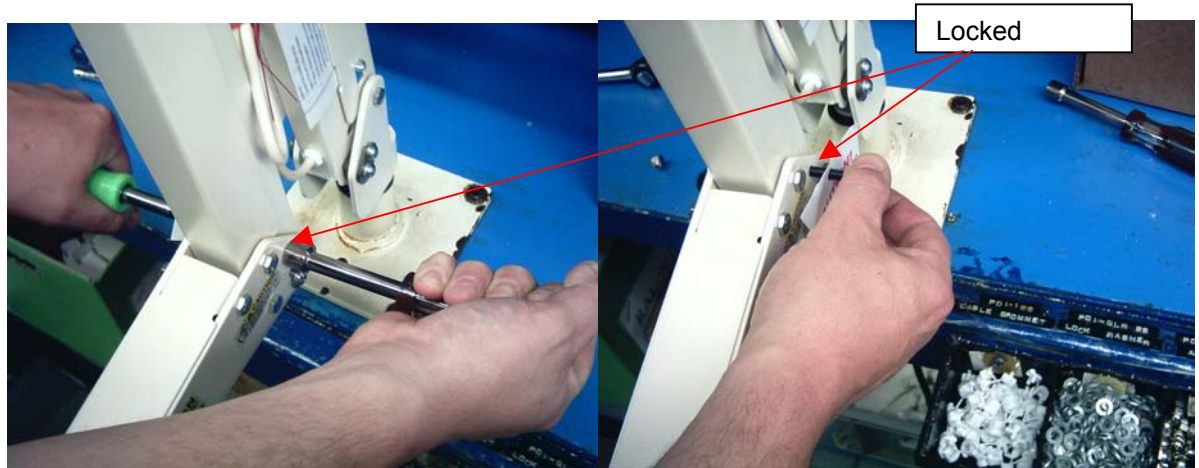
CAUTION: Do not attempt to modify this product in any way without written authorization from PDI. Unauthorized modifications will not only void the warranty, but may lead to your being liable for any resulting property damage or user injury.

Procedure

- Arm may be re-adjusted in the current bracket system, with the T.V. mounted.
- To adjust the Arm the PDI-148 safety pin must be removed if it is in the lock position (see Illustration)



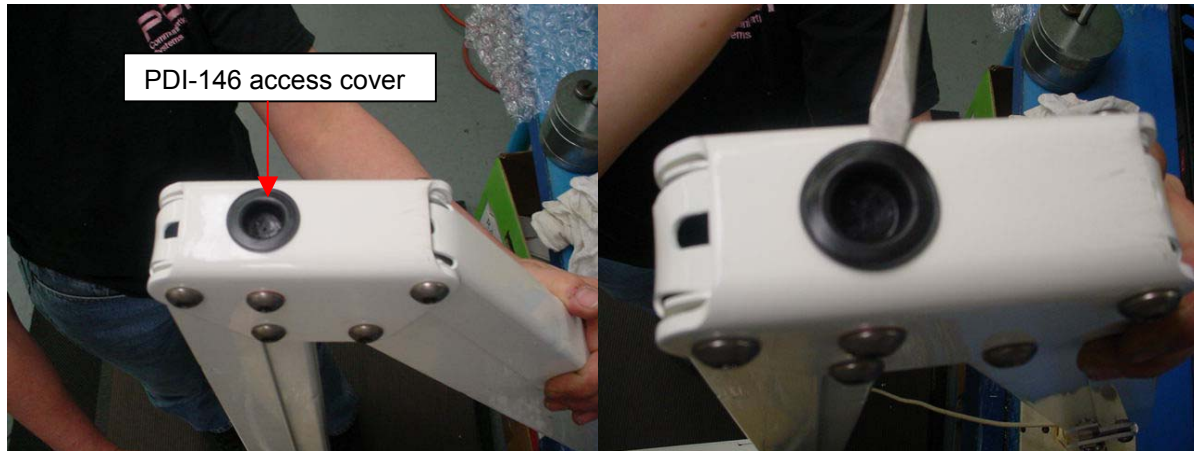
CAUTION! Do not remove PDI-148 safety pin or try to re-adjust arms without a mounted TV or weight.



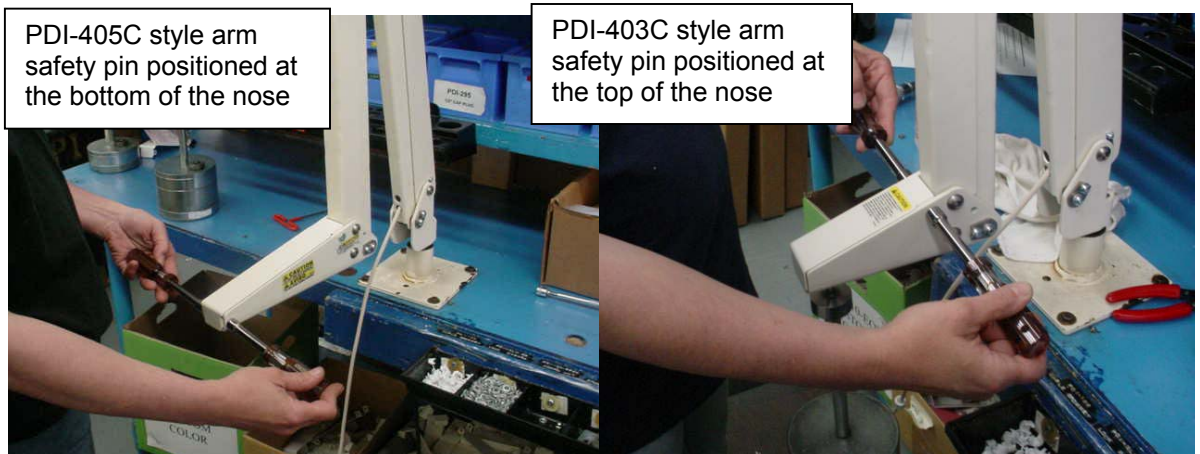
- Loosen brakes: back off the brake tension screws about 1/2 a turn



- Next remove the PDI-146 access cover

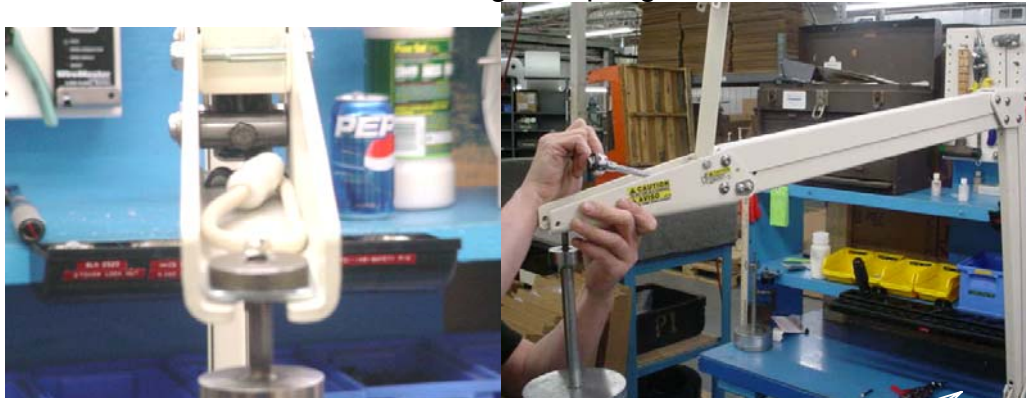


- Remove safety pin from nose cover. Turn counter clockwise to take off, and clockwise to re-assemble



Front Arm spring adjustment:

