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.

W0401A

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.

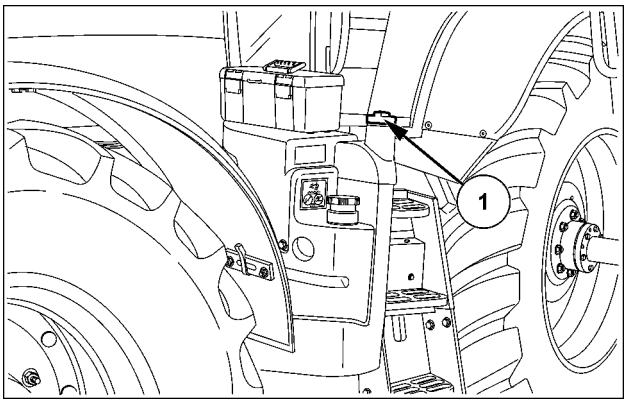
NOTE: *See your NEW HOLLAND dealer for replacement components and cleaning agents.*

See pages **7-10** and **7-11** 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.



SS10J012 1

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

3 - CONTROLS AND INSTRUMENTS

ACCESS TO OPERATOR'S PLATFORM

Introduction

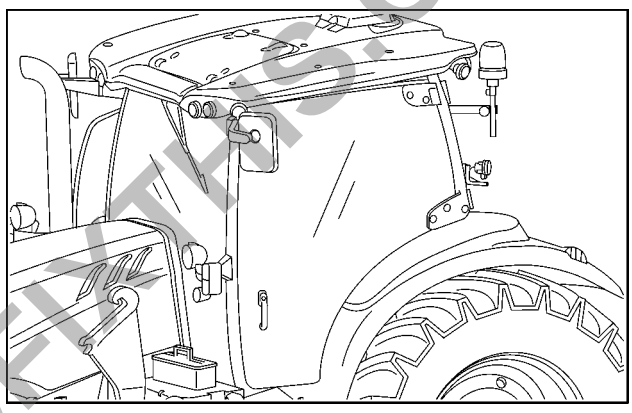
⚠ WARNING

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.



SVIL14TR00156AB 1

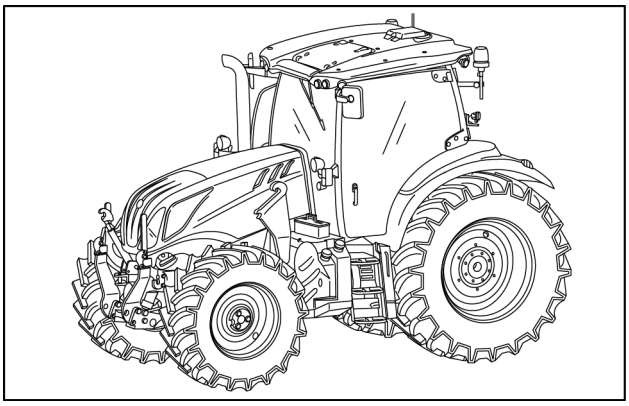
The cab features include a fresh air heater/defroster with recirculation, air conditioning, sun visor, tinted glass, interior light, auxiliary power socket, storage facilities, interior/exterior rear view mirrors and a choice of comfortable seats.

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.



SVIL14TR00156AA 2

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

MAINTENANCE CHART

Maintenance chart

Maintenance action	Replace	Drain fluid	Check	Cleaning	Grease	Adjust	Change fluid	Bleed	Charging	Page no.
WHEN THE WARNING LAMP LIGHTS										
Engine air cleaner	x									**7-15**
Fuel system water separator		x								**7-16**
Check the brake fluid level			x							**7-17**
EVERY 10 HOURS OR EACH DAY										
Coolant level check			x							**7-18**
Engine oil level			x							**7-19**
Remote valve collection bottle			x							**7-19**
Windscreen wash wipe			x							**7-20**
Air reservoir		x								**7-20**
FIRST 50 HOURS										
Service operations			x							**7-21**
EVERY 50 HOURS										
Cab air filters				x						**7-22**
Selective Catalytic Reduction (SCR) system				x						**7-24**
Clean the coolers				x						**7-25**
Grease fittings					x					**7-26**
Check the front and the rear wheel nuts			x							**7-33**
Tire inflation pressures			x							**7-33**
EVERY 100 HOURS										
Drive belts - check			x							**7-34**
Drive belts - check			x							**7-35**
EVERY 300 HOURS										
Battery fluid level			x							**7-36**
Transmission oil level			x							**7-38**
Handbrake					x					**7-39**
Front PTO oil level			x							**7-39**
Front axle oil - Four-Wheel Drive (4WD)			x							**7-40**
EVERY 600 HOURS										
Change engine oil and filter	x									**7-41**
Change the first stage fuel filter and the fuel filter element	x									**7-43**
Engine air precleaner	x									**7-45**
Hydraulic return and charge pump filters	x									**7-46**
Check the air intake system			x							**7-47**
Transmission			x							**7-48**
DEF/AdBlue® in-line filter				x						**7-48**
EVERY 1200 HOURS OR ANNUALLY										
Cab air filters	x									**7-49**
Change the hydraulic suction pump oil filter	x									**7-50**
Differential and planetary oil						x				**7-51**
Front hubs - 4WD						x				**7-52**
Front PTO change oil						x				**7-52**
Grease the rear axle shaft bearing					x					**7-53**
EVERY 1200 HOURS OR EVERY 2 YEARS										
DEF/AdBlue® filter	x									**7-54**
Change the engine air cleaner inner element	x									**7-55**

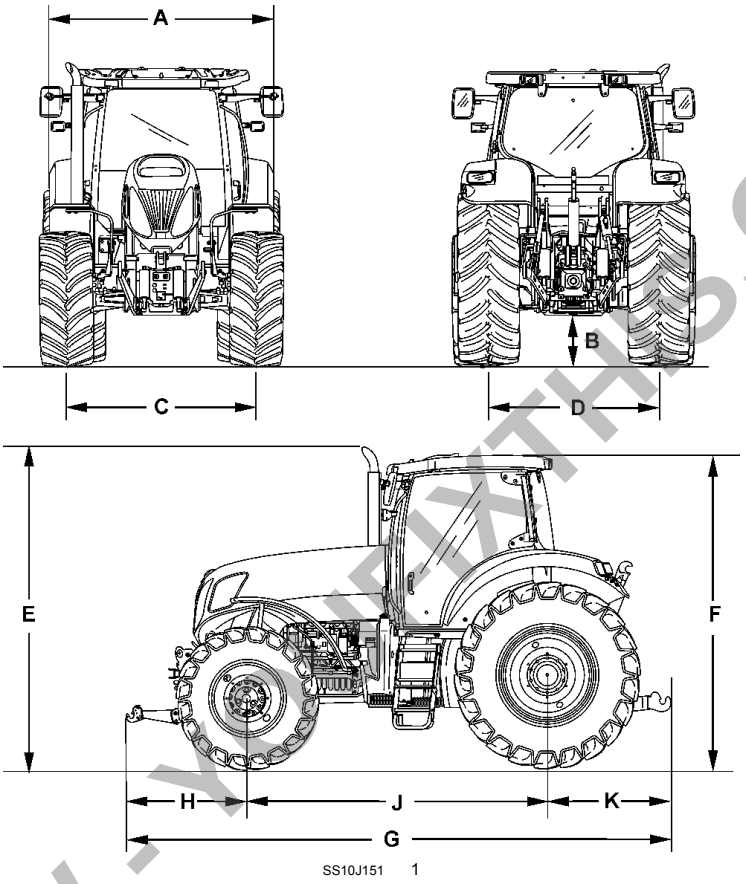
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

