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SERVICE BULLETIN

MANDATORY

FIX ON FAILURE

INFORMATION ONLY

Ref: SRV-019-002

Date: 04-03-19

Product: 200 Series and SDX AirFlex Headers

Re: Belt Tensioner Information

Problem: Failure of the drive belts on the header.

Solution:

1. We have seen some failures of the drive belts on the AirFlex headers this past season due to improper tension. To help make certain that the belts are tensioned properly a new decal will be added to all headers. This decal shows the proper tension on the belts. (See Figure 1).

The belts still need to be tensioned using a phone with the fine tuner APP. This will assure the proper tension of the belts the following are the APP's for both the apple and android devices:

- <https://itunes.apple.com/us/app/fine-tuner-chromatic-tuner-for.../id877102884?mt>
- <https://play.google.com/store/apps/details?id=com.finestandroid.tunner&hl=en>

To use these APP's

- Hold the phone under the long span of the belts with the Fine Tuner app turned on. (Figure 2)
- Tap the belt with a large wrench 3 or 4 times.
- Read the Hertz on the phone (example in Figure 3)
- Adjust the belt to the proper tension listed on the decal.

Most of the belts require a new and used setting.

- A used belt should run 24 hours before it be classified as a used belt.
- During PDI all belts should be adjusted to the "New" setting.
- A new header should have ALL of the belts adjusted after 24 hours of operation. This includes the belts that use a spring gauge for adjustment.

Note: The tension on the belts should be checked when the belts are at operating temperature. Checking the belts when they are cold will result in the belts not being correctly tensioned at operating temperature.

Note: The belt tension for the feeder deck drive belt without a spring tensioner should be set, header on combine with the tilt cylinder retracted, and with the subframe airbags not inflated so the head is resting on the subframe.

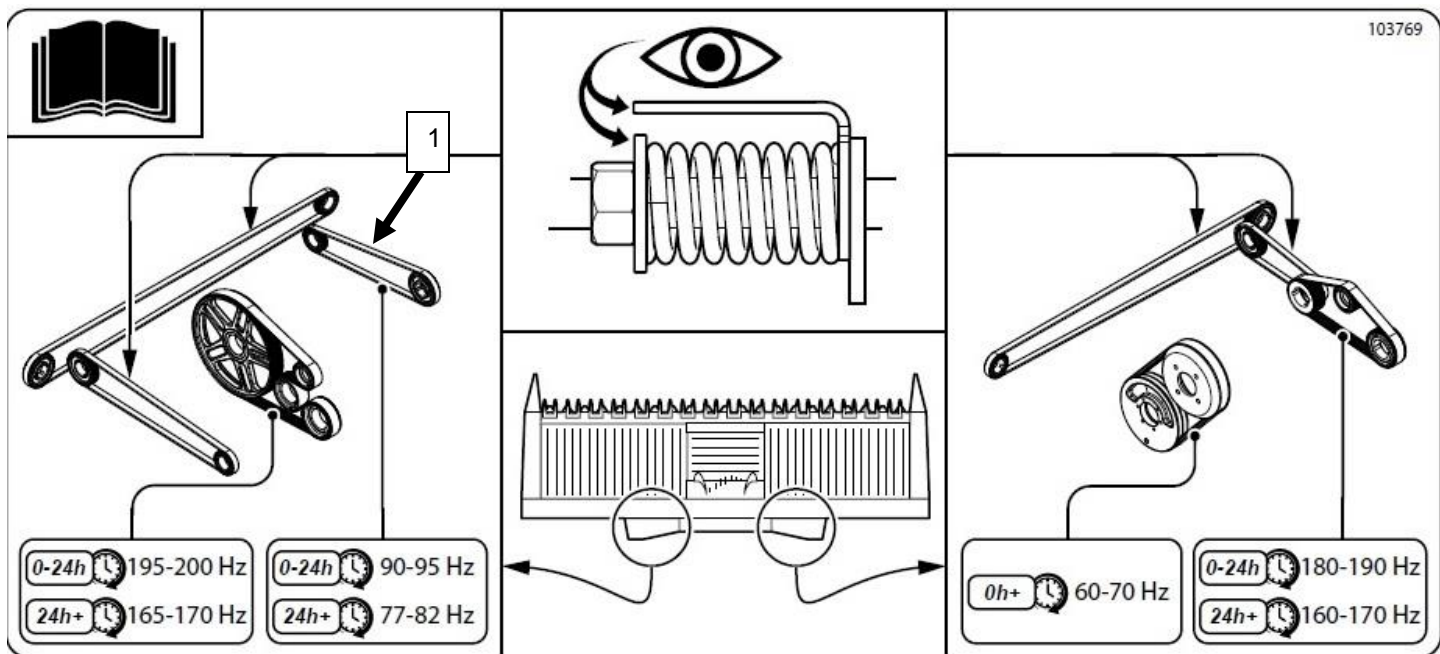


Figure 1

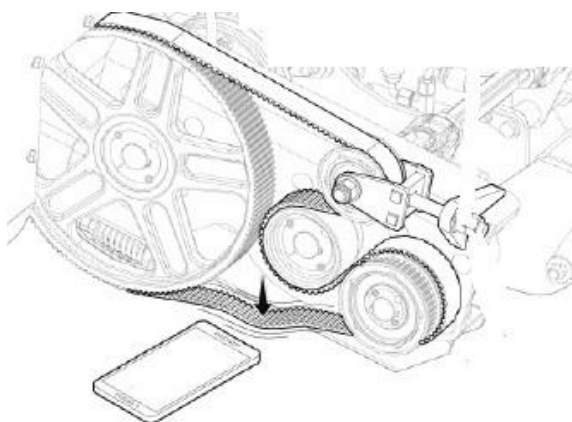


Figure 2

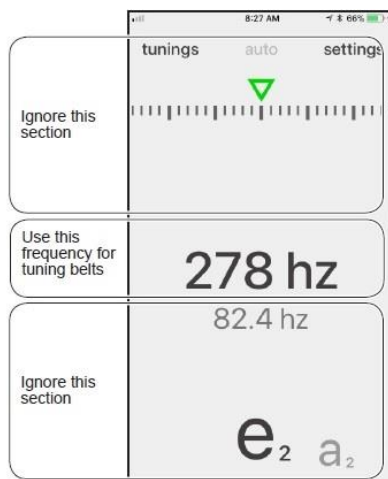


Figure 3

2. The Feeder Deck drive belt tension system was also changed for the Model Year 2019 headers. On past years the tension system was a spring system. This spring system would allow the belt to jump if the combine reverse was too harsh or if the system was “rocked back and forth”
 - To resolve this issue in 2019 the drive belt for the feeder deck (item 1 Figure 1) no longer has a spring on the tensions system.
 - This belt must be adjusted with the fine tuner app. (Figure 4)
 - For units Model year 2017 and 2018 that have an issue with the belt failure due to the combine there is a kit to convert the spring tension system to the direct tension system. The contents for the kit are listed in Figure 5.
 - **Note: This kit will only work on Model Year 2017 and 2018 Headers. This kit cannot be installed on any MY 17 that had the subframe converted to a non-suspend frame.**

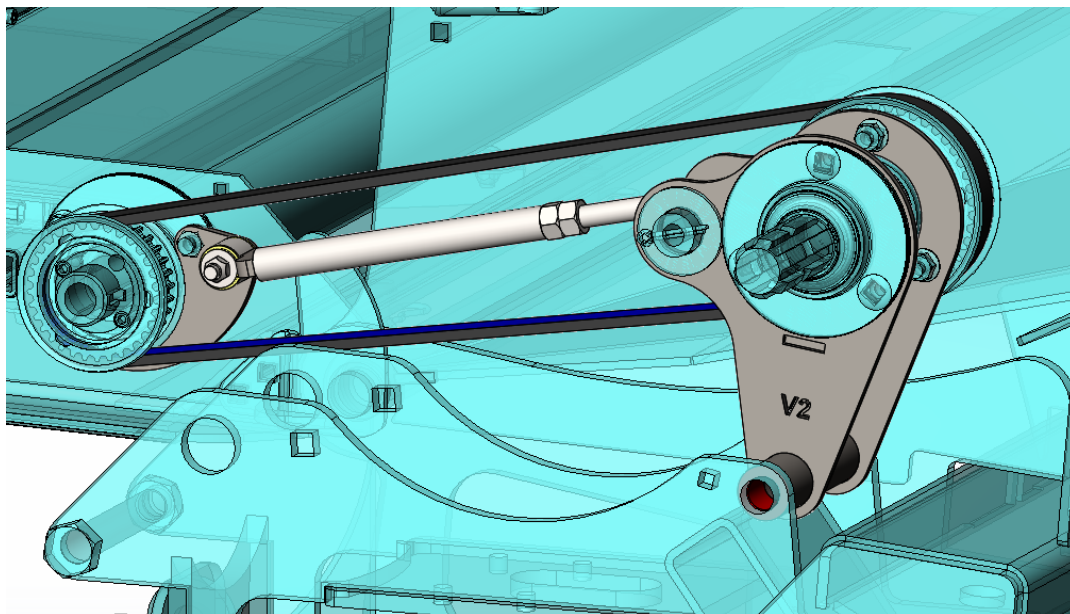


Figure 4

Qty	Description	Part Number
1	Offset Adjusting Tube	G205333
1	Tension Weld Assembly	G205277
1	Mounting plate belt tension	G205243
1	Drive bearing housing	201173
2	Bearing housing	89584
1	1/2 X 7" Grade 5 bolt	29060
1	5/16 X 2" Grade 5 carriage bolt	27247
1	5/16" c/lock nut	19989
1	Belt 21mm X 1280mm	201629
2	5/16" Flat washer	19921
3	1/2" Grade A Nut	19804

Figure 5

Ordering Information:

Part Number	Description	Qty
103769	Belt tension decal	1
95127	Feeder Deck upgrade Kit	1

Labor Allowance: N/A

Upgrade tension kit is only needed on combines that have issues with the belt during reversing the feeder house.