



One BOB-CAT Lane, P.O. Box 469  
Johnson Creek, WI 53038 U.S.A.  
(920) 699 2000  
Fax: (920) 699 6836

## **SERVICE BULLETIN**

October 15, 2009

Bulletin No: JC-018-09

### **Possible wrong nut on 16cc pump pulley – F series BOB-CAT units only**

**Issue:** Due to a supply error there is a possibility that the Nylock nut on the 16cc pump pulley is slightly too tall, resulting in not enough of the threaded portion of the pump shaft passing through the locking nylon portion of the nut (the part number for the nut has always been correct and parts supply was not affected). This creates a distinct possibility of the nut backing off the pump shaft causing the pump pulley to come loose resulting in a loss of drive.

**Correction:** Replace the Pulley, Nut and Key if the pulley actually came loose. Reusing the pulley and key is fine if the pulley has not actually worked loose. **DO NOT REUSE THE NUT UNDER ANY CIRCUMSTANCE**. The reason for this will be explained in pictures that follow. Cleaning up the shaft may be required if the keyway got hammered. This too, is explained in the following pictures.

If you see the wrong nut, as illustrated in the following pictures, and the pulleys have not worked loose, simply swap out the nut. Torque the new nut to 50ft lbs of torque.

**Parts Involved:** Pulley 4157180, Nut 64151-26, and Key 64164-29

**Products Involved:** Due to this being a supply issue and not a wrong part specified in the build, we can only designate at which point forward we are sure the correct nut was being supplied. This issue has not shown up on any prior E series units as supply was correct at that time. Therefore this calls for review of any F series prior to the serial numbers below that come into your shop or may be in your stock.

<b><u>MODEL</u></b>	<b><u>F series BELOW SERIAL – Is suspect</u></b>
942241F	942241- <b>02304</b>
942242F	942242- <b>01611</b>
942245F	942245- <b>00615</b>
942246F	942246- <b>00597</b>
942247F	not affected

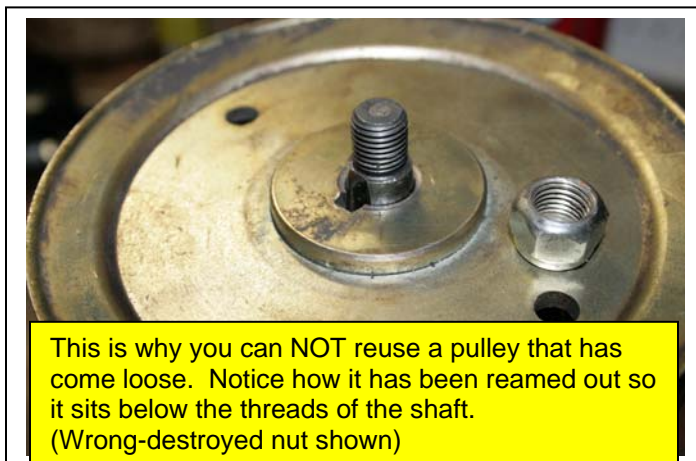
***Exactly What You Need***



One BOB-CAT Lane, P.O. Box 469  
Johnson Creek, WI 53038 U.S.A.  
(920) 699 2000  
Fax: (920) 699 6836



By looking under the mower, you can quickly determine if you are looking at a unit with the wrong nut. If you see the wrong nut and it hasn't come loose yet, be proactive and change out the nut. If you don't have the new nut on hand, at the very least remove the nut, put some blue loctite on it and re-torque to 50ft lbs. It is recommended that you order some of the correct nuts and do the repair right.



Once the nut comes a little loose, the pulley can rock. This eventually reams out the pulley as it runs. Fortunately the pump shaft is substantially harder than the pulley so the pulley takes most of the abuse. Typically little to nothing happens to the pump shaft. With extended running the key getting hammered in the keyway will take the most abuse. See the following pictures for example of what you can expect to find.

***Exactly What You Need***



One BOB-CAT Lane, P.O. Box 469  
Johnson Creek, WI 53038 U.S.A.  
(920) 699 2000  
Fax: (920) 699 6836



These are typical pictures of the two extremes of pumps we have received back. Both are still 100% functional with no loss in performance or reliability. The one on the right specs out perfect, the dealer was under the false impression that once the pulley came off, the shaft was damaged beyond use – not true. The one on the left has taken much more abuse by the key getting hammered. The fact is, a new pulley will mate perfectly to this shaft, and the pulley is actually held fast to the pump by the friction of the taper (not the key), in the same manner as a flywheel is held in place by the friction of the taper. The key is merely an added measure of safety.

If you experience hammering of the keyway, simply clean up any burr that protrudes above the taper of the shaft, reinstall new pulley, key and nut, torque to 50ft lbs and submit warranty for the repair. If you have damage more extreme than these samples, submit pictures along with your ISN request for consideration of pump replacement. The easy way to tell if the shaft is beyond use is if the taper protrudes up past the NEW pulley.

**Warranty:** You may claim 0.3hr of labor per side and parts for units covered under this bulletin. Allowance will be made if pump shaft needs to be de-burred.

If you have any questions please contact Schiller Grounds Care, Inc. Customer Service Department at 920-699-2000.

This bulletin is relevant to the departments shown below. Please circulate as appropriate.

SERVICE

☒

WARRANTY

☒

SALES

☐

PARTS

☒

***Exactly What You Need***