Operator's Manual

MASSEY FERGUSON

MF4200
Tractor

Canoas
AGCO do Brasil - Av. Guilherme Schell, 10260 –
Canoas/ RS

Original Operator's Manual

July 2014
6269696M4
English

1. Safety

1.4.5 Cleaning the tractor

- Keep work surfaces and engine compartments clean.
- Before cleaning the machine, always lower the implements to the ground, place the transmission in neutral, set the parking brake, turn off the engine and remove the ignition key.
- Clean the steps, pedals and operator's platform. Remove grease or oil. Clean any dust or mud. In winter, remove the snow or ice. Remember: Slippery surfaces are dangerous.
- Remove and keep tools, chains or hooks.

1.4.6 Protect the environment

It is illegal to pollute sewers, streams and the ground. Waste must be sent to authorised sites, far from urban or conservation areas. In addition, dirty oil removed from the tractor must be stored in suitable containers before being disposed of. If in doubt, consult the local authorities.

1.7 Road Transport

Before you operate your tractor on public roads, some precautions must be taken:

- Familiarise yourself with and comply with the regulations applicable to your machine.
- Lock brake pedals with the union lock.
- Lift all implements to the transport position and lock them in this position.
- Place all implements on the narrowest transport setting.
- Turn off the tractor PTO and disengage the differential lock.
- Make sure that all the warning lights are in place and working.
- Clean all front and rear reflectors and traffic lights and make sure they are working.

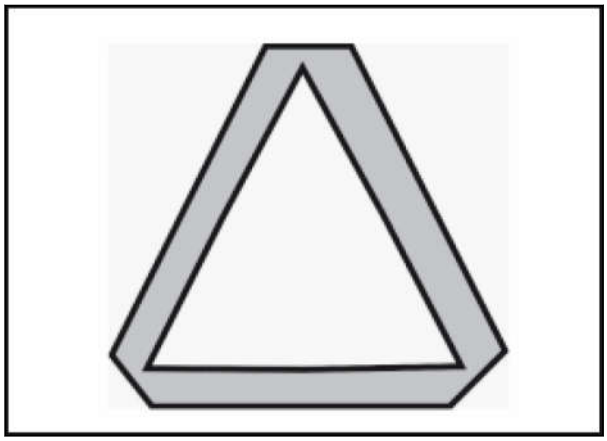

Fig. 18

- Make sure that both the tractor and implements are equipped with slow-moving vehicle warning triangles and other marking materials to improve visibility on the road, where the law requires.

1.7.1 Rules of the Road

When operating your tractor on public roads, some precautions must be taken.

ATTENTION: *Never allow anyone to walk on towed or mounted equipment.*

- Know the path of the tractor.
- Use the hazard lights when driving on highways, day and night, unless prohibited by law.
- Be careful when towing loads at transport speeds, especially if the towed equipment does not have brakes.
- Observe all local or national regulations related to the speed of the tractor.
- Be careful when transporting equipment on slippery roads or roads covered by snow or ice.
- Wait for vehicle traffic to cease before entering the road.
- Be careful at intersections or crossings, because they affect visibility. Slow down until you have a good view of the road.
- Do not try to pass other vehicles at intersections or crossings.
- Slow down when turning.
- Make manoeuvres and turns wide and slow.
- Signal when you intend to slow down, stop or turn.
- Change to a lower gear before going up or down hills.
- Keep the tractor engaged. Do not go down slopes with the clutch disengaged and the transmission in neutral.
- Do not disturb vehicle traffic by staying in the middle of the road.
- Drive in the proper lane, keeping as close to the curb as possible.
- If the traffic is backing up behind you, pull over and wait for vehicles pass.
- Drive defensively. You should be able to predict what other drivers will do.
- When towing a load, start braking sooner than normal and reduce speed gradually.
- Be careful with obstacles such as trees, etc.
- Make sure that the load is not obstructing the warning lights or any other light.

2.2 Description of decals

Position of the decals

ATTENTION: *Do not remove, do not cover and do not damage the warning decals on the tractor. Replace any damaged, lost or illegible decals. Your Dealer will be able to provide you with the decals.*

You will find decals as presented below on your tractor. Know their meanings:

Fig. 7

2.3 Important Data

Knowledge of this information may prevent unexpected occurrences. Respect the limits of the equipment when using PPE to avoid serious outcomes.

1. Maximum operating speed

   It is recommended that you do not exceed 40 km/h
2. Noise level:

Cab Model	85 to 86 dBA
Platform Model	92 dBA

3. Vibration value:

   Values not available

Fig. 9

Reverse	Lever (3)	Lever (4)	Lever (4)
1st	R	B	Tortoise
2nd	R	A	Tortoise
3rd	R	B	Hare
4th	R	A	Hare

12x4 transmission

8x8 transmission

This lever selects 1st, 2nd, 3rd and 4th gear and the transmission group, Tortoise or Hare.

Forward	Lever (6)	Lever (6)	Lever (5)
1st	1	Tortoise	F
2nd	2	Tortoise	F
3rd	3	Tortoise	F
4th	4	Tortoise	F
5th	1	Hare	F
6th	2	Hare	F
7th	3	Hare	F
8th	4	Hare	F

Reverse	Lever (6)	Lever (6)	Lever (5)
1st	1	Tortoise	R
2nd	2	Tortoise	R
3rd	3	Tortoise	R
4th	4	Tortoise	R
5th	1	Hare	R
6th	2	Hare	R
7th	3	Hare	R
8th	4	Hare	R

NOTE: *To identify which transmission group (Hare or Tortoise) is engaged, check the dashboard.*

3.3 Instrument panel and keys

3.3.1 Instrument panel overview

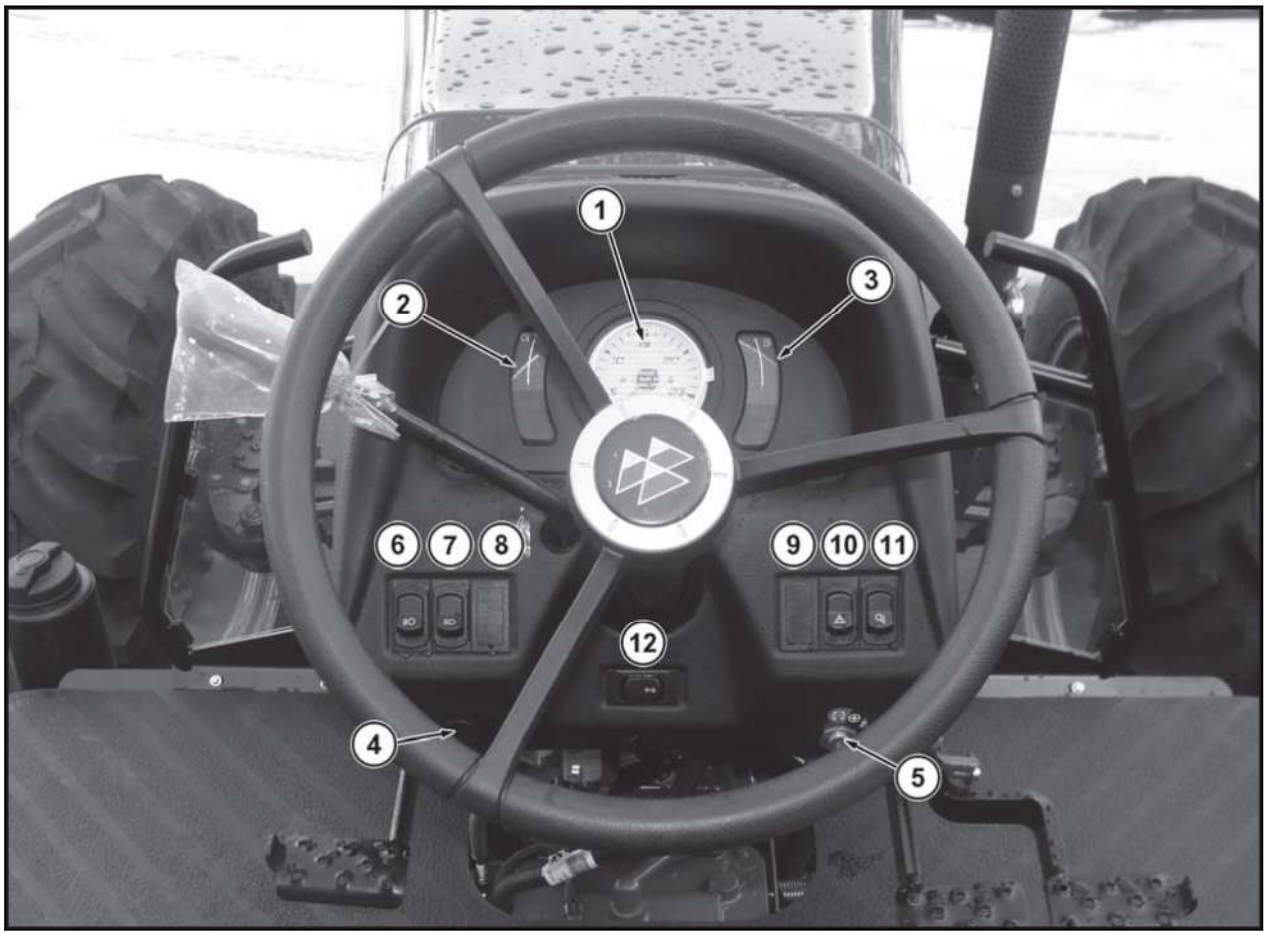

Fig. 34

(1) Tachometer
(2) Digital indicator - Engine temperature
(3) Digital indicator - Fuel tank
(4) Clutch 2nd stage stop (If installed)
(5) Ignition key
(6) Lighting activation button
(7) High or Low light selector button
(8) Module not used
(9) Module not used
(10) Hazard flasher activation button
(11) Tail light activation button
(12) Directional flasher activation button

(12)	Side windows	The side windows are pivoted on hinges at the back edge. To open them, push the lever out.

Fig. 48 Rear-view mirrors

(13)	Rear-view Mirrors	Rear-view mirrors can be adjusted. Use the following procedure if you need to adjust a mirror's position: • Mirror angle: Turn the mirror on the vertical axis by loosening the screw (13A). Then retighten it. • Moving forward or backward: Loosen the screws (13B) and reposition the mirror frame (mirror + frame) as needed. Then retighten them. When installed, the distance of the mirror can also be adjusted in relation to the cab by adjusting the length of the mirror frame.

Fig. 49 Object holders

(14)	Object holders	They allow a number of useful objects to be stored inside the cab.
(16)	Ashtray	

Procedure

1. With the tractor on a flat surface, lift the axle of the wheels that need ballasting and support it with secure, reinforced stands.
2. Rotate the wheel as follows:
   - Diagonal tyres: Position the valve at the highest point ("12 o'clock" position), which corresponds to the filling of 75% of the internal volume of the tyre.
   - Radial tyres: Position the valve at the "4 or 8 o'clock" position, which corresponds to the filling of 40% of the internal volume of the tyre.
3. Remove the valve using universal pliers. Firmly secure it to prevent it from being thrown away.
4. Install the device in the figure above, which is connected to a water hose, in place of the valve. The function of this device is to allow the outlet of air from inside the tyre chamber.
5. **IMPORTANT:** *Never fill tyres completely with water! This leaves them without flexibility to absorb shocks (impacts) imposed by irregularities in the terrain*

   When the tyre is filled with the recommended volume of water (75% or 40%), the excess will be drained through the overflow tube (1) of the device. Detail of the tyre inflation valve with water and removal of air through the tube (1).
6. Remove the device, reinstall the valve and inflate the tyre with compressed air, with the valve still facing up.
7. **NOTE:** *Calcium chloride/water solutions are suitable for cold climates where anti-freeze solutions are needed at temperatures up to minus 35 °C (minus 31°F).*

   Calibrate to a pressure of 30 pounds to ensure correct seating of the tyre beads at the rim.

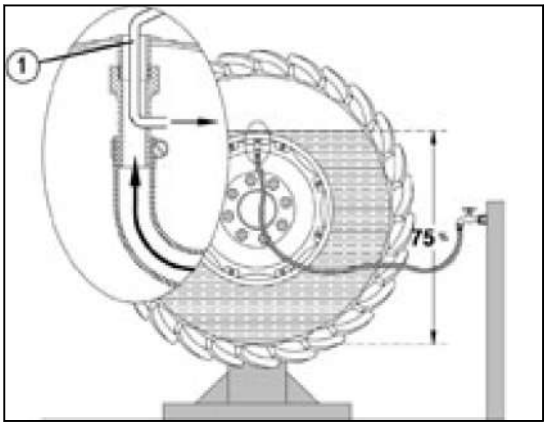

Fig. 3

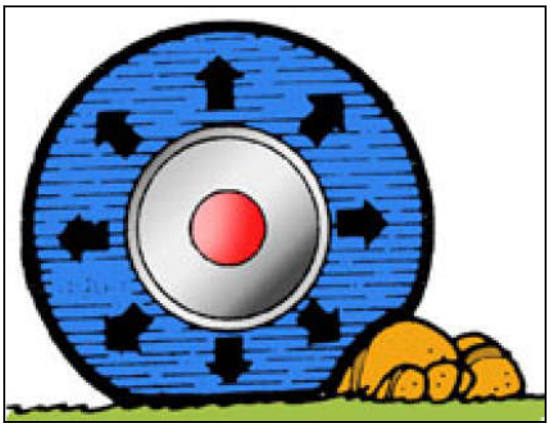
Fig. 4

4.1.4 Draining water from the tyre

Procedure

1. **NOTE:**

   The water inside the tyre is under high pressure. Position the tractor in an open area so that the jet of water from the valve does not present a danger.

   Position the wheel of the tractor with the valve at the bottom of the rim and remove it firmly and carefully.
2. Let all the water drain out and then calibrate the tyre with air, to the recommended pressure.

Wheel Set Combinations

MF4298	Front	9.00-16F2 (6L)	9.00-16F2 (10L)	10.00-16 F2 (8L)	14.9-24R1 (6L)	14.9-24R2 (6L)	14.9-26R1 (6L)	14.9-28R1 (6L)	14.9-28R2 (6L)	290/95 R34
Rear	Disc/Rim Type	Medium hub	Large hub	Medium hub	Plate	Plate	Plate	Plate	Plate	Plate
18.4-34R1 (10L)	Die-cast - PAVT	x	x		x					
18.4-38R1 (10L)	Lightweight die-cast			x			x			
18.4-38R1 (10L)	Heavy die-cast			x			x			
20.8-38R1 (10L)	Lightweight die-cast			x				x		
23.1-26R2 (8L)	Plate	x	x			x				
23.1-30R1 (10L)	Die-cast			x			x			
23.1-30R2 (8L)	Plate			x					x	
23.1-30R2 (8L)	Die-cast			x					x	
24.5-32R1 (10L)	Die-cast							x		
320/90 R50	Plate									x

4.3.2 Operation with Dual Wheels

Dual wheels allow the tractor to be used on low support soils, such as those that are sandy, loose or excessively moist and soggy.

This feature, therefore, should not be considered as a solution to increase traction power on firm, dry ground, in services that require extreme forces of traction: This only overloads the power train!

When doubling a tractor's wheels, follow the following recommendations:

- Only put water ballast in the inner tyres;
- The pressure of the outer tyres should be around 15% lower than the inner tyres, which should be calibrated according to the table in the Maintenance section.
- Tightening the wheel nuts: This procedure must be conducted more frequently.

Fig. 18

4.6 Roll-Over Protective Structure (ROPS)

The ROPS is designed to protect the operator in the event that the tractor rolls over. The top of the ROPS can be folded for transport by truck, or when the tractor is being used in field conditions where height limits its use. When the ROPS is folded, the safety belt should not be used. Take extra care in these conditions. The structure does not protect the operator when in the folded position.

The ROPS must always be kept in a vertical position, unless you are operating in the situations described above.

Always keep the ROPS in a vertical position and latched. In this condition, the safety belt should be used and latched.

If the ROPS is damaged during operation:

- Do not:
  - Weld, drill, fold or detach.
  - Use the tractor with the damaged ROPS.
  - Attach chains, ropes or cables to the frame to pull anything. Only pull from the tractor draw bar.
- Do:
  - Make sure that the structure is properly attached to the tractor.
  - Ensure that all components are in order, to provide the desired protection
  - Only use original MASSEY FERGUSON parts to ensure the integrity of the structure during its maintenance.

The following additional safety precautions must be strictly observed:

CAUTION:

- **Use a seat belt at all times, except when the top part of the structure is folded. Adjust the belt comfortably.**
- **If the tractor rolls over, hold the steering wheel firmly. Do not attempt to jump from the tractor. However, if the ROPS is folded, leave the tractor immediately.**
- **Ensure that the safety decals are unobstructed or covered for future reference at all times.**
- **A plastic canopy does not protect the operator against falling objects.**

4.13 Engagement and use of front-wheel drive

Front-wheel drive provides greater traction efficiency, i.e., you get more traction force with the same engine power.

The draw bar must be used for jobs that require traction force, as is the case for soil preparation operations and traction for heavy trailers. Therefore, do not operate the drive when travelling freely on roads or for light services that do not require high traction forces.

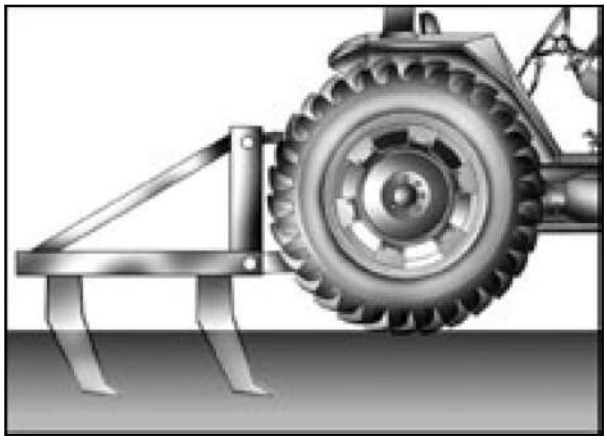

Fig. 55

The 4x4 front axle differential incorporates a mechanism that automatically distributes the drive torque (force) to the wheels.

This substantially reduces wheel slippage, without the need for operator interference, resulting in greater traction force, reduced tyre wear and higher yield of the tractor.

This feature is of great importance, especially in conditions where the wheels do not grip the ground equally on both sides: The wheel with less grip is slipping excessively.

In this situation, the torque distribution system exerts a blocking action of up to 45%, enough to re-establish traction conditions in normal use of the tractor.

Fig. 56

4.15.6 Hydraulic lift system

NOTE:

Caution when operating these controls. Be sure to check for pedestrians near the tractor and the implement.

The hydraulic system joins the tractor and the implement as a single unit, with the implement controlled hydraulically. This system has the following controls:

Traction control

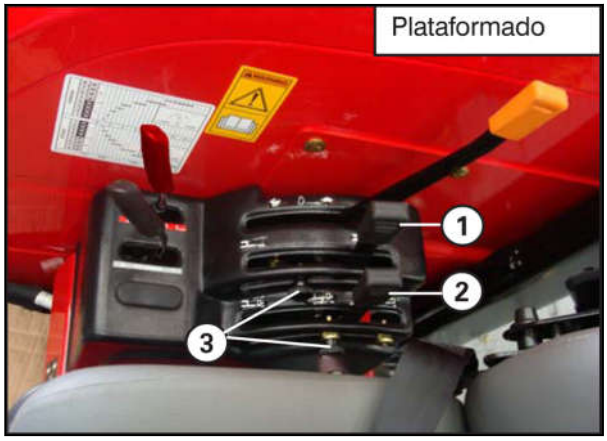

Fig. 74 Platform

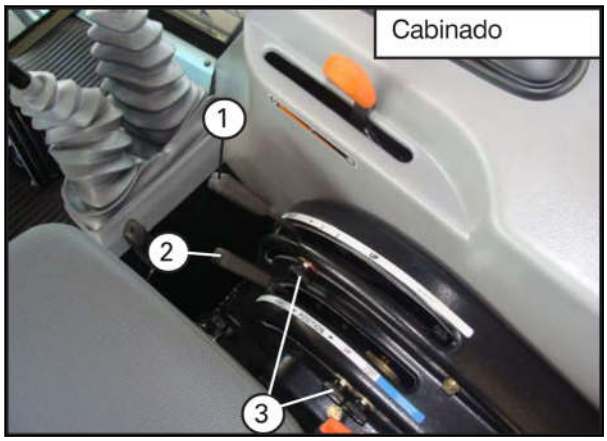

Fig. 75 Cab

(1)	Traction control	Operates in the yellow range (traction) of the quadrant and is used to control the depth of operation of soil implements. The further forward the handle is positioned ("down" position), the greater the depth reached by the implement will be, i.e. the deeper it will penetrate into the soil. By pulling the lever further back ("raise" position) in the quadrant, the implement will work closer to the surface.
(2)	Position control	Operates in the red (position and transport) and blue (constant pumping) ranges of the quadrant. The red line is used to control the working height of implements that operate above the ground.

4.17 Using the brakes

WARNING:

Maximized and uniform braking power. When driving on roadways, the brake pedals should be joined by the union lock (2)

- Whenever you dismount the tractor, all brakes must be engaged.
- When the tractor is performing stationary work, even if only for a short time, the parking brake should always be engaged
- The independent brakes (1) can be used to assist you in turns, but always at low speeds. Never use only one of the pedals when you are operating the tractor at higher speeds.
- Make sure that the parking brake is fully disengaged before starting to drive the tractor.

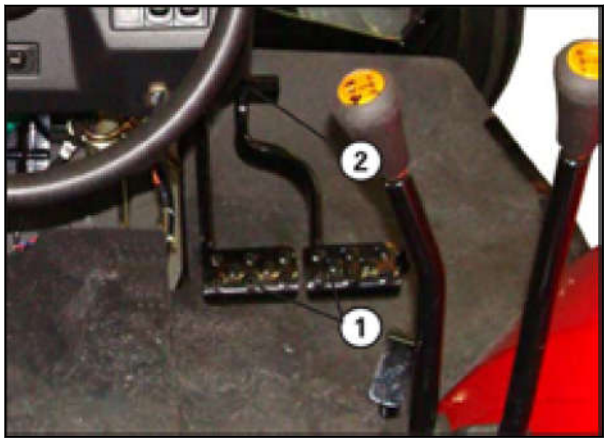

Fig. 97

4.17.1 Making sharp turns

1. Release the brake pedal lock (2).
2. Apply the brake on the side to which you want to turn or manoeuvre, e.g., if you want to make a turn or manoeuvre to the right, then you should press the right brake pedal and turn the steering wheel in the same direction.
3. Before driving normally on the roadway again, you must lock the brake pedals again.

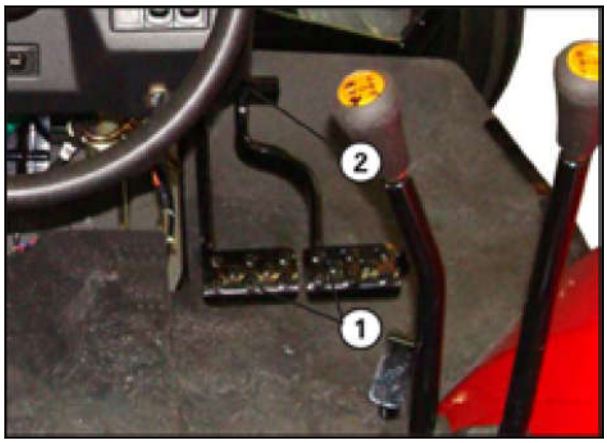

Fig. 98

Periodic Maintenance		10 hours or daily	50 hours or weekly	250 hours	500 hours	1000 hours
Position	**Engine, fuel and cooling system**					
01	Clean the engine	When necessary				
02	Fill fuel tanks at the end of each day	X				
03	Check the oil level and top up, if necessary, with the recommended oil	X				
04	Drain water and impurities accumulated in the filter and sedimenter	X				
05	Check the engine belts	X				
06	Check the coolant level (If necessary, top it up. Check to make sure the ratio of water and ethylene glycol is correct.)	X				
07	Clean the main radiator and all fins of the radiator elements. Whenever necessary	X				
08	Remove any dust accumulated in the discharge valve of the air filter. Clean the air pre-filter if installed.	X				
09	Check the filter and air supply system: Tightness of clamps, condition of hoses, restriction indicator, turbo components, etc.		X			
11	Replace the engine oil filter			X		
12	Change the engine oil			X		
13	Replace the fuel filter element			X		
14	Adjust/Replace the engine belts				X	
15	Clean the crankcase vent hose				X	
16	Check the tightness of the clamps and the condition of fuel and cooling system hoses				X	
17	Check the general operating condition of the engine: Temperature, pressure, performance					X
18	Check the slack and general condition of the water pump					X
19	Drain, clean and refill the fuel tanks					X
20	Change the primary air cleaner element whenever the restriction indicator lights up on the dashboard, or every 1000 hours or annually, whichever occurs first	Whenever the restriction indicator lights up on the dashboard				

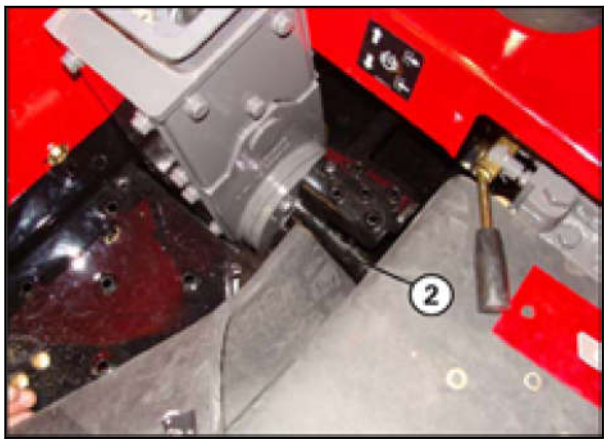

Fig. 14

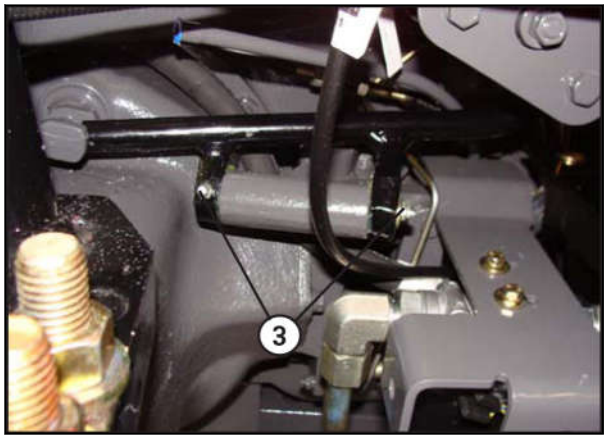

Fig. 15

2. Remove the primary element (3) by pulling and rotating it slightly.
3. Clean the inside of the housing (4) with a damp cloth, taking care to ensure that dust does not reach the clean air suction line.
4. Gently push the open end of the new element until it fits fully into the housing.
5. Reinstall the cover (2). Press the dust ejector (5), removing its excess.

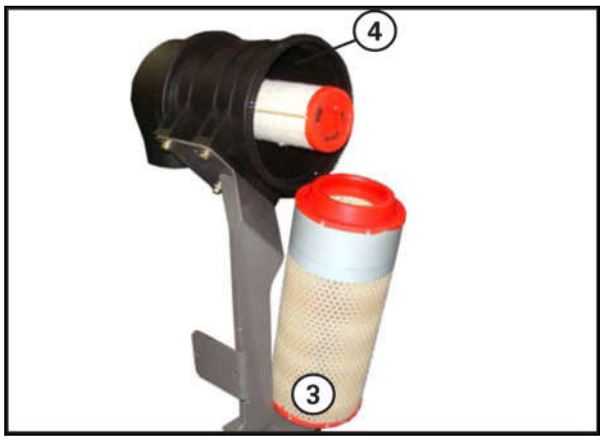

Fig. 33

5.7.3 Servicing the secondary element

Procedure

1. The secondary element cannot be cleaned and must be replaced according to the servicing plan.
2. Remove the filter cover.
3. Pull the primary (1) and secondary (2) elements out. Replace with new filters.
4. To reinstall, insert the secondary filter inside the primary, and then install in the housing. Press the primary filter (1) against the bottom of the housing to ensure it is assembled.
5. To complete, assemble the cover, closing with the latches.

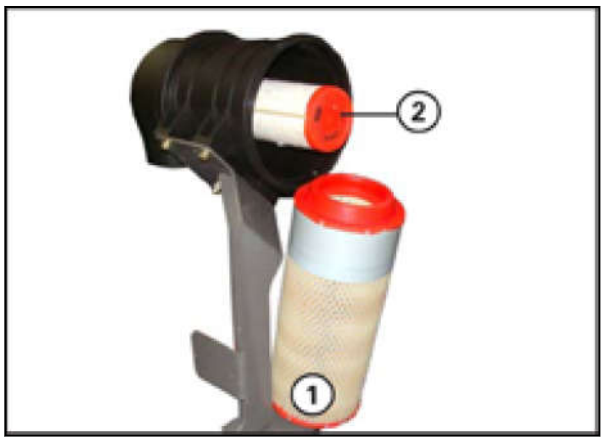

Fig. 34

5.7.4 Filtered air piping

Inspect these components carefully for holes, dryness and tightness of the clamps.

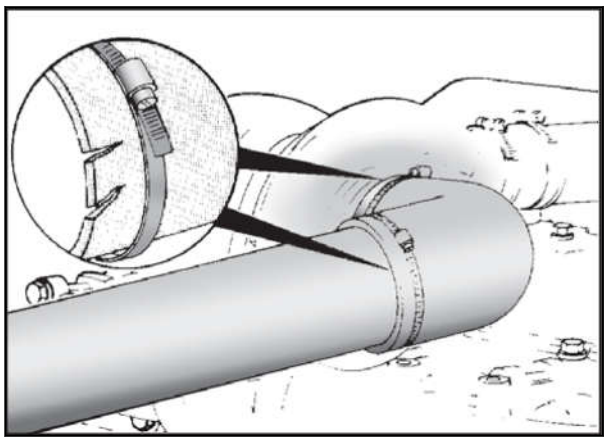

Fig. 35

5.7.5 Plastic housing of the filter element housing

Periodically inspect for damage such as cracks.

5.10 Servicing the transmission system

5.10.1 Cleaning the vents

(2) Transmission vent

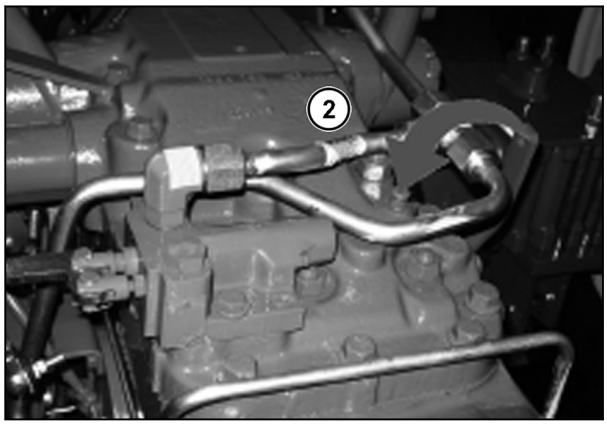

Fig. 53

5.10.2 Checking the hydraulic and transmission oil level

With the tractor level, the level should be between the maximum and minimum marks on the dipstick (1).

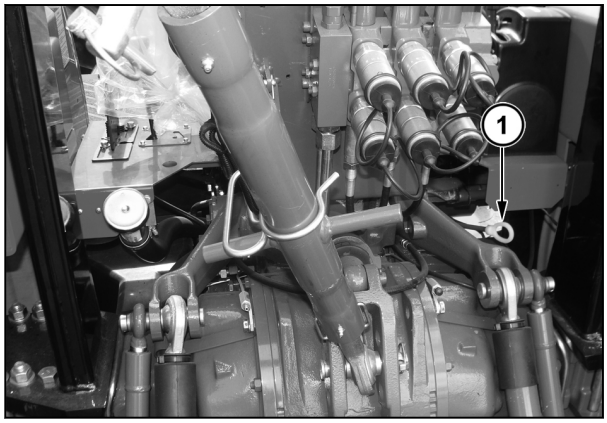

Fig. 55

If necessary, top up up through the nozzle (2) or (3) with the recommended oil.

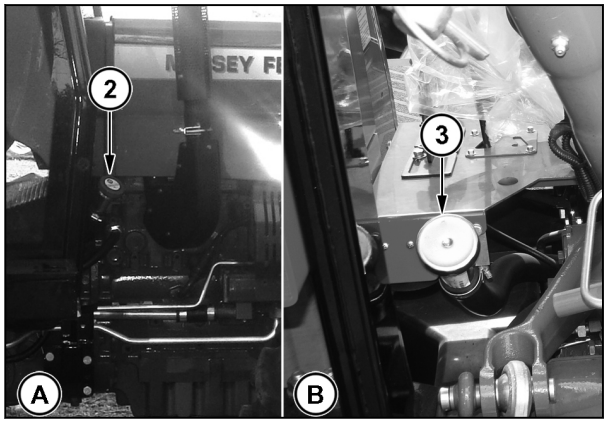

Fig. 56

5.10.3 Changing the transmission and hydraulic oil

Before starting the procedure

Move the tractor to a place with a proper containment basin at each plug before removing the plugs.

5.12.2 Adjusting the 4x4 axle

The alignment should be as close as possible to 0 mm, i.e., the rear measurement (A) should be equal to the front measurement (B).

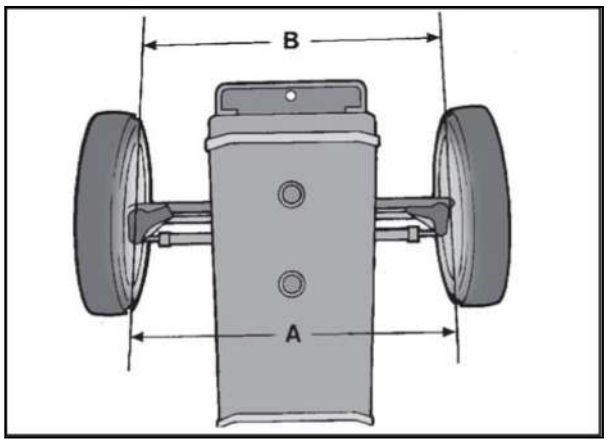

Fig. 78

Procedure

1. If necessary, loosen the lock nut (1) located on one side of the shaft.
2. Rotate the rod (2) with the aid of a wrench until the recommended alignment is achieved.
3. Retighten the lock nut (1).

   IMPORTANT:
   Apply Loctite to prevent the lock nut from coming loose. The alignment must be done in equal measure on both sides (the same number of grooves and threads on both rods).

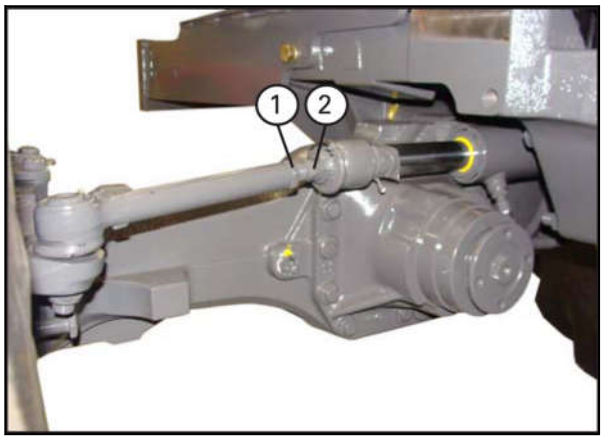

Fig. 79

5. Adjust each light individually, covering the opposite headlight and aligning the top edge of the lighted area with the top of the line (2) as illustrated. Adjust, if necessary, by turning the screws (3).

   NOTE: *Check separately. While checking one headlight, cover the other. Also cover the headlights of the cab (if equipped), or auxiliary headlights so they do not impede visibility.*

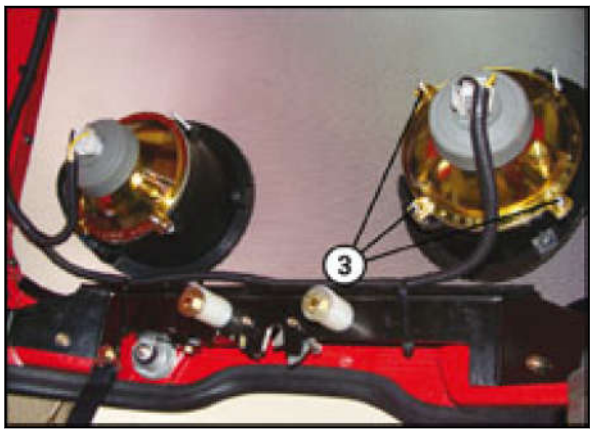

Fig. 96

5.14.5 Replacing bulbs in headlights and lights

Service headlights

Bulb power: 60 Watts (low Beam) and 55 watts (high beam).

Procedure

1. Open the front grille.
2. Disconnect the plug (1).
3. Remove the rubber protection (2).

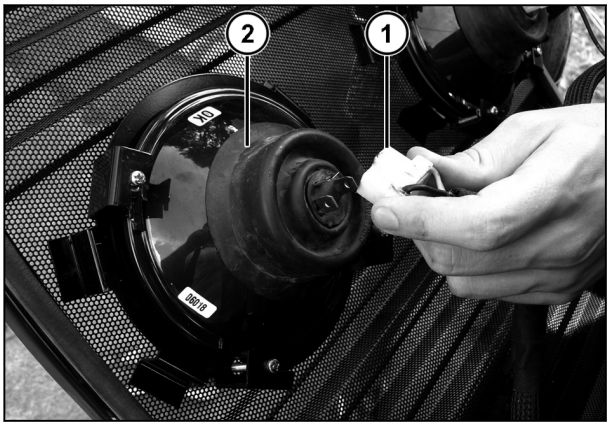

Fig. 97

4. Unhook the clip (3) to release the socket with the bulb (4).
5. Pull the socket and remove the bulb by simultaneously pushing it and turning it counter-clockwise, and then pulling it.
6. Install a new bulb following the reverse procedure.

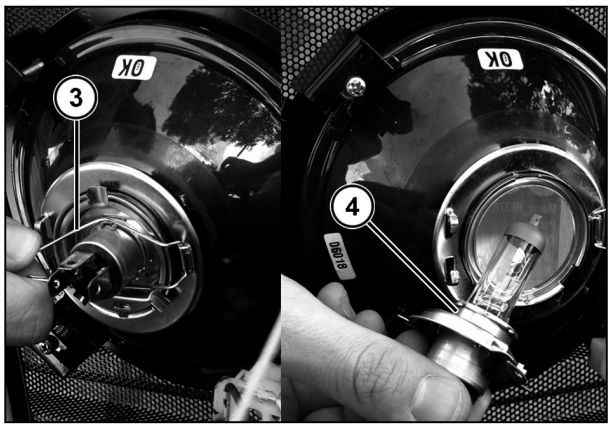

Fig. 98

5.14.5.1 Bulb of the rear work light (A), auxiliary lights and front cab headlights (B)

55 watt halogen bulb

NOTE: *This type of bulb should not be touched with the fingers, because the skin's natural moisture and oil causes the bulb to burn out. Always use paper or a clean, dry cloth to handle these bulbs.*

2. Remove the hood (3) and remove the filter element (2).
3. Apply compressed air to the filter element (2).

   NOTE:

   - *Do not apply pressure greater than 70 PSI.*
   - *The direction of the jet of air should be in the opposite direction to the passage of air, i.e., from the inside to the outside, depending on the position in which they are assembled*
4. Reinstall the element (2) proceeding in reverse order and reinstall the hood (3), securing it with the screw (1).

Fig. 115

5.15.4 Periodic general inspection

Inspect the various components of the air conditioner system:

- Hoses and fittings: Check the condition of these items for cracks, wear or holes. Particular attention should be paid to connections and curves and passages into sheet metal and other parts.
- Wires and their connections.
- Mountings in general.
- Compressor drive belt.
- Always keep the condenser tubes clean using compressed air.

5.15.5 Refilling the gas (or refrigerant)

Use only R-134A fluid.

When the conditioner loses efficiency the refrigerant will need to be refilled. However, first make sure that all the other items are in perfect condition.

Clean the condenser and cab air ventilation filter, compressor belt tension, etc. If the problem persists even after refilling the refrigerant, it may be necessary to inspect the compressor.

Remember: One of the procedures that extends the service life of the compressor is the weekly activation of the drive cooling system.

IMPORTANT: *Replacing the refrigerant, as well as topping up the level, requires specialised personnel and resources. For this and other services, refer to your Dealer.*

WARNING:

The refrigerant is highly toxic and requires special techniques and equipment for handling The release of gas directly into the atmosphere is harmful to the environment. Do not release any connection of the refrigerant conductor hose.

6.1 Analysis of abnormalities, causes and solutions

The following tables can help when you need to diagnose a problem and decide on the best way to act.

ABNORMALITY	POSSIBLE CAUSES
Engine runs cold	• The thermostatic valve in the engine is stuck in the open position. This can be caused by not using anti-corrosion additive in the cooling system water. Change the valve and the radiator coolant, and use anti-corrosion additive. • Injection pump point incorrectly adjusted. See your MASSEY FERGUSON dealer.
Engine failure	• Engine stop command. Check the injection pump solenoid and its electrical connection. If necessary, change the solenoid. • Supply pump defective. Replace the pump. • Fuel or air filter blocked. Change the fuel filter and clean or replace the air filter. • Air in the fuel system. Bleed the filter. • Fuel tank vent blocked. Change the cover that houses the vent. • Incorrect fuel or fuel containing water. Drain the entire tank and refill with the correct fuel. • Incorrect valve clearance. See your MASSEY FERGUSON dealer. • Uneven valve seating. See your MASSEY FERGUSON dealer. • Internal engine wear. See your MASSEY FERGUSON dealer. • Broken valve springs. See your MASSEY FERGUSON dealer.
Engine constantly stops	• Injection pump solenoid. If necessary, replace the solenoid. • Supply pump defective. Replace the pump. • Fuel and/or air filter blocked. Change the fuel filter and clean or replace the air filter. • Air in the fuel system. Bleed the filter. • Fuel tank vent blocked. Change the cover that houses the vent. • Water in the fuel. Drain the tank and filters. Check the origin of the fuel. Always fill up at the end of each day in order to prevent condensation from moisture in the tank during the night. • Crankcase breather tube blocked. Clean the engine breather tube.
Excessive fuel consumption	• Incorrect lubricating oil. Change the oil with an oil recommended in this manual. • Blocked air or fuel filter. Change the fuel filter and clean or replace the air filter. • Defective injection pump and/or nozzles. See your MASSEY FERGUSON dealer. • Incorrect injection point. See your MASSEY FERGUSON dealer.

7.2 Electrical system - powers and capacities

Batteries	95 A
Alternator without cab	Iskra - 12 V / 55 A/h
Alternator with cab	Iskra - 12 V / 120 A/h
Starter motor	Iskra - 12 V / 3.0 kw
Interior instrument lighting:	Consisting of light emitting diodes (LEDs).
Glow plug (cold start aid - optional)	9 A
Start safety switch	Standard on all models, prevents the start-up without the Range and Direct lever being in neutral.
Headlights (High)	60 W
Headlights (Low)	55 W
Tail lights	55 W
Auxiliary headlights (only Standard tractors)	55 W
Tail lights and brake lights	5 W
Direction indicator lights (if equipped)	21 W

7.11 Dimensions and weights of standard tractors

Tractors Without cab, Standard, 4x4

	MF4292HD	MF4297	MF4298	MF4299
Rear wheel used	23.1-30R1	23.1-30R1	23.1-30R1	23.1-30R1
Weight with ballast	6720 kg	6740 kg	6800 kg	7040 kg
Total length	4270 mm	4580 mm	4625 mm	4730 mm
Maximum height	2600 mm	2600 mm	2635 mm	2650 mm
Distance between axles	2450 mm	2740 mm	2740 mm	2740 mm
Average clearance	400 mm	410 mm	410 mm	410 mm
Front track (Minimum/Maximum)	1645 mm/ 2040 mm	1645 mm / 2040 mm	1730 mm/ 2040 mm	1645 mm/ 2040 mm
Rear track (Minimum/Maximum)	1560 mm/ 2165 mm	1560 mm / 2165 mm	1625 mm/ 2335 mm	1560 mm/ 2165 mm
Turning radius with brake	3750 mm	3750 mm	4200 mm	3750 mm
Turning radius without brake	4220 mm	4220 mm	4710 mm	4710 mm

9.1 Warranty

9.1.1 Massey Ferguson Warranty Terms

1. AGCO Brazil guarantees its products against any defects in materials and manufacture for a period of 1200 (one thousand) hours of operation or 12 months, whichever comes first. The 12 month period commences on the date recorded on the Certificate of Delivery.
2. The Warranty applies only to original parts and accessories manufactured by AGCO Brazil, fitted to the product at the time of Technical Delivery.
3. The Warranty does not cover materials considered to be perishable, such as: **filter elements in general, oils and lubricants**.
4. The warranty does not cover the products listed below that are not manufactured by AGCO Brazil, which have specific warranties from their respective manufacturers.

   The Warranty service of these products will be provided by the respective Representatives or Authorized Outlets, and may be ordered through the dealership or directly from Representatives or the aforementioned outlets. The products in question are as follows: **tyres, batteries, air chambers, engine turbochargers and fuel injection equipment**.
5. AGCO Brazil is responsible for the cost of labour used by the Dealership when the replacement of defective components occurs within the Warranty period. The time specified in the labour table in effect throughout the Dealer Network will be used to calculate payments.
6. The Warranty will be void if it is verified that any defects or breakage are the result of improper use of the product, the inexperience of the operator, the lack of regular maintenance, or if:
   - Lubricants and/or fuels are used that are not approved by AGCO Brazil, as described in this Manual.
   - Any data or identification plate signs contained in the product are removed or changed.
   - The Delivery Inspection and/or the Free Mandatory Inspection, in accordance with the Warranty Terms, are not verified as completed by means of duly completed and dated service vouchers, and within the time limits established.
   - Any sections or parts of the product have undergone modifications in the absence of instructions from AGCO Brazil, including when accessories not approved by AGCO Brazil are installed.
   - A dealer's report verifies that there has been an accident or misuse involving the front planer.
7. Any product that has been repaired or modified in workshops or by mechanics that are not part of the Dealer Network shall also not be covered by Warranty.
8. The Free Inspection does not necessarily have to be carried out at the Dealer's workshop.

   When the Customer has a properly equipped workshop, this Inspection may be conducted there by a mechanic from the Dealership. Transportation of the mechanic to the site is the responsibility of the Customer. **This free inspection must be performed at 12 (twelve) months or 1200 hours of use, whichever comes first**.
9. Additional inspections, requested by the customer within the Warranty period, will be covered by the Dealer.
10. The warranty does not cover costs related to freight, fuel, lubricants, cleaning materials, or costs arising from the transportation of materials or personnel.
11. The Warranty also does not cover losses caused by downtime of the tractor.

9.1.2 Instructions for technical delivery

After the sale of the product, AGCO Brazil grants the first owner, through his/her dealer, the right to bring the machine to 1 (one) free inspection, after 8 months or 1000 (one thousand) hours of operation, whichever comes first.

Annexes to this manual are:

- PRE-DELIVERY INSPECTION CHECK
- FREE INSPECTION CHECK;

These manuals describe all the services that must be performed at each inspection.

AGCO DO BRASIL
FREE SERVICE INSPECTION VOUCHER

The owner of this tractor is entitled to the Free Inspection in the period of 12 (Twelve) calendar months or 1000 to 1200 (thousand to thousand and two hundred) working hours, prevailing whichever expires first.

The Dealer's serviceman should carry out the inspection and carefully observe all the items detailed in the Operator's Manual, according to the total accumulated hours operation registered in the hourmeter. The following items, should be checked or adjusted:

Items to be performed at free inspection - See continuation next page:

[ ] Clean your tractor and apply grease in all grease fittings.
[ ] Check the wheel bolts.
[ ] Check tire pressure.
[ ] Change the engine oil and filter(s).
[ ] Check idle speed and adjust it if necessary.
[ ] Remove and clean the sump breather tube.
[ ] Adjust the valve tip clearance.
[ ] Retighten the intake and exhaust manifold fasteners.
[ ] Check general engine operation: temperature, pressure, performance, etc.
[ ] Clean or replace the fuel sediment bowl.
[ ] Change fuel filter(s).
[ ] Clean the fuel pump strainer.

CAUTION:
To the Owner:
The pre-delivery and the Obligatory Revision are free at the Dealer.
Please sign these vouchers only after their accomplishment.

Model | **Free Inspection**

Dealer | Code

City / State

Product serial

Product code | In-block serial

Date of inspection | Hourmeter

Serviceman's signature | Service Manager Signature | Customer Signature

Send this copy to Service and Warranty - AGCO DO BRASIL

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AGCO DO BRASIL
FREE SERVICE INSPECTION VOUCHER

The owner of this tractor is entitled to the Free Inspection in the period of 12 (Twelve) calendar months or 1000 to 1200 (thousand to thousand and two hundred) working hours, prevailing whichever expires first.

The Dealer's serviceman should carry out the inspection and carefully observe all the items detailed in the Operator's Manual, according to the total accumulated hours operation registered in the hourmeter. The following items, should be checked or adjusted:

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[ ] Clean the fuel pump strainer.

CAUTION:
To the Owner:
The pre-delivery and the Obligatory Revision are free at the Dealer.
Please sign these vouchers only after their accomplishment.

Model | **Free Inspection**

Dealer | Code

City / State

Product serial

Product code | In-block serial

Date of inspection | Hourmeter

Serviceman's signature | Service Manager Signature | Customer Signature

Dealer's file

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