9 - SPECIFICATIONS

General dimensions

Frame - General specification



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 AC	T7.245 AC	T7.260 AC	T7.270 AC
Axles		Standard, Suspension, 4WD axles. SuperSteer			
The following dimensions are based on tractors with tyre sizes shown	Front	480/70R30			
	Rear	580/70R42			
Width of Vehicle					
A. Width across Narrow standard fender		**2158 mm** (**85.0 in**)			
A. Width across Wide fenders		**2334 mm** (**91.9 in**)			
A. Width across Wide fenders plus extensions **75 mm** (**3.0 in**)		**2484 mm** (**97.8 in**)			
A. Width across Wide fenders plus extensions **174 mm** (**6.9 in**)		**2682 mm** (**105.6 in**)			
General Dimensions					
B. Maximum ground clearance below front axle		**613 mm** (**24 in**)			
C. Front track setting	Adjustable rims	**1560 - 2258 mm** (**61.4 - 88.9 in**)			
NOTE: The fitting of dual wheels to the front axle is not recommended	Fixed rim	**1840 - 1980 mm** (**72.4 - 78.0 in**)			
D. Rear track setting with flange axles.	Adjustable rims	**1528 - 2236 mm** (**60.2 - 88.0 in**)			
NOTE: Rear track settings calculated with steel wheels.	Fixed rim	**1840 - 1926 mm** (**72.4 - 75.8 in**)			
D. With bar axle **2490 mm** (**98.0 in**)		**1870 - 2168 mm** (**73.6 - 85.4 in**)			

Download full manual at youfixthis.com

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:

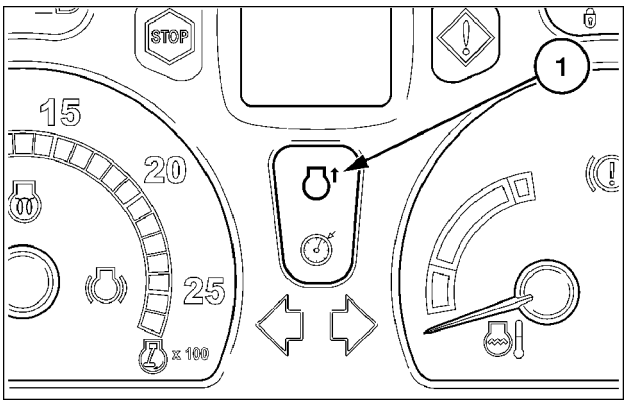
PTO fully engaged.
Tractor forward speed above **0.5 km/h** (**0.3 mph**).
PTO drive line output torque is above **112 Nm** at the engine shaft.
Engine coolant temperature below **105 °C** (**221 °F**)

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.



BRL6157B 1

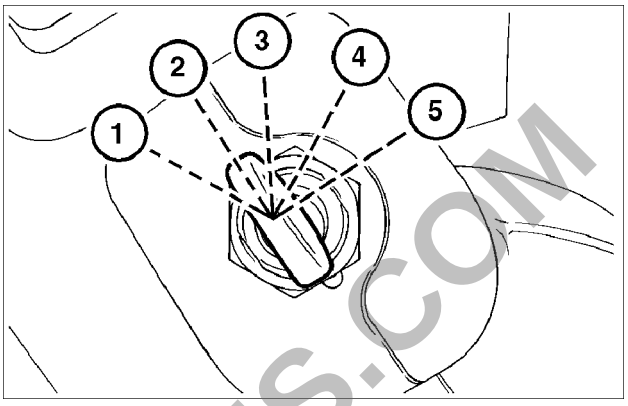
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

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.



BSE2673A 1

The key- start switch positions are as follows:

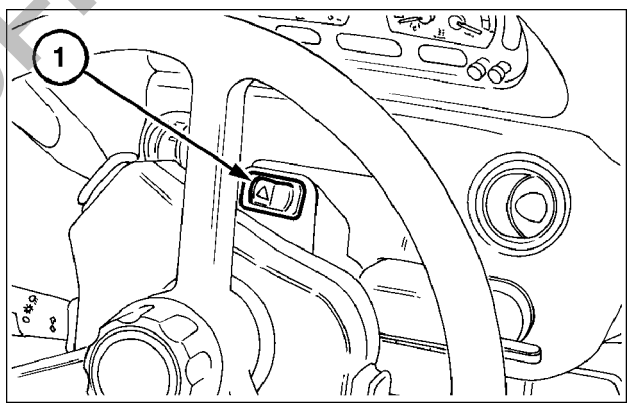
Position 1	Not used
Position 2	OFF
Position 3	Accessories ON
Position 4	Warning lights, instruments and Grid Heater ON
Position 5	Grid heater ON, Starter motor engaged

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 lights 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.



BSE3693A 1

PREVIEW - YOUFIXTHIS.COM

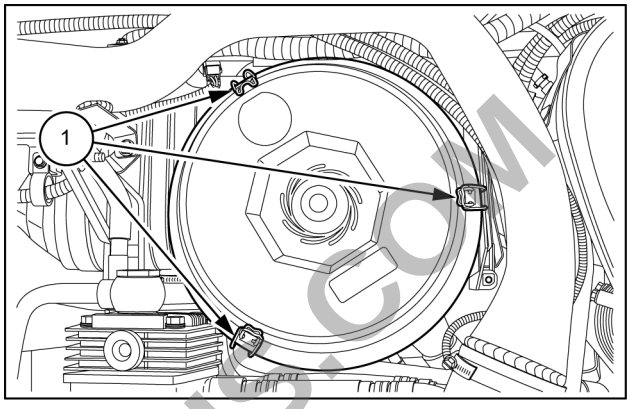
Download full manual at youfixthis.com

WHEN THE WARNING LAMP LIGHTS

Engine air cleaner

Replace the outer element when the restriction indicator symbol appears in the Dot Matrix Display or every 600 hours, whichever comes first. If the symbol appears, perform the replacement within one hour of operation.