- Locate the 1/4-20 bolt with the 7/16 hex head inside the nose & elbow for the front springs
- Loosen bolt, to decrease lift force, tighten bolt, to increase lift force, use the 7/16 socket and ratchet, 1/2 turn then check arm for adjustment.
- Continue process until you reach the desired adjustment
- Locate the 1/4-20 bolt with the 7/16 hex head inside the base and elbow for the back springs
- Loosen bolt, to decrease lift force, tighten bolt, to increase lift force, use the 7/16 socket and ratchet, 1/2 turn then check arm for adjustment. Balance the arm by adjusting both springs equally whenever possible.
- Be careful not to back off the bolt more than 10 complete turns, anymore than that could result in disconnecting the spring

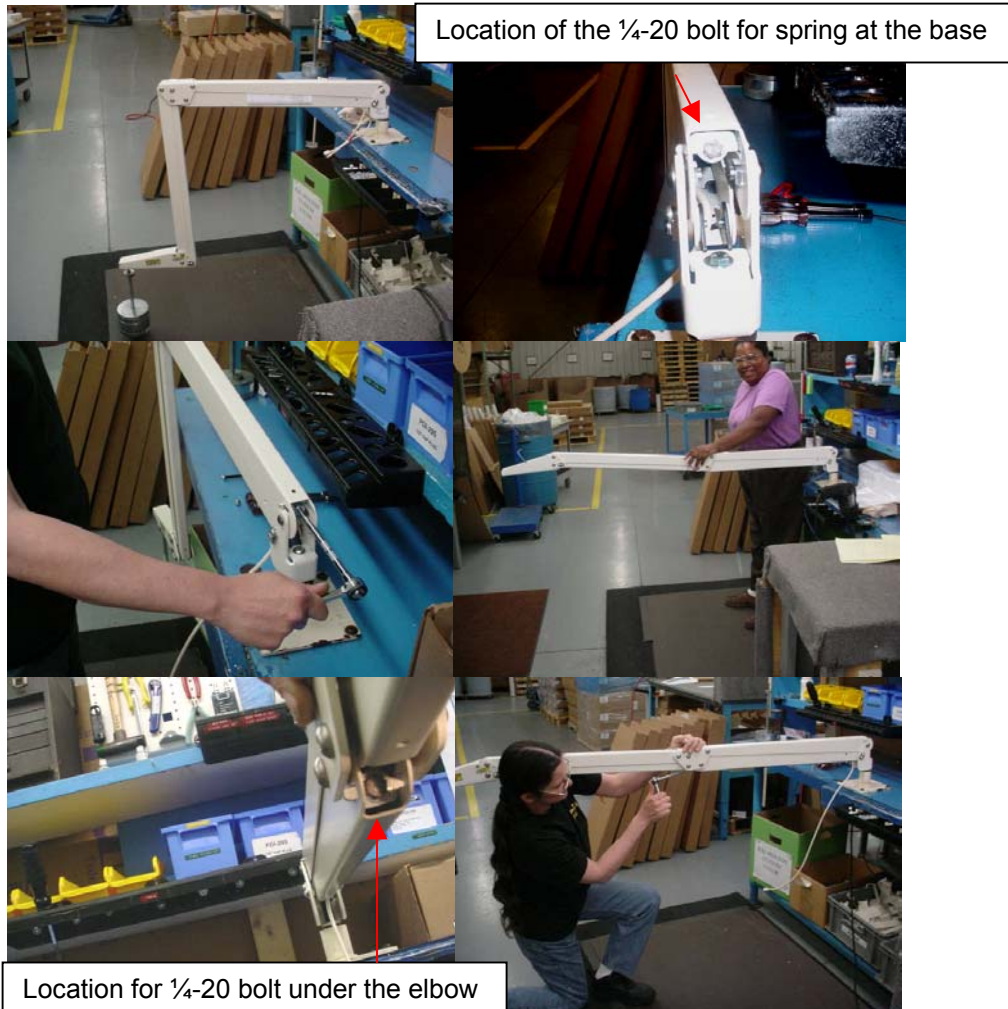


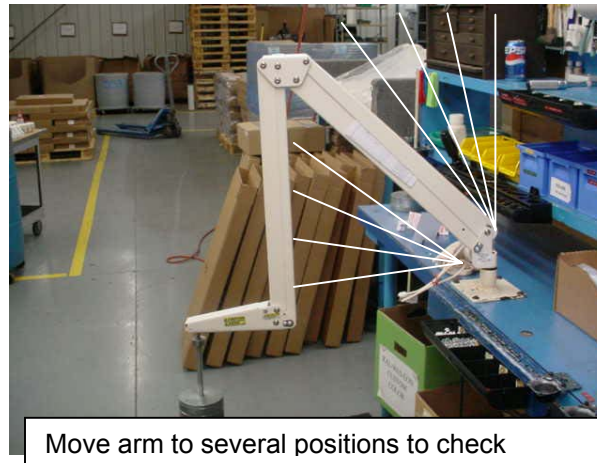
CHECK ARM IN SEVERAL POSITIONS



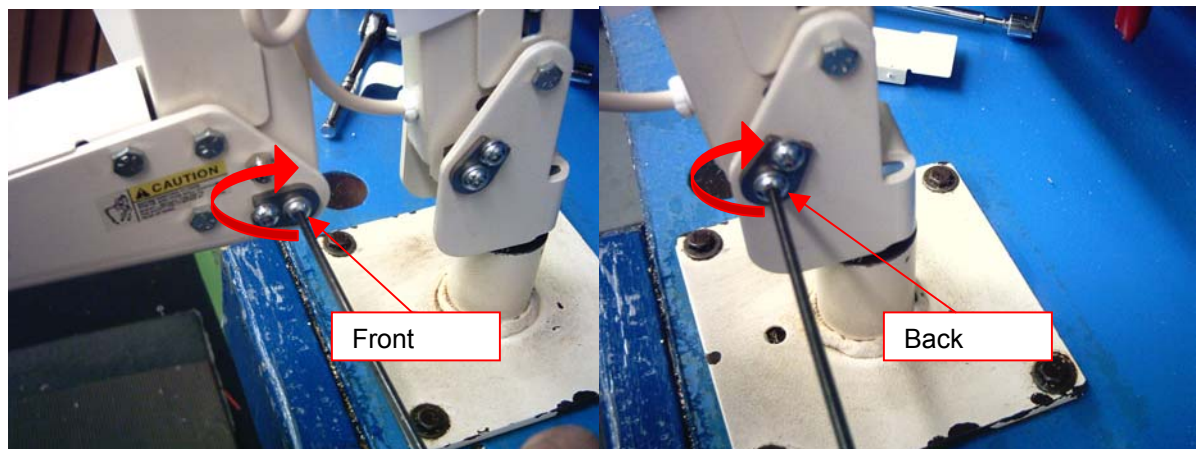
Rear Arm spring adjustment:

- Bend back arm section down so that it is parallel to the floor
- Locate the $\frac{1}{4}$ -20 bolt with the $\frac{7}{16}$ hex head inside the base and elbow for the back springs
- Loosen bolt, to decrease lift force, tighten bolt, to increase lift force, use the $\frac{7}{16}$ socket and ratchet, $\frac{1}{2}$ turn then check arm for adjustment. Balance the arm by adjusting both springs equally whenever possible.
- Continue process until you reach the desired adjustment
- Be careful not to back off the bolt more than 10 complete turns, anymore than that could result in disconnecting the spring





- Depending on the condition of the brake pads, springs, and or other factors, the brake screw tension will vary, therefore tighten the brake screws so that the arm holds as desired.
- Once you have completed adjusting the brakes, re-assemble the nose cover as before. (see page 2)
- After the arm is adjusted and the nose cover is replaced it can be returned to service.
- If the arm is to be moved or placed out of service always replace the PDI-148, safety pin to the locked position.



For More Information

If you have questions, please contact PDI's Engineering department at 937-743-6010