# **Operator's Manual**

## Combine

FENDT 8300 FENDT 8350 + Auto Level + Rotary Separator



1	Gene	eral Information9
	1.1	Appropriate Use11
	1.2	Preface
	1.3	Product Identification
	1.4	Sectional Drawing and Parts Identification
2	Safe	ty17
_	2.1	General Safety Precautions
	2.2	Attention - Warning Symbols
	2.3	Safety Precautions20
	2.4	Road Transport
	2.5	CE Marking and Type Plate on the Combine23
	2.6	Warning/Instruction decals
	2.7	Position of CE Markings and Type Plate
	2.7	Tosition of CE Markings and Type Flate
3	One	ration, Controls and Cab43
•	3.1	Before Start
	3.2	Operator Cab, Arrangement and Controls
	3.2	Optional Extra
	3.3	Safety Precautions51
	3.4	Starting and Stopping the Engine
	J. <del>T</del>	Starting the engine
		Stopping the engine
	3.5	Drive Controls
		Multi-Function Lever
		Adjustable Armrest,
		Changing Gears,
		Reduced Engine Revolutions in Road Transport (Speed Matching System)
		Steering column         57           Brakes         57
		Adjustment of Operator Seat
		Adjustment of Air-Suspended Seat
		Ladder 59
		Removable Ladder
		Lights
	3.6	Main Light and Work Light,
	3.0	Air-Conditioning
		Using the Air-Conditioning
	3.7	Printer
		Exchanging Paper and Ribbon in Printer
		Inserting the Paper Roll,
		Fitting the Ribbon,
	3.8	Four-Wheel Drive
		Activating Four-Wheel Drive,
		Forward Speed
		Service
	3.9	Other Optional Extra
	0.0	Reversing Camera
		Electrically Adjustable Rearview Mirrors,
4		ration, FIELDSTAR®67
	4.1	Safety Precautions
	4.2	FIELDSTAR®
		Menu Structure and Operation
		Operating FIELDSTAR® on Terminal

	Operating the reminal by Nemote Control in the Multi-runction Level	
	Contrast and Brightness Control.	
	Cleaning the Terminal	
	Data Cards	. 7!
	FIELDSTAR® Menu Structure	. 7!
4.3	Harvest Menu	.77
4.4	Main Menu	
4.5	Monitoring	
	Shaft Speeds	
	Engine Monitoring/Alarm	
	Engine Safety Alarm	. 84
	Information	. 84
	Shaft Speeds	. 8
4.6	Harvesting Data	.87
	Accumulated Machine Data,	
	Trip Data and Field Data,	
	4.6.1 Data Logging in General,	
	Creating a New Field Job	
	Starting a Job	
	Field Map for a Job	
	Data Logging Messages	
	4.6.3 Data Logging Setup	
	Marker Setup	
	Selecting Position Data	
	Setup of Logging Rate	100
	4.6.4 Using Markers	10
4.7	Operator Manual	103
	Harvest Settings	
	Routine Servicina	10:
		100
	FIFI DSTAR®	. 10
1Ω	Routine Servicing	
4.8	Diagnostics	10
4.8	Diagnostics.  Electric. Diagnostics,	10! 10!
4.8	Diagnostics.  Electric. Diagnostics,  Yield Meter.	10! 10! 10!
4.8	Diagnostics.  Electric. Diagnostics,  Yield Meter.  System Information,	10! 10! 10! 10!
4.8	Diagnostics.  Electric. Diagnostics,  Yield Meter.  System Information,  System Setup.	10! 10! 10! 10!
4.8	Diagnostics.  Electric. Diagnostics,  Yield Meter.  System Information,  System Setup.  Programming Computer,	10! 10! 10! 10! 10!
4.8	Diagnostics.  Electric. Diagnostics,  Yield Meter.  System Information,  System Setup.  Programming Computer,  Control,	10! 10! 10! 10! 10! 10!
4.8	Diagnostics.  Electric. Diagnostics,  Yield Meter.  System Information,  System Setup.  Programming Computer,  Control,  GPS Information,	10! 10! 10! 10! 10! 10! 10!
4.8	Diagnostics.  Electric. Diagnostics,  Yield Meter.  System Information,  System Setup.  Programming Computer,  Control,	10! 10! 10! 10! 10! 10! 10!
4.8	Diagnostics.  Electric. Diagnostics,  Yield Meter.  System Information,  System Setup.  Programming Computer,  Control,  GPS Information,	10! 10! 10! 10! 10! 10! 10!
4.8	Diagnostics.  Electric. Diagnostics,  Yield Meter.  System Information,  System Setup.  Programming Computer,  Control,  GPS Information,  DGPS Information,	10! 10! 10! 10! 10! 10! 10! 10!
4.8	Diagnostics.  Electric. Diagnostics,  Yield Meter.  System Information,  System Setup.  Programming Computer,  Control,  GPS Information,  DGPS Information,  Programming  Diagnosis	10! 10! 10! 10! 10! 10! 10! 10!
	Diagnostics.  Electric. Diagnostics,  Yield Meter.  System Information,  System Setup.  Programming Computer,  Control,  GPS Information,  DGPS Information,  Programming  Diagnosis  Screen Calibration (Touch Calibration)	10! 10! 10! 10! 10! 10! 10! 10! 10!
4.8	Diagnostics.  Electric. Diagnostics, Yield Meter System Information, System Setup. Programming Computer, Control, GPS Information, DGPS Information, Programming Diagnosis Screen Calibration (Touch Calibration) Coding,	10! 10! 10! 10! 10! 10! 10! 10! 10!
	Diagnostics.  Electric. Diagnostics, Yield Meter. System Information, System Setup. Programming Computer, Control, GPS Information, DGPS Information, Programming Diagnosis Screen Calibration (Touch Calibration) Coding, Clock Adjustment,	105 105 105 105 105 106 106 106 105 105 115
	Diagnostics.  Electric. Diagnostics, Yield Meter. System Information, System Setup. Programming Computer, Control, GPS Information, DGPS Information, Programming Diagnosis Screen Calibration (Touch Calibration) Coding, Clock Adjustment, Language,	105 105 105 105 105 105 105 105 105 115 11
	Diagnostics.  Electric. Diagnostics, Yield Meter. System Information, System Setup. Programming Computer, Control, GPS Information, DGPS Information, Programming Diagnosis Screen Calibration (Touch Calibration) Coding, Clock Adjustment, Language, Area Measuring	105 105 105 105 105 105 105 105 105 115 11
	Diagnostics.  Electric. Diagnostics, Yield Meter. System Information, System Setup. Programming Computer, Control, GPS Information, DGPS Information, Programming Diagnosis Screen Calibration (Touch Calibration)  Coding, Clock Adjustment, Language, Area Measuring Table Calibration	10! 10! 10! 10! 10! 10! 10! 10! 10! 11: 11: 11:
	Diagnostics.  Electric. Diagnostics, Yield Meter System Information, System Setup Programming Computer, Control, GPS Information, DGPS Information, Programming Diagnosis Screen Calibration (Touch Calibration) Coding, Clock Adjustment, Language, Area Measuring Table Calibration Returns Volume	10! 10! 10! 10! 10! 10! 10! 10! 10! 10!
	Diagnostics.  Electric. Diagnostics, Yield Meter  System Information, System Setup  Programming Computer, Control, GPS Information, DGPS Information, Programming Diagnosis Screen Calibration (Touch Calibration)  Coding, Clock Adjustment, Language, Area Measuring Table Calibration Returns Volume Grain loss monitor.	10! 10! 10! 10! 10! 10! 10! 10! 10! 10!
	Diagnostics.  Electric. Diagnostics, Yield Meter  System Information, System Setup  Programming Computer, Control, GPS Information, DGPS Information, Programming Diagnosis Screen Calibration (Touch Calibration)  Coding, Clock Adjustment, Language, Area Measuring Table Calibration Returns Volume Grain loss monitor. Concave Calibration	1000 1000 1000 1000 1000 1000 1000 100
	Diagnostics  Electric. Diagnostics,  Yield Meter  System Information,  System Setup.  Programming Computer,  Control,  GPS Information,  DGPS Information,  Programming  Diagnosis  Screen Calibration (Touch Calibration)  Coding,  Clock Adjustment,  Language,  Area Measuring  Table Calibration  Returns Volume  Grain loss monitor.  Concave Calibration  Constant Flow.	10! 10! 10! 10! 10! 10! 10! 10! 10! 11! 11
	Diagnostics.  Electric. Diagnostics, Yield Meter  System Information, System Setup. Programming Computer, Control, GPS Information, DGPS Information, Programming Diagnosis Screen Calibration (Touch Calibration) Coding, Clock Adjustment, Language, Area Measuring Table Calibration Returns Volume Grain loss monitor. Concave Calibration Constant Flow. Wheel Track and Auto Level Combine	10! 10! 10! 10! 10! 10! 10! 10! 10! 11: 11: 11: 11: 11: 11:
	Diagnostics  Electric. Diagnostics,  Yield Meter  System Information,  System Setup.  Programming Computer,  Control,  GPS Information,  DGPS Information,  Programming  Diagnosis  Screen Calibration (Touch Calibration)  Coding,  Clock Adjustment,  Language,  Area Measuring  Table Calibration  Returns Volume  Grain loss monitor.  Concave Calibration  Constant Flow.	10! 10! 10! 10! 10! 10! 10! 10! 10! 11: 11: 11: 11: 11: 11:
	Diagnostics.  Electric. Diagnostics, Yield Meter  System Information, System Setup. Programming Computer, Control, GPS Information, DGPS Information, Programming Diagnosis Screen Calibration (Touch Calibration) Coding, Clock Adjustment, Language, Area Measuring Table Calibration Returns Volume Grain loss monitor. Concave Calibration Constant Flow. Wheel Track and Auto Level Combine	10! 10! 10! 10! 10! 10! 10! 10! 10! 11: 11: 11: 11: 11: 11: 11: 11: 11: 11
	Diagnostics.  Electric. Diagnostics, Yield Meter. System Information, System Setup. Programming Computer, Control, GPS Information, DGPS Information, Programming Diagnosis Screen Calibration (Touch Calibration) Coding, Clock Adjustment, Language, Area Measuring Table Calibration Returns Volume Grain loss monitor. Concave Calibration Constant Flow. Wheel Track and Auto Level Combine Coding of Electrical Straw Deflectors	10! 10! 10! 10! 10! 10! 10! 10! 10! 11: 11: 11: 11: 11: 11: 11: 11: 11: 11
	Diagnostics.  Electric. Diagnostics,  Yield Meter  System Information,  System Setup  Programming Computer,  Control,  GPS Information,  DGPS Information,  Programming  Diagnosis  Screen Calibration (Touch Calibration)  Coding,  Clock Adjustment,  Language,  Area Measuring  Table Calibration  Returns Volume  Grain loss monitor.  Concave Calibration  Concave Calibration  Concave Calibration  Constant Flow  Wheel Track and Auto Level Combine  Coding of Electrical Straw Deflectors  Straw chopper vibrations	10! 10! 10! 10! 10! 10! 10! 10! 10! 11: 11: 11: 11: 11: 11: 11: 11: 11: 11
4.9	Diagnostics  Electric. Diagnostics,  Yield Meter  System Information,  System Setup.  Programming Computer,  Control,  GPS Information,  DGPS Information,  Programming  Diagnosis  Screen Calibration (Touch Calibration)  Coding,  Clock Adjustment,  Language,  Area Measuring  Table Calibration  Returns Volume  Grain loss monitor.  Concave Calibration  Constant Flow.  Wheel Track and Auto Level Combine  Coding of Electrical Straw Deflectors.  Straw chopper vibrations  Lead Time and Lag Time  Calibration of Actuator for Electrical Sieves	10! 10! 10! 10! 10! 10! 10! 10! 10! 10!
	Diagnostics  Electric. Diagnostics, Yield Meter System Information, System Setup. Programming Computer, Control, GPS Information, DGPS Information, Programming Diagnosis Screen Calibration (Touch Calibration) Coding, Clock Adjustment, Language, Area Measuring Table Calibration Returns Volume Grain loss monitor. Concave Calibration Constant Flow. Wheel Track and Auto Level Combine Coding of Electrical Straw Deflectors Straw chopper vibrations Lead Time and Lag Time Calibration of Actuator for Electrical Sieves Settings.	1000 1000 1000 1000 1000 1000 1000 100
4.9	Diagnostics  Electric. Diagnostics,  Yield Meter  System Information,  System Setup.  Programming Computer,  Control,  GPS Information,  DGPS Information,  Programming  Diagnosis  Screen Calibration (Touch Calibration)  Coding,  Clock Adjustment,  Language,  Area Measuring  Table Calibration  Returns Volume  Grain loss monitor.  Concave Calibration  Constant Flow.  Wheel Track and Auto Level Combine  Coding of Electrical Straw Deflectors.  Straw chopper vibrations  Lead Time and Lag Time  Calibration of Actuator for Electrical Sieves	1000 1000 1000 1000 1000 1000 1000 100

		Machine Settings,	
	4.11	Returns Volume Monitor	
	4.40	Coding,	
	4.12	Grain Loss Monitoring	
		Sensors	
	4.13	Adjustment of Grain Loss Sensors, Shaft Alarm Calibration. Shaft Alarm Calibration.	
	4.14	Straw Chopper Vibrations	
	4.15	Coding Yield Meter	
	4.15	4.15.1 Yield meter (Isotopic)	
		Measuring Principle	
		Mass Flow Measuring	
		Yield Meter Status	
		Using the Yield Meter	
		Calibration of Yield Meter	
		4.15.2 Micro-Trak Yield Meter	
		Measuring Principle	
		Zero Point for Micro-Trak Yield Meter	
		Slope Compensation for Micro-Trak Yield Meter	
		4.15.3 Yield Meter Calibration.	
	4.16	Moisture Meter	
		Continuous Moisture Measuring	
		Measuring Principle	
		Using the Moisture Meter	136
		Cleaning the Moisture Meter	
	4 4 -	Calibration of Moisture Meter.	
	4.17	Cutting Height Control	
		Cutting Height Control Setting and Operation	
	4.18	Coding of TableField Pressure Control	
	4.10	Field Pressure Control Setting and Operation	
	4.19	Auto Level Table	
	4.15	Bleeding	
		Coding of Auto Level Table.	
		Calibration of Table Angle	
	4.20	Operation of Auto Level Table	146
		Manual Control	
		Levelling at Turns	
	4.21	Interaction Between Table Controls	
	4.22	Checking and Adjusting the Ground Sensors	
	4.23	Constant Flow	
		Start-up and Adjustment of Constant Flow	
		Constant Flow Engagement	15
5	Onor	ation, Auto Level Combine1	<b>5</b> :
5	5.1	Safety Precautions	
	5.1	Safety System	
	5.2	Combinations.	
	J.Z	Selecting Combination	
	5.3	Auto Level Combine	
	0.0	Manual Control of Auto Level Combine	
	5.4	Auto Level Combine/Table	
		Combine	
		Transport,	
		Auto Level table	
	5.5	Calibration of Auto Level Combine	161

	5.6	Errors during Calibration	. 162
	<b>-</b> -	Zero Cutting Height	
	5.7	Attachment/Removal of Table	
	5.8	Operation of Auto Level Combine/Auto Level Table	
		Combinations	
	5.9	Safety System, Auto Level	
	5.5	Automatic Control of the Tilt Sensor Function	
		Safety System	
		Hose Breach Protection for Auto Level Hydraulics.	16
	5.10	Troubleshooting	
	0110	Mechanical Connections.	
		Checking Sensor Adjustment and Inclinometer	
		Machine Not Levelling Correctly	
	5.11	Servicing and User Tips	.170
		Retrofit of New FIELDSTAR <sup>®</sup> Auto Level Job Computer and Sensors	. 170
		Unintentional Use of Manual Keys in Automatic Mode	
		Diagnostics - Auto Level Combine Functions and Sensors	. 170
6	Engi	ne	<b>17</b> 1
	6.1	Safety Precautions	.173
	6.2	Engine Types	
	6.3	Air-Intake	
	0.0	Filter System	
	6.4	Cooling System	
	•	Rotary Screen and Dust Aspirator	
		Coolers	
		Coolant	
		Checking the Fan Belt Tension	
	6.5	Fuel System	. 177
		Filter change	. 178
	6.6	Engine Oil/Change	. 179
		Oil and Filter Change	. 179
	6.7	Cleaning the Engine Compartment	. 179
	6.8	Electronic Engine Management	.180
	6.9	Engine Trouble Shooting	.180
		EEM3 Electronic Engine Management - Failure Codes (Self-Diagnosis)	
7	Cutt	ing Tables	183
	7.1	Safety Precautions	185
	7.2	Attachment of Table, Standard and Auto Level	
	7.2	Alignment of Table	
	7.3	Removal of Table.	
	7.5	Table Trailer	
		Attachment of Combine and Trailer	
		Supports	
	7.4	Reel	
		Reel Adjustment Up/Down, Fore/Aft	
		Bleeding	
		Reel Rotation	
		Reel Tine Bars	. 19
		Adjustment of Reel in the Table	
	7.5	Knife	. 192
		Knife and Knife Drive	
		Knife Adjustment	
	7.6	Feeding	. 193

		Table Auger.	
		Cut-Off Strip	
		Replacement of Feathering Fingers	193
		Auger Flight Extensions, 20-22-25-30' Tables	193
		Reversing	194
	7.7	Transmission	
		PowerFlow Table, Knife Drive and Table Auger	
		Slip Clutch for Table Auger	
	7.0		
	7.8	PowerFlow Table	
		Inspection and Start-Up of PowerFlow Belts	
		Adjustment of Belts	
		Front Scrapers	
		Rear Scrapers and Adjustment of Bearing Housings	197
		Table Bottom	197
		Cleaning	198
	7.9	Crop Lifters	198
		Using Crop Lifters	
	7.10	Vertical Knives, Rape Auger and Straw Dividers	
	7.10		
		Vertical Knife	
		Mounting of Vertical Knife	
		Rape Auger	
		Torpedo Divider and Straw Divider Bow	
		Mounting of Straw Dividers	
		Adjustment of Torpedo Divider	
	7.11	Fixed Table Auger Fingers	201
		Using Fixed Table Auger Fingers	
		High Table Sides	
	7.12	Main crop elevator	
	,	Crop Elevator Chain	
		Transmission for Table	
		1141131111331011101 14016	
		Ctone Trop	
		Stone Trap	202
		Stone Trap	202
_		Initial Adjustment of Cutting Height Indication	202
8	Opei	Initial Adjustment of Cutting Height Indicationration of Machine and Cutting Table	202 203
8	<b>Ope</b> i 8.1	Initial Adjustment of Cutting Height Indicationration of Machine and Cutting Table	202 203
8	8.1	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions	202 203 205
8		Initial Adjustment of Cutting Height Indication	202 203 205 207
8	8.1	Initial Adjustment of Cutting Height Indication	202 203 205 207 208
8	8.1	Initial Adjustment of Cutting Height Indication	202 203 205 208 208 208
8	8.1	Initial Adjustment of Cutting Height Indication	202 203 205 207 208 208 208 208
8	8.1	Initial Adjustment of Cutting Height Indication.  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.	202 203 205 207 208 208 208 209 209
8	8.1	Initial Adjustment of Cutting Height Indication.  ration of Machine and Cutting Table Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control. Cutting Height Control. Field Pressure Control. Preset Cutting Height. Auto Level Table.	202 203 205 207 208 208 208 209 210
8	8.1	Initial Adjustment of Cutting Height Indication.  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop.	202 203 205 207 208 208 208 209 210 211
8	8.1 8.2	Initial Adjustment of Cutting Height Indication.  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop.  Slip Clutch.	202 203 205 207 208 208 208 209 210 211
8	8.1	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop  Slip Clutch.  Threshing Unit Transmission.	202 203 205 207 208 208 209 209 210 211 212
8	8.1 8.2	Initial Adjustment of Cutting Height Indication.  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop.  Slip Clutch.	202 203 205 207 208 208 209 209 210 211 212
8	8.1 8.2	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop  Slip Clutch.  Threshing Unit Transmission.	202 203 205 207 208 208 209 210 211 212
8	8.1 8.2	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop.  Slip Clutch.  Threshing Unit Transmission.  Threshing Unit Engagement.	202 203 205 207 208 208 209 210 211 212 212
8	8.1 8.2	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop.  Slip Clutch.  Threshing Unit Transmission.  Threshing Unit Engagement.  Cylinder Variator.  Turning Tool for Cylinder.	202 203 205 207 208 208 209 210 211 212 212 213
8	8.1 8.2 8.3	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop.  Slip Clutch.  Threshing Unit Transmission.  Threshing Unit Engagement.  Cylinder Variator.  Turning Tool for Cylinder.  Concave Setting, Electrically Adjustable.	202 203 205 207 208 208 209 210 211 212 212 213 214
8	8.1 8.2 8.3	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop.  Slip Clutch.  Threshing Unit Transmission.  Threshing Unit Engagement.  Cylinder Variator.  Turning Tool for Cylinder.  Concave Setting, Electrically Adjustable.  Operation of Concave.	202203205207208208209210211212212213214
8	8.1 8.2 8.3	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop.  Slip Clutch.  Threshing Unit Transmission.  Threshing Unit Engagement.  Cylinder Variator.  Turning Tool for Cylinder.  Concave Setting, Electrically Adjustable.  Operation of Concave.  Concave Setting.	202203205207208208209210211212212213214
8	8.1 8.2 8.3	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop.  Slip Clutch.  Threshing Unit Transmission.  Threshing Unit Engagement.  Cylinder Variator.  Turning Tool for Cylinder.  Concave Setting, Electrically Adjustable.  Operation of Concave.  Concave Setting.  Threshing.	202203205207208208209210211211212213214214
8	8.1 8.2 8.3	Initial Adjustment of Cutting Height Indication.  ration of Machine and Cutting Table Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control. Cutting Height Control Field Pressure Control Preset Cutting Height Auto Level Table. Table Engagement - Emergency Stop Slip Clutch. Threshing Unit Transmission Threshing Unit Engagement Cylinder Variator. Turning Tool for Cylinder. Concave Setting, Electrically Adjustable Operation of Concave. Concave Setting Threshing Concave Filler Plates.	202 203 205 208 208 208 209 210 211 211 212 214 214 214 216 216
8	8.1 8.2 8.3	Initial Adjustment of Cutting Height Indication.  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control  Field Pressure Control  Preset Cutting Height  Auto Level Table.  Table Engagement - Emergency Stop  Slip Clutch.  Threshing Unit Transmission  Threshing Unit Engagement.  Cylinder Variator.  Turning Tool for Cylinder.  Concave Setting, Electrically Adjustable  Operation of Concave.  Concave Setting.  Threshing  Concave Filler Plates.  Straw Walkers	202203205207208208209210211211212213214214214216
8	8.1 8.2 8.3 8.4 8.5	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control  Field Pressure Control  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop  Slip Clutch.  Threshing Unit Transmission  Threshing Unit Engagement.  Cylinder Variator  Turning Tool for Cylinder.  Concave Setting, Electrically Adjustable.  Operation of Concave.  Concave Setting.  Threshing  Concave Filler Plates.  Straw Walkers  Rear Beater Curtain	202203205208208208209210211212212214214214216216
8	8.1 8.2 8.3	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control.  Field Pressure Control.  Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop.  Slip Clutch.  Threshing Unit Transmission.  Threshing Unit Engagement.  Cylinder Variator.  Turning Tool for Cylinder.  Concave Setting, Electrically Adjustable.  Operation of Concave.  Concave Setting.  Threshing.  Concave Filler Plates.  Straw Walkers.  Rear Beater Curtain.  Straw Chopper and Spreader Hood.	202 203 205 207 208 208 209 210 211 211 212 214 214 216 216 217 218
8	8.1 8.2 8.3 8.4 8.5	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control Field Pressure Control  Preset Cutting Height  Auto Level Table.  Table Engagement - Emergency Stop Slip Clutch.  Threshing Unit Transmission  Threshing Unit Engagement.  Cylinder Variator  Turning Tool for Cylinder.  Concave Setting, Electrically Adjustable  Operation of Concave  Concave Setting  Threshing  Concave Filler Plates  Straw Walkers  Rear Beater Curtain  Straw Chopper and Spreader Hood  Straw Chopper	202 203 205 207 208 208 209 210 211 211 212 214 214 216 216 217 218
8	8.1 8.2 8.3 8.4 8.5	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control Field Pressure Control Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop Slip Clutch.  Threshing Unit Transmission Threshing Unit Engagement.  Cylinder Variator.  Turning Tool for Cylinder.  Concave Setting, Electrically Adjustable.  Operation of Concave.  Concave Filler Plates.  Straw Walkers Rear Beater Curtain  Straw Chopper and Spreader Hood.  Straw chopper  Adjustment of Spreader Hood.	202 203 205 207 208 208 209 210 211 211 212 214 214 216 216 217 218 218 218
8	8.1 8.2 8.3 8.4 8.5	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control Field Pressure Control  Preset Cutting Height  Auto Level Table.  Table Engagement - Emergency Stop Slip Clutch.  Threshing Unit Transmission  Threshing Unit Engagement.  Cylinder Variator  Turning Tool for Cylinder.  Concave Setting, Electrically Adjustable  Operation of Concave  Concave Setting  Threshing  Concave Filler Plates  Straw Walkers  Rear Beater Curtain  Straw Chopper and Spreader Hood  Straw Chopper	202 203 205 207 208 208 209 210 211 211 212 214 214 216 216 217 218 218 218
8	8.1 8.2 8.3 8.4 8.5	Initial Adjustment of Cutting Height Indication  ration of Machine and Cutting Table  Safety Precautions.  Operation of Table.  Table Height and Table Automatic Control.  Cutting Height Control Field Pressure Control Preset Cutting Height.  Auto Level Table.  Table Engagement - Emergency Stop Slip Clutch.  Threshing Unit Transmission Threshing Unit Engagement.  Cylinder Variator.  Turning Tool for Cylinder.  Concave Setting, Electrically Adjustable.  Operation of Concave.  Concave Filler Plates.  Straw Walkers Rear Beater Curtain  Straw Chopper and Spreader Hood.  Straw chopper  Adjustment of Spreader Hood.	202 203 205 207 208 208 209 210 211 211 212 214 214 214 216 216 217 218 218 218 218 218

	8.7	Fanning Mill and Sieves	222
		Fanning Mill	222
		Shaker Shoe	
		Shaker Shoe with Electrical Sieves.	
		Manual Adjustment of Sieves	
		Cleaning of Sieves and Main Grain Pan	
		Cleaning the Sieves	
		Shaker Shoe Light	
		Special Sieves	
	8.8	Internal Grain Transport	
		Auger Housing/Elevators	
		Returns Thresher	
		Tank Filling Auger	
		Grain Tank	
		Unloading Auger	
		Unloading Auger Clutch	
	0.0	Unloading Tube	
	8.9	Rotary Separator	
		Change of Rotor Revolutions	
	0.40	Concave Setting	
	8.10	Straw hood	
		Alarm switch for straw hood blocked	
		Blockage in straw hood	
	8.11	Chaff Spreader	
		Setting	
	8.12	Maize Threshing	
		Attachment of Maize Header	
		Area measuring	
		Main crop elevator	
		Concave/Cylinder/Stone Trap	
		Concave/Initial Settings	
		Threshing cylinder	
		Rotary separator	
		Shaker Shoe	
		Straw walkers	
		Bottom Auger Cover Plate	
		Scrapers	
		Rear Beater Curtain	
		Straw chopper	
	8.13	Suggested Harvest Settings	
	8.14	Threshing	
	0.14	Till 65illing	240
_	T		244
9		smissions	241
	9.1	Safety Precautions	
	9.2	Adjustment of Transmissions	244
		General	244
		Threshing Unit Clutch	
		Hydrostatic Transmission	
	9.3	Transmissions	
		Rear Beater	
		Main Crop Elevator and Table	
		Straw chopper	
		Threshing cylinder	
		Unloading Auger	
		Shaker Shoe and Chaff Spreader Counter Drive, and Straw Walker Drive.	
		Filling and Returns System Countershaft,	
		Returns Elevator and Returns Thresher	
		Tank I ming Lievalul and Tank I ming Auger	∠40

		Dust aspirator	
		Rotary screen	
		Fanning Mill	
		Rotary Separator	
		Air-conditioning	
	9.4	Transmission Diagram, Left-Hand Side	
	9.5	Transmission Diagram, Right-Hand Side	
	3.3	Transmission Diagram, mgm:-nand Side	2 3 0
10	Hydr	aulics	. 259
	10.1	Safety Precautions	261
	10.2	Hydraulic System, Standard Combine	. 262
		Hydrostatic Transmission	
	10.3	Hydraulic System, Four-Wheel Drive	
		Hydrostatic Transmission	
	10.4	Oil Change	264
		Draining Oil	
		Refilling Oil	
	10.5	Filter Change	
		Return Oil Filter	
		Storage of Hydraulic System	
	10.6	Auxiliary Hydraulics	
		Functions and Auxiliary Hydraulics	
	40.7	Reel Adjustment Fore/Aft - Up/down	
	10.7	Hydraulics Diagram, Standard Combine	
	10.8	Hydraulics Diagram, Auto Level Combine	
	10.9	Hydraulics Diagram for Chaff Spreader	272
44	N/1~:	*********	272
11		Sofoty Propositions	
11	11.1	Safety Precautions	275
11		Safety Precautions	275 277
11	11.1 11.2	Safety Precautions	. 275 . 277 . 277
11	11.1 11.2 11.3	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure	275 277 277 278
11	11.1 11.2 11.3	Safety Precautions Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart	275 277 278 280
11	11.1 11.2 11.3	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red).	275 277 278 280 280
11	11.1 11.2 11.3	Safety Precautions Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue)	. 275 . 277 . 278 . 280 . 280
11	11.1 11.2 11.3	Safety Precautions Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow)	275 277 277 278 280 280 280
11	11.1 11.2 11.3	Safety Precautions Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow) 200 hours (white)	275 277 278 280 280 280 280
11	11.1 11.2 11.3	Safety Precautions Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow) 200 hours (white)	275 277 278 280 280 280 281 282
11	11.1 11.2 11.3	Safety Precautions Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow) 200 hours (white) 11.4.1 Lubrication Chart	275 277 278 280 280 280 281 282 284
11	11.1 11.2 11.3 11.4	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow) 200 hours (white) 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine	
11	11.1 11.2 11.3 11.4	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow) 200 hours (white) 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine Lubricants and Operating Fluids Maintenance Required	
11	11.1 11.2 11.3 11.4 11.5 11.6	Safety Precautions Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow) 200 hours (white) 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine Lubricants and Operating Fluids	
11	11.1 11.2 11.3 11.4 11.5 11.6	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow) 200 hours (white) 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine Lubricants and Operating Fluids Maintenance Required Gear Oil Change.	
11	11.1 11.2 11.3 11.4 11.5 11.6	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow) 200 hours (white) 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine Lubricants and Operating Fluids Maintenance Required Gear Oil Change. Gearbox	
11	11.1 11.2 11.3 11.4 11.5 11.6 11.7	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue). 100 hours (yellow). 200 hours (white). 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine. Lubricants and Operating Fluids Maintenance Required Gear Oil Change. Gearbox Final Drives. Air-Conditioning Diagram for air-conditioning	
11	11.1 11.2 11.3 11.4 11.5 11.6 11.7	Safety Precautions Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue). 100 hours (yellow). 200 hours (white). 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine Lubricants and Operating Fluids Maintenance Required Gear Oil Change. Gearbox Final Drives. Air-Conditioning Diagram for air-conditioning Maintenance	
11	11.1 11.2 11.3 11.4 11.5 11.6 11.7	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue). 100 hours (yellow). 200 hours (white). 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine Lubricants and Operating Fluids Maintenance Required Gear Oil Change. Gearbox Final Drives. Air-Conditioning Diagram for air-conditioning Maintenance Cleaning and Off-Season Storage	
11	11.1 11.2 11.3 11.4 11.5 11.6 11.7	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow) 200 hours (white) 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine Lubricants and Operating Fluids Maintenance Required Gear Oil Change. Gearbox Final Drives Air-Conditioning Diagram for air-conditioning Maintenance Cleaning and Off-Season Storage Cleaning	
11	11.1 11.2 11.3 11.4 11.5 11.6 11.7	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart. Daily/10 Hours (Red). 50 hours (blue). 100 hours (yellow). 200 hours (white). 11.4.1 Lubrication Chart. 11.4.2 Lubrication Points, Auto Level Combine. Lubricants and Operating Fluids. Maintenance Required. Gear Oil Change. Gearbox Final Drives. Air-Conditioning. Diagram for air-conditioning. Maintenance. Cleaning and Off-Season Storage. Cleaning. Off-season storage.	
11	11.1 11.2 11.3 11.4 11.5 11.6 11.7	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow) 200 hours (white) 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine Lubricants and Operating Fluids Maintenance Required Gear Oil Change. Gearbox Final Drives Air-Conditioning Diagram for air-conditioning Maintenance Cleaning and Off-Season Storage Cleaning Off-season storage Storage of Engine, Fuel System and Hydraulic System	
11	11.1 11.2 11.3 11.4 11.5 11.6 11.7	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow). 200 hours (white) 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine Lubricants and Operating Fluids Maintenance Required Gear Oil Change. Gearbox Final Drives. Air-Conditioning Diagram for air-conditioning. Maintenance Cleaning and Off-Season Storage Cleaning Off-season storage Storage of Engine, Fuel System and Hydraulic System Periodical Start-Up	. 275 . 277 . 278 . 280 . 280 . 280 . 281 . 282 . 284 . 285 . 288 . 288 . 288 . 288 . 288 . 288 . 289 . 290 . 291 . 292 . 292
11	11.1 11.2 11.3 11.4 11.5 11.6 11.7	Safety Precautions Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow) 200 hours (white) 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine Lubricants and Operating Fluids Maintenance Required Gear Oil Change. Gearbox Final Drives Air-Conditioning Diagram for air-conditioning Maintenance Cleaning and Off-Season Storage Cleaning Off-season storage Storage of Engine, Fuel System and Hydraulic System Periodical Start-Up Removal of Main Crop Elevator	. 275 . 277 . 278 . 280 . 280 . 280 . 281 . 282 . 284 . 288 . 288 . 288 . 288 . 289 . 290 . 291 . 292 . 292 . 293
11	11.1 11.2 11.3 11.4 11.5 11.6 11.7	Safety Precautions. Undercarriage Wheel Nut Torques. Tyre Pressure Lubrication Chart Daily/10 Hours (Red). 50 hours (blue) 100 hours (yellow). 200 hours (white) 11.4.1 Lubrication Chart 11.4.2 Lubrication Points, Auto Level Combine Lubricants and Operating Fluids Maintenance Required Gear Oil Change. Gearbox Final Drives. Air-Conditioning Diagram for air-conditioning. Maintenance Cleaning and Off-Season Storage Cleaning Off-season storage Storage of Engine, Fuel System and Hydraulic System Periodical Start-Up	. 275 . 277 . 278 . 280 . 280 . 280 . 281 . 282 . 284 . 288 . 288 . 288 . 288 . 288 . 289 . 290 . 291 . 292 . 293 . 293 . 293

		Adjustment of Foot Brakes, Disc Brakes	
	4444	Adjustment of Parking Brake, Drum Brake	
	77.77	Dealer Servicing Schedule for FENDT Combine Range	295
12	Elec	trical System	301
	12.1	Safety Precautions	
	12.2	Electrical System	
		Charging System	
		Electric Boxes and Main Switch	304
	12.3	External 12V connectors	305
	12.4	Electro-Hydraulic System	307
		Hydraulic safety	307
	12.5	Key to Signatures for Wiring Harness	308
		Wire Codes	308
		Component Codes	
	12.6	Position of Connectors in Electric Box	
	12.7	Fuses and Relays, Electric Box and Cab	310
	12.8	Key to Symbols	312
	12.9	Fuses, Alphabetical	313
	12.10	Fuse Ratings	314
		W-Connecting Points	
		Diagrams survey	
		Bigrams	
		- Diagramo	
13	Spec	eifications	365
		Dimensions and Specifications	
		·	
14	Inde	v	369

1.1	Appropriate Use	.11
	Preface	
1.3	Product Identification	.13
1.4	Sectional Drawing and Parts Identification	.14

### 1.1 Appropriate Use



This self-propelled combine harvester is manufactured exclusively for usual agricultural purposes (appropriate use).

Any other use is considered as being contrary to the appropriate use. AGCO declines all liability in cases of physical damage or injuries resulting from non-appropriate use. The risk lies exclusively with the user.

The conformity and strict adherence to the operating, maintenance and repair requirements specified by AGCO are also essential factors for appropriate use.

This self-propelled combine harvester may be used, serviced and repaired only by personnel having full knowledge of its specific features and who are aware of the danger involved and the applicable safety rules (prevention of accidents).

It is the responsibility of the owner/user to ensure that prescribed safety precautions and other general technical, health and safety and road-safety rules are observed.

AGCO disclaims all liability to any claim resulting from the fitting of non-approved parts or accessories or unauthorised modification or alteration.

Customers are strongly recommended to contact an AGCO dealer in the event of after-sale problems and for any adjustments that may be necessary.

In accordance with the Company's policy of continuous improvements to its products, alterations in the specifications may be made at any time without notice.

The Company accepts no responsibility for any discrepancies which may occur between the specifications of its machines and the descriptions thereof contained in its publications.

This machine has been designed and produced in conformity with the machine directive 98/37/EF. An EU declaration of conformity is supplied with the machine.

This machine has been tested according to the

#### EEC directive 77/311/EEC and ISO 5131-1982

Noise level: FENDT 8300 RS = 78 dB (A) Noise level: FENDT 8350 RS = 78 dB (A)

### 1.2 Preface

#### This Manual

The purpose of this manual is to enable the owner/operator to handle and maintain the combine efficiently. Time spent in becoming familiar with the Operator's Manual now will save time in the field.

Wide variations in operation conditions make it impossible for the Company to make comprehensive or definite statements in its publications concerning performance and the use of its machines, or to accept liability for any damage which may result from errors or omissions.

The specifications and illustrations contained in this manual pertain to combines manufactured for specific countries. Due to differing laws and requirements in various countries, some apparent discrepancies may result between any particular combine and those depicted in this manual. Some accessories and optional equipment appearing in this manual are not necessarily available in all territories.

#### **AGCO** service

During the warranty period, all maintenance and repair work must be carried out by the AGCO dealer who will carefully carry out detailed checks of the progress and performance of the new combine.

To obtain best results from an AGCO combine, it is important to continue regular servicing and periodical inspection after the warranty has expired. All major overhaul work on the combine must be carried out by a local AGCO dealer; an experienced technician will detect any problems which may arise between two overhauls.

Mechanical staff regularly follow training courses to update their knowledge of the product, maintenance and repair techniques and the use of special modern tools and equipment for troubleshooting. They receive regular Service Bulletins and have access to all the workshop manuals and technical publications required to carry out repairs or maintenance meeting the quality standards required by AGCO.

#### Warning concerning spare parts

Parts other than original AGCO parts are likely to be of lower quality. AGCO disclaims all liability in the event of loss or damage arising as a result of such parts being fitted. The manufacturer's warranty may also become void, if such parts are fitted during the normal warranty period.

### Warranty, pre-delivery check and installation

The Company, when selling new goods to its Distributors, gives a warranty which, subject to certain conditions, guarantees that the goods are free from defects in material and workmanship. The Company's Distributors and Dealers are required to give the benefit of a similar warranty to the first retail purchaser of all new goods supplied by the Company, and users should inquire of the Distributor or Dealer from whom they purchase as to the terms of the warranty made available to them.

Before delivering a new combine to the Customer's premises, it is the responsibility of the Distributor to conduct a predelivery check of the machine. This consists of a series of detailed inspections, adjustments and functional checks, which should ensure that when received by the Customer the combine is ready to start work immediately.

Upon delivery the Distributor is required to instruct the Customer in the basic principles and operating procedures of the combine. This is termed Combine Installation, which should include instruction on controls and instruments, field settings, maintenance requirements, safety precautions and winter storage, and should preferably be undertaken in the presence of all who will be concerned with the operation and maintenance of the machine.

This manual is published for World wide distribution, and the availability of equipment shown either as basic or accessory varies according to the territory in which the combine is to be used. Details of equipment available in your area can be obtained from your AGCO Distributor/Dealer.

### 1.3 Product Identification

Always quote combine model and serial number in any communication to your Distributor/Dealer.

Keep this manual safely for convenient reference.

Combine model: FENDT	
Serial number:	



Fig. 1





Fig. 2

Engine type:

Serial number:

Owner's name:

Address:

Installation date:

Dealer's name:

Address:

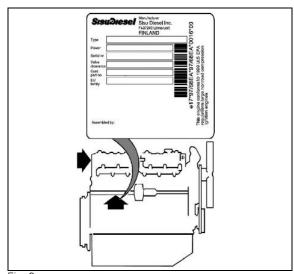


Fig. 3

Thank you so much for reading.

Please click the "Buy Now!"

button below to download the complete manual.



After you pay.

You can download the most perfect and complete manual in the world immediately.

Our support email: ebooklibonline@outlook.com