

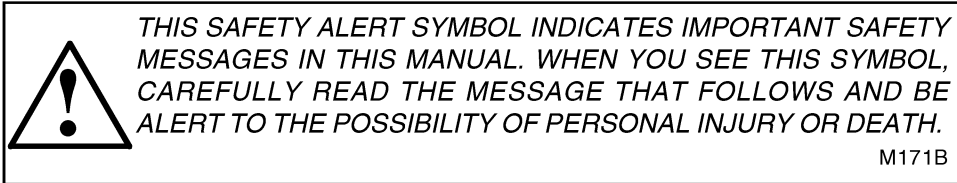
4166 Tractor

Operators Manual

1084116R1

Reprinted




CASE III



If Safety Decals on this machine use the words **Danger, Warning or Caution**, which are defined as follows:

- **DANGER:** Indicates an immediate hazardous situation which if not avoided, will result in death or serious injury. The color associated with Danger is RED.
- **WARNING:** Indicates an potentially hazardous situation which if not avoided, will result in serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates an potentially hazardous situation which if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

If Safety Decals on this machine are ISO two panel Pictorial, decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW.
- Prohibition symbols such as   and  if used, are RED.



WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH. BEFORE USING THIS MACHINE, MAKE CERTAIN THAT EVERY OPERATOR:

- Is instructed in safe and proper use of the machine.
- Reads and understands the Manual(s) pertaining to the machine.
- Reads and understands ALL Safety Decals on the machine.
- Clears the area of other persons.
- Learns and practices safe use of machine controls in a safe, clear area before operating this machine on a job site.

It is your responsibility to observe pertinent laws and regulations and follow Case Corporation instructions on machine operation and maintenance.

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MA-10034

INTRODUCTION



1 - Right
2 - Rear

3 - Left
4 - Front

Illust. 2
Terms of location.

LEFT and RIGHT indicate the left and right sides of the tractor when facing forward in the driver's seat. See Illust. 2.

The illustrations in this manual are numbered to correspond with the pages on which they appear; for example, Illust. 2, is on page 2.

A variety of optional equipment is available. Refer to "Optional Equipment". Operating and maintenance instruction on these items is included in the instructions for operating or Maintaining the tractor.

WORK SAFELY — FOLLOW THESE RULES



This symbol is used to call your attention to instructions concerning your personal safety. Be sure to observe and follow these instructions.

A CAREFUL OPERATOR IS THE BEST INSURANCE AGAINST AN ACCIDENT

BEFORE STARTING

Know the controls and what they do.

When fueling an engine, keep any type of open flame away. Do Not Smoke! Wait for the engine to cool before refueling it.

Check brakes and clutch for correct adjustments.

Check coolant and engine oil levels, and perform any other necessary services, before starting the engine.

Clean dirt, trash, and grease from operator's platform, pedals, steps, and steering wheel.

Be sure exhaust pipe and extension are in place so exhaust gases are discharged above operator.

Always carry a "Charged" fire extinguisher and a first aid kit.

Avoid loose-fitting clothing, which could catch on moving parts.

Mounting assist handles and steps are provided for your safety. Use them when getting on or off the tractor.

Put all controls in neutral before starting the engine.

Be sure power take-off lever is in the "OFF" or disengaged position before starting engine.

Before starting engine make sure helpers or observers stand clear of equipment.

Operate the engine only in well ventilated areas.

Release park brake completely.

Check overhead clearance carefully before driving under power lines, guy wires, bridges, low hanging tree branches, entering or leaving buildings, etc.

DURING OPERATION

Hydraulic fluid escaping under pressure can have enough force to penetrate the skin. Hydraulic fluid may also infect a minor cut or opening in the skin. If injured by escaping fluid, see a doctor at once. Serious infection or reaction can result if medical treatment is not given immediately. Make sure all connections are tight and that hoses and lines are in good condition before applying pressure to the system. Relieve all pressure before disconnecting the lines or performing other work on the hydraulic system. To find a leak under pressure use a small piece of cardboard or wood. Never use hands.

Power take-off master shield must always be in place on the tractor.

Use the drawbar in lowest position when hitching to a heavy load, such as manure spreaders, loaded two-wheel trailers, and heavy wagons.

Pull only from drawbar; never hitch to axle housing.

Shift transmission to neutral and set park brake before dismounting to hitch equipment.

Always keep safety shields in place when using power take-off.

Disengage PTO and shut off the engine before adjusting or unclogging power driven machinery.

Only the operator should ride on the tractor. He should sit on the seat or stand on the platform. If the tractor has roll over protective frame, he should sit on the seat with the safety belt fastened.

WORK SAFELY—FOLLOW THESE RULES

DURING OPERATION - Continued

Keep others, especially children, from riding on steps, fenders, or drawbar, and away from tractor and equipment.

Reduce speed before making a turn.

Always keep the tractor in gear when going down steep hills. A towed vehicle having a gross weight greater than the weight of the towing tractor must be equipped with its own brakes.

Always avoid sudden starts, excessive speed, and sudden stops.

Carefully supervise inexperienced operators.

Stop the engine before leaving the tractor and engage the park brake.

After an upset, no attempt should be made to straighten, weld, or otherwise repair the protective frame for further service. The frame and its mounts must be replaced in its entirety.

NOTE: Do not operate the tractor or run the engine until a thorough inspection has been made to determine that all components, controls, system, etc., are operating correctly. The tractor must be inspected for other damage, preferably, by your International Harvester dealer, and all necessary corrections made.

To assure the protection provided by design, the protective structure must not be altered by welding, cutting, drilling, or in any other manner.

TRACTORS WITH CABS

Be sure cab doors are securely latched when operating the tractor.

Adjust rear view mirrors for maximum vision.

Lock the cab doors, if locks are furnished, when leaving the tractor.

Always use the seat belts, if they are furnished with the unit. However, do not install seat belts if the tractor has no roll-over protective structure.

TRANSPORTING

Reduce speed when traveling on rough roads.

Avoid heavily-traveled roads when moving equipment, if at all possible.

Use warning devices (ie. flags, S.M.V. emblem, lights, etc.) which are approved for use by your local government agencies, when moving equipment on public roads. Keep these devices clean and in good working condition.

When transporting equipment on the highway, it is recommended that a safety chain with a 10,500 pound gross load capacity be used.

Be sure hitches and/or drawbars are properly stabilized before towing equipment.

When moving on public roads, or from field to field, lock brake pedals together for simultaneous operation when making a stop.

Be courteous, having consideration for other traffic using the road.

AFTER OPERATING

Wait for tractor to "STOP" before dismounting.

Lower equipment to ground before leaving tractor.

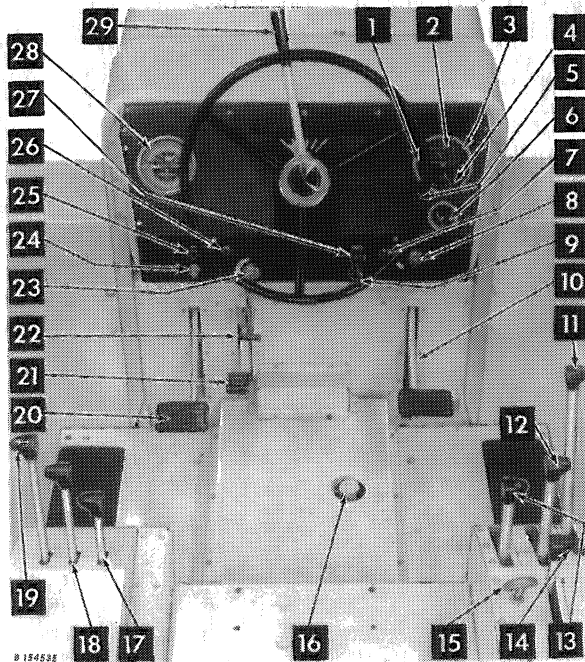
Shut off engine and remove ignition key.

Lock the park brake so tractor will not roll.

To remove the radiator cap when the engine is "HOT", turn the cap to the pressure release point - let pressure and steam escape - then remove it.

TRACTOR INSTRUMENTS AND CONTROLS

Before attempting to start or operate the tractor, be sure to review all the instructions for the new tractor and thoroughly familiarize yourself with the tractor instruments and controls.

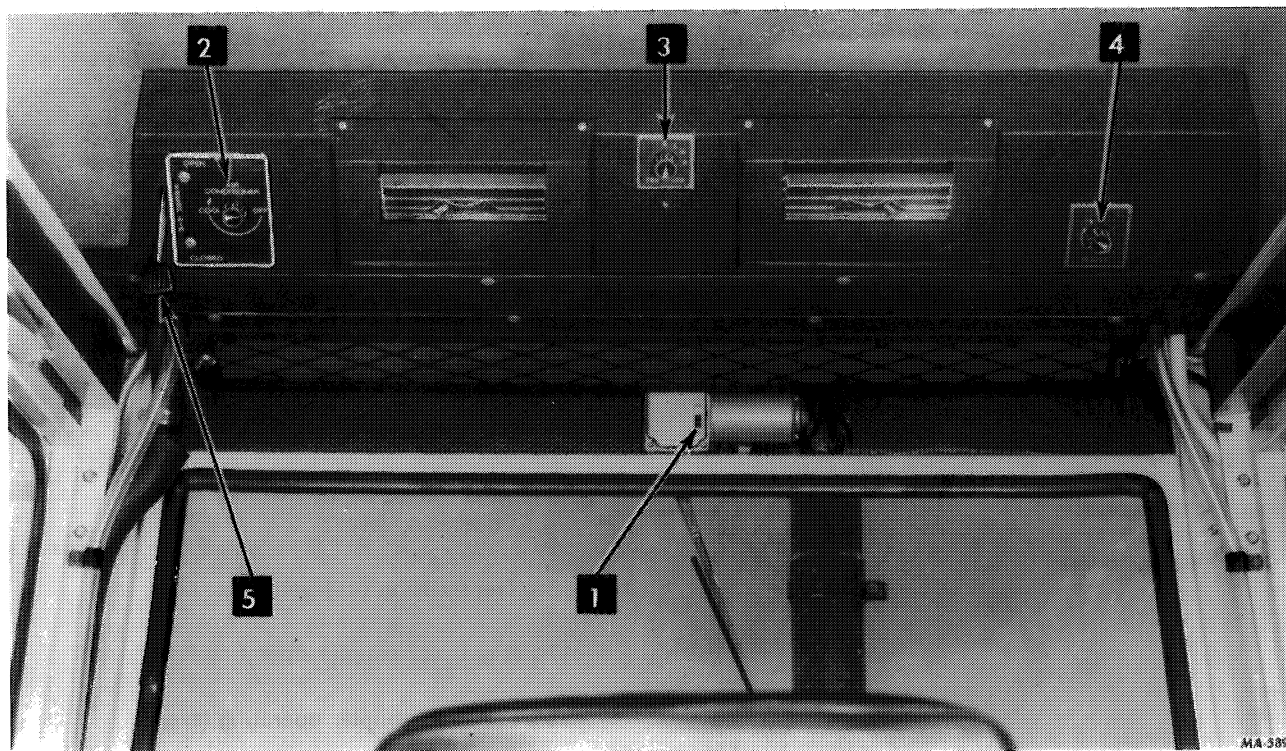


Illust. 5

Location of tractor instruments and controls.

- | | |
|---|---|
| <ul style="list-style-type: none"> 1 - Engine oil pressure tellite 2 - Fuel gauge 3 - Alternator-generator tellite 4 - Temperature gauge 5 - Transmission oil pressure tellite 6 - Air cleaner service indicator 7 - Fuse housing 8 - Lighting switch (basic tractor lights) 9 - Ether injection solenoid control switch | <ul style="list-style-type: none"> 10 - Service brake pedal 11 - Two wheel-four wheel steering control lever 12 - Range lever 13 - Speed lever 14 - Two wheel-four wheel drive lever 15 - Independent power take-off clutch operating lever 16 - Transmission oil level gauge 17 - Right rear coupler operating lever 18 - Left rear coupler operating lever 19 - Hydraulic drawbar control lever 20 - Clutch pedal 21 - Park brake pedal 22 - Park brake release lever 23 - Lighting switch (fender lights) 24 - Horn button 25 - Push button starting switch 26 - Key switch 27 - Cigarette lighter 28 - Speedometer-tachometer 29 - Engine speed control lever |
|---|---|

CAB CONTROLS



- | | |
|---|---------------------------------------|
| 1 - Windshield wiper switch on motor | 4 - Heater control |
| 2 - Air conditioner switch and cold control | 5 - Fresh air and recirculation lever |
| 3 - Pressurizer fan speed switch | |

Illust. 6
Cab controls shown.

These instructions refer to the Custom Cab with standard equipment.

The cab has a fresh air filter and pressurizer system which when in operation provides filtered fresh air into the cab.

Note: The cab electrical system is not on until the key switch is on.

OPERATING THE STANDARD CAB CONTROLS

Pressurizer fan and speed switch

The pressurizer fan is controlled by a three speed switch and air is directed into the cab by two adjustable louvres. For maximum pressurization the switch should be in the "H" (high) position and fresh air lever in open position.

CAB CONTROLS

OPERATING THE STANDARD CAB CONTROLS - Continued

Turn signals

The turn signal lever (located to the left of the steering wheel) is used by moving it down for left turn and up for right turn as shown by flashing lights on side towards turn, with steady light shown on opposite side.

Note: In order to actuate turn signals tractor taillight must be on.

Turn signal switch for standard dual flashing warning lights operation should be in the center position.

Windshield wiper switch

The windshield wiper is controlled by a motor mounted switch ("ON" and "OFF").

Dome Light

The dome light is on a live circuit and can be operated independent of tractor key switch. It is turned on and off by a toggle switch adjacent to the light.

OPERATION OF CONTROLS FOR HEATER

Heater control

The heat control must be turned on and the degree of heat may be varied by the position of the control.

Pressurizer fan and speed switch

The switch must be in one of three speeds to deliver hot air.

Air recirculation controls

To obtain quick warm up of air in the cab, in extreme cold weather conditions, fresh air lever must be in closed position to recirculate inside air. For one hundred percent filtered fresh air place the lever at the open position.

OPERATION OF CONTROLS FOR AIR CONDITIONING

Air conditioning switch and cold control

The control must be in "ON" (minimum cool position to maximum cool position) for temperature adjustment as desired, by the position of the control; also pressurizer fan speed switch must be at "ON" ("L", "M", "H") position for air conditioning to operate.

Air recirculation controls

In extreme hot weather conditions, to obtain quick cool down of air in the cab, fresh air lever must be at closed position and blower speed on "H".

For one hundred percent filtered fresh air place the fresh air control lever in the open position.

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