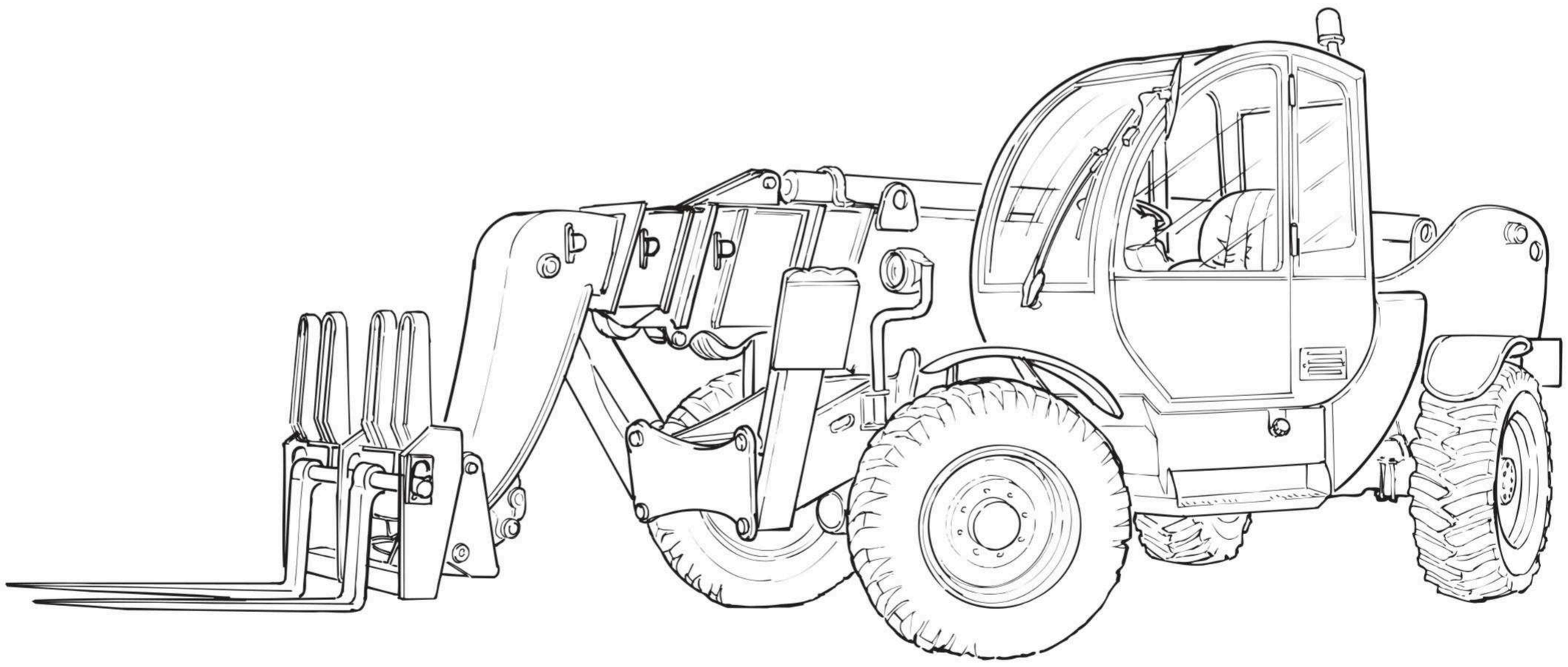
# SERVICE MANUAL

*Code 57.4402.9200 - 1st Edition 10/2006*

## *Handler with telescopic boom*

# Telelift 3713 SX

***(From serial n. 09944 to serial n. 16244)***



**English**

**Edition**



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# Section 1
# SAFETY INFORMATION

## SECTION INDEX


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## 2.7 FORKS

| | | | Telelift 3713 SX | |
|---|---|---|---|---|
| | | | Floating type | Fixed type |
| • | Dimensions | mm | 1200x130x50 | 1200x130x50 |
| • | Weight | kg | 70 | 70 |
| • | Fork holding frame - class | | FEM III | FEM III |

## 2.8 DIESEL ENGINE

| | | | Telelift 3713 SX | |
|---|---|---|---|---|
| | | | Aspirated version | Turbo version |
| • | Make | | PERKINS | PERKINS |
| • | Model/Type | | 1104C-44 | 1104C-44T |
| • | Features | | Diesel<br>4 cylinders in line<br>4 strokes<br>direct injection | Diesel<br>4 cylinders in line<br>4 strokes<br>direct injection |
| • | Bore x Stroke | mm | 103x127 | 105x127 |
| • | Total displacement | cc | 4232 | 4400 |
| • | Power at 2300 rpm | kW | 63,5 | 74,4 |

## 2.9 ELECTRICAL SYSTEM

| | | | Telelift 3713 SX |
|---|---|---|---|
| • | Voltage | V | 12 |
| • | Starter (power) | kW | 3 |
| • | Battery | Ah | 120 |

## 2.10 MACHINE SOUND LEVELS

| | | | Telelift 3713 SX | |
|---|---|---|---|---|
| | | | Aspirated version | Turbo version |
| • | Guaranteed sound power level<br>(in accordance with the Directive 2000/14/CE) | dB | Lwa = 104 | Lwa = 106 |
| • | Measured sound pressure level<br>(in accordance with the Directive 98/37/CE) | dB | Lpa = 93 | Lpa = 84 |



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# Section 5
# TROUBLESHOOTING

## SECTION INDEX


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| 5.1 | Introduction | page | 2 |
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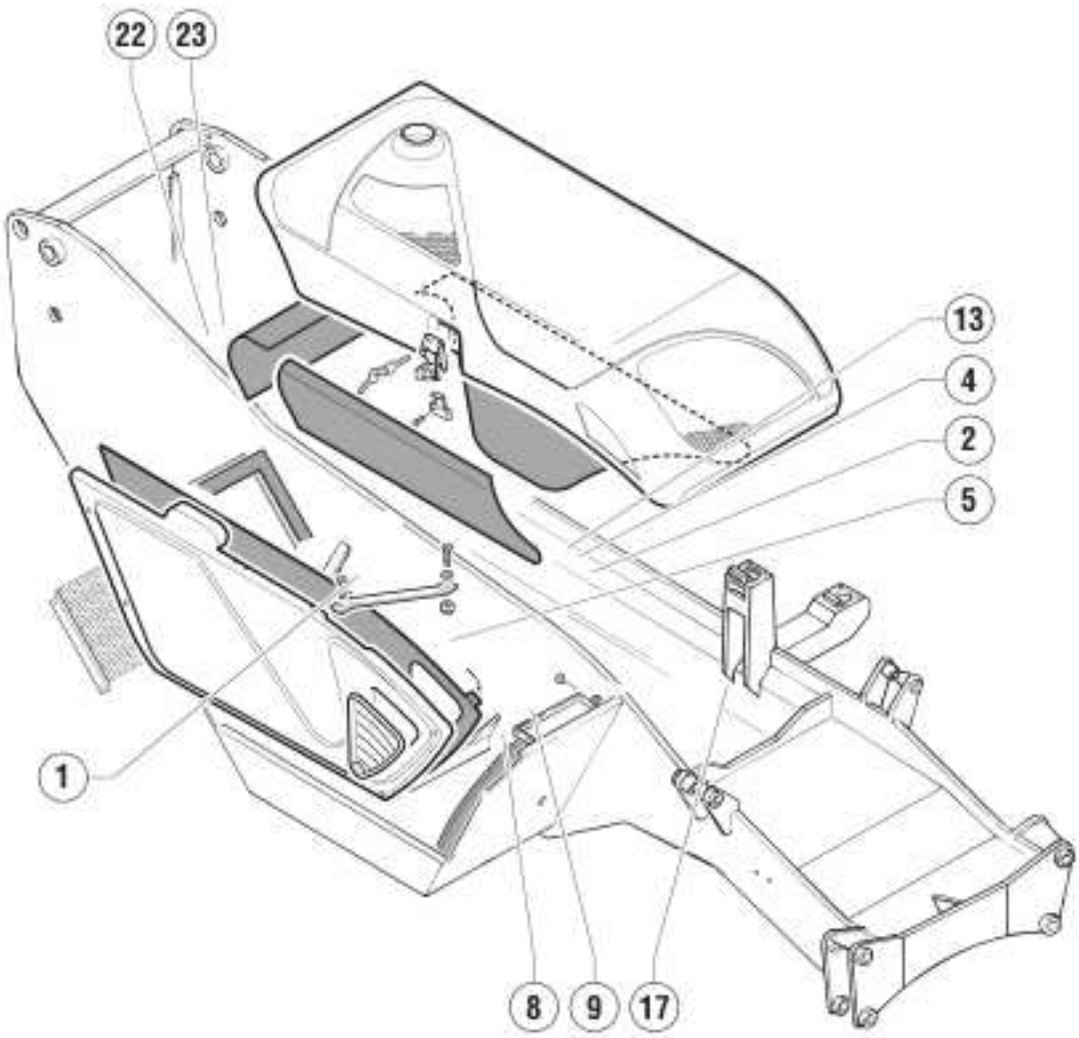



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### 6.5.2 Hydraulic components

**CAUTION**

***The numbering in the following pictures refers to the hydraulic components listed in section "Introduction", paragraph "Description of the machine operation" in this manual.***






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## C-14 CHECK THE EFFICIENCY OF THE BLOCK VALVES

The piloted blocking valves allow to held the load in position in case of burst of a flexible hose.

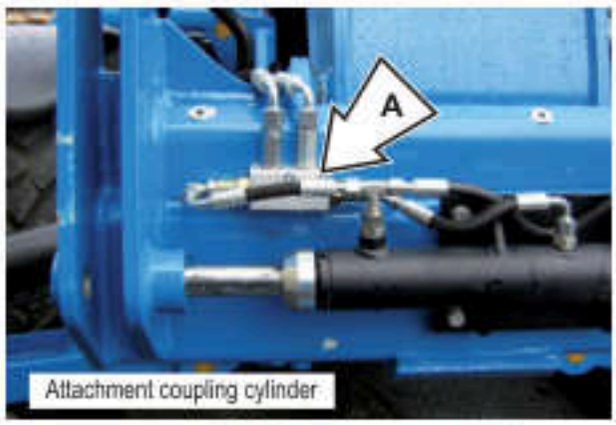
To check the efficiency of a valve, proceed as follows:

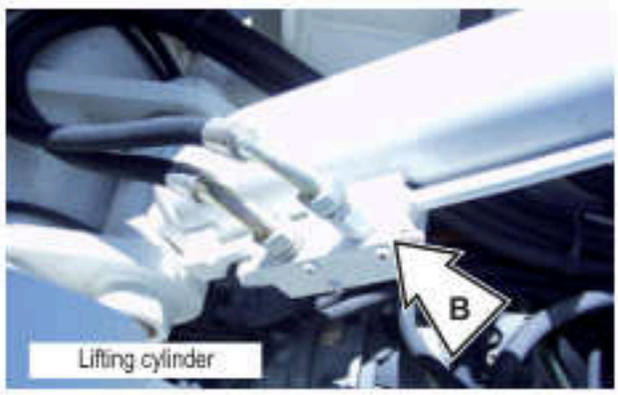
- Load a weight near the maximum payload (3700 kg roughly) onto the boom.
- Raise the load some centimetres above the ground (max 10 cm). To check the valve on the telescope extension cylinder move the boom to maximum height and extend it some centimetres.
- Loosen the oil hoses to the cylinder of which you are checking the valve with caution.
- To check the efficiency of the block valves of the outriggers, lower them to the ground and unload the weight of the tyres without raising them. Loosen the cylinder hoses to check the efficiency of the valve.

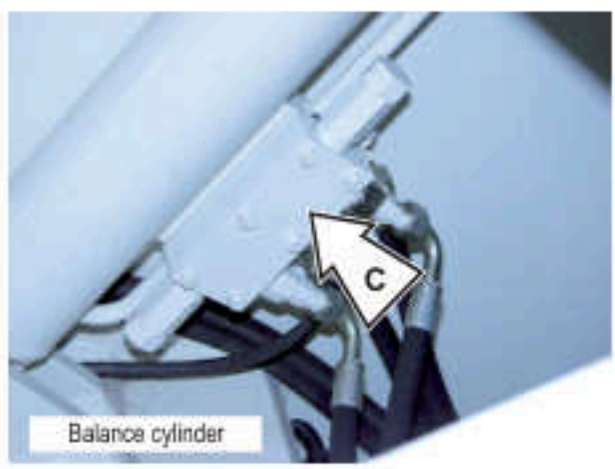
During the check, the oil will flow out of the hoses and the load shall remain blocked in position.
Should that not be the case, the valve must be replaced. Contact TEREXLIFT Technical Service.

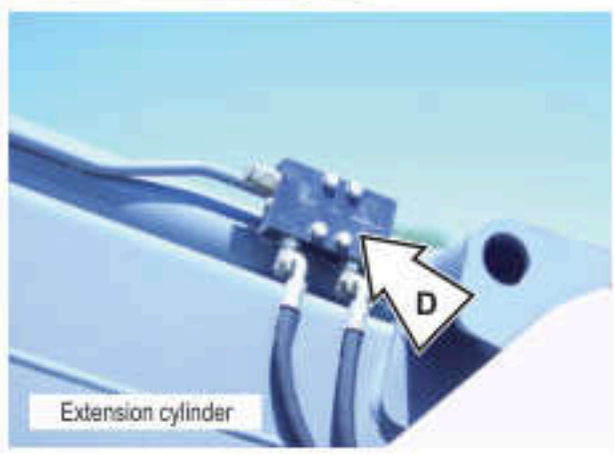
**NOTICE**

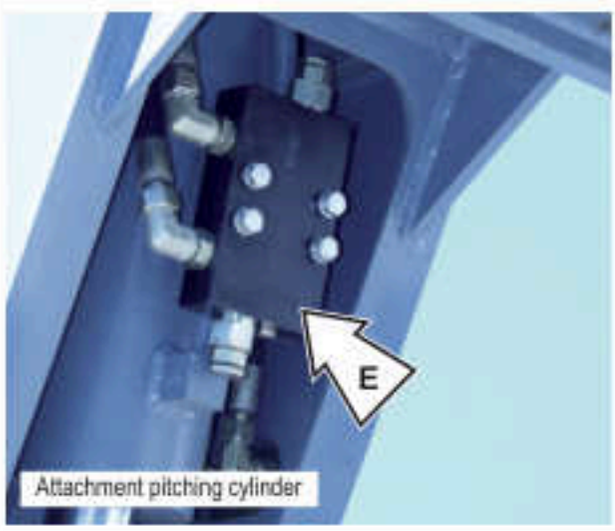
***Place a container of suitable size under the hoses.***






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## A-18 MAKE SURE THE SAFETY DEVICES INSTALLED ARE IN EFFICIENT WORKING ORDER

### Checking the emergency stop pushbutton
(at every use)

To check the efficiency of this pushbutton, simply press it down during a movement. The pressure of the pushbutton shall cause the movement to stop and the engine to shut down.



### Checking the machine start control
(at every use)

Attempt to start the engine with the forward or reverse gear put.
The engine must not start. If the engine starts, contact the TEREXLIFT Technical Service.
Repeat the operation putting first one gear, then the other.

### Checking the joystick pushbutton
(at every use)

To check if the pushbutton on the control lever is in efficient working order, it will be enough to attempt to operate the lever without pressing this button. In this condition, the lever shall not operate any movement. Should that not be the case, contact the TEREXLIFT Technical Service.



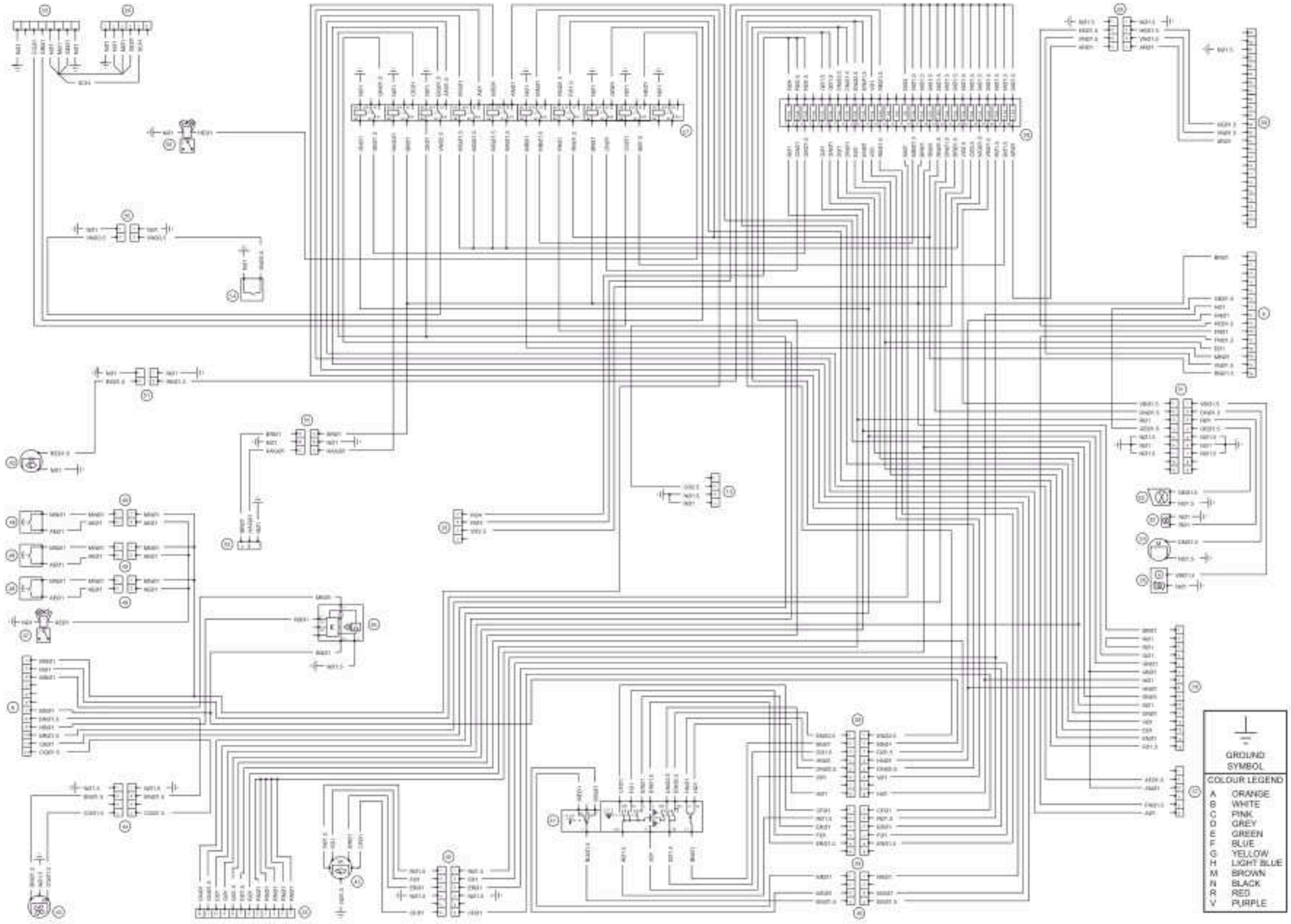


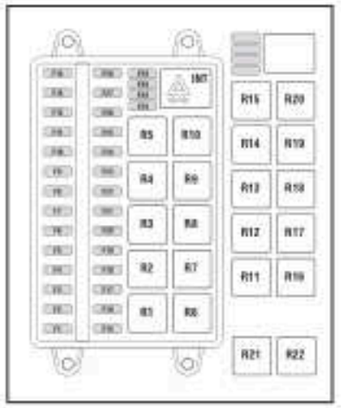
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## 6.4 WIRING DIAGRAMS

### 6.4.1 Wiring diagrams (for machines with old cab)

**Sheet 1 of 3**






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