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:

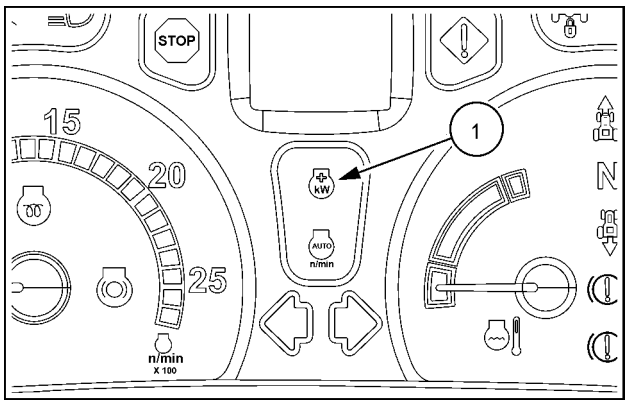
PTO fully engaged.
Tractor forward speed above **0.5 km/h** (**0.3 mph**).
PTO drive line output torque is above **112 Nm** at the engine shaft.
Engine coolant temperature below **105 °C** (**221 °F**)

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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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.

W0112A

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 **3-118**.

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 (**7-12**) 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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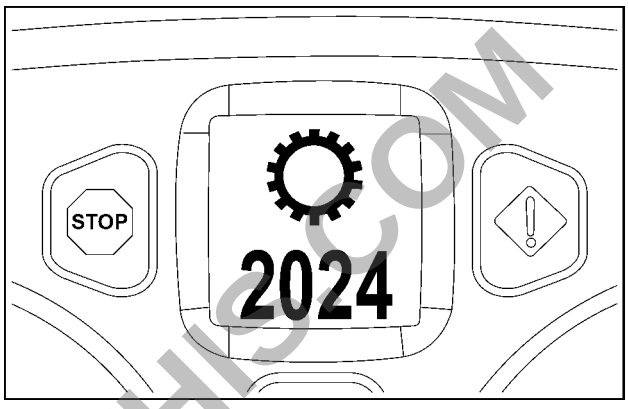
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8 - TROUBLESHOOTING

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.

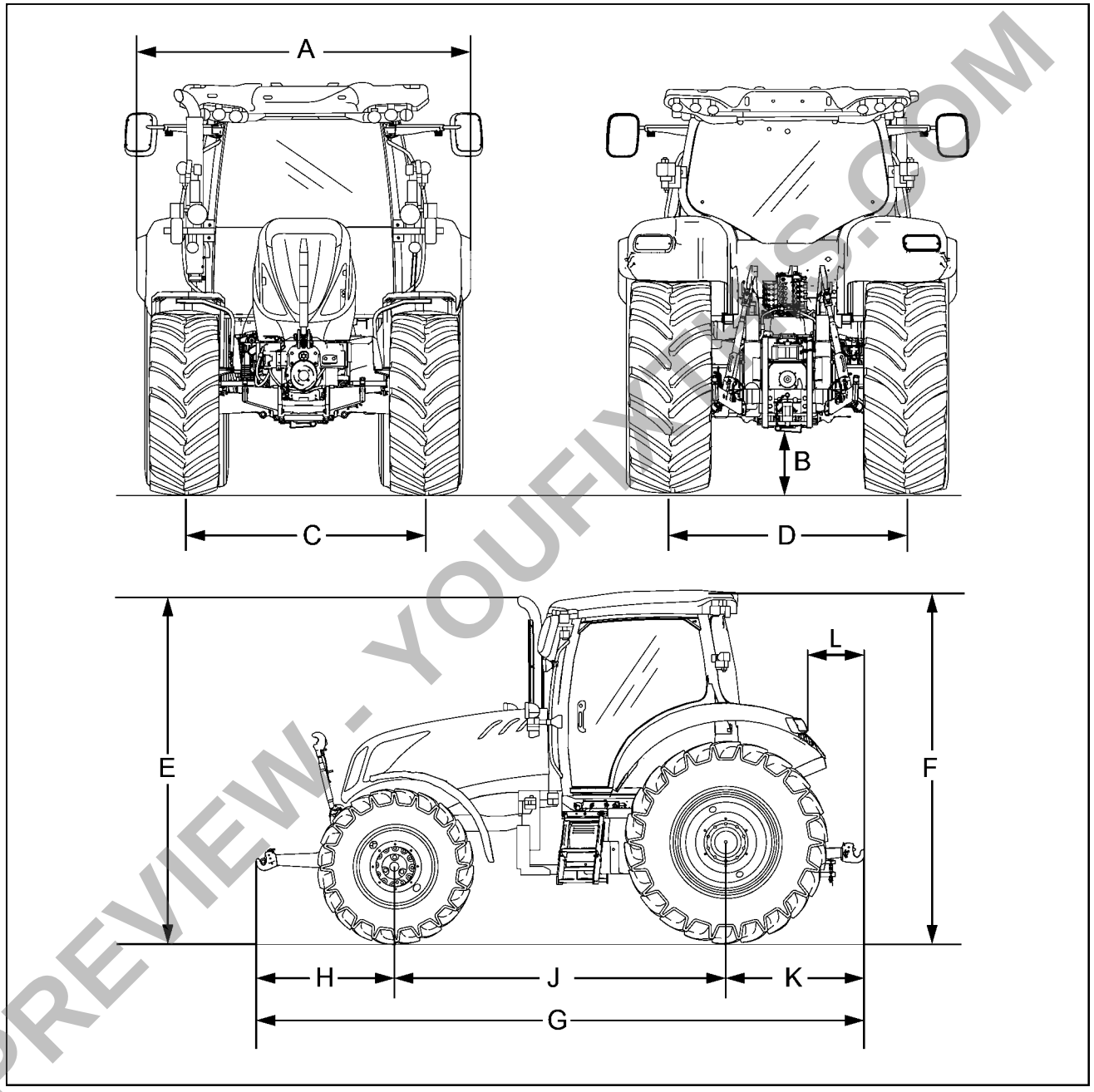
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9 - SPECIFICATIONS

General dimensions

General dimensions



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NOTE: *The following dimensions are based on standard tractors fitted with tyre size as shown. If your tractor has tyres of a different size then the dimensions will vary due to the difference in the rolling radius and section width of the tyres fitted.*

GENERAL DIMENSIONS

Model		T7.230	T7.245	T7.260	
Axles		Standard, Suspension, 4WD axles. SuperSteer			
The following dimensions are based on tractors with tyre sizes shown	Front	480/70R30			
	Rear	580/70R42			

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NOTE: *The Operator's Manual consists of two volumes. The first volume contains operating information, the second volume the maintenance and diagnostic information.*

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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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Information

NOTE: *Note indicates additional information which clarifies steps, procedures, or other information in this manual.*

Throughout this manual you will find the word Note followed by additional information about a step, procedure, or other information in the manual. The word Note is not intended to address personal safety or property damage.

ISO two panel pictorial symbol decals, if used, are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW. Prohibition symbols such as STOP, if used are RED.

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- Always wear eye protection when you work with batteries.
- Avoid contact with skin, eyes, or clothing. If contact occurs, seek immediate medical attention.
- Antidote (external body): flush the area with water.
- Antidote (eyes): flush with water for 15 minutes, and seek immediate medical attention.
- Antidote (internal ingestion): drink large quantities of water or milk. Do not induce vomiting.

- Battery post, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.
- Follow the manufacturer's instructions when you store and handle batteries.
- Keep batteries out of reach of children and other unauthorized persons.

M Overturning hazards.

Do not use the tractor on slopes or in other conditions that exceed the stability limits in this manual (see **1-16**). Using the tractor beyond these limits may cause the tractor to roll over or tip over. Follow the recommendations in this manual. Pay particular attention when the tractor travels down steep hills in a loaded condition.

Do not drive the tractor on or near the edge of ditches, canals, dykes or embankments with ground that is unstable or dug out by rodents. The tractor may sink sideways and roll-over.

Do not use the tractor on:

- Unstable crossings or bridges
- Soft surfaces
- Surfaces that cannot support the weight of the tractor

These constructions may collapse and cause the tractor to roll over.

Always inspect the condition and carrying capacity of bridges and ramps before you drive the tractor onto a bridge or ramp.

Seat belts are part of your Roll Over Protective Structure (ROPS) and must be worn at all times. An operator must be held to the seat inside the frame in order for the protective system to work.

Always respect the dynamic stability limits of the tractor. Abrupt, high-speed maneuvers increase the risk of tractor roll-over. Fast cornering and tight cornering increase the risk of tractor roll-over.

Do not use the tractor for pulling operations where you do not know if the load will yield (for example, pulling stumps). The tractor may flip over backwards if the load does not yield.

Be extremely cautious when you work with the tractor on forage silos without concrete sidewalls. Dual wheels or a wide track setting may improve the sideways stability of the tractor.

Be aware that the tractor center of gravity may increase when you raise loads with a front-end loader or a three-point hitch. In these conditions, the tractor may roll over earlier than you expect.

***NOTE:** The provided list does not contain all possible hazards. Always follow the instructions in this manual when you use the tractor.*

N Risks related to contact with hot surfaces.

Wait for all components to cool before you perform any maintenance or adjustment operation. Do not handle any service fluid (engine coolant, engine oil, hydraulic oil, etc.) at temperatures that exceed **49 °C** (**120 °F**). Allow fluids to cool. See **2-19**.

O Falling Objects Protective Structure (FOPS).

The tractor is equipped with a type-approved ROPS cab and, if provided, also with a FOPS certified cab roof (see page **1-9**), in accordance with Code 10 of the Organisation for Economic Co-operation and Development (see **2-22** and **2-12** and the following ('Operator protective structure')).

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PASSENGER'S SEAT

Passenger seat

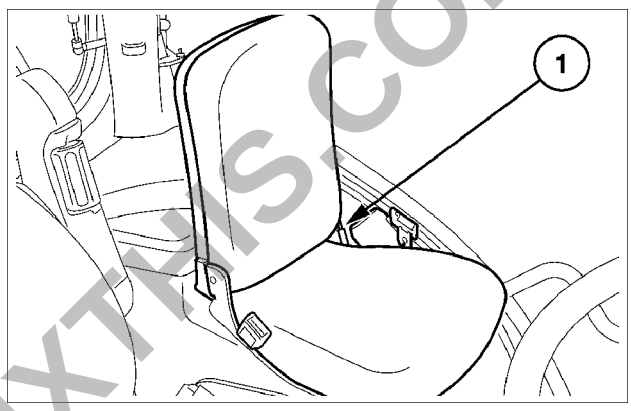
⚠ WARNING

Equipment failure could cause accident or injury!
Always fasten the seat belt securely before you operate the machine. Inspect seat belt parts for wear and damage. Replace any and all worn or damaged parts of the seat belt prior to operation. Failure to comply could result in death or serious injury.

W0046C

Refer to page **2-31** in this manual for additional information.

A folding passenger seat is available where local legislation permits. To raise the seat backrest, lift to the upright position. The seat will be retained in the upright position by the gas strut **(1)**. When not required fold the upper part of the seat down to reveal the drinks holder.



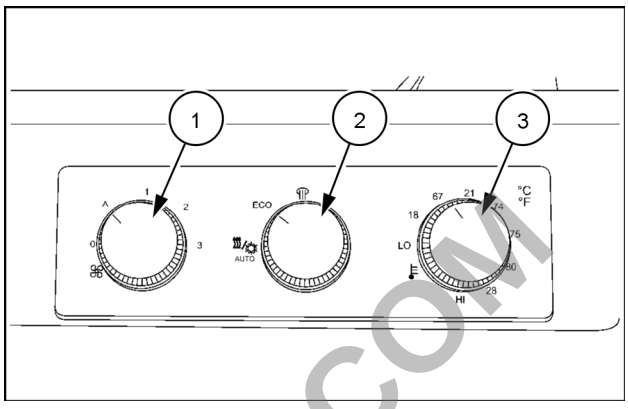
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Automatic Temperature Control (ATC)

With Automatic Temperature Control (ATC) the operator can set the temperature inside the cab to maintain a comfortable working environment.



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ATC adjustments

Turn the knob **(2)** clockwise to activate the air condition adjustment:

- AUTO
- ECO
- Defrost

Automatic function

By automatically adjusting the output of the heating and air conditioning systems, ATC will provide a stable cab temperature between **15 °C** (**59 °F**) and **32 °C** (**90 °F**).

Economy function

By economy adjusting the air condition compressor is switched OFF. Only the blower can be activated.

Defrost function

In very cold conditions where the outside of the cab windows become covered in ice turn the knob **(2)** fully clockwise. This will automatically set the heater temperature to maximum, activate the air conditioner (if not already switched on) and select the highest speed setting on the blower fan.

This function may also be used to clear heavy misting on the inside of the cab windows.

Cab temperature adjustment

To set the cab interior temperature align the mark on the control knob **(3)** with the desired figure. If required, the control can be set to the intermediate positions between the figures to provide additional temperature levels.

Selecting 'HI' or 'LO' on the temperature control will override the automatic system to provide a maximum heating or cooling effect.

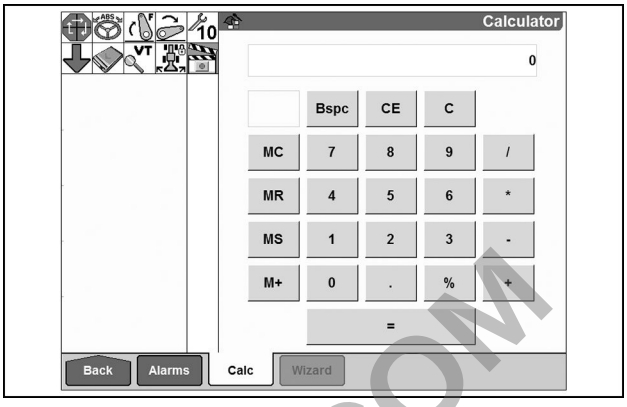
Blower speed adjustment

The blower control switch **(1)** has five positions, off, 'A' and three blower speeds. With 'A' selected the speed of the blower fan is controlled automatically.

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Calculator

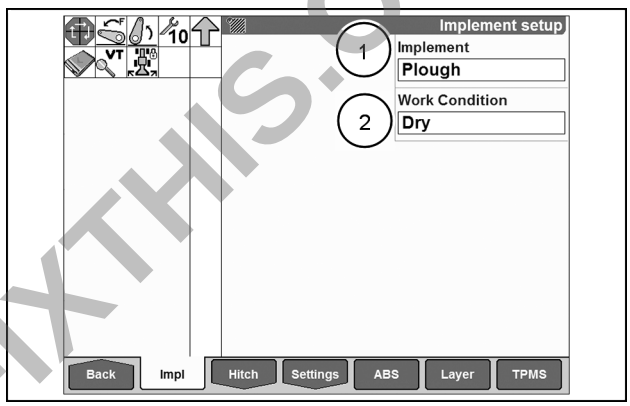


SVIL15TR02304AA 12

☞ Calc.
The calculator screen allows a maximum of 10 digits to be entered.

☞ Back to return to the main display.

Setting the Work Conditions



SVIL15TR02316AA 13

NOTE: *To exit pop- up screens without making changes touch X.*

NOTE: *Changing the descriptions for Implement or Work Condition in any screen will automatically update all Work Condition screens.*

Implement Setup

☞ Work Condition

☞ Impl

The implement screen allows the operator to select, edit or create implement descriptions and working conditions.

☞ Implement **(1)**

Select an implement from the pop- up list, modify a current implement description or add a new implement category to the list.

NOTE: *A more comprehensive implement setup list can be found in Toolbox, Implement setup.*

☞ Work Condition **(2)**

Select the current work condition from the pop- up list, modify the current condition or add a new work category to the list.

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4 - OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT

Refueling the tractor

⚠ WARNING

Fire hazard!
When handling diesel fuel, observe the following precautions:
1. Do not smoke.
2. Never fill the tank when the engine is running.
3. Wipe up spilled fuel immediately.
Failure to comply could result in death or serious injury.

W0099A

⚠ WARNING

Fire hazard!
Do not add gasoline, alcohol, or blended fuels to diesel fuel, except as recommended in this manual.
Fuel combinations may increase fire and explosion hazards.
Failure to comply could result in death or serious injury.

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NOTE: *Additionally, dieselhol is not approved due to possible inadequate lubrication of the fuel injection system.*

Maintenance requirements

The operator must maintain appropriate DEF/AdBlue® levels at all times. No additional maintenance is required.

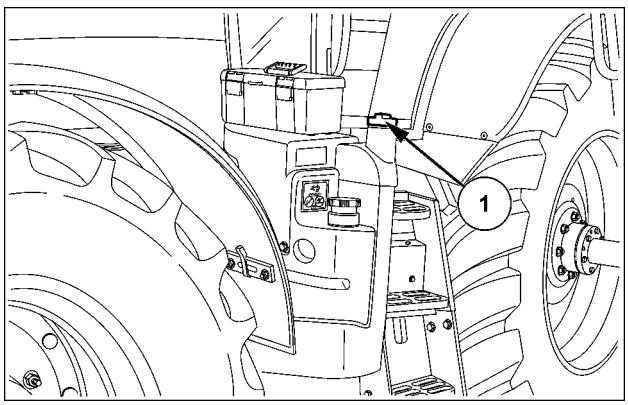
NOTE: *See your NEW HOLLAND dealer for replacement components and cleaning agents.*

See pages **7-9** and **7-10** for lubrication oil quality, maximum lubrication oil consumption ratings, and page **7-2** for fuel requirements. Your SCR system is compatible with up to **7%** bio-diesel fuel.

Diesel

When handling diesel fuel, observe the following:

- Fill the tank at the end of each day to reduce overnight condensation.
- Clean the area around the fuel cap **(1)** to prevent dirt from entering tank and contaminating the fuel.
- Never take the cap off or refuel with the engine running. Remove the cap and place in a clean area during refuelling. The cap is attached to the fuel tank by a chain to prevent loss.
- Keep control of the fuel nozzle while filling the fuel tank.
- Don't fill the tank to capacity. Allow room for expansion. If the original fuel tank cap is lost, replace it with a genuine original equipment cap and tighten securely.
- After filling the tank, replace and tighten the fuel cap.
- Wipe up spilled fuel immediately.



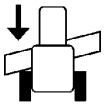
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Explanation of symbols

The symbols as shown are examples of those which may, depending on tractor specification and sequence content, appear in the instrument cluster when HTS is active.

	Rear hitch -Float		Remote Cylinder - Extend		Play (automatic)
	Front hitch -Fast penetration		Remote cylinder - Retract		HTS fault
	CRPM switch selection 1		Remote cylinder - Float		Adjust right-hand hydraulic lift rod down right
	CRPM switch selection 2		Front hitch -Raise		Adjust right-hand hydraulic lift rod down left
	CRPM switch selection OFF		Front Electro Hydraulic Remote (EHR) float		Front EHR neutral
	Engine speed - Up		Front hitch - Lower		Adjust hydraulic top link upwards
	Engine speed - Down		Front hitch - Float		Adjust hydraulic top link downwards
	Rear hitch - Raise		Pause		Reversible fan
	Rear hitch - Lower		Record		Front remote cylinder - Retract
	Up shift		Down shift		Front remote cylinders - Extend
	Suspension lock		Suspension unlock		Autoguidance system active
	Cruise mode OFF		Rear Power Take-Off (PTO) engaged		Rear PTO disengaged
	Speed range 1		Speed range 2		Speed range 3
	Cruise mode		Go to engine speed		Go to transmission gear

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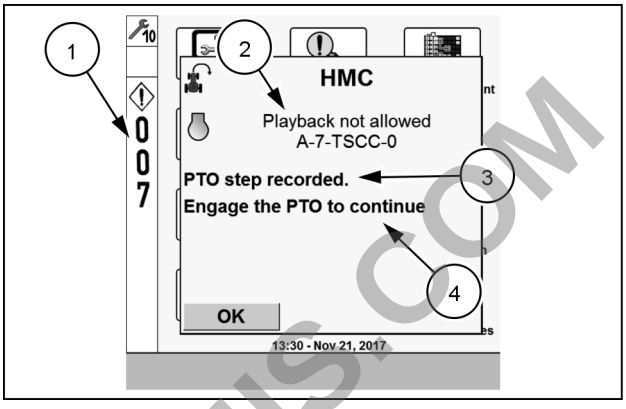
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Headland turn sequence error codes

If a HTS action is executed wrongly or cannot be carried out due to wrong settings or missing requirements, an error code appears on the screen to inform the operator.

With color display

The screen will display:
The Code ID **(1)**
The title **(2)**
Short description **(3)**
Actions required to continue **(4)**



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The following HTS error codes may be shown on the screen:

Color Display	Title	Description	Action required
001	System error	Operator not present or engine switched off.	Sit on the operator's seat and start the engine.
002	Playback not allowed	An error occurred in the subsystem indicated by the icon.	Function not available.
003	Not used		
004	Not used		
005	Not used		
006	Not used		
007	Playback not allowed	The sequence contains a rear PTO step, but the rear PTO switch is not depressed / The sequence contains a front PTO step, but front PTO switch is not depressed	Engage the rear/front PTO.
008	Not used		
009	Playback not allowed	The sequence contains a rear PTO step, but the Auto rear PTO is active / The sequence contains a front PTO step, but the Auto front PTO is active.	Disable the auto PTO.
010	Not used		
011	Not used		
012	Playback not allowed	Sequence contains an EHR step that requires that 'motor mode' is deactivated, but 'motor mode' is currently activated.	Disable 'motor mode'
013	Playback not allowed	Sequence contains an EHR step that requires that 'motor mode' is activated, but 'motor mode' is currently deactivated.	Activate 'motor mode'.
014	Playback not allowed	The sequence contains an EHR step, but the hydraulic master switch is currently in 'transport mode'.	Select 'working mode'.
015	Not used		
016	Not used		
017	Not used		

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Setting the forward and reverse gear ratios

During normal shuttle operation a default memory option is active when shuttling from forward to reverse and vice-versa.

The default gear is B1 (7) for forward and R3 (3) for reverse.

Change the forward and reverse gear

With the engine running and the transmission in neutral, press the upshift switch **(2)** to change the forward gear from B1 (7) to B2 (8) and the reverse gear from R3 (3) to R4 (4).

Press upshift again to select B3 (9) and R5 (5) and so on.

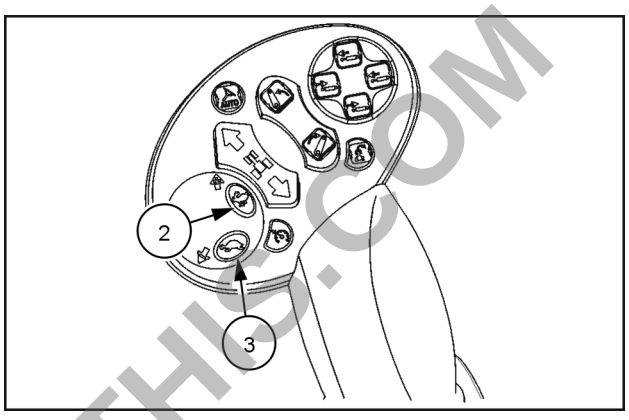
Press the downshift switch **(3)** to select B2 (8) and R4 (4).

Press the downshift switch again to select B1 (7) and R3 (3) and so on.

The selected forward and reverse proportion remains as long as a lower gear for downshift or a higher gear for upshift is available.

If R1 is reached, with the next downshift, only the forward gear decreases.

If R6 is reached, with the next upshift, only the forward gear increases.



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Change only the forward gear

Select forward and press upshift/downshift switch to increment/decrement the forward gear.

Change only the reverse gear

Select reverse and press upshift/downshift switch to increment/decrement the reverse gear.

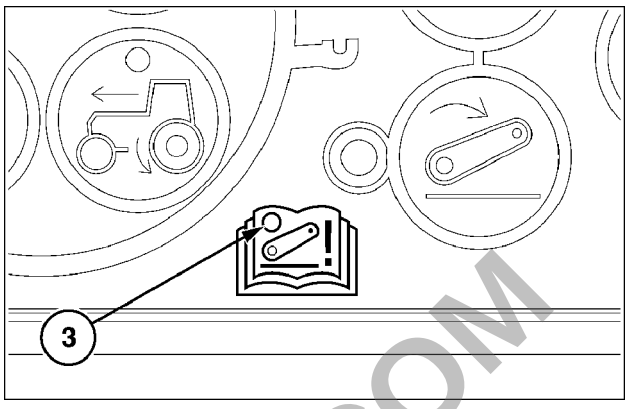
NOTE: *The forward and reverse gear is set to the default setting every time the ignition key is turned into the OFF position.*

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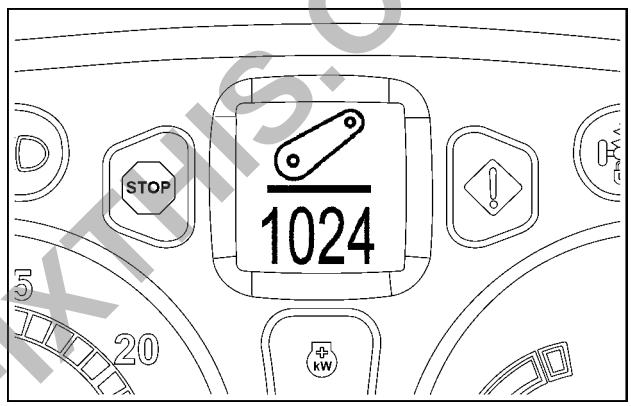
Malfunction warning light and display

In the unlikely event that a fault occurs in the EDC , the malfunction warning light **(3)** will start to flash. The warning light will be accompanied by the appearance of an fault code in the dot matrix display, figure **5**.



BRL6107B 4

The code indicates the tractor circuit or sensor in which the fault lies and the type of fault, e.g. short circuit, open circuit, sensor failure, etc. In this event your tractor will require the attention of your authorised dealer.



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Electronic joystick operation (where fitted)

NOTICE: *The following descriptions of joystick operating procedures refer to tractors not equipped with a factory installed loader kit. For information on loader functions consult the loader Operator's Manual or see page* ***6-178****.*

The optional electronic joystick **(1)** can be used to operate either mid-mounted or rear mounted EHRs. Where the joystick is being used to control the rear mounted valves, the operation of the mid mount valves will be transferred to EHR lever control.

With mid and rear mounted EHRs, the switch on the integrated control panel, permits joystick control of either mid-mounted or rear mounted valves.

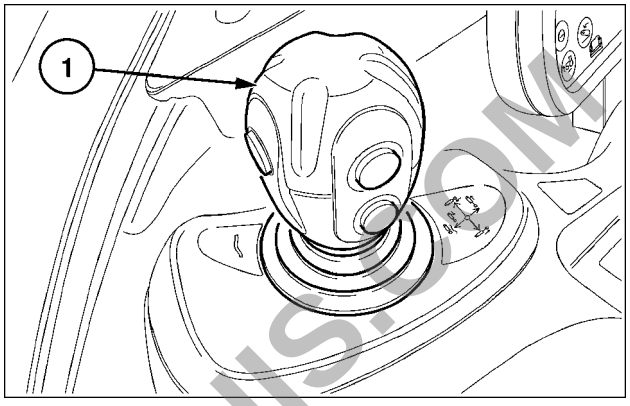
Indicator lights **(1)** and **(2)** confirm which valves are controlled by the joystick.

NOTE: *Where tractors are fitted with mid mount EHRs and mechanical rear remote vales, depressing the switch* ***(1)*** *will have no effect and the light* ***(2)*** *will remain illuminated.*

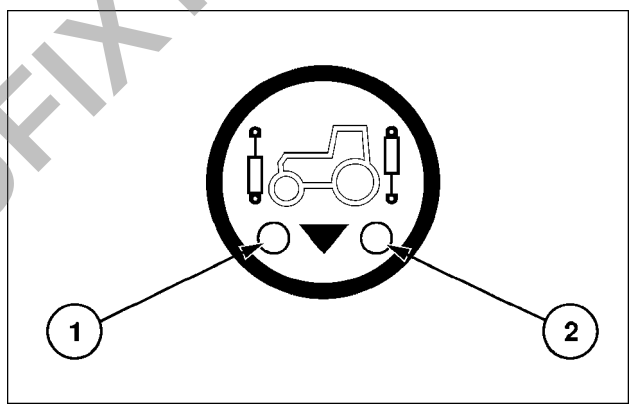
At key-on, assuming the joystick set to operate the mid-mount valves, the indicator light **(1)** will be on. To switch joystick control from mid- mount to rear mount valves, depress and hold the switch for **2 s** until light **(1)** is extinguished and light **(2)** starts to flash.

Release the switch and light **(2)** will stop flashing and will remain illuminated. Control is now transferred to the rear mounted valves.

Before transferring joystick control between EHRs, it is important that all remote valves are in neutral. Any valves not in neutral will be disabled and the EHR display will identify the number and 'R' (rear) or 'FR' (front). If a joystick transfer is attempted and one of the target valves is not in neutral the indicator light will flash until the disabled EHR has been reactivated.



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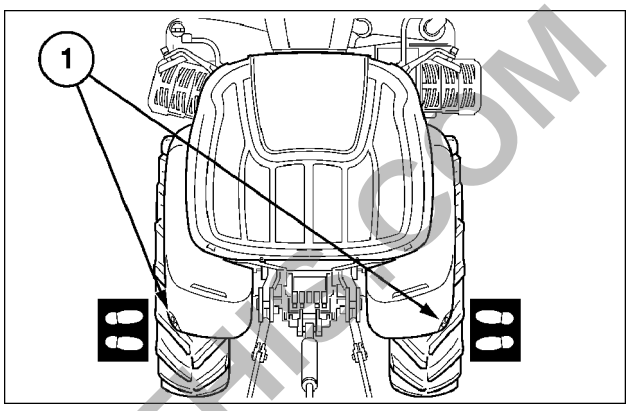
External EHR controls

⚠ WARNING

Avoid injury!
Observe ALL precautions listed below when using external controls.
Failure to comply could result in death or serious injury.

W0420A

- Activate the external hydraulic control switches only while standing to the side of the tractor (outboard of the rear tires). Do not stand on or near the implement or between the implement and the tractor
- Before leaving the tractor to operate the external controls:
  - Disengage the PTO
  - Move the shuttle lever to the neutral or park lock position.
  - Apply the parking brake.
  - With the engine running, move the hand throttle lever to the low idle position (fully rearwards).
- Before using the external remote valve controls **(1)** ensure that no person or object is in the area of the implement or three-point hitch.
- Do not climb on the implement or between the implement and the tractor when the external hydraulic controls are enabled.
- Do not climb on the implement or between the implement and the tractor when the external hydraulic controls are enabled.
- Do not climb on the implement or between the implement and the tractor when the external hydraulic controls are enabled.



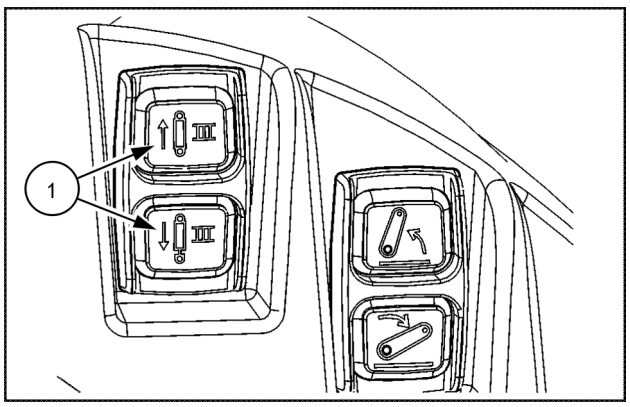
BRL6304C 1

Two external switches **(1)** are provided on each rear fender assembly. Depress the upper switch to extend a hydraulic cylinder, depress the lower switch o retract a cylinder.

NOTE: *External EHR switches are linked to remote valve 3 only and cannot be re-configured to operate through a different valve.*

When operating a single acting service, the lower switch can be used to extend the cylinder but the remote valve lever in the cab must be used to retract the cylinder (float position).

The fender switches will only operate when the tractor speed is below **0.5 km/h** (**0.3 mph**) and will provide a maximum flow rate of **20 l/min** (**5.3 US gpm**) through the valve.



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Slider frame with tow pin (piton)

The assembly shown is equipped with a height adjustable tow pin (piton).

NOTE: *When setting the height of the tow pin, it should be adjusted to the lowest position relative to the correct operating height of the towing shank.*

Installation of the tow pin (piton) on the frame

- Pull the security pins **(1)** move the bolts **(2)** inwards.
- Move the tow pin assembly into the desired position in the slider frame.
- Move the bolts outwards until the security pins lock.
- Check if the pins are secured.

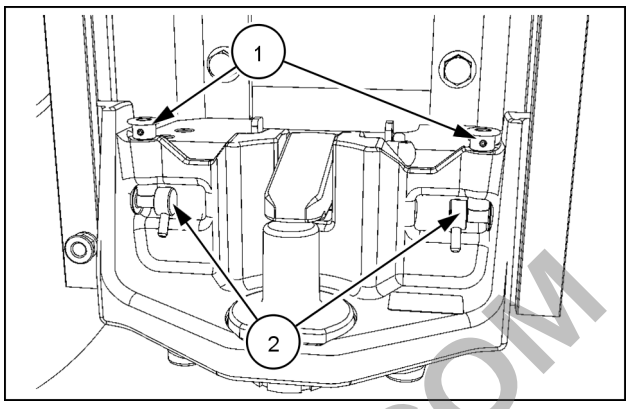
To attach a trailer pull the sleeve **(3)** and move the bolt **(5)** outwards. This will allow the security latch **(6)** to pivot upwards. When the towing eye of the trailer is securely attached, push down the security latch and move the bolt in its rest position. Check if the indicator **(4)** on the sleeve is fully visible. The security latch will ensure that the trailer cannot become accidentally detached from the tow pin.

NOTE: *Always make sure that the bolt **(5)** is in its rest position when no trailer is attached to the piton coupling.*

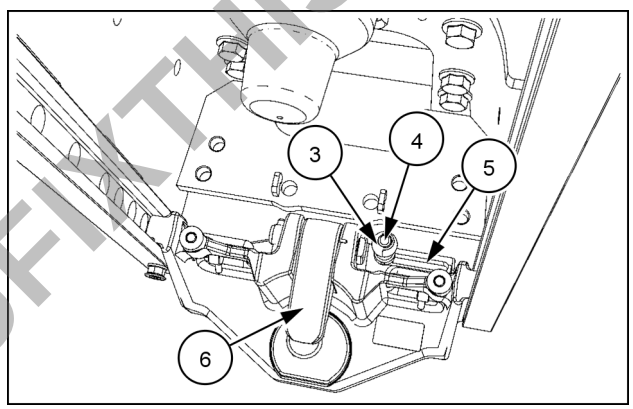
NOTE: *The permissible static downward load on the tow ball is **2500 kg** (**5512 lb**) in all frame positions. In the lower three positions the permissible load is up to **3000 kg** (**6614 lb**) or the rear tire load capacity, which ever is lower. See page **6-273**.*

Permissible trailer towing eye with tow pin 45 mm (1.8 in) must be according to:

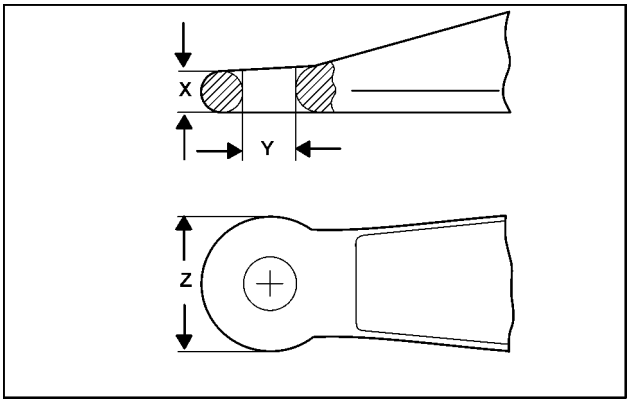
	x	y	z
ISO 5692-1	**30 mm**	**50 mm**	**110 mm**



SVIL15TR02160AA 12



SVIL16TR01701AA 13

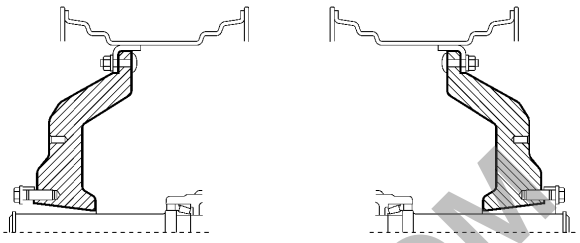
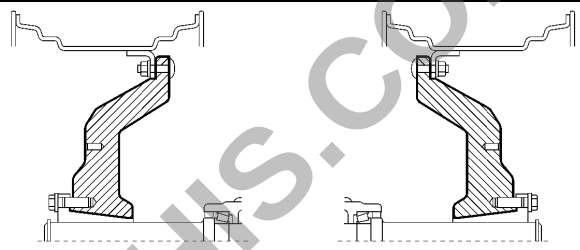


