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Cable harness routing in vehicle

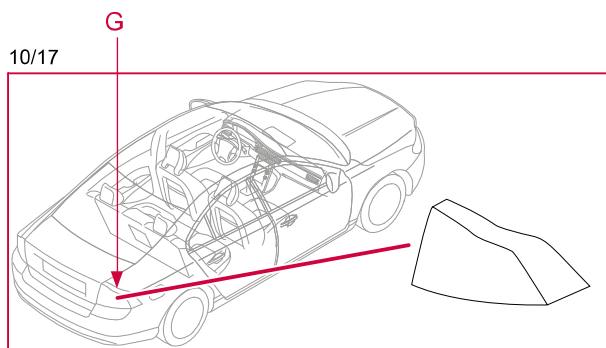
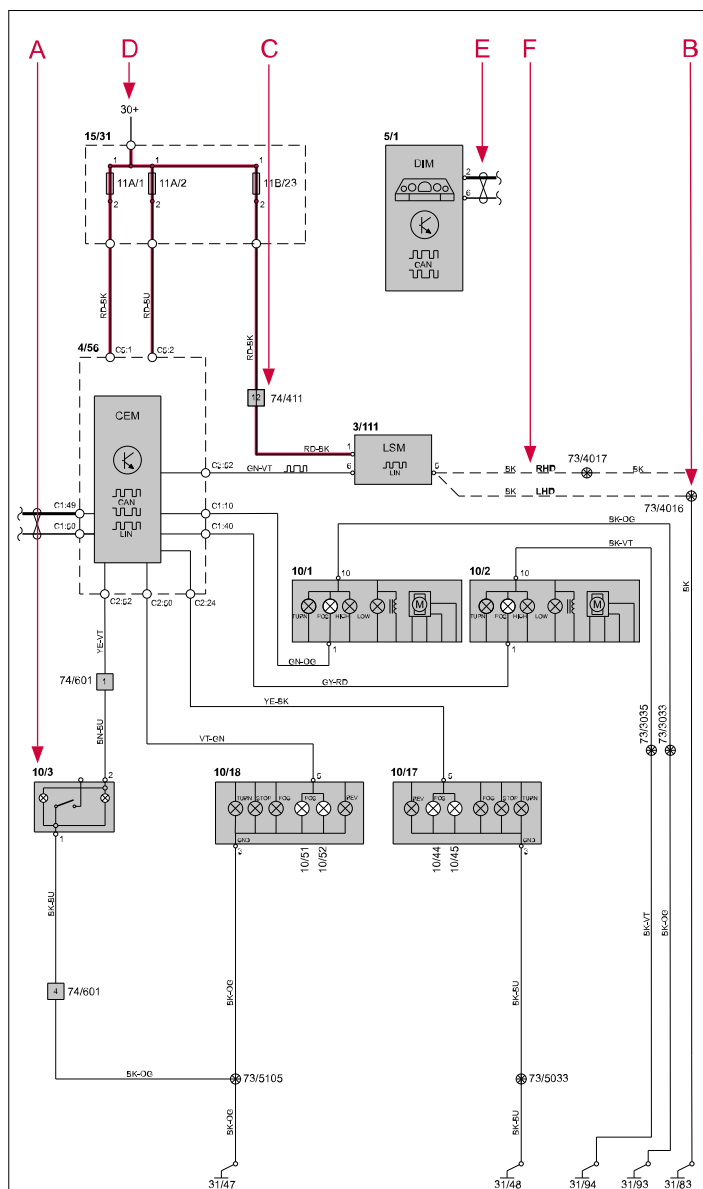
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How to use the wiring diagrams 2:2



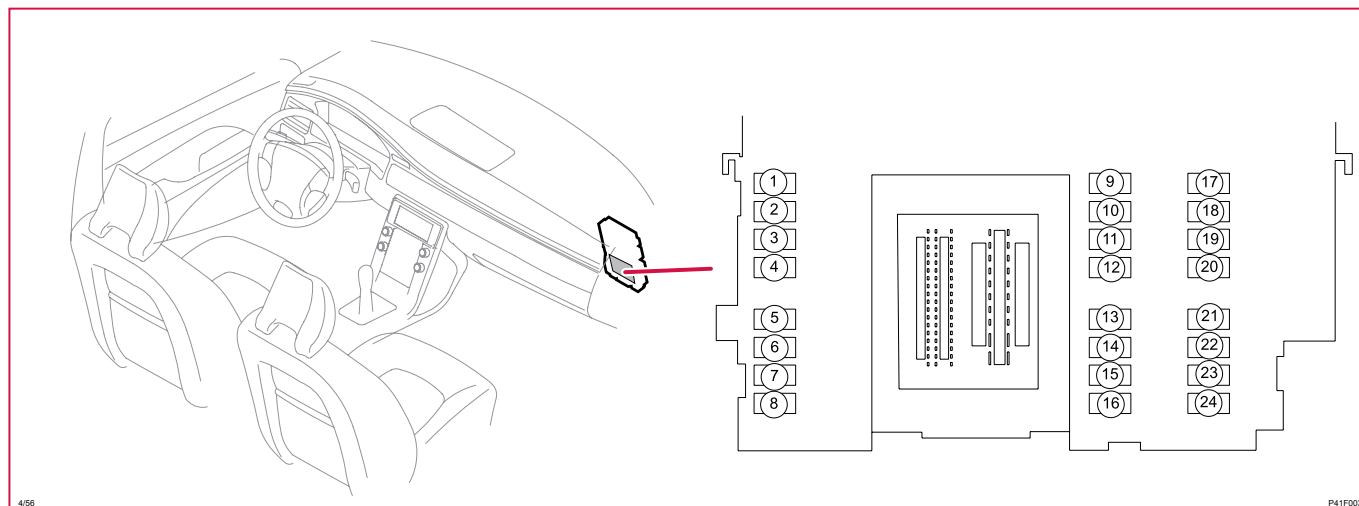
List of symbols

- = System voltage
- = Ground connection via wiring
- = Ground connection in component/chassis
- = Screened wire
- = Junction point
- = Twisted cable
- = Electrical connection
- = Variant
- = CAN communication
- = CAN high data signal (CAN H)
- = CAN low data signal (CAN L)
- = LIN communication
- = LIN communication
- = DIN cable, coaxial cable, etc.
- = Data communication
- = CAN communication
- = MOST communication
- = MOST communication
- = Connection with distribution box
- = Further connection to...
- = Connector between cable harnesses
- = Connector connected in component

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Fuses

Central Electronic Module (CEM) F1 - F5

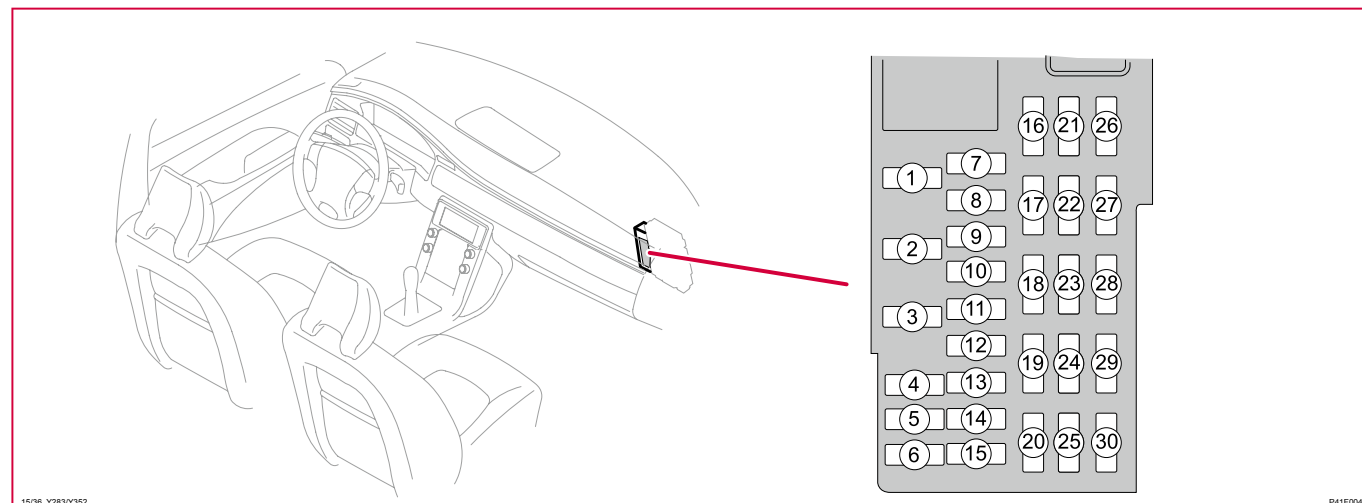


4/56 Central Electronic Module (CEM)

No.	Fuse function	via	A
F1	- -	-	-
F2	- -	-	-
F3	3/26 Switch unit, power driver seat 3/27 Switch unit, power passenger seat 3/176 Switches, power window, driver door 4/52 Power Seat Module (PSM) 10/29 Glove compartment light 10/97 Courtesy light, front left 10/102 Courtesy light, front right 10/122 Courtesy light, rear left 10/123 Courtesy light, rear right 10/127 Light, luggage compartment, left 10/294 Ground illumination light, rear door left 10/295 Ground illumination light, rear door right 17/45 Alcohol lock outlet 26/8 Alcohol lock charging cradle	- - - - - - - - - - - - - -	7,5
F4	5/1 Driver Information Module (DIM)	-	5
F5	4/80 Forward Sensing Module (FSM), ACC 7/203 Forward-aimed Radar (FLR), ACC	- -	10
Continues			

Fuses

Distribution box, passenger compartment F22 - F30

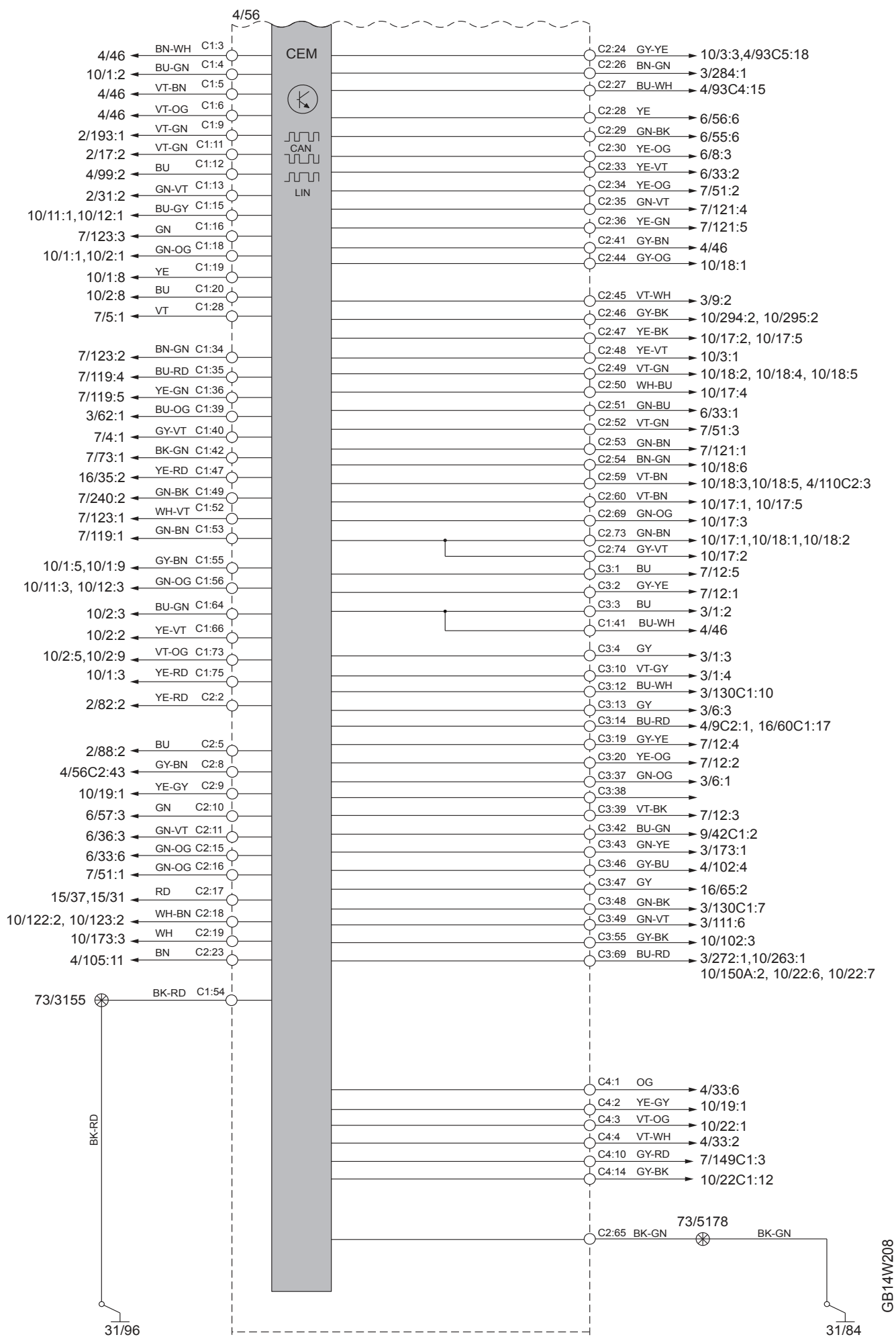


15/36 Distribution box, passenger compartment

No.	No.	Fuse function	via	A
F22	11C/22	9/1 Outlet 12V front 9/25 Rear 12V outlet 16/45 Portable navigation system 16/49 Traffic Message Channel module (TMC) 16/164 Display and DVD, left headrest (RSE) 16/165 Display and DVD, right headrest (RSE) 27/8 Camera, wide angle, front	- - 9/25 9/25 9/1 9/1 9/1	15
F23	11C/23	9/15 Control module, rear right seat heater	-	15
F24	11C/24	9/14 Control module, rear left seat heater	-	15
F25	11C/25	9/42 PTC-element 16/205 Dedicated short range communication unit (DSRC), DSRC	- -	5
F26	11C/26	4/105 Seat Heating Module (SHM), Right side, [9/13]	-	15
F27	11C/27	4/104 Seat Heating Module (SHM), Left side, [9/12]	-	15
F28	11C/28	4/86 Parking Assistance Module (PAM), PDC 4/126 Side Obstacle Detection Module left (SODL), BLIS 4/127 Side Obstacle Detection Module right (SODR), BLIS 27/6 Camera, PAC	- - - -	5
F29	11C/29	4/82 Differential Electronic Module (DEM), 4WD	-	15
F30	11C/30	6/74 Motor, sun curtain	-	15

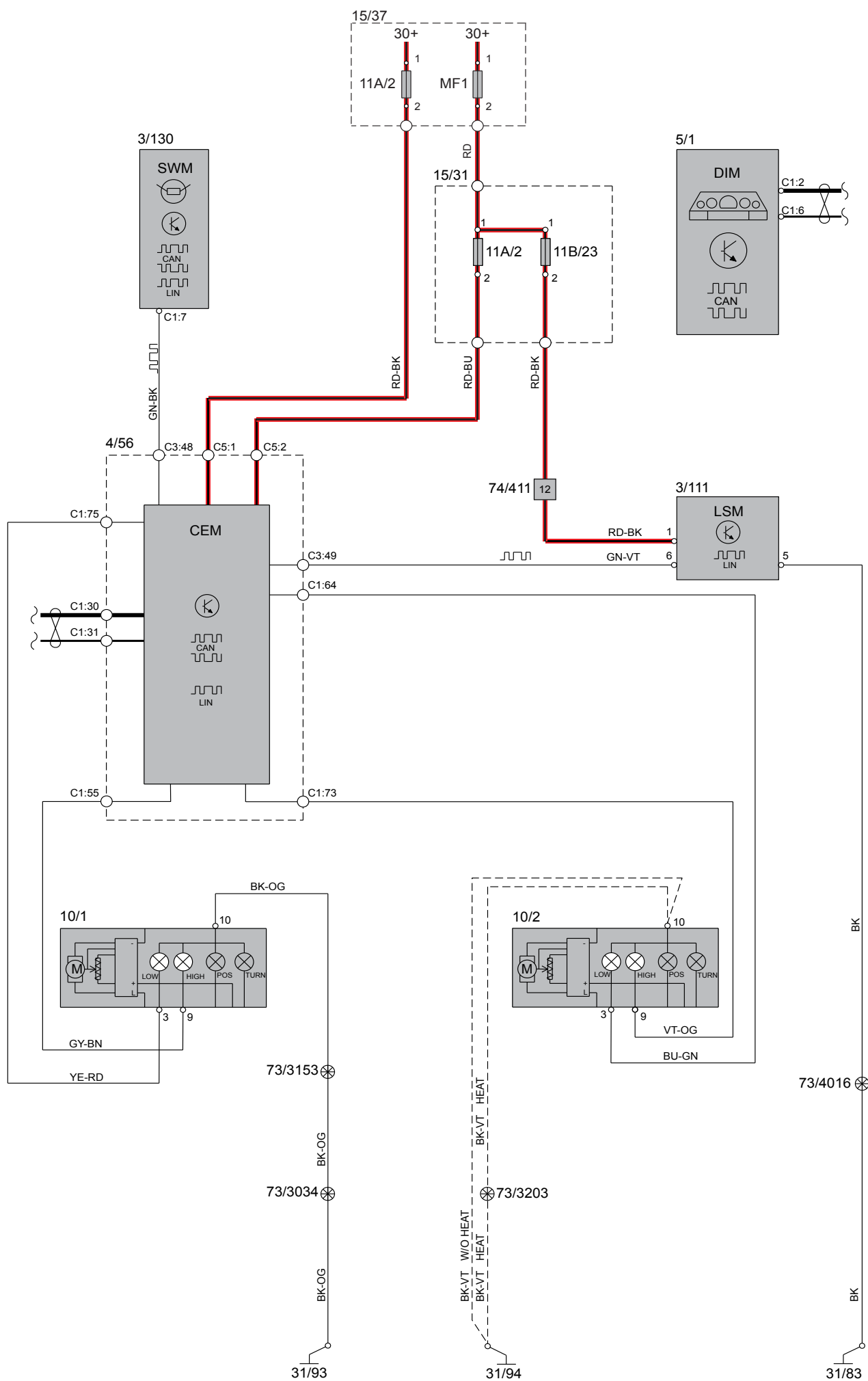
Control modules

Central Electronic Module (CEM), 3:3

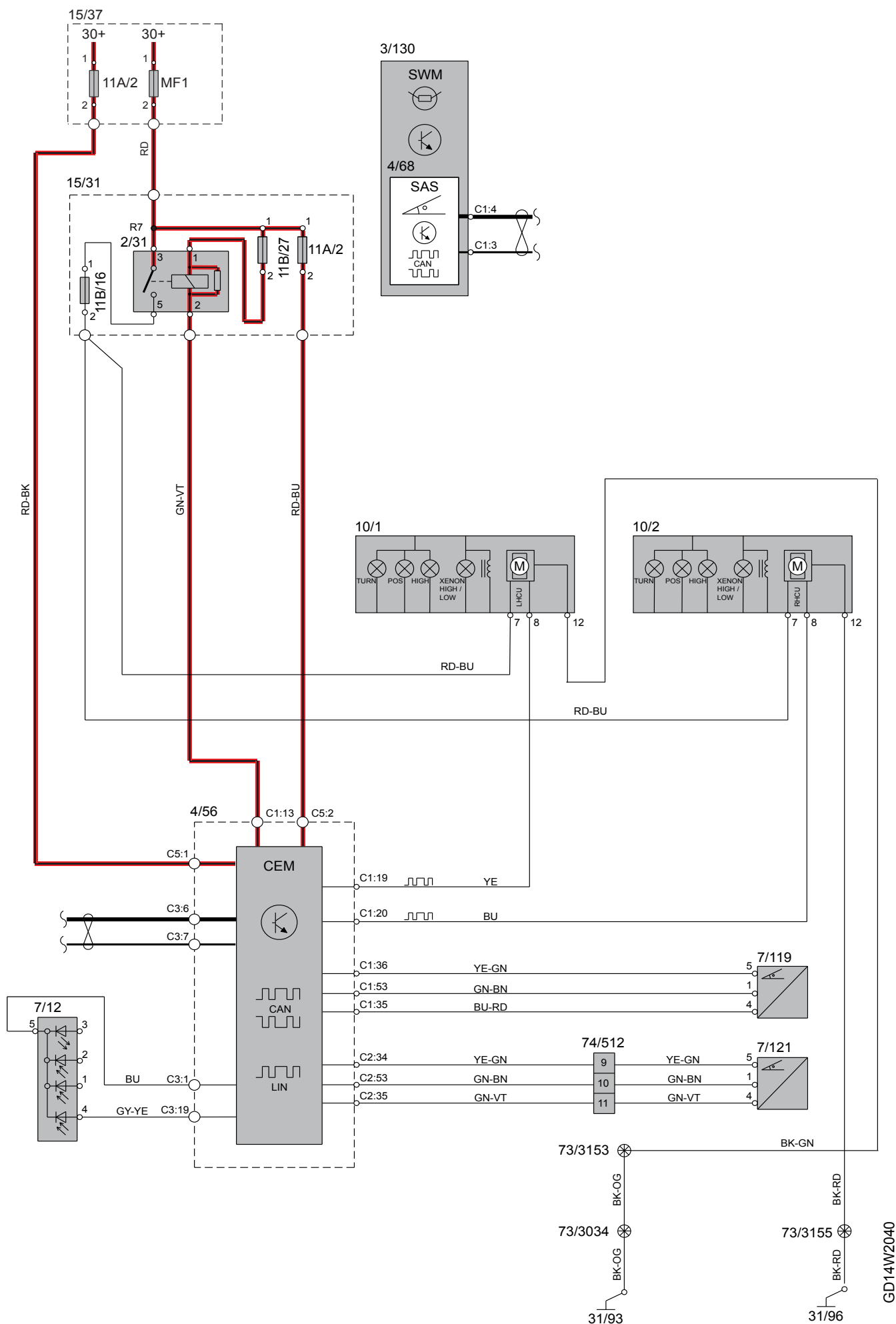


Group 35 Lighting

High and low beam - Halogen

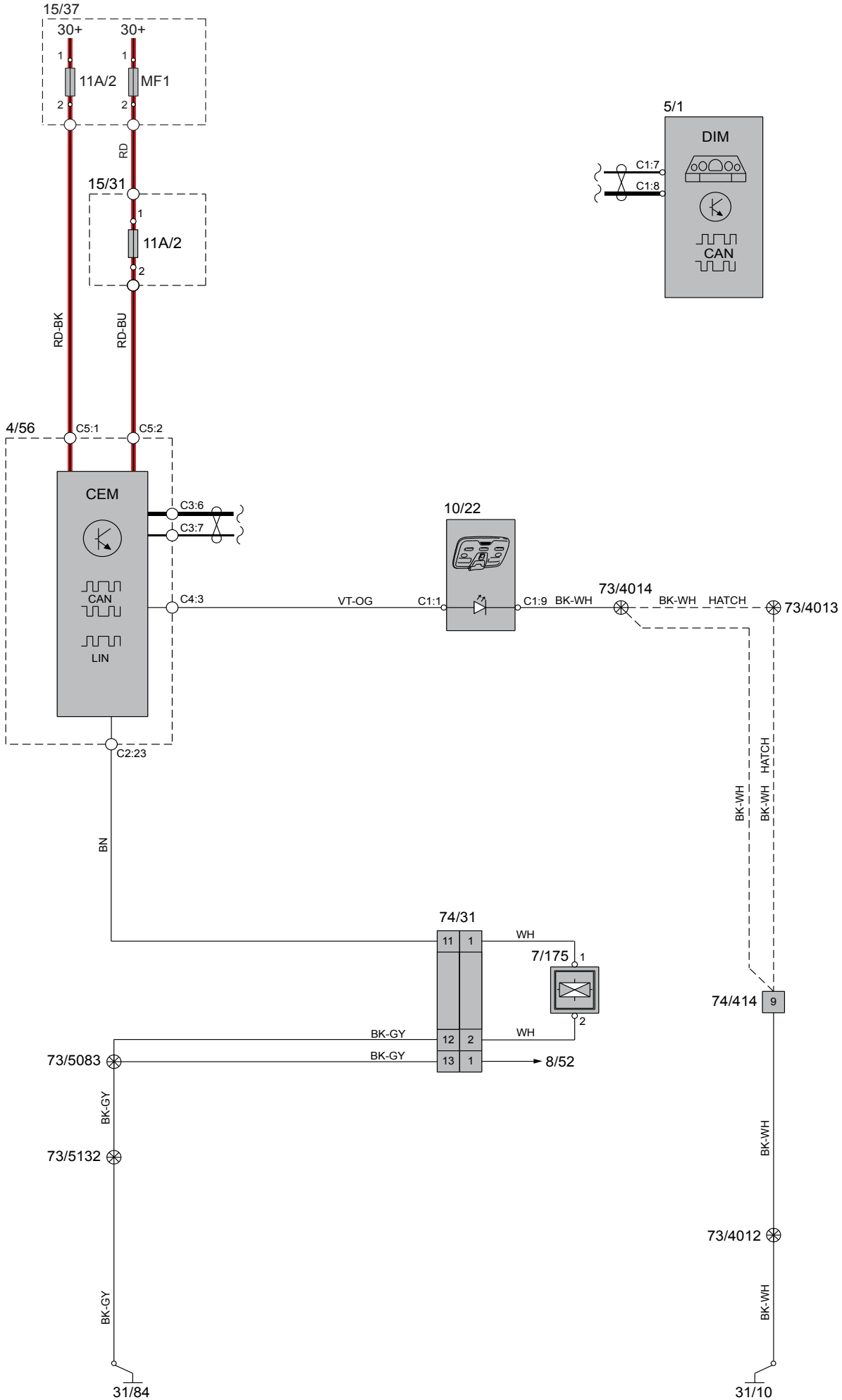


Group 35 Lighting Active headlight, GDL

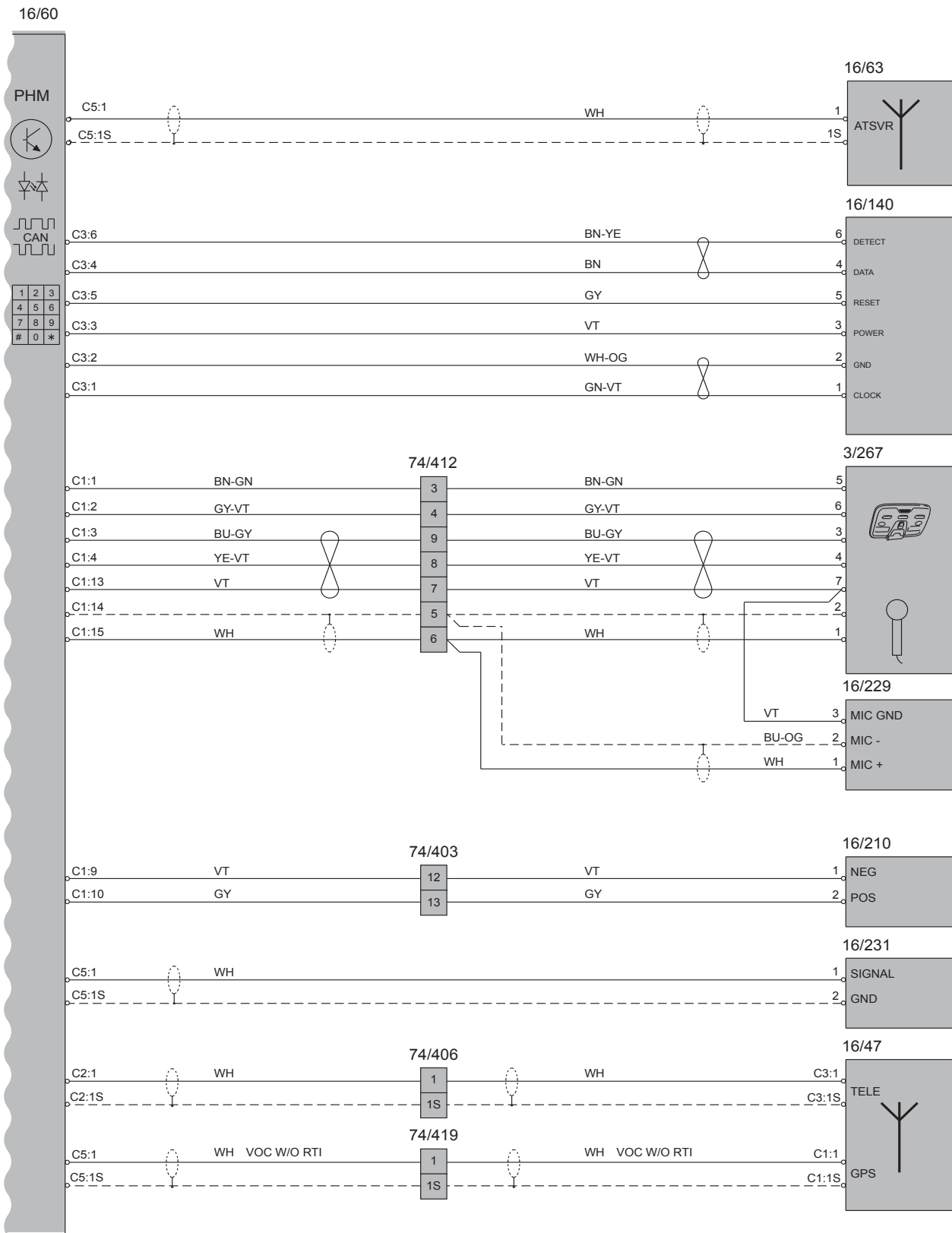


Group 38 Instruments

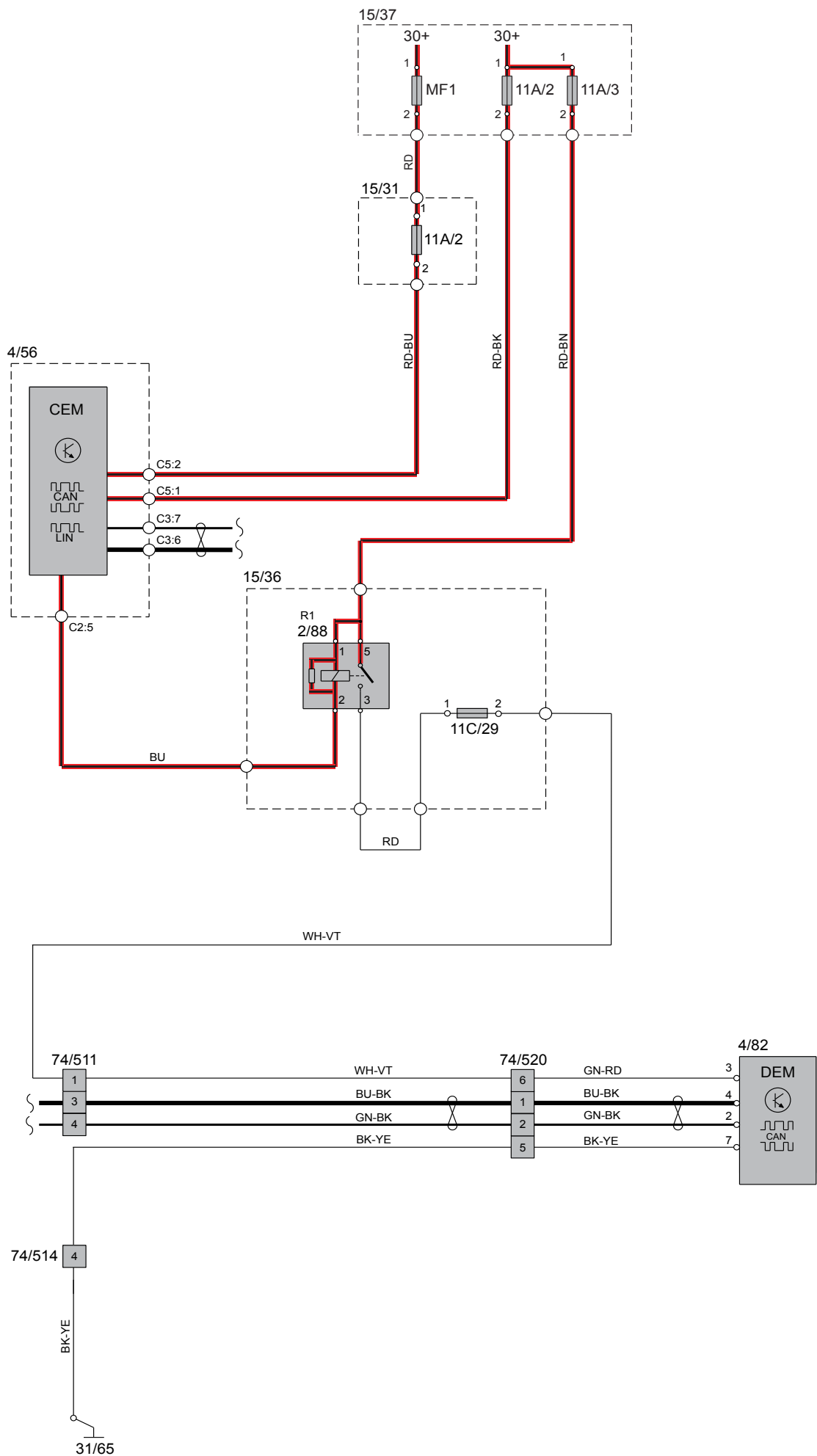
Seat belt reminder



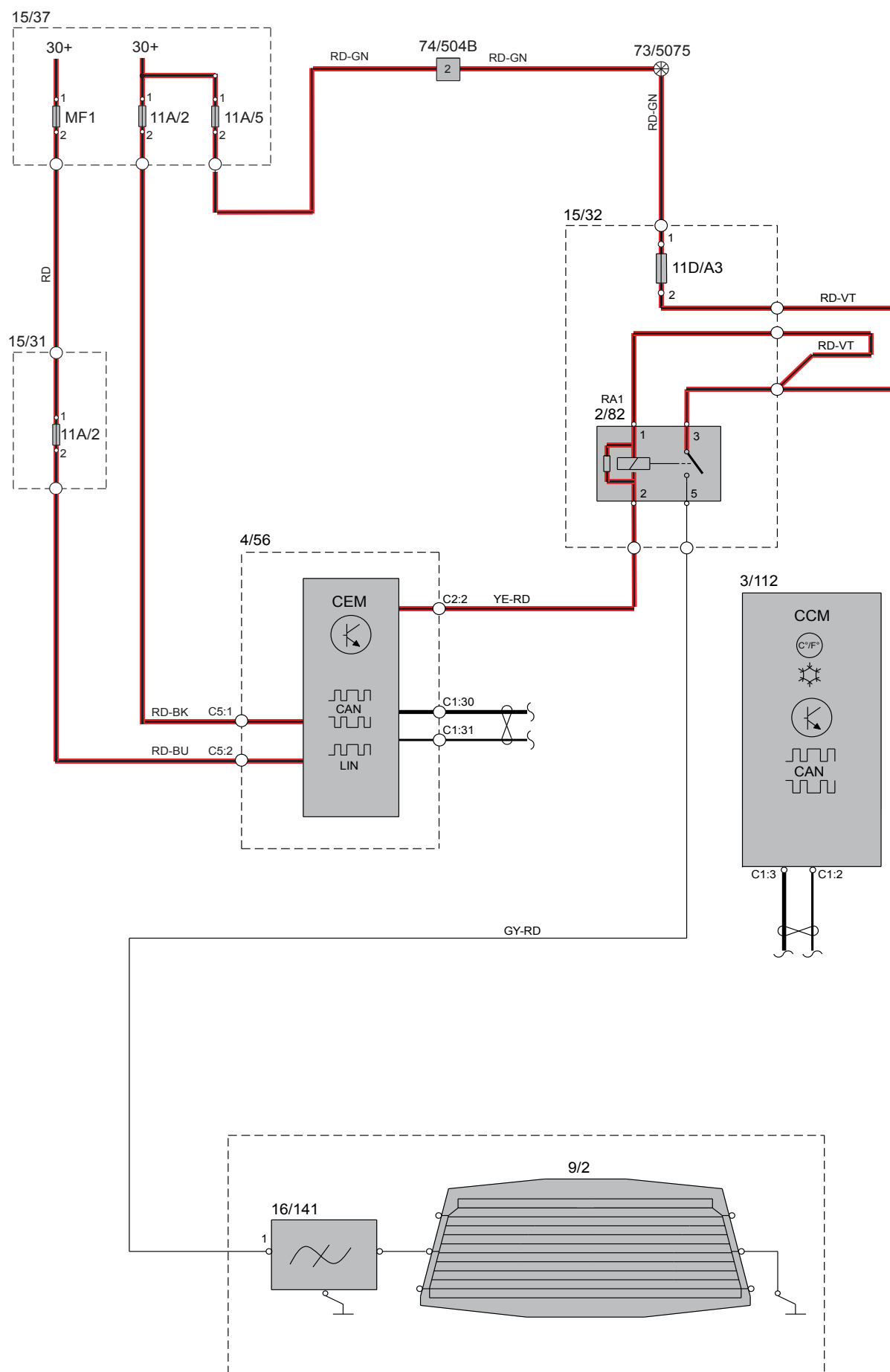
Group 39 Other
Cellular phone, 2:2



Group 43 Transmission
Differential Electronic System (DEM), 4WD

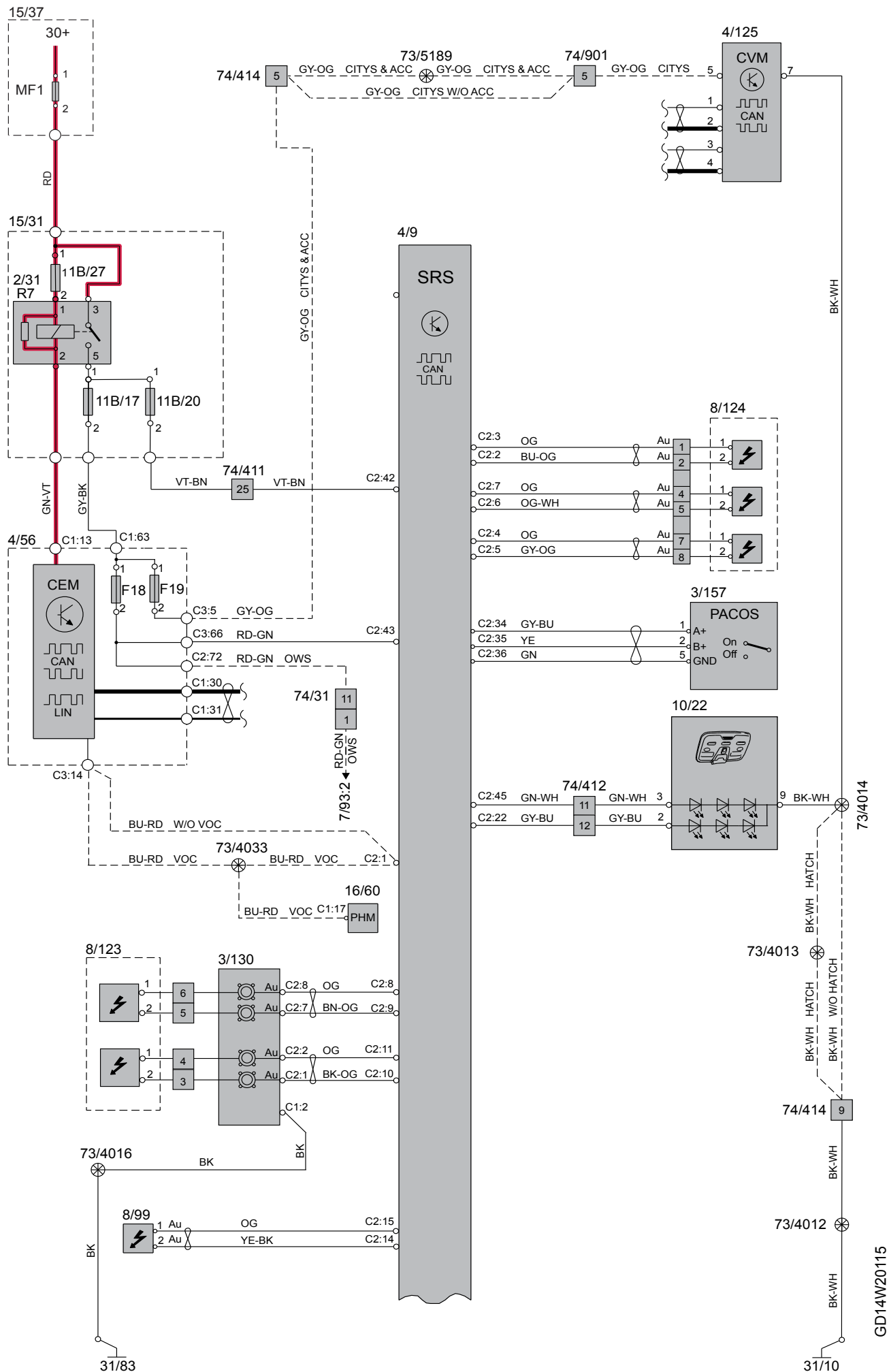


Group 84 Exterior decorative elements, etc. Heated rear window



Group 88 Internal equipment

Supplemental restraint system, 1:2



Connectors

74/412:17-22 - 74/414

74/412

22-pin Gray

No.	Dashboard harness			Roof harness		
17	74/411:5	Connector, ACC	GY-BU	4/80C1:9	Forward Sensing Module (FSM), ACC	GY-BU
18	74/411:4	Connector, ACC	BN-BU	4/80C1:10	Forward Sensing Module (FSM), ACC	BN-BU
19	73/4010	Branching point	BN-VT	73/4047 8/48:3	Branching point, HUS & ADIM Auto-dimming external mirror, ADIM	BN-VT BN-VT
20	73/4006	Branching point	GN-BK	73/5098 73/5155	Branching point, W/O ACC Branching point, ACC	GN-BK GN-BK
21	-	-	-	-	-	-
22	-	-	-	-	-	-

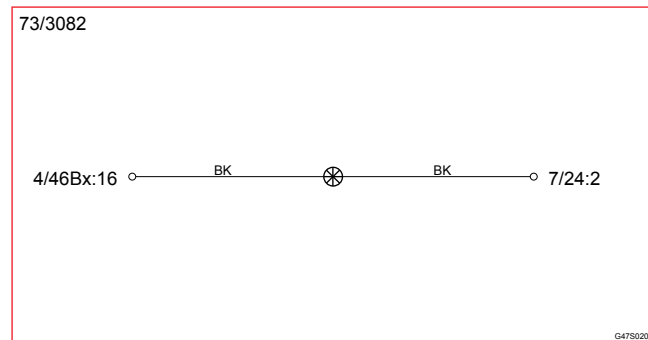
74/414

10-pin Black

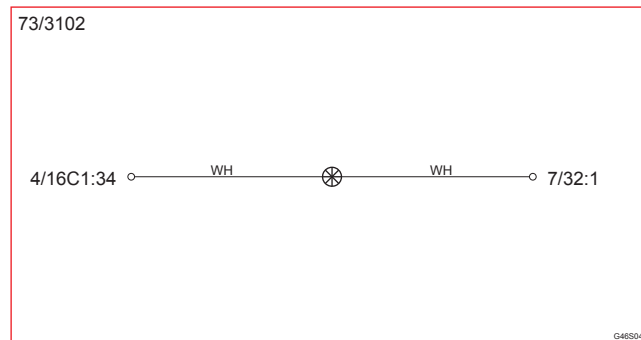
No.	Dashboard harness			Roof harness		
1	74/409:18	Connector	BU-GY	4/33:7	Sunroof control module, HATCH	BU-GY
2	4/56C3:75	Central Electronic Module (CEM)	RD-BN	4/33:1	Sunroof control module, HATCH	RD-BN
3	-	-	-	-	-	-
4	73/4059	Branching point, ACC	BU-BK	4/80C1:7	Forward Sensing Module (FSM)	BU-BK
5	4/56C3:5	Central Electronic Module (CEM), CITYS & ACC	GY-OG	73/5189:5 74/901:5	Branching point, CITYS & ACC Connector, CITYS W/O ACC	GY-OG GY-OG
6	27/2C1:2	Indicator, visual collision warning, ACC	GN-BN	4/80C1:6	Forward Sensing Module (FSM), ACC	GN-BN
7	4/56C3:63	Central Electronic Module (CEM), ACC	GY-VT	4/80C1:8	Forward Sensing Module (FSM), ACC	GY-VT
8	27/2C1:4	Indicator, visual collision warning, ACC	VT	4/80C1:13	Forward Sensing Module (FSM), ACC	VT
9	73/4012	Branching point	BK-WH	73/4013 73/4014	Branching point, HATCH Branching point, W/O HATCH	BK-WH BK-WH
10	73/4061	Branching point	BU-RD	73/4060	Branching point	BU-RD

Branching points 73/3082 - 73/3121

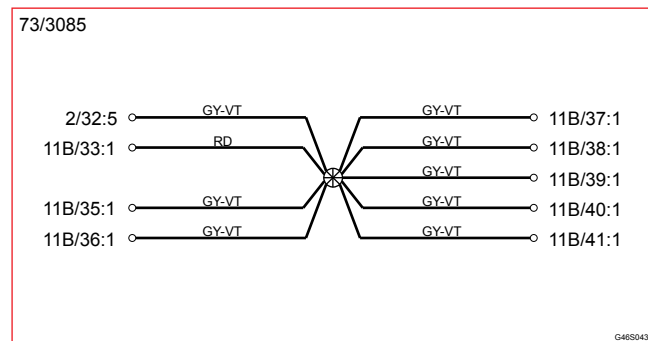
73/3082 4-CYL P



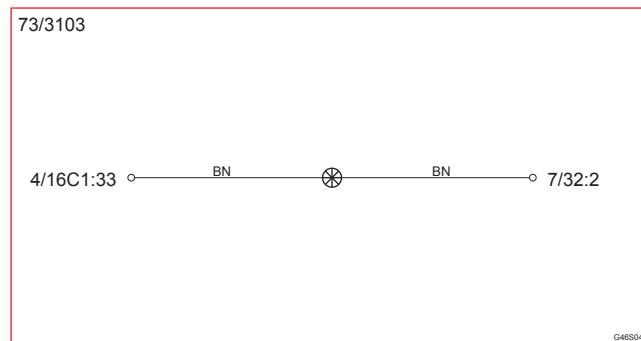
73/3102



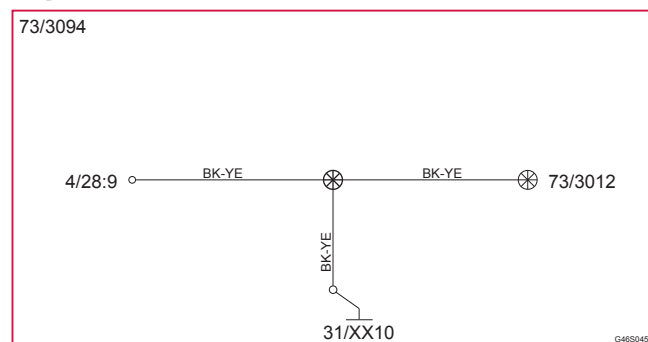
73/3085



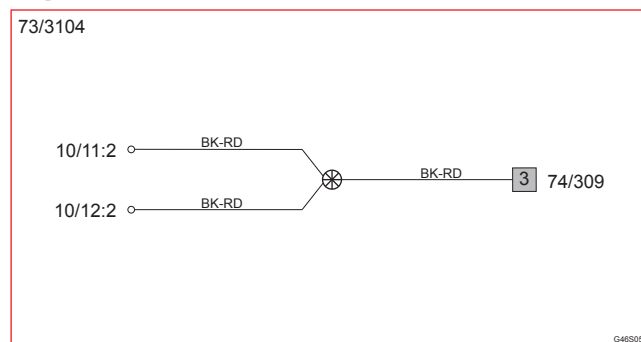
73/3103



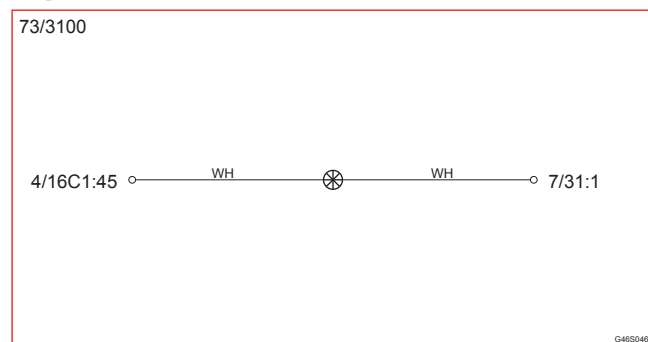
73/3094



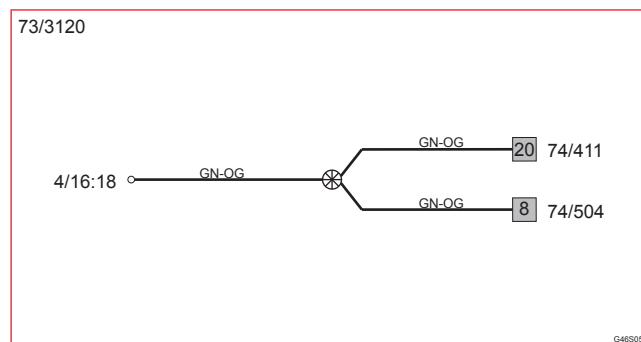
73/3104



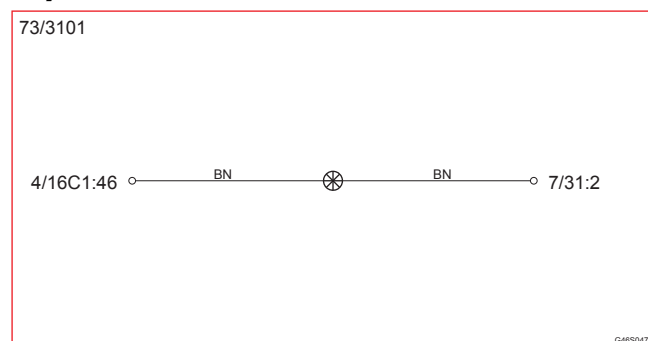
73/3100



73/3120



73/3101



73/3121

