FORWARD CONTROLS

Instrument panel

Analog – digital instrument panel

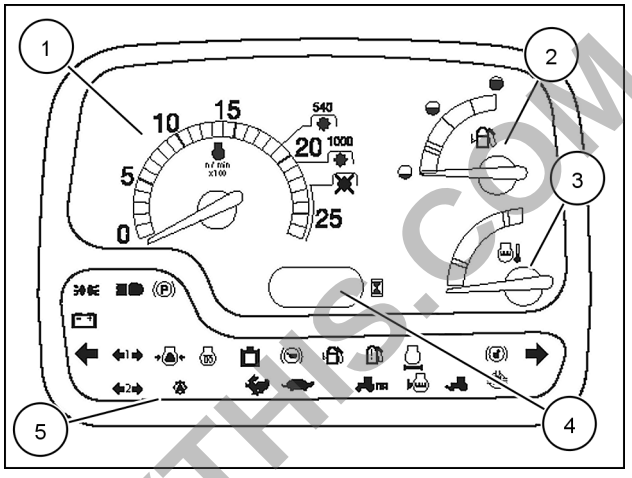
(1) – Tachometer gauge

(2) – Fuel level gauge

(3) – Engine cooling system temperature gauge

(4) – Hour meter LCD display

(5) – Warning and status indicators



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4 - OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT

Note to the Owner

Before operating the tractor

Before operating the machine, ensure that you are thoroughly familiar with the location and operation of the controls.

Perform all daily lubrication and maintenance operations.

After completing the daily maintenance operations, walk around for a visual inspection of the machine. Pay particular attention to the following items:

- Fan belt for cracks.
- Engine area for dirt and debris accumulation.
- Hoses, lines and fittings for leaks or damages.
- Tires for damage.
- Hardware for looseness.
- Driveline and hydraulic pump areas for leaks or debris accumulation.

Make any necessary repairs before using the tractor.

Tractor operating safety rules

- Before starting the engine, apply the parking brake; place the PTO control in neutral (OFF), the lift control lever in the down position, the remote control valve levers in neutral position and the transmission levers also in neutral position.
- Do not start the engine or operate controls while standing beside the unit. Always sit in the machine's operator seat when performing any of these operations.
- Do not bypass the transmission and PTO neutral start switches. Contact your New Holland dealer if these switches malfunction. Improper use can result in the machine to move inadvertently.
- Avoid accidental contact with the gear shift levers while engine is running. Unexpected machine movement can result from such contact.
- Never get off the machine while it is in motion.
- If the power steering becomes disabled or the tractor engine ceases operation, it will be more difficult to steer the tractor.
- Before exiting the machine, park it on level ground, apply the parking brake, lower the attached implements to the ground, disengage the PTO, and stop the engine.
- Do not park the machine on a slope.
- Never leave the machine's engine running in closed areas with poor ventilation. Exhaust gases are toxic and may cause death.
- When towing equipment, pull only from the drawbar. Only use a drawbar pin that locks in place. Pulling from the rear axle or any other point above the axle, may cause the machine to rollover.
- Always select Position Control when attaching or transporting equipment. Be sure hydraulic couplers are properly mounted and will disconnect in case of accidental detachment of the implement.
- If the front end of the machine tends to rise when heavy implements are attached to the three-point hitch, install front end counterweights. Do not operate the machine with a light front end.
- Ensure that attached equipment or accessories are correctly installed and are approved for use with the machine. Do not overload the machine. Ensure that equipment is operated and serviced according to the manufacturer’s instructions.
- Remember that your machine, if improperly or incorrectly used, may be dangerous for the operator and bystanders. Do not overload or operate with unsafe attached equipment, not designed for a particular task or in bad conditions.
- Do not leave equipment in raised position when the vehicle is stopped or unattended.
- Do not drive equipment near open fires.
- Always wear a protective mask when working with sprays or toxic chemical products. Follow the directions on the product container that is in use.

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7 - MAINTENANCE

GENERAL INFORMATION

Maintenance and Service Schedule

⚠ DANGER

Improper operation or service of this machine can result in an accident.
Do not operate this machine or perform any lubrication, maintenance, or repair on it until you have read and understood the operation, lubrication, maintenance, and repair information.
Failure to comply will result in death or serious injury.

D0010A

⚠ DANGER

Improper operation or service of this machine can result in an accident.
Any unauthorized modifications made to this machine can have serious consequences. Consult an authorized dealer on changes, additions, or modifications that may be required for this machine. Do not make any unauthorized modifications.
Failure to comply will result in death or serious injury.

D0030A

⚠ WARNING

Maintenance hazard!
Always perform all service procedures punctually at the intervals stated in this manual. This ensures optimum performance levels and maximum safety during machine operation.
Failure to comply could result in death or serious injury.

W0132A

⚠ WARNING

Improper operation or service of this machine can result in an accident.
Before working on any component(s) of the electrical circuit, put the starter switch key in the off (shut down) position. When disconnecting batteries, always disconnect the negative (-) cable first. When reconnecting batteries, always connect the negative (-) cable last.
Failure to comply could result in death or serious injury.

W0264A

This section details the necessary requirements to keep your machine working at its maximum efficiency. A lubrication and maintenance chart facilitates a quick query of the requirements. If you have questions regarding any lubrication or service issue, contact your NEW HOLLAND AGRICULTURE Dealer.

Before performing maintenance or servicing the tractor, you should always:

1. Park the tractor on a hard flat surface.
2. Apply the parking brake.
3. Turn the engine off and remove the key from the ignition.
4. Place chock blocks in front of and behind the tires to prevent movement.

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8 - SPECIFICATIONS

General specification - Biodiesel Fuels

Fatty Acid Methyl Ester Biodiesel (Biodiesel Fuel) consists of a family of fuels derived from vegetable oils treated with methyl esters.

NOTICE: *Biodiesel Fuel blends are approved for your engine only if they comply with* ***EN14214*** *Specification Standards or* ***ASTM D6751****.*

With Biodiesel Fuels, it may be necessary to change the engine oil, engine oil filter and fuel filter elements more frequently than with Diesel Fuels. Biodiesel Fuel can remove rust and particles from the inside of on-site fuel storage tanks that would normally adhere to the sides of the tank. Like particle deposits that commonly occur with Diesel Fuel, these particles can become trapped by

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2 - SAFETY INFORMATION

Safety rules and signal word definitions

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 and on machine decals, 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. The color associated with DANGER is RED.

⚠ WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury. The color associated with WARNING is ORANGE.

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

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. The color associated with Notice is BLUE.*

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 which clarifies steps, procedures, or other information in this manual.*

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

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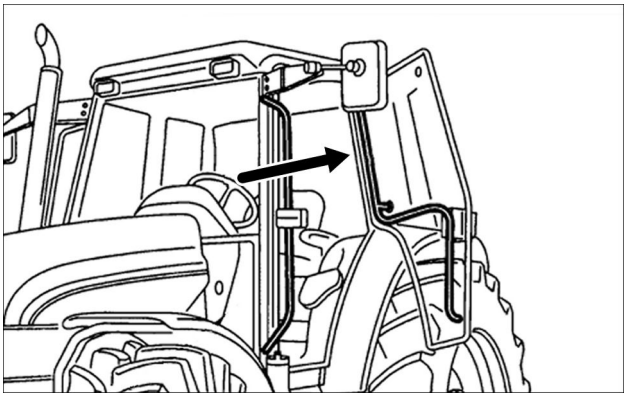
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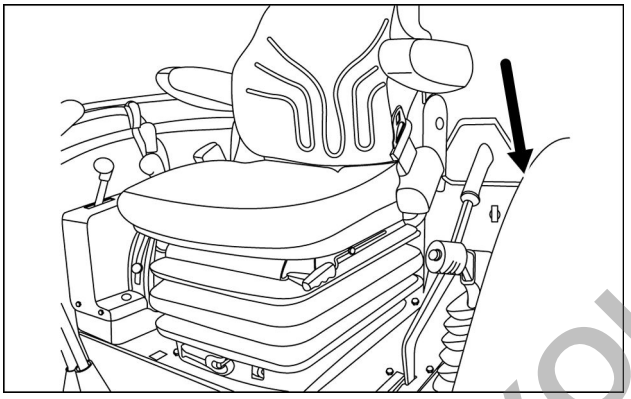
(10) Warning (5179865)

Precautions before starting and operating the machine.
Location (with cab): On the left-hand side upright (B post).

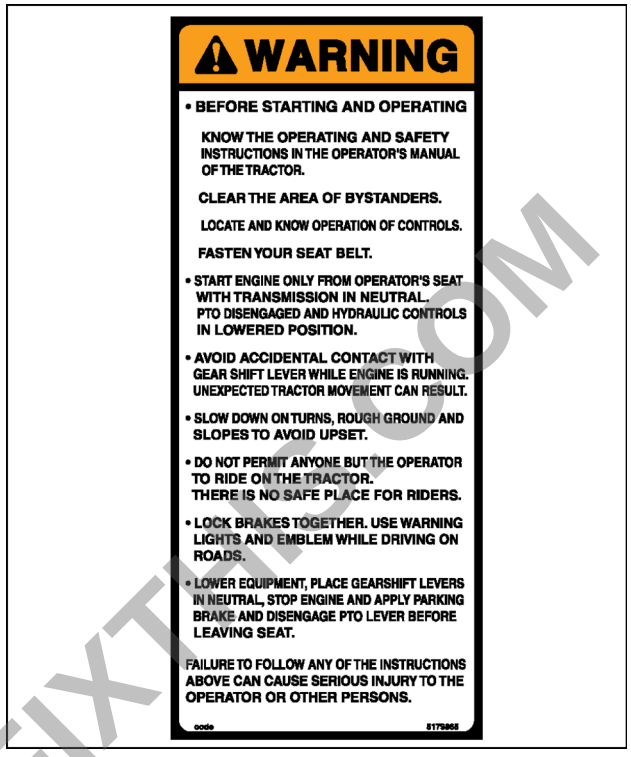


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Location (without cab): Top of the left-hand rear fender.



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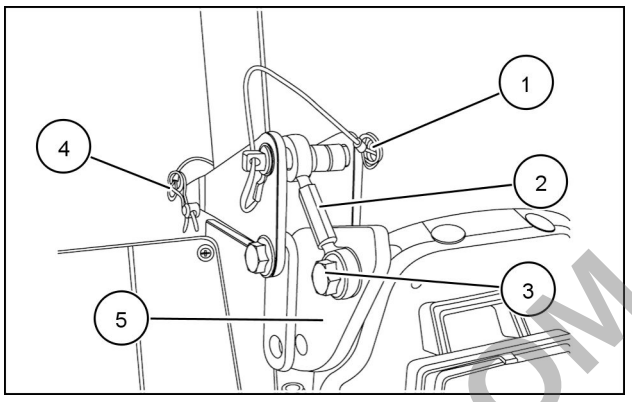
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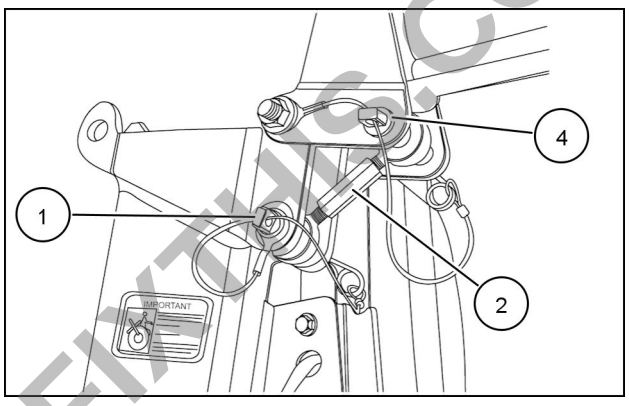
To lower the ROPS:

1. Park the tractor on a level surface, engage the parking brake, turn off engine, and chock block the tires.
2. Loosen the turnbuckle **(2)** on the rear left-hand side of the ROPS.
3. On the left-hand side of the ROPS, remove the top turnbuckle retaining pin **(1)** and the bottom turnbuckle bolt hardware **(3)**. Place the bolt hardware in the tool box. Keep the turnbuckle **(2)** and the turnbuckle retaining pin **(1)**, they will be used to secure the right-hand side of the folded ROPS.
4. Hold the ROPS frame in place and remove the front retaining pins **(4)** from both sides of the ROPS.
5. Fold the ROPS backward until the ROPS frame rests on top of the rear left-hand support bracket **(5)**. Place the front left-hand side retaining pin **(4)** back into it's original position.
6. On the rear right-hand side of the ROPS insert the turnbuckle retaining pin **(1)** through the lower ROPS hole and the turnbuckle **(2)**.
7. Slide the front right-hand side retaining pin **(4)** through the ROPS rear upper hole and the top of the turnbuckle **(2)**.

   NOTE: *To prevent the ROPS from moving around during operation, adjust the turnbuckle until the ROPS is secured in place.*



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To raise the ROPS:

1. Remove the retaining pin **(4)** from the front of the left-hand side of the ROPS and loosen the turnbuckle **(2)**.
2. Remove both retaining pins **(4)**, **(1)**, and the turnbuckle **(2)** from the rear right-hand ROPS.
3. Place the ROPS in a vertical position and insert both of the front retaining pins **(4)**.
4. Assemble the turnbuckle **(2)**, bolt hardware **(3)**, and retaining pin **(1)** to the rear left-hand side of the ROPS.

   NOTE: *To prevent the ROPS from moving around during operation, adjust the turnbuckle until the ROPS is secured in place.*

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5 - TRANSPORT OPERATIONS

ROAD TRANSPORT

Basic instructions

Transport the machine with four wheels on a trailer or truck.

Firmly secure the machine to the transporting trailer or truck.

NOTICE: *Never attach a chain over the four wheel drive axle, steering cylinders or other components that may be damaged.*

Use the drawbar or the corresponding support as fixing point.

NOTICE: *Cover the muffler outlet to avoid the wind turning the turbo turbine and damaging its bearings. You should avoid operating the turbo turbine in free wheel (spinning without the engine running), because in such circumstance there will not be lubrication for the bearings.*

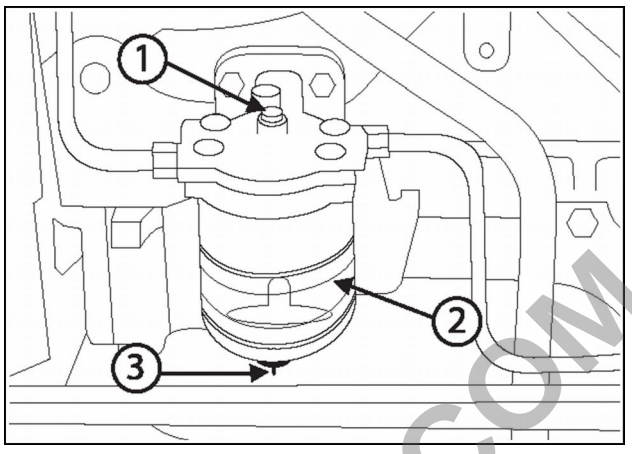
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Clean the water separator and change the fuel filter

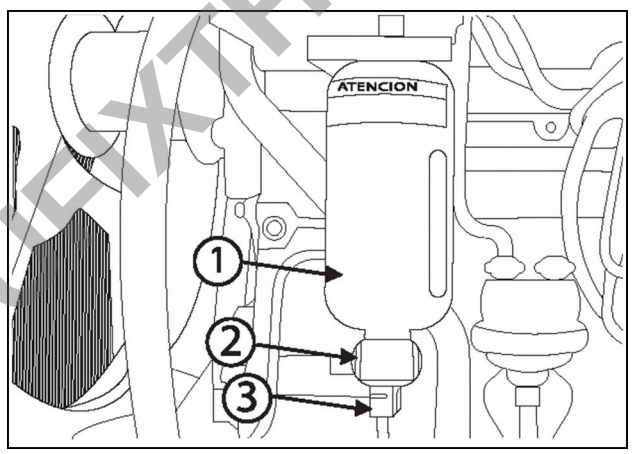
NOTICE: *Prevent dirt and other contaminants entering the fuel system, thoroughly clean the working area before loosening fuel system connections.*

1. Loosen the drain plug **(3)** in the water separator, allowing the contaminated fuel to flow out of the system into a suitable container.
2. Remove the attaching center screw **(1)** and remove the glass bowl **(2)**. Using clean fuel, wash the glass container and reinstall. Tighten the screw **(1)** and the drain plug **(3)**.



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3. Turn the ignition key to the accessory position to fill the sediment tank. A change in the noise from the pump indicates that the sediment tank is full with fuel. Turn the ignition key to the off position **(2)**.
4. Disconnect the water sediment tank sensor **(3)**. Loosen the fuel filter drain plug **(2)** allowing the contaminated fuel to flow into a suitable container. Remove the filter **(1)** and discard appropriately. Install new seals and filter.
5. After replacing the fuel filter, tighten the drain plug **(2)** and connect the water sediment tank sensor. Turn the ignition key to position accessory position to fill the fuel filter. A change in the noise from the pump indicates that the fuel system is full. Turn the ignition key to the off position.
6. Bleed air from the fuel system.



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