

**Application table**

<b>Application:</b>	PC3 Hoists (early production hoists)
<b>Reason:</b>	Increase Downward Operating and Controlled Descent Speed
<b>Frequency</b>	<b>As Necessary</b>
<b>Priority:</b>	<b>As Necessary</b>

**Purpose:**

The purpose of this modification procedure is to increase the speed of travel in the downward direction of the PC3 air hoist. This modification will reduce the load rating of the hoist from 1500lbs to 1000lbs and will change the maximum allowable psi from 110 to 90 psi at 70 cfm.

**Tools Required:**

- ¼" Allen Wrench
- 1 1/16" Socket with Ratchet
- Drill with 3/16" diameter Drill Bit
- Air Nozzle

**Consumables:**

- Anti-Seize
- O-ring Lube

**Procedure:**

1. Remove down flow exhaust muffler (lower muffler right of control valve p/n 5492).
2. Remove air control valve (p/n 5497) to expose manifold gasket plate.
3. Use 3/16" diameter drill bit and enlarge the hole for the lower exhaust port in the manifold gasket plate (p/n 5496). Note: Be sure to drill through manifold plate only.
4. Make sure to blow out all debris after drilling has been completed.
5. Reinstall down flow exhaust muffler.
6. Reinstall control valve.
7. Etch out 1,500 lbs rating and 110 psi on the nameplate.
8. Test hoist and verify speed in down direction.

**Etch out 1500 lbs load  
rating and 110 psi.**

**Drill hole in the lower  
exhaust port.**

