

Service Bulletin

Model: UXV 500/500i/700
Subject: Rear brake vibration
Effective: ON CONDITION

SB# 17004
Date: Aug 2017

Time: 3.0 hrs

Description

Some UXV500s/700s are experiencing a chattering noise and vibration from the rear brake during operation. We have a shim kit available to remove excess play in the disk mount which may be contributing to this.

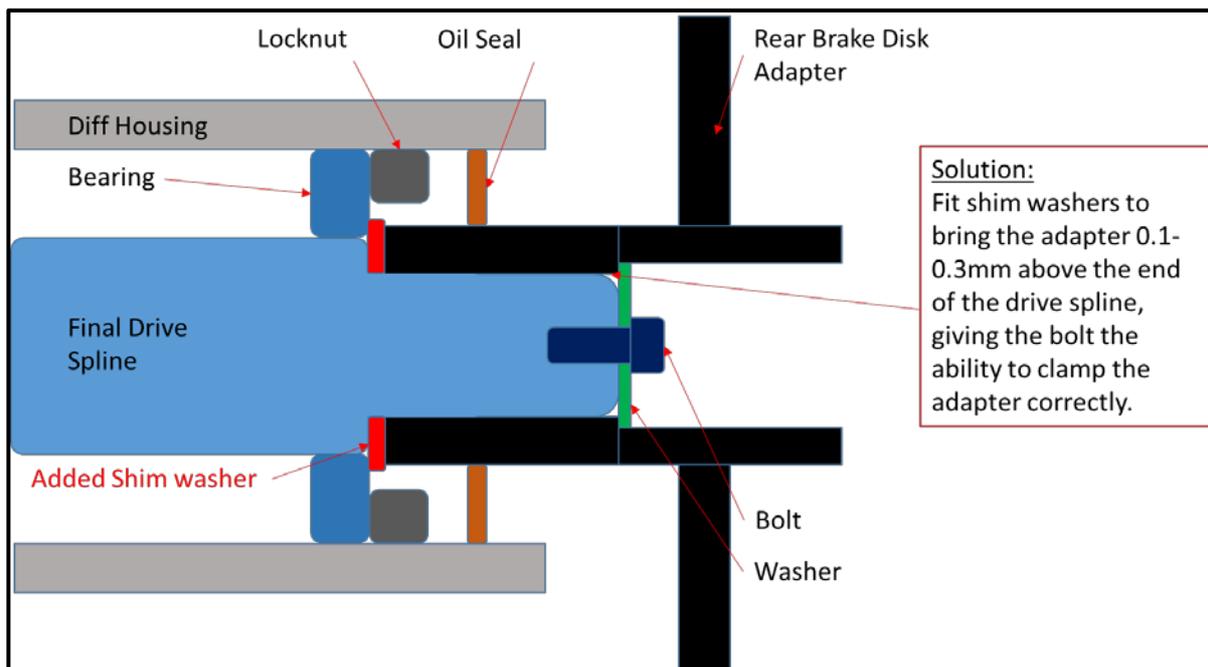
Cause

Through tolerance mismatches, there is a chance that the rear disk adapter (P/N 43350) that fits to the differential input shaft splines is not held captive by the mounting bolt and washer.

Effect

The effects of this include the rear brakes vibrating and loud chattering sounds emitted under braking and slow driving. The rear disk and pads can wear prematurely and the splines and locating washer can become damaged.

Remedy



Please follow Chapter 5 of the service manual for detailed instructions of the below procedures.

Inspection

- 1) Remove the rear wheels, hubs and axles. Use a slide hammer or shock pulling motion to get the first axle out if tight, then a brass punch for the second.
- 2) Remove the rear brake caliper.
- 3) Unbolt the rear differential and move rearwards to remove the driveshaft.
- 4) Inspect for play between the disk adapter and the input shaft.
- 5) Remove the adapter and check washer and bolt condition.
- 6) Inspect the condition of the disk, pads, adapter and input shaft.
- 7) Confirm with the adapter on the splines and pushed in, that the input shaft splines sit proud of the adapter flange. If not, there may be a different cause for the noise/vibration.

Repair

- 8) Remove the oil seal and clean the splines to be mated.
- 9) The kit comes with 1 x 0.9mm shim and 2 x 0.3mm shims. Fit the minimum required to achieve the adapter splines sitting proud of the input shaft splines. Use a small amount of grease to keep the shims located during assembly.
- 10) Fit the new oil seal provided. Lubricate lips of the seal with oil or light grease.
- 11) Fit washer and bolt with Loctite thread locker. Torque to 45Nm or 32ft-lbs.
- 12) Check the disk adapter for play and rotational freedom.
- 13) Reassemble machine. Give pads a small chamfer to help prevent chattering.
- 14) Test drive. If new pads are fitted, 3 x hard stops helps to bed them in.

Parts

- 15) Order part number KYKIT-BRAKE from our parts department.

Please contact STEELFORT Technical department for more information