327B & 330B
Articulated Trucks

Service Manual

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CASE
CONSTRUCTION

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CONTENTS

Page

CONDITIONS OF USE 3

INTRODUCTION 5

Copyright 5

INFORMATION ON THIS HANDBOOK 6

Definitions 6

Contents 6

Symbols 6

Purpose of this handbook 7

To whom this manual is addressed 7

Safekeeping of this handbook 7

Updates to this handbook 7

Units of measure 7

SCHEDULED USE 8

VEHICLE OPERATORS 8

WASTE DISPOSAL 9

SCRAPPING THE VEHICLE 9

WARRANTY AND LIABILITY OF THE MANUFACTURER 10

Warranty conditions 10

Liability 10

SERVICE 10

After sales service 10

Spare parts 10

Page

SAFETY INSTRUCTIONS 11

INTRODUCTION 13

Safety information and symbols 13

General instructions 14

PREVENTING FIRES 15

ROLLOVER ACCIDENTS 17

Prevention 17

What to do if the vehicle rolls over 17

Structure of the cab 18

INSTRUCTIONS FOR USE 19

Cab 19

Starting and stopping 20

Driving the vehicle 21

Working the vehicle 21

Towing the vehicle 23

Replacing a wheel 23

MAINTENANCE 24

General 24

Power supply disconnection 25

Safety locks 28

Preventing injuries 29

Preventing intoxication and contamination 31

Preventing burns and electrocution 32

MidWestTech | Case 327B, 330B Articulated Truck Service Manual | Publication 8418... Order the manual at mid-west-tech.com >

CONTENTS

Page

VEHICLE COMPOSITION 3
DIMENSIONS (Empty Vehicle) 4
DIMENSIONS WITH BODY RAISED 5
WEIGHTS 6
CENTER OF GRAVITY (Horizontal Position) 7
PERFORMANCE 8
PERFORMANCE ALIGNMENT CHART 10
Using the alignment chart 10
Performance alignment chart 11
MAIN TECHNICAL SPECIFICATIONS 12
Chassis number 12
PIN plate of the manufacturer 12
POSITION OF IDENTIFICATION DATA ON MAIN GROUPS 13
Cab 13
Chassis 13
Engine 13
Automatic transmission 13
Drive axles 14
Front axle 14
Intermediate and rear axles 14
Dumper cylinder (two) 14
Steering cylinder (two) 14
Suspension cylinders 14
Hydraulic system pump 15
Brake cooling system pump (wet brake version) 15
Dumping valve 15
Steering valve 15
MAIN TECHNICAL SPECIFICATIONS 16
Engine 16

Page

Automatic transmission 16
Front drive axle 17
Intermediate and rear drive axles 17
Suspension 17
Brakes 17
Wheels and tires 17
Hydraulic system 18
Pneumatic system 18
Electrical system 18
Chassis 18
Drive cab 18
Body 18
LIST OF BULBS 19
CAPACITIES 20
TIRE PRESSURE TABLE 21
ANTIFREEZE CONCENTRATION IN ENGINE COOLANT 21
ANTIFREEZE CONCENTRATION IN WINDSCREEN WASHER FLUID 21
BATTERY ELECTROLYTE DENSITY TABLE 21
TIGHTENING TORQUE 22
PLATES APPLIED TO THE VEHICLE 23
EUROPEAN VERSION 23
INSIDE ENGINE HOOD PLATE 29
INSIDE CAB PLATE 30
USA VERSION 32
INSIDE ENGINE HOOD PLATE 38
INSIDE CAB PLATE 39
STANDARD TIGHTENING TORQUES 41
MEASURES (International System) 42

MidWestTech | Case 327B, 330B Articulated Truck Service Manual | Publication 8418... Order the manual at mid-west-tech.com >

CONTENTS

Page

VEHICLE COMPOSITION 3
DIMENSIONS (Empty Vehicle) 4
DIMENSIONS WITH BODY RAISED 5
WEIGHTS 6
CENTER OF GRAVITY (Horizontal Position) 7
PERFORMANCE 8
PERFORMANCE ALIGNMENT CHART 10
Using the alignment chart 10
Performance alignment chart 11
MAIN TECHNICAL SPECIFICATIONS 12
Chassis number 12
PIN plate of the manufacturer 12
POSITION OF IDENTIFICATION DATA ON MAIN GROUPS 13
Cab 13
Chassis 13
Engine 13
Automatic transmission 13
Drive axles 14
Front axle 14
Intermediate and rear axles 14
Dumper cylinder (two) 14
Steering cylinder (two) 14
Suspension cylinders 14
Hydraulic system pump 15
Brake cooling system pump (wet brake version) 15
Dumping valve 15
Steering valve 15
MAIN TECHNICAL SPECIFICATIONS 16
Engine 16
Automatic transmission 16

Page

Front drive axle 17
Intermediate and rear drive axles 17
Suspension 17
Brakes 17
Wheels and tires 17
Hydraulic system 18
Brake cooling system (only wet brakes version) 18
Pneumatic system 18
Electrical system 18
Chassis 18
Drive cab 18
Body 18
LIST OF BULBS 19
CAPACITIES 20
TIRE PRESSURE TABLE 21
ANTIFREEZE CONCENTRATION IN ENGINE COOLANT 21
ANTIFREEZE CONCENTRATION IN WINDSCREEN WASHER FLUID 21
BATTERY ELECTROLYTE DENSITY TABLE 21
TIGHTENING TORQUE 22
PLATES APPLIED TO THE VEHICLE 23
EUROPEAN VERSION 23
INSIDE ENGINE HOOD PLATE 29
INSIDE CAB PLATE 30
USA VERSION 32
INSIDE ENGINE HOOD PLATE 38
INSIDE CAB PLATE 39
STANDARD TIGHTENING TORQUES 41
MEASURES (International System) 42

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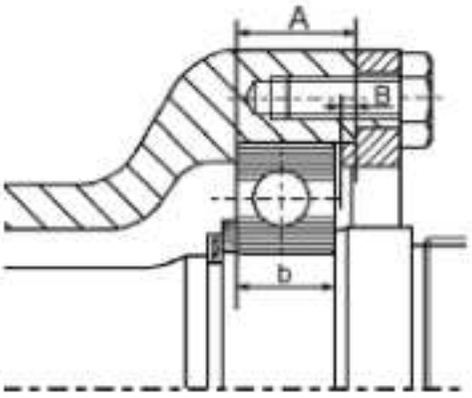
Warning lamp	Display	Codes list	SPN	FMI	Meaning of the fault code possible reason for fault detection	Reaction of the TCU	Possible steps to repair
	WARNING!	TCU ○ A5	5620	5	O.C. AT WARNING SIGNAL OUTPUT TCU DETECTED A WRONG VOLTAGE AT THE OUTPUT PIN, THAT LOOKS LIKE A O.C. FOR THIS OUTPUT PIN • CABLE IS DEFECTIVE AND HAS NO CONNECTION TO TCU • WARNING DEVICE HAS AN INTERNAL DEFECT • CONNECTOR HAS NO CONNECTION TO TCU	NO REACTION OP–MODE: NORMAL	• CHECK THE CABLE FROM TCU TO THE WARNING DEVICE • CHECK THE CONNECTORS FROM WARNING DEVICE TO TCU • CHECK THE RESISTANCE 1) OF WARNING DEVICE
	WARNING!	TCU ○ A6	5620	3	S.C. TO BATTERY VOLTAGE AT WARNING SIGNAL OUTPUT TCU DETECTED A WRONG VOLTAGE AT THE OUTPUT PIN, THAT LOOKS LIKE A S.C. TO BATTERY VOLTAGE • CABLE IS DEFECTIVE AND IS CONTACTED TO BATTERY VOLTAGE • WARNING DEVICE HAS AN INTERNAL DEFECT • CONNECTOR PIN IS CONTACTED TO BATTERY VOLTAGE	NO REACTION OP–MODE: NORMAL	• CHECK THE CABLE FROM TCU TO THE WARNING DEVICE • CHECK THE CONNECTORS FROM WARNING DEVICE TO TCU • CHECK THE RESISTANCE 1) OF WARNING DEVICE
	WARNING!	TCU ○ A9	5630	5	O.C. TO GROUND AT DIFFLOCK AXLE TCU DETECTED A WRONG VOLTAGE AT THE OUTPUT PIN, THAT LOOKS LIKE A O.C. FOR THIS OUTPUT PIN • CABLE IS DEFECTIVE AND HAS NO CONNECTION TO TCU • DIFFLOCK AXLE DEVICE HAS AN INTERNAL DEFECT • CONNECTOR PIN HAS NO CONNECTION TO TCU	CUSTOMER SPECIFIC	• CHECK THE CABLE FROM TCU • CHECK THE CONNECTORS FROM TCU • CHECK THE RESISTANCE
	WARNING!	TCU ○ AD	5650	4	S.C. TO GROUND AT DIFFLOCK AXLE TCU DETECTED A WRONG VOLTAGE AT THE OUTPUT PIN, THAT LOOKS LIKE A S.C. TO VEHICLE GROUND • CABLE IS DEFECTIVE AND IS CONTACTED TO VEHICLE GROUND • DIFFLOCK AXLE DEVICE HAS AN INTERNAL DEFECT • CONNECTOR PIN IS CONTACTED TO VEHICLE GROUND	CUSTOMER SPECIFIC	• CHECK THE CABLE FROM TCU TO FUNCTION 6 DEVICE • CHECK THE CONNECTORS FROM DIFFLOCK AXLE DEVICE TO TCU • CHECK THE RESISTANCE OF FUNCTION 6 DEVICE

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Coutershaft assembly

Proceed as follows:

Figure 93



276C062103

Proceed as follows:

- determine the dimension b of the ball bearing;
- determine the dimension A on the box;
- determine the dimension B on the cover;
- check that the clearance between the bearing side and the edge of the cover fall within the prescribed values:

bearing – cover clearance

A – (B + b) = 0.05 to 0.2 mm (0.002 to 0.007 in)

where:

A = the distance between the bearing assembly plane and the cover support plane

B = the depth of the cover

b = effective thickness of the bearing

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PNEUMO–HYDRAULIC BRAKING SYSTEM

☞ ***The numbers highlighted with xxx correspond to the coding of the component indiated in the electrical circuit diagrams (see SECTION 11 – ELECTRICAL PLANT – CIRCUIT DIAGRAMS)***

☞ ***For more information on the electrical components of the pneumatic system, see SECTION 11 – ELECTRICAL SYSTEM.***

☞ ***For more information on the hydraulic part of the braking system, see SECTION 10 – HYDRAULIC SYSTEM.***

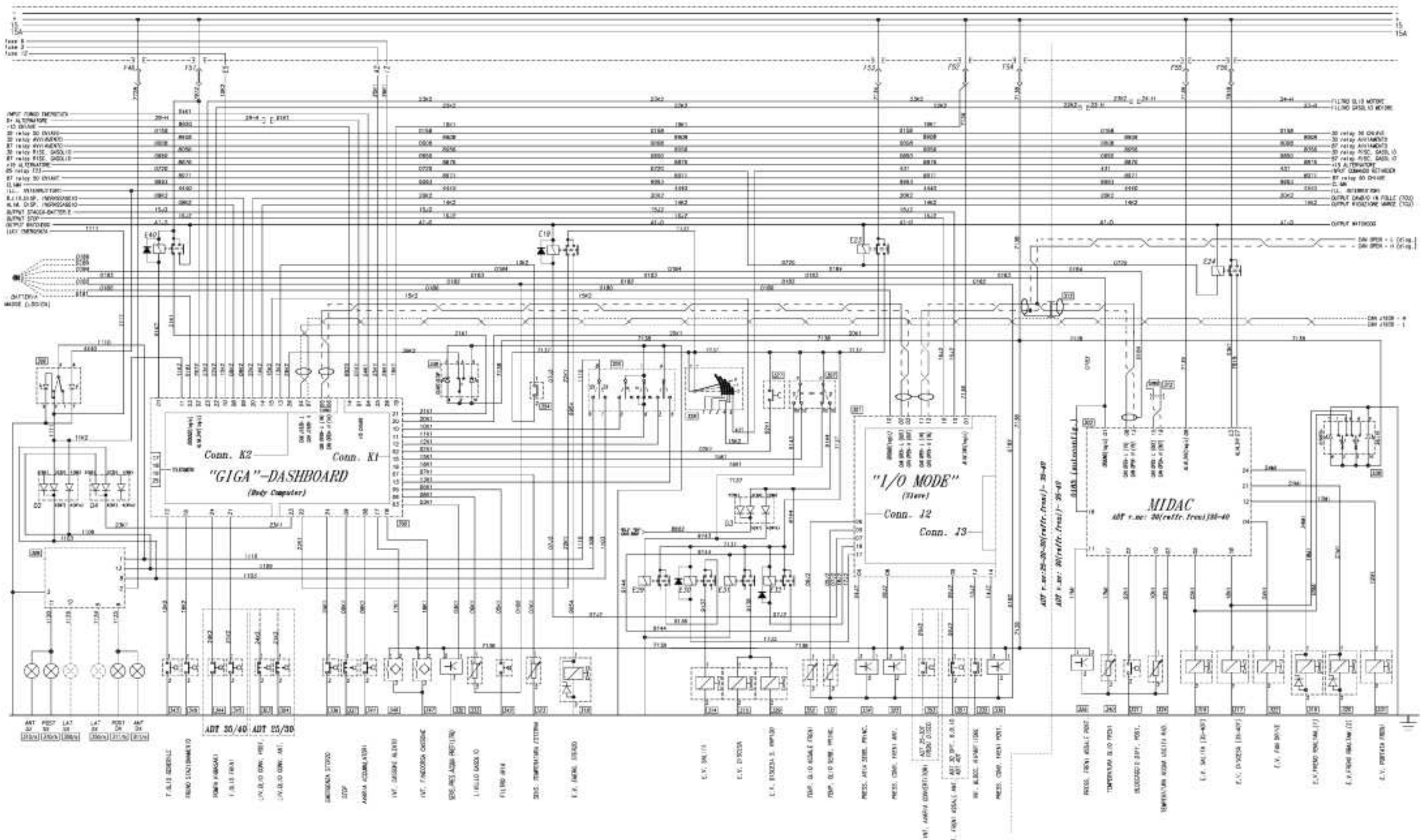
1. Compressor
2. Drier with heater and filter cartridge
3. Services pneumatic system
4. 30 liter tank
   - A. Parking
   - B. Front (x2 on wet brakes version)
   - C. Rear (x2 on wet brakes version)
5. Not used
6. Duplex distributor
7. Front brakes relay valve
8. Rear brakes relay valve
9. Stop pressure switch **337**
10. Parking brake actuator
11. Parking brake command
12. Parking brake pressure switch **349**
13. Front pneumo–hydraulic converter / level sensor **304**
14. Rear pneumo–hydraulic converter / level sensor **303**
15. Front brake pressure transducer **334**
16. Rear brake pressure transducer **340**
17. Front brake actuators
18. Rear brake actuator

List of pressure sockets

A Parking brake tank pressure
B Front tank pressure
C Rear tank pressure
D Front service brake pressure
E Rear service brake pressure

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Layout electrical system (3/5)



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