

Product Bulletin



CLAAS of America Inc.

8401 South 132nd Street, Omaha, NE 68138
 Phone: 402-861-1000
 Fax: 402-861-1003

BULLETIN NO: PB-125c

DATE: 26 February 2016

TO: All CLAAS Forage Dealers

SUBJECT: Operational Tips for PU 300 PRO and PU 380 PRO with CLAAS JAGUAR

The below information is intended for informational purposes only and does not constitute a warranty. Refer to JAGUAR and PU Operation and Maintenance Manual for further instruction.

The following is a chart for recommended auger sprockets for different lengths of cut on a 900 and 800 series JAGUAR. It is important to have correct sprocket selected for optimum performance in regards to capacity and smooth crop flow out of the spout.

Note: JAGUAR 900 series 494 with a 20 knife drum, but with software set to 24 knife drum, must follow the 24 knife drum sprocket settings to the length of cut display on CEBIS.

PU 300 PRO / 380 PRO JAGUAR 900 Series (all) with 24 Knife Drum				PU 300 PRO / 380 PRO JAGUAR 900 Series (497) with 20 Knife Drum (Software set to 20 Knife)			
Range - Length of Cut	Works Best at Length of Cut	Which End for Sprocket	Sprocket Size for Auger Drive (# Teeth)	Range - Length of Cut	Works Best at Length of Cut	Which End for Sprocket	Sprocket Size for Auger Drive (# Teeth)
11-14	12.5	Auger	31	15.5-18.5	17	Auger	31
		Clutch	15			Clutch	15
13-15	14	Auger	30	17.5-19.5	18.5	Auger	30
		Clutch	15			Clutch	15
14-17	16	Auger	30	18.5-21.5	20.5	Auger	30
		Clutch	17			Clutch	17
16-18	17	Auger	30	20.5-22.5	21.5	Auger	30
		Clutch	18			Clutch	18
17-19	18	Auger	24	21.5-23.5	22.5	Auger	24
		Clutch	15			Clutch	15
18.5-21	20	Auger	24	23-25.5	24.5	Auger	24
		Clutch	17			Clutch	17
19.5-22	21	Auger	24	24-26.5	25.5	Auger	24
		Clutch	18			Clutch	18
PU 300 PRO / 380 PRO JAGUAR 800 Series (496) with 20 Knife Drum							
Range - Length of Cut	Works Best at Length of Cut	Which End for Sprocket	Sprocket Size for Auger Drive (# Teeth)				
8.5 or 11	11	Auger	31				
		Clutch	15				
17	17	Auger	30				
		Clutch	15				
17 or 21		Auger	30				
		Clutch	17				
21	21	Auger	24				
		Clutch	15				

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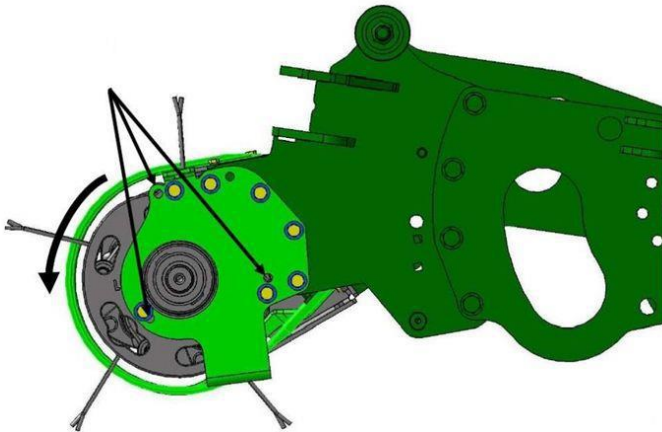
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DYNAMIC POWER

It is critical to have header height on CEBIS adjust so when turning on headland and the header height reaches headland status in CEBIS so the DYNAMIC power goes to full power when the header is lowered below headland height.

Adjusting Cam track timing of 2015 and new PU pick-ups (type i35)

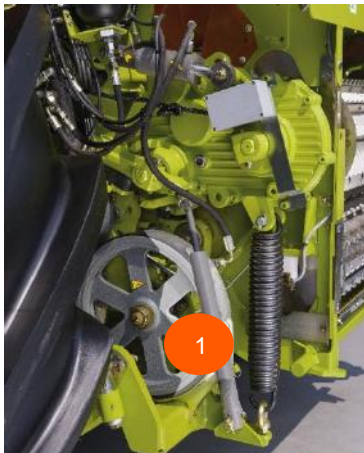
A second set of holes are available on the cam track to turn back the timing 10 degrees. This is helpful in very heavy windrows and/or long stemmed crops. The second set of holes helps release the loads on the tine bars



Hydraulic Feedroll Tension kit (1) for JAGUAR 900 series 494 (Standard on JAGUAR 900 series 497)

For lengths of cut over 16mm, a hydraulic feedroll tensioner is available through parts. It helps smooth out the feedrolls which results in less vibration and better chop quality in all crops.

Kit number: 1390 465.1



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Adjusting Feedroll Spring Tension (494/496 series)

Proper feedroll spring tension is imperative to the performance of the JAGUAR. When viewing the feedrolls in operation from the side, the front should open higher than the back. The feedrolls should not teeter-totter back and forth. As the crop comes in, the crop should form a sideways “V,” narrower as it gets to the knife drum. The feedrolls should not be violently moving if the springs are adjusted properly.

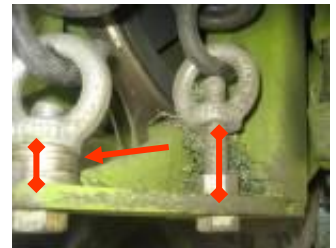


Adjusting feedroll spring tension on right side when harvesting over 10mm

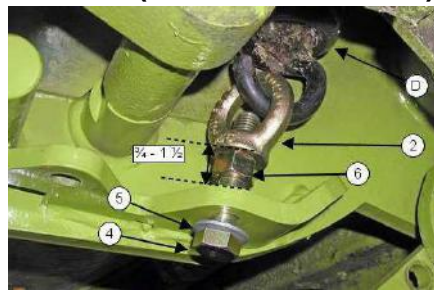
It has been observed that by reducing the tension on the front feedroll springs, capacity can be increased with JAGUAR 930-980.

On the right side of the machine

(Viewed from rear), Front spring - add 3-7 washers between the eye bolt and the frame so that the spring is tight, but not stretched. The rear spring should be loosened so it is approximately 0.75-1.5 inch between the bottom of the Eye nut and the frame.



Adjusting Springs on Left Hand Side (After SN 49402914)



Adjust front spring so it is tight but with no tension drawn on it.

Adjust rear spring between .75-1.5 inch – keep left and right side the same length. Longer length of cut and 960-980 should be on the high side of the measurement.



Left Side Weldment kit before SN 49402914 kit (PN: 1324 657.0)

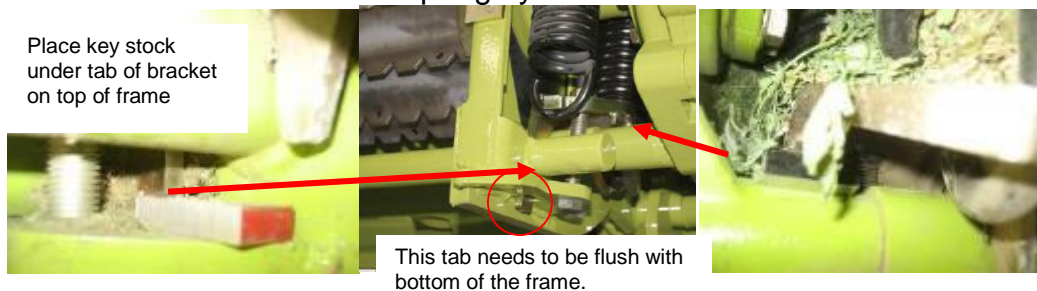
To independently adjust the feedroll springs on the left side, kit (PN 1324 710.0) needs to be installed. See Service Information 11642 for more details

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If the weldment kit is not installed:

On the left side of the machine (viewed from rear), take a 1/2 inch thick x 1/2 inch wide x 1/2 inch long key stock and pinch between frame and bracket. When tightening the bracket, the bracket should be flush with the bottom of the frame. Lay a 1/2 piece of 3/8 inch thick pipe between the bracket and round green frame. After the pieces are installed, tighten the bolt so neither piece can move. This will have loosened the front spring by a 1/2 inch.

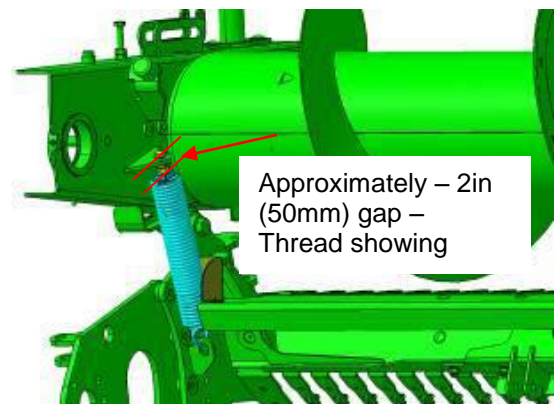
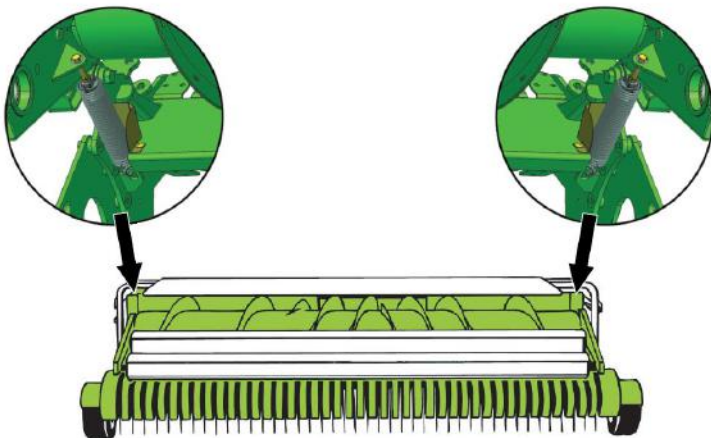


Feedroll Springs Adjustment

A front spring kit with reduced tension is available. The reduced tension springs allow clumpy crop to flow more easily. The reduced tension spring can significantly increase capacity on 930-980 machines. The kit includes 2 front springs and a longer bolt on the right side. Kit Part Number: 1318 797.0 (Standard on SN 49402019 and above)

Headers operating in large windrows or excessive auger bounce

For headers that are experiencing a lot of auger bounce or are operating in very large windrows, the following kit will help hold the auger down for smoother feeding: **Standard starting in 2011**
Part Number 1 318 319.0



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If a customer is experiencing crop wrapping on the center of the auger or light fluffy material, the following can be created.

4 rubber paddles can be bolted to the 4 center paddles on the auger

Dimensions: 11 inches long by 7 or 8 inches wide (Best Material to use is old round baler belt or 2 or 3 ply belt that does not have metal in it)



Proper Header Flotation

Whenever connecting the PU to the JAGUAR, one must follow the operator's manual and learn the upper and lower limits of the feedroll housing. If the limits are not learned, the PU will not float properly.

When operating a PU head in the field, it is very important to set the correct contour float. When setting contour, the brass colored round piece located on the side of the head needs to be in the upper third of the slot. The brass colored piece needs to stay in the center of the slot when the machine is moving forward on flat ground. It has been observed that many customers will set the contour when stopped, but when they move forward the head settles and proper floatation is lost and header rides heavy on the ground. Please see operator's manual for full explanation.



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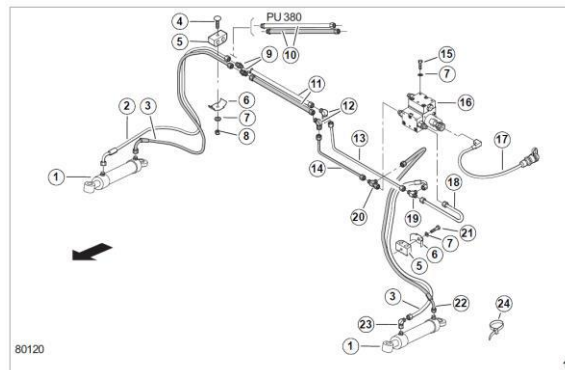
Header speed-up pulley mounted on right hand side of feedrolls

Do not use the header speed-up pulley when operating with a PU pick-up head. The header speed-up pulley is only to be used when harvesting with an ORBIS head at long length of cut (17-22mm), Sorghum or down crop.

Hydraulic Folding Gauge Wheels (Optional through parts only)

A kit is available to fold the front gauge wheels hydraulically from the cab for transport.

Part Number: **1312 084.0**



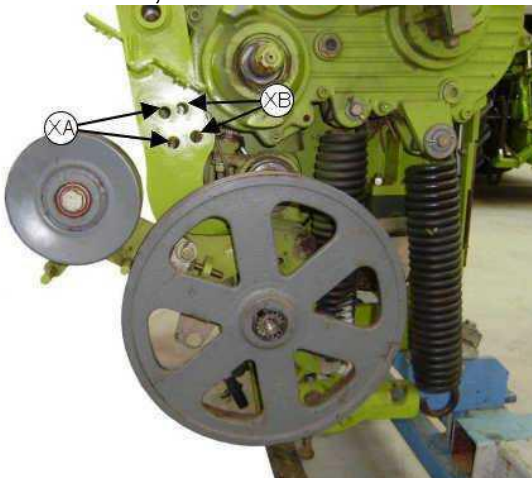
Feedroll Height Adjustment (494):

Adjustment on left side:

For the **corn harvest** spring plate (7) must be installed in the holes (XA).

For the **hay harvest** spring plate (7) must be installed in the holes (XB).

(The hay harvest setting helps smooth out clumpy windrows, if harvesting very light crop and chop quality is an issue, one can set to the corn harvest setting.)



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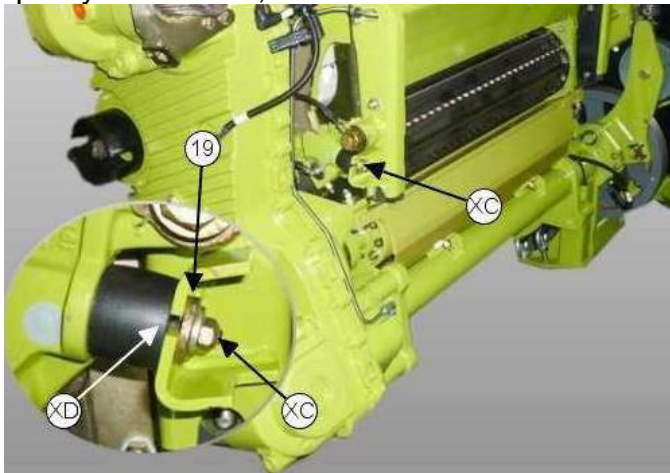
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Adjustment on right side:

For **corn harvest** washer (19) must be inserted under nut (XC).

For **hay harvest** washer (19) must be inserted between stop buffer and frame (XD).

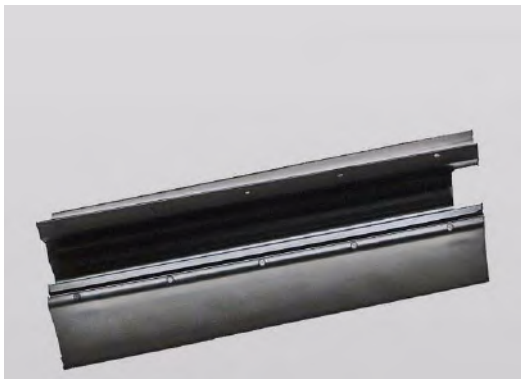
(The hay harvest setting helps smooth out clumpy windrows, if harvesting very light crop and chop quality is an issue, one can set to the corn harvest setting.)



More blowing effect for gummy or hard blowing crops – V-MAX drum

CLAAS offers special deflector between the knife and the drum body to provide more blowing effect and keep crop from building up and getting behind the knife. These are well suited for gummy crops or fluffy crops that do not blow well. See service information bulletin 11056 for details.

Part Kit Number: 1318 725.0



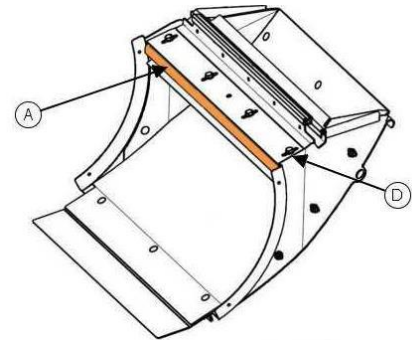
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Gummy Crop Solutions General: Refer to Service Information 12005

Refer to JAGUAR Operation and Maintenance Manual for further instruction.

1. Make sure drum bottom (z) is as close to knives as possible, but not touching. Remove shims if possible. In severe cases, this should be done every 25% of knife wear. Note: New style drum bottom is available from Parts to adjust closer on old JAGUAR 900 series 494 machines.

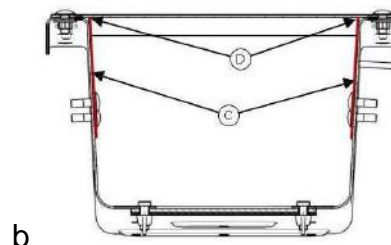
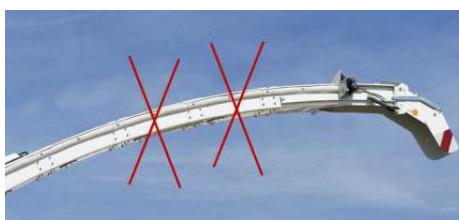


2. Make sure seal (A) is tight against drum housing (b)

3. Adjust Accelerator paddles close to back panel



4. Flat Accelerator paddles for severe blowing issue – plugging issues in spout
5. No Spout Extensions when harvesting pick-up crops (a)



6. Make sure spout wear parts are lined up correctly to the top of the spout plate (b)

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7. Adjust End Cap into Grass positions
“Z” is Grass / Alfalfa position
“X” is Corn position

