

## PROFESSIONAL SERIES (PRO-Z 500)

**Models Affected:** PRO Z 500 KW 548-L (53RIHJTK050).  
 PRO Z 500 EFI 554-L (53RWHJTN050). PRO Z 500 KW 554-L (53RIHJTN050, 53TIHJTN050).  
 PRO Z 500 EFI 554-S (53RWHJUN050). PRO Z 500 KW 554-S (53RIHJUN050, 53TIHJUN050).  
 PRO Z 500 KW 560-L (53LIHJTV050, 53RIHJTV050, 53TIHJTV050).  
 PRO Z 500 KW 560-S (53LIHJUV050, 53RIHJUV050, 53TIHJUV050).

**Serial Number Range Affected:** Units Manufactured March 01, 2016 through July 31, 2018  
 (1C016Hxxxxx through 1G318Hxxxxx).

**Date:** August 30, 2018 **Revised October 25, 2018 (Please Destroy All Previous Copies).**

**Subject:** HTJ Parker Transmission Input Shaft Hardware MANDATORY

**NOTE:** These materials are prepared for use by trained technicians who are experienced in the service and repair of equipment of the kind described in this publication, and are not intended for use by untrained or inexperienced individuals. Such individuals should seek the assistance of an authorized service technician or dealer.

**NOTE:** Always wear eye protection while servicing equipment. Wear hearing protection when appropriate. Always work in a well ventilated area and follow all safety precautions when dealing with combustible materials.

**NOTE:** Left (LH) and Right (RH) sides are determined from the operator's position and facing in the forward direction.

### PURPOSE:

We have seen the Parker HTJ transmissions overheat that are used on the above listed Models in the affected Serial Number Range. The cause is from a tolerance issue of the fan and pulley on the input shaft of the transmission not allowing proper clamp torque of the fan. This causes a **loose assembly and limited fan rotation**, which causes a cooling issue with the transmission.

### ACTION REQUIRED:

This Mandatory Advisory is to address the overheating on the Parker HTJ transmissions by installing a flat washer under the fan to eliminate the tolerance issue when a rider is in for any type of service. It is not required to contact customers for this Mandatory repair. Cub Cadet feels it would be pro active to install the flat washer under the transmission fans prior to the possibility of an overheating situation.

We recommend ordering the amount of flat washers needed (2 per rider) for riders in inventory and those that have been retailed.

Order from your Cub Cadet part source Qty. (2) **936-0108** Flat Washer (per rider).

Follow the steps listed below for installing the flat washers.

### Installation Instructions:

1. Park the rider on a flat level surface. Engage the parking brake.
2. Disconnect the negative battery cable from the negative battery terminal.
3. Remove the four (4) screws that secure each of the fan covers. See Figure 1.

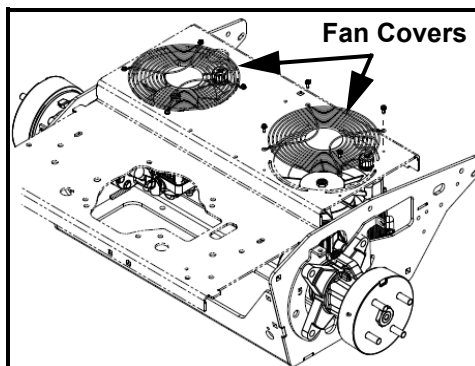


FIGURE 1

4. Relieve the tension on the transmission drive belt by rotating the idler arm away from the engine. See Figure 2. **NOTE: If it is difficult to relieve the drive belt tension, remove the extension spring from the shoulder screw by loosening the 3/8-16 nylon lock flange nut from the shoulder screw (inset).**



FIGURE 2