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Wheels with cast centre disc

Track Adjustment	Rim and Disc Position
2490 mm axle (**98 in**) **1524 – 1880 mm** (**60.0 – 74.0 in**)	 CAST CENTRE DIS 10
2845 mm axle (**112 in**) **1524 – 2235 mm** (**60.0 – 88.0 in**)	
3022 mm axle (**119 in**) **1524 – 2438 mm** (**60.0 – 96.0 in**)	
2490 mm axle (**98 in**) **1930 – 2286 mm** (**76.0 – 90.0 in**)	 CAST CENTRE DIS 11
2845 mm axle (**112 in**) **1930 – 2641 mm** (**76.0 – 104.0 in**)	
3022 mm axle (**119 in**) **1930 – 2844 mm** (**76.0 – 112.0 in**)	

NOTE: *The track widths shown in the above table are nominal and may vary from that shown dependant on wheel and tyre size.*

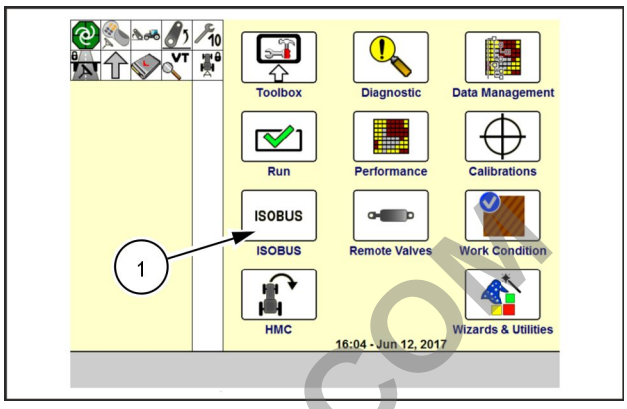
NOTE: *With the larger width tyres, it may not be possible to move the wheels to the narrower settings due to limited clearance between the tyre and fender.*

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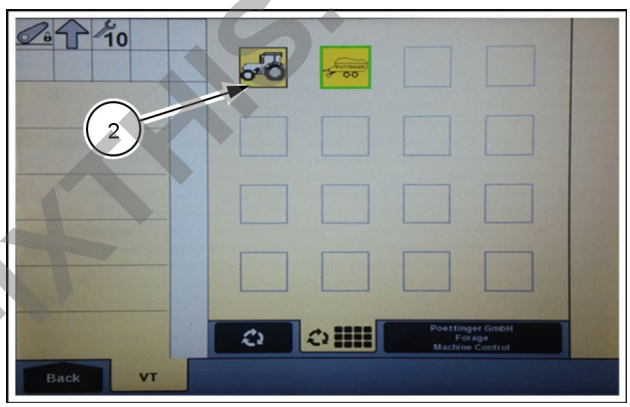
Reconfigurable inputs for ISO Bus function

With the optional ISO Bus Class 2 or 3 function fitted on the tractor and a ISO Bus Class 2 or 3 compatible implement connected to the tractor it is possible to assign tractor controls on the armrest to specific implement functions. Press the ISO Bus icon **(1)** on the entry screen.



SVIL17TR01285AA 1

Press the tractor icon **(2)** to enter the auxiliary inputs control assignment screen.

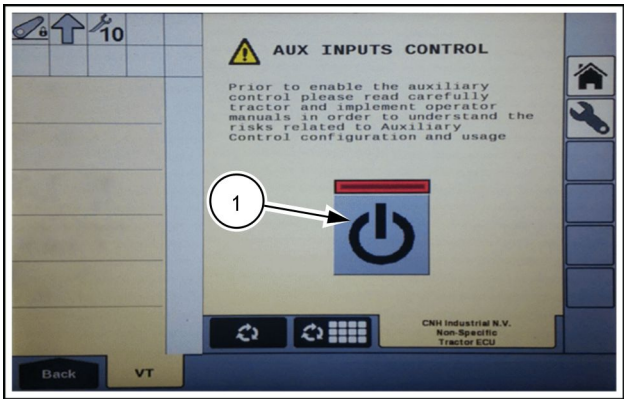


SVIL17TR01240AA 2

Enabling the ISO Bus function assignment

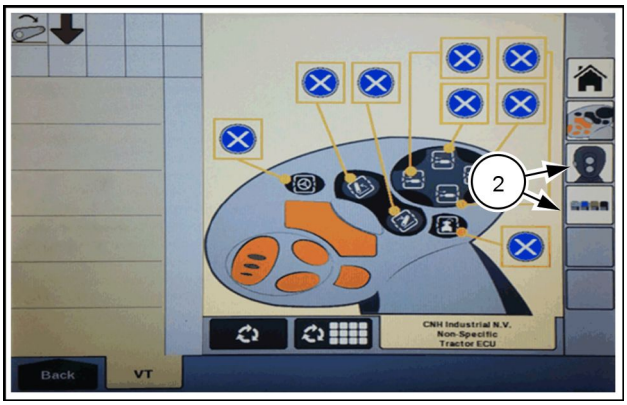
Press the 'ON' icon **(1)** to enable the assignment.

NOTICE: *Carefully check which tractor control you assign to ISO Bus functions. E.g. it is not recommended to assign the 'raise/lower switch' for the EDC to an ISO Bus function when the implement is fitted to the three-point hitch in order to avoid unexpected movement.*



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The screen shows the Multifunctionhandle (MFH) with all switches, which can be assigned to control a specific ISO Bus function. To see the switches located on the joystick or the EHR levers, press the appropriate icon **(2)**.

