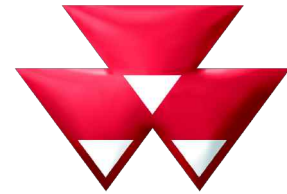


Operator's Manual



MASSEY FERGUSON

MF 3700 Series tractors

MF 3707

MF 3708

MF 3709

MF 3710



Beauvais

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Beauvais - France - RC B562 104 539

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Original Operator's Manual

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1.1 Introduction

1.1.1 Introduction

TO OUR CUSTOMER:

The following pages and illustrations are printed to help supply you with the knowledge required for operation and service of your new tractor.

Any item of equipment needs, and must have a certain amount of service and maintenance to keep it in top running condition. We have attempted to cover the various adjustments required to fit most conditions; however, there may be times when additional special care must be taken to fit a given condition.

Study this operator's manual carefully and acquaint yourself with the various adjustments and operating procedures before attempting to operate your new equipment. Remember, it is a machine and has been designed and tested to do an efficient job in most operating conditions and performance will be maximized in relation to the service it receives.

If special attention is required for some operating conditions, ask your Dealer; his Parts and Service Organization will be glad to help and answer any questions on operation and service of your new machine.

ATTENTION:

become alert your safety is involved!

This symbol is used to draw attention to safety precautions that should be followed by the operator to avoid accidents. When you see this symbol - heed its warning.

THIS MANUAL MUST REMAIN WITH THE TRACTOR WHEN SOLD

This manual was prepared from the latest product information available at publication time. The Company reserves the right to make changes at any time without prior notice or obligation.

WARRANTY INFORMATION

Your warranty for this tractor appears on your copy of the Retail Purchase Order and Warranty Terms and Conditions Statement which you received from your Dealer when you purchased the Tractor.

As indicated on the Retail Purchase Order signed by you and your Dealer, you, the equipment purchaser, shall assume charges for service calls or transportation of equipment to and from the location of the servicing dealer.

Service Part

The use of non-approved parts may result in a part of substandard quality. The company will not accept the responsibility for any loss, damage or liability resulting from the use of such parts. Using non-approved parts may result in the manufacturer's warranty being invalidated.

If You Move

The Customer is responsible for machine inspection and for replacement or repair of worn or damaged parts when continued use could cause damage or wear to other parts.

It is also the responsibility of the Customer to deliver the machine to an authorised Dealer for service or replacement of parts covered by the warranty. When requesting warranty service from a Dealer other than the selling Dealer, the Customer must present a copy of the Delivery Record for the unit.

If the Dealer is requested by the Customer to travel to another location, or to haul the unit to the Dealer's shop for the purpose of performing warranty service or inspection, it is for the Customer's convenience and cost of such travel is to be paid by the Customer.

Service After Warranty

During the warranty period, you should have all your repairs and maintenance performed by your authorised Dealer. This ensures that a detailed check is kept on the progress and performance of your new tractor.

In order to obtain the best results from your Massey Ferguson tractor, it is important that regular maintenance and service checks continue after the warranty period has expired. Make use of your local dealer for all major tractor services; a trained mechanic should spot any problems between one service and the next.

The mechanics are regularly trained and updated on the product, servicing techniques and the use of modern service tools and diagnostic equipment. Dealers receive regular Service Bulletins, have Workshop Manuals and other such technical information to ensure that the repair or service is to the standard required by the company.

Model: _____

Serial number: _____

Engine serial number: _____

Owner's name: _____

Street: _____

Postcode: _____

Town: _____

County: _____

Country: _____

Dealer code: _____

☐ Factory ☐ Other dealer (transfer)

Notes: _____

1. Tractor Identification

1.3 Locating serial number

1.3.1 Locating Serial Number

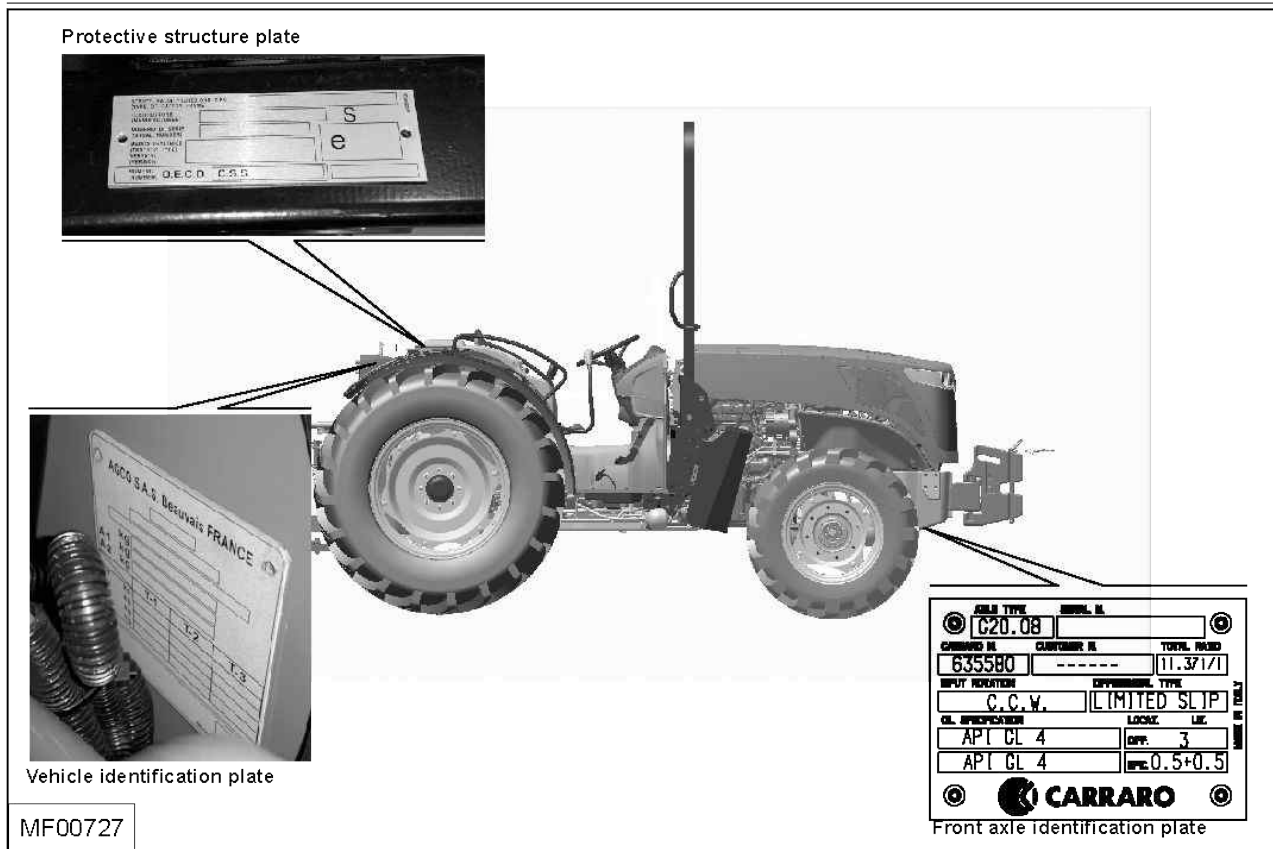


Fig. 1

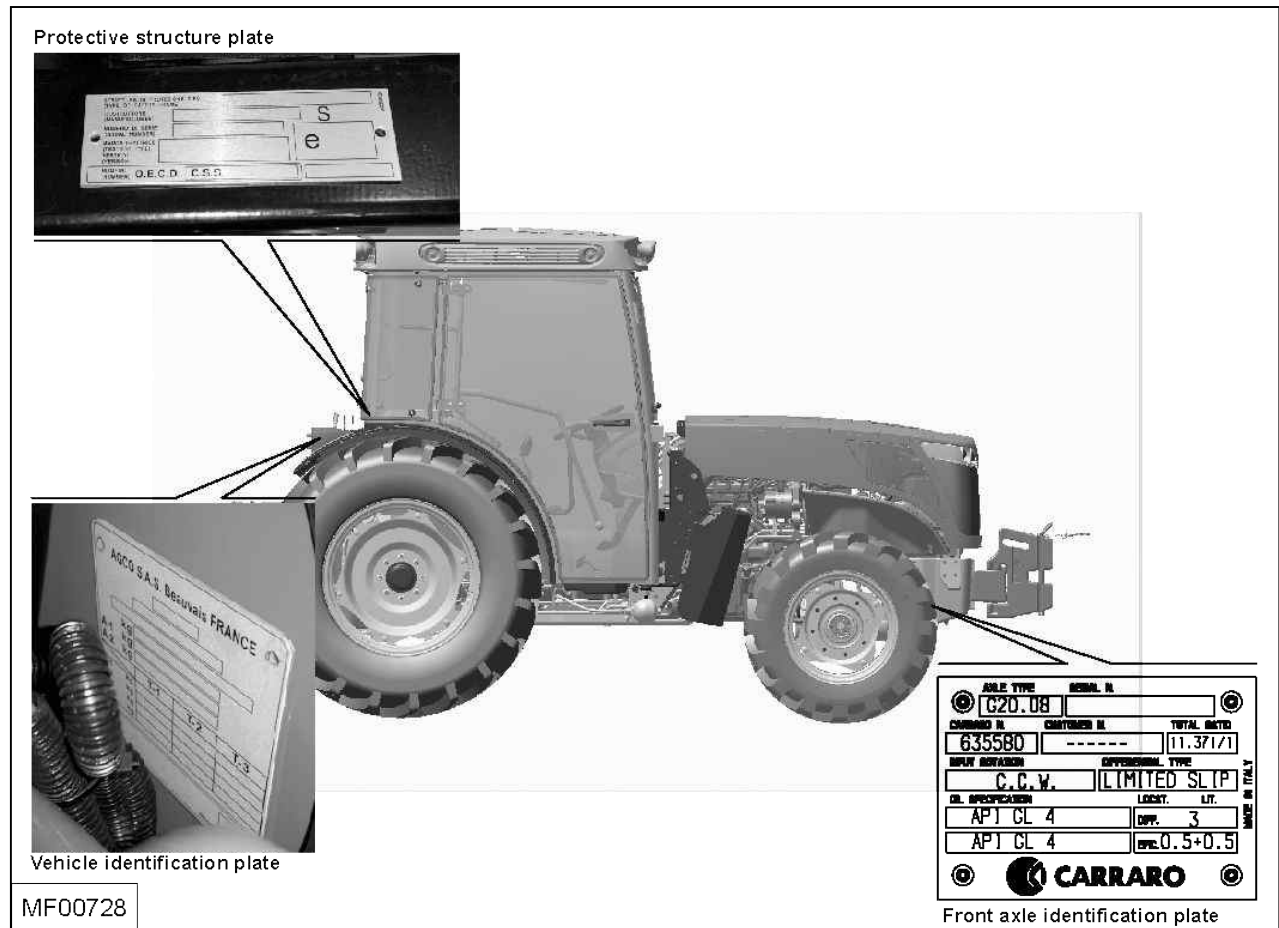


Fig. 2

Tractor serial number



Fig. 3

1. Tractor Identification

Transmission serial number

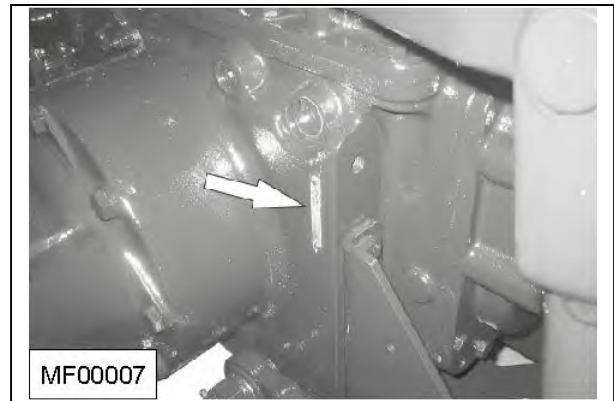


Fig. 4

ENGINE MAJOR COMPONENTS

- (A) Fuel Pre-filter
- (B) Oil filter
- (C) Injection pump
- (D) Primary fuel filter
- (E) Feed pump

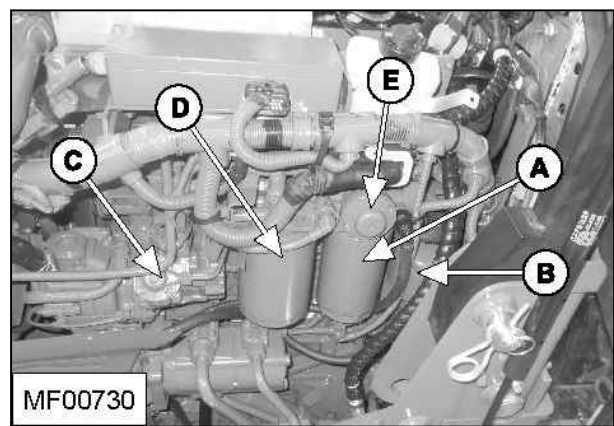


Fig. 5

- (F) Oil cap with oil dipstick

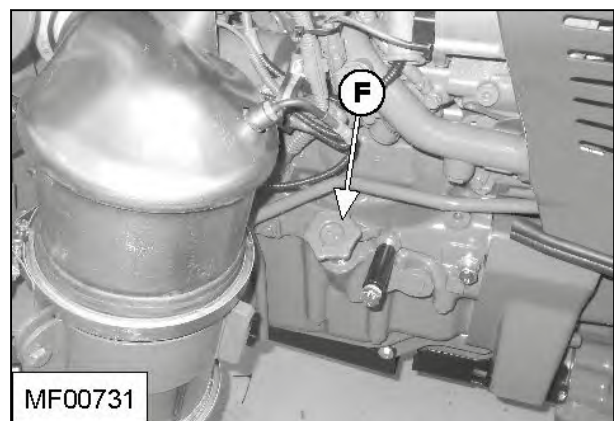


Fig. 6

- (G) Hydraulic pump
- (H) Engine identification plate

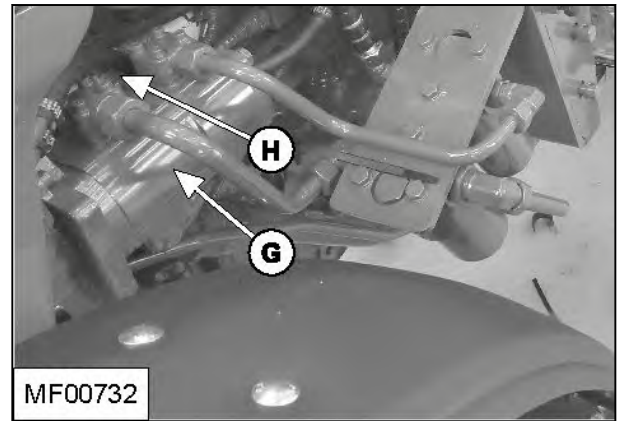


Fig. 7

- (I) Starter motor
- (L) Alternator

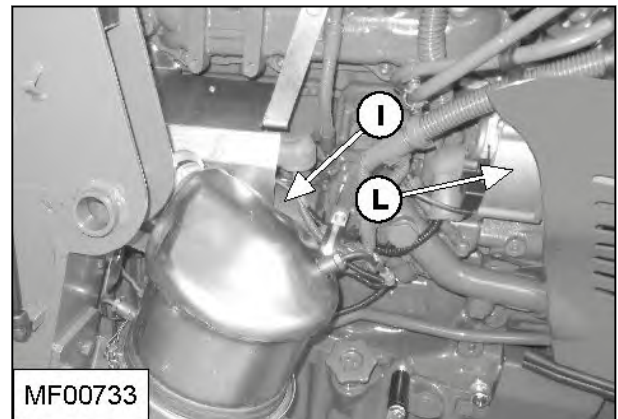


Fig. 8

- (M) Engine electronic control unit

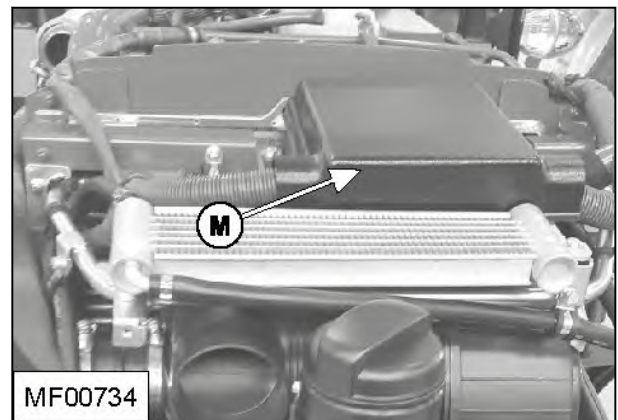


Fig. 9

1. Tractor Identification

1.4 Measure Unit

1.4.1 Metric and Imperial units abbreviations

TYPICAL APPLICATIONS	RECOMMENDED SI (METRIC) UNITS		IMPERIAL UNIT	
	NAME	SYMBOL	NAME	SYMBOL
AREA				
	hectare	ha	acre	ha
	square meter	m²	square foot	ft²
			square inch	in²
	square millimetre	mm²	square inch	in²
ELECTRICITY				
	ampere	A	ampere	A
	volt	V	volt	V
	microfarad	µF	microfarad	µF
	ohm	Ω	ohm	Ω
FORCE				
	kilonewton	kN	pound	lb
	Newton	N	pound	lb
FORCE PER LENGTH				
	Newton metres	N/m	pound per inch	lb/m
FREQUENCY				
	Megahertz	MHz	Megahertz	MHz
	kilohertz	kMz	kilohertz	kMz
	hertz	Hz	hertz	Hz
FREQUENCY - ROTATIONAL				
	revolution per minute	r/min	revolution per minute	r/min
		rpm		rpm
LENGTH				
	kilometre	km	mile	mi
	meter	m	foot	ft
	centimetre	cm	inch	in
	millimetre	mm	inch	in
	micrometre	µm		
MASS				
	kilogram	kg	pound	lb
	gram	g	ounce	oz
	milligram	mg		
POWER				
	kilowatt	kW	horse power	Hp



	watt	W	Btu/hour	Btu/hr
			Btu/minute	Btu/min
PRESSURE OR STRESS (FORCE PER AREA)				
	kilopascal	kPa	pound per square inch	psi
			inch of mercury	inHg
	pascal	Pa	inch of water	inH₂O
	megapascal	MPa	pound per square inch	psi
TEMPERATURE (other than THERMODYNAMIC)				
	degrees Celsius	°C	degrees Fahrenheit	°F
TIME				
	hour	h	hour	h
	minute	m	minute	m
	second	s	second	s
TORQUE (includes BENDING MOMENT, MOMENT OF FORCE, and MOMENT OF A COUPLE)				
	Newton per metre	N m	feet-pounds	lb ft
			inch-pound	lb in
VELOCITY				
	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
VOLUME (includes CAPACITY)				
	cubic meter	m³	cubic yard yd ³	(cu yd)
	litre	l	cubic inch	in³
	litre	l	US. gallon	US gal
			U.K. gallon	UK gal
			US quart	US qt
			U.K. quart	UK qt
	millilitre	ml	fluid ounce	fl oz
VOLUME PER TIME (includes DISCHARGE and FLOW RATE)				
	cubic meter per minute	m³/min	cubic foot per minute	ft³/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
SOUND POWER LEVEL and SOUND PRESSURE LEVEL				
	decibel	dB	decibel	dB

1. Tractor Identification

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2.1 Introduction - Safety instruction

2.1.1 Introduction - Safety Instruction

Operator's Manual

NOTE:

This Operator's Manual is widely published and distributed and the availability of the attachments indicated, whether fitted to the basic tractor or as an accessory, may vary depending on the country or region in which the tractor is used. To find out which attachments are available in a given region, contact a Massey Ferguson dealer.

The purpose of this manual is to enable the owner and the operator to operate the tractor appropriately under normal conditions of use. Providing they follow the instructions carefully, the tractor will give many years of service in the Massey Ferguson tradition.

Use for any other activity (particularly forestry work) is considered to be contrary to the intended use.

The commissioning of equipment by the Massey Ferguson dealer on the user's premises enables the dealer to ensure that these operating and service instructions are properly understood. Always consult the Massey Ferguson dealer if there is any part of this manual that you do not understand. It is important that these instructions are understood and followed.

This manual does not cover all operation and safety instructions relevant to the implements and accessories that may be fitted at the time of tractor delivery or later. It is essential that operators use and understand the Operator's Manuals relating to these implements and accessories.

IMPORTANT:

This manual must always be kept with the tractor. For extra copies, contact your Massey Ferguson dealer.

This chapter in the Operator's Manual highlights certain basic safety-related situations that may be encountered during normal operation and servicing of the tractor and provides the information needed to handle these situations.

This chapter supplements any safety instructions given in other chapters of this manual.

It may be necessary to take additional precautions, depending on the implements and accessories used and the working conditions on-site or in the service area. Massey Ferguson can under no circumstances exercise direct control over the commissioning, operation, inspection, lubrication or servicing of the tractor. It is therefore YOUR responsibility to take suitable safety precautions in such areas.



WARNING:

It is your responsibility to read and understand the instructions that appear in this chapter before using the tractor.

They must then be strictly adhered to throughout the working day.

Servicing, spare parts, accessories and conditions of use

Daily servicing should become a routine, and a logbook of operating hours should be kept.

When spare parts are required, it is important to use only genuine parts. Massey Ferguson dealers supply genuine parts and can offer advice concerning their fitting and use. The use of lower quality parts may cause serious damage. Customers are advised only to purchase their spare parts from an approved dealer. In the same way, you must only use accessories specifically adapted to your tractor.

Owing to the considerable variation in operating conditions, it is not possible for the manufacturer to formulate complete or absolute assertions in its publications concerning the performance or operating methods of its machines or to accept liability for any loss or damage which may result from such assertions or possible errors or omissions.

If the tractor is to be used in abnormal conditions which could cause damage (use in deep water or in paddy fields for instance), you should consult your Massey Ferguson dealer to obtain special instructions to prevent the warranty from becoming void.

2. Safety instructions and safety points – Warranty

These tractors are designed only for usual farming activities (intended use). Use for any other activity (particularly forestry work) is considered to be contrary to the intended use.

Strict compliance with the repairs, service and operating conditions as specified by Massey Ferguson is also an essential component of the intended use.

IMPORTANT:

Massey Ferguson accepts no responsibility in the event of damage to equipment or personal injury resulting from improper use.

The tractor must only be used, serviced and repaired by personnel who have full knowledge of its specific features and who are aware of the applicable safety measures (prevention of accidents).

Customers are strongly advised to contact a Massey Ferguson dealer in the event of after-sales problems and for any adjustments which may be necessary.

2.1.2 Foreword

Massey Ferguson tractors are designed and manufactured to offer trouble-free performance for many years. We developed them to offer the best working conditions possible for both comfort and safety. Agricultural work always involves various hazards. Therefore it is better to be aware of them and act accordingly. Please note the following points requiring your utmost attention (not limited to these). Please contact your dealer for any further information about the tractor.



WARNING:

This tractor is designed solely for use in customary agricultural or similar use ("intended use"). Use in any other way is considered as contrary to the intended use ("unintended use"). The manufacturer accepts no liability for damage or injury resulting from this misuse, and these risks must be borne solely by the user. The tractor is designed to drive, carry and activate various attachments towed or mounted, however within specific physical restraints. Use the tractor solely for the specific operations it was designed for: push, pull, tow, drive and carry various interchangeable attachments conceived for agricultural works. Use of tractors in forestry is limited to specific applications such as transport, stationary works (such as log splitting), propulsion or equipment with PTO, electrical or hydraulic system. Normal operations for these applications do not entail any risk of falling or cutting objects. Any forestry application different from the above, such as moving forward and loading, requires adjustment of the specific components according to application (FOPS, Falling Object Protection Structure and/or OPS, Operative Protective Structures).



CAUTION:

3707, 3708, 3709, 3710 tractors are NOT equipped with OPS protection structure.

Working speed and performance might be affected by several factors such as climate and soil conditions. Even though the tractor is designed for use of various equipment combinations, different factors might considerably limit the tractor and/or the mounted or towed attachments performance.

Do not use the tractor for other purpose than the manufacturer's intended one as specified in this manual.

Before starting the engine or an operation, make sure nobody is standing by the tractor, the attachments and the work area. Never set your hands, feet and clothes close to the moving components.

Failure to strictly abide by these precautions when using the tractor or improper use could lead to serious injury. Pay attention to the hazards deriving from tractor use. Most common injury cases are due to:

- Tractor tipping over
- Collisions with motor vehicles
- Non-conforming starting procedures
- Entangling in PTO shafts
- Fall from the tractor
- Crushing and injury when mounting attachments

To avoid injury, take the precautions below:

- Never jump on or off the tractor while it is moving.
- Keep children and any unauthorised staff away from the tractors and all attachments.
- Drive the tractor only using type-approved seats with safety belt.
- Ensure all protections / covers are duly in place.
- Use suitable visual and acoustic warning indications when working on public roads.
- Move to the side of the road before stopping.
- Decrease speed when steering, applying one brake at a time or working on bumpy or dangerous steep sloping ground.
- Couple brake pedals together when driving on the road.
- Pump on brake pedal to stop on slippery ground.
- Pay attention when towing heavy loads and stopping. Stopping distance increases with speed, weight of towed load and downhill slope. Towed load, with or without brakes, if too heavy for the type of tractor or towed at too high a speed could make you lose control of the tractor. Consider overall equipment and load weight.
- Fix any towed load solely to the approved devices or the vehicle might tip back.
- Engage the parking mechanism (e.g. parking pawl, parking brake).
- Before getting off, stop the engine, move attachment down to the ground and securely engage the parking mechanism (e.g. parking pawl, parking brake). After that, also remove the key if leaving tractor unattended. If you leave a gear engaged with engine stopped, tractor movement is NOT inhibited.
- Disable all hydraulic distributors.
- Disengage the PTO.
- Keep away from the PTO or attachments in operation.
- Before any maintenance intervention to the machine, wait until all movements halt.
- This tractor is not designed for use as recreational vehicle.
- The tractor can be equipped with various safety control sensors. Tripping of these sensors establishes safety operating conditions. Do not try to disable these functions since this might lead to serious danger and tractor might respond in an unpredictable way.

NOTE:

It is not possible to list all potential risks.

2.1.3 Safety — Symbols and terms

Signal



This safety alert symbol means CAUTION! BE ALERT! YOUR SAFETY DEPENDS ON IT!

The safety alert symbol identifies important safety notices on machines, safety signs, in instruction books or elsewhere. When you see this symbol, be alert to the risk of injury or death. Follow the instructions in the safety notice.

SAFETY is paramount! Why?

- ACCIDENTS DISABLE AND KILL
- ACCIDENTS ARE COSTLY
- ACCIDENTS CAN BE AVOIDED

Terms

The terms **DANGER**, **WARNING** and **CAUTION** are used with the safety alert symbol. It is essential to learn how to recognize these safety messages and to follow the recommended safety measures and instructions.

2. Safety instructions and safety points – Warranty



DANGER:

indicates an imminently hazardous situation which, if not avoided, will result in DEATH or VERY SERIOUS INJURY.



WARNING:

indicates a potentially hazardous situation which, if not avoided, could result in DEATH or SERIOUS INJURY.



CAUTION:

indicates a potentially hazardous situation which, if not avoided, may result in MINOR or MODERATE INJURY.

The terms **IMPORTANT** and **NOTE** are not directly related to personal safety, but are used to provide additional information and advice on the operation or maintenance of equipment.

IMPORTANT: *identifies specific instructions or procedures which, if not strictly applied, could damage or destroy the tractor, its equipment or the surrounding area.*

NOTE: *identifies points of particular interest for the most effective and suitable operation or repair.*

2.1.4 Safety instruction

2.1.4.1 Forestry Applications

Standard tractors do not offer sufficient protection against forestry application risks such as trees or branches falling on the protection structure and penetration of objects into the protection structure.

2.1.4.2 Precautions before starting

Before starting the engine, make sure all controls are set to neutral position, especially the power take-off lever. Start the engine only in well ventilated environment. Before starting the tractor, ensure that nobody is standing nearby. Completely loosen the hand brake before moving off. Do not approach any job if tractor conditions are not satisfactory.

2.1.4.3 Wear safety gear

Wear close fitting clothing and safety equipment appropriate for the job. Operator's full attention is required to work in safety conditions. Do not wear earphones for radio or music when operating the machine. DO NOT wear loose clothes, jewels or other objects and gather up your hair, if long, since it could get entangled in the controls or other tractor parts.

2.1.4.4 Noise protections

Prolonged exposure to loud noise can cause impairment or loss of hearing. To protect yourself against loud noise, use a suitable ear protector such as earmuffs or ear plugs.

2.1.4.5 Proper use of steps and hand grips

To avoid any fall, always face the machine when getting on and off. Keep 3 support points using steps and handrail. Never hold onto machine controls. Be extremely careful when mud, snow or humidity create slippery conditions. Keep steps clean and free from oil or grease. Never jump off the machine. Never jump on or off the vehicle while it is moving.



WARNING:

Fall hazard! Jumping on or off the machine could cause an injury. Always face the machine, use the handrails and steps, and get on or off slowly. Maintain a three-point contact to avoid falling: both hands on the handrails and one foot on the step, or one hand on the handrail and both feet on the steps. Failure to comply could result in death or serious injury. Get on and off the machine only by using the specific accesses equipped with a handrail, steps or ladder. Do not jump off the machine. Check that the steps, ladders and platforms remain clean and clear of debris and foreign matter. Slippery areas can be a cause of accidents. Never get on or off the machine while in movement. Do not use the steering wheel or any other controls or accessories as a handrail when getting into or out of the cab.

2.1.4.6 Tractor Conditions

Maintaining the tractor in perfect conditions and respecting the maintenance intervals (for oil change, top-ups, reconditioning, adjustments and full cleaning) will allow you to work under the best safety and performance conditions.

2.1.4.7 Adjustment and maintenance operations

Keep away from the tractor hot parts such as the engine, the exhaust or the transmission. Should you need to work on overhanging or hot parts, wear gloves or use a rag. Wear safety goggles.

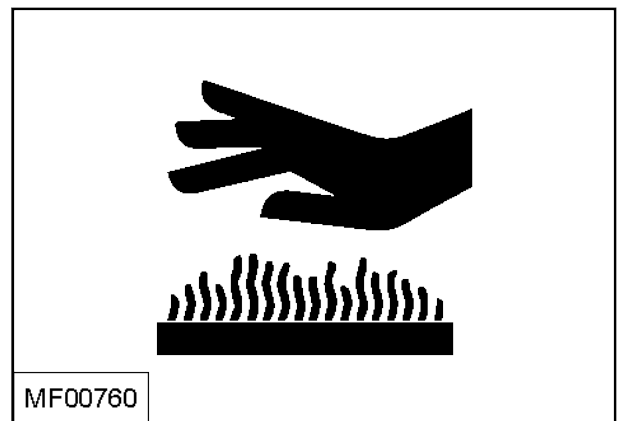


Fig. 1

2.1.4.8 Safe maintenance of the cooling system

The pressurised coolant system could blast out some fluid causing serious burns. Wear safety gloves and goggles. If coolant is ejected onto skin or eyes, immediately wash with plenty of water and seek medical advice.



CAUTION:

Before removing radiator cap, stop the engine and let system cool down. Before completely removing the cap, slowly loosen it until the first stop to release the pressure.

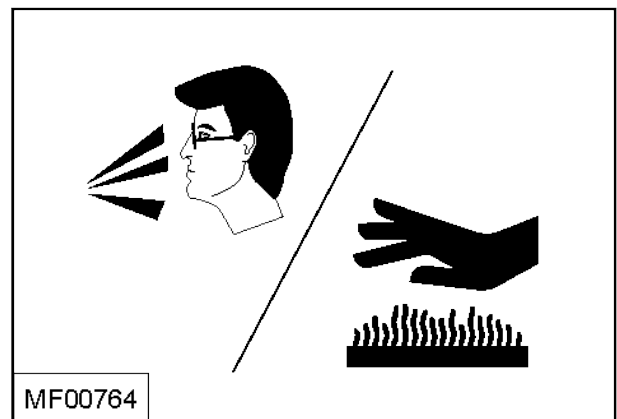


Fig. 2

2. Safety instructions and safety points – Warranty

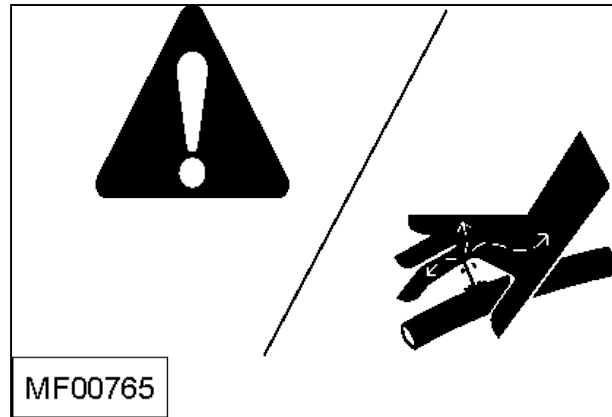


Fig. 3

2.1.4.9 Hydraulic system

Transmission oil is used as hydraulic fluid for the lift and external connections. Inspect the tractor before starting the engine and once a day. Check the tractor and attachment hydraulic system. Repair or replace any leakage or damaged parts. Look for evidence allowing you to find a leakage from the tractor hydraulic system (traces of oil on the ground or on tractor).



WARNING:

Diesel fuel or hydraulic fluid under pressure could be injected in your skin or eyes leading to serious injury, blindness or even death. Pressurised liquid/fluid leakage might be not visible. Search for leaks with a piece of cardboard or wood. NEVER work bare handed. Wear safety goggles to protect your eyes. Any fluid injected into the skin MUST be surgically removed within a few hours by a doctor familiar with this type of injury.

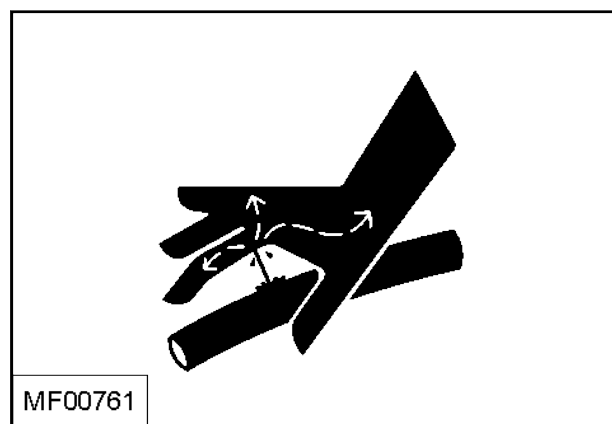


Fig. 4

Never loosen a coupling when circuit is pressurised. After the engine is stopped, when hydraulic circuits pressure is released, a residual pressure could remain -locally- especially before and after the hydraulic accumulators. Before working on the hydraulic circuit:

- Set attachments down until they rest on the ground (Front loader - Front lift - Rear lift).
- Stop the engine.

Allow oil to cool down before working on the circuit, or oil flow could cause burns and scalds. Always stop the engine before proceeding with the maintenance and lubrication operations.

2.1.4.10 Electric System

Interventions on the electrical system shall be exclusively performed by qualified staff. In case of need (for installing any accessory, radio accessories, etc.), contact your authorised service centre. Moreover:

- Before attempting any work on the electrical circuit, always disconnect the battery negative pole.
- Never replace a faulty fuse with a higher rating one. Fire hazard.
- Never work on elements like the generator or fan while engine is running.
- Carry out any welding operations strictly following the recommendations given.

Do not start the engine by making a jumper across the starter motor wires. If the normal electrical circuit is disabled the engine will start if gear is engaged. NEVER start the engine if you are not on the machine. Start the engine only from the driving position, with gear in neutral or in parking position.



CAUTION:

The battery gives off gases that might explode. Keep batteries away from sparks and flames. Check the electrolyte level inside the battery using an electric torch. Do not check the battery charge by connecting the two poles with a metallic object. Use instead a voltmeter or a densimeter. Remove the battery negative terminal (–) first and refit it last. The sulphuric acid contained in the battery electrolyte is poisonous and caustic for the skin and tissues, and also causes blindness in contact with the eyes.

Prevent the risks as follows:

- Top up batteries in well-ventilated rooms
- Wear protective goggles and rubber gloves
- Do not clean the batteries with compressed air
- While topping up, do not breathe the fumes released by the electrolyte
- Do not spill or spread the electrolyte
- Use the correct starting procedure

If acid gets in contact with the skin or eyes:

- Immediately rinse the skin.
- Apply some sodium bicarbonate or limewater to neutralise the acid.
- Wash your eyes with water for 15/30 minutes.
- Immediately seek medical advice.

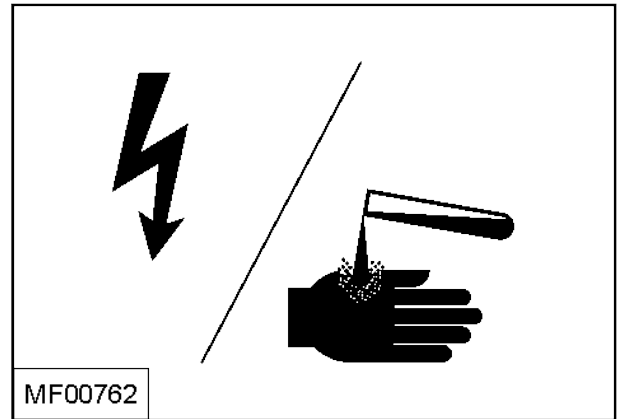


Fig. 5

2. Safety instructions and safety points – Warranty

If you swallow some acid:

- Do not induce vomit
- Drink much water or milk, no more than 2 litres.
- Immediately seek medical advice.

2.1.4.11 Setting the machine on support

If tractor shall be set onto some supports, first of all choose a perfectly flat, sturdy enough support surface. Do not use waste blocks or hollow bricks to support the machine or any other material susceptible to collapse under continuous load. Never work under a machine supported by just a jack. Use suitable supports for the load to be supported. When using equipment or accessories together with the machine, always strictly follow the safety precautions given in the operator's manual of the accessory or equipment. Before attempting any intervention on the machine, always set the accessory or equipment to the ground.

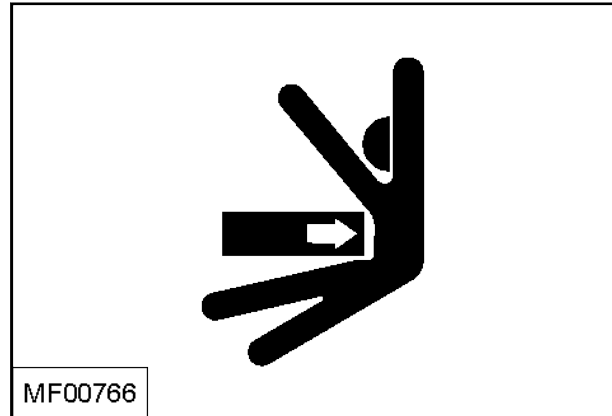


Fig. 6

4-wheel drive tractor:

- If the rear axle is on the supports, do not start the engine (the tractor could in fact move if you work the brakes (service brake or hand brake).
- If the rear axle is onto a support and if engine shall be started, the front axle must be set onto a support, too.

2.1.4.12 Road Circulation

Under all circumstances, comply with the regulations about driving wheeled agricultural tractors applicable in the country of use. When driving the tractor on a public road, take several preventive measures.



WARNING:

DO NOT allow riders on the tractor nor on the towed equipment.

- Be familiar with the foreseen itinerary.
- Use flashers or beacon to drive on the road, at day or night, unless forbidden by law.
- Pay utmost attention when towing a load at transport speed, especially if the towed equipment has NO brakes.
- Respect all local or national rules about tractor's speed on the road.
- Use utmost care if doing the transport on snowy or slippery roads.
- Wait until the traffic allows tractor entry on the public road.
- Pay attention to any blind road crossing. Slow down until your visibility improves.
- DO NOT try to pass at any road crossing.
- Slow down in case of hairpin bends and turns.
- Describe wide and soft bends.
- Signal your intention to slow down, stop or turn.
- Shift down gears before driving uphill or downhill.
- Keep tractor's drive. DO NOT let the tractor move forward by inertia with clutch disengaged or gear in neutral.
- Do not move onto the lane for incoming traffic.
- Drive you vehicle in you lane as close as possible to the road side.
- If vehicles are queuing behind the tractor, set aside and let them pass.

- Drive carefully. Foresee the actions of the other drivers.
- When towing a load, start braking in advance and gradually slow down.
- Pay attention to any possible obstacles above the vehicle.
- Make sure the load does not hide any warning lights or other lights.
- Couple brake pedals together.

2.1.4.13 Road transport

Before driving the tractor on a public road, take several preventive measures.

- Become familiar with all applicable laws and abide by them.
- Couple brake pedals together.
- Raise all attachments in transport position and lock them in place.
- Reduce all attachments to the most compact transport configuration.
- Disengage the PTO and differential blocking.
- Ensure that any flag indicating clearance or hazard lights are in place and operating.
- Ensure you use a suitable fixing pin featuring a clip retainer.
- Clean the cat's eyes and front and rear road lights, then make sure they work.

Ensure the tractor and equipment are equipped with slow motion vehicle signals (SMV) and any other marking recommended to improve your visibility, or a beacon - if the law so requires.

2.1.4.14 Safe towing

Stopping distance increases with speed, trailer or equipment weight and downhill slope. Towed load, with or without brakes, if too heavy for the type of tractor or towed at too high a speed could make you lose control of the tractor. Consider overall vehicle and load weight. When towing loads on rough surfaces, in a bend or on slopes, proceed with further care.

2.1.4.15 Tractor track

To minimise any risk of tipping over, always use the maximum allowed track for the operation to perform.

2.1.4.16 Fuel

Handle Diesel fuel with care since it is highly flammable. DO NOT smoke while refuelling. Keep away from any free flames. Stop the engine and allow for it to cool down before refuelling. Fill Diesel fuel cans in the open air. Before filling the fuel tank, ensure that no mobile phone is nearby. Prevent fire by keeping the machine clean, free of dirt, grease and residues. Always clean any fuel spillage.

IMPORTANT:

Use suitable vessels to handle fuel. These vessels shall be used only for this operation.

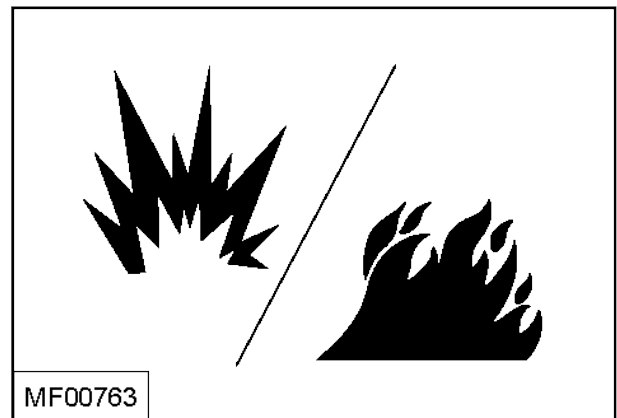


Fig. 7

2. Safety instructions and safety points – Warranty

2.1.4.17 Roll over protection structures (ROPS)

This tractor features a Roll Over Protection Structure (ROPS) or a ROPS safety cab protecting the operator in case the machine tips over. Keep the roll over protection structure (ROPS) in fully extended and locked position. If the roll over protection structure is used in the folded position (e.g. to enter in a small building), drive with utmost care. When roll over protection structure is folded, DO NOT use the safety belts. Before using the tractor under normal conditions, take the roll over protection structure to fully extended and locked position. In this conditions, always use the safety belts. It is recommended to abide by the following precautions:



CAUTION:
The list provided concerning the possible cases of overturning is incomplete.

- Do not use the tractor on slopes or in such conditions as to jeopardise its safety and stability. Beyond its limits, the tractor could tip over or roll over. Strictly comply with the recommendations given in this manual and pay special attention when running down steep slopes with tractor loaded.
- Do not drive tractor on or close to the edge of ditches, canals, banks or embankments with loose bottom or dug-out by rodents. The tractor could sink on one side and tip over.
- Do not use the tractor on bridges or crossings that are unstable and/or have loose bottom or insufficiently strong. Do not use the tractor on bridges or crossings that are unstable and/or have loose bottom or insufficiently strong.
- Do not use the tractor beyond its dynamic stability limits. High speed, harsh driving and narrow bends run at high speed increase risk of tipping over.
- Do not use the tractor for towing or extraction jobs if you do not know the extent of pulling effort, like for instance in log pulling. The tractor could roll over to the back if the log is hard to pull.
- Pay utmost attention when using the tractor on piles of silage products with no cement boundaries. To increase tractor side stability you can either install twin wheels or increase track.
- Be careful since tractor centre of gravity could shift upward while lifting loads with the front loader or three-point hitch. In these conditions the tractor might suddenly tip over.

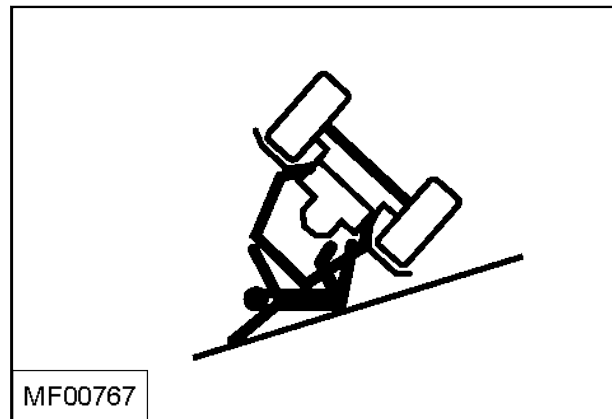


Fig. 8

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