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SERVICE BULLETIN

MANDATORY

FIX ON FAILURE

INFORMATION ONLY

Ref: SRV-018-009 REV

Date: 12-16-24

Product: NXT, 200 Series, and SDX, AirFlex Headers

Re:

Problem:

Failure of the Auger drive. The driveshaft, auger spider, or u-joints fail in the drive system.

Solution:

The slip clutch is designed to protect the system. If the clutch is locked up and too much torque is applied to the drive, system components may fail. With the headers in storage during the off season the slip clutch friction discs may rust to the clutch plates. If the clutch rusts it will not protect the drive system should a slug go through the auger, damage to the drive components will occur.

To make certain the clutch works the clutch should be burnished each season before use. This will make certain that the clutch is free from rust. The following is the procedure to burnish the clutch assembly. Note: There are three different style clutches depending on the year the header was built.

The following are the instructions for burnishing the clutches.

Model Year 2017 and Above

- With the header on the combine open the left-hand shield to expose the clutch, Figure 1.

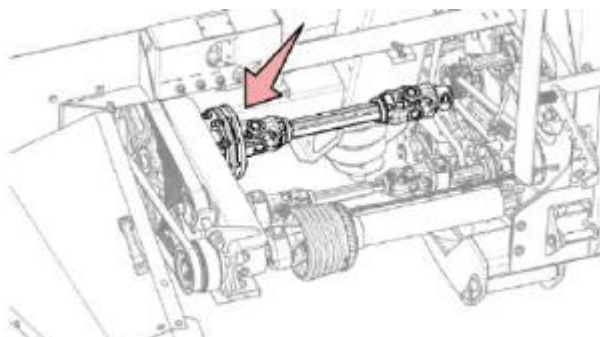


Figure 1

- Loosen the bolts on the clutch in a crossing pattern, Figure 2, until the clutch discs are loose but the bolts still hold them in place.
- Run the machine for 5 seconds and allow the clutch to slip. If the clutch does not slip then the clutch will need to be taken apart and parts either cleaned or replaced.

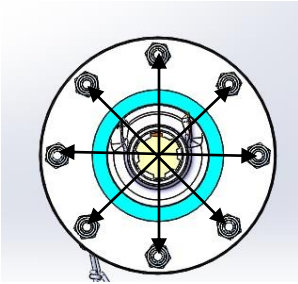


Figure 2

- Once the clutch is burnished tighten the bolts in the same crossing pattern until the dimension of between the spring and plate is reached at each bolt location, Figure 3, and Figure 4. Tighten the bolts 2 flats and then go to the next bolt.
- On early 2017 units there are single spring clutches. These clutches should be adjusted to 17.5 mm plus or minus 0.3 mm. Figure 3
- During the Model Year 2017 production changed to two spring clutches. The two spring slip clutches must measure 20.3-20.5mm, at each bolt location. Each bolt on the clutch must measure in the 20.3-20.5mm range, Figure 4

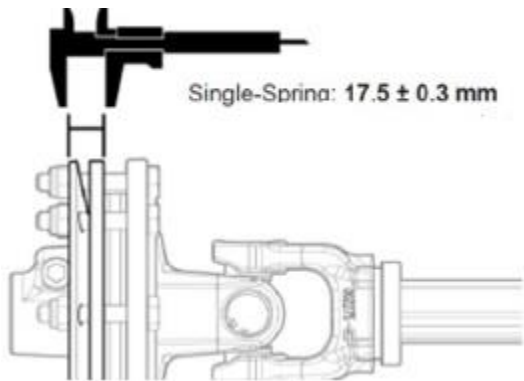


Figure 3 (Single Spring)

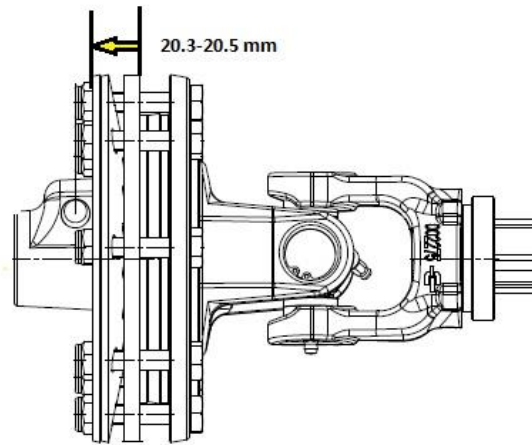


Figure 4 (Double Spring)

Model Year 16 and below:

- With the header on the combine open the left-hand shield to expose the clutch, Figure 1.



Figure 1

- Loosen the nuts A, Figure 1, on the clutch in a crossing pattern, Figure 2, until the clutch discs are loose but the bolts still hold them in place. Do not remove the nuts from the bolts.
- Run the machine for 5 seconds and allow the clutch to slip. If the clutch does not slip then the clutch will need to be taken apart and parts either cleaned or replaced.

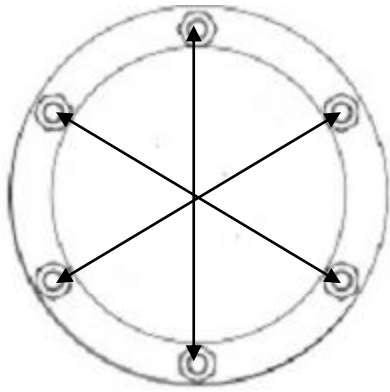


Figure 2

Once the clutch is burnished tighten the nuts in the same crossing pattern to 30 Ft. Lbs. at each location. Only tighten one turn at a time when tightening the nuts.

Ordering Information:

No parts are needed

Labor Allowance: N/A

NOTE: