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MANUAL PREVIEW

J.I. Case
Operator's Manual

485

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Operator's Manual

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CA-O-485

TO THE OWNER OF A CASE INTERNATIONAL TRACTOR

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Use this manual as your guide. If you follow the instructions given in this manual, your Case Tractor will work well for many years.

Your Authorized Case Dealer can give you assistance with J I Case Company made parts and persons with special training that know the best methods of repair and maintenance for your tractor.

Call your Authorized Case Dealer if you need any assistance or information.

MANUAL PREVIEW

Your Authorized Case Dealer

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485 Utility Tractor

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NOTE: When you are in the tractor seat looking forward, the right hand and left hand of the tractor are the same as your right hand and left hand.

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MANUAL PREVIEW

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485XL Tractor

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485L Tractor

SPECIFICATIONS

Diesel Engine

General

Type	Three Cylinder, Four Stroke Cycle, Valve in Cylinder Head
Firing Order	1-3-2
Bore	3-7/8 inches (98.0 mm)
Stroke	5-1/16 inches (128.5 mm)
Piston Displacement	179 Cubic Inches (2 933 cm ³)
Compression Ratio	16 to 1
Cylinder Sleeves	Wet Type, Removeable
Governor Engine Speed Without Load	2420 to 2480 RPM
Rated Engine Speed	2200 RPM
Engine Idle Speed	700 to 800 RPM
Rocker Arm to Valve Clearance (Engine Hot)	
Intake and Exhaust	0.012 inch (0.300mm)

IMPORTANT: *Rocker Arm to Valve clearance adjustments must be made when the engine is stopped.*

Pistons and Rods

Rings Per Piston	3
Compression Rings Per Piston	2
Oil Rings Per Piston	1
Type Piston Pin	Full Float
Type Bearings	Replacement Bearings Available, Steel Back with Copper and Lead Liners.

Main Bearings

Quantity of Bearings	4
Type of Bearings	Replacement Bearings Available, Steel Back with Copper and Lead Liners.

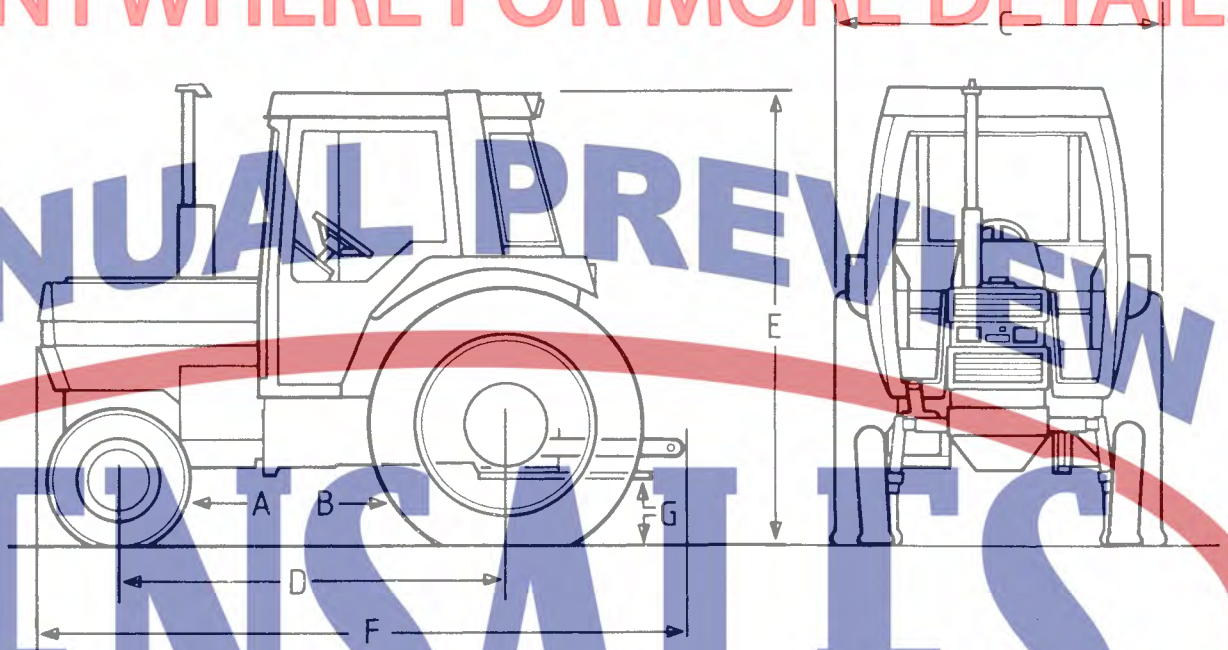
Engine Lubrication System

Oil Pressure	40 to 60 PSI (275 to 414 kPa) (2.75 to 4.14 bar) with Engine Warm and Operating at Rated Speed.
Type System	Pressure and Spray
Oil Pump	Gear Type
Oil Filter	Full Flow, Turn on Type, Bypass
Oil Capacity	With Filter 8.0 U.S. Quarts (7.5 litres)
Oil Capacity	Without Filter 7.4 U.S. Quarts (7.0 litres)

SPECIFICATIONS

Approximate Overall Measurements (485XL Tractor)

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	TIRE	WHEEL
A	600 - 16	W4. 50-F-16

	TIRE	WHEEL [®]
B	12.4 - 32	W10-32

C	1 778 mm (70 in)
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D	2 022 mm (79.6 in)
---	-----------------------

E	2 518 mm (99.1 in)
---	-----------------------

F	3 406 mm (134.1 in)
---	------------------------

G	218 mm (8.6 in)
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Turning radius (with brakes)	6 172 mm (243 in)
Turning radius (without brakes)	6 756 mm (266 in)

Approximate Weights

Front	971 kg (2,136 lb)
Rear	1 584 kg (3,485 lb)
Total	2 555 kg (5,621 lb)

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LUBRICATION

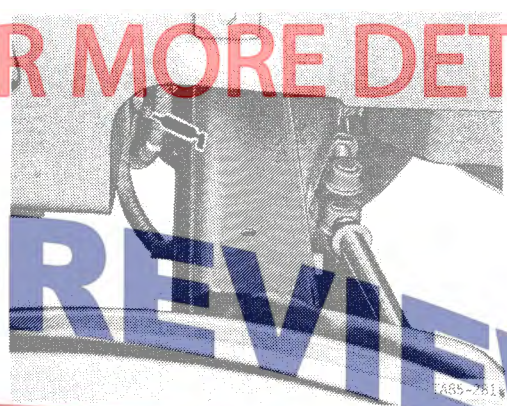
Grease Points

Lubrication intervalEvery 10 hours

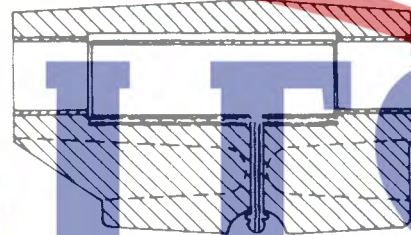
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Steering arm pivot and knuckles



Axle pivot front



Axle pivot (Rigid cast iron axle)

NOTE: On tractors with a rigid cast iron axle, the pivot is lubricated through a single grease nipple located centrally on the underside of the axle as shown.



Steering cylinder pivot and clevis



Axle pivot rear



Three point linkage levelling box and levelling screws.

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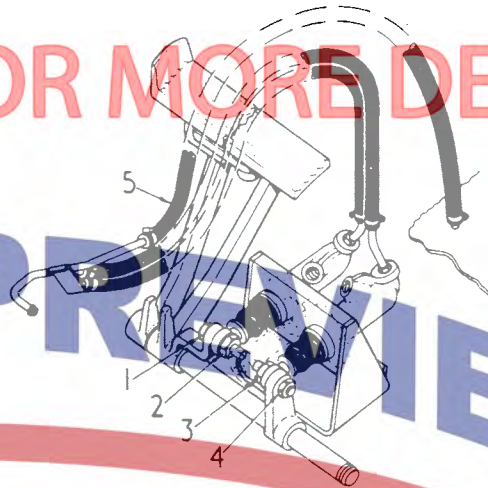
MAINTENANCE

Brakes

Brake Pedal Height Adjustment (485 and 485 Utility Tractors)

Remove the right rear side panel. Disengage the pedal latch, loosen the left pedal adjuster lock nut and turn the eccentric pivot bolt to bring the left pedal 8-1/4 in. (210 mm.) from the footplate. Tighten the lock nut.

Loosen the right pedal adjuster lock nut. Turn the eccentric pivot bolt until the right pedal is the same height as the left pedal then check that the brake latch will easily engage. If necessary adjust the right pedal pivot bolt. Tighten the lock nut when the adjustment is correct.



1. Left pedal adjuster lock nut
2. Left pedal eccentric pivot bolt
3. Right pedal eccentric pivot bolt
4. Right pedal adjuster lock nut
5. Dump hose

Removing Air From The Brakes

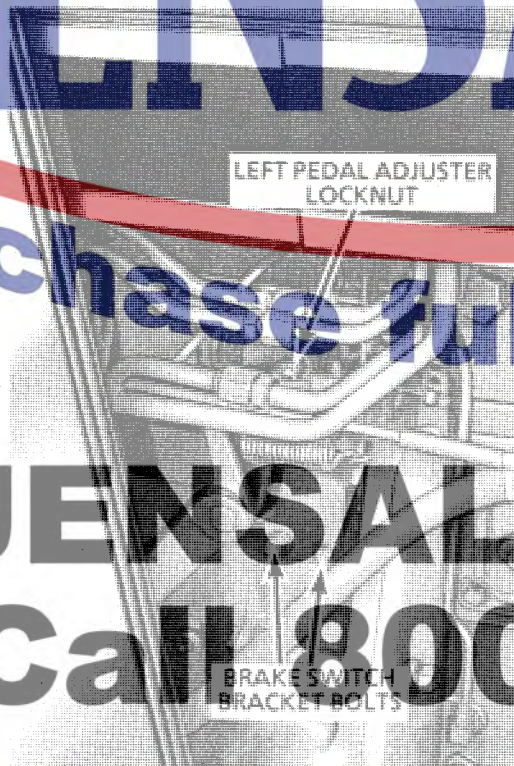
General

This is not a routine operation and will only be necessary after some part of the system has been disturbed allowing air to enter.

NOTE: Air bleed screws should be tightened to 40 to 50 lb in. (4.5 to 5.6 Nm.).

Through the hood sheet access panel clamp the dump hose to prevent oil returning to the transmission.

Connect a transparent hose to both airscrews with the free ends in the transmission filler plug hole.



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