Engineering Release Notice (ERN)	Location	Change Description	A = Added U = Deleted	W = Was	Document Release Status **RELEASED**	
D-13277-72					Date 2006-05-17	Modification Count

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Document Title
WIRING DIAGRAM
B7, B9, B12

VOLVO

Volvo Bus Corporation

Document Type
TECHNICAL REGULATION

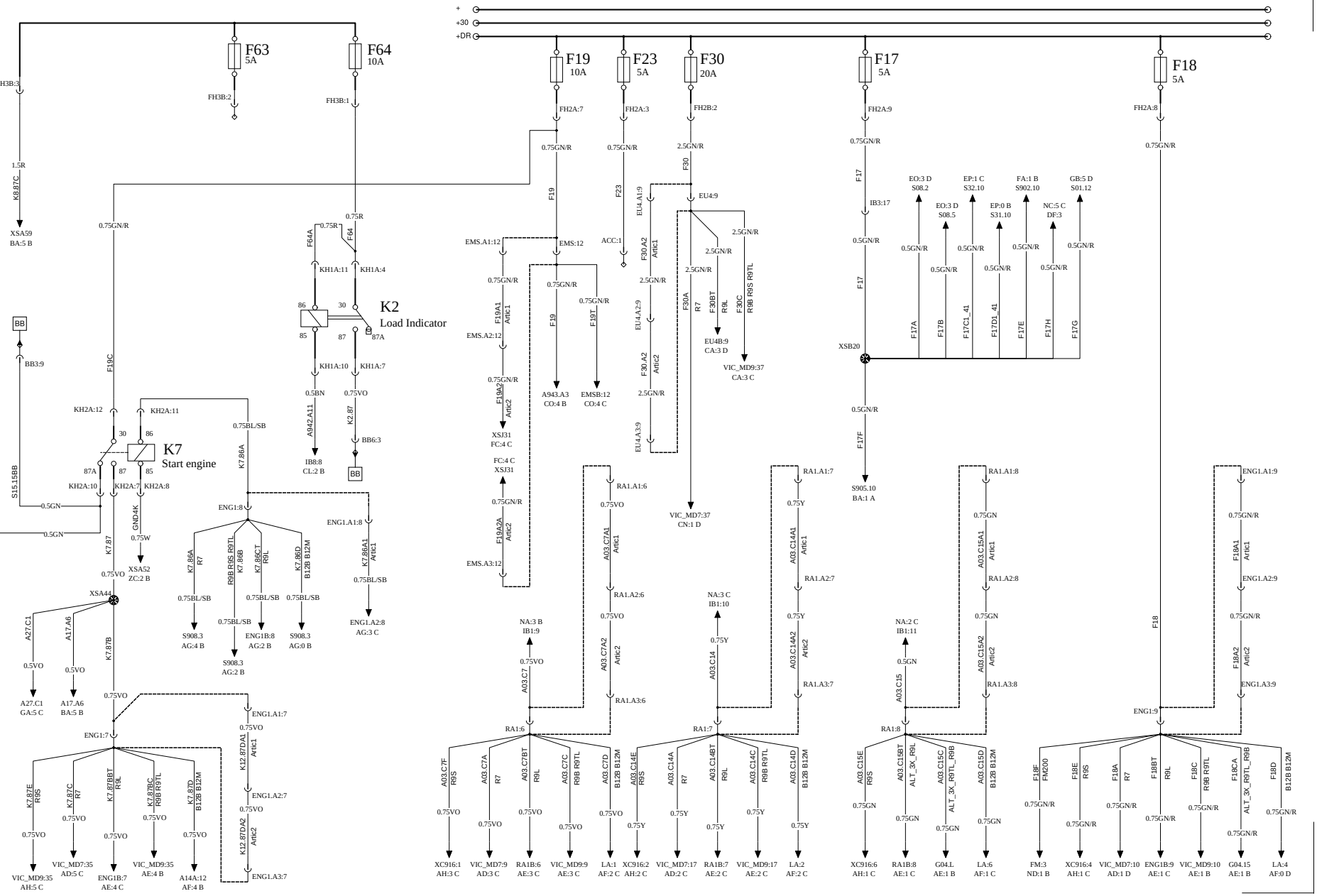
Owner Domain:Document Prefix

Document No	Issue Index	Volume No	Page No
20904123	**02**	01(02)	**1(48)**

EDM-W 2000-04-01

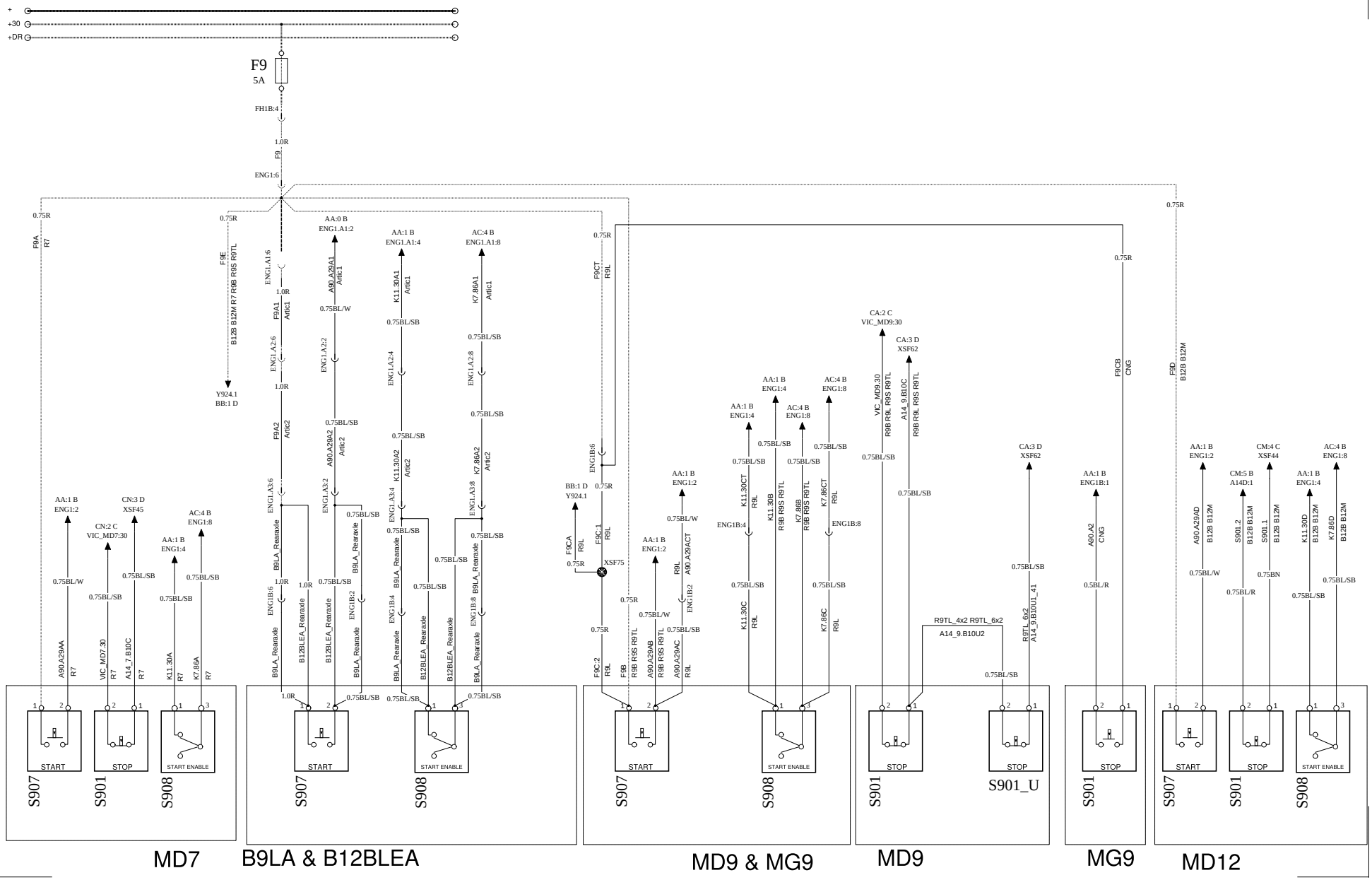
START ENGINE AND ALTERNATORS

WIRING DIAGRAM AC

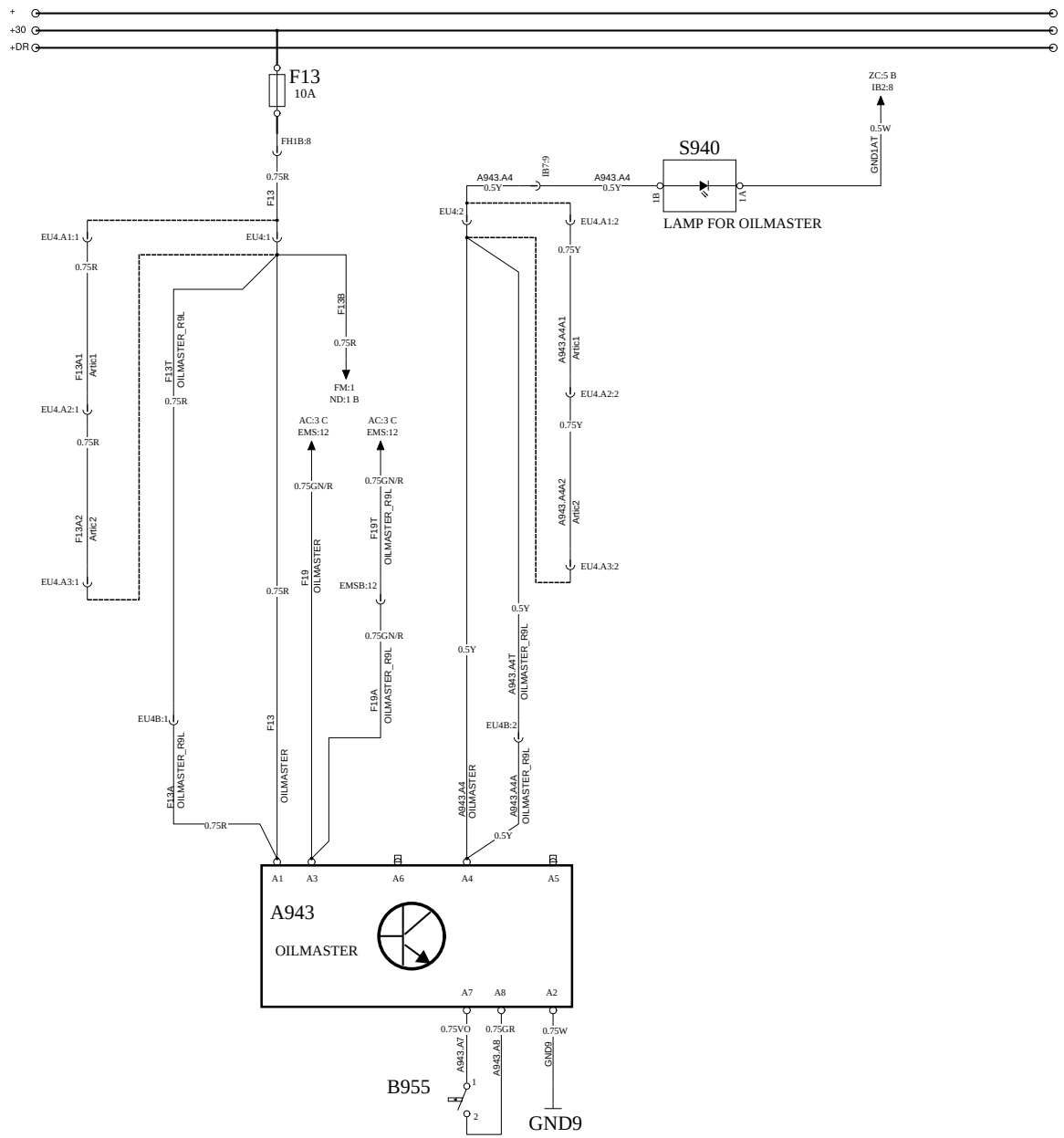


VOLVO Volvo Bus Corporation	Document title: WIRING DIAGRAM AC Document type: PRODUCT SCHEMATIC	Document No: 20904123	Issue: 02	Volume: 01(02)	Page: 04(48)

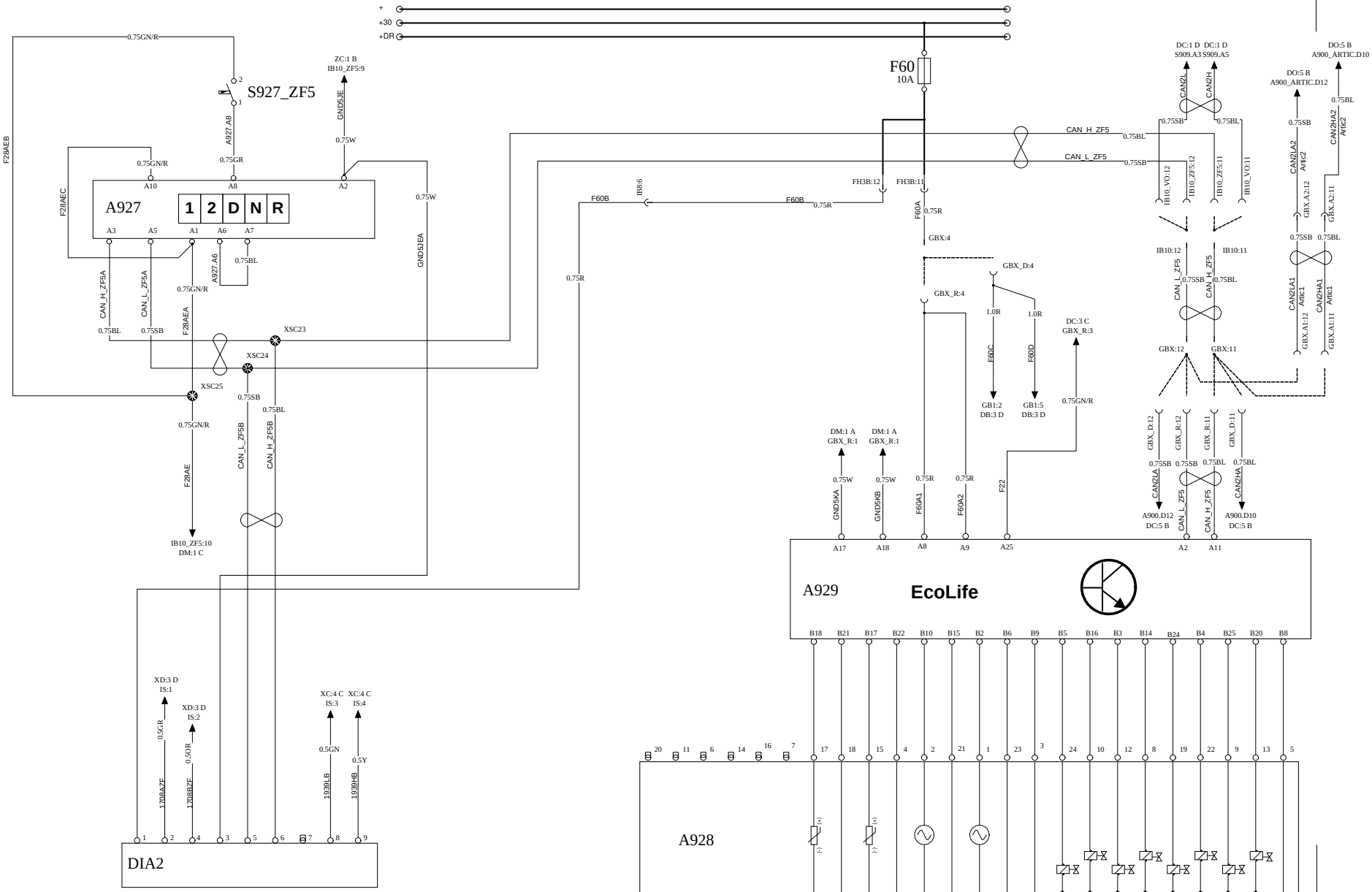
START/STOP SWITCHES REAR



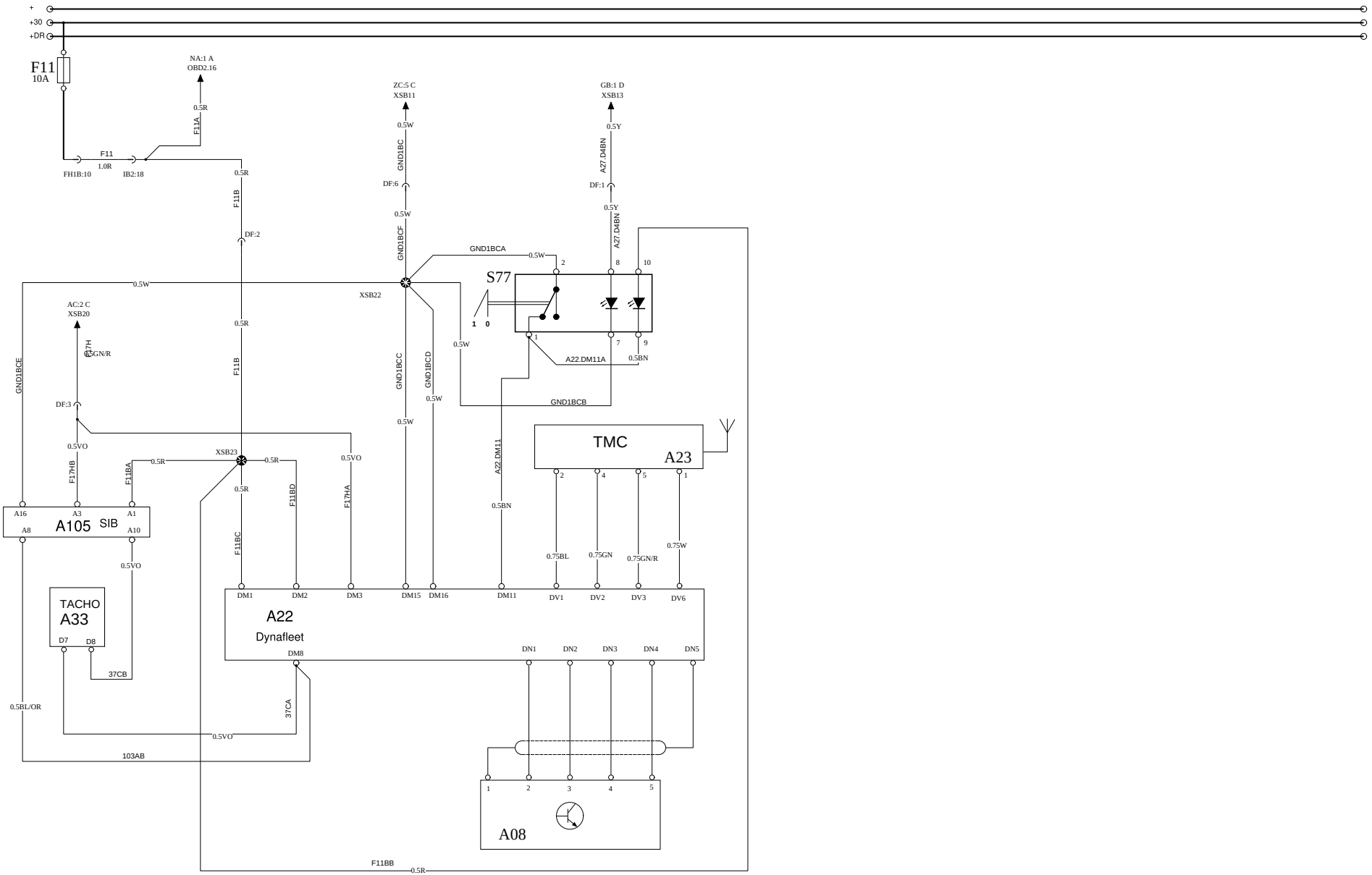
VOLVO Volvo Bus Corporation	Document title: WIRING DIAGRAM AG Document type: PRODUCT SCHEMATIC	Document No: 20904123	Issue: 02	Volume: 01(02)	Page: 08(48)



Volvo Bus Corporation	Document title: WIRING DIAGRAM CO Document type: PRODUCT SCHEMATIC	Document No: 20904123	Issue: 02	Volume: 01(02)	Page: 20(48)

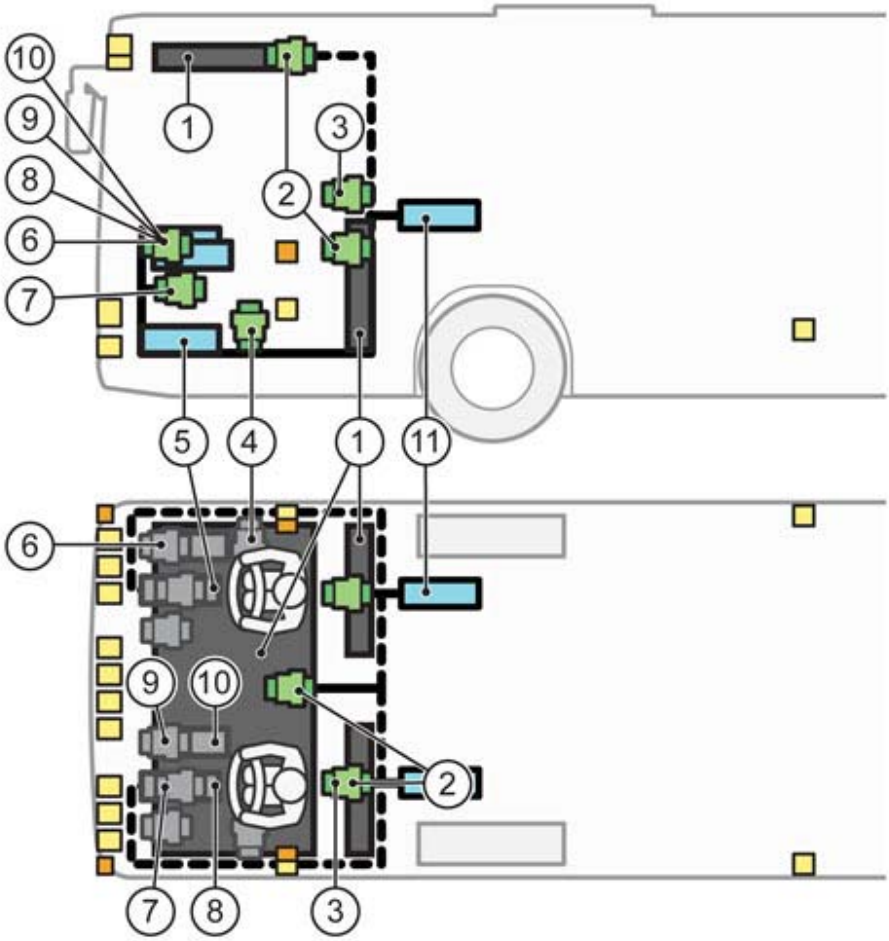


VOLVO Volvo Bus Corporation	Document title: WIRING DIAGRAM DD Document type: PRODUCT SCHEMATIC	Document No: 20904123	Issue: 02	Volume: 01(02)	Page: 26(48)



VOLVO Volvo Bus Corporation	Document title: WIRING DIAGRAM NC Document type: PRODUCT SCHEMATIC	Document No: 20904123	Issue: 02	Volume: 01(02)	Page: 44(48)

1 (driver environment)



The illustration shows in principle how the chassis cabling is routed and where the intermediate connector pieces, control units and electrical distribution units are located. The dashed lines show alternative cable routings. The illustration is used for both right-hand drive and left-hand drive vehicles, where of certain components are drawn in two places.

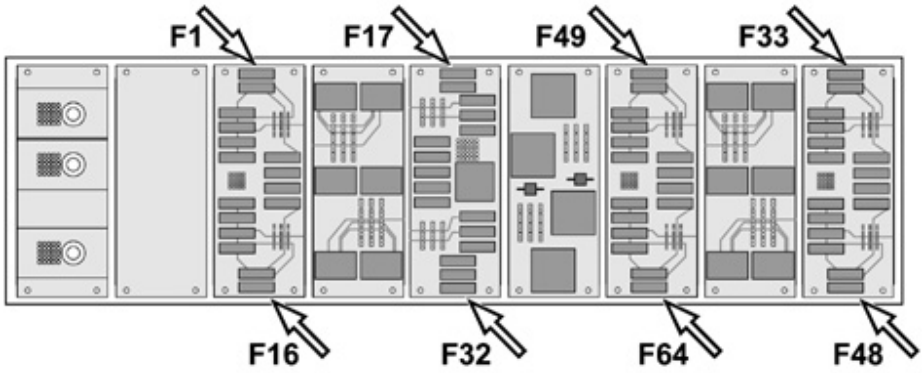
Note: The table includes components that the vehicle is not equipped with.

Placement	Components named according to wiring diagram
1	A16 (ECS)
	A17 (VECU)

See also, 300, Component placement, Description, Design and function

The reader is advised that printed copies are uncontrolled.

Fuses



Fuse	Rating	Designation
F1	5 A	ECS (air suspension control unit)
F2	10 A	BIC (instrument panel), lamp check switch
F3	15 A	Starting signal, starter motor
F4	20 A	EBS (brake control unit)
F5	5 A	Horn
F6	5 A	Emergency parking brake release
F71	15 A	TECU (transmission electronic control unit), gearbox I-shift
F81	5 A	GECU (gear selection control unit) I-shift
F9	5 A	Start switch, engine compartment
F10	5 A	Fire Alarm
F111	10 A	Dynafleet (option)
F12	5 A	Supply, main switch (+30) to body-builder outlet
F13	10 A	Automatic oil filling (option)
F14	5 A	BBM (Body Builder Module)
F15	15 A	EECU (Engine Electronic Control Unit), control valve, cooling fan
F16	5 A	VECU (Vehicle Electronic Control Unit)

See also, 300, Component placement, Description, Design and function

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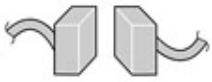
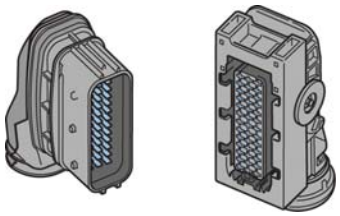
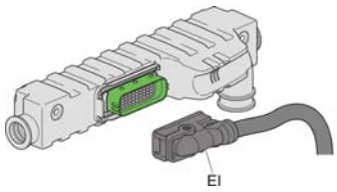
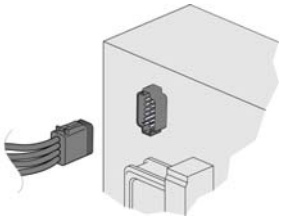
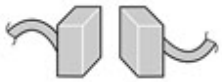
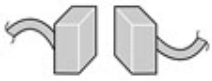
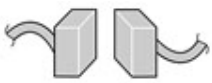
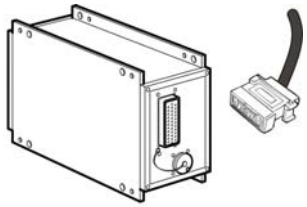
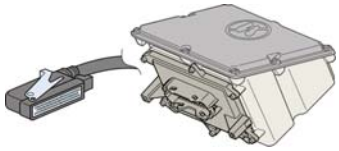
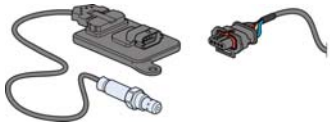
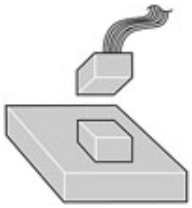
REV			
VIC/EI (D7E), MED, XC941		88890025	1 – 39
VIC/EI		88890025	1 – 39
X904.XC207		9990008	—
BB13			
GB1			
X25			
DPF			

A914.B		9990041	1 – 20
A914.C		9990041	1 – 20
A916.A		9998996	1 – 29
A916.B		9998996	31 – 46
A916.C		9998996	31 – 46
A917		88890052	1 – 35
A918		9990216	1 – 4
A925.A		9813194	1 – 30
A925.B		9998533	1 – 30
A925.C		9998604	26 – 30
A926	 	9998533	31 – 52

BILL OF MATERIAL/COMPONENT LIST

Part Name	Description	Location	Part Type
+30:1		{AB 0 D} {AB 4 D}	inline_connector
+B:1		{AB 0 D} {AB 5 D}	inline_connector
30UA:1		{CU 2 B}	inline_connector
30UB:1		{CU 2 B}	inline_connector
A03	BIC	{NA 4 B} {XC 5 C} {XD 5 C}	componentSymbol
A07	Radio	{IU 4 B}	componentSymbol
A08	Control unit GPS	{NC 3 A}	componentSymbol
A14A:1		{CM 5 C}	inline_connector
A14A:2		{XC 4 B}	inline_connector
A14A:3		{XC 4 B}	inline_connector
A14A:4		{XD 4 B}	inline_connector
A14A:5		{XD 4 B}	inline_connector
A14A:7		{CM 1 D}	inline_connector
A14A:8		{CM 3 C}	inline_connector
A14A:9		{CM 5 C}	inline_connector
A14A:10		{CM 1 C}	inline_connector
A14A:11		{CM 1 C}	inline_connector
A14A:12		{AF 4 B}	inline_connector
A14A_MG9:1		{CB 5 C}	inline_connector
A14A_MG9:2		{XC 3 B}	inline_connector
A14A_MG9:3		{XC 3 B}	inline_connector
A14A_MG9:4		{XD 2 A}	inline_connector
A14A_MG9:5		{XD 2 A}	inline_connector
A14A_MG9:6		{CB 1 A}	inline_connector
A14A_MG9:7		{BD 1 C} {BD 4 C}	inline_connector
A14A_MG9:8		{BD 1 C} {BD 4 C}	inline_connector
A14A_MG9:9		{CB 5 C}	inline_connector
A14A_MG9:10		{CB 1 D}	inline_connector
A14A_MG9:12		{CB 1 D}	inline_connector
A14B:1		{CM 4 C}	inline_connector
A14B:2		{CM 4 C}	inline_connector
A14B:3		{CM 4 C}	inline_connector
A14B:4		{CM 4 C}	inline_connector
A14B:5		{CM 2 C}	inline_connector
A14B:6		{CM 2 C}	inline_connector
A14B:7		{CM 5 B}	inline_connector

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Document Title
WIRING DIAGRAM
B7, B9, B12

VOLVO

Volvo Bus Corporation

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TECHNICAL REGULATION

Owner Domain:Document Prefix

Document No	Issue Index	Volume No	Page No
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Part Name	Description	Location	Part Type
BB6.A3:2		{GA 3 C}	inline_connector
BB6.A3:4		{GA 2 D}	inline_connector
BB6.A3:5		{BB 2 C}	inline_connector
BB6.A3:6		{BB 3 D}	inline_connector
BB6.A3:12		{GA 2 B}	inline_connector
BB6:1	Starter inhibitor, engine hatch	{BC 3 B}	inline_connector
BB6:2	N/A	{GA 3 D}	inline_connector
BB6:3	AC compressor 3	{AC 4 C}	inline_connector
BB6:4	+30 main swith(fuse F54)	{GA 3 D}	inline_connector
BB6:5	Luggage hatch, open	{BB 2 B}	inline_connector
BB6:6	Luggage compartment light	{BB 3 C}	inline_connector
BB6:12	Reverse warning signal	{GA 2 B}	inline_connector
BB6A:4	+30 main switch (switch F54)	{GD 5 D}	inline_connector
BB6A:5	Luggage hatch,open	{GD 4 D}	inline_connector
BB6A:6	Luggage compartment light	{GD 3 D}	inline_connector
BB6B:1	Starter inhibitor, engine hatch	{BC 3 B}	inline_connector
BB6B:2		{GA 3 C}	inline_connector
BB6B:4		{GA 3 C}	inline_connector
BB6B:5	Luggage hatch, open	{BB 2 B}	inline_connector
BB6B:6	Luggage hatch, open	{BB 3 D}	inline_connector
BB6B:12	Direction indicator.Rear left	{GA 2 B}	inline_connector
BB7.A1:1		{GC 3 C}	inline_connector
BB7.A1:2		{GA 1 B}	inline_connector
BB7.A1:3		{GA 4 B}	inline_connector
BB7.A1:4		{GC 3 C}	inline_connector
BB7.A1:5		{GA 4 B}	inline_connector
BB7.A1:6		{GC 2 C}	inline_connector
BB7.A1:7		{GA 5 B}	inline_connector
BB7.A1:8		{GC 1 C}	inline_connector
BB7.A1:9		{GC 5 C}	inline_connector
BB7.A1:10		{GC 4 C}	inline_connector
BB7.A1:11		{GA 3 B}	inline_connector
BB7.A1:12		{GA 3 B}	inline_connector
BB7.A2:1		{GC 3 C}	inline_connector
BB7.A2:2		{GA 1 B}	inline_connector
BB7.A2:3		{GA 4 B}	inline_connector
BB7.A2:4		{GC 3 C}	inline_connector
BB7.A2:5		{GA 4 B}	inline_connector
BB7.A2:6		{GC 2 C}	inline_connector
BB7.A2:7		{GA 5 B}	inline_connector
BB7.A2:8		{GC 1 C}	inline_connector
BB7.A2:9		{GC 5 C}	inline_connector
BB7.A2:10		{GC 4 C}	inline_connector
BB7.A2:11		{GA 3 B}	inline_connector
BB7.A2:12		{GA 3 B}	inline_connector
BB7.A3:1		{GC 3 C}	inline_connector
BB7.A3:2		{GA 1 B}	inline_connector
BB7.A3:3		{GA 4 B}	inline_connector
BB7.A3:4		{GC 3 B}	inline_connector
BB7.A3:5		{GA 4 B}	inline_connector
BB7.A3:6		{GC 2 B}	inline_connector

Part Name	Description	Location	Part Type
ENG1.A2:8		{AG 3 C}	inline_connector
ENG1.A2:9		{AC 0 B}	inline_connector
ENG1.A2:10		{NA 0 B}	inline_connector
ENG1.A2:11		{NA 4 D}	inline_connector
ENG1.A2:12		{ZC 3 B}	inline_connector
ENG1.A3:1		{AA 1 A}	inline_connector
ENG1.A3:2		{AG 4 B}	inline_connector
ENG1.A3:3		{BD 1 A}	inline_connector
ENG1.A3:4		{AG 4 B}	inline_connector
ENG1.A3:5		{BD 2 D}	inline_connector
ENG1.A3:6		{AG 4 B}	inline_connector
ENG1.A3:7		{AC 4 A}	inline_connector
ENG1.A3:8		{AG 3 B}	inline_connector
ENG1.A3:9		{AC 0 B}	inline_connector
ENG1.A3:11		{NA 4 D}	inline_connector
ENG1:1		{AA 2 B}	inline_connector
ENG1:2		{AA 1 B}	inline_connector
ENG1:3		{BD 3 A}	inline_connector
ENG1:4		{AA 1 B}	inline_connector
ENG1:5		{BD 3 D}	inline_connector
ENG1:6		{AG 4 D}	inline_connector
ENG1:7		{AC 5 B}	inline_connector
ENG1:8		{AC 4 B}	inline_connector
ENG1:9		{AC 1 B}	inline_connector
ENG1:10		{NA 0 B}	inline_connector
ENG1:11		{NA 0 D} {NA 5 D}	inline_connector
ENG1:12		{ZC 3 B}	inline_connector
ENG1B:1		{AA 1 B}	inline_connector
ENG1B:2		{AG 4 B} {AG 3 B}	inline_connector
ENG1B:3		{BD 1 B} {BD 5 B}	inline_connector
ENG1B:4		{AG 4 B} {AG 2 B}	inline_connector
ENG1B:5		{BD 1 C} {BD 5 D}	inline_connector
ENG1B:6		{AG 4 B} {AG 3 C}	inline_connector
ENG1B:7		{AE 4 C}	inline_connector
ENG1B:8		{AG 3 B} {AG 2 B}	inline_connector
ENG1B:9		{AE 1 C}	inline_connector
ENG1B:11		{NA 4 D}	inline_connector
Engine_block	Grund	{CM 0 C}	global_terminal_connector
EU4.A1:1		{CO 5 D}	inline_connector
EU4.A1:2		{CO 3 D}	inline_connector
EU4.A1:3	Indoor temperature -	{NA 4 B}	inline_connector
EU4.A1:8		{BA 4 C}	inline_connector
EU4.A1:9		{AC 3 D}	inline_connector
EU4.A1:10		{CU 4 D}	inline_connector
EU4.A1:11		{CV 0 C}	inline_connector

Part Name	Description	Location	Part Type
IB10_VO:11		{DD 0 D}	inline_connector
IB10_VO:12		{DD 1 D}	inline_connector
IB10_ZF5:9		{ZC 1 B}	inline_connector
IB10_ZF5:10		{DM 1 C}	inline_connector
IB10_ZF5:11		{DD 0 D}	inline_connector
IB10_ZF5:12		{DD 1 D}	inline_connector
IB10_ZF:9		{ZC 1 B}	inline_connector
IB10_ZF:10		{DM 1 C}	inline_connector
IS:1		{XD 3 D}	inline_connector
IS:2		{XD 3 D}	inline_connector
IS:3		{XC 4 C}	inline_connector
IS:4		{XC 4 C}	inline_connector
K2	Load Indicator	{AC 4 C}	componentSymbol
K3	ECS	{FA 0 B}	componentSymbol
K4	I-Shift/Voith	{DN 4 D}	componentSymbol
K5	EGS	{DA 4 D}	componentSymbol
K6	EGS	{DA 5 D}	componentSymbol
K7	Start engine	{AC 5 C}	componentSymbol
K8	VECU/EMS	{BA 5 C}	componentSymbol
K9	Wiper/Washer	{GM 2 C}	componentSymbol
K11	Prevent start engine	{AA 2 C}	componentSymbol
K12	Luggage Light	{BB 3 C}	componentSymbol
K13		{AA 4 D}	componentSymbol
K14	Bogie	{BB 0 C}	componentSymbol
K15	RECU	{DM 4 C}	componentSymbol
K16	RECU	{DM 4 C}	componentSymbol
K17	Ignition +15	{AA 1 D}	componentSymbol
K25	EXHAUST FLAP	{CN 1 C}	componentSymbol
K35	relay_disconn_headlight_wash	{GM 4 C}	componentSymbol
K48	Relay Engine Preheating	{CN 1 C} {CM 0 D}	componentSymbol
K51	Power relay,battery main switch	{AB 0 B}	componentSymbol
K200		{CN 4 D}	componentSymbol
K902		{CU 3 B}	componentSymbol
K903		{CU 3 B}	componentSymbol
K906	Relay_Turntable_failure	{FC 5 C}	componentSymbol
K908		{CU 4 B}	componentSymbol
K909		{CU 2 B}	componentSymbol
KH1A:1		{FA 0 B}	inline_connector
KH1A:2		{FA 0 B}	inline_connector
KH1A:3		{FA 0 B}	inline_connector
KH1A:4		{AC 4 C}	inline_connector
KH1A:5		{FA 0 B}	inline_connector
KH1A:7		{AC 4 C}	inline_connector
KH1A:10		{AC 4 C}	inline_connector
KH1A:11		{AC 4 C}	inline_connector
KH1B:1		{DN 4 D}	inline_connector
KH1B:2		{DN 4 D}	inline_connector
KH1B:3		{DN 4 D}	inline_connector
KH1B:4		{DA 4 D}	inline_connector
KH1B:5		{DN 4 D}	inline_connector

Part Name	Description	Location	Part Type
XSF84		{CV 4 D} {CV 4 D}	physical_splice_connector
XSF85		{CV 4 D} {CV 3 C}	physical_splice_connector
XSF86		{CV 4 D}	physical_splice_connector
XSF87		{CV 4 C}	physical_splice_connector
XSF88		{CV 5 D}	physical_splice_connector
XSF89		{CV 4 C}	physical_splice_connector
XSF90		{CV 3 D}	physical_splice_connector
XSF91		{CV 2 D}	physical_splice_connector
XSF100		{CV 2 C}	physical_splice_connector
XSF101		{CV 2 B}	physical_splice_connector
XSG01		{AD 1 C}	physical_splice_connector
XSG02		{AD 3 B}	physical_splice_connector
XSG03		{AH 3 B}	physical_splice_connector
XSG04		{AH 2 B}	physical_splice_connector
XSG05		{AE 3 B}	physical_splice_connector
XSG06		{AF 0 C}	physical_splice_connector
XSG07		{AF 2 B}	physical_splice_connector
XSJ01		{GD 2 B}	physical_splice_connector
XSJ02		{GD 1 C}	physical_splice_connector
XSJ03		{GD 0 B}	physical_splice_connector
XSJ04		{GD 4 C}	physical_splice_connector
XSJ05		{GD 5 C}	physical_splice_connector
XSJ06		{GD 2 B}	physical_splice_connector
XSJ07		{ZC 0 D}	physical_splice_connector
XSJ09		{FB 4 B}	physical_splice_connector
XSJ10		{FB 4 C}	physical_splice_connector
XSJ11		{FB 1 B}	physical_splice_connector
XSJ12		{FB 1 B}	physical_splice_connector
XSJ13		{DO 3 C}	physical_splice_connector
XSJ14		{DO 3 C}	physical_splice_connector
XSJ15		{DO 3 C}	physical_splice_connector
XSJ17		{BB 1 D}	physical_splice_connector
XSJ18		{FB 5 B}	physical_splice_connector
XSJ19		{FB 5 B}	physical_splice_connector
XSJ20		{FA 2 D}	physical_splice_connector
XSJ30		{FC 4 C}	physical_splice_connector
XSJ31		{FC 4 C}	physical_splice_connector
XSJ32		{FC 5 B}	physical_splice_connector
XSJ34		{ZC 4 B}	physical_splice_connector
XSJ35		{XC 2 B}	physical_splice_connector
XSJ36		{XC 2 B}	physical_splice_connector
XSJ37		{FC 3 D}	physical_splice_connector
XSK1		{CG 4 C}	physical_splice_connector
XSK4		{CG 2 C}	physical_splice_connector
XSK5		{CG 2 D}	physical_splice_connector
XSK6		{CG 2 C}	physical_splice_connector
XSK7		{CG 2 D}	physical_splice_connector
XSL1		{CG 3 A}	physical_splice_connector
XSL2		{CG 1 A}	physical_splice_connector
XSL10		{CU 3 A}	physical_splice_connector