



International Harvester

Operator's Manual

634

Operator's Manual



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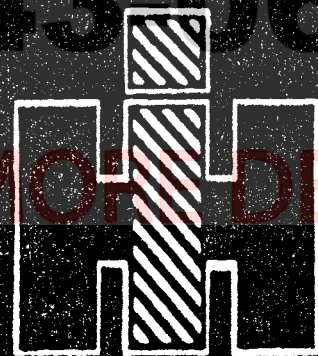
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OPERATOR'S MANUAL

MANUAL PREVIEW
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TRACTORS

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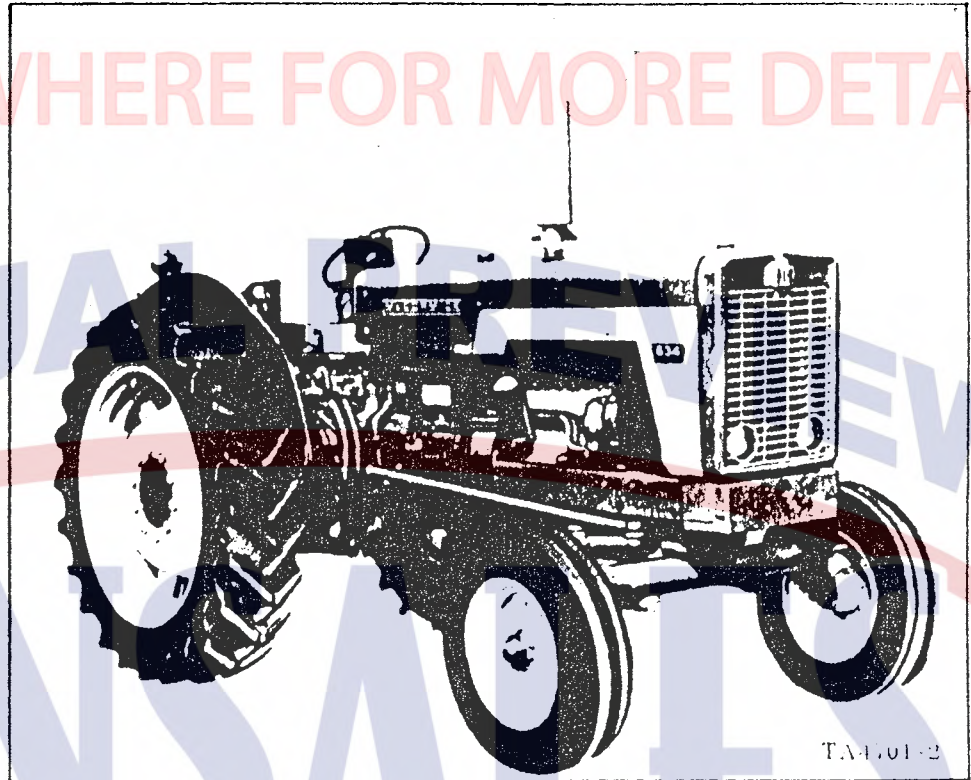
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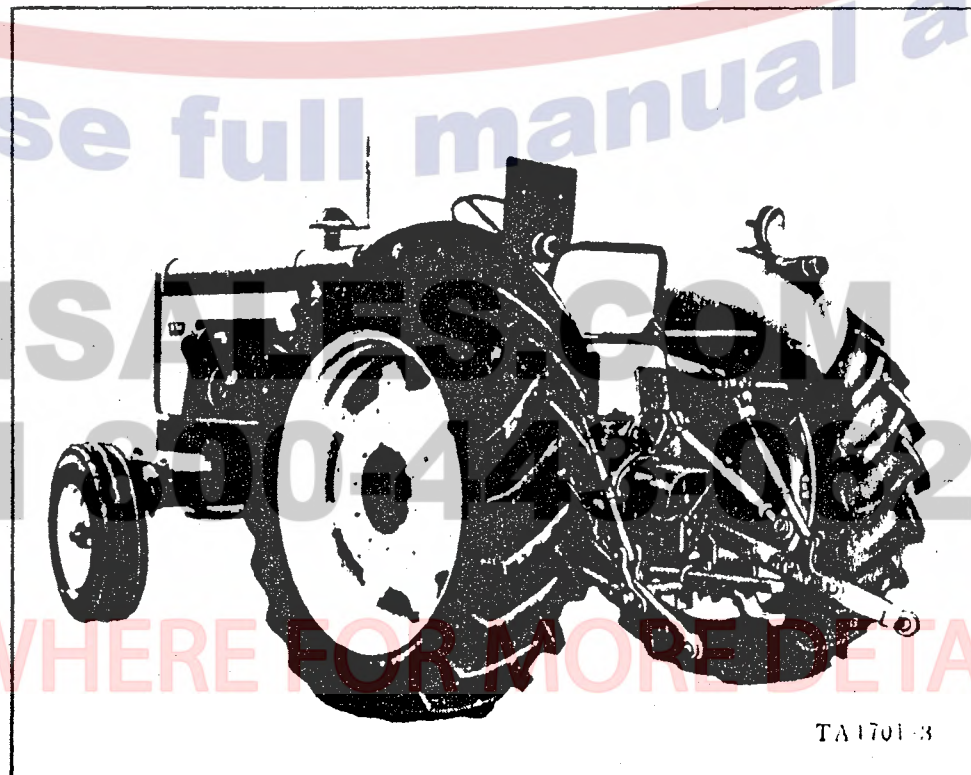
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DESCRIPTION



Illust.1 Front Right View of 634 Tractor



Illust.2 Rear Left View of 634 Tractor

SPECIFICATIONS

ENGINE

Model	I.H. BD-281
Number of cylinders	4
Bore cm (in)	10.80 (4.25)
Stroke cm (in)	13.34 (5.25)
Displacement cm ³ (in ³)	4604 (281)
Valve clearance (HOT) cm (in)	0.56 (0.022)
Firing order	1 - 3 - 4 - 2
Low idle rev/min	800
High idle rev/min	1760 $\pm$ 20
Rated governed rev/min	1600 $\pm$ 10

TRANSMISSION

Number of gears	8 Forward, 2 Reverse
Clutch size cm (in)	33.02 (13) ASG

TRAVEL SPEEDS (at rated governed engine speed)

RANGE	REAR TYRE SIZES									
	11 x 38		12 x 38		14 x 30		15 x 30		14 x 34	
	km/h	mile/h	km/h	mile/h	km/h	mile/h	km/h	mile/h	km/h	mile/h
Low 1	2.74	1.70	2.84	1.77	2.66	1.66	2.74	1.70	2.78	1.73
Low 2	3.70	2.30	3.83	2.38	3.58	2.23	3.67	2.28	3.73	2.32
Low 3	4.52	2.81	4.67	2.91	4.39	2.73	4.50	2.80	4.58	2.85
High.1	5.34	3.32	5.49	3.41	5.15	3.20	5.28	3.28	5.37	3.34
High 2	7.16	4.45	7.36	4.58	6.90	4.29	7.08	4.40	7.21	4.48
High 3	8.79	5.46	9.02	5.61	8.45	5.26	8.68	5.40	8.84	5.50
Low 4	12.90	8.02	13.29	8.25	12.42	7.73	12.77	7.94	13.00	8.07
High 4	24.82	15.46	25.59	15.90	23.98	14.90	24.61	15.30	25.21	15.68
Low reverse	3.24	2.10	3.49	2.17	3.27	2.03	3.35	2.08	3.39	2.11
High reverse	6.51	4.05	6.71	4.17	6.31	3.92	6.43	4.00	6.56	4.08

POWER TAKE-OFF SPEEDS

At rated governed engine speed	rev/min	590
At 1475 engine speed	rev/min	545

HYDRAULIC SYSTEM

Working pressure	kg/cm ² (lb/in ²)	175.77 (2500)
Nominal lift force at lower links	kg (lb)	2268 (5000)
Maximum safe load on automatic hitch hook	kg (lb)	1524 (3360)
Power steering system pressure	kg/cm ² (lb/in ²)	105.46 (1500)

COOLING SYSTEM

CAP/PRESSURE	kg/cm ² (lb/in ²)	0.4921 (7)
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INSTRUMENTS AND CONTROLS

DRAFT CONTROL LEVER (11 Illustr.5)

This lever governs the working depth of the implement. The lever is moved rearward to shallow and forward to deepen.

RESPONSE CONTROL (14 Illustr.5)

This control regulates the delivery from the hydraulic pump to the hydraulic system. Push in the knob and turn anti-clockwise for slow delivery rate.

ISOLATING VALVE (15 Illustr.5)

This valve is used to isolate the three point linkage. By closing the valve the linkage is hydraulically locked and provides a safety device against inadvertent movement of the position control lever. Turn the knob clockwise to close.

NOTE: The valve must always be fully closed or fully open.

DROP RETARDING VALVE (16 Illustr.5)

This valve is used to regulate the speed of drop of equipment being lowered. Screw out the knob to slow the speed of drop.

LIGHT SWITCH (24 Illustr.5)

This is a four position light switch. First position operates the side, tail and panel lights, second position operates the side, tail, panel and dipped main beam, third position operates side, tail, panel and full main beam and fourth position operates full main beam only.

RADIATOR CURTAIN (Attachment)

Fully pull out the radiator curtain control and lower into the locking groove to lock the curtain in the fully closed position.

In freezing conditions always fully close the curtain before starting the engine, then regulate as required to keep the needle of the heat indicator in the 'RUN' range.

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