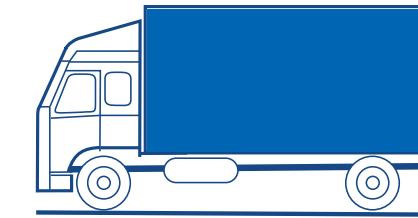




KNORR-BREMSE – EBS 5



Accelerationsensor (YRS) 1

IAM Preferred Part No.

MAN	048602007N50
Renault Trucks	048602007N50
Scania	048602007N50
Volvo	048602007N50

Yaw Rate Sensor (YRS) - Monitors lateral acceleration of the vehicle

Note: Yaw Rate Sensors require calibrating after installation, this can be carried out using Knorr-Bremse NEO System Diagnostics

Styrevinkelsensor (SAS) 2

Fig. IAM Preferred Part No.

MAN	1	0486021007N50
Scania	2	0486021003N50
Volvo	2	0486021003N50

Steering Angle Sensor (SAS) - Monitors desired steering position

Note: Steering Angle Sensors require calibrating after installation, this can be carried out using Knorr-Bremse NEO System Diagnostics

Trykstyringsventil (PCV) 3

IAM Preferred Part No.

MAN	1	II17776N00*
Renault Trucks	1	II17776N00*
Scania	1	II17776N00*
Scania	1	K015677N00**
Volvo	1	II17776N00*

Pressure Modulator - Modulates the pressure in the brake actuators in response to signals from the Electronic Control Unit (ECU)

* DIN 72585 Bayonet electrical connection
** Kostal M24x1 electrical connection

Anhænger Styremodul (TCM) 4

Fig. IAM Preferred Part No.

MAN	1	K020623N50
Renault Trucks - Magnum	1	K020623N50
Renault Trucks	2	K020626N50
Scania	1	K020623N50
Volvo	1	K020624N50

Trailer Control Module (TCM) - Controls the trailer's braking system and provides optimum tractor/trailer brake compatibility

Hjulsensor 5

Fig. 1 to Fig. 15

Elektronisk Styreenhed (ECU) 9

To identify the correct aftermarket replacement ECU, please call Knorr-Bremse Technical Services on 0117 9846 222 with the original OE part number

IAM Preferred Part No.	Comment
Iveco -Irisbus 0486106307N50	
MAN 0486106303N50	
MAN 0486108003N50	ESP
Renault Trucks 0486106305N50	
Scania 0486106306N50	
Volvo 0486106304N50	
Volvo 0486108004N50	ESP

Electronic Control Unit (ECU) - For all EBS functions

Note: All replacement ECUs require programming either using data mirroring (which can be carried out using the NEO System Diagnostics) or by the Vehicle Manufacturer with suitable dataset

1-Channel Electro-Pneumatic Module (EPM) 8

IAM Preferred Part No.

Iveco-Irisbus	K021203N50
MAN	K021204N50
Renault Trucks	K021203N50
Scania	K021202N50
Volvo	K021202N50

1-channel Electro-Pneumatic Module (EPM) - An assembly comprising of solenoid valves, relay valve, pressure sensors and local electronics with inputs from wheel speed sensors and brake wear sensors

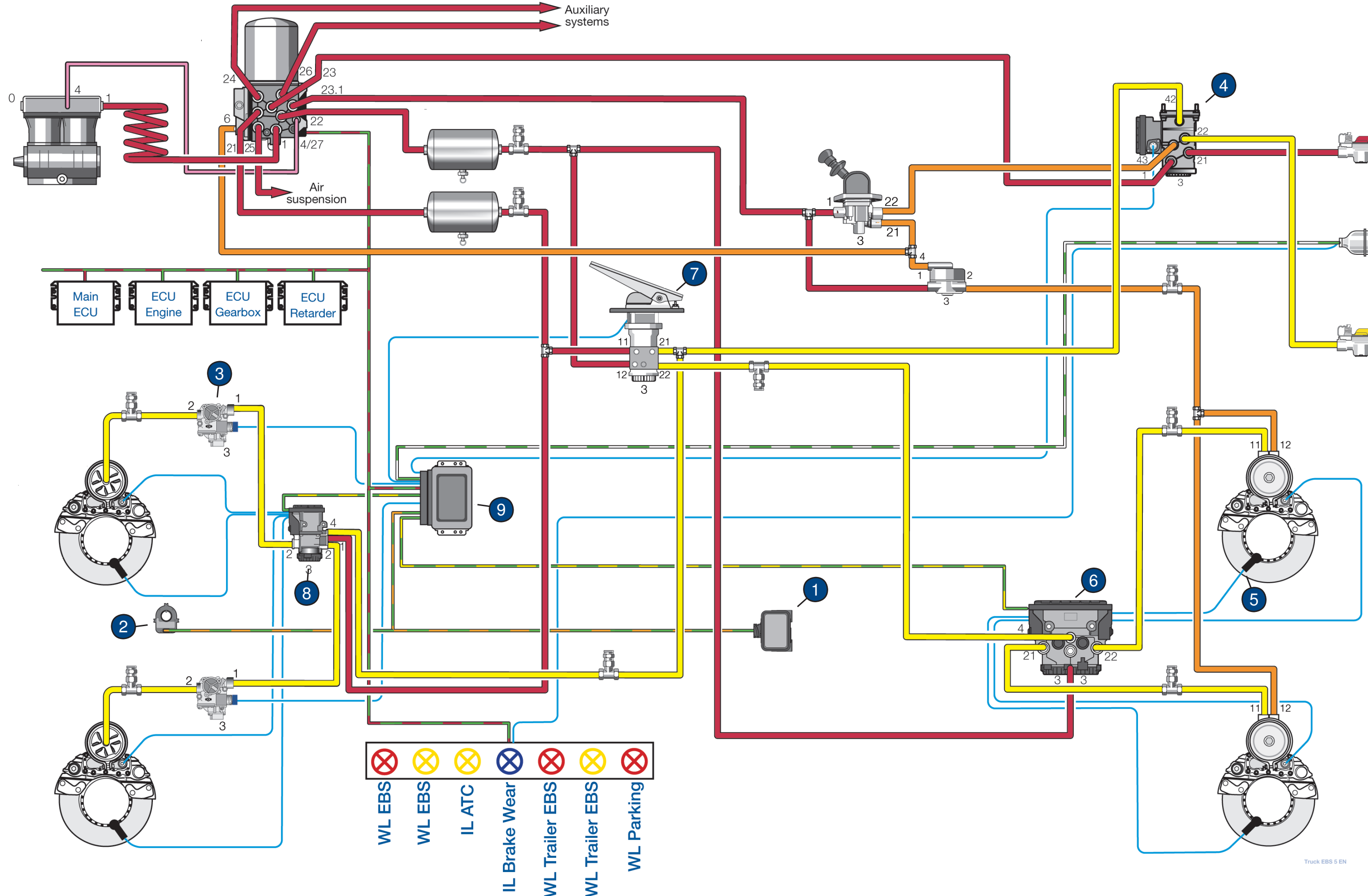


Fig.	Connector	Length (mm)	IAM Preferred Part No.
Iveco 1	Plug type round	1250	0486000116100
Iveco 1	Plug type round	2095	0486000118100
Iveco - Irisbus 2	Plaselec	2100	0265050141000
Iveco - Irisbus 2	Socket type round	2100	0265050142000
Iveco - Irisbus 3	Socket type round	2000	0486000182100
Iveco - Irisbus 1	Plug type round	1990	0486000183100
Iveco - Irisbus 1	Plug type round	1390	0486000273100
Iveco - Irisbus 4	Plug type round	2050	0486001077100
MAN 14	Schlemmer	2500	0486000103N00
MAN 14	Schlemmer	2500	0486000104N00
MAN 6	Open	2000	0486000130100
MAN 5	Schlemmer	2555	0486000172000
MAN 5	Schlemmer	2555	0486000173000
MAN 6	Open	3555	0486000222100
MAN 5	Schlemmer	1300	0486000233181
MAN 5	Schlemmer	2000	0486000234181
MAN 5	Schlemmer	1300	0486000235181
MAN 5	Schlemmer	2000	0486000236181
MAN - Bus 5	Schlemmer	1300	0486000237N00
MAN - Bus 5	Schlemmer	2000	0486000238N00
MAN - Bus 5	Schlemmer	1300	0486000239N00
MAN - Bus 5	Schlemmer	2000	0486000240N00
MAN - Bus 5	Schlemmer	2000	0486000241N00
MAN - Bus 5	Schlemmer	2000	0486000242N00
MAN 5	Schlemmer	3555	0486000243N00
MAN 5	Schlemmer	3555	0486000244N00
MAN 5	Schlemmer	3555	0486000245N00
MAN 5	Schlemmer	3555	0486000246N00
MAN 7	G & H	1500	0486000250N00
MAN 7	G & H	1500	0486000251N00
MAN 7	G & H	1850	0486000252N00
MAN 7	G & H	1850	0486000253N00
MAN - Bus 7	G & H	2150	0486000254N00
MAN - Bus 7	G & H	2150	0486000255N00
MAN - Truck & Bus 7	G & H	2150	0486000256N00
MAN - Truck & Bus 7	G & H	2150	0486000257N00
MAN 7	G & H	2800	0486000258N00
MAN 7	G & H	2800	0486000259N00
MAN 7	G & H	1800	0486000260N00
MAN 7	G & H	1800	0486000261N00
MAN 7	G & H	3900	0486000262N00
MAN 7	G & H	3900	0486000263N00
MAN 7	G & H	1100	0486000276N00
MAN 7	G & H	1100	0486000277N00
MAN 13	MKR Plus	1000	0486000284N00
MAN 13	MKR Plus	1350	0486000285N00
MAN 12	Socket type round	300	0486001032100
MAN 8	Schlemmer	2000	0486001041N00
MAN 8	Schlemmer	2000	0486001042N00
MAN 11	G & H	2600	0486002001000
MAN 11	G & H	2600	0486002002000
Renault Trucks 3	Socket type round	1400	0486000039000
Renault Trucks 3	Plug type round	1390	0486000040000
Renault Trucks 7	Deutsch	2400	0486000071000
Renault Trucks 7	Deutsch	2400	0486000072000
Scania 9	Open	1895	0265050112000
Scania - Bus 11	Deutsch DT	2350	0486002003N00
Scania - Bus 11	Deutsch DT	2350	0486002004N00

Wheel Speed Sensor - Generate the speed signals from each individual wheel

Legend (Air)

- Supply
- ESS Signal
- Service Brake
- Parking Brake

Legend (Electrical)

- CAN-Signal "Control"
- CAN-Signal "Trailer"
- CAN-Signal "ESP"
- CAN-Signal "J1939"
- Electrical Signal
- WL Warning Lamp
- IL Information Lamp

Fodbremse Modul (FBM) 7

Fig. IAM Preferred Part No.

Iveco-Irisbus	1	K024928N50
MAN	2	K039569N50
MAN	2	K039571N50
Renault Trucks - Magnum	3	K040158N50
Renault Trucks - Premium	3	K040156N50
Scania - Truck	4	K044696N50
Scania - Bus	5	K044694N50
Volvo - Truck	6	K040159N50
Volvo - Bus	1	K024928N50

Foot Brake Module - Controls the EBS in normal operation by the means of travel sensors, with conventional control in 'back-up' mode

2-Kanals Elektro-Pneumatisk Modul (EPM) 6

Fig. IAM Preferred Part No.

Iveco - Irisbus	1	K020023N50
MAN	1	K020024N50
MAN	2	K023216N50
Renault Trucks	1	K023215N50
Scania	1	K032014N50
Volvo	1	K020023N50

2-channel Electro-Pneumatic Module (EPM) - Combines two 1-channel Electro-Pneumatic Modules into a single assembly

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