SCANIA

10:02-58

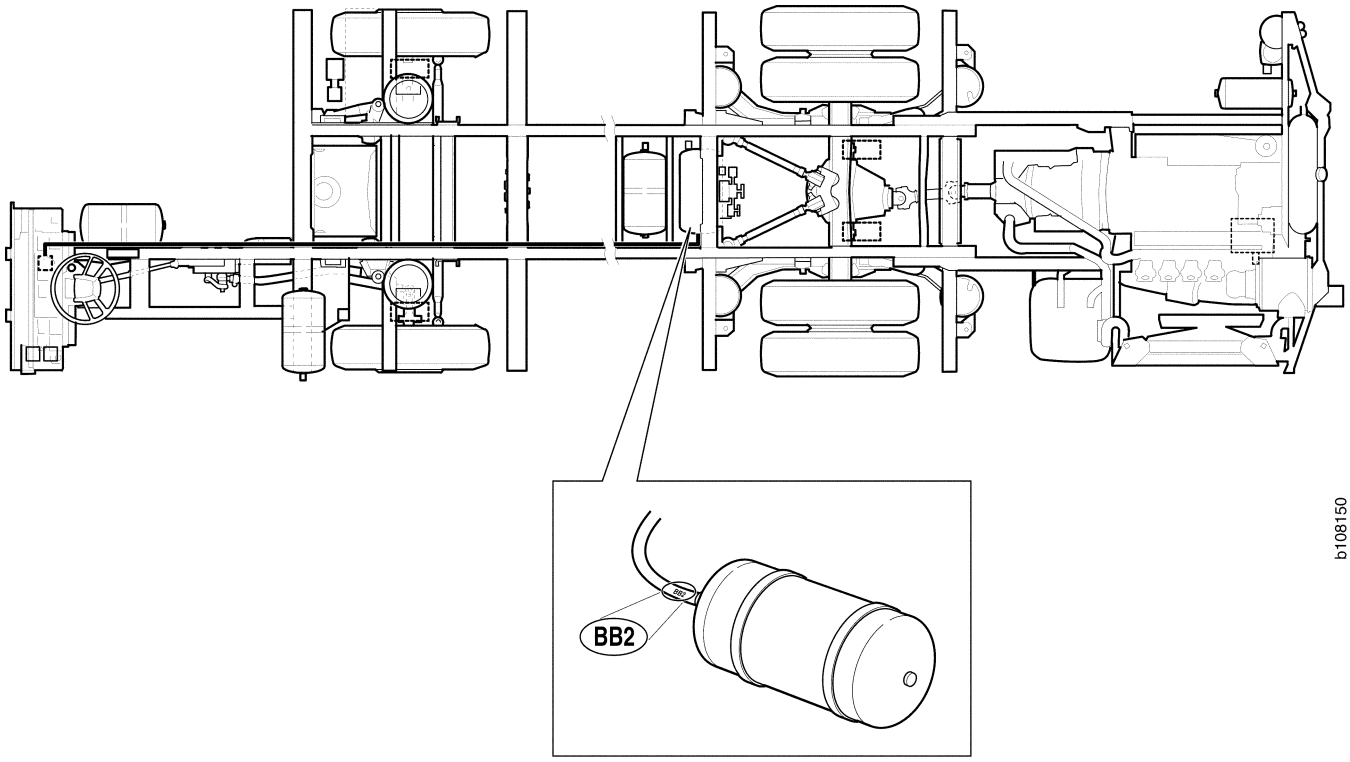
Issue 1 **en**

Marking of compressed air lines

1 710 920

Contents

Compressed air system



Introduction

The compressed air system consists of various components interconnected by piping. The system is divided into different circuits and the starting point for the various circuits is the four-circuit safety valve.

Note: 6x2 vehicles have two four-circuit safety valves.

The different compressed air lines in the system are marked for ease of identification. This description deals with the marking of the vehicle's compressed air system.

Application

The purpose of the marking system is to enable compressed air system lines to be designated, marked and identified. It is also designed to avoid assembly mistakes and to facilitate the work of service personnel when troubleshooting and carrying out repairs.

Designation system

General

Marking of the compressed air lines consists of three characters: two letters and a numeral.

In the compressed air schematic, the outside diameter of the lines is also specified.

Marking codes on compressed air lines

The first letter in the marking code indicates the main circuit to which the compressed air line belongs.

M	Supply circuit
F	Front circuit
B	Rear circuit
P	Parking
E	Optional equipment
A	Centre axle or tag axle brake
S	Trailer brake
D	Door system (Body)
H	Heating system (Body)
L	Air suspension
V	Gearbox and retarder control
X	Optional equipment

These circuits are supplied from main circuit E.

The second letter in the marking code is selected in alphabetical order.

All compressed air lines that are connected to the same component, directly or indirectly, have the same letter designation. All lines having the same designation belong to the same compressed air line section.

The third character, the numeral, is selected in serial order to distinguish between the lines in one and the same compressed air line section.

Compressed air line sections

All lines having the same letter designation belong to the same compressed air line section. Larger parts of the compressed air system comprise the boundaries of the different compressed air line sections.

All lines in the same compressed air line section have the same pressure under static conditions.

Marking of compressed air line sections

Supply circuit

Compressed air line designation	Start from
MA	Compressor (Air dryer)
MB	Air dryer
MC	Air tank, tag axle
MD	Double check valve
ME	Solenoid valve for exhaust brake or white smoke limiter
MF	Pressure limiting valve for exhaust brake or white smoke limiter
MG	Proportional valve for exhaust brake or white smoke limiter (EEB)
MH	3/2 valve for A/C compressor's belt tension cylinder

Front circuit

Compressed air line designation	Start from
FA	Four-circuit safety valve, port 22
FB	Air tank, front circuit
FC	Service brake valve, front circuit
FD	Quick release valve or relay valve, front circuit
FE	ABS valve, front axle, left
FF	ABS valve, front axle, right
FK	-
FL	Manifold fitting

Rear circuit

Compressed air line designation	Start from
BA	Four-circuit safety valve, port 21
BB	Air tank, rear circuit
BC	Service brake valve, rear circuit
BD	Relay valve, rear axle
BE	ABS valve, rear axle, left
BF	ABS valve, rear axle, right
BG	Solenoid valve, TC
BH	Double check valve
BJ	Double check valve
BK	Quick release valve, centre axle

Parking brake circuit

Compressed air line designation	Start from
PA	Four-circuit safety valve, port 23
PB	Check valve, air tank, parking circuit
PC	Interlock valve
PD	Parking brake valve
PE	Double check valve
PF	Relay valve, parking circuit, rear axle
PG	Quick release valve for parking brake, tag axle
PH	Pressure limiting valve, bus stop brake
PJ	Solenoid valve for bus stop brake
PK	Relay valve, centre axle
PZ	Outlet port, parking brake valve

Other sources of air supply

Compressed air line designation	Start from
EA	Four-circuit safety valve, port 24
EB	Air tanks for optional equipment
EC	Manifold fitting

Centre axle or tag axle brake

Compressed air line designation	Start from
AA	Relay valve, tag axle (centre axle)
AC	ABS valve, centre/tag axle, left
AD	ABS valve, centre tag axle, right

Trailer brake

Compressed air line designation	Start from
SA	Trailer relay valve

Door system

Compressed air line designation	Start from
DA	Manifold fitting
DB	Pressure regulator
DC	Release valve
DD	Emergency opening valve, front door
DE	Emergency opening valve, centre door (4x2)
DF	Emergency opening valve, rear door
DG	Emergency opening valve, centre door, front (6x2/2)
DH	Emergency opening valve, centre door, rear (6x2/2)
DZ	Outlet port, release valve

Heating system

Compressed air line designation	Start from
HA	Manifold fitting

Air suspension

Compressed air line designation	Start from
LA	Manifold fitting
LB	ELC valve, connection for front air bellows, door side
LC	ELC valve, connection for front air bellows, driver side
LD	ELC valve, connection for rear air bellows, left side
LE	ELC valve, connection for rear air bellows, right side
LF	Load relief valve, tag axle, left
LG	Load relief valve, tag axle, right
LH	Solenoid valve, level raising
LJ	ELC valve, connection for centre axle air bellows, left
LK	ELC valve, connection for centre axle air bellows, right
LL	Levelling valve, front
LM	Levelling valve, rear left
LN	Levelling valve, rear right

Gearbox and retarder control

Compressed air line designation	Start from
VA	Manifold fitting
VB	Solenoid valve, Scania retarder, accumulator
VC	Equalization valve for retarder control (Scania)
VD	Solenoid valve for retarder control (ZF2)
VE	Pressure control valve for gear control
VF	Pressure control valve for gear-changing servo
VG	-
VH	Pressure control valve for retarder control (ZF3)
VJ	Pressure control valve for retarder control (ZF2)
VK	Solenoid valve for retarder control (ZF3)
VL	-
VM	Pressure control valve for retarder control (ZF1)
VZ	Outlet passage (Comfort shift)

Optional equipment

Compressed air line designation	Start from
XA	Manifold fitting
XD	Solenoid valve for differential lock
XE	Solenoid valve for noise reduction damper
XP	Proportional valve for speed limiter
XH	Heating system, chassis