

**7200 Rigid / 8200 Flex
Grain Header
Workshop Service Manual**

**Massey Ferguson®
7200 Rigid / 8200 Flex
Grain Header
4283098M1
CONTENTS**

GENERAL INFORMATION 01
DRIVE AND CUTTING COMPONENTS..... 02
FRAME AND HOUSING COMPONENTS 03
REELS 04
INDEX 05

Massey Ferguson®

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Grain Header**

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4283098M1**

01 - General Information

Contents

Safety	01-3
Safety Alert Symbol	01-3
Signal Words	01-3
Informational Messages	01-3
Safety Signs	01-4
A Word to the Operator	01-4
Fire Prevention and First Aid	01-6
Prepare for Operation	01-6
Road and Highway Operation	01-7
Header Transport Tie-Down	01-8
Operation	01-9
Maintenance	01-12
Engine Safety	01-13
Tire Safety	01-14
Battery Safety	01-14
Cylinder Stops	01-16
Header Lift Cylinder Stop	01-16
Shields	01-18
Introduction	01-21
Replacement Parts	01-21
Recommended Header/Machine Usage	01-21
Machine Identification	01-22
Operation	01-23
Checklists	01-23
Headers - General	01-24
Removing Header	01-24
Attaching Header	01-28
Leveling the Header (Non-lateral Tilt)	01-30
Header Weight, Right-hand End	01-30
Header Extremity Lights	01-31
Reel Position	01-32
Reel Speed Control Valve	01-34
Torque Limiter (Adjustable Relief Valve)	01-35
Reel Lift Arms	01-36
Tine Pitch Adjustment	01-37
Tine Replacement	01-37
Reel Motor Chain Adjustment	01-40
Header Auger Adjustments	01-40
Seal Strip	01-44
Closure Extensions	01-44
Straw Retarders	01-44
Sickle Storage	01-44

Contents

Cutterbar Tilt Adjustments	01-45
Header Control System	01-50
Dividers	01-51
Auger Drive Chain Tension	01-52
Sickle Drive Gear Box	01-52
Recommended Basic Settings	01-54
Field Service tips	01-56
Lubrication and Maintenance	01-64
Drive Belts and Chains	01-64
Installation of Relubeable Bearings	01-66
Metric Information	01-67
Lubrication Details	01-68
Specifications	01-71
Rigid Headers	01-71
Flexible Cutterbar Headers	01-71
Pick-up Reel - HCC Model	01-71
Bat Reel metal Bats	01-71
Reel Drive	01-71
Reel Height Control	01-72
Cutterbar	01-72
Knife	01-72
Conveyor	01-72
Dimensions	01-73
Header Speed Chart at Rated Engine Speed	01-76
Electric Actuator	01-77
Special Tools	01-78

GENERAL INFORMATION

SAFETY

Safety Alert Symbol

FIG. 1: 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

Signal Words

FIG. 2: 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

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.

General Information

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.

If a used machine has been purchased, make sure all safety signs are in the correct location and can be read.

See Safety Sign Location of this section for illustrations.

Replace any safety signs that cannot be read or are missing. Replacement safety signs are available from your dealer.

A Word to the Operator

FIG. 3: Read and understand this manual and the manual for all attachments before operating the machine.

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 decals affixed to the machine and attachments.

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



WARNING: An operator must not use alcohol or drugs, which can affect their alertness or coordination. An operator taking prescription or over the counter drugs needs medical advice on whether or not they can properly operate machines.

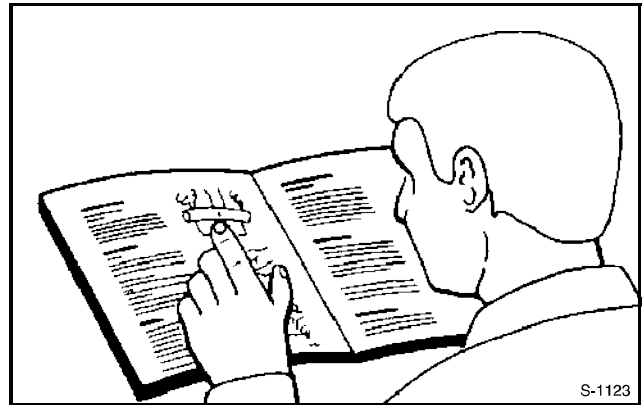


FIG. 3

IT IS TOO LATE TO REMEMBER WHAT SHOULD HAVE BEEN DONE AFTER THE ACCIDENT HAS HAPPENED.

- **READ** the Operator's Manuals carefully to acquaint yourself with the header and the machine. Operating unfamiliar equipment can cause accidents.
- **ALWAYS** shift the transmission to neutral, stop the engine, set the brake and remove the start key before leaving the operator's station, or before permitting anyone to inspect, clean, lubricate, adjust or repair any part of the machine or its attachments, unless otherwise specifically recommended in the Service Manual or the Operator's Manual.
- **NEVER** permit anyone to work under the header or the feeder housing or between the header and the machine **UNLESS** the lift ram stop is fully engaged on the lift ram, the engine is stopped, the brake is set, the key is removed from the start switch, and the header is latched securely to the feeder housing.
- **NEVER** permit the operator or another person to engage or disengage the lift ram stop **UNLESS** the engine is stopped, the brake is set, and the key is removed from the start switch while that person is between the header and the machine or under the feeder housing.
- **NEVER** permit anyone to get under the reel **UNLESS BOTH THE RIGHT HAND and LEFT HAND** reel lift ram stops are fully engaged over the lift ram rods and against the ends of the lift ram barrels, the engine is stopped, the brake is set, and the start key is removed.
- **BE SURE** that everyone is clear of the machine before starting the engine and mechanism or its attachments.
- **ALWAYS** be sure that all shields, guards and access doors are in place when the header is in operation.
- **DO NOT** try to clean, adjust, or service the header while the header or the machine is running.
- **KEEP** all belts and chains in alignment and at the proper tension.
- **NEVER** turn the header conveyor or drives unless **ALL** parts of the body and articles of clothing are well clear of the sickle, chains, gears, and other moving parts.
- **FOR YOUR SAFETY** and the safety of others, all **SAFETY AND OPERATIONAL DECALS** that become damaged, faded, or come off should be replaced immediately.
- **REMEMBER** that safe operation is no accident.
- **ALWAYS** lower the Grain Head to the ground, or block, or lock the Grain Head up securely before disconnecting or servicing any part of the hydraulic system.
- **ALWAYS** keep the drives, moving parts, and shields clean of chaff and straw buildup to reduce the possibility of fire.
- **BEFORE** attaching, adjusting or working on the driveline, disengage the header drive, lower the header to the ground, stop engine, remove starter key and set the parking brake.
- **BEFORE** engaging the header drive, carefully engage and lower the header to check the clearance, driveline shaft slide range, and articulation.
- **BE SURE** that all drivelines have the correct guards and that they are in good operating condition.
- **NEVER** use the drive line as a step.
- **NEVER** wear loose fitting clothing and keep at least your height in distance away from a rotating drive line.

General Information

Fire Prevention and First Aid

FIG. 4: Be prepared for emergencies. Always carry one or more suitable fire extinguishers - ABC rating, dry chemical, 2.2 KG (5 lb). Check fire extinguishers regularly to be sure the fire extinguishers are properly charged and in operating condition.

Mounting a fire extinguisher near the operator's cab and a fire extinguisher near the engine compartment is recommended.

To reduce the risk of fire, frequently remove accumulated crop material from the machine and engine deck and check for overheated components.

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

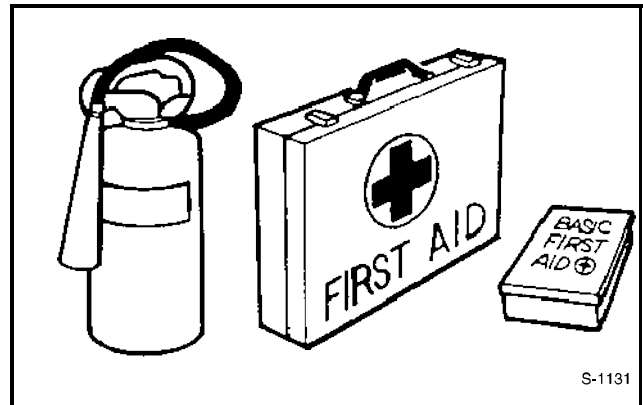


FIG. 4

FIG. 5: To reduce the risk of fire or damage if fire occurs:

- Make sure the engine compartment is free of chaff and crop debris
- Clean areas of the machine & header where crop can accumulate
- Mount a fire extinguisher within easy reach at the front and rear of the machine

If any flame cutting, welding, or arc welding is to be done on the machine or header, 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.

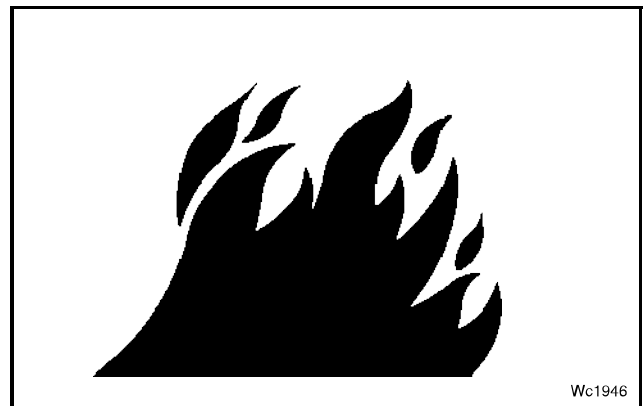


FIG. 5

Prepare for Operation

Make sure the machine is in the proper operating condition as stated in the operator's manual. Make sure the machine has the correct equipment needed by local regulations.

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 that all controls are in neutral and the parking brake is engaged before starting the machine. Make certain that all people are well away from your area of work before starting and operating the machine.

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

Road and Highway Operation

FIG. 6: COMPLY with your state and local **LAWS** and **REGULATIONS** governing highway safety when moving machinery on a highway.

- **ALWAYS** travel at a reasonable speed for road or field conditions. Whenever possible, avoid traveling near ditches, embankments and holes. Reduce speed when turning, crossing slopes, and on rough, slick or muddy surfaces.
- **AVOID** transporting the machine on the road with grain in the tank. Extra caution and slower speeds need to be used if the machine must be transported with grain in the tank.
- **ALWAYS** reduce your speed **GRADUALLY** to maintain adequate weight for stability on the rear (steering) wheels whenever:
 - a. Slowing the **ENGINE** speed.
 - b. Slowing the **HYDRO-TRACTION** drive.
 - c. Applying the **BRAKES**.
- **BRAKES** must be locked together during road travel. **NEVER** apply individual wheel brakes for turning assist during road or highway operation.
- **TOWING** of the machine is **NOT** recommended. But if the machine must be towed, refer to the Operator's Manual for proper towing procedures.
- **ROTATE** the header extremity lights
- **CHECK** clearance **CAREFULLY** before driving the machine and header under electric lines, over bridges, or other obstructions along the highway.

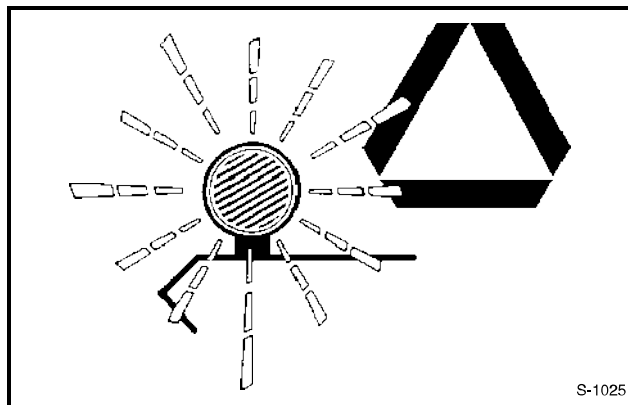


FIG. 6

General Information

Header Transport Tie-Down

FIG. 7: Hooking locations are provided on the header to allow for proper tie-down for transport. The following section outlines recommended attaching points and chain direction of pull.