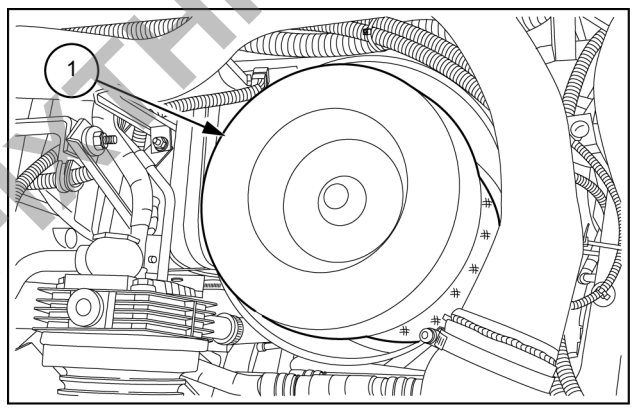
NOTICE: *Replace the outer element only when the restriction indicator symbol appears or at the recommended service intervals. Cleaning of the filter is not recommended.*



BAIL13TR01517AB 1

The dry air cleaner, which is located under the left- hand side of the hood, consists of an inner and outer paper element contained within an easily accessible housing. See Figure **1**.

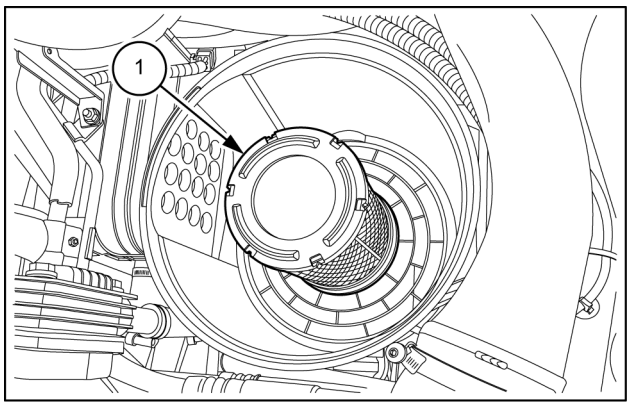
1. Unlatch the three retaining clips **(1)** Fig. **1**, and lift off the air cleaner assembly cover.
2. Remove the outer element **(1)** from the air cleaner assembly by gently twisting the end of the filter clockwise to disengage the seal. Then pull the filter straight out of the housing, not at an angle, ensuring the inner element remains in place.



BAIL13TR01518AB 2

NOTICE: *Do not disturb or remove the inner element.*

3. Examine the inside of the outer element. If dust is present, the outer element is defective and must be replaced. The inner element **(1)** should also be replaced at this time.
4. Ensure the inner element **(1)** is located correctly in the air cleaner assembly before installing the outer element. Refit the end cover and securely latch the three retaining clips.



BAIL13TR01519AB 3

If the restriction indicator light continues to illuminate the inner element may need replacing.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Engine

Model		T7.230 AC	T7.245 AC	T7.260 AC	T7.270 AC
Engine data					
Rated Power — Unboosted	Hp	180	200	220	240
Peak Power — Unboosted	Hp	200	220	240	260
Rated Power — Unboosted	kW	132.4	147.1	161.8	176.5
Peak Power — Unboosted	kW	147.1	161.8	176.5	191.2
Peak Torque — Unboosted	Nm	840	930	1000	1100
Torque @ **1000 RPM** — Unboosted	Nm	740	830	900	1000
Torque backup — Unboosted	%	46	46	42	44
Rated Power — Boosted	Hp	205	225	240	260
Peak Power — Boosted	Hp	225	245	260	270
Rated Power — Boosted	kW	150.7	165.4	176.5	191.2
Peak Power — Boosted	kW	165.4	180.1	191.2	198.5
Peak Torque — Boosted	Nm	940	1035	1100	1160
Torque @ **1000 RPM** — Boosted	Nm	830	900	950	1000
Torque backup — Boosted	%	44	44	44	40
Cylinders		6 Cylinder			
Valves		4 Per cylinder			
Aspiration		Turbocharged and air to air intercooled			
Bore		**104 mm** (**4.1 in**)			
Stroke		**132 mm** (**5.2 in**)			
Displacement		**6728 cm³** (**410.6 in³**)			
Compression ratio		16.5 : 1			
Firing order		1-5-3-6-2-4			
Rated engine speed		2200 engine RPM			
Peak power speed		1800 engine RPM			
Peak Torque speed		1500 engine RPM			
Idle speed		850 +/- 50 engine RPM			
Maximum no load speed		2375 engine RPM			
Valve tappet clearance	Inlet	**0.25 mm** (**0.0098 in**)			
	Exhaust	**0.51 mm** (**0.0201 in**)			
Fuel system					
Type		Electronically controlled, high pressure common rail			
Cooling system					
Type		Pressurised with full flow bypass and recovery tank			
Vistronic fan (where fitted)		9 Blades diameter **620 mm** (**24.4 in**)			
Reversible fan (where fitted)		9 Blades diameter **620 mm** (**24.4 in**)			
Thermostat starts to open		**81 °C** (**177.8 °F**)			
Thermostat fully open		**96 °C** (**204.8 °F**)			
Radiator pressure cap		**1 bar** (**14.5 psi**)			
Air cleaner system					
Type		3 stage paper element			
Spin tube pre cleaner		Standard			
Front power take off (P.T.O) output					
Maximum		**96.9 kW** (**132 Hp**)			

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Contents

1 GENERAL INFORMATION

Metric and imperial units abbreviations 1-1
To the owner 1-3
Operator's manual storage 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
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 2-11
Burn prevention 2-17
Prevention of fire or explosions 2-18
Fire extinguisher 2-19
Protection offered by the tractor 2-20
Hazardous substances 2-23
Emergency exit 2-24
Wheel chocks 2-25
Intended use statement 2-26
Passenger's seat 2-28
Safety aspects 2-29

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
Cab air pressurisation control (where fitted) 3-9

OPERATOR'S SEAT

Operator's seat 3-10

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

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.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Indicator and warning lights 3-62
Displays 3-64
Keypad enhanced 3-67
Selecting or changing the display settings 3-69
Ground speed calibration 3-70
Performance monitor 3-73
Armrest color display 3-78
Pop-up screens on color display 3-79
Performance monitor on color display 3-84
Programming the displays 3-89
Alarm functions 3-92
Accessing stored error codes 3-94
Selective Catalytic Reduction (SCR) exhaust treatment - Overview 3-95
Warning and advisory symbols 3-104
Warning and advisory symbols 3-117

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) 4-5
Fuel heater (where fitted) 4-5
Coolant immersion heater (where fitted) 4-6
Transmission oil heater (where fitted) 4-7
Boosting the battery 4-8

STOPPING THE UNIT
Stopping the engine 4-9
Automatic engine shut down 4-9
Automatic engine shut down with enhanced keypad (where fitted) 4-10

MOVING THE UNIT
Operating in cold temperatures 4-11
Low idle speed management 4-14
Reversible engine fan 4-15

5 TRANSPORT OPERATIONS

PREPARING FOR ROAD TRANSPORT
Carrying the tractor on a transporter 5-1
Secure the high visibility roof panel 5-1

RECOVERY TRANSPORT
Freeing a stuck tractor 5-2

PREVIEW - YOUFIXTHIS.COM

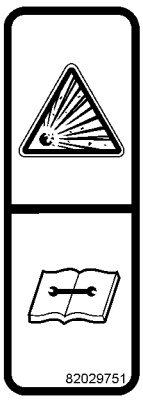
Download full manual at youfixthis.com

9. Location: Hydraulic accumulator/s

WARNING
Explosion hazard!
High pressure hydraulic/gas accumulator. Follow service manual instructions for removal or repair.
Failure to comply could result in death or serious injury.

NOTE: *The number and position of the hydraulic accumulators may change according to tractor specification.*

Part number 82029751



SS10J045 10

10. Location: Rear of both fenders

WARNING
Avoid injury!
Activate the external hydraulic control switches only while standing to the side of the machine (outboard of the tires).
DO NOT stand on or near the implement or between the implement and machine.
Failure to comply could result in death or serious injury.

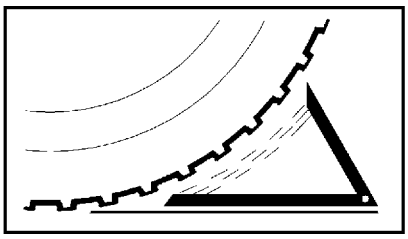
Part number 84269906



SS10J022 11

11. Location: Wheel chock

WARNING
Unexpected machine movement!
When parking on a slope, push a wheel chock in front of or behind one wheel.
Failure to comply could result in death or serious injury.

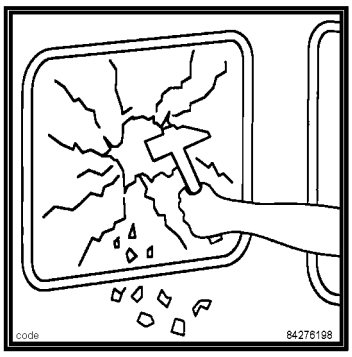


SS10D293 12

12. Location: Left-hand side door

The decal identifies the location and operation of the hammer.

Part number 84276198



SS10J046 13

PREVIEW - YOUFIXTHIS.COM

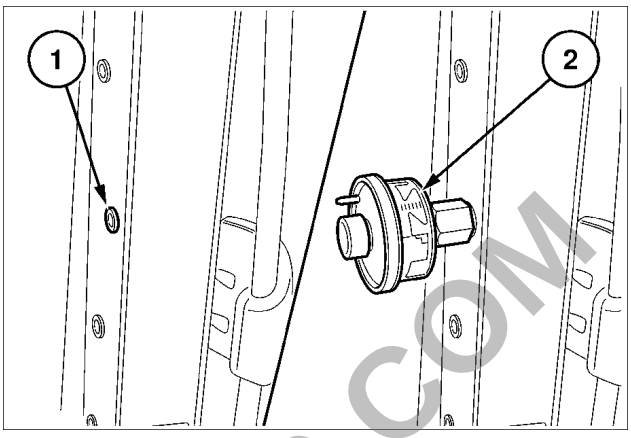
Download full manual at youfixthis.com

Cab air pressurisation control (where fitted)

To help reduce the amount of dust and chemical vapours entering the cab, the blower can be used to raise the air pressure inside the cab above that of the external air pressure. Ensure all cab apertures are fully closed. To monitor the internal pressure, a gauge can be mounted on the right- hand cab 'A' pillar.

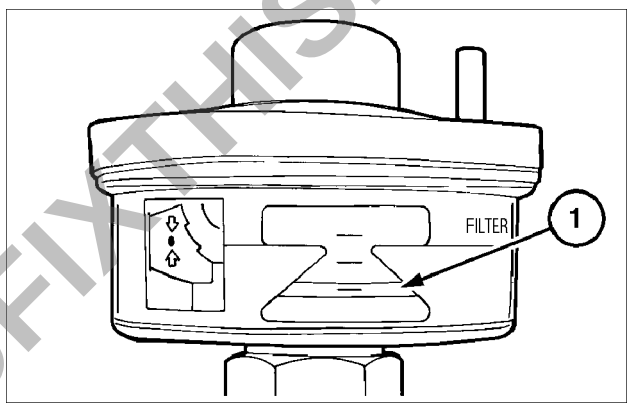
The pressurisation gauge should be used in conjunction with external carbon air filters. A kit is available from your authorised dealer which includes all the necessary parts and fitting instructions.

A threaded mounting point **(1)** is pre- installed on the 'A' pillar, remove the blanking plug and screw in the gauge.



BRH3401C 1

Observe the reading on the pressure gauge. If the lower edge **(1)** of the yellow indicator centres in the green area you have an adequate differential between the internal and external air pressure. Adjust the blower speed to maintain that reading. If the yellow indicator rises into the red area, increase blower speed to raise the internal cab pressure.



BSE3623A 2

⚠ WARNING

Inhalation hazard!
If the lower edge of the yellow indicator enters the red area of the gauge, perform the checks below.
Failure to comply could result in death or serious injury.

W0381A

With the blower in the off position the yellow indicator should move into the red area. If the indicator does not register correctly, the gauge should be replaced.

If the blower is unable to maintain the correct pressure inside the cab then the following checks should be made to determine the cause.

1. Check blower is on maximum speed.

NOTE: *If Automatic Temperature Control is activated it may be necessary to switch to manual control to increase blower speed.*

2. Ensure all doors, windows and roof panel are fully closed.
3. Check external air filters for blockage or restriction.
4. Examine all cab aperture seals for damage.
5. Check sealing around linkages and levers where they pass through the cab panels.

If, after all the checks have been made the cab interior pressure cannot be maintained, consult your authorised dealer.

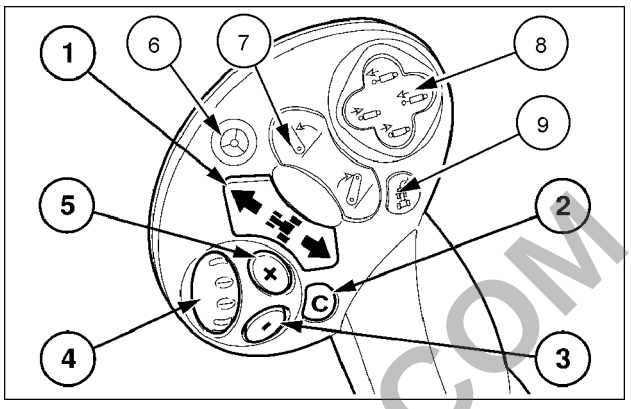
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Multi function handle

The AutoCommand Multifunction handle allows one handed operation of several tractor functions, all of which are explained in full detail as you read through the manual.

1. Transmission shuttle switch
2. Cruise mode
3. Speed range selector low
4. Speed range thumb wheel
5. Speed range selector high
6. Autoguidance engagement (where fitted)
7. Hitch raise lower
8. Remote cylinder selection
9. Headland turn (where fitted).



BRL6073D 1

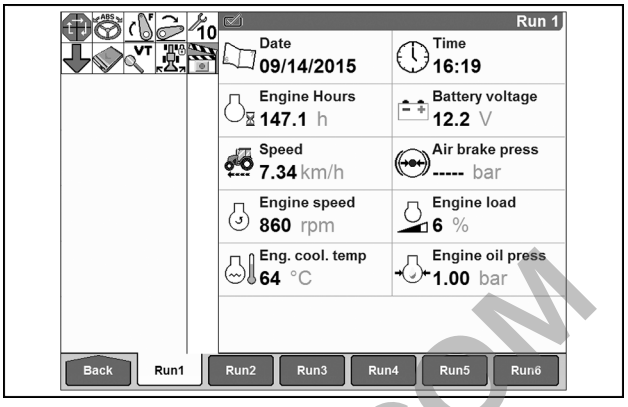
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Run screens

A number of Run screens are available to the operator in which tractor operating information can be displayed.

Each screen can be constructed by the operator in respect to the number of information displays, and their content.

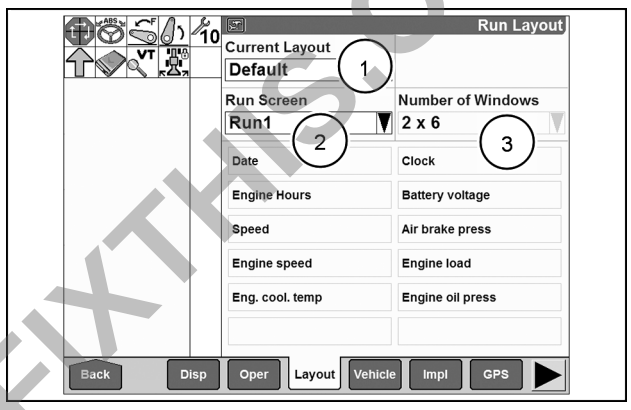


SVIL15TR02328AA 7

☞ Toolbox

☞ Layout

With the Run Layout screen displayed, the operator can recall, edit and construct new screens. In the upper part of the screen there are three basic setup displays, Current Layout, Run Screen and Number of Windows.



SVIL15TR02329AA 8

1. ☞ Current Layout
   Select, edit or create a new name for a run screen by using the popup menu.
2. ☞ Run Screen
   Select the number of the screen to be displayed.
3. ☞ Number of Windows
   Select the number of 'windows' to be displayed in the run screen. This can vary from 1 column x 4 'windows' to 2 columns x 6 'windows'.

☞ Information Window

A popup menu providing a large selection of headings can be accessed by touching the relevant 'window'. Touch the appropriate heading and it will be transferred to the display 'window'.

Run screen 1

- Date
- Time
- Engine hours in h
- Battery status in V
- Speed in km/h
- Air brake pressure in bar
- Engine speed in rpm
- Engine load in%
- Engine coolant temperature in °C
- Engine oil pressure in bar

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Boosting the battery

⚠ WARNING

Eye injury hazard!
Wear eye protection when jump-starting the machine and when charging the battery.
Failure to comply could result in death or serious injury.

W0382A

If it is necessary to use jump leads (booster cables) to start the tractor, use only heavy duty leads. Proceed as follows:

The positive terminal **(1)** mounts on the starter solenoid and is protected by an insulated cover **(2)**.

The negative terminal **(3)** attaches to the upper mounting bolt of the starter.

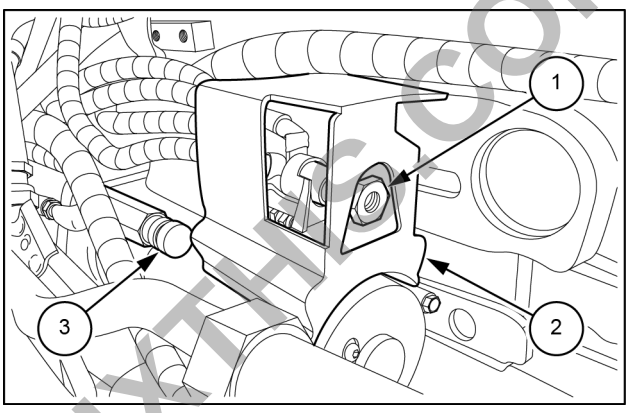
Connect one end of red jump lead to the positive (+) remote jump terminal **(1)** and the other end to the positive (+) terminal of the auxiliary battery.

Connect one end of black jump lead to the negative (-) remote jump terminal **(2)** and the other end to negative (-) terminal of auxiliary battery. Follow the starting procedure as described earlier in this section.

When the engine starts allow it to run at idle speed, turn on all electrical equipment (lights, etc.) then disconnect the jump leads in the reverse order to the connecting procedure. This will help protect the alternator from possible damage due to extreme load changes.

Turn off all electrical equipment and run the tractor engine until the battery is fully charged.

NOTICE: *When using an auxiliary battery to start the engine, ensure that the polarity of the jump leads is correct - positive to positive, negative to negative, otherwise the alternator may be damaged. Only use an auxiliary battery if the tractor batteries are discharged. Excessive amperage (above 1600 cca) may damage the starting motor. When the battery discharged several times in a short period, contact your authorized dealer.*



BAIL13TR01731AC 1

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Deleting a sequence with color display

Select from the main menu screen:

☞ Data management

☞ Delete

☞ ▼ on the Data Type box.

A Pop- up screen will appear providing a choice of data type to be edited. Touch Sequence, to access the Delete screen.

Touch the down arrows on the right of the 'Sequence' box and a drop down menu listing all saved sequences will appear. All sequences will have a X to the left of the number/ description.

☞ None to clear all X's then use the ▲▼ arrows to scroll through the list until the appropriate sequence appears.

Touch the box to the left of the sequence and X will appear in the box. Touch Enter and the sequence number/ description will appear in the sequence box.

☞ Delete to clear the sequence. Another pop- up will appear asking to Confirm Delete, touch Yes and the sequence will be deleted from the memory.

In the case where more than one sequence is to be deleted, a figure in the box will show the total number of sequences to be deleted, touch Yes to delete all.



BAIL14TR00173AA 1



BAIL14TR00175AA 2

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Automatic mode

Automode is typically used for transport applications where the automated functions will help to provide optimum tractor performance at all times.

In Auto mode, tractor speed is controlled by the foot pedal **(2)** or travel lever **(1)**. The hand throttle **(3)** is used to set the minimum engine speed.

Movement of the foot pedal or travel lever are in direct relation to the target speed for each range. Fully depressing the pedal or moving the lever the full extent of its travel will provide a **100 %** of target speed for the current range.

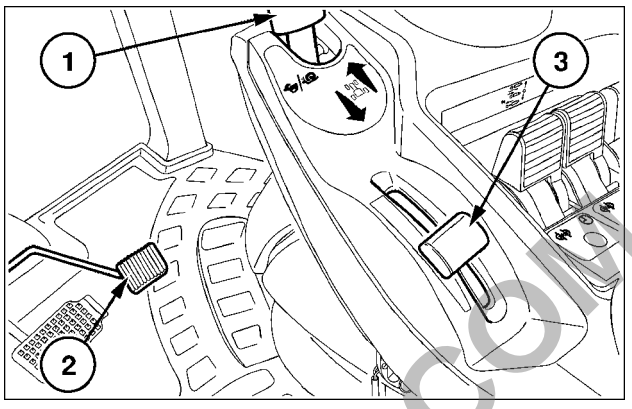
During operation, the Auto Command transmission will always try to optimise engine speed within the constraints of the hand throttle setting. To achieve this, Auto Command will vary the transmission ratio in order to maintain both wheel speed and engine r.p.m. as close as possible to the set levels.

In Auto mode, it is possible to set the speed in range F1 (or F2 and F3) to the maximum permitted speed of the tractor. This will provide a totally automated transmission speed function based on the position of the foot pedal or travel lever.

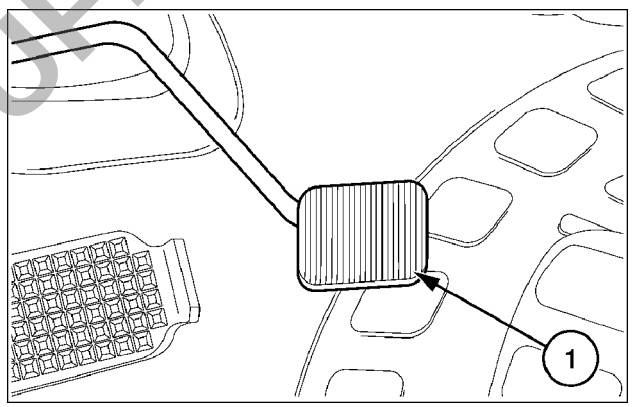
Foot pedal travel **(1)** is divided into two operating zones. From rest (pedal up) to the mid point of pedal travel (**50 %** of target speed), the pedal acts as an accelerator/ decelerator in the normal way.

When the pedal is depressed beyond mid point the tractor will continue to accelerate as the pedal is depressed. When the desired speed has been reached the pedal can be eased back to the mid point, this will reduce engine r.p.m. but maintain tractor speed.

Providing the pedal is not allowed to return beyond mid point then tractor speed will remain constant. If pedal is allowed to return above the mid point then the tractor will begin to decelerate.



BRL6127C 1



BRJ4898B 2

PREVIEW - YOUFIXTHIS.COM

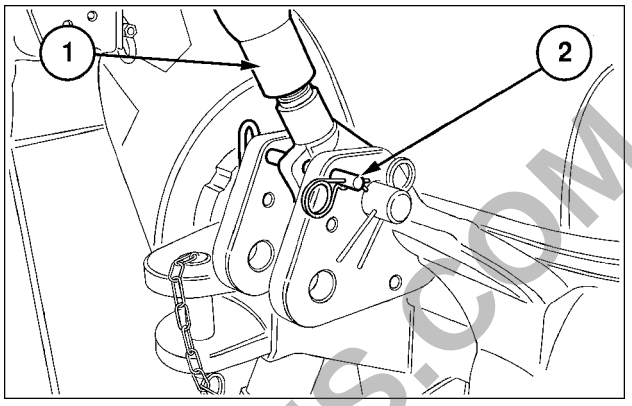
Download full manual at youfixthis.com

FRONT HITCH

Settings and adjustments

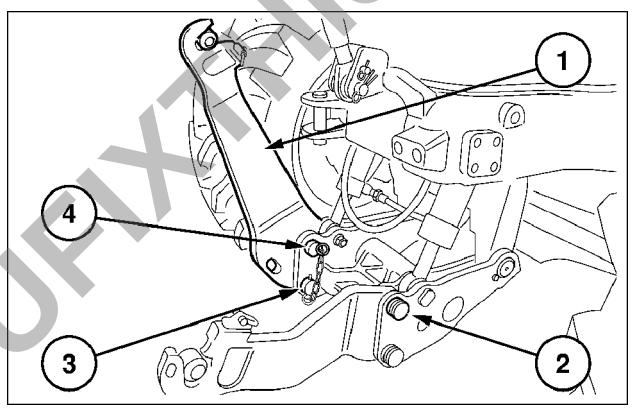
Transport Position

The top link and lower links should be placed in the transport position when not in use. Raise the top link **(1)** to the vertical position and secure by sliding the locking pin, **(2)**, through the hitch bracket and top link lower bracket hole, secure in position with the locking pins.



BRH3269B 1

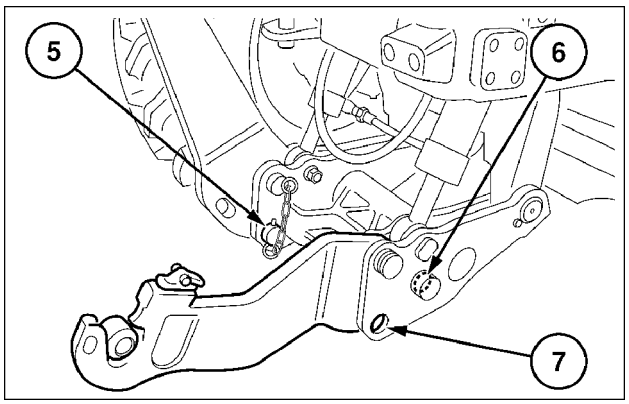
The lower links pivot about the pin **(2)**. This pin should not be removed unless it is required to remove the lower links. To raise the lower link, extract the pin **(3)** from the support assembly and raise the link **(1)** to the vertical position, as shown. Re insert the pin through the support when the holes in the lower link and support are correctly aligned **(4)**. Before operating the tractor ensure both pins are fully secured using the lock pins.



BRH3294B 2

.

To convert to the working position, remove the pin **(5)** and manually lower the link down to the operating position, as shown. Re-install the pin in one of the holes **(6)** or **(7)**, as required and secure. When installed in the rear hole **(6)**, the lower link will be locked as a rigid unit. If the pin is installed in the front hole **(7)**, the lower link will be allowed to move up and down freely (float) through a range of approx. **75 mm** (**3.0 in**). Secure the pin using the lock pins. Repeat on the other lower link, ensuring that both lower links are set up the same, i.e., both are locked as rigid units or both are allowed to float..



BRH3293B 3

PREVIEW - YOUFIXTHIS.COM

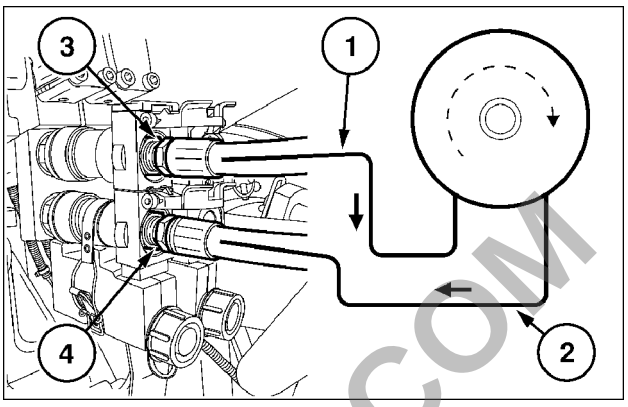
Download full manual at youfixthis.com

Operating with remote valves

Operating continuous flow hydraulic equipment

NOTICE: *When operating continuous flow equipment, the remote control valve lever must not be moved rearward to the neutral* ***(N)*** *or raise* ***(R)*** *positions as damage to the equipment may result. Always select the motor mode function when operating with hydraulic motors.*

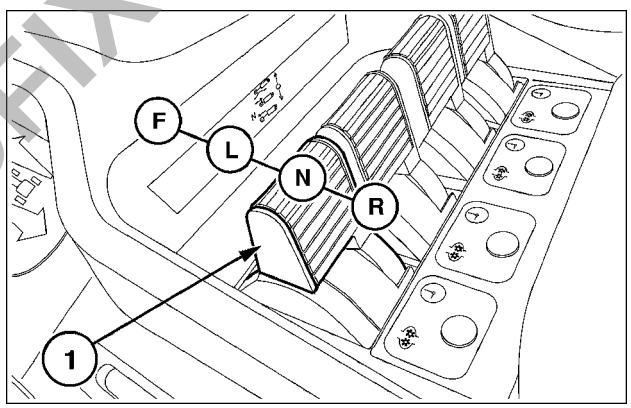
Continuous flow hydraulic equipment (e.g. hydraulic motors) should be connected to the valve couplers with the pressure hose **(1)** connected to the upper coupler **(3)** and the return hose **(2)** connected to the lower coupler **(4)** of the same valve. Alternatively, the return hose may connected to the low pressure return circuit (see page **6-160** , 'Return Oil Line').



BRK5842B 1

The oil flow should be adjusted to regulate the motor speed. If the flow is too high, the three-point hitch and other remote valves may slow down or stop. Controlling the flow in this way will ensure that the hydraulic system will only supply the oil required by the motor.

With the remote control valve lever fully forward in the float **(F)** position, the motor will be stationary. The hydraulic motor will operate if the lever is pulled back to the retract position **(L)**. To stop the motor, move the lever from the lower position to the float position. In the float position the motor will be able to stop slowly, which will not damage the motor.



BRL6126B 2

Observe the following to further protect the tractor and equipment.

- Do not open any bypass valve in the equipment or motor. Adjust the oil flow through the valve to regulate the rate of flow or speed of the motor.
- To ensure optimum hydraulic oil cooling, operate continuous flow equipment at the highest flow setting and lowest engine speed that will give the required machine performance and speed.
- It is recommended that a temperature gauge, where available, is installed in the remote circuit when using hydraulic motors for continuous operation. If over- heating occurs, stop the hydraulic motor until the oil cools. Ensure the flow control setting is at maximum and the engine speed at a minimum, appropriate to machine performance.

If operating conditions are normal and high temperatures persist, install an oil cooler in the motor return circuit. The maximum recommended operating temperature of the oil is **125 °C** (**257 °F**). Your authorized dealer can supply a suitable oil cooler and the necessary fittings or make the installation for you.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Automatic pickup hitch

NOTE: *Depending on the day of manufacturing your tractor may be equipped with the automatic pickup hitch on page* ***6-186*** *.*

⚠ WARNING

Overturning hazard!
The operator must know the correct OPERATING LOAD capacity of the machine before attempting to operate the machine. Always follow the recommended load limits.
Failure to comply could result in death or serious injury.

W0216A

The automatic pickup hitch is connected to the lift arms on the three-point hitch linkage by means of lifting rods.

The pickup hitch is fully self-supporting when locked in the operating (raised) position.

The pickup hitch is equipped with interchangeable hook and clevis drawbar. An interchangeable drawbar with K80 ball is available as an dealer installed accessory.

Two types of pickup hitches are available form the factory:

- Automatic pickup hitch drop down type
- Automatic pickup hitch push back type.

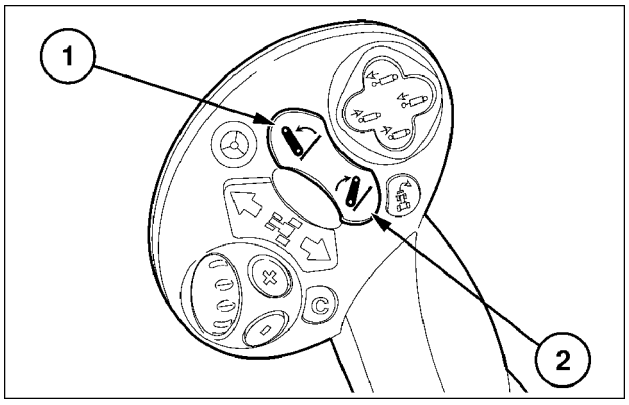
The drop down type is operated by the release lever for the locking pin and by the three-point hitch to raise and lower the pickup hitch.

The push back type works in the same way as the drop down type. In addition, it is possible to extend and retract the hook. This improves the visibility of the hook from the operator's seat and makes hook up easier.

Attaching an implement (described is the procedure with a push back type)

To attach equipment to the pickup hitch, proceed as follows:

Press the switch **(1)** to raise the three-point hitch to its highest position. The three-point hitch is supporting the weight of the implement drawbar.



BRL6073K 1

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

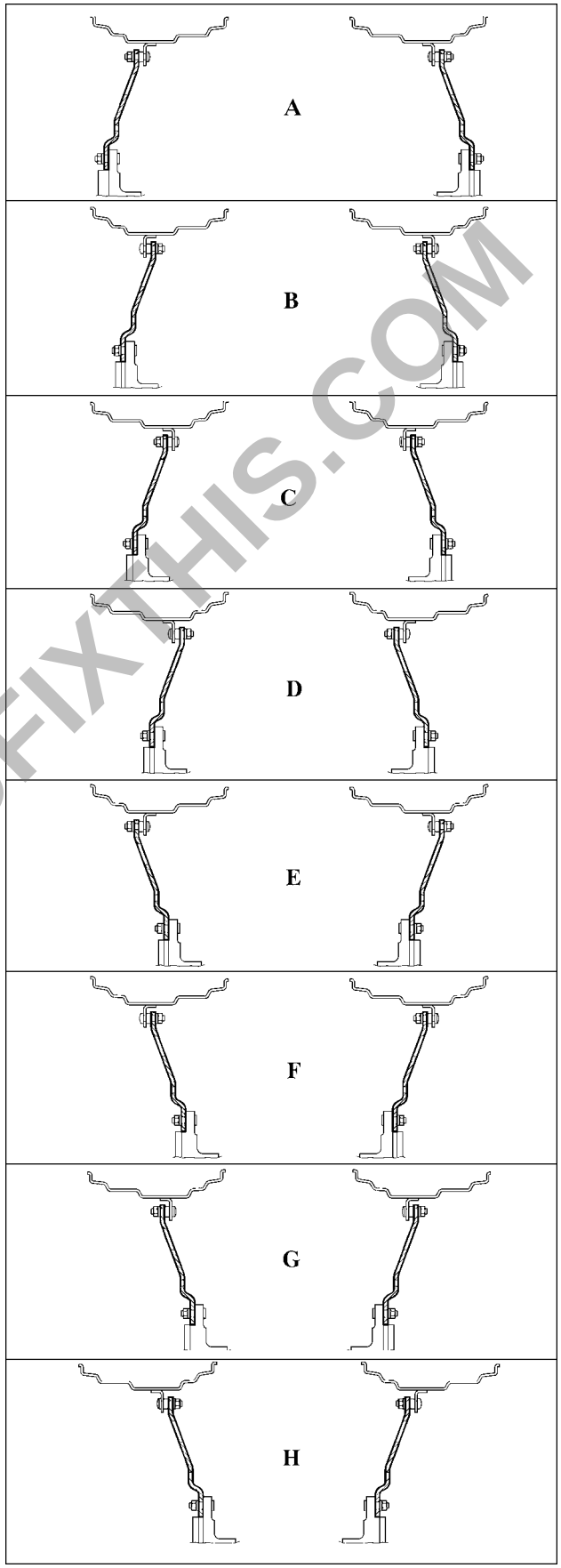
with 119" bar axle and adjustable wheels

Wheel setting	Disc types 1 and 2 on page 6-214
A	**1550 - 2220 mm (61.0 - 87.4 in)**
B	**1650 - 2320 mm (64.9 - 91.3 in)**
C	**1754 - 2424 mm (69.0 - 95.4 in)**
D	**1854 - 2524 mm (72.9 - 99.3 in)**
E	**1950 - 2620 mm (76.7 - 103.1 in)**
F	**2050 - 2720 mm (80.7 - 107.0 in)**
G	**2154 - 2824 mm (84.8 - 111.1 in)**
H	**2254 - 2924 mm (88.7 - 115.1 in)**

with 119" bar axle and fixed wheels

Wheel setting	Disc type 3 on page 6-214
A	**1860 - 2530 mm (73.2 - 99.6 in)**
H	**1994 - 2614 mm (76.5 - 102.9 in)**

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



SS10D217 8

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

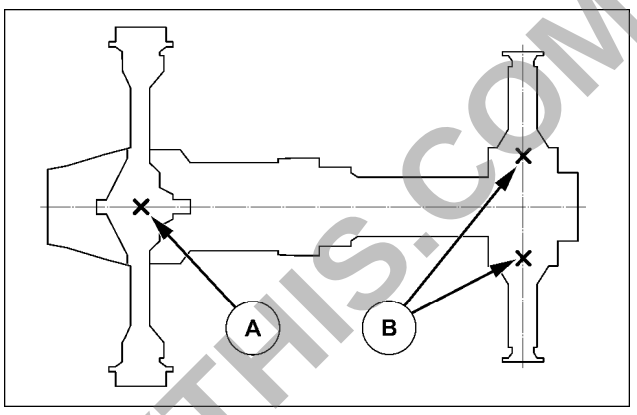
Tractor jacking points

⚠ WARNING

Crushing hazard!
Unit could fall if not properly supported. Follow jacking instructions provided for the unit. Use suitable jack stands. Be sure to position them properly.
Failure to comply could result in death or serious injury.

W0919A

It is advised to lift the machine by placing one jack stand **(A)** under the front axle support and two jack stands **(B)** under the rear axle left and right. Ensure that front axle is blocked.



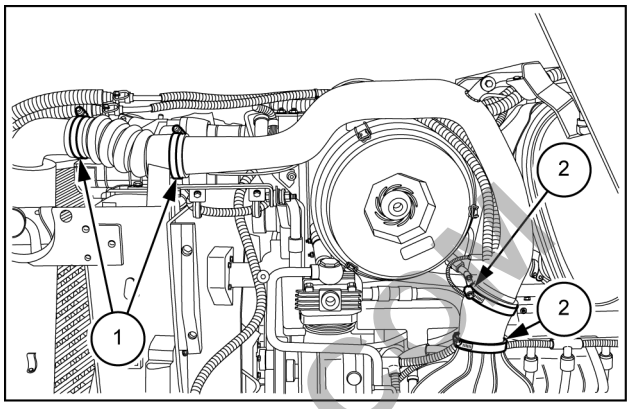
SS11M213 1

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

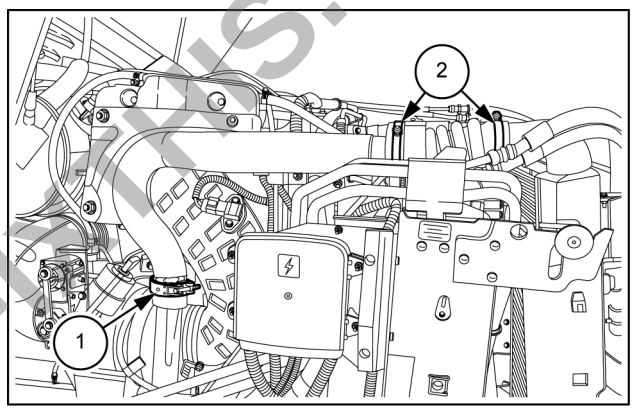
Check the air intake system

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.



BAIL13TR01528AB 1

From the right-hand side of the engine, check the turbocharger to intercooler at points **(1)** and **(2)**. Do not overtighten.
It is essential that the clean air side of the air in take filtration system is sealing correctly at the connections **(3)**.



BAIL13TR01529AB 2

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

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 **7-62** . 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.

Removing the machine from 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

After extended storage, prepare the tractor for further use, as follows:

- Inflate the tyres to the correct pressure and lower the tractor to the ground.
- Refill the fuel tank(s).
- Check the radiator coolant level.
- Check all oil levels.
- Install fully charged batteries.
- Remove the exhaust pipe covering.
- Start the engine and check that all instruments and controls are functioning correctly. Using the tractor hydraulic system in Position Control, fully raise the 3- point hitch and remove the supports.
- Check operation of heating and air conditioning systems (where fitted).
- Drive the tractor without a load to ensure that it is operating satisfactorily.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 25 of 590 pages

The full manual includes:

- All 590 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

New Holland T7.230, T7.245, T7.260, T7.270 Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual