IIS.COM

956 / 956XL
1056 / 1056XL
OPS MAN

Operator's Manual

9-12062

CASE

TABLE OF CONTENTS

TO THE OWNER OF A CASE INTERNATIONAL TRACTOR . I
SERIAL NUMBERS II
TABLE OF CONTENTS ... III-IV
INTENDED USE ..... V-VIII
SAFETY ..... IX-XVI
Safety Rules IX
Before Starting ..... IX-X
Operation ..... X-XIV
Service ..... XIV-XVI
ENGINE SPECIFICATIONS .. 1-4
956/956XL 1, 2
1056/1056XL 3, 4
GENERAL SPECIFICATIONS 5-9
TRAVEL SPEEDS 10
APPROXIMATE DIMENSIONS 11, 12
TIRE AND WHEEL SPECIFICATIONS 13-19
INSTRUMENTS AND CONTROLS 20-38
Instrument Cluster 22-24
Operating Controls 25-38
OPERATING INSTRUCTIONS 39-91
Towing the Tractor 39
Run In Procedure 40
Before Starting the Engine . 40
Normal Starting Procedure 41, 42
Stopping the Engine 43
Cold Temperature Operation 44, 45
Cold Temperature Starting 46, 47
OPERATING THE TRACTOR 48-91
Before Operation 48
Clutch Pedal 48
Tow Starting the Tractor .. 48
Parking the Tractor 48
Differential Lock Pedal 49
Power Take Off 50-54
Drawbars 55-57
Three Point Linkage Hitch 58-60
Operating the Fast Hitch .. 61
Rear Trailer Hitch 62
Automatic Trailer Hitch 63
Remote Hitch Control 64
Lemoine Hitch 65, 66
THREE POINT LINKAGE CONTROLS 67-75
Sens-O-Draulic Controls, Current XL Tractors ... 67-71
Draft and Position Control, Early XL and Non XL Tractors 72-75
Hitching the Plough 76, 77
Auxiliary Control Valves . 78, 79
Quick Couplings 80, 81
Front Loader 82
LOADS MATCHED TO TRACTOR 83
TRACTOR BALLAST 84-87
Tractor Weight Distribution . 84
Measuring Wheel Slip .. 85, 86
Liquid Ballast 87
Adjusting Front Wheel Tread Width (2 Wheel Drive) . 88, 89
Mechanical Front Drive (M.F.D.) Axles 90
Adjusting Rear Wheel Tread Widths 91
LUBRICATION AND PREVENTIVE MAINTENANCE 82-169
Hourmeter 93
SERVICE CHART 94
SERVICE TABLE 95
LUBRICANT SPECIFICATIONS 96
HOOD, RADIATOR GRILLE AND SIDE PANELS 97-99
ENGINE LUBRICATION 100-102
Service Specifications 100
Engine Oil Level 100
Engine Oil Change 101
Engine Oil Filter 102
Engine Breather Filter 102
TRANSMISSION SYSTEM LUBRICATION 103-106
Service Specifications 103
Transmission System Oil Level 103
Transmission System Oil Filter Change 104, 105
Transmission System Oil Change 106

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PTO Operation

27. Always shut off engine before connecting or disconnecting drive shaft.

28. When operating the PTO, no-one must be allowed to remain in the vicinity of the rotating PTO stub shaft or drive shaft.

29. Guards for drive shaft and PTO stub shaft must be fitted.

30. High-inertia implements do not become stationary immediately when PTO is disengaged. Allow sufficient time for implement to "coast down" to a halt before cleaning or adjusting.

31. As soon as drive shaft has been removed, reinstall guard over PTO stub shaft.

Service

32. Escaping fluid (fuel or hydraulic oil) under high pressure can penetrate the skin and cause serious injury. If any fluid is injected into the skin, consult a doctor immediately as other-wise serious infections may result.

33. Dispose of oil, fuel and filters correctly.

34. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job safely.

35. Retighten wheel nuts after x hours.

36. Always disconnect battery ground strap(s) before carrying out any electrical repairs on the machine.

Basic Rule:

Always check the operating and road safety of the tractor (machine) before starting.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

WARNING: *Incorrect positioning of adjustable length drawbar can cause implement driveline separation or bottoming. See tractor and implement Operators Manuals for dimensions from end of tractor PTO shaft to hitch pin hole in drawbar. Driveline separation or bottoming can cause machine damage or personal injury.*

WARNING: *Do not remove, install or make repairs to a tractor tire on a rim. Take the tire and rim to a tire shop where persons with special training and special safety tools are available. If the tire is not in correct position on the rim, or if too full of air, the tire bead can loosen on one side and cause air to leak at high speed and with large force. Because the air leak can thrust the tire in any direction, and with much force, you will be in danger of injury.*

WARNING: *A tire can explode during inflation and cause serious injury or death. Never increase air pressure above 2.4 bars (35 psi) to seat a bead on a rim. Replace a tire if it has any defect. Replace a rim that has cracks, wear or severe rust. Make sure all air is removed from a tire before removing the tire from the rim. Double check or make sure that the tire is correctly seated before inflating. Never use force on an inflated or partially inflated tire.*

WARNING: *Hot coolant can spray under pressure. Close valves before removing coolant conditioner filter.*

CAUTION: *Never attempt to service the air conditioning system unless you are completely familiar with air conditioning and the safety precautions which must be followed when handling liquid refrigerant. Liquid refrigerant can cause severe and painful frostbite. Contact your Dealer who is experienced in servicing and handling of refrigerants.*

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Brake System

Footbrake Type . . . . . Hydraulically Operated, Self Adjusting (Wet) Discs Within The Rear Axle
System Capacity . . . . . 0.5 Litres (0.88 U.K. Pints)
Hydraulic Brake Booster . . . . . Powered by the Three Point Hitch System
Automatic Four Wheel Brake . . . . . M.F.D., 40 km/h Versions
Parking BrakeType . . . . . Lever Operated, External Contracting Band Acting on Differential

Pneumatic Trailer Brake (Optional)
Maximum Operating Pressure . . . . . 6.2 to 7.4 bar (0.62 to 0.74 MPa) (90 to107 PSI)

Hydraulic Trailer Brake (Optional)
Maximum Operating Pressure . . . . . 130 to 150 bar (1885 to 2175 PSI)

Engine Clutch

Type . . . . . Dual Plate, Dry Disc, Spring Loaded
Disc Diameter . . . . . 310 mm (12.2 Inch)

Transmission

Gear Shift . . . . . Fully Synchronized
Range Shift
956 and 1056 Tractors . . . . . Non Synchronised
956XL and 1056XL Tractors
Serial Numbers up to 956XL 002500 and 1056XL 001800 . . . . . Non Synchronised
Serial Numbers 956XL 002501 and 1056XL 001801 Upward . . . . . Optionally Synchronised
Gear Selection (Standard) . . . . . Eight Forward Speeds And Four Reverse Speeds
Shift Control . . . . . Actuated By Gear and Range Levers
956XL and 1056XL Tractors . . . . . Both Levers On Cab Console, Right Side

956 and 1056 Tractors
Gear Shift Lever . . . . . To Right Front of Operators Seat
Range Shift Lever . . . . . To Left Front of Operators Seat
Speed Reducer (Optional) . . . . . Sixteen Forward Speeds And Eight Reverse Speeds
Synchronized Version . . . . . Approximately 20% Reduction in Each Gear
Non Synchronized Version . . . . . Approximately 70% Reduction in Each Gear

Speed Amplifier (Optional, 956XL and 1056XL Tractors Only)
Overdrive Range . . . . . Provides 40 km/h (25 mph) Maximum Speed
Shift Control . . . . . Actuated By Lever On Cab Console, Right Side

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

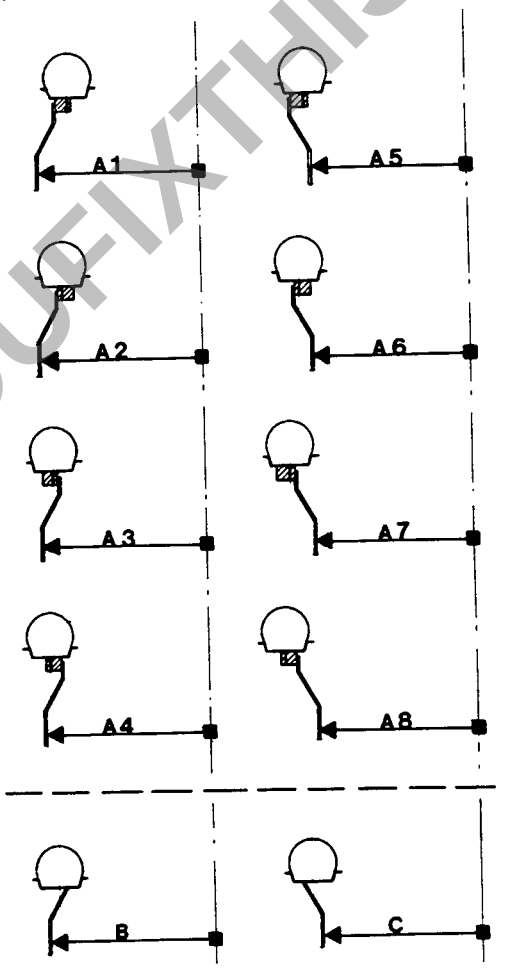
Front Wheels, 2 Wheel Drive

Wheel Tread Widths, Heavy Duty Axle (With Vertical Adjusting Ledge)

Front wheel treads can be adjusted from approximately 1700 mm (67 inch) to 2100 mm (82.6 inch) in increments of 100 mm (4 inch).

Rear Wheel Tread Positions

Tread Widths mm (Inch)	
Illustration Reference	Tread Widths
A1	-
A2	-
A3	1704 (67)
A4	1804 (71)
A5	1900 (75)
A6	2000 (79)
A7	2104 (83)
A8	2204 (87)
B, Not For 13.6 - 38 23.1 - 30 23.1 - 34 Tires	1800 (71)
C	1904 (75)



NOTE. *To change tread settings References B and C, exchange the wheels left to right and right to left observing the restrictions for the tire sizes shown.*

PREVIEW - YOUFIXTHIS.COM

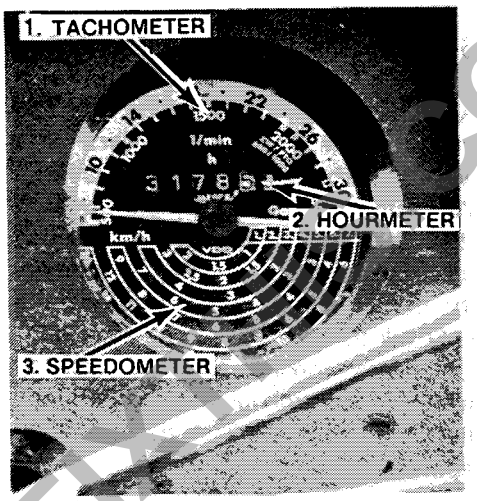
Download full manual at youfixthis.com

Air Pressure Gauge (If So Equipped)



This gauge is installed on tractors equipped with pneumatic trailer brake systems. When attaching trailers with pneumatic trailer braking, the pressure gauge must record the minimum operating pressure of 6.0 bar (90 PSI) before moving the tractor.

Tractormeter



The tractormeter is a combined instrument having the hourmeter, engine speed indicator (tachometer) and road speed indicator (speedometer) in one unit. The hourmeter shows the number of hours of operation of the engine and is useful for calculating and recording service periods of the tractor.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Run In Procedure

Period	Governor Control Lever Position	Load
First 10 to 15 minutes	Half Maximum	None
First Hour	Maximum	Maintain Engine Speed 100 RPM Above Full Load Governed Speed
Second Through Fifth Hours	Maximum	Full Load Governed Speed With Occasional Short Periods of Lighter Load

Before Starting The Engine

Before starting the tractor for the first time, and then before each operating period, make the following checks

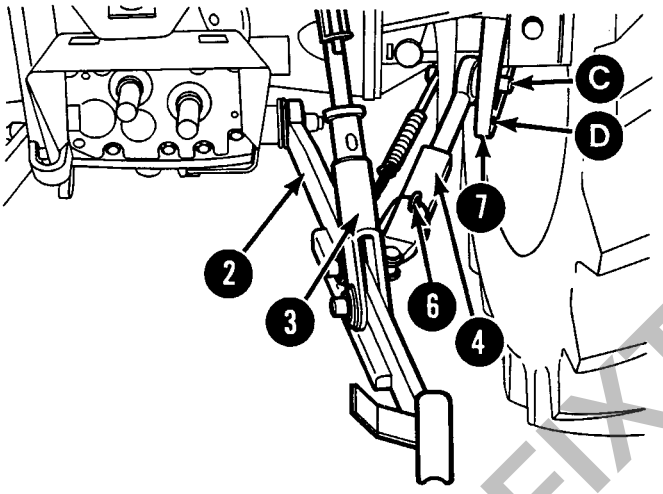
1. Make sure that all persons who operate and maintain the tractor understand that clean fuel is essential.
2. Check all lubrication fittings for grease as stated in the lubrication instructions.
3. Check the oil level in the engine crankcase, transmission system, hydraulic system and brake system.
4. Check the electrolyte level in the battery.
5. Check that the fuel tank is filled with diesel fuel as specified in this manual.
6. Check the cooling system, fuel system and engine oil pan for leaks.
7. Check that the alternator, fan, air conditioning compressor and air brake system compressor belts are correctly tensioned.
8. Drain the water traps at the base of the fuel filters.
9. Check the air pressure in the tyres.
10. Make sure that the PTO guard is correctly fitted.
11. Check the coolant level. Top up if necessary with the correct solution of anti-freeze.

WARNING: ***Before starting engine study Operators Manual safety messages.***
Read all safety signs on machine.
Clear the area of other persons.
Learn and practice safe use of controls before operating.
It is your responsibility to understand and follow manufacturers instructions on machine operation, service, and to observe pertinent laws and regulations.
Operator and Service Manuals may be obtained from your equipment dealer.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Working Adjustment of Three Point Linkage



2. Lower Links
3. Lifting Rods
4. Stabilizers
6. Locking Pins
7. Side Brackets
C. Upper Holes
D. Lower Holes

When working with implements connected to the draft and position control adjust the three-point linkage as follows:

Adjust the length of the lifting rods to dimension (A) of 670 mm (26 inch).

Two attaching holes (C and D) are provided in the side brackets to permit lateral control of the lower links. Certain implements operating above the ground, such as mounted mowers require lateral control over the whole lifting range while a certain amount of "lateral swing" is necessary for ploughing etc.

When hitching ploughs attach both stabilizers to the upper holes (C). This will ensure the required swing in the operating position and will lock out side movement in the transport position. For implements operating without ground control, attach the stabilizers to the lower holes (D) for maximum lateral swing control over the whole lifting range.

NOTE: *Make sure that the locking pins (6) are always installed. Remove the pins only for hitching or uncoupling of implements.*

With a plough mounted to the three-point linkage adjust the upper link so that the front and rear plough bottoms are operating at the same depth.

This adjustment is maintained even though ploughing depth may be varied. Only in extreme cases, i.e. when changing to skim ploughing etc. will a slight readjustment possibly be necessary.

With the three point linkage under load, screw the lock nut tight against the upper link turnbuckle to secure the length adjustment.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

ENGINE HOOD, RADIATOR GRILLE AND SIDE PANELS

Raising the Hood



Remove the exhaust muffler.

Pull the lock lever rearward.

Tilt the hood forward as shown.

When closing the hood, keep fingers well clear. Move the lock lever forward to lock the hood.

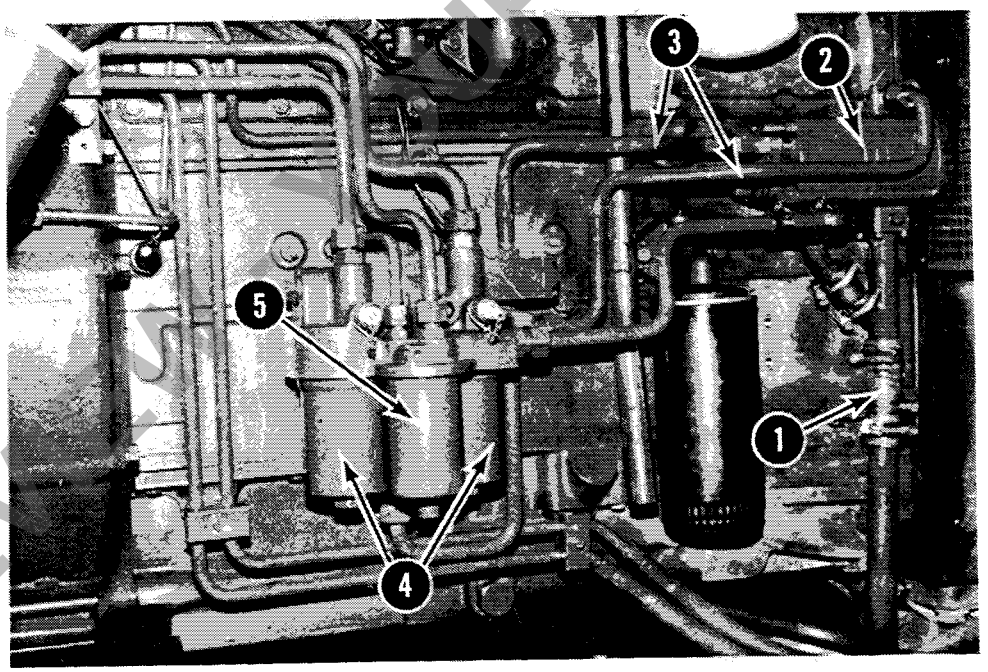
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Engine Oil Change

Change the oil while the engine is hot after a long period of operation.

1. Move the tractor onto level ground and stop the engine.
2. Remove the drain plug and drain all the oil into a suitable container.
3. Remove the dipstick to assist draining.
4. Install a new seal ring to the drain plug. Clean and install the drain plug.
5. Fill with oil of the correct grade to the upper (MAX) mark on the dipstick.
6. Start and run the engine for about 5 minutes at approximately 1000 RPM and check for oil leaks.
7. Stop the engine and wait a few minutes for oil to drain back into the oil pan.
8. Check the level and add oil if necessary to bring the level up to the upper (MAX) mark on the dipstick.
9. Avoid full load operation for the first 10 minutes.



1. Oil Drain Plug
2. Oil Filter
3. Oil Filter Socket
4. Oil Pressure Switch
5. Engine Breather Filter

PREVIEW ONLY YOUFIXTHIS.COM
Download full manual at youfixthis.com

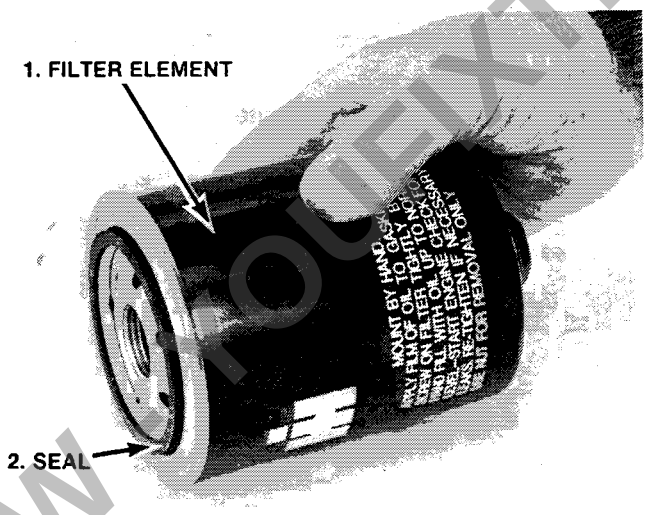
Engine Oil Filter

Change the filter at the same time as the oil is changed.

1. As the oil is draining, turn the oil filter counterclockwise to remove it. Use a strap wrench if necessary.

2. Use clean oil to oil the filter seal, then screw on the filter HAND TIGHT ONLY.

NOTE: *Do not use tools to tighten the filter. If the filter is too tight, damage will be caused to the filter and seal.*



Engine Breather Filter

1. Remove the breather pipe and take out the element.

2. Clean the filter with clean diesel fuel. Use clean, dry compressed air to dry the filter.

3. Insert the filter. Install a new gasket and install the breather pipe.

PREVIEW YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 12 of 182 pages

The full manual includes:

- All 182 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Case IH 956, 956XL, 1056, 1056XL Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual