REDEKOP™

STRAW TINE DEFLECTOR

JOHN DEERE S-SERIES

INSTALLATION MANUAL

PRODUCT NUMBER: **SC731K**

SC0161-01_R6

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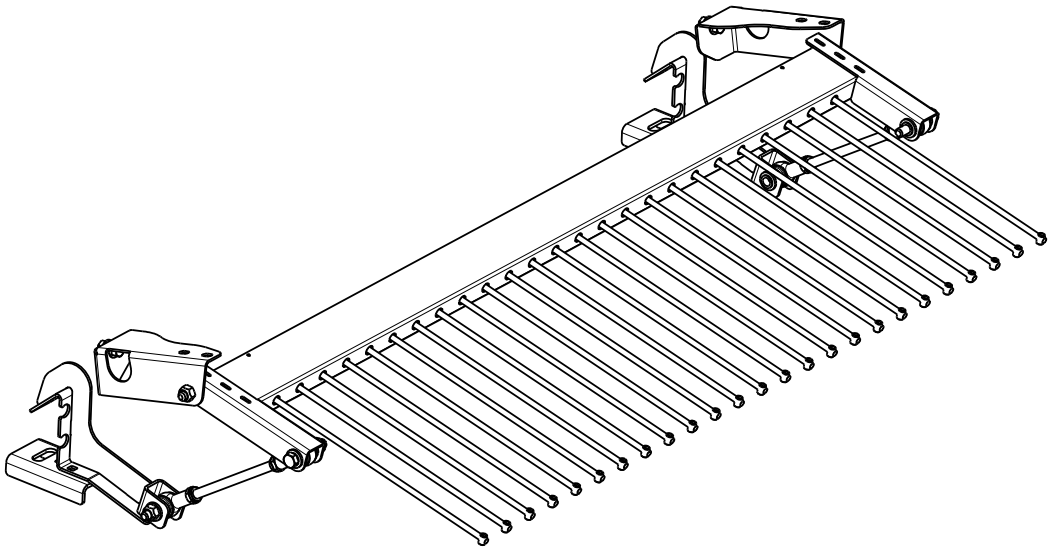


Straw Tine Deflector Installation

Parts List:

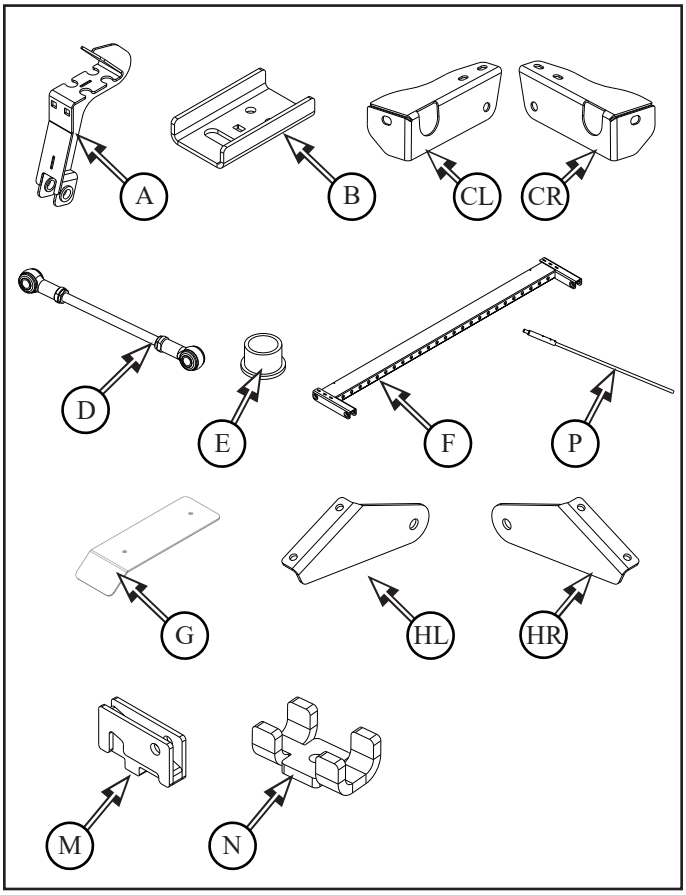
SC733GL	Shoe Mount Bracket (**A**)	Qty 2
SC734G	Bottom Shoe Mount Bracket (**B**)	Qty 2
SC1421GL	Beater Ext Support Brkt Left (**CL**)	Qty 1
SC1421GR	Beater Ext Support Brkt Right (**CR**)	Qty 1
SC732A	Link Tine Assy (**D**)	Qty 2
RP1368	Flanged Bushing (**E**)	Qty 10
SC731GA	Straw Tine Deflector Frame (**F**)	Qty 1
SC731-03A	Tine Rod Assy (**P**)	Qty 25

Mounting Brackets for Overshot Beater:

SC790-01_Template	Drill Template (**G**)	Qty 1
SC790GL	Upper Mount Bracket Left (**HL**)	Qty 1
SC790GR	Upper Mount Bracket Left (**HR**)	Qty 1

Mounting Brackets for S600:

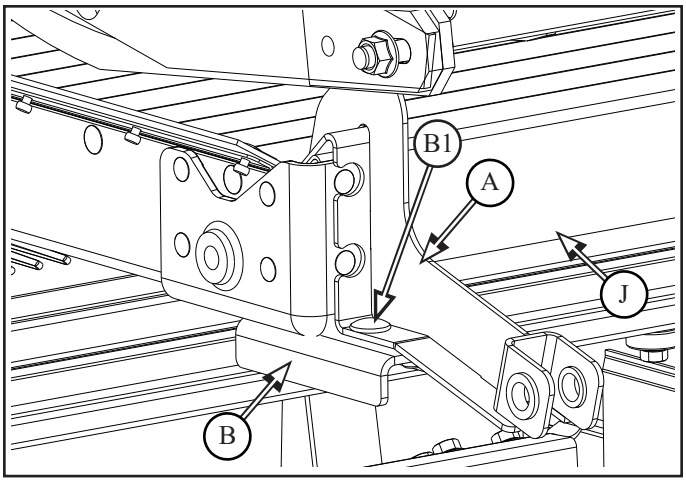
SC796G	Wedge Bracket (**M**)	Qty 2
SC801G	Spacer (**N**)	Qty 2



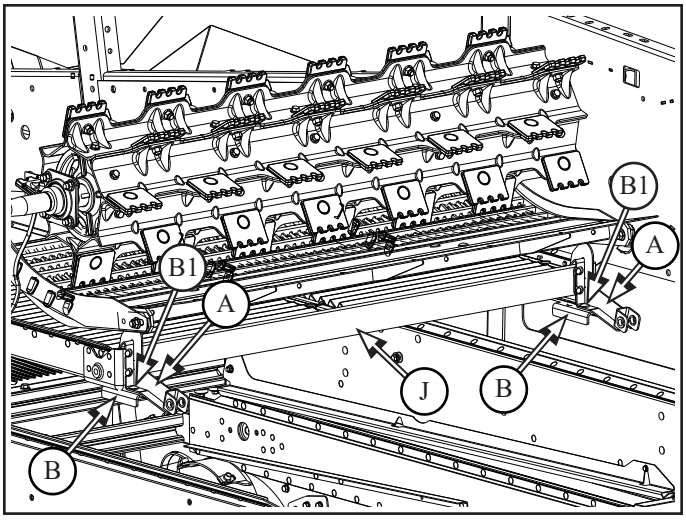
S700 Series Mounting Brackets:

1.1.1 Place shoe mount bracket (**A**) onto left and right corner of shoe platform (**J**)

1.1.2 Attach bottom shoe mount bracket (**B**) to shoe mount bracket (**A**), with:
- M10 x 25 round head bolt and lock nut (**B1**) x2
- both sides



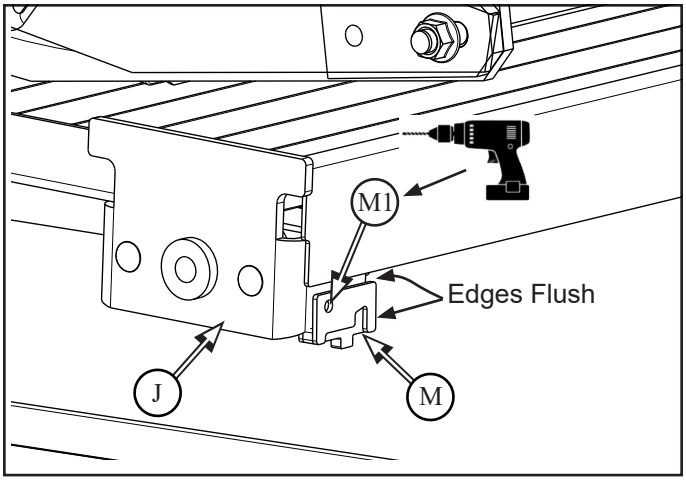
1.1.3 Overall view with shoe mount brackets (**A**) installed



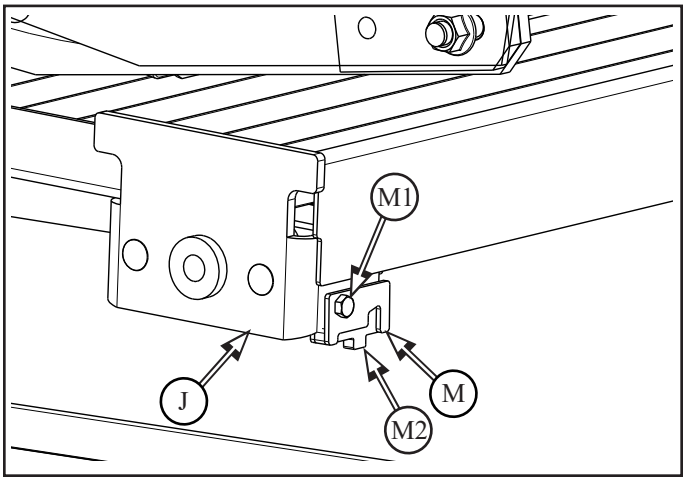
S600 Series Mounting Brackets:

1.2.1 Clamp wedge bracket (**M**) to bottom of left shoe corner platform (**J**), flush with inside edge

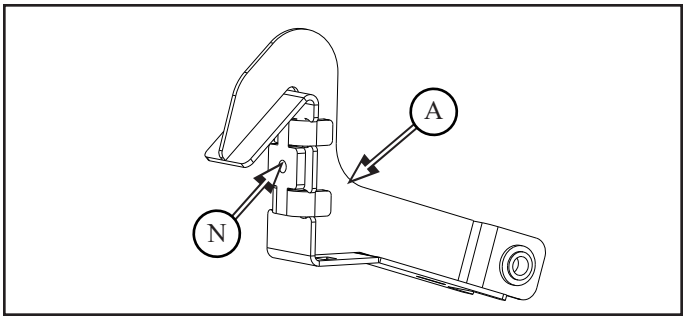
1.2.2 Drill 6.5mm hole (**M1**) thru hole in bracket (**M**) thru shoe platform (**J**)
- both sides



1.2.3 Install wedge bracket (**M**) to corner of shoe platform (**J**), with:
- M6 x 20 hex head bolt and lock nut (**M1**)
- both sides

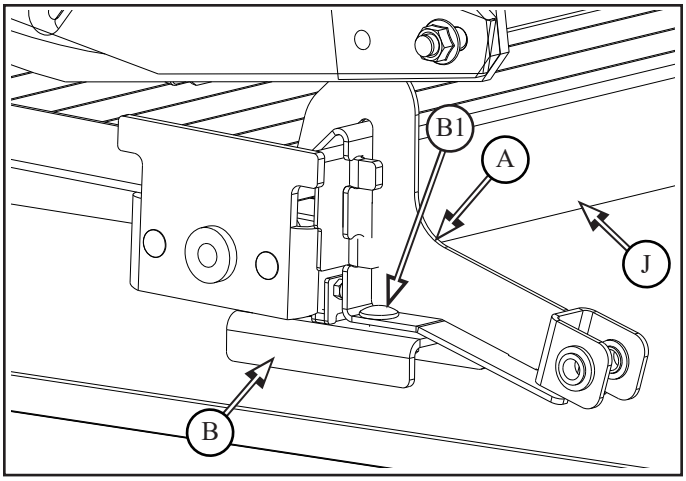


1.2.4 Place spacer (**N**) onto inside face of shoe mount bracket (**A**)

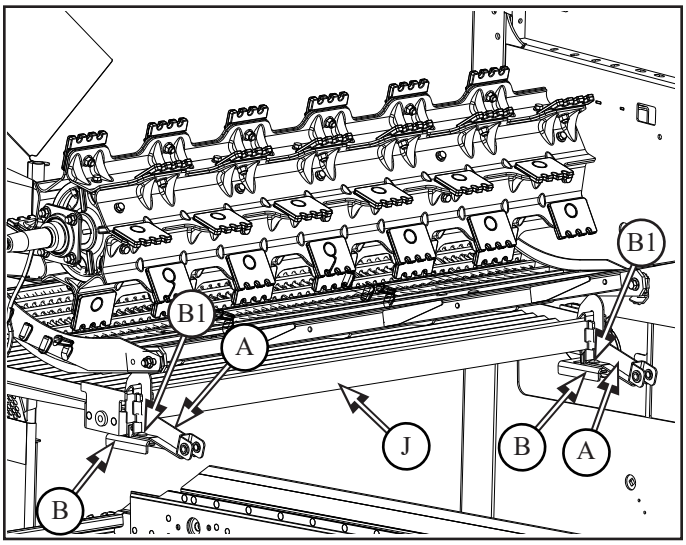


1.2.5 Place shoe mount bracket (**A**) onto left and right corner of shoe platform (**J**)

1.2.6 Attach bottom shoe mount bracket (**B**) to shoe mount bracket (**A**), with:
- ensure protrusion (**M2**) on wedge bracket (**M**) sits into hole in bottom shoe mount bracket (**B**)
- M10 x 25 round head bolt and lock nut (**B1**) x2
- both sides

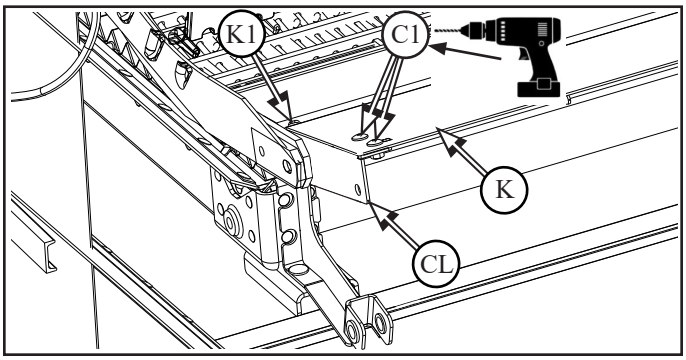


1.2.7 Overall view with shoe mount brackets (**A**) installed



Without Overshot Beater:

2.1.1 Remove existing mount hardware (**K1**) x1 from beater floor extension (**K**)
- to be reused on new bracket
- both sides



2.1.1 Clamp upper tine mount bracket (**CL**) to underside of beater floor extension (**K**) aligning to rear and side edge.
- both sides

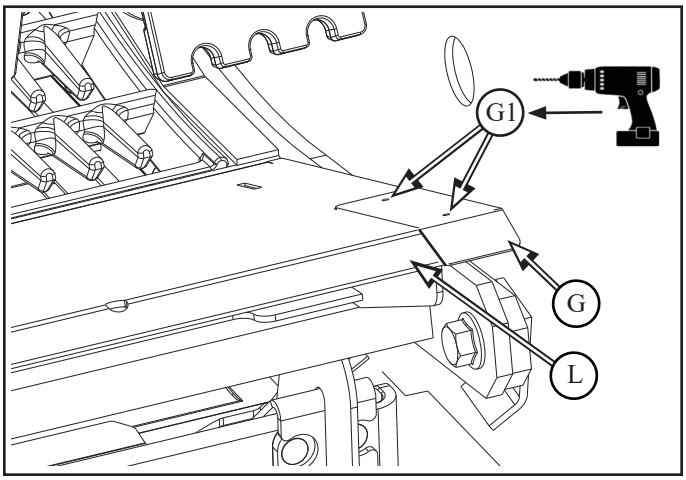
2.1.2 Mark holes or using mount bracket (**C**) as a template, drill 9mm hole (**C1**) x2 thru beater floor extension (**K**)
- both sides

2.1.3 Install upper tine mount bracket (**C**) to underside of beater floor extension (**K**), with:
- M8 x 16 round head allen socket bolt and flange nut (**C1**) x2
- reuse mounting hardware (**K1**)
- both sides

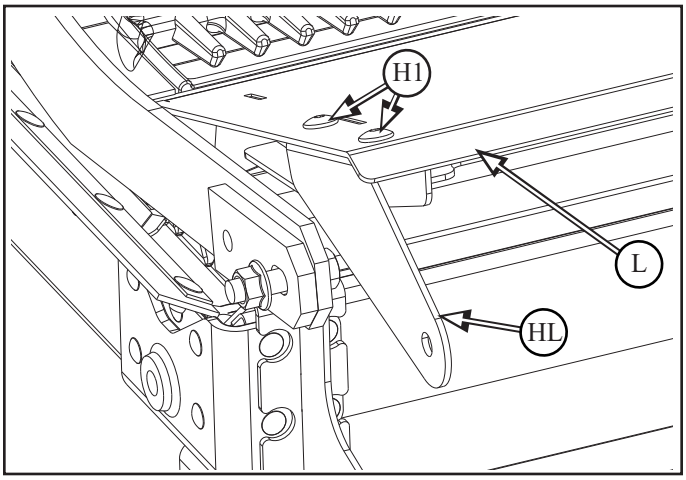
With Overshot Beater:

2.2.1 Clamp drill template (**G**) to overshot beater floor extension (**L**) aligning to side edge.
- both sides

2.2.2 Drill 8.5mm hole (**G1**) x2 thru overshot beater floor extension (**L**)
- both sides



3 Install upper tine mount bracket (**HL**) to underside of overshot beater floor extension (**L**) thru holes (**G1**) just drilled, with:
- M8 x 16 round head allen socket bolt and flange nut (**H1**) x2
- repeat for otherside

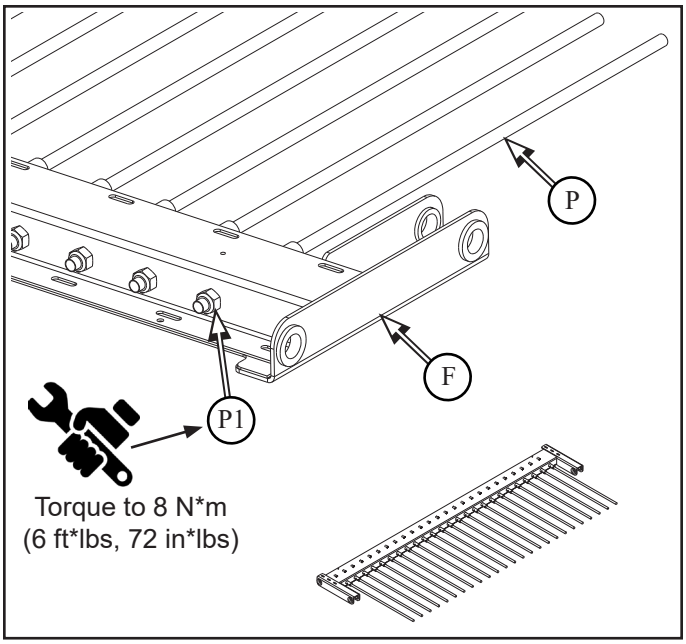


4 Install tine rod assembly (**P**) x25 to straw tine deflector frame (**F**), with:
- M8 nylon lock nut (**P1**) x25

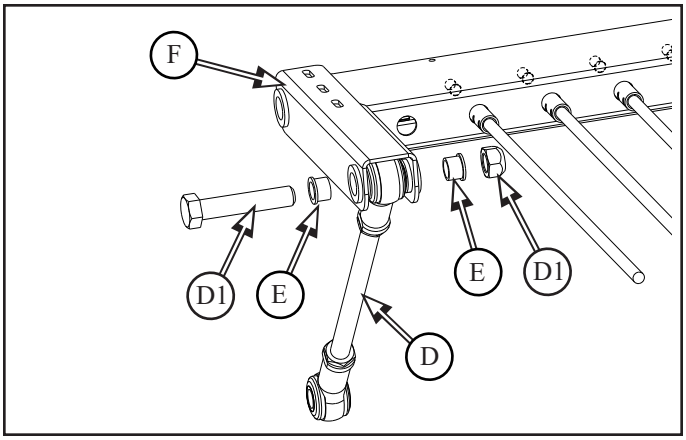
Do Not use an Impact Wrench

4.1 Torque (**P1**) to 8 N*m (6 ft*lbs, 72 in*lbs)

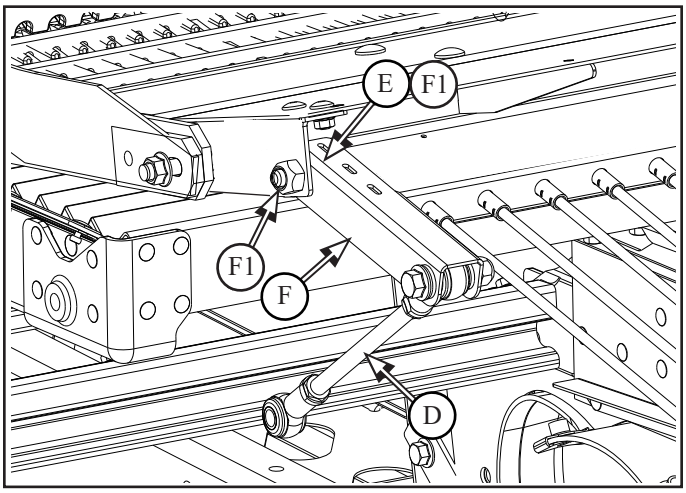
Do Not overtighten - alum. threads will strip



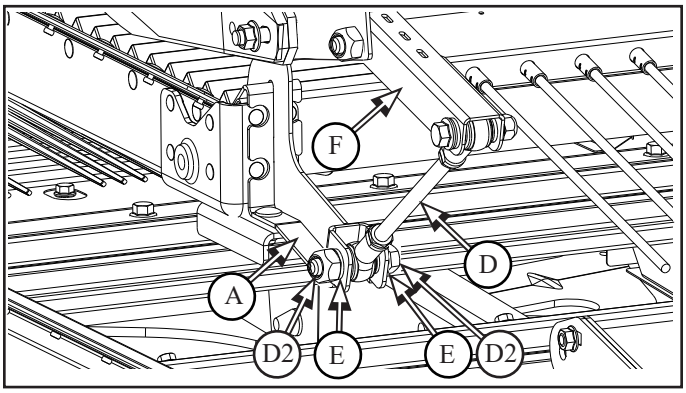
5 Install link assembly (**D**) into arms of straw tine deflector assembly (**F**), with:
- M12 x 60 hex bolt and lock nut (**D1**)
- flanged bushing (**E**) x2
- both sides



