

# Operator's Manual

**FENDT**

## Combines FENDT 5185 E

*FENDT 5185 E - S/N => ZN205512\_03010001*



### Breganze

AGCO S.p.A. - Via F. Laverda, 15/17 - 36042

BREGANZE (VI) – Italy.

FENDT is a worldwide brand of AGCO

© AGCO 2018

Original Operator's Manual

July 2018

FENDT 5185 E\_EN\_LA327435013

EME

English

# Combines

<b>1 General Information</b>	13
<b>1.1 Information</b>	15
1.1.1 Introduction	15
1.1.2 Company policy	15
1.1.3 Optional equipment	15
1.1.4 Spare parts and accessories	16
1.1.5 Warranty	16
1.1.6 Lubricants	16
<b>1.2 Use</b>	18
1.2.1 Use of the combine	18
<b>1.3 Identification</b>	19
1.3.1 Combine identification	19
1.3.2 Engine Identification	20
1.3.3 Cutting table identification	21
1.3.4 Cab identification	21
1.3.5 Hydrostatic pump identification	22
1.3.6 Hydrostatic motor identification	22
1.3.7 Straw chopper identification (if fitted)	23
1.3.8 Chaff spreader identification (if fitted)	23
1.3.9 Trailer hitch identification (if fitted)	24
<b>1.4 Identification form</b>	25
1.4.1 Machine data	25
<b>1.5 Conformity</b>	26
1.5.1 EC Declaration of Conformity	26
<b>1.6 Information</b>	28
1.6.1 Ecology	28
1.6.2 Hydraulic systems: hoses	28
1.6.3 Scrapping and disposal	29
<b>1.7 Weight</b>	30
1.7.1 Weight distribution	30
<b>2 Safety</b>	33
<b>2.1 Warning symbols and safety instructions</b>	35
2.1.1 Warnings	35
<b>2.2 Information for road transport</b>	36
2.2.1 Road transport	36
<b>2.3 Information for operations</b>	39
2.3.1 Field Operations	39
<b>2.4 Information for maintenance</b>	43
2.4.1 Maintenance work	43
<b>2.5 Information on the engine</b>	47
2.5.1 Engine	47
<b>2.6 Safety and function decals</b>	50
2.6.1 Location of decals	50
2.6.2 Description of decals	54
<b>2.7 Work on the battery</b>	64
2.7.1 Battery	64
<b>2.8 Safety devices</b>	65
2.8.1 Emergency exit	65

2.8.2	Operator presence device . . . . .	66
2.8.3	Safety belts . . . . .	67
2.8.4	Table safety stops . . . . .	68
2.8.5	Safety guard for main crop elevator . . . . .	69
2.8.6	Safety Stop . . . . .	69
2.8.7	Sprags for wheels . . . . .	70
2.8.8	Audible alarm for reversing . . . . .	71
2.8.9	Reflectors for road transport . . . . .	72
2.8.10	Safety Guards . . . . .	73
2.8.11	Fall protection rails . . . . .	73
2.8.12	Safety devices for operations to be carried out in the upper part of the machine . . . . .	74
2.8.13	Straw chopper . . . . .	75
2.8.14	Fire extinguisher . . . . .	75
<b>2.9</b>	<b>Trailer hitch . . . . .</b>	<b>76</b>
2.9.1	Automatic towing hooks . . . . .	76
2.9.2	CUNA and CE trailer hitches . . . . .	77
2.9.2.1	Procedure for attaching and removing . . . . .	78
2.9.2.2	Drawbar coupling . . . . .	79
2.9.3	Fixed trailer hitch (non-automatic - CUNA type) . . . . .	79
<b>2.10</b>	<b>Machine lifting . . . . .</b>	<b>80</b>
2.10.1	Attachment points . . . . .	80
<b>2.11</b>	<b>Towing . . . . .</b>	<b>81</b>
2.11.1	Towing the combine . . . . .	81
<b>2.12</b>	<b>Further information . . . . .</b>	<b>82</b>
2.12.1	Noise level in the cab . . . . .	82
2.12.2	Vibrations in the cab . . . . .	82
2.12.3	Statutory regulations . . . . .	82
2.12.4	Electromagnetic emissions . . . . .	83
<b>2.13</b>	<b>Notes . . . . .</b>	<b>84</b>
2.13.1	Notes for road transport . . . . .	84
<b>3</b>	<b>Operation . . . . .</b>	<b>87</b>
<b>3.1</b>	<b>Combine operation . . . . .</b>	<b>89</b>
3.1.1	Crop processing . . . . .	89
<b>3.2</b>	<b>Stage 1 . . . . .</b>	<b>90</b>
3.2.1	Feeding . . . . .	90
<b>3.3</b>	<b>Stage 2 . . . . .</b>	<b>91</b>
3.3.1	Threshing . . . . .	91
<b>3.4</b>	<b>Stage 3 . . . . .</b>	<b>92</b>
3.4.1	Separation . . . . .	92
<b>3.5</b>	<b>Stage 4 . . . . .</b>	<b>93</b>
3.5.1	Cleaning . . . . .	93
<b>3.6</b>	<b>Stage 5 . . . . .</b>	<b>94</b>
3.6.1	Grain storage and unloading . . . . .	94
<b>4</b>	<b>Controls and Instruments . . . . .</b>	<b>95</b>
<b>4.1</b>	<b>Steering column . . . . .</b>	<b>97</b>
4.1.1	Components and adjustments . . . . .	97
<b>4.2</b>	<b>Multifunction lever . . . . .</b>	<b>98</b>
4.2.1	Main components . . . . .	98
<b>4.3</b>	<b>Instrument panel . . . . .</b>	<b>99</b>
4.3.1	Front control panel . . . . .	99
4.3.2	Rear control panel . . . . .	101
4.3.3	Multiple light indicators . . . . .	105
4.3.4	On-board Computer . . . . .	106

4.3.4.1	Graphical user interface . . . . .	108
4.3.4.2	Day/night mode . . . . .	110
4.3.4.3	Operational parameters . . . . .	111
4.3.4.4	Auto-calibration . . . . .	111
4.3.4.5	Hectare counter . . . . .	112
4.3.4.6	No communication . . . . .	112
4.3.4.7	Alarm statuses . . . . .	113
4.3.5	Performance monitor (on request) . . . . .	113
4.3.5.1	Using the monitor . . . . .	114
4.3.5.2	Selecting the measurement range (straw walker, sieves or total) . . . . .	114
4.3.5.3	Calibrating the bar cursor scale . . . . .	115
4.3.5.4	Sensitivity adjustment . . . . .	115
4.3.5.5	Shifting to forward speed monitoring . . . . .	116
4.3.5.6	Summary of keyboard functions . . . . .	116
<b>4.4</b>	<b>Description . . . . .</b>	<b>117</b>
<b>4.5</b>	<b>Cab . . . . .</b>	<b>118</b>
4.5.1	Cab controls (top right-hand side) . . . . .	118
4.5.2	Operator seat . . . . .	121
4.5.3	Preparation for radio installation . . . . .	122
4.5.4	Rear Cab Window . . . . .	122
4.5.5	Reading light . . . . .	123
4.5.6	Document Pocket . . . . .	123
4.5.7	Air conditioning in the cab . . . . .	124
4.5.7.1	Pressurization . . . . .	125
4.5.8	Heating . . . . .	126
<b>4.6</b>	<b>Access to combine components . . . . .</b>	<b>127</b>
4.6.1	Access to the operator platform . . . . .	127
4.6.2	Accessing and cleaning the front windscreens of the cab . . . . .	128
4.6.3	Access to the engine compartment . . . . .	129
4.6.4	Access to the grain tank . . . . .	130
4.6.5	Access to the inside of the grain tank . . . . .	131
<b>4.7</b>	<b>Engine . . . . .</b>	<b>132</b>
4.7.1	Starting the engine . . . . .	132
4.7.2	Useful advice . . . . .	133
4.7.3	Stopping the engine . . . . .	134
<b>4.8</b>	<b>Road transport . . . . .</b>	<b>135</b>
4.8.1	Operations to be carried out before transportation . . . . .	135
4.8.2	Position light and sidelight adjustment . . . . .	136
<b>4.9</b>	<b>Using the combine . . . . .</b>	<b>137</b>
4.9.1	Operations to be carried out before use . . . . .	137
<b>5</b>	<b>Field Operations . . . . .</b>	<b>139</b>
<b>5.1</b>	<b>General Information . . . . .</b>	<b>141</b>
5.1.1	Notes . . . . .	141
5.1.2	Before operating the machine in the field . . . . .	141
<b>5.2</b>	<b>Starting and Stopping the Combine . . . . .</b>	<b>143</b>
5.2.1	Procedure to follow . . . . .	143
<b>5.3</b>	<b>Cutting table . . . . .</b>	<b>145</b>
5.3.1	Attaching the cutting table . . . . .	145
5.3.1.1	Adjustments for attaching the cutting table . . . . .	147
5.3.2	Removing the table . . . . .	148
5.3.3	Adjustment of cutting table ground clearance . . . . .	149
<b>5.4</b>	<b>Main Crop Elevator . . . . .</b>	<b>150</b>
5.4.1	Adjustments . . . . .	150
5.4.1.1	Access to the main components . . . . .	152
5.4.2	Reverse drive system . . . . .	153

<b>5.5 Cylinder Housing</b>	154
5.5.1 Components	154
5.5.2 Threshing drum	155
5.5.3 Wheat concave	156
5.5.3.1 Concave filler plates	157
5.5.3.2 Parallelism between the cylinder and concave	158
5.5.3.3 Unblocking the threshing drum	159
5.5.4 Sectional concave	160
5.5.4.1 Concave filler plates	161
5.5.4.2 Parallelism between the cylinder and concave	162
5.5.5 Universal wheat/maize concave	163
5.5.5.1 Basic concave settings	164
5.5.6 Spike-toothed Cylinder/Concave (for rice)	164
5.5.7 Rear beater	166
<b>5.6 Straw walkers</b>	167
5.6.1 Description and adjustments	167
<b>5.7 Main Grain Pan</b>	168
5.7.1 Description	168
5.7.2 Checking the main grain pan	169
5.7.3 Cleaning the main grain pan	170
5.7.4 Stone trap assembly removal/refitting	171
<b>5.8 Fanning Mill</b>	173
5.8.1 Description and adjustments	173
5.8.1.1 Fanning mill for threshing light seed crops	175
<b>5.9 Top sieve</b>	176
5.9.1 Adjustment	176
<b>5.10 Bottom sieve</b>	180
5.10.1 Adjustment	180
<b>5.11 Tailings</b>	182
5.11.1 Description and adjustments	182
<b>5.12 Grain tank</b>	184
5.12.1 Description	184
5.12.1.1 Grain tank unloading auger	185
5.12.1.2 Sensor to measure tank filling	186
5.12.1.3 Grain tank control window	186
5.12.1.4 Doors for Grain Tank Maintenance and Cleaning	187
5.12.1.5 Vertical auger tank drain door	188
5.12.1.6 Tank bottom door	189
5.12.1.7 Grain Tank Cover	190
5.12.1.8 Basic Settings	191
<b>6 Lubrication and Maintenance</b>	193
<b>6.1 General Information</b>	195
6.1.1 Lubrication and Maintenance	195
<b>6.2 Preliminary Service Inspection</b>	196
6.2.1 After the first 50 working hours	196
<b>6.3 Scheduled Service Inspection</b>	197
6.3.1 When and where to carry it out	197
6.3.2 Interval - 10 hours	199
6.3.2.1 Cylinder variator (1)	199
6.3.2.2 Engine oil (2)	200
6.3.2.3 Coolant expansion tank (3)	201
6.3.2.4 Hydraulic and hydrostatic systems tank (4)	201
6.3.2.5 Prefilter/water separator (5)	202
6.3.2.6 Straw chopper rotor (if fitted) (6)	202
6.3.3 Interval - 75 hours	203

6.3.3.1	Service brakes (11) . . . . .	203
6.3.3.2	Main crop elevator lower shaft (12) . . . . .	203
6.3.3.3	Main crop elevator belt tensioner (13) . . . . .	204
6.3.3.4	Fanning mill variator (14) . . . . .	204
6.3.3.5	Crop-unloading auger drive belt tensioner (15) . . . . .	205
6.3.3.6	Coupling bushes of final drive shafts (16) . . . . .	205
6.3.3.7	Rear axle support (17) . . . . .	206
6.3.3.8	Rear axle king pins (18) . . . . .	206
6.3.3.9	Rear straw-walker shaft supports (19) . . . . .	207
6.3.3.10	Unloading auger bottom gearbox (20) . . . . .	207
6.3.3.11	Unloading auger top gearbox (21) . . . . .	208
6.3.3.12	Table drive-belt tensioner (22) . . . . .	208
6.3.3.13	Track frames (23) . . . . .	209
6.3.3.14	Cab air filters (24) . . . . .	209
6.3.3.15	Evaporator (25) . . . . .	211
6.3.3.16	Condenser (26) . . . . .	211
6.3.3.17	Radiators and hydraulic oil (27) . . . . .	212
6.3.3.18	Adjusting the rotary screen brushes and aspirator brushes . . . . .	213
6.3.3.19	Chaff spreader drive (if fitted) (28) . . . . .	214
6.3.4	Interval - 150 hours . . . . .	215
6.3.4.1	Park brake (41) . . . . .	215
6.3.4.2	Gearbox (42) . . . . .	215
6.3.4.3	Final drives (43) . . . . .	216
6.3.4.4	Unloading auger bottom gearbox (44) . . . . .	216
6.3.4.5	Main crop elevator supports (45) . . . . .	217
6.3.4.6	Reversing-belt tensioner-arm pin (46) . . . . .	217
6.3.4.7	Main clutch (47) . . . . .	218
6.3.4.8	Tailings-auger left support (48) . . . . .	218
6.3.4.9	Windscreen wash fluid reservoir (49) . . . . .	219
6.3.4.10	Threshing-mechanism belt tensioner (50) . . . . .	219
6.3.4.11	Hydrostatic pump belt tensioner (51) . . . . .	220
6.3.4.12	Unloading auger slewing ring (52) . . . . .	220
6.3.4.13	Engine air filter (53) . . . . .	221
6.3.4.14	Straw-chopper driven belt tensioner (54) . . . . .	222
6.3.4.15	Straw chopper drive-belt tensioner (55) . . . . .	222
6.3.4.16	Engine (56) . . . . .	222
6.3.4.17	Straw chopper layshaft (57) . . . . .	224
6.3.4.18	Return rotary-screen belt tensioner (58) . . . . .	224
6.3.4.19	Rotary-screen belt tensioner (59) . . . . .	225
6.3.4.20	Radiator-fan drive belt tensioner (60) . . . . .	225
6.3.5	Interval - 225 hours . . . . .	225
6.3.5.1	Engine oil and filters (71) . . . . .	225
6.3.6	Interval - 450 hours . . . . .	228
6.3.6.1	Battery (81) . . . . .	228
6.3.6.2	Dehydrator filter (82) . . . . .	229
6.3.6.3	Final drives (83) . . . . .	230
6.3.6.4	Gearbox (84) . . . . .	230
6.3.6.5	Hydraulic oil intake filter (85) . . . . .	231
6.3.6.6	Hydrostatic transmission filter (86) . . . . .	232
6.3.6.7	Hydraulic systems oil (87) . . . . .	233
6.3.6.8	Hydraulic and hydrostatic system return filter (88) . . . . .	235
6.3.6.9	Engine diesel-fuel filters (89) . . . . .	235
6.3.6.10	Catalytic fluid filter (90) . . . . .	237
<b>6.4</b>	<b>Periodical maintenance operations</b> . . . . .	<b>238</b>
6.4.1	Description . . . . .	238
6.4.1.1	Engine valves (1) . . . . .	239
6.4.1.2	Coolant (2) . . . . .	240
6.4.1.3	Service brake circuit fluid (3) . . . . .	241

6.4.1.4	Diesel fuel tank (4) . . . . .	241
6.4.1.5	Turbocharger (5) . . . . .	242
6.4.1.6	Hydraulic hoses (6) . . . . .	242
6.4.1.7	Catalytic fluid tank (DEF) (7) . . . . .	243
<b>6.5 Lubrication</b>	.....	<b>244</b>
6.5.1	Summary table . . . . .	244
<b>7 Adjustments</b>	.....	<b>245</b>
<b>7.1 Adjustments</b>	.....	<b>247</b>
7.1.1	Important information . . . . .	247
<b>7.2 Belt and chain adjustment</b>	.....	<b>248</b>
7.2.1	Belts and chains (left-hand side) . . . . .	248
7.2.1.1	Feeder drive belt (1) . . . . .	248
7.2.1.2	Threshing unit drive belt (2) . . . . .	249
7.2.1.3	Unloading auger drive belt (3) . . . . .	249
7.2.1.4	Hydrostatic pump drive belt (4) . . . . .	250
7.2.1.5	Chaff spreader drive belt (if fitted) (5) . . . . .	251
7.2.1.6	Reversing drive belt (6) . . . . .	251
7.2.1.7	Main transmission belt (7) . . . . .	252
7.2.1.8	Clean grain and tailings augers drive belt (8) . . . . .	252
7.2.1.9	Straw walker drive belt (9) . . . . .	253
7.2.1.10	Cutting table drive belt (10) . . . . .	253
7.2.1.11	Unloading auger chain (11) . . . . .	254
7.2.1.12	Straw chopper drive belt (if fitted) (12) . . . . .	254
7.2.1.13	Straw chopper drive belt (if fitted) (13) . . . . .	255
7.2.2	Belts and chains (right-hand side) . . . . .	256
7.2.2.1	Belt drive for rotary screen (21) . . . . .	256
7.2.2.2	Counter drive for rotary screen (22) . . . . .	257
7.2.2.3	Drive belt for alternator and engine coolant pump (23) . . . . .	257
7.2.2.4	Radiator fan drive belt (24) . . . . .	258
7.2.2.5	Belt drive for cylinder variator (25) . . . . .	258
7.2.2.6	Belt drive for fanning mill variator (26) . . . . .	259
7.2.2.7	Top chain drive for tailings auger (27) . . . . .	260
7.2.2.8	Tailings elevator chain (28) . . . . .	260
7.2.2.9	Tank filling auger drive chain (29) . . . . .	261
7.2.2.10	Crop elevator chain (30) . . . . .	261
7.2.2.11	Front crop-elevator chain (31) . . . . .	262
7.2.2.12	Cab air-conditioning compressor drive belt (32) . . . . .	262
7.2.2.13	Dust aspirator drive belt (33) . . . . .	263
<b>7.3 Slip clutches</b>	.....	<b>264</b>
7.3.1	Description . . . . .	264
7.3.1.1	Clutch for main crop elevator upper shaft (1) . . . . .	264
7.3.1.2	Clutch for shaker shoe counter drive (2) . . . . .	264
7.3.1.3	Shear bolt for unloading auger counter drive (3) . . . . .	265
<b>7.4 Tires</b>	.....	<b>266</b>
7.4.1	Tire pressure . . . . .	266
7.4.2	Replacement of Front Wheels . . . . .	267
7.4.3	Replacement of Rear Wheels . . . . .	268
7.4.4	Front wheel assembly . . . . .	269
7.4.5	Rear wheel assembly . . . . .	270
<b>7.5 Brakes</b>	.....	<b>271</b>
7.5.1	Service brakes . . . . .	271
7.5.2	Park brake . . . . .	272
<b>7.6 Rear axle</b>	.....	<b>273</b>
7.6.1	Toe-in setting . . . . .	273
7.6.2	Steering ram ball joints . . . . .	273
7.6.3	Rear axle support . . . . .	274

<b>7.7</b>	<b>Battery</b>	275
7.7.1	Battery Replacement	275
7.7.2	Suggestions regarding the battery	275
7.7.3	Indicator Light for Battery Charging	276
<b>8</b>	<b>Systems</b>	277
<b>8.1</b>	<b>Safety Precautions</b>	279
8.1.1	Notes	279
<b>8.2</b>	<b>Engine supply system</b>	280
8.2.1	Permitted fuels	280
8.2.2	Fuel Circuit	281
8.2.3	Bleeding the Fuel Supply Circuit	282
8.2.4	Catalytic fluid tank (DEF)	283
8.2.5	Injection system operation	285
<b>8.3</b>	<b>Engine air intake and exhaust system</b>	286
8.3.1	Operation	286
<b>8.4</b>	<b>Engine cooling system</b>	288
8.4.1	Coolant	288
8.4.2	Engine cooling system operation	289
<b>8.5</b>	<b>Engine lubrication system</b>	290
8.5.1	Operation	290
8.5.2	Oil vapor recovery system	291
<b>8.6</b>	<b>SCR system</b>	292
8.6.1	Operation	292
<b>8.7</b>	<b>Hydraulics system</b>	294
8.7.1	Pumps and fuel tank	294
8.7.2	Table positioning hydraulic circuits	295
8.7.2.1	Cutting table oleopneumatic shock absorber	296
8.7.2.2	Hose burst valve	296
8.7.2.3	Cutting table positioning pressure switch	297
8.7.3	Hydraulic steering system	298
8.7.4	Auxiliary hydraulics circuit	299
<b>8.8</b>	<b>Hydrostatic transmission system</b>	300
8.8.1	Front-wheel drive	300
<b>8.9</b>	<b>Electrical system</b>	301
8.9.1	Main components	301
8.9.2	Fuses	302
8.9.3	Additional fuses	305
8.9.4	Cab fuses	307
8.9.5	Relays	308
8.9.5.1	Additional relays	310
8.9.5.2	Various relays	311
8.9.6	Control units	312
8.9.6.1	Engine sensors and control unit	313
8.9.7	Connections for additional equipment	314
8.9.7.1	Electric connectors	314
8.9.8	Headlight adjustment	316
8.9.9	Unloading area light	317
8.9.10	Reversing area light	317
8.9.11	Light in grain tank	318
8.9.12	Engine access-ladder light	318
<b>9</b>	<b>Troubleshooting</b>	319
<b>9.1</b>	<b>Description</b>	321
9.1.1	Feeding	321
9.1.2	Threshing	321

*Table of contents*


---

9.1.3	Separation and cleaning . . . . .	323
9.1.4	Hydrostatic Transmission . . . . .	326
9.1.5	Engine . . . . .	327
9.1.6	Hydraulics system . . . . .	329
9.1.7	Electrical system . . . . .	330
9.1.8	Air conditioning circuit . . . . .	331
9.1.9	Straw chopper . . . . .	331
<b>10</b>	<b>Off-Season Storage . . . . .</b>	<b>335</b>
<b>10.1</b>	<b>Procedure to follow . . . . .</b>	<b>337</b>
10.1.1	Operations to be carried out after the harvest . . . . .	337
10.1.2	Ordering spare parts . . . . .	338
10.1.3	Operations to be carried out before the new season . . . . .	338
<b>11</b>	<b>Optional equipment . . . . .</b>	<b>341</b>
<b>11.1</b>	<b>Information . . . . .</b>	<b>343</b>
11.1.1	General considerations . . . . .	343
<b>11.2</b>	<b>Optional equipment . . . . .</b>	<b>344</b>
11.2.1	Auxiliary table lifting ram . . . . .	344
11.2.2	Camera . . . . .	345
11.2.3	Additional rear view mirrors . . . . .	345
11.2.4	Additional lights (for work) . . . . .	346
11.2.5	Performance monitor . . . . .	346
11.2.6	Windbreak . . . . .	347
11.2.7	Additional fire extinguisher . . . . .	347
11.2.8	Diesel fuel prefilter . . . . .	348
11.2.9	Additional Portable Lamp . . . . .	348
11.2.10	Weight and moisture control monitor . . . . .	349
11.2.11	Trailer hitch . . . . .	349
11.2.12	Refrigerator . . . . .	350
11.2.13	Cylinder cover . . . . .	350
11.2.14	Tailings cover plate . . . . .	351
11.2.15	Top sieve . . . . .	351
11.2.16	Bottom sieve . . . . .	352
11.2.17	Electrically-operated sieves and returns sensors . . . . .	353
11.2.18	Cutting height control . . . . .	354
11.2.19	Hydraulic quick couplers . . . . .	354
<b>11.3</b>	<b>Equipment for threshing . . . . .</b>	<b>355</b>
11.3.1	Equipment for maize . . . . .	355
11.3.2	Equipment for corn-cob . . . . .	356
11.3.3	Equipment for rice . . . . .	357
11.3.4	Equipment for light seed crops . . . . .	357
11.3.5	Equipment for soya and peas . . . . .	358
<b>11.4</b>	<b>Ballast weights . . . . .</b>	<b>359</b>
11.4.1	Description . . . . .	359
11.4.2	Ballast weights on rear axle . . . . .	359
11.4.3	Ballast weights on the straw walker hood for machines without straw chopper . . . . .	360
11.4.4	Ballast weights on the rear wheels with a liquid mix (for tubeless tires) . . . . .	361
11.4.5	Filling tires with anti-freeze solutions . . . . .	362
<b>11.5</b>	<b>Straw chopper . . . . .</b>	<b>363</b>
11.5.1	Transport position . . . . .	363
11.5.2	Working position . . . . .	364
11.5.3	Operating the straw chopper . . . . .	365
11.5.4	Disengaging the straw chopper . . . . .	367
11.5.5	Access to the straw chopper rotor . . . . .	367
11.5.6	Straw chopper rotor knives . . . . .	367
11.5.7	Counter-knives . . . . .	368

11.5.8	Chopping quality . . . . .	368
11.5.9	Use of straw chopper in maize . . . . .	370
<b>11.6</b>	<b>Chaff Spreader . . . . .</b>	<b>372</b>
11.6.1	Working and maintenance positions . . . . .	372
11.6.2	Chaff spreader speed . . . . .	374
11.6.3	Disengaging the chaff spreader . . . . .	374
11.6.4	Chaff spreader belt tensioning . . . . .	374
<b>11.7</b>	<b>Tracks . . . . .</b>	<b>375</b>
11.7.1	Use and maintenance . . . . .	375
11.7.2	Track chain tension . . . . .	376
<b>12</b>	<b>Technical Specifications . . . . .</b>	<b>377</b>
<b>12.1</b>	<b>Wheels and tires . . . . .</b>	<b>379</b>
12.1.1	information . . . . .	379
12.1.2	Wheel tightening torque . . . . .	379
12.1.3	Tire capacity . . . . .	379
12.1.4	Tire equipment- front axle . . . . .	380
12.1.5	Tire equipment - rear axle . . . . .	381
12.1.6	Tire equipment - Version with half-tracks on front axle . . . . .	382
<b>12.2</b>	<b>Dimensions . . . . .</b>	<b>383</b>
12.2.1	Combine dimensions . . . . .	383
12.2.2	Tracks with runners . . . . .	385
12.2.3	Clearance between unloading auger and table . . . . .	386
12.2.4	Available cutting tables and weights . . . . .	386
12.2.5	Clearance between unloading auger and ground . . . . .	387
<b>12.3</b>	<b>Technical specifications . . . . .</b>	<b>388</b>
12.3.1	Feeding unit . . . . .	388
12.3.2	Threshing sys. . . . .	388
12.3.3	Cleaning unit . . . . .	390
12.3.4	Grain tank . . . . .	391
12.3.5	Hydraulic system . . . . .	392
12.3.6	Hydrostatic system . . . . .	392
12.3.7	Engine . . . . .	392
12.3.8	Electrical components . . . . .	393
12.3.9	Transmission . . . . .	393
12.3.10	Rear axle . . . . .	394
12.3.11	Weight . . . . .	394
<b>13</b>	<b>Index . . . . .</b>	<b>395</b>

**Thank you so much for reading.**

**Please click the “Buy Now!”  
button below to download the  
complete manual.**

***Buy Now***



**After you pay.**

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

**Our support email:**

**ebooklibonline@outlook.com**