One lower center rear tie-down slot (1) is located just below the center of the feeder house opening. Insert a grab hook (2) into the lower frame slot as shown in the figure.

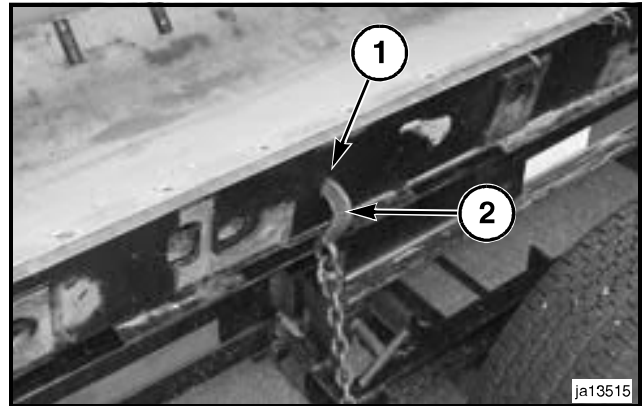


FIG. 7

FIG. 8: One lower center rear tie-down slot (1) is located on either side of center just outside of the feed house opening. Insert a grab hook (2) into the lower frame slot as shown in the figure.

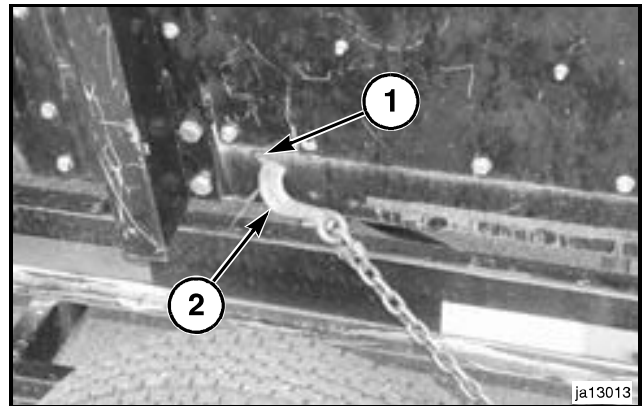


FIG. 8

FIG. 9: One lower outer end rear tie-down (1) is located at the right-hand and left-hand outer ends of the lower frame. Insert the hook (2) into the lower frame slot as shown in the figure.

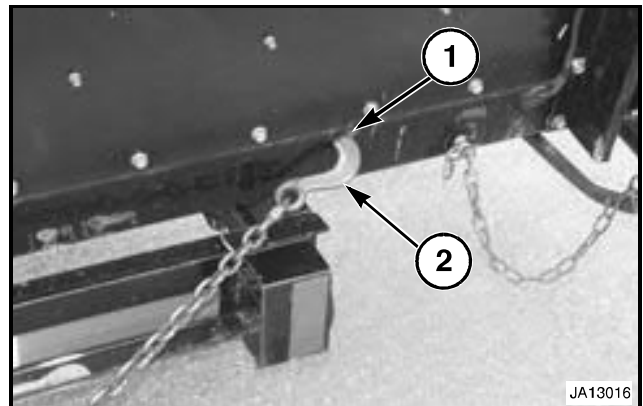


FIG. 9

FIG. 10: Wrap a nylon strap (1) around the truss assembly above the feeder house opening, attach a chain (2) and (3) to each end of the strap, and then tie-down forward and to the sides as shown in the figure.

NOTE: The chains must clear the auger.