6 Install straw tine deflector assembly (**F**) to upper tine mount bracket (**C**) (or **H** with overshot beater) with:
- M12 x 30 flange bolt and lock nut (**F1**)
- flanged bushing (**E**) on bolt head side
- both sides

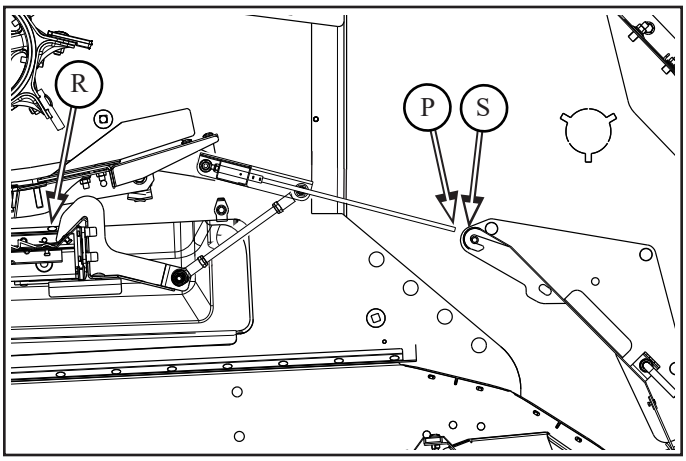


7 Install link assembly (**D**) into shoe mount bracket (**A**), with:
- M12 x 60 hex bolt and lock nut (**D2**)
- flanged bushing (**E**) x2
- both sides



8 Turn threshing system so that the return pan (**R**) is fully forward

8.1 Set position of tine assembly so that end of tines (**P**) are positioned at middle of nose of panel (**S**)



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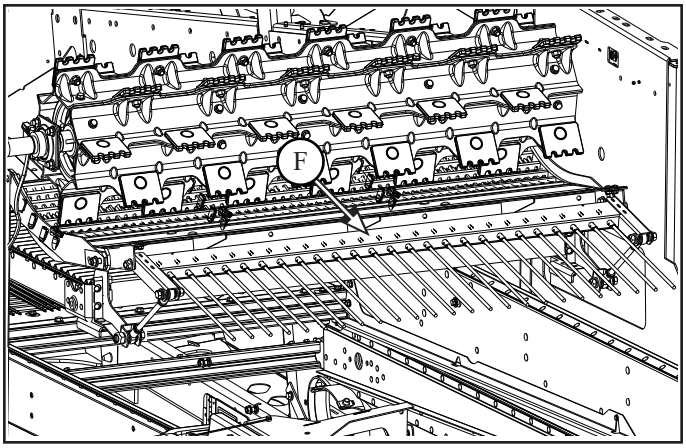
9 View with straw tine deflector assembly (**F**) installed



CAUTION

Check that all tools and loose hardware have been removed from the combine and SCU before running

CAUTION

Check all fasteners to ensure they have been properly tightened

Torque Table		
Nominal Size	Class 8.8	Class 10.9
	Nm / (ft-lbs)	Nm / (ft-lbs)
M8 - flanged	27 / (20)	39 / (29)
- non flanged	25 / (18)	35 / (26)
M10 - flanged	54 / (40)	57 / (42)
- non flanged	49 / (36)	70 / (51)
M12 - flanged	93 / (69)	134 / (98)
- non flanged	85 / (63)	121 / (90)

CAUTION

Wear Hearing Protection during operation

CAUTION

When starting chopper and SCU, be sure all people are clear of the rear of the combine

Start threshing module in low speed and listen for clearance problems. If a knocking noise is heard, stop the machine immediately! Fix problem and repeat procedure. Progress to full power when everything is running smoothly at lower speeds.

REDEKOP MANUFACTURING

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