CALIFORNIA

Proposition 65 Warning

WARNING: Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer, birth defects and other reproductive harm. **Wash hands after handling.**

6400 series tractors

Models 6465-6475-6480 Dyna-6

AGCO S.A. - Beauvais - France - RC B562 104 539
MASSEY FERGUSON is a worldwide brand of AGCO

May 2010
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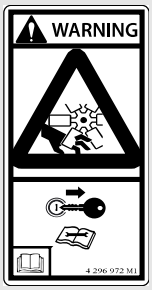
6400 - NA
English

1. Tractor identification

	– **4296945M1** ((A) *fig. 1*) – **WARNING:** Entanglement hazard in belt drives. Keep hands clear of rotating parts and belts while engine is running. Switch off the ignition and remove the key before working on the tractor.
	– **4296972M1** ((B) *fig. 1*) – **WARNING:** Shearing hazard – engine fan. Keep your hands away from the fan and the belts when the engine is running. Shut off engine and remove key before performing maintenance or repair work.
	– **4296968M1** ((C) *fig. 1*) – **WARNING:** Burn hazard – hot surfaces. Keep away from hot engine components when engine has been running. Shut off engine, remove key, and wait for system to cool before performing maintenance or repair work.
	– **4296953M1** ((D) *fig. 1*) – **WARNING:** Pinch point hazard Keep clear of axle suspension system when engine is running. Switch off the ignition and remove the key before working on the tractor.
	– **4296986M1** ((E) *fig. 1*) – **WARNING:** Pinch point hazard due to moving parts Keep hands clear of linkage when pivoting coolers
	– **4298646M1** ((F) *fig. 1*) – **WARNING:** Scalding hazard – high pressure steam or hot water. Shut off engine, remove key, and wait for the system to cool before removing the radiator cap. Remove the filler cap with extreme care.

2.7 Specific safety instructions for using the tractor

2.7.1 General instructions

T000875

- Tractors and implements are not toys. Always comply with the conditions of use defined by the manufacturers.
- Never exceed the tractor total permissible weight.
- Always consider the way in which the tractor is to be used and the fact that the center of gravity of the tractor/implement assembly changes according to the load being transported or towed.
- **WARNING: An unbalanced tractor could overturn and cause serious injury or death. Ensure that front frame counterweights, wheel weights and wheel ballasts are used as recommended by the manufacturer. Do not add extra counterweights to compensate for an overloaded tractor; the load must be reduced instead.**

  Check to ensure that the tractor is correctly balanced.
- Check that the PTO output speed is in keeping with the implement PTO input speed.
- Keep all parts of your body inside the safety zone defined by the cab or by the protective structure for platform tractors.
- Operate the controls smoothly — do not jerk the steering wheel or other controls.
- Always operate the controls from the operator's seat.
- Keep a firm grip on the steering wheel at all times, with your thumbs clear of the spokes when driving the tractor.
- Operate the tractor smoothly — avoid jerky turns, starts or stops.
- Do not turn at high speed.
- Avoid driving close to ditches and banks.
- Avoid taking slopes that are too steep.
- Reduce speed when negotiating turns and slopes and on rough, slippery or muddy surfaces.
- Carefully observe the areas surrounding the route.
- Ensure you have adequate clearance in all directions for the tractor and the implement.
- When using chemicals, follow the chemical manufacturer's instructions for use, storage and disposal carefully.
- Adapt the tractor speed according to visibility, weather conditions and the type of terrain.
- **WARNING:**
  If a part breaks, loosens or does not operate correctly:
  - **stop work**
  - **turn off the engine**
  - **check the machine and make the necessary adjustments and repairs before resuming work.**

- **DANGER: Do not attempt to unplug the hydraulic connections or adjust an implement with the engine running or the PTO in operation. To do so may result in serious injury or death.**

2.9 Protective structures

2.9.1 Protective structures: use and accreditation

T000935

The protective structures (cab, ROPS, seat belts) limit injuries as far as possible in case of an accident or if the tractor overturns.
They meet all applicable standards for agricultural tractors.

2.9.2 Cab or ROPS (depending on model)

T000936

- The cab and ROPS have been designed to be suitable for this tractor series.
- Never weld parts onto the cab or ROPS.
- Never bend or straighten the cab or ROPS.
- Never drill or modify the cab or ROPS to fit accessories or implements.
  If other controls or displays have to be fitted in the operator's area, contact your Massey Ferguson dealer to find out what to do.
- Do not attach chains or ropes to the cab or to the ROPS in order to pull or tow anything.
- If the cab or the ROPS has been removed, refit it and tighten the fixings to the specified torque before using the tractor again.
- **WARNING: A cab or ROPS damaged as a result of an accident, overturning or other incident must be replaced before using the tractor again.**

2.9.3 Seat belt

T000934

- Wearing the seat belt is an important part of this protection.
- Always wear the seat belt adjusted correctly.

WARNING: A damaged seat belt must be replaced before using the tractor again.

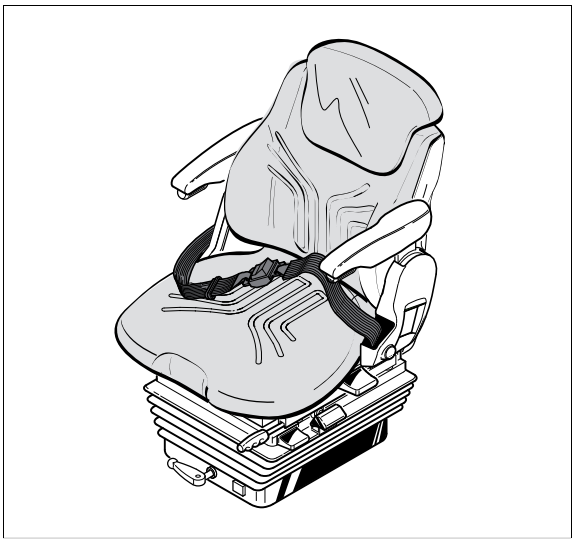


Fig. 1. I002857

Indicator light panel

Indicator lights for functions in use

(1) Front power take-off (orange)
(2) Front axle suspension indicator light (if option fitted) (green)
(3) High-pressure transmission oil filter blockage indicator light (yellow)
(4) Four-wheel drive indicator light (green)
(5) Differential lock indicator light (orange)
(6) Power take-off engaged (orange)

Green and orange indicator lights display and monitor the functioning of attachments.

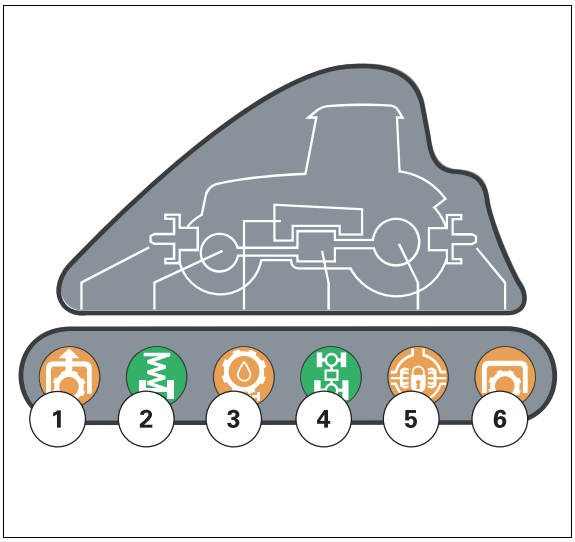


Fig. 3. I005349

Warning and hand brake indicator lights

(1) Auxiliary hydraulics oil temperature indicator light (red)
(2) 15-micron auxiliary hydraulics oil filter blockage indicator light (orange)
(3) Parking brake indicator light (red)
(4) Grid Heater indicator light (red).
(5) Intake air temperature indicator light (red) This indicator light comes on when the ignition key is in "auxiliary" position. It goes out when the engine starts. If the indicator light comes on when the engine is running, stop the engine and investigate the cause of the problem immediately.
(6) Air filter blockage indicator light (orange)

Red indicator lights signal problems of varying importance. They light up when the ignition key is turned in the start switch and usually go out once the engine is running. If they light up during normal engine operation, stop the engine immediately and investigate the cause of the failure.

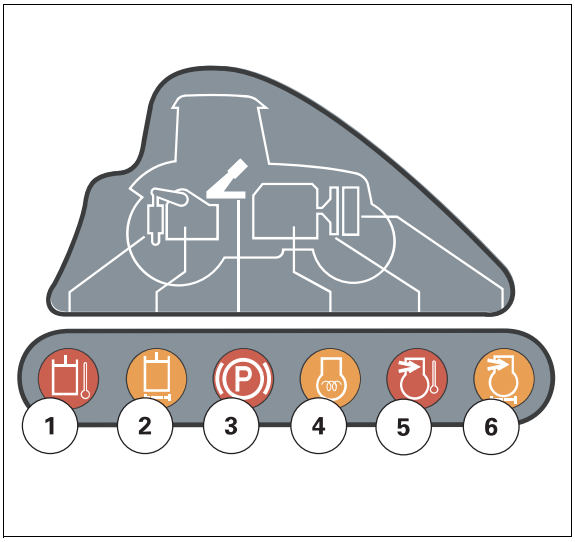


Fig. 4. I005350

3.1.10 Work lights modules

T001670

(1) Work lights/digital clock/temperature sensor control module and indicator lights. Work lights: Press button(s) 2 to 7 to operate the desired function(s). The corresponding indicator light will illuminate.
(2) Front work lights
(3) Work lights on steps and hand rails and/or accessories power socket on front linkage.
(4) Work lights on fenders and hand rails.
(5) Rotary beacon
(6) Work lights at rear of roof
(7) Work lights on front of roof
(8) Digital clock and temperature sensor
- Press button A to select and change the time or temperature display.
- Changing the time: Press button B or C to select the information (hr or min) to be changed.
- Temperature control: Press button A to select the outside temperature display. To change from °Celsius to °Fahrenheit, press button A for approximately 5 seconds.

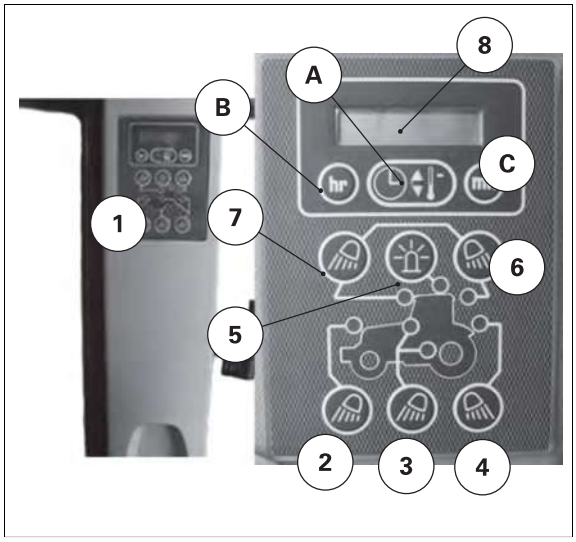


Fig. 21. I012100

3.1.11 Left-hand console

T001541

(1) Cigarette lighter socket.
(2) Electrical control for adjusting external rear view mirrors (optional).
(3) Rear windshield wiper
(4) External rear-view mirror defrosting control (optional).

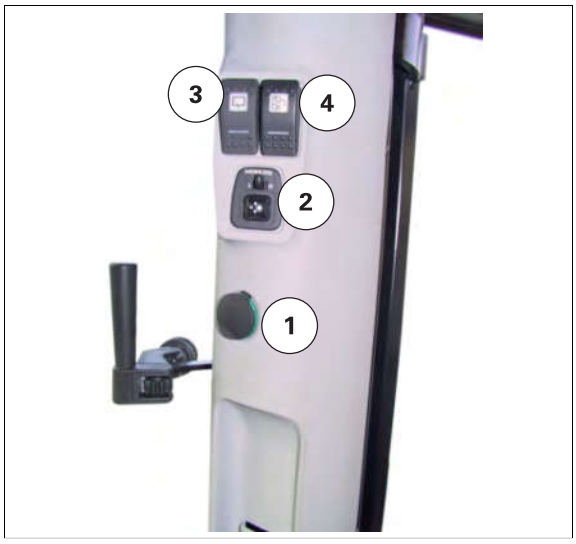


Fig. 22. I005358

Electrical connector for connecting monitoring screens, control units, and other accessories (34).

Maximum available power:
- Terminal 1 "+" permanent (30 Amp)
- Terminal 2 "+" ignition on (5 Amp)
- Terminal 3 earth

NOTE: *A female plug (P/N 1714005) which connects to this power socket is available from your dealer.*

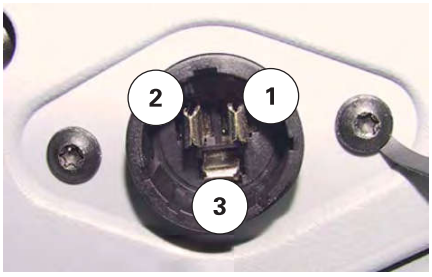


Fig. 38. I005472

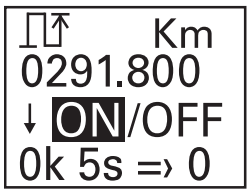
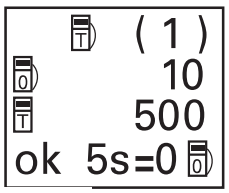
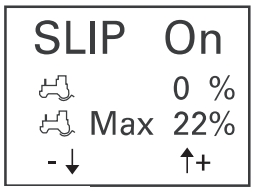
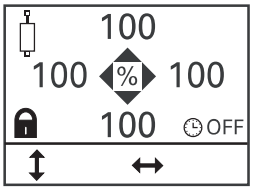
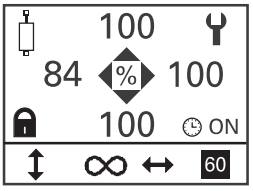
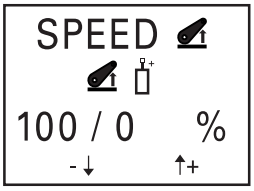
3.1.15 Sun visor

T000950

1. To adjust the sun visor, pull down vertically to desired position.
2. To raise the sun visor, pull the cord (2).

Fig. 39. I003367

3

Screens	Access	Function
	→ To display from the previous screen OK Press for 5 seconds to reset the distance to zero ↓ To display and change the status of the counter ON = active, distance in reverse video OFF = inactive, distance in normal video	**Distance screen** Displays the distance travelled
	→ To display from the previous screen OK Press for 5 seconds to reset to zero	**Fuel consumption screen** Indicates fuel used: 0 Amount of fuel used since the last reset. T: Total fuel used. This value cannot be changed or reset to zero.
	→ To display from the previous screen OK Press to enter the settings menu. The symbol appears. ↑ ↓ To modify the required wheel slip percentage value ESC Used to exit the settings menu	**Wheel slip screen (optional)** Used to adjust maximum permissible wheel slip and display current wheel slip.
	→ To display from the previous screen OK Press to enter the menus. → To select one of the displayed flow rate values or timing ↑ ↓ To change displayed flow rate values	**Joystick settings menu (1/2) (if Datatronic 3 is not installed)** This menu is used to adjust the flow rate values of each spool valve controlled by the joystick. If the joystick is locked (padlock displayed on screen) press the blue ON/OFF button near the PTO control.
	→ Once timing has been selected, the type of timing can be displayed (value or infinite) ↑ ↓ To adjust the timing value ESC Used to exit the settings menu and to validate the settings	**Joystick settings menu (2/2) (if Datatronic 3 is not installed)** This menu is used to activate or deactivate timing and can be set from 0 to 60 seconds or to infinite mode.
	→ To display from the previous screen ↑ ↓ To modify the flow rate distribution to the linkage or spool valves	**Linkage and spool valves menu** This menu is used to give priority to the auxiliary spool valves over the linkage and vice versa. Maximum linkage value: 100 Minimum spool valve value: 0 Minimum linkage value: 1 Maximum spool valve value: 99

3.5 Transmission

3.5.1 General information about the Dyna-6 transmission

T001676

The Dyna-6transmission provides 6 ratios Dyna-6(A to F) plus 4 mechanical ranges (1 to 4) without declutching. The speed shift mechanism is completely robotic and is controlled electrohydraulically by the tractor's electronic system.
The operator may choose to control speed changes manually or automatically. Information on the transmission status is displayed on the digital screens on the instrument panel.

3.5.2 Start-up

T001677

Start the engine.

- When the hand brake is engaged, the symbol "P" and preselected Dyna-6 ratio is permanently displayed on the right-hand digital screen.
- With the reverse shuttle lever in neutral position and the hand brake released, the digital display shows one of two possible displays:
  - If the front and rear preselected speeds are identical, "N" and the preselected ratio flash alternately (example N, 2D, N, 2D, etc.)
  - If the front and rear preselected speeds are different, the two selected ratios flash alternately (example F, 2D, R, 2A, F, 2D, etc.)

3.5.3 Selecting speeds

T001678

Driving

IMPORTANT: *When the shuttle lever (8) fig. 1 is in forward or reverse position, the tractor moves at the preselected speed stored during the last setting operation.*

Fast selection in automatic mode

1. With the engine stopped or running, position the selector switch (1) in AutoDrive mode on the ROAD side (trailer).
2. Declutch and move the shuttle lever (8) in the required direction, then release the clutch pedal, and the tractor should start to move.
3. Shifting the ratios (A to F) and range (1 to 4): In this mode, speed ratios and ranges shift automatically. The corresponding information is displayed on the digital display on the right-hand side of the instrument panel *see §3.2.3*.

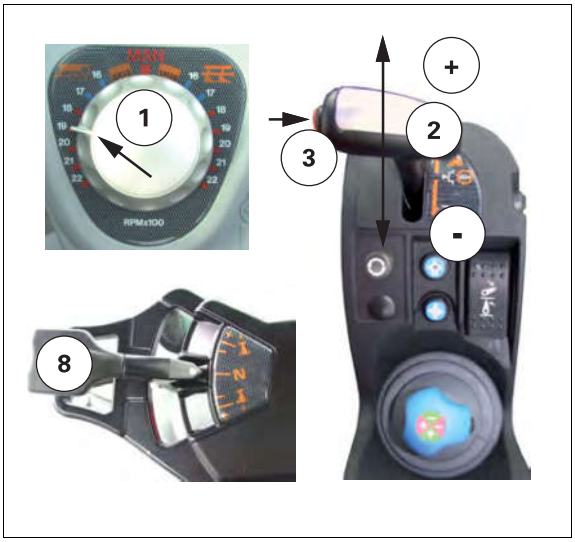


Fig. 1. I005490

Option to change the basic preselection of forward/reverse speeds

WARNING: Regardless of whether the tractor is moving or stationary, the procedure to change the basic preselected forward and reverse ratios set in our workshops is the same.

If the forward and reverse preselected speeds are the same:

1. With the engine running, press and hold down the clutch pedal in declutched position.
2. Move the shuttle lever to the forward position.

Connection:

1. Remove the plastic cover and check for contamination. Clean if necessary.
2. Connect the trailer hose to the union located at the rear of the tractor.
3. After disconnecting, refit the cover to prevent any possible clogging and damage to the contact faces.

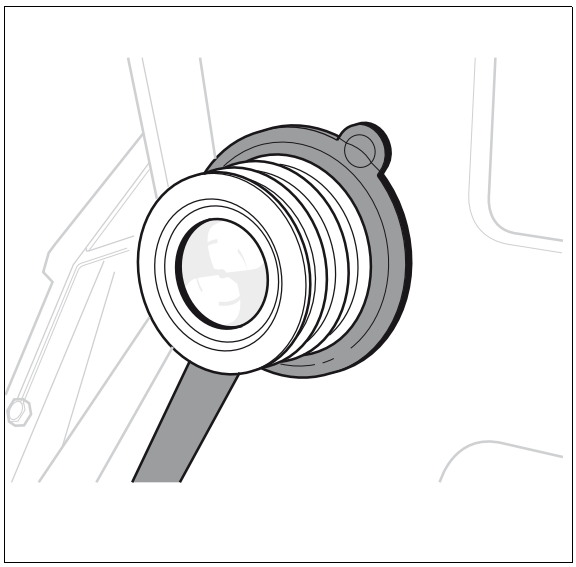


Fig. 2. I017130

3.6.3 Pneumatic trailer brake

T003406

WARNING: Before activating the trailer brake, lock the brake pedals together *see §3.6.1*.

Identification of coupling heads:

Black	5,6 bar (81 psi) max. to 0 bar (0 psi), used in a single brake line (as used on older trailers).
Red	8 bar (116 psi) max., brake assistance line, used for dual braking (as used on new trailers).
Yellow	0 bar (0 psi) to 8 bar (116 psi) max., used in a double brake line (as used on new trailers).

