

**Volvo Car USA LLC****Service Journal**

Bulletin Title		Ref NO	
Aftermarket Wiring Diagrams CMA MY24		SJ1001860	
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Service Operations	United States and Canada	4/25/23	4/25/23
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**Background:**

As a result of delays in the production of aftermarket wiring diagrams, there is a risk of missing or incorrect wiring diagrams for certain customer functions for CMA MY24 (structure week 202317 - ).

Models included:

XC40 BEV, XC40 Non-BEV, C40

**Temporary Solution:**

In cases of missing or incorrect wiring diagrams in VIDA, refer to the cleaned-up system-based wiring diagrams from R&D attached as a PDF.

**Final Solution:**

Customer function-based wiring diagrams will continuously be updated and released to VIDA once they are finished.

# P319/V316/V317

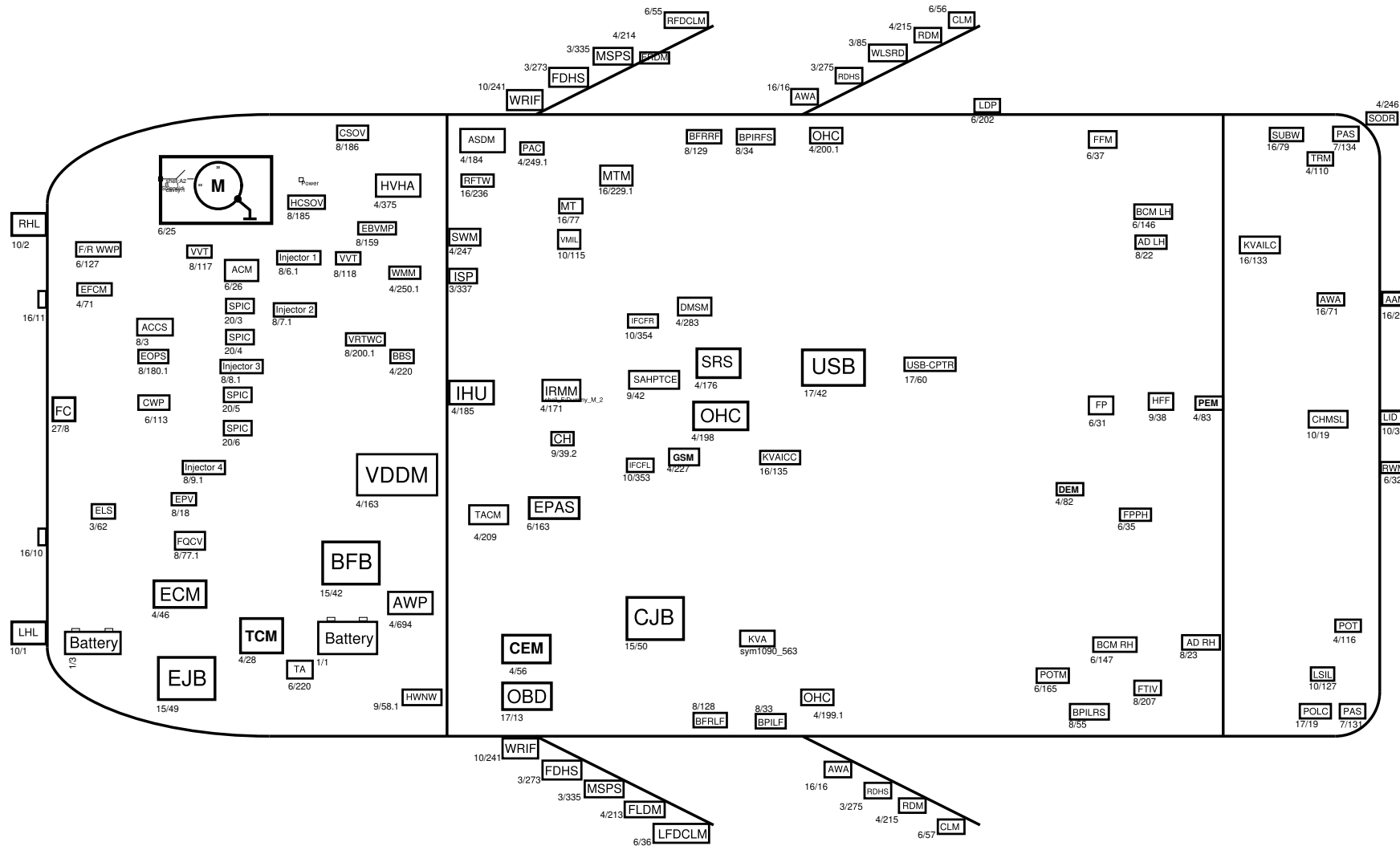
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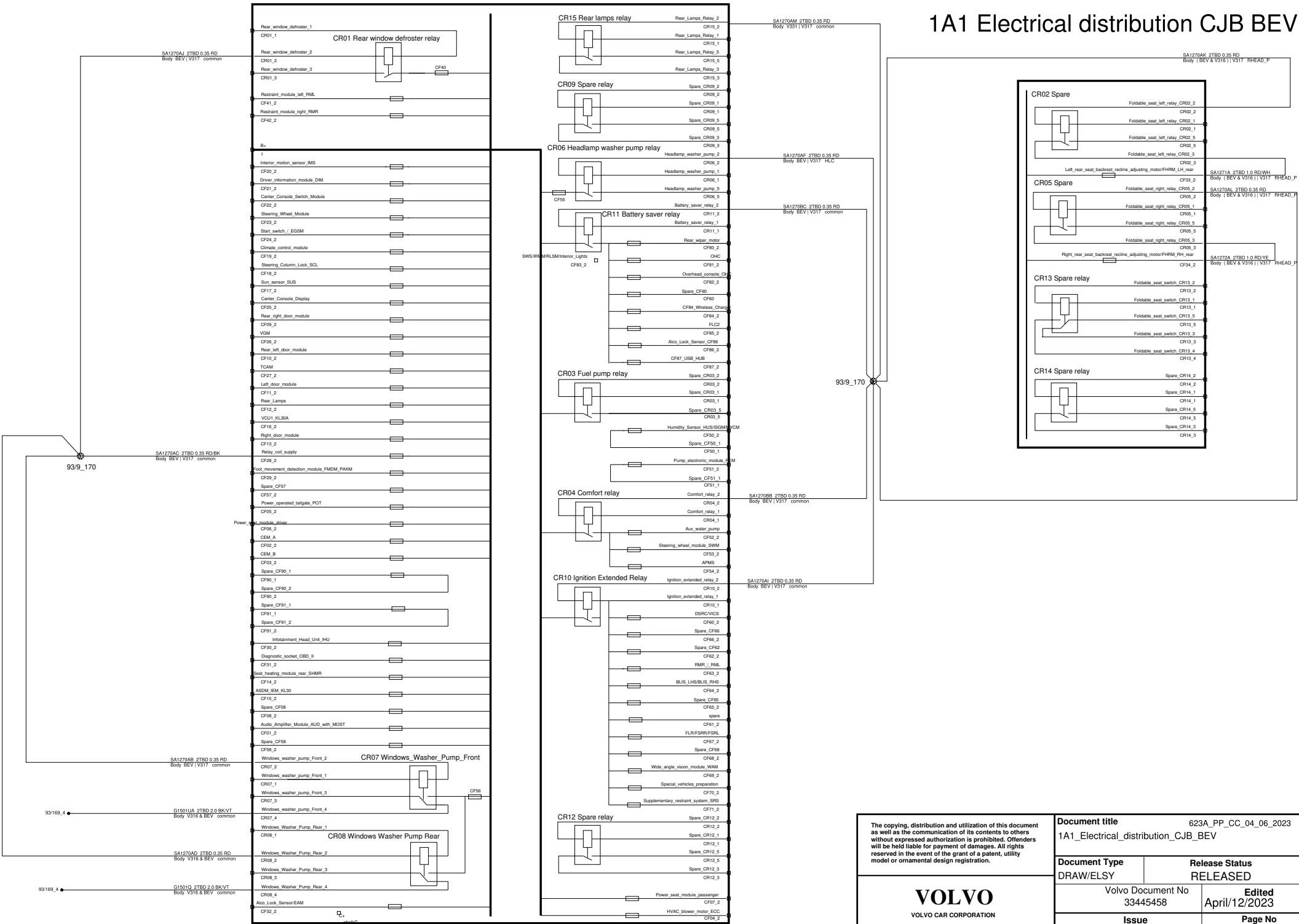


# 0B Overview RHD



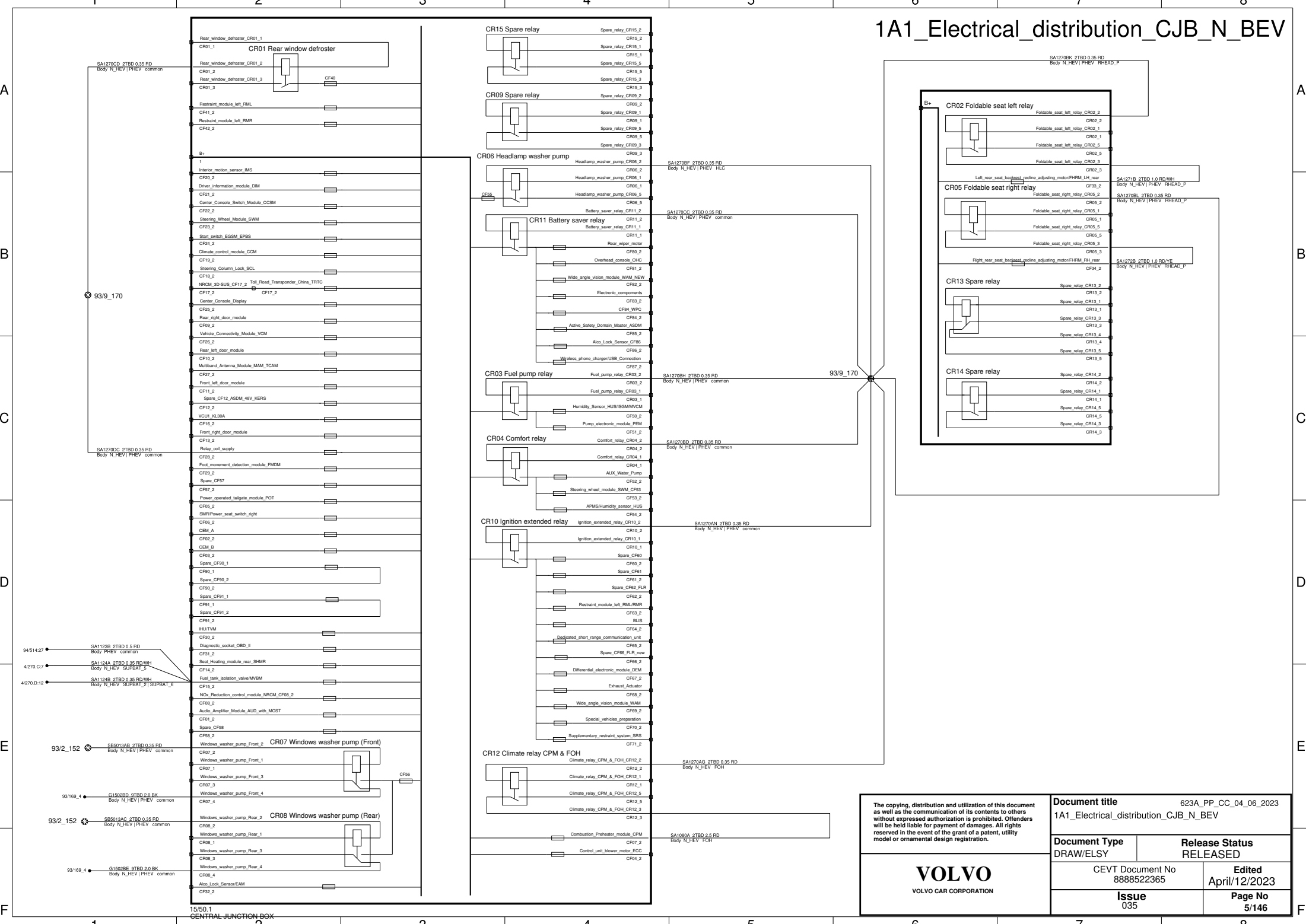
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# 1A1 Electrical distribution CJB BEV



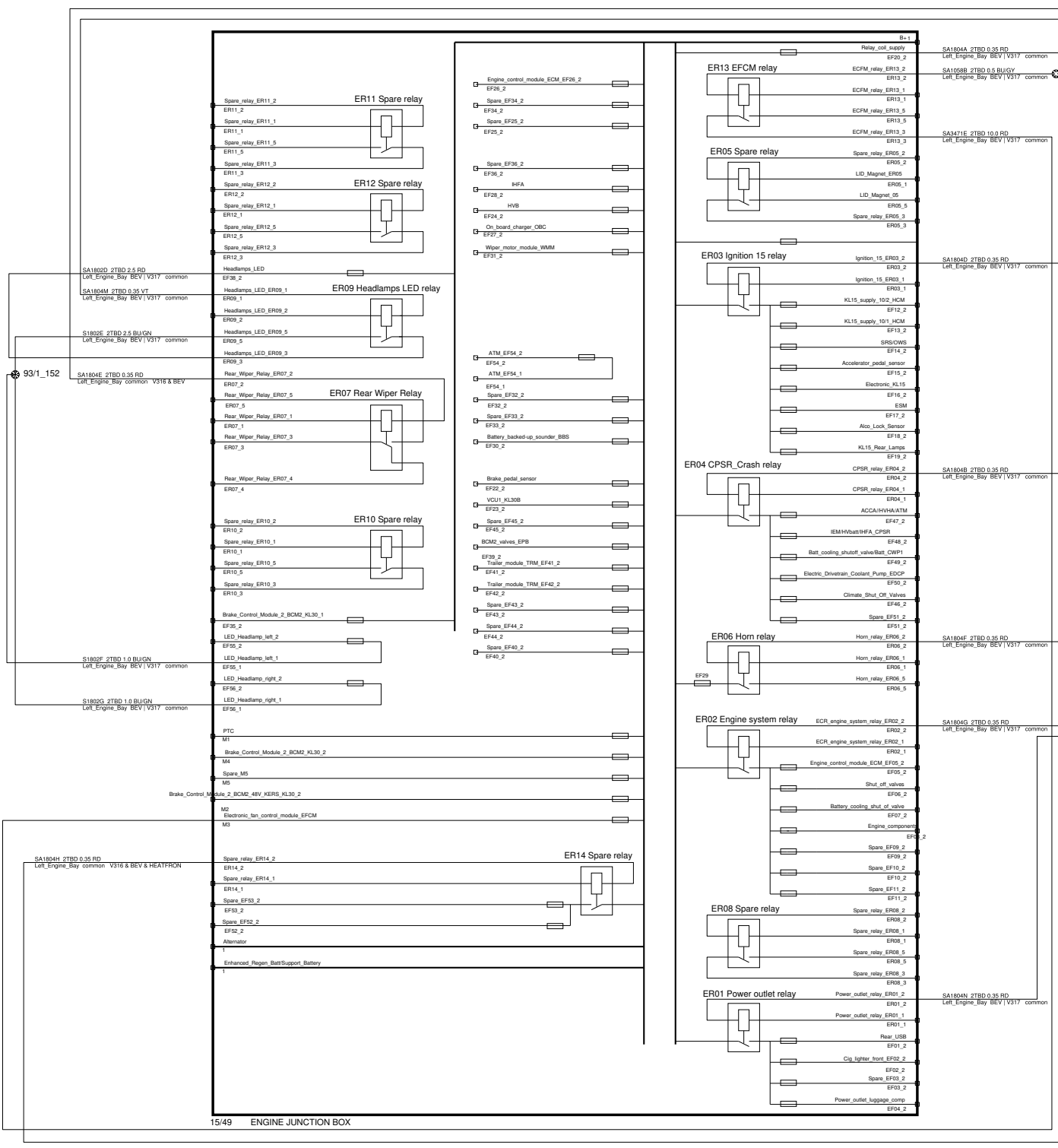
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# 1A1\_Electrical\_distribution\_CJB\_N\_BEV



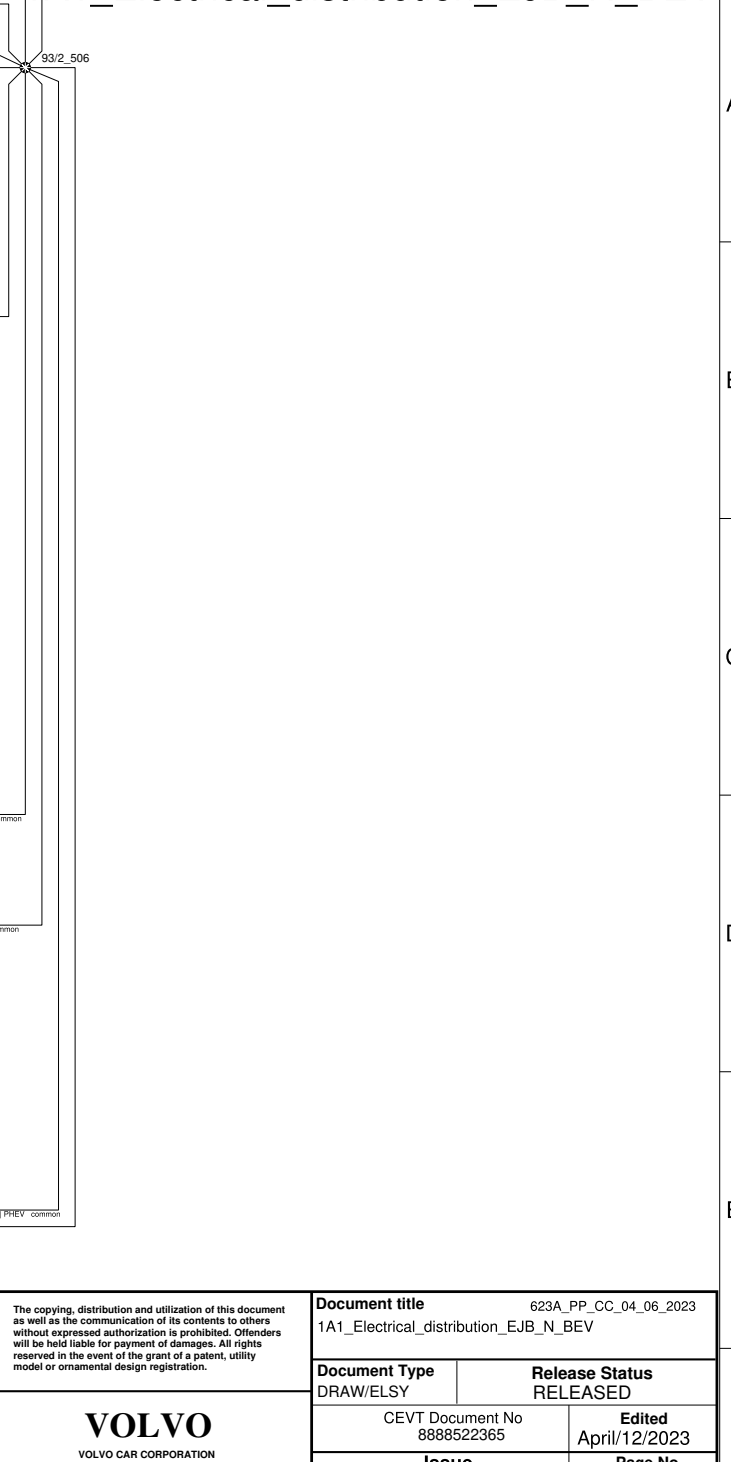
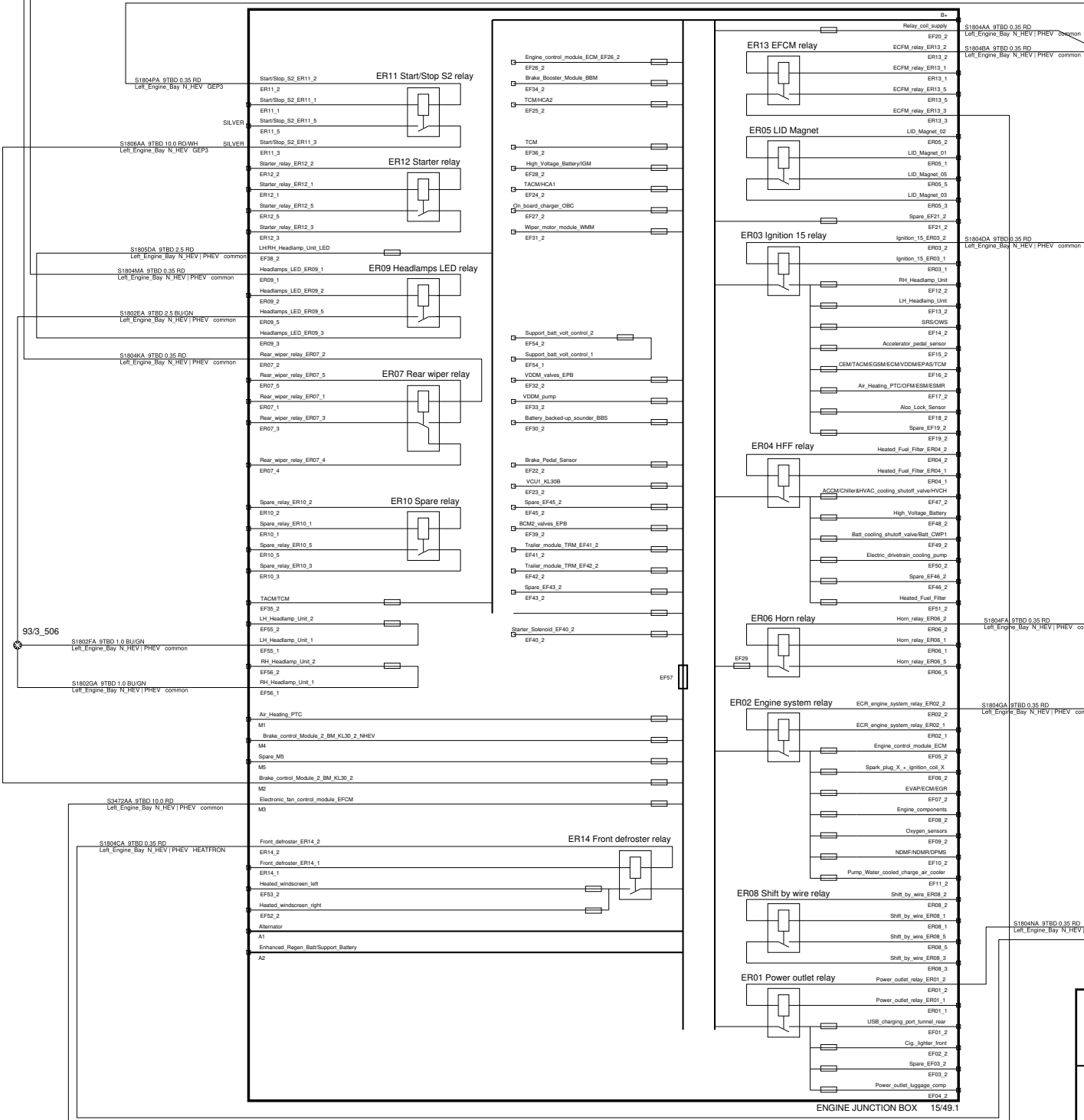
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# 1A1 Electrical distribution EJB BEV



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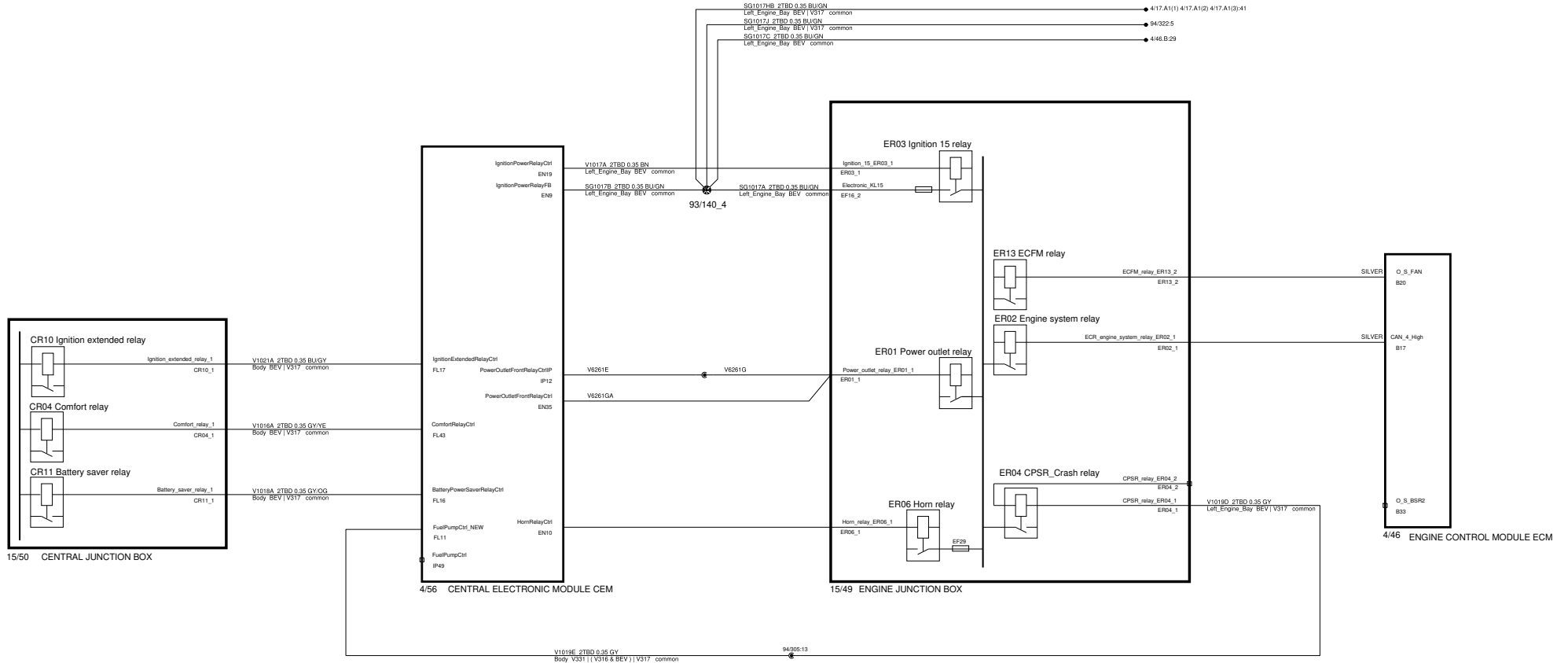
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# 1A3 System relays control

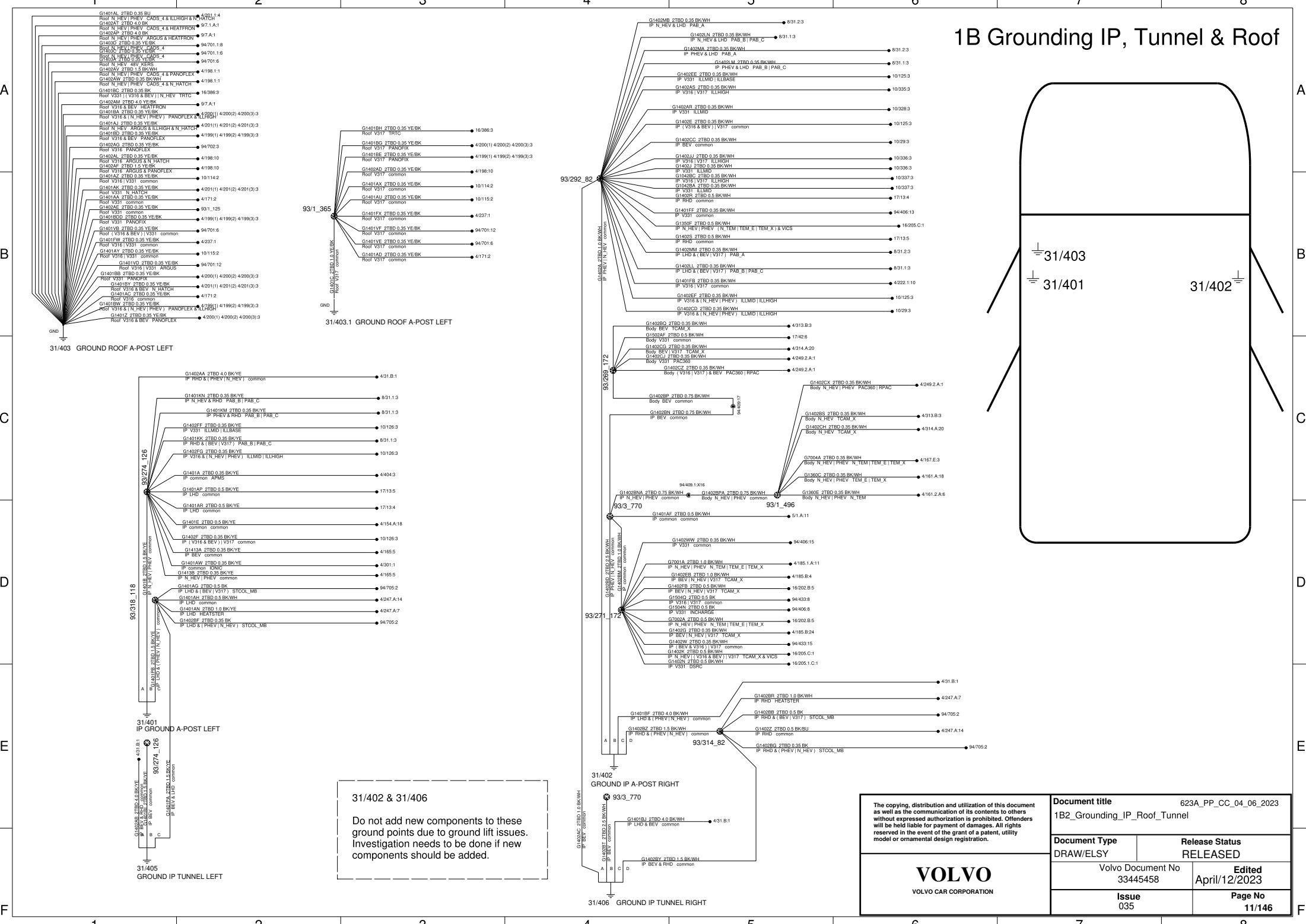


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# 1B Grounding IP, Tunnel & Roof



31/402 & 31/406

Do not add new components to these ground points due to ground lift issues. Investigation needs to be done if new components should be added.

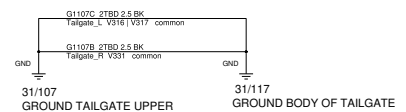
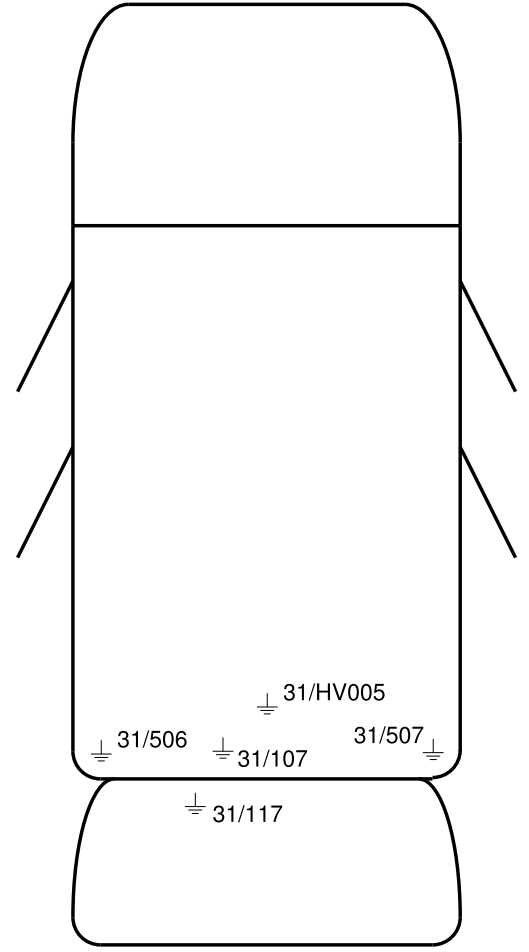
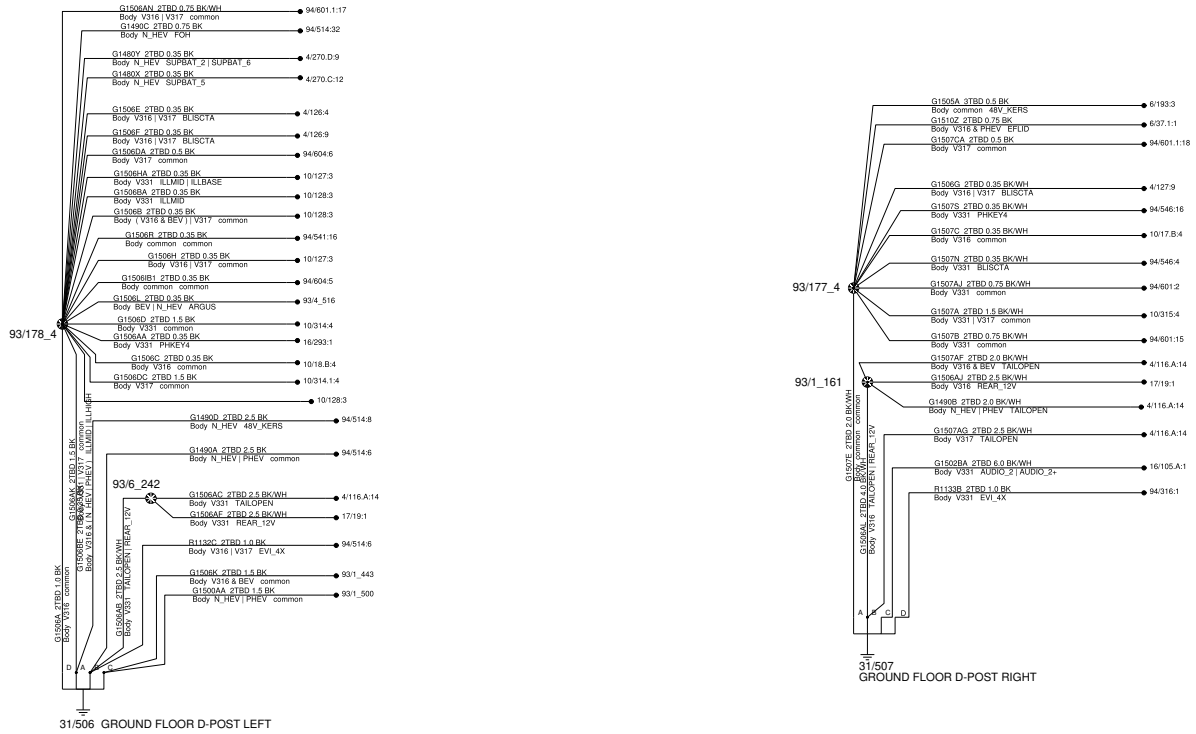
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1B2_Grounding_IP_Roof_Tunnel			
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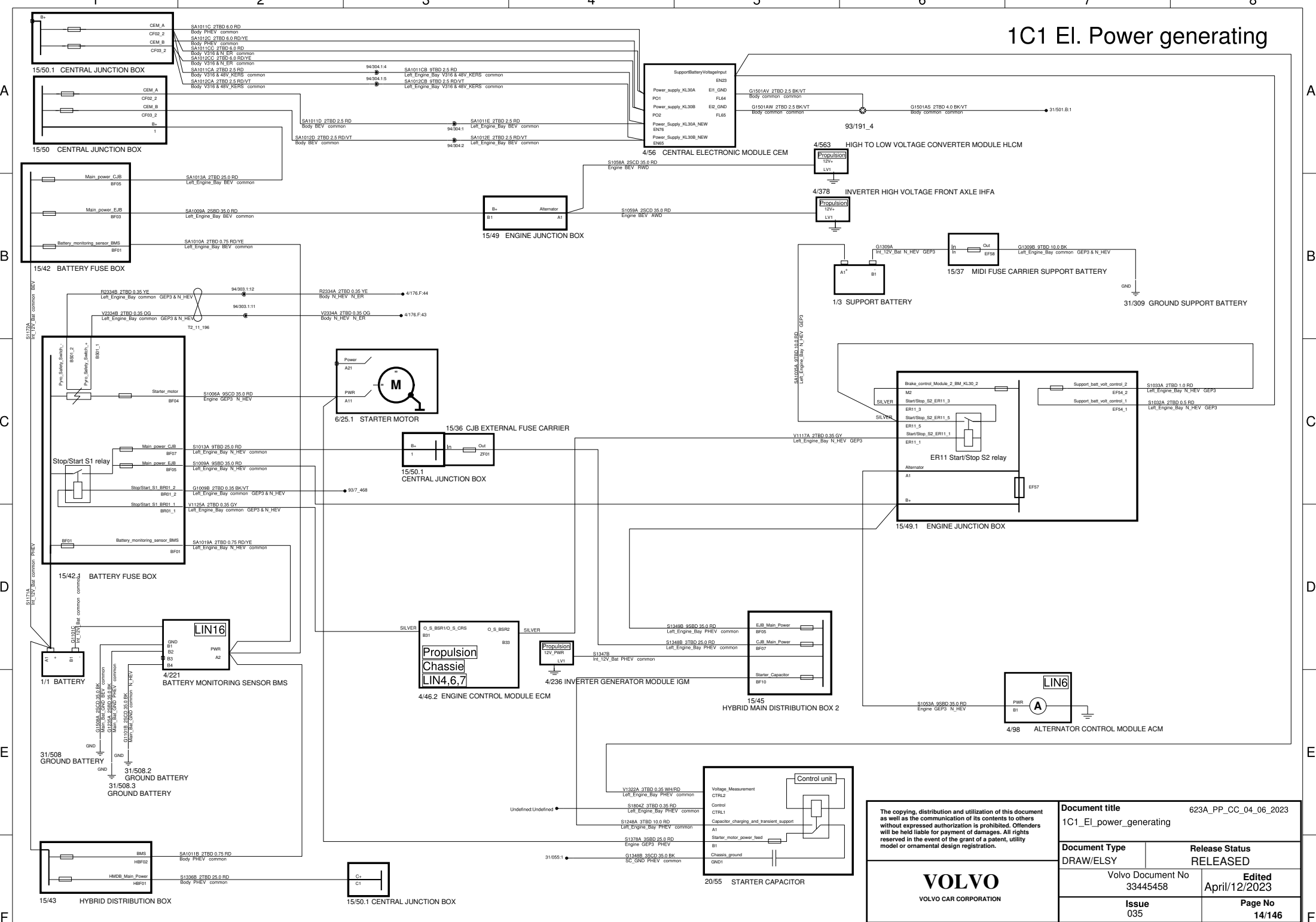


# 1B Grounding Body Rear, Tailgate



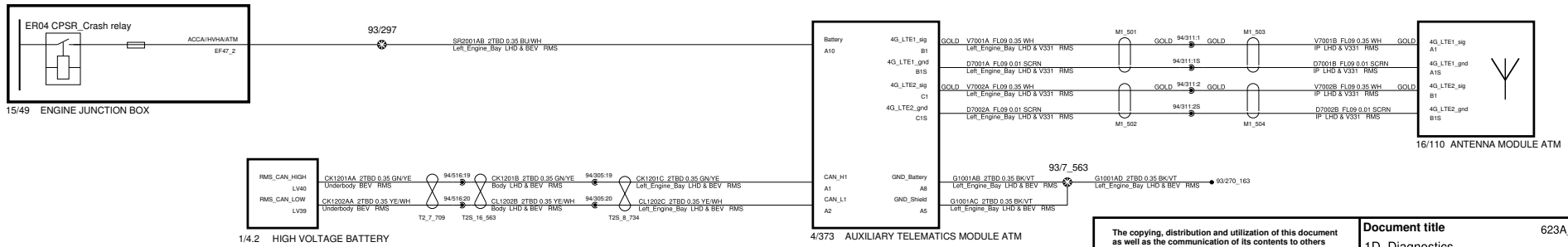
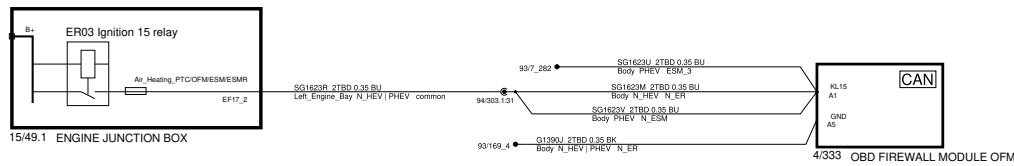
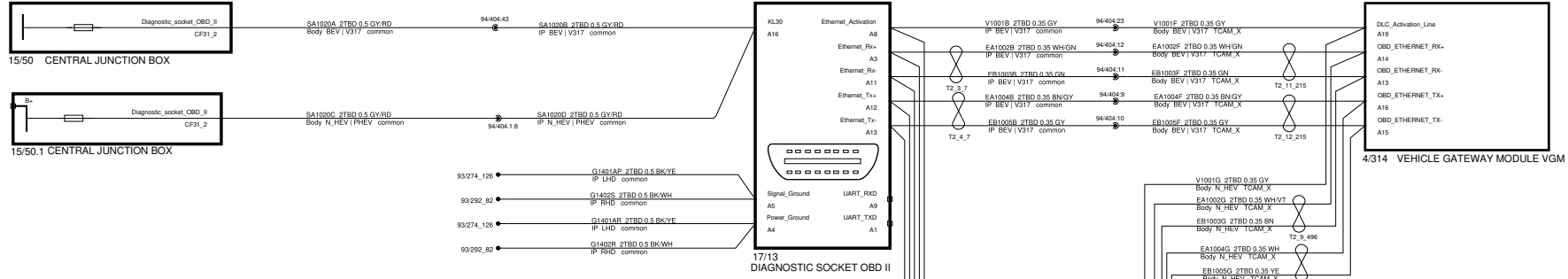
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# 1C1 EI. Power generating



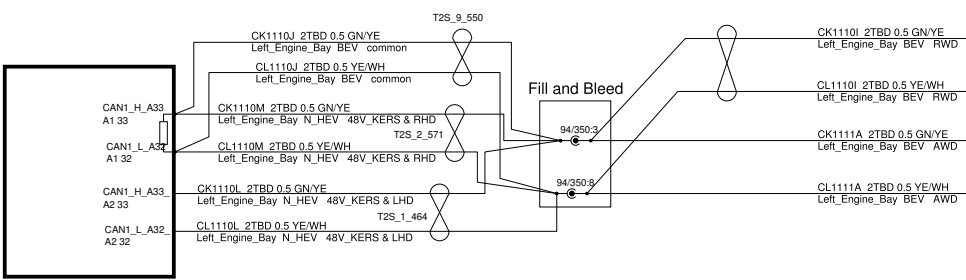
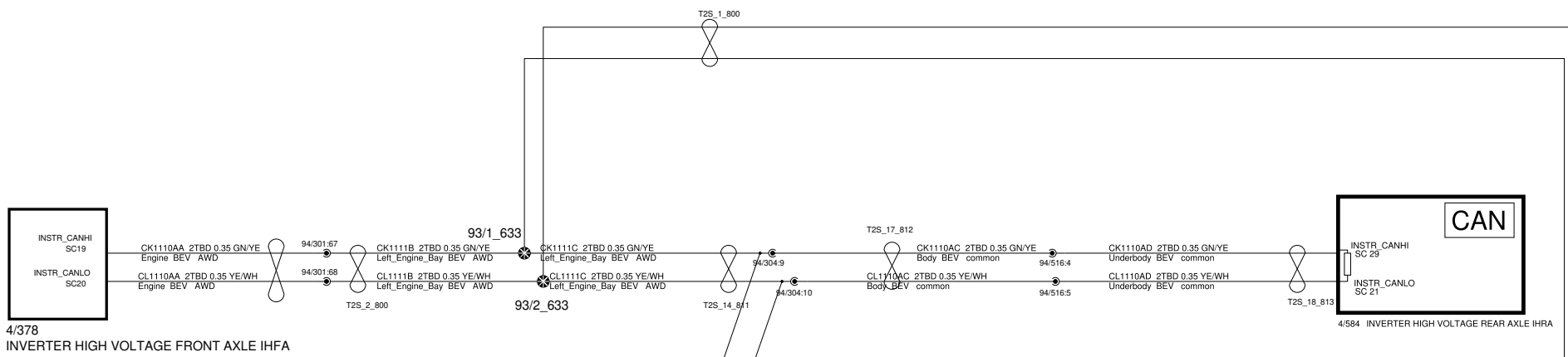
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# 1D Diagnostics



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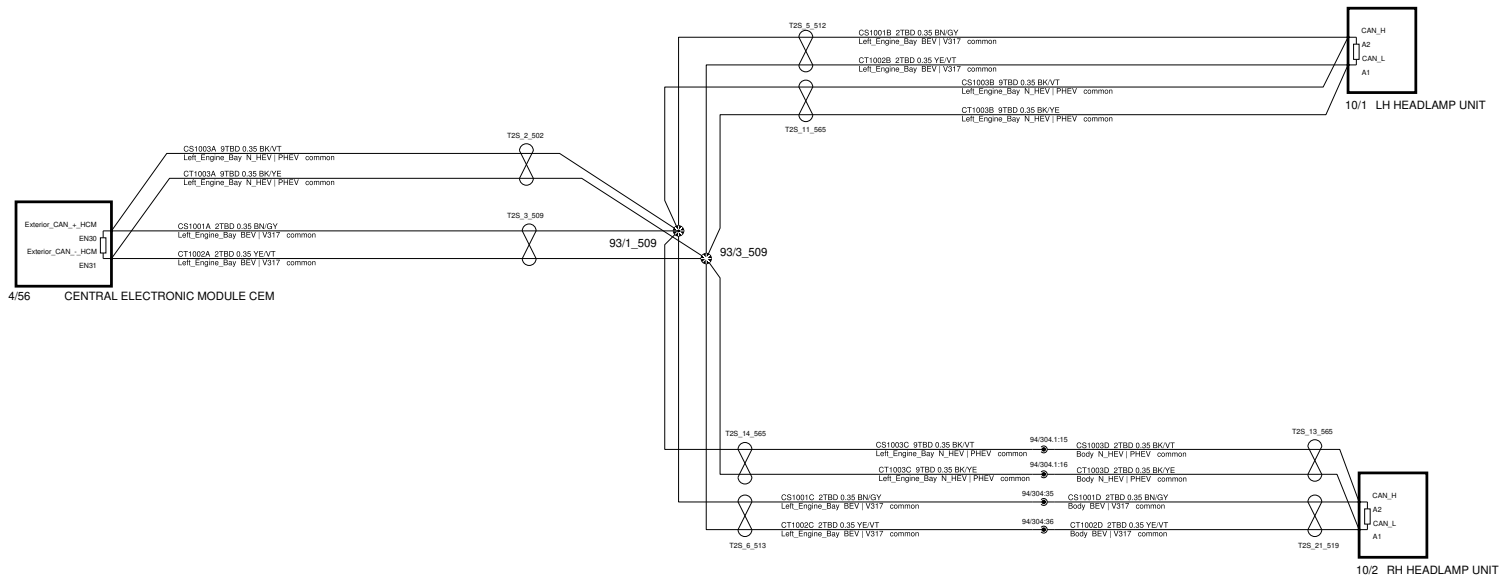




4/17  
BRAKE CONTROL MODULE 2 BCM2

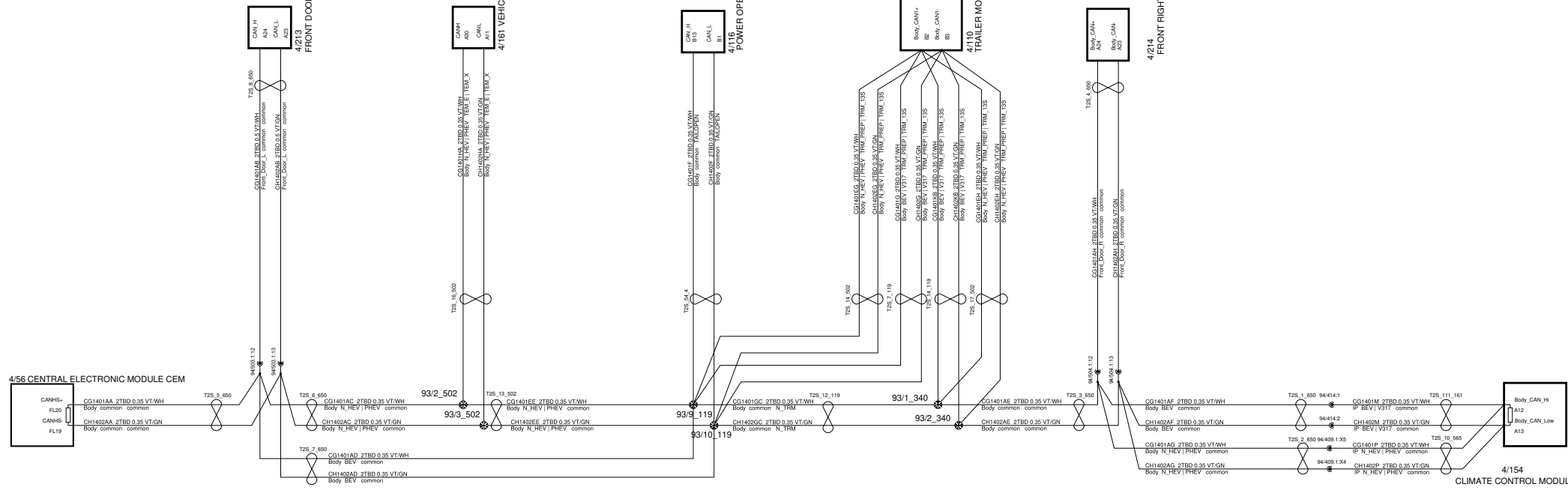
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# 1E Body CAN Exp



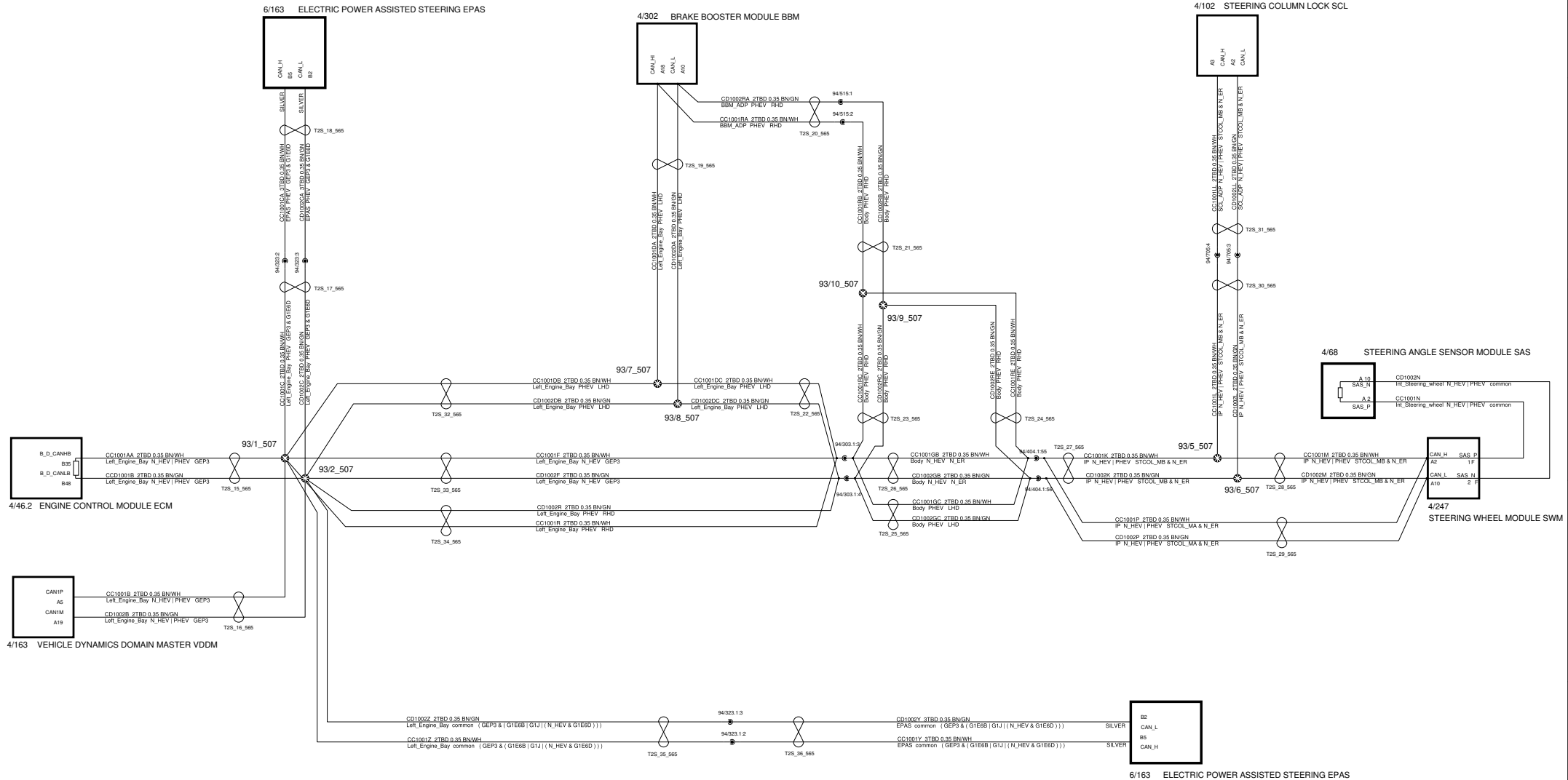
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# 1E Body-CAN



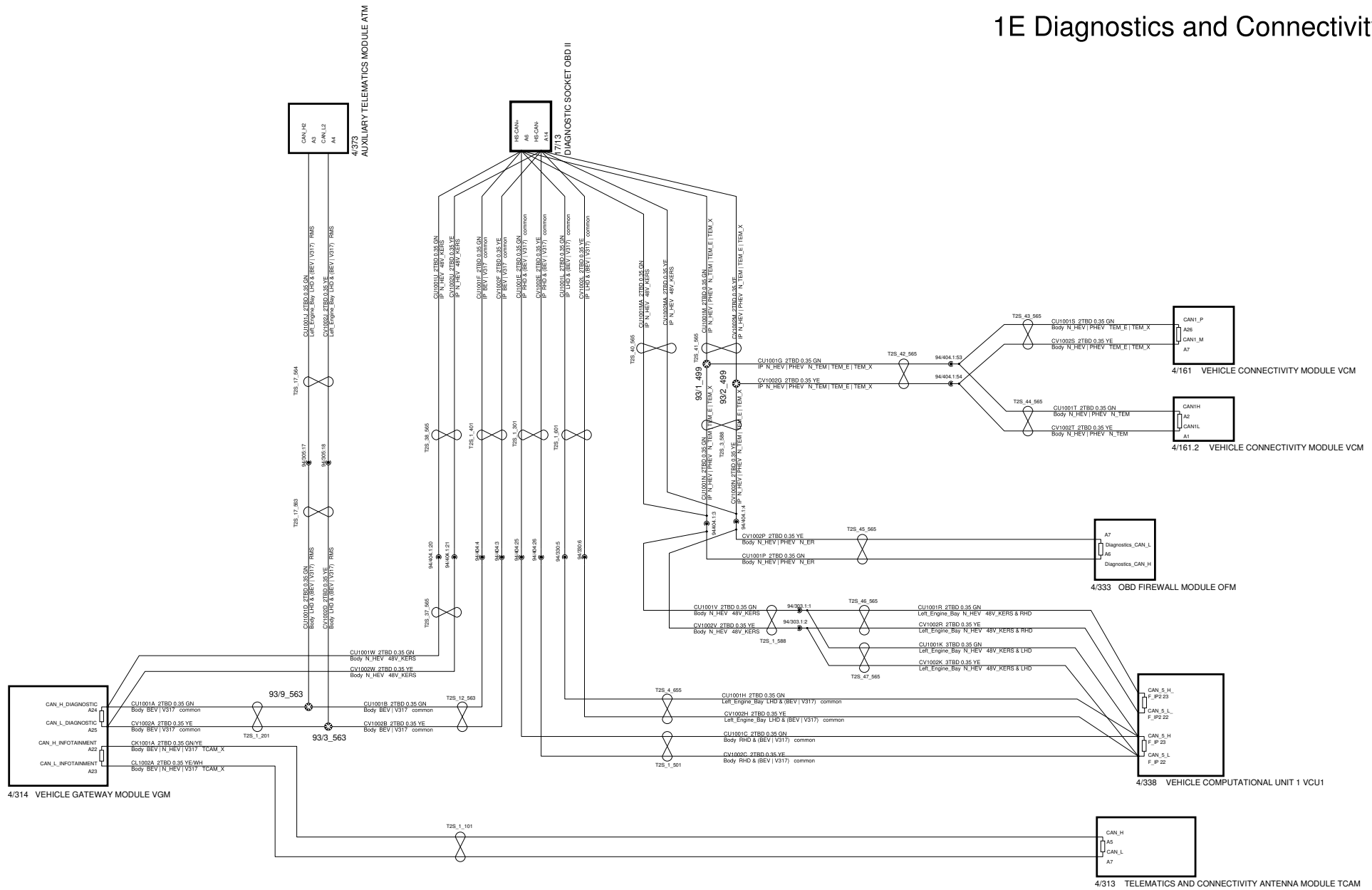
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	Volvo Document No 33445458	<b>Edited</b> April/12/2023	
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# 1E Chassie CAN



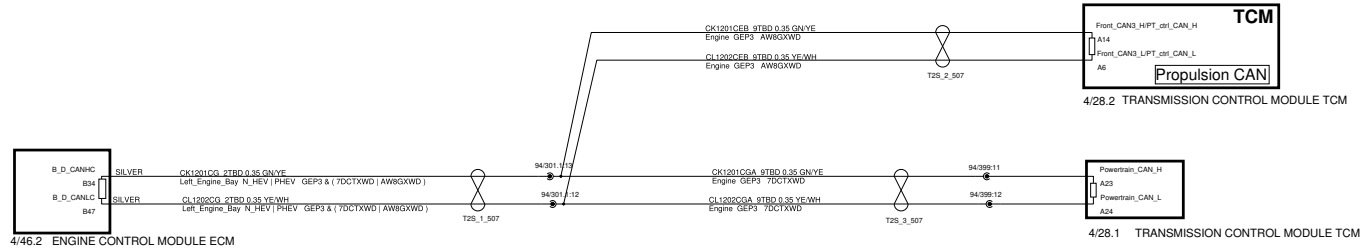
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# 1E Diagnostics and Connectivity CAN



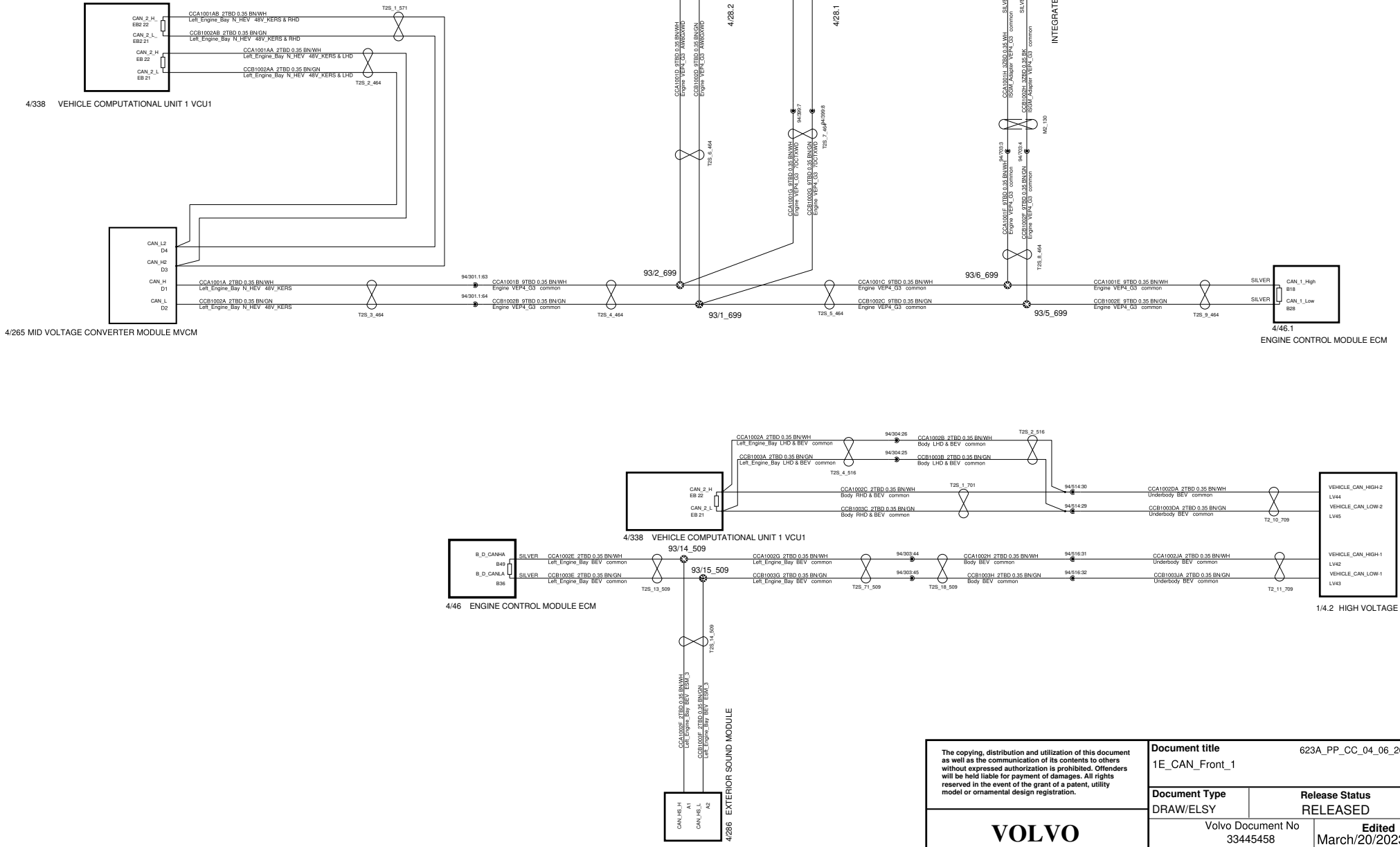
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		<p><b>Issue</b> 035</p>	<p><b>Page No</b> 20/146</p>

# 1E Engine CAN



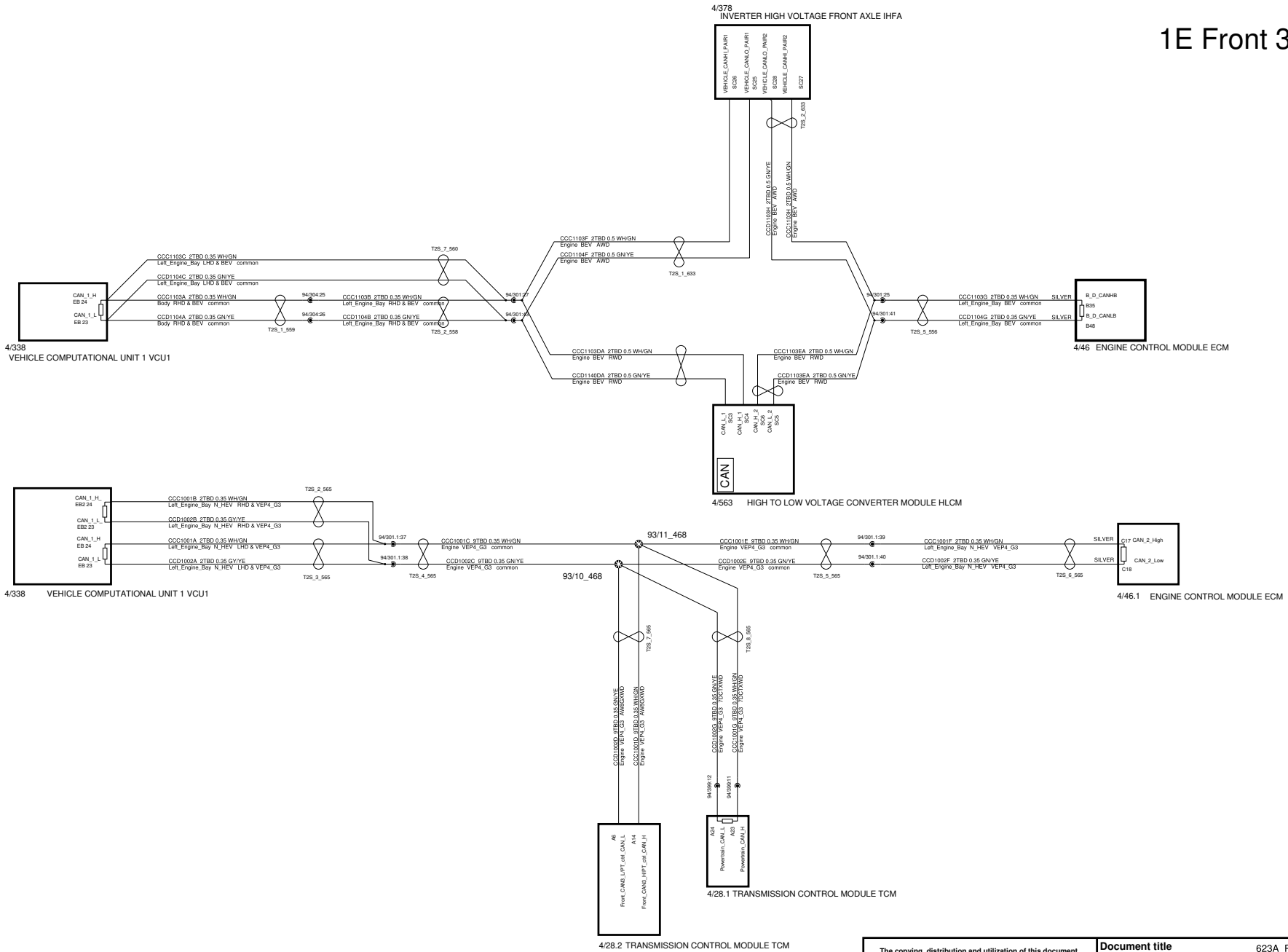
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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	CEVT Document No 8888522365	<b>Edited</b> February/01/2021
	<b>Issue</b> 035	<b>Page No</b> 21/146

# 1E Front 1 CAN



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		<p>Document Type: DRAW/ELSY</p>	<p>Release Status: RELEASED</p>
<p>Volvo Document No: 33445458</p>		<p>Edited: March/20/2023</p>	
<p>Issue: 035</p>		<p>Page No: 22/146</p>	

# 1E Front 3 CAN

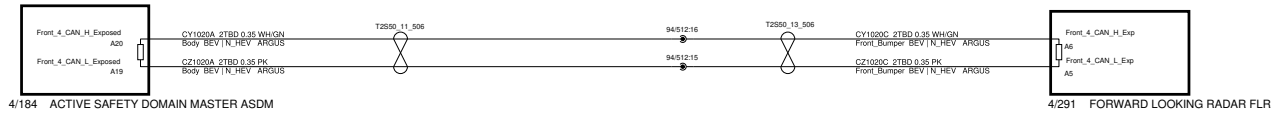


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		<p>1E_CAN_Front_3</p>	
<p>Document Type</p>		<p>Release Status</p>	
<p>DRAW/ELSY</p>		<p>RELEASED</p>	
<p>Volvo Document No 33445458</p>		<p>Edited March/21/2023</p>	
<p>Issue 035</p>		<p>Page No 23/146</p>	

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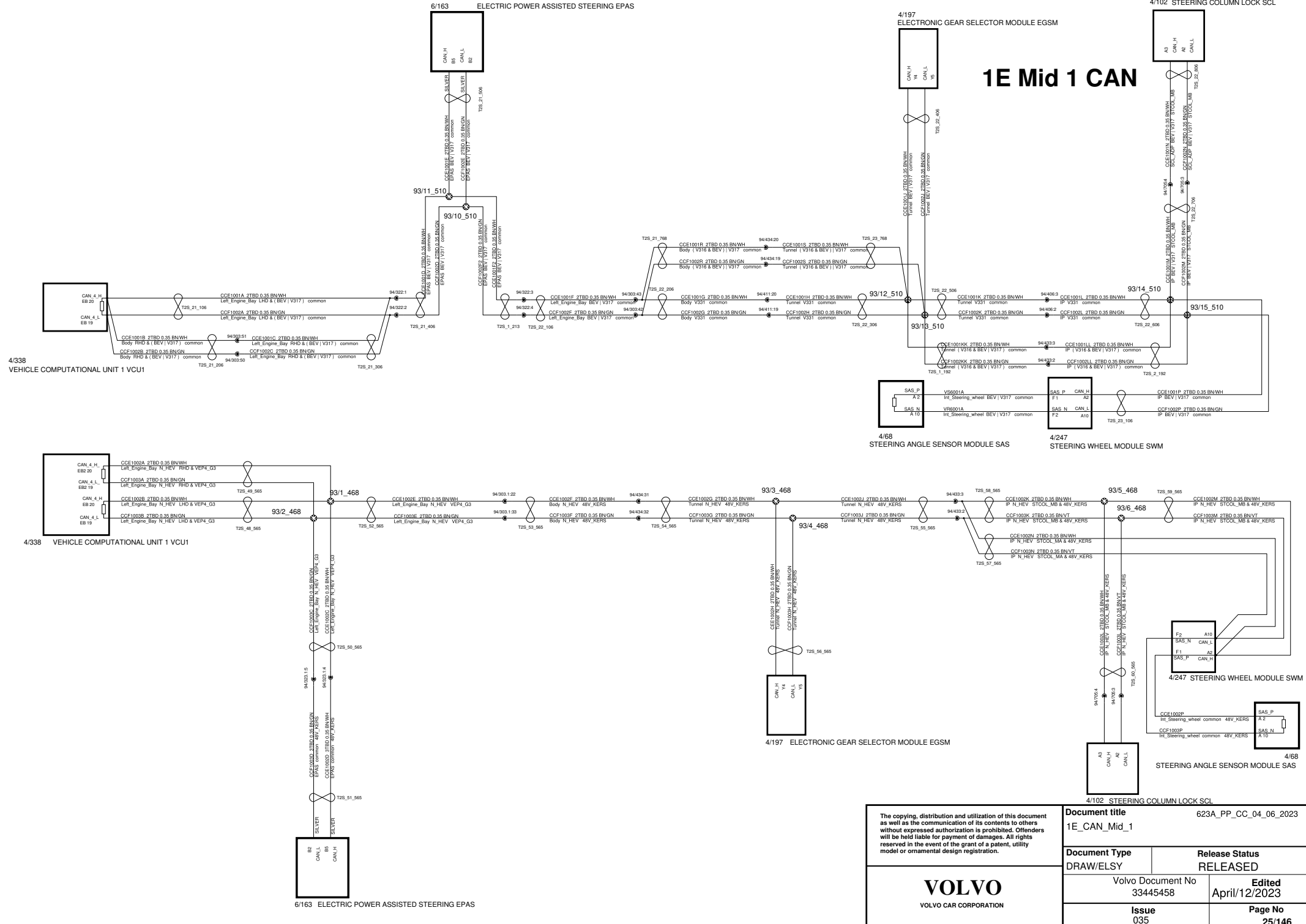


# 1E Front CAN Exposed



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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	Volvo Document No 33445458	<b>Edited</b> September/30/2020
	<b>Issue</b> 035	<b>Page No</b> 24/146

# 1E Mid 1 CAN



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		<p>Document Type</p> <p>DRAW/ELSY</p>	<p>Release Status</p> <p>RELEASED</p>
		<p>Volvo Document No</p> <p>33445458</p>	<p>Edited</p> <p>April/12/2023</p>
		<p>Issue</p> <p>035</p>	<p>Page No</p> <p>25/146</p>

6/163 ELECTRIC POWER ASSISTED STEERING EPAS

4/197 ELECTRONIC GEAR SELECTOR MODULE EGSM

4/102 STEERING COLUMN LOCK SCL

4/68 STEERING ANGLE SENSOR MODULE SAS

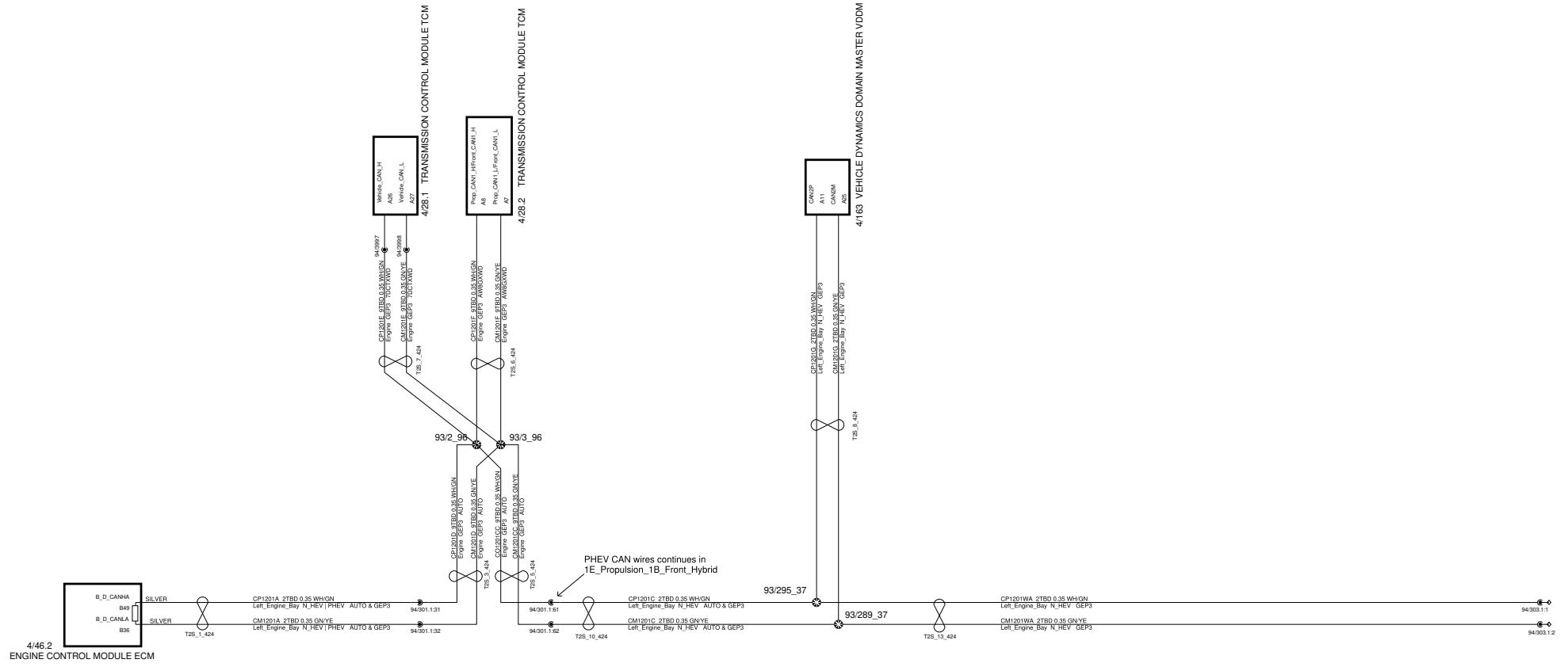
4/247 STEERING WHEEL MODULE SWM

4/68 STEERING ANGLE SENSOR MODULE SAS

4/338 VEHICLE COMPUTATIONAL UNIT 1 VCU1

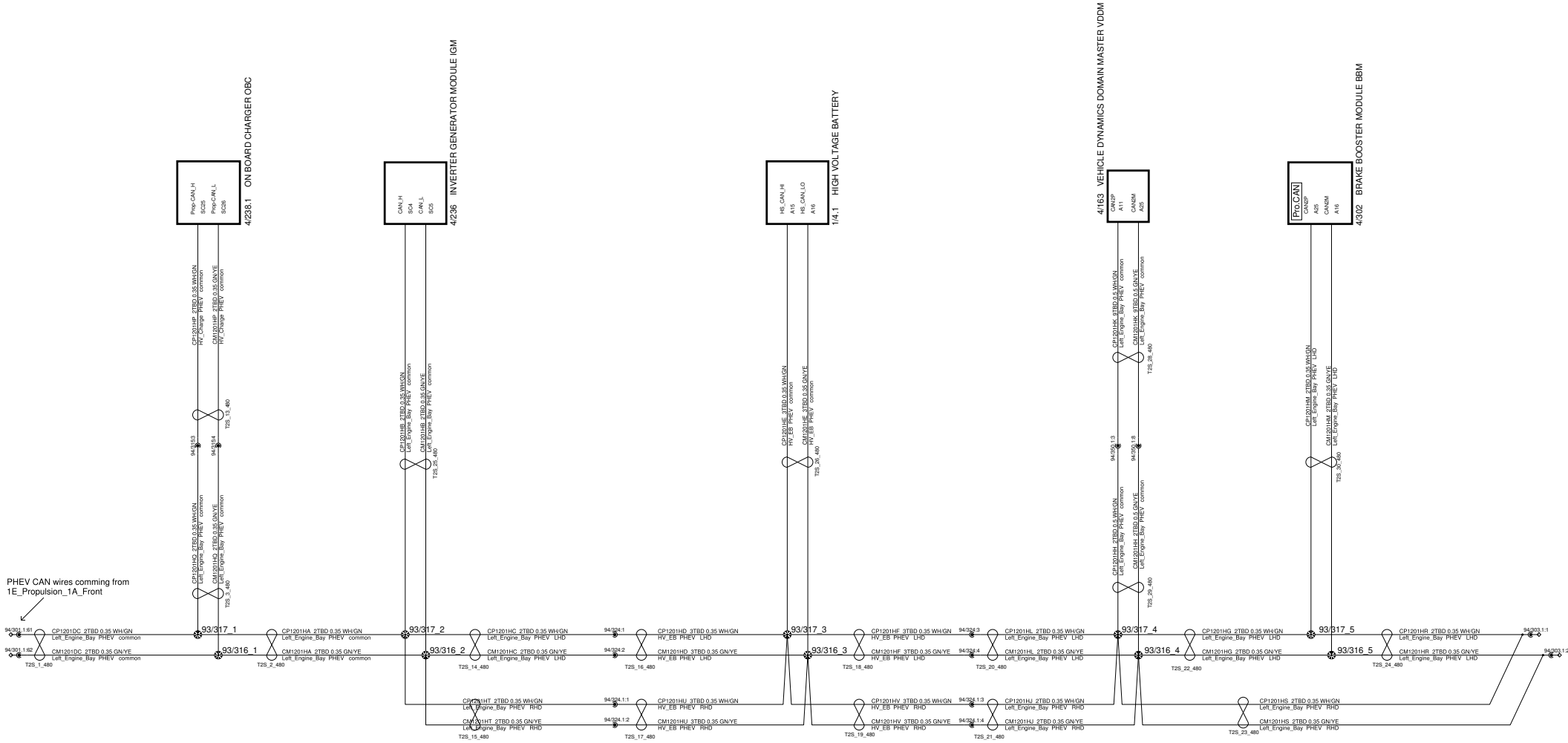
4/338 VEHICLE COMPUTATIONAL UNIT 1 VCU1

# 1E Propulsion CAN Front



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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> April/12/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 26/146</p>

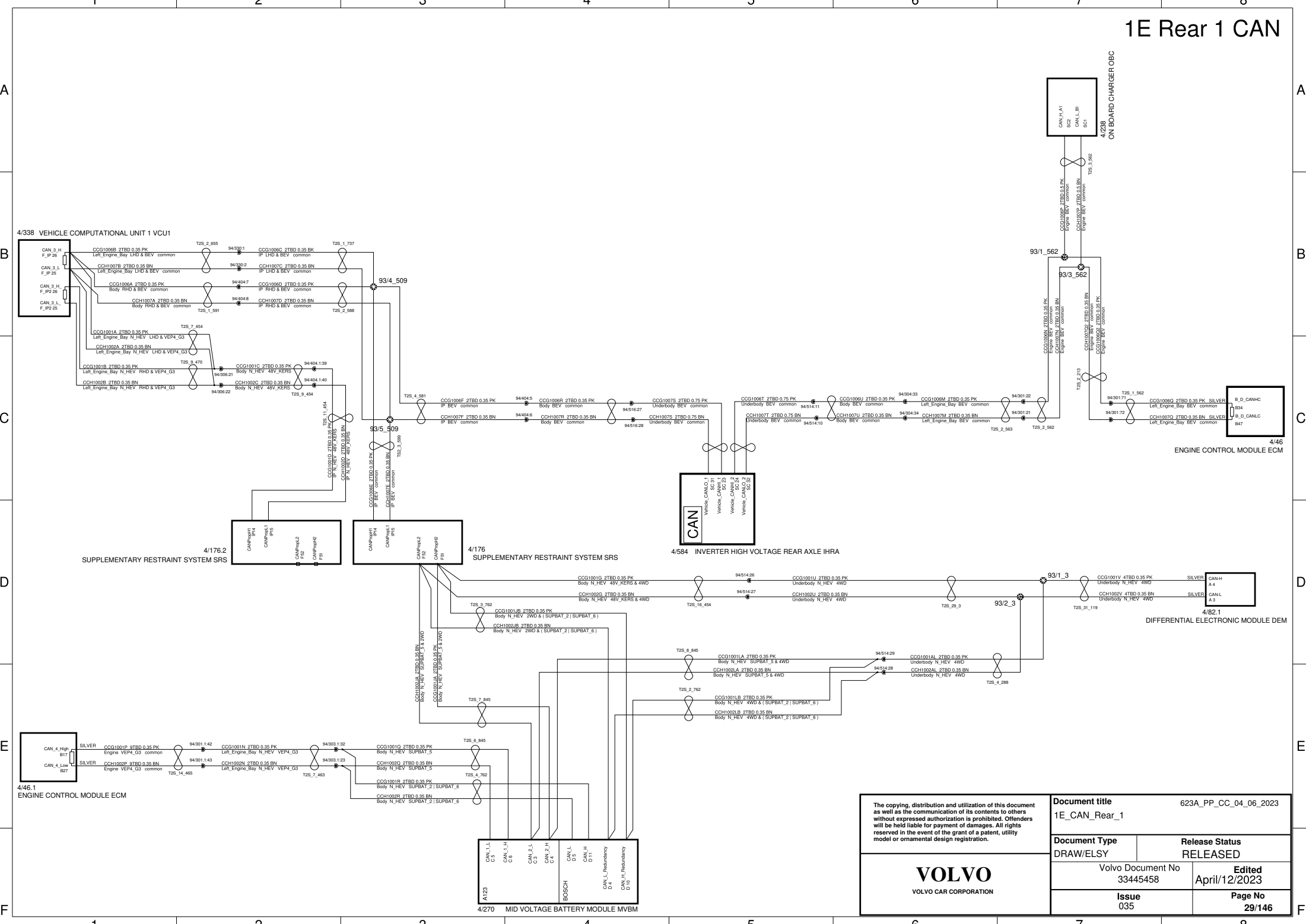
# 1E Propulsion CAN Front Hybrid



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	<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> March/29/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 27/146</p>



# 1E Rear 1 CAN

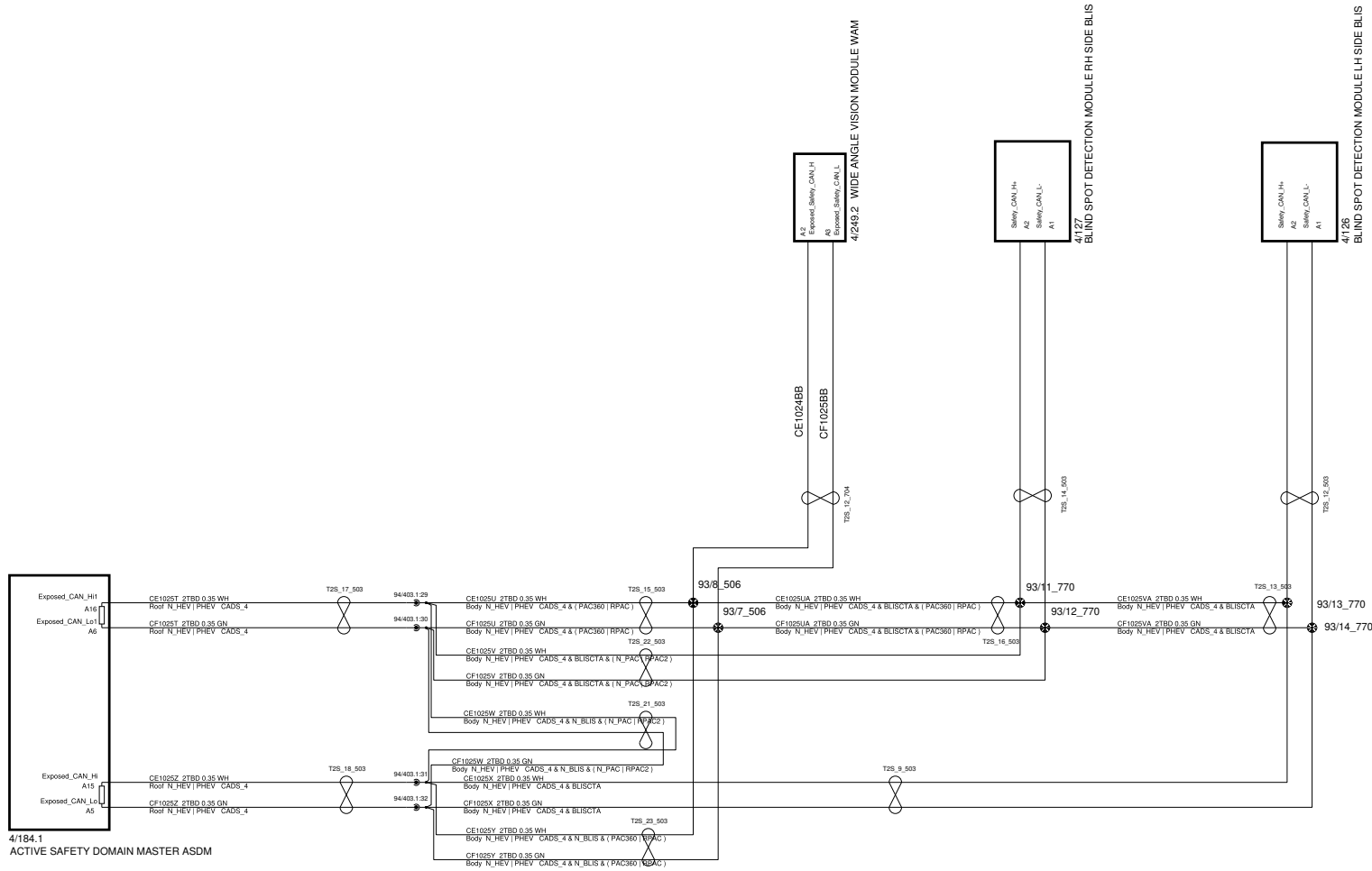


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<p>Document Type DRAW/ELSY</p>		<p>Release Status RELEASED</p>	
<p>Volvo Document No 33445458</p>		<p>Edited April/12/2023</p>	
<p>Issue 035</p>		<p>Page No 29/146</p>	

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# 1E Safety CAN Exposed ICE PHEV

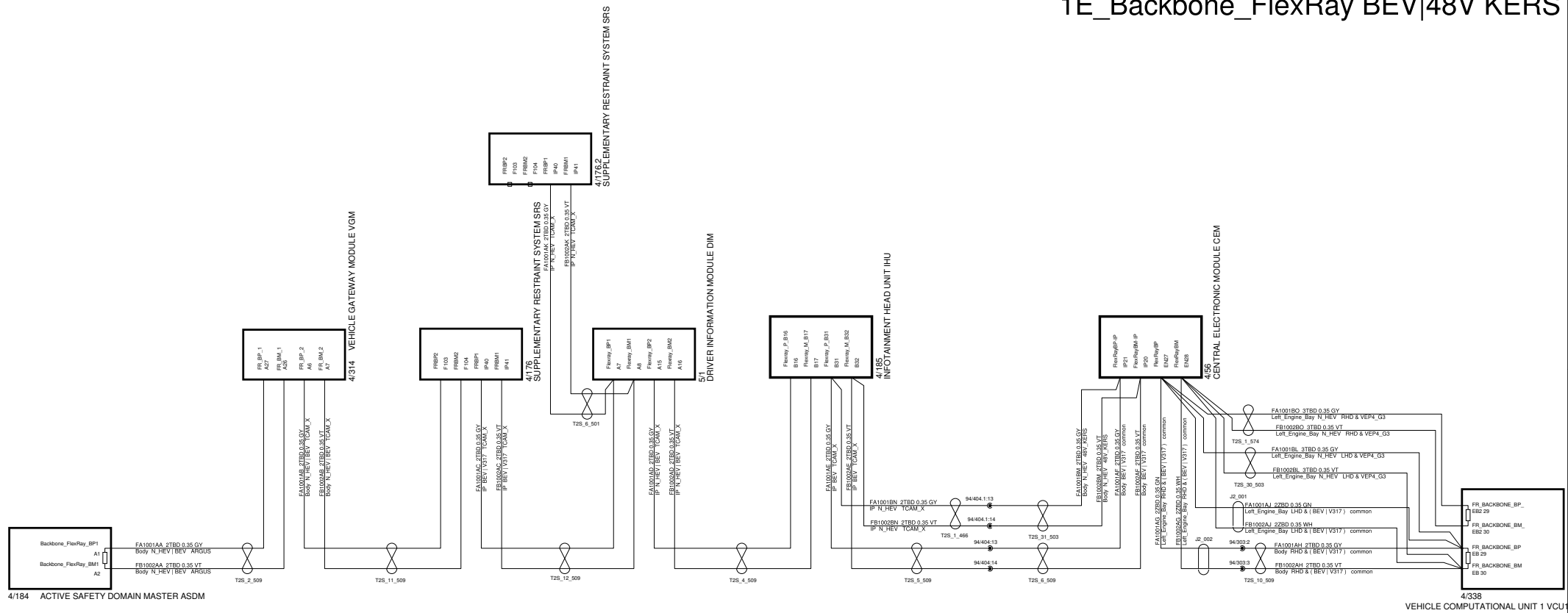


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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	CEVT Document No 8888522365	Edited April/12/2023
	Issue 035	Page No 31/146



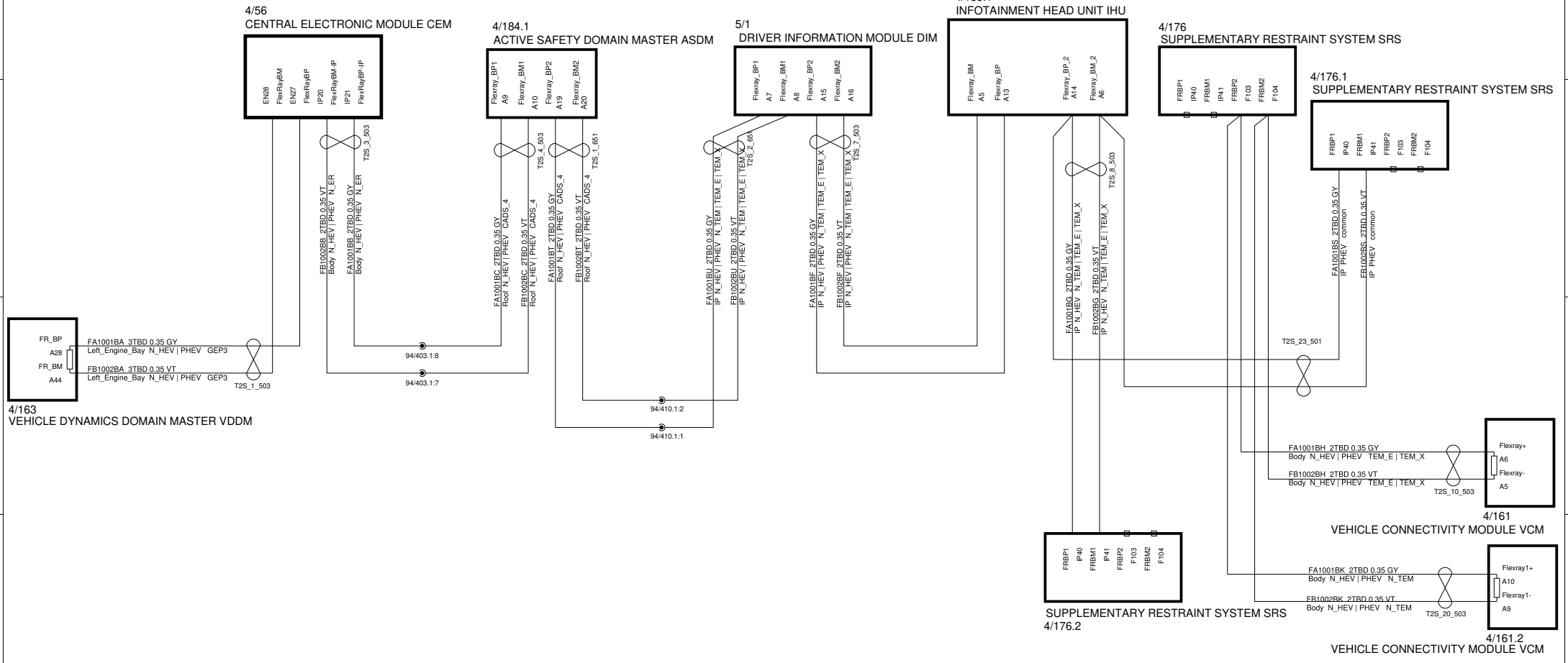


# 1E\_Backbone\_FlexRay BEV|48V KERS



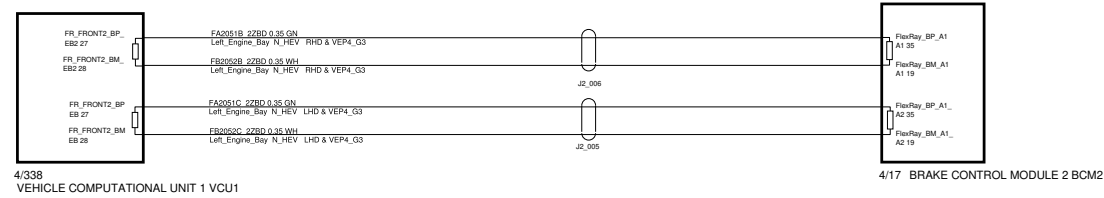
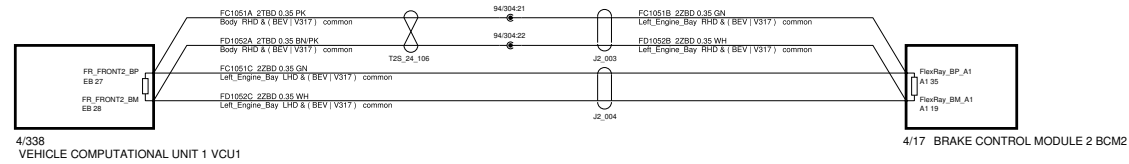
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	1E_FlexRay_Backbone_BEV_48V_KERS	
	<b>Document Type</b>	<b>Release Status</b>
	Volvo Document No 33445458	RELEASED
<b>Issue</b> 035	<b>Edited</b> April/12/2023	<b>Page No</b> 33/146

# 1E\_Backbone\_FlexRay\_ICE|PHEV



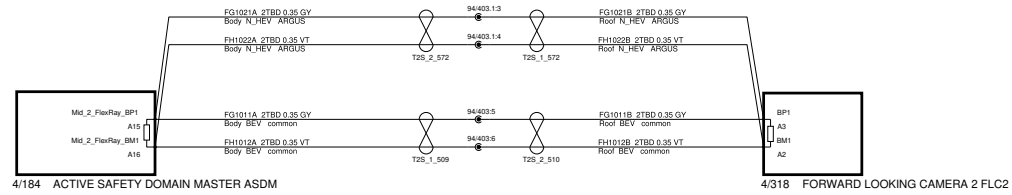
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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> April/12/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 34/146</p>

# 1E Front 2 FlexRay



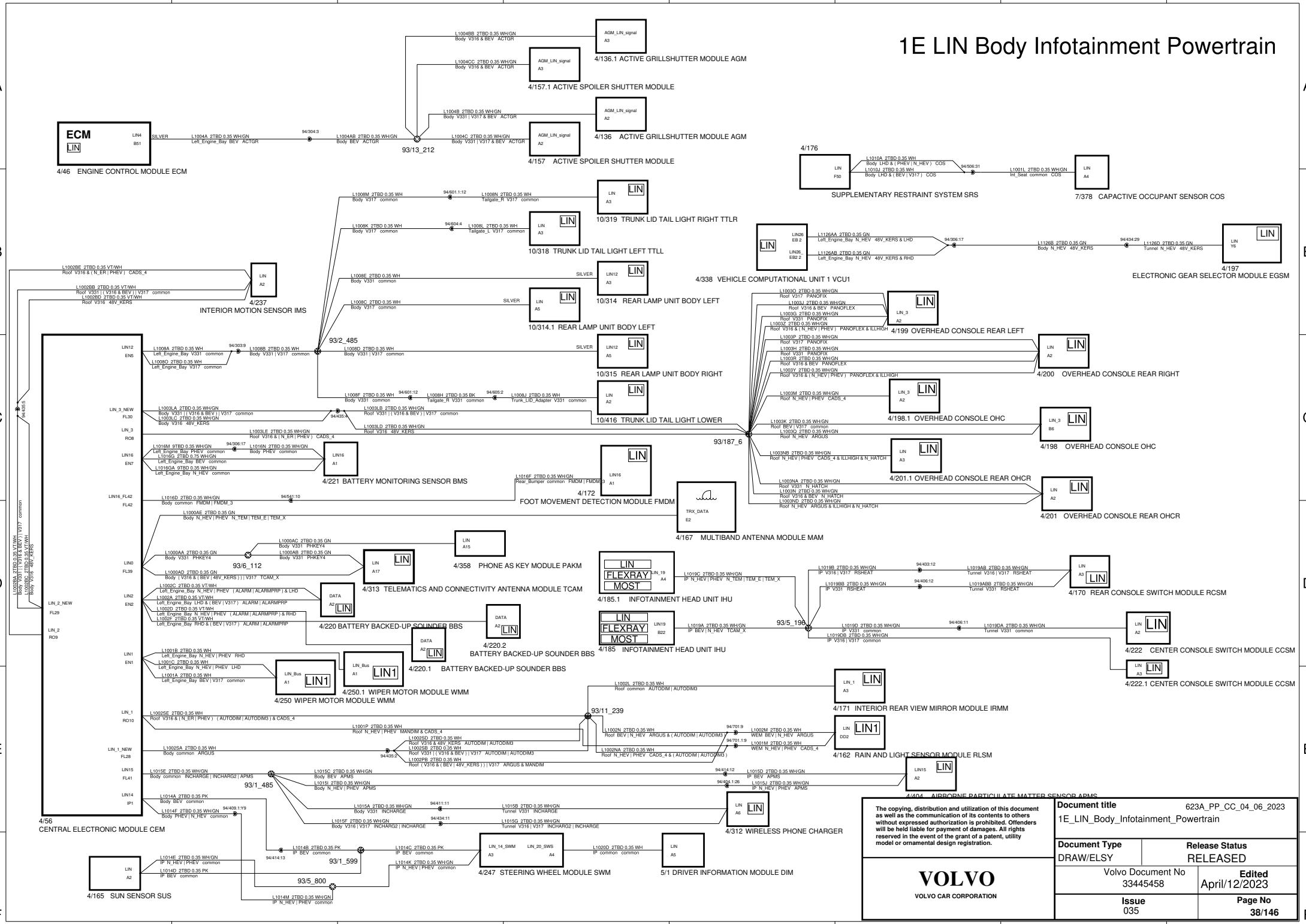
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	<p>Volvo Document No 33445458</p>	<p><b>Edited</b> March/15/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 35/146</p>

# 1E Mid 2 FlexRay



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	<p>Volvo Document No 33445458</p>	<p><b>Edited</b> March/15/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 36/146</p>

# 1E LIN Body Infotainment Powertrain

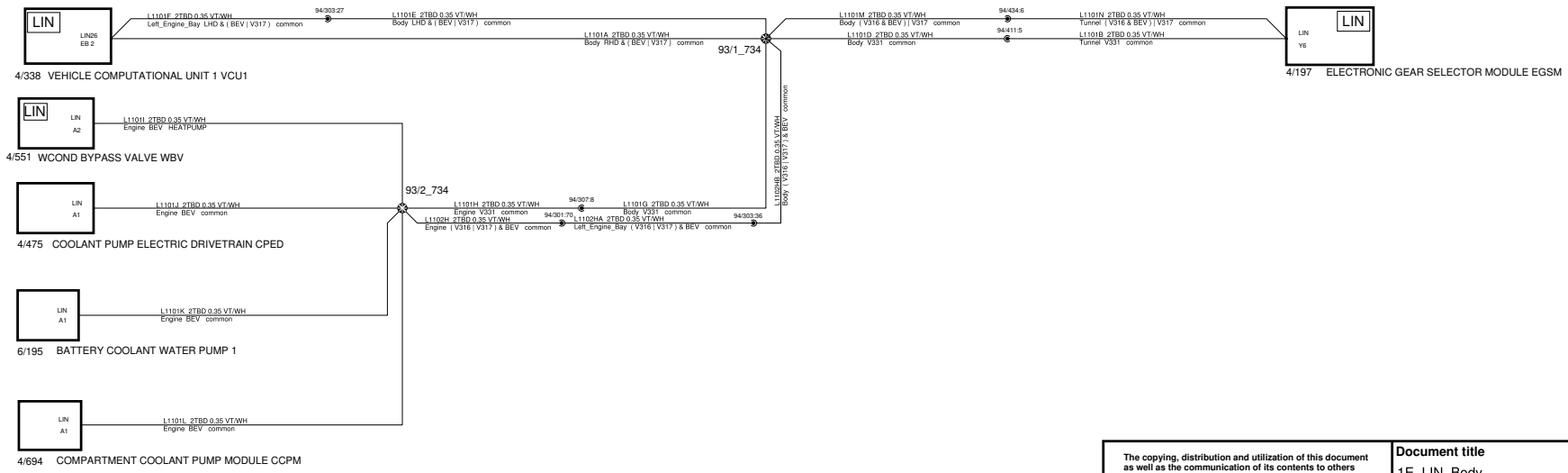
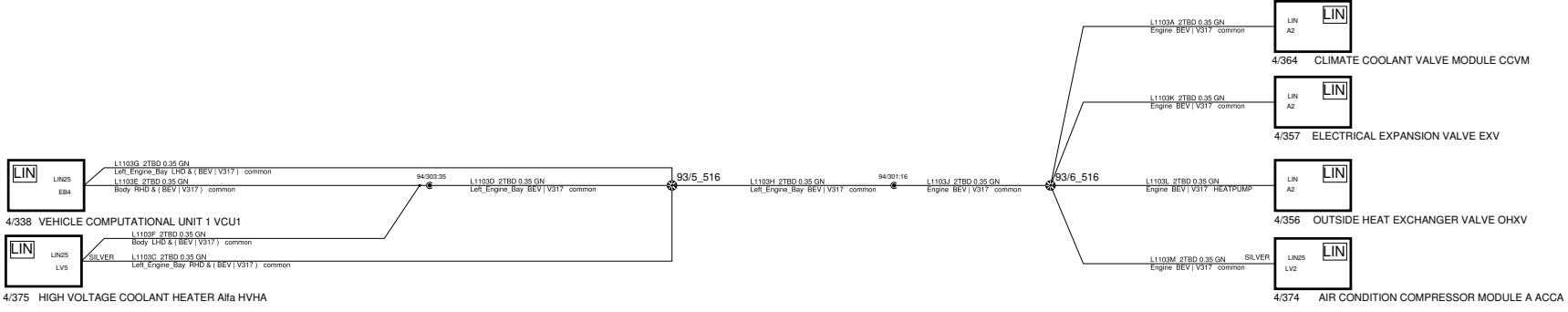


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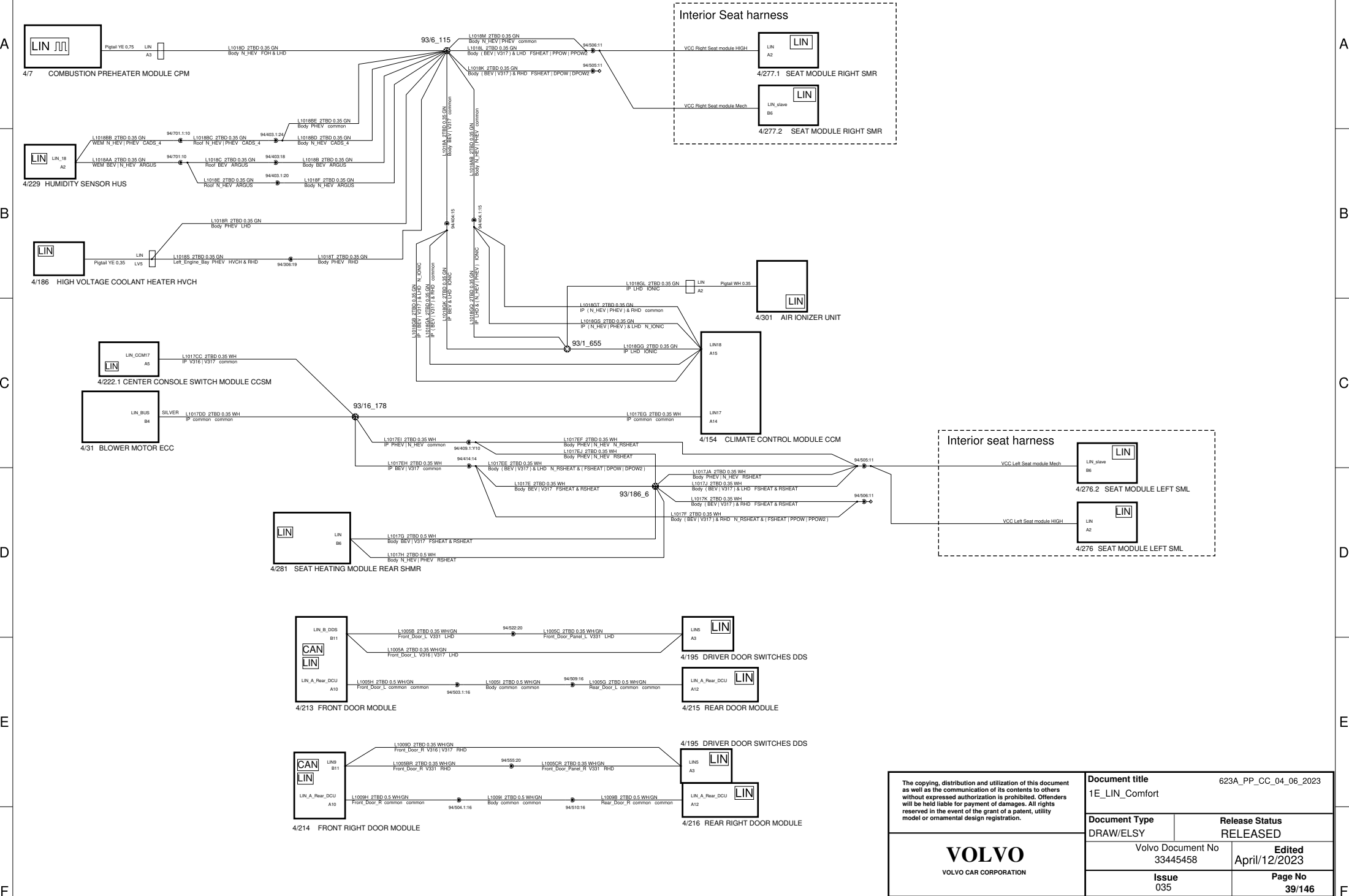
Document title		623A_PP_CC_04_06_2023	
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Document Type	Release Status		
DRAW/ELSY	RELEASED		
Issue	Volvo Document No	Edited	
035	33445458	April/12/2023	
		Page No	
		38/146	

# 1E LIN Body



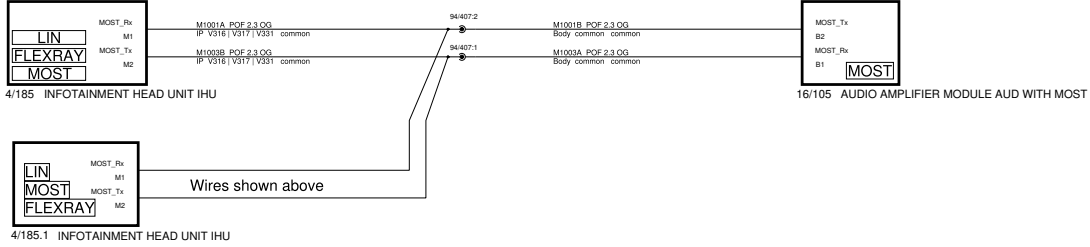
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<b>VOLVO</b> VOLVO CAR CORPORATION		Document Type DRAW/ELSY	Release Status RELEASED
		Volvo Document No 33445458	Edited April/12/2023
		Issue 035	Page No 37/146

# 1E LIN Comfort

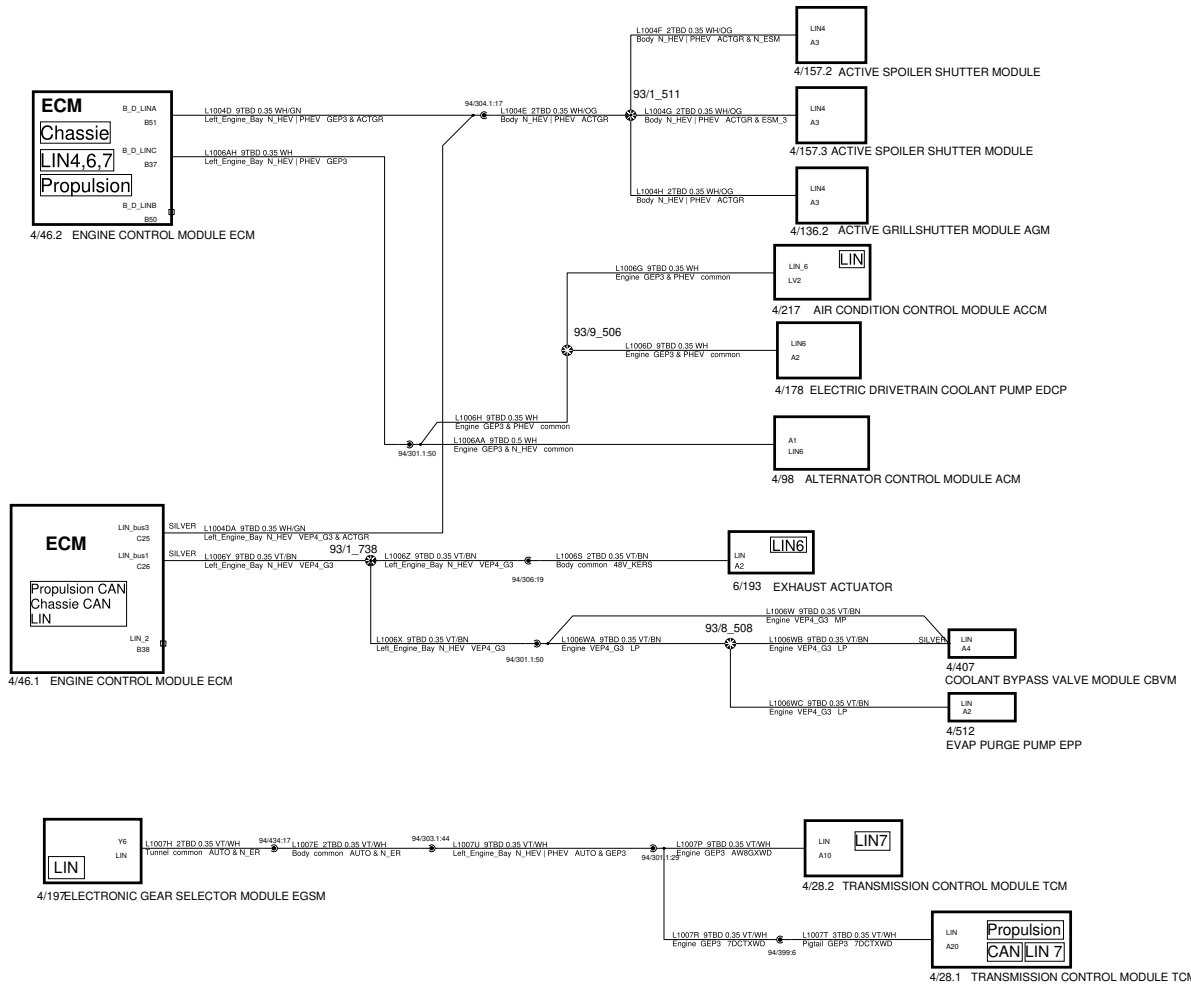


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		<p>Document Type DRAW/ELSY</p>		<p>Release Status RELEASED</p>	
		<p>Volvo Document No 33445458</p>		<p>Edited April/12/2023</p>	
		<p>Issue 035</p>		<p>Page No 39/146</p>	



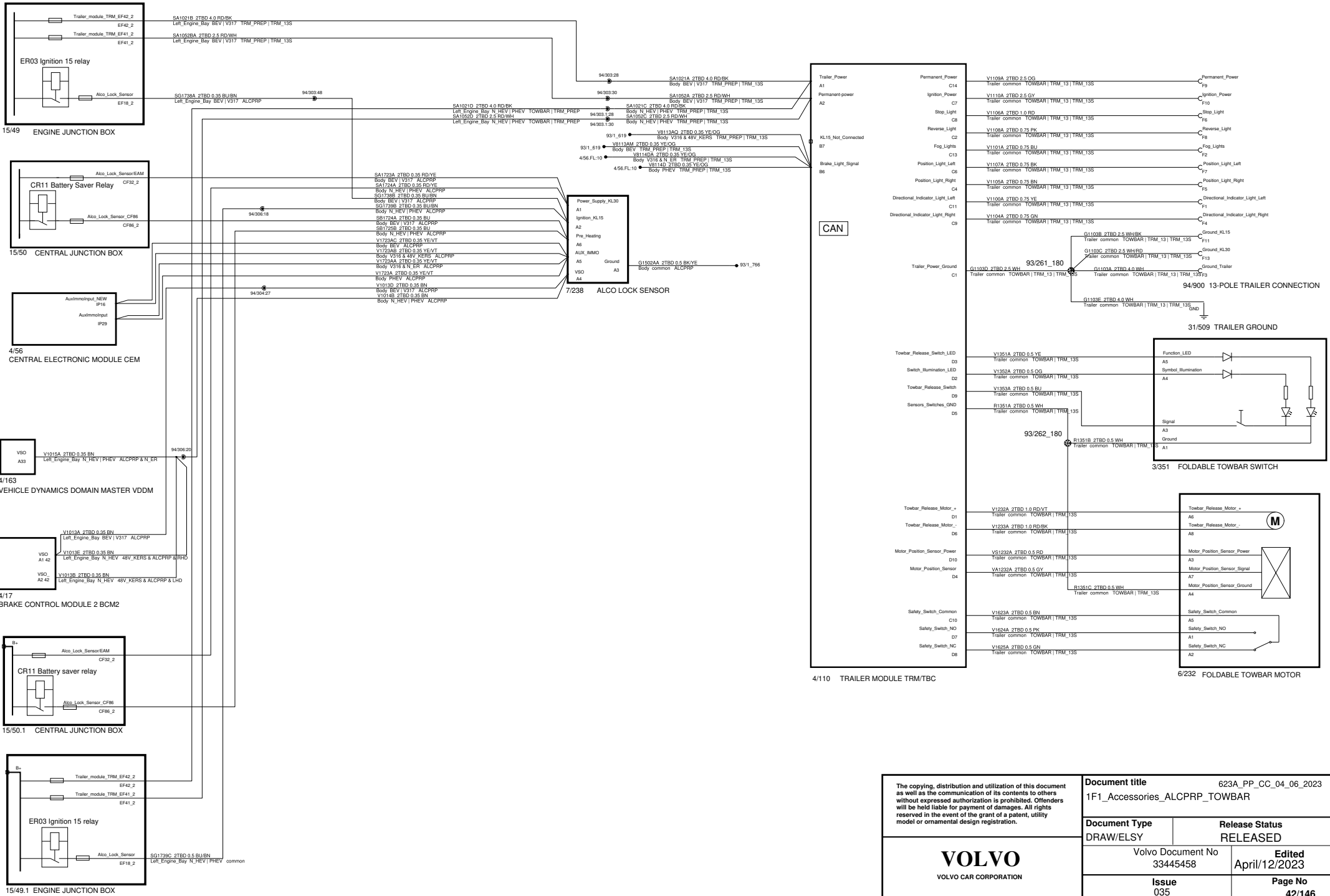


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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>Volvo Document No 33445458</p>	<p><b>Edited</b> November/01/2021</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 40/146</p>



<p><b>VOLVO</b> VOLVO CAR CORPORATION</p>	<p><b>Document title</b> 623A_PP_CC_04_06_2023 1E_LIN_POWERTRAIN_N_BEV</p>	
	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> April/12/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 41/146</p>

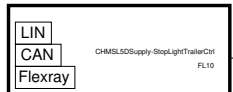
# 1F Accessories Preparation



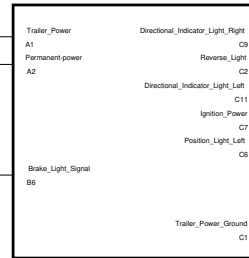
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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>Volvo Document No 33445458</p>	<p><b>Edited</b> April/12/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 42/146</p>



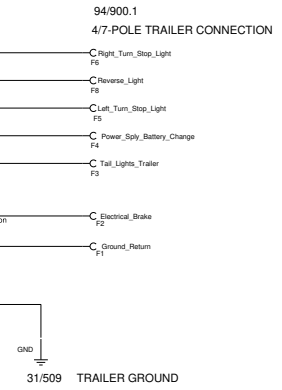
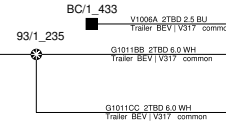
15/49 ENGINE JUNCTION BOX



4/56 CENTRAL ELECTRONIC MODULE CEM

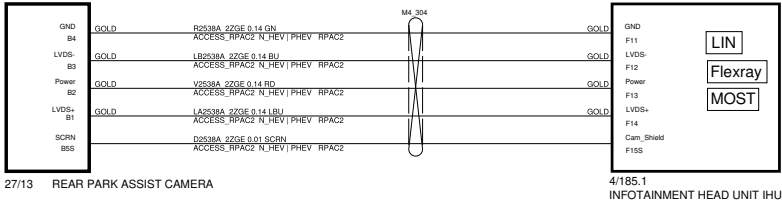


4/110 TRAILER MODULE TRM/TBC



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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> June/16/2021</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 43/146</p>

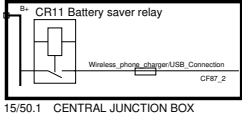
# 1F3 Accessories Rear Park Assist Camera



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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	CEVT Document No 8888522365	<b>Edited</b> November/01/2021
	<b>Issue</b> 035	<b>Page No</b> 44/146

# 1F4 Accessories USB Hub Installation Aftermarket

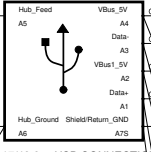
Intended solution to provide USB Hub to replace USB1 functionality  
[Valid up until structure 19W17]



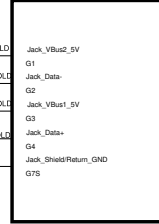
S8605A 2TBD 0.5 RD  
ACCESS\_USB\_HUB\_N\_HEV1PHEV\_USB\_1

G1370B 2TBD 0.5 BK  
ACCESS\_USB\_HUB\_RHD\_USB\_1  
G1380E 2TBD 0.5 BK  
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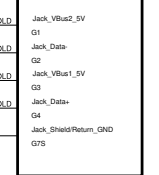
31/402 GROUND IP A-POST RIGHT



Wires shown on 7A Infotainment page



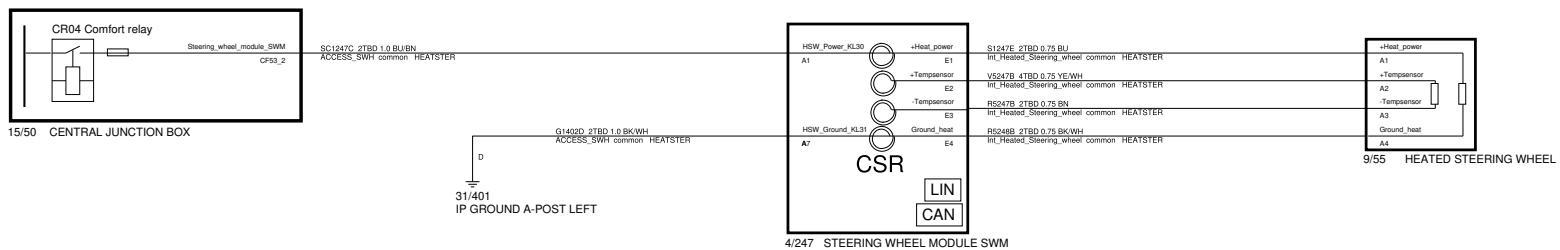
4/185 INFOTAINMENT HEAD UNIT IHU



4/185.1 INFOTAINMENT HEAD UNIT IHU

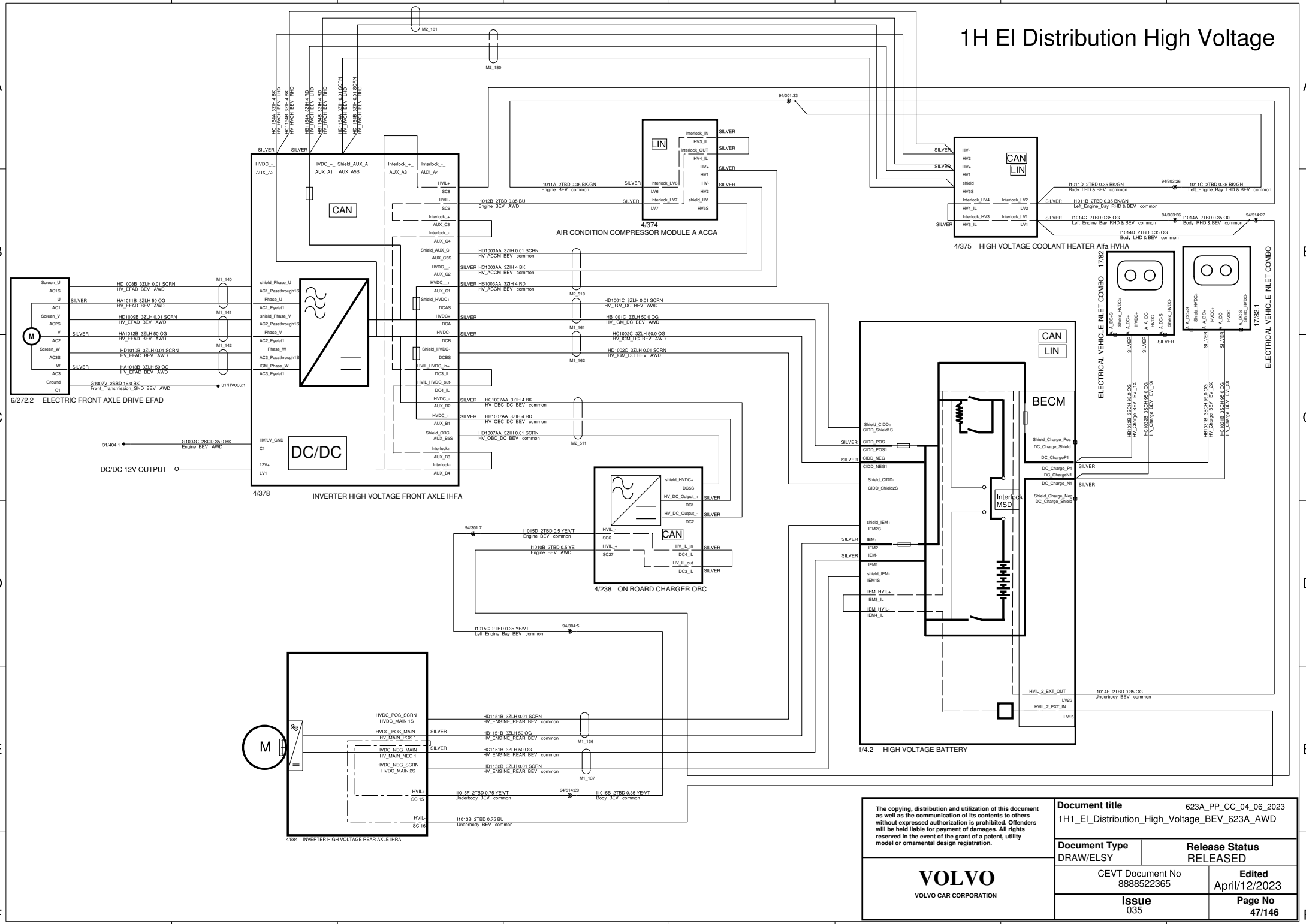
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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> November/01/2021</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 45/146</p>

# 1F5 Accessories Steering Wheel Heating



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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> April/12/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 46/146</p>

# 1H EI Distribution High Voltage



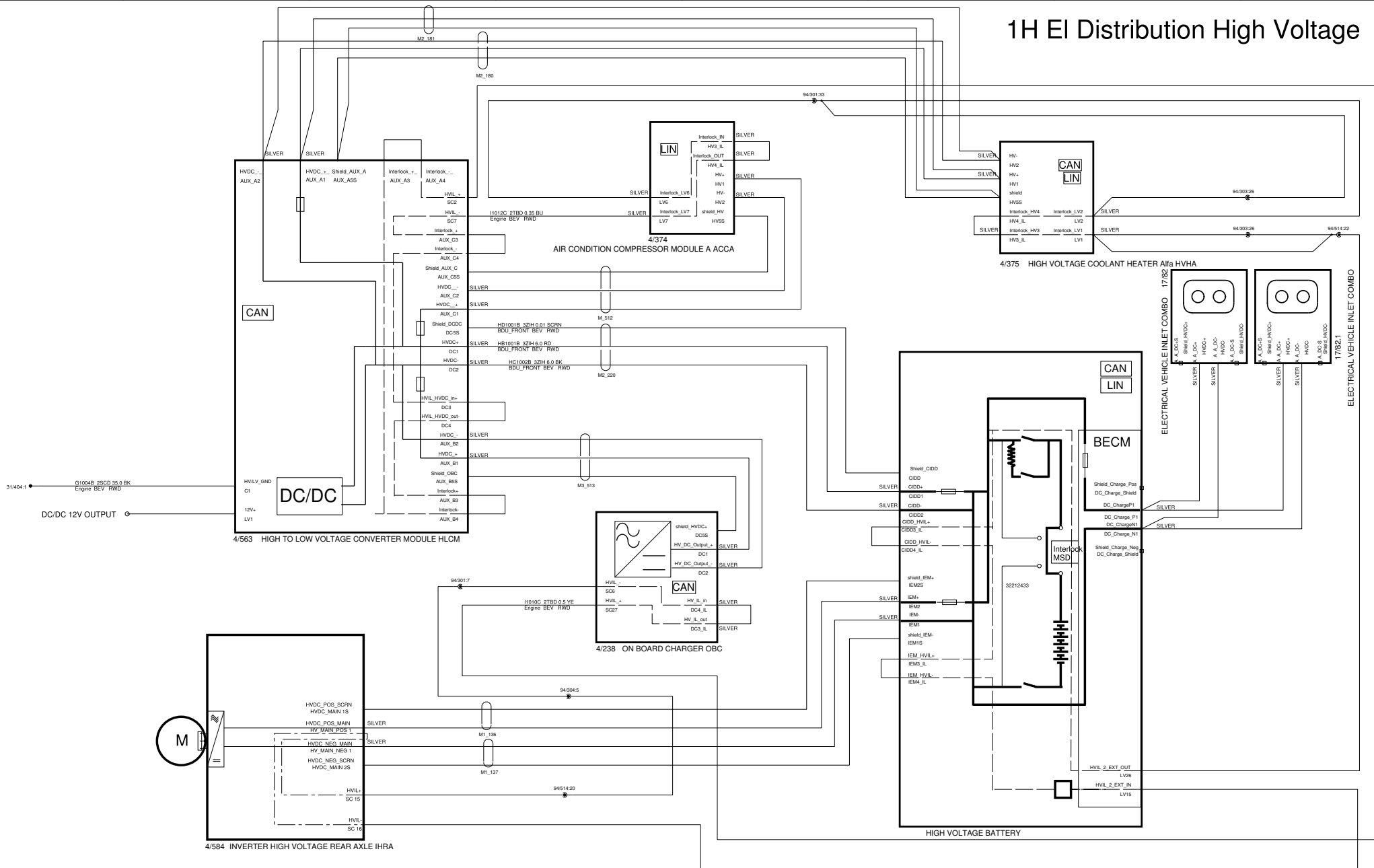
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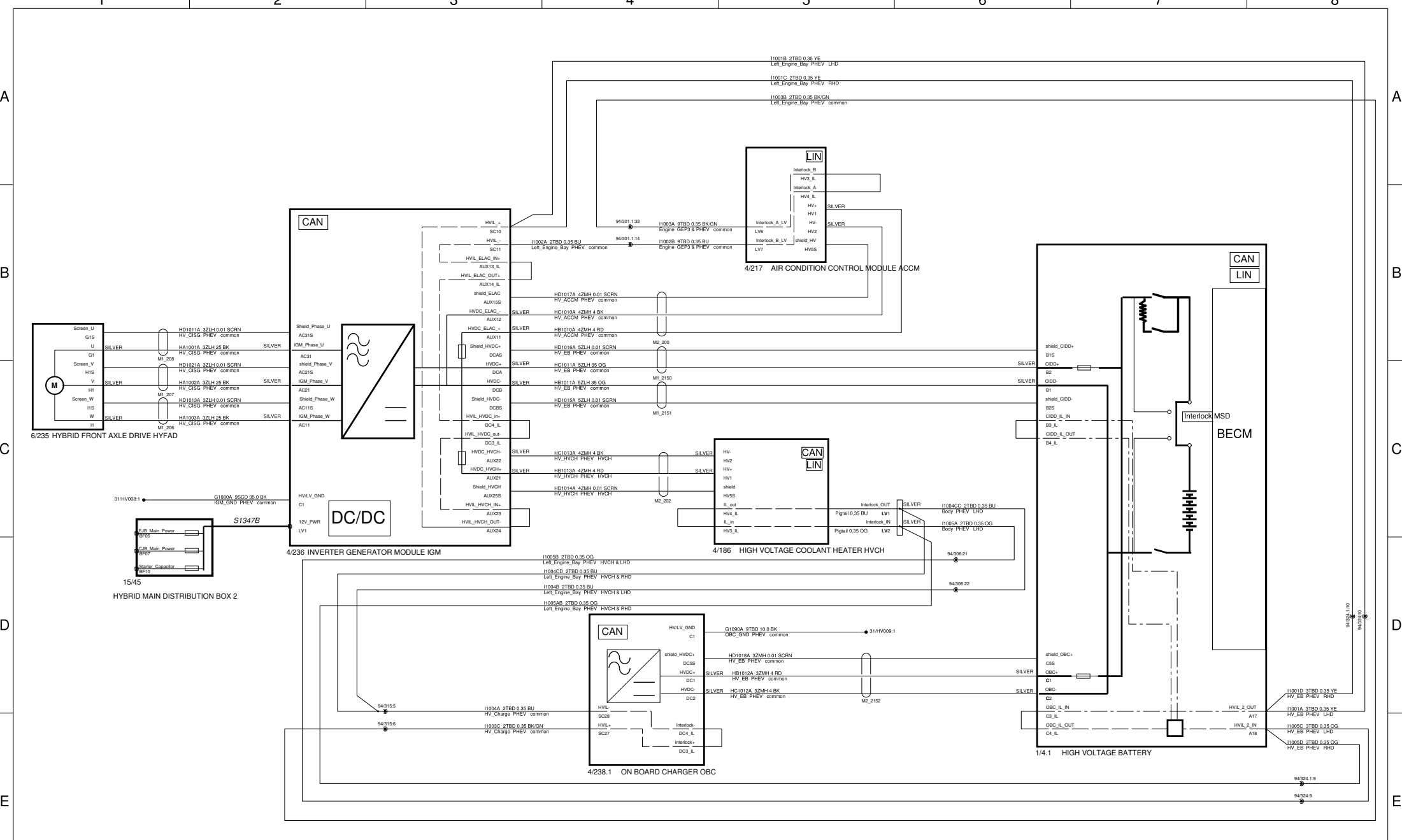
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<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
CEVT Document No 8888522365	<b>Edited</b> April/12/2023
<b>Issue</b> 035	<b>Page No</b> 47/146



# 1H EI Distribution High Voltage

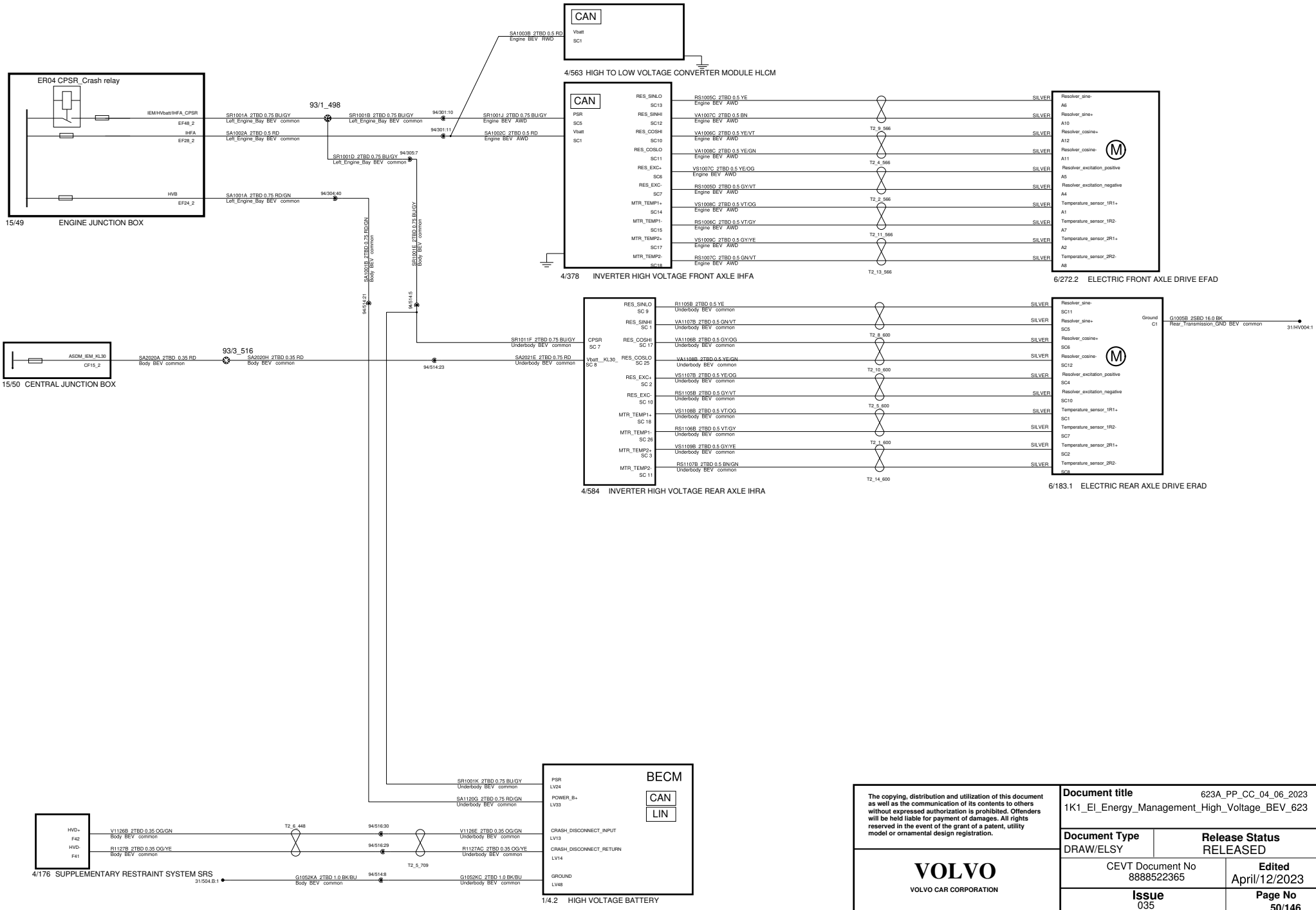


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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> April/12/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 48/146</p>



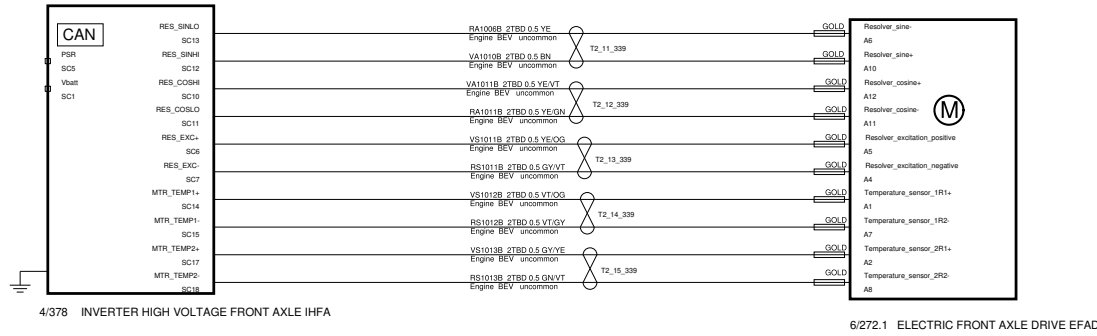
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<p><b>VOLVO</b> VOLVO CAR CORPORATION</p>		<p>CEVT Document No 8888522365</p>	<p>Edited March/30/2023</p>
		<p>Issue 035</p>	<p>Page No 49/146</p>

# 1K EI Energy Management High Voltage 623

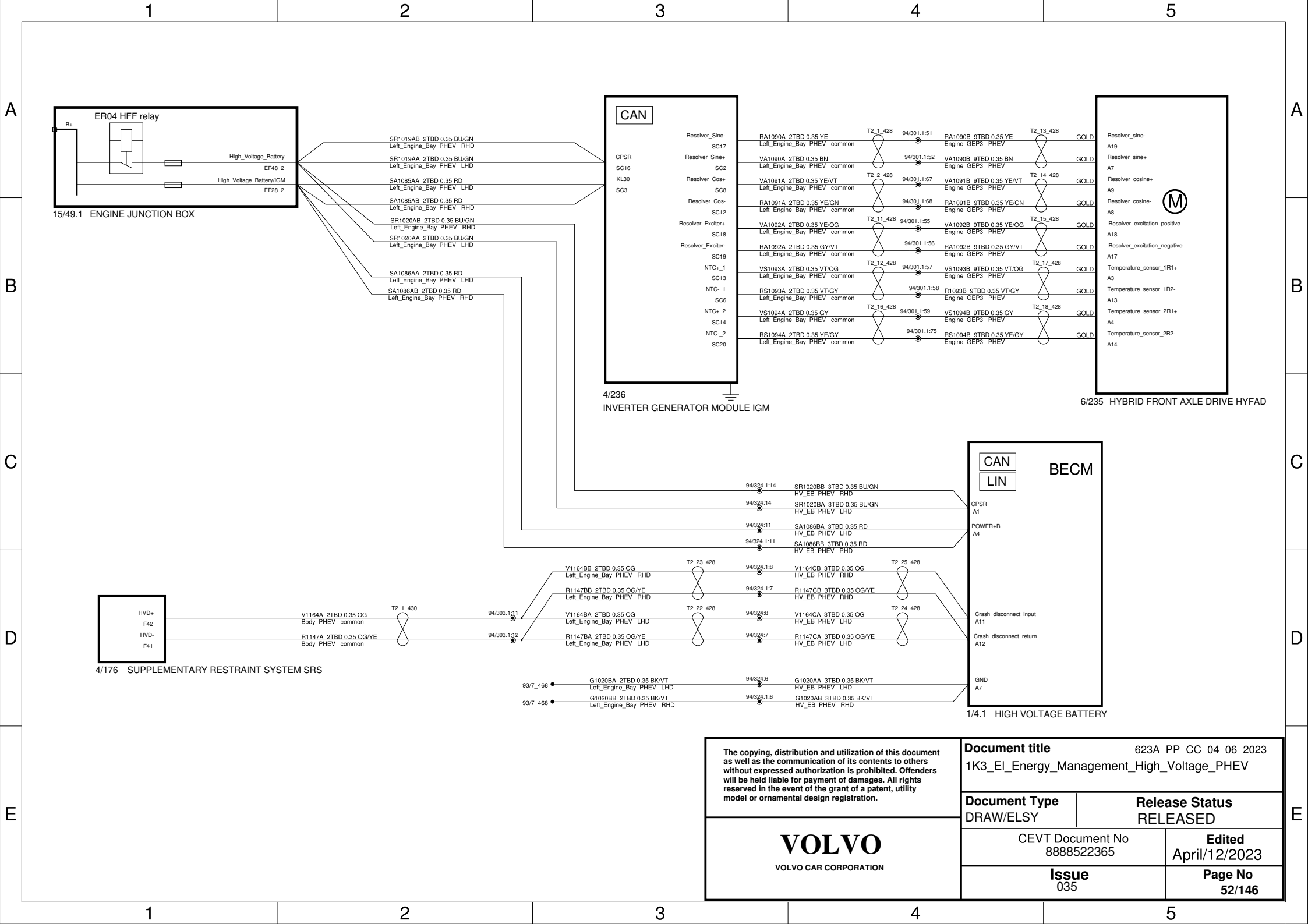


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		<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
		<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> April/12/2023</p>
		<p><b>Issue</b> 035</p>	<p><b>Page No</b> 50/146</p>

# 1K EI Energy Management High Voltage-China Market ARTEI-27579

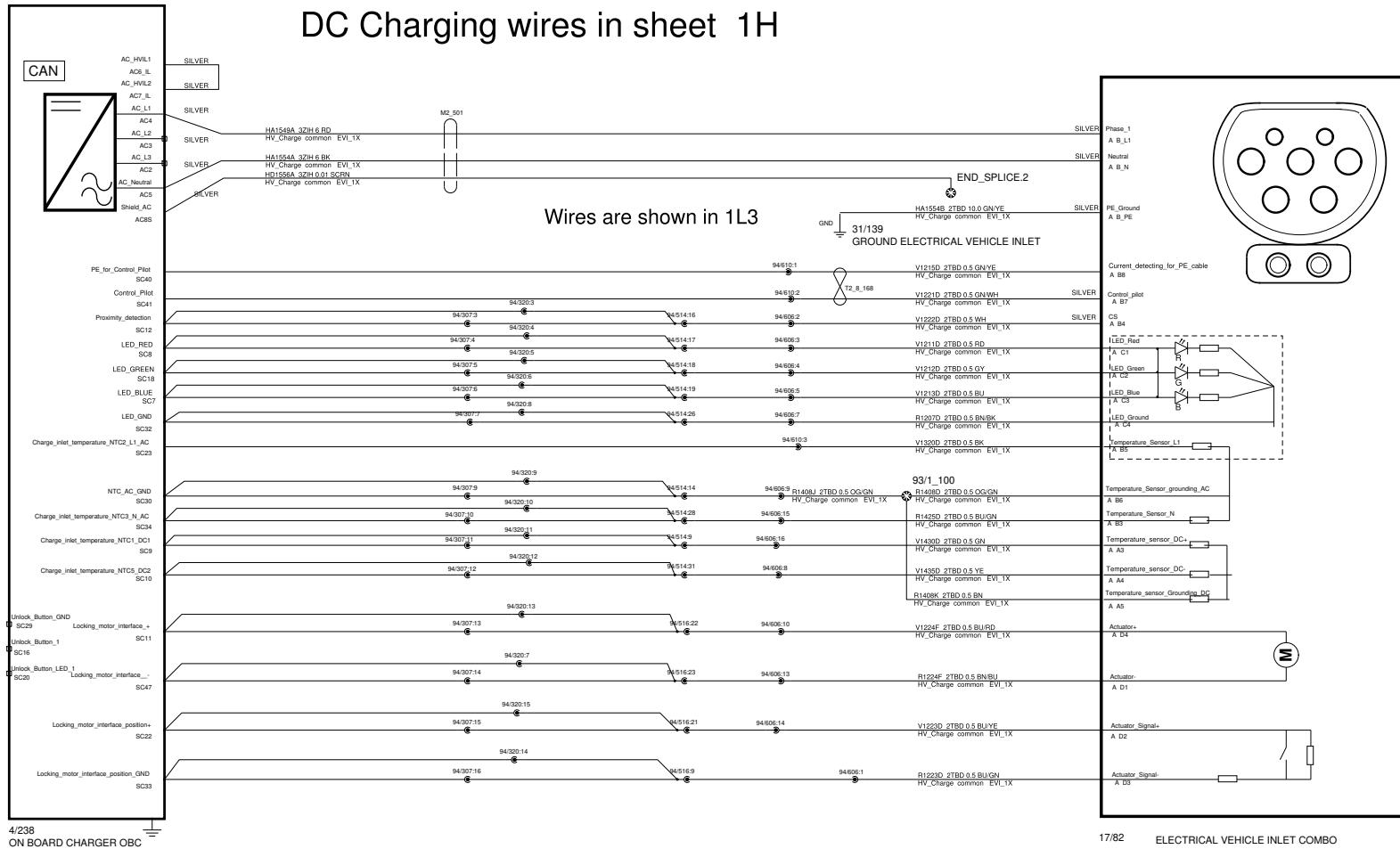


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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	CEVT Document No 8888522365	<b>Edited</b> April/04/2023
	<b>Issue</b> 035	<b>Page No</b> 51/146



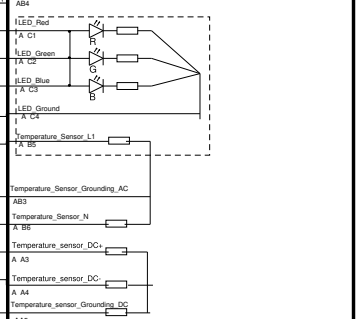
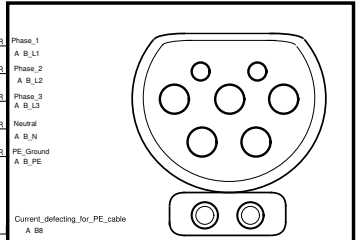
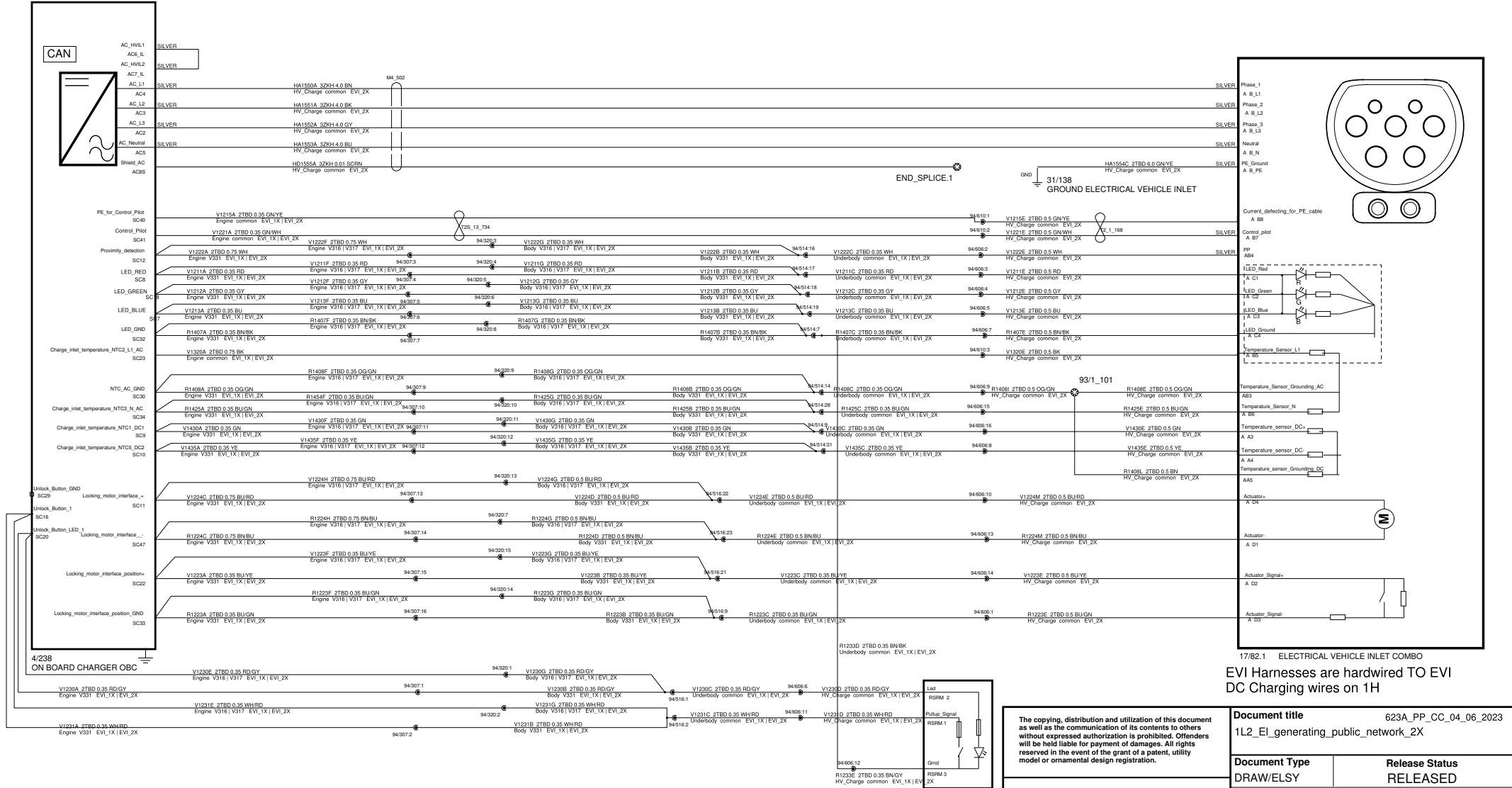
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	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 52/146</p>

DC Charging wires in sheet 1H



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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> March/21/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 53/146</p>

# 1L3 EI generating public network



EV1 Harnesses are hardwired TO EV1 DC Charging wires on 1H

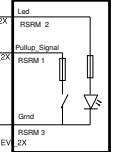
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Document title: 623A\_PP\_CC\_04\_06\_2023  
1L2\_EI\_generating\_public\_network\_2X

Document Type	Release Status
DRAW/ELSY	RELEASED
Volvo Document No 33445458	Edited April/12/2023
Issue 035	Page No 54/146

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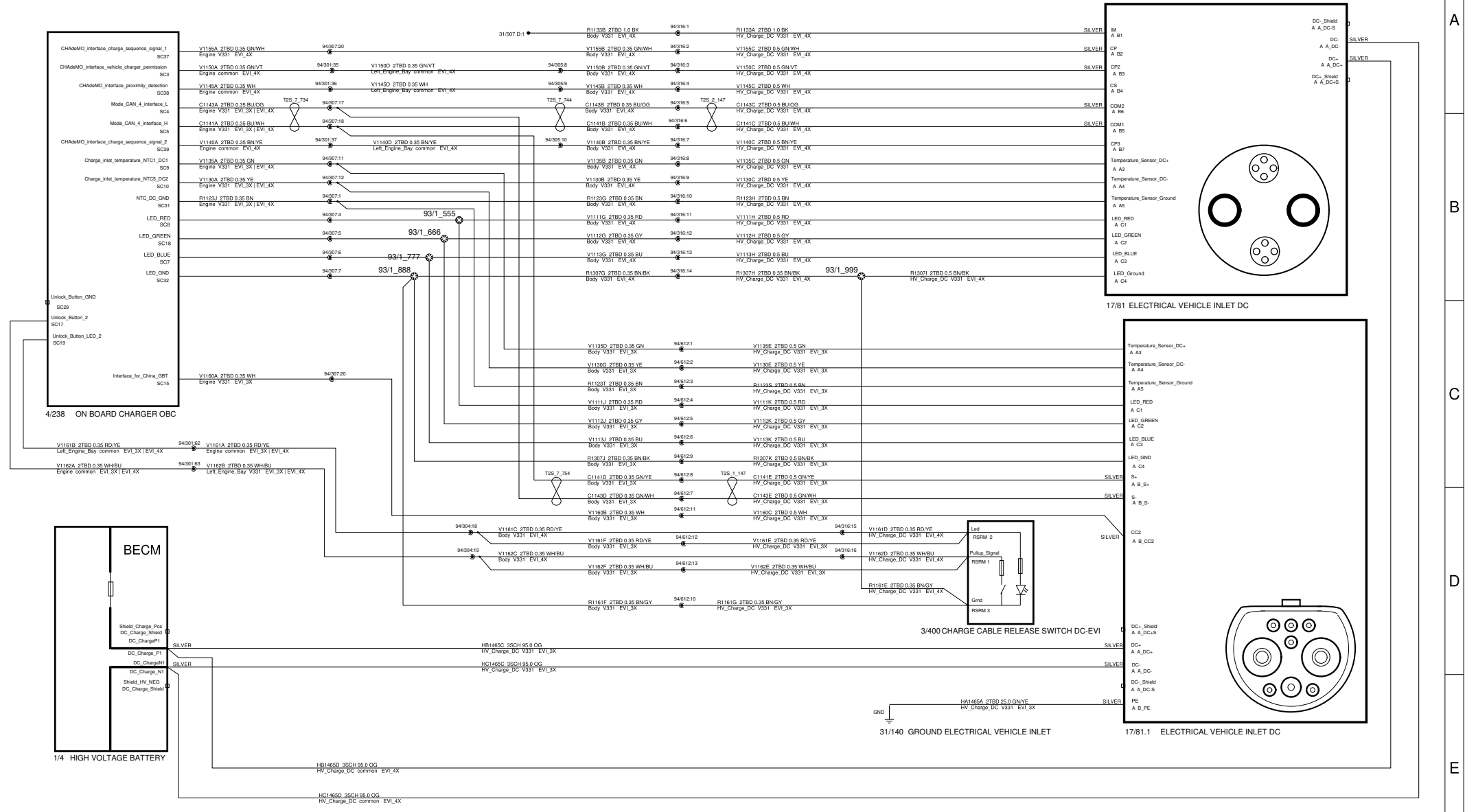
3/447  
CHARGE CABLE RELEASE SWITCH



# 1L4 EI generating public network

EVI harnesses are hardwired to EVI

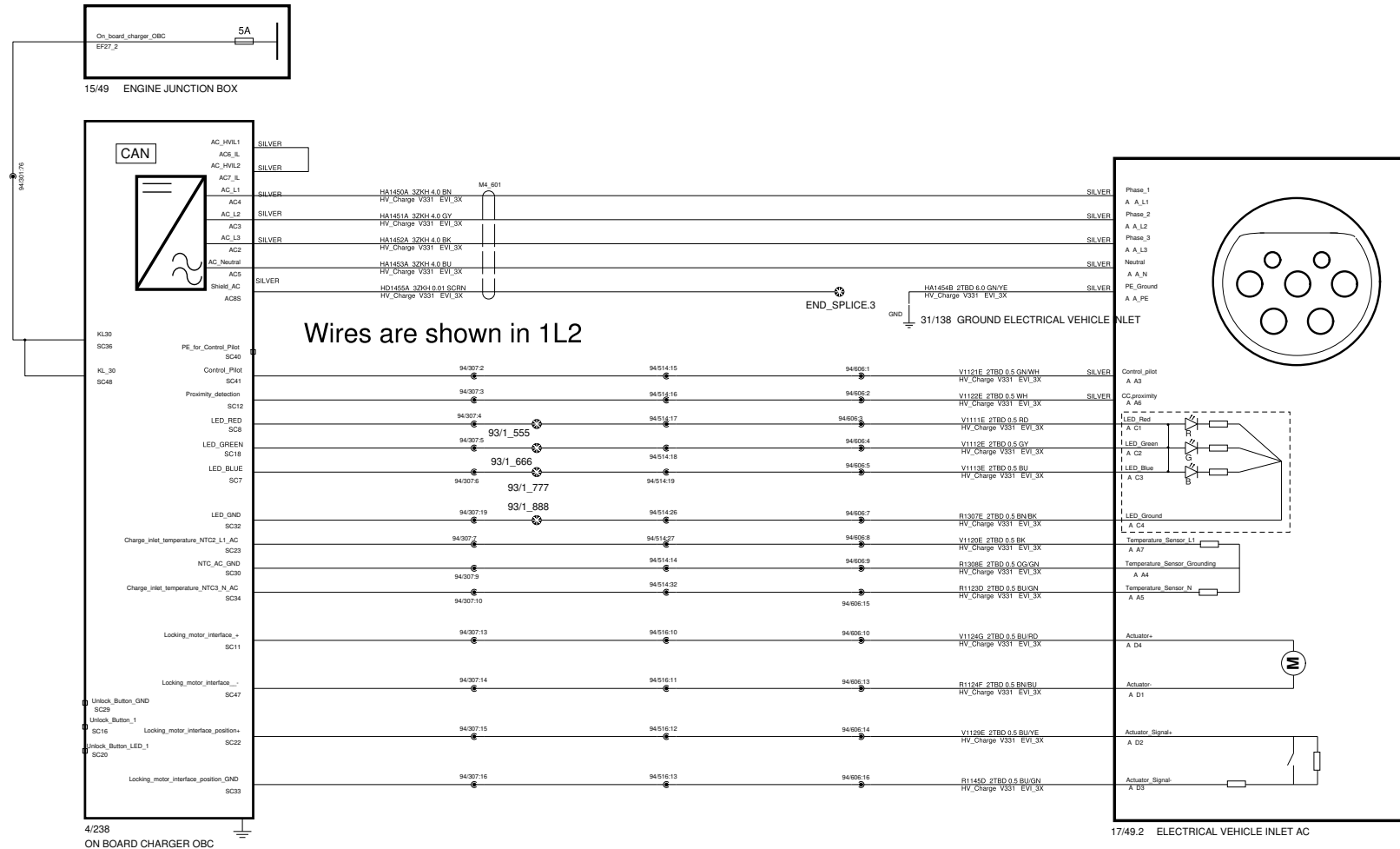
## GROUND ELECTRICAL VEHICAL INLET



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	<b>Document Type</b> DRAW/ELSY		<b>Release Status</b> RELEASED	
	CEVT Document No 8888522365		Edited April/12/2023	
<b>Issue</b> 035		<b>Page No</b> 55/146		



# 1L7 EI generating public network

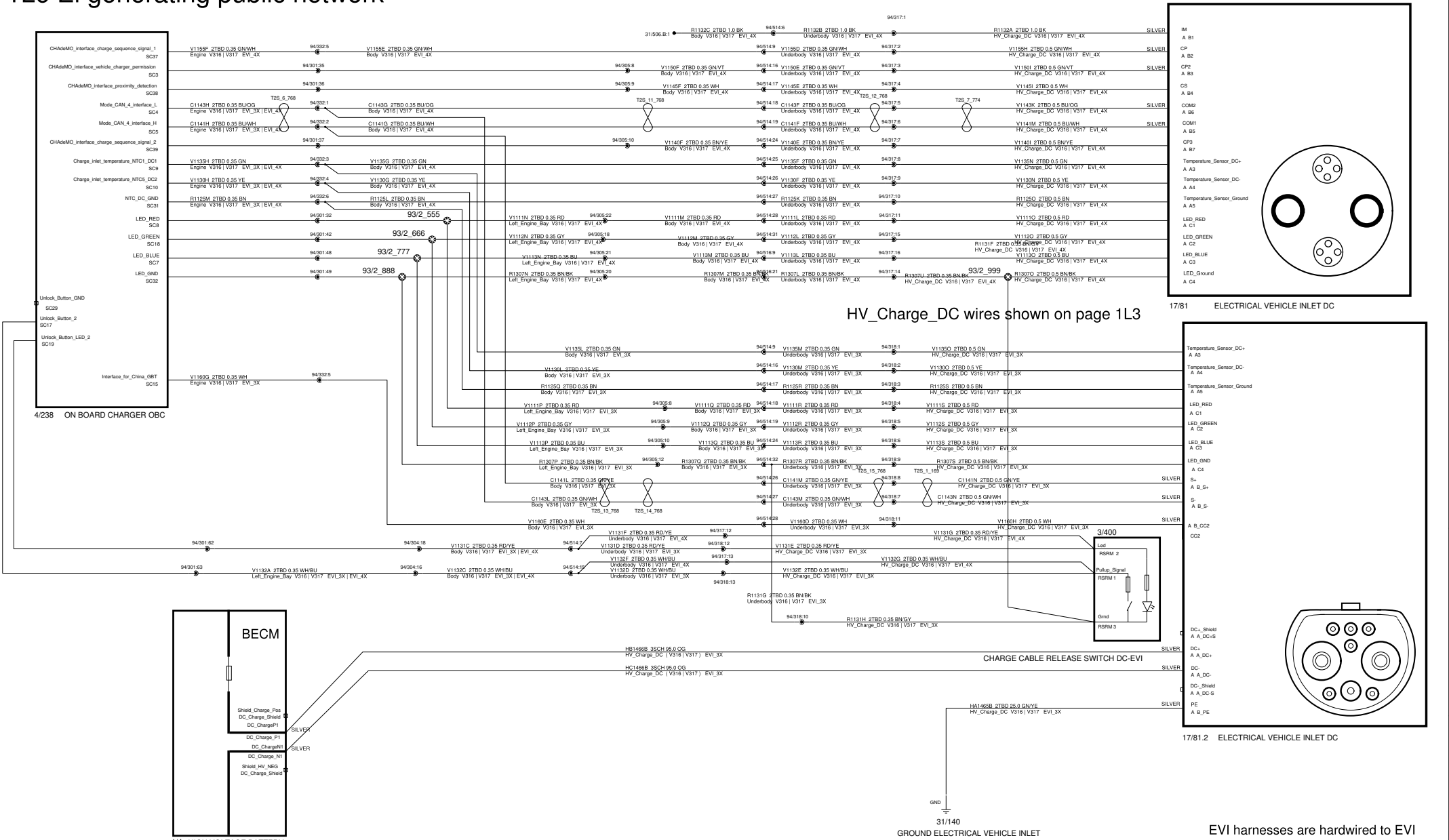


Wires are shown in 1L2

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	<p>CEVT Document No 8888522365</p>		<p><b>Edited</b> April/12/2023</p>	
	<p><b>Issue</b> 035</p>		<p><b>Page No</b> 56/146</p>	



# 1L6 EI generating public network



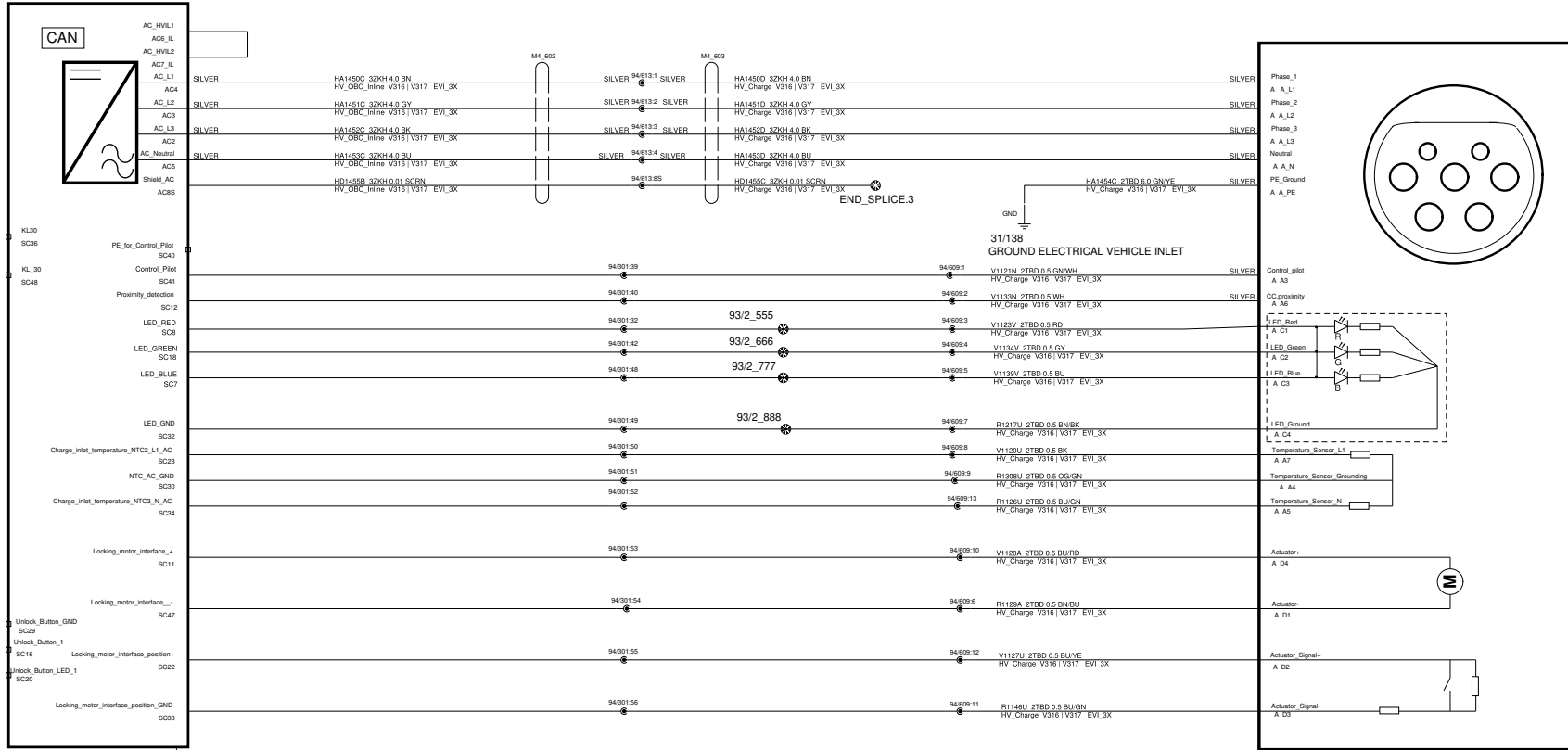
HV\_Charge\_DC wires shown on page 1L3

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<p>CEVT Document No 8888522365</p>		<p>Edited April/12/2023</p>	
<p>Issue 035</p>		<p>Page No 58/146</p>	



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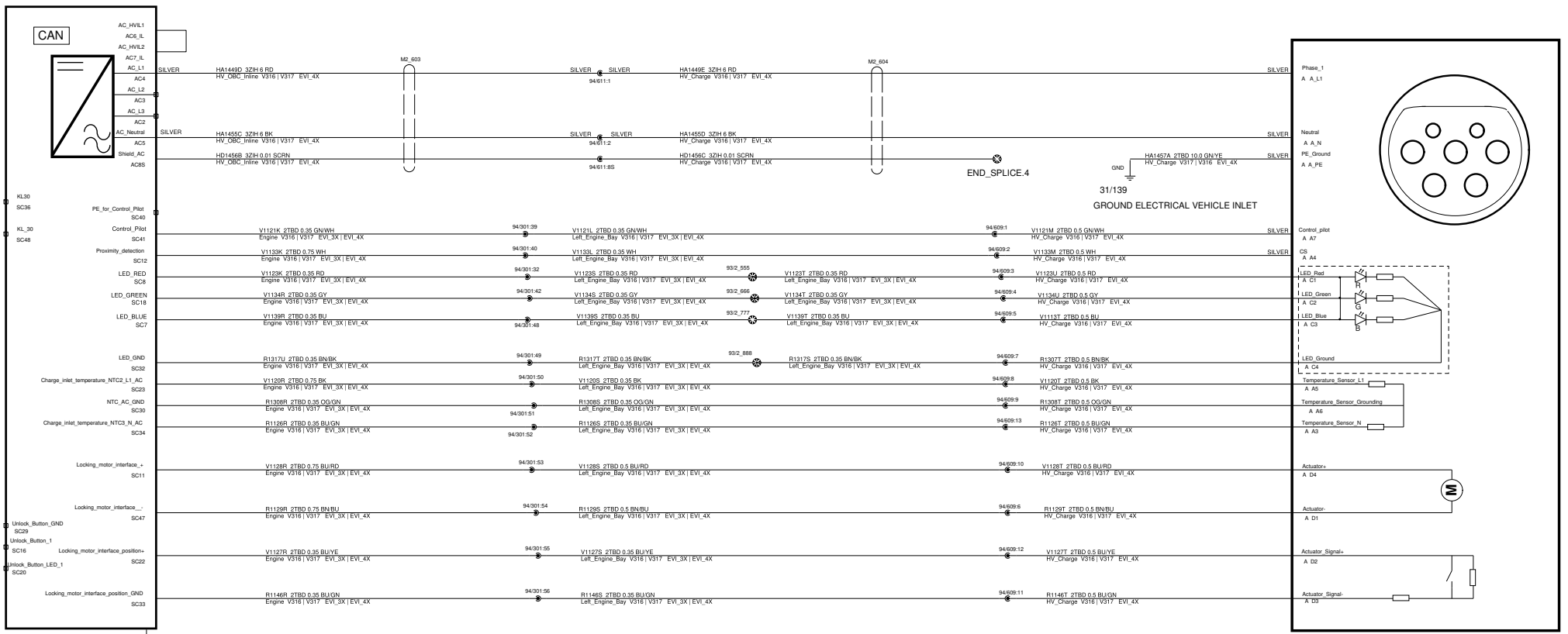
EVI harnesses are hardwired to EVI



4/238  
ON BOARD CHARGER OBC

17/49.3  
ELECTRICAL VEHICLE INLET AC

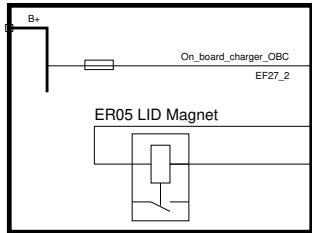
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	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 59/146</p>



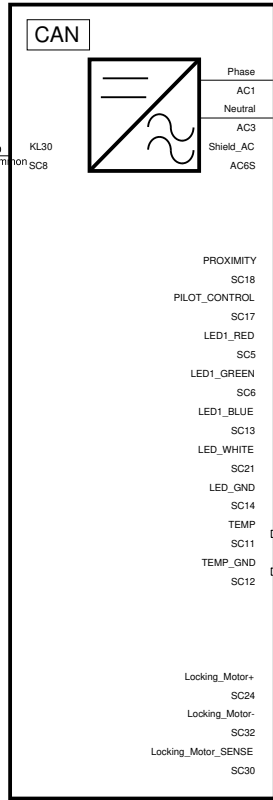
4/238  
ON BOARD CHARGER OBC

17/49 ELECTRICAL VEHICLE INLET AC

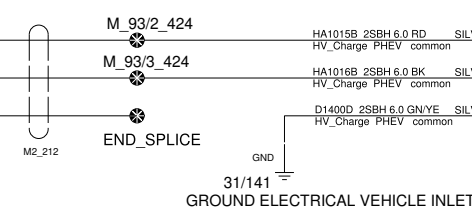
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	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 60/146</p>



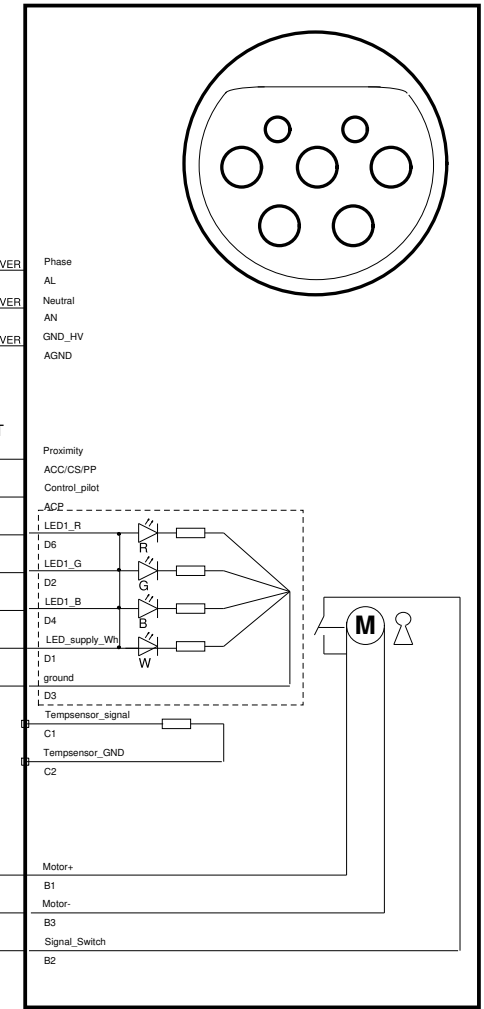
15/49.1 ENGINE JUNCTION BOX



4/238.1 ON BOARD CHARGER OBC

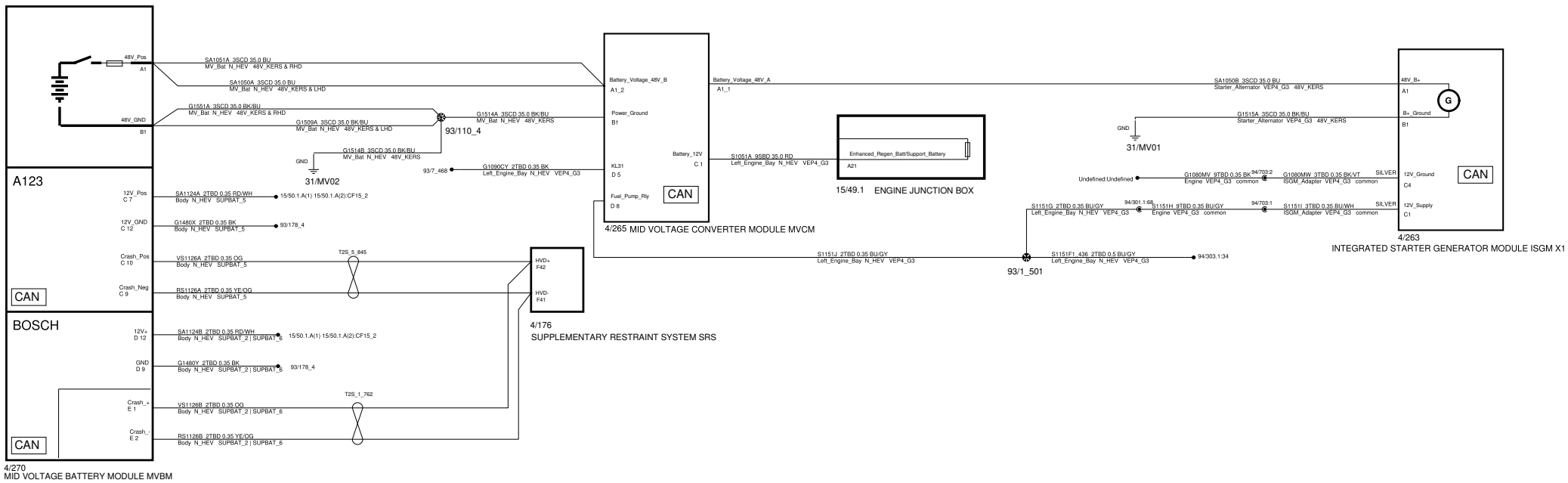


31/141 GROUND ELECTRICAL VEHICLE INLET

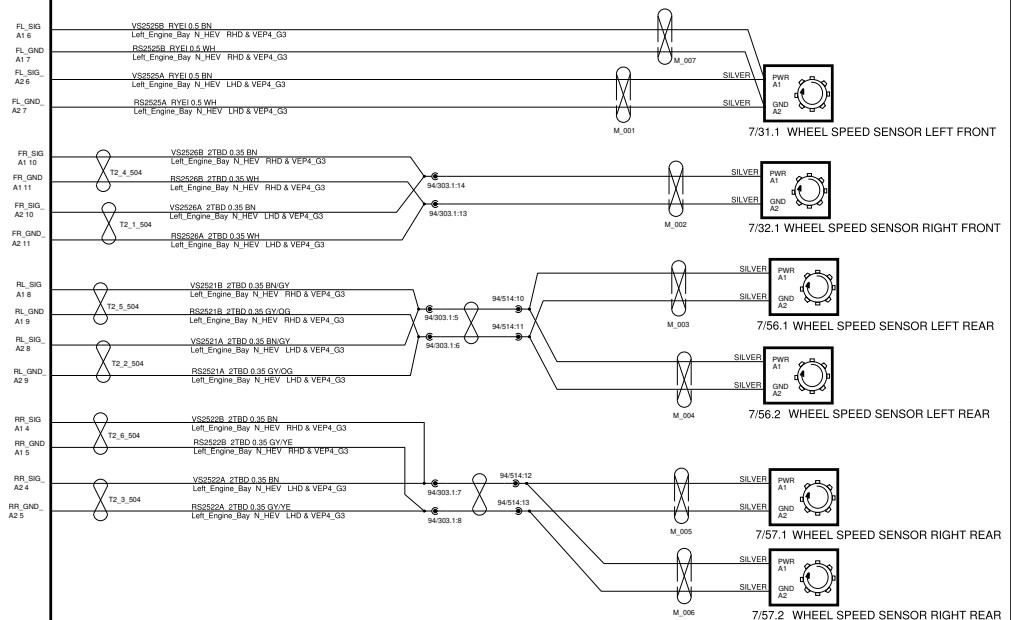
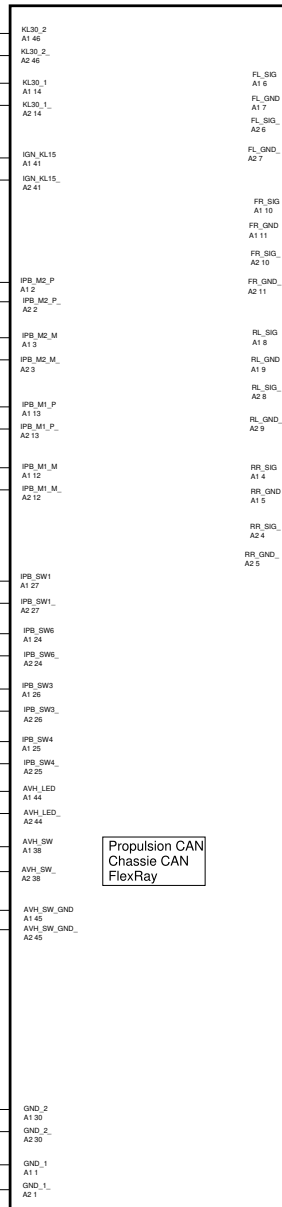
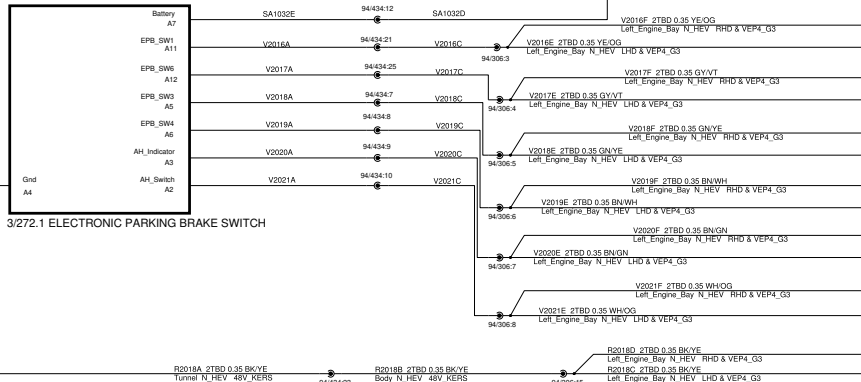
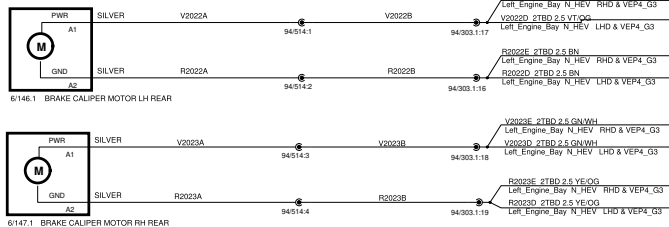
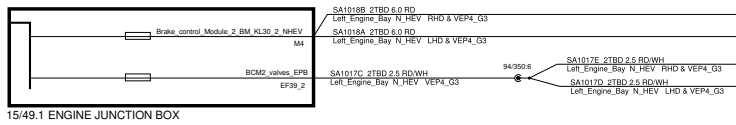


17/49.5 ELECTRICAL VEHICLE INLET

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	<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> April/13/2023</p>
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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
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Propulsion CAN  
Chassis CAN  
FlexRay

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<p>Document Type DRAW/ELSY</p>		<p>Release Status RELEASED</p>	
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<p>Issue 035</p>		<p>Page No 64/146</p>	

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A

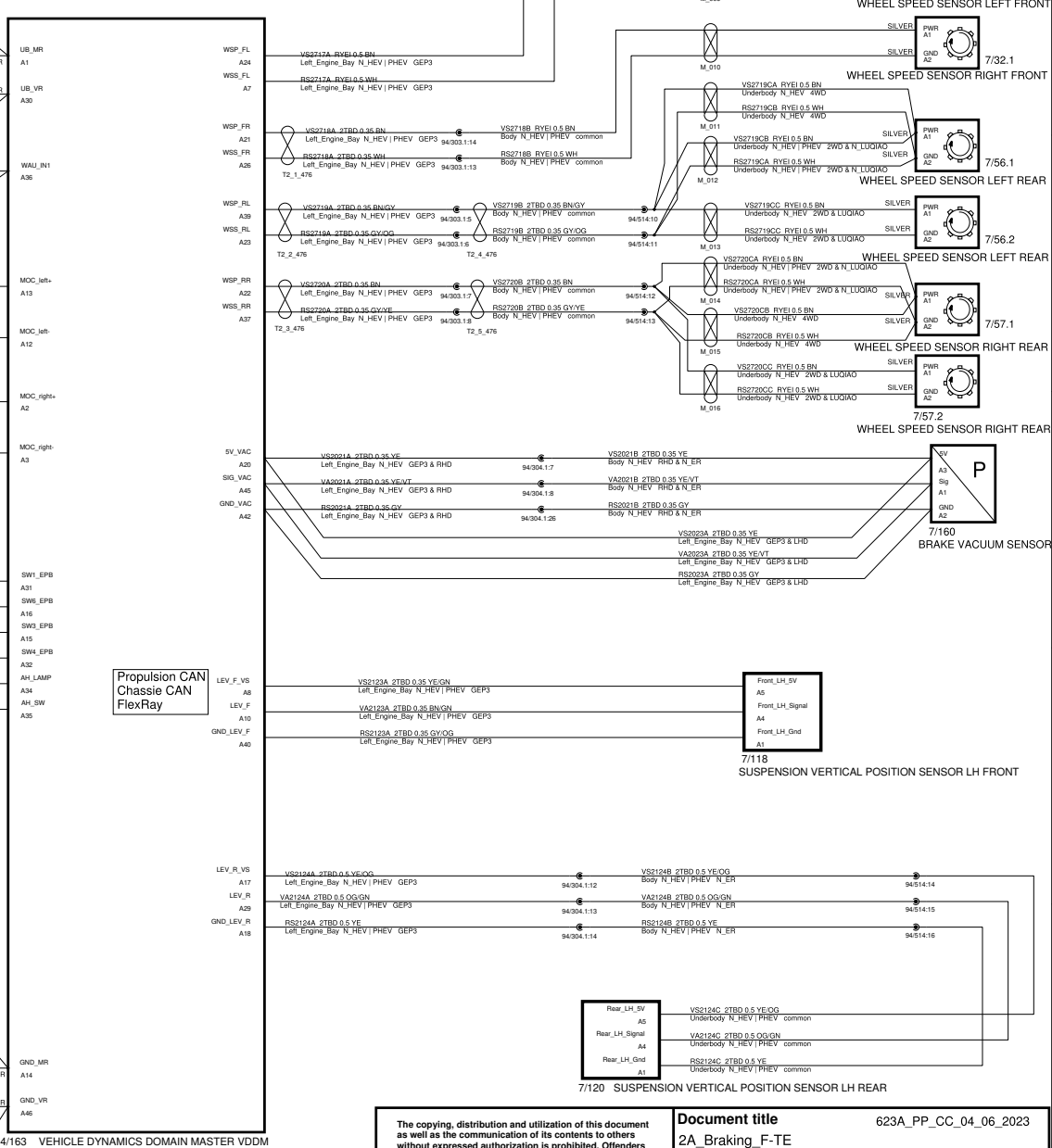
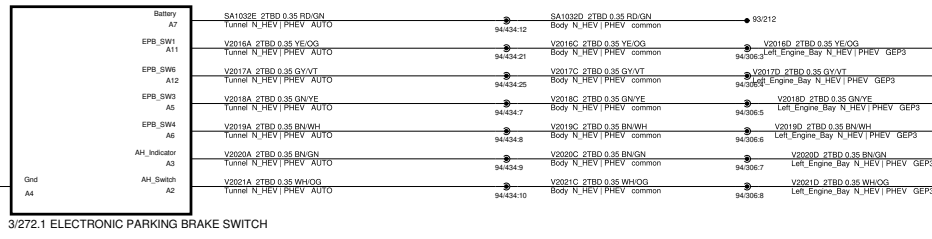
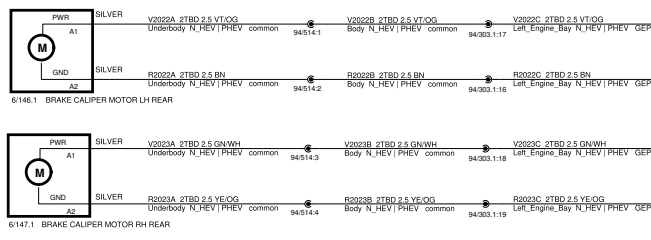
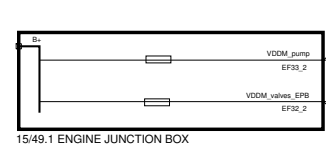
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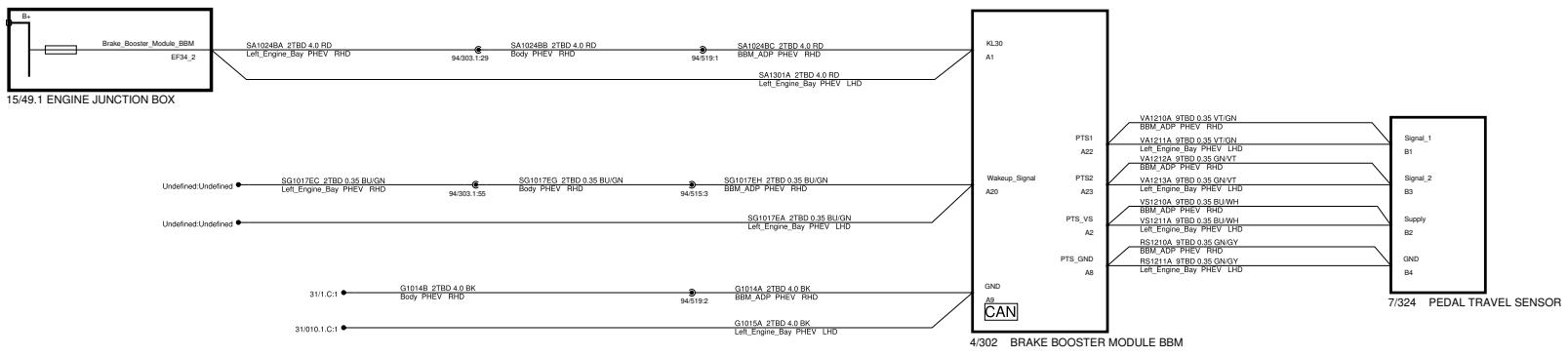
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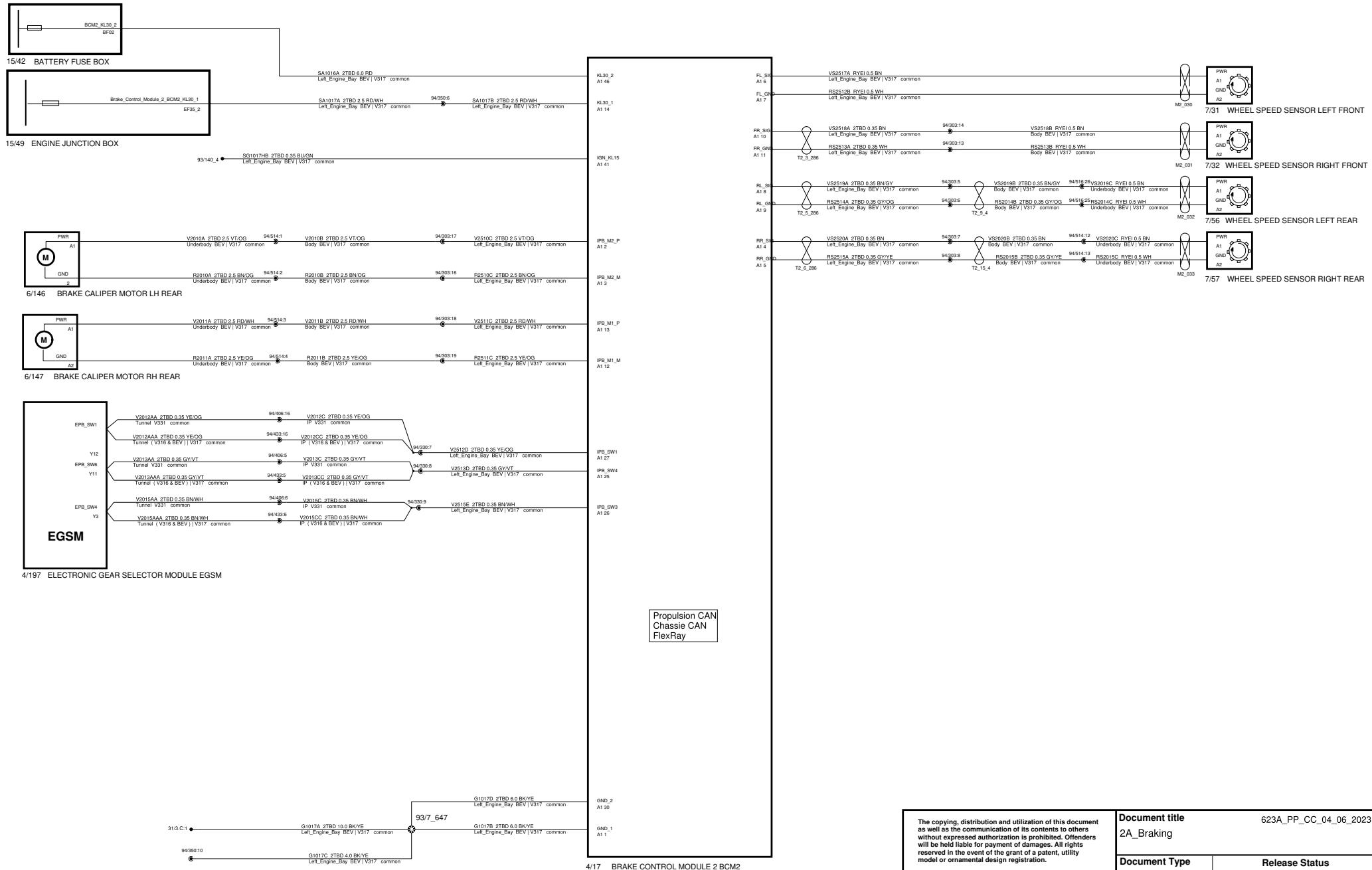
G1105G\_2TRBD.0.35 BK Tunnel N\_HEV|PHEV AUTO SW LER

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		<p>Document Type <b>DRAW/ELSY</b></p>	<p>Release Status <b>RELEASED</b></p>		<p>Edited <b>April/13/2023</b></p>
		<p>CEVT Document No <b>8888522365</b></p>	<p>Issue <b>035</b></p>		<p>Page No <b>65/146</b></p>



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	<b>Issue</b> 035	<b>Page No</b> 66/146

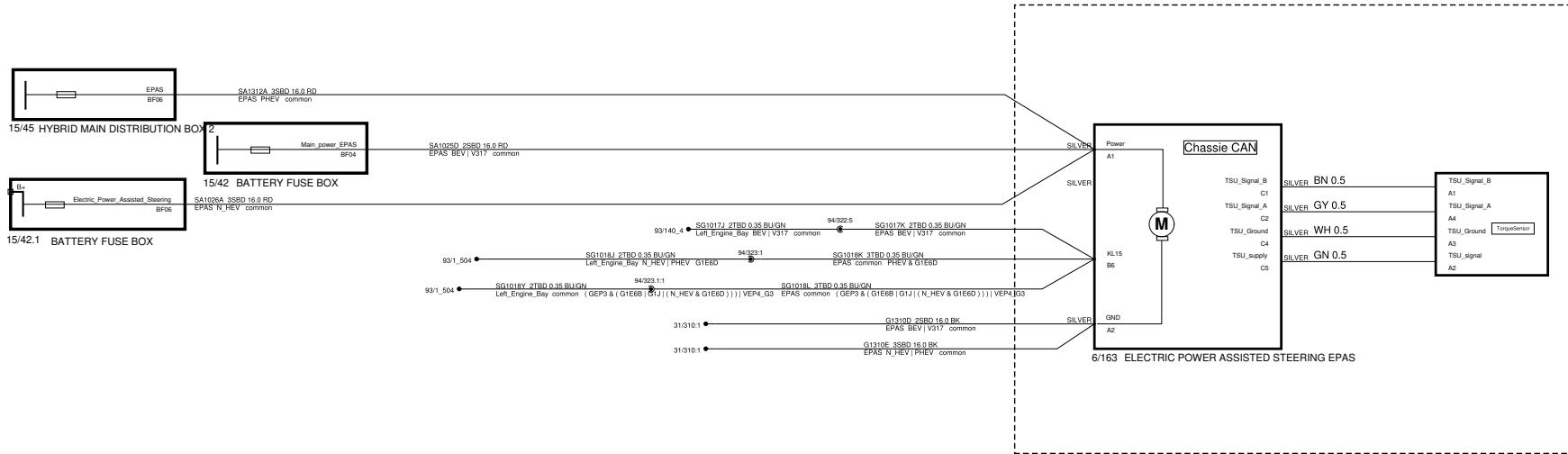
# 2A Braking



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		<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
<p><b>VOLVO</b> VOLVO CAR CORPORATION</p>		Volvo Document No 33445458	<b>Edited</b> April/13/2023
		<b>Issue</b> 035	<b>Page No</b> 63/146

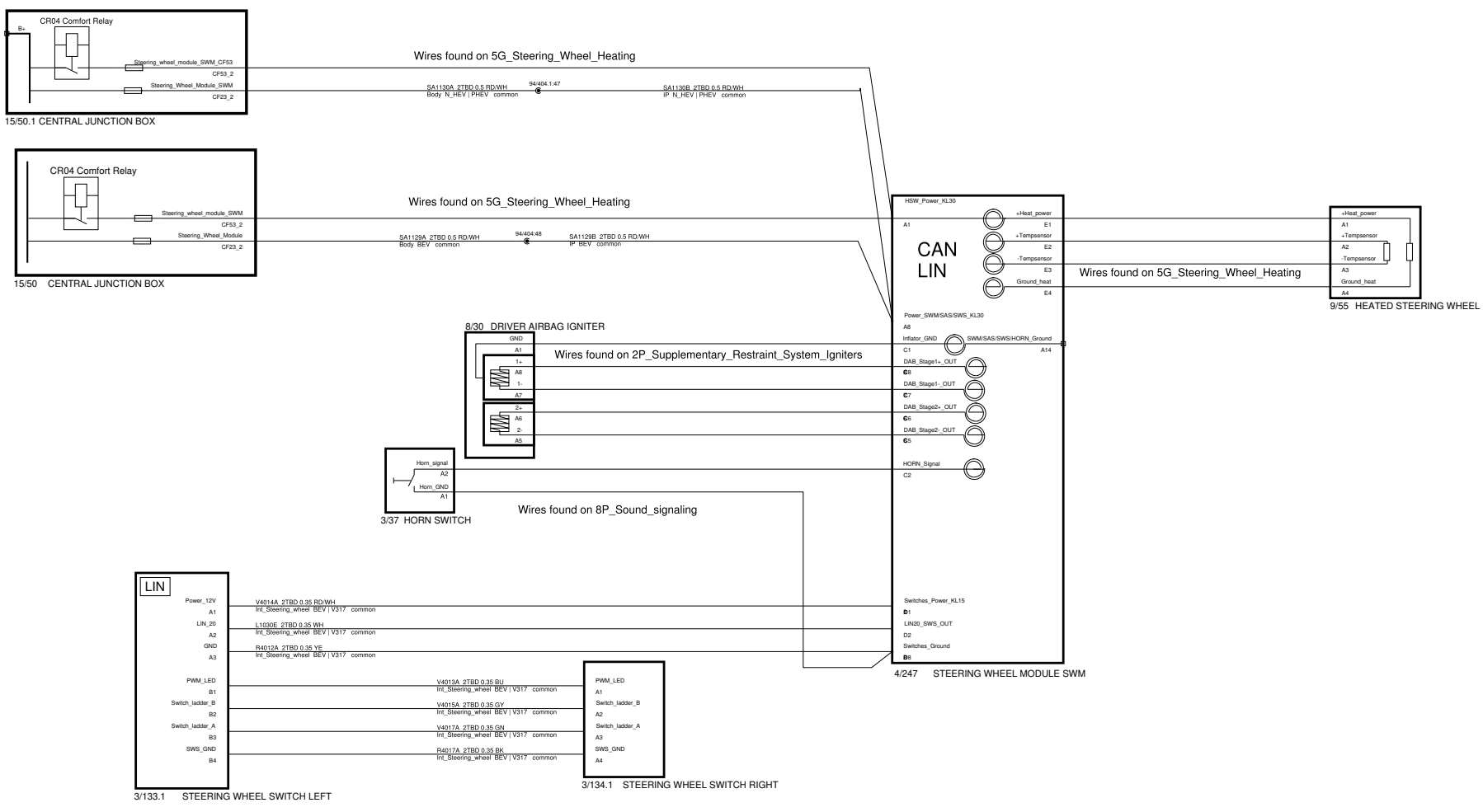
4/17 BRAKE CONTROL MODULE 2 BCM2

# 2E Power Steering



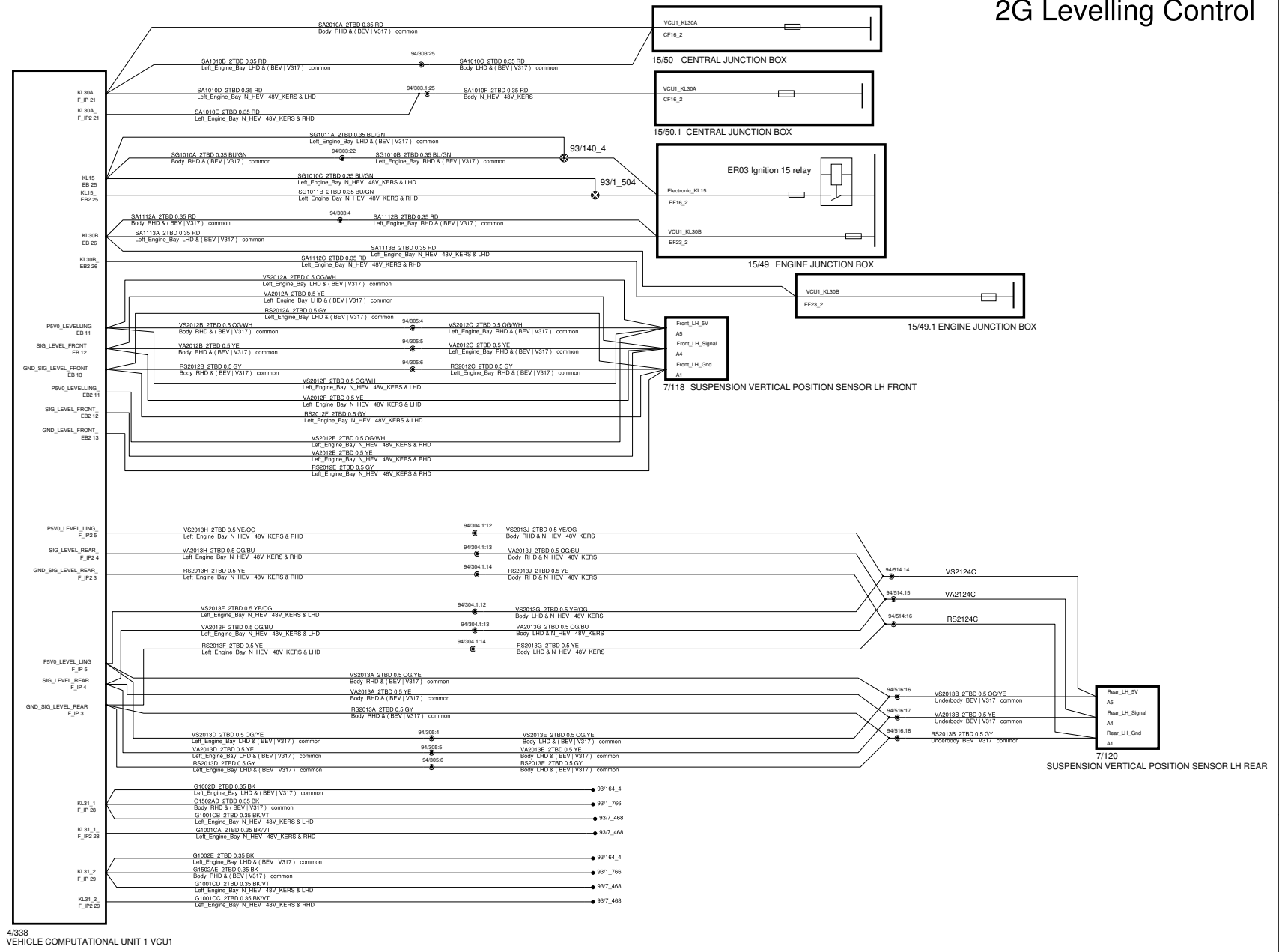
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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>Volvo Document No 33445458</p>	<p><b>Edited</b> April/13/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 68/146</p>

# 2E2 Steering



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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED	
	Volvo Document No 33445458		<b>Edited</b> June/16/2021
	<b>Issue</b> 035	<b>Page No</b> 67/146	

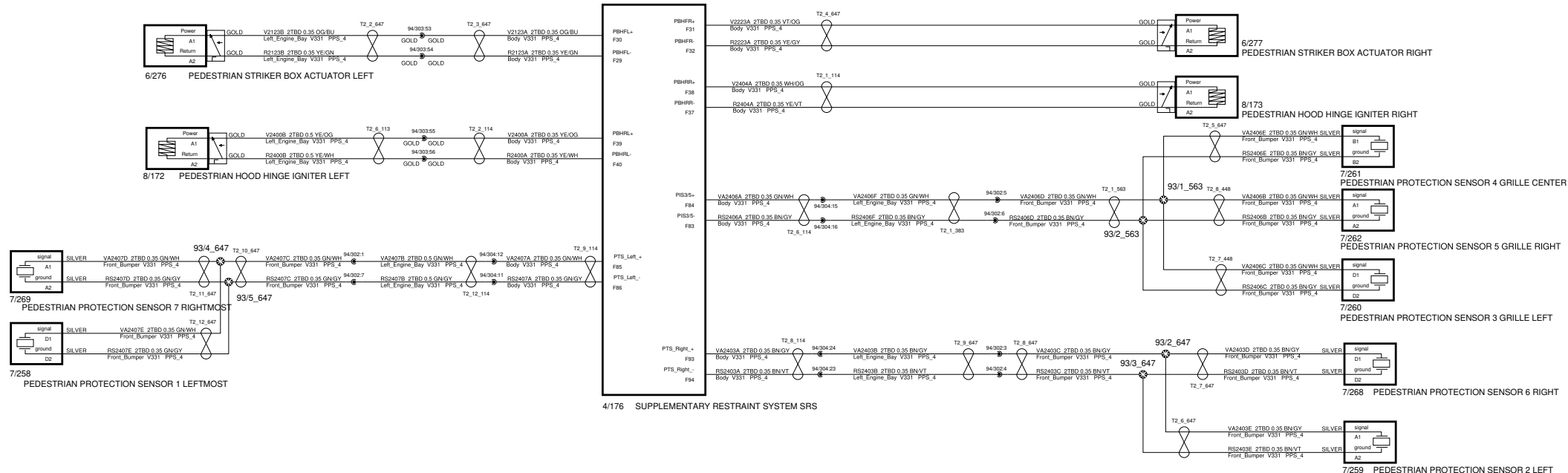
# 2G Levelling Control



4/338  
VEHICLE COMPUTATIONAL UNIT 1 VCU1

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	<p>Document Type DRAW/ELSY</p>	<p>Release Status RELEASED</p>	
	<p>Volvo Document No 33445458</p>		<p>Edited April/13/2023</p>
	<p>Issue 035</p>	<p>Page No 69/146</p>	

# 2M Pedestrian Protection

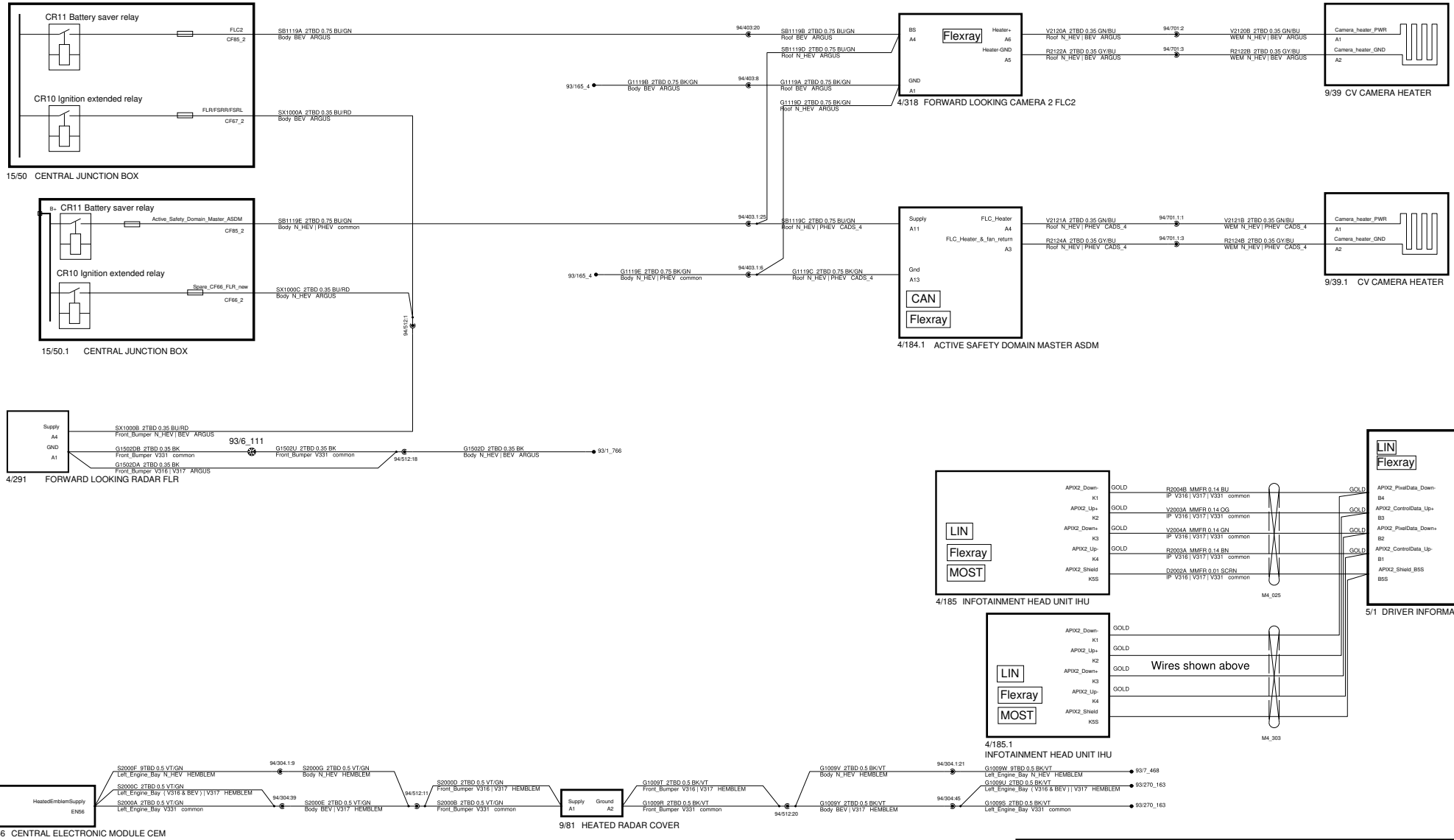


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	2M_Pedestrian_Protection	
	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	Volvo Document No 33445458	<b>Edited</b> March/21/2023
<b>Issue</b> 035	<b>Page No</b> 70/146	



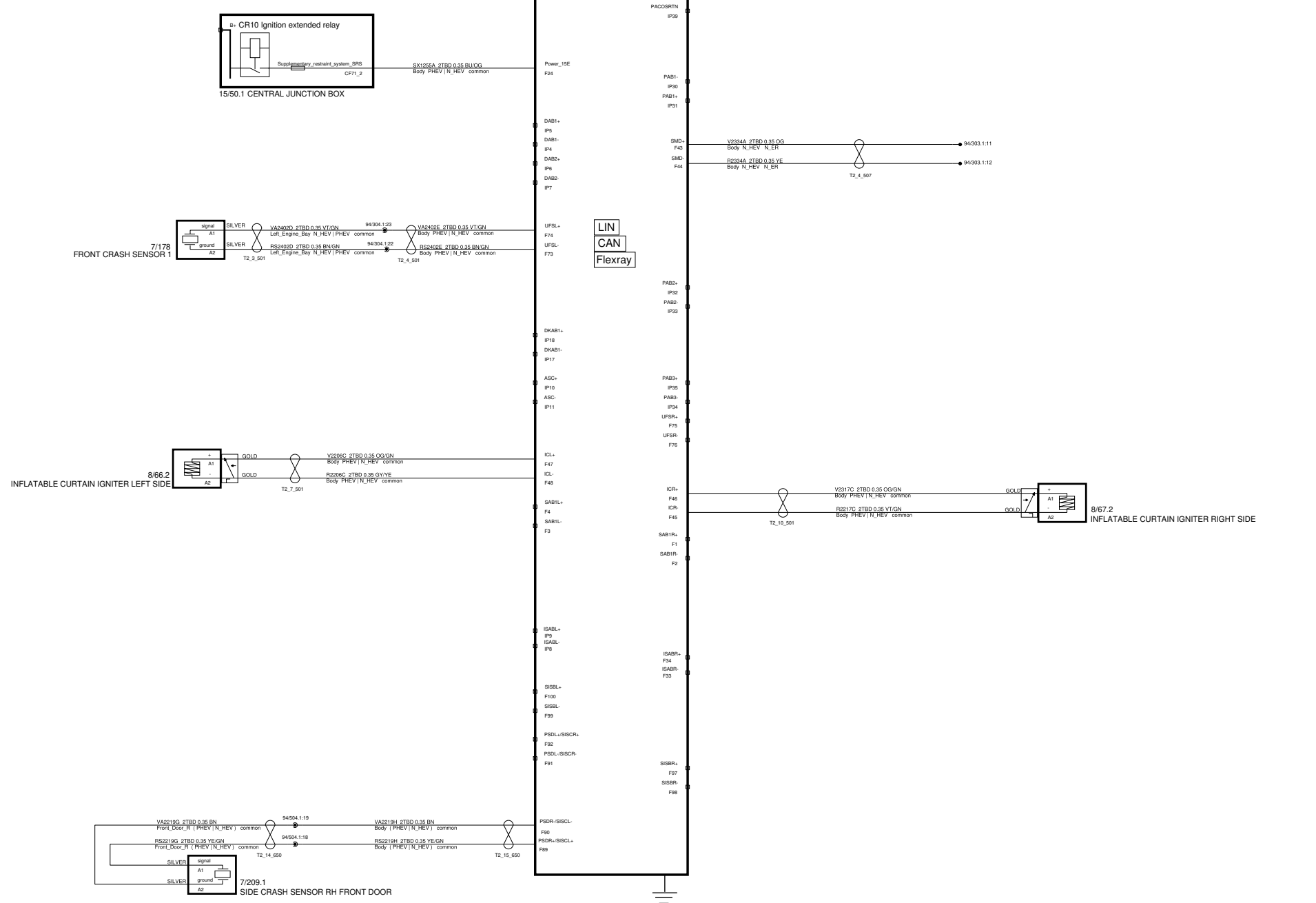


# 20 Collision Avoidance



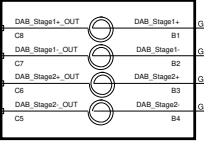
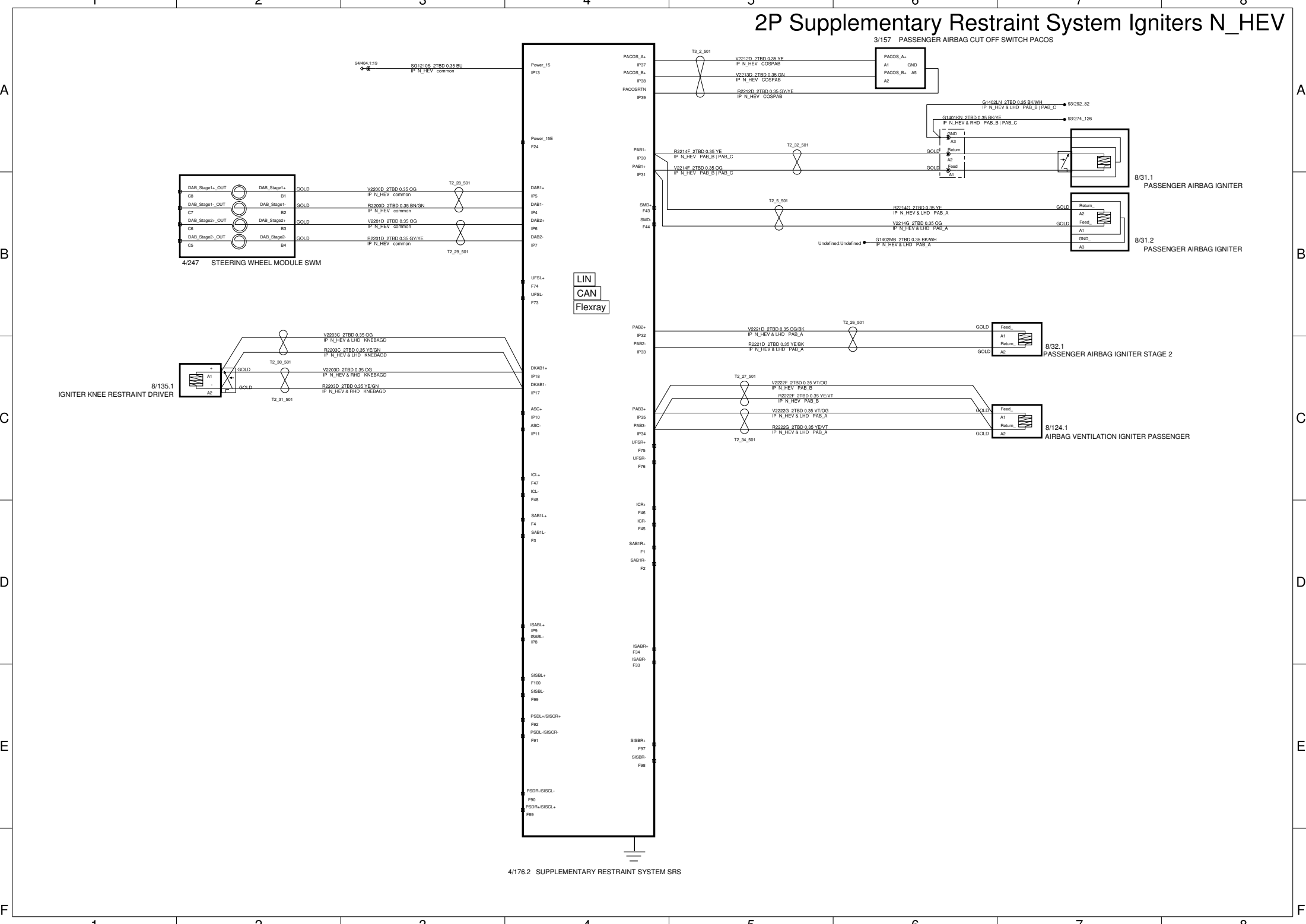
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	<p>Document Type: DRAW/ELSY</p>	<p>Release Status: RELEASED</p>
	<p>Volvo Document No: 33445458</p>	<p>Edited: April/13/2023</p>
	<p>Issue: 035</p>	<p>Page No: 72/146</p>

# 2P Supplementary Restraint System Igniters HEV PHEV

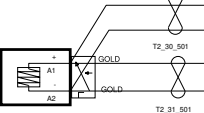


4/176 SUPPLEMENTARY RESTRAINT SYSTEM SRS

# 2P Supplementary Restraint System Igniters N\_HEV



4/247 STEERING WHEEL MODULE SWM



8/135.1 IGNITER KNEE RESTRAINT DRIVER

LIN  
CAN  
Flexray

4/176.2 SUPPLEMENTARY RESTRAINT SYSTEM SRS

3/157 PASSENGER AIRBAG CUT OFF SWITCH PACOS

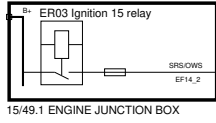
8/31.1 PASSENGER AIRBAG IGNITER

8/31.2 PASSENGER AIRBAG IGNITER

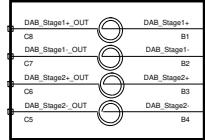
8/32.1 PASSENGER AIRBAG IGNITER STAGE 2

8/124.1 AIRBAG VENTILATION IGNITER PASSENGER

# 2P Supplementary Restraint System Igniters PHEV



15/49.1 ENGINE JUNCTION BOX

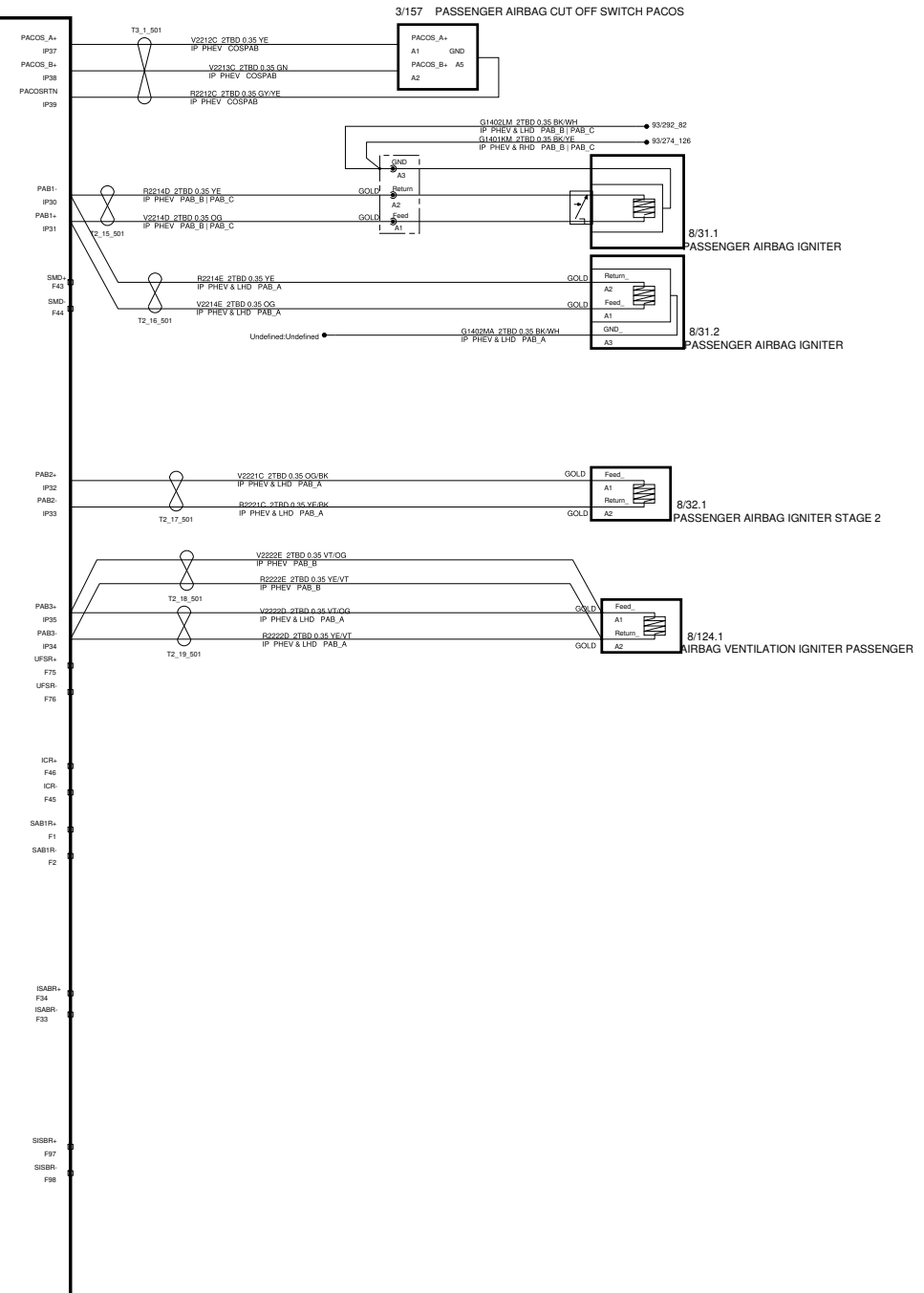
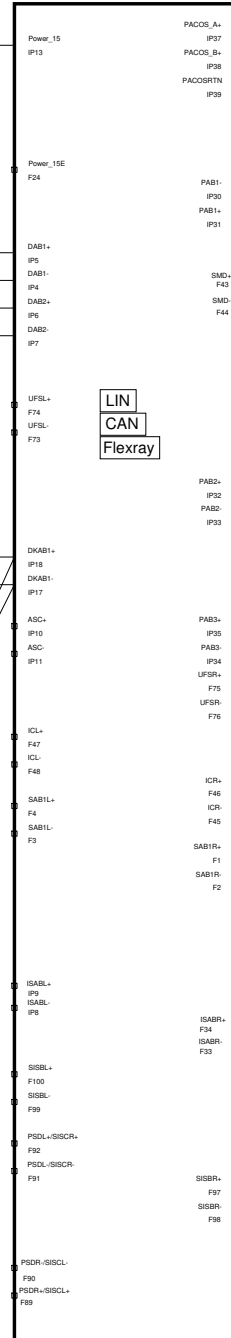


4/247 STEERING WHEEL MODULE SWM

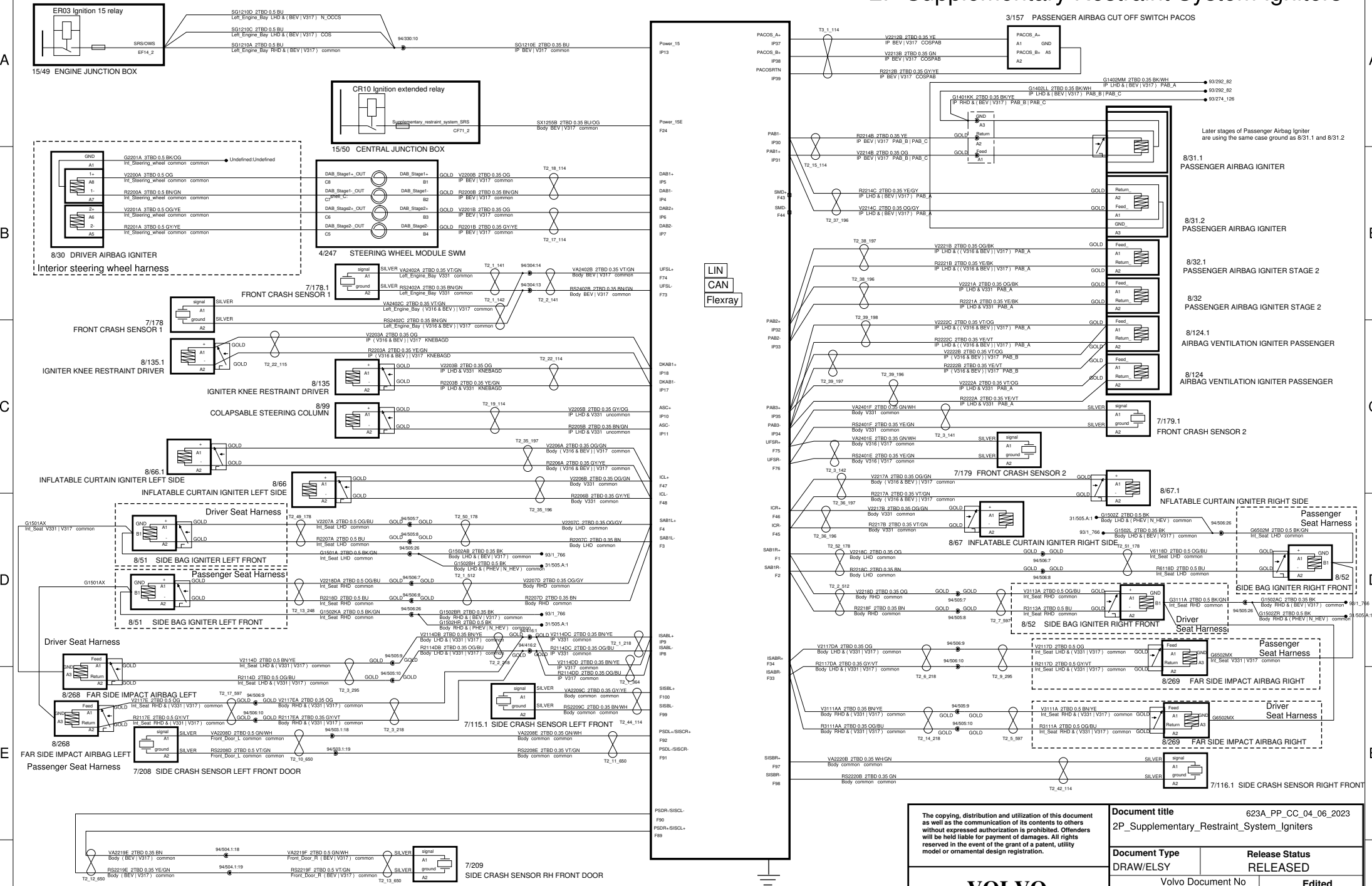


8/135.1 IGNITER KNEE RESTRAINT DRIVER

4/176.1 SUPPLEMENTARY RESTRAINT SYSTEM SRS



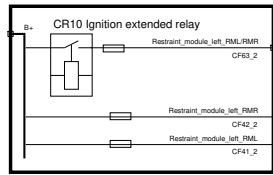
# 2P Supplementary Restraint System Igniters



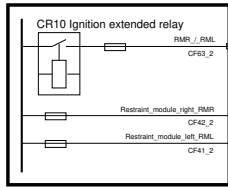
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<p>Document Type DRAW/ELSY</p>	<p>Release Status RELEASED</p>	<p>Volvo Document No 33445458</p>	<p>Edited April/13/2023</p>
<p>Issue 035</p>	<p>Page No 73/146</p>		



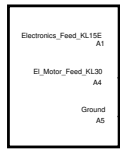
# 2S Restraint



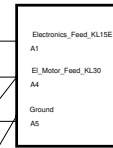
15/50.1 CENTRAL JUNCTION BOX



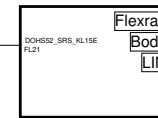
15/50 CENTRAL JUNCTION BOX



4/211 RESTRAINT MODULE LEFT RML



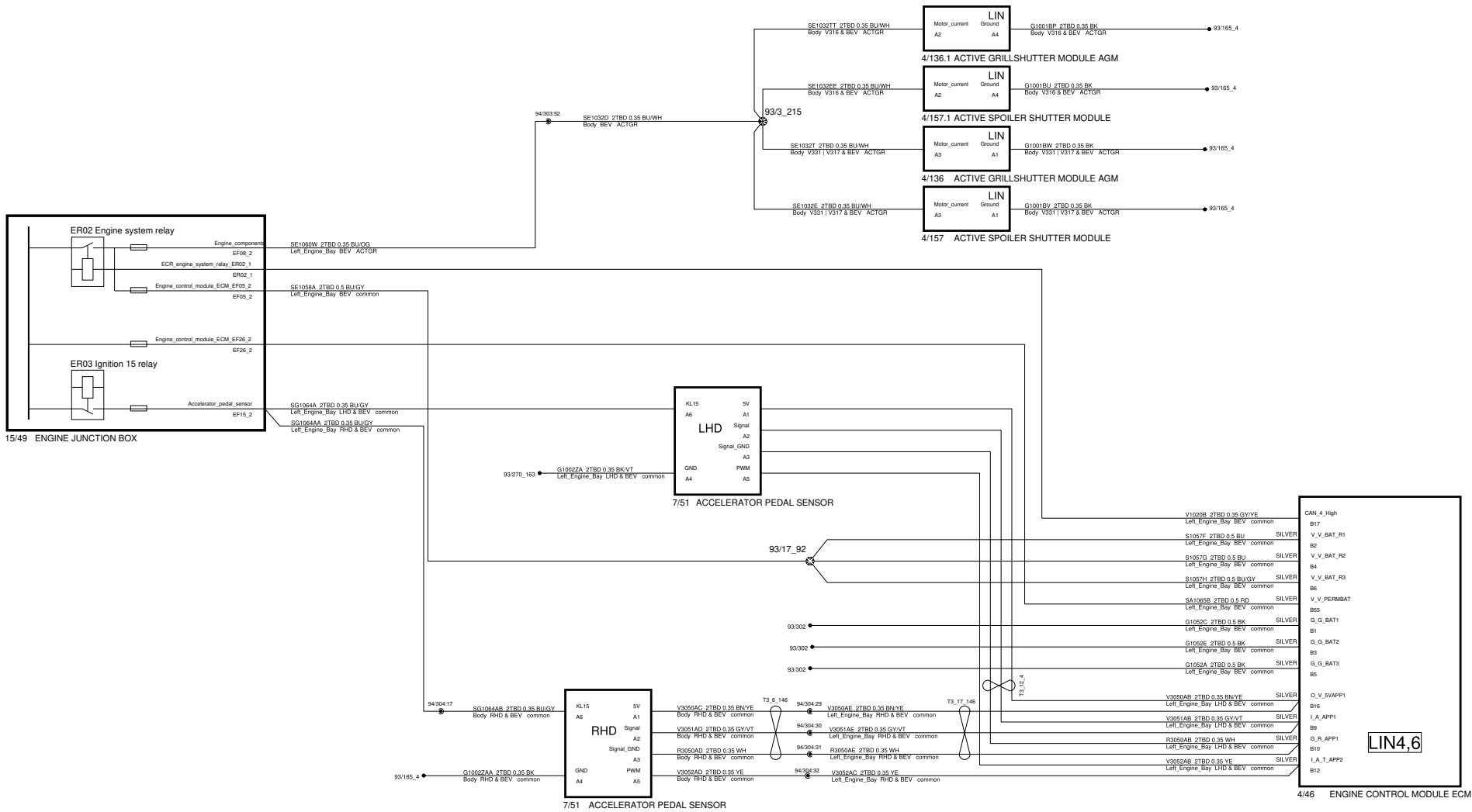
4/212 RESTRAINT MODULE RIGHT RMR



4/56 CENTRAL ELECTRONIC MODULE CEM

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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>Volvo Document No 33445458</p>	<p><b>Edited</b> March/21/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 78/146</p>

# 3A, 3C Engine Management

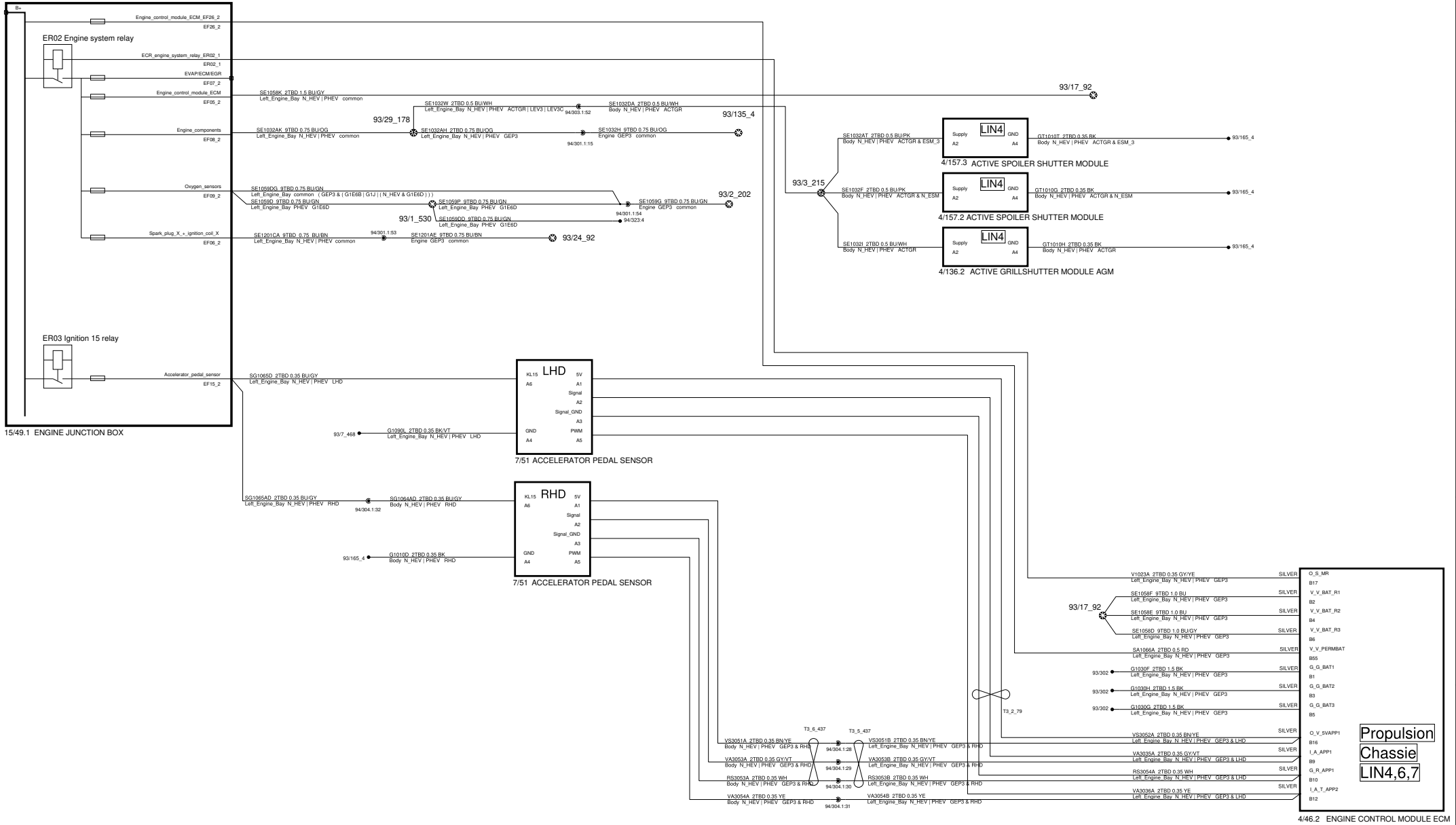


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		<p>3A_3C_Engine_management</p>	
<p>Document Type DRAW/ELSY</p>		<p>Release Status RELEASED</p>	
<p>Volvo Document No 33445458</p>		<p>Edited April/13/2023</p>	
<p>Issue 035</p>		<p>Page No 79/146</p>	

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# 3A, 3D Engine Management (HEV)

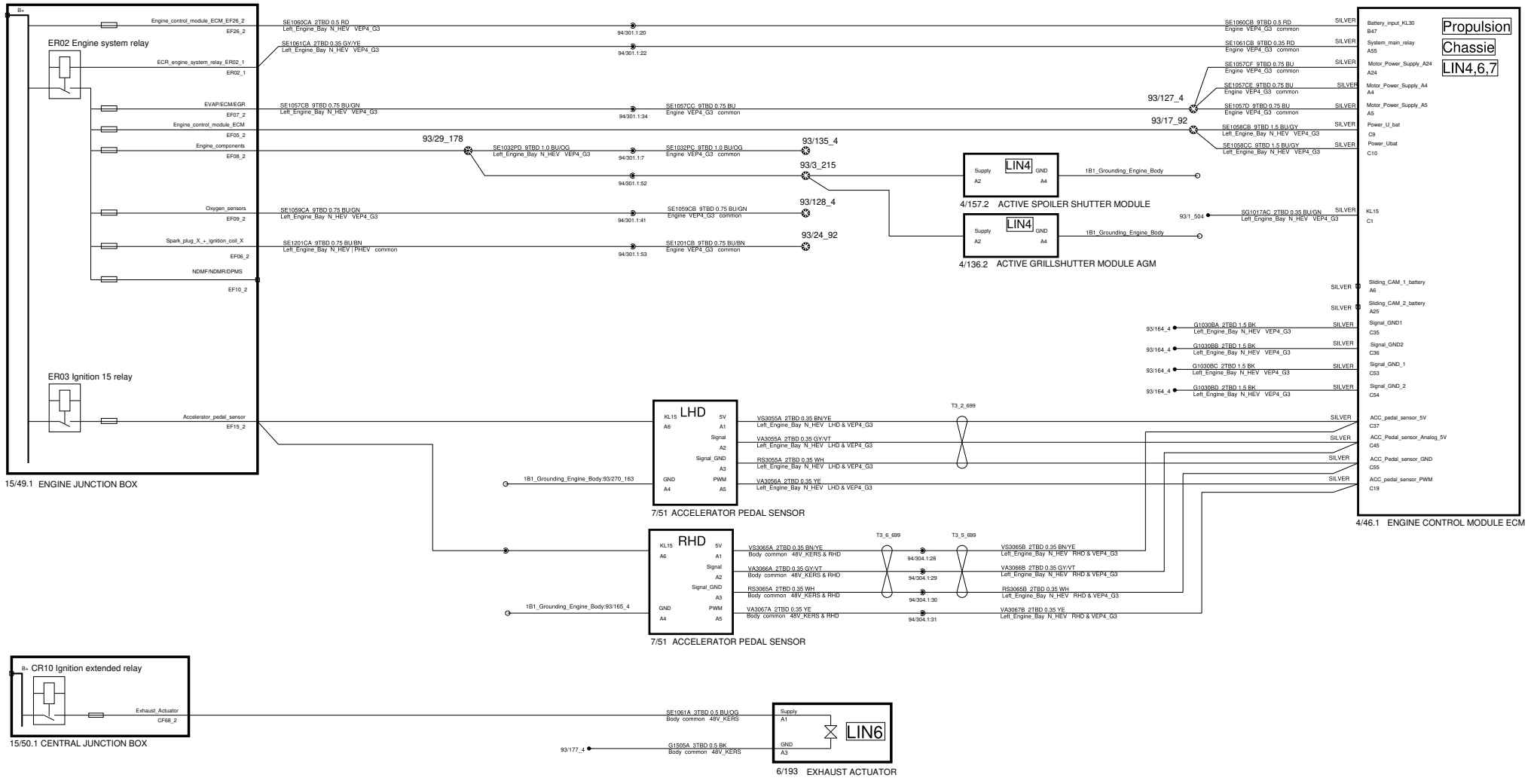


Wire ID	Wire Description	Material	Destination
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SE1058F	9TBD 1.0 BU	SILVER	V_V_BAT_R1 B2
SE1058E	9TBD 1.0 BU	SILVER	V_V_BAT_R2 B4
SE1058D	9TBD 1.0 BLUGY	SILVER	V_V_BAT_R3 B6
SA1068A	2TBD 0.5 RD	SILVER	V_V_FERNBAT B55
G1030F	2TBD 1.5 BK	SILVER	G_G_BAT1 B1
G1030H	2TBD 1.5 BK	SILVER	G_G_BAT2 B3
G1030G	2TBD 1.5 BK	SILVER	G_G_BAT3 B5
V53052A	2TBD 0.35 BNLYE	SILVER	Q_V_SVAPP1 B16
V53051B	2TBD 0.35 BNLYE	SILVER	I.A_APP1 B9
VA3035A	2TBD 0.35 GVYVT	SILVER	G_R_APP1 B10
RS3054A	2TBD 0.35 WH	SILVER	I.A_APP2 B12
VA3036A	2TBD 0.35 YE	SILVER	

**Propulsion Chassis**  
LIN4,6,7

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		<p>Document Type DRAW/ELSY</p>	<p>Release Status RELEASED</p>
<p><b>VOLVO</b> VOLVO CAR CORPORATION</p>		<p>CEVT Document No 8888522365</p>	<p>Edited April/13/2023</p>
		<p>Issue 035</p>	<p>Page No 80/146</p>

# 3A, 3D Engine Management VEP4 GEN3 (HEV)



<b>VOLVO</b> VOLVO CAR CORPORATION	<b>Document title</b> 623A_PP_CC_04_06_2023 3A_3D_Engine_Management_VEP4_GEN3_(HEV)	
	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	CEVT Document No 8888522365	Edited April/13/2023
	Issue 035	Page No 81/146

A

B

C

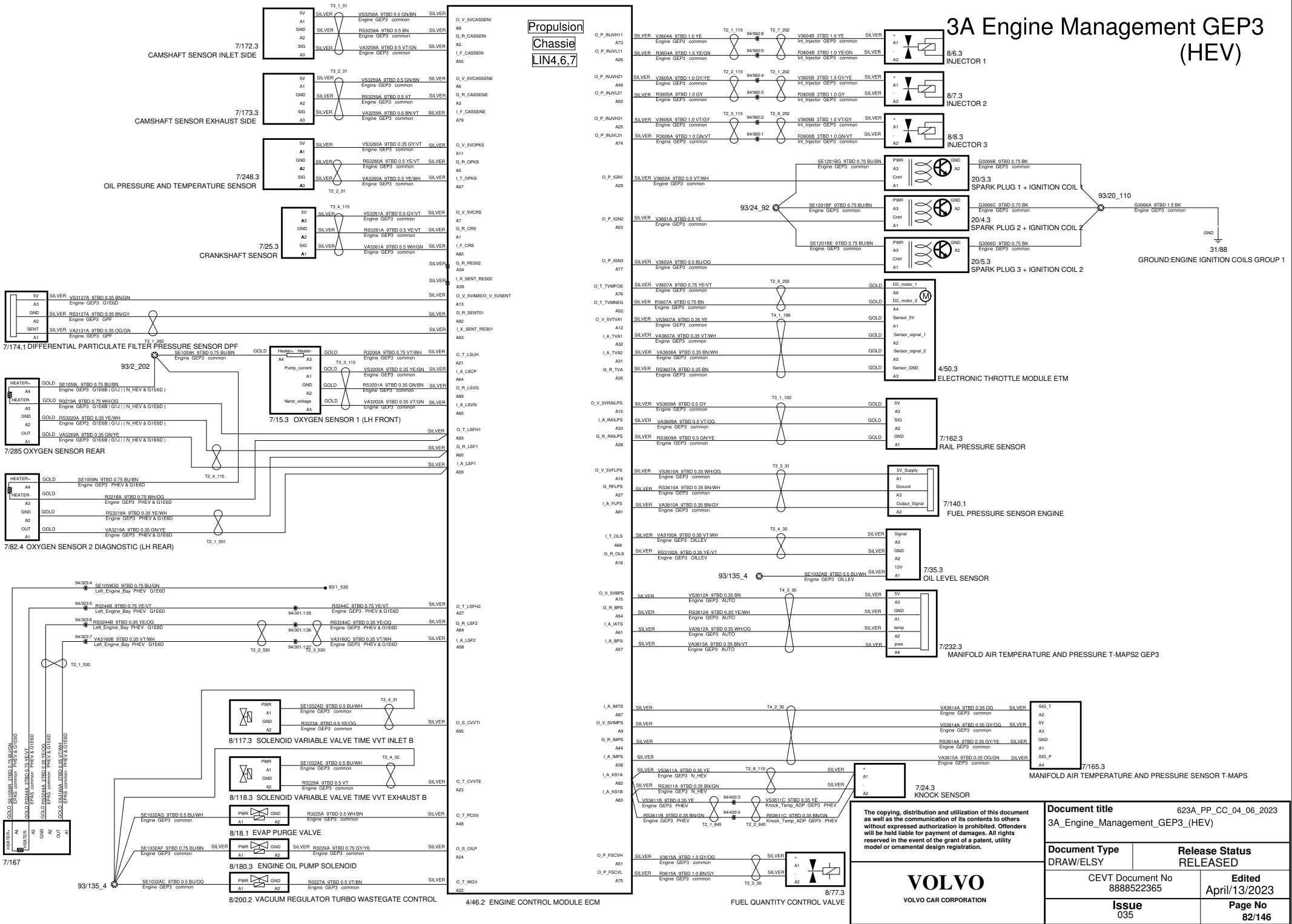
D

E

F

# 3A Engine Management GEP3 (HEV)

Propulsion  
Chassis  
LIN4,6,7

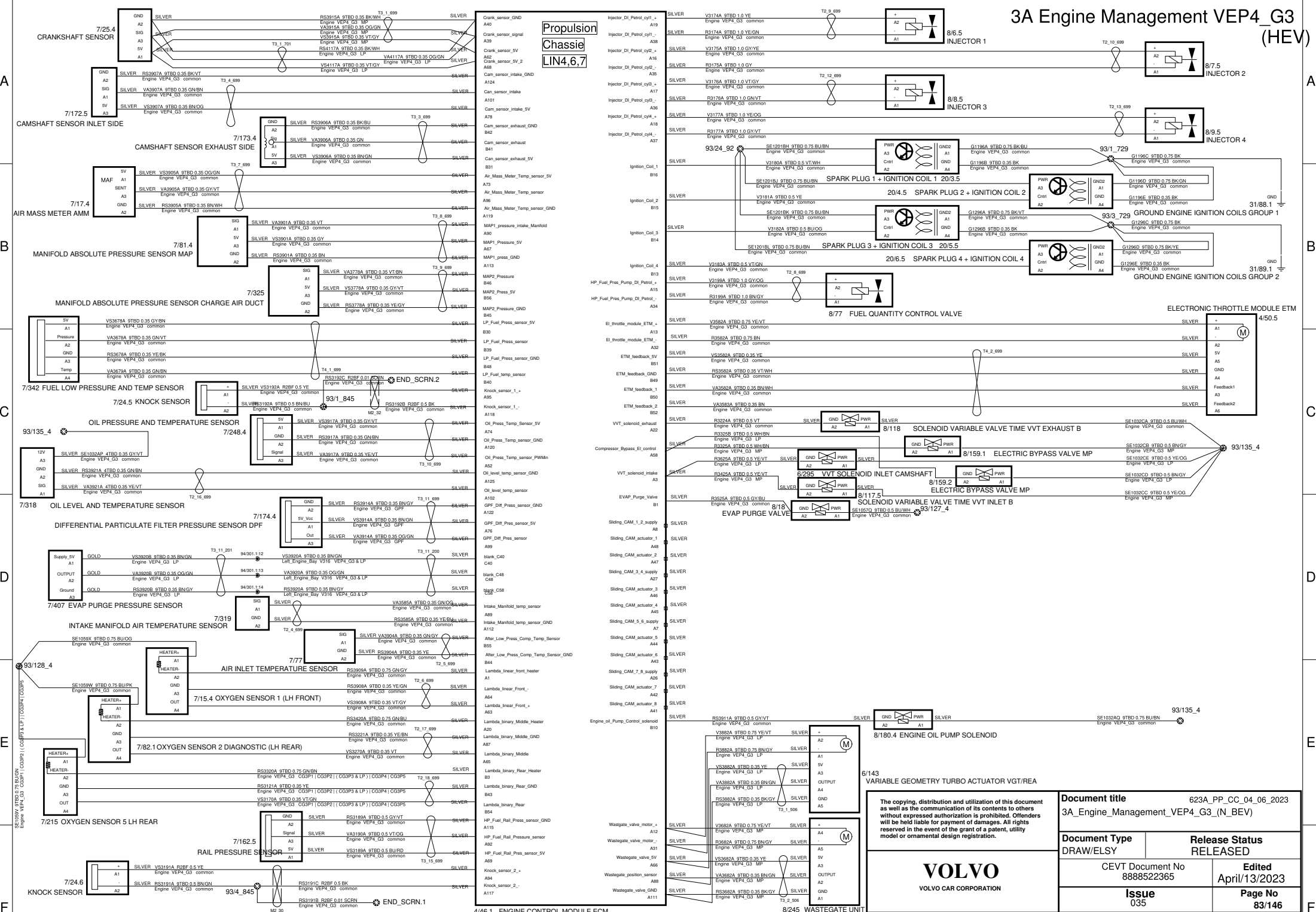


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Document Type DRAW/ELSY	Release Status RELEASED		
Issue 035	CEVT Document No 8888522365	Edited April/13/2023	Page No 82/146

# 3A Engine Management VEP4\_G3 (HEV)

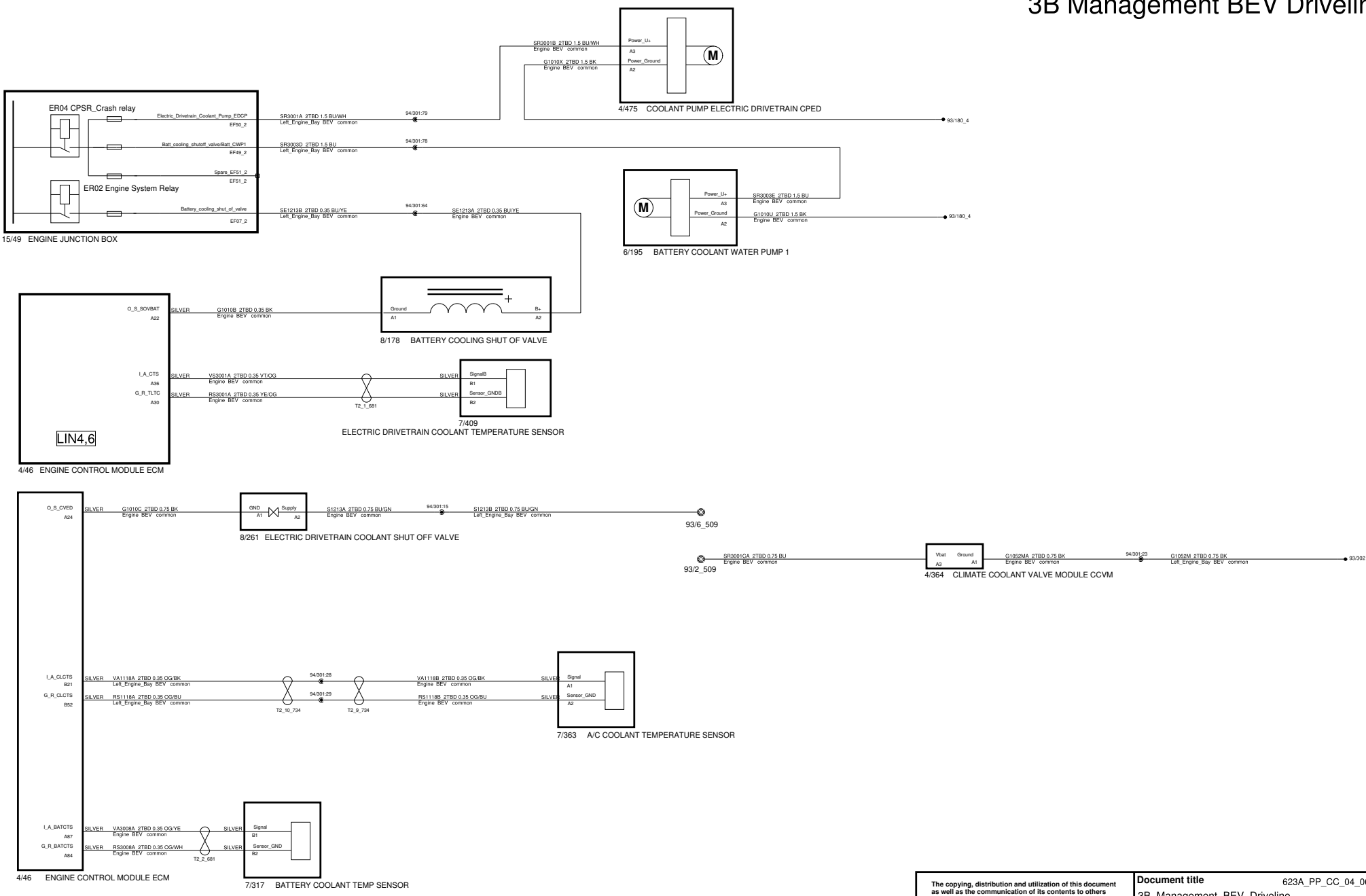


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<p>Document Type DRAW/ELSY</p>	<p>Release Status RELEASED</p>	
<p>Issue 035</p>	<p>CEVT Document No 8888522365</p>	<p>Edited April/13/2023</p>
<p>Page No 83/146</p>	<p>Page No 83/146</p>	



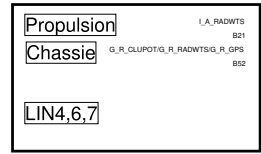
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# 3B Management BEV Driveline

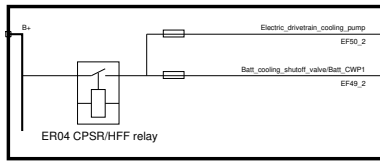


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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>Volvo Document No 33445458</p>	<p><b>Edited</b> April/13/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 84/146</p>

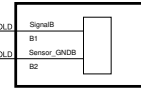
# 3B Management Hybrid Driveline (PHEV)



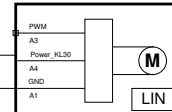
4/46.2 ENGINE CONTROL MODULE ECM



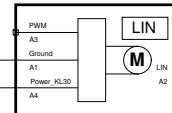
15/49.1 ENGINE JUNCTION BOX



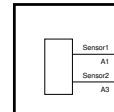
7/277 LT-COOLANT TEMP SENSOR



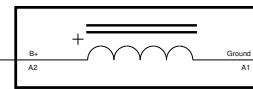
4/178 ELECTRIC DRIVETRAIN COOLANT PUMP EDCP



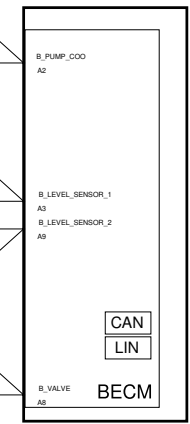
6/195.1 BATTERY COOLANT WATER PUMP 1



7/303 EXPANSION TANK LEVEL SENSOR HYBRID



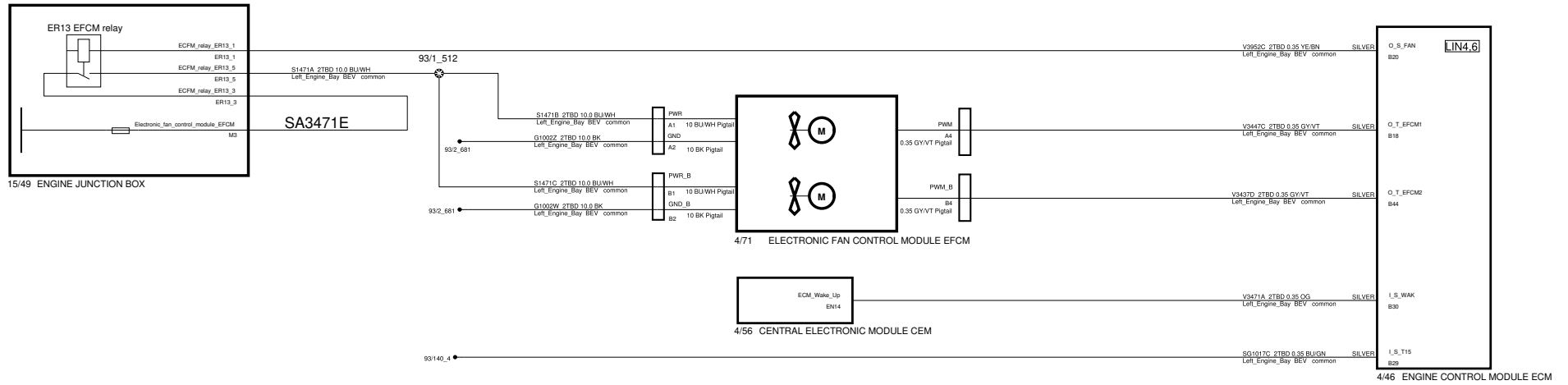
8/178 BATTERY COOLING SHUT OF VALVE



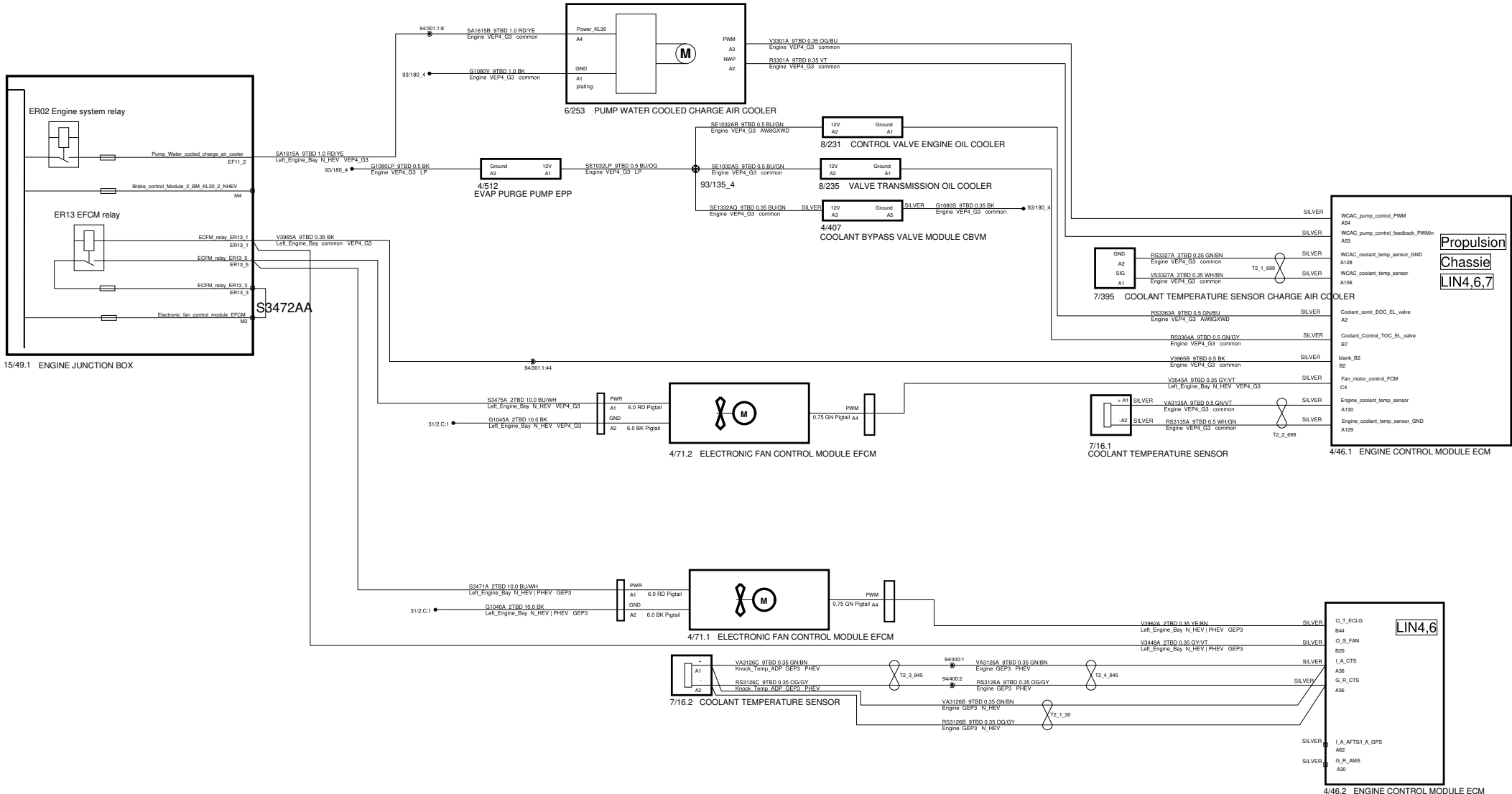
1/4.1 HIGH VOLTAGE BATTERY

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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> April/13/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 85/146</p>

# 3D Engine Thermal Management



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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	Volvo Document No 33445458	<b>Edited</b> April/13/2023
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Propulsion  
Chassis  
LIN4,6,7

LIN4,6

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Document title 623A\_PP\_CC\_04\_06\_2023  
3D\_Engine\_thermal\_management\_HEV

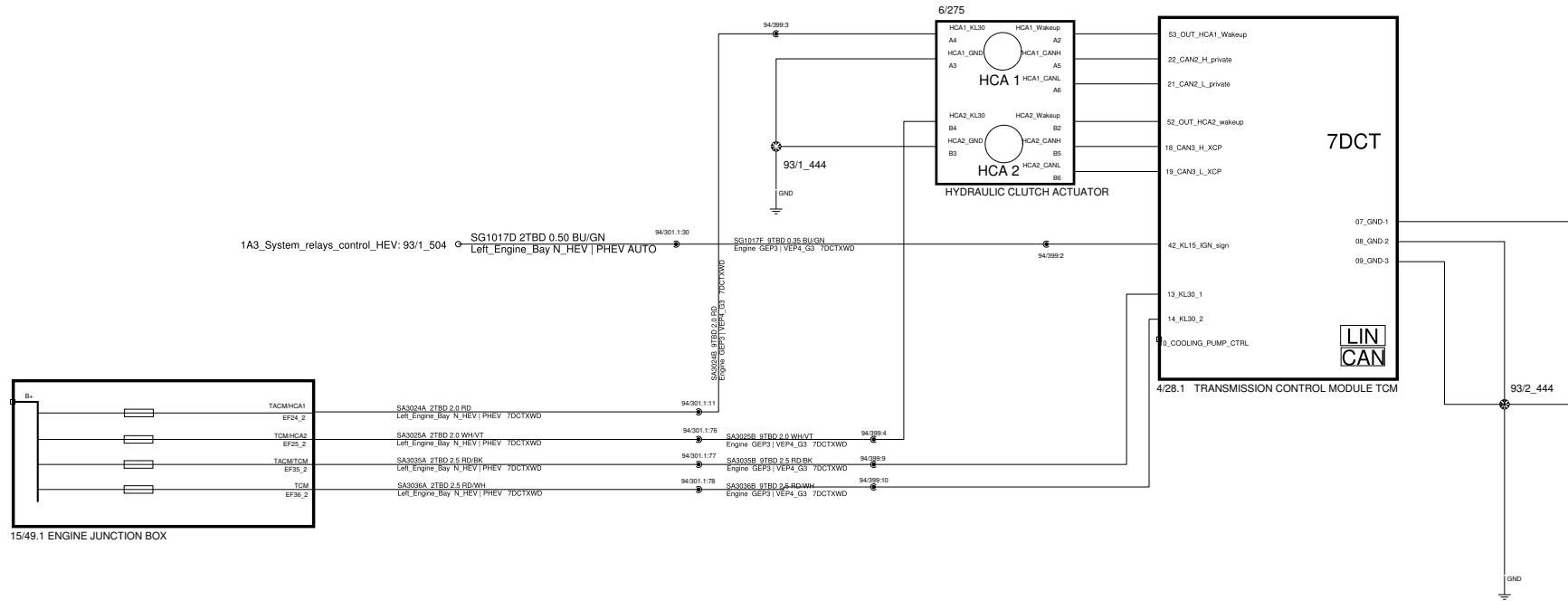
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CEVT Document No 8888522365 Edited April/13/2023

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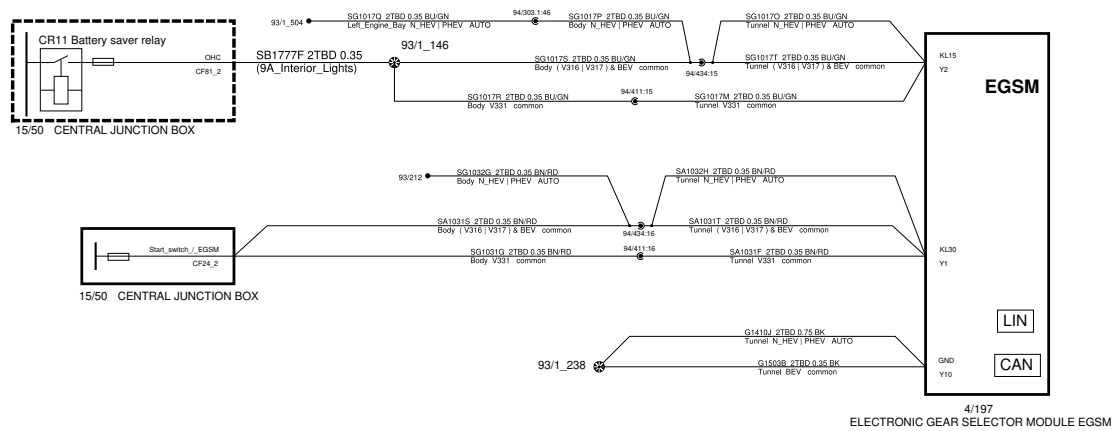
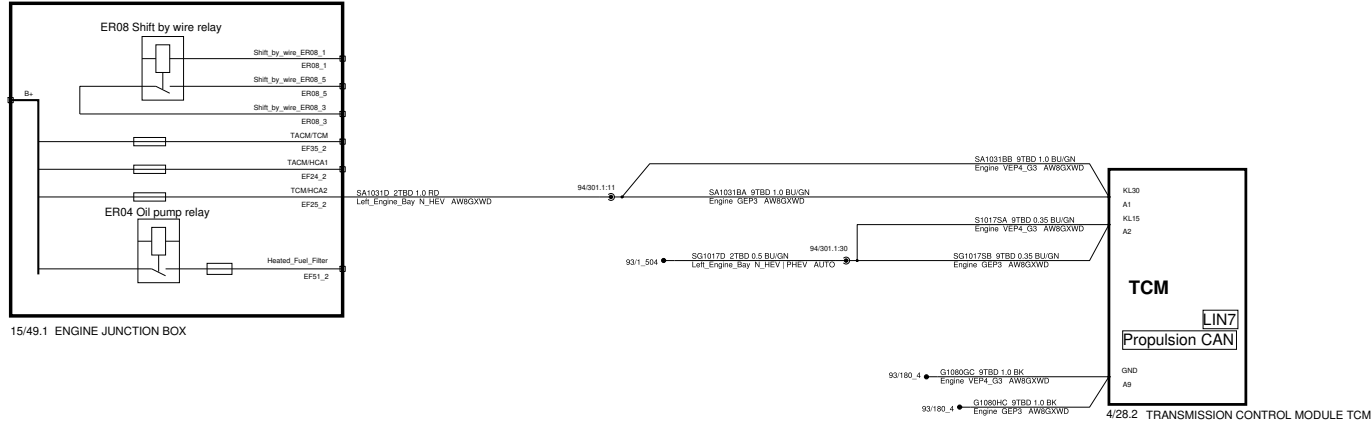


# 3E Automatic Gear Shifting 7DCT



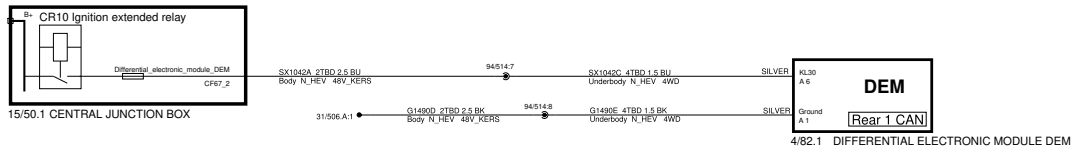
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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
	<p>CEVT Document No 8888522365</p>	<p><b>Edited</b> April/13/2023</p>
	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 89/146</p>

# 3E Automatic Gear Shifting



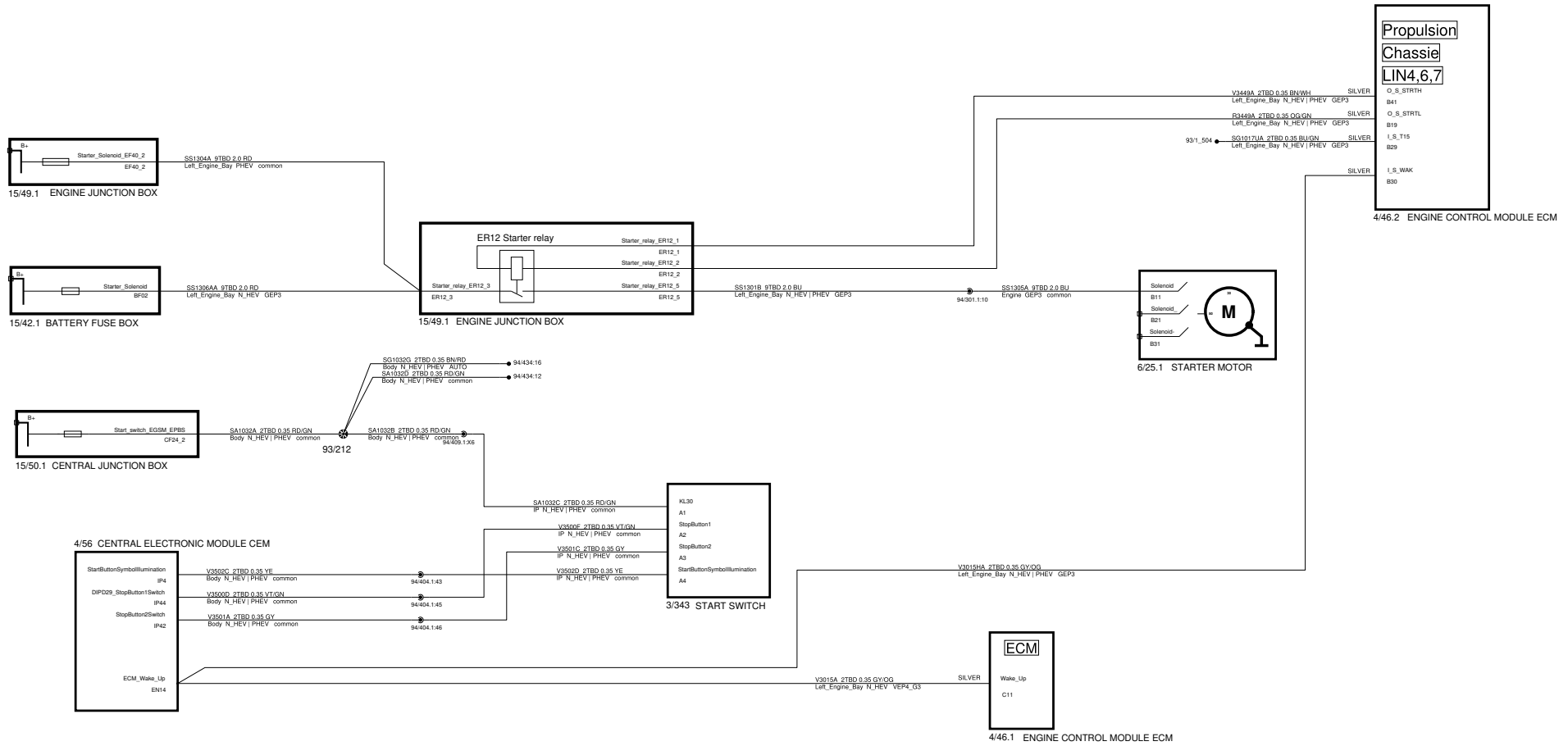
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		<p>Document Type DRAW/ELSY</p>	<p>Release Status RELEASED</p>
<p><b>VOLVO</b> VOLVO CAR CORPORATION</p>		<p>Volvo Document No 33445458</p>	<p>Edited April/13/2023</p>
		<p>Issue 035</p>	<p>Page No 88/146</p>

# 3G 4WD Transmission

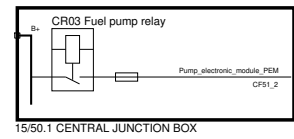
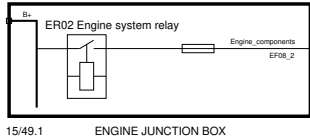
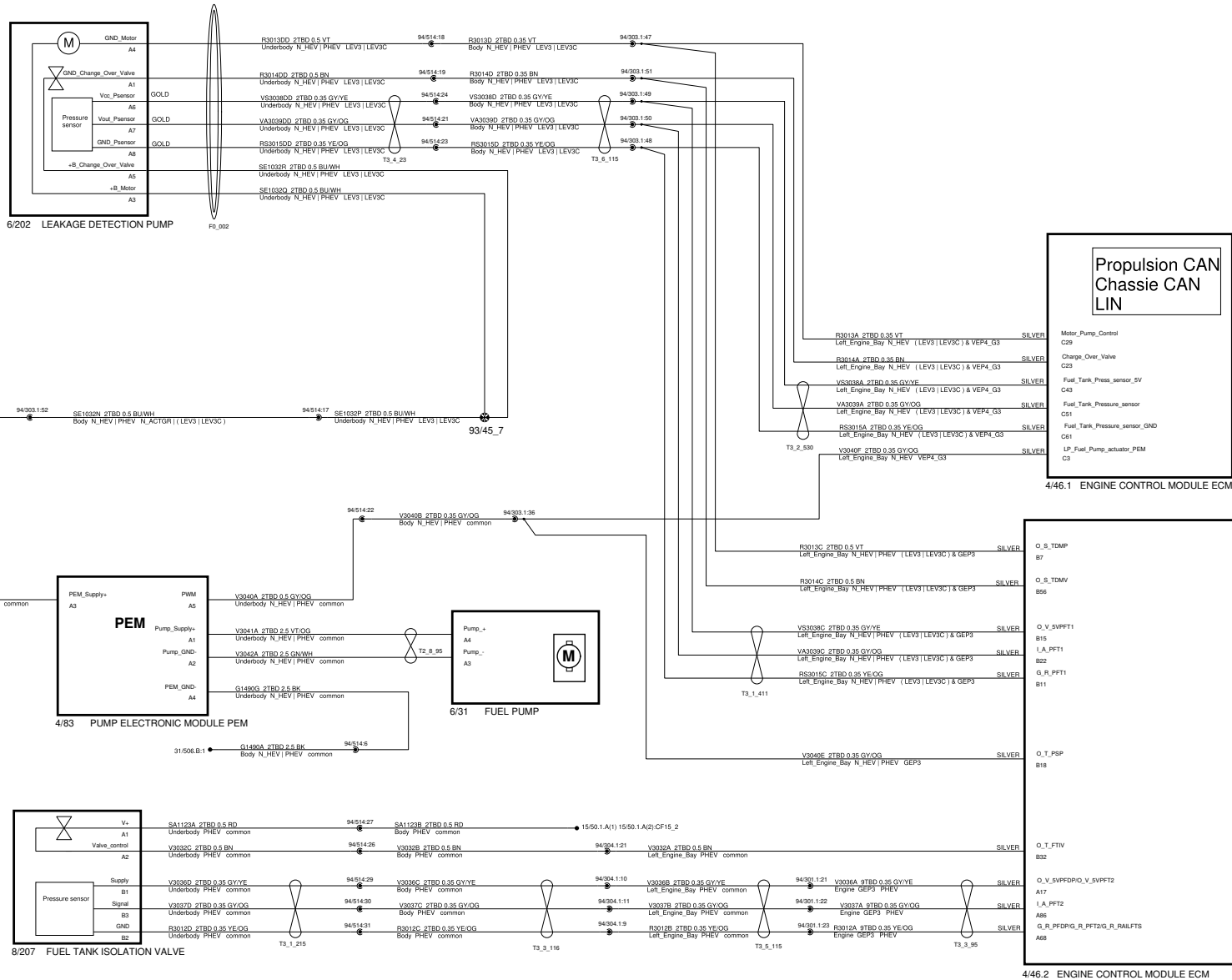


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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	CEVT Document No 8888522365	<b>Edited</b> April/13/2023
	<b>Issue</b> 035	<b>Page No</b> 90/146

# 3M Engine Cranking (HEV)



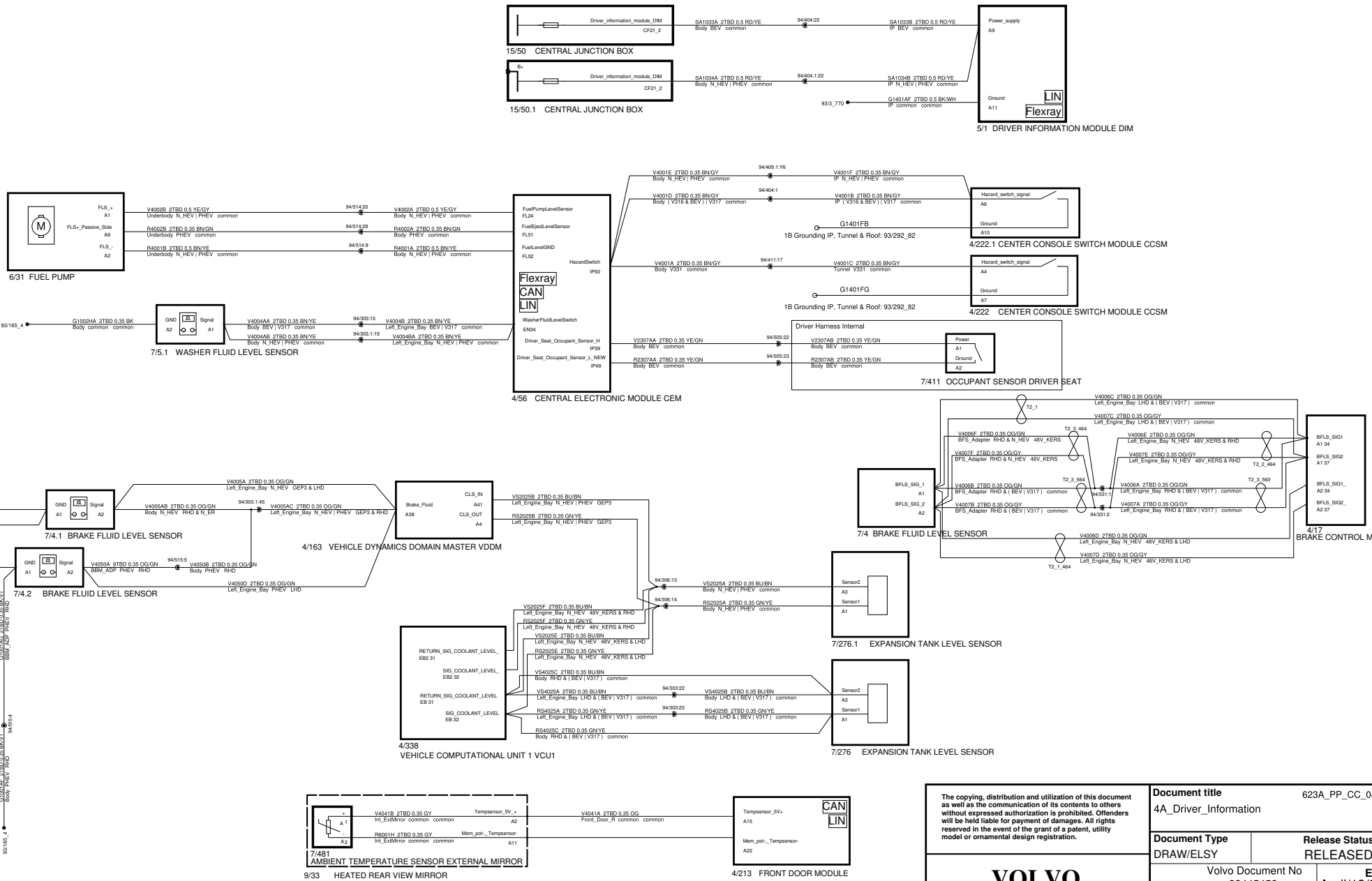
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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	CEVT Document No 8888522365	Edited April/13/2023
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		<p>3S_Fuel_Supply_Control</p>	
<p>Document Type DRAW/ELSY</p>		<p>Release Status RELEASED</p>	
<p>CEVT Document No 8888522365</p>		<p>Edited March/30/2023</p>	
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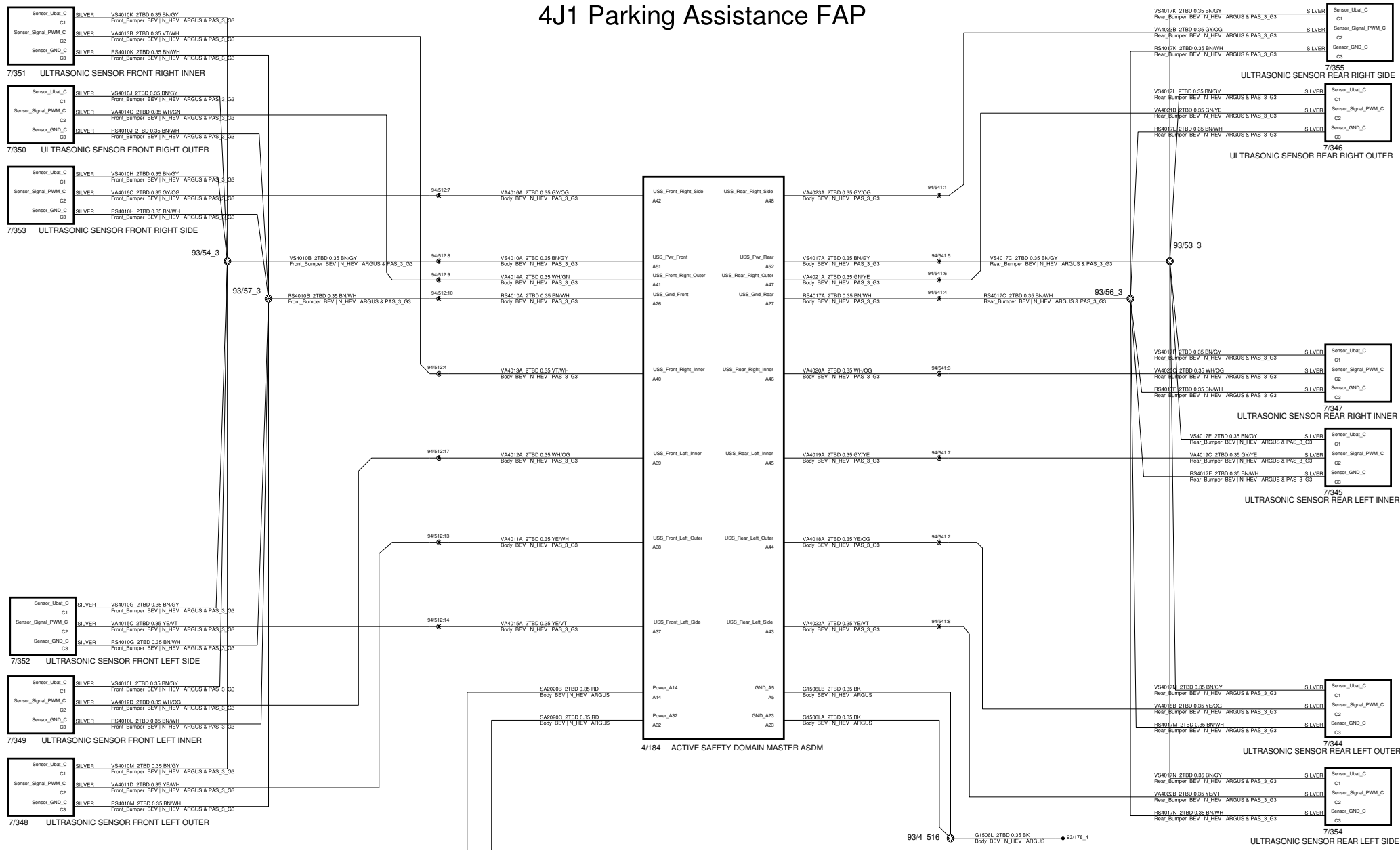
# 4A Driver information



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<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED		
Volvo Document No 33445458		<b>Edited</b> April/13/2023	
<b>Issue</b> 035		<b>Page No</b> 93/146	



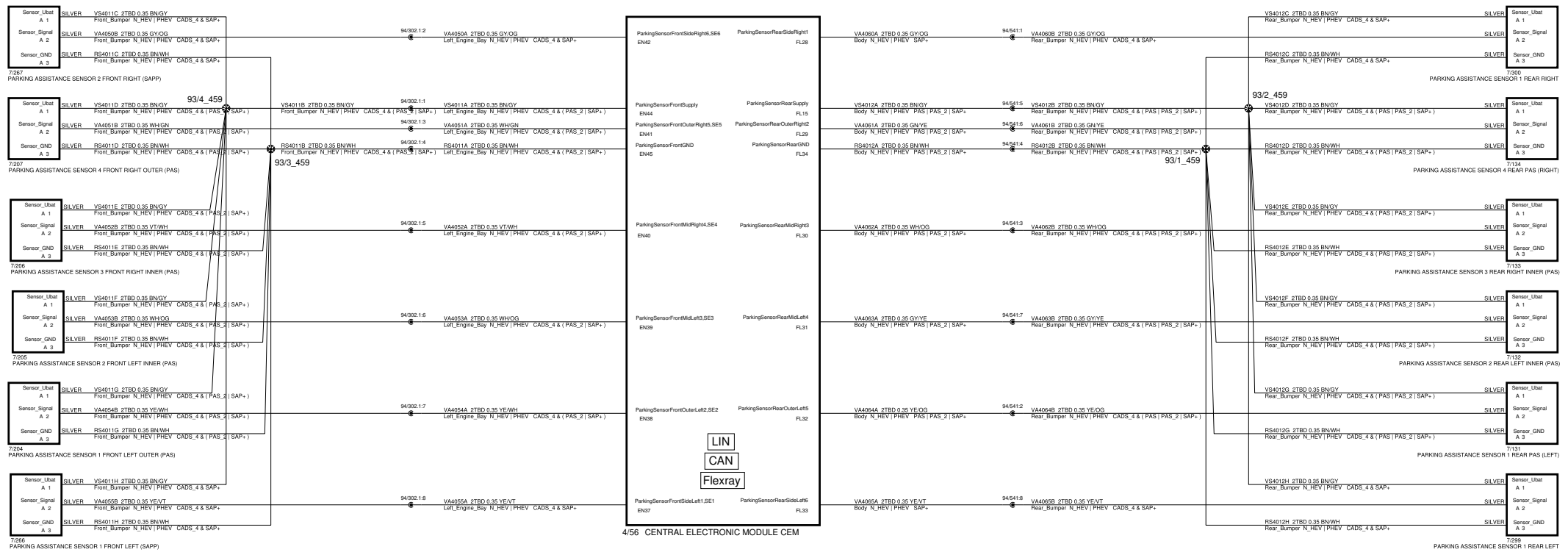
# 4J1 Parking Assistance FAP



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		4J1_Parking_Assistance_FAP		
Document Type		Release Status		
DRAW/ELSY		RELEASED		
Volvo Document No		Edited		
33445458		April/13/2023		
Issue		Page No		
035		94/146		

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# 4J1 Parking Assistance NBEV

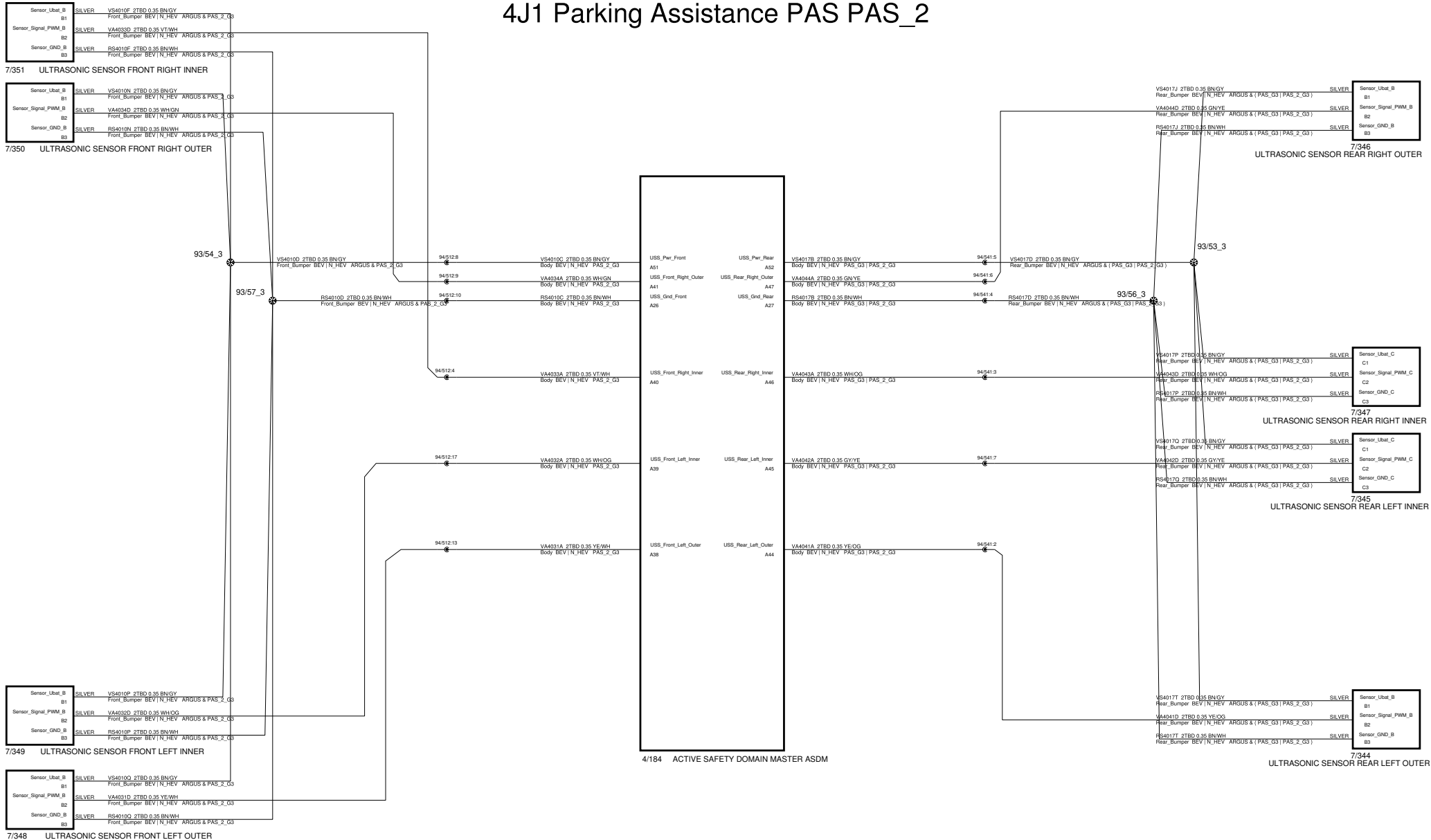


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<p>Document Type DRAW/ELSY</p>		<p>Release Status RELEASED</p>	
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<p>Issue 035</p>		<p>Page No 95/146</p>	

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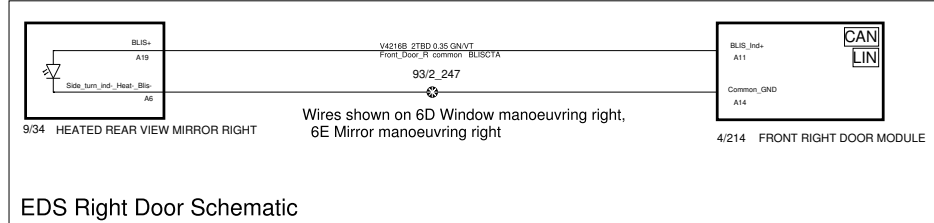
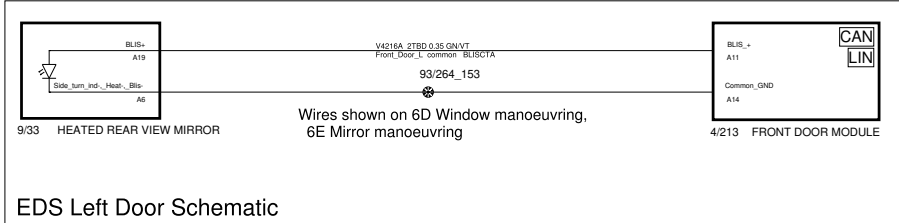
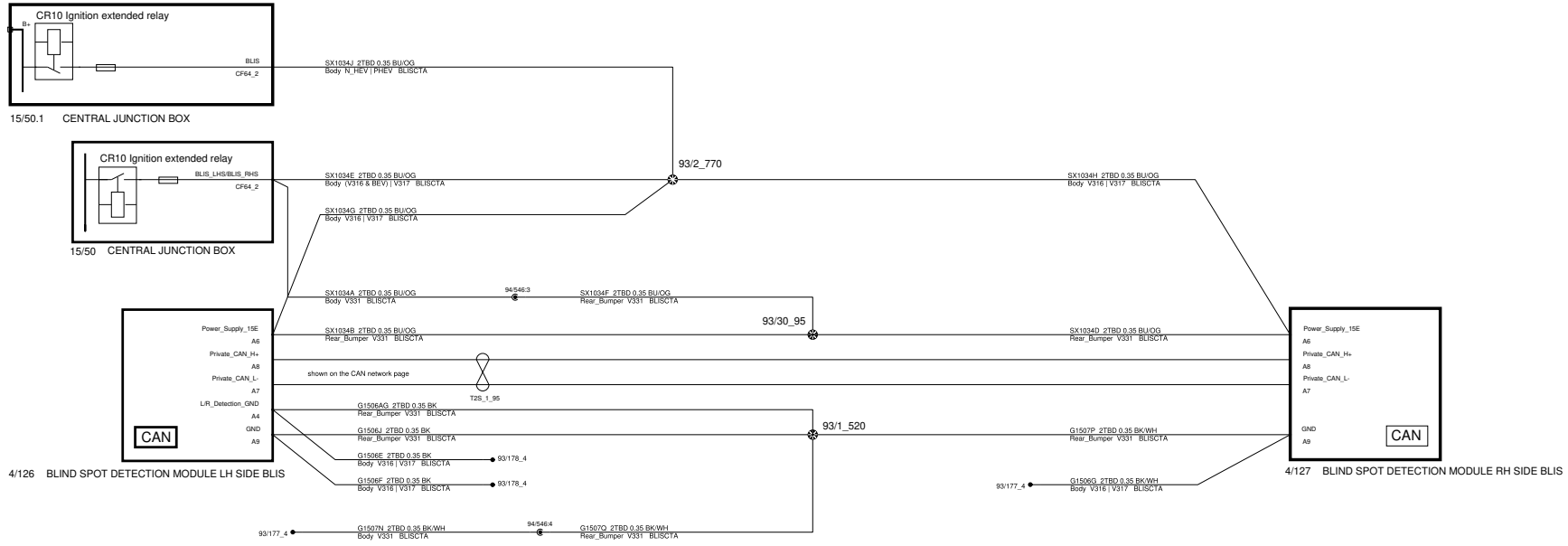


# 4J1 Parking Assistance PAS PAS\_2



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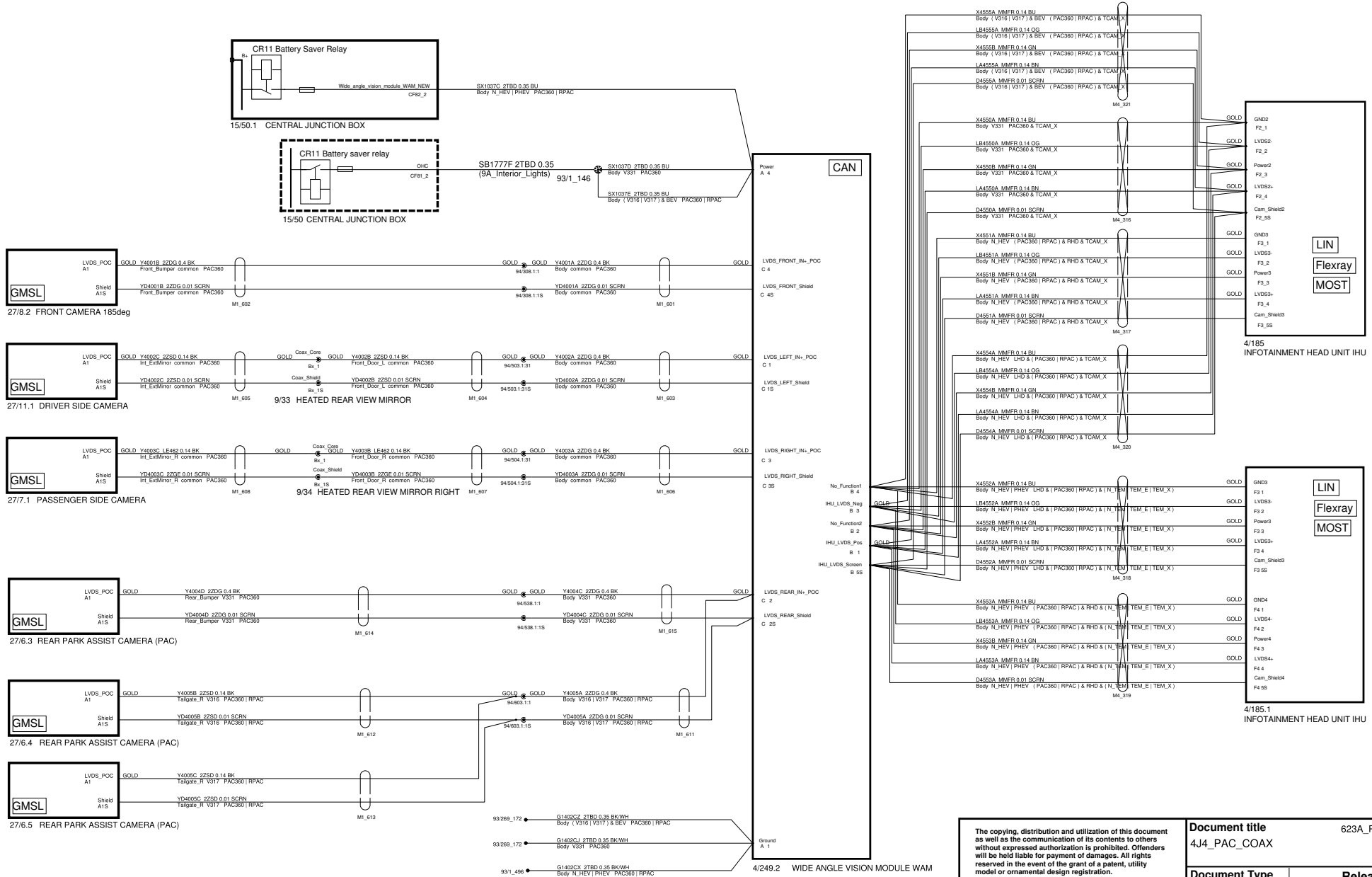
# 4J2B Lane Change Aid



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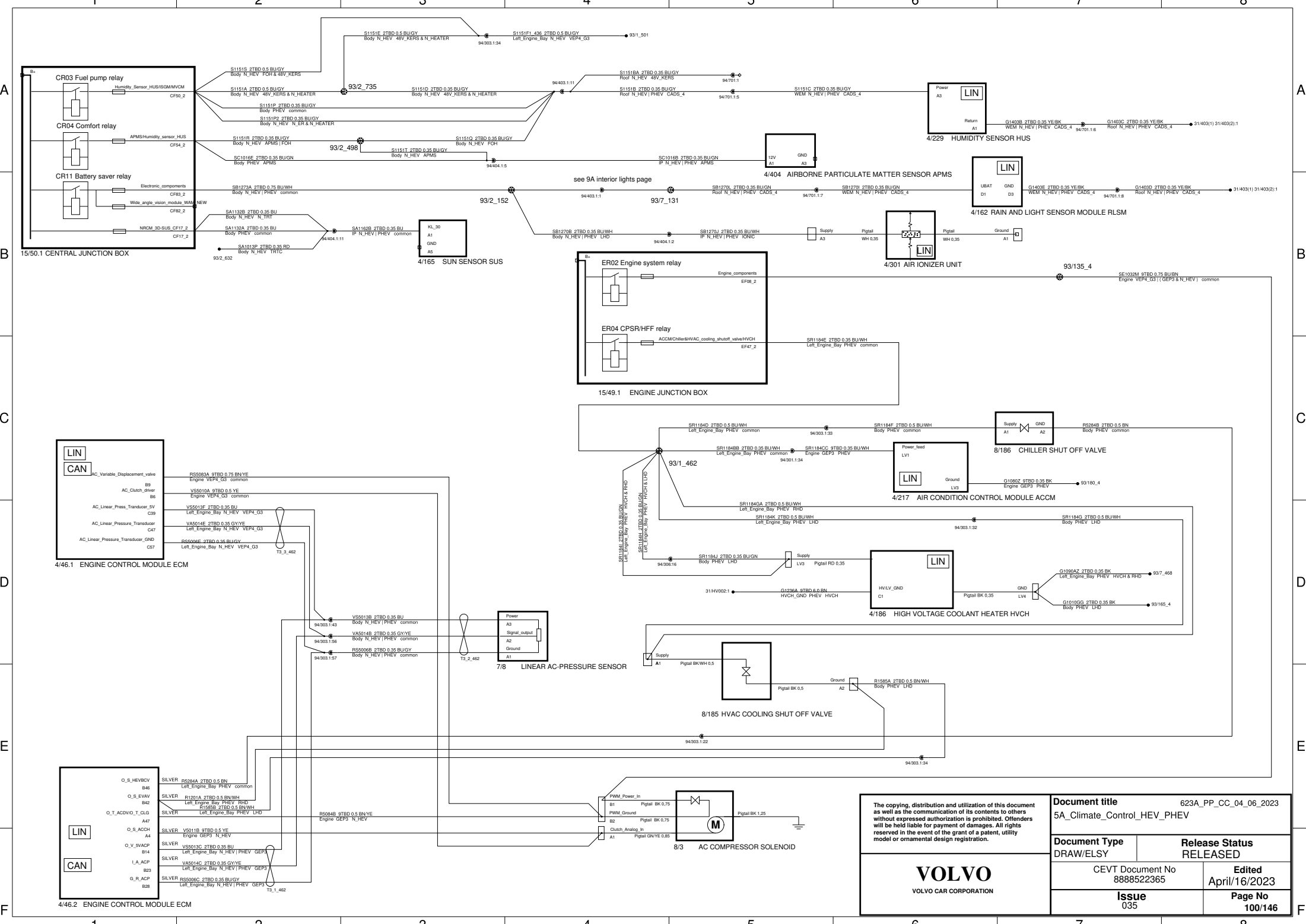
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# 4J4 PAC Visualisation/Driver Assistance COAX



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<p><b>Document Type</b> DRAW/ELSY</p>		<p><b>Release Status</b> RELEASED</p>	
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<p><b>Issue</b> 035</p>		<p><b>Page No</b> 98/146</p>	

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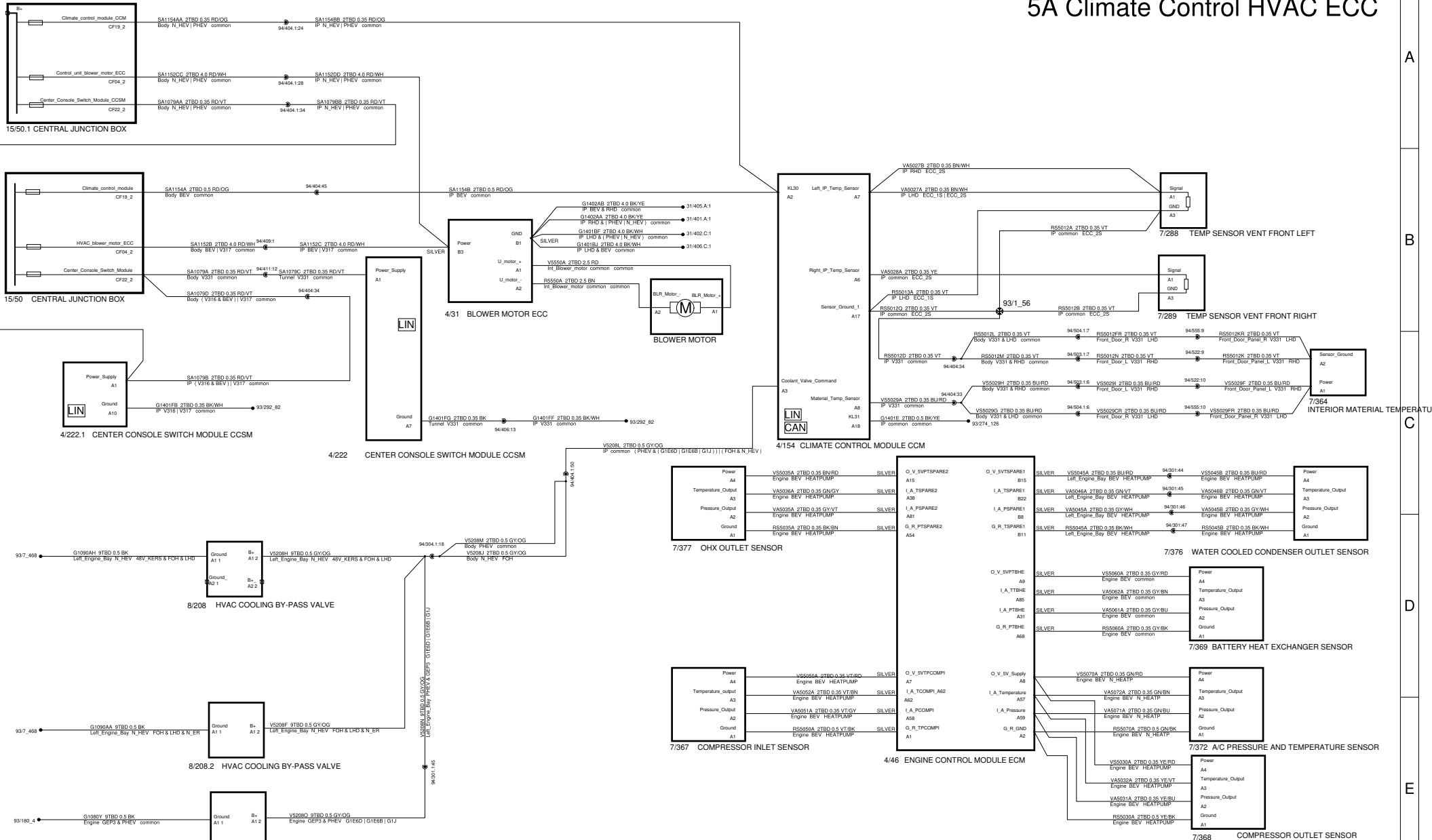


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<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
CEVT Document No 8888522365	<b>Edited</b> April/16/2023
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# 5A Climate Control HVAC ECC



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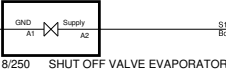
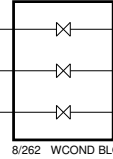
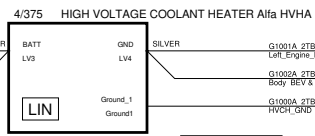
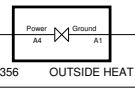
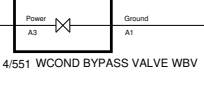
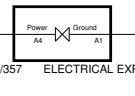
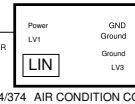
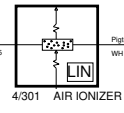
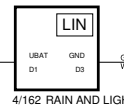
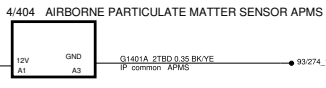
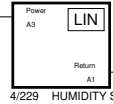
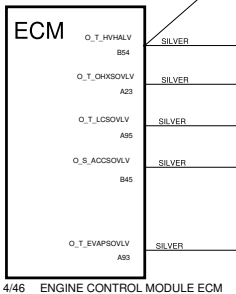
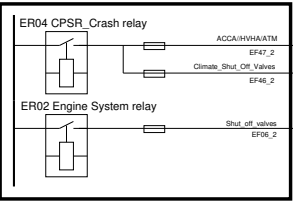
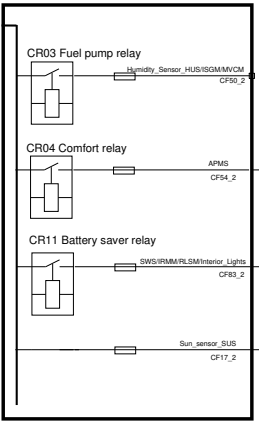
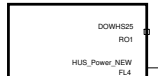
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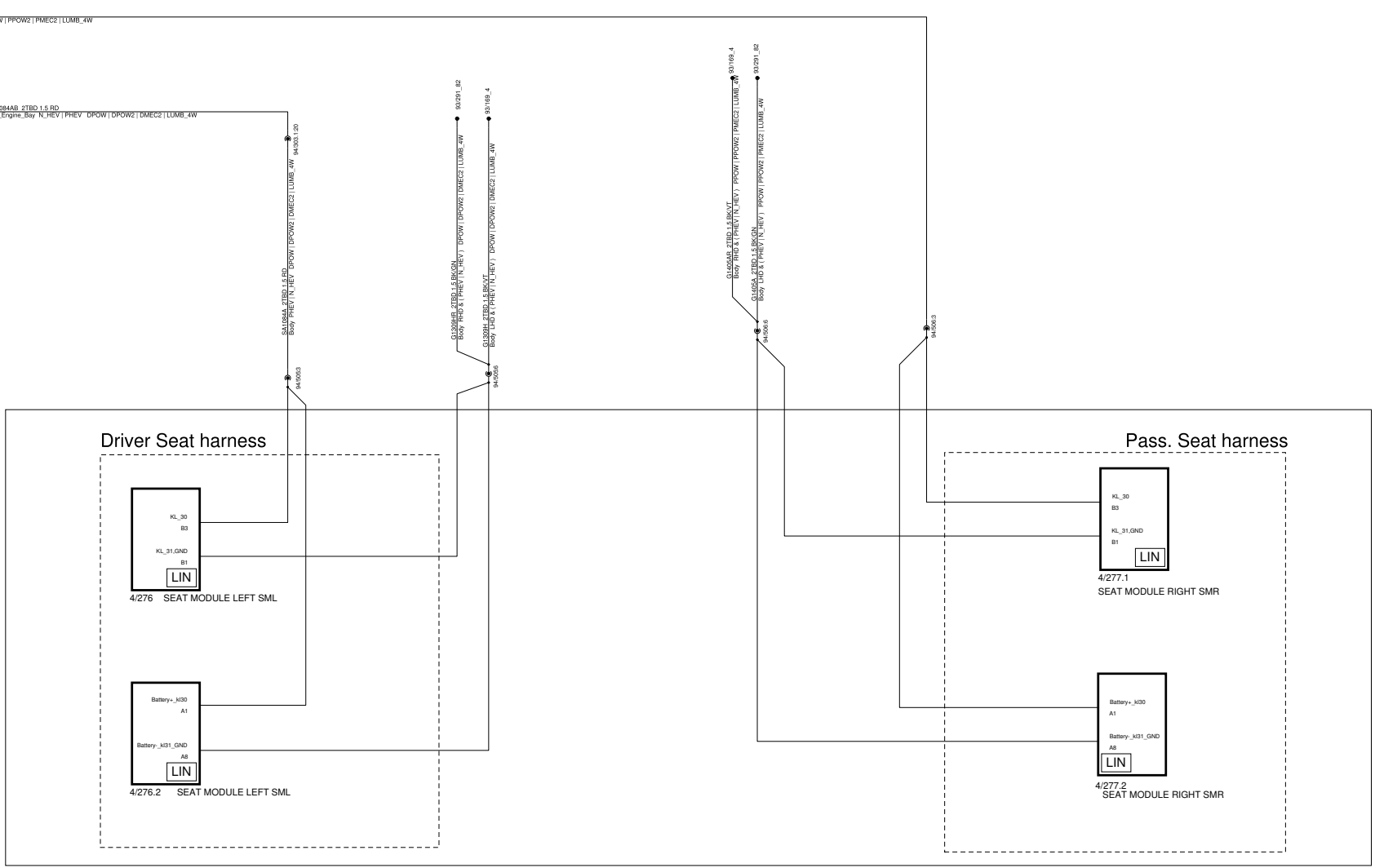
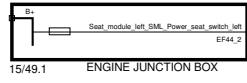
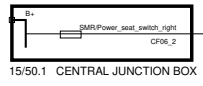
# 5A Climate Control



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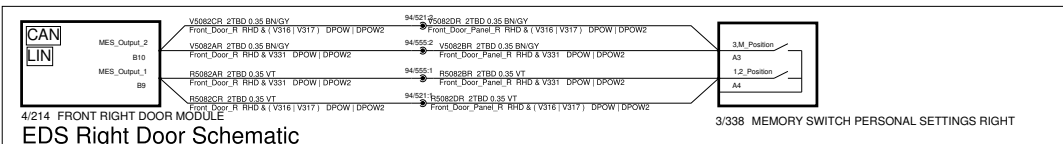
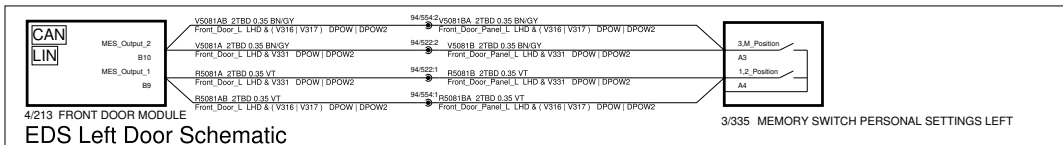
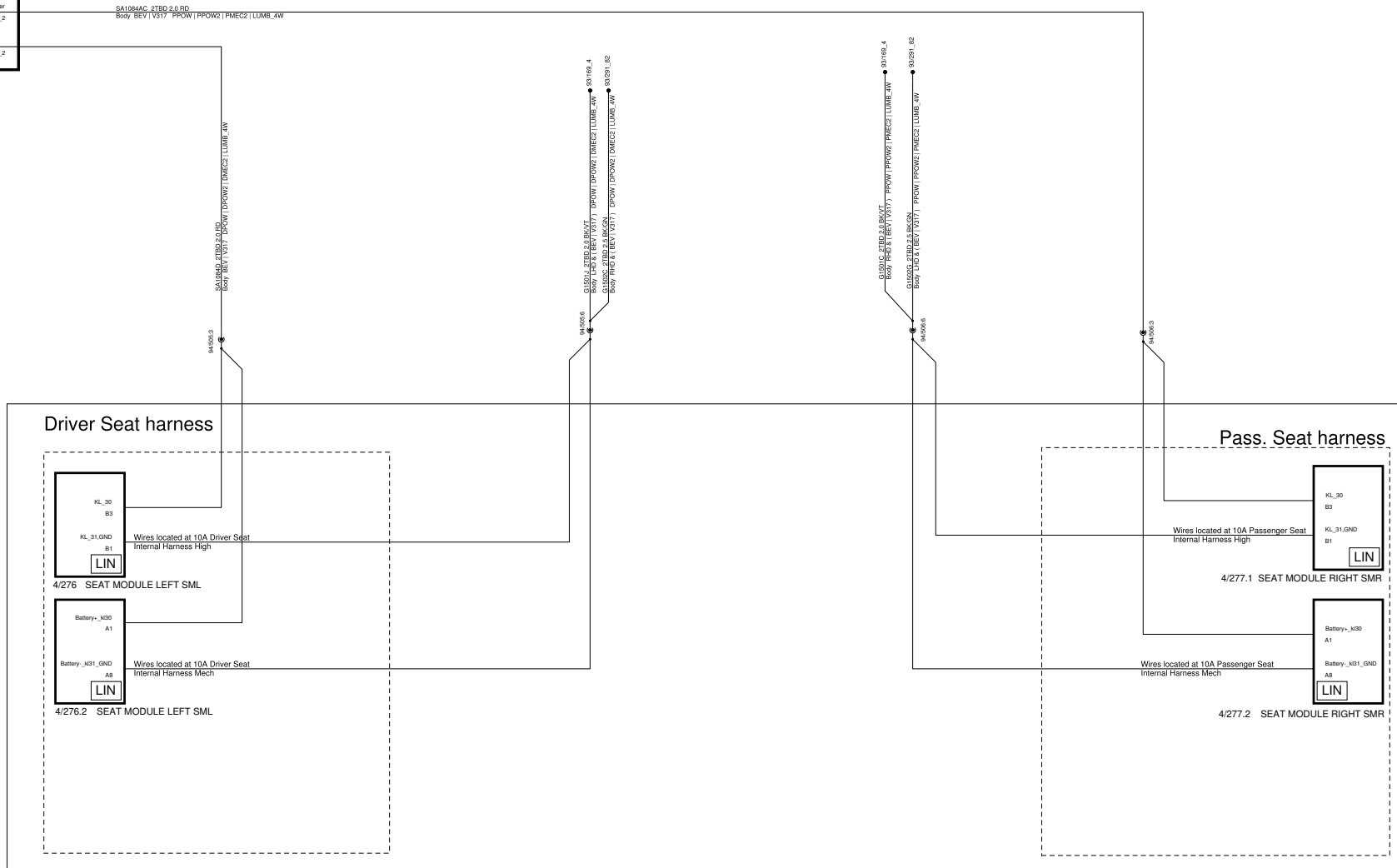
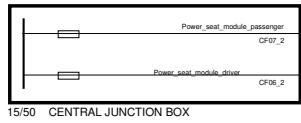
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	<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
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	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 103/146</p>

# 5B Front Seat Comfort

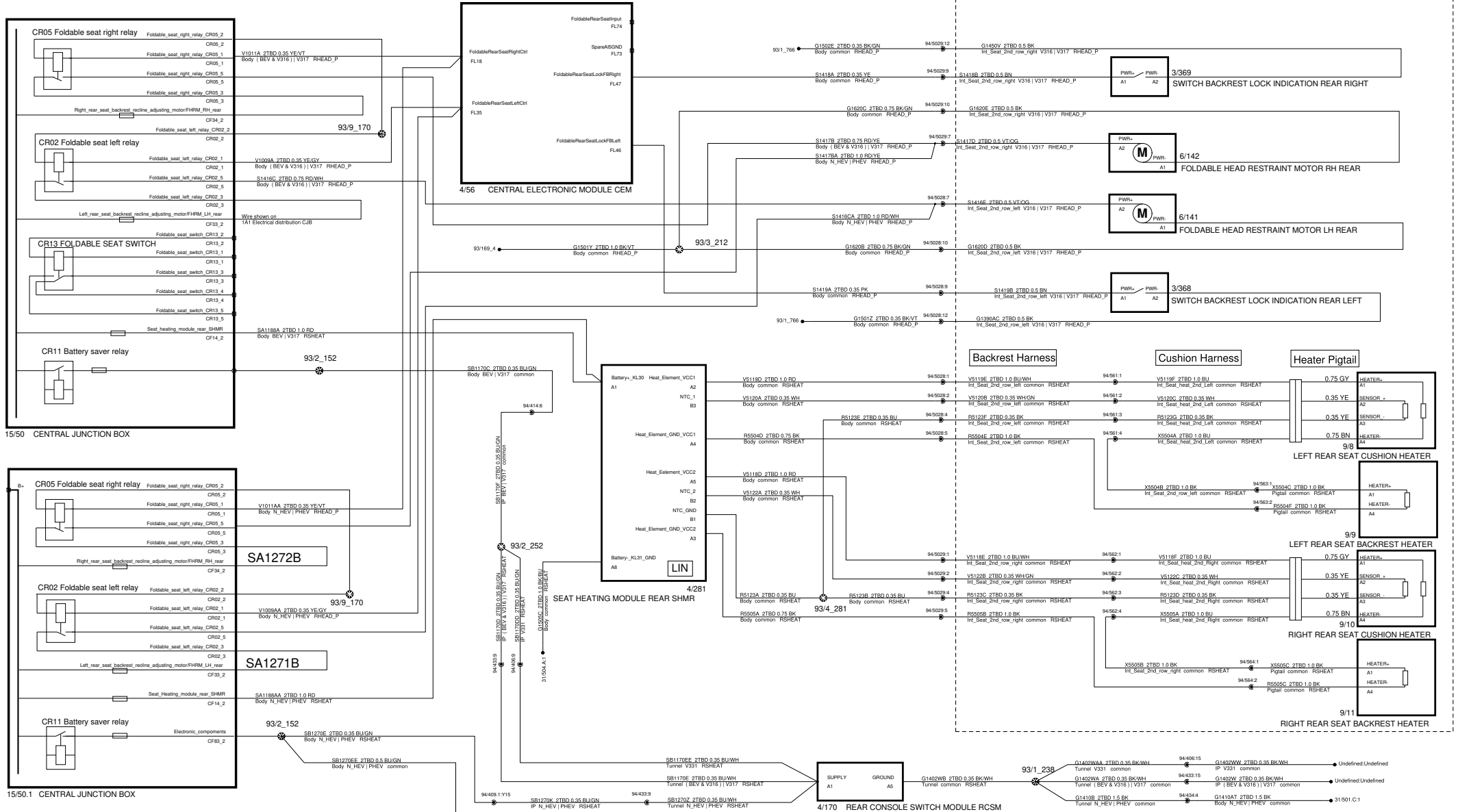


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		<p><b>Issue</b></p> <p>035</p>	<p><b>Page No</b></p> <p>102/146</p>



# 5B Rear Seat Comfort

## Rear Seat Harness



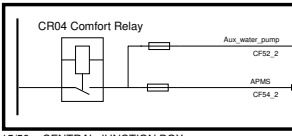
Continues through  
 - 8A\_Exterior\_Light\_Front  
 - 9A\_Interior\_Lights

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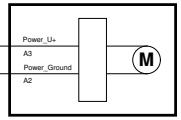


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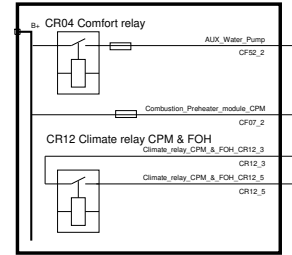
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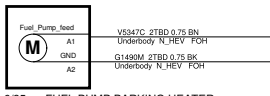
15/50 CENTRAL JUNCTION BOX



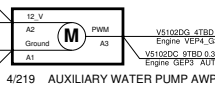
4/694 COMPARTMENT COOLANT PUMP MODULE CCPM



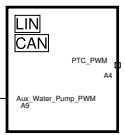
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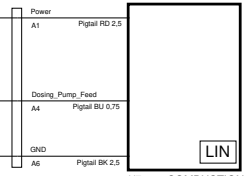
6/35 FUEL PUMP PARKING HEATER



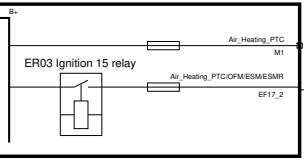
4/219 AUXILIARY WATER PUMP AWP



4/154 CLIMATE CONTROL MODULE CCM



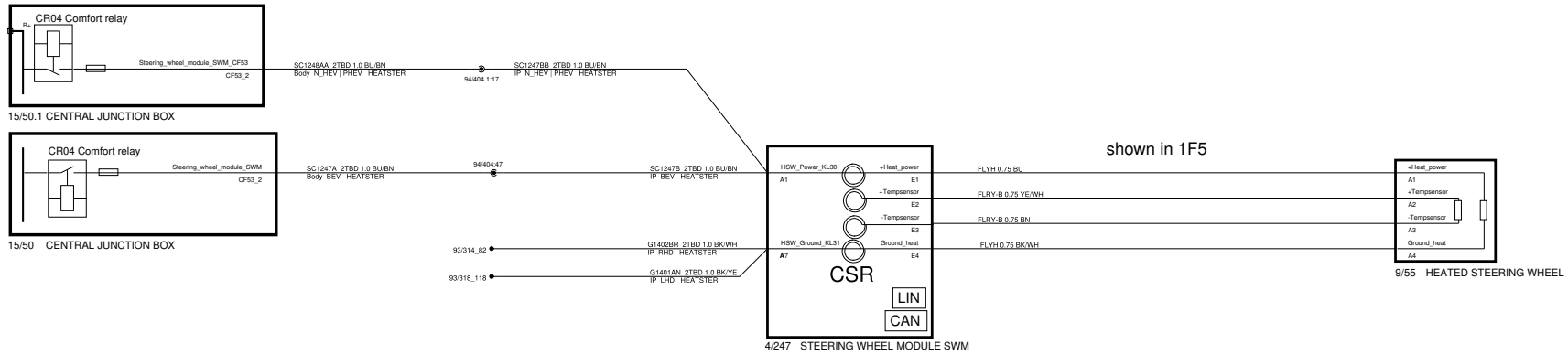
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15/49.1 ENGINE JUNCTION BOX

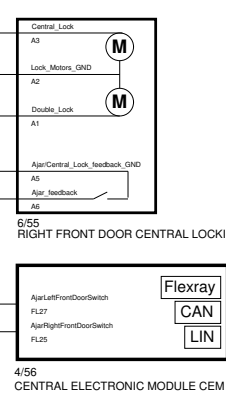
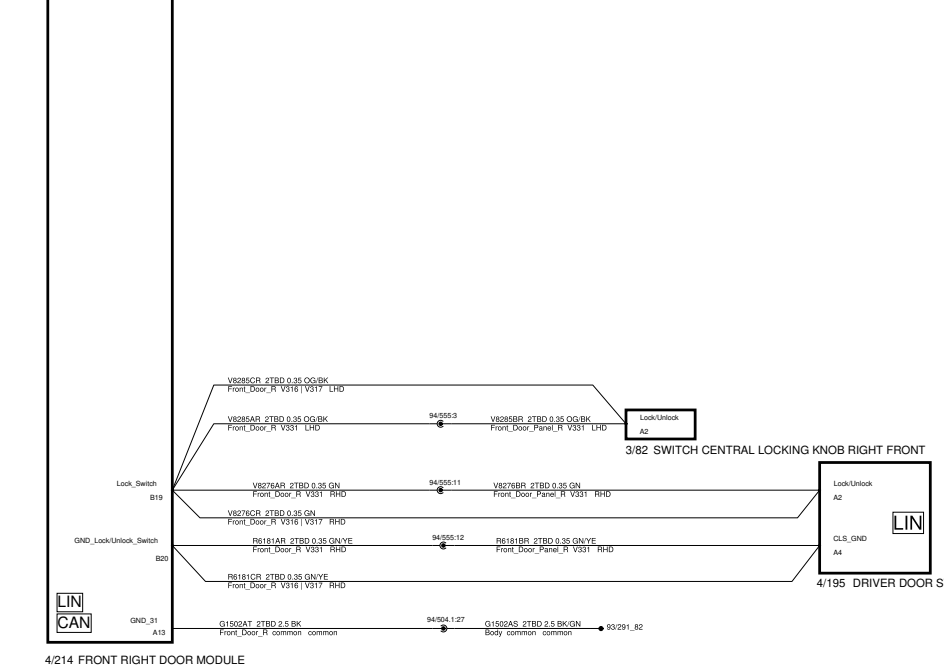
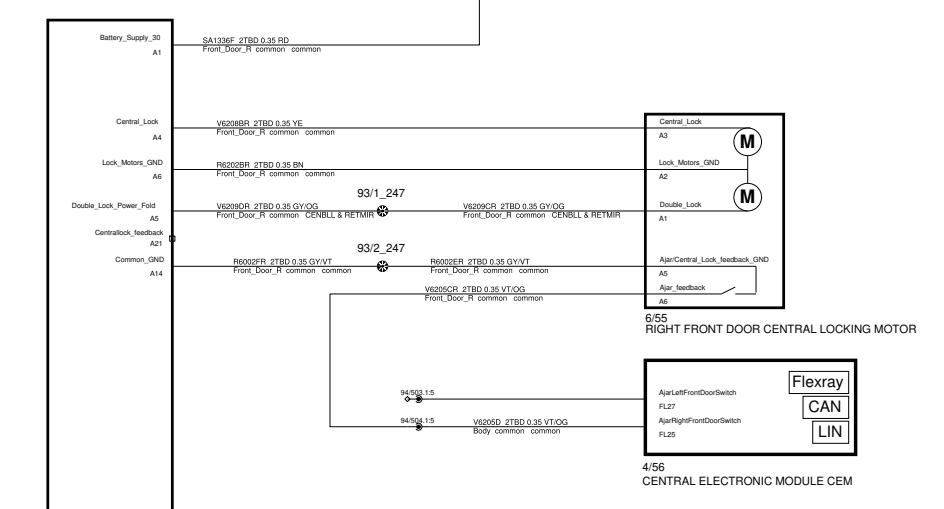
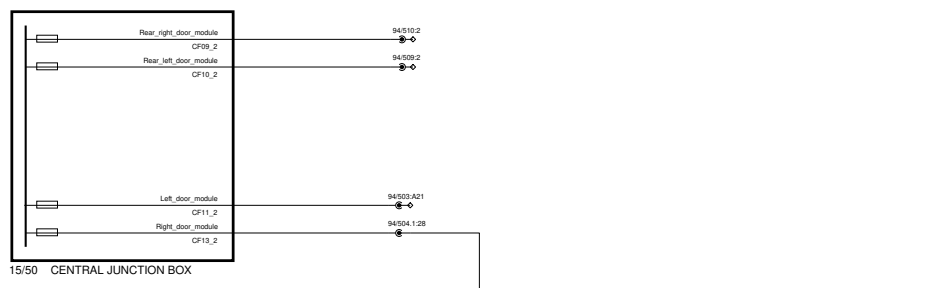
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# 5G Steering Wheel Heating



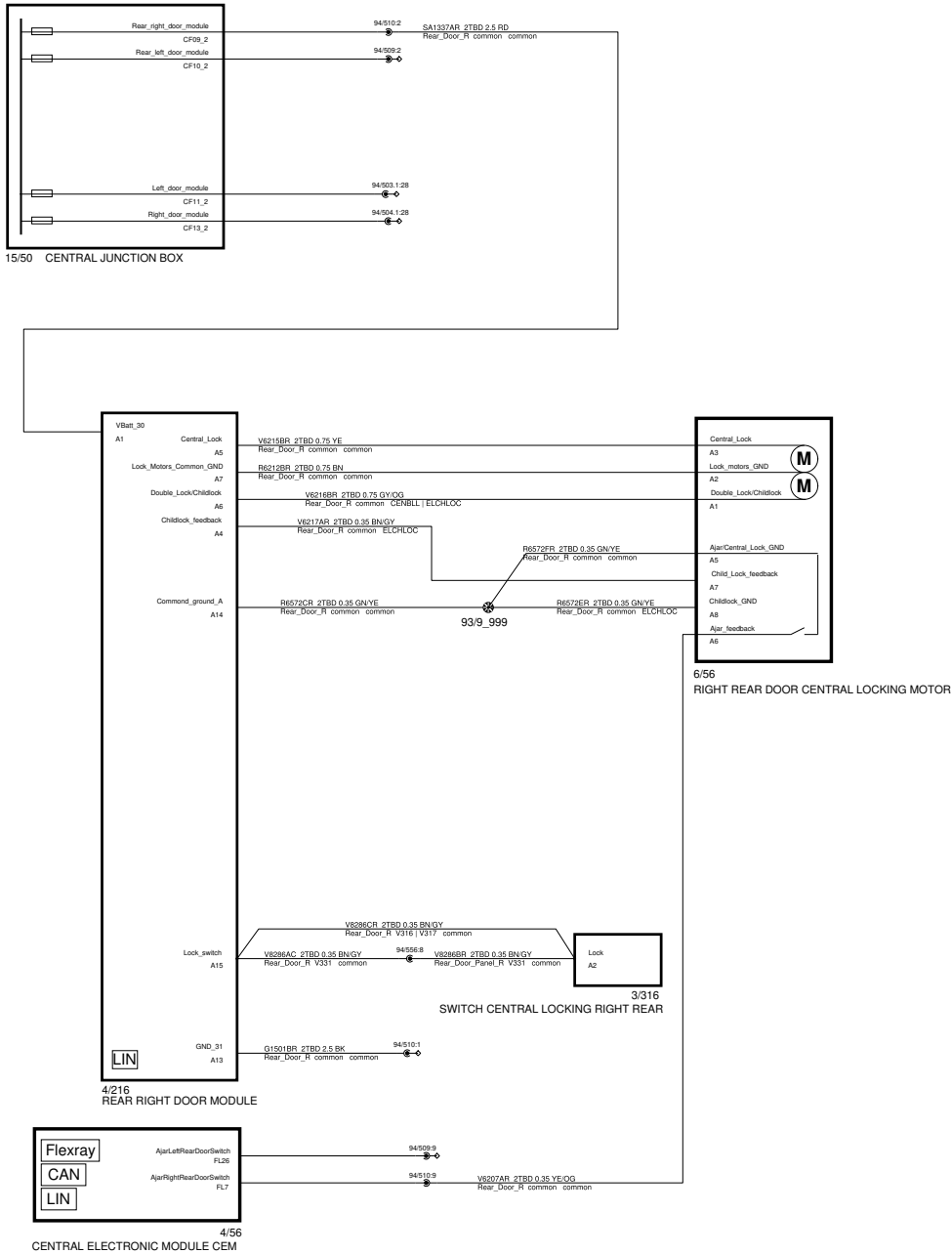
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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	Volvo Document No 33445458	<b>Edited</b> April/16/2023
	<b>Issue</b> 035	<b>Page No</b> 106/146

# 6A Locking Front Right



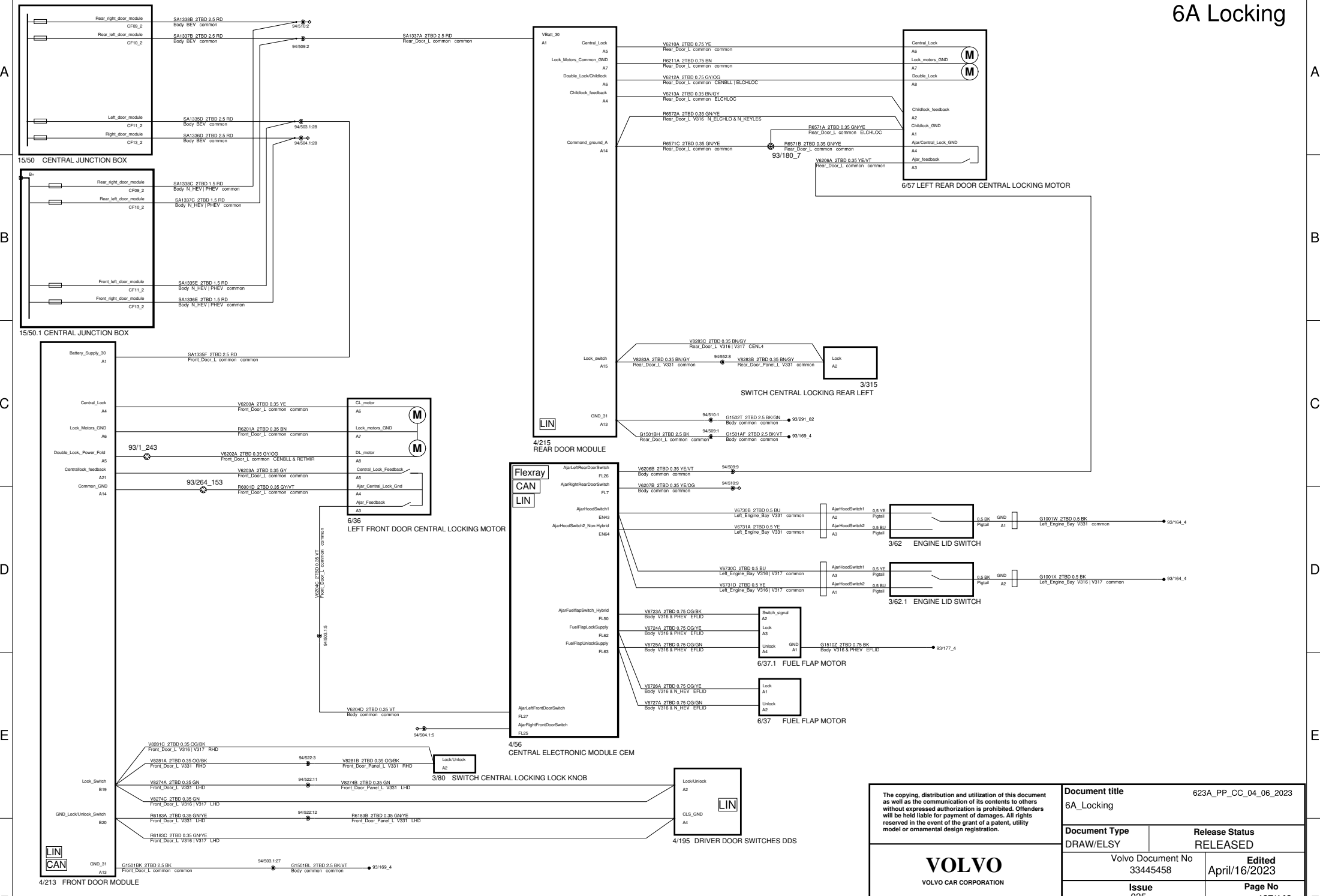
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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	CEVT Document No 8888522365	<b>Edited</b> April/16/2023
<b>Issue</b> 035	<b>Page No</b> 108/146	

# 6A Locking Rear Right



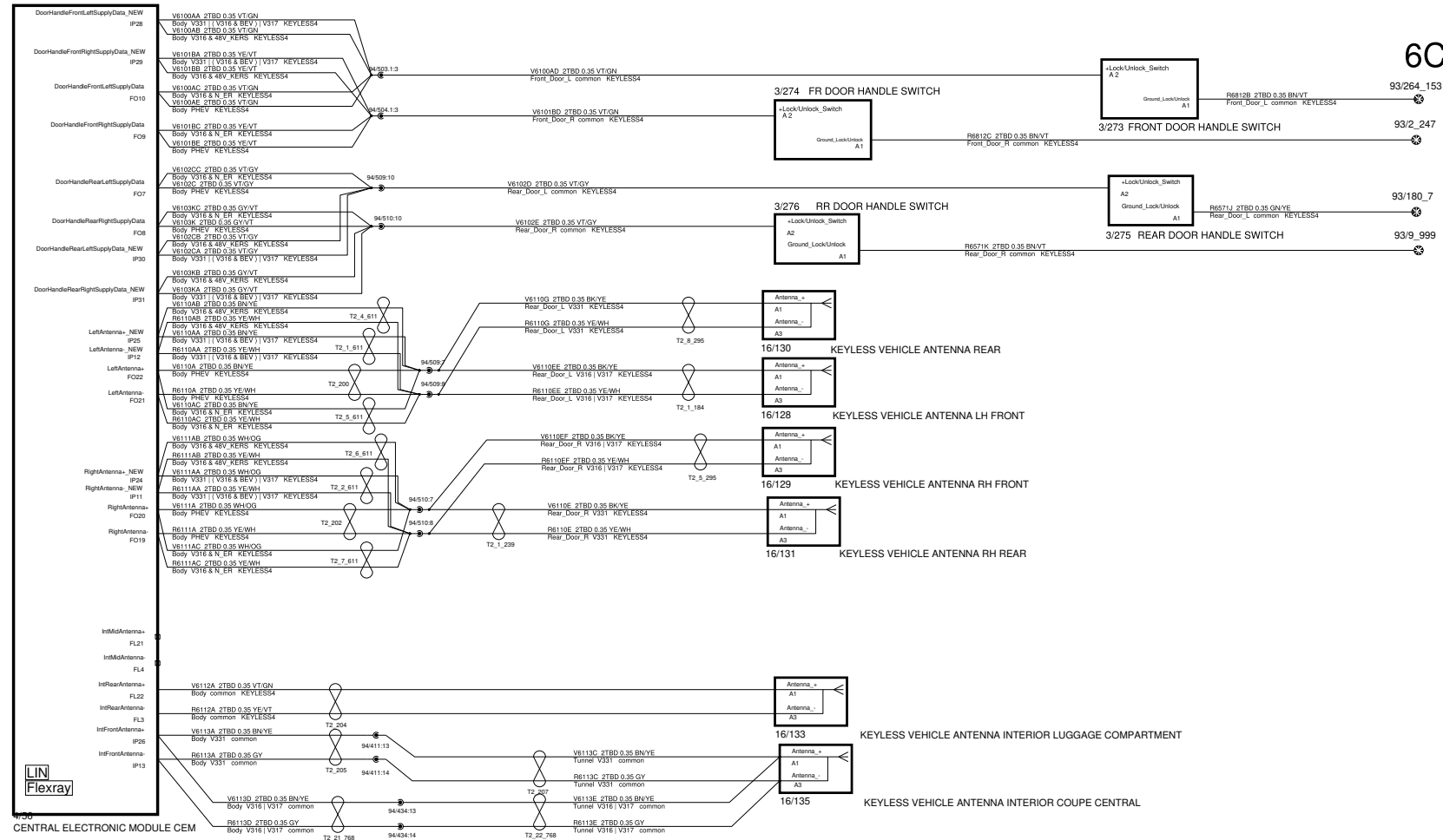
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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
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<b>Issue</b> 035	<b>Page No</b> 109/146	

# 6A Locking



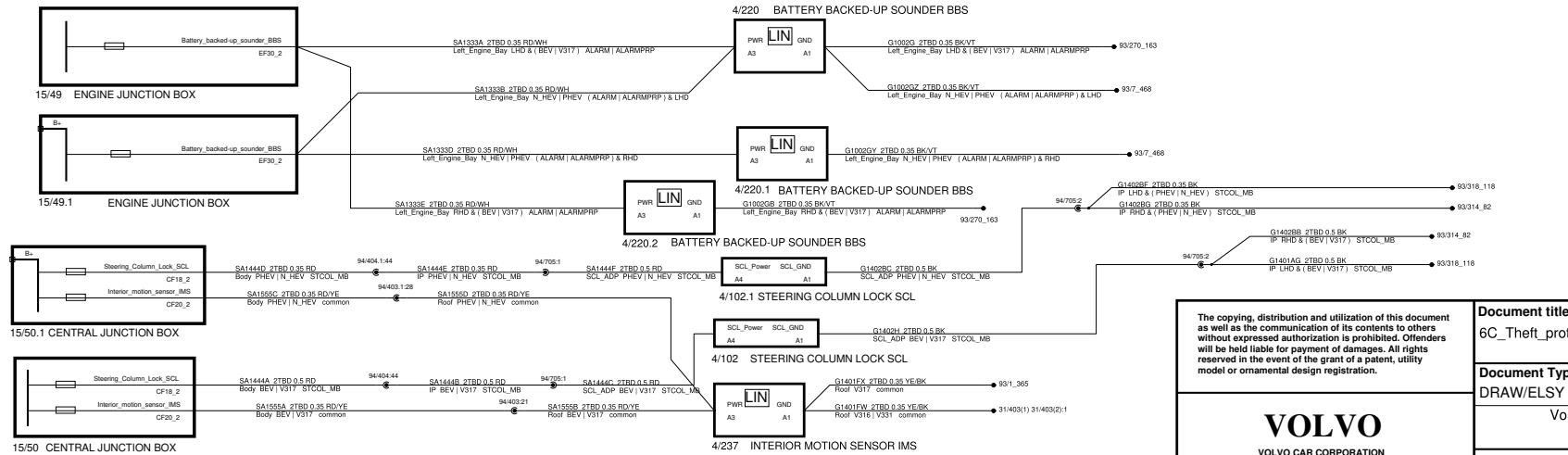
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		<p><b>Issue</b> 035</p>	<p><b>Page No</b> 107/146</p>

# 6C Theft Protection



## Passive unlocking

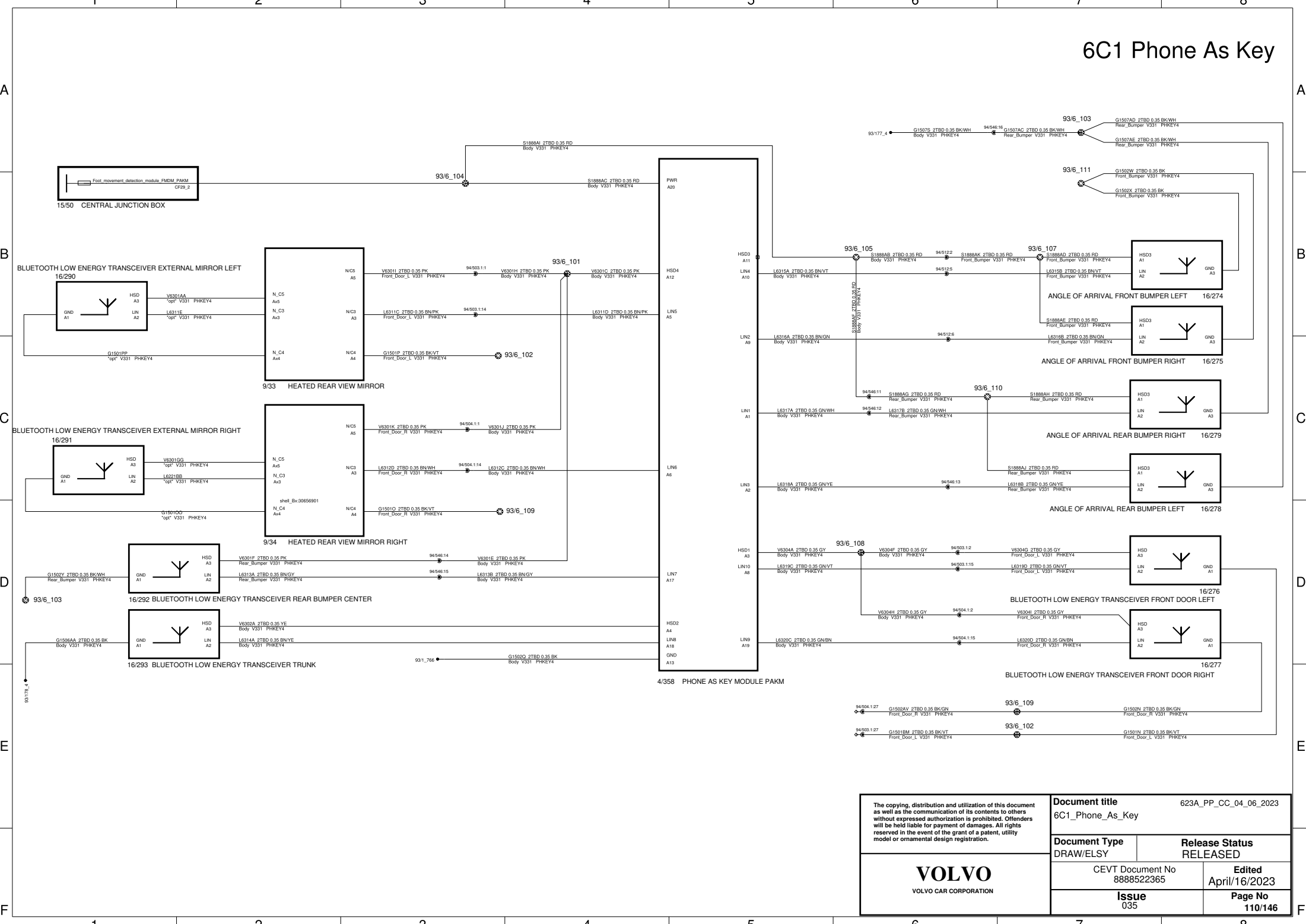
## Immobilizing



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<p>Document Type DRAW/ELSY</p>	<p>Release Status RELEASED</p>		
<p>Volvo Document No 33445458</p>		<p>Edited April/16/2023</p>	
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# 6C1 Phone As Key

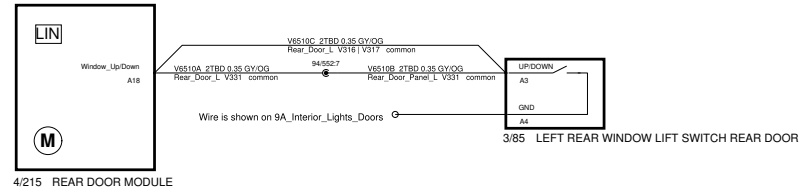
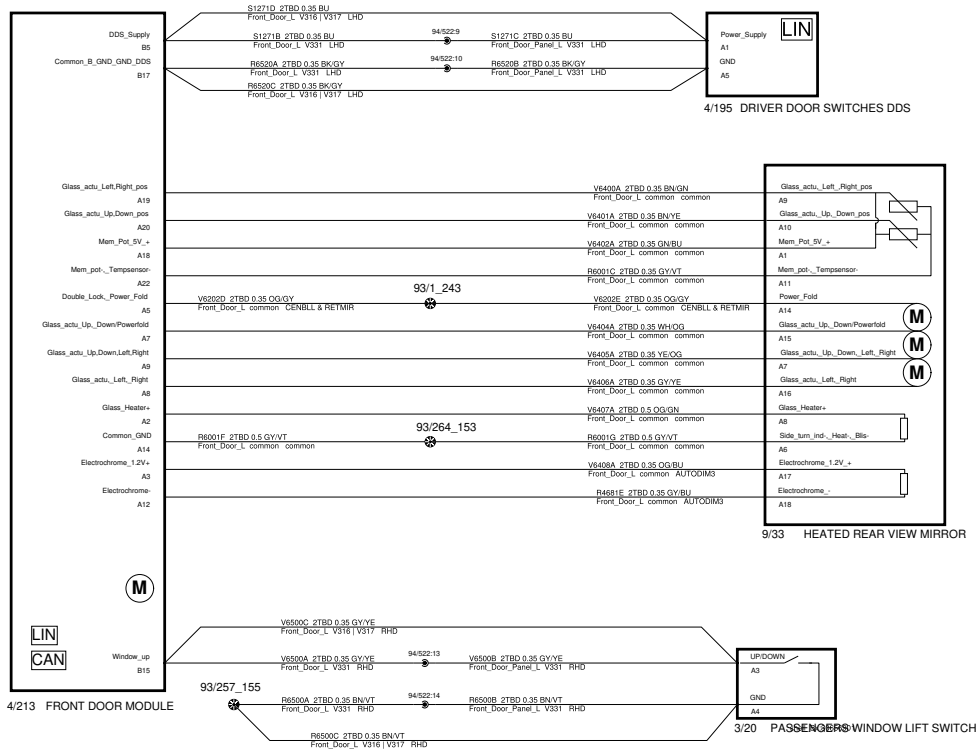


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<p>CEVT Document No 8888522365</p>		<p>Edited April/16/2023</p>	
<p>Issue 035</p>		<p>Page No 110/146</p>	

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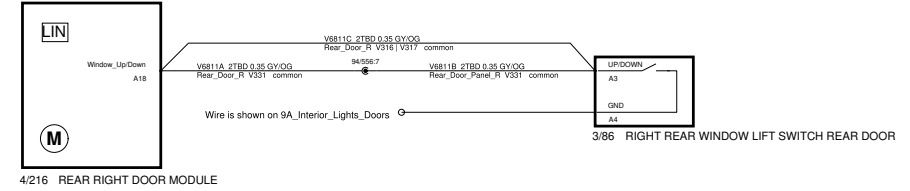
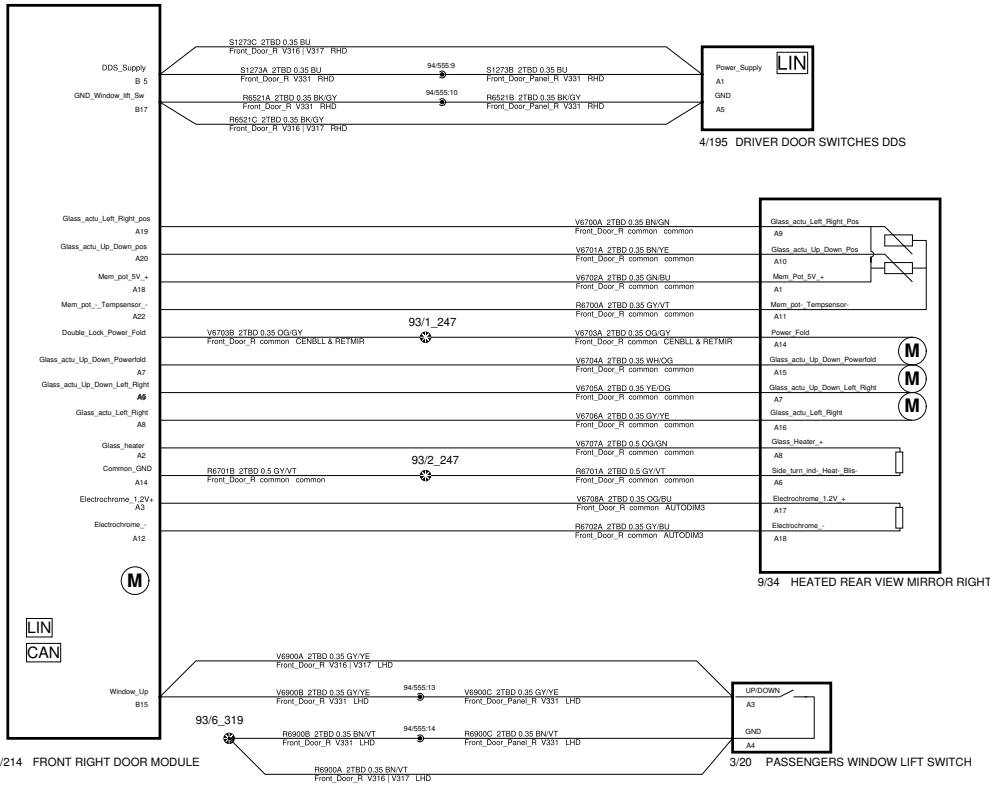


# 6D Window manoeuvring 6E Mirror manoeuvring



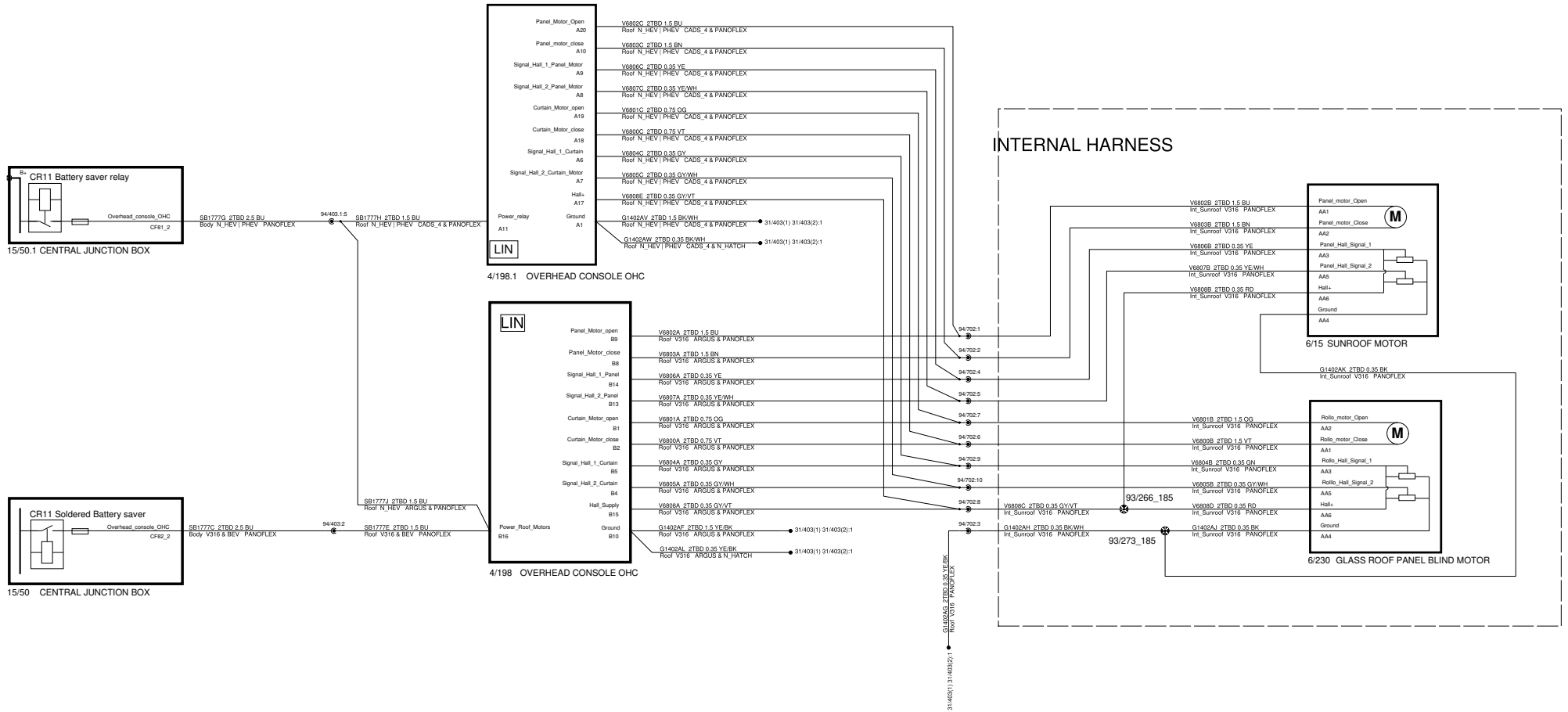
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	Volvo Document No 33445458	<b>Edited</b> April/16/2023
	<b>Issue</b> 035	<b>Page No</b> 112/146

# 6D Window manoeuvring Right 6E Mirror manoeuvring Right



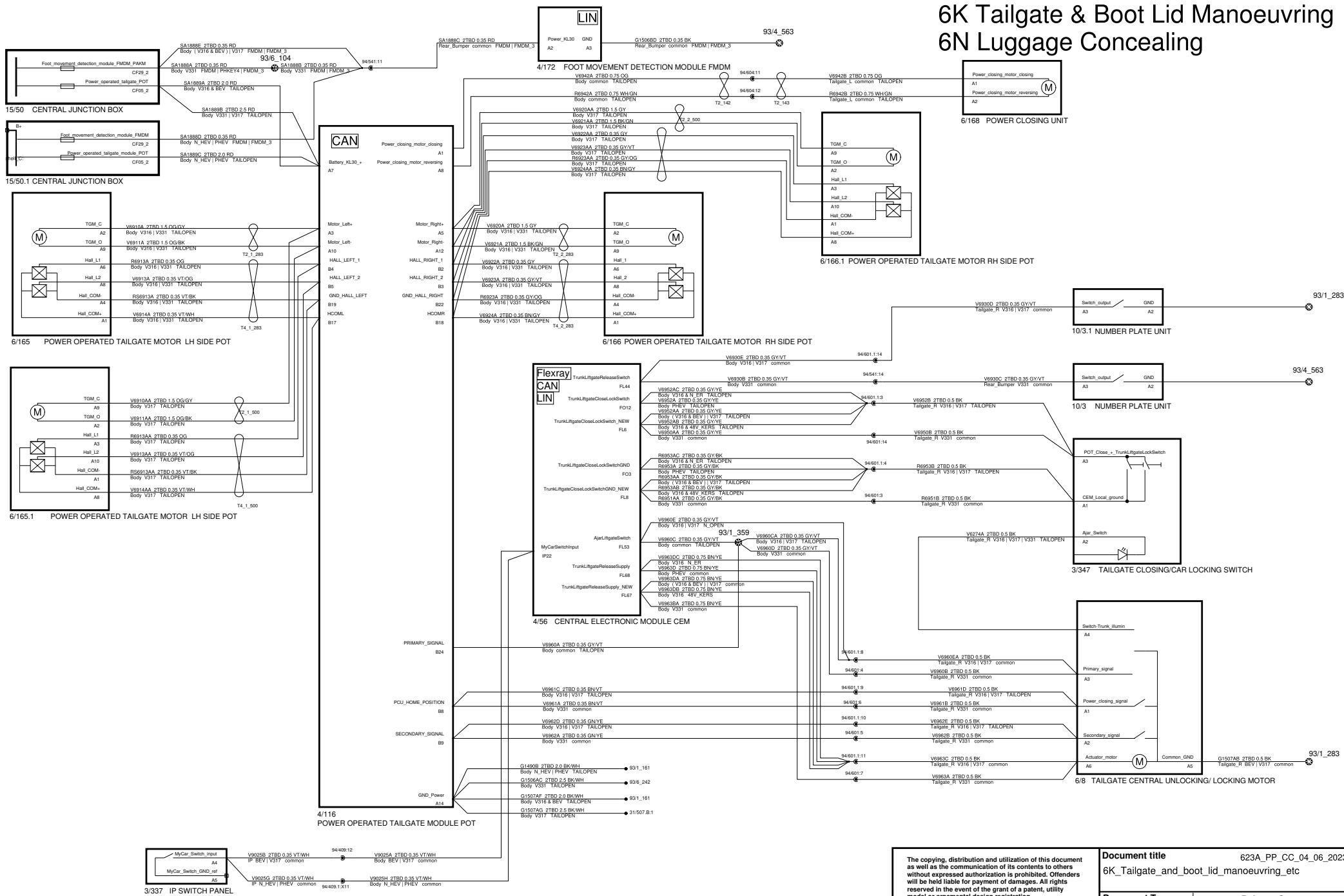
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	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 113/146</p>

# 6F Roof Manoeuvring



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	CEVT Document No 8888522365	<b>Edited</b> June/16/2021
	<b>Issue</b> 035	<b>Page No</b> 114/146

# 6K Tailgate & Boot Lid Manoeuvring 6N Luggage Concealing



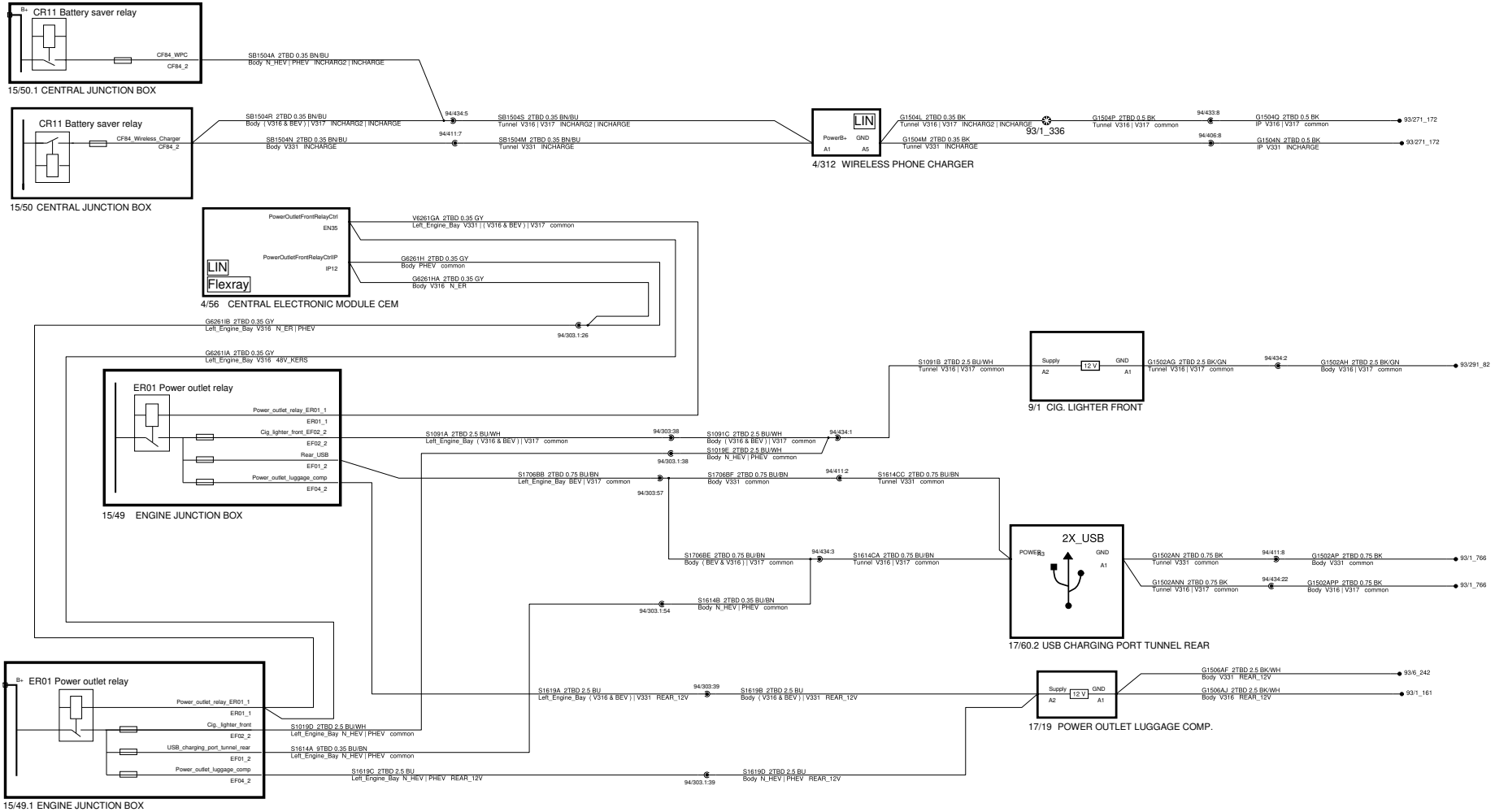
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<p>Issue 035</p>		<p>Page No 115/146</p>	

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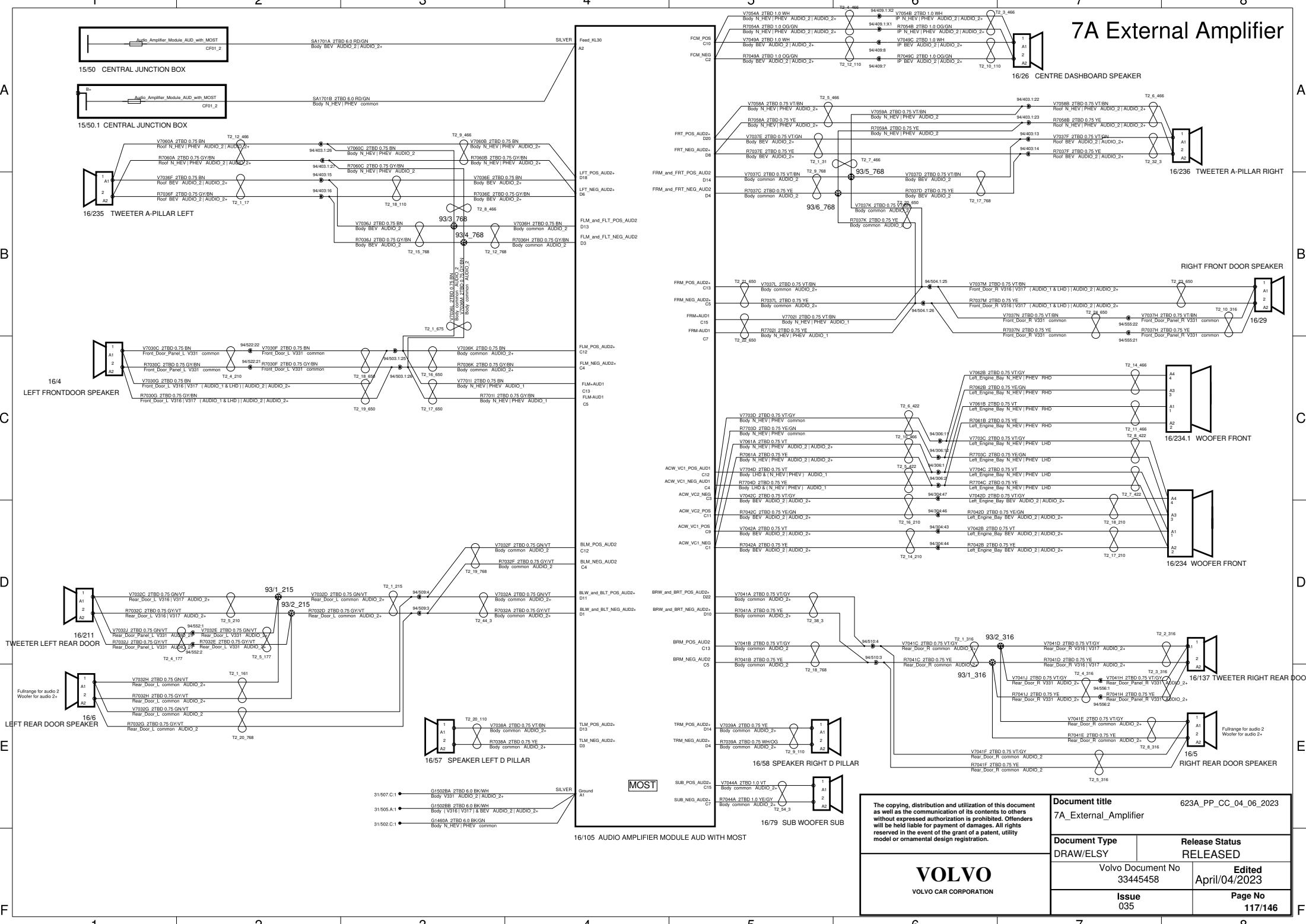
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# 6P Voltage Outlet



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# 7A External Amplifier



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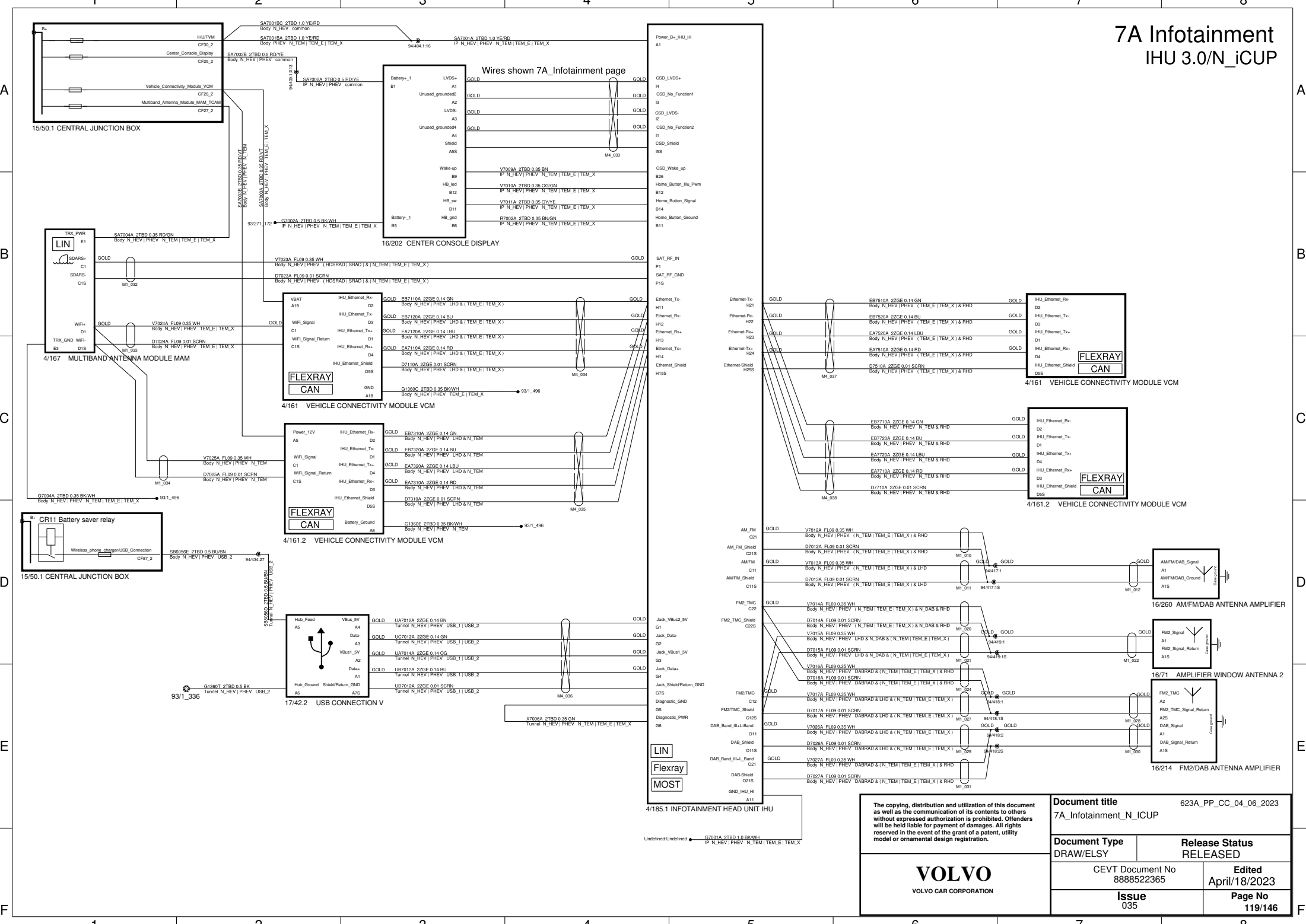
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# 7A Infotainment IHU 3.0/N\_iCUP



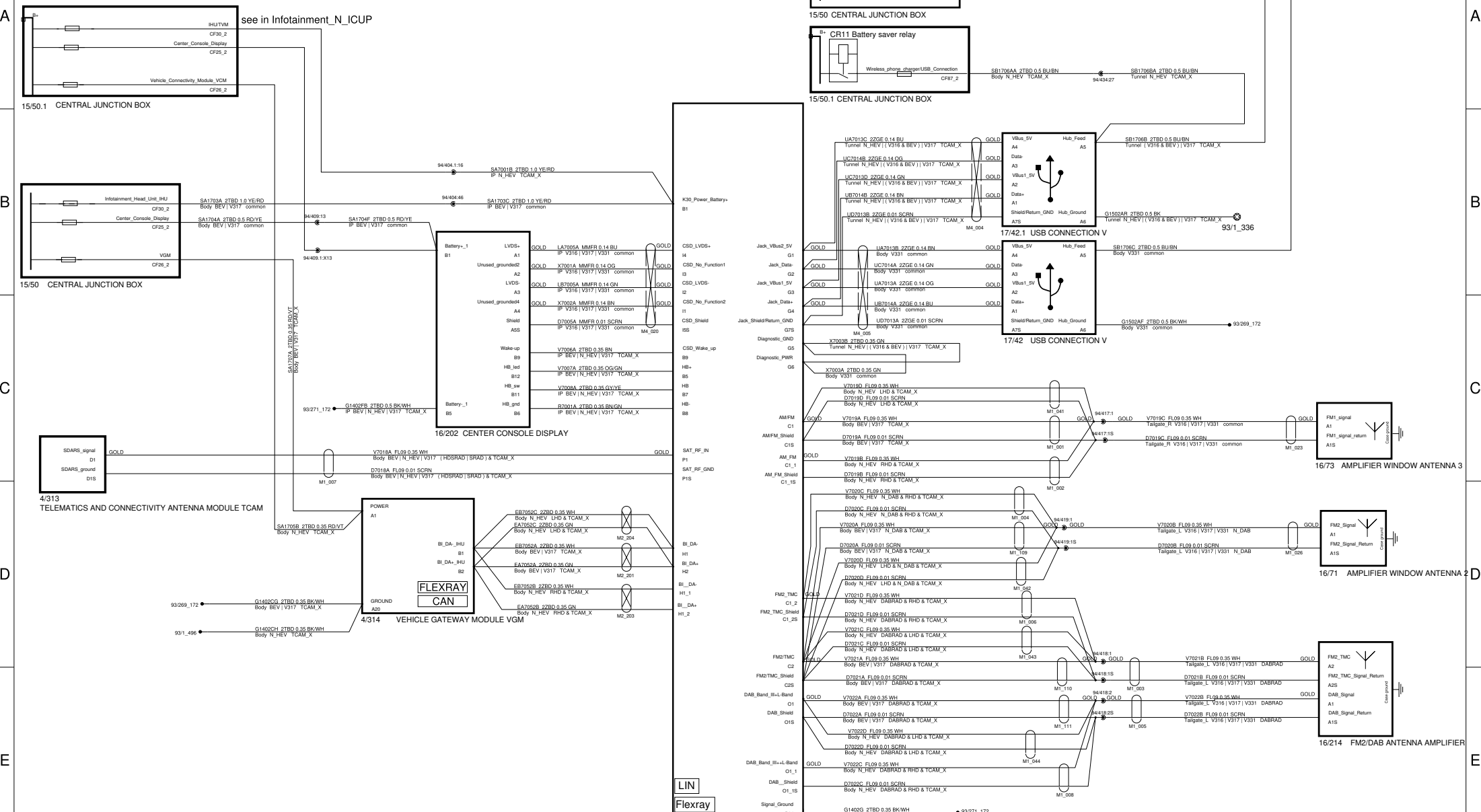
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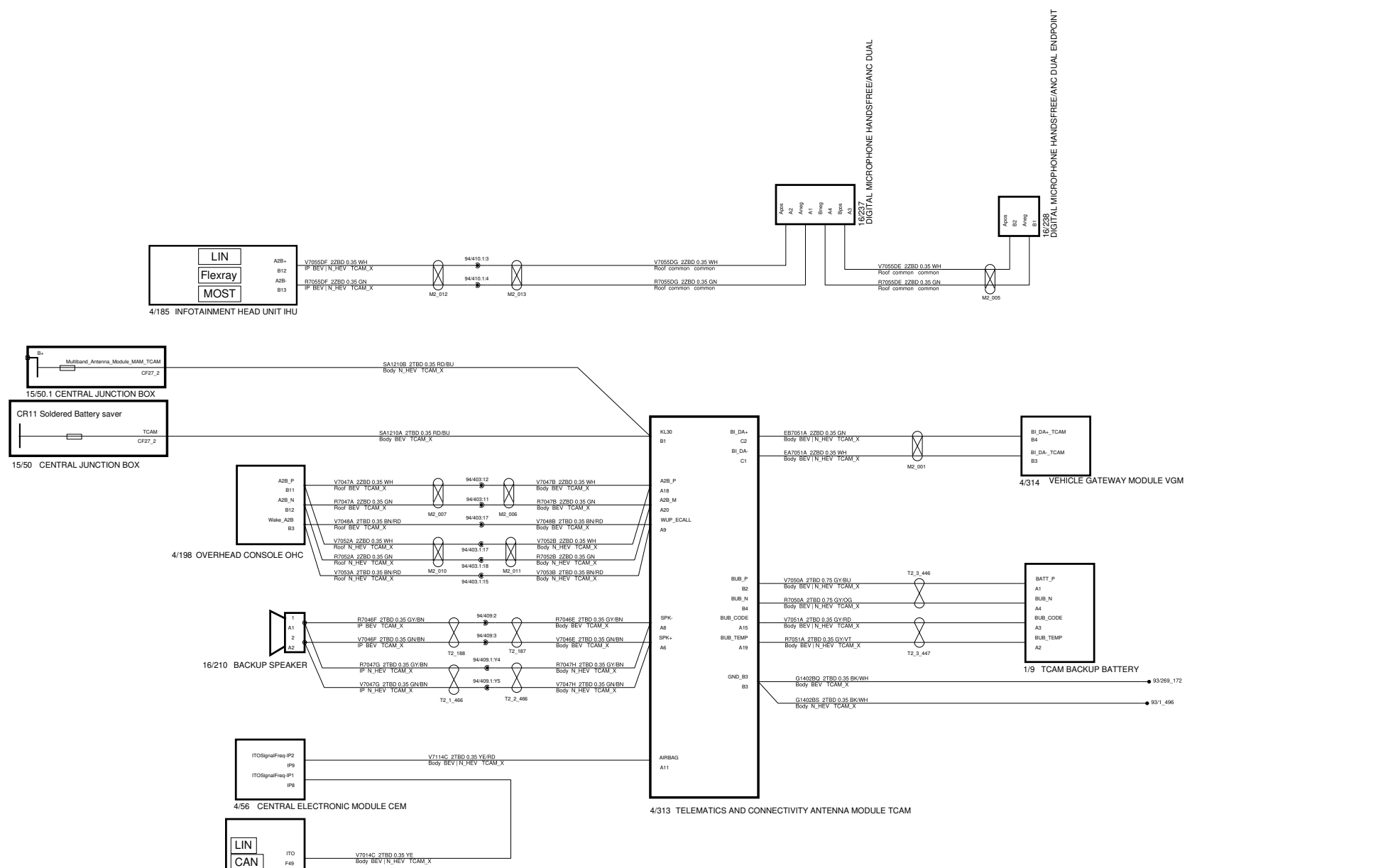


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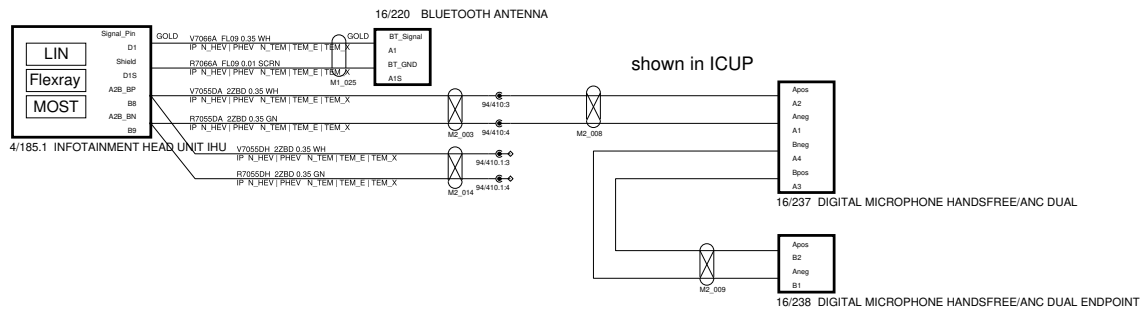
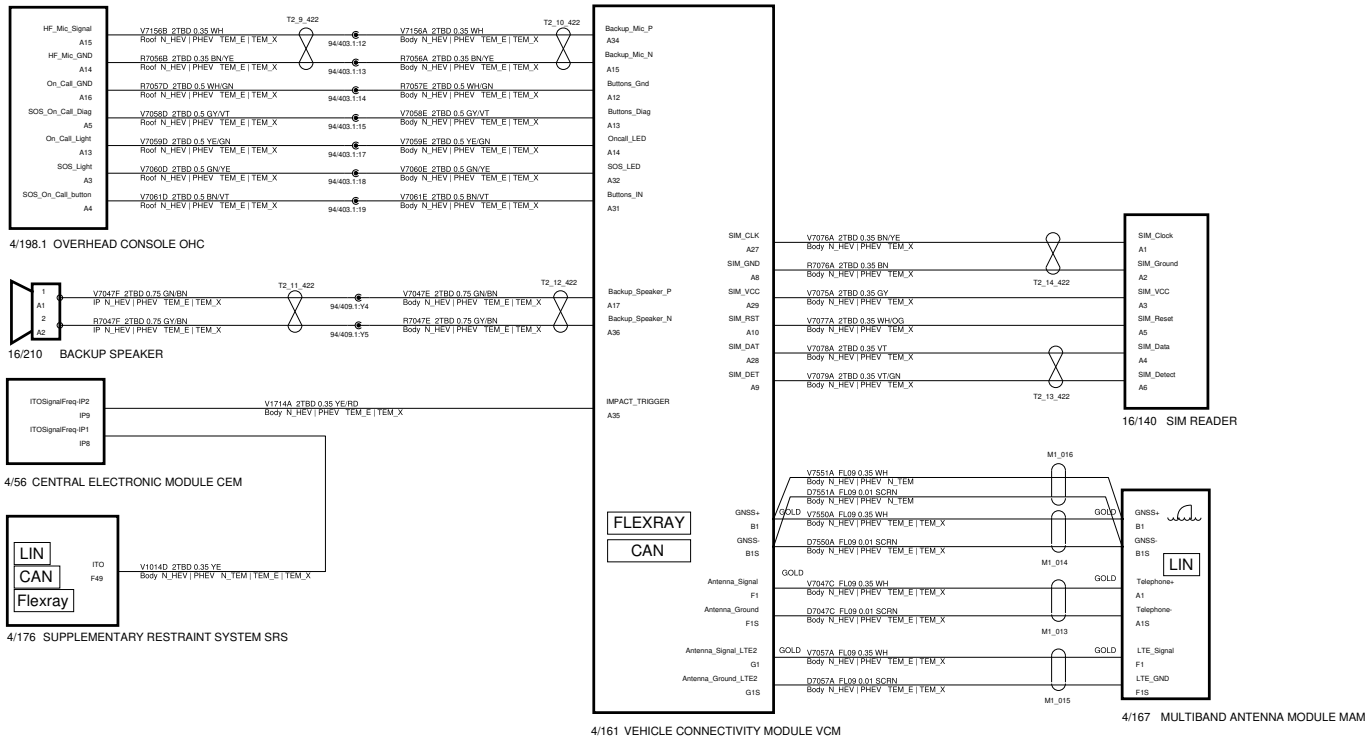
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# 7B Telematics

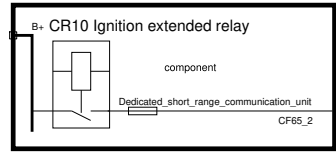


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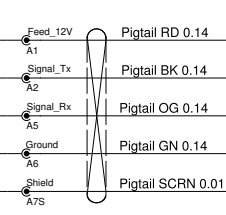
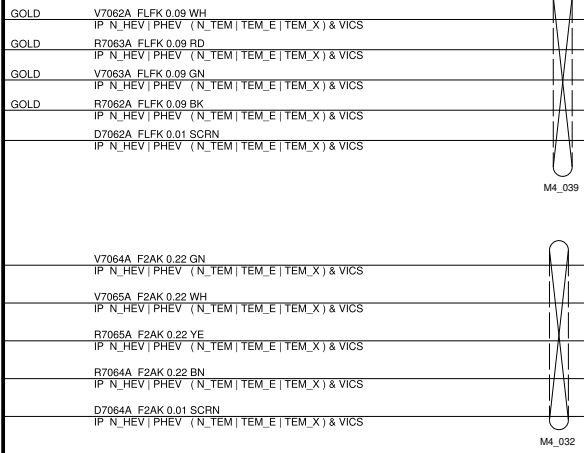
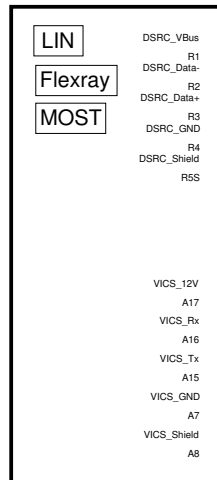
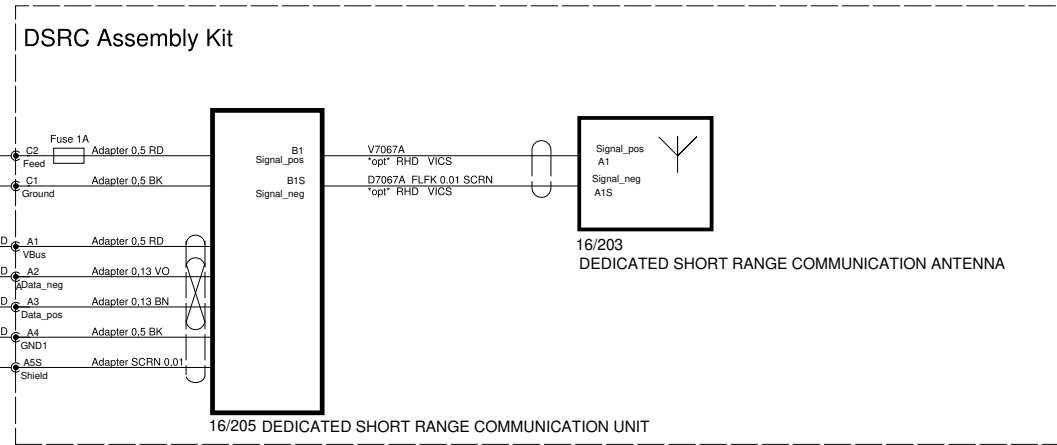


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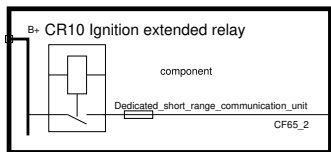
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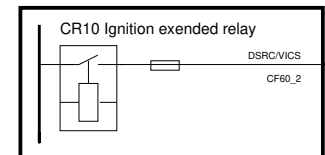
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# 7C DSRC IHU 4.0/iCUP

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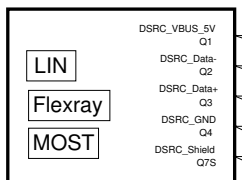


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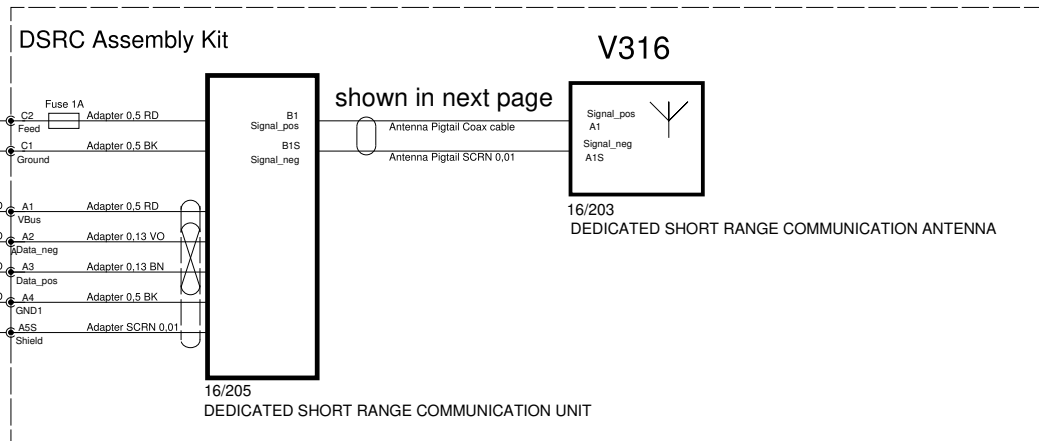
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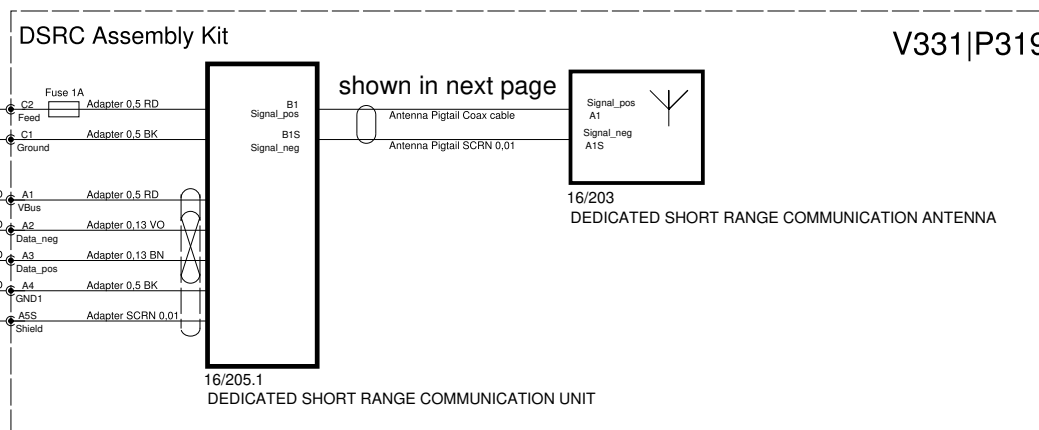


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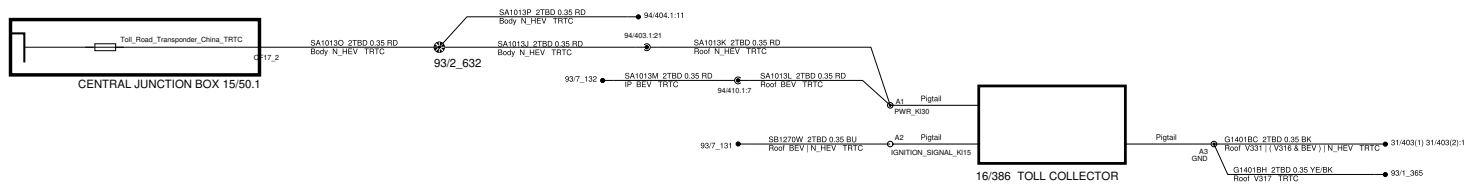
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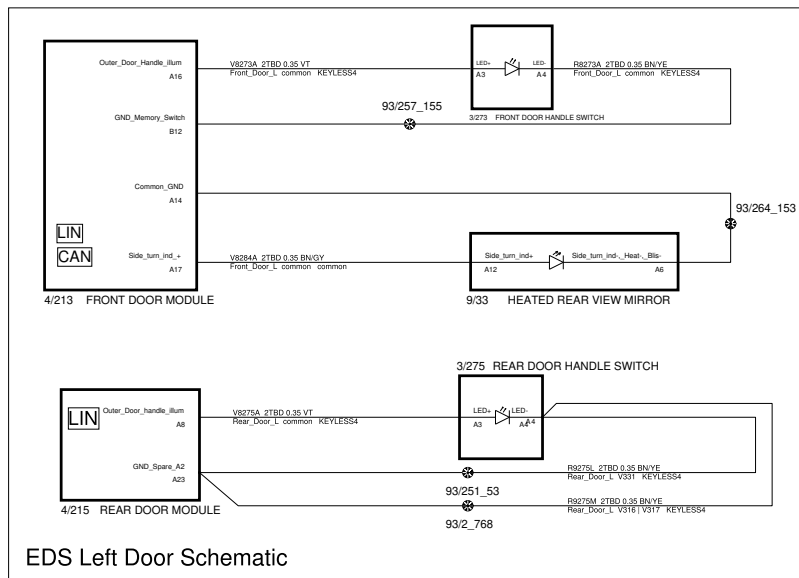
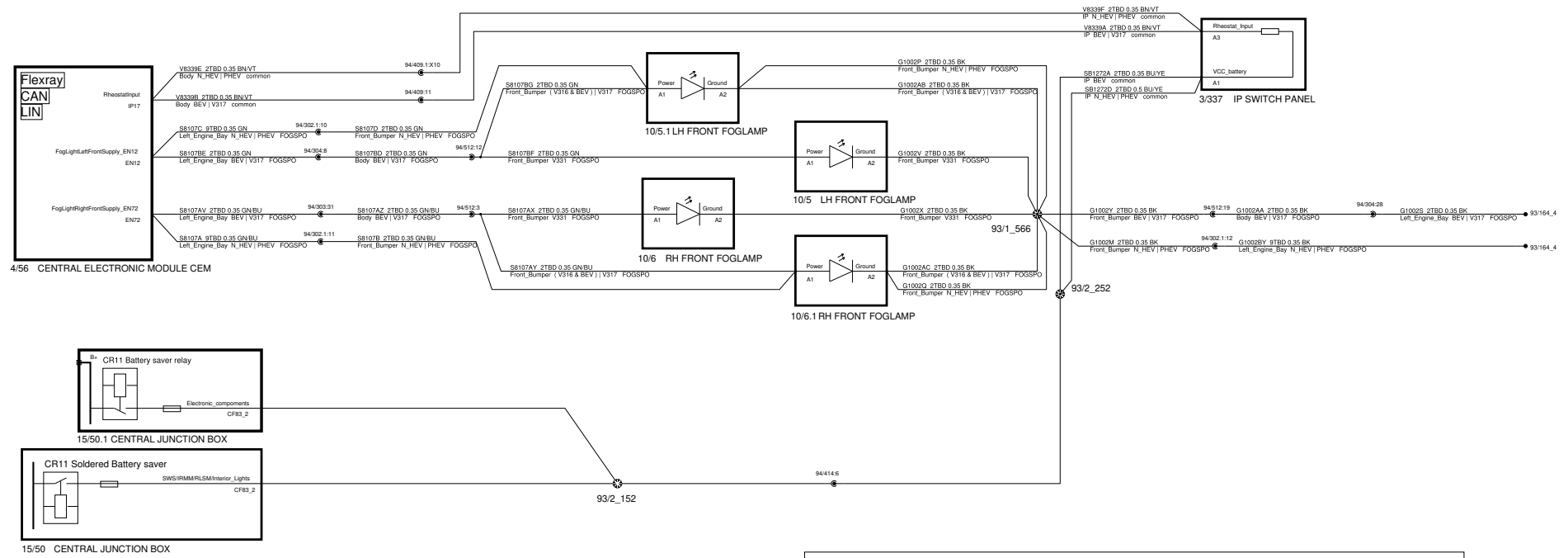
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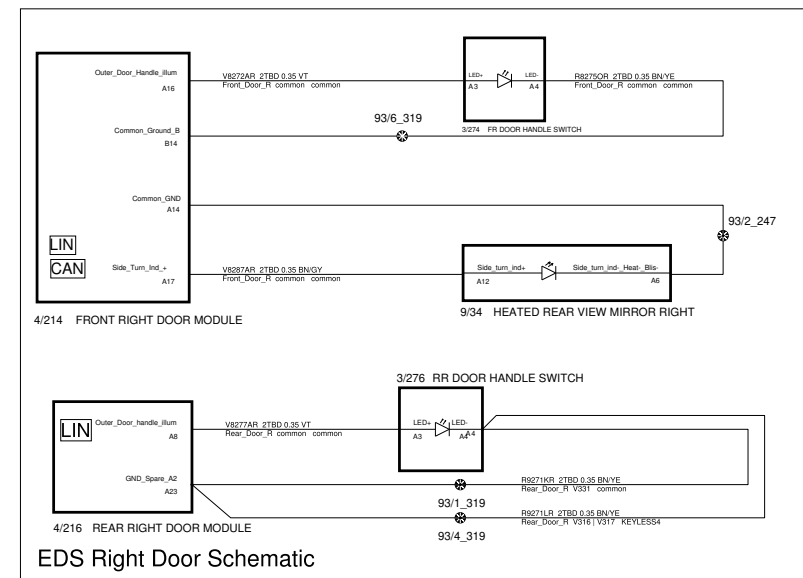


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	CEVT Document No 8888522365	<b>Edited</b> April/18/2023
	<b>Issue</b> 035	<b>Page No</b> 124/146

# 8A Exterior Light Front



EDS Left Door Schematic



EDS Right Door Schematic

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623A\_PP\_CC\_04\_06\_2023

Document Type

Release Status

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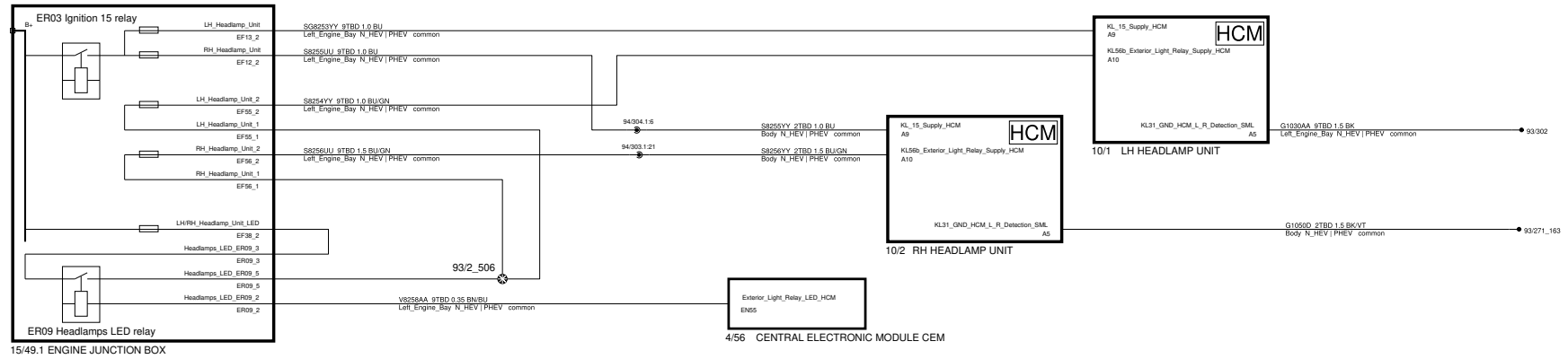
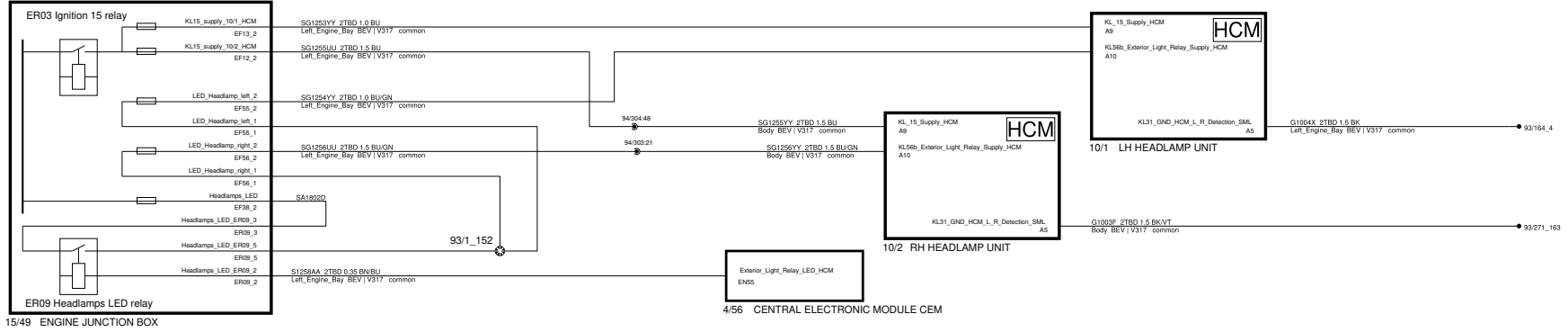
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Edited  
April/18/2023

Issue  
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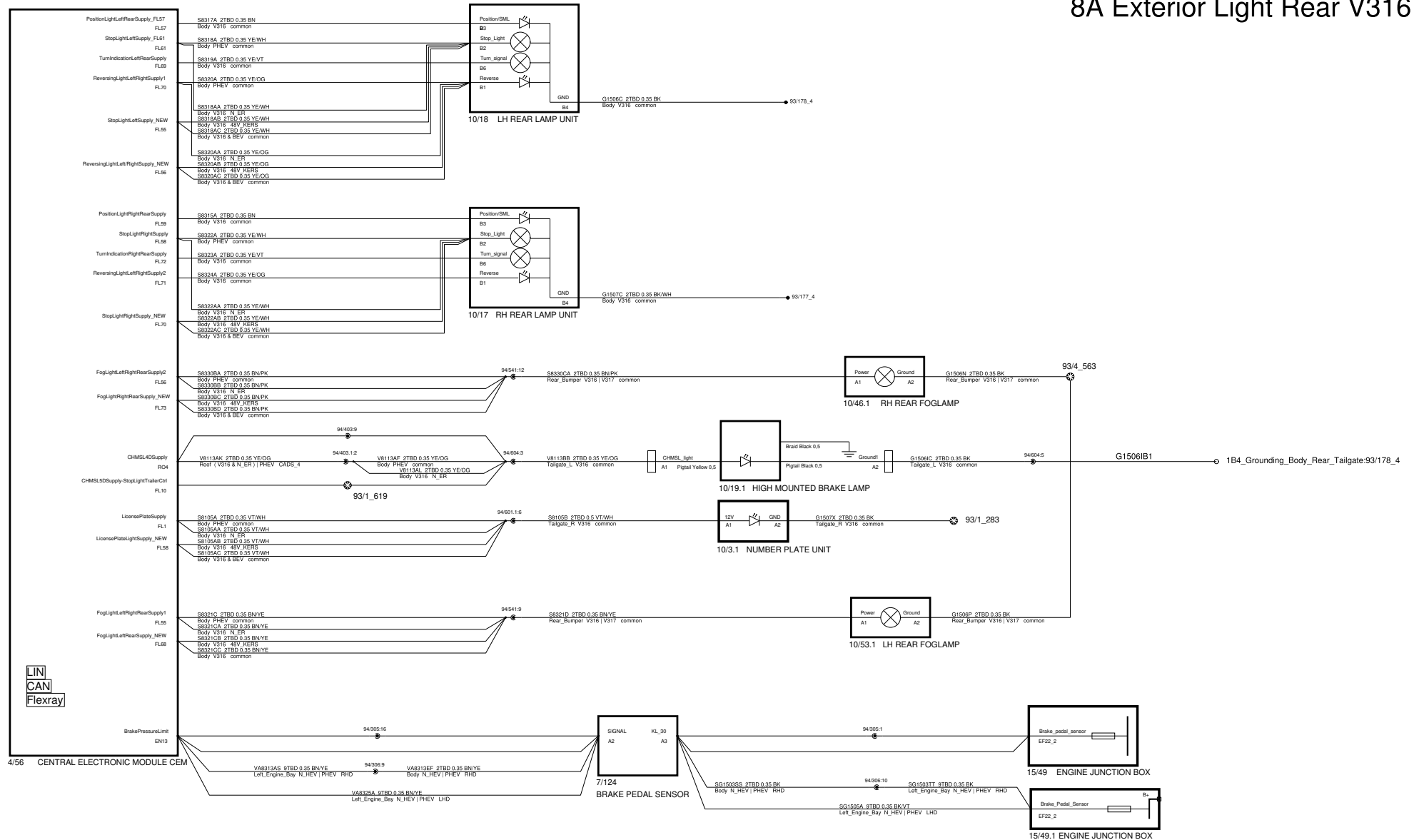
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# 8A Exterior Light LED Front



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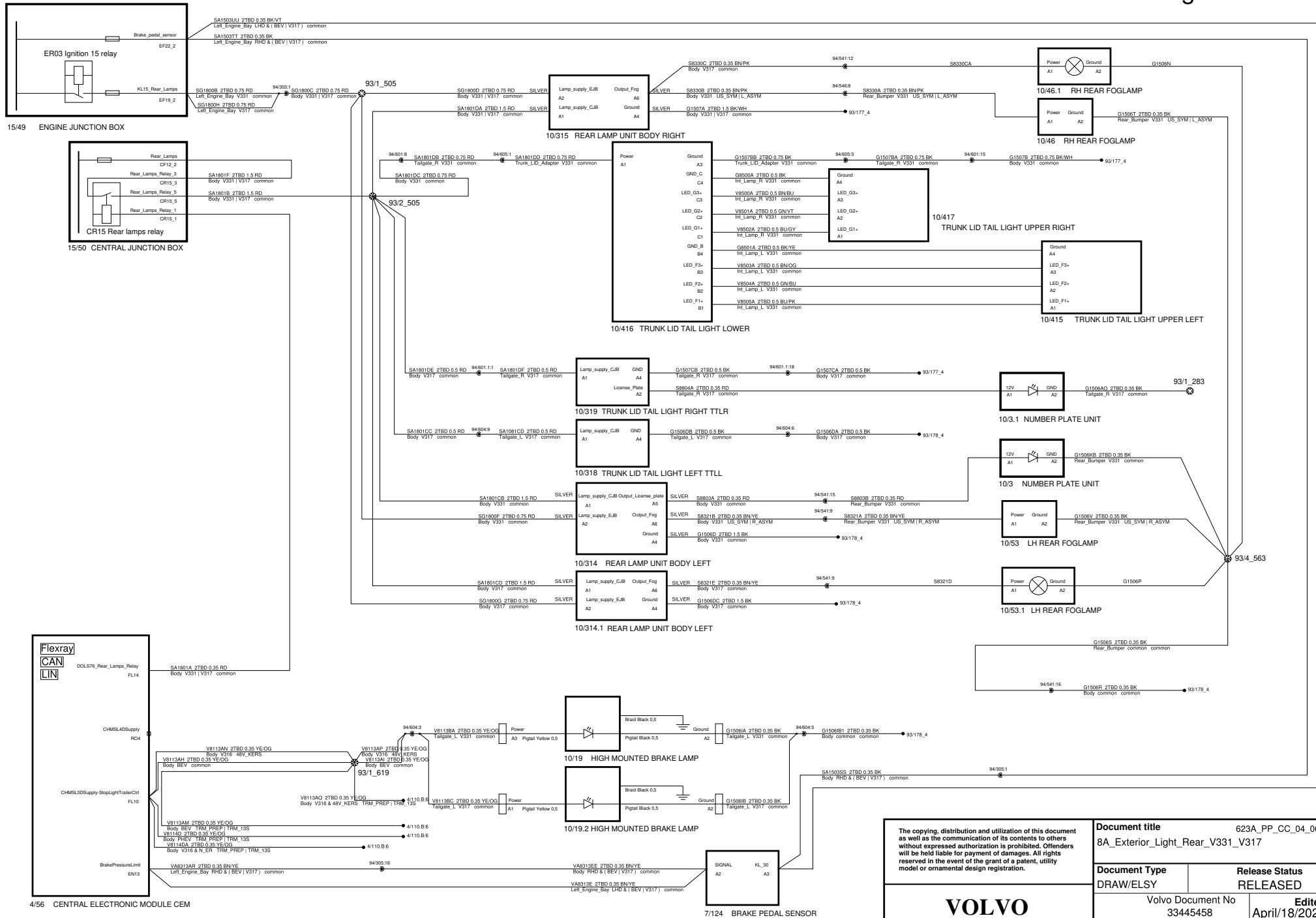
# 8A Exterior Light Rear V316



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		<p><b>Document Type</b> DRAW/ELSY</p>	<p><b>Release Status</b> RELEASED</p>
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# 8A Exterior Light Rear V331



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<p>Issue 035</p>		<p>Page No 128/146</p>	

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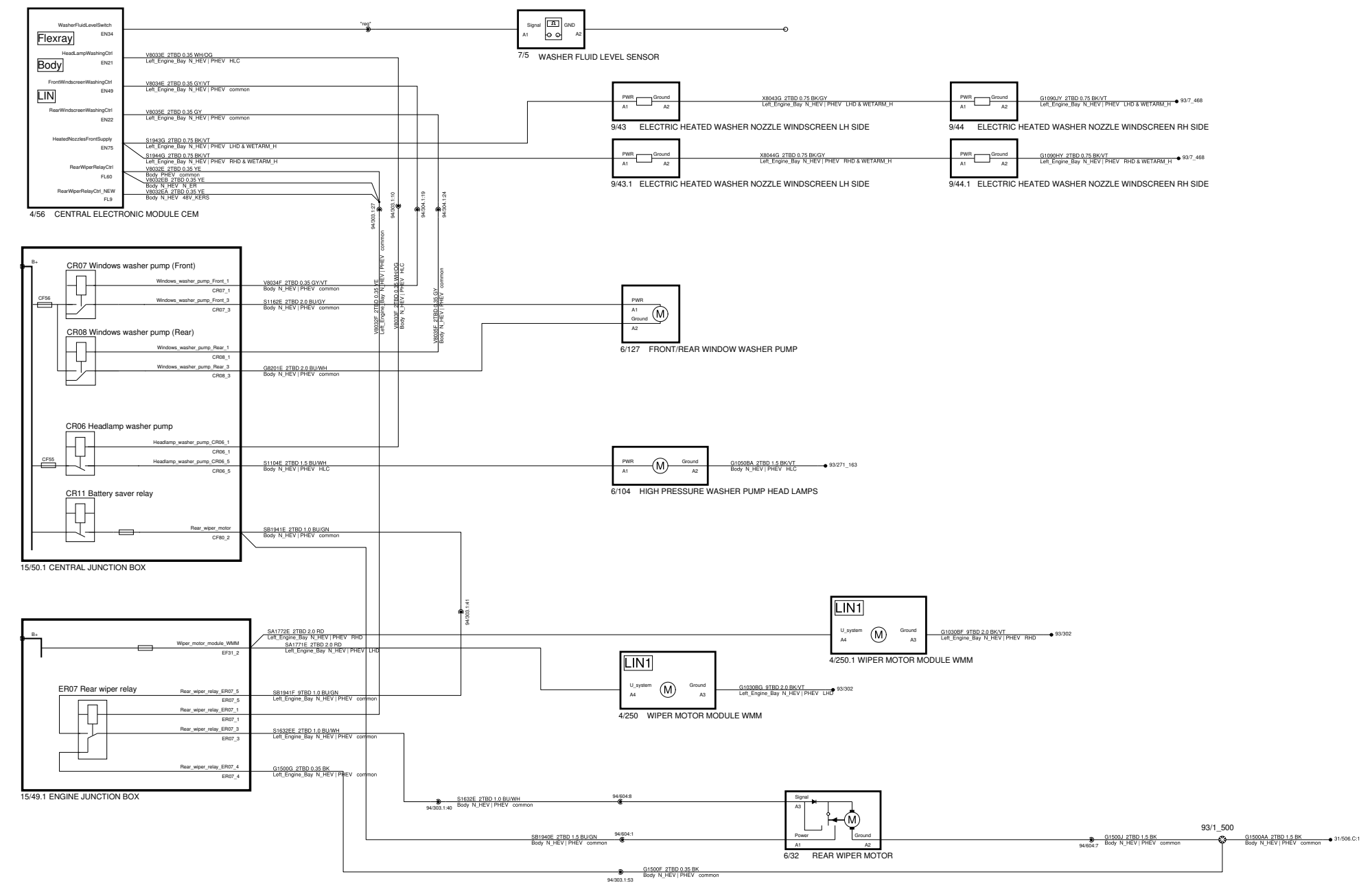
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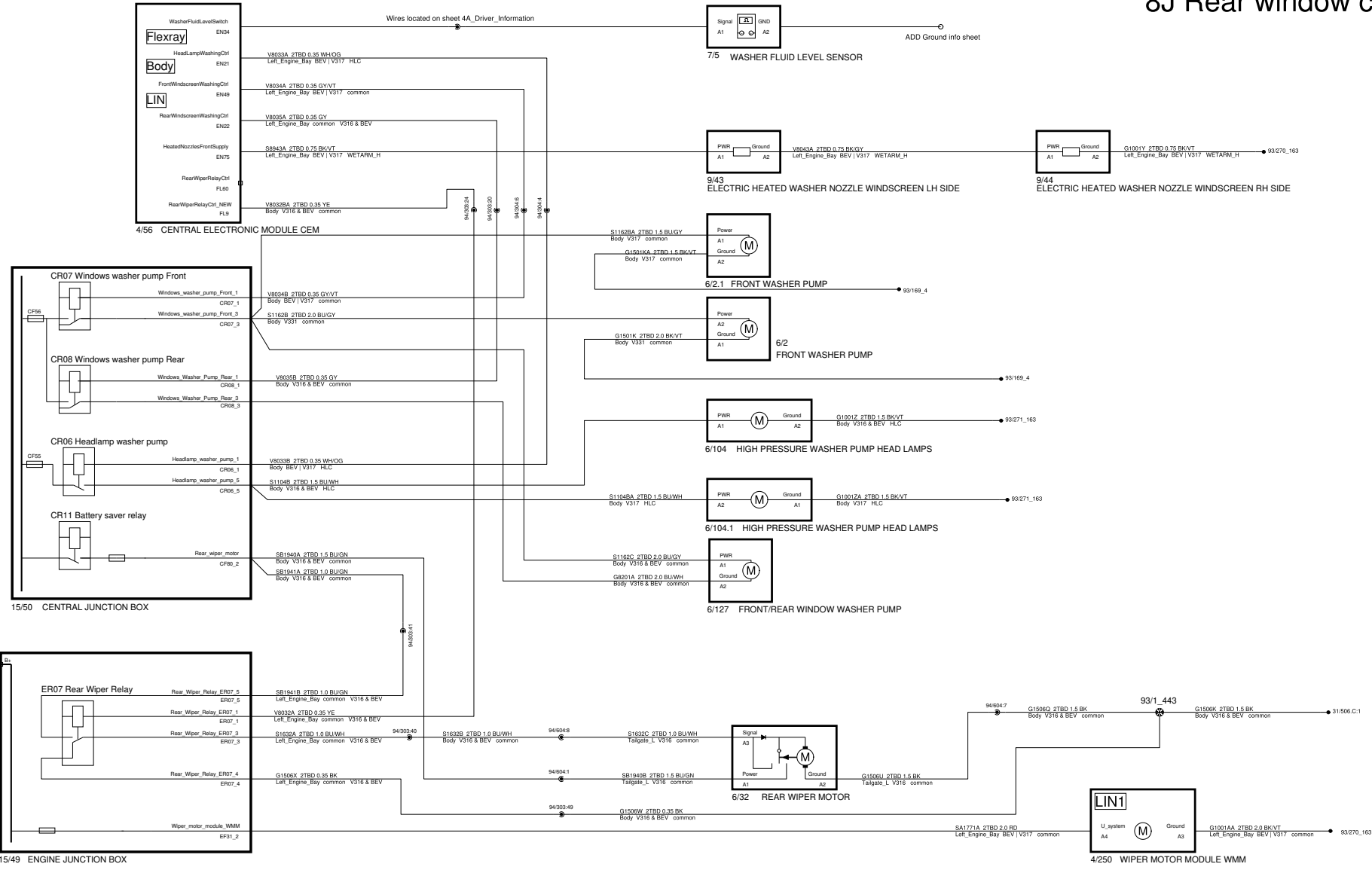
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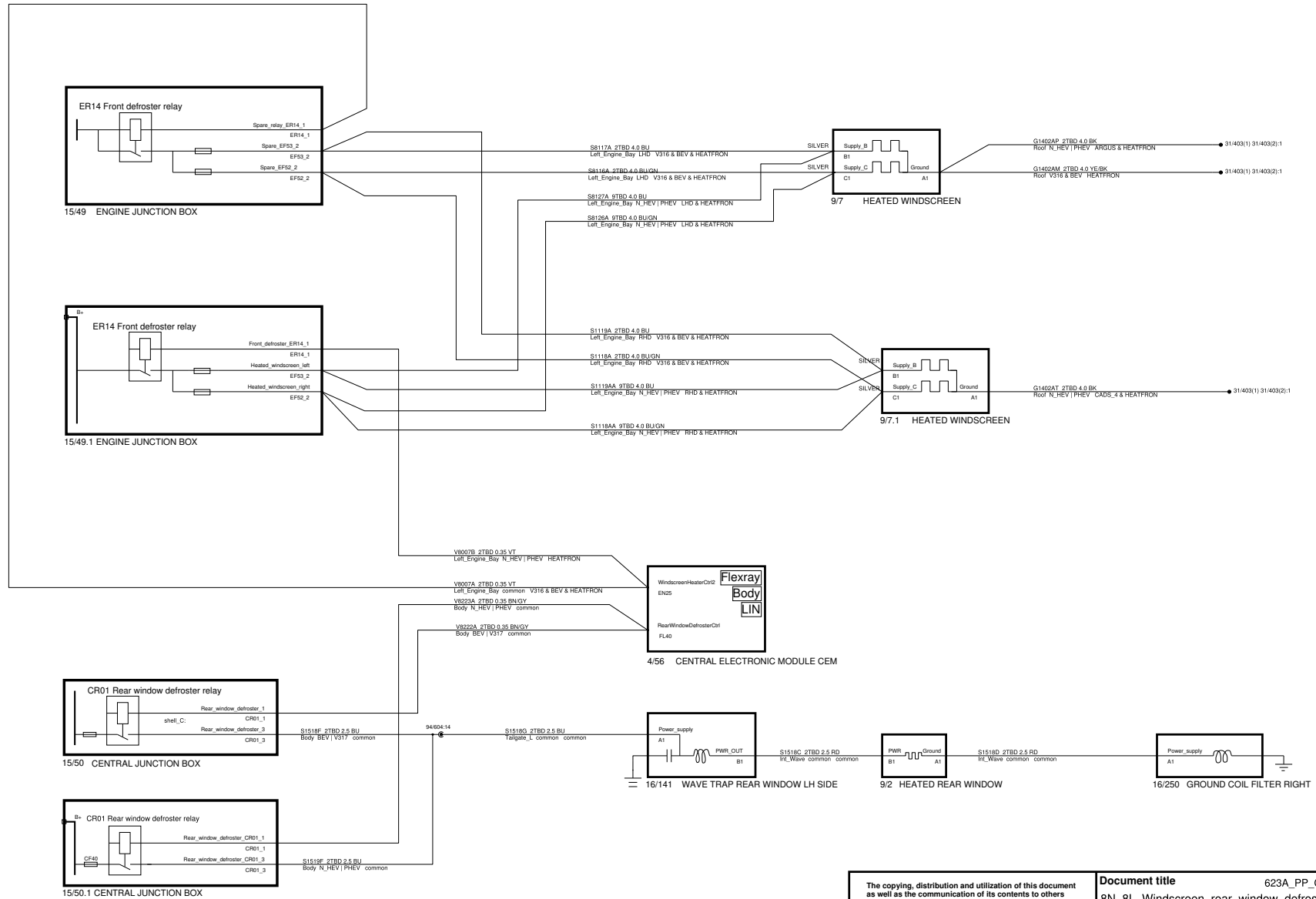


# 8K Lamp cleaning control 8H Windscreen cleaning control 8J Rear window cleaning



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<p><b>VOLVO</b> VOLVO CAR CORPORATION</p>		<p>Volvo Document No 33445458</p>	<p>Edited April/18/2023</p>
		<p>Issue 035</p>	<p>Page No 129/146</p>

# 8N Windscreen defroster control 8L Rear window defroster control

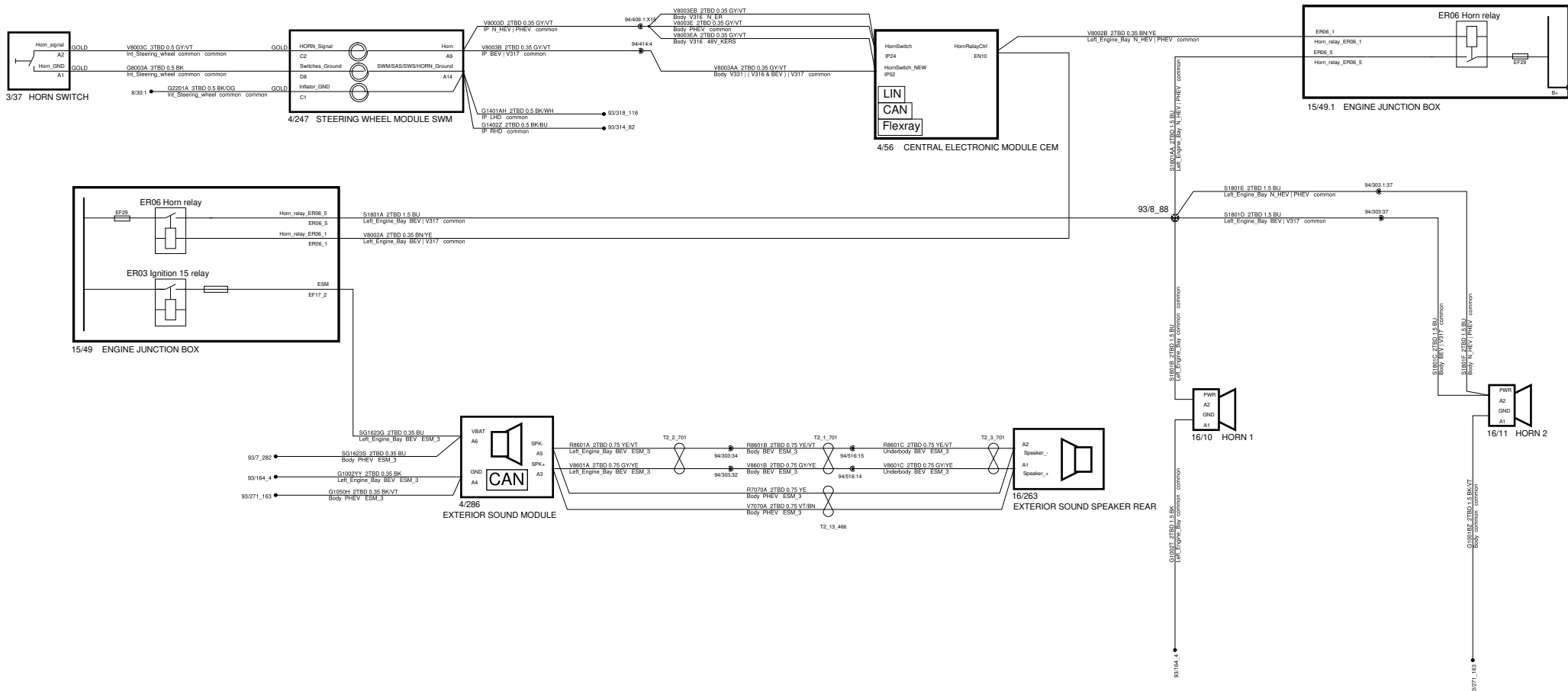


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<b>Issue</b> 035		<b>Page No</b> 131/146	

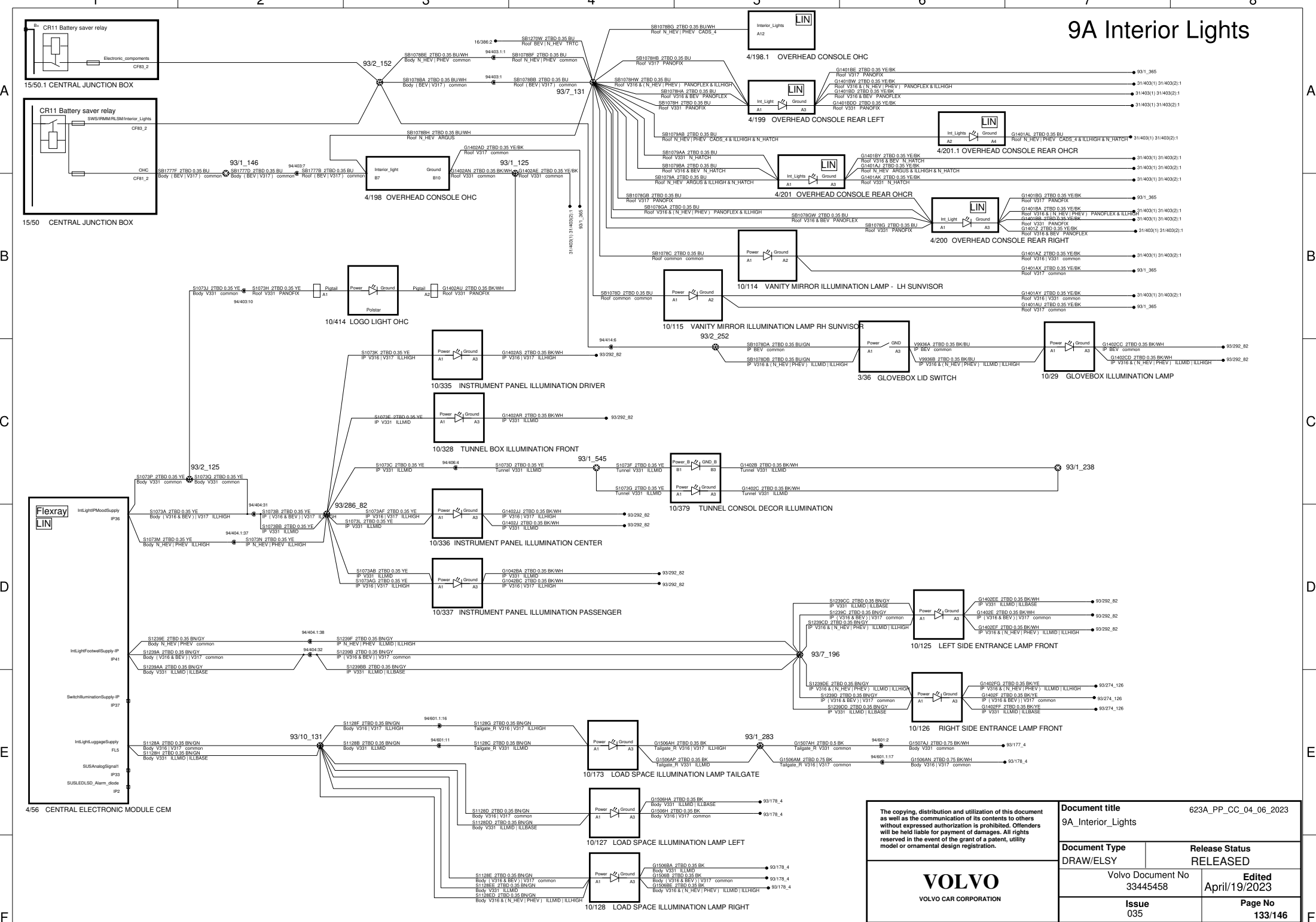
# 8P Sound Signaling



<b>VOLVO</b> VOLVO CAR CORPORATION	<b>Document title</b> 8P_Sound_signaling		623A_PP_CC_04_06_2023
	<b>Document Type</b> DRAW/ELSY		<b>Release Status</b> RELEASED
	Volvo Document No 33445458		Edited April/18/2023
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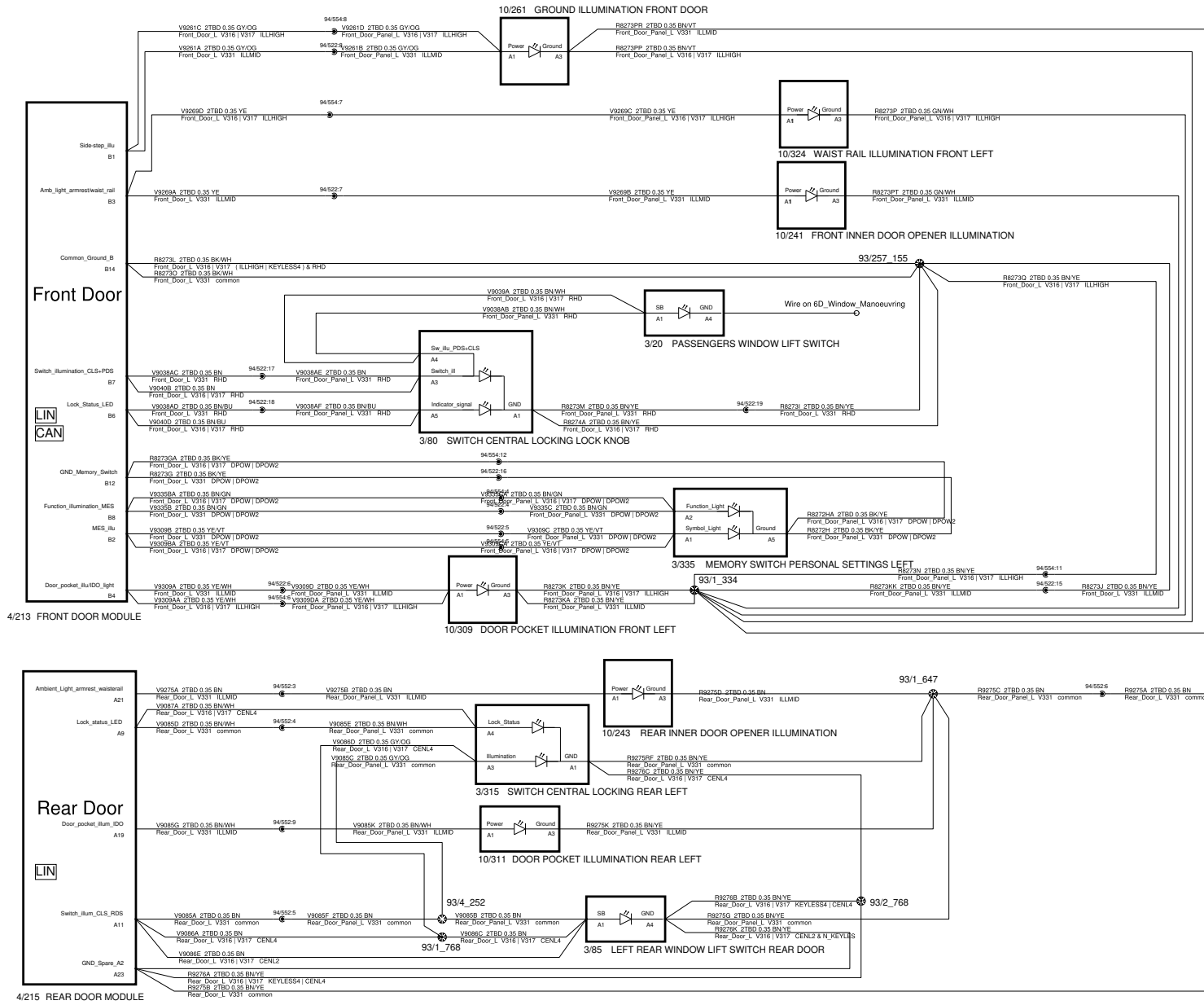
# 9A Interior Lights



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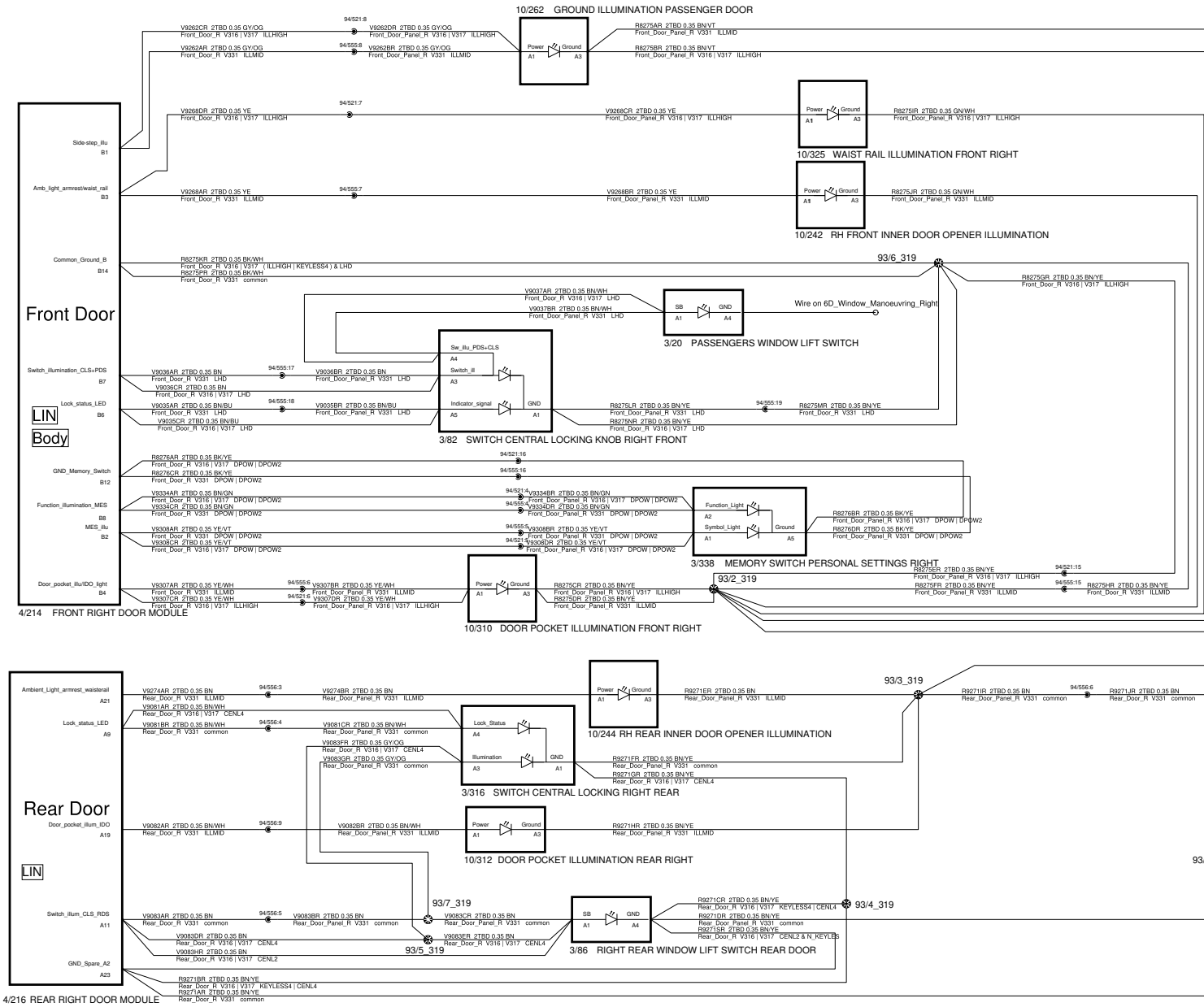


# 9A Interior Lights Doors



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<p><b>VOLVO</b> VOLVO CAR CORPORATION</p>		<p>Volvo Document No 33445458</p>	<p>Edited April/11/2023</p>		
		<p>Issue 035</p>	<p>Page No 134/146</p>		

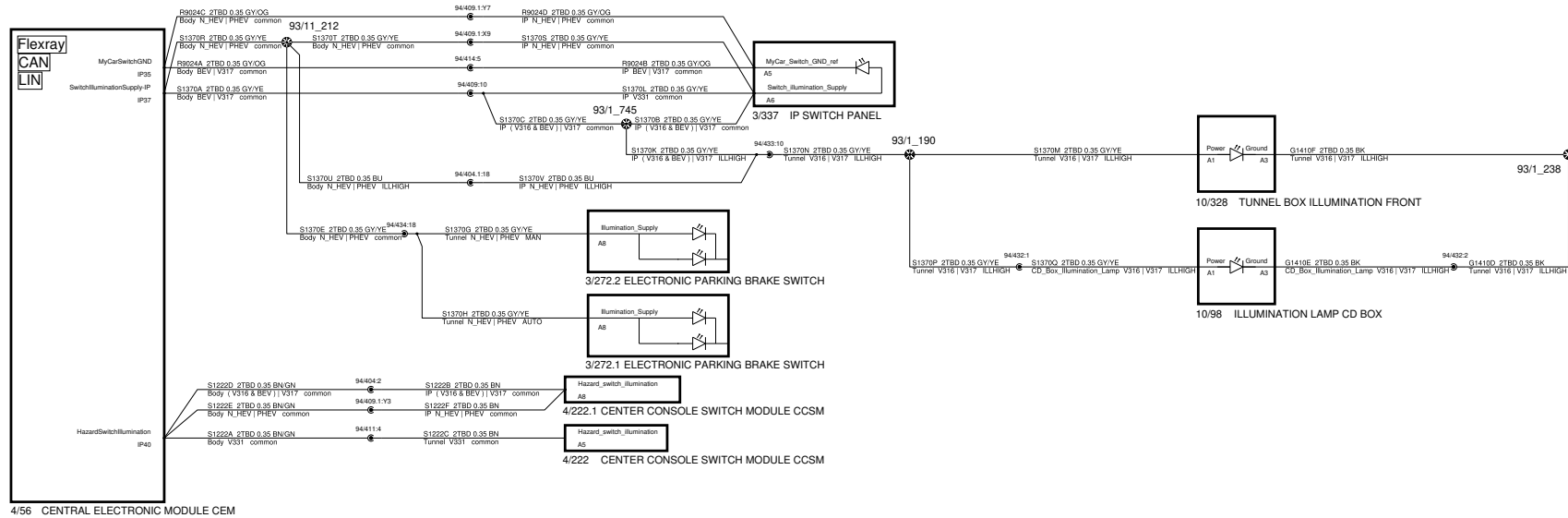
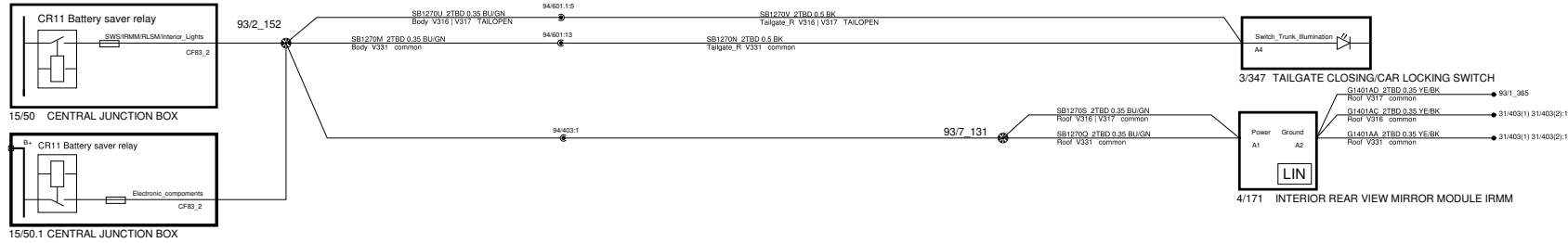
# 9A Interior Lights Doors Right



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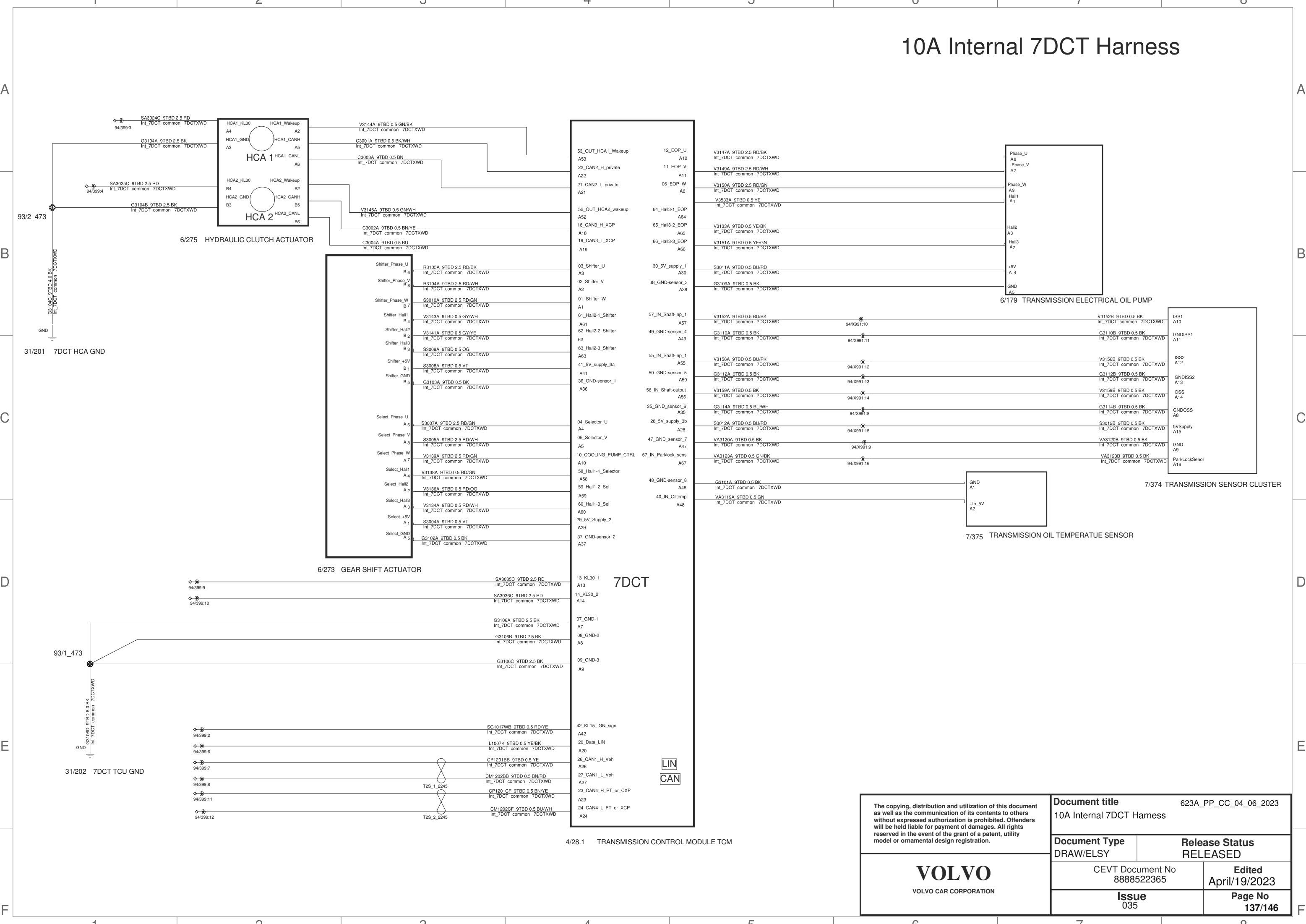


# 9H Instr/Control Switch Lighting



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# 10A Internal 7DCT Harness



4/28.1 TRANSMISSION CONTROL MODULE TCM

7/375 TRANSMISSION OIL TEMPERATUE SENSOR

7/774 TRANSMISSION SENSOR CLUSTER

6/179 TRANSMISSION ELECTRICAL OIL PUMP

6/275 HYDRAULIC CLUTCH ACTUATOR

6/273 GEAR SHIFT ACTUATOR

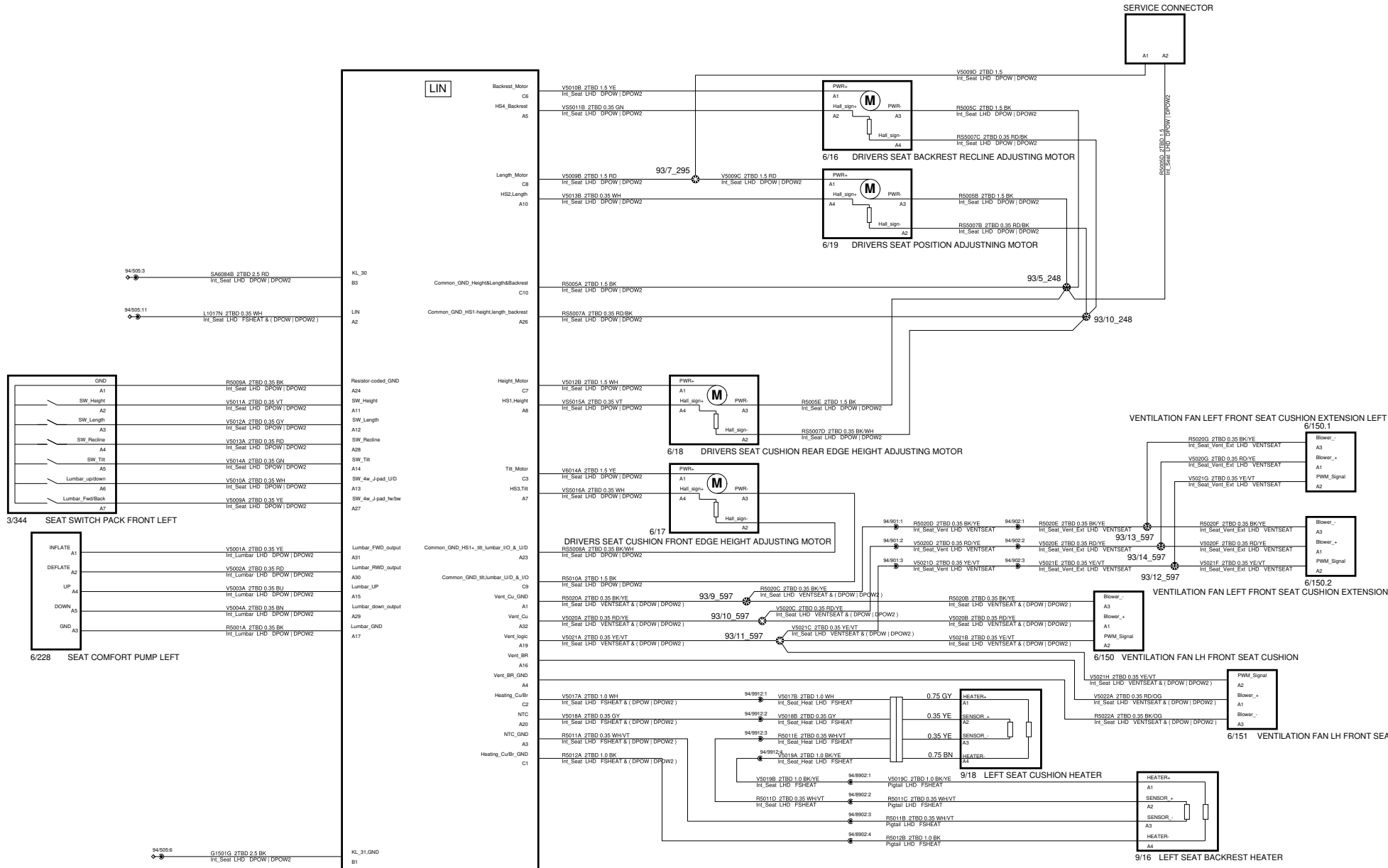
7DCT

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<p>CEVT Document No 8888522365</p>		<p><b>Edited</b> April/19/2023</p>	
<p><b>Issue</b> 035</p>		<p><b>Page No</b> 137/146</p>	

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# 10A Driver Seat Internal Harness High LHD



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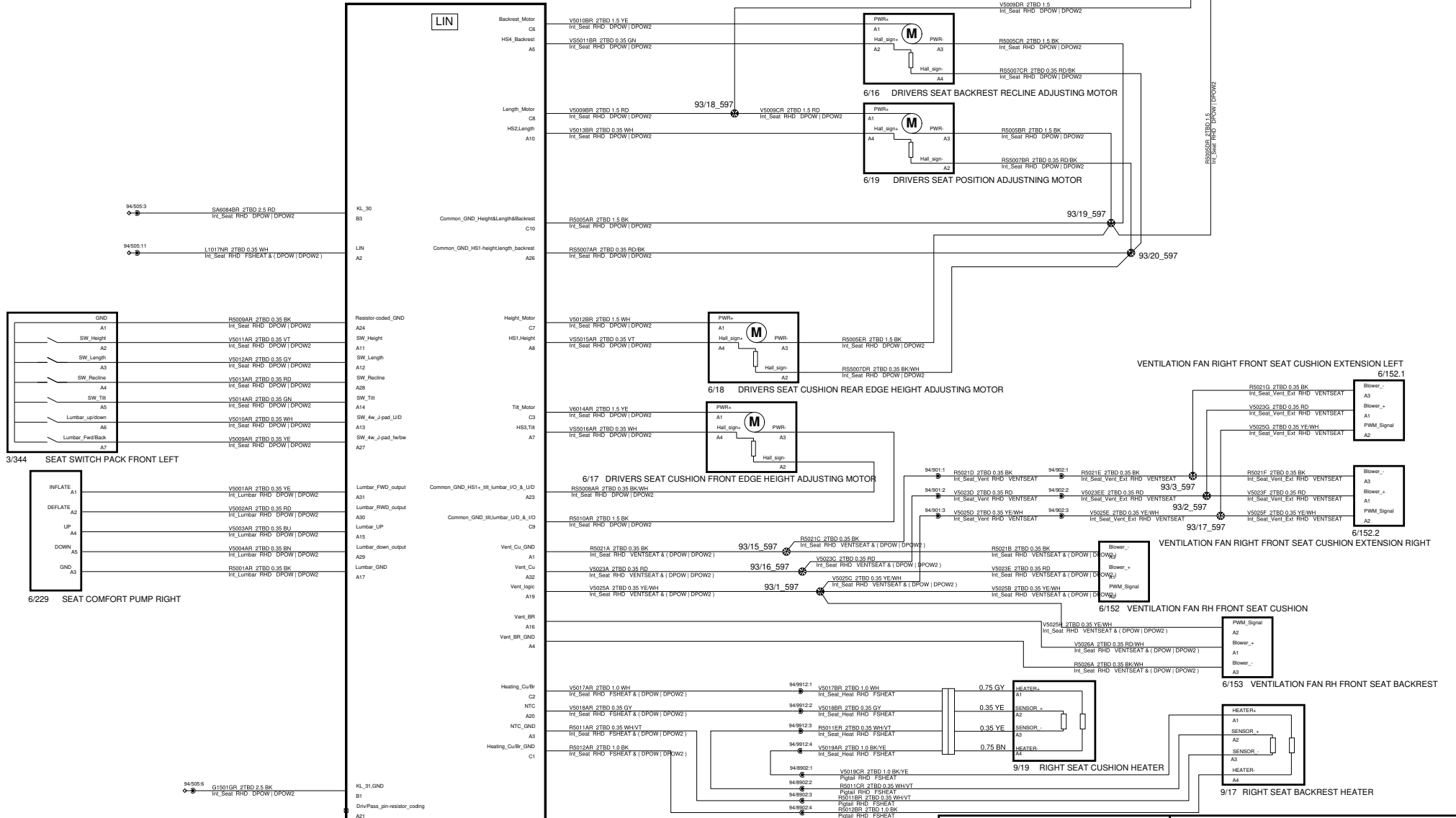
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**10A\_Driver\_Seat\_Internal\_Harness\_High\_LHD**

Document Type	Release Status
DRAW/ELSY	RELEASED
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# 10A Driver Seat Internal Harness High RHD

SERVICE CONNECTOR



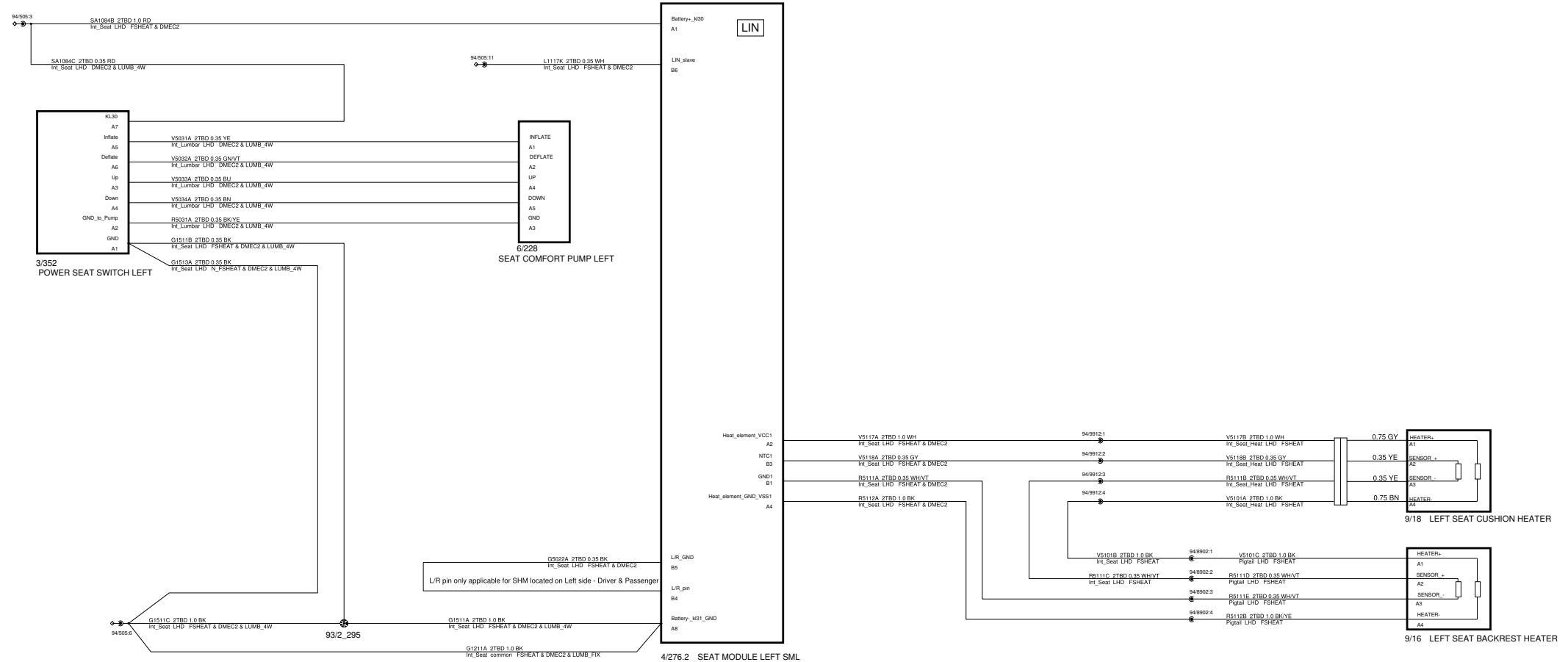
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<p><b>Issue</b> 035</p>		<p><b>Page No</b> 139/146</p>	

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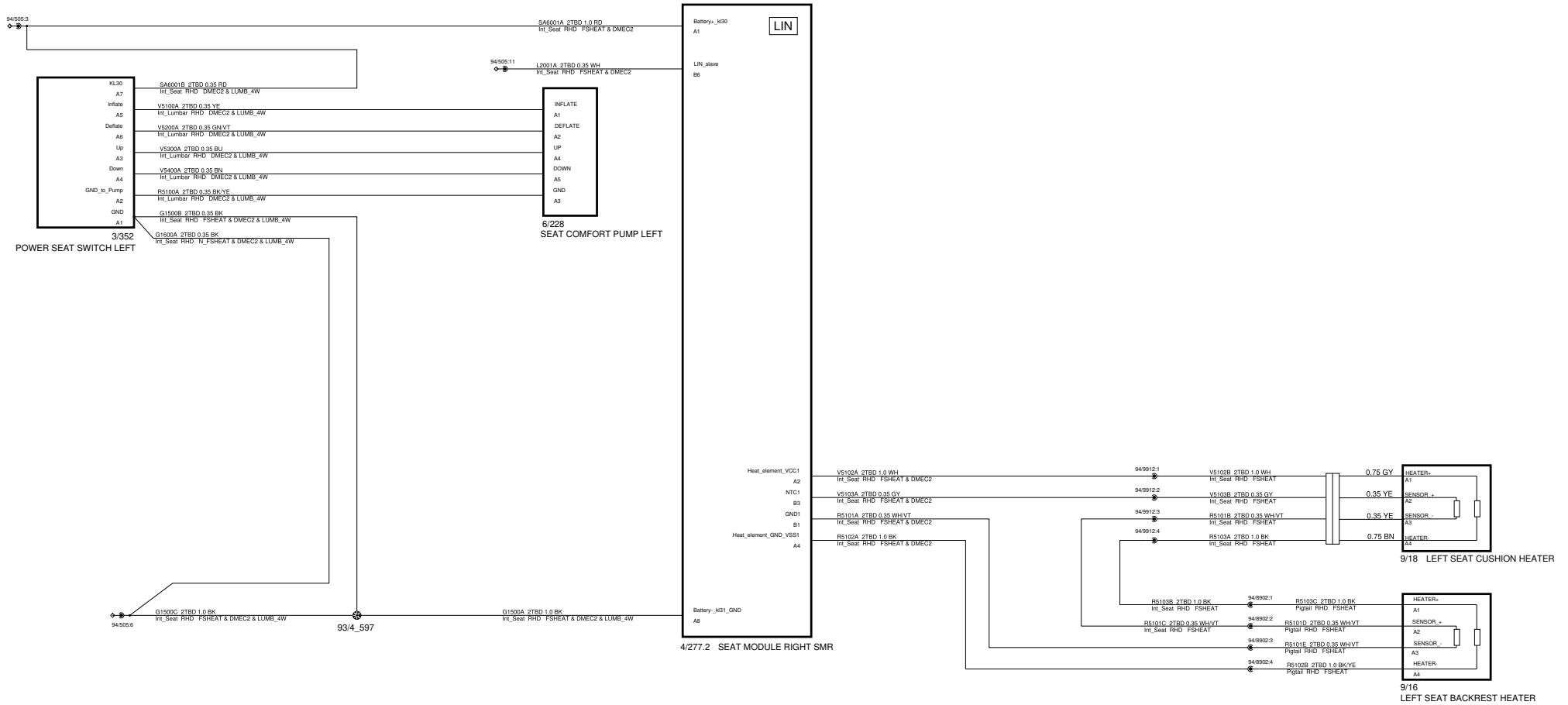
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# 10A Driver Seat Internal Harness Mech LHD



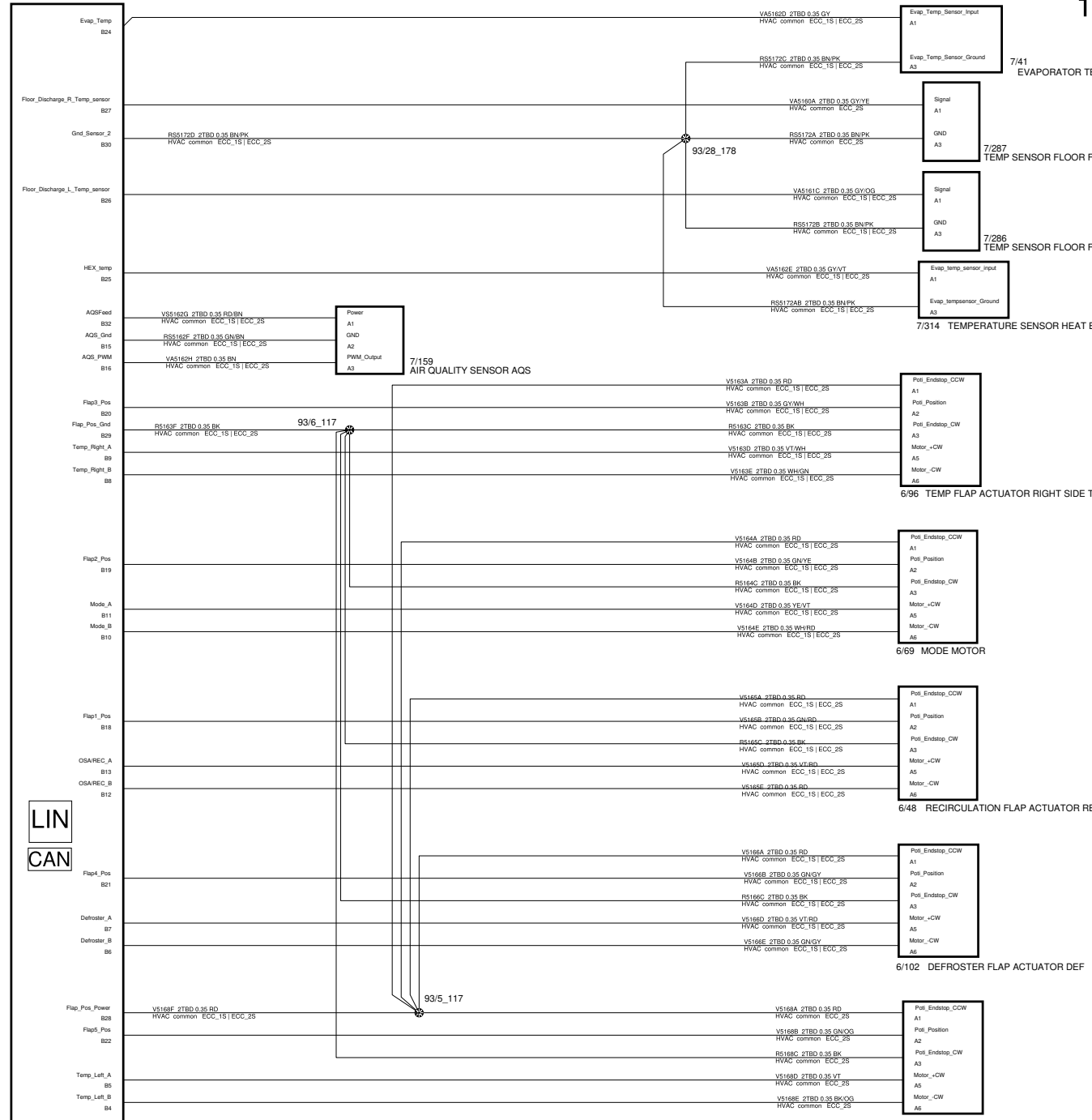
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	<b>Document Type</b> DRAW/ELSY	<b>Release Status</b> RELEASED
	Volvo Document No 33445458	<b>Edited</b> April/19/2023
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# 10A Driver Seat Internal Harness Mech RHD



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	<p><b>Issue</b> 035</p>	<p><b>Page No</b> 141/146</p>

# 10A Interior HVAC harness 2 ZONEs ECC



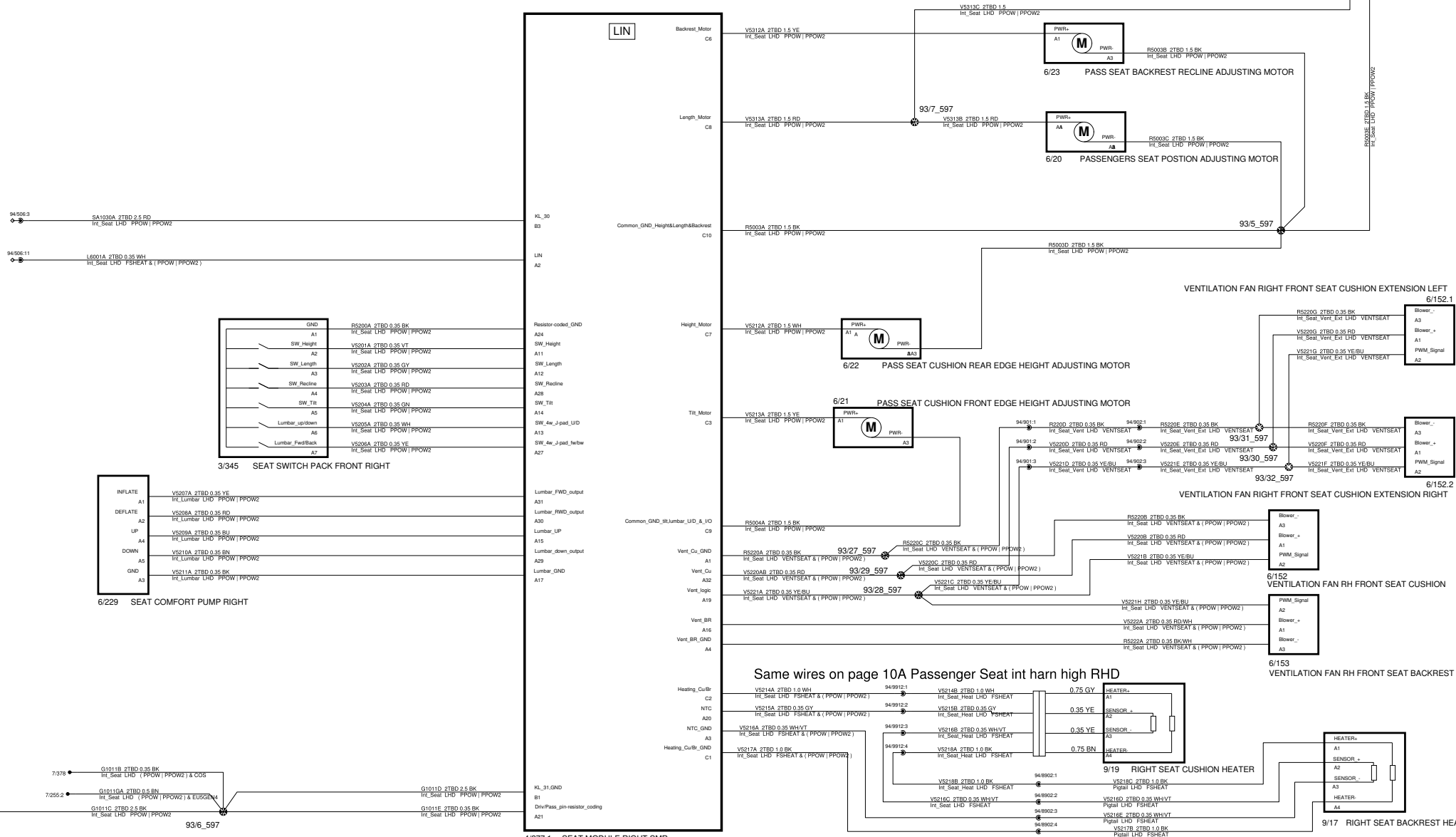
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<p><b>VOLVO</b> VOLVO CAR CORPORATION</p>		Volvo Document No 33445458	<b>Edited</b> June/16/2021
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4/154 CLIMATE CONTROL MODULE CCM

6/95 TEMP FLAP ACTUATOR LEFT SIDE TMPL/EATC

# 10A Passenger Seat Internal Harness High LHD

SERVICE CONNECTOR

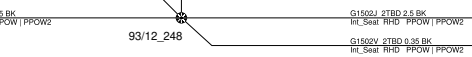
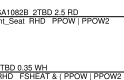
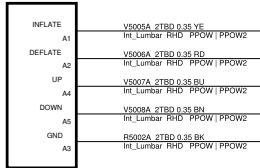
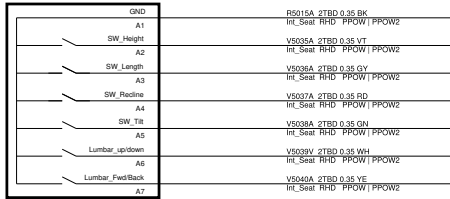
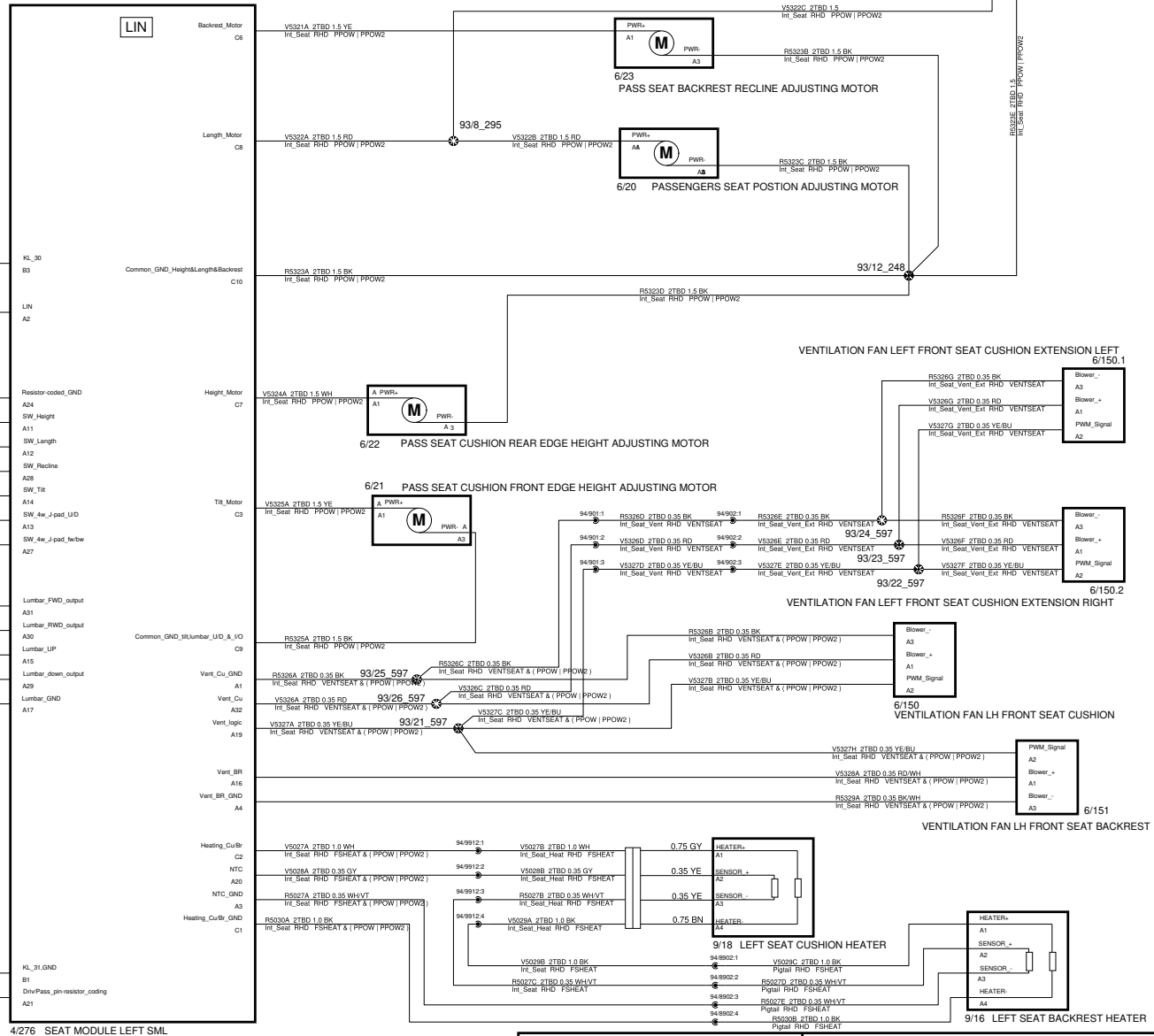


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# 10A Passenger Seat Internal Harness High RHD

SERVICE CONNECTOR



4/276 SEAT MODULE LEFT SML

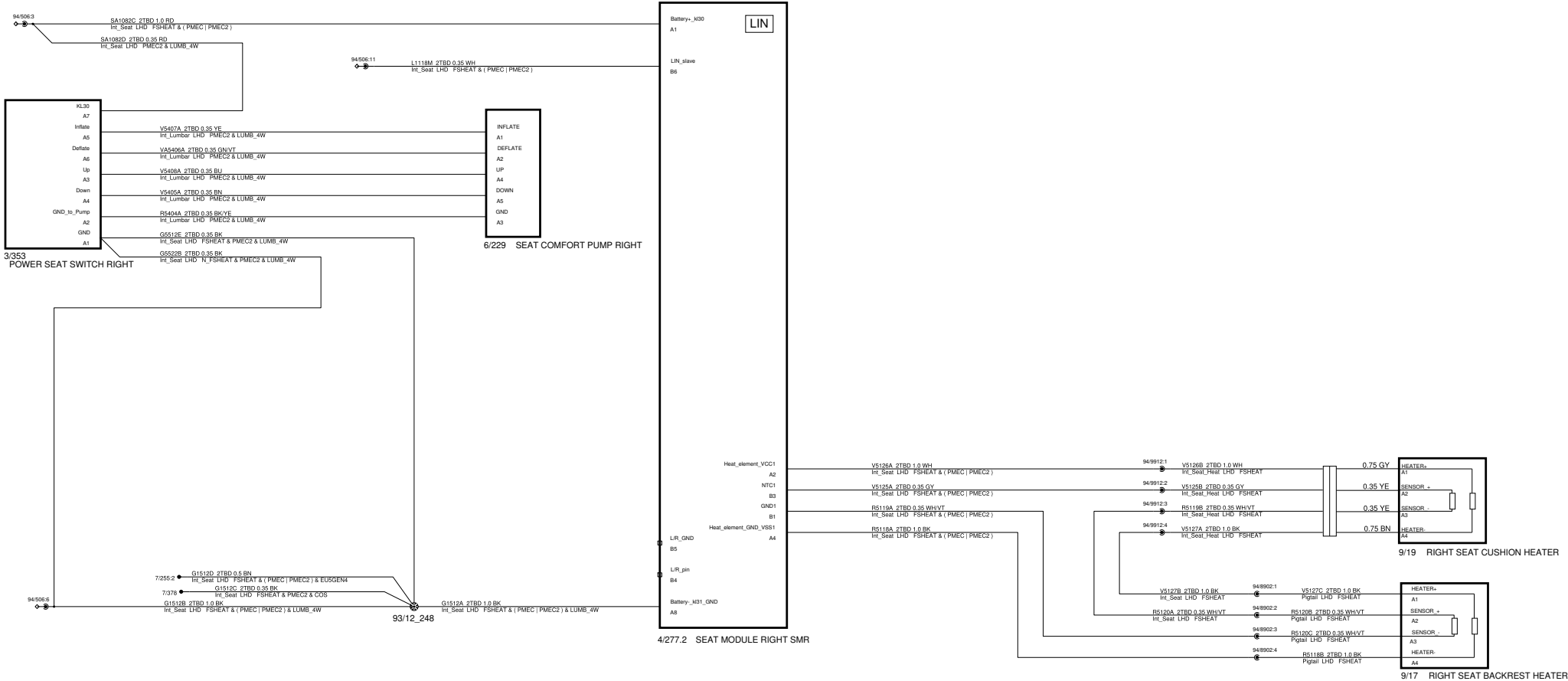
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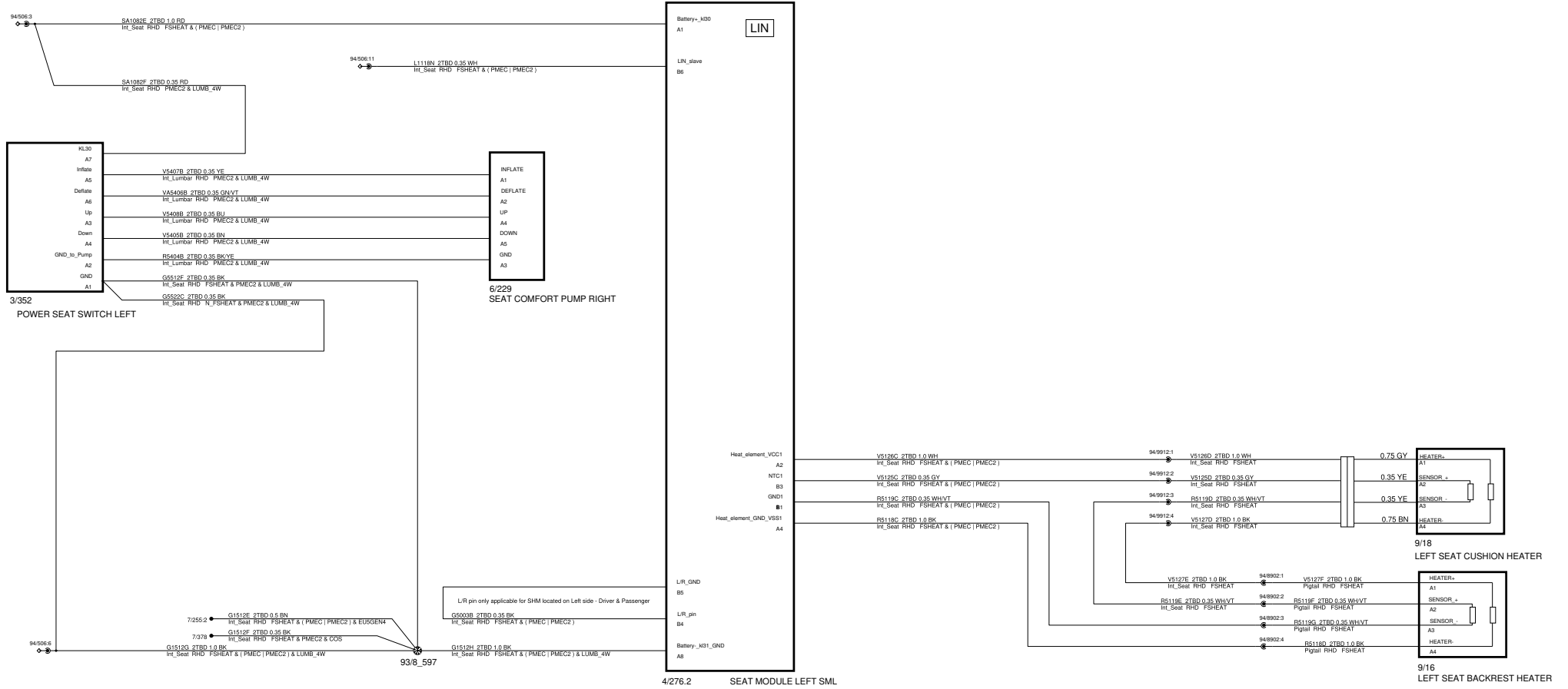
Document Type	Release Status
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# 10A Passenger Seat Internal Harness Mech LHD



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# 10A Passenger Seat Internal Harness Mech RHD



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