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MANUAL PREVIEW

International Harvester

Operator's Manual
500 Series E

Crawler

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IH-O-500E CRLR

CONTENTS

DESCRIPTION	PAGE NO.
SPECIAL EQUIPMENT	2, 3
INTRODUCTION	4
INSTRUMENTS AND CONTROLS	6, 7
DIESEL ENGINE AND FUEL SYSTEM	9-13
COLD WEATHER PRECAUTIONS	13
WORK SAFELY - FOLLOW THESE RULES	14
DRIVING THE TRACTOR	14-17
OPERATING THE LOADER	18, 19
OPERATING THE BULLGRADER	20, 21
OPERATING THE THREE-POINT HITCH	22, 23
OPERATING REAR EQUIPMENT	24
COOLING SYSTEM	25, 26
AIR CLEANING SYSTEM	27, 28
ELECTRICAL SYSTEM	29-31
BRAKES AND CLUTCHES	32, 33
TRACKS	34, 35
MINOR ENGINE SERVICE OPERATIONS	36
STORING THE TRACTOR	37
FINDING TROUBLE	38-44
LUBRICATION	45-48
LUBRICATION TABLE	49
LUBRICATION GUIDE	50-54
TORQUING DATA	55
PREVENTIVE MAINTENANCE GUIDE	56, 57
EXTRA EQUIPMENT AND ACCESSORIES	57
SPECIFICATIONS	58, 59
INDEX	60, 61

LEVELLING AND CHANGING HYDRAULIC OIL

NOTE: Before checking or changing the hydraulic oil, retract all cylinders with the engine running, then stop the engine. DO NOT lower equipment when the engine is stopped. ALWAYS wipe dirt from the dipstick area to prevent contamination of the oil.

To check the oil level, **LOOSEN THE DIPSTICK** at "J" in Illust. 47A **SLOWLY** to release hydraulic pressure. Wipe oil from the dipstick and insert fully into the reservoir to check the level. Maintain the level at the "FULL" mark.

Add oil through the dipstick opening only. See the "Lubrication Table" for the approved lubricant.

To drain the hydraulic reservoir, remove the mud shield on the underside of the reservoir, then release any pressure by removing the dipstick slowly. On power shift machines the return line is connected to the drain hole in the bottom of the housing so it will be necessary to disconnect the hose from the elbow to drain the housing. On manual steering machines there is a drain plug in the bottom of the housing.

CHANGING THE HYDRAULIC FILTER ELEMENT

1. Remove the hydraulic control valve cover and unscrew the filter at "K" in Illust. 47B.
2. Clean the filter base then screw on the new filter element until the filter gasket touches the base then tighten by hand, one-half to three-quarters of a turn.
3. Start the engine and operate the hydraulic equipment, then check the transmission oil level.
4. Inspect the filter for leakage, then replace the hydraulic control valve cover.

LEVELLING AND CHANGING TRANSMISSION OIL

To check the oil level, remove and wipe oil from the dipstick shown at "L" in Illust. 47C, then replace and remove the dipstick to check the level. Maintain the level at or near the "FULL" mark on the dipstick.

Add oil by removing the breather cap at "M" in Illust. 47C, and adding oil through the opening. See the "Lubrication Table" for the approved lubricant.

Drain the transmission oil by removing the plug on the right front corner of the transmission housing, near the underside of the casting. On tractors equipped with a transmission guard, the plug is accessible by removing the coverplate from the guard.

LUBRICATING THE TRACK ROLLERS AND IDLERS

Track rollers and idlers are equipped with "DF" seals and should normally require no further lubrication. Should the track frames eventually



Illust. 47A

HC 7804



Illust. 47B

HC 7801



Illust. 47C

HC 7816

require disassembly for servicing, consult your International Harvester dealer who is informed on the latest methods and lubrication requirements.

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DESCRIPTION	PAGE	DESCRIPTION	PAGE
Air Cleaner	27	Diesel Engine	46
Air Cleaning System	27	Diesel Engine and Fuel System	9-13
Air Filter Element - Cleaning	27	Driving the Tractor	14-17
Air Filter Element - Removing and Replacing	27	Electrical System	13, 29-31
Air Intake Cap - Cleaning	28	Electrical System (Cold Weather)	13
Air Pre-Cleaner - Cleaning	28	Electrical Wiring	30, 31
Air Restriction Indicator	6	Engine - Finding Trouble:	
Alternator	29	- Engine Clutch Slips	43
Alternator Warning Light	6, 29	- Engine Operates but Tractor Will Not Move	42
Ammeter	6	- Engine Overheats	40
Ammeter - Finding Trouble:		- Engine Stops	40
- Shows No Charge With Engine Operating	41	- Hard to Start	38
- Shows Excessive Charge	42	- Lack of Engine Oil Pressure	41
- Shows Heavy Discharge With Engine Not Operating	42	- Lack of Power	39
- Pointer Fluctuates Rapidly	42	- Operates Irregularly or Knocks	39
Auxiliary Valve	24	- Turns but Will Not Start	38
Battery	29	- Uses Too Much Fuel	41
Brakes and Steering Clutches Adjustment	32, 33	- Uses Too Much Oil	41
Brake Pedal and Lock	7	- Will Not Turn Over	38
Breaking-In a New Tractor	15	Engine Oil Classification Code	46
Bullgrader - Operating	20, 21	Engine Oil Filter - Changing	46
Capacities	59	Engine Oil - Levelling and Changing	46
Clutch Pedal	6	Engine Oil Pressure Gauge	6
Clutch Pedal Adjustment	33	Engine Service Operations (Minor)	36
Clutch - Finding Trouble:		Engine Speed Control Lever	7
- Clutch Slips	43	Engine - Starting	10
- Shifting Gears Difficult	42	Engine - Stopping	11
- Tractor Will Not Move	42	Engine Temperature Gauge	6
Cold Weather Precautions	13	Equipment and Accessories - Extra Equipment - Special	57
Coolers, Hydraulic Fluid and Transmission Fluid	25	Ether Fluid Canister - Changing	11
Cooling System	13, 25, 26	Ether Injection	11
Cooling System (Cold Weather)	13	Ether Injection Switch	6
Coupling the Equipment - Three-Point Hitch	22	Fan Belt Tension	26
Cylinder Head Breather	28	Fan Belt - Replacing	26
Cylinder Head Gasket - Diesel Engine	36	Final Drive Housing Oil - Changing	46
Decelerator Pedal	6	Final Fuel Filter	12
		Finding Trouble	38-44
		Fuel	9
		Fuel Control Handle	6
		Fuel Filters	11
		Fuel System	9, 13

CLICK ANYWHERE FOR MORE DETAILS

DESCRIPTION	PAGE	DESCRIPTION	PAGE
Fuel System (Cold Weather)	13	Loader - Operating	18, 19
Fuel System - Draining Water	13	Lubrication	13, 45-54
Fuse	6	Lubrication (Cold Weather)	13
Gear Shift - Finding Trouble:		Lubrication Guide	50-54
- Gears Slip Out of Mesh	42	Lubrication Table	49
- Shifting Gears Difficult	42	Minor Engine Service Operations	36
Gear Shift Lever	7	Power Take-Off Lever	7
Gear Shift Positions	15, 16, 19	Power Take-Off - Operating	24
Heat - Outside Source (Cold Weather)	13	Preparing For Each Day's Work	15
Hourmeter - Electric	6	Preventive Maintenance Guide	56, 57
Hydraulic Control Lever	23	Primary Fuel Filter	12
Hydraulic Control Valves	8	Radiator and Cap	25
Hydraulic Cylinder Rod	13	Rear Equipment - Operating	24
Hydraulic Fluid Cooler	25	Reverser Control Pedal	6
Hydraulic Oil Filter - Changing	47	Reverser Control Lever and Lock Lever	7
Hydraulic Oil - Levelling and Changing	47	Reverser - Hydraulic - Operating	16, 17
Hydraulic Reservoir	7, 8	Reverser - Hydraulic - Finding Trouble:	
Hydraulic System	7, 8	- Reverser Shift Too Slow or Too Fast	42
Hydraulic System - Finding Trouble:		- Reverser Slips	43
- Equipment Operates Slowly or Lacks Power	44	390 Ripper - Operating	24
- Leaky Cylinders	44	Safety Precautions (Tractor)	11, 14
- Load Drops or Settles	44	Safety Precautions (Loader)	18
- Loader Chatters When Raising	44	Seat Adjustment	15
Hydraulic Valve Control Lever Positions:		Serial Numbers	Inside Front Cover
- Auxiliary Valve	24	Special Equipment	2, 3
- Bullgrader	20	Specifications, Capacities, Speed	58, 59
- Loader	19	Speed Control Lever	7
- 390 Ripper	24	Starting the Engine	10, 15
- Three-Point Hitch	23	Starting the Tractor	15, 16
Instrument Lamp	6	Steering Clutch Adjustment	32, 33
Instruments and Controls	5-7	Steering Clutch Shaft Lubrication	45
Introduction	4	Steering - Finding Trouble:	
Key Ignition Switch	6	- Steering Clutches Slip	43
Lighting System	29	- Tractor Will Not Make Pivot Turn	43
Light Switch	6	- Tractor Will Not Turn	43
Loader - Changing the Bucket or Grapple	19		
Loader Equipment	18, 19		

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INDEX

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DESCRIPTION	PAGE	DESCRIPTION	PAGE
Steering Levers	6	Tracks - Finding Trouble:	
Steering the Tractor	16	- Rollers or Idlers Will Not Turn	43
Stopping the Engine	11	- Track Chain Comes off	44
Stopping the Tractor	17	- Track Chain Loosens	43
Storing the Tractor - Preparation, Removal	37	Transmission Breather	28
Tachometer - Hourmeter	6	Transmission Oil Cooler	25
Three-Point Hitch - Operating, Adjusting..	22, 23	Transmission Oil Filters - Changing	48
Torquing Data	55	Transmission Oil - Levelling and Changing	47
Towing the Tractor	17	Transmission Oil Temperature Gauge ...	6
Tracks	13, 34, 35	Transmission - Finding Trouble:	
Tracks (Cold Weather)	13	- Gears Slip Out of Mesh	42
Tracks - Chain Tension and Adjustment ..	34	- Overheating	43
Tracks - Chain Tension Relief	34	- Shifting Gears Difficult	42
Tracks - Lubricating Rollers and Idlers ..	47	Valve Clearance	36
Tracks - Removing and Installing Chain...	35	Venting Procedure	9
		Venting the Fuel System	9
		Wet Weather Operation	15

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