Tractors
110-90
110-90 DT

OPERATOR'S MANUAL

06910280
Reprinted

NEW HOLLAND

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Contents

	Page
Service	4
Paneling maintenance	6
Identification data	7
Safety precautions	8
CONTROLS AND INSTRUMENTS	15
Instrument panel	17
Control board	19
OPERATION	20
Starting and stopping	21
Transmission and splitter	23
Power take-off	24
Hydraulic lift	29
Guide to lift operation	31
Hydraulic lift implement attachment	33
Lower link positions	34
Implement attachment with check blocks	34
Quick-connect implement attachment	35
Remote control valves	36
Track adjustment	38
Spiral adjustment wheels	40
Ballasting	42
Towing attachments	45
Seat adjustment	48
Steering wheel adjustment	48
MAINTENANCE	49
Maintenance schedule	49
Fuel system bleeding	52
Brake system bleeding	54
Cooling system	55
Electrical system	56
— Battery	56
— Charging system	56
— Fuses	57
— Headlamp alignment	58
— Wiring diagram (Inside back cover)	
SPECIFICATIONS	59
Optional variants and accessories	65
110-90 DT TRACTOR	66
Specifications	66
Front-wheel drive operation	68
Front track adjustment	69
20-SPEED VERSION	70
NO-SPIN VERSION	71
HEATED AND VENTILATED COMFORT CAB VERSION	74
HEATED AND VENTILATED SUPERCOMFORT CAB VERSION	80
Cab maintenance	85
AIR CONDITIONED SUPERCOMFORT CAB VERSION	88
Tractor storage	95

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Safety Precautions

THIS SYMBOL IS YOUR SAFETY ALERT SIGN

It means:

«ATTENTION - DANGER
YOUR SAFETY IS INVOLVED»

Read and heed all safety instructions carrying the signal words ***NOTE, CAUTION*** and ***DANGER***.

GENERAL

■ You tractor was designed with safety very much in mind. However, there is no real substitute for caution and attention in preventing accidents. Once an accident has happened it is too late to think about what you should have done.

■ Remember that your tractor has been designed exclusively for agricultural use. Any other application must first be authorized by the manufacturer.

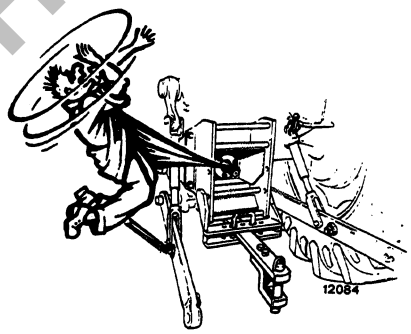
■ Read this manual thoroughly before attempting to start, operate, service or refuel the tractor. A few minutes reading will save time and trouble later.

■ Read and heed all machine-mounted safety decals before refueling or servicing the machine and replace any missing decals.

■ Tractor should be operated only by responsible persons suitably trained and duly authorized.

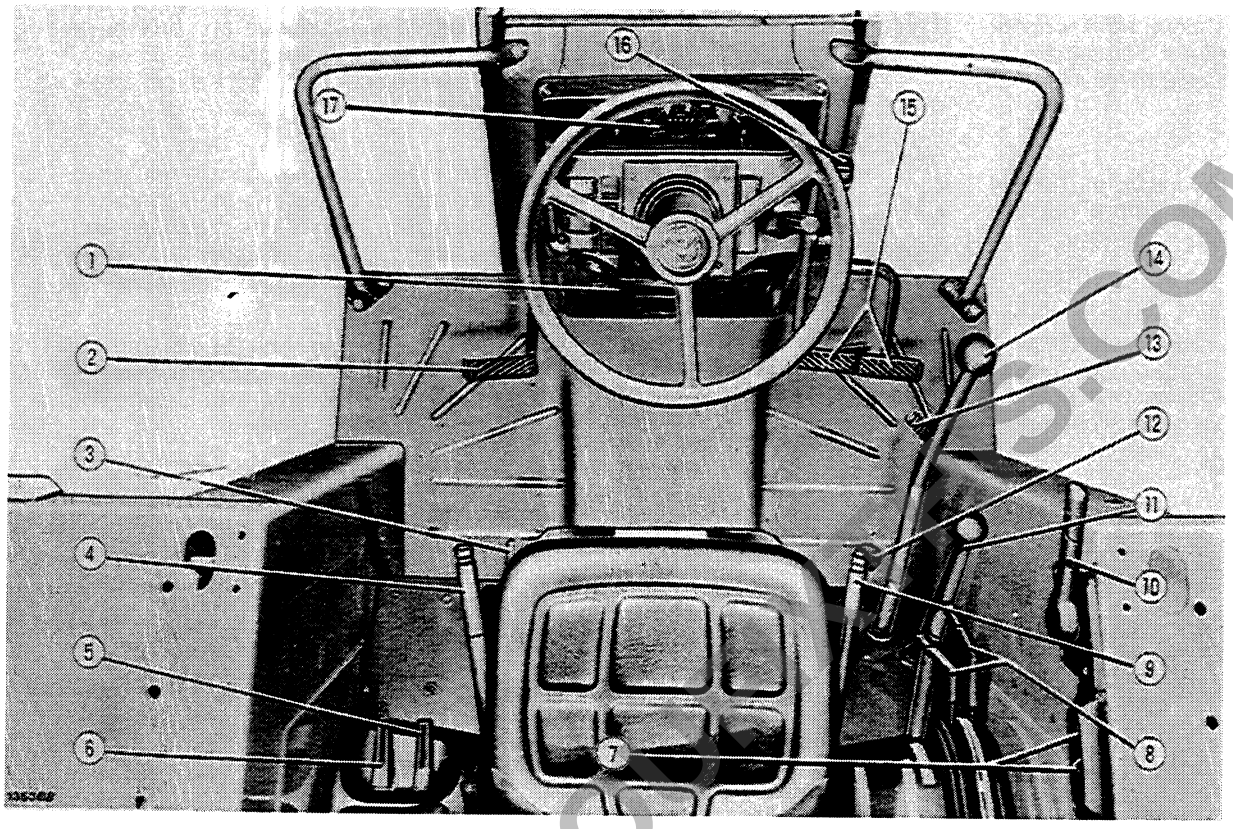
■ Keep a first aid kit handy.

■ Do not work with loose garments that could get caught in moving parts. Check that all rotating parts connected to the PTO shaft are well shielded.



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



14

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



Water temperature gauge.

— Green = Normal.
— White = Low.
— Red = High.
In case of overheating, return the engine to idle (do not stop) and if the trouble persists, inspect the cooling system.



Differential lock indicator (yellow)



Auxiliary worklight indicator (yellow).



Thermostarter or start-pilot control (switch **B** to **1**, see page 19).



PTO indicator(yellow).



Front wheel drive indicator (yellow).

Tractor meter (central instrument). Tachometer, speedometer, hourmeter and 5-digit totalizer. Black background digits indicate working hours and red background digit (last to right) 10ths of an hour.
Green and red sectors on hourmeter indicate engine rpm for 540 and 1000 rpm PTO respectively.



Fuel gauge.
Indications provided:
— Needle to right - Full tank.
— Needle to left (red sector) - Less than ¼ full.



Fuel sedimenter restriction indicator (red).



Parking light indicator (green).



High beam indicator (blue).



Tractor turn signal indicator (green).



First trailer turn signal indicator (green).



Second trailer turn signal indicator (green).



Spare.



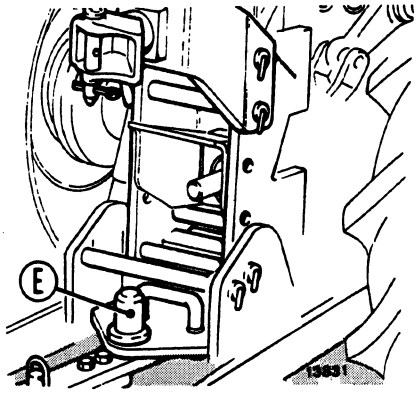
Spare.



Fuel reserve indicator.