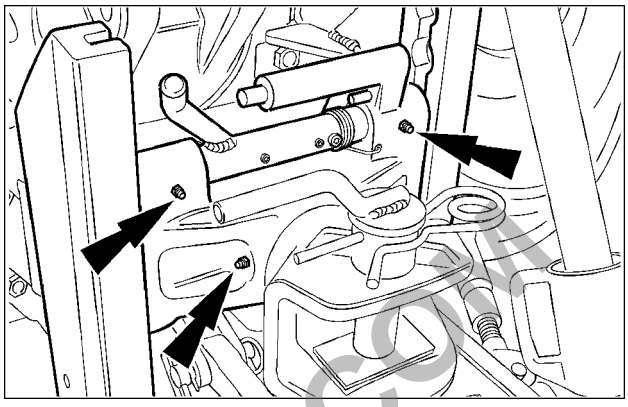


SVIL17TR01313AA 4

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Rear tow hitch (with slider frame and swivel tow pin)

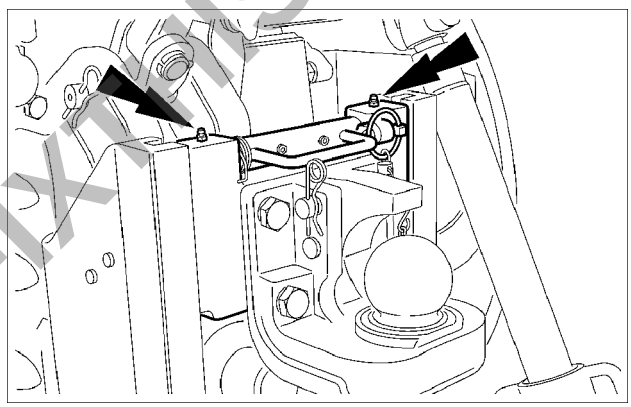
Apply a grease gun to the lubrication fittings as shown.



SS10K084 16

Rear tow hitch (with slider frame and K 80mm ball)

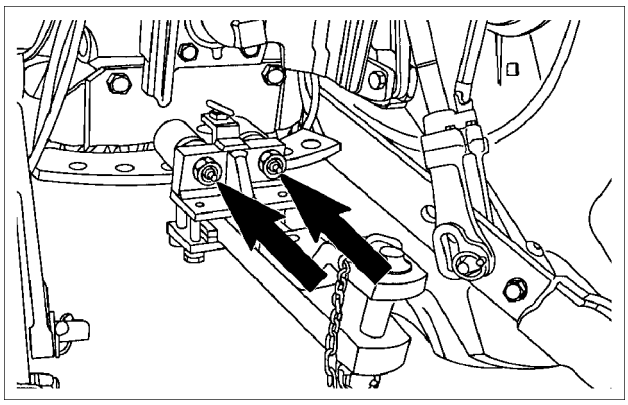
Apply a grease gun to the lubrication fittings as shown.



BRI3795B 17

Heavy duty roller drawbar

Apply a grease gun to the lubrication fittings as shown.



TA55 18

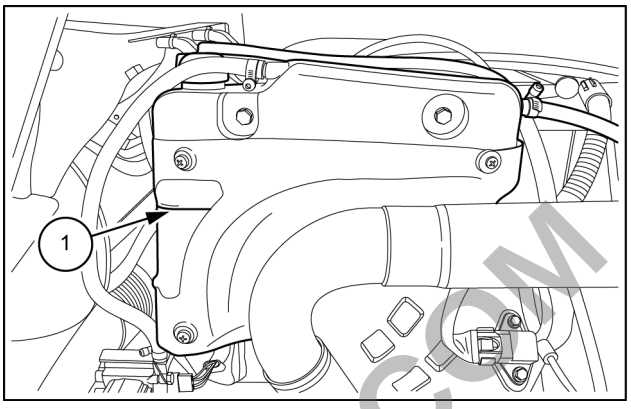
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After refilling the system — All coolant solutions

1. Inspect cooling system hoses and connections for leaks.
2. Fill the coolant recovery tank to the cold fill mark **(1)** and replace the cap.
3. Start the engine and run it until normal operating temperature is reached.

NOTE: *The coolant level will drop as coolant is pumped around the system.*



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4. Stop the engine and allow the coolant to cool.

NOTE: *If the engine is not going to be operated immediately following this coolant change, run the engine for one hour to ensure that the antifreeze and/or organic inhibitor is dispersed through out the cooling system. Allow the engine to cool and make a final check to ensure that the coolant level is satisfactory. Turn the heater control knob **(2)** and heater blower **(1)**, figure **2**, fully ON to ensure cab has hot air coming through and no air locks are in the system.*

See pages **7-9** and **7-10** for the correct coolant specification and capacity.

For countries where antifreeze is not available view on page **7-5**.

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Hydraulics

Problem	Possible Cause	Correction
Hydraulic system does not operate	Error code will indicate source of malfunction.	See your authorised dealer.
	Hydraulics oil level very low.	Add oil, as required.
	Blocked hydraulic oil filter(s).	Replace oil filter(s).
Hydraulic oil overheats	Hydraulics oil level too low or too high.	Adjust oil level, as required.
	Hydraulics oil cooler blocked.	Clean.
	Blocked hydraulic oil filter(s).	Replace oil filter(s).
	Flow control incorrectly adjusted.	Allow to cool, adjust flow control before operating again.
	Hydraulic load not matched to tractor.	See your authorised dealer.
Remote control valve detent disengages prematurely	Detent release pressure set too low.	Adjust detent pressure or see your authorised dealer.
Remote equipment cylinder operates too fast or too slowly	Flow control incorrectly set.	Adjust flow control.
Remote equipment does not operate	Hoses not correctly connected.	Attach hoses correctly.
	Load exceeds system capacity.	Reduce load or use correct size cylinder (see your authorised dealer).
	Remote control valve lever movement restricted.	Adjust cables or see your authorised dealer.

Three-point hitch

Problem	Possible Cause	Correction
3- point hitch does not move when Hitch Position Control knob is moved	Error code will indicate source of malfunction.	See your authorised dealer.
	Hitch not in phase with the Position Control knob.	Put Position Control knob back in phase with lower links.
	Fast raise switch in external control position.	Put switch in correct position.
	Height limit control incorrectly positioned.	Adjust height limit control.
External power lift control does not operate	Fast raise switch not on external control position.	Centralise switch (external control position).
3- point hitch does not raise fully	Height limit control incorrectly positioned.	Adjust height limit control.
3- point hitch drops slowly	Drop rate control incorrectly positioned.	Adjust drop rate control.
3- point hitch slow to respond to draft loads	Position/ draft control incorrectly adjusted.	Adjust position/ draft control.
	Drop rate too slow.	Adjust drop rate control.
	Implement not functioning properly.	See implement operator's manual.
3- point hitch too responsive to draft loads	Position/ draft control incorrectly adjusted.	Adjust position/ draft control.
3- point hitch status light flashes continually	Position/ draft control incorrectly adjusted.	Adjust position/ draft control.

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