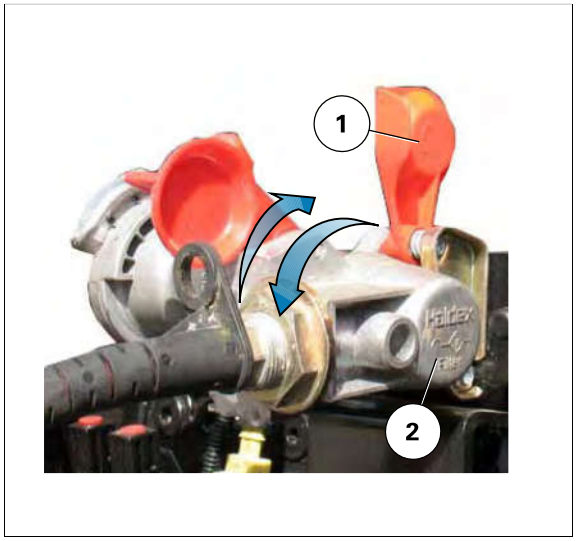


Fig. 3. I017088

Pressure available depending on type of braking

Brake pedals/hand brake not used	Full braking with brake pedal or hand brake lever	Color of coupling heads
4,8 bar (70 psi) to 5,6 bar (81 psi)	0	Black
6,5 bar (94 psi) to 8 bar (116 psi)	6,5 bar (94 psi) to 8 bar (116 psi)	Red
0	6,5 bar (94 psi) to 8 bar (116 psi)	Yellow

Selecting the power take-off speed

1. To be able to engage the PTO, it is first necessary to select the 540, 540E, or 1000 rpm speed using the corresponding levers (3). The indicator light (6) flashes on the instrument panel and the display appears on the right-hand digital display. The PTO is disengaged when the lever is moved to the neutral position **N**.

IMPORTANT: *To avoid damaging implements driven by the PTO, the engine speeds in the table below must be complied with.*		
Selected PTO speed	**Display**	**Maximum engine speed**
540 rpm	540	2090 rpm
540 E rpm	ECO	1600 rpm
1000 rpm	1000 rpm	2030 rpm

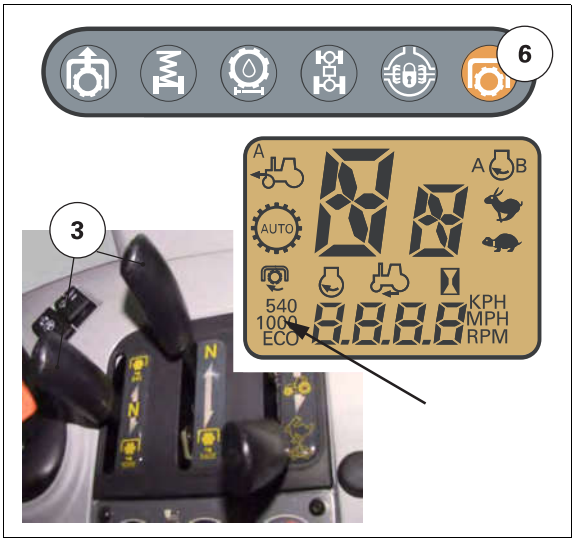


Fig. 5. I005394

Engaging PTO in manual mode:

NOTE: *If no speed has been preselected when the PTO is activated, it is deactivated after a short pause and a warning message appears on the screen.*

3-position switch (3):
(A) ON
(B) OFF
(C) PTO brake

1. Select ON position on the switch (3) to engage the PTO.
2. When the indicator light (6) flashes on the instrument panel, press the control button (ON/OFF (2)) twice consecutively.
3. The PTO engaged indicator light (6) stops flashing and remains lit permanently. An engaged symbol appears simultaneously on the digital display (D).
4. To stop the PTO, press the control button (ON/OFF (2)) again.
   The clutch engaging process depends on the length of time the push button is pressed down.
   - Less than 5 seconds
     Progressive start-up, the PTO clutch automatically adapts to the conditions required to start the implement.
   - More than 5 seconds
     The speed controls and default values are deleted.

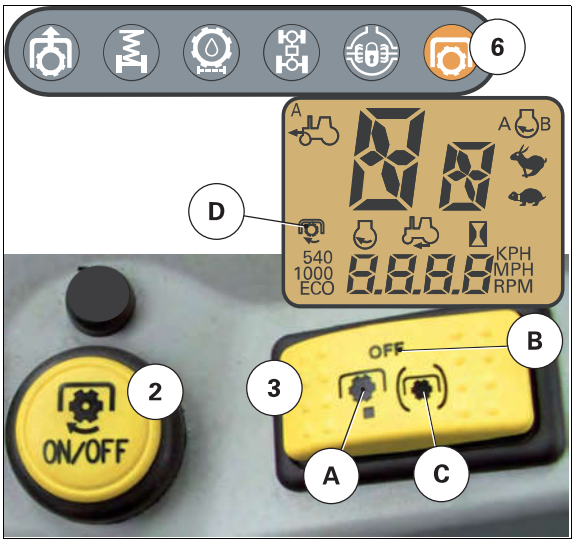


Fig. 6. I012826

3.11.5 Front linkage: Driving on the road

T001569

Controlling the active transport control system

This makes driving with raised implements more comfortable. It cannot be used for field work. Implement height cannot be adjusted when the transport control system is operating.

To switch on the transport control system, lift the implement, leaving 40 mm (1.6 in) to 50 mm (2.0 in) of cylinder travel to allow the transport control system to operate (release).

WARNING: The valves must be in the "active transport control system" position (see decal) to deactivate the spool valve action and prevent accidental lowering of the implement.

3.11.6 Rear linkage: Electronic controls

T001585

Fig. 6.

I005406

(A)	Height/depth control knob	(E)	Lift/Lower selector switch with "neutral" position.
(B)	Function selector: position/intermix/draft	(F)	Active transport control system button
(C)	Maximum linkage height adjustment control	(G)	Linkage lowering indicator light
(D)	Manual or automatic adjustment of lowering speed	(H)	Linkage lifting indicator light
		(I)	Console locking and operating failure self-diagnostic indicator light

Linkage arm adjustment procedure

Adjusting the linkage arms

1. Install authorized lower links
2. Adjust lift rods to the required length.
3. Adjust the travel of the rods along the linkage arms
4. Start the engine.
5. Place the linkage arms in the low position
6. Fully screw in the stabilizers (maximum oscillation)

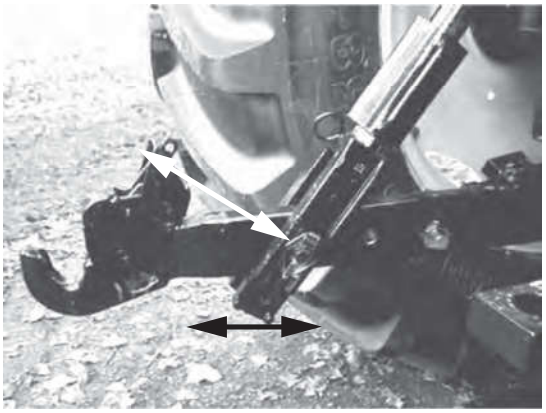


Fig. 5. I005424

Procedure to adjust stabilizers with oscillation possible in transport position

1. Position the stabilizers on the supports according to the reference (1) *fig. 4*
2. Raise the linkage to transport position
3. Turn off engine.
4. Unscrew the stabilizers to obtain the required oscillation

Fig. 6. I005425

Example of an assembly with an implement not fitted with the load sensor

(1) Direct outlet pressure + LS load signal
(2) Rear axle return
(3) Control unit on the implement (solenoid valves)

CAUTION: In this example of an assembly, the pressure is at maximum. This will therefore cause major overheating of the oil.

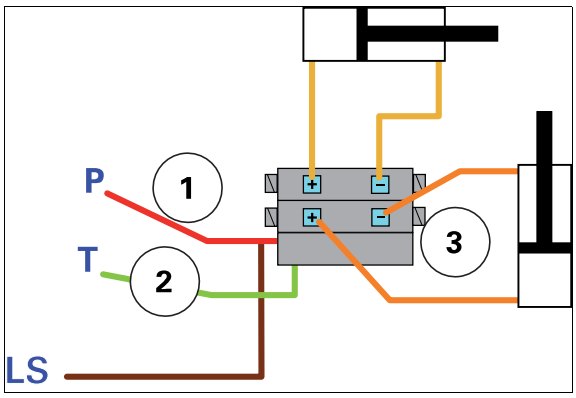


Fig. 12. I005702

Example of an assembly with a hydraulic motor and a flow rate control valve

(1) Direct outlet pressure
(2) Rear axle return
(3) Connection to the load signal (LS)
(4) Valve and flow rate control valve

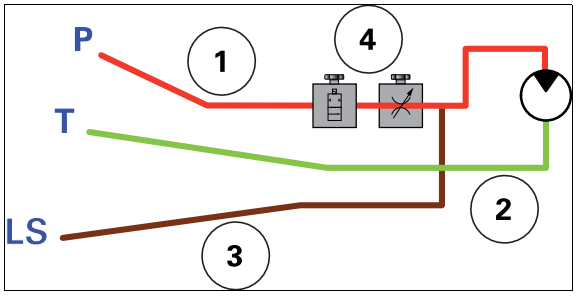


Fig. 13. I005703

3.13.6 Locking/unlocking hydraulic spool valve controls

T001605

Using the external controls

Tractors fitted with Datatronic 3

NOTE: *If the tractor is not fitted with Datatronic 3, the flow rate, storage, and unlocking buttons are fitted to the armrest.*

The red indicator light for the button (1) is lit and the locking icons are displayed on the Datatronic 3 (2) and (3) .*fig. 15*

Fig. 14. I005761

Front-end loader functions Dot Matrix screen

This screen allows the following functions to be viewed or activated:

- 3rd function locking
- Speed reduction
- Arm suspension
- 3rd function continuous power supply
- Automatic bucket mode
- Locking/unlocking accessories

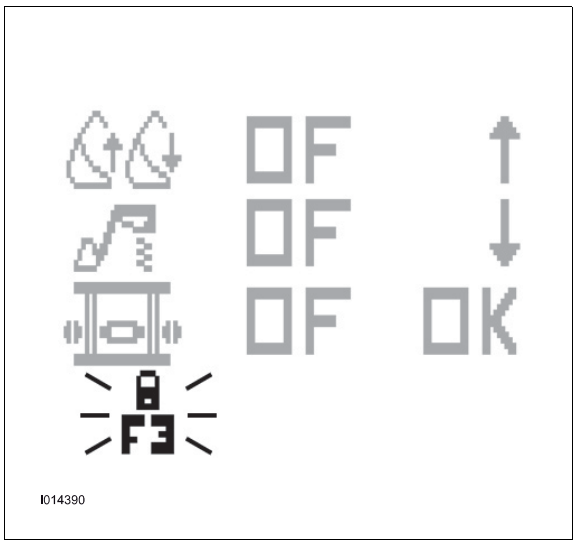


Fig. 5. I014390

3.14.3 Using the front-end loader controls

T006054

Activating the front-end loader

1. **IMPORTANT:** *The tractor hydraulics must be deactivated to use the loader. The red indicator light located in the center of button (1) fig. 2 should be on.*

   To activate control of the front-end loader with the joystick, press the button as shown by (1).
   The red indicator light on the button lights up.

2. To stop control of the front-end loader with the joystick, press the button as shown by (2).
   The red indicator light on the button goes out.

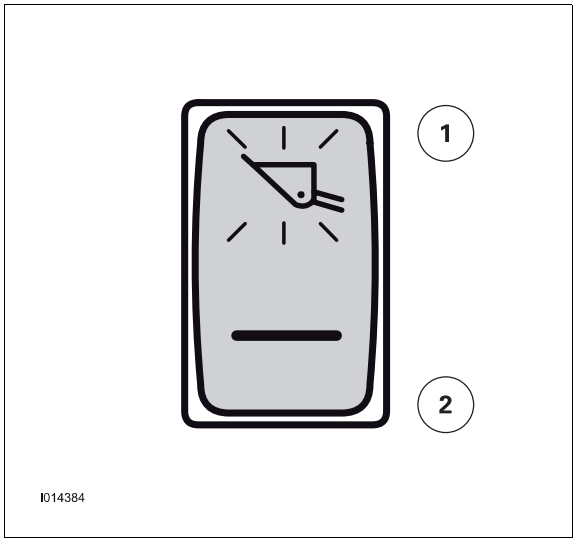


Fig. 6. I014384

1. Go to the corresponding DOT Matrix screen

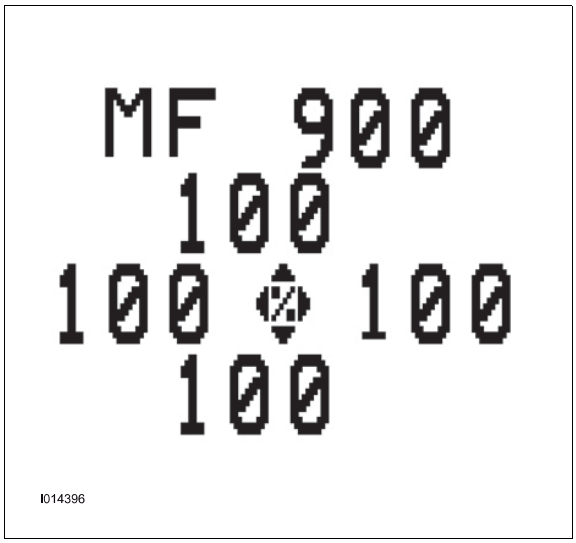


Fig. 21. I014396

2. Press on the control keypad. The engine symbol (1) appears on the DOT Matrix screen.
   When this function is active and the engine speed is idling, using the joystick for the loader will increase the engine speed in order to increase the speed of loader movements.
   Engine speed increase values:
   - Lowering the loader arms: engine speed + 0 rpm
   - Lifting the loader arms: engine speed + 700 rpm
   - Dumping/digging: engine speed + 300 rpm
3. To cancel this function, press on the control keypad. The engine symbol (1) disappears from the DOT Matrix screen.

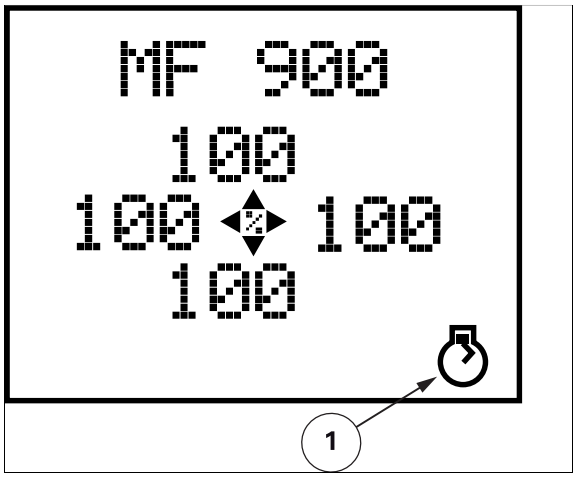


Fig. 22. I022154

WARNING: When preparing a calcium chloride solution for ballasting the tractor tires with water, NEVER pour the water onto the calcium chloride as this may produce chlorine, which is a toxic and explosive gas. This can be avoided by slowly adding calcium chloride flakes to the water and stirring until they are dissolved.

Tires without inner tubes (tubeless):
Use a monoethylene glycol-based liquid containing corrosion inhibiting agents other than nitrites (Na No2). Example: Agrilest, Castrol, Lestagel, Igol, etc.

3.15.11 Changing wheel positions

T003623

Adjustment of wheel position on the shaft (single half-tapered hub)

CAUTION: Never grease the taper faces before moving the wheels because the weights may break apart when tightening the torque.

NOTE: *If the hub does not slide freely, a wedge or chisel can be inserted in the slot to open the hub.*

CAUTION: Stay at a safe distance from the hub for this operation because the tool may fly out suddenly.

Procedure

1. Raise the rear of the tractor to lift the wheels from the ground and carefully chock the vehicle.
2. Loosen the screws (1) of the half-tapered hubs by approximately three turns.
3. Remove the 4 screws (2) and fit into the holes (3).
4. Tighten them alternately until the half-tapered hubs are free of the fixed hub.
5. Refit the screws (3) in their original holes and then retighten the 6 screws, taking care to align the two half tapers.
6. Tighten the screws alternately to the correct torque on each half-taper.

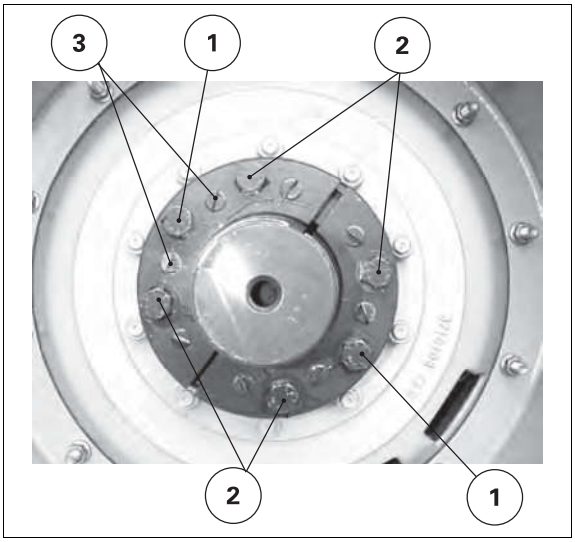


Fig. 9. I005763

4.2.3 Air-conditioning system: dryer

T001826

Frequency

Replace the dryer every 1200 hours (consult your dealer).

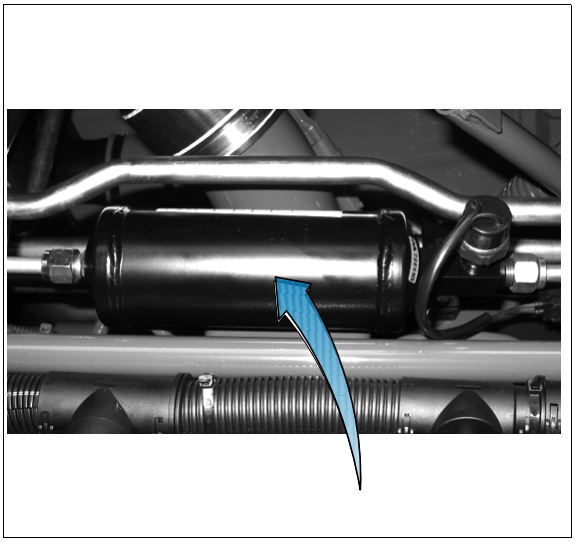


Fig. 2. I020124

4.2.4 Cab air filter

T001571

Frequency

Clean the cab air filter every 400 hours, or more frequently, if necessary.
Change the cab filter every 1200 hours.

Procedure

WARNING: The air filter element does not provide protection from chemical products. Please ask your dealer for information concerning the availability of the specific particle filter.

1. To gain access to the cab air filter, open the hatch on the left-hand side of the cab roof.
2. Turn the handle and lift out the filter element.
3. Clean the filter by blowing it with compressed air.
4. Before refitting the filter, wipe out the compartment with a damp cloth to remove dust.

Fig. 3. I005508

4.3.12 Air filter

T005130

Cleaning and replacement: Frequency

Main filter

– Clean the main filter (2) *fig. 8* if the blockage indicator light comes on, or on a daily basis if using in dusty conditions.
– Replace the main filter after the blockage indicator light has lit up five times, once a year, or every 1200 hours.

Secondary filter

– Clean the secondary filter after the main filter has been cleaned five times.
– Replace the secondary filter (3) *fig. 9* after it has been cleaned five times, once a year, or every 1200 hours.

Cleaning and replacement of the main filter: Procedure

IMPORTANT: *Stop the engine before starting work on the filter system.*

NOTE: *Although the model shown may not fully correspond to your model, the procedure is identical.*

CAUTION: Do not attempt to blow the main element clean using the engine exhaust fumes. Never apply oil to a dry element. Never use gasoline, paraffin or solvents to clean an element.
Before installing the main or secondary filter, visually check that there are no cuts, tears, or damage on the surface of the seals; do not install the filter if such damage is visible.

1. Lift the hood panel.
2. Remove the main filter ((2)). To access the filter, unlock and remove the cover plate ((1)).
3. Clean the main filter, depending on its condition:
   – Blow through with compressed air at a maximum pressure of 5 bar (73 psi) while keeping the filter a suitable distance away from the nozzle.
   – After cleaning, check to ensure that the secondary filter (3) is not damaged by illuminating the inside to check that there are no holes, and check the condition of the seals.
4. Carry out the operations in reverse order to refit, lower the filter handle to fit it correctly in the top.

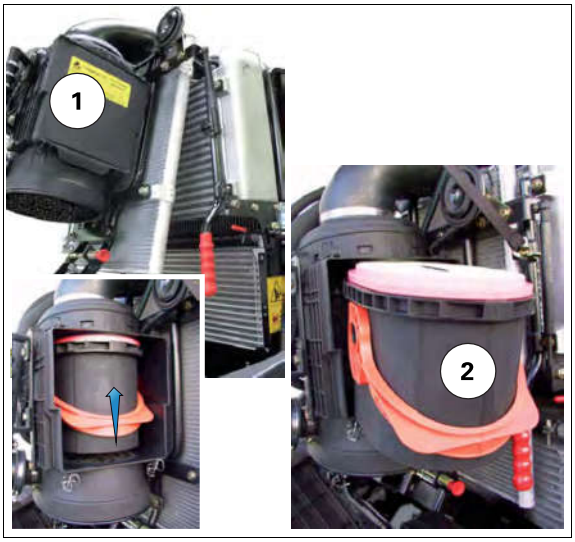


Fig. 8. I012412

Cleaning and replacement of the secondary filter: Procedure

IMPORTANT: *Stop the engine before starting work on the filter system.*

NOTE: *Although the model shown may not fully correspond to your model, the procedure is identical.*

CAUTION: Do not attempt to blow the main element clean using the engine exhaust fumes. Never apply oil to a dry element. Never use gasoline, paraffin or solvents to clean an element.
Before installing the main or secondary filter, visually check that there are no cuts, tears, or damage on the surface of the seals; do not install the filter if such damage is visible.

Procedure

1. Unscrew the filter bowl (1).
2. Remove the filter element (3), allow to drain fully and discard it.
3. Replace seal (4) every 800 hours, or as necessary.
4. Slide the new filter element (3) into filter head (2).
   NOTE: *To prevent contamination of the filter element due to foreign material (mud, etc.), do not completely remove the protective plastic until it is fitted in place.*
5. Replace filter bowl 1 and screw hand-tight until it locks.

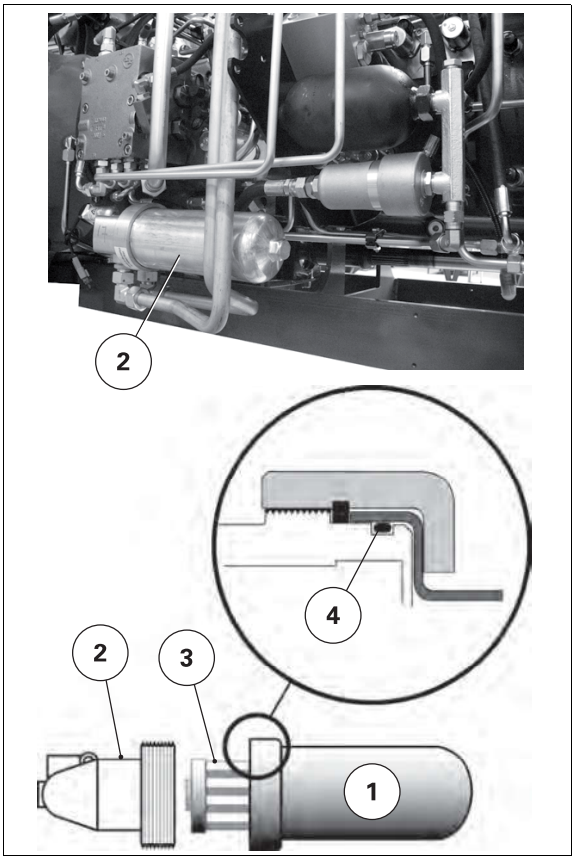


Fig. 4. I012247

4.4.6 Power Shuttle

T005101

Frequency

Replace the 60-micron filter strainer on the Power Shuttle (3) *fig. 5* every 1200 hours

Procedure

NOTE: *After changing the oil, the filter, or the strainer, run the engine until oil pressure is obtained; wait for the indicator light 5 bar (73 psi) to go out and check for leaks.*

Lubrication points

(1) (2) Pivot pins

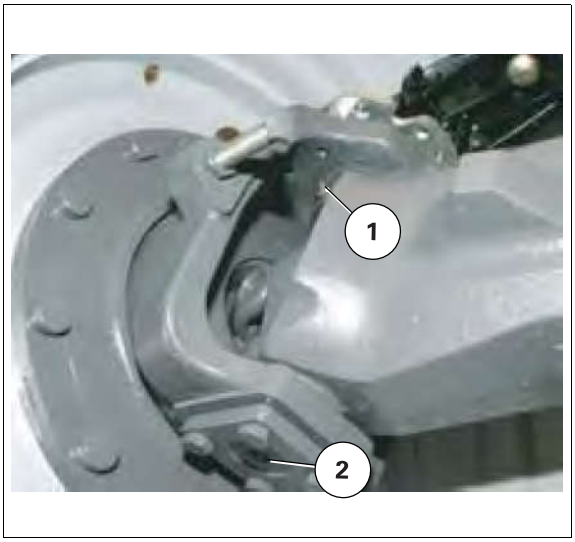
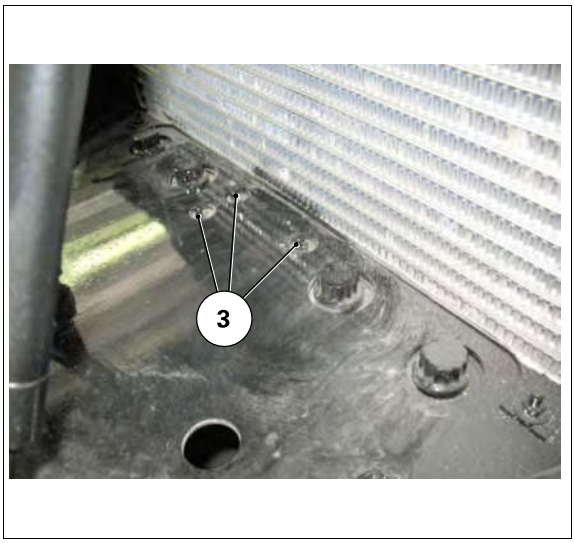


Fig. 7. I004197

(3) Front/rear bearings on front axle



I004175

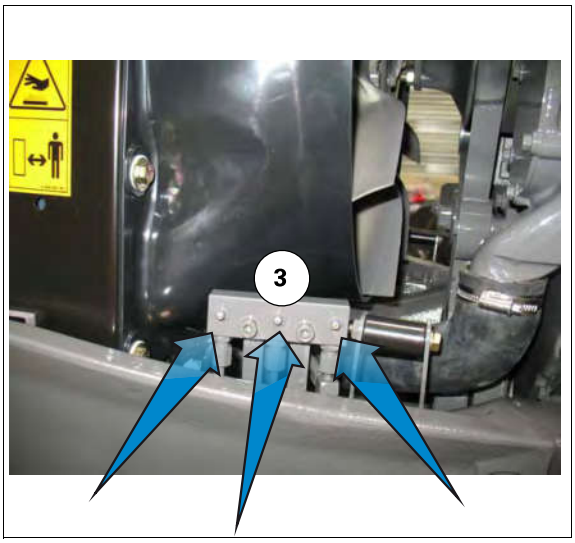


Fig. 8. I012436

4.11.5 Adjusting the headlights

T001070

Adjustment diagram

(A) Distance between the headlights and a wall or a screen
(B) Height from the center of the headlights to the ground
(C) Center-to-center distance between headlights
(D) Vertical offset

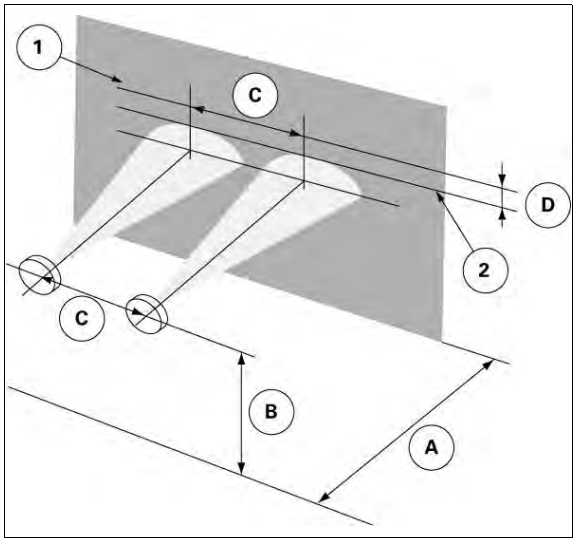


Fig. 3. I003563

Procedure

NOTE: *Do not let your fingers come into direct contact with the iodine bulbs.*

1. Position the tractor on a level surface, facing a wall or screen at a distance of 7,5 m (25 ft).
2. Draw a horizontal line (1) on the wall, corresponding to the height (B).
3. Draw two vertical lines on the wall corresponding to the width (C).
4. Trace a horizontal line (2) on the wall under line (1) at a distance of (D) = 0.1x(B).
5. Adjust each headlight individually by masking the opposite light. Align the upper edge of the lit zone with line (2); align the center of the lit zone with the corresponding vertical line traced in step 3.

