3 - CONTROLS/INSTRUMENTS

OPERATOR'S SEAT

USER CONTROLS AND SEAT - Adjust

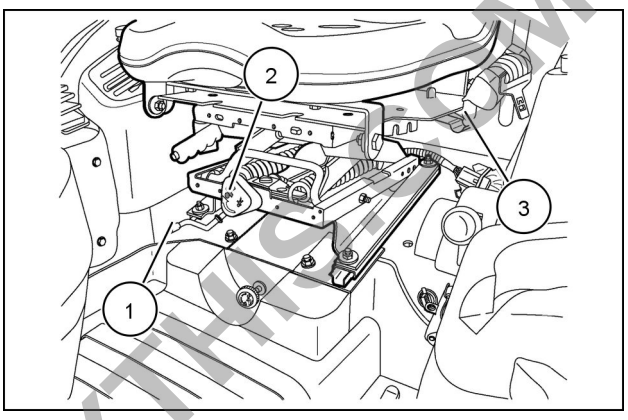
Adjusting the Tractor Seat

Your tractor is equipped with an adjustable suspension seat.

To move the seat fore and aft, raise the release lever, **(1)**, and slide the seat forward or rearward to the desired position. Because the seat is on an inclined base, more effort is required to move the seat rearward.

To adjust the flotation of the seat, turn the knob, **(2)**, clockwise for a firmer ride, or counter-clockwise for a softer ride.

To swivel the seat, raise handle, **(3)**, and rotate the seat ONLY to the right. The seat will rotate and lock at **10 °** or **20 °** ONLY to the right side.



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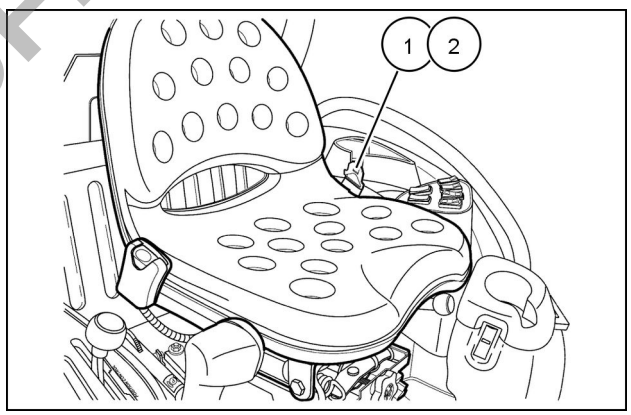
Adjusting the Seat Belt

To lengthen the seat belt, **(1)**, tip the buckle end down and pull on the buckle until the ends can be joined. To shorten the belt, buckle it, then pull on the loose end until the belt is snug.

Use soap and water to clean the seat belt if necessary. Do NOT use carbon tetrachloride, naptha, etc., as these substances will weaken the webbing. Additionally, do not bleach or redye the webbing, as these products will also weaken the webbing.

Replace the seat belt if it becomes damaged or worn.

When the seat belt is not in use, a retractor mechanism, **(2)**, holds the buckle end in place.



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4 - OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT

ENGINE - Running-in Procedure

Your NEW HOLLAND AGRICULTURE tractor will provide long and dependable service if given proper care during the first 50-hour break-in period. During the first 50 hours of operation:

1. Avoid "lugging" the engine. Operating in too high a gear under heavy load may cause engine lugging, which is indicated when the engine will not respond to a throttle increase.
2. Use the lower gear ratios when pulling heavy loads and avoid continuous operation at constant engine speeds. You will save fuel and minimize engine wear by selecting the correct gear ratio for a particular operation. Operating the tractor in low gear with a light load and high engine speed wastes fuel.
3. Avoid prolonged operation at either high or low engine speeds without a load on the engine.
4. Check the instruments frequently and keep the radiator and oil reservoirs filled to recommended levels. Daily checks include the engine oil level, radiator coolant, and air cleaner.
5. After the first 50 hours of use, be sure to perform the maintenance items listed in the maintenance schedule.

STARTING THE UNIT

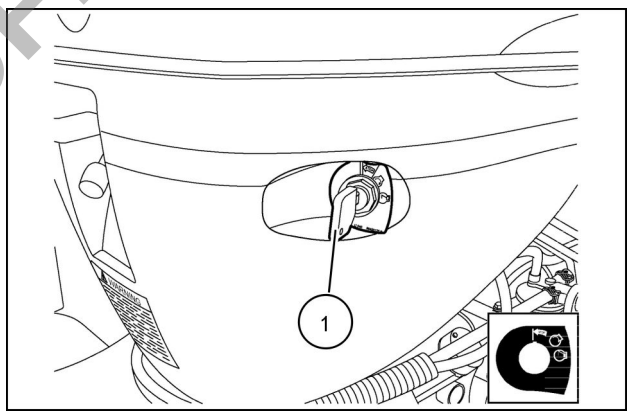
Starting the engine

The key switch, **(1)**, allows activation of the starter motor and fuel delivery only when:

1. The transmission shuttle lever, **(2)**, is in the "NEUTRAL" position.

   NOTICE: *The tractor can be started with the operator out of the seat, and the PTO control lever, **(3)**, in the rear PTO only position (if equipped with mid PTO) with the park brake NOT applied. However, an alarm will sound indicating that the operator needs to either apply the park brake or sit in the seat. If the PTO control lever, **(3)**, is in the Mid or Mid/Rear position the engine will crank but not start.*

   NOTICE: *The tractor will start if the PTO engagement switch, **(4)**, is in the "ON" position, however, the PTO(s) will not operate until the PTO switch is cycled "OFF" to "ON".*



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Always use safe practices when starting your tractor. Turn the key to the extreme right. Position the hand throttle forward so that it is one-fourth to one-third open.

⚠ WARNING

Run-over hazard!
Always sit in the operator's seat with the parking brake engaged when attempting to start the engine. Never attempt to start the engine while standing beside the machine.
Failure to comply could result in death or serious injury.

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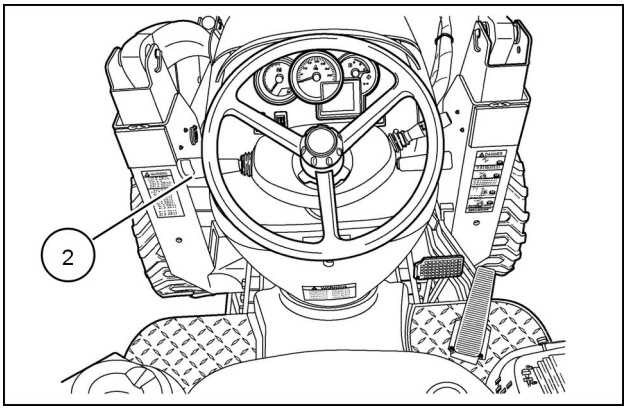

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NOTICE: *Do not engage the starting motor continuously for more than 30 seconds. Doing so may cause starting motor failure.*

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7 - MAINTENANCE

GENERAL INFORMATION

Torque - Minimum Tightening Torques for Normal Assembly

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8 - SPECIFICATIONS

Engine

	Boomer 8N
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Cooling system

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9 - ACCESSORIES

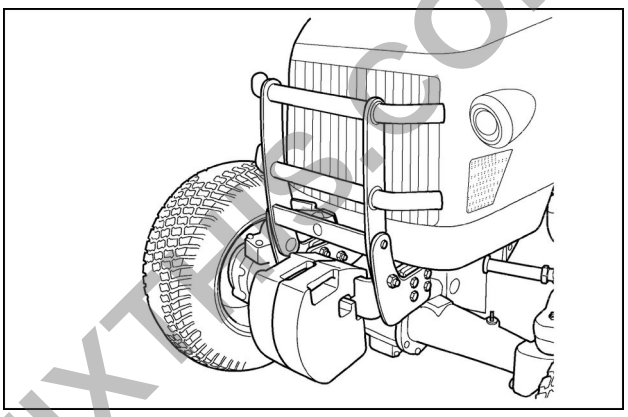
Optional attachments

CHROME GRILLE GUARD # 719849146 or

RED GRILLE GUARD # 84178255 (OPTIONAL)

A pivoting front grille guard is available to provide protection to the front of the tractor. The grille guard is compatible with, front end loader and front weights.

NOTICE: *For chrome tractor accessories, to maintain a high quality luster finish, it is recommended to periodically clean chrome parts with a mild detergent water solution, rinse and wipe dry using a soft cloth followed by an application of a quality wax.*



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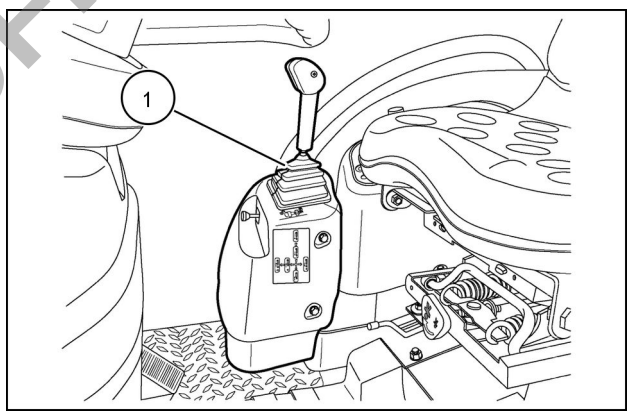
Hydraulic Two Spool Valve # 717653006 (OPTIONAL)

A hydraulic two spool valve kit, **(1)**, is required if the operator plans on installing and operating a front end loader. Contact your local New Holland Dealer for more information.



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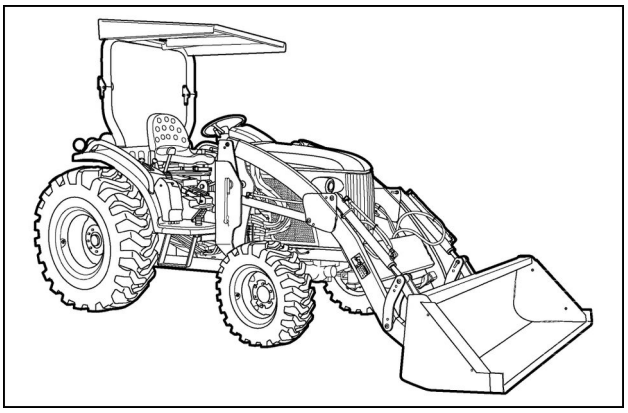
FOPS Canopy # 718857126 (OPTIONAL)

A steel FOPS Canopy, , is available to provide added protection for the operator from overhead debris. Contact your local New Holland Dealer for more information.



86091828N 3

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Contents

1 GENERAL INFORMATION

Note to the Owner 1-1
Machine orientation 1-2
Product Identification Number (PIN) 1-3
Electro-Magnetic Compatibility (EMC) 1-4

2 SAFETY INFORMATION

Precautionary statements and signal word definitions 2-1
Safety rules - Important Warnings 2-2
WORKING SAFELY 2-3
Starting the tractor 2-4
Using the tractor 2-5
Towing and transport 2-6
Using implements and agricultural machinery 2-7
Stopping the tractor 2-7
Servicing the tractor 2-8
Proposition 65 2-10
Diesel fuel 2-11
Personal safety 2-12
Safety rules 2-13
Safety signs 2-15
Instructional decals 2-21
Ecology and the environment 2-29
Biodiesel fuel 2-30
Roll over protective structure (ROPS) 2-31
ROPS - Personal safety - Roll-over protective structure 2-33
International symbols 2-34

3 CONTROLS/INSTRUMENTS

OPERATOR'S SEAT

USER CONTROLS AND SEAT - Adjust 3-1

FORWARD CONTROLS

STEERING - Adjust 3-2
Instrument panel 3-3
ADIC programming - ADIC Programming 3-8
ADIC programming Medium Speed Range Speed Set 3-16
ADIC fault codes 3-18
ADIC fault codes Non Numerical Display Codes 3-19
Transmission shuttle shift lever 3-20
Ignition key switch 3-21
Throttle control 3-22

LEFT-HAND SIDE CONTROLS

Switches 3-23

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2 - SAFETY INFORMATION

Precautionary statements 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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Index

ACCESSORIES 9-1
Optional attachments 9-1

AIR INTAKE SYSTEM 7-23
Air cleaner 7-23

COMMISSIONING THE UNIT 4-1
ENGINE - Running-in Procedure 4-1

CONTROLS/INSTRUMENTS 3-1
4WD Engagement switch 3-26
ADIC fault codes 3-18
ADIC fault codes Non Numerical Display Codes 3-19
ADIC programming - ADIC Programming 3-8
ADIC programming Medium Speed Range Speed Set 3-16
Anti-stall switch - Transmission Control Settings and Adjustments 3-26
Cruise control - Cruise Control 3-31
Differential control 3-40
Engine hood - Handle 3-45
Ignition key switch 3-21
Instrument panel 3-3
PTO controls (Independent Type) 3-41
Reactivity switch - Reactivity Switch 3-28
Recommended operating mode settings 3-38
STEERING - Adjust 3-2
SWITCH OPERATION 3-26
Speed control pedal - Constantly Variable Transmission (CVT) 3-45
Speed range switch - Speed Range Switch 3-30
Switches 3-23
Throttle control 3-22
Transmission shuttle shift lever 3-20
USER CONTROLS AND SEAT - Adjust 3-1

ELECTRICAL POWER SYSTEM 7-28
Alternator - Basic instructions 7-29
Battery - Basic instructions 7-28
Fuse box 7-30
Main fuse 7-32
Relays 7-33

ENGINE 7-13
Basic instructions 7-13

ENGINE COOLANT SYSTEM 7-15
General maintenance 7-15

EXTERIOR CONTROLS 3-45
Engine hood - Handle 3-45

FORMS AND DECLARATIONS 10-1
Delivery report - Dealer Copy 10-3
Delivery report - Owner Copy 10-1

FORWARD CONTROLS 3-2
ADIC fault codes 3-18
ADIC fault codes Non Numerical Display Codes 3-19
ADIC programming - ADIC Programming 3-8
ADIC programming Medium Speed Range Speed Set 3-16
Ignition key switch 3-21
Instrument panel 3-3

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Tractor hydraulics
Extendable drawbar 6-8
Three point linkage system - Deluxe 6-10
Attaching three-point equipment 6-11
Detaching three-point equipment 6-13
LIFTING - Control identification - Tractor hydraulics 6-14
Front remote control valve - Optional 6-16
Rear remote control valve(s) - Optional 6-17
Rear remote valve configuration 6-17

7 MAINTENANCE
GENERAL INFORMATION
Torque - Minimum Tightening Torques for Normal Assembly 7-1
Torque - Standard torque data for hydraulics 7-4
Basic instructions - Lubrication and Maintenance 7-6
Basic instructions - Lubrication Fittings 7-8
Basic instructions Break-In Procedures 7-8
Basic instructions - Diesel fuel 7-9

MAINTENANCE CHART
Advice 7-11

ENGINE
Basic instructions 7-13

ENGINE COOLANT SYSTEM
General maintenance 7-15

FUEL AND INJECTION SYSTEM
Fuel filter 7-18
FUEL AND INJECTION SYSTEM - Bleed 7-20
FUEL AND INJECTION SYSTEM - Bleed 7-22

AIR INTAKE SYSTEM
Air cleaner 7-23

HYDRAULIC SYSTEM
Hydraulic fluid 7-24
Replace - HYDRAULIC SYSTEM OIL FILTER 7-26
Replace - G-Rotor Pump Inner Filter 7-27

ELECTRICAL POWER SYSTEM
Battery - Basic instructions 7-28
Alternator - Basic instructions 7-29

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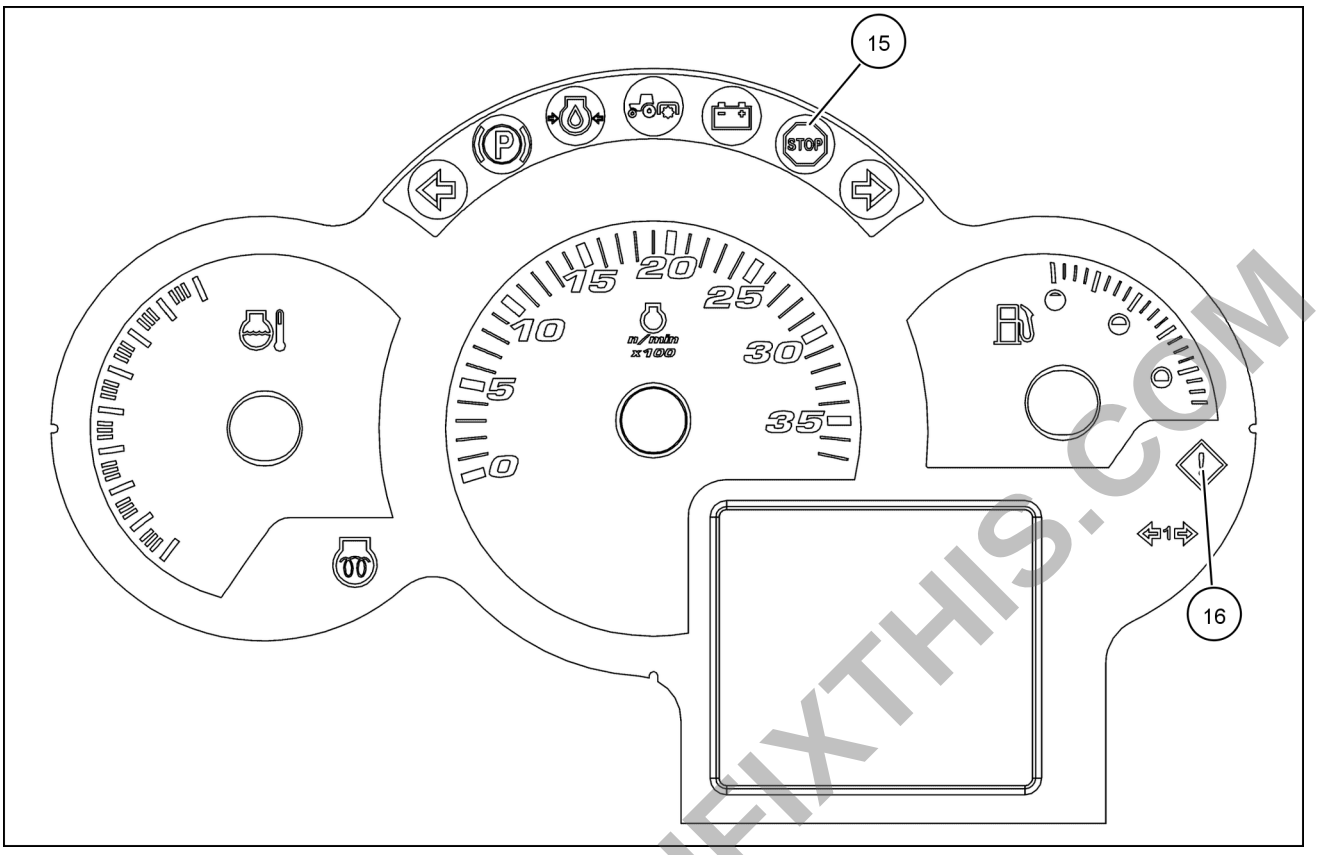

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(15) Stop Lamp Indicator

This light symbol illuminates “Red” and an alarm sounds when the following occurs:

- CVT (continuously variable transmission) oil pressure too low
  - **703 kPa** (**102 psi**) or below for more than **1 s**
- Engine coolant temp too high
  - **112 °C** (**234 °F**) and above
- Engine oil pressure too low
  - **41 kPa** (**6 psi**) or below
- Driveline oil pressure too low
  - **552 kPa** (**80 psi**) or below for more than 1 second

(16) Warning Lamp Indicator

The light symbol illuminates “Amber” when an error occurs in the tractor’s operating system.

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Brakes - Controls

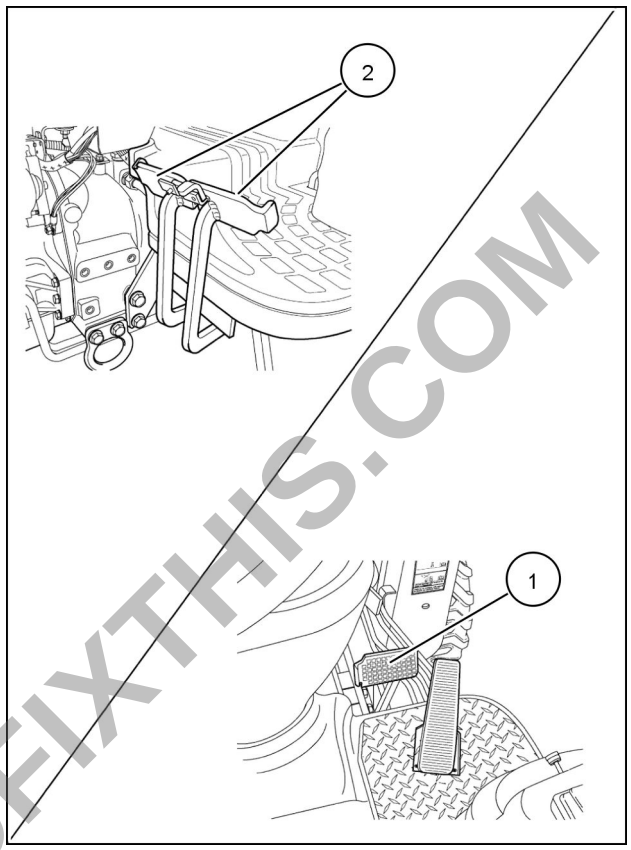
Brake Pedals

The brake pedal, **(1)**, located on the Right Hand side of the tractor controls the braking action of both the right and left side rear wheels at the same time.

Dual Pedal Turning Brake Pedals (Optional) No. 84180373

The independent brake pedals, **(2)**, are used to assist in turning in confined spaces at slow speed. The right brake pedal is used to brake the right front wheel. The left brake pedal is used to brake the left front wheel.

NOTICE: *When the brake pedal or pedals are depressed, with the tractor in 2WD mode, the FWD system is automatically engaged to aid in braking action.*



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Park Brake Control

The park brake control, **(1)**, located on the right side of the operator's seat, is used to lock the brake pedals in the applied position. Use the park brake whenever the tractor is parked or when the operator is out of the seat.

To apply the park brake:

1. Pull up on the park brake handle, **(1)**, while pressing brake pedal, until **FIRM RESISTANCE** is felt against the handle movement.

⚠ WARNING

Unexpected machine movement!
Always engage the parking brake before exiting the machine
Failure to comply could result in death or serious injury.

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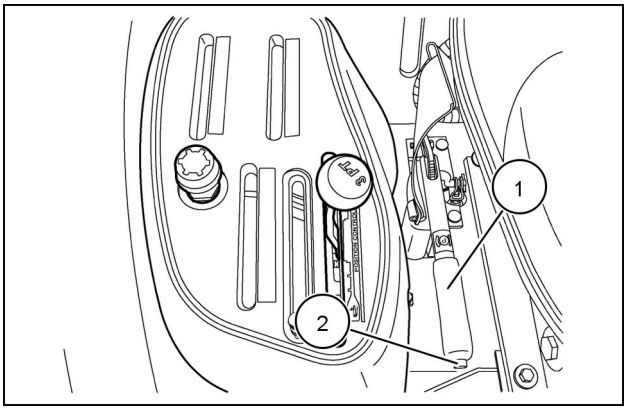
To release the park brake:

1. Depress button, **(2)**, while slightly lifting upon the brake handle, **(1)**, then place handle in full down position.



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FUEL AND INJECTION SYSTEM - Bleed

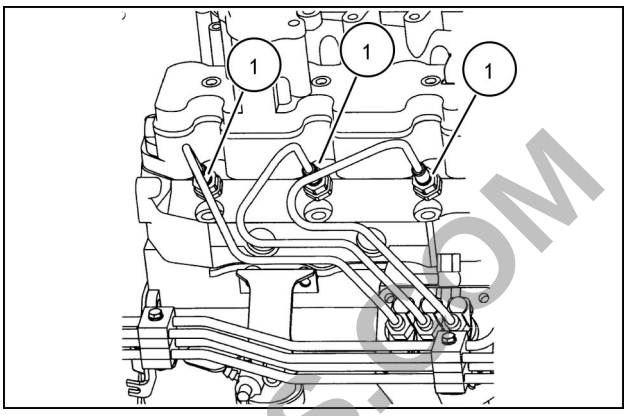
Bleeding the Injector Lines

Bleed the injector lines if:

- The tractor has run out of fuel.
- New injectors have been installed.
- The injection pump has been removed for service repairs.

To bleed the injector lines:

1. Loosen the injector line fittings, **(1)**, at the injectors.
2. Move the hand throttle control lever to its wide open position.
3. Crank the engine until air-free fuel flows from each connection, then tighten the fittings to **24 - 29 N·m** (**18 - 21 lb ft**).



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NOTICE: *If air is not purged from the system, repeat the above procedures.*

Do not crank the engine continuously for more than 30 seconds as this may cause starting motor failure.

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