



**MASSEY FERGUSON**

# MF 5700

Series Cultivator

Models: 5750



# OPERATOR'S MANUAL

FROM MASSEY FERGUSON



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*We recommend that you carefully read this entire manual before operating the unit. Also, time spent in becoming fully acquainted with it's 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 Massey Ferguson<sup>®</sup> Dealer at time of purchase.*

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Proposition 65 Warning**

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

# 5750 5-section cultivator

<b>1</b>	<b>Safety</b>	1-1
1.1	<b>Introduction</b>	1-3
1.1.1	Safety alert symbol	1-3
1.1.2	Safety messages	1-3
1.1.3	Informational messages	1-3
1.1.4	Safety signs	1-4
1.1.5	A word to the operator	1-4
1.1.6	This manual	1-5
1.2	<b>Operation</b>	1-6
1.2.1	Prepare for operation	1-6
1.2.2	Personal protective equipment	1-6
1.2.3	Agricultural chemicals	1-6
1.2.4	Travel on public roads	1-7
1.3	<b>Maintenance</b>	1-9
1.3.1	Fire prevention and first aid	1-9
1.3.2	High pressure leaks	1-10
1.3.3	Tire safety	1-10
1.3.4	Replacement parts	1-11
1.4	<b>Marker lamps</b>	1-12
1.5	<b>Transport stops</b>	1-13
1.6	<b>Safety sign location</b>	1-14
<b>2</b>	<b>Introduction</b>	2-1
2.1	<b>Introduction</b>	2-3
2.1.1	Intended use	2-3
2.1.2	Proper disposal of waste	2-3
2.2	<b>Machine identification</b>	2-4
2.2.1	Serial number plate	2-4
2.2.2	Serial number description	2-4
2.3	<b>Field cultivator</b>	2-6
2.3.1	Level lift hitch	2-6
2.3.2	Floating hitch	2-6
2.4	<b>Major components</b>	2-7
2.5	<b>Operator manual storage</b>	2-8
<b>3</b>	<b>Operation</b>	3-1
3.1	<b>Connecting the machine to the tractor</b>	3-3
3.2	<b>Disconnecting the machine from the tractor</b>	3-4
3.3	<b>Preparing the machine for transport</b>	3-5
3.4	<b>Operating depth</b>	3-6
3.4.1	Single point depth control	3-6
3.4.2	Adjusting the operating depth	3-6
3.5	<b>Turning at the edge of a field</b>	3-9
<b>4</b>	<b>Maintenance</b>	4-1
4.1	<b>Lubrication and maintenance chart</b>	4-3
4.2	<b>Grease fitting locations</b>	4-4

<b>4.3</b>	<b>Leveling the frames</b>	4-7
4.3.1	Adjusting the level of the main frame fore and aft	4-7
4.3.2	Adjusting the rear wing frame level to the main frame	4-9
4.3.3	Adjusting the level of the wing frame fore and aft	4-10
<b>4.4</b>	<b>Gauge wheel damper adjustment</b>	4-13
<b>4.5</b>	<b>Shank Springs</b>	4-14
<b>4.6</b>	<b>Filling wheel hubs with grease</b>	4-15
4.6.1	Filling the axle and gauge wheel hubs with grease	4-15
4.6.2	Filling the gauge wheel hubs with grease	4-16
<b>4.7</b>	<b>Wing fold cylinder restrictors</b>	4-20
<b>4.8</b>	<b>Bleeding air from the hydraulic system</b>	4-21
<b>4.9</b>	<b>Storage</b>	4-22
4.9.1	Preparing the machine for storage	4-22
4.9.2	Removing the machine from storage	4-22
<b>5</b>	<b>Troubleshooting</b>	5-1
5.1	<b>Troubleshooting</b>	5-3
<b>6</b>	<b>Specifications</b>	6-1
6.1	<b>Specifications</b>	6-3
6.2	<b>Maximum transport speed</b>	6-4
<b>7</b>	<b>Accessories</b>	7-1
7.1	<b>Coil tine harrow</b>	7-3
7.1.1	Coil tine harrow operating depth	7-3
7.1.2	Coil tine harrow section level	7-3
7.1.3	Coil tine harrow tine angle	7-4
7.1.4	Adjusting the coil tine harrow to the initial settings	7-5
7.1.5	Putting the coil tine harrow in the transport position	7-6
7.2	<b>Coil tine harrow with reel</b>	7-8
7.2.1	Coil tine harrow section level	7-8
7.2.2	Coil tine harrow tine angle	7-8
7.2.3	Reel operating depth	7-10
7.2.4	Reel position	7-10
7.2.5	Adjusting the coil tine harrow and reel to the initial settings	7-10
7.3	<b>Shank accessories</b>	7-12
7.3.1	Shovels	7-12
7.3.2	Shovel extensions	7-12
7.3.3	Spikes	7-12
<b>8</b>	<b>Assembly</b>	8-1
8.1	<b>Unpacking the frame and the wings</b>	8-3
8.1.1	Unpacking the frame with the wings attached	8-3
8.1.2	Unpacking the frame with the wings un-attached	8-6
8.2	<b>Installing the wheel assembly to the hub</b>	8-9
8.3	<b>Installing the wing rests</b>	8-10
8.3.1	Installing the 4 m (13 ft) level lift wing rests	8-10
8.3.2	Installing the 4 m (13 ft) floating hitch wing rests	8-11
8.3.3	Installing the wing frame wing rest	8-12
8.4	<b>Installing the wing folding components</b>	8-14
8.4.1	Installing the level lift hitch wing fold hydraulics and components	8-14
8.4.2	Installing the floating hitch wing fold hydraulics and components	8-19
8.5	<b>Installing the main frame mast tubes</b>	8-26

8.5.1	Installing level lift hitch main frame mast tubes	8-26
8.5.2	Installing floating hitch main frame mast tubes	8-27
<b>8.6</b>	<b>Installing the wing frame mast tubes</b>	8-29
<b>8.7</b>	<b>Installing the inner and outer wing frame gauge wheel</b>	8-31
<b>8.8</b>	<b>Floating hitch gauge wheels</b>	8-35
8.8.1	Assembling the main frame gauge wheels	8-35
8.8.2	Installing the main frame gauge wheels	8-37
<b>8.9</b>	<b>Assembling and installing the gauge wheel link tube</b>	8-39
8.9.1	Assembling the gauge wheel link tube	8-39
8.9.2	Installing the gauge wheel link tube	8-39
<b>8.10</b>	<b>Assembling the front hitch</b>	8-41
8.10.1	Assembling the level lift hitch	8-41
8.10.2	Assembling the floating hitch	8-47
<b>8.11</b>	<b>Installing the utility pole</b>	8-49
<b>8.12</b>	<b>Installing the single point depth control</b>	8-51
<b>8.13</b>	<b>Assembling the depth gauge</b>	8-54
<b>8.14</b>	<b>Installing the depth hydraulics</b>	8-56
8.14.1	Installing the elbow fittings in the hydraulic depth cylinders	8-56
8.14.2	Installing the tube clamp	8-56
8.14.3	Installing the depth hydraulic hoses for the level lift hitch	8-56
8.14.4	Installing the depth hydraulic hoses for the floating hitch	8-60
<b>8.15</b>	<b>Installing the wing fold hydraulics</b>	8-64
8.15.1	Installing the level lift hitch wing fold hydraulics	8-64
8.15.2	Installing the floating hitch wing fold hydraulics	8-66
<b>8.16</b>	<b>Installing the marker lamps</b>	8-69
<b>8.17</b>	<b>Installing the shank and holder assembly</b>	8-73
<b>8.18</b>	<b>Shank location on the frames</b>	8-74
8.18.1	4 m (13 ft) main frame shank locations	8-74
8.18.2	3.5 m (11.6 ft) wing frame shank locations	8-75
8.18.3	2.1 m (7 ft) outer wing frame shank locations	8-76
8.18.4	2.81 m (9.25 ft) outer wing frame shank locations	8-77
<b>8.19</b>	<b>Installing the shank stub</b>	8-78
8.19.1	Outer wing frame stub locations	8-78
<b>8.20</b>	<b>Installing the coil tine harrow</b>	8-80
8.20.1	Installing the harrow mounts and arms to the frame	8-80
8.20.2	Harrow mount and arm position on the frames	8-80
8.20.3	Installing the harrow section bars	8-83
8.20.4	Installing the tine angle bracket on 1.37 m (4.5 ft) and 1.83 m (6 ft) harrow sections	8-88
8.20.5	Installing the tine angle bracket on 2.29 m (7.5 ft) harrow sections	8-89
<b>8.21</b>	<b>Installing the coil tine harrow with reel</b>	8-90
8.21.1	Installing the harrow mounts and arms to the frame	8-90
8.21.2	Harrow mount and arm position on the frames	8-90
8.21.3	Installing the harrow section bars and reels	8-93
<b>10</b>	<b>Index</b>	Index-1



# 1. Safety

<b>1.1 Introduction</b>	1-3
1.1.1 Safety alert symbol	1-3
1.1.2 Safety messages	1-3
1.1.3 Informational messages	1-3
1.1.4 Safety signs	1-4
1.1.5 A word to the operator	1-4
1.1.6 This manual	1-5
<b>1.2 Operation</b>	1-6
1.2.1 Prepare for operation	1-6
1.2.2 Personal protective equipment	1-6
1.2.3 Agricultural chemicals	1-6
1.2.4 Travel on public roads	1-7
<b>1.3 Maintenance</b>	1-9
1.3.1 Fire prevention and first aid	1-9
1.3.2 High pressure leaks	1-10
1.3.3 Tire safety	1-10
1.3.4 Replacement parts	1-11
<b>1.4 Marker lamps</b>	1-12
<b>1.5 Transport stops</b>	1-13
<b>1.6 Safety sign location</b>	1-14





## 1.1 Introduction

### 1.1.1 Safety alert symbol

The safety alert symbol means Attention! Become Alert! Your Safety Is Involved!

Look for the safety alert symbol both in this manual and on safety signs on this machine. The safety alert symbol will direct your attention to information that involves your safety and the safety of others.



Fig. 1

### 1.1.2 Safety messages

The words DANGER, WARNING or CAUTION are used with the safety alert symbol. Learn to recognize these safety alerts and follow the recommended precautions and safety practices.



**DANGER:**  
Indicates an imminently hazardous situation that, if not avoided, will result in **DEATH OR VERY SERIOUS INJURY.**



**WARNING:**  
Indicates a potentially hazardous situation that, if not avoided, could result in **DEATH OR SERIOUS INJURY.**



**CAUTION:**  
Indicates a potentially hazardous situation that, if not avoided, may result in **MINOR INJURY.**



Fig. 2

### 1.1.3 Informational messages

The words important and note are not related to personal safety, but are used to give additional information and tips for operating or servicing this equipment.

**IMPORTANT:** *Identifies special instructions or procedures which, if not strictly observed, could result in damage to or destruction of the machine, process, or its surroundings*

**NOTE:** *Identifies points of particular interest for more efficient and convenient repair or operation.*

### 1.1.4 Safety signs

**WARNING:**

**Do not remove or obscure Danger, Warning or Caution signs. Replace any Danger, Warning or Caution signs that are not readable or are missing. Replacement signs are available from your dealer in the event of loss or damage. The actual location of the safety signs is illustrated at the end of this section.**

Keep signs clean by wiping off regularly. Use a cleaning solution if necessary.

If parts have been replaced or a used machine has been purchased, make sure all safety signs are in the correct location and can be read. Illustrations of safety sign locations are located at the rear of this section.

Replace any safety signs that can not be read or are missing. Clean the machine surface thoroughly with a cleaning solution before replacing signs. Replacement safety signs are available from your dealer.

### 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 attachments before operating this machine. Remember you are the key to safety. Good safety practices not only protect you, but also the people around you.

Study the features in this manual and make them a working part of your safety program. Keep in mind that this safety section is written only for this type of machine. Practice all other usual and customary safe working precautions, and above all remember - safety is your responsibility. You can prevent serious injury or death.

This safety section is intended to point out some of the basic safety situations that may be encountered during the normal operation and maintenance of your machine. This section also suggests possible ways of dealing with these situations. This section is not a replacement for other safety practices featured in other sections of this manual.

Personal injury or death may result if these precautions are not followed.

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

Do not let anyone operate the machine without instruction and training.

For your personal safety and the personal safety of others, follow all safety precautions and instructions found in the manuals and on safety signs affixed to the machine and all attachments.

Use only approved attachments and equipment.

Make sure your machine has the correct equipment needed by the local regulations.



Fig. 3

**WARNING:**

An operator should not use alcohol or drugs which can affect their alertness or coordination. An operator on prescription or 'over the counter' drugs needs medical advice on whether or not they can properly operate machines.

**CAUTION:**

If any attachments used on this equipment have a separate Operator Manual, see that manual for other important safety information.

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### 1.1.6 This manual

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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.

## 1.2 Operation

### 1.2.1 Prepare for operation

Read and understand all operating instructions and precautions in this manual before operating or servicing the machine.

Make sure you know and understand the positions and operations of all controls. Make certain all controls are in neutral and the parking brake is applied before starting the machine. Make sure the steering wheel is centered and locked.

**WARNING:**

**Any time the engine is running and the parking brake is disengaged, the machine will turn if the steering wheel is moved even though the travel control lever is in neutral.**

Make certain all people are well away from your area of work before starting and operating the machine. Check and learn all controls in an area clear of people and obstacles before starting your work. Be aware of the machine size and have enough space available to allow for operation. Never operate the machine at high speeds in crowded places.

Emphasize the importance of using correct procedures when working around and operating the machine. Do not let children or unqualified persons operate the machine. Keep others, especially children, away from your area of work. Do not permit others to ride on the machine.

Make sure the machine is in the proper operating condition as stated in the Operator Manual. Make sure 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 equipment before you start.

### 1.2.2 Personal protective equipment

Wear all personal protective equipment (PPE) and protective clothing issued to you or called for by job conditions and country/local regulations. PPE includes, but is not limited to, equipment to protect eyes, lungs, ears, head, hands and feet when operating, servicing, or repairing equipment.

Always keep hands, feet, hair, and clothing away from moving parts. Do not wear loose clothing, jewelry, watches, or other items that could entangle in moving parts. Tie up long hair that can also entangle in moving parts.



Fig. 4

### 1.2.3 Agricultural chemicals

Agricultural chemicals can be very hazardous. Improper use of fertilizer, fungicides, herbicides, insecticides and pesticides can injure people, plants, animals, soil and other people's property.

Always read and follow all manufacturers' instructions before opening any chemical container.

Even if you think you know the instructions, read and follow instructions each time you use a chemical.

Use the same precautions when adjusting, servicing, cleaning or storing the machine as used when installing chemicals into the hoppers or tanks.

Inform anyone who comes in contact with chemicals of the potential hazards involved and the safety precautions required.

Stand upwind and away from smoke from a chemical fire.

Store or dispose of all unused chemicals only in a manner as specified by the chemical manufacturer.

### 1.2.4 Travel on public roads

Make sure you understand the speed, brakes, steering, stability, and load characteristics of this machine before you travel on public roads.

Use good judgment when traveling on public roads. Maintain complete control of the machine at all times. Never coast down hills.

The maximum speed of farm equipment is governed by local regulations. Adjust travel speed to maintain control at all times.

Familiarize yourself with and obey all road regulations that apply to your machine. Consult your local law enforcement agency for local regulations regarding movement of farm equipment on public roads. Use head lamps, flashing warning lamps, tail lamps and turn signals, day and night, unless prohibited by local law.

Make sure all the flashers are operating prior to driving on the road. Make sure reflectors are correctly installed, in good condition, and wiped clean. Make sure the Slow Moving Vehicle (SMV) emblem is clean, visible, and correctly mounted on the rear of the machine.

Always travel with the loader as low as possible. Do not drive with loader up.

Lock brake pedals together (if equipped with dual brake pedals) so both wheel brakes will be applied at the same time.

Raise implements to transport position and lock in place. Place all implements into narrowest transport configuration.

Disengage the power takeoff and differential lock.

With towed implements, use a proper hitch pin with a clip retainer and safety transport chain.

Be aware of other traffic on the road. Keep well over to your own side of the road and pull over, whenever possible, to let faster traffic pass.

Be aware of the overall width, length, height, and weight of the machine. Be careful when transporting the machine on narrow roads and across narrow bridges.

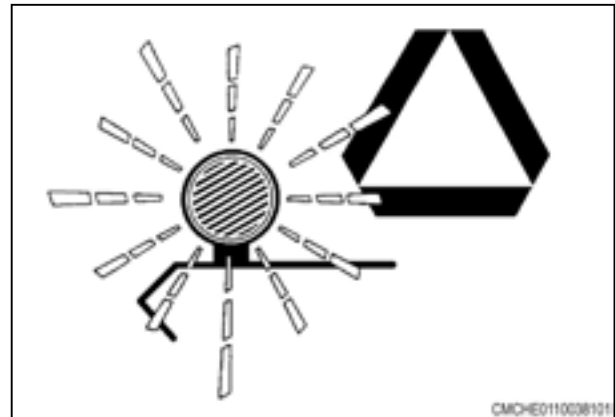


Fig. 5

Watch for overhead wires and other obstructions. Avoid contact with electrical power lines. Contact with electrical power lines can cause electrical shock, resulting in very serious injury or death.

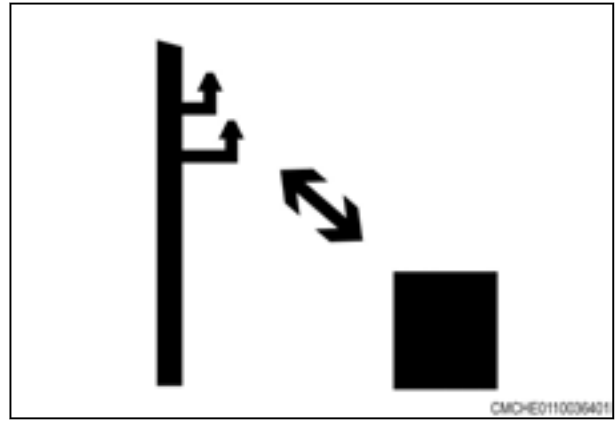


Fig. 6

## 1.3 Maintenance

### 1.3.1 Fire prevention and first aid

Be prepared for emergencies.

Keep a first aid kit handy for treatment of minor cuts and scratches.

Always carry one or more fire extinguishers of the correct type. Check fire extinguishers regularly as instructed by the manufacturer. Make sure fire extinguishers are properly charged and in operating condition.

Due to the nature of the crops this machine will operate in, the risk of fire is of concern. Use a water type fire extinguisher or other water source for a fire in crop.

For fires involving anything other than crop, such as oil or electrical components, use a dry chemical fire extinguisher with an ABC rating.

Mount fire extinguishers within easy reach of where fires can occur.

Frequently remove accumulated crop material from the machine and check for overheated components. Check the machine daily for any noises that are not normal. Such noises could indicate a failed component that can cause excess heat.

If any flame cutting, welding, or arc welding is to be done on the machine or attachments, make sure to clear any crop material or debris from around the area. Make sure the area below the work area is clear of any flammable material as falling molten metal or sparks can ignite the material.

If fire occurs stand upwind and away from smoke from the fire.



Fig. 7



Fig. 8

### 1.3.2 High pressure leaks

Fluid leaking from the hydraulic system or the fuel injection system under high pressure can be very hard to see. The fluid can go into the skin causing serious injury.

Fluid injected into the skin must be surgically removed within a few hours. If not removed immediately, serious infection or reaction can develop. Go immediately to a doctor who knows about this type of injury.



Fig. 9

Use a piece of cardboard or wood to search for possible leaks. Do not use your bare hand. Wear leather gloves for hand protection and safety goggles for eye protection.

Relieve all pressure before loosening any hydraulic lines. Relieve the pressure by lowering raised equipment, shutting off accumulator valve, if equipped, and shutting off the engine. Tighten all connections securely before applying pressure.

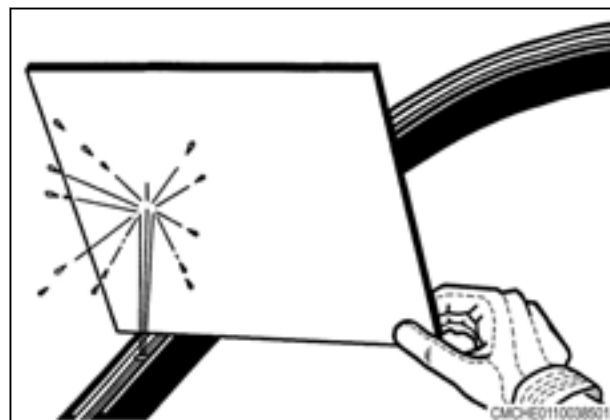


Fig. 10

### 1.3.3 Tire safety

Check tires for cuts, bulges, and correct pressure. Replace worn or damaged tires. When tire service is needed, have a qualified tire mechanic service the tire. Tire changing can be very hazardous and must be done by qualified tire mechanic using proper tools and equipment. See the Specifications Section for the correct tire size.

Tire explosion and/or serious injury can result from over inflation. Do not exceed the tire inflation pressures. See the Specifications Section for the correct tire pressure.

Do not inflate a tire that is seriously under inflated or has been run flat. Have the tire checked by qualified tire mechanic.

Do not weld on the rim when a tire is installed. Welding will make an air/gas mixture that can cause an explosion and burn with high temperatures. This danger applies to all tires, inflated or deflated. Removing air or breaking the



Fig. 11



bead is not enough. The tire must be completely removed from the rim prior to welding.

When preparing a calcium chloride solution for fluid ballasting the tractor tires, never pour water onto the calcium chloride. A chlorine gas can be generated which is poisonous and explosive. This can be avoided by slowly adding calcium chloride flakes to water and stirring until they are dissolved.

When seating tire beads onto rims, never exceed 2.4 bar (35 psi) or the maximum inflation pressure specified on the tire. Inflation beyond this maximum pressure may break the bead, or even the rim, with explosive force.

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### 1.3.4 Replacement parts

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Where replacement parts are necessary for periodic maintenance and servicing, genuine replacement parts must be used to restore your equipment to original specifications.

The manufacturer will not accept responsibility for installation of unapproved parts and/or accessories and damages as a result of their usage.

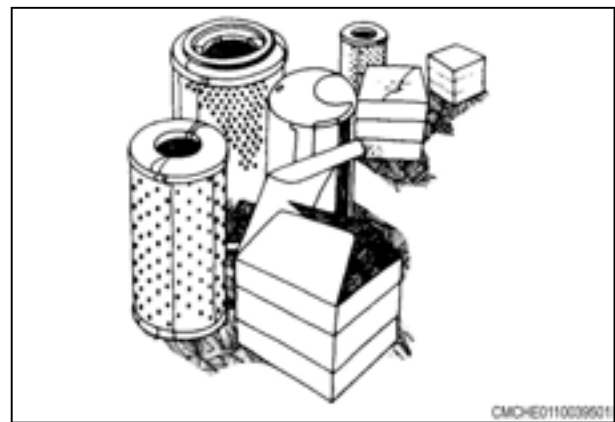


Fig. 12

## 1.4 Marker lamps

The machine is equipped with marker lamps that must be used when transporting the machine on public roads.

The machine is equipped with two amber lamps (1) (4) located at the outside edges of the rear wing rest frame.

The machine is equipped with two red lamps (2) (3) located in the rear center of the machine.

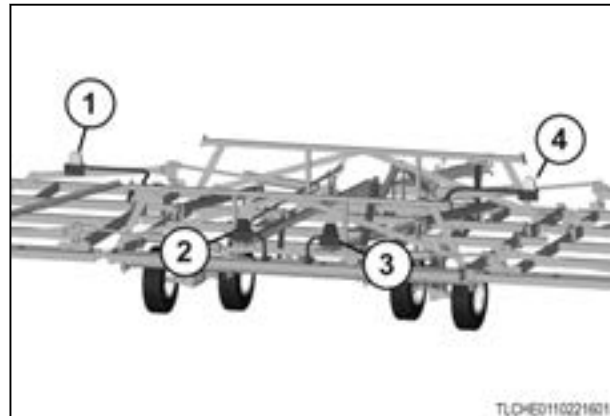


Fig. 13

## 1.5 Transport stops

The machine is equipped with transport stops (1). Use the transport stops when transporting the machine on public roads. When not in use, keep the transport stops on the storage brackets (2) on the main frame of the machine.

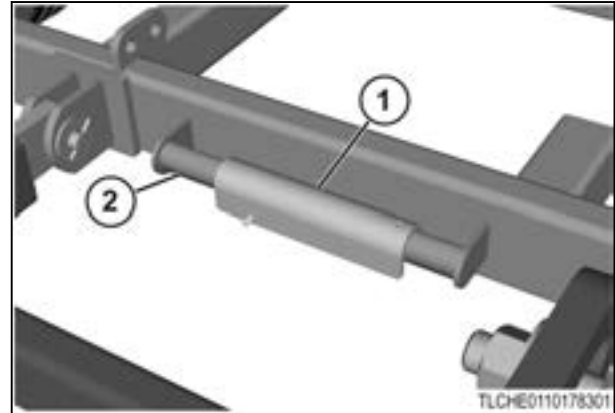


Fig. 14

### Machines equipped with a level lift hitch

Install the transport stops (1) on the rods of the lift cylinders (2) located at the rear of the machine.

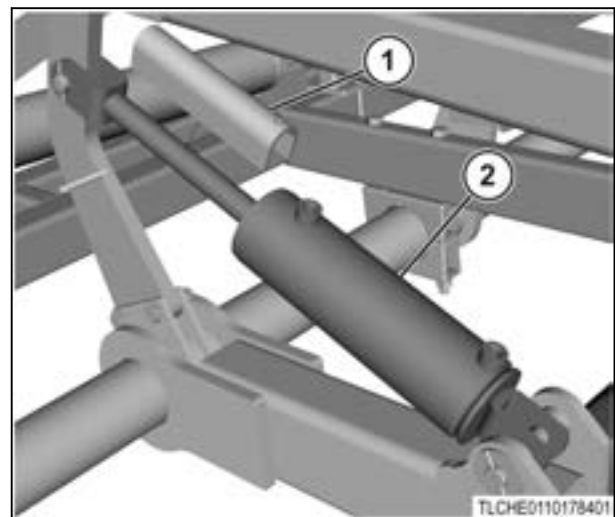


Fig. 15

### Machines equipped with floating hitch

Install the transport stops (1) on the rods of the lift cylinders (2) located at the front of the machine.

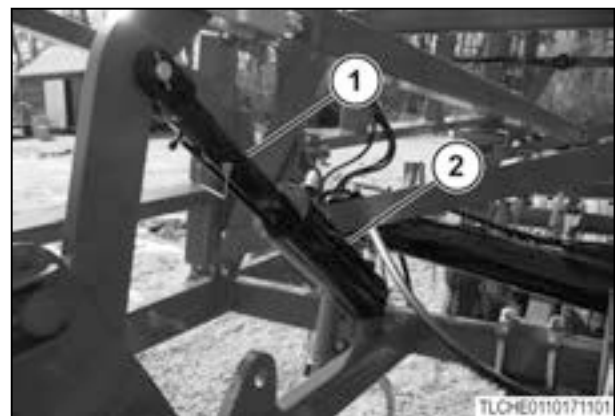


Fig. 16

## 1.6 Safety sign location

### Main frame and wing frame safety signs

The following safety signs will be installed on the main frame and wing frame of the machine.

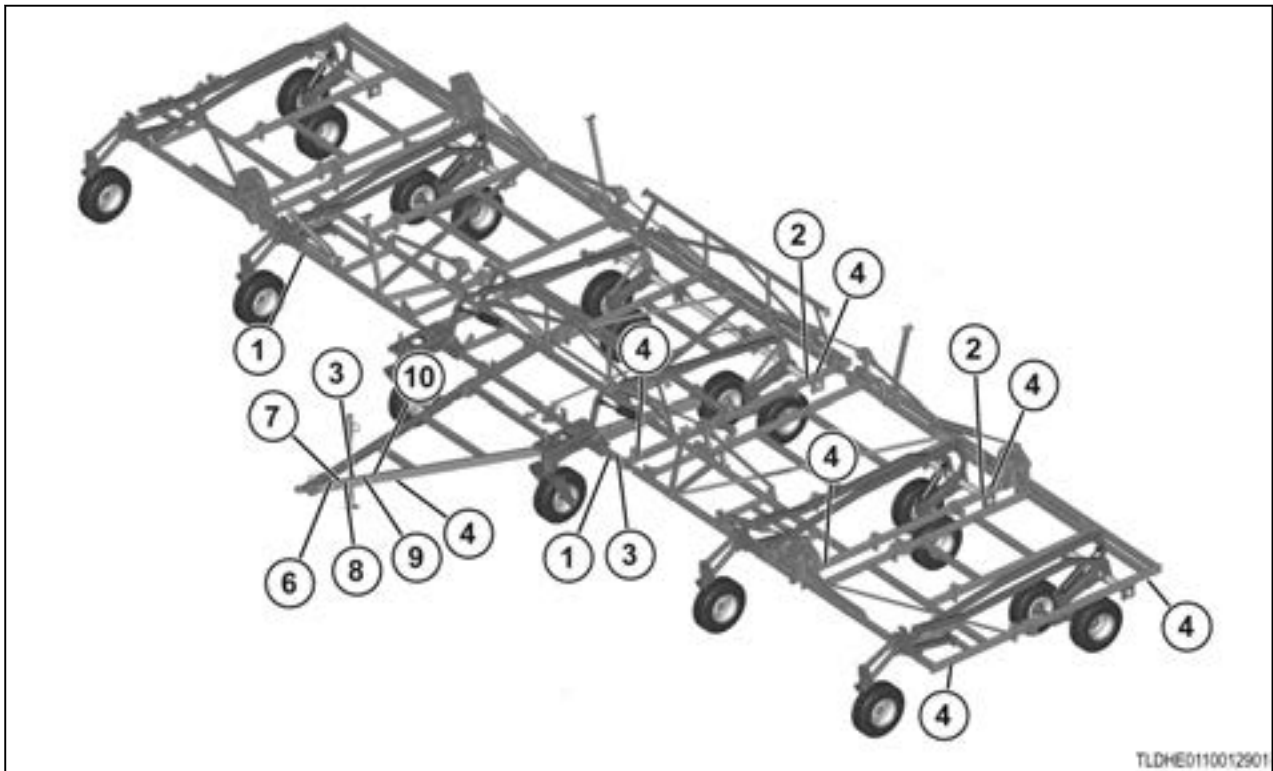


Fig. 17

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