

**FARMALL 60, FARMALL 70
FARMALL 80, FARMALL 90
FARMALL 95 Tractors**

Operator's Manual

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Farmall 60 / Farmall 70 / Farmall 80 Farmall 90 / Farmall 95

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SECTION SUMMARY

- 1 - Introduction and safety measures**
- 2 - General information, controls and instruments**
- 3 - Field Operations**
- 4 - Lubrication and Maintenance**
- 5 - Troubleshooting**
- 6 - Vehicle storage**
- 7 - Accessories**
- 8 - Specifications and data**
- 9 - Service Forms**
- 10 - Alphabetical index**

TO THE OWNER

This manual contains information concerning the adjustment and maintenance of your Case IH Farmall 60, Farmall 70, Farmall 80, Farmall 90, and Farmall 95 Model Tractor. You have purchased a dependable machine, but only by proper care and operation can you expect to receive the performance and long service built into this tractor. Please have all operators read this manual carefully and keep it available for ready reference.

This machine was designed to power and propel itself. It is intended to load and move materials with a variety of buckets and forks. Allied attachments built and supplied by other manufacturers can be used on the tractor where recommended and approved by CNH.

Your CNH dealer will instruct you in the general operation of your tractor. (Refer to the "Delivery Report" at the back of this manual.) Your dealer's staff of factory-trained service technicians will be glad to answer any questions that may arise regarding the operation of your tractor.

Your CNH dealer carries a complete line of genuine CNH service parts. These parts are manufactured and carefully inspected to insure high quality and accurate fitting of any necessary replacement parts. Be prepared to give your dealer the model and PIN number of the engine and tractor, when ordering parts. Locate these numbers now and record them below. Refer to the "General Information" section of this manual for the location of the model and PIN numbers of your tractor.

Model _____

Engine Model _____

PIN Number _____

Engine Serial Number _____

IMPROVEMENTS

CNH America LLC is continually striving to improve its products. We reserve the right to make improvements or changes when it becomes practical and possible to do so, without incurring any obligation to make changes or additions to the equipment sold previously.

CALIFORNIA
Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

CONTENTS

Title	Page
Section 1 - Introduction and safety measures	
To the owner	1-1
Tractor identification	1-3
Ecology and the environment	1-5
Safety messages used in this manual	1-6
Working safely	1-7
Safety decals	1-23
International symbols	1-30
Section 2 - General information, controls and instruments	
Safety covers and guards	1-27
Controls and instruments	2-2
Instrument panel	2-3
Instrument console controls	2-9
Right-hand side operating controls	2-10
Left-hand side operating controls	2-11
Cab controls	2-13
Seats	2-14
Cab	2-17
Cab air conditioning system	2-26
Transmission with range gear and shuttle- 30 km/h (19 mph)	2-32
Transmission with creeper and shuttle- 30 km/h (19 mph)	2-35
Mechanically controlled four wheel drive	2-38
Mechanically controlled differential lock	2-40
Towing the tractor	2-44
Loading the tractor onto a transporter	2-44
Checks before using the tractor	2-45
Section 3 - Field Operations	
Tractor operation	3-2
Power take-off	3-5
Hydraulic lift	3-9
Three-point linkage Cat. II	3-14
Remote control valves	3-23
Wheel track adjustment	3-25
Tires	3-32
Tire combinations	3-36
Ballasting	3-43
Static weight distribution	3-50

Section 4 - Lubrication and Maintenance	
Access for inspection and maintenance	4-5
Lubrication and maintenance table	4-5
Flexible maintenance	4-8
When the warning light is on	4-10
10-hour / daily service	4-14
50-hour service	4-19
300-hour service	4-23
600-hour service	4-29
1200-hour service	4-32
1200-hour or every 2 years service	4-33
General maintenance	4-39
Electrical system	4-41
Recommendations for bodywork maintenance	4-48
Lubricant capacities and specifications	4-49
Section 5 - Troubleshooting	
Introduction	5-1
Engine	5-2
Electrical system	5-5
Hydraulic system	5-6
Three-point linkage	5-7
Brakes	5-8
Cab	5-8
Section 6 - Vehicle Storage	6-1
Section 7 - Accessories	
Beacon lamp	7-2
Drawbars and towing attachments	7-3
Hydraulic trailer brake	7-9
Section 8 - Specifications and data	
General Dimensions	8-2
Weights	8-4
Engine specifications	8-5
Timing	8-6
Fuel system	8-6
Lubrication	8-7
Cooling system	8-7
Transmission	8-7
Power take-off	8-8
Hydraulic system	8-8
Three-point linkage	8-9
Front axle	8-9
Steering	8-10
4WD front axle	8-10
Brakes	8-11
Bodywork and driving position	8-11
Towing devices	8-11
Electrical system	8-12
Section 9 - Service Forms	
Delivery reports	9-1
First 50-hour service	9-5
Section 10 - Alphabetical Index	10-1

**METRIC AND IMPERIAL UNITS
ABBREVIATIONS**

TYPICAL APPLICATIONS	RECOMMENDED SI (METRIC) UNITS		IMPERIAL UNIT	
	NAME	SYMBOL	NAME	SYMBOL
AREA				
Land area	hectare	ha	acre	ha
	square meter	m ²	square foot square inch	ft ² in ²
	square millimeter	mm ²	square inch	in ²
ELECTRICITY				
	ampere	A	ampere	A
	volt	V	volt	V
	microfarad	μF	microfarad	μF
	ohm	Ω	ohm	Ω
FORCE				
	kilonewton	kN	pound	lb
	newton	N	pound	lb
FORCE PER LENGTH				
	newton per meter	N/m	pound per inch	lb/in
FREQUENCY				
	megahertz	MHz	Megahertz	MHz
	kilohertz	kHz	kilohertz	kHz
	hertz	Hz	hertz	Hz
FREQUENCY - ROTATIONAL				
	revolution per minute	r/min rpm	revolution per minute	r/min ^(a) rpm
LENGTH				
	kilometer	km	mile	mi
	meter	m	foot	ft
	centimeter	cm	inch	in
	millimeter	mm	inch	in
	micrometer	μm		
MASS				
	kilogram	kg	pound	lb
	gram	g	ounce	oz
	milligram	mg		

TYPICAL APPLICATIONS	RECOMMENDED SI (METRIC) UNITS		IMPERIAL UNIT	
	NAME	SYMBOL	NAME	SYMBOL
POWER				
	kilowatt	kW	horsepower	HP
	watt	W	Btu per hour Btu per minute	Btu/hr Btu/min
PRESSURE or STRESS (FORCE PER AREA)				
	kilopascal	kPa	pound per square inch inch of mercury	PSI inHg
	pascal	Pa	inch of water	inH ₂ O
	megapascal	MPa	pound per square inch	PSI
TEMPERATURE (other than THERMODYNAMIC)				
	degrees Celsius	°C	degrees Fahrenheit	°F
TIME				
	hour	h	hour	h
	minute	min	minute	min
	second	s	second	s
TORQUE (includes BENDING MOMENT, MOMENT OF FORCE, and MOMENT OF A COUPLE)				
	Newton meter	Nm Nm	pound foot pound inch	lb ft lb in
VELOCITY				
	kilometer per hour	km/h kph	mile per hour	mph
	meter per second	m/s	foot per second	ft/s
	millimeter per second	mm/s	inch per second	in/s
	meter per minute	m/min	foot per minute	ft/min
VOLUME (includes CAPACITY)				
	cubic meter	m ³	cubic yard	yd ³ cu yd
	liter	l	cubic inch	in ³
	liter	l	US gallon UK gallon US quart UK quart	US gal UK gal US qt UK qt
	milliliter	ml	fluid ounce	fl oz

TYPICAL APPLICATIONS	RECOMMENDED SI (METRIC) UNITS		IMPERIAL UNIT	
	NAME	SYMBOL	NAME	SYMBOL
VOLUME PER TIME (includes DISCHARGE and FLOW RATE)				
	cubic meter per minute	m ³ /min	cubic foot per minute	ft ³ /min
	liter per minute	l/min	US gallon per minute	US gal/min
	milliliter per minute	ml/min	UK gallon per minute	UK gal/min
SOUND POWER LEVEL and SOUND PRESSURE LEVEL				
	decibel	dB	decibel	dB

SECTION 1

INTRODUCTION AND SAFETY MEASURES

TO THE OWNER

GENERAL

This Manual has been prepared to assist you in the correct procedure for running-in, driving and operating and for the maintenance of your new tractor. Read this Manual carefully. Your tractor is intended for use in normal and customary agricultural applications.

If at any time you require advice concerning your tractor, do not hesitate to contact your Case IH dealer. He has factory trained personnel, genuine manufacturers' parts and the necessary equipment to carry out all your service requirements.

Your tractor has been designed and built to give maximum performance, economy and ease of operation under a wide variety of operating conditions. Prior to delivery, the tractor was carefully inspected, both at the factory and by your dealer to ensure that it reaches you in optimum condition. To maintain this condition and ensure trouble-free operation, it is important that the routine services, as specified in Section 4 of this Manual, are carried out at the recommended intervals.

CLEANING THE TRACTOR

Your tractor is a state-of-the-art machine with user friendly controls. This should be borne in mind when cleaning the tractor, particularly if using a high pressure washer. Even though every precaution has been taken to safeguard electrical components and connections, the pressure generated by some of these machines is such that complete protection against water ingress cannot be guaranteed.

When using a high pressure washer, do not stand too close to the tractor and avoid directing the jet at electronic components, electrical connections, breathers, seals, filler caps, etc. Never direct a cold water jet at a hot engine or exhaust.

SAFETY

Pages 1-6 to 1-13 inclusive list the precautions to be observed to ensure your safety and the safety of others. Read the safety precautions and follow the advice offered **before** operating the tractor.

FIRST 50 HOUR SERVICE

In Section 9, at the back of this Manual, you will find the 50-hour service reports.

After you have operated the tractor for 50 hours, take your tractor, together with this Manual, to your dealer. He will then perform the factory recommended 50-hour service and complete the service report sheets (pages 9-5 and 9-7). The first sheet (page 9-5) is the dealer's copy and should be removed by the dealer after the service has been carried out. The second sheet (page 9-7) is your copy of the service performed. **Ensure that you and the dealer sign both copies.**

SERVICE PARTS

It should be pointed out that genuine parts have been examined and approved by CNH. The installation and/or use of 'non-genuine' products could have negative effects upon the design characteristics of your tractor and thereby affect its safety. CNH is not liable for any damage caused by the use of 'non-genuine' parts and accessories. Only genuine replacement parts should be used. The use of non-genuine parts may invalidate legal approvals associated with this product.

It is prohibited to carry out any modifications to the tractor unless specifically authorized, in writing, by the After Sales Service department of CNH.

WARRANTY

Your tractor is warranted according to legal rights in your country and the contractual agreement with the selling dealer. No warranty shall, however, apply if the tractor has not been used, adjusted and maintained according to the instructions given in the Operator's Manual.

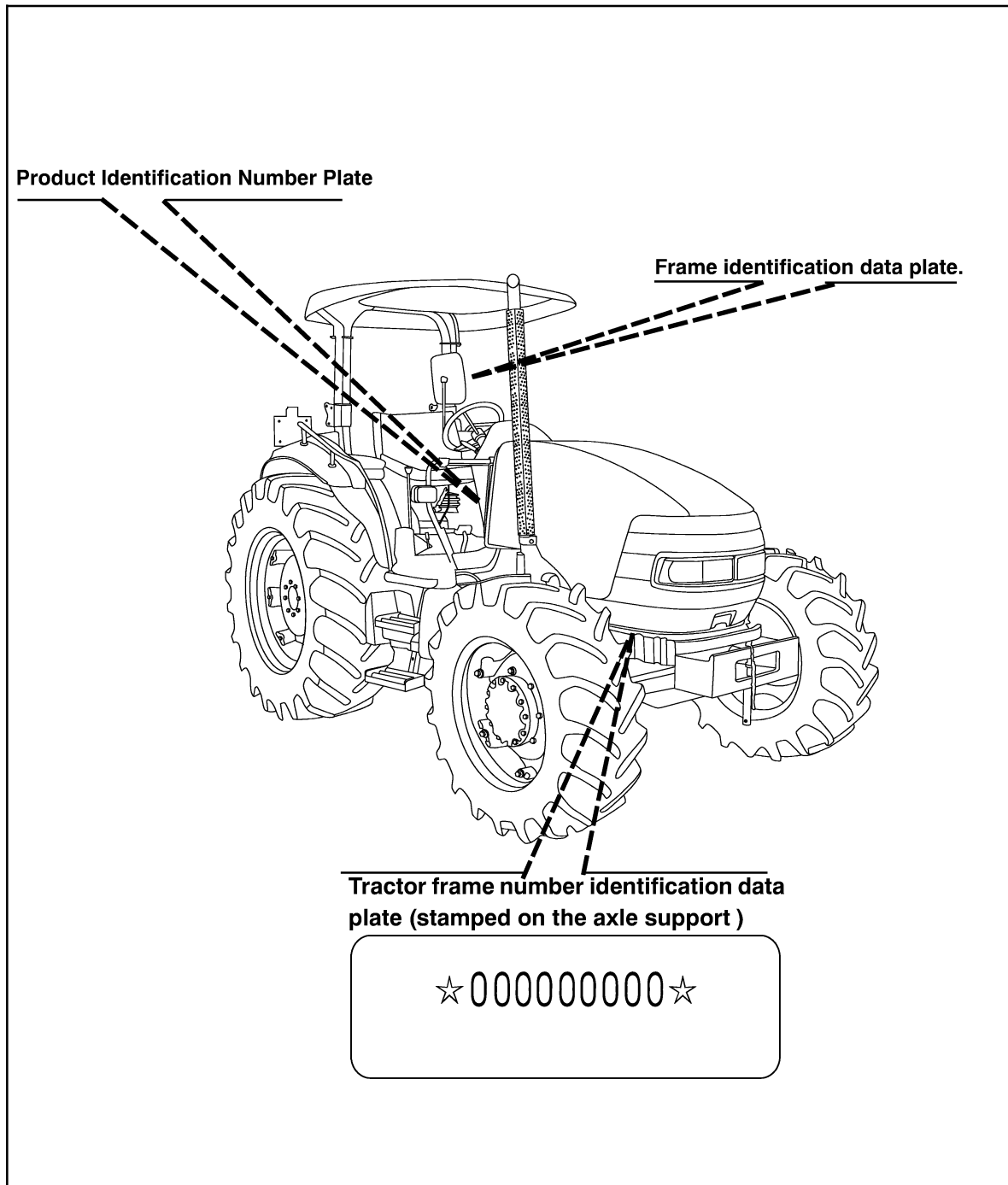
ABOUT THIS MANUAL

This Manual gives information for use of this tractor, as intended and under the conditions foreseen by the manufacturer during normal operation and routine service and maintenance.

- Normal operation means the use of the tractor for the purpose intended by the manufacturer by an operator familiar with the tractor and the mounted or towed equipment and complying with the information for operation and safe practices, as specified by the manufacturer in this Manual and by the signs on the tractor and the equipment.
- Normal operation includes the preparation and storage of the tractor, swinging components into work position and vice versa, adding or removing ballast and picking up and setting off attachments.
- Normal operation includes the adjustment and setting of the tractor and equipment, for the specific condition of the field and/or the crop.
- Routine service and maintenance means activities that must be done daily by an operator familiar with the tractor characteristics and complying with the information for routine service and safe practices, as specified by the manufacturer in this Manual and by signs on the tractor, in order to maintain its proper function. Routine service includes activities such as fueling, cleaning, washing, topping up fluid levels, greasing, replacing of consumable articles such as lamp bulbs.
- This Manual is not giving all the information related to periodical service, converting and repairs to be carried out by professional service personnel. For some of the latter activities, there may be a need for appropriate facilities, technical skills and tools which are not supplied with the tractor, please refer to your dealer or authorized workshop.
- Periodical service means activities that must be done at defined intervals by trained personnel familiar with the tractor characteristics and which are complying with the information for periodical service and safe practices, as partly specified by the manufacturer in this Manual and in other Company literature, in order to maintain the expected life time of the tractor.
- Converting means activities that must be done by professional service personnel familiar with the tractor characteristics and complying with the information for converting, as partly specified by the manufacturer in this Manual, in assembly instructions or in other Company literature, in order to fit the tractor to a specific configuration.
- Repair means activities that must be done by professional service personnel only familiar with the tractor characteristics and complying with the information for repair, as specified by the manufacturer in the dealer's workshop Manual, in order to restore the proper function of the tractor after a failure or degradation of performance.

TRACTOR IDENTIFICATION PLATES

Serial numbers identify the tractor and its main components. The identification data must be supplied by the dealer for requests for spare parts or service operations. Identification data is of fundamental importance in the event of theft of the tractor. The location of the various identification data is shown below.



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Our support email:

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