3 - CONTROLS AND INSTRUMENTS

ACCESS TO OPERATOR'S PLATFORM

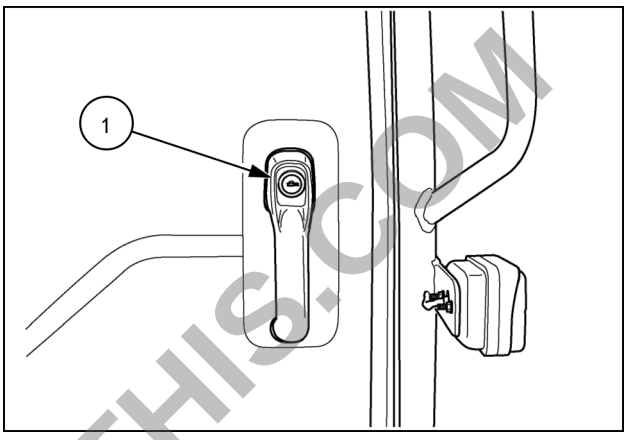
Access to operator's platform

Opening doors from the outside

With the door unlocked, pressed button **(1)** and pull the door towards you.

The opening buttons **(1)** are both fitted with lock and key, so the cab can be locked from either side.

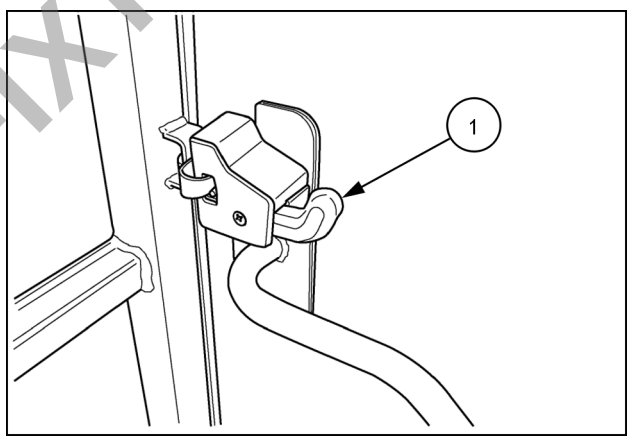
NOTE: *The cab door locks and the tractor ignition switch use the same key, Part number 87640455.*



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Opening doors from the inside

Push the lever **(1)** downwards to exit cab.



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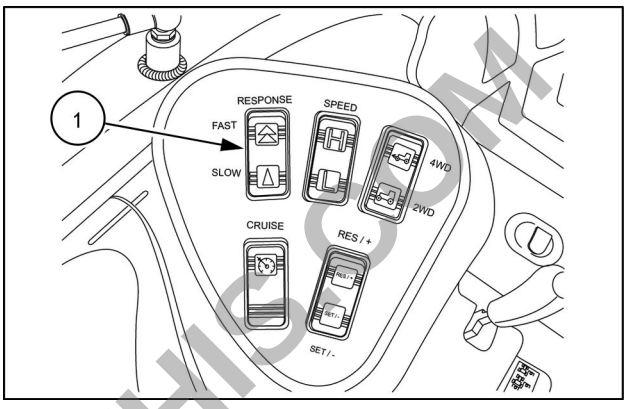
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4 - OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT

CVT transmission controls - Settings and adjustments

(Basic user interface option only)



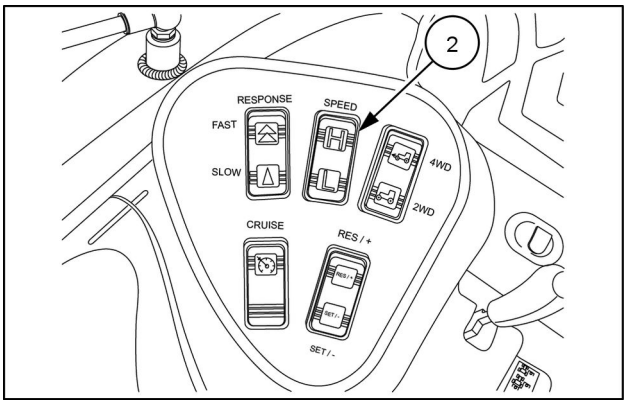
NHIL15CT00209AA 1

Response switch

Theory of operation:

This feature controls the acceleration and deceleration rate of the tractor, with pre-programmed settings.