4.11.6 Adjusting Xenon work lights (optional)

T001671

Certain precautions must be taken when replacing bulbs on models fitted with this option.

WARNING: The electrical connection between the headlight and the light ballast is under HIGH VOLTAGE and must not be disconnected. Before replacing the xenon bulb, always turn the headlights off and disconnect from the power supply. Never touch the light terminal.
The light ballast is to be attached next to the headlight. Install the headlight and light ballast in a way that does not have an adverse effect on engine cooling.
Ensure that the power supply cable between the headlight and the ballast is not twisted by more than 90° and/or bent by a radius smaller than 20 mm (0.79 in).

The work lights are adjusted by screwing or unscrewing the 2 screws as required.

Fig. 4. I005478

5. Technical specifications

5

5.4.4 Forward speed at 2200 rpm with Dyna-6 transmission, 40 km/h (25 mile/h (mph)) and 50 km/h (31 mile/h (mph)), super creeper speed option and 20.8R38 tires

T003363

Forward and reverse travel, Dyna-6 transmission

Range	Ratio	GPA 2522 - 6465	GPA 2523 - 6475/6480
1	A	0,13 km/h (0.08 mile/h (mph))	0,11 km/h (0.07 mile/h (mph))
1	B	0,15 km/h (0.09 mile/h (mph))	0,14 km/h (0.09 mile/h (mph))
1	C	0,18 km/h (0.1 mile/h (mph))	0,16 km/h (0.1 mile/h (mph))
1	D	0,21 km/h (0.1 mile/h (mph))	0,20 km/h (0.1 mile/h (mph))
1	E	0,25 km/h (0.2 mile/h (mph))	0,23 km/h (0.1 mile/h (mph))
1	F	0,30 km/h (0.2 mile/h (mph))	0,28 km/h (0.2 mile/h (mph))
2	A	0,34 km/h (0.2 mile/h (mph))	0,31 km/h (0.2 mile/h (mph))
2	B	0,41 km/h (0.3 mile/h (mph))	0,37 km/h (0.2 mile/h (mph))
2	C	0,48 km/h (0.3 mile/h (mph))	0,44 km/h (0.3 mile/h (mph))
2	D	0,58 km/h (0.4 mile/h (mph))	0,53 km/h (0.3 mile/h (mph))
2	E	0,68 km/h (0.4 mile/h (mph))	0,62 km/h (0.4 mile/h (mph))
2	F	0,82 km/h (0.5 mile/h (mph))	0,75 km/h (0.5 mile/h (mph))
3	A	0,69 km/h (0.4 mile/h (mph))	0,63 km/h (0.4 mile/h (mph))
3	B	0,83 km/h (0.5 mile/h (mph))	0,76 km/h (0.5 mile/h (mph))
3	C	0,98 km/h (0.6 mile/h (mph))	0,89 km/h (0.6 mile/h (mph))
3	D	1,18 km/h (0.7 mile/h (mph))	1,07 km/h (0.7 mile/h (mph))
3	E	1,38 km/h (0.9 mile/h (mph))	1,26 km/h (0.8 mile/h (mph))
3	F	1,67 km/h (1 mile/h (mph))	1,52 km/h (0.9 mile/h (mph))
4	A	1,48 km/h (0.9 mile/h (mph))(1 1,75 km/h (1 mile/h (mph))(2	1,46 km/h (0.9 mile/h (mph))
4	B	1,78 km/h (1 mile/h (mph))(1 2,10 km/h (1 mile/h (mph))(2	1,75 km/h (1 mile/h (mph))(1 2,01 km/h (1 mile/h (mph))(2
4	C	2,09 km/h (1 mile/h (mph))(1 2,47 km/h (2 mile/h (mph))(2	2,06 km/h (1 mile/h (mph)) (1 2,36 km/h (1 mile/h (mph))(2
4	D	2,52 km/h (2 mile/h (mph))(1 2,97 km/h (2 mile/h (mph))(2	2,47 km/h (2 mile/h (mph))(1 2,84 km/h (2 mile/h (mph))(2
4	E	2,96 km/h (2 mile/h (mph))(1 3,49 km/h (2 mile/h (mph))(2	2,91 km/h (2 mile/h (mph))(1 3,34 km/h (2 mile/h (mph))(2
4	F	3,56 km/h (2 mile/h (mph))(1 4,20 km/h (3 mile/h (mph))(2	3,50 km/h (2 mile/h (mph))(1 4,02 km/h (2 mile/h (mph))(2

1. Version 40 km/h (25 mile/h (mph))
2. Version 50 km/h (31 mile/h (mph))

5.4.5 Gearbox

T001703

Dyna-6	This transmission comprises six Dyna-6 ratios (A to F) and 4 robotic ranges (1 to 4) – 24 forward speeds – 24 reverse speeds

5.12 Capacities and dimensions

5.12.1 Capacities

T007950

Type	Model	Displacement
Fuel tank	All	270 l (71.3 gal (US))
Cooling system	All	29,5 l (7.8 gal (US))
SisuDiesel engine sump	All	19,5 l (5.2 gal (US))
Transmission/hydraulics	6465 all models	70 l (18.5 gal (US)) - 72 l (19.0 gal (US))
Transmission/hydraulics	6475 - 6480 all models	66 l (17.4 gal (US)) - 68 l (18.0 gal (US))
Zuidberg front power take-off	All	3,3 l (0.9 gal (US))
Fixed or suspended front axle beam	All	9 l (2.4 gal (US))
Front axle final drive 735	6465/6475	0,8 l (0.2 gal (US))
Front axle final drive 740	6480	2 l (0.5 gal (US))
Refrigerant fluid R134A	All	1200 g (42.32 oz)
Windshield washer bottle	All	4 l (1.1 gal (US))

IMPORTANT: *When continuously using hydraulic implements that take a large quantity of oil out of the transmission (hydraulic motors, large capacity cylinders), fill oil up to the maximum level on the dipstick and then add 10 l (2.6 gal (US)). If using the tractor on steeply sloping ground, fill up to the maximum level on the dipstick.*

5

6.3 Transmission accessories

6.3.1 Transmission accessories

T001020

– Creeper gearbox