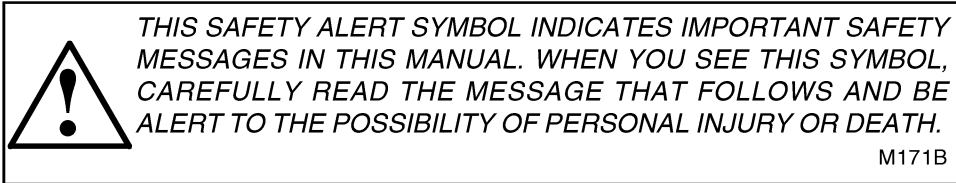


4156 Tractor
Operators Manual

1082774R1








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 a potentially hazardous situation which if not avoided, will result in serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates a 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.

To The Owner

Assembled in this manual are operation, lubrication, and maintenance instructions for the International 4156 Four-Wheel Drive Tractor. This material has been prepared in detail in the hope that it will help you to better understand the correct care and efficient operation of your tractor.

Your new International Harvester tractor is designed to meet today's exacting operating requirements. The ease and comfort of operation, the ability to match ground speeds to engine power and work requirement, and the effortless versatility of the hydraulic system are intended to lighten your work and shorten your hours on the job.

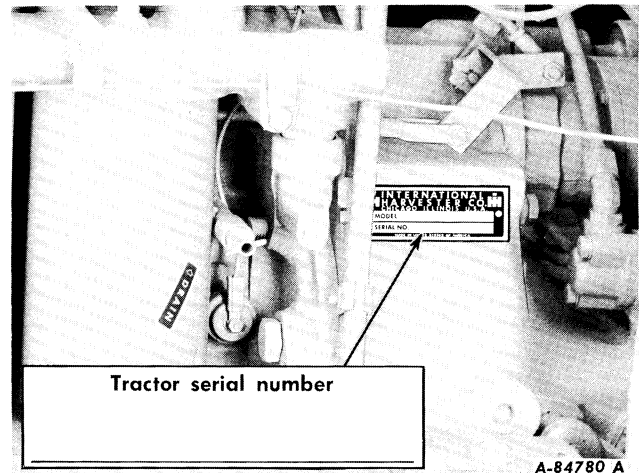
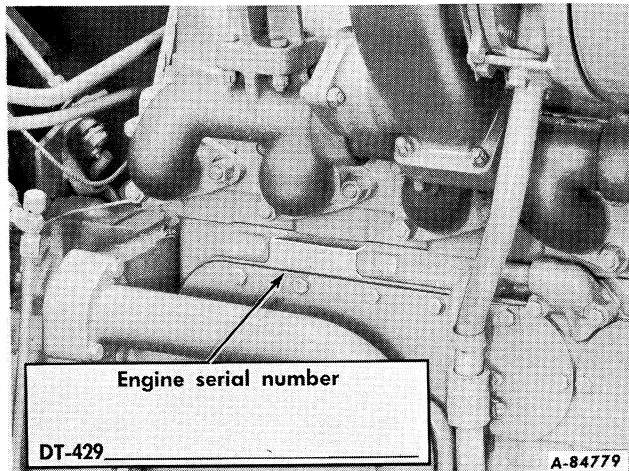
Your local International Harvester dealer is interested in the performance you receive from this tractor. He has factory-trained servicemen, informed in the latest method of servicing tractors, and modern tools, and original-equipment IH service parts which assure proper fit and good performance.

To obtain top performance and assure economical operation the tractor should be inspected, depending on its use, periodically, or at least once a year, by your International Harvester Dealer.

Before you operate the tractor study this manual carefully. It has been prepared to help you operate and maintain your tractor with utmost efficiency. New copies may be ordered from your dealer at a nominal price.

When in need of parts, always specify the tractor and engine serial numbers, including prefix and suffix letters. Write these serial numbers in the spaces provided below.

Note: When transporting a unit, seal the intake and exhaust pipe openings to prevent the entrance of foreign materials.



CONTENTS

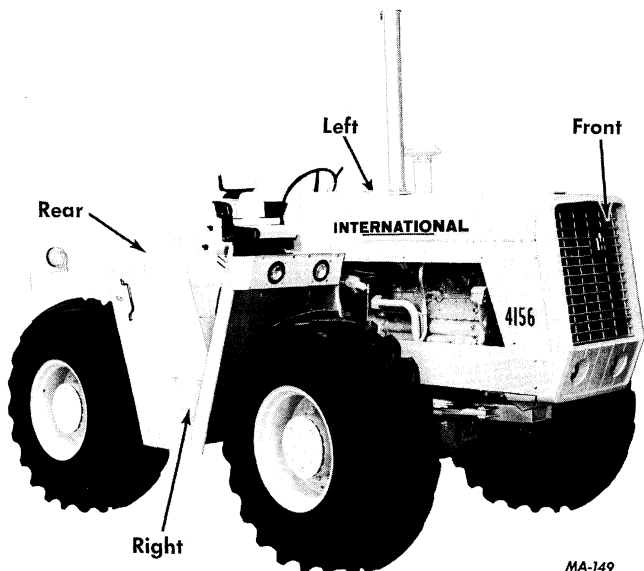
Description	Page No.
CONTENTS	1
INTRODUCTION	2
INSTRUMENTS AND CONTROLS	3
BEFORE OPERATING YOUR NEW TRACTOR	4
DRIVING THE TRACTOR	5 to 7
ENGINE AND FUEL SYSTEM	7 to 12
HYDRAULIC FITTING TORQUE CHART	13
BASIC HYDRAULIC SYSTEM WITH POWER STEERING	13 to 15
HYDRAULIC CONTROLS FOR THREE-POINT HITCH	15, 16
THREE-POINT HITCH	16 to 19
AUXILIARY VALVES AND REMOTE CYLINDERS	22, 23
HITCHING TRAILING EQUIPMENT TO THE TRACTOR	24
POWER TAKE-OFF	25
COOLING SYSTEM	25 to 28
AIR CLEANING SYSTEM	28 to 31
ELECTRICAL SYSTEM	31 to 39
MINOR ENGINE SERVICE OPERATIONS	40 to 42
STEERING, WHEELS, AND PNEUMATIC TIRES	43
WEIGHTS	44 to 46
BRAKES	46, 47
ENGINE CLUTCH	47, 48
STORING THE TRACTOR	48, 49
COLD WEATHER PRECAUTIONS	50
TROUBLE SHOOTING	51 to 55
LUBRICATION	55 to 59
LUBRICATION TABLE	59
LUBRICATION GUIDE	60 to 63
PREVENTIVE MAINTENANCE GUIDE	64, 65
SPECIFICATIONS	65 to 67
QUICK COUPLER	20, 21
EXTRA EQUIPMENT AND ACCESSORIES	67
INDEX	68, 69

INTRODUCTION



MA-186

Illust. 2
International 4156 Four-Wheel Drive Tractor with Cab.



MA-149

Illust. 2A
Terms of location.

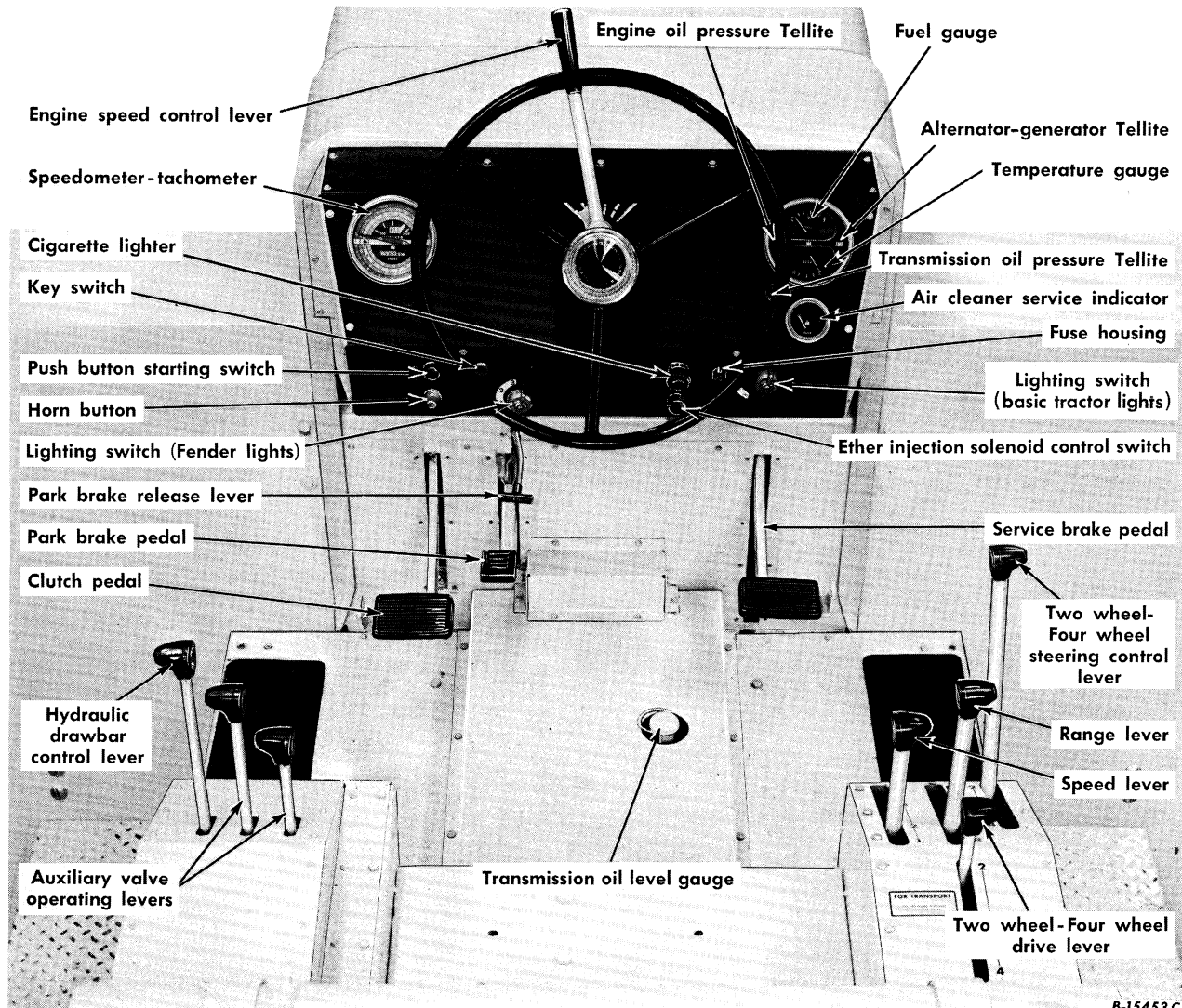
LEFT and RIGHT indicate the left and right sides of the tractor when facing forward in the driver's seat. See Illust. 2A.

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

A variety of extra equipment and accessories is available. Refer to page 67. Operating and maintenance instruction on these items is included in the instructions for operating or Maintaining the 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 instruments and controls.



Illust. 3
Instruments and controls.

Air cleaner service indicator (page 29)
 Alternator-generator Tellite (page 38)
 Auxiliary valve operating levers (pages 3 and 23)
 Cigarette lighter (page 3)
 Clutch pedal (pages 3 and 48)
 Engine oil pressure Tellite (pages 3 and 38)
 Engine speed control lever (pages 10 and 11)
 Ether injection solenoid control switch
 (pages 3 and 10)
 Fuel gauge (pages 3 and 5)
 Fuse housing (pages 38 and 39)
 Horn button (page 3)
 Hydraulic drawbar control lever (pages 3 and 24)
 Key switch (pages 3 and 31)

Lighting switch (fender lights) (pages 3 and 37)
 Lighting switch (basic tractor lights) (pages 3 and 37)
 Park brake pedal (pages 7 and 47)
 Park brake release lever (page 7)
 Push button starting switch (pages 3, 10 and 24)
 Range lever (page 6)
 Service brake pedal (pages 7, 14 and 47)
 Speed lever (page 6)
 Speedometer-Tachometer (page 6)
 Temperature gauge (page 25)
 Transmission oil level gauge (pages 3 and 56)
 Transmission oil pressure Tellite (pages 3 and 38)
 Two-Wheel Four-Wheel drive lever (page 6)
 Two-Wheel Four-Wheel steering control lever
 (pages 6 and 7)

BEFORE OPERATING YOUR NEW TRACTOR

TRACTOR BREAK-IN PROCEDURE

Never operate an engine immediately under full load, break it in carefully as shown in the table below. Do not overload the engine at any time.

Period	Engine r.p.m.	Load	Remarks
1st hour	3/4 of rated	None	Operate tractor in the higher gears.
2nd and 3rd hours	3/4 of rated	Light	Operate tractor two full gear speeds below normal for load connected to drawbar.
4th through 25th hours	Full	Medium	Operate tractor one full gear speed below normal for load connected to drawbar.

All parts of your new tractor are of matched design for maximum performance as shown under "Specifications".

Any attempt to increase the engine horsepower by increasing engine r.p.m. above its rated maximum, or by other means, not only affects traveling speeds but affects the life of matching parts and voids the company responsibility as outlined in the warranty. Excessive speeds are harmful. Refer to "Engine Speeds" in the "Specifications" on page 66.

LUBRICATION

Check to see that the entire tractor has been properly lubricated. Refer to the "Lubrication Guide" on pages 60 to 63.

Note: These tractors have a dry-type air cleaner. Do not put oil in the air cleaner.

PNEUMATIC TIRES

Before moving the tractor, check the air

pressure in the pneumatic tires and inflate or deflate to the pressures recommended in the tables on page 43.

AIR CLEANING SYSTEM

Inspect the flexible rubber hose connections, the air cleaner and turbocharger. All joints between the air cleaner and turbocharger manifold must be kept tight to prevent dirt from entering the engine.

ENGINE COOLING SYSTEM

Tractors shipped to destinations in the United States and Canada have the cooling system filled with antifreeze solution. Check the coolant level in the radiator. When cold, the coolant level should be 2 inches above the radiator core.

If water is added, use only clean water; soft or rain water is recommended, as it does not contain alkali, which forms scale and eventually clogs the passages.

Never start or operate the engine without water or antifreeze solution in the cooling system.

FUEL SYSTEM

Use filtered diesel fuel free from foreign substances. Do not use dirty fuel.

Consult your International Harvester dealer or fuel supplier for the diesel fuels, which will give the most satisfactory performance in your International engine. See the table showing the limiting requirements for diesel fuels recommended for use in International diesel engines on page 7.

INSTRUMENTS AND CONTROLS

Thoroughly acquaint yourself with all instruments and controls.

DRIVING THE TRACTOR

PREPARING THE TRACTOR FOR EACH DAY'S WORK

Check the level of the coolant in the radiator. See page 25.

Check the oil level in the engine crankcase. Also lubricate the chassis points recommended for daily service. See the "Lubrication Guide" and the "Lubrication Table".

Inspect the tires for general condition. See page 43.

FUEL GAUGE

When the key switch is turned on, the fuel gauge indicates the level of the fuel in the fuel tank.

Note: The key must be left in the "ON" position while the engine is running so the fuel gauge will function.

FILLING THE FUEL TANK

Caution! Never remove the fuel tank cap or fill the fuel tank when the engine is running, is hot, or when near an open flame. Do not smoke when working around inflammable fuel as the air around the tractor is mixed with highly explosive vapor. When pouring fuel, keep the container or hose nozzle in contact with the metal of the fuel tank to avoid the possibility of an electric spark igniting the vapor. Do not spill fuel on a hot engine.

Fill the fuel tank, preferably at the end of each day's work. This will force out any moisture-laden air and prevent condensation.

The filler cap on the fuel tank has an air vent. This vent should be kept open at all times to assure proper flow of the fuel.

Before starting the tractor for each day's work, open the fuel tank water drain cock under the left front side of the fuel tank to drain off water and sediment. Close the drain as soon as clean fuel appears.

ADJUSTING THE DELUXE CUSHION SEAT

The seat provides simultaneous height and longitudinal position adjustment.

Before starting the tractor, adjust the seat to provide the most comfortable position for the operator.

The seat is quickly and easily adjusted by



Illust. 5
Seat adjustment controls.

means of the foot operated lever located at the lower right side of the seat.

Foot Release Lever

The left foot operated release lever provides the means for moving the seat from a preset position, rearward out of the operator's way, to place the seat in the furthest rear position. When the operator sits down the linkage returns to the preset position.

Adjusting the Seat to Suit the Operator's Weight

The seat suspension is adjustable to suit the weight of any operator from 100 to 250 pounds. To adjust the suspension, turn the adjuster handle to provide a soft ride without bottoming.

The back cushion of the seat can be adjusted to three different positions to the front or rear and three different heights by means of the mounting holes in the back of the cushion support. The back rest extension, is also adjustable to three different heights.

Buy Now



Our support email:

ebooklibonline@outlook.com