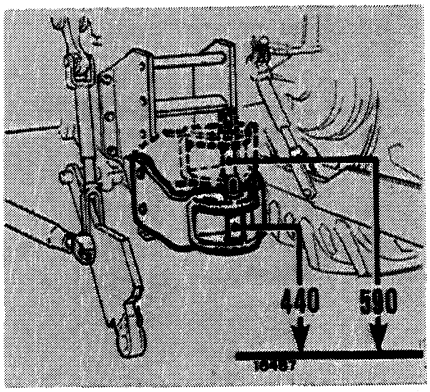
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



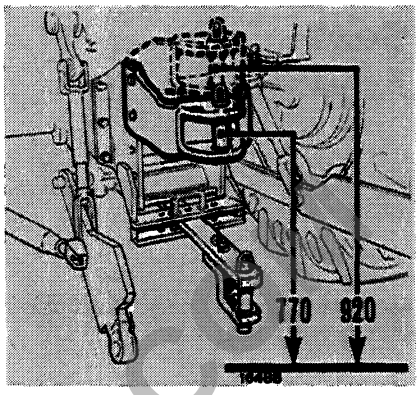
SEMI-TRAILER TOW HOOK

Provided together with drawbar.
Hitch semi-trailers to pin **E** on drawbar support.



ADJUSTABLE TOW HOOK

This type of hook is suitable for towing all types of trailers, including single-axle trailers.
It may be adjusted for height both above and below P.T.O., adjustment positions being four.
This hook may be fitted simultaneously with swinging drawbar.



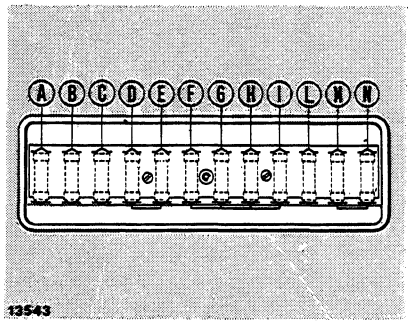
NOTE
A pull hook is provided for emergency trailer towing operations or to tow tractor.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

FUSES

Prior to renewing a blown fuse trace and rectify the fault.



13543

Fuse	PROTECTED CIRCUITS	A
A	Thermostarter or start-pilot	25
B	High beam and indicator	8
C	Low beam	8
D	Front left and rear right parking lights, multiple gauge light, rear worklight, cab work lights	8
E	Front right and rear left parking lights, parking light indicator, cigar lighter light	8
F	Engine oil level sending unit and indicator, PTO indicator, engine coolant temperature indicator, fuel gauge, battery charge indicator, parking brake indicator, differential lock indicator, front wheel-drive indicator, tractor and trailer stop lights, cigar lighter, additional fuel tank level, dry air cleaner restriction sender and indicator, engine low oil pressure and indicator.	8
G	Parking brake sending unit and indicator, horn, low brake fluid indicator	8
H	Turn signal lights and indicator, clogged fuel sedimenter indicators	8
I	Cab system	25
L	Fuel shut off solenoid	8
M	Hazard warning light, single-pole power point	16
N	Cab system	25

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

FIAT TRATTORI S.p.A. - Viale delle Nazioni, 55 - San Matteo - 41100 MODENA

Direzione Commerciale - Servizi Tecnici di Assistenza - Pubblicazioni Tecniche
Print N **603.64.130.00R** - V - 1987 - 1st Edition - 500 Ruggeri Grafiche

PRINTED IN ITALY

●

COPYRIGHT BY FIAT TRATTORI
Reproduction of text and illustrations is not permitted in any form.

The information contained in this operator's manual is intended to be of a general nature only. FIAT Trattori may at any time and from time to time, for technical or other necessary reasons, modify any of the details or specifications of the product described in this manual. To be sure of getting accurate and up-to-date information an intending buyer should consult his nearest FIATAGRI dealer or distributor or branch.

PREVIEW - YOUFIXTHIS.COM

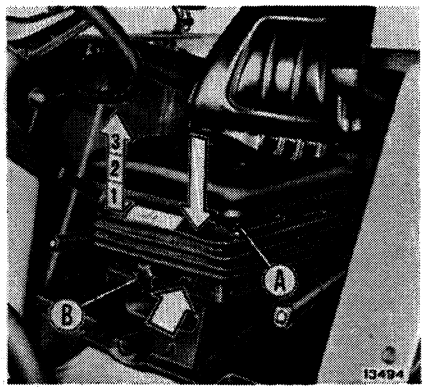
Download full manual at youfixthis.com

Seat Adjustment

The operator's seat is adjustable for reach and ride.

