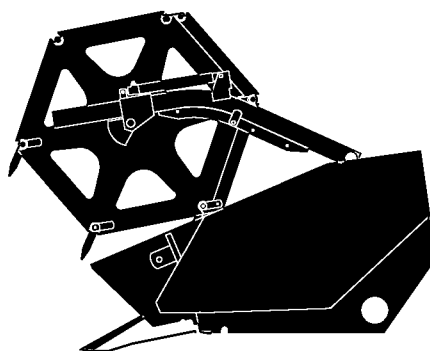


# ***REPAIR MANUAL***

# ***CLAAS***



***CLAAS***  
***CUTTERBAR***  
***3.90 m – 9.00 m***  
***LEXION***

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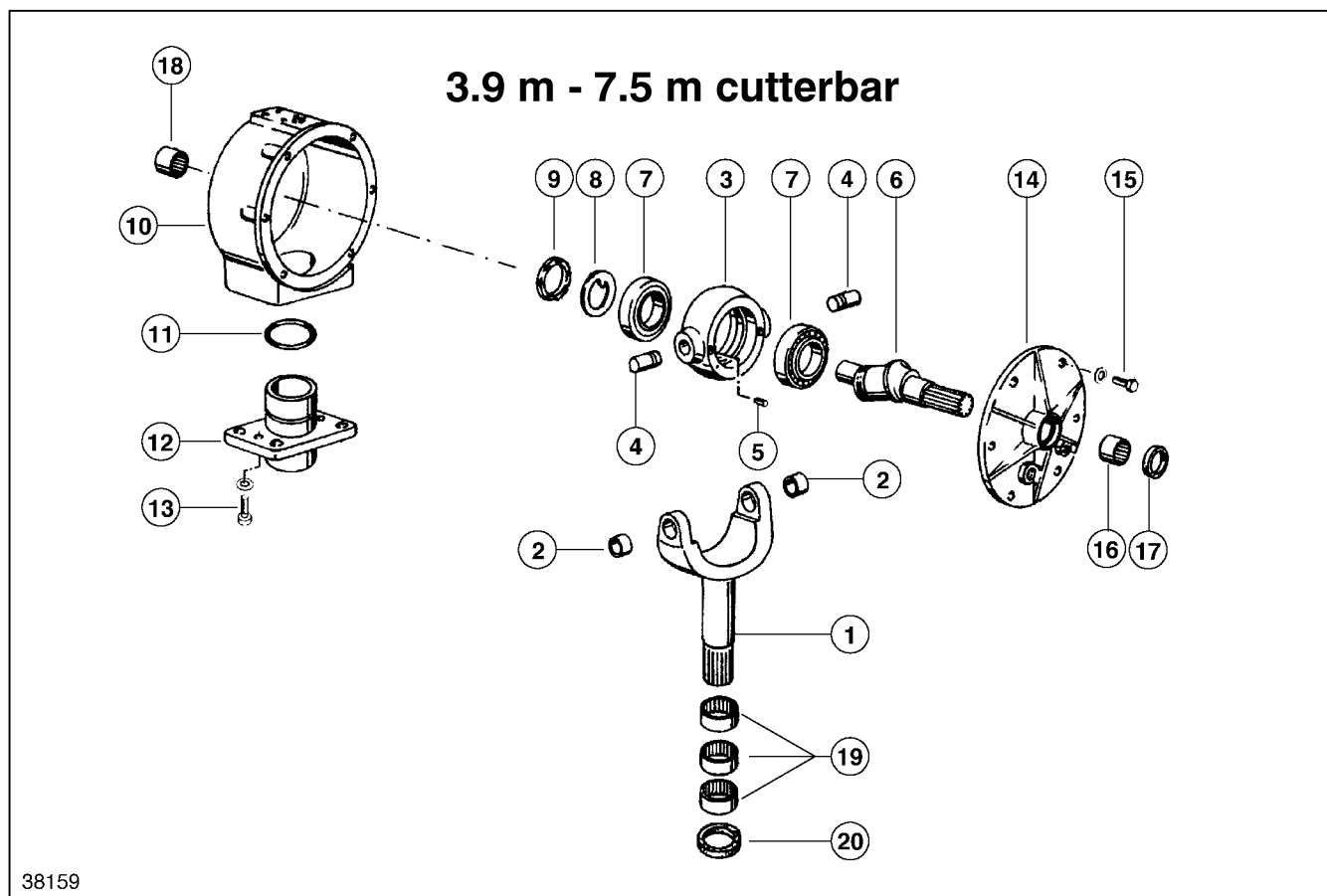


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**3**

***Drives***



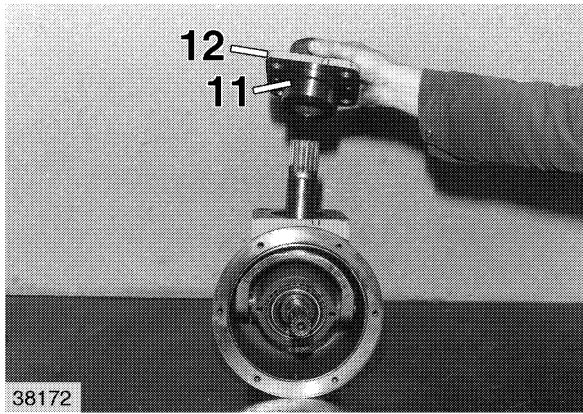
38159

18

Wobble mechanism, dismantled:  
(3.90 m - 7.50 m cutterbar)

- 1 Swing fork
- 2 Bearing bush
- 3 Wobble housing
- 4 Bearing journal
- 5 M 8 x 16 DIN 915 set screw
- 6 Wobble shaft
- 7 Taper roller bearing 32 011 DIN 720
- 8 Back-up ring
- 9 Slotted nut
- 10 Mechanism housing
- 11 70 x 4-N DIN 3771 O-ring
- 12 Bearing housing
- 13 M 8 x 16 cheese head screw DIN 7984-8.8
- 14 Cover
- 15 M 8 x 20 hex. head bolt DIN 933-10.9
- 16 Spring washer (8)
- 17 Needle bushing HK 3520 DIN 618
- 18 Shaft seal B2SL 35 x 52 x 9/11
- 19 Needle bearing BK 2526
- 20 45 x 52 x 20 needle bushing
- 21 AS 45 x 62 x 8 DIN 3760 radial seal

(Fig. 18)



10. Insert the wobble shaft in the mechanism housing together with the swing fork.

Lubricate the O-ring (11) slightly and insert it.



Apply sealing compound to the flange surface on the bearing housing (12) and screw it down.

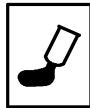
(Figs. 35, 36 and 47)

47



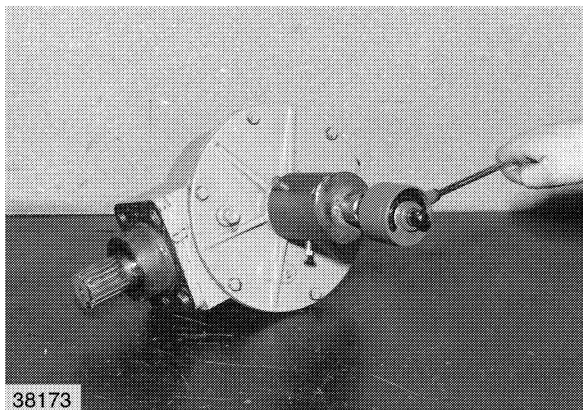
11. Lubricate the O-ring (22) slightly and insert it.

Screw on the mechanism cover (14) using liquid sealing compound.



