6 - WORKING OPERATIONS

GENERAL INFORMATION

Variable engine power management

Power management

Power Management (PM) is an electronically controlled engine power boost function which increases power levels where high loads may compromise tractor performance.

When the criteria for PM activation are met, the PM light **(1)** in the instrument cluster will illuminate. As the power requirement reduces and PM is deactivated, the light will extinguish.

PM boost levels are variable depending on engine load, drive line torque and tractor speed. Dependent on tractor model, the available power increase is between **1 kW** (**1.4 Hp**) and **24 kW** (**32.6 Hp**) and will vary as the load on the engine changes.

PM is a totally automated function requiring no input from the operator. PM can be activated during PTO operations, road transport applications and when operating with powered hydraulic equipment.

PM can be activated for both, forward and reverse drive direction.

NOTE: *PM will be disabled if the engine coolant temperature exceeds **105 °C** (**221 °F**). In this situation either increase the engine speed or reduce the load on the engine until the coolant temperature is reduced.*

PTO operations

Power Management will only function when the following criteria are met:

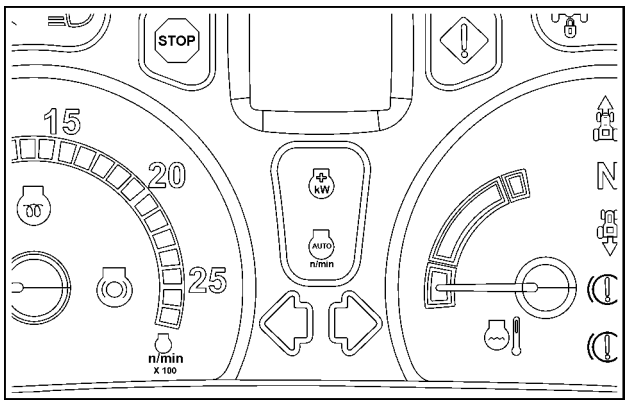
PTO fully engaged.
Tractor forward speed above **0.5 km/h** (**0.3 mph**).
PTO drive line output torque is above **112 Nm** at the engine shaft.
Engine coolant temperature below **105 °C** (**221 °F**)

NOTE: *Power Management will operate at all PTO speeds.*

Engaging the rear PTO while the tractor is moving will put PM into standby.

As the torque and load on the PTO reaches or exceeds the above levels, the indicator light **(1)** will illuminate and Power Management will be activated.

As the load on the engine is reduced, boost levels will gradually decrease until engine power levels are within normal limits.



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3 - CONTROLS AND INSTRUMENTS

ACCESS TO OPERATOR'S PLATFORM

Introduction

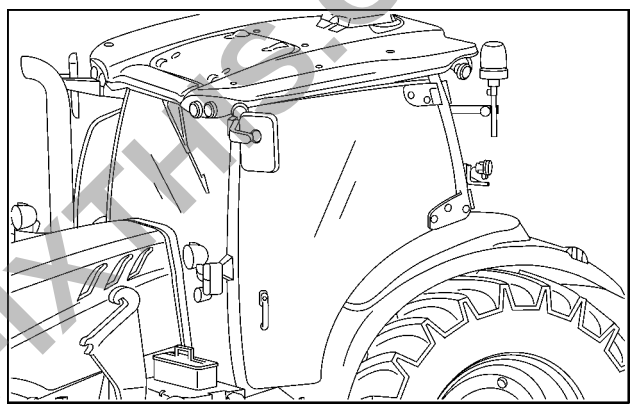
⚠ WARNING

Fall hazard!
Jumping on or off the machine could cause an injury. Always face the machine, use the handrails and steps, and get on or off slowly. Maintain a three-point contact to avoid falling: both hands on the handrails and one foot on the step, or one hand on the handrail and both feet on the steps. Failure to comply could result in death or serious injury.

W0141A

The cab has been designed for operator protection, comfort and convenience. Inside, the frame, roof, and floor are insulated to reduce noise to a minimum.

A wide opening door on the left-hand side permits entry to the cab aided by convenient grab handles and footsteps with anti-slip treads. The door and rear window are fitted with gas struts to hold them in the fully open position. Additionally, the rear window may be retained in the partially open position for increased ventilation during operation.



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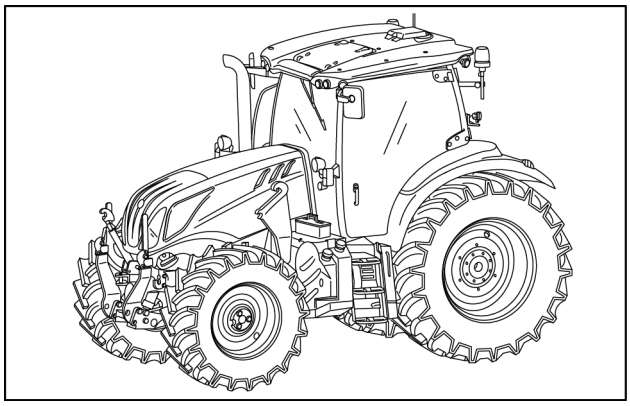
The cab features include a fresh air heater/defroster with recirculation, air conditioning, sun visor, tinted glass, interior light, auxiliary power socket, storage facilities, interior/exterior rear view mirrors and a choice of comfortable seats.

Options include automatic climate control, high visibility roof panel, radio, rear windscreen wash/wipe and electrically operated external rear view mirrors.

Entering and exiting the cab

Wherever possible, the cab should be entered from the left side. The right-hand door should only be used in emergencies to exit the cab.

To enter the cab, face the door, then open it. Place one foot on the lowest step plate and, using the grab handles on the 'A' post and inside the door, climb the steps and enter the cab.



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7 - MAINTENANCE

GENERAL INFORMATION

Introduction

This section gives full details of the service procedures necessary to maintain your tractor at peak efficiency.

Safety precautions

⚠ WARNING

Moving parts!
Disengage the Power Take-Off (PTO), turn off the engine, and remove the key. Wait for all movement to stop before leaving the operator's position. Never adjust, lubricate, clean, or unplug machine with the engine running. Failure to comply could result in death or serious injury.

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Read and observe all safety precautions listed in 'Servicing the tractor' and 'Prevention of fire or explosion' in the General information and Safety section of this Manual.

NOTE: *Dispose of used filters and fluids properly.*

Preventing system contamination

To prevent contamination when changing oils, filters, etc., always clean the area around filler caps, level and drain plugs, dipsticks and filters prior to removal. Before connecting remote cylinders, ensure that the oil contained within them is clean, has not degenerated due to long storage and is of the correct grade.

To prevent dirt entry during greasing, wipe dirt from the grease fittings before greasing. Wipe excess grease from the fitting after greasing.

Warning Symbols

A number of maintenance items are represented by symbols that may appear in the display screens. For more information on these symbols, see **3-112** .

During the first 50 hours operation

In addition to the regular maintenance operations listed, check the following items every 10 hours or daily during the first 50 hours of operation:

- Check the oil level of the transmission, rear axle and hydraulics
- Check the wheel nuts for tightness
- Check the oil level of the front axle hub

NOTICE: *Park the tractor on level ground and, where applicable, extend all cylinders before checking oil levels. With some wheel equipment fitted, it may be necessary to raise the front or rear of the tractor to ensure that the machine is level before checking the oil.*

Flexibility of maintenance intervals

The intervals listed in the maintenance chart are guidelines to be used when operating in normal working conditions.

Adjust the intervals for environmental and working conditions. Intervals should be shortened under adverse (wet, muddy, sandy, extremely dusty) working conditions.

Maintenance chart

NOTE: *For each service interval on the maintenance chart, you are also required to perform all prior service intervals that apply. For example, the 1200–hour or annual service will need the 50–hour, 100–hour, 300–hour and 600–hour individual maintenance actions, in addition to the 1200 hour actions.*

The maintenance chart (**7-13**) lists the intervals when routine checks, lubrication, service and/or adjustments should be performed. Use the chart as a quick reference guide when servicing the tractor. The operations follow the chart.

Fuel injector maintenance

The fuel injectors on your tractor are electronically controlled and therefore do not require periodic servicing or adjustment.

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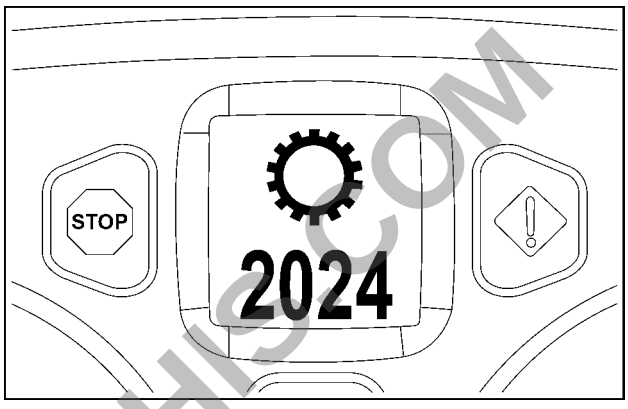
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8 - TROUBLESHOOTING

FAULT CODE RESOLUTION

Introduction

The following information is intended as a guide to assist in identifying and correcting possible tractor malfunctions and fault conditions.



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Fault codes

Your tractor makes extensive use of electronics to control and monitor major components within the drive line, electrical and hydraulic systems. In the unlikely event of a fault occurring in one of these areas, the malfunction will be identified with a symbol and a four or five digit fault code in the Dot Matrix Display on the instrument panel. The first digit(s) of each number provide the general location of the fault and the subsequent numbers confirm the exact nature of the fault.

The code indicates the faulty circuit or sensor and the type of fault, e.g., open circuit, short circuit, etc. Each fault code will be supported by the relevant symbol displayed above the number.

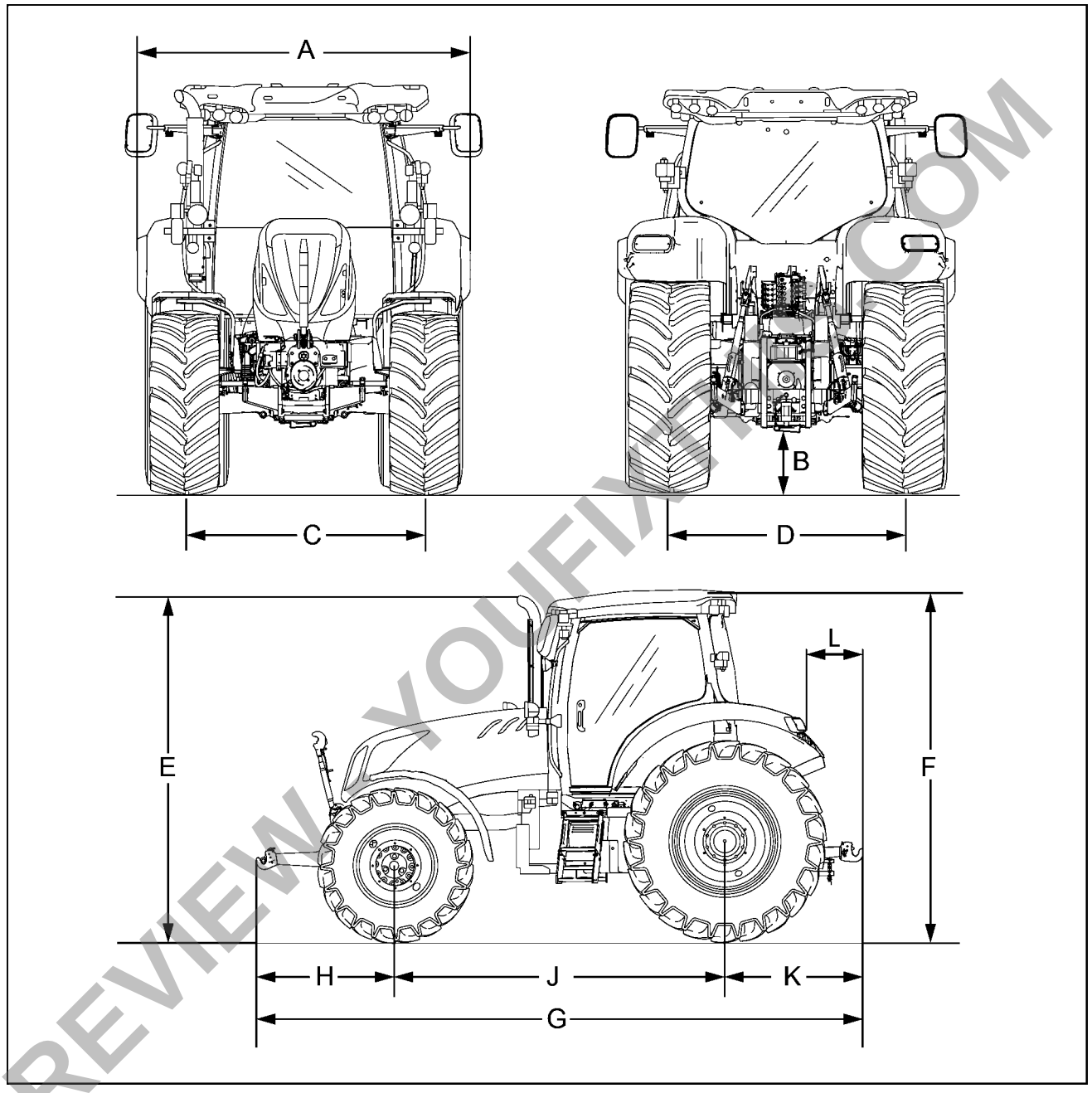
If a fault code will be displayed in the instrument panel and you are unable to rectify the fault yourself, contact your authorized dealer and report the fault code displayed.

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9 - SPECIFICATIONS

General dimensions



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NOTE: *The following dimensions are based on standard tractors fitted with tire size as shown. Allowance must be made for tires of larger or smaller dimensions:*

		4WD (standard and suspension axles)
The following dimensions are based on tractors with tire sizes:	Front	540/ 65R28
	Rear	650/ 65R38
A. Width across rear fenders		
Narrow fenders		**2164 mm** (**85.2 in**)
Wide fenders		**2338 mm** (**92.0 in**)
Wide fenders extensions		**2470 mm** (**97.2 in**)

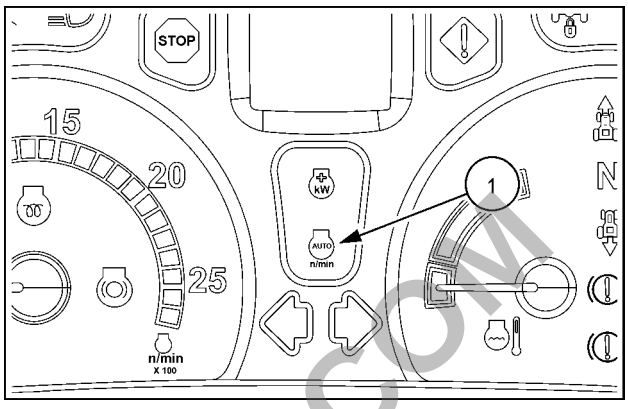
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Constant engine speed

With Engine Speed Management (ESM), the operator may preset one or two fixed engine speeds appropriate to the work in hand. ESM will maintain a fixed engine speed, it cannot be used to provide a constant ground speed (cruise control).

With ESM activated the indicator light **(1)** on the Instrument cluster, will illuminate when the system is in operation.

When activated, ESM constantly monitors engine load and speed for any change. If engine load increases and the r.p.m. starts to drop, ESM will electronically adjust the engine speed control unit to compensate, thereby maintaining a constant engine r.p.m.



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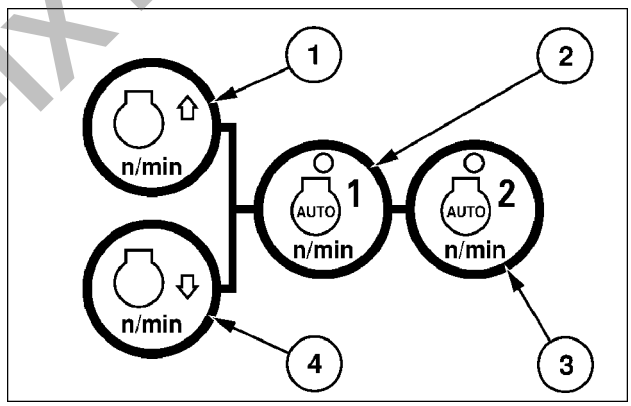
Setting Engine Speed Management

ESM can be programmed in two ways, either by using the four switches on the Integrated Control Panel (ICP) or through the color display.

Setting with Integrated Control Panel (ICP)

Four switches control the ESM function.

1. Increase engine speed.
2. Store/activate programme 1.
3. Store/activate programme 2.
4. Decrease engine speed.



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To create ESM programme 1, start the engine and set the r.p.m. to the desired level using the engine speed control or drive pedal . Depress/hold switch **(2)** for **2 s** and the light in the switch will begin to flash. This indicates the current engine speed is being stored.

After **2 s** the light will stop flashing and will remain on. ESM is now active and operating at the current engine speed.

NOTE: *If the ESM programme key is released whilst the light is flashing, Engine Speed Management will reset to the default speed of* ***850 RPM*** *or the previously programmed engine speed. Depress the ESM programme switch again to restart the procedure.*

To store a second ESM programme, repeat the above process using switch **(3)** if required.

A programme can be deactivated at any time by depressing the appropriate programme switch.

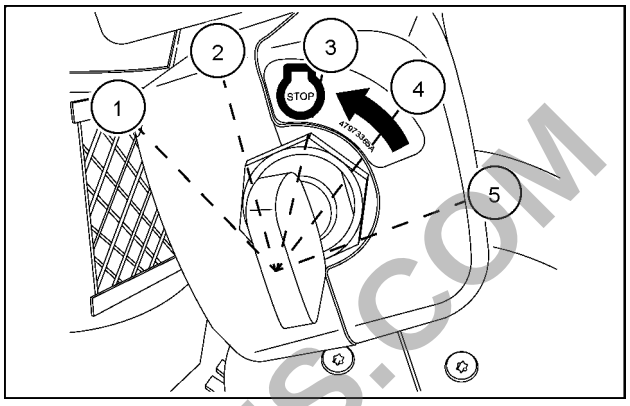
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FORWARD CONTROLS

Ignition key

The key- start switch is a five- position switch and activates the grid heater cold start device, accessories and the starting motor.



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The key- start switch positions are as follows:

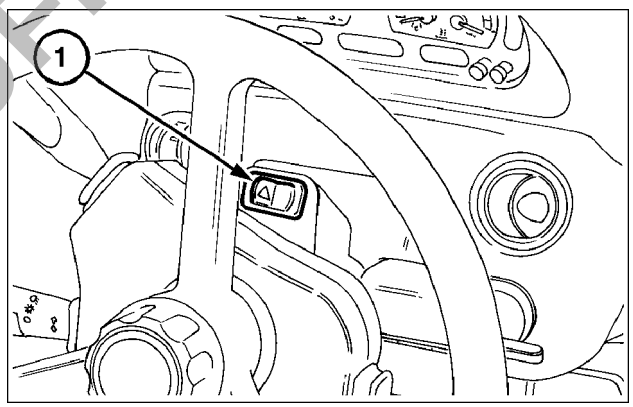
Position 1	Not used
Position 2	OFF
Position 3	Accessories ON
Position 4	Warning lights, instruments and Grid Heater ON
Position 5	Grid heater ON, Starter motor engaged

NOTICE: *Never push or tow the tractor to start the engine. Use an auxiliary battery and jump leads.*

NOTE: *Neutral start switches prevent operation of the starting motor unless the shuttle lever is in the neutral* ***(N)*** *position.*

Hazard light switch

Press the left- hand side of the switch **(1)** to operate all the turn signals simultaneously. The switch will flash with the turn signals and also the indicator lights in the instrument cluster.



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MAINTENANCE CHART

Maintenance chart

Maintenance action	Replace	Drain fluid	Check	Cleaning	Grease	Charging	Bleed	Change fluid	Adjust	Page no.
WHEN THE WARNING LAMP LIGHTS										
Change the engine air cleaner outer element	x									7-15
Drain the fuel system water separator		x								7-16
Check the brake fluid level			x							7-17
EVERY 10 HOURS OR EACH DAY										
Check the engine coolant level			x							7-18
Checking the engine oil level			x							7-19
Check the remote control valve drain bottles			x							7-20
Check windscreen washer reservoir			x							7-21
Drain air reservoir on air operated trailer brake		x								7-22
FIRST 50 HOURS										
Service operations			x							7-23
EVERY 50 HOURS										
Clean the cab air filter				x						7-24
Clean the SCR cover air ducts				x						7-25
Clean the cooler section				x						7-26
Grease all fittings					x					7-27
Check the front and the rear wheel nuts			x							7-34
Check the tire pressures and the tire condition			x							7-34
EVERY 100 HOURS										
Inspect the poly V-belt			x							7-35
Inspect the compressor drive belt			x							7-35
EVERY 300 HOURS										
Check the battery fluid level			x							7-37
Adjust the hand brake					x					7-39
Check the transmission oil level, the rear axle oil level and the hydraulic oil level			x							7-40
Check the 4WD front axle differential oil level and the hubs oil level			x							7-41
Check the front PTO gearbox oil level			x							7-42
EVERY 600 HOURS										
Change engine oil and filter	x									7-43
Change the first stage fuel filter and the fuel filter element	x									7-45
Change the engine air cleaner outer element	x									7-47
Change the hydraulic charge pump oil filter and the transmission oil filter	x									7-48
Check the engine air intake connections			x							7-49
Check the transmission oil cooler pipe couplings			x							7-50
Clean the DEF/AdBlue in-line filter				x						7-51
EVERY 1200 HOURS OR ANNUALLY										
Change the cab air filters	x									7-52
Change the hydraulic suction pump oil filter	x									7-53
Change the 4WD differential oil							x			7-54
Change the 4WD planetary hub oil							x			7-55
Change the front PTO gearbox oil							x			7-56
Grease the rear axle shaft bearing					x					7-57

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SYMPTOM(S)

Engine

Problem	Possible Cause	Correction
Engine will not start or is difficult to start	Incorrect starting procedure.	Review starting procedure.
	Low or no fuel.	Check fuel level.
	Air in fuel lines.	Bleed fuel system.
	Low ambient temperature.	Use cold starting aid.
	Contaminated fuel system.	Clean and bleed fuel system.
	Clogged fuel filter(s).	Replace fuel filter element(s)
	Malfunctioning fuel pump or injectors.	See your authorised dealer.
	Malfunctioning fuel solenoid or solenoid relay.	See your authorised dealer.
	Incorrect engine oil viscosity.	Use correct viscosity oil.
	Incorrect fuel for operating temperature.	Use correct type fuel for temperature conditions.
	Slow starter speed.	See slow starter speed in Electrical.
Engine runs roughly and/ or stalls	Clogged fuel filter(s)	Replace fuel filter element(s).
	Contaminated fuel system.	Clean and bleed fuel system.
	Fuel solenoid incorrectly adjusted.	See your authorised dealer.
	Fuel cap vent blocked.	Wash cap in clean fuel oil.
Engine lacks power	Engine overloaded.	Reduce draft load or ballast carried.
	Air cleaner restricted.	Service air cleaner.
	Low engine operating temperature.	Check thermostats.
	Engine overheats.	See ‘engine overheats’.
	Clogged fuel filter(s).	Replace fuel filter element(s).
	Incorrect fuel.	Use correct type fuel.
	Malfunctioning fuel injectors.	See your authorized dealer.
	Malfunctioning fuel injection pump.	See your authorized dealer.
	Leaking air intake boost pipes or exhaust manifold.	Check and rectify or see your authorized dealer.
	Turbocharger malfunctioning.	See your authorized dealer.
	Implement incorrectly adjusted.	See implement operator's manual.
Engine knocks	Fuel injection pump timing.	See your authorised dealer.
	Low engine oil level.	Add oil, as required.
	Low engine oil pressure.	See your authorised dealer.
	Low engine operating temperature.	Check thermostats.
	Engine overheats.	See Engine overheats.
Engine overheats.	Low engine oil level.	Add oil, as required.
	Low engine coolant level.	Fill coolant recovery tank. Check cooling system for leaks.
	Defective thermostat(s).	Check thermostat(s).
	Dirty/blocked radiator core.	Clean.
	Excessive engine overload.	Reduce draft load or ballast carried.
	Faulty radiator pressure cap.	Replace cap.
	Cooling system blocked.	Flush cooling system.
	Loose or worn fan belt.	Check tension, adjust or replace belt if worn.
	Leaking hose or connection.	Tighten connection and/or replace hose.
	Malfunctioning temperature gauge or sender.	See your authorized dealer.
Low engine operating temperature	Malfunctioning thermostat(s).	Replace thermostat(s).
	Vistronic fan locked up.	See your authorised dealer.
Low engine oil pressure	Low oil level.	Add oil, as required.
	Wrong oil grade or viscosity.	Drain and refill with oil of the correct specification.

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Engine

	T7.175 **Auto Command™**	T7.190 **Auto Command™**	T7.210 **Auto Command™**	T7.225 **Auto Command™**
Engine power (unboosted) at rated speed, (ECE R120)	**102.9 kW** (**139.9 Hp**)	**110.3 kW** (**150.0 Hp**)	**121.3 kW** (**164.9 Hp**)	**132.4 kW** (**180.0 Hp**)
Engine power (boosted) at rated speed, (ECE R120)	**117.6 kW** (**159.9 Hp**)	**128.7 kW** (**175.0 Hp**)	**139.7 kW** (**189.9 Hp**)	**191.2 kW** (**260.0 Hp**)

Number of cylinders	6 cylinders
Valves per cylinder	4 valves
Aspiration	Turbocharged and intercooled
Bore	**104 mm** (**4.1 in**)
Stroke	**132 mm** (**5.2 in**)
Displacement	**6728 cm³** (**411 in³**)
Compression ratio	All Models, 17.5 : 1
Firing order	1.5.3.6.2.4
Rated engine speed	All Models, **2200 RPM**
Low Idle Speed	All Models, **850 RPM**
High Idle Speed	All Models, **2350 RPM**
Valve tappet clearance (cold) - Intake - Exhaust	 **0.25 mm** (**0.010 in**) **0.51 mm** (**0.020 in**)

Fuel system

Type	Electronically controlled, high pressure common rail
Fuel injection pump	Bosch CR-CP3 SL
Diesel fuel	EN590 standards The usage of diesel fuel with sulfur content > **10 mg/kg** is not recommended.
Biodiesel fuel	Approved for **7%** biodiesel fuels conforming to EN590 or EN14214 standards
DEF/ AdBlue®	DEF/ AdBlue® to standard ISO22241

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Contents

1 GENERAL INFORMATION

Metric and imperial units abbreviations ... 1-1
To the owner ... 1-3
Electro-magnetic interference (EMC) ... 1-5
Product identification ... 1-6
Engine identification ... 1-7
Drive line identification ... 1-8
Cab identification ... 1-8
Product identification plate ... 1-8
Ecology and the environment ... 1-9
Noise level information sheet ... 1-10
Programming tractor functions ... 1-10
Operator's manual storage ... 1-11
Before operating the tractor ... 1-11
International symbols ... 1-12
Vibration level information sheet ... 1-13
Machine stability ... 1-14
Selective Catalytic Reduction (SCR) system ... 1-18

2 SAFETY INFORMATION

Safety precautions ... 2-1
Safety decals ... 2-3
Safety rules ... 2-12
Burn prevention ... 2-19
Prevention of fire or explosions ... 2-20
Fire extinguisher ... 2-21
Protection offered by the tractor ... 2-22
Ecology and the environment ... 2-25
Hazardous substances ... 2-26
Emergency exit ... 2-27
Wheel chocks ... 2-28
Intended use statement ... 2-29
Passenger's seat ... 2-31
Safety aspects in accordance with Regulation (EU) 1322/2014 - Annex XXII and subsequent amendments and modifications ... 2-32

3 CONTROLS AND INSTRUMENTS

ACCESS TO OPERATOR'S PLATFORM

Introduction ... 3-1
Cab air filters ... 3-5
In cab storage (where fitted) ... 3-6
Cable and wiring routing ... 3-7
Mobile telephone usage ... 3-7
Implement monitor installation ... 3-8

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2 - SAFETY INFORMATION

Safety precautions

A careful operator is the best operator. Most accidents can be avoided by observing certain precautions. To help prevent accidents, read and take the following precautions before driving, operating or servicing the machine. Equipment should be operated only by those who are responsible and instructed to do so.

Personal safety



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible death or injury.

Throughout this manual , you will find the signal words DANGER, WARNING, and CAUTION followed by special instructions. These precautions are intended for the personal safety of you and those working with you.

Read and understand all the safety messages in this manual before you operate or service the machine.

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

FAILURE TO FOLLOW DANGER, WARNING, AND CAUTION MESSAGES COULD RESULT IN DEATH OR SERIOUS INJURY.

Machine safety

NOTICE: *Notice indicates a situation which, if not avoided, could result in machine or property damage.*

Throughout this manual you will find the signal word Notice followed by special instructions to prevent machine or property damage. The word Notice is used to address practices not related to personal safety.

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Climate controls 3-62
Manual temperature control 3-63
Automatic Temperature Control (ATC) 3-64

INSTRUMENT CLUSTER
Analog Digital Instrument Cluster (ADIC) 3-65
Gauges 3-66
Indicator and warning lights 3-67
Displays 3-69
Transmission display 3-72
Keypad enhanced 3-74
Selecting or changing the display settings 3-76
Ground speed calibration 3-77
Performance monitor 3-80
Armrest color display 3-85
Pop-up screens on color display 3-86
Performance monitor on color display 3-91
Programming the displays 3-96
Alarm functions 3-99
Accessing stored error codes 3-101
Selective Catalytic Reduction (SCR) exhaust treatment - Overview 3-102
Warning and advisory symbols 3-112

4 OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT
Refueling the tractor 4-1

STARTING THE UNIT
Starting the engine 4-3
Grid heater cold start aid (where fitted) 4-4
Fuel heater (where fitted) 4-5
Coolant immersion heater (where fitted) 4-5
Transmission oil heater (where fitted) 4-6

STOPPING THE UNIT
Stopping the engine 4-7
Automatic engine shut down with enhanced keypad (where fitted) 4-8

MOVING THE UNIT
Operating in cold temperatures 4-9
Low idle speed management 4-11
Reversible engine fan 4-12

5 TRANSPORT OPERATIONS

PREPARING FOR ROAD TRANSPORT
Carrying the tractor on a transporter 5-1

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⚠ Operator protective structure ⚠

Your machine is equipped with an operator protective structure, such as: a Roll Over Protective Structure (ROPS), Falling Objects Protective Structure (FOPS), or a cab with a ROPS. A ROPS may be a can frame or a two-posted or four-posted structure used for the protection of the operator to minimize the possibility of serious injury. The mounting structure and fasteners forming the mounting connection with the machine are part of the ROPS.

The protective structure is a special safety component of your machine.

DO NOT attach any device to the protective structure for pulling purposes. DO NOT drill holes to the protective structure.

The protective structure and interconnecting components are a certified system. Any damage, fire, corrosion, or modification will weaken the structure and reduce your protection. If this occurs, THE PROTECTIVE STRUCTURE MUST BE REPLACED so that it will provide the same protection as a new protective structure. Contact your dealer for protective structure inspection and replacement.

After an accident, fire, tip over, or roll over, the following MUST be performed by a qualified technician before returning the machine to field or job-site operations:

- The protective structure MUST BE REPLACED.
- The mounting or suspension for the protective structure, operator's seat and suspension, seat belts and mounting components, and wiring within the operator's protective system MUST be carefully inspected for damage.
- All damaged parts MUST BE REPLACED.

DO NOT WELD, DRILL HOLES, ATTEMPT TO STRAIGHTEN, OR REPAIR THE PROTECTIVE STRUCTURE. MODIFICATION IN ANY WAY CAN REDUCE THE STRUCTURAL INTEGRITY OF THE STRUCTURE, WHICH COULD CAUSE DEATH OR SERIOUS INJURY IN THE EVENT OF FIRE, TIP OVER, ROLL OVER, COLLISION, OR ACCIDENT.

Seat belts are part of your protective system and must be worn at all times. The operator must be held to the seat inside the frame in order for the protective system to work.

⚠ Air-conditioning system ⚠

The air-conditioning system is under high pressure. Do not disconnect any lines. The release of high pressure can cause serious injury.

The air-conditioning system contains gases that are harmful to the environment when released into the atmosphere. Do not attempt to service or repair the system.

Only trained service technicians can service, repair, or recharge the air-conditioning system.

⚠ Personal Protective Equipment (PPE) ⚠

Wear Personal Protective Equipment (PPE) such as hard hat, eye protection, heavy gloves, hearing protection, protective clothing, etc.

⚠ Do Not Operate tag ⚠

Before you start servicing the machine, attach a 'Do Not Operate' warning tag to the machine in an area that will be visible.

⚠ Hazardous chemicals ⚠

If you are exposed to or come in contact with hazardous chemicals you can be seriously injured. The fluids, lubricants, paints, adhesives, coolant, etc. required for the function of your machine can be hazardous. They may be attractive and harmful to domestic animals as well as humans.

Material Safety Data Sheets (MSDS) provide information about the chemical substances within a product, safe handling and storage procedures, first aid measures, and procedures to take in the event of a spill or accidental release. MSDS are available from your dealer.

Before you service your machine check the MSDS for each lubricant, fluid, etc. used in this machine. This information indicates the associated risks and will help you service the machine safely. Follow the information in the MSDS, and on manufacturer containers, as well as the information in this manual, when you service the machine.

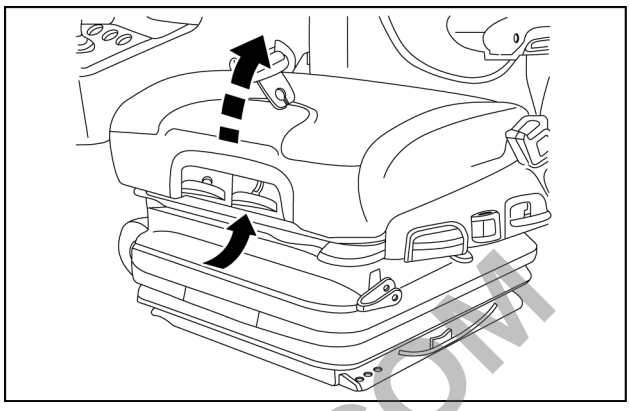
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Seat pan angle adjustment

The angle of seat pan can be individually adjusted.

To adjust the angle of the seat pan, pull the left handle upwards. By exerting pressure on or off the front or rear part of the seat pan it can be moved to the desired position.

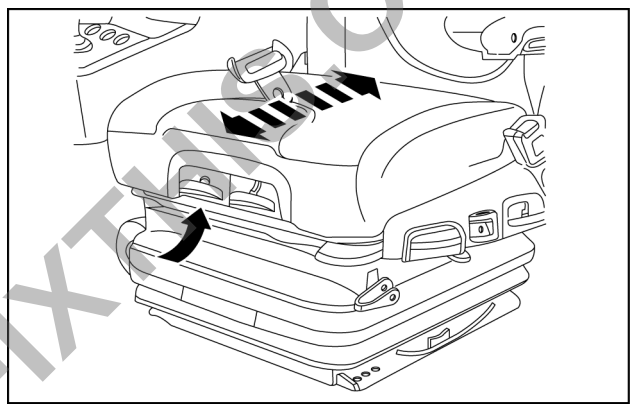


SVIL16TR01980AB 9

Seat depth adjustment

The depth of the seat pan can be individually adjusted.

To adjust the depth of the seat cushion, pull the right handle upwards. By moving the seat cushion backwards or forwards the desired seating position can be reached.

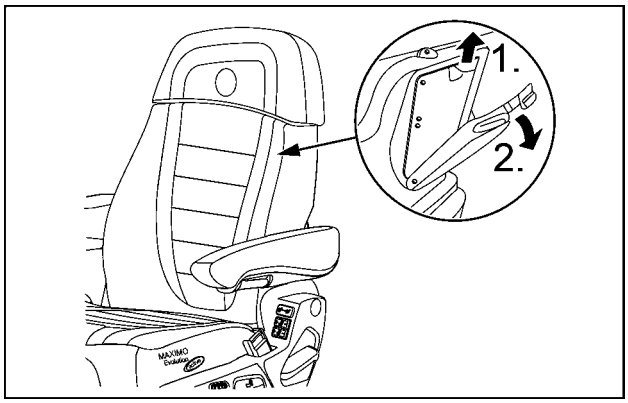


SVIL16TR01981AB 10

Storage box

The storage box is placed on the rear upper side of the backrest.

To open the storage box, first pull the fixing lug upwards **(1)** and then, fold the cover of the storage box backwards **(2)**.

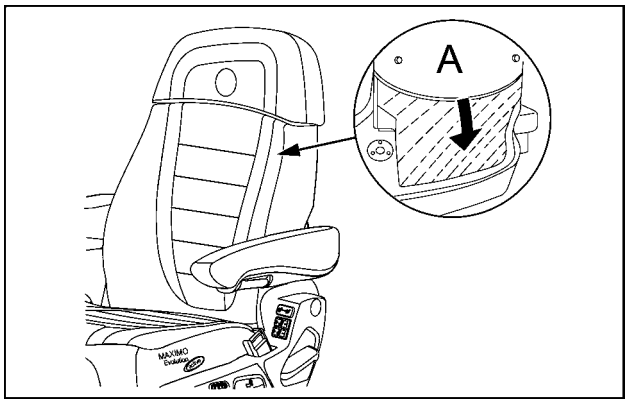


SVIL17TR01026AA 11

Storage net

The storage net is placed on the rear upper side of the backrest.

To open the storage net, pull the upper stretch belt **(A)** backwards.



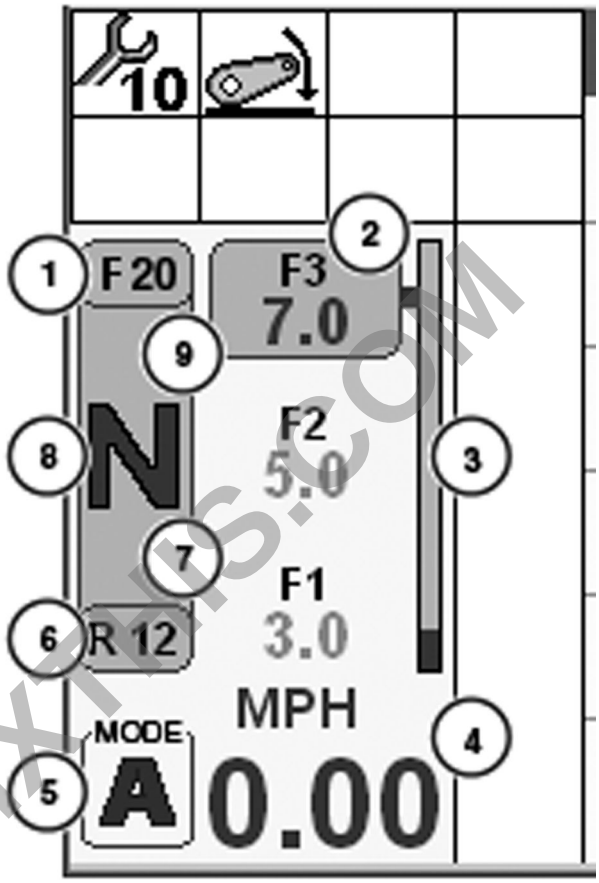
SVIL17TR01027AA 12

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6. Reverse Target Speed. Where the tractor is being drive in a forward direction, the maximum speed attainable when selecting reverse drive is displayed here i.e. **19.3 km/h** (**12 mph**).
7. ▼ = Reverse drive engaged, this will appear below the tractor symbol in transmission status.
8. Transmission Status. The symbol will change to display the current transmission operating mode.
   N = Transmission in neutral.
   P = Electronic park brake applied.
   ▮ = Transmission in travel mode, this will accompanied by one of the direction arrows 7 and 9.
9. ▲ = Forward drive engaged, this will appear above the tractor symbol in transmission status.

The direction arrows 7 and 9 are also used to confirm a change of direction (shuttling) while the tractor is moving. Where the tractor is travelling in the forward direction and reverse is selected, the arrow for reverse will appear flashing in the display. The forward arrow will be continue to be shown in a solid state.

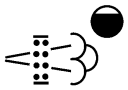
When the tractor has changed direction the reverse arrow will cease to flash and change to a solid state and the forward arrow will disappear.



BRL6141B 2

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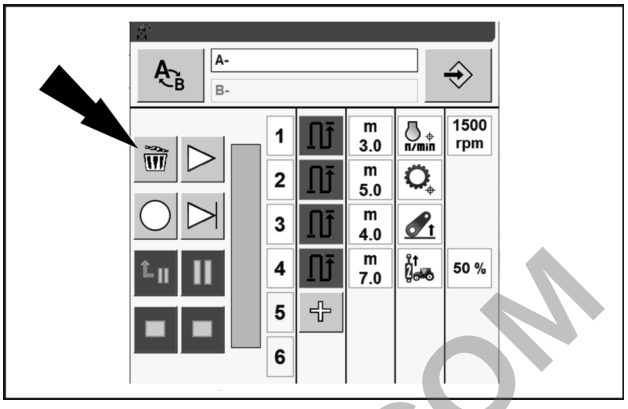
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Display	Panel light	Warning light	Alarm	Cause	Action
	-	 flashing **4 s**/ continuous	**4 s** pulsating	The engine SCR catalyst has become clogged with hydrocarbon accumulation. This can occur when operating at lower temperatures and lighter engine loads. Action is required to clean the SCR catalyst. ***NOTE:*** *Do not drive the machine or increase load on the machine to avoid damage to the catalyst. Do not turn OFF the engine to avoid damage to the catalyst.*	Place the machine in park and apply the hand brake. Manually increase the engine speed up to **1500 RPM** or higher and allow the machine to sit for **1 – 2 h** ***NOTE:*** *This procedure may take **1 – 2 h** to complete depending on the ambient temperature.*

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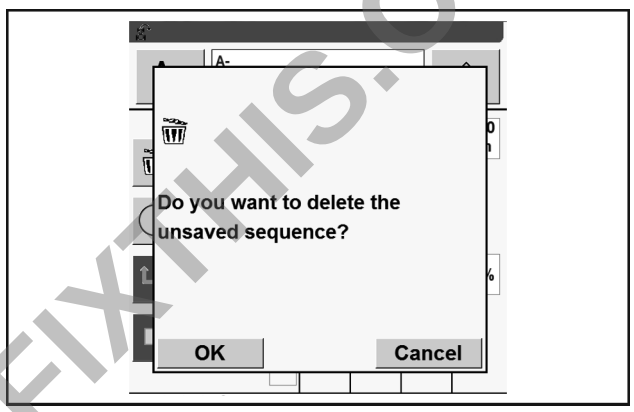
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Touch ‘record’ to continue recording, or ‘trash can’ to delete the current recording.



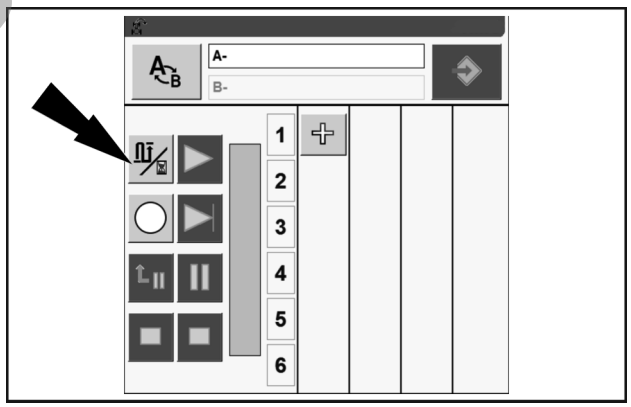
SVIL17TR03182AA 10

The ‘Delete sequence’ confirmation pop up window is displayed.



SVIL17TR03183AA 11

When the sequence has been deleted the ‘trigger’ icon is displayed and the steps are empty.



SVIL17TR03177AA 12

NOTE: *If during a recording sequence, the engine is stopped (key- off) then all steps recorded up to that point will be saved.*

NOTE: *Direction changes are not recorded but a pause is automatically inserted into the sequence when the shuttle lever is operated.*

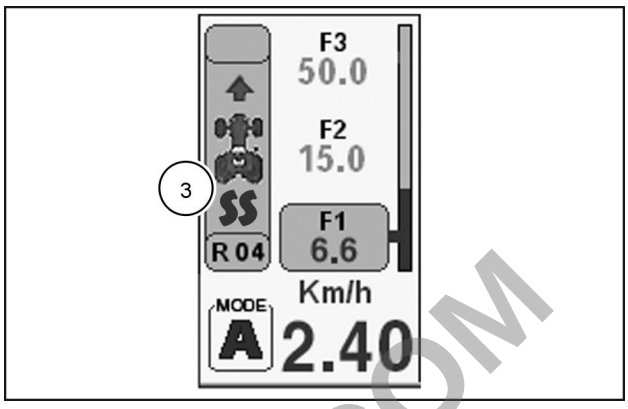
NOTICE: *At key- off (engine stop), any adjustments to electronically stored settings made during tractor operation are transferred from the operating memory to the main memory. To allow sufficient time for the data to transfer, pause for a minimum of* ***5 s*** *before turning the key on again.*

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The color display indicates a symbol **(3)** when travelling in forward direction and the forward switch is pressed to arm the anti jack knife function. The waves are colored white.

The color of the waves changes to green when the foot brakes are applied and the anti jack knife function is active.



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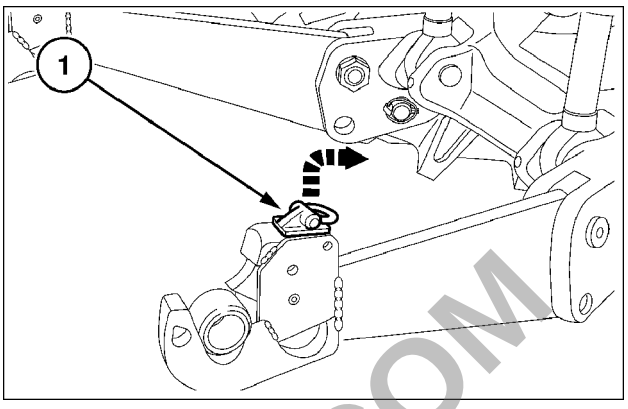
Uncoupling Implement from Tractor

Using the remote lever or joystick, lower the implement to the ground, ensuring that it cannot fall when disconnected from the front hitch. Use the implement supports (where fitted).

Pull back the lever on the top link to release the claw from the implement upper hitch pin.

Pull the ring **(1)** on both lower links fully rearwards. The lever will lock in position with the latch retracted. This will allow the links to clear the ball- bushings on the implement lower hitch pins when the links are lowered fully.

Fully lower the lower links using the remote lever or joy-stick and reverse the tractor clear of the implement.

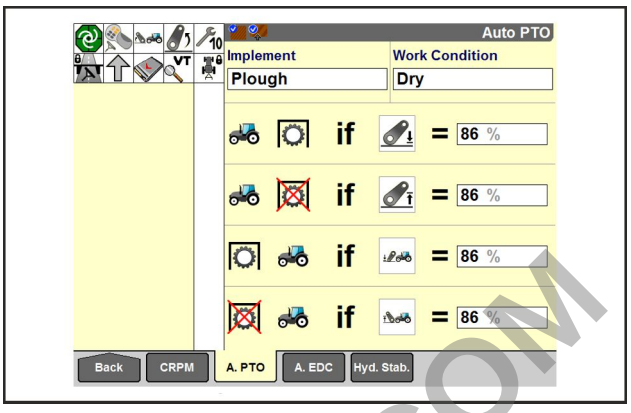


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When selected ‘Implement’ and ‘Work Condition’ it is possible to change default settings for ‘Slip’; ‘Auto-PTO’ engage and disengage height for front PTO and rear PTO and Constant Engine Speed ‘CRPM 1 & 2’ by pressing ‘Settings’.

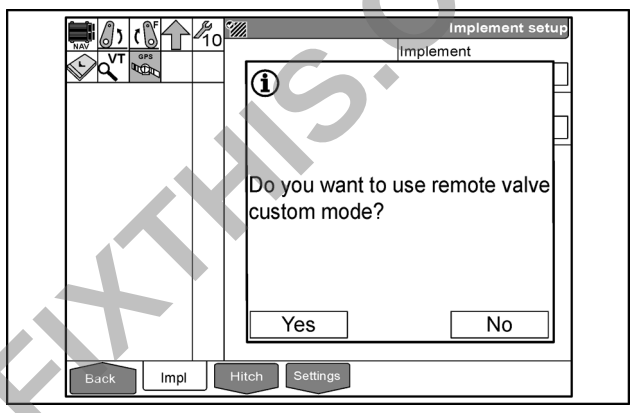


SVIL17TR01308AA 6

Press the back icon to come back to the main screen.

You will be asked ‘ Do you want to use remote valve custom mode?’

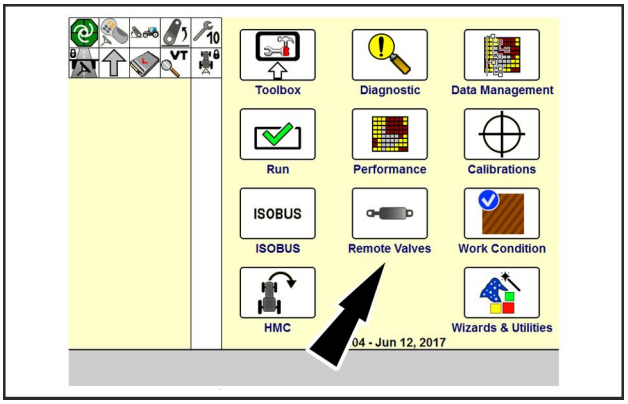
- Yes — to be in custom mode
- No — to stay in default. You have no possibility to change settings.



SVIL14TR00017AB 7

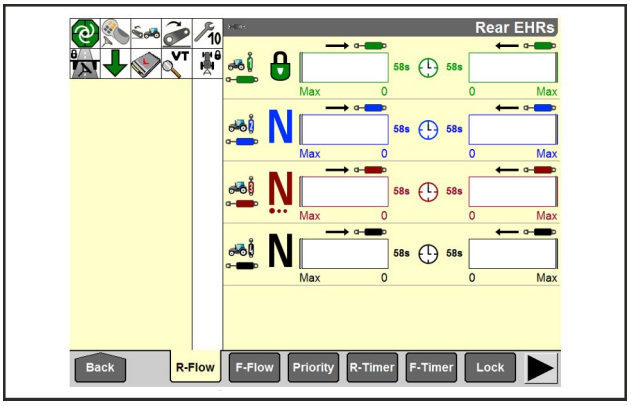
Setting the configuration for an created implement name

Press the ‘Remote Valve’ icon.



SVIL17TR01285AA 8

Press the ‘Reconf’ icon on the bottom of the screen.



SVIL17TR01291AA 9

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Hydraulic trailer brakes (Italian type)

⚠ WARNING

Loss of control hazard!
One-sided brake force exists if you do not use the brake pedal latch, and if you do not depress the left and right pedals at the same time. ALWAYS use the brake pedal latch when traveling at transport speeds and/or when a trailer with hydraulic or air-applied brakes is attached to the machine.
Failure to comply could result in death or serious injury.

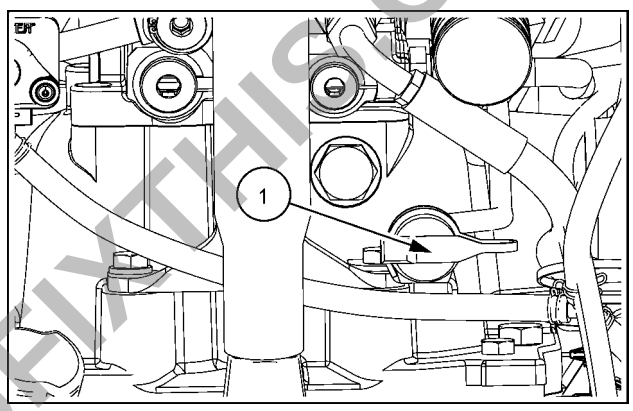
W0375A

NOTE: *Gross train weight, i.e., tractor plus trailer(s) and/or individual trailer weight must not exceed that laid down in local regulations governing the use of trailers.*

NOTE: *The tractor can optionally be equipped with a hydraulic trailer brake system according Standard CUNA NC 341-01.*

The hydraulic trailer braking system on tractors for the Italian market function in a slightly different way to the universal system previously described.

If the trailer brake hose is connected into the coupling **(1)** the trailer brakes will be automatically applied when the foot brakes are used to stop the tractor or when the tractor parking brake is applied when the engine is running. When the engine is switched off, the trailer brakes will remain applied.



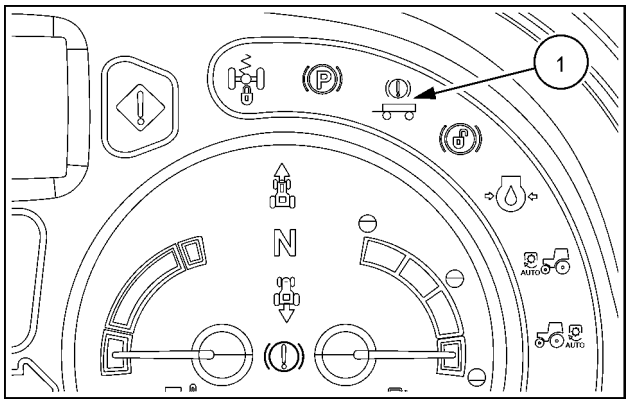
SVIL17TR00778AA 1

To release hydraulic pressure and free the trailer brakes, start the engine, depress both brake pedals and release the tractor parking brake.

NOTE: *The light* ***(1)*** *on the instrument panel will flash, accompanied by critical alarm, to indicate that hydraulic oil pressure to the trailer brake circuit is low. Stop the engine and investigate the cause.*

NOTE: *Should the trailer brake warning light commence to flash, the trailer brakes will apply automatically.*

NOTE: *Always keep the dust cap in place when the trailer brake coupling is not in use. It is a legal requirement in most countries that trailer brakes may only be connected to the tractor coupling by means of a compatible female coupling.*

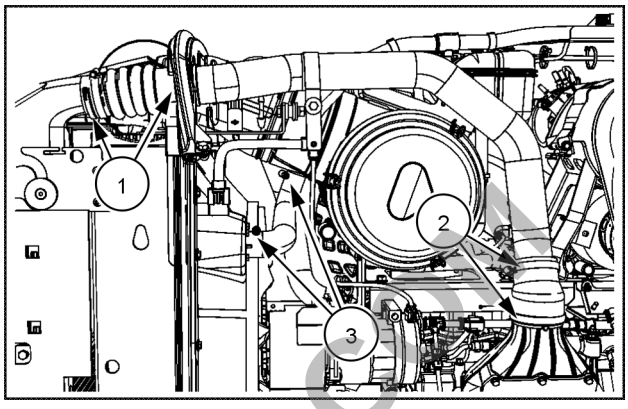


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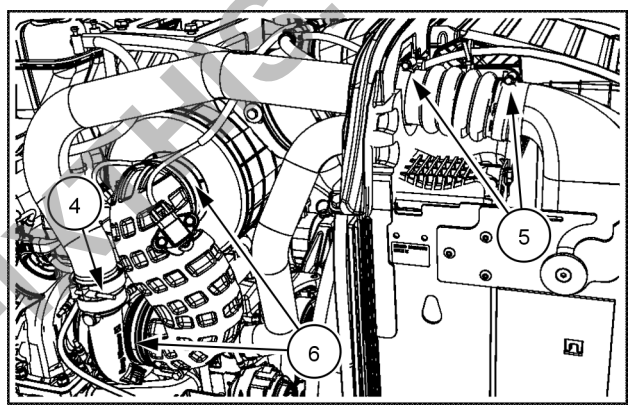
Check the engine air intake connections

Working from both sides of the engine, check all intake system connection clamps for tightness. From the left-hand side of the engine, check the air cleaner intake connections at points **(1)** and **(2)**. Do not overtighten. Also on the left-hand side of the engine, check the exhaust aspirator connections at points **(3)** for proper sealing and the clamps for tightness.



SVIL17TR01328AA 1

From the right-hand side of the engine, check the turbocharger to intercooler at points **(4)** and **(5)**. Do not overtighten. It is essential that the clean air side of the air in take filtration system is sealed correctly at the connections **(6)**.



SVIL17TR01327AA 2

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STORAGE

Tractor storage

⚠ WARNING

Avoid injury!
Carefully read and observe all the precautionary advice contained in this manual.
Failure to comply could result in death or serious injury.

W0044A

Before storing the tractor for an extended period, the following precautions should be taken:

- Clean the tractor.
- Drain the engine and transmission/ rear axle and refill with clean oil.
- Drain the fuel tank(s) and pour approximately **8 l** (**2 US gal**) of special calibrating fuel into the tank. Run the engine for at least **10 min** to ensure complete distribution of the calibrating fuel throughout the injection system. See the next item before running the engine.
- Check the radiator coolant level. If the coolant is within 200 hours of the next change, drain, flush and refill the system, see on page **7-68**. Run the engine for one hour to disperse the coolant throughout the system.
- Lubricate all grease fittings.
- Using the tractor hydraulic system in Position Control, raise the 3- point hitch and support the lift arms in the raised position.
- Lightly coat all exposed hydraulic piston rods with petroleum jelly, e.g., power steering cylinder rams, lift assist rams, spool valves, etc.
- Remove the batteries and store in a warm, dry atmosphere. Recharge periodically.
- Raise the tractor and place supports under the axles to take the weight off the tyres.
- Cover the exhaust pipe opening.

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