The response switch **(1)** selects between the fast and slow response ranges. Fast response is activated by pressing the portion of the switch with the double arrows forward. Slow response is activated by pressing the portion of the switch with the single arrow rearward. When the switch is in the fast or slow response positions, a light will illuminate inside the switch. The fast response range corresponds to faster acceleration and deceleration of the tractor than the slow response range.

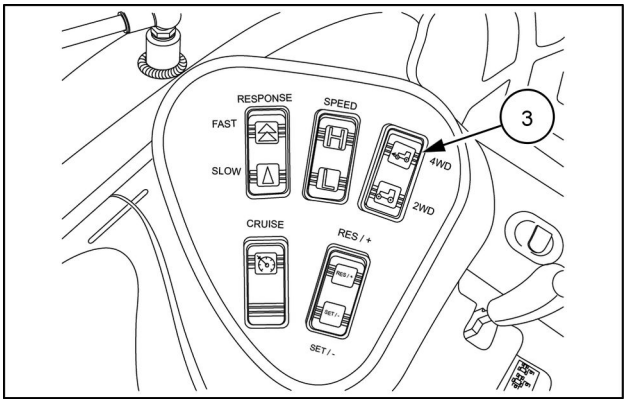


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Speed range switch

Theory of Operation:

The tractor is equipped with a Speed Range switch, **(2)**, that has two settings - LOW and HIGH. The operator can change the speed setting by pressing the switch forward or backwards to the desired speed setting, based on driving conditions. By rocking the switch forward, the High range is selected, and the letter “H” is illuminated in the switch. By rocking the switch rearward, the Low range is selected, and the letter “l” is illuminated in the switch.



NHIL15CT00209AA 3

4WD engagement switch

Theory of Operation:

The tractor is equipped with a 4WD engagement switch **(3)** that can be changed between 4WD and 2WD modes by pressing the switch forward for 4WD or backwards for 2WD, depending on driving conditions.

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7 - MAINTENANCE

GENERAL INFORMATION

General information

Safety rules

⚠ WARNING

Avoid injury and/or property damage!
1. Disengage all drives.
2. Engage parking brake.
3. Lower all attachments to the ground, or raise and engage all safety locks.
4. Shut off engine.
5. Remove key from key switch.
6. Switch off battery key, if installed.
7. Wait for all machine movement to stop.
Failure to comply could result in death or serious injury.

W0987A

⚠ WARNING

Maintenance hazard!
Replace all shields before operating the machine.
Failure to comply could result in death or serious injury.

W0234A

Warranty notice

NOTICE: *While any company can perform necessary maintenance or repairs on your equipment, NEW HOLLAND strongly recommends that you use only authorized NEW HOLLAND dealers and products that meet the given specifications. Improperly or incorrectly performed maintenance and repair voids the equipment warranty and may effect affect service intervals.*

General information

Adequate lubrication and maintenance on a regular schedule is vital to maintaining your equipment. To ensure long service and efficient operation, follow the lubrication and maintenance schedules outlined in this manual. The use of proper fuels, oils, grease and filters, as well as keeping the systems clean, will also extend machine and component life.

NOTICE: *Always use genuine New Holland replacement parts, oils and filters to ensure proper operation, filtration of engine and hydraulic systems. See your New Holland dealer for additional oil quantities.*

Regular lubrication is the best insurance against delays and repairs. Proper lubrication will extend machine life. Refer to the following charts for lubricants and service intervals.

NOTICE: *Failure to complete the required maintenance at the recommended intervals can cause unnecessary downtime.*

The intervals listed in the Maintenance Chart on page **7-12** are guidelines to be used when operating in normal conditions. Adjust the intervals for operating in adverse environmental and working conditions. The intervals should be shortened for sandy, dusty and extremely hot operating conditions.

Always clean the area around dipsticks, fill caps, and check plugs when checking fluid levels. Failure to clean these areas may allow contamination to enter the system. Drain, flush and refill the system anytime you suspect it is contaminated.

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2 - SAFETY INFORMATION

Safety alert symbol and signal word definition

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 that, if not avoided, will result in death or serious injury.

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

CAUTION indicates a hazardous situation that, 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 that, 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.

Information

NOTE: *Note indicates additional information that 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.

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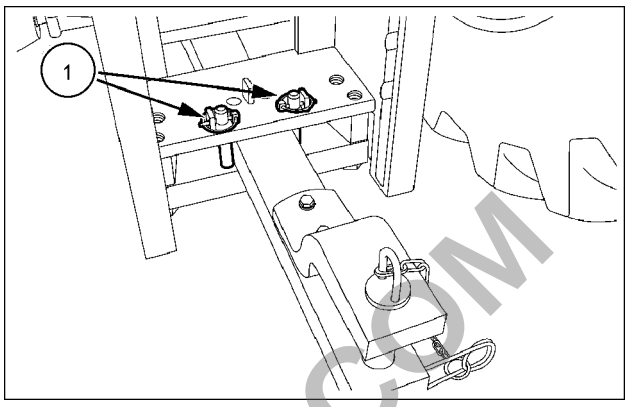
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Extendable drawbar

The swinging drawbar may be fixed or allowed to swing the full width of the hanger.

Fasten the drawbar in position using the swing limiter pins **(1)** when pulling equipment which requires accurate positioning or when transporting equipment. Permit the drawbar to swing to allow for easier steering and turning when pulling ground engaging equipment which does not require accurate positioning.



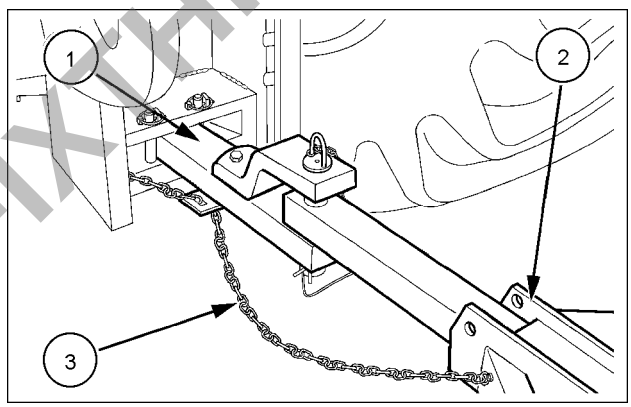
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⚠ WARNING

Collision hazard!
During road transport, the drawbar must be locked in the center position, and the implement must be centered behind the tractor.
Failure to comply could result in death or serious injury.

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NOTICE: *When transporting equipment on highways, a safety chain **(3)** with a tensile strength equal to the gross weight of the implement should be installed between the tractor drawbar **(1)** and the implement hitch **(2)**.*

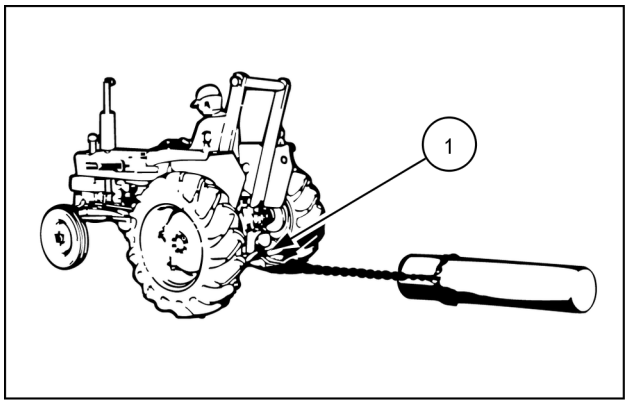


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⚠ WARNING

Roll-over hazard!
Always pull from the drawbar. DO NOT attach chains or ropes to the Roll Over Protective Structure (ROPS) for pulling purposes, as the machine could tip over. When driving through door openings or under low overhead objects, make sure there is sufficient clearance for the ROPS.
Failure to comply could result in death or serious injury.

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(1) Drawbar

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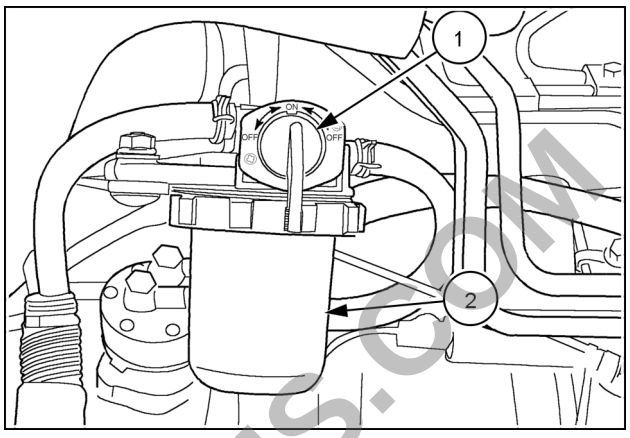
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Fuel filter

Draining the fuel filter

NOTE: *The fuel filter should be drained after every 100 hours of operation.*

1. Make sure there is adequate fuel in the fuel tank and close the fuel shutoff valve **(1)**. (Turn the handle clockwise to the “OFF” position.)
2. Remove, empty, and clean the fuel sediment bowl **(2)**.
3. Open the fuel shutoff valve to allow fuel to flow from the filter. Close the shutoff valve when all water has been removed and only fuel flows from the filter base.
4. Reinstall the fuel sediment bowl and bleed the system as outlined in **7-59**.



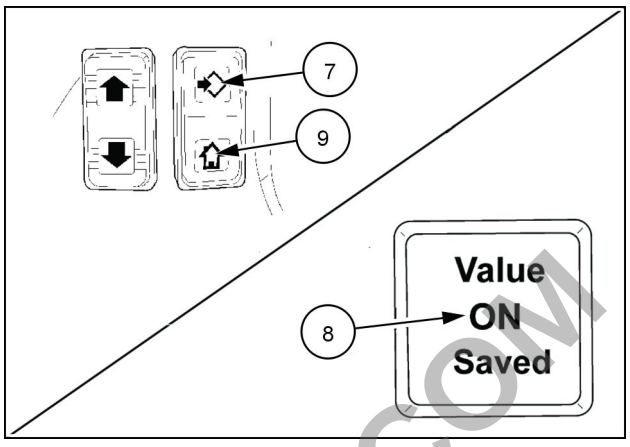
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NOTE: *Valve is shown in “open” position.*

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5. When desired beeper setting has been selected, press the ENTER switch **(7)** to save the value **(8)**.
6. Press HOME switch **(9)** to exit programming mode.

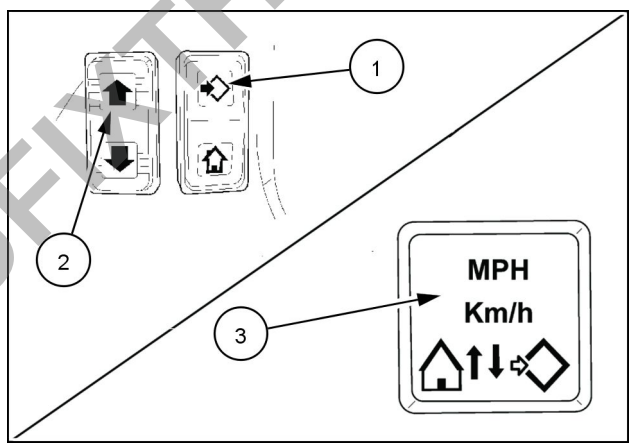


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MPH - KM/H

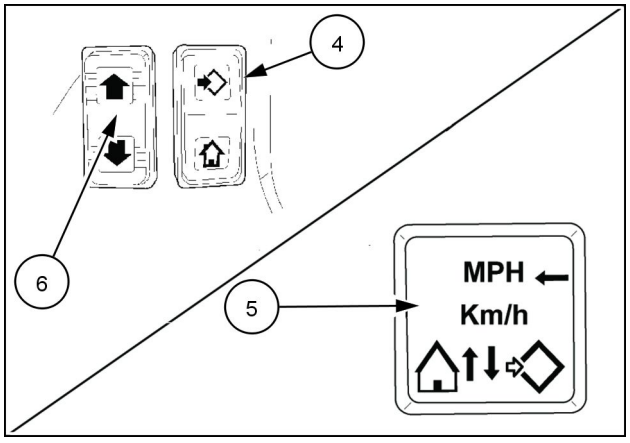
This feature allows the operator to select between either MPH or Km/h for speed output reading on the ADIC.

1. Place key switch in "ON" position.
2. Press and hold ENTER switch **(1)** to obtain ADIC "Set Up" programming mode, then use the UP/DOWN switch **(2)** to navigate to MPH -- Km/h menu **(3)**.



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3. Press the ENTER switch **(4)** to navigate to mph - Km/h mode **(5)**.
4. Use UP/DOWN switch **(6)** to select either mph or Km/h.



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RIGHT-HAND SIDE CONTROLS

Speed control pedal

The ground speeds of tractors equipped with a CVT transmission are continuously variable, from zero to full rated speed in each range. Speed is controlled by combination of the speed control pedal **(1)** speed range switch, and the hand throttle.

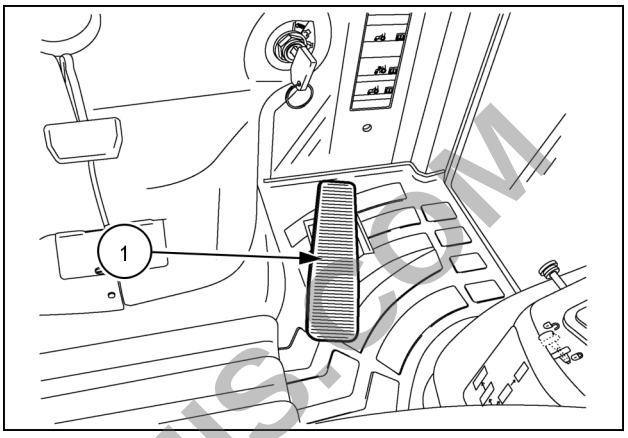
The speed control pedal is connected to the engine throttle control. As the speed control pedal is depressed, the engine speed will increase proportionally.

Place your entire foot on the speed control pedal, using the ankle as a pivot, for the best operation of pedal. Avoid using just your toe to operate the pedal. Using just your toe in rough terrain may result in erratic operation of the speed control pedal.

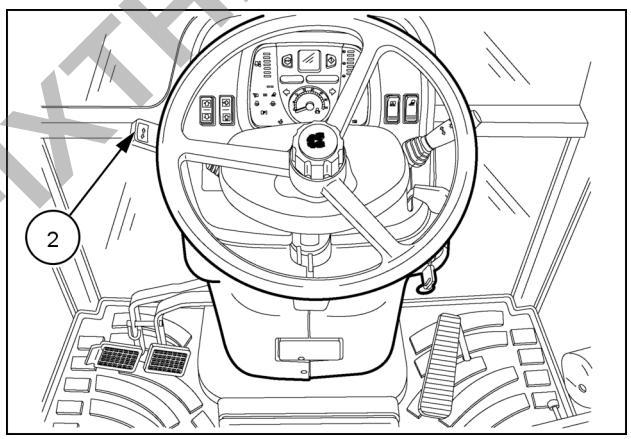
The shuttle shift lever **(2)** MUST be in either forward or reverse BEFORE the speed control pedal is depressed. See also: **3-29**.

NOTICE: *If the speed pedal is depressed before the shuttle shift lever is in either forward or reverse, a (RP) will be displayed in the instrument cluster. The operator needs to remove their foot from the speed control pedal and place on brake pedal to prevent any unwanted movement of the tractor until the (RP) display clears.*

NOTICE: *Increase the engine speed slightly, with the hand throttle, before depressing the speed control pedal. The increased engine speed position will allow the engine governor speed to have priority over the speed control pedal engine speed control cable position.*



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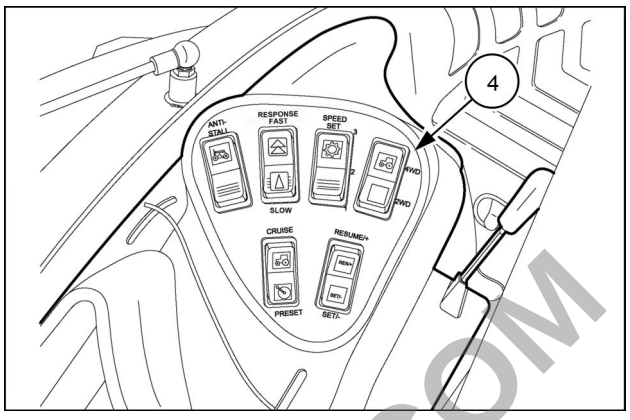
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4WD engagement switch

Theory of operation:

The tractor is equipped with a 4WD engagement switch **(4)** that can be changed between 4WD and 2WD modes by pressing the switch forward for 4WD or backwards for 2WD, depending on driving conditions.

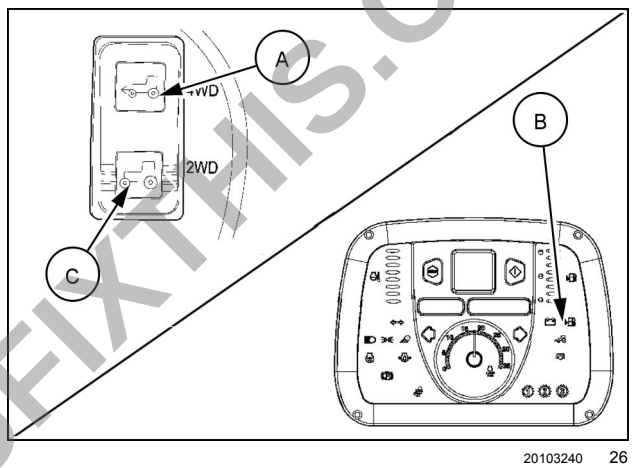


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To engage the Four-Wheel Drive (4WD) :

1. Tractor is running, in a stationary position, not under load and the brake pedals not applied.
2. Press 4WD engagement switch forward to activate 4WD system.

When the 4WD is engaged, lamp **(A)** is illuminated on both the switch and the ADIC (Analog Digital Instrument Cluster) **(B)** when the 2WD is engaged, lamp **(C)** is illuminated on the switch only.



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Cruise control

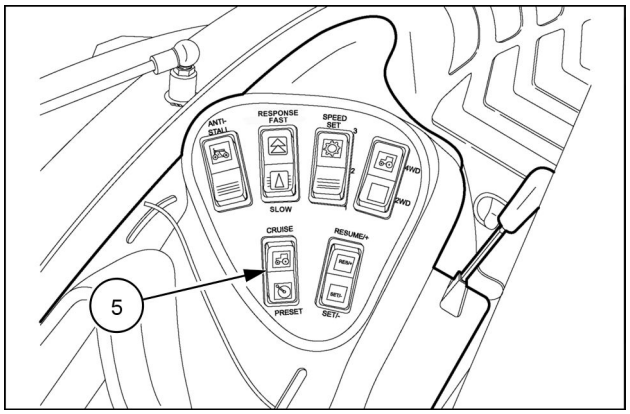
Theory of operation:

The cruise control maintains a constant transmission ratio. The cruise control will work in either Forward or Reverse modes and in all speed settings. If the engine speed changes the ground speed of the tractor will change accordingly.

System operation:

1. With the tractor running and the brake pedals not applied. Press cruise activation switch **(5)** to ready cruise system.

   NOTE: *When cruise activation switch is in the "ON" position the switch will illuminate.*



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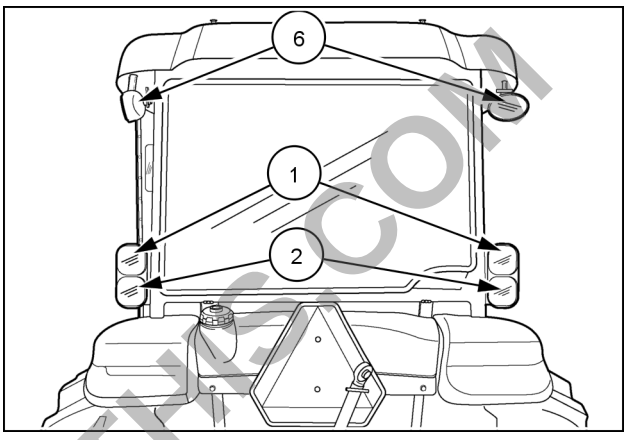
5 - TRANSPORT OPERATIONS

ROAD TRANSPORT

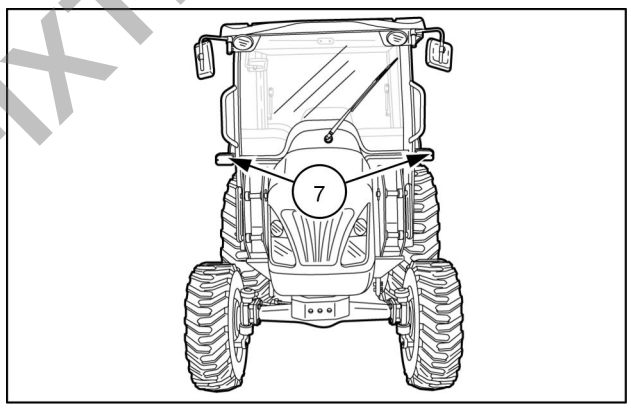
External lighting - Identification

Your tractor is equipped with:

- Flasher warning/turn lights **(1)**.
- Tail / brake lights **(2)**.
- Headlights **(3)**, Figure **3** .
- Front work lights **(4)**, Figure **3** .
- Front cab lights **(5)**, Figure **3** .
- Rear cab lights **(6)**, Figure **1** .
- Flasher warning/turn lights **(7)**, front.



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