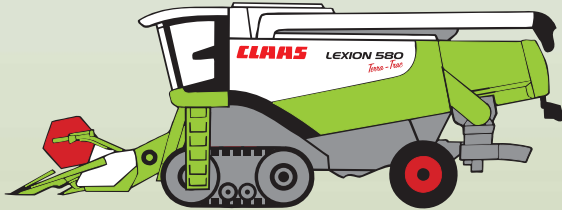


CLAAS



LEXION 580 TERRA TRAC
LEXION 560 TERRA TRAC

Fitting and Operating Instructions

SERVICE & PARTS

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3

General information

SAFETY RULES

Read and observe the fitting, operating and safety instructions before putting into operation!

Identification of warnings and danger signs

All parts of this operating instructions having to do with your safety or the safe operation of the machine are marked with the following signs. Please pass all safety instructions on to other users, too.



Gefahr!

Sign to indicate instructions which must be observed. Failure to do so would cause danger to life and limb of the operator and the people around him.

 Preventive measures.



Achtung!

Sign to indicate instructions which must be observed. Failure to do so could result in damage to the machine.

 Measures to prevent damage to the machine.



Hinweis!

Sign to indicate instructions for a more efficient and economic use of the machine.



Beachten!

Sign to indicate instructions which must be observed on disassembly/assembly.



Umwelt!

Sign to indicate instructions which must be observed in order to avoid damage to the environment.

Danger to the environment is caused by irregular handling and incorrect disposal of toxic material (e.g. waste oil).

The warning and instruction signs placed on the combine harvester provide important recommendations for safe operation. These instructions involve your safety - observe them at all times!

Correct use

The self-propelled combine harvester is designed exclusively for common applications in agriculture (correct use).

The use for any other than the originally intended purpose is considered as improper use; the manufacturer is not liable for damage that results from improper use; only the user bears the risk.

Proper use includes that the manufacturers instructions regarding operations, service and maintenance are observed.

The combine harvester may be used, serviced, and repaired only by persons who are familiar with the machine and are instructed about the risks.

Common accident prevention regulations and other established regulations for safety, occupational health and traffic rules must be observed.

Installation of, and refitting with, additional systems that are not original CLAAS equipment as well as changes and modifications may be performed only with permission by CLAAS as they may significantly affect the safety and function of the machine.

Unauthorised modifications to the machine void the manufacturer's liability for resulting damages.

General safety and accident prevention regulations

1. Apart from the recommendations in this manual, observe general safety rules and accident prevention regulations.
2. Observe the respective regulations when using public traffic routes.
3. Before beginning the work, make yourselves familiar with all operating equipment and their function. Once you are driving, it will be too late for this!
4. Before starting the engine, make sure that all safety devices are installed and are in protection position.
5. Start the engine only from the driver's seat. The engine must not be started by short circuiting the electrical connections at the starter as the machine may otherwise be set in motion immediately!

LEXION 580 TERRA TRAC**Engine**

DAIMLER CHRYSLER OM 502 LA

Cubic capacity [litres]

16

Maximum speed - no load [rpm]

2080⁺¹⁰

Rated speed [rpm]

2000

Mean idle speed (1/2) [rpm]

1500

Slow idle speed [rpm]

1200 ± 20

Reduced speed [rpm]

in third gear at 20 km/h

1695 ± 10

Reduced speed [rpm]

in third gear at 25 km/h

2080 ± 10

Engine power at rated speed

Power (EEC 80/1269) kW (HP)

340 (462)

at 2,100 rpm

Power (ECE R 24) kW (HP)

316 (430)

at 2,100 rpm

Cooling liquid

Alternator

160 A

Battery

12 V, 210 Ah

Fuel tank

Contents

800 litres

Auxiliary fuel tank (optional equipment)

Contents

180 litres

Ground drive

hydrostatic,

Operation via control lever in right arm rest of driver's seat

Gearbox

3 drive levels each for forward and reverse drive

first and second drive level: operating gear

third drive level: road gear

LEXION 560 TERRA TRAC**Tyre and air pressures**

CLAAS LEXION 560		Min bar/psi		TYP 584	516 141.0 9 600 l
					
500/60-26.5 IMP 12PR	1, 1/16	1, 4/20	2, 4/35		
600/55-26.5 IMP 12PR	0, 8/12	0, 8/12	1, 4/20		

Torque settings of the wheel bolts

Drive axle

Wheel bolts M 24 x 3 - 10.9 = 1000 Nm

Steering axle

Wheel bolts M 22 x 1.5 x 45-8.8 and spring washer
C 22.5 DIN 74361 (limes type conical spring washer)= 520 Nm

Steering drive axle

Wheel bolts M 20 x 1.5 and countersunk collar nut= 500 Nm

Total weight

Base machine without front attachment

with variable speed drive for front attachment drive
(maize picker)

with straw chopper and uni-spreader fan

with steering axle

with full fuel tank

with driver

18500 kg

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Installation

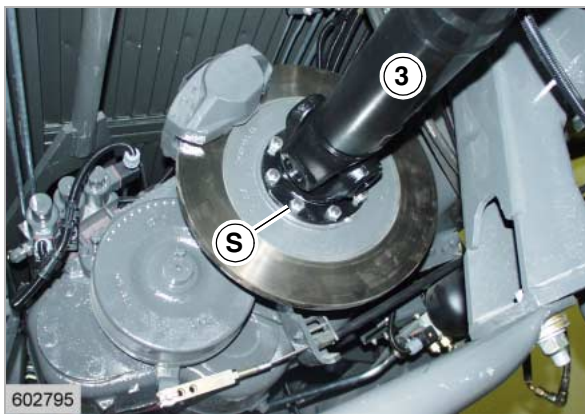


30

Place one O-ring (9) onto the lid (10) and screw it on with five hexagon head bolts (11).

Torque = 33 Nm

(Fig. 30)

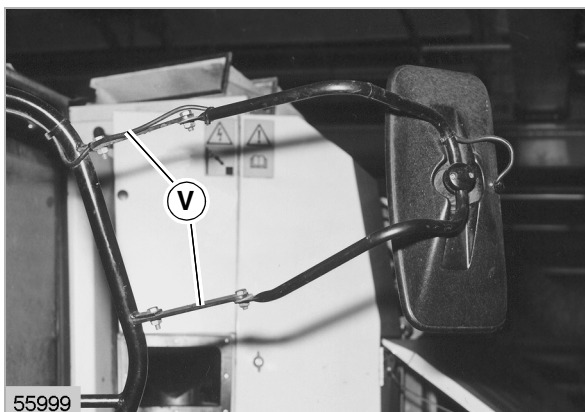


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Screw on the universal drive shaft (3) with the existing self-locking nuts (S).

Torque = 110 Nm.

(Fig. 31)

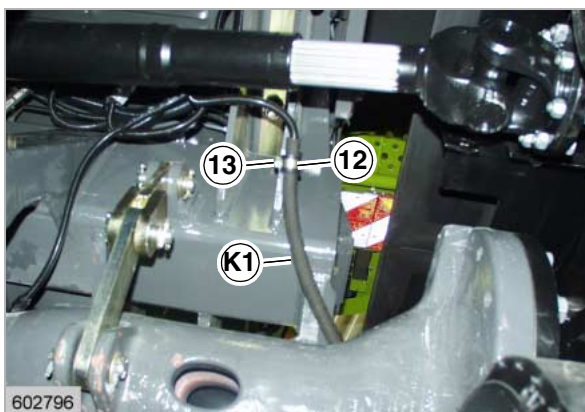


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Installing the mirror bracket extension (V).

Screw on the mirror bracket extension (V) on the left side of the machine.

(Fig. 32)



33

Installing the electrical connection to the switch console

From the right half-track, lay the cable (K1) along the drive axle.

Fasten the cable (K1) with a pipe clamp (12) and a hexagon head bolt (13).

(Fig. 33)

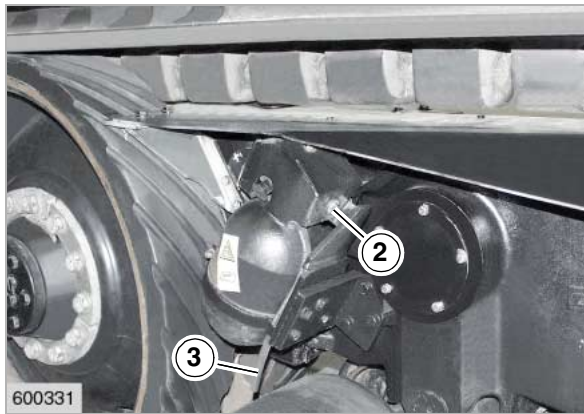
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Operation

MAINTENANCE

MaintenanceTable

Maintenance work	Maintenance intervals									
	before harvest begin	daily	after the first		every			each year = every 500 working hours	if necessary	after the harvest
			40	100	50	100	250			
			working hours		working hours					
TRAVELLING MECHANISM										
– Hubs of the front idler wheels										
– Check oil level _____										
– Oil change_____										
– Hubs of the middle wheels										
– Check oil level _____										
– Oil change_____										
GEARBOX										
– Gearbox of the drive wheels										
– Check oil level _____										
– Oil change_____										
– Gearbox										
– Check oil level _____										
– Oil change_____										



Preparing for oil change



Beachten!

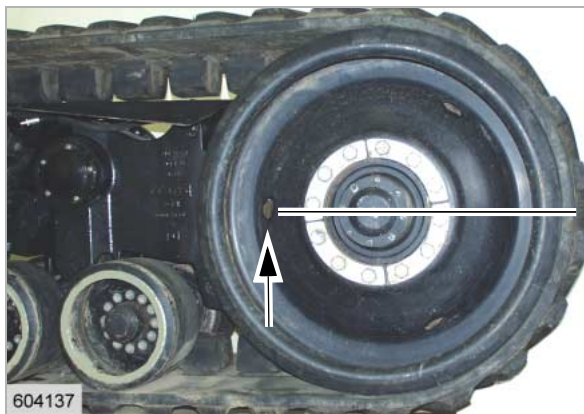
Before an oil change, release the rubber belts.

Lead the oil drain hose (3) into a suitable container. Open the breather valve (2) by about 1/4 to 1/2 turn. The tensioning cylinders release automatically and thus relieve the belts.

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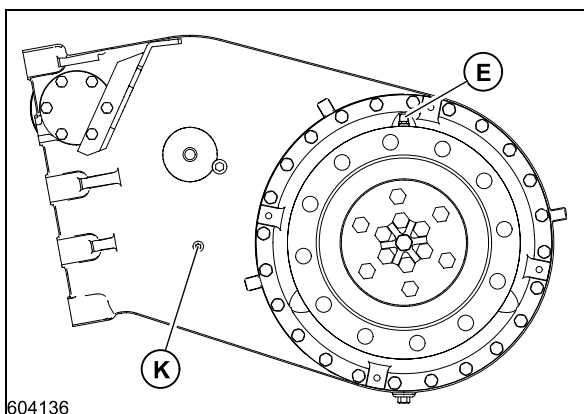
If necessary, move the machine against wheel chocks (brake chocks) or the like to further push back the tensioning cylinders. Put wheel chocks down in front of the tracks and move the machine against it until the tensioning cylinders are pushed back completely.

Another option is attaching tensioning belts between the half-track frame and the front idler wheels and using it to push back the tensioning cylinders.



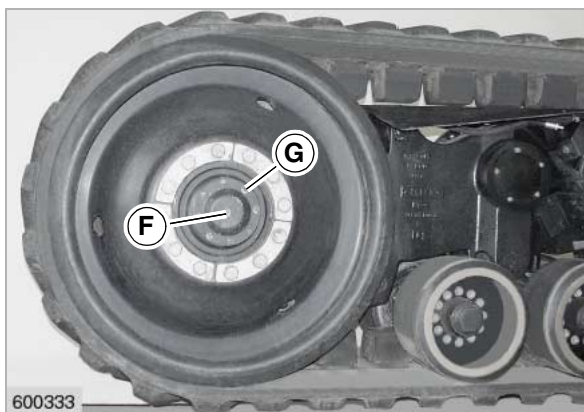
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1. For the oil change of the gearbox of the drive wheels, the outer drive wheel of the track roller unit must be removed.
2. To check the oil level, the hole in the rim must be positioned correctly. The hole must be on the imagined horizontal hub centre. Then unscrew the oil level check plug (K). If necessary, fill up oil through the oil filler plug (E) until it flows out of the tapped hole for the oil level check plug.
3. To change the oil of the hubs of the front idler wheels, unscrew the screws (G) and remove the lid. Let oil drain into a suitable container. Screw the lid back on with new seal. Unscrew the oil level check plug (F) and fill up oil until it flows out of the tapped hole. Screw on the oil level check plug (F).
4. Check the oil level in the same operational sequence for screw (F).

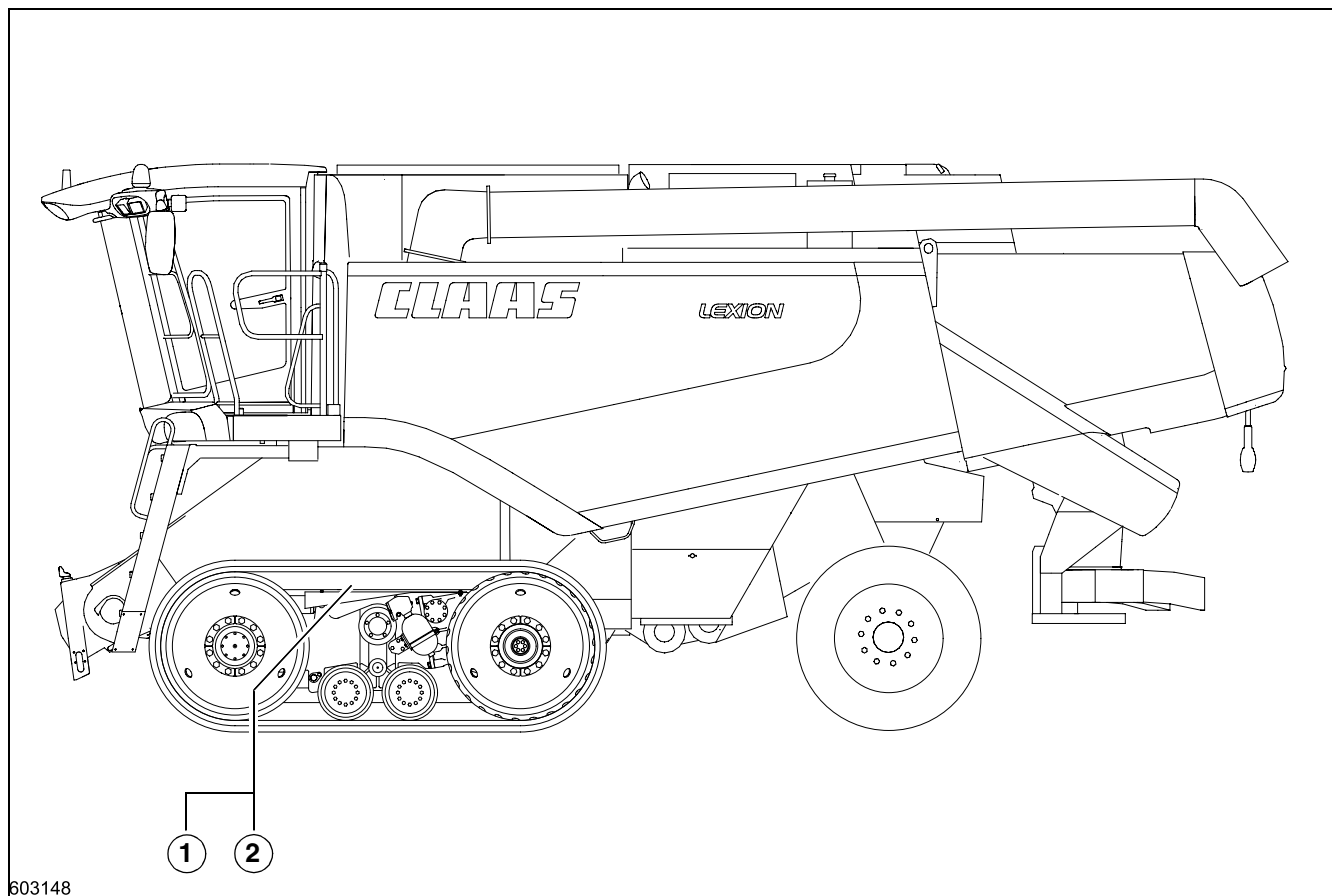


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(Fig. 17–20)



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h $\times$ 100

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