Moreover, the seat may be adjusted during operation.

For maximum safety, ride should not be too soft, especially on rough ground.



A. Reach adjustment lever.

— Move lever **A** sideways to move seat backward or forward.

— After moving seat, ensure that it is engaged in one of the **eleven** positions available.

B. Suspension ride knob.

Turn knob **B** clockwise or counterclockwise until your weight appears in the window arrowed in the figure.

Height adjustment

To adjust seat for height raise by hand to any of three positions provided as shown and indicated by an audible click. To lower seat, raise fully and ease down.

Steering Wheel Adjustment

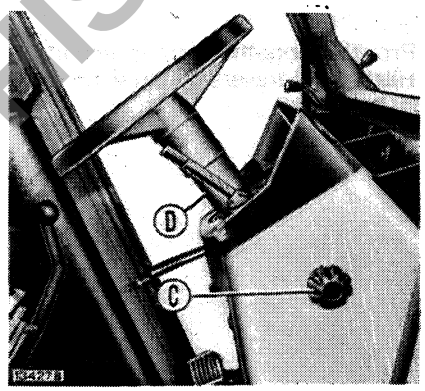
Steering wheel is adjustable for height and rake.

Turn knob **C** to adjust rake and ring nut **D** to adjust height.

After adjustment lock knob and ring nut.

C. Rake adjustment knob:
Turn clockwise to lock steering wheel in the desired position.

D. Height adjustment ring nut:
Turn clockwise to lock steering wheel in the desired position.

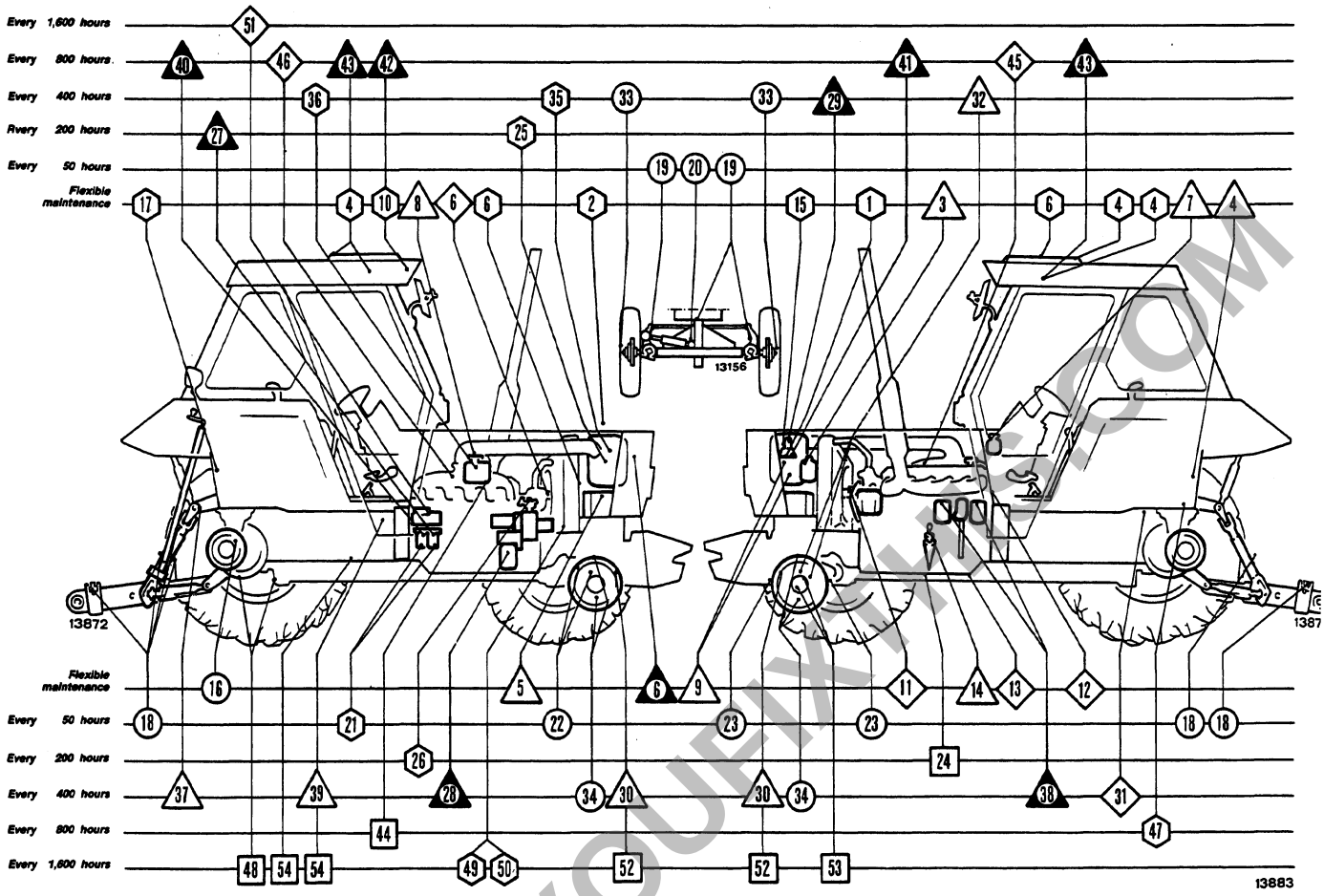


PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

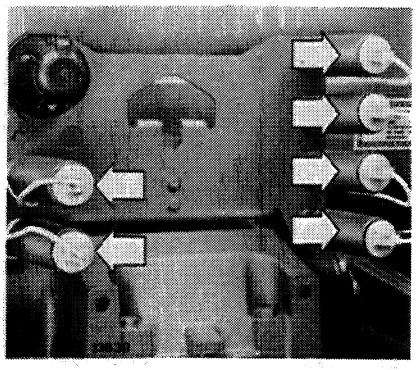
PREVIEW - YOUFIXTHIS.COM

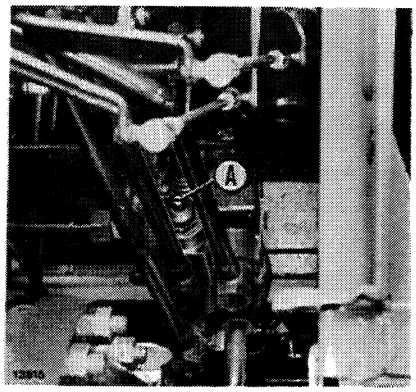
Download full manual at youfixthis.com



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com





Remote Control Valves

Your tractor may be equipped with one, two or three remote control valves employing hydraulic lift oil to remotely control single- or double-acting cylinders.

Each control valve is provided with two quick-connect push-pull ½ in female half-couplings suitable for connection to quick connect pushpull male half-couplings.

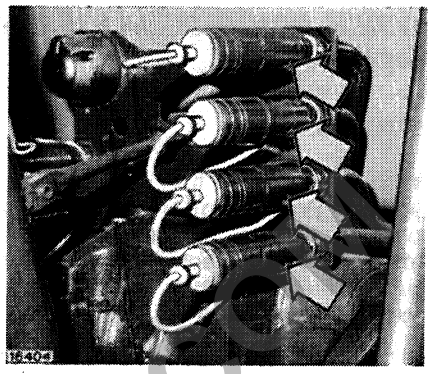
Auxiliary cylinder lines may be connected single handed.

Push to connect and pull to disconnect from sockets after:

— Stopping engine.

— Lowering any implements connected to lift.

— Thoroughly cleaning half-couplings.



NOTE

For tractors equipped with FASTER quick-connect couplers make sure the holes shown above are unobstructed.

Remote control valves can be either single or double-acting. To change to:

— **Single acting** - back off screw **A**, located near remote control valve lever articulation.

— **Double acting** - fully tighten screw **A**.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 12 of 103 pages

The full manual includes:

- All 103 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Fiat Trattori 110-90, 110-90 DT Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual