

**8816 / 8824
Planter
REPAIR TIME SCHEDULE**

Form Number 4283393M1

Contents

Section	Description
1	Drives
2	Air Tubes
3	Electrical
4	Row Units
5	Markers
6	Tongue, Frame and Wheels
7	Hydraulics

*NOTE: This Repair Time Schedule (RTS) can be used with Repair Time
Schedule storage binder supplied separately through the repair parts department.*

A. TIME ALLOWANCE

The times listed in this publication are the result of careful study of the operation concerned; they represent the average time ONE trained dealer mechanic, of normal ability has taken to carry out the operation in a typical dealership, using standard workshop tooling and equipment including air tools, located for reasonable access and working conditions. They DO NOT include any traveling to or from the farm or site.

The machine is assumed to be clean and to be bare of any extra equipment or attachment of non "AGCO" manufacture, and delivered to an authorized and duly equipped workshop where trained personnel and spare parts required to perform the operations are immediately available.

The times given include difficulties encountered working on used as opposed to new machines, and are based on methods and recommended tools shown in the workshop manual.

The times are based on a second hand machine in reasonable condition properly maintained using approved parts. Extra time may be required to deal with seized, rusted or damaged parts.

Allowances are included in the operation times quoted for obtaining all tools and parts, cleaning and testing after repair. Diagnostic time is included in the time allowance unless a separate code is listed for diagnostic time.

The times given in this Repair Time Schedule are for a complete job from start to finish, including allowances for intermediate operations.

B. TIMES

All the operating times are presented in hours and the decimal parts of an hour. Decimal times must be used on all warranty claims.

The times given in this repair time schedule are for a complete job from start to finish. Where access has been gained for an adjacent repair only the additional time for the second repair will be accepted and not the total time for the two failures.

C. REVIEW OF TIMES

If you find any improvement in the method which reduces the time of an operation or you find you cannot meet an operation time after more than three attempts using the recommended method, a "Request for Review of Time" form (see next page) must be submitted quoting all relevant details. Photo copy the form and fax it to the following address:

AGCO Corporation

Attn: Technical Service and Support

FAX (620) 327-5713

D. AMENDMENTS

All times contained in this schedule are based on the latest information available at the time of this publication. The right is reserved to publish revision at any time. All operation times are subject to amendment if the design, method or technique changes result in alteration of time taken.

E. REQUEST FOR REVIEW OF TIME SCHEDULE

Request for Review of Time Schedule

Dealer Name: _____ Date: _____

Address: _____

RTS Publication No.: _____ Failure Code No.: _____

Machine Model: _____ Serial No.: _____

We disagree with your time allowance against the above failure code number. We have observed and accurately timed this operation as carried out by a trained mechanic using recommended procedures and special tools. Our findings are detailed below:

Analysis of Time			
Work Performed	Time		Remarks
Remove Component			
Dismantle			
Clean and Inspect			
Obtain Parts and tools			
Reassemble			
Reinstall			
Adjust and test			
TOTAL OF TIME			
Number of mechanics used on job.			

Printed Name: _____ Signed: _____

Fax To:

AGCO Corporation

Attn: Technical Services and Support

(620) 327-5713

AIRTUBES

AIR GAUGE AND MOUNTING (LEFT AND RIGHT) (S.N. HU81600101 AND LATER) (S.N. HU82400101 AND LATER)	37
AIR GAUGE AND MOUNTING (LEFT) (S.N. HT81600101 THRU HT81600115) (S.N. HT82400101 THRU HT82400115)	35
AIR GAUGE AND MOUNTING (RIGHT) (S.N. HT81600101 THRU HT81600115) (S.N. HT82400101 THRU HT82400115)	36
CENTER FILL AIR TUBES-CENTER	38
CENTER FILL AIR TUBES-LEFT (8816)	39
CENTER FILL AIR TUBES-LEFT (8824)	41
CENTER FILL AIR TUBES-RIGHT (8816)	40
CENTER FILL AIR TUBES-RIGHT (8824)	42
DUCTS-AIR, CENTER (8816 AND 8824)	29
DUCTS-AIR, CENTER, INNER (8824) (LEFT AND RIGHT)	32
DUCTS-AIR, LEFT INNER (8816)	30
DUCTS-AIR, LEFT WINGS (8824)	33
DUCTS-AIR, RIGHT INNER (8816)	31
DUCTS-AIR, RIGHT WINGS (8824)	34

DRIVES

DRIVE CHAINS	27
GROUND DRIVE BEARING SUPPORT ASM.-LEFT	11
GROUND DRIVE BEARING SUPPORT ASM.-RIGHT	12
GROUND DRIVE SHAFTS AND MOUNTING	10
GROUND DRIVE TRANSMISSION	14
GROUND DRIVE TRANSMISSION (Continued)	15
GROUND DRIVE TRANSMISSION MOUNTING	13
HYDRAULIC DRIVE AND MOUNTING	9
ROW UNIT DRIVE-CENTER (8816 AND 8824)	20
ROW UNIT DRIVE-INNER (8824) (LEFT AND RIGHT)	22
ROW UNIT DRIVE-INNER, LEFT/RIGHT (8816)	21
ROW UNIT DRIVE-LEFT WING (8816)	23
ROW UNIT DRIVE-LEFT WING (8824)	25
ROW UNIT DRIVE-RIGHT WING (8816)	24
ROW UNIT DRIVE-RIGHT WING (8824)	26
TRANSMISSION DRIVE CHAINS	28
TRANSMISSION SPROCKET ASSEMBLY (FRONT CLUSTER)	18
TRANSMISSION SPROCKET ASSEMBLY (LOWER REAR CLUSTER)	17
TRANSMISSION SPROCKET ASSEMBLY (REAR SHAFT)	19

ELECTRICAL

BRIDGE MODULE HARNESS-TONGUE (8816) (HYDRAULIC DRIVE)	68
BRIDGE MODULE HARNESS-TONGUE (8824) (HYDRAULIC DRIVE)	74
BRIDGE MODULE MOUNTING-HARNESSES (8816) (HYDRAULIC DRIVE)	69
BRIDGE MODULE MOUNTING-HARNESSES (8824) (HYDRAULIC DRIVE)	75
CONSOLE ASSEMBLY (SM400SE)	49
CONTROL BOX ASSEMBLY (SN12321 CONTROL BOX ASSEMBLY)	48
DISTANCE SENSOR & SOLENOID HARNESS-LEFT	83
DISTANCE SENSOR & SOLENOID HARNESS-RIGHT	84
FOLD AND LIFT ELECTRICAL HARNESS	62
GROUND DRIVE BRIDGE MODULE AND MOUNTING	66
GROUND DRIVE BRIDGE MODULE HARNESS	65
GROUND DRIVE SPEED SENSOR AND MOUNTING	67
GTA CONSOLE EXT. HARNESS AND TEST SWITCH	55
GTA CONSOLE HARNESS (IMPLEMENT SWITCH)	54
GTA I CONSOLE AND MOUNTING	51
GTA II CONSOLE AND MOUNTING	53
GTA MOUNTING (OPTIONAL PARTS)	52
HARNESS ASSEMBLY-LOW POWER (SM400SE)	50
ISO 4 CHANNEL ACTUATOR HARNESS	82
LIFT HEIGHT SWITCH AND MOUNTING	64
POINT ROW CLUTCH ASSEMBLY-RIGHT (N858733 POINT ROW CLUTCH ASSEMBLY)	87
POINT ROW SHUTOFF CLUTCH AND MOUNTING	85
POINT ROW SHUTOFF CLUTCH ASSEMBLY-LEFT (N858732 POINT ROW CLUTCH ASSEMBLY)	86

ELECTRICAL (CONTINUED)

RADAR DISTANCE SENSOR AND MOUNTING	59
RADAR GUN	57
RADAR Y HARNESS	58
ROW SENSOR-INTERFACE MODULE (8816) (ROWS 1, 2, 3 AND 4)	70
ROW SENSOR-INTERFACE MODULE (8816) (ROWS 13, 14, 15 AND 16)	73
ROW SENSOR-INTERFACE MODULE (8816) (ROWS 5, 6, 7 AND 8)	71
ROW SENSOR-INTERFACE MODULE (8816) (ROWS 9, 10, 11 AND 12)	72
ROW SENSOR-INTERFACE MODULE (8824) (ROWS 1, 2, 3 AND 4)	76
ROW SENSOR-INTERFACE MODULE (8824) (ROWS 13, 14, 15 AND 16)	79
ROW SENSOR-INTERFACE MODULE (8824) (ROWS 17, 18, 19 AND 20)	80
ROW SENSOR-INTERFACE MODULE (8824) (ROWS 21, 22, 23 AND 24)	81
ROW SENSOR-INTERFACE MODULE (8824) (ROWS 5, 6, 7 AND 8)	77
ROW SENSOR-INTERFACE MODULE (8824) (ROWS 9, 10, 11 AND 12)	78
SENSOR AND TUBE (HIGH RATE)	60
SENSOR AND TUBE (SEED SMART)	61
TEST SWITCH STORAGE TUBE AND MOUNTING	56
TEST SWITCH STORAGE TUBE AND MOUNTING	88
TONGUE-CENTER FRAME CONNECTION, MARKER	63
TRANSPORT LIGHTS-FRONT (8816)	43
TRANSPORT LIGHTS-FRONT (8816) (Continued)	44
TRANSPORT LIGHTS-FRONT (8824)	45
TRANSPORT LIGHTS-FRONT (8824) (Continued)	46
TRANSPORT LIGHTS-REAR (8816/8824)	47

HYDRAULICS

CENTER FILL BLOWER CONTROL VALVE ASM. (700723571 FLOW CONTROL VALVE ASSEMBLY) 197	
CENTER FILL BLOWER HYDRAULICS (8816) (Continued) (S.N. HT81600101 THRU HT81600115) 190	
CENTER FILL BLOWER HYDRAULICS (8816) (Continued) (S.N. HU81600101 AND LATER)	192
CENTER FILL BLOWER HYDRAULICS (8816) (S.N. HT81600101 THRU HT81600115)	189
CENTER FILL BLOWER HYDRAULICS (8816) (S.N. HU81600101 AND LATER)	191
CENTER FILL BLOWER HYDRAULICS (8824) (Continued) (S.N. HT82400101 THRU HT82400115) 194	
CENTER FILL BLOWER HYDRAULICS (8824) (Continued) (S.N. HU82400101 AND LATER)	196
CENTER FILL BLOWER HYDRAULICS (8824) (S.N. HT82400101 THRU HT82400115)	193
CENTER FILL BLOWER HYDRAULICS (8824) (S.N. HU82400101 AND LATER)	195
FERTILIZER MANIFOLD DIVIDER KIT (8816) (6100219 FERT. MANIFOLD DIVIDER KIT)	220
FERTILIZER PUMP AND DRIVE KIT (SINGLE) (6001021 FERTILIZER PUMP AND DRIVE KIT) (EARLY VERSION)	215
FERTILIZER PUMP AND DRIVE KIT (SINGLE) (kit Continued) (EARLY VERSION)	216
FIELD HEIGHT DRIVE SHUTOFF SWITCH KIT (6001080 DRIVE SHUTOFF SWITCH KIT)	208
FOLD-HYDRAULIC CYLINDER ASSEMBLY (SN13815 CYLINDER ASSEMBLY-HYDRAULIC)	162
FORWARD FOLD HYDRAULICS AND MOUNTING	161
GROUND DRIVE BLOWER AND MOUNTING	187
GROUND DRIVE-BLOWER DRIVE HYDRAULICS	184
GROUND DRIVE-BLOWER HYDRAULICS, LEFT	185
GROUND DRIVE-BLOWER HYDRAULICS, RIGHT	186
GROUND SPEED SENSOR KIT (6001084 GROUND SPEED SENSOR KIT)	207
HYDRAULIC CYLINDER ASSEMBLY-LIFT (SN13259 CYLINDER ASSEMBLY-HYDRAULIC) (REPHASING CYLINDER)	173
HYDRAULIC CYLINDER ASSEMBLY-LIFT (SN13922 CYLINDER ASSEMBLY-HYDRAULIC) (REPHASING CYLINDER)	172
HYDRAULIC CYLINDER ASSEMBLY-LIFT (SN13923 CYLINDER ASSEMBLY-HYDRAULIC)	174
HYDRAULIC CYLINDER LOCKUP STORAGE	188
HYDRAULIC DRIVE AND BLOWER DRIVE-LEFT	179
HYDRAULIC DRIVE AND BLOWER DRIVE-RIGHT	180
HYDRAULIC DRIVE BLOWER AND MOUNTING	183

HYDRAULICS (CONTINUED)

HYDRAULIC DRIVE FLOW DIVIDER MOUNTING	150
HYDRAULIC DRIVE RESERVOIR&PUMP MOUNTING	148
HYDRAULIC DRIVE-BLOWER, LEFT (8816)	175
HYDRAULIC DRIVE-BLOWER, LEFT (8824)	177
HYDRAULIC DRIVE-BLOWER, RIGHT (8816)	176
HYDRAULIC DRIVE-BLOWER, RIGHT (8824)	178
HYDRAULIC DRIVE-TRACTOR REMOTE	149
HYDRAULIC FLOW CONTROL VALVE ASSEMBLY (N856657 FLOW CONTROL VALVE ASSEMBLY)	
181	
HYDRAULIC PTO DRIVE PUMP AND MOUNTING	147
HYDRAULIC SEQUENCING VALVE ASM. (8816) (DR56006 HYDRAULIC VALVE ASSEMBLY)	153
HYDRAULIC SEQUENCING VALVE ASM. (8824) (700157702 HYDRAULIC VALVE ASSEMBLY)	154
HYDRAULIC VALVE AND MOUNTING	152
HYDRAULIC VALVE ASSEMBLY-FOLD (SN13539 VALVE ASSEMBLY-FOLD)	155
HYDRAULIC VALVE ASSEMBLY-LIFT (SN13530 VALVE ASSEMBLY-LIFT)	156
HYDRAULICS-FORWARD FOLD (8816)	159
HYDRAULICS-FORWARD FOLD (8824)	160
HYDRAULICS-TONGUE LIFT (8816)	157
HYDRAULICS-TONGUE LIFT (8824)	158
HYDRAULICS-WHEEL LIFT, CENTER (8816)	167
HYDRAULICS-WHEEL LIFT, CENTER (8824)	168
HYDRAULICS-WHEEL LIFT, WING ASSIST(8824)	171
HYDRAULICS-WHEEL LIFT, WINGS (8816)	169
HYDRAULICS-WHEEL LIFT, WINGS (8824)	170
LIQUID FERT. FLOW DIVIDER KIT (8816) (700722241 FLOW DIVIDER ASSEMBLY) (Kit Continued)	
221	
LIQUID FERT. PUMP DRIVE KIT (DOUBLE) (700732705 PISTON PUMP ASSEMBLY-DOUBLE)	218
LIQUID FERT. PUMP DRIVE KIT (SINGLE) (700730742 PISTON PUMP ASSEMBLY) (Kit Continued)	
217	
LIQUID FERTILIZER PLUMBING KIT (TANK) (6001071 LIQUID FERTILIZER PLUMBING KIT)	219
LIQUID FERTILIZER TANK KIT (6001020 LIQUID FERTILIZER TANK KIT)	214
MARKER HYDRAULIC CYLINDER ASSEMBLY(8816) (SN12855 HYDRAULIC CYLINDER ASSEMBLY)	
164	
MARKER HYDRAULIC CYLINDER ASSEMBLY(8824) (SN13783 HYDRAULIC CYLINDER ASSEMBLY)	
166	
MARKER HYDRAULICS (8816)	163
MARKER HYDRAULICS (8824)	165
POINT ROW SHUTOFF CLUTCH KIT (8816) (6400176 POINT ROW SHUTOFF KIT)	201
POINT ROW SHUTOFF CLUTCH KIT (8824) (6400198 POINT ROW SHUTOFF KIT)	204
POINT ROW SHUTOFF CLUTCH KIT (N858732 POINT ROW CLUTCH ASSEMBLY-LEFT) (Kit Continued)	202
POINT ROW SHUTOFF CLUTCH KIT (N858732 POINT ROW CLUTCH ASSEMBLY-LEFT) (Kit Continued)	205
POINT ROW SHUTOFF CLUTCH KIT (N858733 POINT ROW CLUTCH ASM.-RIGHT) (Kit Continued)	
203	
POINT ROW SHUTOFF CLUTCH KIT (N858733 POINT ROW CLUTCH ASM.-RIGHT) (Kit Continued)	
206	
PTO COUPLER KIT-1000 RPM, 1-3/4 INCH (6000747 PTO COUPLER KIT-1000 RPM)	199
PTO COUPLER KIT-1000 RPM, 1-3/8 INCH (6000748 PTO COUPLER KIT-1000 RPM)	198
RESIDUE MANAGER ATTACHMENT KIT (6000720 RESIDUE MANAGER ATTACHMENT KIT) (10 INCH WHEEL)	210
RESIDUE MANAGER ATTACHMENT KIT (6000757 RESIDUE MANAGER ATTACHMENT KIT) (13 INCH WHEEL)	211
RESIDUE MANAGER KIT (6000533 RESIDUE MANAGER KIT)	213
ROW UNIT COULTER MOUNTING KIT-LESS BLADE (6400043 ROW UNIT COULTER MOUNTING KIT)	209
SEED DISC IDENTIFICATION CHART	200
TRASH MASTER KIT (6000532 TRASH MASTER KIT)	212
VALVE ASSEMBLY-FLOW DIVIDER (700732277 VALVE ASSEMBLY-FLOW DIVIDER)	151
VALVE ASSEMBLY-HYDRAULIC PUMP (700732276 VALVE ASSEMBLY-HYD. PUMP)	182

MARKERS

MARKER ASSEMBLY (8816) (LEFT SHOWN, RIGHT OPPOSITE) (S.N. HU81600101 AND LATER) 120	
MARKER GAUGE WHEEL (8816) (700169233 GAUGE WHEEL ASSEMBLY) (LEFT SHOWN, RIGHT SAME) (S.N. HU81600101 AND LATER)	121
MARKER GAUGE WHEEL ASSEMBLY (8816) (SN12870 GAUGE WHEEL ASSEMBLY) (LEFT SHOWN, RIGHT SAME)	118
MARKER GAUGE WHEEL ASSEMBLY (8824) (RIGHT SHOWN, LEFT OPPOSITE)	125
MARKER HUB ASSEMBLY (700167578 MARKER HUB ASSEMBLY) (LEFT SHOWN, RIGHT OPPOSITE)	122
MARKERS-LOWER (8816) (LEFT SHOWN, RIGHT OPPOSITE) (S.N. HT81600101 THRU HT81600115)	119
MARKERS-LOWER (8824) (LEFT SHOWN, RIGHT OPPOSITE)	123
MARKERS-UPPER (8816) (LEFT SHOWN, RIGHT OPPOSITE) (S.N. HT81600101 THRU HT81600115)	117
MARKERS-UPPER (8824) (LEFT SHOWN, RIGHT OPPOSITE)	124

ROW UNITS

2 BUSHEL HOPPER AND MOUNTING	96
3 BUSHEL HOPPER AND MOUNTING	97
CLOSING WHEEL AND MOUNTING (CAST)	106
CLOSING WHEEL AND MOUNTING (RUBBER)	104
CLOSING WHEEL ASSEMBLY (CAST) (854077 CLOSING WHEEL ASSEMBLY) (LEFT SHOWN, RIGHT OPPOSITE)	107
CLOSING WHEEL ASSEMBLY (RUBBER) (700727676 CLOSING WHEEL ASSEMBLY)	105
DEPTH ADJUSTMENT	103
DISC ASSEMBLY (700164107 DISC ASSEMBLY)	93
GAUGE WHEEL ASSEMBLY (700727657 GAUGE WHEEL ASSEMBLY)	102
GAUGE WHEEL-LEFT	100
GAUGE WHEEL-RIGHT	101
METER COVER	98
ROW UNIT (WITH FRONT BRACKET)	90
ROW UNIT CHAIN TIGHTENER	91
ROW UNIT MOUNTING	89
ROW UNIT-LOWER	92
SEED DISC IDENTIFICATION CHART	95
SEED HOPPER AND MOUNTING-LEFT	113
SEED HOPPER AND MOUNTING-RIGHT	114
SEED HOPPER ASSEMBLY-LEFT (700728434 SEED HOPPER ASSEMBLY)	115
SEED HOPPER ASSEMBLY-RIGHT (700728435 SEED HOPPER ASSEMBLY)	116
SEED METER	94
SEED METER FUNNEL	99
SEED MODULE BLOWER AND MOUNTING	111
SEED MODULE BLOWER ASSEMBLY (700724688 BLOWER ASSEMBLY)	112
SEED MODULE PLENUMS AND AIR BOXES (S.N. HT81600101 THRU HT81600115) (S.N. HT82400101 THRU HT82400115)	109
SEED MODULE PLENUMS AND AIR BOXES (S.N. HU81600101 AND LATER) (S.N. HU82400101 AND LATER)	110
SINGLE CLOSING WHEEL AND MOUNTING	108

TONGUE, FRAME AND WHEELS

CENTER FRAME AND INNER WINGS (8816)	132
CENTER FRAME AND INNER WINGS (8824)	133
DRAW BAR HITCH AND MOUNTING	126
HITCH AND STANDS	127
HUB ASSEMBLY (SN13262 HUB ASSEMBLY)	142
OUTER WINGS AND MOUNTING (8816)	134
OUTER WINGS AND MOUNTING (8824)	135
REAR TOW HITCH ASSEMBLY	137
SEED MODULE FRAME AND MOUNTING (S.N. HT81600101 THRU HT81600115) (S.N. HT82400101 THRU HT82400115)	143
SEED MODULE FRAME AND MOUNTING (S.N. HU81600101 AND LATER) (S.N. HU82400101 AND LATER)	144
SEED MODULE RAILS, LADDER & MOUNTING (SN HT81600101 TO HT81600115) (SN HT82400101 TO HT82400115)	145

TONGUE, FRAME AND WHEELS (CONTINUED)

SEED MODULE RAILS, LADDER AND MOUNTING (S.N. HU81600101 AND LATER) (S.N. HU82400101 AND LATER)	146
TONGUE AND LATCH MOUNTING (8816)	128
TONGUE AND LATCH MOUNTING (8824)	129
TOW HITCH AND MOUNTING	136
WHEEL LIFT MOUNTING-WITH MASTER CYLINDER	138
WHEEL LIFT MOUNTING-WITH SLAVE CYLINDER	139
WHEEL LIFT MOUNTING-WITH WING ASSIST	141
WHEEL LIFT MOUNTING-WITH WING SLAVE	140
WING FOLD BRACES AND MOUNTING (8816)	130
WING FOLD BRACES AND MOUNTING (8824)	131