

Combine MF 7200 CEREAL Series

Workshop Manual



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0. Introduction - Specifications

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0.1 Use of the manual

General

The purpose of the manual is to help dealers and workshops start-up, service and repair AGCO's equipment in the most appropriate and effective manner. If the specified procedures are followed and the recommended special tools are used where necessary, tasks and work can be completed within the time indicated in the manual "Repair Time Schedule".

Pagination

Example: "... as described in section 2.1.3 on page 73." This manual is divided into chapters and sections. In the example the figures show:

First figure = Chapter

Second figure = Section

Third figure = Consecutive number in the section in question

73 = Page number in manual

The publication number and version appear at the bottom of the page.

Use

To make it easier to look things up, there is a table of contents at the beginning of every chapter listing the various sections in the chapter.

Modifications

Modified pages have the same section numbering as their predecessors: Only the page number and version number change.

The old pages must be destroyed.

Service tools

In the case of jobs that require service tools, the number of the tool is specified at the point in the text where it is needed.

Repairs and replacement of parts

When replacing parts, it is very important to only ever use genuine AGCO spares.

Please pay particular attention to the following points with regard to repairs and fitting spare parts and other equipment.

Fitting non-genuine spare parts may impair the safety of the machine.

In some countries it is against the law to fit parts that do not conform to the manufacturer's specifications. Torque wrenches must always be adjusted in accordance with the instructions given in the workshop manual. Fit locking devices where specified. If the locking device is ruined by removal, fit a new one.

If non-genuine AGCO parts are fitted, the machine will no longer be covered by the right of complaint, as the manufacturer provides a warranty on all AGCO components. AGCO dealers are under the obligation to supply genuine parts only.

Repair Time Schedule

The manual "Repair Time Schedule" contains a table of normal time requirements for the most common repairs

on a combine. The manual is divided into sections corresponding to the layout of the spare parts catalogue.

0. Introduction - Specifications

0.2 General specifications

<i>Cutting table</i> Quick-attach type, can be attached and removed directly on the ground Power take-off with transmission shaft	Unit	MF 7256	MF 7272	MF 7274/78
Cutting height FreeFlow	cm	-25 to +143	-25 to +143	-25 to +143
Cutting height PowerFlow	cm	-40 to +148	-40 to +148	-40 to +148
Knife speed	strokes/min.	560	560	1120
Hydraulically balanced by pressure accumulators		yes	yes	yes
Electro-hydraulic cutting height presetting		yes	yes	yes

<i>Reel</i>	Unit	MF 7256	MF 7272	MF 7274/78
Electro-hydraulic reel drive	rpm	0-50	0-50	0-50
Peripheral speed	km/h	0-9.1	0-9.1	0-9.1
Electro-hydraulic reel control up/down and fore/aft		yes	yes	yes

<i>Threshing cylinder</i>	Unit	MF 7256	MF 7272	MF 7274/78
Speed, normal	rpm	400-1120	400-1120	400-1120
Speed, reduced	rpm	307-945	307-945	307-945
Width	cm	140	168	168
Number of rasp bars	units	8	8	8
Diameter	cm	60	60	60
Weight	kg	250	318	318
Electro-hydraulic speed adjustment		yes	yes	yes
Peripheral speed	m/sec.	12.3-36.1	12.3-36.1	12.3-36.1
Peripheral speed, reduced	m/sec.	9.6-29.7	9.6-29.7	9.6-29.7

<i>Concave</i>	Unit	MF 7256	MF 7272	MF 7274/78
Concave area	cm ²	8645	10600	10600
Number of rub bars	units	13	13	13
Concave wires, self-cleaning, spring steel	mm	Ø 3.5	Ø 3.5	Ø 3.5
Concave wrap	degrees	117	117	117
Concave adjustable from operator seat		yes	yes	yes

0. Introduction - Specifications

<i>Rear beater</i>	Unit	MF 7256	MF 7272	MF 7274/78
Diameter	cm	37.5	37.5	37.5

<i>Rotary separator</i>	Unit	MF 7256	MF 7272	MF 7274/78
Speed, normal	rpm	950	950	950
Speed, reduced	rpm	475	475	475
Width	cm	140	168	168
Diameter	cm	50	50	50
Separation area	cm ²	10160	10400	10400

<i>Straw walkers</i>	Unit	MF 7256	MF 7272	MF 7274/78
Number	units	5	8	8
Area	cm ²	6130	7400	7400
Area with rotary separator	cm ²	5570	6680	6680
Length	cm	400	400	400
Number of steps	units	5	5	5
Shutters in straw hood for cleaning straw walkers		yes	yes	yes

<i>Main grain pan</i>	Unit	MF 7256	MF 7272	MF 7274/78
Two-sectioned lengthwise		-	yes	yes
Stepped sections removable for cleaning		yes	yes	yes
Crop channelling		yes	yes	yes

<i>Shaker shoe</i>	Unit	MF 7256	MF 7272	MF 7274/78
Two-sectioned lengthwise		-	yes	yes
Adjustable sieves		yes	yes	yes
Sieve area	cm ²	4420	5300	5300
Opposite movement of sieves		yes	yes	yes
Crop channelling		yes	yes	yes
Work light		yes	yes	yes

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<i>Fanning mill</i>	Unit	MF 7256	MF 7272	MF 7274/78
Two-sectioned centrifugal blower		yes	yes	yes
Electrical speed adjustment from operator seat or at shaker shoe (left-hand side)		yes	yes	yes
Speed	rpm	460-1150	460-1150	460-1150
Reduced speed	rpm	-	-	310-790

<i>Grain tank</i>	Unit	MF 7256	MF 7272	MF 7274/78
Capacity	litres	8000	8000	9500/10500 ¹
Inside light		yes	yes	yes
Adjustable full warning		yes	yes	yes
Outside steps and inside ladder for easy access		yes	yes	yes
Sampling tray		yes	yes	yes
¹ Auto Level 9500 litres				

<i>Unloading auger</i>	Unit	MF 7256	MF 7272	MF 7274/78
Enclosed system, electro-hydraulically pivotable		yes	yes	yes
Unloading also in partially turned-in position, and without threshing unit being engaged		yes	yes	yes
Unloading (depending on conditions)	sec.	91	91	110/121
Unloading height (G)	cm	417	417	417
Unloading auger diameter	cm	33	33	33

<i>Engine</i>	Unit	MF 7256	MF 7272	MF 7274/78	MF 7274/78
Type, SISU		74 ETA	645 DSBAEL	645 DSBAEL	Citius 84 CTA-4V
Speed	rpm	2000-2200	2000-2200	2000-2200	2080
Volume	litres	7.4	8.4	8.4	8.4
Number of cylinders		6	6	6	6
Gross power* (with Power Boost**)	HP	250	265	325/350	348 (378)/ 382 (413)
Gross power* (with Power Boost**)	kW	169	195	200/257	256 (278)/ 281 (304)
Engine oil, capacity	litres	27	27	27	27

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