DV207
DV207HF
Vibratory Roller

SERVICE MANUAL

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CASE CONSTRUCTION

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Contents

SECTION 00 – MAINTENANCE

GENERAL INSTRUCTIONS

1. **Introduction** 1-1
2. **Safety precautions** 2-1
   - 2.1. Safety section 2-2
   - 2.1.1. Precautionary statements – personal safety signal words 2-2
   - 2.1.2. Machine safety and information signal words 2-2
   - 2.1.3. General safety rules 2-3
   - 2.1.4. General operating safety 2-4
   - 2.2. Safety sign location overview 2-5
   - 2.2.1. Safety signs 2-6
   - 2.3. General maintenance safety 2-10
   - 2.3.1. Fire and explosion prevention 2-10
   - 2.3.2. Hazardous chemicals 2-11
   - 2.3.3. Battery safety 2-11
   - 2.3.4. Air conditioning system 2-12
   - 2.3.5. Transportation safety 2-12
   - 2.3.6. Proper entry and exit 2-12
   - 2.3.7. Operator presence system 2-12
   - 2.3.8. Operator protective structure 2-13
   - 2.3.9. Utility safety 2-13
   - 2.4. Hand signals 2-14
3. **Repair safety precautions** 3-1
   - 3.1. Safety regulations 3-2
   - 3.2. Ecological measures & hygiene principles 3-6
   - 3.3. Fire measures 3-7
4. **Product identification** 4-1
   - 4.1. Summary of applications 4-2
5. **Check the tightening of bolted joints** 5-1
   - 5.1. Check the tightening of bolted joints 5-2

SECTION 00 – MAINTENANCE

GENERAL SPECIFICATIONS

6. **Description of the machine** 6-1
   - 6.1. Machine construction 6-2
   - 6.2. Fluid/lubricant specifications 6-3
   - 6.2.1. Engine oil 6-3
   - 6.2.2. Fuel 6-4
   - 6.2.3. Coolant 6-5
   - 6.2.4. Hydraulic oil 6-5
   - 6.2.5. Lube grease 6-5
   - 6.2.6. Washer fluid 6-5
   - 6.2.7. Gear oil 6-5
   - 6.2.8. Drum cooling liquid DV207HF 6-6
   - 6.3. Technical data DV207 / DV207HF 6-7
   - 6.4. Dimensional diagram DV207 / DV207HF 6-9

MidWestTech | Case DV207, DV207HF Vibratory Roller Service Manual | Publication 4750... Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

7. Tooling 7-1

7.1. Tooling and equipment 7-2

SECTION 10 – ENGINE

8. Removing the engine 8-1

9. Removing the cooler 9-1

SECTION 35 – HYDRAULIC SYSTEM

10. Hydraulic system 10-1

10.1. Hydraulic diagram 10-3

11. Hydraulics 11-1

11.1. Removing the cooling hydromotor 11-4
11.2. Removing the gear pump for steering 11-8
11.3. Removing the tandem pumps for vibration and travel 11-14
11.3.1. Vibration pump 11-14
11.3.2. Travel pump 11-16
11.4. Adjusting vibration frequency 11-18
11.5. Adjusting pulse sensors 11-19
11.6. Measuring hydraulic circuit safety pressures 11-20

SECTION 39 – FRAMES

12. Articulated joint 12-1

12.1. Preparation work 12-4
12.2. Removing the steering joint 12-10
12.3. Removing the slewing ring bearing 12-15
12.4. Removing the steering joint bearing 12-16
12.5. Installing the steering joint bearing 12-19
12.6. Adjusting the zero position of the steering joint 12-22

13. Removing the hood 13-1

SECTION 41 - STEERING

14. Steering cylinder 14-1

14.1. Removing hydraulic cylinders for steering and CRAB 14-4
14.2. Replacing packing material for steering or Crab hydraulic cylinders 14-5

SECTION 44 – AXLES AND WHEELS

15. Removing the drum 15-1

15.1. Removing the vibration hydromotor 15-12
15.2. Removing the travel hydromotor 15-14
15.3. Removing the auxiliary transmission 15-16
15.4. Removing the front drum 15-18
15.5. Replacing the rubber mounting of the drum 15-30

SECTION 50 – CAB CLIMATE CONTROL

16. Removing the heater/cooling air fans 16-1

16.1. Removing the heater 16-4
16.2. Removing cooling air fans 16-8

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SECTION 55 - ELECTRICAL SYSTEM

17. Electrical installation 17-1

17.1. Fuses 17-2
17.2. Storage battery 17-4
17.3. Alternator 17-5
17.4. Starter Motor 17-7
17.5. Layout of wiring elements in the machine 17-10

18. Electrical system 18-1

18.1. Wiring diagram DV207 / DV207HF 18-3

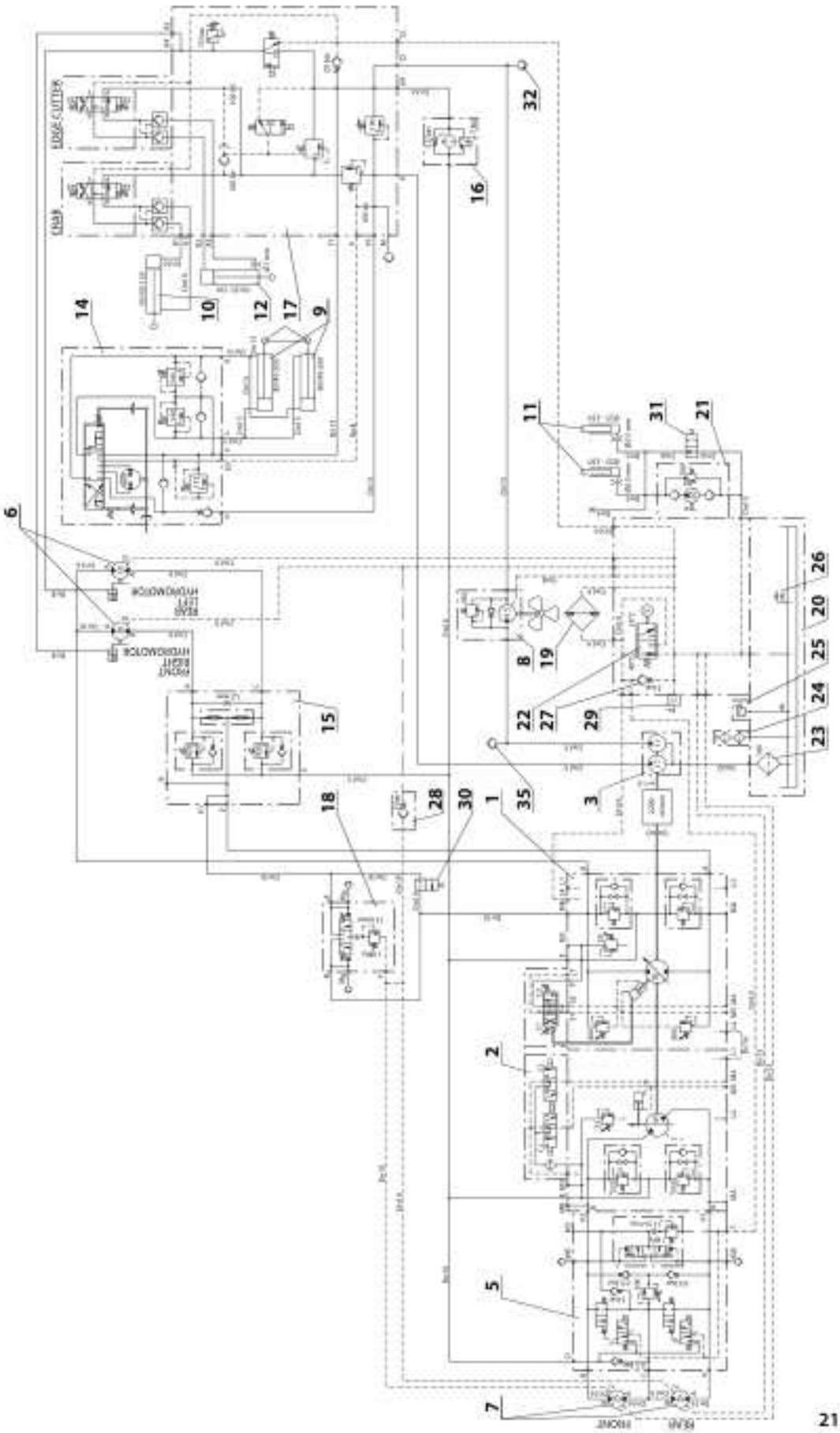
SECTION 90 – CAB

19. Cab 19-1

19.1. Idle and parking brake position sensor 19-4
19.2. Left-hand control panel, reversing horn sensor 19-4
19.3. Seat platform 19-8
19.4. Power steering servo 19-12
19.5. Seat switch 19-16

INDEX

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Starter motor faults and their remedies

Fault	Cause	Remedy
Starter motor does not rotate when turned ON	Broken wire to terminal "30" of the switch	Repair wire
	Broken wire to terminal "50" of the switch	Repair wire
	Defective ignition switch	Replace ignition switch
	Burnt contacts	Replace contacts and/or the entire cover (always together with bridging contacts)
	Broken winding for starter motor switch	Replace starter motor switch
	Short-circuited switch (poor pull, runs hot)	Replace starter motor switch
	Switch armature seizes	Free, clean and apply oil
Starter motor runs on no-load	Shifting-out mechanism damaged	Replace, or repair if required
	Pinion drags behind on shaft	Repair (sometimes shaft needs to be aligned)
Starter motor does not switch OFF – remains engaged, disconnect battery immediately (ground pole)!	Defective ignition switch	Replace ignition switch
	Caked starter motor switch contacts	Replace contacts (together with bridging contacts or and/or whole switch)
	Jammed pinion on shaft	Replace pinion bearing. Eliminate sharp edges on shaft, clean (check for shaft untrue running)
Starter motor does not shift out pinion for mesh	Flywheel rim damaged	Repair and/or replace damaged rim (find out cause)
Pinion mill flywheel	Disengaging spring broken	Replace spring
	Pinion gear damaged	Replace pinion (find out cause)
You can hear the starter motor engages the pinion, but it does not make the engine turn over	Battery discharged	Charge battery
	Damaged overrunning clutch slips (casing broken)	Replace
	Burnt starter motor switch contacts	Replace

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Wiring diagram DV207 / DV207HF

A1 Clicker (course light interrupter)
A2 Left-hand cluster
A3 Right-hand cluster
A4 Travel electronics
A5 Travel controller
A6 Time relay
B1 Fuel level float
B3 Pressure sensor in water tank
B4 Engine speed sensor
B5 Drum speed sensor
C1 Interference filter
E1,2 Front contour lights
E3,4 Rear lights
E5,6 Front headlights
E7,8 Rear headlights
E9,10 Left direction indicators
E11,12 Right direction indicators
E13,14 Auxiliary headlights front (option)
E15,16 Auxiliary headlights rear (option)
E17 Hazard warning beacon (option)
E18,19 Brake lights
E20 Cab lighting
E21 Vehicle make lighting (option)
F1-17 Cut-out fuses
G1 Battery
G2 Alternator
H1 Low beam indicator lamp
H2 High beam indicator lamp
H3 Loud horn
H4 Acoustic warning indicator
H5 Reversing horn (option)
K1 Contactor
K2-19 Auxiliary relay
K20 Preheating contactors
K22 Auxiliary relay
M1 Engine starter
M2 Sprinkling motor
M3 Sprinkling motor
M4 Front wiper
M5 Left rear wiper (option)
M6 Right rear wiper (option)
M7 Windshield washer
M9,10,11 Fans
Q1 Battery master switch
R1 Sprinkling interval potentiometer
R2 Speed potentiometer
R3 Resistor
R4, 5 Engine preheating
S1 Ignition switch
S2 Combined switch
S2.1 Switch for contour lights and headlights
S2.2 High beam/low beam switch
S2.3 High beam flash switch
S2.4 Loud horn button
S2.5 Traffic indicator lights switch
S3 Rear headlight switch
S4 Hazard warning light switch
S5 Auxiliary lights switch (option)
S6 Hazard warning beacon switch (option)
S7 Brake pressure switch
S8 Switch for clogged hydraulic filter
S9 Switch for clogged air filter
S10 Engine lubrication pressure switch
S11 Engine overheating switch
S12 Hydraulic oil overheating switch
S13 Float – water in fuel filter
S14 Reversing horn switch
S15 Neutral switch
S16 Emergency brake button
S18 Constant speed or engine overload switch
S19 Vibration automatics switch
S20 Smooth start or smooth stop button
S21 Seat switch
S22 Vibration button (red) on the left-hand travel controller
S23 Vibration button (red) on the right-hand travel controller
S24 Sprinkling button
S25 Sprinkling pumps switch
S26 Vibration amplitude switch
S27 Front / both / rear vibration selector switch
S28 Left-hand (yellow) button on left-hand travel controller – CRAB left
S29 Right-hand (yellow) button on left-hand travel controller – CRAB right
S30 Left-hand (yellow) button on right-hand travel controller – CRAB left or edge cutter up
S30 Right-hand (yellow) button on right-hand travel controller – CRAB right or edge cutter down
S32 Front wiper switch
S33 Left rear wiper switch (option)
S34 Sprayer button
S35 Fan switch
S36 Air conditioner switch (option)
S37 Right rear wiper switch (option)
S38 Float in hydraulic oil tank
S39 CRAB reset button
S40,41 CRAB position switches
S42 Hydraulic temperature switch
S43 Freezing thermostat – air-conditioner (option)
S44 ir conditioner overpressure fuse (option)
S45 Scraper watering switch (option)
X1 Mounting socket
X2 Diagnostic socket
X3-4 Connection terminals
X5-64 Interface connectors
Y1 Engine stop solenoid
Y3 Brake valve
Y4 Reverse drive valve
Y5 Reverse drive valve
Y8 Vibration low amplitude valve
Y9 Vibration high amplitude valve
Y10 Front drum vibration valve
Y11 Rear drum vibration valve
Y12 CRAB left valve
Y13 CRAB right valve
Y14 Relief valve
Y15 Edge cutter up valve (option)
Y16 Edge cutter down valve (option)
Y17 Air conditioner compressor clutch magnet (option)
Y18 Solenoid valve of the edge cutter watering (option)

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