M 8-10.9 = 63 Nm

(Figs. 35 and 40)



48

12. Determine the turning torque at the wobble shaft without the shaft seals.

**Turning torque = 2.5 Nm - 5.0 Nm**

(Fig. 48)



13. Fill the torus on the shaft seals (17 and 20) with grease and drive them in.



**NOTE:** Use liquid sealing compound to insert shaft seals with a metal casing.

(Figs. 35 and 36)

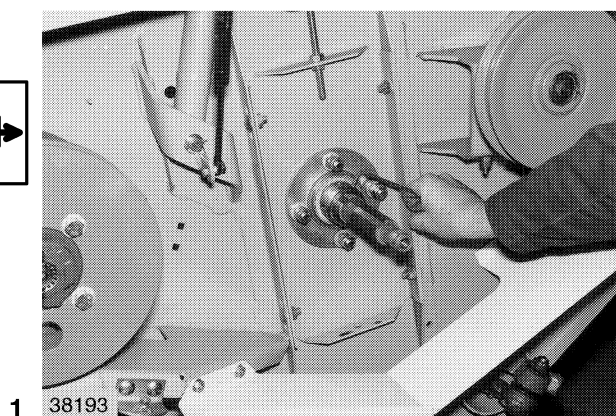
Install the wobble mechanism.

## INTAKE AUGER

### Removing the intake auger bearing (left) (3.90 m - 4.50 m cutterbar)

Remove the slip clutch for the intake auger.  
Remove the set collar and loosen the lock collar bearing.

(Fig. 1)

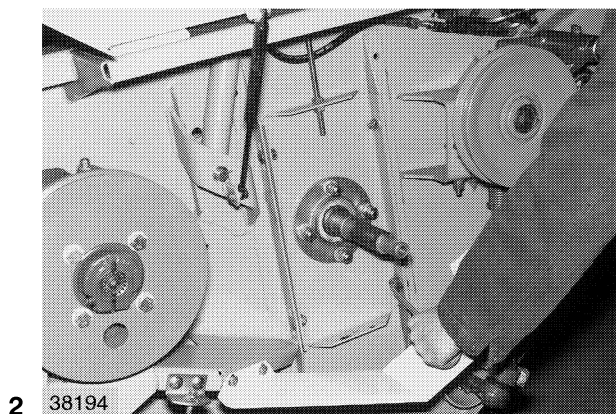


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Support the intake auger.

Take off the bearing plate and unscrew the adjusting bolt.

(Fig. 2)

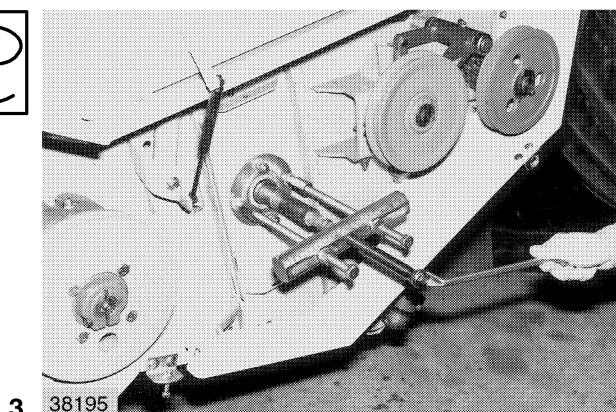


2 38194

Use special tools to extract the bearing plate from the drive shaft. Pay attention to the shims.

Unscrew the bearing flange from the bearing plate.

(Fig. 3)

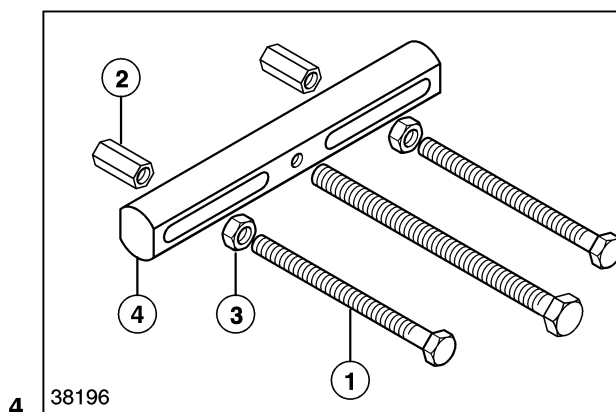


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Special tools:

- 1 M 16 x 300 hexagon bolt  
Spare Part No. 237 375.1
- 2 M 16 - M12 reducer  
Spare Part No. 181 933.0
- 3 M 16 hexagon nut  
Spare Part No. 244 059.0
- 4 Extractor bar  
Spare Part No. 181 621.0

(Fig. 4)



4 38196

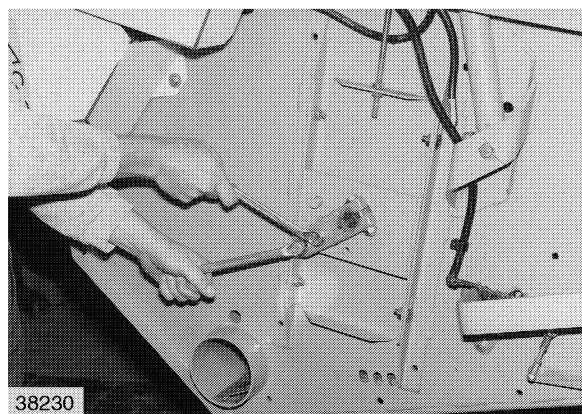
## Removing the intake auger bearing (right)

(5.40 m - 9.00 m cutterbar)

Turn the intake auger so that the assembly cover is at the front.

Unscrew the adjusting lever and pull it off. Pay attention to the shims.

(Fig. 38)

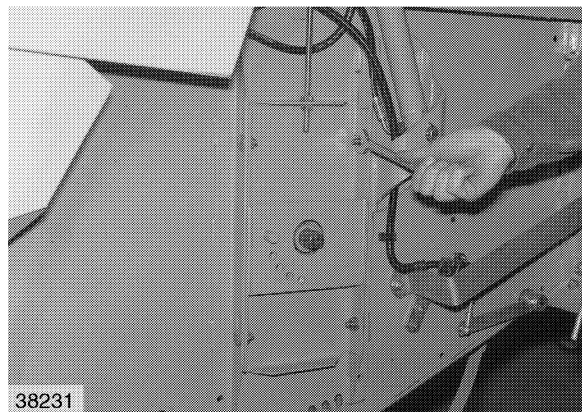


38

Support the intake auger.

Take off the bearing plate and unscrew the adjusting bolt.

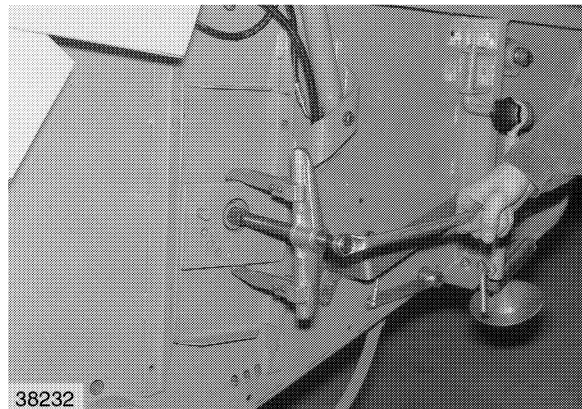
(Fig. 39)



39

Pull off the bearing plate by means of an extractor.

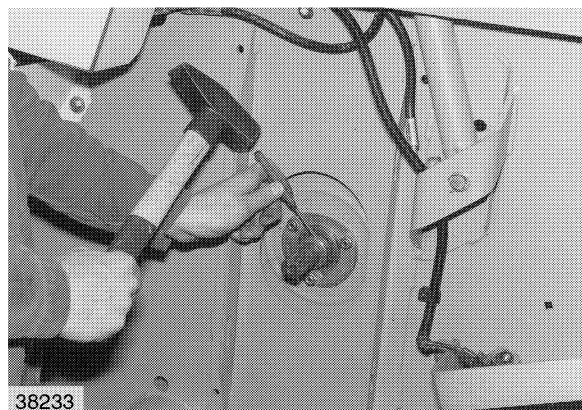
(Fig. 40)



40

Unlock and loosen the lock collar.

(Fig. 41)



41

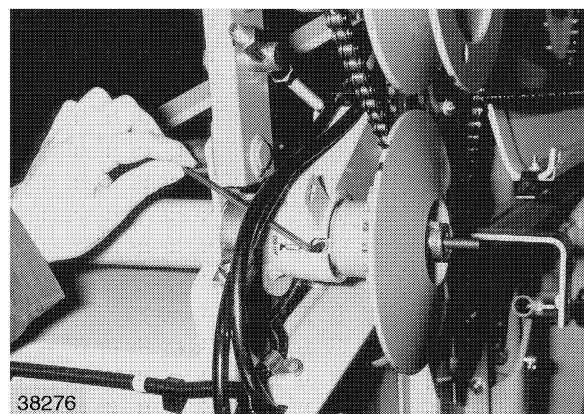
## 5 REEL

### REEL DRIVE

Removing the reel drive chain (42) . . . . .	5.1 / 1
Fitting and adjusting the reel drive chain (42) . . . . .	5.1 / 1
Removing the reel drive chain (46) . . . . .	5.1 / 1
Fitting and adjusting the reel drive chain (46) . . . . .	5.1 / 2
Removing the reel drive belt (43) . . . . .	5.1 / 2
Fitting the reel drive belt (43) . . . . .	5.1 / 3
Removing the reel drive chain (44) . . . . .	5.1 / 3
Fitting the reel drive chain (44) . . . . .	5.1 / 4
Removing the reel drive chain (45) . . . . .	5.1 / 4
Fitting the reel drive chain (45) . . . . .	5.1 / 4
Adjusting the spring cylinder . . . . .	5.1 / 5
Removing the right-hand intermediate drive . .	5.1 / 5
Fitting the right-hand intermediate drive . . . .	5.1 / 6
Removing the sprocket for the reel drive chain (46) . . . . .	5.1 / 7
Fitting the sprocket for the reel drive chain (46) . . . . .	5.1 / 7
Removing the electric variable speed pulley for the reel . . . . .	5.1 / 8
Fitting the electric variable speed pulley for the reel . . . . .	5.1 / 9
Removing the electric reel speed changer . . . . .	5.1 / 10
Dismantling the electric reel speed changer . . . . .	5.1 / 11
The electric reel speed changer, dismantled . . . . .	5.1 / 12
Assembling the electric reel speed changer . . . . .	5.1 / 13
Fitting the electric reel speed changer . . . . .	5.1 / 15
Removing the bearing tube for the variable reel speed drive . . . . .	5.1 / 16
The bearing tube for the variable reel speed drive, dismantled . . . . .	5.1 / 16
Assembling and fitting the bearing tube for the variable reel speed drive . . . . .	5.1 / 17
Removing the spring-loaded variable speed pulley for the reel . . . . .	5.1 / 18
The spring-loaded variable speed pulley for the reel, dismantled . . . . .	5.1 / 20
Assembling the spring-loaded variable speed pulley for the reel . . . . .	5.1 / 21
Removing the reel drive sprocket (45) . . . . .	5.1 / 22
The reel drive sprocket (45), dismantled . . . .	5.1 / 23
Fitting the reel drive sprocket (45) . . . . .	5.1 / 23
Removing the slip clutch for the reel drive . . .	5.1 / 24
The slip clutch for the reel drive, dismantled . .	5.1 / 25
Fitting the slip clutch for the reel drive . . . . .	5.1 / 25

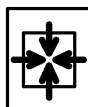
Unscrew the two set screws and pull off the pulley half.

