

ORIGINAL INSTRUCTIONS - according to Directive 2006/42/EC, Annex I 1.7.4.1

# OPERATOR'S MANUAL

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**T6010**

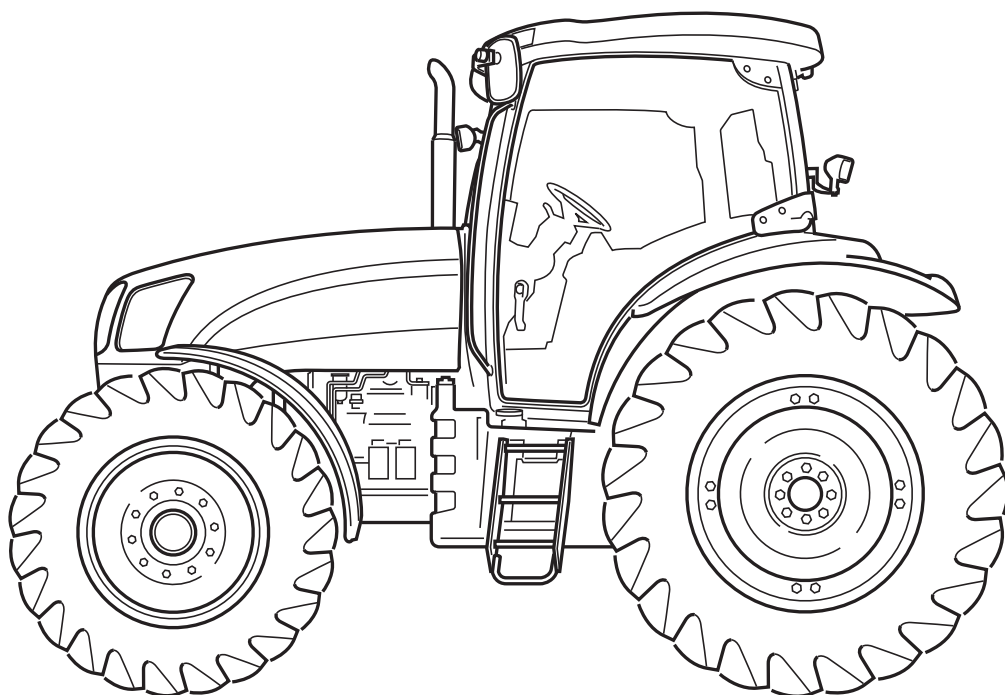
**T6020**

**T6030**

**T6050**

**T6070**

Delta and Plus Tractors



**Part Number 47380133**

2nd edition English  
July 2012





# **SECTION SUMMARY**

**1 - General Information and Safety**

**2 - Controls, Instruments and Operation**

**3 - Field operation**

**4 - Lubrication and Maintenance**

**5 - Fault Finding**

**6 - Accessories**

**7 - Specifications**

**8 - First 50 hour Service Forms**

**9 - Index**





For your better and easier understanding of the document you'll find original text reproduced hereafter together with some notes

Clause of 2006/42/EC Annex II	<b>EN</b>  <b>EC Declaration of conformity According to Directive 2006/42/EC.</b>
1.A.1	We, [1]
1.A.2	Represented by Giuseppe Gavioli, CNH Europe Holding S.A. 24, Boulevard Royal L-2449 Luxembourg
1.A.3	declare under our sole responsibility, that the product:  Agricultural tractor Trade Name: [2] Model: [3] Type: [4] Serial Number: [5]
1.A.4	to which this declaration relates, fulfils all the relevant provisions of the Directive 2006/42/EC, amended by [6].
1.A.7	For the relevant implementation of the provisions of the Directive, the following (harmonised) standards have been applied:  • ISO 26322-1 part 1 or 2 Other standards: see Operators Manual
1.A.9	Place and date of the declaration: [7]
1.A.10	Name and signature of the authorised per- son: [8]

#### **HEALTH AND SAFETY RELATED STANDARDS APPLIED TO YOUR TRACTOR**

- FOPS level on your tractor cab is certified according to **OECD Code 10**.
- HVAC (Heating, ventilation Air Conditioning ) CAB is certified **Category 1** according to **EN 15695-1**.

**NOTE: See safety section 1 in this manual for further explanation and details on above mentioned standards and specific terminology.**

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*All data given in this manual is subject to production variations. The dimensions and weights provided are approximate values only and some machine features shown in this manual may not correspond to standard models. For precise information on specific models, features and specifications, please contact your authorised dealer.*

## METRIC AND IMPERIAL UNITS ABBREVIATIONS

TYPICAL APPLICATIONS	RECOMMENDED SI (METRIC) UNITS		IMPERIAL UNIT	
	NAME	SYMBOL	NAME	SYMBOL
<b>AREA</b>				
Land area	hectare	ha	acre	ha
	square meter	m <sup>2</sup>	square foot	ft <sup>2</sup>
	square millimetre	mm <sup>2</sup>	square inch	in <sup>2</sup>
<b>ELECTRICITY</b>				
	ampere	A	ampere	A
	volt	V	volt	V
	microfarad	μF	microfarad	μF
	ohm	Ω	ohm	Ω
<b>FORCE</b>				
	kilonewton	kN	pound	lb
	newton	N	pound	lb
<b>FORCE PER LENGTH</b>				
	newton per metre	N/m	pound per inch	lb/in
<b>FREQUENCY</b>				
	megahertz	MHz	Megahertz	MHz
	kilohertz	kHz	kilohertz	kHz
	hertz	Hz	hertz	Hz
<b>FREQUENCY - ROTATIONAL</b>				
	revolution per minute	r/min	revolution per minute	r/min <sup>(a)</sup>
		rpm		rpm
<b>LENGTH</b>				
	kilometre	km	mile	mi
	meter	m	foot	ft
	centimetre	cm	inch	in
	millimetre	mm	inch	in
	micrometer	μm		
<b>MASS</b>				
	kilogram	kg	pound	lb
	gram	g	ounce	oz
	milligram	mg		

TYPICAL APPLICATIONS	RECOMMENDED SI (METRIC) UNITS		IMPERIAL UNIT	
	NAME	SYMBOL	NAME	SYMBOL
<b>POWER</b>				
	kilowatt	kW	horsepower	Hp
	watt	W	Btu per hour Btu per minute	Btu/hr Btu/min
<b>PRESSURE or STRESS (FORCE PER AREA)</b>				
	kilopascal	kPa	pound per square inch inch of mercury	psi inHg
	pascal	Pa	inch of water	inH <sub>2</sub> O
	megapascal	Mpa	pound per square inch	psi
<b>TEMPERATURE (other than THERMODYNAMIC)</b>				
	degrees Celsius	°C	degrees Fahrenheit	°F
<b>TIME</b>				
	hour	h	hour	h
	minute	min	minute	min
	second	s	second	s
<b>TORQUE (includes BENDING MOMENT, MOMENT OF FORCE, and MOMENT OF A COUPLE)</b>				
	newton meter	N m N m	pound foot pound inch	lb ft lb in
<b>VELOCITY</b>				
	kilometre per hour	km/h	mile per hour	mph
	meter per second	m/s	foot per second	ft/s
	millimetre per second	mm/s	inch per second	in/s
	meter per minute	m/min	foot per minute	ft/min
<b>VOLUME (includes CAPACITY)</b>				
	cubic meter	m <sup>3</sup>	cubic yard	yd <sup>3</sup> cu yd
	litre	l	cubic inch	in <sup>3</sup>
	litre	l	US gallon UK gallon US quart UK quart	US gal UK gal US qt UK qt
	millimetre	ml	fluid ounce	fl oz

TYPICAL APPLICATIONS	RECOMMENDED SI (METRIC) UNITS		IMPERIAL UNIT	
	NAME	SYMBOL	NAME	SYMBOL
<b>VOLUME PER TIME (includes DISCHARGE and FLOW RATE)</b>				
	cubic meter per minute	m <sup>3</sup> /min	cubic foot per minute	ft <sup>3</sup> /min
	litre per minute	l/min	US gallon per minute	US gal/min
	millilitre per minute	ml/min	UK gallon per minute	UK gal/min
<b>SOUND POWER LEVEL and SOUND PRESSURE LEVEL</b>				
	decibel	dB	decibel	dB

# SECTION 1

## GENERAL INFORMATION AND SAFETY

### TO THE OWNER

#### GENERAL

This Manual has been prepared to assist you in the correct procedure for running-in, driving and operating and for the maintenance of your new tractor. Read this Manual carefully. Your tractor is intended for use in normal and customary agricultural applications.

If at any time you require advice concerning your tractor, do not hesitate to contact your authorised dealer. He has factory trained personnel, genuine manufacturers' parts and the necessary equipment to carry out all your service requirements.

Your tractor has been designed and built to give maximum performance, economy and ease of operation under a wide variety of operating conditions. Prior to delivery, the tractor was carefully inspected, both at the factory and by your dealer to ensure that it reaches you in optimum condition. To maintain this condition and ensure trouble-free operation, it is important that the routine services, as specified in Section 4 of this Manual, are carried out at the recommended intervals.

#### OPERATORS MANUAL

The Operators Manual supplied with your tractor is an important source of information and should be stored safely.

The manual is prepared specifically for your tractor so it is important that you make a note of the print number and issue date which can be found on the cover. In the event the manual is lost or damaged it can be replaced with the correct version.

A storage pocket for the Operators Manual can be found on the rear of the seat. The manual should be kept in this pocket at all times when not in use.

#### SAFETY

Pages 1-8 to 1-36 inclusive list the precautions to be observed to ensure your safety and the safety of others. Read the safety precautions and follow the advice offered **before** operating the tractor.

### CLEANING THE TRACTOR

Your tractor is a state-of-the-art machine with sophisticated, electronic controls. This should be taken into consideration when cleaning the tractor, particularly if using a high pressure washer. Even though every precaution has been taken to safeguard electronic components and connections, the pressure generated by some of these machines is such that complete protection against water ingress cannot be guaranteed.

When using a high pressure washer, do not stand too close to the tractor and avoid directing the jet at electronic components, electrical connections, breathers, seals, filler caps, etc. Never direct a cold water jet at a hot engine or exhaust.

### ELECTRO-MAGNETIC INTERFERENCE (EMC)

This tractor complies strictly with the European Regulations on electro-magnetic emissions. However, interference may arise as a result of add-on equipment which may not necessarily meet the required standards. As such interference can result in serious malfunction of the unit and/or create unsafe situations, you must observe the following:

- Ensure that each piece of non-New Holland equipment fitted to the tractor bears the CE mark.
- The maximum power of emission equipment (radio, telephones, etc.) must not exceed the limits imposed by the national authorities of the country where you use the tractor.
- The electro-magnetic field generated by the add-on system should not exceed 24 V/m at any time and at any location in the proximity of electronic components.

Failure to comply with these rules will render the New Holland warranty null and void.

## FIRST 50 HOUR SERVICE

In Section 8, at the back of this Manual, you will find the 50-hour service reports.

**IMPORTANT:** *It is important the 50 hour service is carried out as recommended to ensure your tractor provides optimum performance and efficiency.*

After you have operated the tractor for 50 hours, take your tractor, together with this Manual, to your dealer. He will then perform the factory recommended 50 hour service and complete the service report sheets (pages 8-1 and 8-3). The first sheet (page 9-1) is the dealer's copy and should be removed by the dealer after the service has been carried out. The second sheet (page 8-3) is your copy of the service performed. **Ensure that you and the dealer sign both copies.**

## SERVICE PARTS

It should be pointed out that genuine parts have been examined and approved by the Company. The installation and/or use of 'non-genuine' products could have negative effects upon the design characteristics of your tractor and thereby affect its safety. The Company is not liable for any damage caused by the use of 'non-genuine' parts and accessories. Only genuine New Holland replacement parts should be used. The use of non-genuine parts may invalidate legal approvals associated with this product.

It is prohibited to carry out any modifications to the tractor unless specifically authorised, in writing, by the After Sales Service department of the Company.

## WARRANTY

Your tractor is warranted according to legal rights in your country and the contractual agreement with the selling dealer. No warranty shall, however, apply if the tractor has not been used, adjusted and maintained according to the instructions given in the Operator's Manual.

## BIODIESEL FUELS

**IMPORTANT:** *Before using Biodiesel fuels in your tractor, refer to the information on page 4-5 regarding the storage and use of Biodiesel fuels.*

## EMISSION CONTROLS

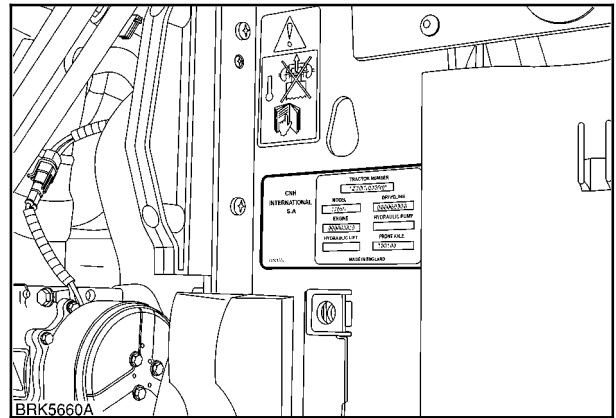
**ATTENTION:** *The engine and fuel system on your machine is designed and built to government emissions standards. Tampering by dealers, customers, operators and users is **strictly prohibited by law**. Failure to comply could result in government fines, rework charges, invalid warranty, legal action and possible confiscation of the machine until rework to original condition is completed. Engine service and/or repairs must be done by a certified technician only!*

## PRODUCT IDENTIFICATION

The tractor and major components are identified using serial numbers and/or manufacturing codes.

Tractor identification data must be supplied to the dealer when requesting parts or service and will also be needed to aid in identifying the tractor if it is ever stolen.

The following provides the locations of the identification data.



2

### Vehicle Identification Plate

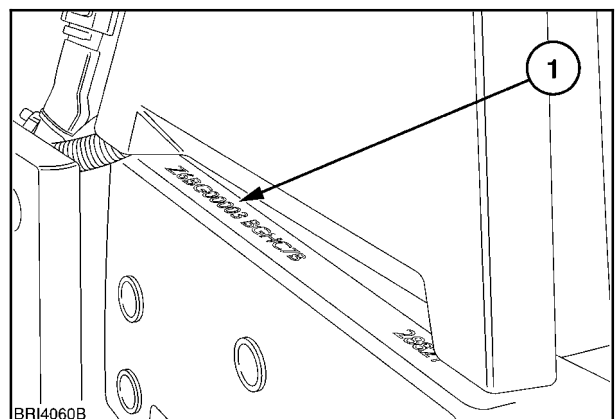
The vehicle identification plate, (1) Figure 2 is located on the left-hand radiator support. Record the information on the sample identification plate provided below.

AG TRACTOR	TRACTOR NUMBER	
	[ ]	
CNH EUROPE HOLDING S.A.	MODEL	DRIVELINE
	[ ]	[ ]
	ENGINE	HYDRAULIC PUMP
	[ ]	[ ]
	HYDRAULIC LIFT	FRONT AXLE
	[ ]	[ ]
	Made in England	

3

### Tractor Identification

The serial number and model identification information is stamped on the right-hand side of the front support (1). These numbers are also repeated on the vehicle identification plate reproduced above.



4

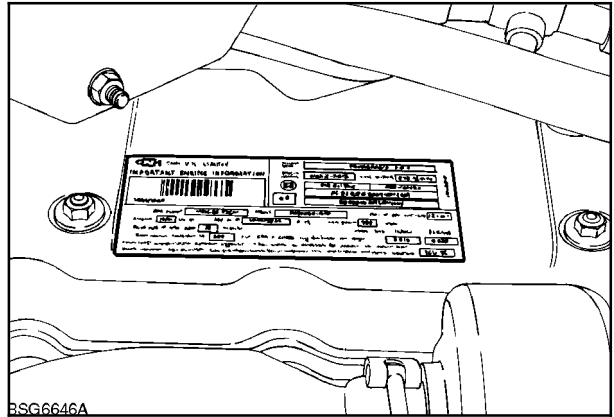
**Engine Identification**

The engine serial number and date code are stamped on the engine identification plate.

The identification plate is located on top of the engine attached to the valve cover. The plate also provides information on engine adjustments and compliance with Emission Regulations where required.

Record the information below for quick reference.

Engine Serial No. \_\_\_\_\_

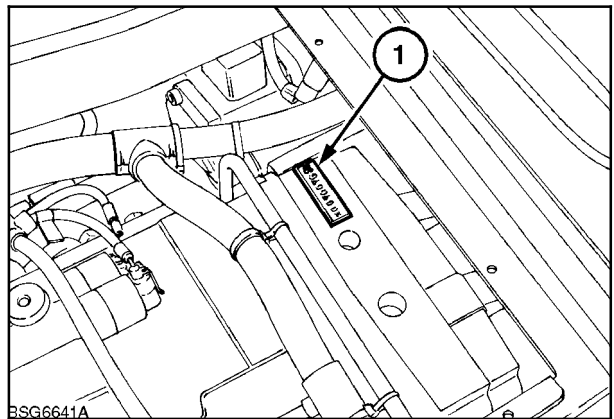


5

**Driveline Identification**

The serial number plate (1) is located on top of the transmission casing. Access to the number can be gained by removing the plate in the floor of the cab as shown in the illustration. This number is repeated on the vehicle identification plate. Record the information below for quick reference.

Driveline Serial No. \_\_\_\_\_

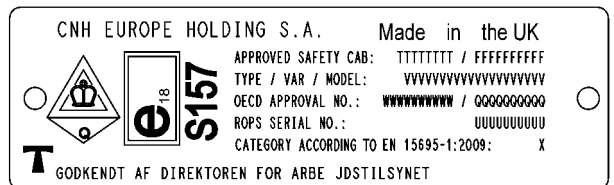


6

**Cab Identification**

The cab serial number and other information is on the OECD certification plate. This plate can be found on the right-hand side of the cab trim panel, below the rear window. Record the cab serial number below for quick reference.

Cab Serial No. \_\_\_\_\_



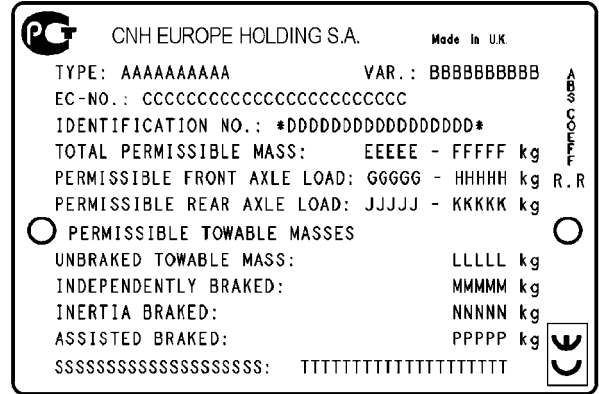
7



**Product Identification Number Plate**

The Product Identification Number plate provides important information on tractor and towed equipment weight combinations. This plate can be found on the right-hand side of the cab exterior trim panel, below the rear window.

The figures shown are the maximum permissible vehicle and towing weights and should not be exceeded, to do so may affect the safe operation of the tractor. See Drawbars and Towing Attachments in Section 3.





## ECOLOGY AND THE ENVIRONMENT

Soil, air and water are vital factors of agriculture and life in general. Where legislation does not yet rule the treatment of some of the substances which are required by advanced technology, common sense should govern the use and disposal of products of a chemical and petrochemical nature.

The following are recommendations which may be of assistance:

- Become acquainted with and ensure that you understand the relative legislation applicable to your country.
- Where no legislation exists, obtain information from suppliers of oils, filters, batteries, fuels, anti freeze, cleaning agents, etc., with regard to their effect on man and nature and how to safely store, use and dispose of these substances. Agricultural consultants will, in many cases, be able to help you as well.

### HELPFUL HINTS

1. Avoid filling tanks using unsuitable containers or inappropriate pressurised fuel delivery systems which may cause considerable spillage.
2. In general, avoid skin contact with all fuels, oils, acids, solvents, etc. Most of them contain substances which can be harmful to your health.
3. Modern oils contain additives. Do not burn contaminated fuels and/or waste oils in ordinary heating systems.
4. Avoid spillage when draining off used engine coolant mixtures, engine, gearbox and hydraulic oils, brake fluids, etc. Do not mix drained brake fluids or fuels with lubricants. Store them safely until they can be disposed of in a proper way to comply with local legislation and available resources.
5. Modern coolant mixtures, i.e. antifreeze and other additives, should be replaced every two years. They should not be allowed to get into the soil but should be collected and disposed of safely.
6. Do not open the air-conditioning system yourself. It contains gases which should not be released into the atmosphere. Your dealer or air conditioning specialist has a special extractor for this purpose and will have to recharge the system anyway.
7. Repair any leaks or defects in the engine cooling or hydraulic system immediately.
8. Do not increase the pressure in a pressurised circuit as this may lead to the components exploding.
9. Protect hoses during welding as penetrating weld splatter may burn a hole or weaken them, causing the loss of oils, coolant, etc.
10. Do not adjust the setting of the fuel delivery system as this will alter the emission of exhaust fumes.

**NOTE:** *The engines installed on the tractors comply with anti-pollution legislation.*

## 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 tractor. Equipment should be operated only by those who are responsible and instructed to do so.

### PRECAUTIONARY STATEMENTS

Throughout this Manual you will see text, preceded by the words **NOTE**, **ATTENTION**, **IMPORTANT**, **CAUTION**, **WARNING** or **DANGER**. Such text has the following significance:

#### MACHINE SAFETY

**NOTE:** This text stresses a correct operating technique or procedure.

**ATTENTION:** This text warns the operator of potential machine damage if a certain procedure is not followed.

**IMPORTANT:** This text informs the reader of something that he needs to know to prevent minor machine damage if a certain procedure is not followed.

#### PERSONAL SAFETY



The word **CAUTION** is used where a safe behavioural practice, according to operating and maintenance instructions and common safety practices will protect the operator and others from accident involvement.



The word **WARNING** denotes a potential or hidden hazard which could possibly cause serious injury. It is used to warn operators and others to exercise due care and attention to avoid a surprise accident with machinery.



The word **DANGER** denotes a forbidden practice in connection with a serious hazard.

Failure to follow the **CAUTION**, **WARNING** and **DANGER** instructions may result in serious bodily injury or even death.

### THE TRACTOR

1. Read the Operator's Manual carefully before using the tractor. Lack of operating knowledge can lead to accidents.
2. Only allow properly trained and qualified persons to operate the tractor.
3. To prevent falls, use the handrails and step plates when getting on and off the tractor. Keep steps and platform clear of mud and debris.
4. Replace all missing, illegible or damaged safety decals.
5. Keep safety decals free of dirt or grime.



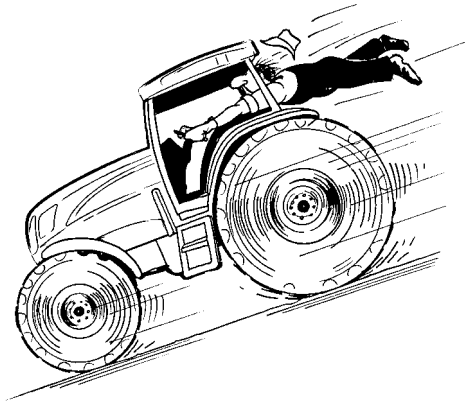
6. Do not permit anyone but the operator to ride on the tractor except for driver training or instruction. When used for these purposes an additional seat may be fitted in the cab. Passengers should not be carried on the tractor at any time.
7. Keep children away from the tractor and farm machinery at all times.
8. Do not modify or alter or permit anyone else to modify or alter the tractor or any of its components or any tractor function without first consulting your dealer.
9. Install all guards before starting the engine or operating the tractor.

**DRIVING THE TRACTOR**

1. Always sit in the driver's seat while starting or driving the tractor.
2. When driving on public roads, have consideration for other road users. Pull in to the side of the road occasionally to allow any following traffic to pass. Do not exceed the legal speed limit set in your country for agricultural tractors.
3. Use a rotating beacon and/or Slow Moving Vehicle warning when driving on public roads to indicate that the vehicle is slow moving and is a possible hazard.
4. Dip the tractor lights when meeting a vehicle at night. Make sure the lights are adjusted to prevent blinding the driver of an oncoming vehicle.
5. Reduce speed before turning or applying the brakes. Brake both wheels simultaneously when making an emergency stop. Ensure that both brake pedals are locked together when travelling at road speeds or when on public roads to ensure correct operation of trailer brakes, balanced operation of the tractor brakes and four wheel braking (4WD tractors only).



6. On four wheel drive tractors, the drive to the front axle is automatically engaged, to provide four wheel braking, when both footbrakes are applied. Owners should be aware of the effectiveness of four wheel braking which greatly enhances braking performance. Appropriate care should be exercised during fierce braking.
7. Use extreme caution and avoid hard application of the tractor brakes when towing heavy loads at road speeds.



8. Keep the tractor in the same gear when going downhill as would be used when going uphill. Do not coast or freewheel down hills.
9. For safe operation any towed vehicle whose total weight exceeds that of the towing tractor must be equipped with a braking system that complies with the legal requirements of that country.
10. Never apply the differential lock when turning. When engaged, the differential lock will prevent the tractor from turning.
11. Always check overhead clearance, especially when transporting the tractor. Watch where you are going, especially at row ends, on roads and around trees and low overhanging obstacles.
12. To avoid overturns, drive the tractor with care and at speeds compatible with safety, especially when operating over rough ground, when crossing ditches or slopes and when turning corners.



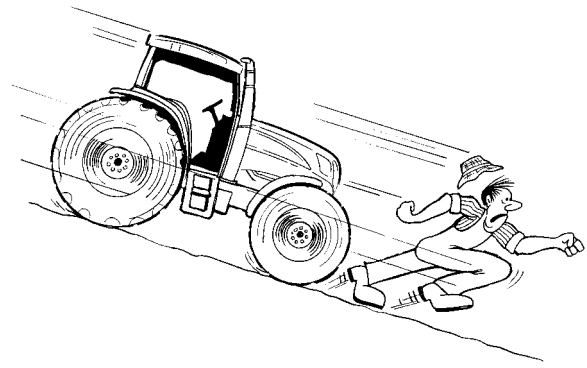
13. Use extreme caution when operating on steep slopes.
14. If the tractor becomes stuck or the tyres are frozen to the ground, reverse the tractor out to prevent overturning.

## OPERATING THE TRACTOR

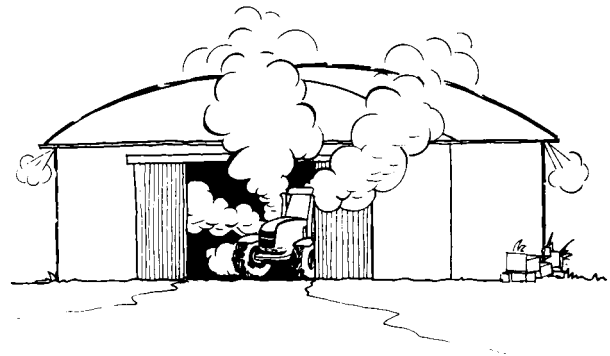
1. Apply the parking brake, place the P.T.O. control in the 'OFF' position, the lift control lever in the down position, the remote control valve levers in the neutral position and the transmission levers in neutral before starting the tractor.
2. Do not start the engine or operate controls (other than externally located hydraulic lift or P.T.O. switches, if fitted) while standing beside the tractor. Always sit in the tractor seat when starting the engine or operating the controls.
3. Do not bypass the transmission and P.T.O. neutral start switches. Consult your authorised dealer if your neutral start controls malfunction. Use jump leads only in the recommended manner. Improper use can result in a tractor runaway.



4. Avoid accidental contact with the gear shift levers while the engine is running. Unexpected tractor movement can result from such contact.
5. Do not get off the tractor while it is in motion.
6. If the power steering or engine ceases operating, stop the tractor immediately as the tractor will be more difficult to control.
7. Before leaving the tractor, park the tractor on level ground, apply the parking brake, lower attached implements to the ground, disengage the P.T.O. and stop the engine.

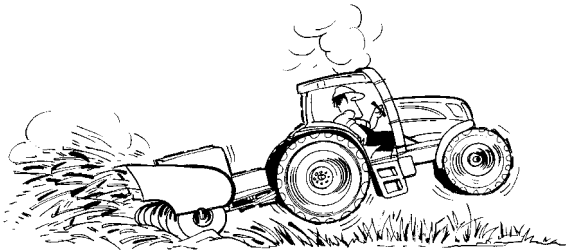


8. Do not park the tractor on a steep incline.
9. The cab is designed to provide the minimum noise level at the operator's ears and meets or exceeds applicable standards in this respect. However, noise (sound pressure level) in the workplace can exceed 85 dB(A) when working between buildings or in confined spaces, with cab windows open. Therefore, it is recommended that operators wear suitable ear protectors when operating in high noise level conditions.



10. Do not run the tractor engine in an enclosed building without adequate ventilation. Exhaust fumes are toxic and can cause death.
11. Pull only from the pick-up hitch, swinging drawbar or the lower link drawbar in the lowered position. Use only a drawbar pin that locks in place. Pulling from the tractor rear axle or any point above the axle may cause the tractor to overturn.

12. Always select Position Control when attaching equipment and when transporting equipment. Be sure hydraulic couplers are properly mounted and will disconnect safely in case of accidental detachment of the implement.



### OPERATING THE P.T.O.

1. When operating P.T.O.- driven equipment, shut off the engine, switch off the P.T.O. and wait until the P.T.O. stops before getting off the tractor and disconnecting the equipment.



13. If the front end of the tractor tends to rise when heavy implements are attached to the three-point hitch, install front end or front wheel weights. Do not operate the tractor with a light front end.

14. Engage the clutch slowly when driving out of a ditch, gully or up a steep hillside. Disengage the clutch promptly if the front wheels rise off the ground.

15. Ensure any attached equipment or accessories are correctly installed, are approved for use with the tractor, do not overload the tractor and are operated and maintained in accordance with the instructions issued by the equipment or accessory manufacturer.

16. Remember that your tractor, if abused or incorrectly used, can be dangerous and become a hazard both to the operator and to bystanders. Do not overload or operate with attached equipment which is unsafe, not designed for the particular task or is poorly maintained.

17. Do not leave equipment in the raised position when the vehicle is stopped or unattended.

18. Do not drive equipment near open fires.

19. Always wear a protective mask when working with toxic spray chemicals. Follow the directions on the chemical container.

2. Do not wear loose clothing when operating the power take-off or especially when near rotating equipment.

3. When operating stationary P.T.O.-driven equipment, always apply the tractor parking brake and block the rear wheels front and back.



4. To avoid injury, do not clean, adjust, unclog or service P.T.O. driven equipment when the tractor engine is running. Ensure that the P.T.O. is switched off.

5. Make sure the P.T.O. guard is in position at all times and always replace the P.T.O. cap when the P.T.O. is not in use.

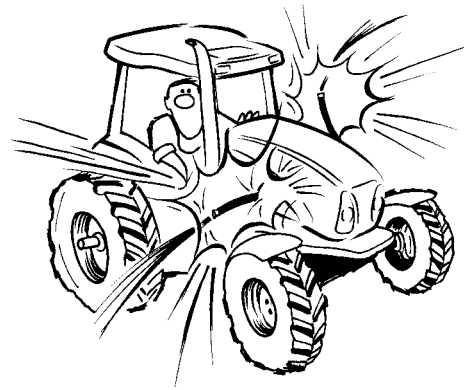
## SERVICING THE TRACTOR



1. The cooling system operates under pressure which is controlled by the expansion tank cap. It is dangerous to remove the cap while the system is hot. Always turn the cap slowly to the first stop and allow the pressure to escape before removing the cap entirely. Never remove the cap from the top of the radiator unless the expansion tank pressure cap has first been removed.
2. Do not smoke while refuelling the tractor. Keep any type of open flame away.
3. Keep the tractor and equipment, particularly brakes and steering, maintained in a reliable and satisfactory condition to ensure your safety and comply with legal requirements.
4. To prevent fire or explosion, keep open flames away from battery or cold weather starting aids. To prevent sparks which could cause explosion, use jumper cables according to instructions.
5. Do not attempt to service the air conditioning system. It is possible to be severely frost bitten or injured by escaping refrigerant. Special equipment and instruments are required to service the air conditioning system. See your authorised dealer for service.
6. Stop the engine before performing any service on the tractor.
7. Hydraulic fluid and fuel oil in the injection system operate under high pressure. Escaping hydraulic fluid or fuel oil under pressure can penetrate the skin causing serious injury.

Unqualified persons should not remove or attempt to adjust a pump, injector, nozzle or any other part of the fuel injection or hydraulic systems. Failure to follow these instructions can result in serious injury.

- Do **not** use your hand to check for leaks. Use a piece of cardboard or paper to search for leaks.
- Stop the engine and relieve pressure before connecting or disconnecting lines.



- Tighten all connections before starting the engine or pressurising lines.
  - If fluid is injected into the skin obtain medical attention immediately or gangrene may result.
8. Do not modify or alter or permit anyone else to modify or alter the tractor or any of its components or any tractor function without first consulting an authorised dealer.
  9. Continuous long term contact with used engine oil may cause skin cancer. Avoid prolonged contact with used engine oil. Wash skin promptly with soap and water. It is recommended to wear suitable gloves or use a rag.

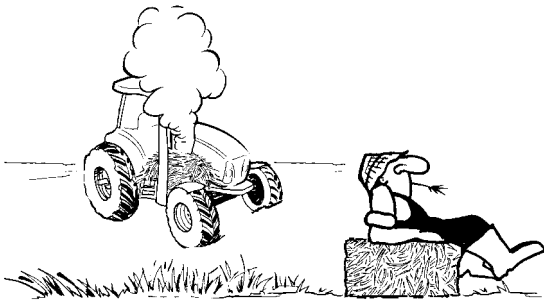
**IMPORTANT:** Wear suitable personal protective equipment (PPE) and clothing to suit the conditions and regulations in your country. This equates but not limited to protection of eyes, lungs, ears, head, hands and feet when operating, servicing or repairing the equipment. Always keep hair and clothing away from moving parts. Do not wear loose clothing, jewellery or other items that could entangle with levers and or moving parts.



10. Keep equipment clean and properly maintained.
11. Dispose of all drained fluids and removed filters properly.
12. Tractor wheels are very heavy. Handle with care and ensure, when stored, that they cannot topple and cause injury.

#### **PREVENTION OF FIRE OR EXPLOSION**

1. Due to the flammable nature of some crop materials, the risk of tractor fire can be high. This risk can be minimised by frequent removal of accumulated crop material from the tractor. If oil leaks appear, correct the fault by re-torquing the bolts or replacing the gaskets as necessary.
2. When operating in flammable crop conditions, check and remove all trash or debris from the tractor each day, especially around the engine area and exhaust system.



5. Sparks from the electrical system or engine exhaust can cause an explosion and fire. Before you operate the tractor in an area with flammable dust or vapours, use a good ventilation system to remove the flammable dust or vapours.
6. Use a non flammable cleaning solvent when cleaning parts on the tractor.
7. A fire can cause injury or death. It is advisable to have a fire extinguisher near or on the tractor when operating in conditions where a fire may occur. Ensure fire extinguishers are serviced according to the manufacturers instructions.
8. If a fire extinguisher has been used, always recharge or replace the extinguisher before operating the tractor in conditions where a fire may occur.
9. **DO NOT** store flammable materials (oil soaked rags etc.) on the tractor.

3. Sparks or open flame can cause the hydrogen gas in a battery to explode. To prevent an explosion carry out the following:
  - When disconnecting the battery cables, remove the negative (-) cable first. When re-connecting the battery cables, connect the negative (-) cable last.
  - When using jumper cables to start the engine, use only the procedure shown in Section 3 of this manual.
  - Do not short circuit the battery terminals with a metal object.
  - Do not weld, grind or smoke near a battery.
4. Periodically check the tractor electrical system for loose connections or frayed insulation. Repair or replace any damaged parts.

## FIRE EXTINGUISHER

Only operate your tractor when an approved fire extinguisher is installed.

The fire extinguisher designed location is identified on your tractor with the decal shown in the accompanying image.



### CAUTION

*Please ensure to install an appropriate and certified fire extinguisher;*

*Never alter its position or remove it.*

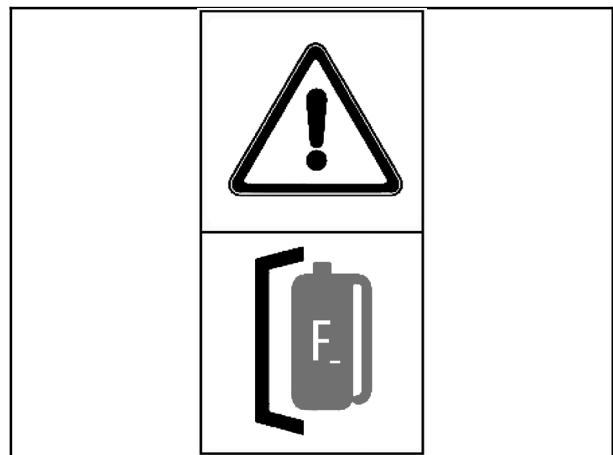
*Ensure to replace it or have it checked or refilled after every usage and/or date of expiry according to manufacturer's maintenance prescriptions.*

*It is not intended for use on an out-of-control fire, such as one which has reached the ceiling, or the operator ; it is meant only to help you*

To check if the extinguisher is still under pressure, proceed as follows:

1. Unscrew the pressure gauge from the valve
  2. The needle will go from the green area to "0" in the red area
  3. Rescrew the pressure gauge on the valve. The needle will go from "0" in the red field to the green field
- Operate the extinguisher from a safe distance.
  - **Pull** the Pin at the top of the extinguisher.

- **Aim** at the base of the fire, not the flames.
- **Squeeze** the lever slowly. This will release the extinguishing agent; extinguishing agent; If the handle is released, the discharge will stop
- **Sweep** from side to side. Using a sweeping motion, move the fire extinguisher back and forth until the fire is completely out.
- Check for re-ignition of fire.



## DIESEL FUEL

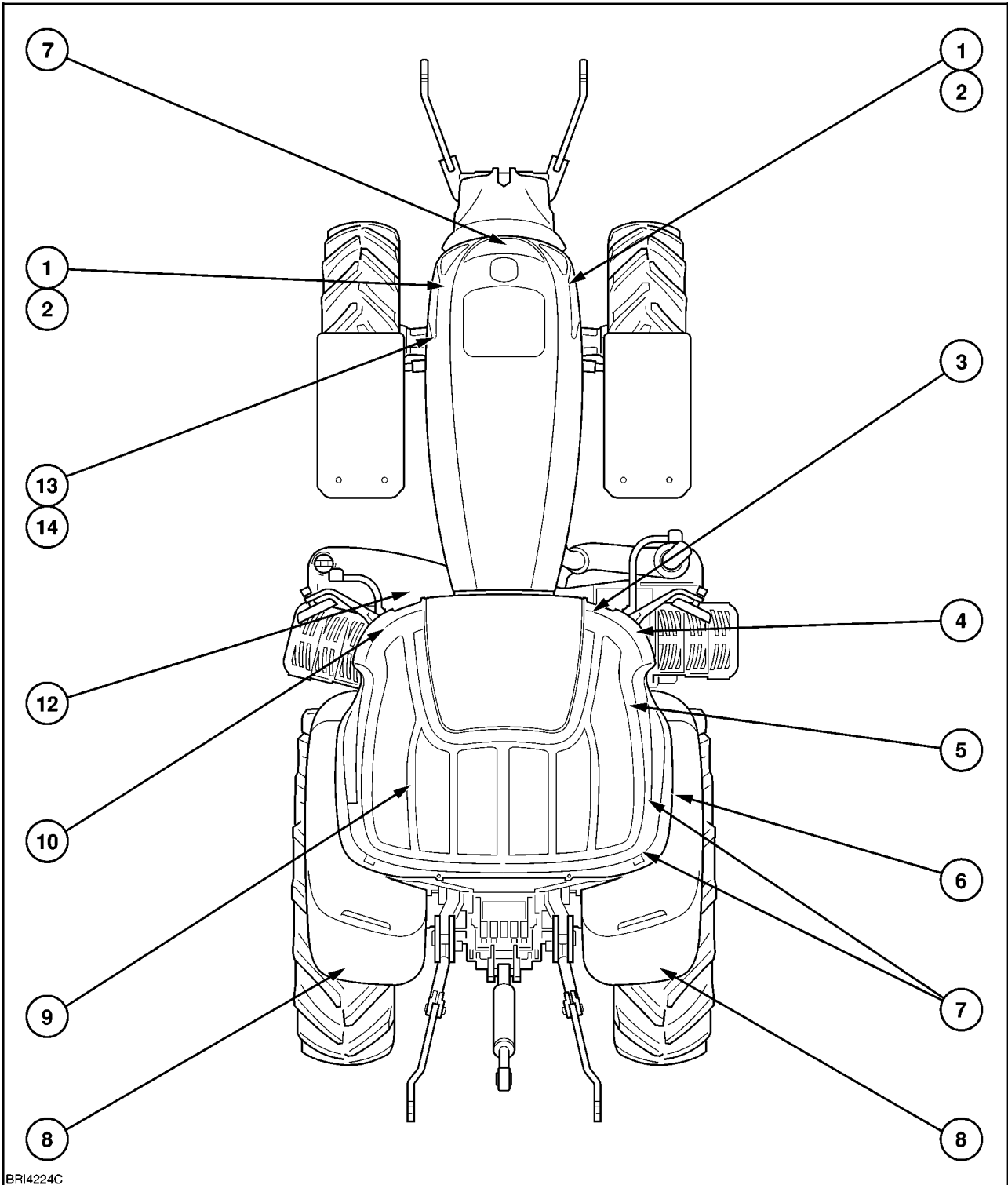
1. Under no circumstances should gasoline, alcohol or blended fuels be added to diesel fuel. These combinations can create an increased fire or explosive hazard. In a closed container such as a fuel tank these blends are more explosive than pure gasoline. Do not use these blends.
2. Never remove the fuel cap or refuel with the engine running or hot.
3. Do not smoke while refuelling the tractor or when standing near fuel. Keep any type of open flame away.
4. Maintain control of the fuel filler pipe nozzle when filling the tank.
5. Do not fill the fuel tank to capacity. Fill only to the bottom of the filler neck to allow room for expansion.
6. Wipe up spilled fuel immediately.
7. Always tighten the fuel tank cap securely.
8. If the original fuel tank cap is lost, replace it with an approved cap. A non-approved cap may not be safe.
9. Never use fuel for cleaning purposes.
10. Arrange fuel purchases so that summer grade fuels are not held over and used in the winter.



**WHENEVER YOU SEE THIS SYMBOL  IT MEANS: ATTENTION!  
BECOME ALERT! YOUR SAFETY IS INVOLVED!**

## SAFETY DECALS

The decals reproduced on the following pages were installed on your tractor in the positions indicated in the drawings below. They are intended for your safety and for those working with you. Please take this Manual and walk around your tractor, noting the location of the decal and their significance. Review the decals and operating instructions detailed in this Manual with the machine operators. Keep the decals clean and legible. If they become damaged or illegible, obtain replacements from your authorised dealer.



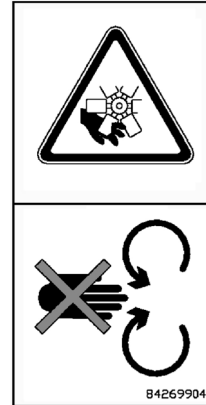
BRI4224C

## SECTION 1 - GENERAL INFORMATION AND SAFETY

1. Location:  
Left and right-hand side of fan guard

To prevent serious injury, keep hands and clothing away from rotating fan and drive belt.

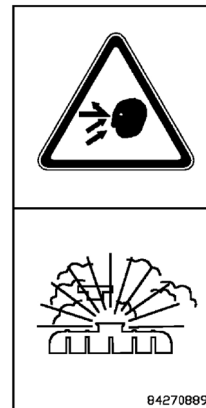
**Part No.** 84269904



2. Location:  
Left and right-hand side of radiator

Warning! Pressurised cooling system. Allow to cool then remove cap carefully. Using a cloth, turn cap to the first stop and allow pressure to subside before removing cap completely.

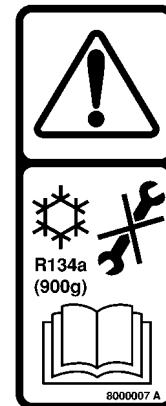
**Part No.** 84270889



3. Location:  
Air conditioning Radiator

Warning! Fluid under pressure, do not disconnect any lines. Read Operator's Manual.

**Part No.** 84206707                      900g  
**Part No.** 84206708                      1000g  
**Part No.** 84206709                      1100g

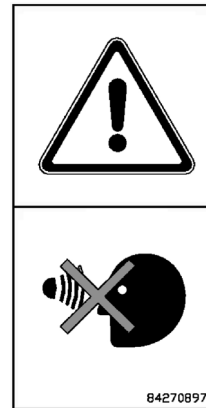


SECTION 1 - GENERAL INFORMATION AND SAFETY

4. Location:  
Radar sensor mounting bracket

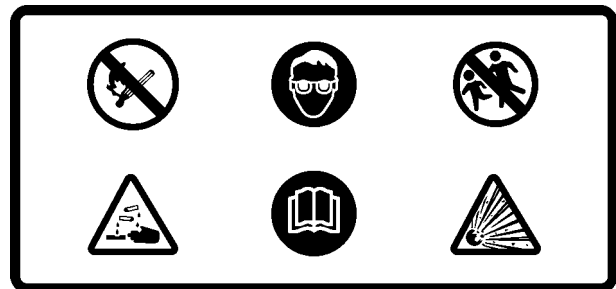
To avoid possible eye damage from micro-wave signals emitted by the radar sensor, do not look directly into the sensor face.

**Part No.** 84270897



5. Location:  
Top of battery

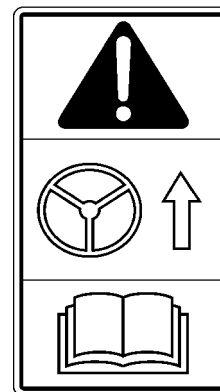
Danger! Corrosive acid. Explosive gas. Wear eye protection. Avoid producing sparks. See Operator's Manual.



6. Location:  
Right-hand 'A' pillar inside cab

Warning! De-activate Fast Steer system before travelling on the highway. Read Operator's Manual.

**Part No.** 87331567



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