PREVIEW - YOUFIXTHIS.C

International Diesel Tractor 946, 1046, and 1246

Operator's Manual

1090743R3

Reprinted

Download full manual at youfixthis.com

TABLE OF CONTENTS

This Operator's Manual consists of the following major sections:

Introduction and Technical Data.
(from page 6 up)

Contents: Alphabetical index, specifications for engine, fuel injection system, electrical system, capacities, dimensions, travelling speeds, tire sizes and tire pressures, recommended lubricants, serial numbers.

Operating the machine.
(from page 14 up)

Contents: Preparing for each day's work. Description of instruments and controls. Starting and shutting down the engine. Operating techniques. Instructions for travelling, towing, parking. Three point Hitch, Drawbar, Draft- and Position Control, Front Loader.

Maintenance.
(from page 36 up)

Contents: Periodic maintenance schedule. Inspections lubrication guide. Preventive maintenance. Instructions for filter cleaning, filter change, oil change and greasing. Description and minor adjustments of fuel injection system, cooling system, brake system, electrical system, hydraulic system. Recommended precautions for storing and housing the machine, trouble shooting charts and safety rules are also included.

Caution: Maintenance operations as described in this manual can, as a rule, be made by the operator himself. It is, however, strongly recommended to let your dealers servicemen take care of such operations as brake fluid change, repair and adjustments on fuel injection system, brake system, hydraulic system, steering gear, drive shafts, electrical system.

Safety rules are given for your protection, it pays to observe them.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

INDEX

A	Page
Accelerator pedal	18
Accidents, prevention	67
Adjusting belt tension	48
Adjusting wheel brakes	52
Air cleaner	14, 40
Alternator	16, 58
All - wheel drive	23
Anti - freeze	27
B	
Batteries	58
Bleeding the hydraulic brakes	53
Brake adjustment	52
Brake fluid	17, 53
Brake pedals	20
Brakes	52
Bulbs	59
C	
Changing engine oil	39
Changing fuel filters	43
Changing oil in differential and wheel hubs	51
Changing transmission oil	50
Charge control lamp	19
Checking belt tension	48
Checking crankcase oil level	13
Cleaning breather filter	40
Clutch pedal	25
Cold weather precautions	25, 47
Control lamp, engine oil pressure	19
Control levers	20
Control valves	34
Coolant	15, 19
Cooling system	46
Creep speed range	21
D	
Differential lock	22
Directional signal lights	19
Drive belts	48
Draft control	32, 33
Drawbar	30
Dual clutch	55
Dust unloader	41
E	
Electrical equipment	16, 58
Engine breather filter	40
Engine clutch	25, 55
Engine lubricant	13

E	Page
Engine oil filter	40
Engine oil pressure	13
Engine speed control	21
F	
Filling tires	26
Float position	34
Four wheel drive lever	22
Front loader	35
Front wheel bearings	56
Frost precautions	15
Fuel	15
Fuel additive	43
Fuel filters	43
Fuel gauge	19
Fuel injection pipes	44
Fuel injection pump	43
Fuel system	43
Fuel tank	43
Fuses	20, 59
Four wheel drive	23
G	
Gearshift lever	21
General instructions and precautions	9
Glow starter switch	18
Greasing	36
H	
Hazard warning light	19
Head lamps	59
Heat indicator, sender	48
Hitches	30
Hitching plows	34
Hydraulic controls	32
Hydraulic fluid	13
I	
Injection nozzles	45
Instrument cluster	19
Instruments and controls	18
L	
Lights	19
Light switch	19
Liquid weight	26
Lubricants	13
Lubrication guide	37

1 090 743 R3
3.73

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY OR DEATH.

M171B

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.

© 2001 Case Corporation

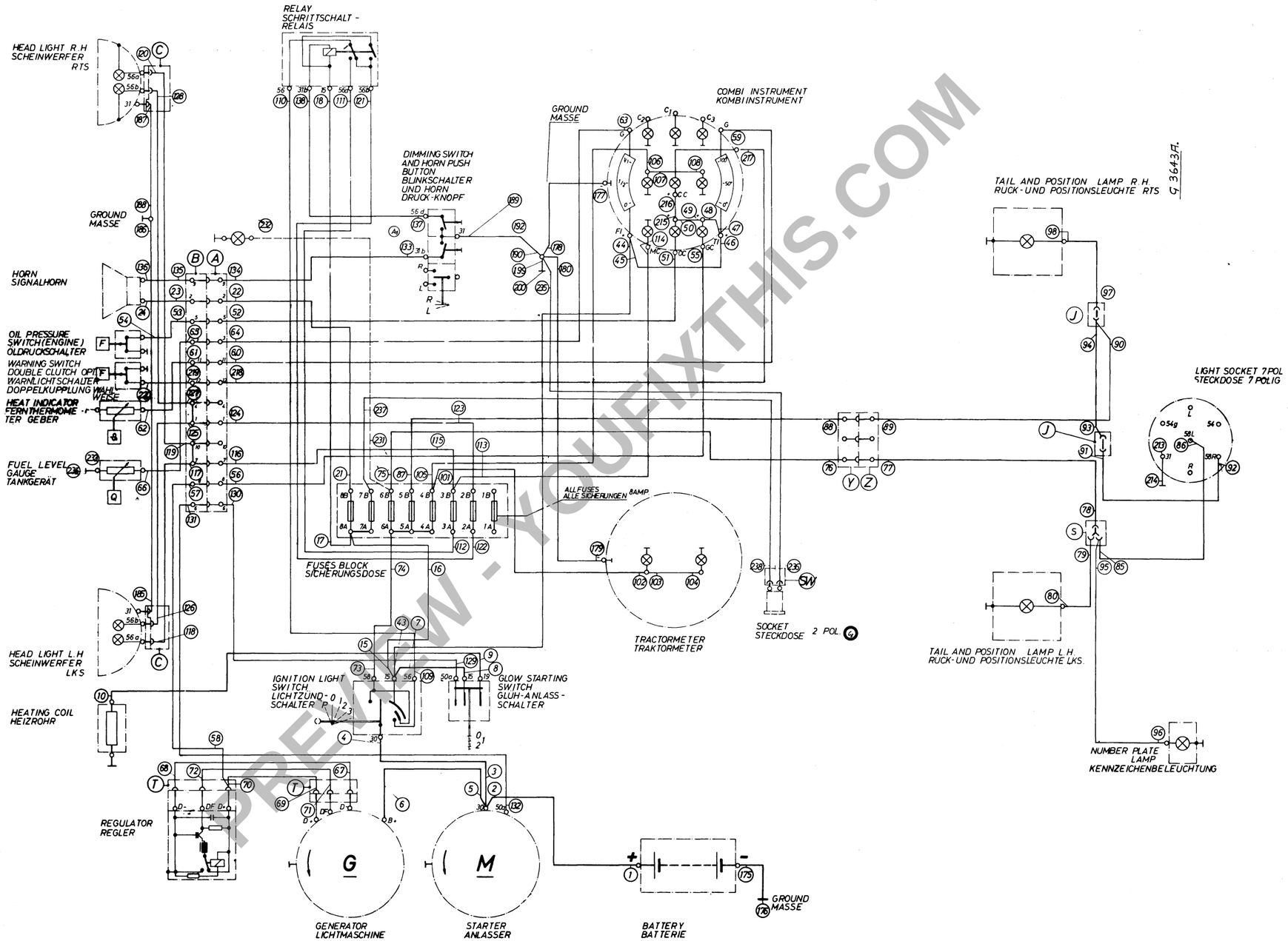
Bur 0-00000
issued November, 1994

CASE and IH are registered trademarks of Case Corporation

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

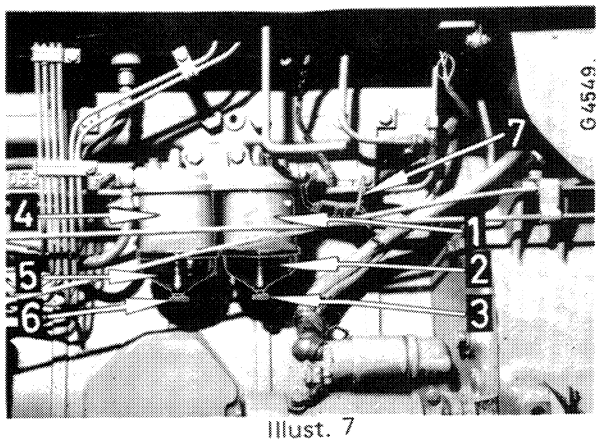
WIRING DIAGRAM for Tractors without Directional Signal Lights



Illust. 84

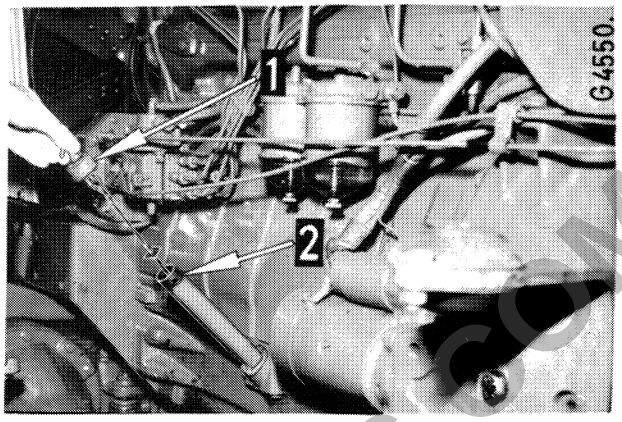
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



Illust. 7
Fuel filter

1 – Primary filter
2 – Transparent bowl, water trap
3 – Drain screw
4 – Final filter
5 – Transparent bowl, water trap
6 – Drain screw
7 – Fuel shut–off valve

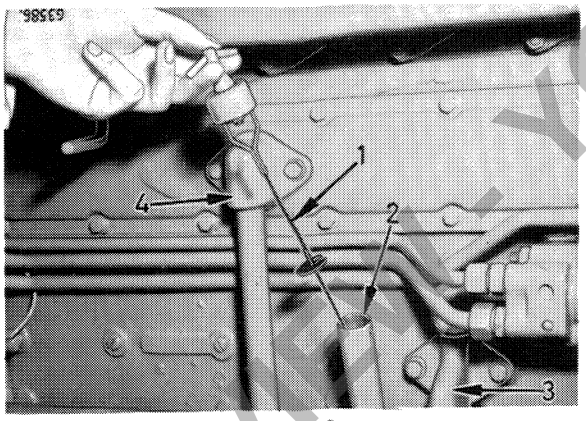


Illust. 9
Checking crankcase oil level "1246"

1 – Oil level gauge
2 – Oil filler tube

add oil through the filler tube (2) Illust. 8 or 9 to bring the level up to the "Max" mark on the gauge. Reinstall the gauge and tighten the stem.

Crankcase Oil



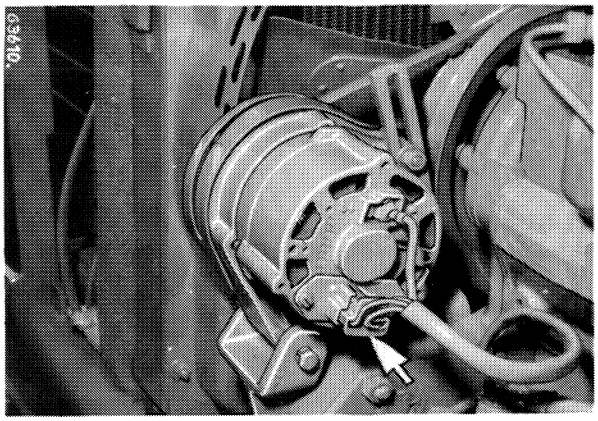
Illust. 8
Checking crankcase oil level "946/1046"

1 – Oil level gauge
2 – Oil filler tube
3 – Oil filter socket
4 – Engine breather filter

When checking oil level be sure the engine is stopped and the machine is standing on level ground.

For an accurate reading wait for the oil to drain into the crankcase pan. Loosen the gauge stem; remove the gauge and wipe it clean. Check the oil level and, of necessary,

Electrical System



Illust. 10
Alternator

Before starting the engine be sure the plug, arrow Illust. 10 is properly seated in its socket. Never pull out this plug when the engine is running or the alternator will be damaged.

For further information refer to "Electrical System".

PREVIEW YOUFIXTHIS.COM

Download full manual at youfixthis.com

INITIAL SERVICE SCHEDULE

Observe the following:

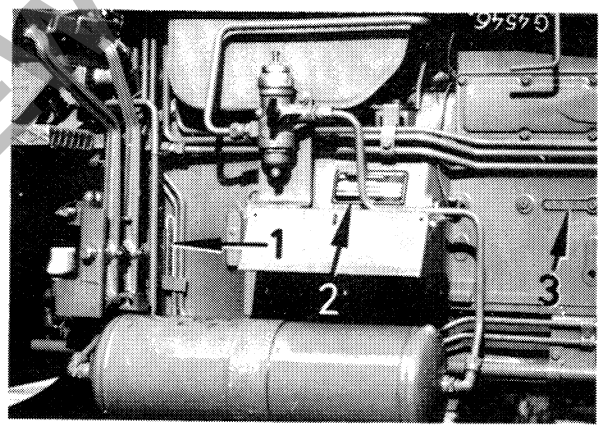
Precautions for operating the alternator outlined in section "Electrical System".

Re-tighten front wheel bolts and rear wheel nuts after the first ***2–5 operating hours.*** Re-check torque load after ***8–10 operating hours.***

Torques:	daNm		ft lbs
Front wheel bolts	15–18	=	110–130
Rear wheel nuts	35	=	250
Front axle clamping bolts	20–22	=	145–160

Serial Numbers

Replacement parts are illustrated in the Parts Catalog for 946 – 1046 – 1246 Diesel Tractors. Record the chassis- and engine serial numbers Illust. 1 for service and parts replacement purposes. For ready reference, write these serial numbers in the spaces provided.



Illust. 1

1 – 2 – Chassis serial number .....
3 – Engine serial number .....

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

If any trouble is experienced, make sure of the cause before attempting to make adjustments. When making adjustments, keep in mind the previous setting in case the adjustment brings no remedey.

Engine Overheats

Coolant supply insufficient. Fan belt slipping. Excessive load. Cooling system or crankcase water passages clogged with dirt or scale. Radiator air passages clogged with chaff or dirt. Injection pump timing incorrect. Thermostat inoperative.

Engine Will Not Start

Preheater coil defective or insufficiently preheated. Injection pump does not function. Fuel tank empty. Faulty timing of injection pump. Injection nozzles inoperative. Fuel supply system air–bound or clogged. Valves warped or sticking. Fuel shut–off valve closed. Engine shut–off control and hand throttle not in starting position. Electrical connections loose.

Uneven Engine Operation

Fuel filter clogged. Air in fuel supply system. Tendency of injection pump plunger to stick. Injection nozzles defective.

Engine Does Not Develop Full Power

Fuel filter clogged, insufficient fuel injection. Valve faulty. Accelerator linkage incorrectly adjusted. Air cleaner clogged. Engine clutch slipping. Insufficient fuel delivery. Insufficient engine temperature, thermostat defective. "1246" Turbocharger faulty. Aneroid defective or leaky. Air charging line leaky.

Loss of Oil Pressure

Engine overheats. Low oil level. Poor quality oil. Dirt in regulating valve. Oil pressure control lamp or switch defective. Oil pump filter screen clogged or oil pump inoperative. Crankshaft, connecting rod or camshaft bearings worn excessively.

Engine Knocks

Insufficient engine temperature. Leaky injection nozzle valve. Faulty injection pump timing. Incorrect valve clearance or valves sticking. Loose piston pin. Loose, worn connecting rod, camshaft or crankshaft bearings. Loose piston, or piston, or piston rings broken.

Lack of Compression

Valves sticking or warped. Improper valve clearance. Piston rings sticking, worn or broken. Piston or sleeve worn excessively. Cylinder head gasket defective.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 8 of 82 pages

The full manual includes:

- All 82 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

International 946, 1046, 1246 Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual