CALIFORNIA

Proposition 65 Warning

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.

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

Challenger Version Classic MT500D - Operation



Foreword

We would like to welcome you to the ever-growing number of people who own a Challenger tractor; people who appreciate quality. We are proud of every tractor that leaves our factories, each being technically advanced and of high quality.

This Operator's Manual contains the specifications for your new tractor. Please ensure that all operators read the instructions and follow them carefully. The pages that follow contain vital information on your tractor; please read them carefully.

Your Challenger dealer will guarantee you quality servicing and will provide you with all the assistance you need. When it comes to servicing, remember that your dealer knows your tractor best and that he wants you to be completely satisfied.

Please leave this Operator's Manual in the tractor if resold. The subsequent owner will need the information it contains.

All information and specifications in this manual are up to date at the time of publication. However, our ongoing policy to improve our products obliges us to reserve the right to make alterations at any time without notice.

Please note that this manual relates to all models and refers to both standard and optional equipment. You may therefore find details relating to equipment that is not fitted on your tractor.

This Operator's Manual complies with Directive 2010/52 EC.

Challenger

MT500D - Operation

1	Trac		entification	
	1.1	Locati	ing serial numbers	
		1.1.1	Locating serial numbers	
	1.2	Your t	tractor identification details	
		1.2.1	Your tractor identification details	12
2	Safe	ety inst	tructions and safety points - Warranty	13
	2.1	Introd	luction	15
		2.1.1	Introduction - Safety instructions	15
	2.2	Safety	y — Symbols and terms	
		2.2.1	Safety — Symbols and terms	
	2.3	Safety	y signs and instructions	18
		2.3.1	Checking and replacing the safety signs and instructions	
		2.3.2	Presentation and location of the safety signs and instructions	
	2.4	Gener	al safety instructions	
		2.4.1	Awareness of the safety instructions and symbols	
		2.4.2	Operator familiarity in the use of the tractor	
		2.4.3	Filling the fuel tank	
		2.4.4	Getting into and out of the cab	
		2.4.5	Mandatory procedure before dismounting the tractor	
	2.5	-	al safety instructions for preparing the tractor for use	
		2.5.1	Protective clothing	
		2.5.2	Activated carbon filter information	
		2.5.3	Safety devices and items	
		2.5.4	Checking the tractor	
	2.6		fic safety instructions for starting the tractor	
		2.6.1	Protection of persons other than the operator	
		2.6.2	Start up safely	
		2.6.3	Checks to be carried out after start-up	
	2.7		fic safety instructions for using the tractor	
		2.7.1	General instructions	
		2.7.2	Protection of persons other than the operator	
		2.7.3	Overturning	
		2.7.4	Tractor towing	
		2.7.5	Road use	
		2.7.6	Power take-off	
		2.7.7	Implements	
		2.7.8	Front-end loader	
	2.8		fic safety instructions for servicing the tractor	
		2.8.1	Pollution warning to observe when servicing the tractor	
		2.8.2	General instructions	
		2.8.3	Handling instructions	
		2.8.4	Special instructions for cleaning the tractor	
	2.9		ctive structures	
		2.9.1	Protective structures: use and accreditation	
		2.9.2	Cab or ROPS (depending on model)	
		2.9.3	Seat belt	
		2.9.4	Instructor seat	
		2.5.7	modiactor cout	

	2.10	Warran	ty	50
		2.10.1	General	50
		2.10.2	Pre-delivery inspection and commissioning at the user's premises	50
		2.10.3	Warranty procedure	50
		2.10.4	Procedure to follow if changing region	50
		2.10.5	Servicing during and after the warranty period	51
		2.10.6	California emission control warranty statement	
		2.10.7	California emission reduction control warranty for the United States and	
			Canada	54
	•	4.		
3				
	3.1			
		3.1.1	Steering console	
		3.1.2	Instrument panel	
		3.1.3	Control unit	
		3.1.4	Pedals	
		3.1.5	Steering Wheel	
		3.1.6	Operator presence detector	
		3.1.7	Automatic adjustment pneumatic seat	
		3.1.8	Manual adjustment pneumatic seat	
		3.1.9	Long right-hand console	
		3.1.10	Right-hand pillar	
		3.1.11	Left-hand console	
		3.1.12	Upper console	
		3.1.13	Air conditioning	
		3.1.14	Additional heater	
		3.1.15	Accessories sockets	
		3.1.16	Emergency exits	
		3.1.17	Cab safety	
		3.1.18	Sun visor	
		3.1.19	Wheel chock(s) (optional)	
	3.2		ash Display control screens on the instrument panel	
		3.2.1	Using the Dash Control Center screen	
		3.2.2	Dash Control Center screens	-
	3.3	Body .		
		3.3.1	Opening the hood	
		3.3.2	Adjusting the external rear-view mirrors	
	3.4	Engine		
		3.4.1	Running-in	
		3.4.2	Filling with fuel	
		3.4.3	Start switch	. 103
		3.4.4	Start-up	
		3.4.5	Start-up sheet	
		3.4.6	Cold weather starting	. 106
		3.4.7	Information on the different operating modes of the e3 SCR Technology	
			engine	
		3.4.8	Stopping the engine	
		3.4.9	Engine speed	
	3.5	Transm	nission	
		3.5.1	General	
		3.5.2	Clutch function	
		3.5.3	PowerShuttle	
		3.5.4	Setting start-up speeds	
		3.5.5	Field/road mode change	
		3.5.6	Lever (Speedmatching) mode	
		3.5.7	Pedal (AutoDrive) mode	
		3.5.8	Power Management mode	. 119

	3.5.9	Creeper gears (optional)	
	3.5.10	Tractor towing	120
	3.5.11	Forward speed calibration	121
3.6	Brakes		123
	3.6.1	Brake pedals	123
	3.6.2	Hydraulic trailer brake	123
	3.6.3	Pneumatic trailer brake	124
	3.6.4	Parking brake	125
3.7	Front a	xle	
	3.7.1	Four-wheel drive front axle	
	3.7.2	Suspended front axle	
3.8	_	ntial lock	
0.0	3.8.1	Differential lock	
3.9		take-off	
3.9	3.9.1	Front power take-off	
		•	
	3.9.2	Rear power take-off (PTO)	
	3.9.3	Economy PTO	
	3.9.4	Proportional PTO (optional)	
	3.9.5	Replacing the interchangeable shaft	
	3.9.6	Changing the flanged shaft	
	3.9.7	PTO external control	
	3.9.8	Power take-off electronic controls	
	3.9.9	Power take-off protection	139
3.10	Linkag	e	140
	3.10.1	Rear linkage electronic controls	140
	3.10.2	Rear linkage operation	140
	3.10.3	Rear linkage external controls	
	3.10.4	Front linkage	
3.11		e	
•	9		
	3 11 1	Three-noint linkage	148
	3.11.1	Three-point linkage	
	3.11.2	Three-point linkage Top link	149
	3.11.2 3.11.3	Three-point linkage Top link	149 149
	3.11.2 3.11.3 3.11.4	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods.	149 149 150
	3.11.2 3.11.3 3.11.4 3.11.5	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers.	149 149 150 150
	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar.	149 149 150 150 152
	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar. 4-wheel trailer clevis hitch	149 149 150 150 152 155
	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar. 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch	149 149 150 150 152 155
3.12	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar. 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics	149 149 150 150 152 155 155
3.12	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar. 4-wheel trailer clevis hitch. Three-point linkage Quick linkage hitch ry hydraulics General.	149 149 150 150 152 155 155 157
3.12	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar. 4-wheel trailer clevis hitch. Three-point linkage Quick linkage hitch. Itry hydraulics. General. Description and use of the couplers.	149 149 150 150 155 155 157 157
3.12	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar. 4-wheel trailer clevis hitch. Three-point linkage Quick linkage hitch ry hydraulics General.	149 149 150 150 155 155 157 157
3.12	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar. 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics General. Description and use of the couplers Description of the hydraulic controls inside the cab Hydraulics control lever	149 149 150 150 155 155 157 157 163 164
3.12	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar. 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics General. Description and use of the couplers Description of the hydraulic controls inside the cab	149 149 150 150 155 155 157 157 163 164
3.12	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar. 4-wheel trailer clevis hitch. Three-point linkage Quick linkage hitch. In the point linkage lift rods. In the point linkage lift rods	149 149 150 150 152 155 157 157 163 164 165
3.12	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar. 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics General. Description and use of the couplers Description of the hydraulic controls inside the cab Hydraulics control lever	149 149 150 150 155 157 157 163 164 165 166
	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6	Three-point linkage Lower links Three-point linkage Lower links Three-point linkage lift rods Three-point linkage stabilizers Swinging drawbar 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics General Description and use of the couplers Description of the hydraulic controls inside the cab Hydraulics control lever Open Center 100 l/min (26.4 gal/min (US)) Setting flow rates	149 150 150 155 155 157 157 163 164 166 168
	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6 Front-e 3.13.1	Three-point linkage Lower links Three-point linkage Lower links Three-point linkage lift rods Three-point linkage stabilizers Swinging drawbar 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics General Description and use of the couplers Description of the hydraulic controls inside the cab Hydraulics control lever Open Center 100 l/min (26.4 gal/min (US)) Setting flow rates Ind loader function Front-end loader	149 150 150 155 155 157 157 163 164 165 168 168
	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6 Front-e 3.13.1 3.13.2	Three-point linkage Lower links Three-point linkage Lower links Three-point linkage lift rods Three-point linkage stabilizers Swinging drawbar 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics General Description and use of the couplers Description of the hydraulic controls inside the cab Hydraulics control lever Open Center 100 l/min (26.4 gal/min (US)) Setting flow rates end loader function Front-end loader Layout of components	149 150 150 155 155 157 157 163 164 168 168 168
3.13	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6 Front-e 3.13.1 3.13.2 3.13.3	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods Three-point linkage stabilizers Swinging drawbar. 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics General. Description and use of the couplers Description of the hydraulic controls inside the cab Hydraulics control lever Open Center 100 l/min (26.4 gal/min (US)) Setting flow rates end loader function Front-end loader Layout of components Using the front-end loader controls.	149 150 150 155 155 157 157 163 164 168 168 168 168
	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6 Front-e 3.13.1 3.13.2 3.13.3 Lightin	Three-point linkage Top link Three-point linkage Lower links Three-point linkage lift rods Three-point linkage stabilizers Swinging drawbar 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics General Description and use of the couplers Description of the hydraulic controls inside the cab Hydraulics control lever Open Center 100 l/min (26.4 gal/min (US)) Setting flow rates end loader function Front-end loader Layout of components Using the front-end loader controls	149 150 150 155 155 157 157 163 164 168 168 168 169 175
3.13	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6 Front-e 3.13.1 3.13.2 3.13.3 Lightin 3.14.1	Three-point linkage Top link. Three-point linkage Lower links Three-point linkage lift rods Three-point linkage stabilizers Swinging drawbar. 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics General. Description and use of the couplers Description of the hydraulic controls inside the cab Hydraulics control lever Open Center 100 l/min (26.4 gal/min (US)) Setting flow rates Ind loader function Front-end loader Layout of components Using the front-end loader controls g Main lighting control module	149 149 150 150 152 155 157 157 163 164 168 168 168 169 175
3.13	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6 Front-e 3.13.1 3.13.2 3.13.3 Lightin 3.14.1 3.14.2	Three-point linkage Top link. Three-point linkage Lower links Three-point linkage lift rods Three-point linkage stabilizers Swinging drawbar 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics General Description and use of the couplers Description of the hydraulic controls inside the cab Hydraulics control lever Open Center 100 l/min (26.4 gal/min (US)) Setting flow rates Ind loader function Front-end loader Layout of components Using the front-end loader controls. g Main lighting control module Work lights module	149 150 150 155 155 157 157 163 164 168 168 168 168 169 175
3.13	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6 Front-e 3.13.1 3.13.2 3.13.3 Lightin 3.14.1 3.14.2 Wheels	Three-point linkage Top link. Three-point linkage Lower links Three-point linkage lift rods Three-point linkage stabilizers Swinging drawbar 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics General. Description and use of the couplers Description of the hydraulic controls inside the cab Hydraulics control lever Open Center 100 l/min (26.4 gal/min (US)) Setting flow rates Ind loader function Front-end loader Layout of components Using the front-end loader controls Main lighting control module Work lights module and tires	149 149 150 150 155 155 157 157 163 164 168 168 168 175 175 175
3.13	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6 Front-e 3.13.1 3.13.2 3.13.3 Lightin 3.14.1 3.14.2 Wheels 3.15.1	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar. 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch ry hydraulics General. Description and use of the couplers Description of the hydraulic controls inside the cab Hydraulics control lever Open Center 100 l/min (26.4 gal/min (US)) Setting flow rates end loader function. Front-end loader Layout of components Using the front-end loader controls. g Main lighting control module. Work lights module. s and tires Wheel studs	149 149 150 150 155 155 157 157 163 164 168 168 168 175 175 177 177 178
3.13	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6 Front-e 3.13.1 3.13.2 3.13.3 Lightin 3.14.1 3.14.2 Wheels 3.15.1 3.15.2	Three-point linkage Top link. Three-point linkage Lower links Three-point linkage lift rods Three-point linkage stabilizers Swinging drawbar. 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch Inter-point linkage Adjumin (US) Inter-point linkage Adjumi	149 149 150 150 155 157 157 157 163 164 168 168 168 175 176 177 177 178
3.13	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6 Front-e 3.13.1 3.13.2 3.13.3 Lightin 3.14.1 3.14.2 Wheels 3.15.1 3.15.2 3.15.3	Three-point linkage Top link. Three-point linkage Lower links. Three-point linkage lift rods. Three-point linkage stabilizers. Swinging drawbar. 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch Intree-point linkage Stabilizers Intree-point linkage linkage hitch Intree-point linkage stabilizers Intree-point linkage linkage hitch Intree-point linkage linkage hit	149 149 150 150 155 157 157 157 163 164 168 168 168 175 175 176 178 178
3.13	3.11.2 3.11.3 3.11.4 3.11.5 3.11.6 3.11.7 3.11.8 Auxilia 3.12.1 3.12.2 3.12.3 3.12.4 3.12.5 3.12.6 Front-e 3.13.1 3.13.2 3.13.3 Lightin 3.14.1 3.14.2 Wheels 3.15.1 3.15.2	Three-point linkage Top link. Three-point linkage Lower links Three-point linkage lift rods Three-point linkage stabilizers Swinging drawbar. 4-wheel trailer clevis hitch Three-point linkage Quick linkage hitch Inter-point linkage Adjumin (US) Inter-point linkage Adjumi	149 149 150 150 155 157 157 157 163 164 168 168 169 175 175 177 178 178 180 182

Ta	4	_	٦f		-+-	nts
ı a	IJΙ	e	UΙ	CO	IILU	IILS



3.15.6	Dual wheels	. 185
3.15.7	Adjusting the dual rear wheel track width	. 186
3.15.8	Tire pressures	. 192
3.15.9	Liquid ballasting	. 192

1. Tractor identification

1.1	Locati	Locating serial numbers				
	1.1.1	Locating serial numbers				
1.2	Your t	tractor identification details				
	1.2.1	Your tractor identification details				

1

1.1 Locating serial numbers

1.1.1 Locating serial numbers

016105

IMPORTANT: Please quote the serial number of your tractor in all correspondence with your dealer or agent.

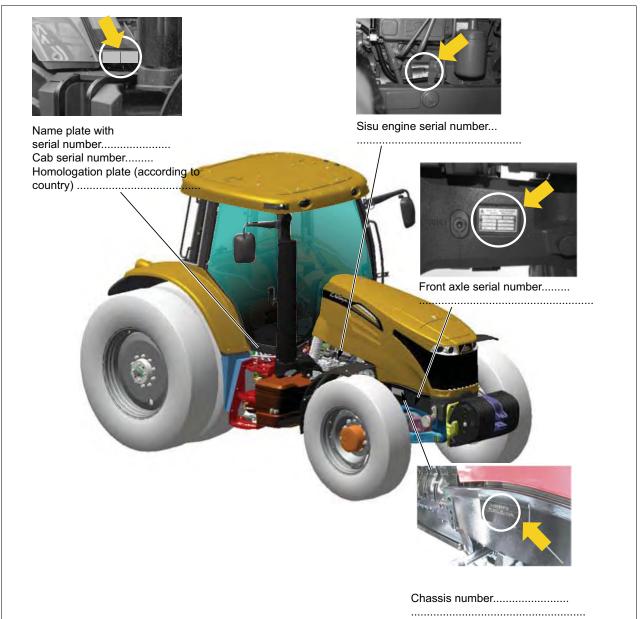


Fig. 1. 1036304

1.2 Your tractor identification details

1.2.1 Your tractor identification details	T00086
Model:	
iviodei.	
Serial number:	
Engine serial number:	
Owner's name:	
Zip Code: Town:	
County:	
Country:	
Dealer code:	
Tractor received from (check one of the following): Factory:	
Notes:	

2. Safety instructions and safety points - Warranty

2.1	Introd	uction	15
	2.1.1	Introduction - Safety instructions	15
2.2	Safety	- Symbols and terms	17
	2.2.1	Safety — Symbols and terms	17
2.3	Safety	signs and instructions	18
	2.3.1	Checking and replacing the safety signs and instructions	18
	2.3.2	Presentation and location of the safety signs and instructions	19
2.4	Genera	al safety instructions	24
	2.4.1	Awareness of the safety instructions and symbols	24
	2.4.2	Operator familiarity in the use of the tractor	24
	2.4.3	Filling the fuel tank	25
	2.4.4	Getting into and out of the cab	26
	2.4.5	Mandatory procedure before dismounting the tractor	26
2.5	Specia	I safety instructions for preparing the tractor for use	27
	2.5.1	Protective clothing	27
	2.5.2	Activated carbon filter information	27
	2.5.3	Safety devices and items	29
	2.5.4	Checking the tractor	30
2.6	Specif	ic safety instructions for starting the tractor	32
	2.6.1	Protection of persons other than the operator	32
	2.6.2	Start up safely	32
	2.6.3	Checks to be carried out after start-up	
2.7	Specif	ic safety instructions for using the tractor	34
	2.7.1	General instructions	
	2.7.2	Protection of persons other than the operator	
	2.7.3	Overturning	
	2.7.4	Tractor towing	
	2.7.5	Road use	
	2.7.6	Power take-off	
	2.7.7	Implements	
	2.7.8	Front-end loader	
2.8	Specif	ic safety instructions for servicing the tractor	44
	2.8.1	Pollution warning to observe when servicing the tractor	44
	2.8.2	General instructions	44
	2.8.3	Handling instructions	
	2.8.4	Special instructions for cleaning the tractor	
2.9	Protec	tive structures	
	2.9.1	Protective structures: use and accreditation	
	2.9.2	Cab or ROPS (depending on model)	
	2.9.3	Seat belt	
	2.9.4	Instructor seat	
2.10		nty	
	2.10.1	General	
	2.10.2	Pre-delivery inspection and commissioning at the user's premises	
	2.10.3	Warranty procedure	
	2.10.4	Procedure to follow if changing region	
	2.10.5	Servicing during and after the warranty period	
	2 10 6	California emission control warranty statement	51

California emission reduction control warranty for the United States and



2.1 Introduction

2.1.1 Introduction - Safety instructions

T000867

Operator's Manual

NOTE: This Operator's Manual is widely published and distributed and the availability of the attachments indicated, whether fitted to the basic tractor or as an accessory, may vary depending on the country or region in which the tractor is used. To find out which attachments are available in a given region, contact a Challenger dealer.

The purpose of this manual is to enable the owner and the operator to operate the tractor appropriately under normal conditions of use. Providing they follow the instructions carefully, the tractor will give many years of service in the Challenger tradition.

Use for any other activity (particularly forestry work) is considered to be contrary to the intended use.

The commissioning of equipment by the Challenger dealer on the user's premises enables the dealer to ensure that these operating and service instructions are properly understood. Always consult the Challenger dealer if there is any part of this manual that you do not understand. It is important that these instructions are understood and followed.

This manual does not cover all operation and safety instructions relevant to the implements and accessories that may be fitted at the time of tractor delivery or later. It is essential that operators use and understand the Operator's Manuals relating to these implements and accessories.

IMPORTANT: This manual must always be kept with the tractor. For extra copies, contact your Challenger dealer.

This chapter in the Operator's Manual highlights certain basic safety-related situations that may be encountered during normal operation and servicing of the tractor and provides the information needed to handle these situations.

This chapter supplements any safety instructions given in other chapters of this manual.

It may be necessary to take additional precautions, depending on the implements and accessories used and the working conditions on-site or in the service area. Challenger can under no circumstances exercise direct control over the commissioning, operation, inspection, lubrication, or servicing of the tractor. It is therefore YOUR responsibility to take suitable safety precautions in such areas.



WARNING:

It is your responsibility to read and understand the instructions that appear in this chapter before using the tractor. They must then be strictly adhered to throughout the working day.

Servicing, spare parts, accessories and conditions of use

Daily services should become a routine, and a logbook of operating hours should be kept.

When spare parts are required, it is important to use only genuine Challenger parts. Challenger dealers supply genuine parts and can offer advice concerning their fitting and use. The use of lower quality parts may cause serious damage. Customers are advised to purchase their spare parts only from an approved Challenger dealer. In the same way, you must only use accessories specifically adapted to your tractor.

Owing to the considerable variation in operating conditions, it is not possible for the manufacturer to formulate complete or absolute assertions in its publications concerning the performance or operating methods of its machines or to accept liability for any loss or damage which may result from such assertions or possible errors or omissions.

If the tractor is to be used in abnormal conditions which could cause damage (use in deep water or in paddy fields for instance), you should consult your Challenger dealer to obtain special instructions to prevent the warranty from becoming void.

These tractors are designed only for usual farming activities (intended use). Use for any other activity (particularly forestry work) is considered to be contrary to the intended use.

Strict compliance with the repairs, service and operating conditions as specified by Challenger is also an essential component of the intended use.

2

IMPORTANT: Challenger accepts no responsibility in the event of damage to equipment or personal injury resulting from improper use.

The tractor must only be used, serviced and repaired by personnel who have full knowledge of its specific features and who are aware of the applicable safety measures (prevention of accidents).

Customers are strongly advised to contact a Challenger dealer in the event of after-sale problems and for any adjustments which may be necessary.

2.2 Safety — Symbols and terms

2.2.1 Safety — Symbols and terms

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Signal



This safety alert symbol means CAUTION! BE ALERT! YOUR SAFETY DEPENDS ON IT!

The safety alert symbol identifies important safety notices on machines, safety signs, in instruction books or elsewhere. When you see this symbol, be alert to the risk of injury or death. Follow the instructions in the safety notice.

SAFETY is paramount! Why?

- ACCIDENTS DISABLE AND KILL
- ACCIDENTS ARE COSTLY
- ACCIDENTS CAN BE AVOIDED

Terms

The words DANGER, WARNING or CAUTION are used with the safety alert symbol. It is essential to learn how to recognize these safety messages and to follow the recommended safety measures and instructions.



DANGER:

indicates an imminently hazardous situation which, if not avoided, will result in DEATH or VERY SERIOUS INJURY.



WARNING:

indicates a potentially hazardous situation which, if not avoided, could result in DEATH or SERIOUS INJURY.



CAUTION:

indicates a potentially hazardous situation which, if not avoided, may result in MINOR or MODERATE INJURY.

The terms IMPORTANT and NOTE are not directly related to personal safety, but are used to provide additional information and advice on the operation or maintenance of equipment.

IMPORTANT: identifies specific instructions or procedures which, if not strictly applied, could damage or destroy the tractor, its equipment or the surrounding area.

NOTE: identifies points of particular interest for the most effective and suitable operation or repair.

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2.3 Safety signs and instructions

2.3.1 Checking and replacing the safety signs and instructions

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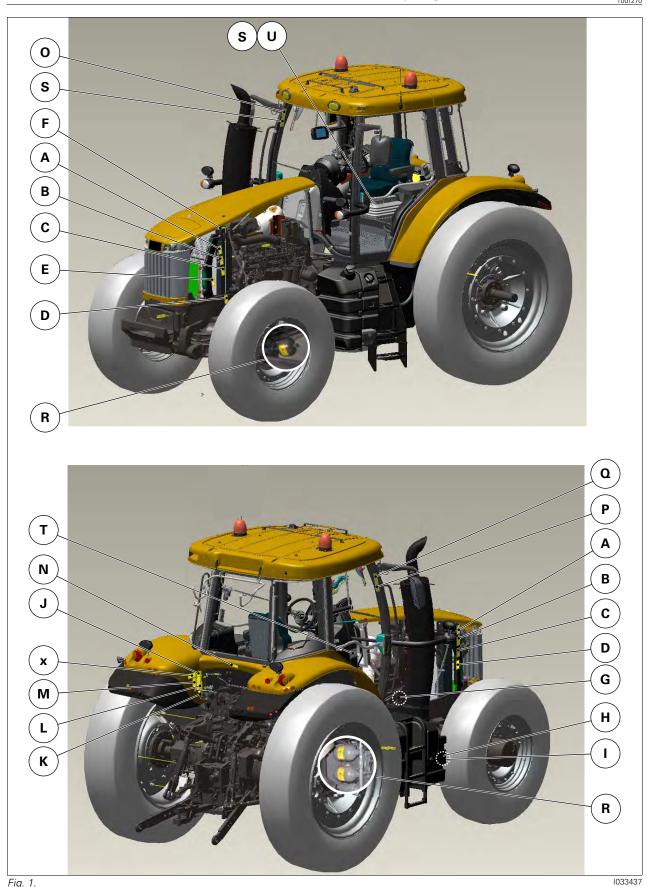


WARNING:

Never remove or obscure the safety signs and instructions.

Replace any safety signs and instructions that are illegible or missing. Replacement signs are available from the dealer in the event of loss or damage. If a second-hand tractor has been purchased, check that all of the safety signs and instructions are correct, legible and in the correct position. To do this, refer to the section on the presentation and location of these signs.

2.3.2 Presentation and location of the safety signs and instructions



MT500D AutoPower IV, MT500D AutoPower VI - NA

19



- **4296943M1** ((H) *fig. 1*)
- WARNING: Electrical shock hazard risk of personal injury and component damage.

Remove negative (ground) cable from battery before removing starter solenoid cover and before servicing electrical system.



- **4296945M1** ((A) *fig. 1*)

WARNING: Entanglement hazard in belt drives.
 Keep hands clear of rotating parts and belts while engine is running.
 Switch off the ignition and remove the key before working on the tractor.



- **4296947M1** ((O) *fig. 1*)

WARNING: Runaway machine and runover hazards.
 Switch off the ignition, remove the ignition key and engage the ParkLock before leaving the tractor.



- **4296951M1** ((Q) *fig. 1*)

– WARNING:

To avoid personal injury, read the Operator's Manual for safety information and operating instructions before operating the tractor.



- **4296953M1** ((D) *fig. 1*)
- **WARNING:** Pinch point hazard

Keep clear of axle suspension system when engine is running. Switch off the ignition and remove the key before working on the tractor.



- **4296955M1** ((J) *fig. 1*)
- WARNING:

Driveline separation hazard, which may result in personal injury and machine damage.

Make sure drawbar / 3-point hitch is in correct position and check length of PTO driveshaft when attaching PTO-driven equipment. See Operation section of manual for detailed information.

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