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PREVIEW - YOUFIXTHIS



THIS WARNING SYMBOL POINTS TO IMPORTANT SAFETY NOTES IN THIS MANUAL. WHEN THIS SYMBOL APPEARS, THE SUBSEQUENT NOTES ARE TO BE READ THROUGH CAREFULLY IN ORDER TO MAKE YOU AWARE OF POSSIBLE DANGER OF INJURY, EVEN RESULTING IN DEATH. M171B

The safety labels on this machine use the words **danger, warning or caution**. These terms are defined as follows:

- **DANGER:** This indicates an immediate hazardous situation that, if not avoided, will result in death or serious injury. The colour associated with Danger is RED.

- **WARNING:** This indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. The colour associated with Warning is ORANGE.

- **CAUTION:** This indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The colour associated with Caution is YELLOW.



WARNING

OPERATING THIS MACHINE INCORRECTLY CAN LEAD TO INJURY OR DEATH. MAKE SURE THAT EACH DRIVER HAS MET THE FOLLOWING REQUIREMENTS BEFORE USING THIS MACHINE:

- He must have been instructed in the safe, correct use of the machine.
- He must have read and understood the manual (manuals) referring to the machine.
- He must have read and understood ALL safety labels on the machine.
- He has turned away all persons from the working area.
- He must have studied and practised the safe usage of the machines control elements in a safe and open training field before using this machine in the working environment.

It is your responsibility to pay attention to the relevant laws and guidelines and the notes of CNH Österreich GmbH regarding working with and servicing this machine.

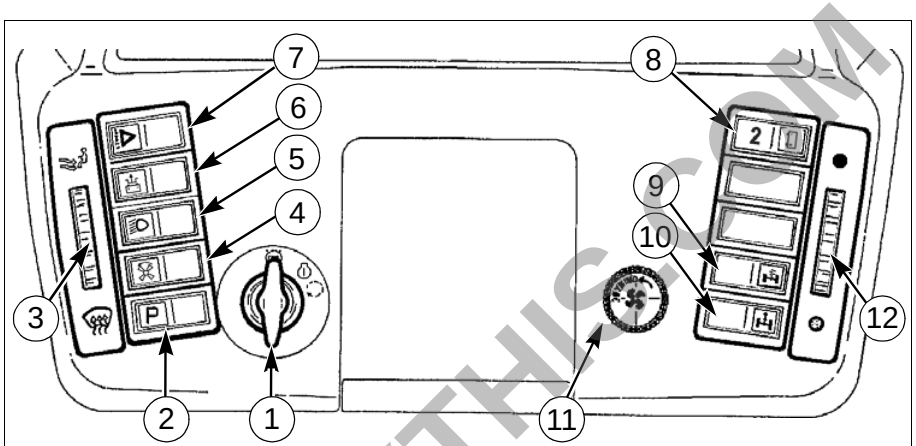
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Sva 6-37143 EN
January 2006

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OPERATING CONTROLS

Instrument panel



SS04B011

1. IGNITION SWITCH – The ignition switch has the following positions:

   OFF position – The ignition key is vertical. Everything is switched OFF and the ignition key can be removed. The parking light and hazard warning lights can be switched ON without the key. If the parking light is switched on, an acoustic warning signal sounds for a few seconds to draw the driver's attention to the light being on.

   ON position – Turn in a clockwise direction from the OFF position. The indicator lamps for oil pressure, battery charge, applied parking brake and 4-wheel light up on the instrument panel. In addition, the combination instrument indicates the correct values.

   START position – Turn further in a clockwise direction from the ON position. Turn the ignition key to the START position. As soon as the engine starts, release the key. It automatically returns to the ON position.
   Stop the engine by turning the ignition key from the ON position to the OFF position.

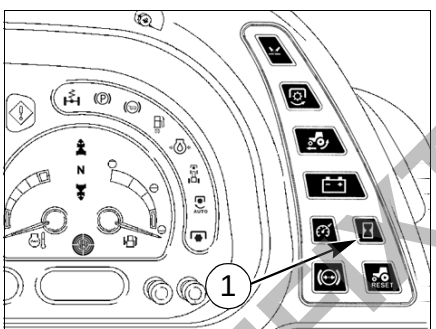
2. PARKING INTERLOCK KEY (see page 77)
3. ADJUSTMENT WHEEL FOR HEATING AIR DISRIBUTION (FOOT/ SCREEN) (see page 92)

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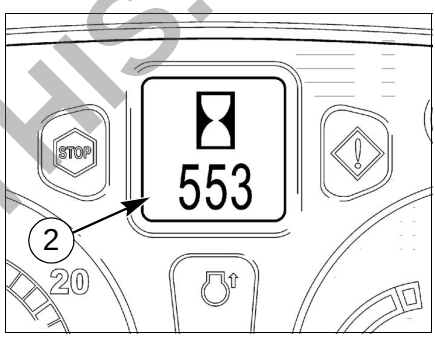
OPERATING HOURS COUNTER

Service the machines according to the maintenance intervals in the lubrication/ maintenance plans and to the instructions on the following pages. Only use quality lubricants for vehicle maintenance.

> **WARNING:** *Read through the instructions in this section carefully before carrying out maintenance work. There is a risk of injury and death if maintenance work is not carried out correctly or if the following instructions are not observed. If you do not understand the instructions for any kind of maintenance, please consult your dealer.*



SS03B025



SS03B024

The engine operating hours can be called up as follows:

– Turn ignition switch to the ON position
– Press function key (1)
– Read off operating hours on DMD display (2)

To carry out maintenance work at the correct time intervals, observe the engine operating hours counter in conjunction with the lubrication/maintenance plans.

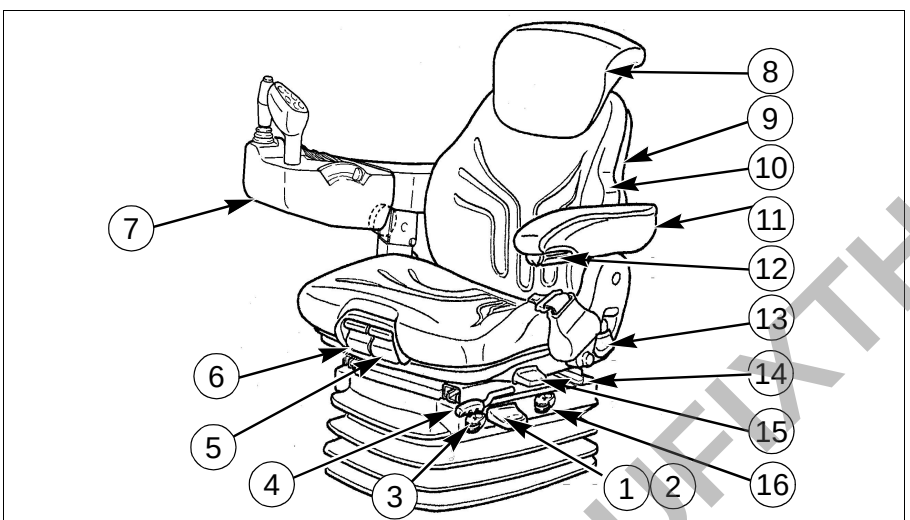
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DRIVER'S SEAT

WARNING: *Do not adjust the seat while driving. Otherwise you may lose control of the tractor and be injured.* M536

IMPORTANT: *In order to avoid health hazards, the individual driver-weight setting should be checked and possibly re-adjusted before starting the vehicle!*

Rotating comfort seat with pneumatic suspension



SS99G065

1. WEIGHT ADJUSTMENT
2. HEIGHT ADJUSTMENT
3. HORIZONTAL SUSPENSION
4. FORE AND AFT ADJUSTMENT
5. SEAT TILT ADJUSTMENT
6. SEATDEPTH ADJUSTMENT
7. Right-hand ARMREST
8. BACKREST EXTENSION
9. LUMBAR SUPPORT
10. SEAT HEATING
11. Left-hand ARMREST
12. ARMREST TILT
13. BACKREST TILT
14. LATERAL HORIZONTAL SUSPENSION
15. ROTATING FACILITY
16. DAMPING OF BUMPS

Items 10 and 15 are only available on the luxury version. In addition, the luxury version is equipped with an activated carbon filter in the padding area and an imitation leather bag on the backrest.

With the Case driver's seat, you are in the position to adjust the seat as desired.

CARE – Dirt can impair the function of the seat. You must therefore keep your seat clean! Wetting the upholstery should be avoided when cleaning the upholstered areas.

The seat is adjusted as follows:

PREVIEW - YOU FIX THIS

Graphic symbols –

Warning – (stop the tractor and locate the cause)

1. Coolant temperature too high, warning lamp lights up and critical alarm sounds



2. Reservoir pressure for trailer brake system too low – graphic symbol appears on DMD display, red warning lamp lights up and red trailer brake symbol is displayed



3. Engine oil pressure too low – red warning lamp lights up and critical alarm sounds



Information

1. LC display (LCD)/dot matrix display (DMD) brightness setting



2. Speed display and PTO shaft operation – dot matrix symbols



Maintenance

1. Engine air filter blocked



2. Brake fluid level low – in conjunction with red warning lamp



3. Engine coolant level low – in conjunction with yellow warning lamp



4. Fuel contamination caused by water – in conjunction with yellow warning lamp



5. Hydraulic air filter blocked – in conjunction with orange warning lamp

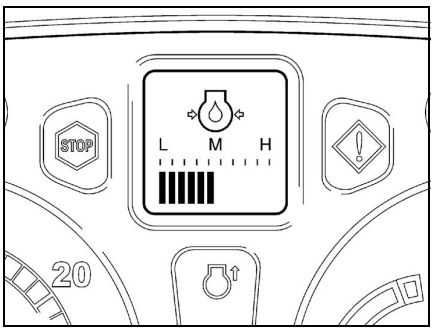


6. Fuel filter blocked – in conjunction with orange warning lamp



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DMD displays



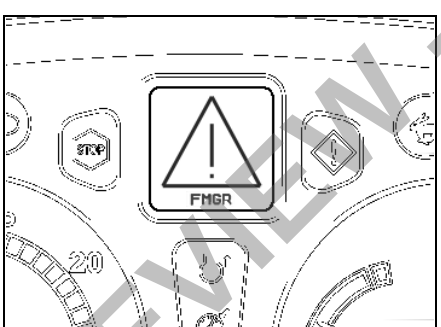
SS02K039

Information about operation of the tractor and a number of settings can be read off on the dot matrix display (DMD). Use the function keys to select a function. A symbol appears confirming the selected function.

NOTE: *For explanation of warning and information symbols, see page 28.*

If a fault occurs in the instrument panel or in the tractor's system circuits, a warning symbol is displayed together with the electronics (FMGR, SGR, etc.) that identified the fault. Please consult your authorised dealer.

Fault codes



SS03A016

The modern electronics in your tractor can detect a malfunction or a fault in critical areas such as the engine, gearbox, electrics and hydraulics. If a malfunction or a fault occurs, a symbol and the name of the corresponding electronic unit appear on the dot matrix display. Depending on the seriousness of the fault, this can be in conjunction with a warning lamp lighting up and an acoustic alarm signal. Please consult your authorised dealer.

Active and non-active warnings

In addition to the aforementioned fault codes, various warning symbols appear on the dot matrix display. These symbols appear together with a red (critical) or orange (uncritical) warning lamp.

NOTE: *All faults are displayed until they have been remedied.*

PREVIEW - YOUFIX THIS

TYRES/WHEELS/TRACK WIDTH/BALLAST

Tyre pressures and load carrying capacity per tyre, in accordance with ETRTO

IMPORTANT: *DO NOT EXCEED THE MAXIMUM PERMISSIBLE AXLE LOAD, see page 251.*

Front wheel tyres

TYRE SIZES	LOAD INDEX	MAXIMUM LOAD CAPACITY per tyre in kg	AIR PRESSURE bar	km/h
16,9 R26	135 A8	2180	1.6	40
16,9 R26	132 B	2000	1.6	50
480/70 R26	139 A8	2430	1.6	40
480/70 R26	136 B	2240	1.6	50
540/65 R26	136 A8	2240	1.2	40
540/65 R26	133 B	2060	1.2	50
16,9 R28	136 A8	2240	1.6	40
16,9 R28	133 B	2060	1.6	50
480/70 R28	140 A8	2500	1.6	40
480/70 R28	137 B	2300	1.6	50
540/65 R28	137 A8	2300	1.6	40
540/65 R28	134 B	2125	1.2	50
480/70 R30	141 A8	2580	1.6	40
480/70 R30	138 B	2360	1.6	50
540/65 R30	143 A8	2730	1.6	40
540/65 R30	140 B	2500	1.6	50
600/65 R28	147A8	3080	1.6	40
600/65 R28	144 B	2806	1.6	50
600/60 R28	146 A8	3000	1,0	40
600/60 R28	146 D	3000	1,0	50
600/60 R30	147A8	3075	1,0	40
600/60 R30	147 D	3075	1,0	50

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ENGINE

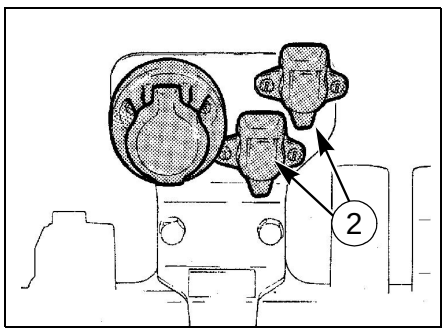
General information

6-cylinder four-stroke diesel engine with direct injection and exhaust turbo-charger with charge-air cooling					
					Common rail
Type	**CVX 1135**	**CVX 1145**	**CVX 1155**	**CVX 1170**	**CVX 1195**
Designation	WD 620.95	WD 620.96	WD 620.97	WD 620.98	WD 620.64
Ignition sequence	1-5-3-6-2-4				
Bore diameter	108 mm				
Stroke	120 mm				
Engine capacity	6595 cm^3				
Compression ratio	18.5:1				
Nominal engine speed	2100 rpm				
Idling speed	925 ±25 rpm				
Rated engine power ISO 14396	101 kW (137 HP)	108 kW (147 HP)	115 kW (156 HP)	126 kW (171 HP)	141 kW (192 HP)
At nominal engine speed	2100 rpm				
Maximum engine power					
ISO 14396	102 kW (139 HP)	109 kW (148 HP)	117 kW (159 HP)	128 kW (174 HP)	142 kW (193 HP)
At engine speed	1900 rpm				
Maximum engine power					
Power boost ISO 14396	116 kW (158 PS)	123 kW (167 PS)	131 kW (178 PS)	142 kW (193 PS)	159 kW (216 PS)
At engine speed	1900 rpm				
Maximum torque					
ISO 14396	570 Nm (58.1 kpm)	610 Nm (62.2 kpm)	660 Nm (67.3 kpm)	725 Nm (73.9 kpm)	790 Nm (80.5 kpm)
At engine speed	1400 rpm				1500 rpm
Maximum torque					
Power boost ISO 14396	645 Nm (65,7 kpm)	690 Nm (70,3 kpm)	735 Nm (74,9 kpm)	800 Nm (81,5 kpm)	847 Nm (86,3 kpm)
At engine speed	1400 rpm				1500 rpm
Valve clearance, cold					
(Exhaust)	0.35 mm				
(Intake)	0.35 mm				

IMPORTANT: *Adjustment of valve play must be carried out with the engine stopped.*

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Three pole power socket (if fitted)

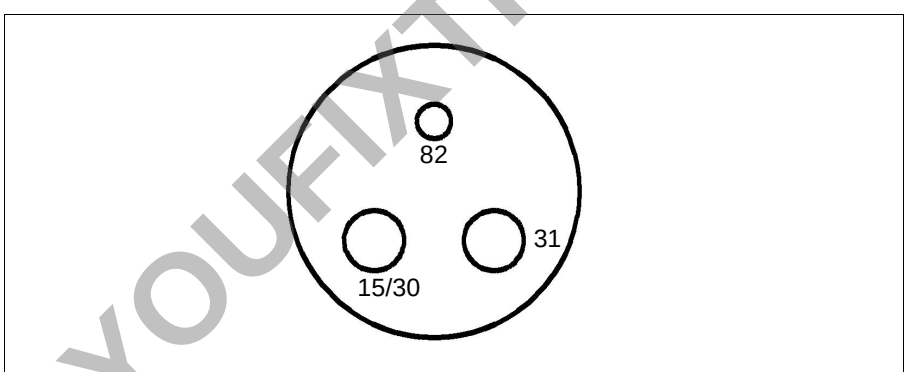


SS03A055

The power socket (2) 40A (DIN 9680) serves as a power supply for trailers or attached implements with controls.

The socket has a ground terminal (31) and two 12 volt positive terminals. One positive terminal is switched on by the ignition (82) and the other delivers a constant current (15/30).

Arrangement of the connection terminals and fuse protection



DI96J455

15/30 ..... Continuous positive 12 V . fuse F22 ..... 40 Amps
82 ..... Switched positive 12 V .... fuse F20 ..... 10 Ampere
..... (ignition key ON)
31 ..... Ground

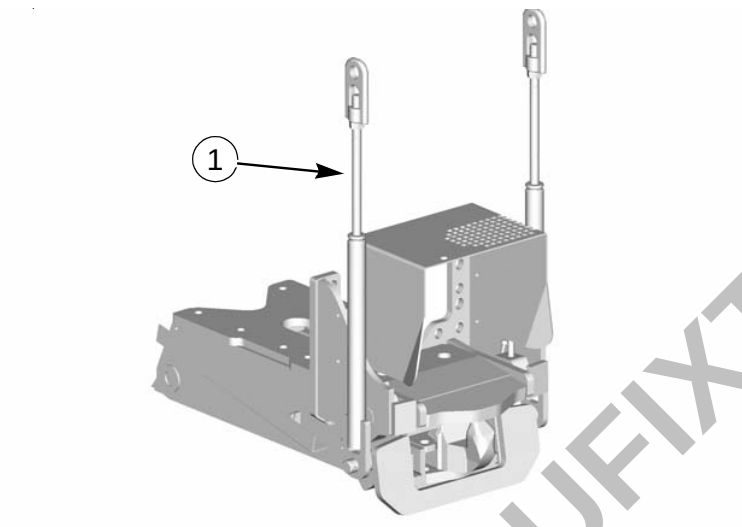
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AUTO PICK UP HITCH WITH HOOK hydraulically extendable (if fitted)

There are two versions.

1. Adjustable tow-bar and Auto hitch

2. A combination of Auto Hitch/Height Adjustable Tow-bar



SS00E062

The Auto hitch is connected to the lifting rods (1) by the lifting arms of the three point linkage.

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