(Fig. 23)



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### Fitting the electric variable speed pulley for the reel



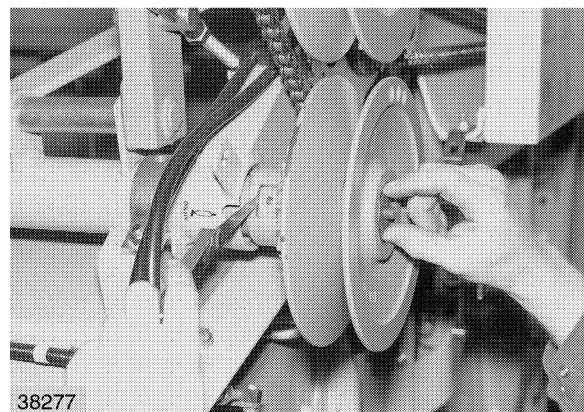
Insert the flat key and push on the pre-assembled rear pulley half.

Fix the pulley half in the recesses by means of the two set screws and tighten the screws.

(Fig. 23)

Push on the second pulley half and press it in with the thrust disc until there is a gap of  $1^{+0.5}$  mm between the two variable speed pulleys.

(Fig. 24)



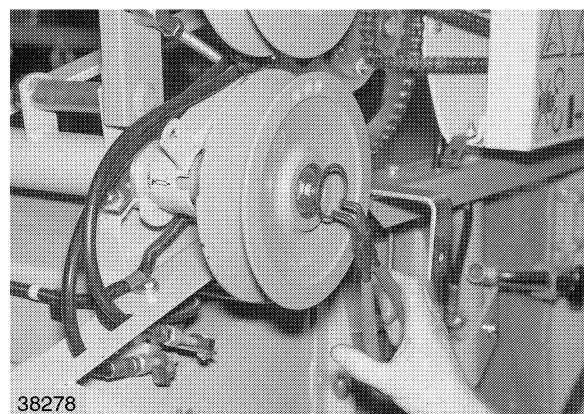
24 38277

Secure the thrust disc with the hexagon head bolt. Insert the circlip.

Fit and adjust the reel drive chain (42).

Fit and adjust the reel drive belt (43).

(Fig. 25)



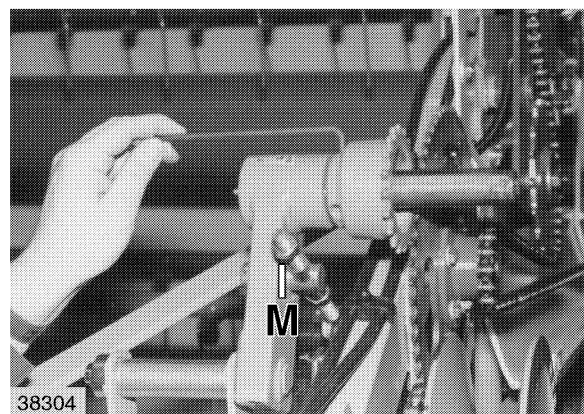
25 38278

Loosen the hexagon nut (M) until the drive chain is slack.

Open the chain-connect link and take off the chain.

Unscrew the two set screws and pull off the sprocket.

(Fig. 52)

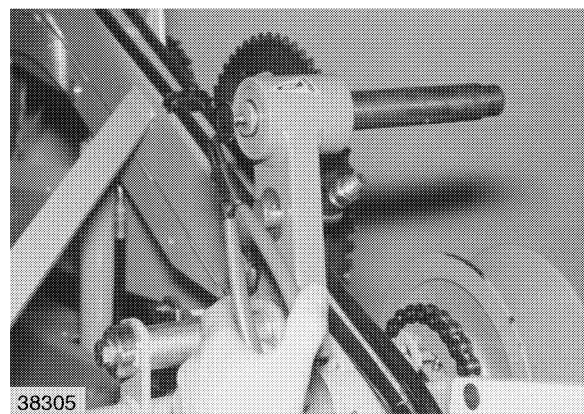


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Remove the circlip and unscrew the grease nipple.

Drive out the shaft by means of a soft metal drift.

(Fig. 53)



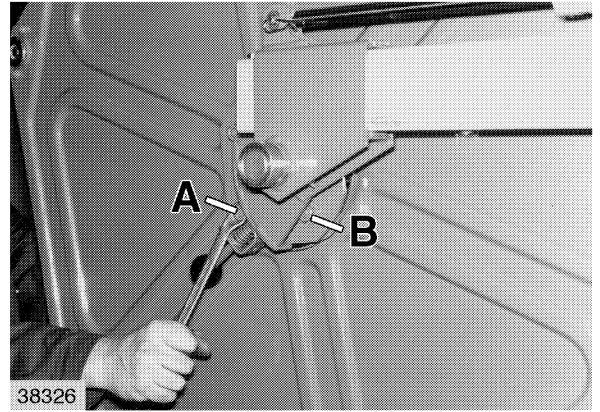
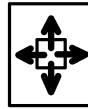
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**Removing the cam rollers**

Drive the reel to the foremost position (working position).

Loosen bolts (A and B) and press them through inwards.

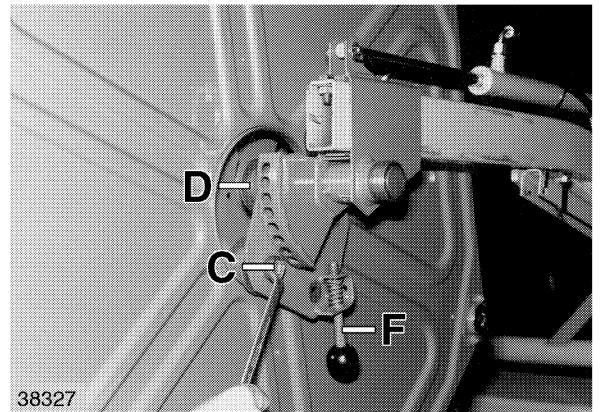
(Fig. 6)



Pull out the spring bolt (F) and fold down the cam roller bracket.

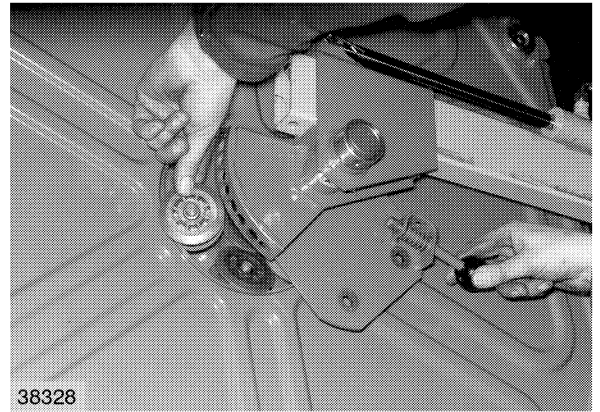
Unscrew bolts (C and D).

(Fig. 7)



Remove all four cam rollers with the bolts.

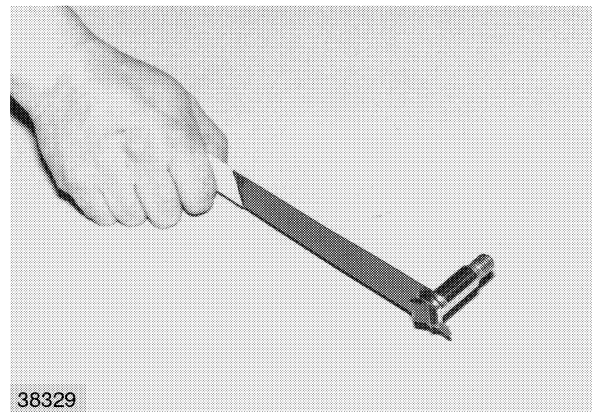
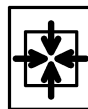
(Fig. 8)



**Fitting the cam rollers**

Insert a bolt with the cam roller. An auxiliary tool can be made to insert the bolt.

(Fig. 9)



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