



MASSEY FERGUSON

MF 1316S

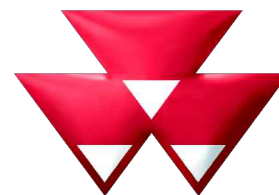
Rotary Disc Mower Conditioner



OPERATOR'S MANUAL

FROM MASSEY FERGUSON

Operator's Manual



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Rotary Disc Mower Conditioner

1316S



**CALIFORNIA
Proposition 65 Warning**

WARNING: Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, or other reproductive harm.

WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.

Congratulations on your selection of an AGCO® Product. We believe you have exercised excellent judgment in the purchase of your AGCO® machine. We are most appreciative of your patronage.

Your Dealer has performed the pre-delivery service on your new machine.

He will discuss with you the operating and maintenance instructions given in this manual, and instruct you in the correct and varied applications of this machine. Call on him at any time when you have a question or need equipment related to the use of your machine.

We recommend that you carefully read this entire manual before operating the machine. Also, time spent in becoming fully acquainted with its performance features, adjustments, and maintenance schedules will be repaid in a long and satisfactory life of the product.

This equipment is covered by a written warranty which will be provided to you by your AGCO® Dealer at time of purchase.

AGCO® reserves the right to make changes or add improvements to its products at any time without incurring any obligation to make such changes to products manufactured previously. AGCO®, or its dealers, accept no responsibility for variations which may be evident in the actual specifications of its products and the statements and descriptions contained in this publication.

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1 Safety

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1.1 Introduction

1.1.1 Safety symbol

The safety symbol tells you about a potentially hazardous area!

Look for the safety symbol in this manual and on the machine. The safety symbols tell you that there is important safety instructions in the manual.

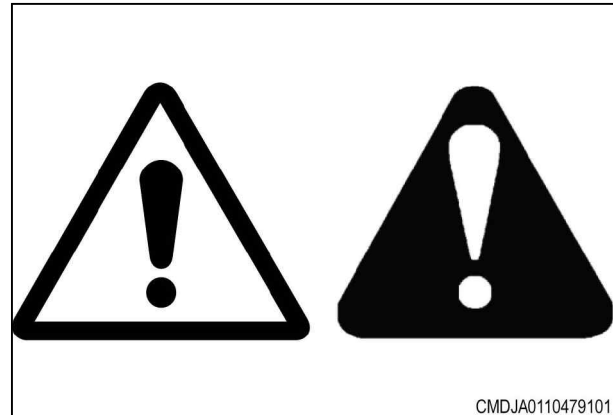


Fig. 1

1.1.2 Safety messages

The words DANGER, WARNING or CAUTION are used with the safety symbol. Learn these safety messages and obey the recommended precautions and safety instructions.



DANGER:
If you do not obey the recommended precautions and safety instructions, **DEATH OR INJURY** will occur.



WARNING:
If you do not obey the recommended precautions and safety instructions, **DEATH OR INJURY** can occur.



CAUTION:
If you do not obey the recommended precautions and safety instructions, **INJURY** can possibly occur.



Fig. 2

1.1.3 Information messages

The words important and note are not related to personal safety, and are used to give information about the operation and servicing of the machine.

IMPORTANT: Identifies special instructions or procedures which, if not followed, can cause damage to the machine, the process, or the area around the machine.

NOTE: Information to make procedures easier.

1.1.4 Safety signs



WARNING:
Do not remove the safety signs. Replace safety signs that you cannot read, are damaged, or are missing.

Clean the machine surface with a weak soap and water solution before you replace the safety signs. Replacement safety signs are available from your dealer.

Always make sure that safety signs are in the correct locations and that you can read the safety signs. Illustrations of safety sign locations are in this section.

Keep the safety signs clean. If necessary, use a weak soap and water solution.

1.1.5 A word to the operator

It is your responsibility to read and understand the safety section in this manual and the manual for all implements before you operate this machine. You are responsible for your safety. Good safety procedures prevent injury to you and the persons around you.

Make the information in the safety section of this manual a part of your safety procedure. This safety section is written only for this type of machine. Safety is your responsibility. You can prevent injury and death.

This safety section gives basic safety examples that can occur during the operation and maintenance of your machine. This safety section is not a replacement for safety instruction in other sections of this manual.

Injury or death can occur if the safety instruction is not obeyed.

Learn how to operate the machine and how to use the controls correctly.

Do not operate the machine if you do not know how to operate the machine. Do not let persons operate the machine that do not know how to operate the machine.

Follow all safety instructions in the manuals and on the safety signs on the machine, the implements, and the attachments.

Use only approved attachments and implements.

Make sure that your machine has the correct equipment that is necessary by the local regulations.

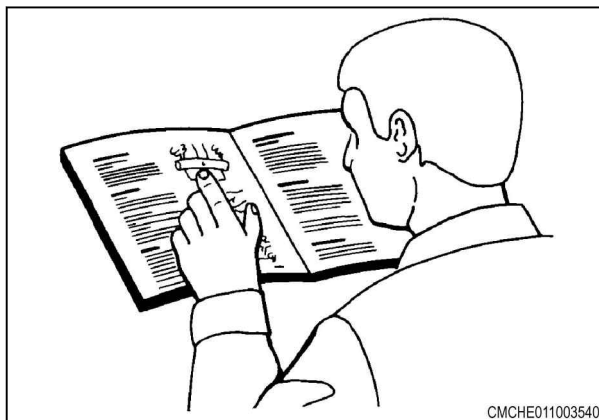


Fig. 3



WARNING:
Do not use alcohol or drugs that can have an effect on alertness or coordination. If you use prescription or 'over the counter' drugs, get medical advice about the safe operation of machines.



CAUTION:
If attachments or implements used with this machine have a different operator manual, see that operator manual for other important safety instructions.

1.1.6 This manual

This manual covers general safety practices for this machine. The operator manual must always be kept with the machine.

Right-hand and left-hand, as used in this manual, are determined by facing the direction the machine will travel when in use.

The photos, illustrations, and data used in this manual were current at the time of printing, but due to possible in-line production changes, your machine can vary slightly in detail. The manufacturer reserves the right to redesign and change the machine as necessary without notification.



WARNING:

In some of the illustrations and photos used in this manual, shields or guards may have been removed for clarity. Never operate the machine with any shields or guards removed. If the removal of shields or guards is necessary to make a repair, they must be replaced before operation.

The Operator Manual is stored in the holder on the machine. After using the Operator Manual, return the manual to the storage location.

1.1.6.1 Operator manual holder

The operator manual holder (1) holds the operator manual.

After you use the operator manual, put the operator manual back into the operator manual holder.

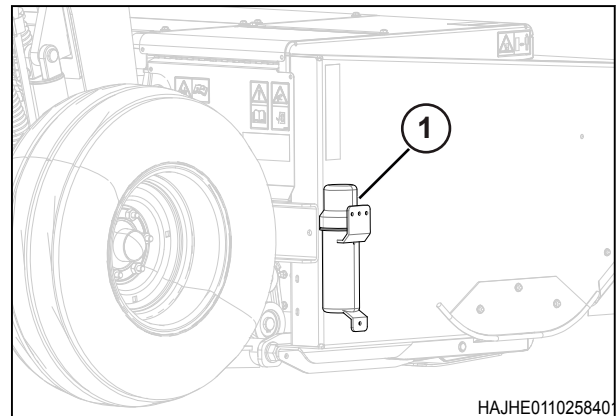


Fig. 4

1.2 Operation

1.2.1 Prepare for operation

Read and understand all operation instructions and precautions in this manual before you operate the machine or do the servicing.

Make sure that you know and understand the positions and operations of all controls. Make sure that all controls are in neutral and that the parking brake is applied before you start the machine.

Make sure that all persons are away from your area of work before you start and operate the machine. Examine and learn the controls in an area that is clear of persons and obstacles before you start work. Know the machine dimensions and make sure that you have sufficient space available to operate the machine. Do not operate the machine at high speeds in crowded areas.

It is important to know and use the correct procedures when you do work around and operate the machine. Do not let children or unqualified persons operate the machine. Keep others, especially children, away from your area of work. Do not let others ride on the machine.

Make sure that the machine is in good condition for operation. Refer to the operator manual. Make sure that the machine has the correct equipment required by local regulations.

All equipment has a limit. Make sure you understand the speed, brakes, steering, stability and load characteristics of this machine and the tractor before you start.

1.2.2 General information

When you park the machine, park the machine and the tractor on a solid level surface. Put all controls in neutral and apply the tractor parking brake. Stop the tractor engine and take the key with you.



WARNING:

Do not let the machine be unattended with the header in the up position. Lower the header fully before you go away from the machine. A sudden loss of hydraulic pressure can cause the header to fall without warning. Make sure that the machine is in good condition for operation. Refer to the operator manual. Make sure that the tractor brakes and the machine brakes are adjusted correctly.

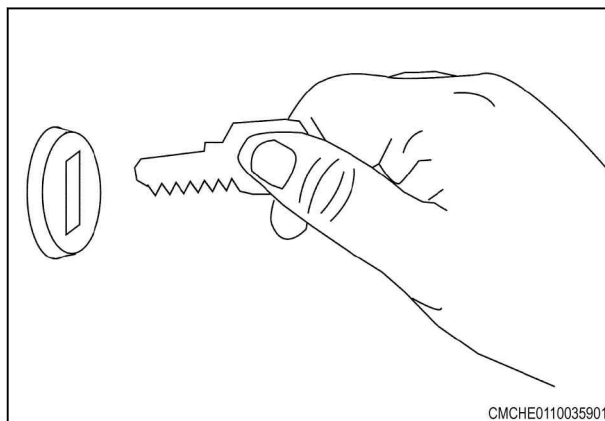


Fig. 5

The tractor must have sufficient weight and braking capacity, especially when you operate on roads and terrain that is not smooth. Use a tractor of sufficient dimensions and weight to tow the machine.

The tractor must have a rollover protective structure (ROPS) and a seat belt. Use the seat belt during operation.



WARNING:

Only use a tractor with a ROPS cab and seat belt. The machine can throw stones and other debris during operation.

Do not move off the machine before the machine stops.

Always operate the machine with the terminal on.

Do not start the tractor with the PTO engaged or terminal on.

Stay off slopes that are too steep for operation.

Where possible do not operate the machine near ditches, embankments, and holes. Slowly decrease ground speed when you operate on rough, slippery, or muddy surfaces and when you turn or go across slopes.

Know the dimensions of the machine and have sufficient area available for operation.

Make sure that the top shields are closed before you move the tongue.

Stay away from the area between the tractor and the implement when the tractor engine is running.

Do not let the machine contact electrical power lines. Contact with electrical power lines can cause electrical shock, that results in very serious injury or death.

Always disengage the tractor power take-off, put the tractor transmission in PARK and apply the parking brake before you move off of the tractor. Stop the tractor engine and remove the key before you do servicing or maintenance on the machine.

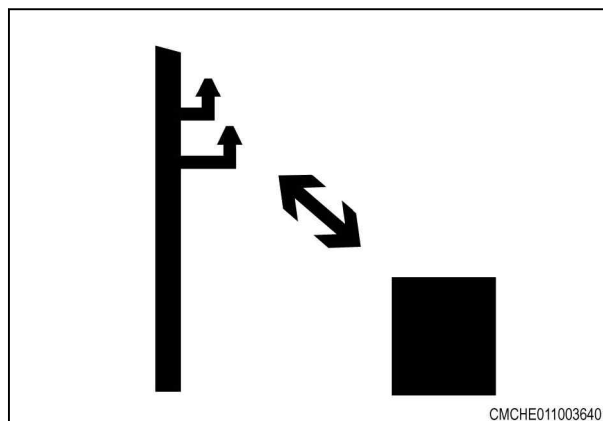


Fig. 6

Related Links

[Tractor specifications](#) page 124

1.2.3 Personal protective equipment

Put on all personal protective equipment (PPE) and protective clothes that are supplied to you or that are necessary for the conditions and by applicable laws. PPE includes equipment to prevent injury to your eyes, lungs, ears, head, hands and feet.

Always keep hands, feet, hair, and your clothes away from parts that move. Do not put on loose clothing, jewelry, watches, or other items that can tangle in parts that move. Tie up long hair that can also tangle in moving parts.

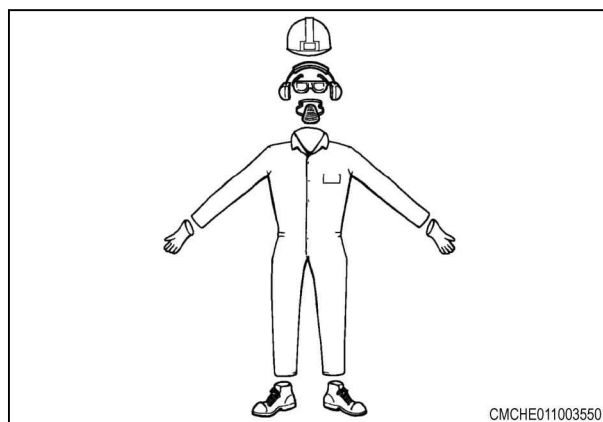


Fig. 7

1.2.4 Seat instructions

Put on the seat belt before you operate the machine. Always sit in the seat and have the seat belt on while you operate the machine. Replace the seat belts when they become worn or broken.

Do not use a seat belt loosely. Make sure that there is some tension on the seat belt. Do not wear the seat belt in a twisted condition or pinched between the structural parts of the seat.

Put on the seat belt if the instructional seat is used. Use the instructional seat only to train new operators or to find a problem. The instructional seat is only for short periods of use.

Do not let children use the instructional seat or be in the cab. Do not let other persons use the instructional seat or be in the cab.

Drive the machine at slower speed and on level ground when the instructional seat is used. Do not start, stop, or turn quickly when the instructional seat is used. Do not drive on highways or public roads when the instructional seat is used.

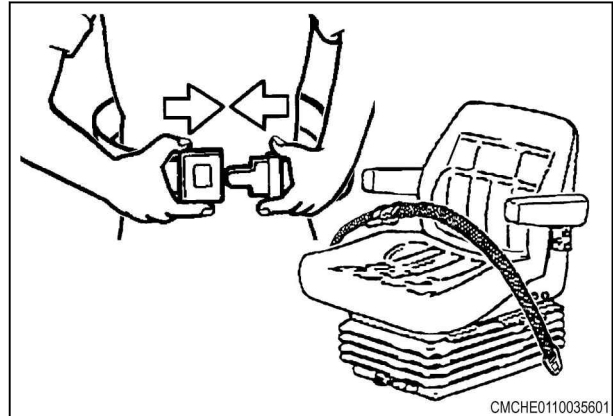


Fig. 8

1.2.5 Shield and guards



WARNING: Entanglement hazard. Belts and components that rotate.

Severe personal injury or death can occur.

Do not open, remove, or put your hand behind shields if the engine is running. Stop the machine before doing service to the machine.

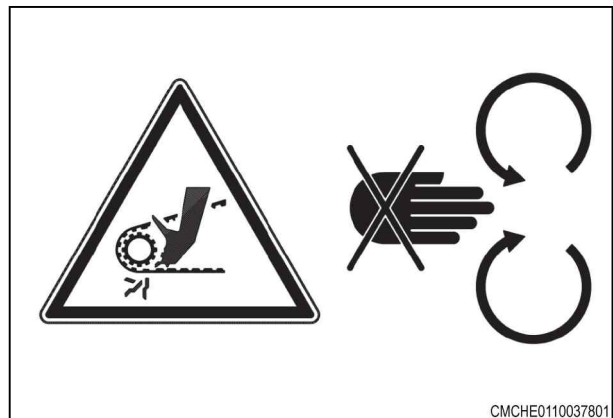


Fig. 9

All shields and guards must be in the correct position and in good condition. Keep away from the components that rotate.



**DANGER: Entanglement hazard.
Rotating components.**

Severe personal injury or death can occur.

Do not make adjustments or repairs to components while they are moving. Stop the machine before doing service to the machine.

Do not operate the machine with the drive shaft shields open or removed.

Keep away from the components that turn.

Make sure guards that turn are free.

Do not make adjustments to the roll tension with the header engaged.

When you make adjustments to the roll pressure, stop the header. Engage the parking brake.



Fig. 10

1.2.6 Exhaust warning



WARNING: Inhalation hazard. Exhaust gases.

Death or serious illness can occur.

Do not operate the engine in a closed building unless the exhaust is ventilated to the outside.

Do not tamper with or modify the exhaust system with unapproved extensions.

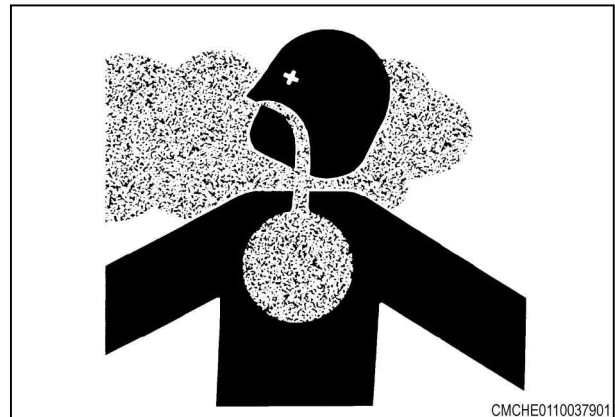


Fig. 11

1.2.7 Flying debris



WARNING:
Be careful when you operate along the side of a road or structures. Rocks and other materials can be thrown from the machine during operation and can cause injury.
If there are rocks and unwanted objects in a field, tilt the header up. This will lift the knives and reduce other materials thrown by the knives.

Stay away from the machine during operation. Some materials can be thrown from the machine during operation and cause injury.



Fig. 12

1.2.8 Agricultural chemicals

Agricultural chemicals are very dangerous. Incorrect procedures with fertilizer, fungicides, herbicides, insecticides and pesticides can cause injuries to plants, animals, soil and other persons property.

Always read and follow all manufacturers instructions before you open chemical containers.

Read and follow instructions each time you use a chemical.

Use the same precautions when you do adjustments, do servicing, clean or store the machine as used when you put chemicals into the hoppers or tanks.

Tell all persons who are near chemicals of the possible dangerous results and the safety precautions that are necessary.

Stay upwind and away from smoke from a chemical fire.

Keep or discard all chemicals that are not used as specified by the chemical manufacturer.

1.3 Travel on public roads

Make sure that you understand the speed, brakes, steering, load characteristics, and how to keep the machine stable before you operate on public roads.

Use good judgment when you operate the machine on public roads. Keep complete control of the machine at all times. Do not coast on downhill.

The maximum speed of farm equipment is set by local regulations. Adjust speed to keep control at all times.

Make sure that the machine is in good condition for operation. Refer to the operator manual.

The tractor must have sufficient weight and braking capacity, especially when you operate on roads and terrain that is not smooth. Use a tractor of sufficient dimensions and weight to tow the machine.

Make sure that you understand and obey all road regulations that apply to your machine. See your local law enforcement agency for local regulations about movement of farm equipment on public roads. Use head lamps, flashing warning lamps, rear lamps and turn signals, day and night, unless prohibited by local law.

Make sure that all the flashers are operate before you drive on the road. Make sure that reflectors are correctly installed, in good condition, and can be seen. Make sure that the Slow Moving Vehicle (SMV) emblem is clean, can be seen, and correctly installed on the rear of the machine.

Pay attention to other traffic on the road. Keep to your side of the road and pull to the side of the road whenever possible to let faster traffic pass.

Know the overall width, length, height, and weight of the machine. Be careful when you drive the machine on narrow roads and across narrow bridges.

If equipped, always install the safety transport chain between the implement and the tractor drawbar.

- Use a safety transport chain with a strength rating equal to or more than the gross weight of the towed machines.
- Connect the safety transport chain to the tractor drawbar and use a retainer on the hitch pin.
- Use only sufficient slack in the safety transport chain to permit turning.
- Do not use the safety transport chain as a tow chain for towing.

Put the tongue in roading position and close the steering cylinder lockout valves. Lift the header fully and close the lift cylinder lockout valves.

Watch for overhead wires and other obstructions. Do not let the machine touch electrical power lines. If the machine touches electrical power lines, electrical shock can occur. Electrical shock can result in very severe injury or death.

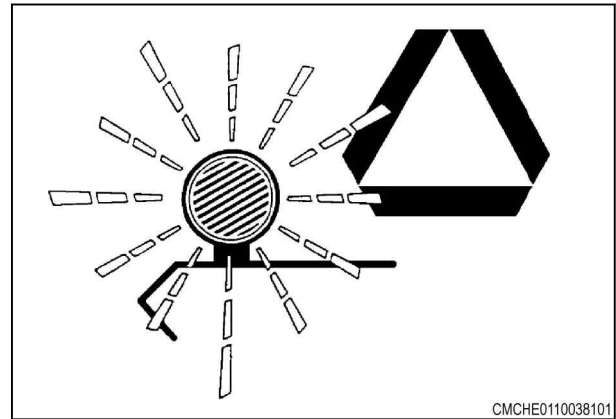


Fig. 13

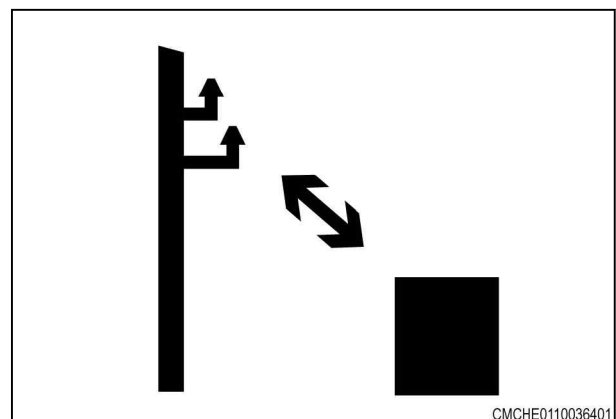


Fig. 14

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