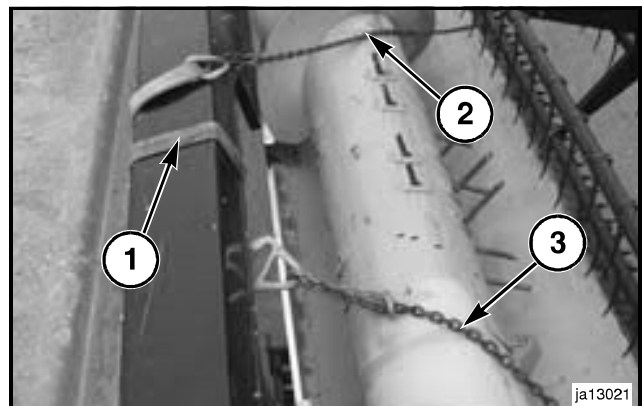


FIG. 10

Operation



WARNING: In order to provide a better view, certain photographs and illustrations in this manual may show an assembly with the shield removed. Do not operate the machine and attachments unless all shields are in place. Replace shields immediately upon completion of inspection, repairs, cleaning or adjustments and before operation begins/resumes.

FIG. 11: Wear close fitting clothing and personal protection equipment appropriate for operating and/or performing lubrication and maintenance. Tie up long hair to prevent hair from becoming entangled in moving parts.

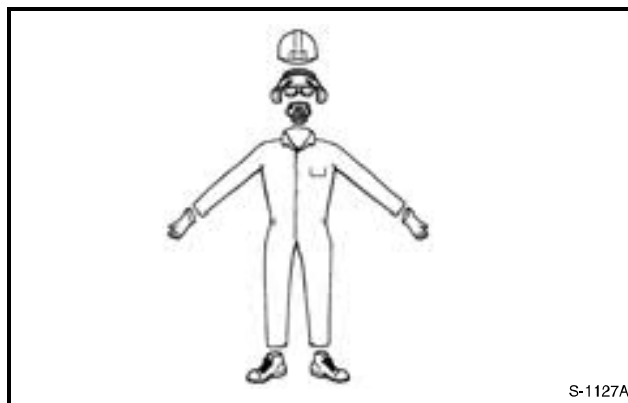


FIG. 11

FIG. 12: Face the ladder and use the handrails when getting on or off the machine.



FIG. 12

FIG. 13: Never operate the engine in a closed building unless exhaust is vented outside.

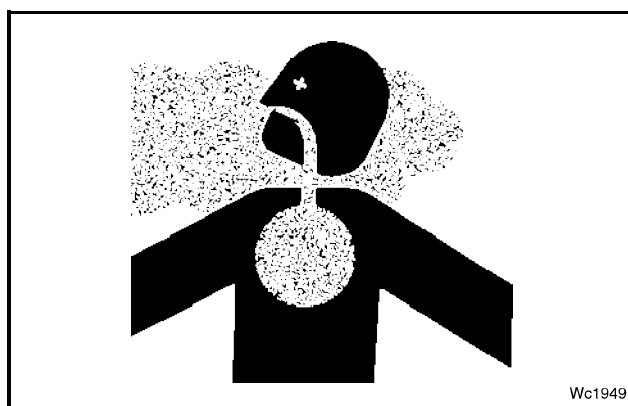


FIG. 13

General Information

FIG. 14: Always wear the seat belt when the machine is moving. If another person is riding in the instructor's seat, make sure the person wears a seat belt. Seat belts must be worn fitted snug around the hips and not twisted.

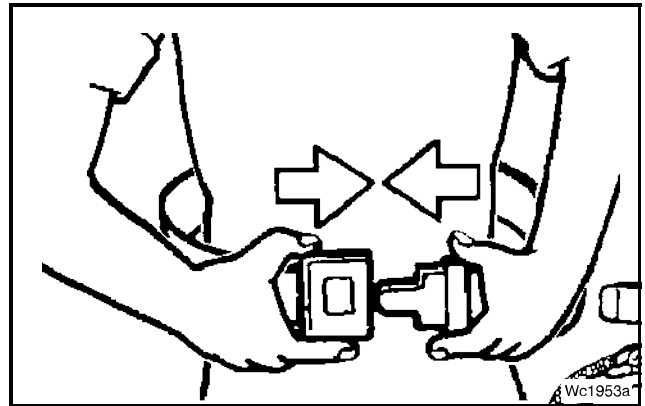


FIG. 14

FIG. 15: Never allow anyone on any part of the machine or attachments except in the operator's seat and the instructor's seat when the engine is running.

Do not attempt to get on or off the machine while the machine is moving.

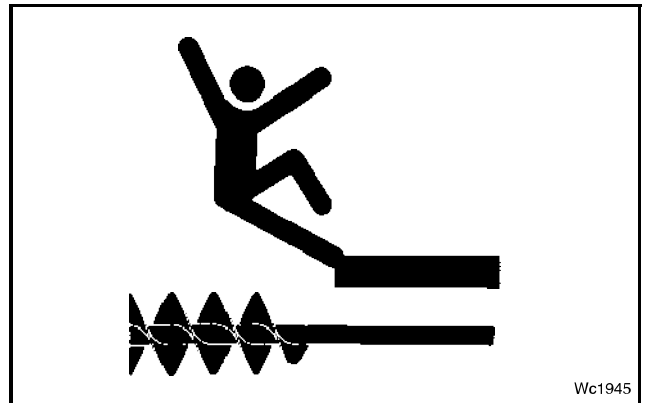


FIG. 15

FIG. 16: Avoid contact with electrical power lines. Always put the grain tank unloader tube in the transport position and lower the radio aerial before moving the machine near electrical wires. Contact with electrical power lines can cause electrical shock, resulting in very serious injury or death.

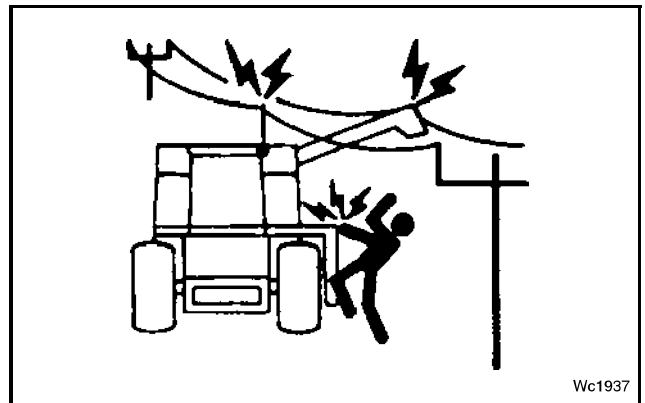


FIG. 16

FIG. 17: Use extra care and reduce speed when operating on hillsides or near ditches or embankments especially with a full grain tank to avoid rollover. Travel speed must be such that complete control and machine stability is maintained at all times. Shift to a lower gear before descending a steep hill.

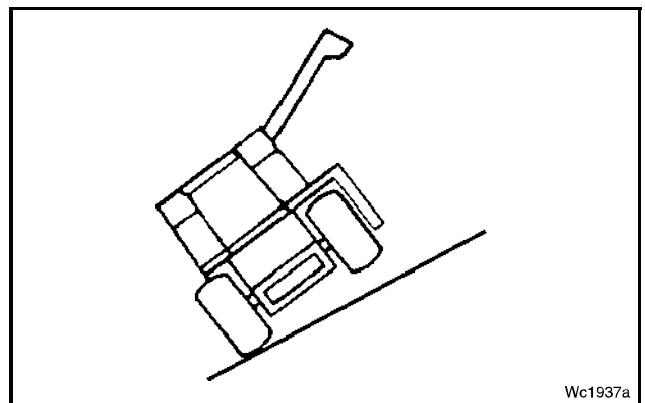


FIG. 17



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