



Hale Products, Inc. Service Bulletins

Bulletin#: SB-100 Revision#: A Date: May 14, 2008

Product Type Covered: Hale Pump ☒ Hurst Tool ☐ Lukas Tool ☐
Product Covered:

CAFSPRO Compressor Mounting Pivot Screws

Problem Statement:

A potential problem has been identified with the compressor adjustment pivot screws.

Written by: Paul Wentz Date: May 14, 2008

Approved by: Michael Laskaris

Product Manager: Dominic Colletti

Customer Service Designee: Doug Balco

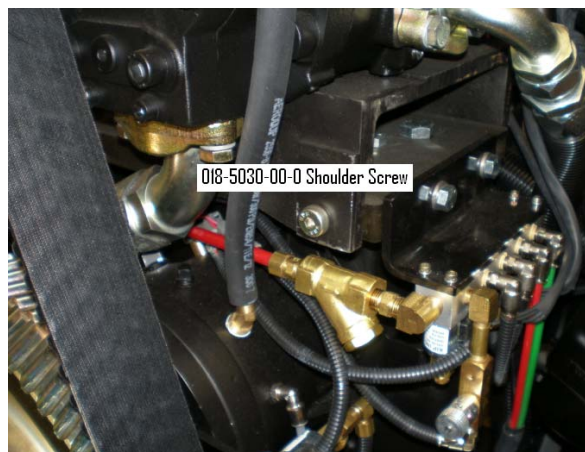
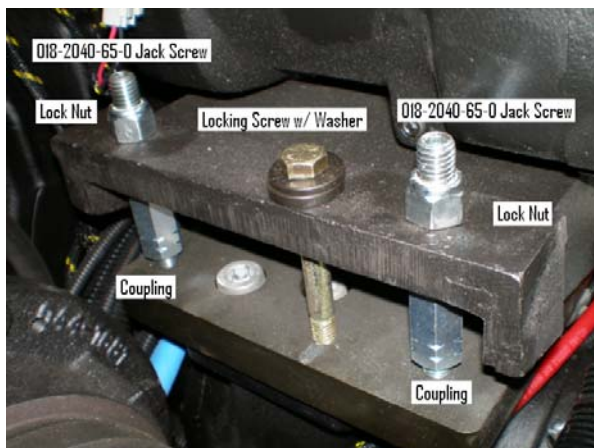
Body of the Bulletin

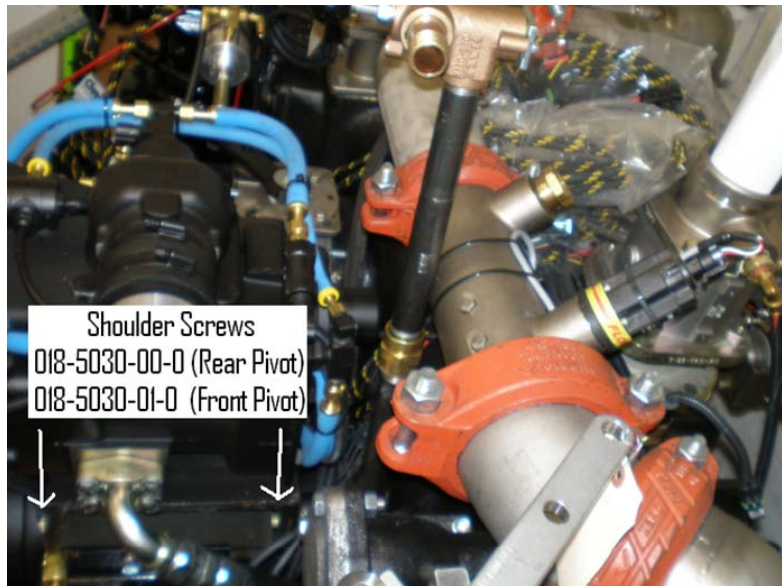
Hale Products, Inc, in an effort to ensure reliable system operation is providing an upgraded fastener kit for compressor belt tension adjustment. Compressor pivot screws and jack screws should be replaced when the apparatus is available for service.

There have been some failures in the field of these shoulder screws resulting in down time as well as costly repairs to the apparatus. Hale is providing an upgrade kit including all the fasteners related to compressor belt tension adjustment.

The package (kit P/N 546-3230-00-0) that has been sent to you includes the following components:

- 018-5030-00-0 1/2" X 2 LONG SHOULDER SCREW (Rear Pivot)
- 018-5030-01-0 1/2" X 2-1/4 LONG SHOULDER SCREW (Front Pivot)
- 018-1840-25-0 7/16-14 X 4 GR8 ZINC PLATED SCREW (Locking Screw)
- 097-2390-00-0 7/16-1/2 SPERICAL WASHER
- 2 ea 018-2040-65-0 1/2-13 X 4 LONG SET SCREW (Jack Screws)
- 2 ea 110-2005-02-0 1/2-13 ESNA ZINC PLATED LOCK NUT (Jack Screw Lock Nuts)
- 2 ea 110-7630-00-0 COUPLING NUT 1/2-13UNC X 1.75LONG (Coupling Nuts)
- 2 ea 029-0010-01-0 LOCTITE 242-06 MATCH PACK





The following procedures are provided for replacement of the Compressor Belt Adjustment hardware. Refer to the illustrations to identify components. (NOTE: Front, Rear, Left and Right are identified from the driver's perspective)

1. Place apparatus out of service in accordance with departmental procedures.
2. Remove any interference to gain access to the compressor and hardware.
3. Remove the six screws that hold the belt guard in place and remove the belt guard
4. Loosen the lock nuts on the jacking screws located on the left side of the compressor jack plate.
5. Using ¼ inch hex wrench, loosen jack screws to relieve belt tension.
6. Using a block, wedge or straps temporarily support the right end of the compressor jack plate.
7. Using ¼ inch hex wrench, remove the front pivot shoulder screw. Replace this screw with the ½ x 2-1/4 Long Shoulder screw.
 - a. NOTE: Apply Loctite 242 or equal to screw threads before installing new Shoulder Screw
 - b. Use 388 lb-in (32 lb-ft) Seating torque for shoulder screw
8. Using ¼ inch hex wrench, remove the rear pivot shoulder screw. Replace this screw with the ½ x 2 Long Shoulder screw.
 - a. NOTE: Apply Loctite 242 or equal to screw threads before installing new Shoulder Screw
 - b. Use 388 lb-in (32 lb-ft) Seating torque for shoulder screw
9. Using ¼ inch hex wrench, replace the existing jack screws and jack screw lock nuts with those provided in the package.
 - a. Remove one of the existing jack screws and lock nuts
 - b. Align coupling nut under jack plate.
 - c. Thread jack screw into the jacking plate and through coupling nut.
 - d. Thread jack screw locking nut onto top of jack screw.
 - e. Repeat for second jack screw.
10. Remove the existing locking screw and spherical washer set.
11. Remove the temporary compressor supports.
12. Refer to the belt tension adjustment procedure in the CAFSPro User Operation manual (P/N 029-0020-75-0) to adjust belt tension. (At mid span on the left side the maximum belt deflection is 5/16 inch when 16 to 20 lbs force is applied.)
13. Apply Loctite 242 or equal to the threads on the new locking screw. Install the locking screw and spherical washer set.
14. Tighten the coupling nuts and jack screw lock nuts against the compressor jack plate.
15. Replace the belt guard.
16. Replace any interference removed to gain access.
17. Test operation of apparatus.

18. Return apparatus to service.

After replacing the screws return to Hale Products, Inc according to the instructions enclosed.

If you have additional questions or require technical assistance with replacing the compressor adjustment screws please contact Hale Products customer service department at 610-825-6300.

Thank you for your attention in this matter.