



International Harvester Operator's Manual

I-9

JENSALES.COM

or Call 800-443-0625



THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF INTERNATIONAL HARVESTER OR IT'S SUCCESSORS. INTERNATIONAL HARVESTER AND IT'S SUCCESSORS ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS, AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

Operator's Manual

INTERNATIONAL HARVESTER

CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW

JENSALES®

OPERATOR'S MANUAL

purchase full manual at

JENSALES.COM

or Call 800-443-0625

I-9

CLICK ANYWHERE FOR MORE DETAILS

CONTENTS

INTRODUCTION 2

DESCRIPTION 3 to 6

Description of Main Components 4

Orientation 4

Specifications 5,6

Tools Shipped with Tractor 6

OPERATION 7 to 21

Instruments and Controls 7 to 9

Before Starting a New Tractor 10

Preparing for Each Day's Work 11

Operating Precautions 11,12

Operating a Gasoline Engine 12 to 14

Operating a Distillate Gasoline Engine 14 to 17

on Distillate 14 to 17

on Gasoline 17

Operating a Kerosene Engine 17

Operating the Tractor 18,19

Operating the Belt Pulley (Special) 19

Operating the Power Take-off (Special) 20

Operating in Cold Weather 20,21

Operating in Hot Weather 21

PREVENTIVE MAINTENANCE 22 to 33

Periodic Inspections 22

Checking Mechanical Problems 23 to 27

Lubrication 28 to 33

Lubrication Guide 30,31

MAINTENANCE 34 to 52

Oil Filter 34

Cooling System (Including Thermostat) 35 to 38

Valve Clearance Adjustment 38

Air Cleaner 39

Carburetor 40,41

Fuel Pump 41

Fuel Strainer 42

Spark Plugs and Cables 42

Magneto 43 to 45

Engine Clutch 46

Clutch Brake 46

Brakes 47

Drawbar and Pintle Hook 48

Front Wheels 48

Pneumatic Tires 49 to 51

Minor Engine Service Operations 51

Storing and Housing the Tractor 51,52

Starting Engines that have been

in Storage 52

SPECIAL ATTACHMENTS 53 to 68

(Includes Hydraulic Brakes and
Electrical Attachments)

INDEX Inside Back Cover

CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW



JENSALES.COM

or Call 800-448-0625

Illust. 3 - Right Front View of 1-9 Industrial wheel Tractor. The Exhaust Muffler, Spark Arrester, Precleaner, Electric Starting and Lighting, Belt Pulley, Heavy Duty Rear Axle and Tires, and Hydraulic Brakes are Special Attachments.

DESCRIPTION

3

CLICK ANYWHERE FOR MORE DETAILS

DESCRIPTION



A-20886

Illust. 4 - Left Front View of I-9 Industrial Wheel Tractor. The Muffler, Spark Arrester, Precleaner, Electric Starting and Lighting, Belt Pulley, Distillate Burning, Heavy Duty Rear Axle and Tires are Special Attachments.

The design of this tractor assures the maximum conversion of engine power into useful work. All shafts in the selective, sliding spur-gear transmission are mounted on ball bearings, and are lengthwise of the tractor for natural, easy shifting of gears. A foot accelerator enables the operator to take full advantage of the five forward speeds.

The heavy-duty, four-pinion type differential, also mounted on ball bearings, is located on the countershafts ahead of the rear axles. It is thus subjected to less than one-fifth the turning load it would have to carry if mounted on the axles. Rear axles are ball-bearing mounted, and a banjo-type final drive housing provides the rugged construction needed for heavy-duty work. The countershaft brakes,

operated by foot pedals, can be used individually or interlocked, and can be latched for parking.

Power is supplied by the four-cylinder gasoline engine. Other engine features include replaceable cylinder sleeves, replaceable precision type bearings, Tocco hardened crankshaft, full pressure lubrication, oil bath type air cleaner, and centrifugal water pump cooling system with by-pass thermostat control. Regular features of the I-9 include provision for mounting allied equipment. A description of available equipment (other than regular) which is applicable to this tractor, and the care and operation of this equipment may be found in the "Special Attachments" section.

ORIENTATION

Throughout this manual the terms "LEFT" and "RIGHT" and "FRONT" and "REAR" must be understood to avoid confusion when following instructions. "LEFT" and "RIGHT" indicate the left and right sides of the tractor

when facing forward from the driver's seat. The "FRONT" of the tractor is the radiator end. The "REAR" of the tractor is the drawbar end.

SPECIFICATIONS

CAPACITIES (U. S. Measure)

Fuel tank	Approx. 36 gals.
Water cooling system	Approx. 40 qts.
Crankcase pan	Approx. 11 qts.
Transmission and differential case	Approx. 40 qts.
Steering gear housing	Approx. 1 qt.
Air cleaner oil cup	Approx. 3-3/4 pts.

ENGINE

Cylinders	4
Bore	4.4 in.
Stroke	5.5 in.
Engine speed (governed) (maximum full load)	1500 r.p.m.
*Power take-off shaft speed	538 r.p.m.
Magneto (fixed spark) (counterclockwise)	IH H-4
Spark plug gap	.023 to .027 in.
Valve clearance (engine hot)	.017 in.
Valve clearance (engine cold)	.019 in.
Carburetor	IH 1-3/8 in. Updraft

CLUTCH AND BELT PULLEY

Single-plate, dry-disc (spring-loaded)	12 in.
*Pulley speed	707 r.p.m.
*Belt speed (with 14-inch pulley)	2593 ft. per min.
*Pulley diameter	14 in.
*Pulley face	8-1/2 in.

*Special - furnished when ordered.

FOOT BRAKES

External, contracting on drums.

TRANSMISSION (Five-speed)

(Based on 13.00 x 32-inch pneumatic tires)

Speed (miles per hour) {	1st	2.2
	2nd	3
	3rd	5.2
	4th	7.2
	5th	15
	Reverse	2.7

WHEELS AND TREAD

Front wheels	7.50 x 18 in.
Rear wheels	13.00 x 32 in.
Tread, front	52 in.
Tread, rear	50-1/2 in.
Wheelbase	83-5/8 in.

(Continued on next page.)

INSTRUMENTS AND CONTROLS



Illust. 6 - Location of Instruments and Controls on 1-9 Tractor.

The operator of this tractor should thoroughly familiarize himself with the instruments and controls provided for operation. There are important differences between various tractors; therefore, regardless of previous experience with other machines, the operator should fully understand what each control is for and how to use it before starting to operate this tractor.

MAGNETO IGNITION SWITCH BUTTON

This switch is used to stop the engine by grounding the magneto. Pull out the button when starting the engine and push in to stop the engine. Always operate a distillate or kerosene engine on gasoline two or three minutes before stopping.

ENGINE SPEED CONTROL LEVER

This lever is used to control the speed of the

engine. When set in a given position it maintains a uniform engine speed under variable loads. Move the lever forward to increase the speed.

ACCELERATOR PEDAL

The accelerator pedal is used when making frequent changes of tractor speeds. Pressing down with the foot increases the speed of the engine. The engine speed control lever should be retarded when the accelerator pedal is to be used.

GEARSHIFT LEVER

This lever is used to select the various gear ratios provided in the transmission. There are five forward speeds and one reverse speed. (See Illust. 10.)