

1635 / 1643 / 1648 / 1652 / 1655 / 1660
COMPACT TRACTOR
REPAIR TIME SCHEDULE

Form Number 4283394M2

Contents

Section	Description
1	Caution and Control Labels
2	Engine
3	Chassis
4	Wheels
5	Components Parts
6	Loader and Backhoe R & R

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 Services 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

CAUTION AND CONTROL LABELS

CAUTION LABELS	9
CONTROL & CAUTION LABELS	8
DECALS	7

CHASSIS

3PT LINK SYSTEM	107
4WD GEAR SYSTEM	59
4WD SHIFT ARM SYSTEM	67
4WD SHIFT LEVER SYSTEM	73
7P SOCKET SYSTEM	134
ACCELERATOR SYSTEM	39
AIR CLEANER SYSTEM	36
AIR CONDITIONING (CAB) (1/2)	149
AIR CONDITIONING (CAB) (2/2)	150
AIR CONDITIONING (ENGINE) (1/2)	147
AIR CONDITIONING (ENGINE) (2/2)	148
AXLE BRACKET SYSTEM	86
AXLE HOUSING SYSTEM	77
AXLE HOUSING SYSTEM	90
BEVEL CASE SYSTEM	88
BEVEL LIFT ROD SYSTEM	108
BRAKE PEDAL SYSTEM	80
BRAKE SYSTEM	79
BUMPER HITCH SYSTEM	154
CLUTCH PEDAL SYSTEM	42
CONTROL SYSTEM	133
CRUISE CONTROL SYSTEM (1/2)	122
CRUISE CONTROL SYSTEM (2/2)	123
CYLINDER CASE SYSTEM	94
DIFF-LOCK SYSTEM	78
DIFFERENTIAL GEAR SYSTEM	76
DOOR LOCK SYSTEM	143
DOOR SYSTEM	142
DRAFT MECHANICAL LINK SET	155
DRIVE PINION SYSTEM	75
DRIVE SHAFT SYSTEM	87
ELECTRICAL SYSTEM (1/3) (CAB)	130
ELECTRICAL SYSTEM (2/3) (CAB)	131
ELECTRICAL SYSTEM (3/3) (CAB)	132
FENDER COVER SYSTEM	114
FENDER SYSTEM (PLATFORM)	113
FIXED DRAWBAR SYSTEM	110
FRAME SYSTEM (CAB)	139
FRONT ELECTRICAL SYSTEM (1/2)	124
FRONT ELECTRICAL SYSTEM (2/2)	125
FRONT FLOOR SYSTEM (CAB)	119
FRONT FLOOR SYSTEM (EXCEPT CAB)	118
FRONT GEAR CASE SYSTEM	91
FRONT GLASS SYSTEM	141
FRONT TRANSMISSION CASE SYSTEM (EXCEPT HYDRO) 1635/1643/1648/1652/1655	43
FRONT TRANSMISSION CASE SYSTEM (HYDRO) 1635/1643/1648/1652/1655	44
FRONT TRANSMISSION CASE SYSTEM 1660	45
FUEL TANK SYSTEM	37
FUEL TANK SYSTEM (2/2)	38
GRILLE SYSTEM	112
HOOD SYSTEM	111
HST PEDAL SYSTEM	121
HYDROSTAT UNIT SYSTEM	49
INTERIOR SYSTEM	146
JOYSTICK VALVE SYSTEM (1/3)	103
JOYSTICK VALVE SYSTEM (2/3)	104
JOYSTICK VALVE SYSTEM (3/3)	105
LEVER GUIDE SYSTEM	115

CHASSIS (CONTINUED)

MAIN CLUTCH (WET CLUTCH) 1660	41
MAIN CLUTCH 1635/1643/1648/1652/1655	40
MAIN ELECTRICAL SYSTEM (1/2)	126
MAIN ELECTRICAL SYSTEM (2/2)	127
MAIN GEAR SYSTEM (EXCEPT HYDRO)	55
MAIN GEAR SYSTEM (HYDRO)	54
MAIN HYD SYSTEM (1/2)	97
MAIN HYD SYSTEM (2/2)	98
MAIN SHIFT FORK SYSTEM (DYNA QPS)	65
MAIN SHIFT FORK SYSTEM (POWER/SYNCHRO SHUTTLE)	64
MAIN SHIFT LEVER SYSTEM	71
METER PANEL SYSTEM	129
MID PTO SET (1/2)	152
MID PTO SET (2/2)	153
MID TRANSMISSION CASE SYSTEM 1660	53
MOUNT SYSTEM	117
MUFFLER SYSTEM	35
OVER FENDER SYSTEM	140
PARKING BRAKE SYSTEM	81
POSITION MECHANICAL LINK SYSTEM (1/2)	95
POSITION MECHANICAL LINK SYSTEM (2/2)	96
POWER STEERING SYSTEM	84
PTO GEAR SYSTEM	60
PTO GEAR SYSTEM 1635/1643/1648/1652/1655	50
PTO GEAR SYSTEM 1660	51
PTO SHIFT FORK SYSTEM	68
PTO SHIFT SYSTEM	74
RADIATOR SYSTEM (1/2)	33
RADIATOR SYSTEM (2/2)	34
REAR ELECTRICAL SYSTEM	128
REAR FLOOR SYSTEM	120
REAR FRAME SYSTEM (PLATFORM)	135
REAR GLASS SYSTEM	145
REAR TRANSMISSION CASE SYSTEM	61
REAR VIEW MIRROR AND VISOR SYSTEM	156
REMOTE VALVE SET	106
REVERSE GEAR SYSTEM (POWER SHUTTLE) 1635/1643/1648/1652/1655	46
REVERSE GEAR SYSTEM (SYNCRO SHUTTLE) 1635/1643/1648/1652/1655	47
REVERSE GEAR SYSTEM 1660	48
REVERSE LEVER SYSTEM (POWER SHUTTLE)	70
REVERSE LEVER SYSTEM (SYNCRO SHUTTLE)	69
REVERSE SHIFT FORK SYSTEM	63
ROOF SYSTEM (CAB)(1/2)	137
ROOF SYSTEM (CAB)(2/2)	138
ROPS FRAME SYSTEM (PLATFORM)	136
SEAT SYSTEM	116
SIDE GLASS SYSTEM	144
SMV BRACKET	151
STEERING COLUMN SYSTEM	83
STEERING WHEEL SYSTEM	82
SUB GEAR SYSTEM (HYDRO)	56
SUB GEAR SYSTEM (POWER SHUTTLE)	57
SUB GEAR SYSTEM (SYNCRO SHUTTLE)	58
SUB HYD SYSTEM (1/3)	99
SUB HYD SYSTEM (2/3) HYDRO	101
SUB HYD SYSTEM (2/3) NON HYDRO	100
SUB HYD SYSTEM (3/3)	102
SUB SHIFT FORK SYSTEM	66
SUB SHIFT LEVER SYSTEM	72
TIE ROD SYSTEM	92
TOP LINK BRACKET SYSTEM	109
TRANSMISSION MID CASE SYSTEM (HYDRO)	52
TRUNION COVER SYSTEM (HYDRO)	62

COMPONENTS PARTS

A/C COMPRESSOR	166
----------------------	-----

COMPONENTS PARTS (CONTINUED)

AIR CONDITIONER ASSY	159
AUXILIARY VALVE ASSEMBLY	158
HYDROSTAT ASSEMBLY	163
MAIN CLUTCH ASSEMBLY 1660	160
PTO CLUTCH 1635/1643/1648/1652/1655	164
PTO CLUTCH 1660	165
REVERSE GEAR CLUTCH ASSEMBLY 1635/1643/1648/1652/1655	161
REVERSE GEAR CLUTCH ASSEMBLY 1660	162

ENGINE

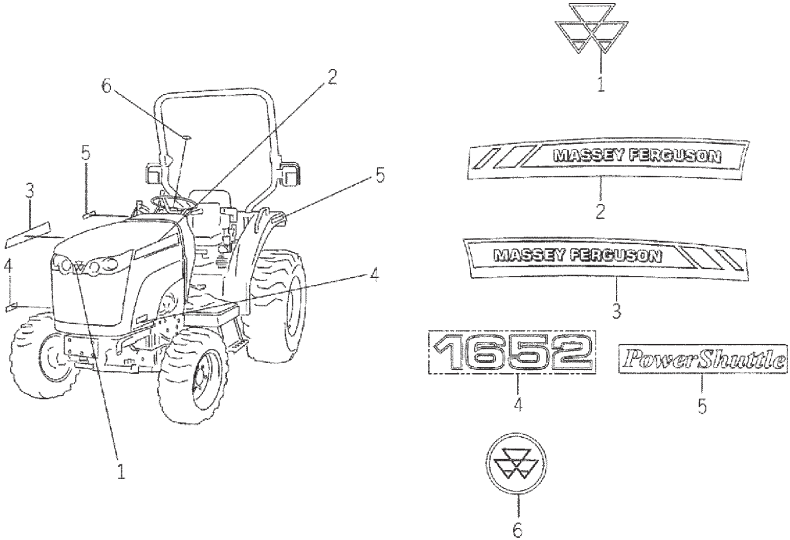
ADAPTER	29
ALTERNATOR & STARTER	30
ALTERNATOR ASSEMBLY	31
CAMSHAFT	19
COOLING FAN	25
CRANKSHAFT	21
CYLINDER BLOCK	14
CYLINDER HEAD	10
CYLINDER HEAD COVER	11
ELECTRICAL	32
EXHAUST MANIFOLD	13
FUEL CONNECTOR	28
INJECTION NOZZLE	26
INJECTION PUMP	27
INLET MANIFOLD	12
OIL PAN	15
OIL PUMP	22
OIL PUMP & COOLER	23
PISTON	20
REAR PLATE	16
ROCKER SHAFT AND VALVES	18
TIMING GEAR CASE	17
WATER PUMP/THERMOSTAT	24

LOADER AND BACKHOE R & R

BACKHOE 3-POINT MOUNT	169
BACKHOE MOUNTING KIT	168
LOADER MOUNTING KIT	167

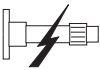
WHEELS

FRONT AND REAR WHEEL	157
----------------------------	-----

1635/1643/1648/1652/1655/1660 TRACTORS CAUTION AND CONTROL LABELS	Item			Description 7
DECALS  MFC10722		1 28 02 22 2 28 02 21 3 28 02 21 4 28 00 47 5 28 00 47 6 28 00 47	0.5 0.5 0.5 0.4 0.4 0.4	DECAL, BADGE DECAL, MF, LH DECAL, MF, RH DECAL, 1652 DECAL, POWERSHUTTLE DECAL, STEERING, MF MFC10722

1635/1643/1648/1652/1655/1660TRACTORS
CAUTION AND CONTROL LABELS

Item



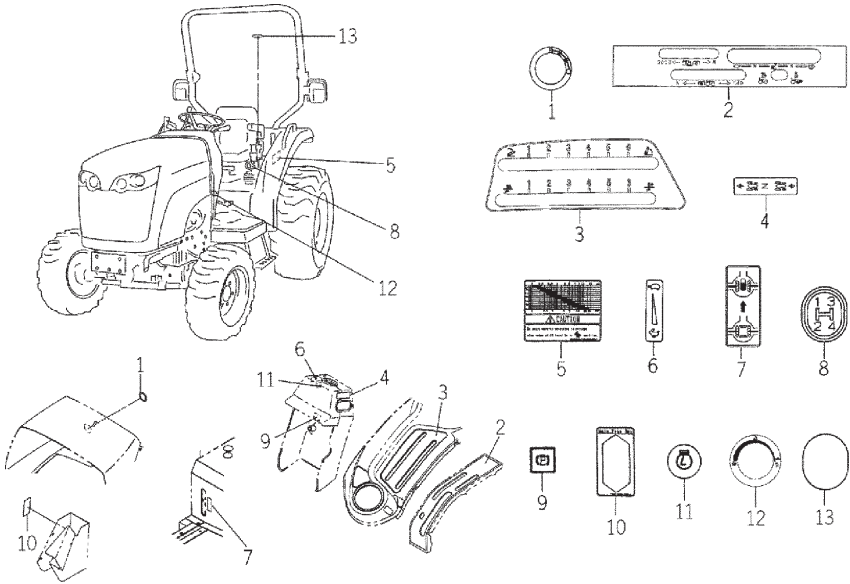
Description

8

CONTROL & CAUTION LABELS

1	34 15 07	0.4	LABEL, CONTROL, START
2	34 15 07	0.4	LABEL, CONTROL, LH
3	34 15 07	0.4	LABEL, CONTROL, RH
4	34 15 07	0.4	LABEL, CONTROL, LINEAR
5	34 15 07	0.4	LABEL, SPEED
6	34 15 07	0.4	LABEL, CONTROL, THROTTLE
7	34 15 07	0.4	LABEL, DIFF
8	34 15 07	0.4	LABEL, CONTROL, MAIN
9	34 15 07	0.4	LABEL, CONTROL, PARKING
10	34 15 07	0.4	LABEL, FUSE
11	34 15 07	0.4	LABEL, CONTROL, ENGINE
12	34 15 07	0.4	LABEL, CONTROL, SLOW RETURN
13	34 15 07	0.4	LABEL, CONTROL, SUB

MFC10730



MFC10730

1635/1643/1648/1652/1655/1660 TRACTORS
CAUTION AND CONTROL LABELS

CAUTION LABELS

Item

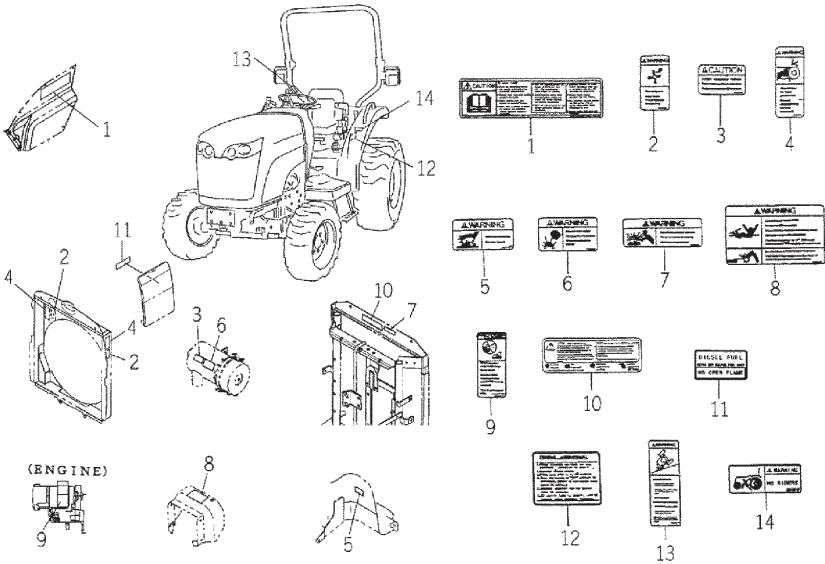


Description

9

1	34 15 07	0.4	LABEL, CAUTION, DRIVE
2	34 15 07	0.4	LABEL, WARNING, FAN
3	34 15 07	0.4	LABEL, CAUTION, BATTERY
4	34 15 07	0.4	LABEL, WARNING, SHIELD
5	34 15 07	0.4	LABEL, WARNING, MUFFLER
6	34 15 07	0.4	LABEL, WARNING, ETHER
7	34 15 07	0.4	LABEL, WARNING, RADIATOR
8	34 15 07	0.4	LABEL, WARNING, SHIELD, PTO
9	34 15 07	0.4	LABEL, DANGER, STARTER
10	34 15 07	0.4	LABEL, DANGER, BATTERY
11	34 15 07	0.4	LABEL, FUEL, LOW, SULFUR
12	34 15 07	0.4	LABEL, START
13	34 15 07	0.4	LABEL, ROPS
14	34 15 07	0.4	LABEL, FENDER

MFC10734



MFC10734