

TESLA

PROJECT NAME:	PHASE:
2014 Model S Wiring: RHD	SOP3
SHEET NAME:	
Audio Wiring - Premium, Base Level Comp	
ITEM NO:	REVISION:
XXXXXXXX-XX-X	1.3
DATE:	DATE:
8/13/2014	8/13/2014
DO NOT SCALE DRAWING	SHEET 3.1

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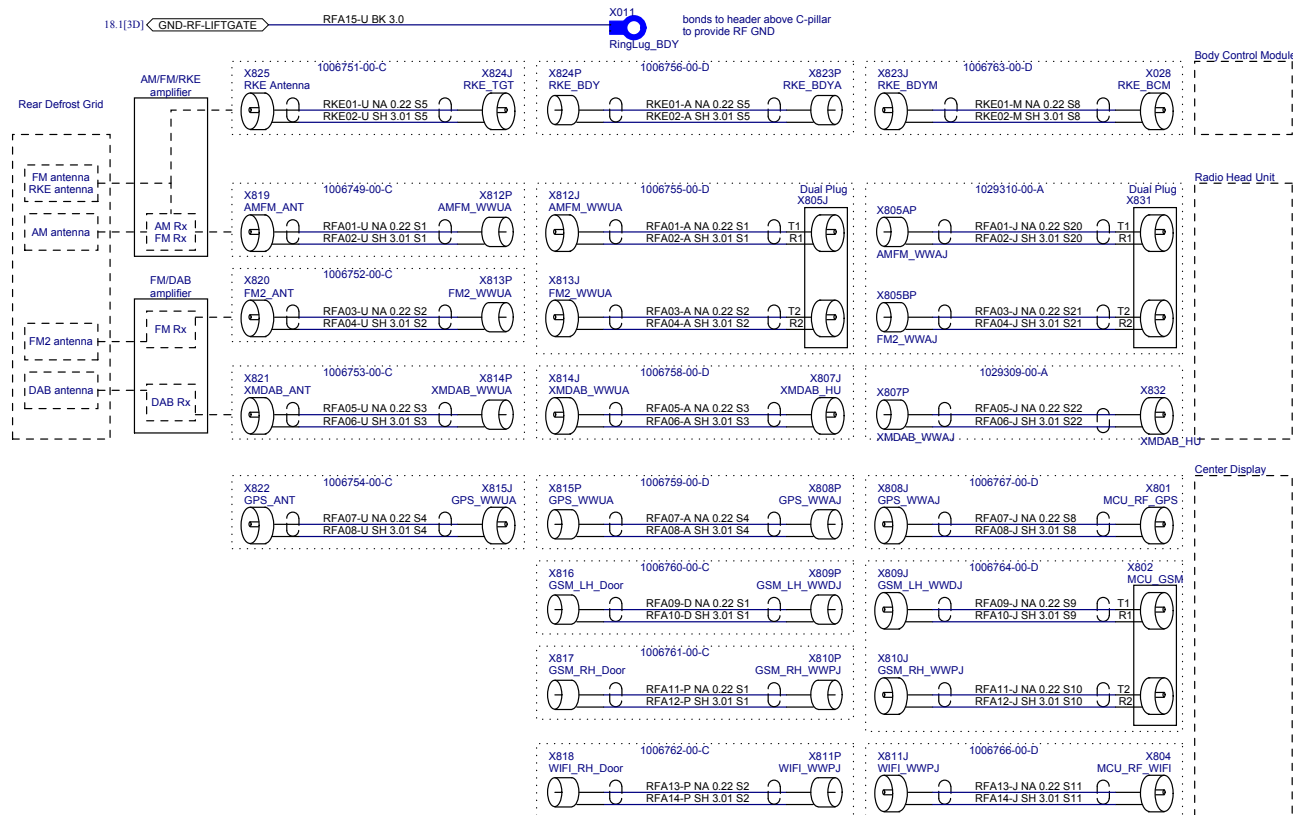
TESLA

PROJECT NAME: 2014 Model S Wiring: RHD PHASE: SOP3

SHEET NAME: Antenna Connections

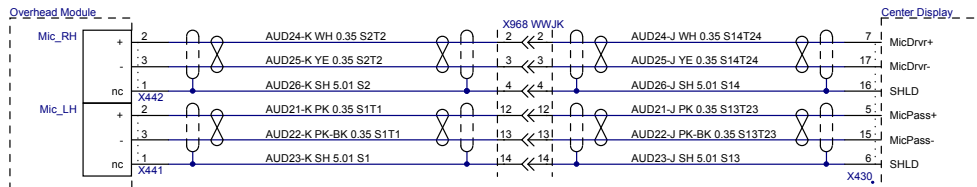
ITEM NO: XXXXXX-XX-X REVISION: 1.3 DATE: 7/2/2014

DO NOT SCALE DRAWING SHEET 5.1



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X430, X441, X442, X968 (1-6), X900 (17-21) UNSEALED shield terminations



TESLA

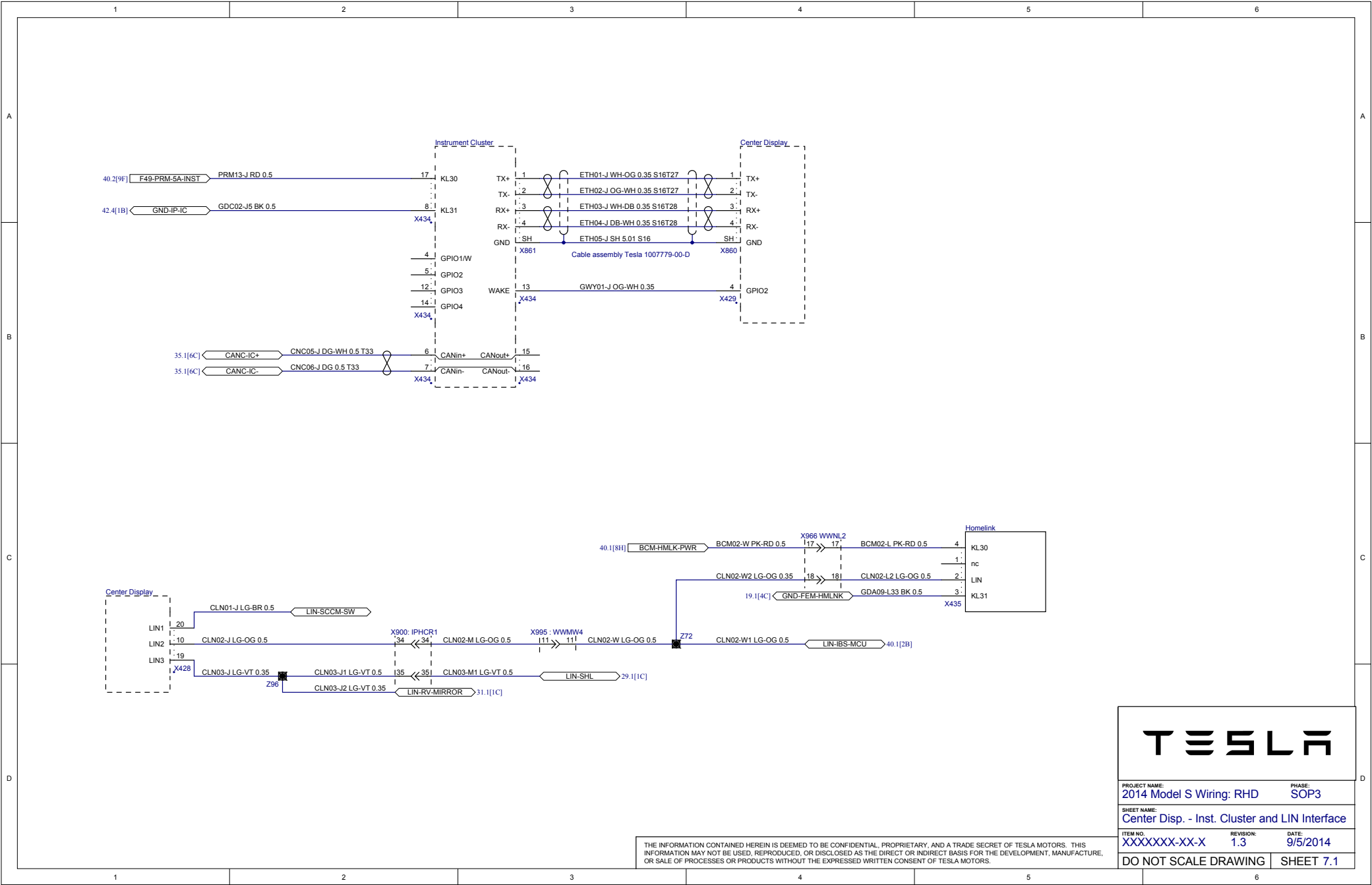
PROJECT NAME: 2014 Model S Wiring: RHD PHASE: SOP3

SHEET NAME: Center Display - Microphone and USB

ITEM NO: XXXXXXX-XX-X REVISION: 1.3 DATE: 5/28/2014

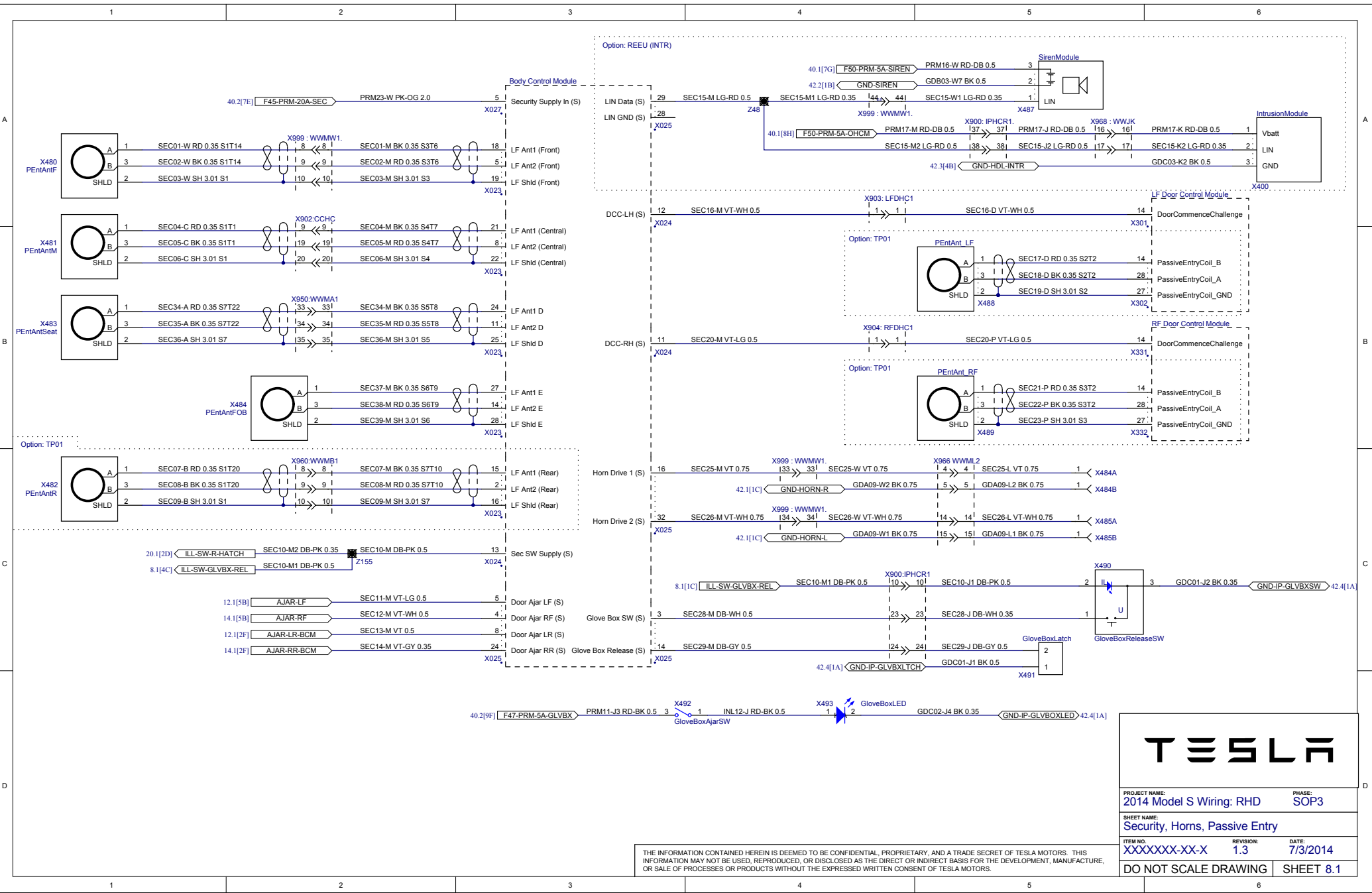
DO NOT SCALE DRAWING SHEET 6.1

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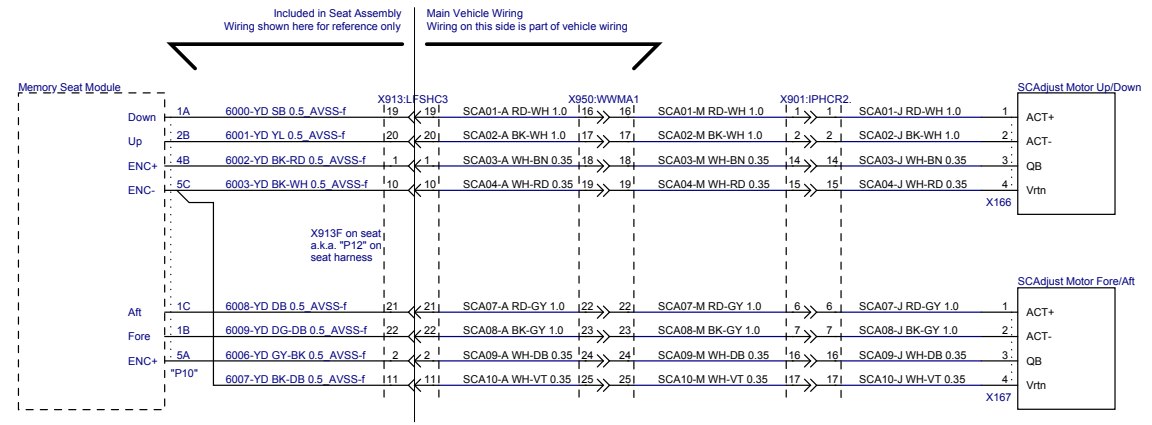
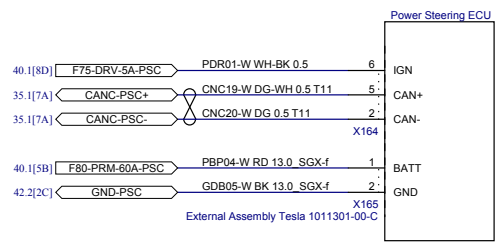
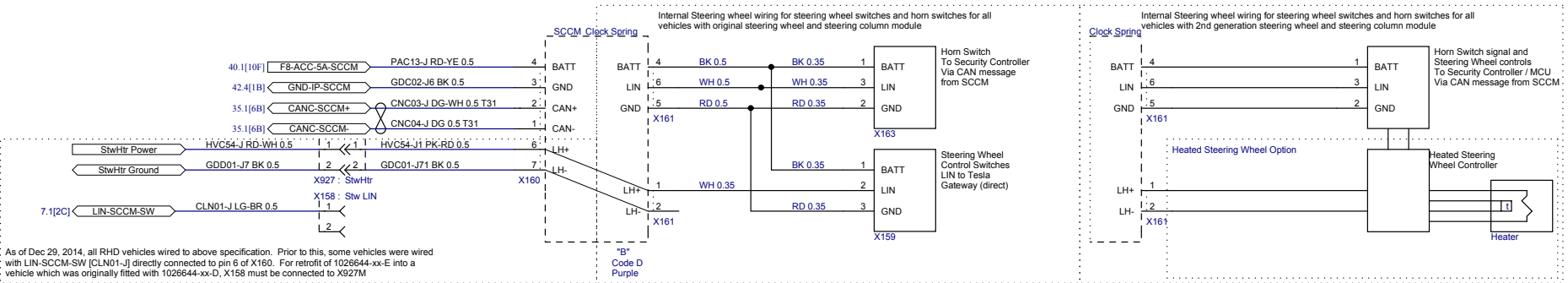
PROJECT NAME: 2014 Model S Wiring: RHD		PHASE: SOP3	
SHEET NAME: Center Disp. - Inst. Cluster and LIN Interface			
ITEM NO: XXXXXX-XX-X	REVISION: 1.3	DATE: 9/5/2014	
DO NOT SCALE DRAWING			SHEET 7.1

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PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Security, Horns, Passive Entry	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 7/3/2014	
DO NOT SCALE DRAWING	SHEET 8.1

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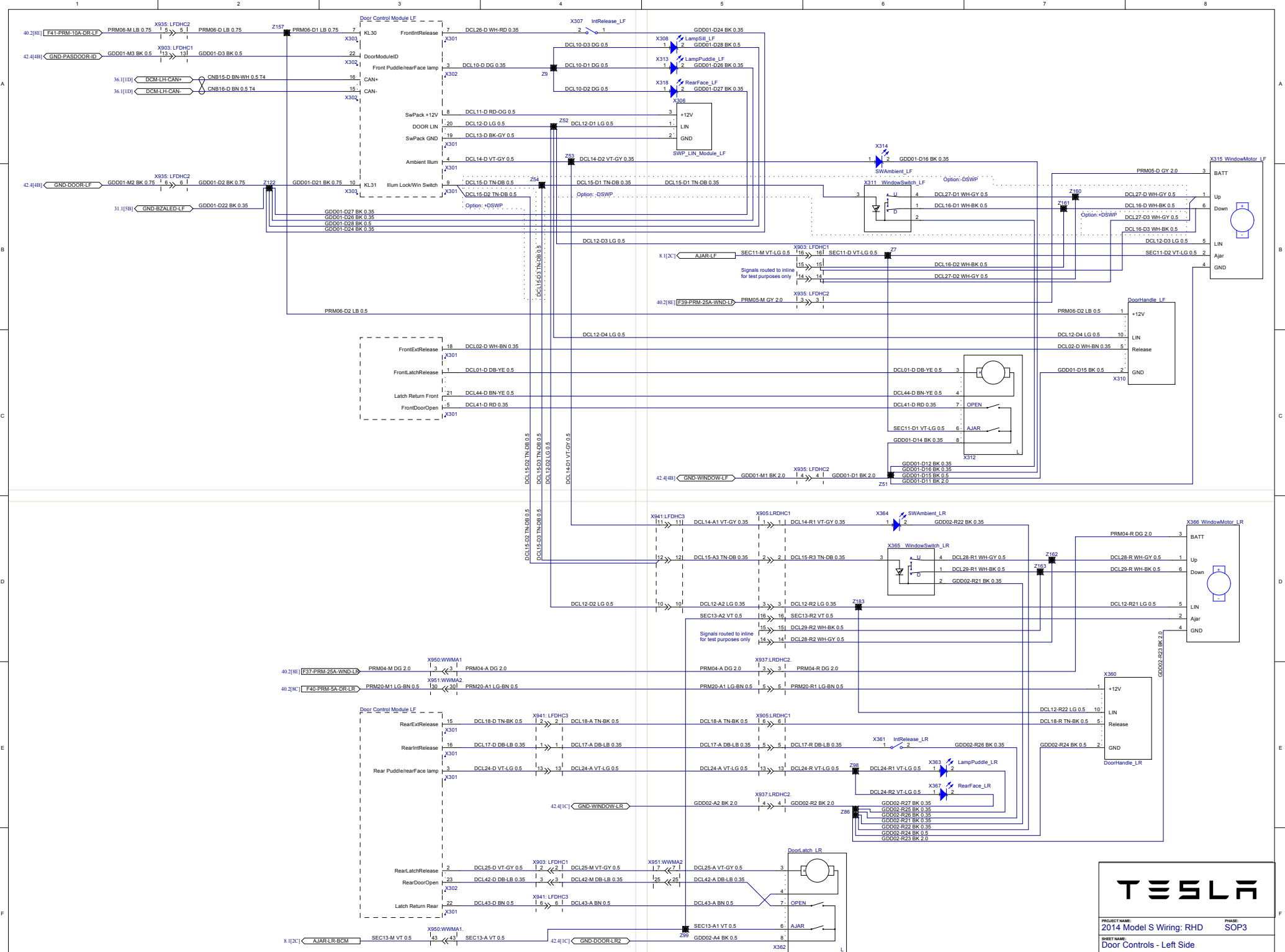
PROJECT NAME: 2014 Model S Wiring: RHD PHASE: SOP3

SHEET NAME: Chassis - Steering Wheel Controls / Power Steering

ITEM NO: XXXXXX-XX-X REVISION: 1.3 DATE: 1/5/2015

DO NOT SCALE DRAWING SHEET 10.1

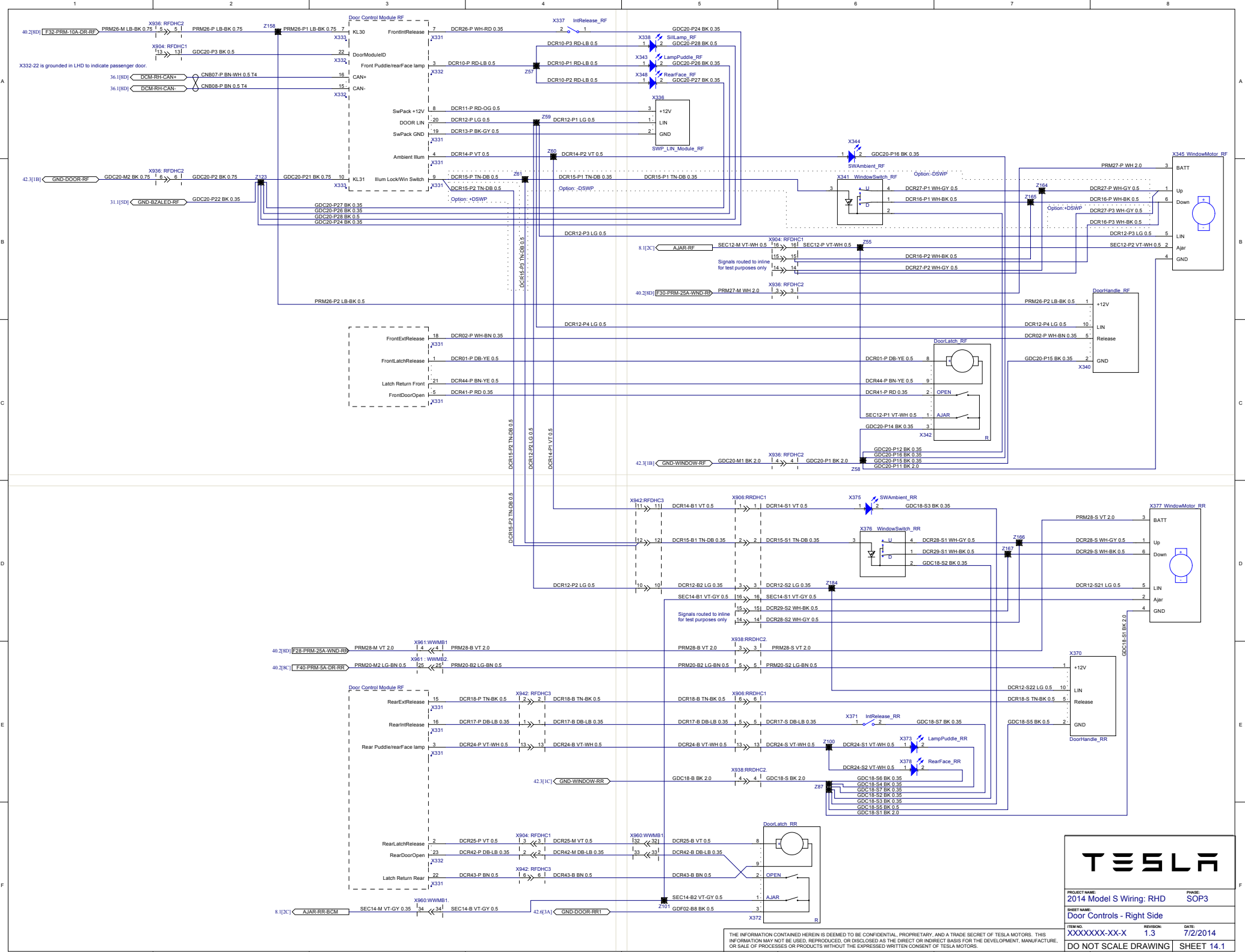
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PROJECT NAME:	2014 Model S Wiring: RHD	PHASE:	SOP3
SHEET NAME:	Door Controls - Left Side		
ITEM NO:	XXXXXX-XX-X	REVISION:	1.3
DATE:	7/2/2014		
DO NOT SCALE DRAWING		SHEET 12.1	

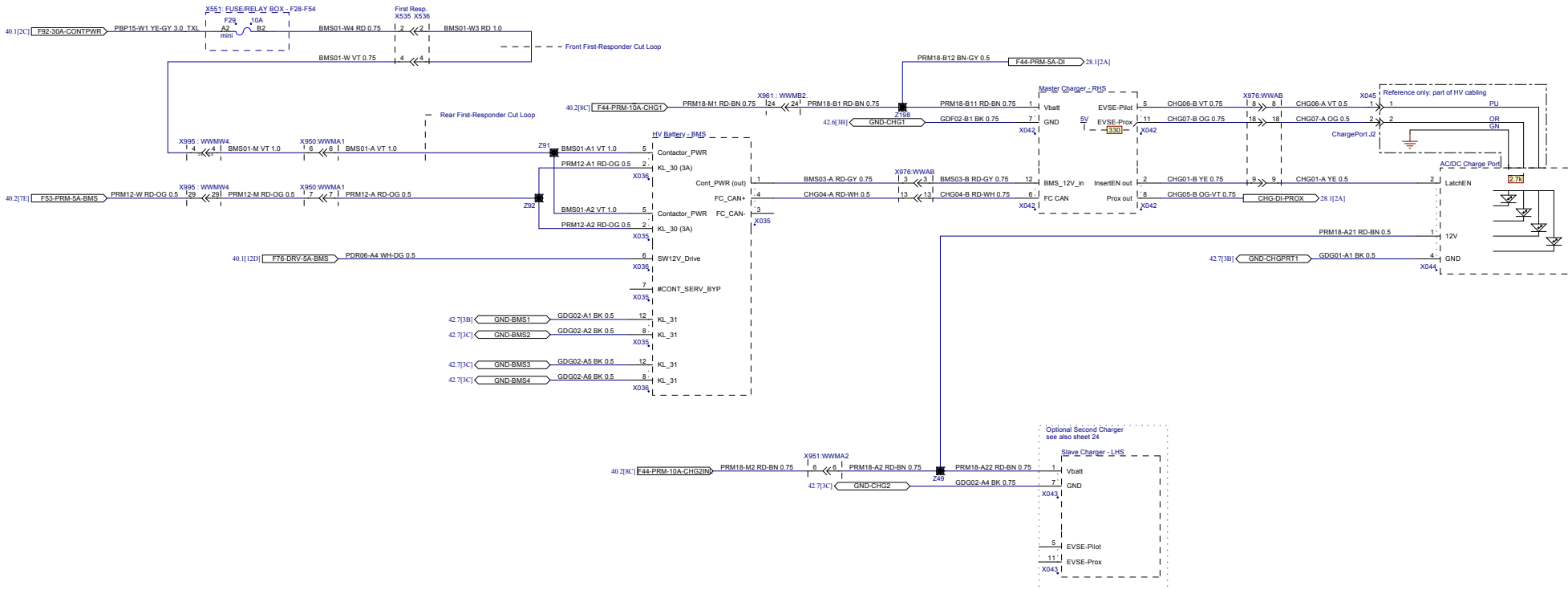
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PROJECT NAME: 2014 Model S - Right: RHD	PHASE: SOP3
SHEET NAME: Door Controls - Right Side	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 7/2/2014	
DO NOT SCALE DRAWING SHEET 14.1	

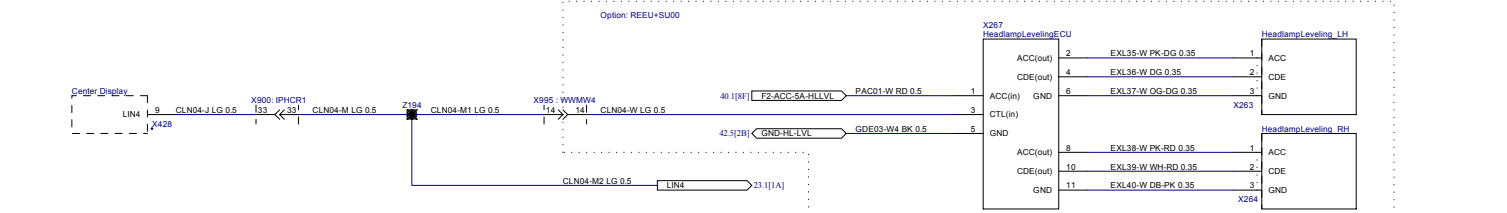
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PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Energy System - Charger Logic Connections	
ITEM NO: XXXXXXXX-XX-X	REVISION: 1.3
DATE: 9/5/2014	
DO NOT SCALE DRAWING SHEET 16.1	

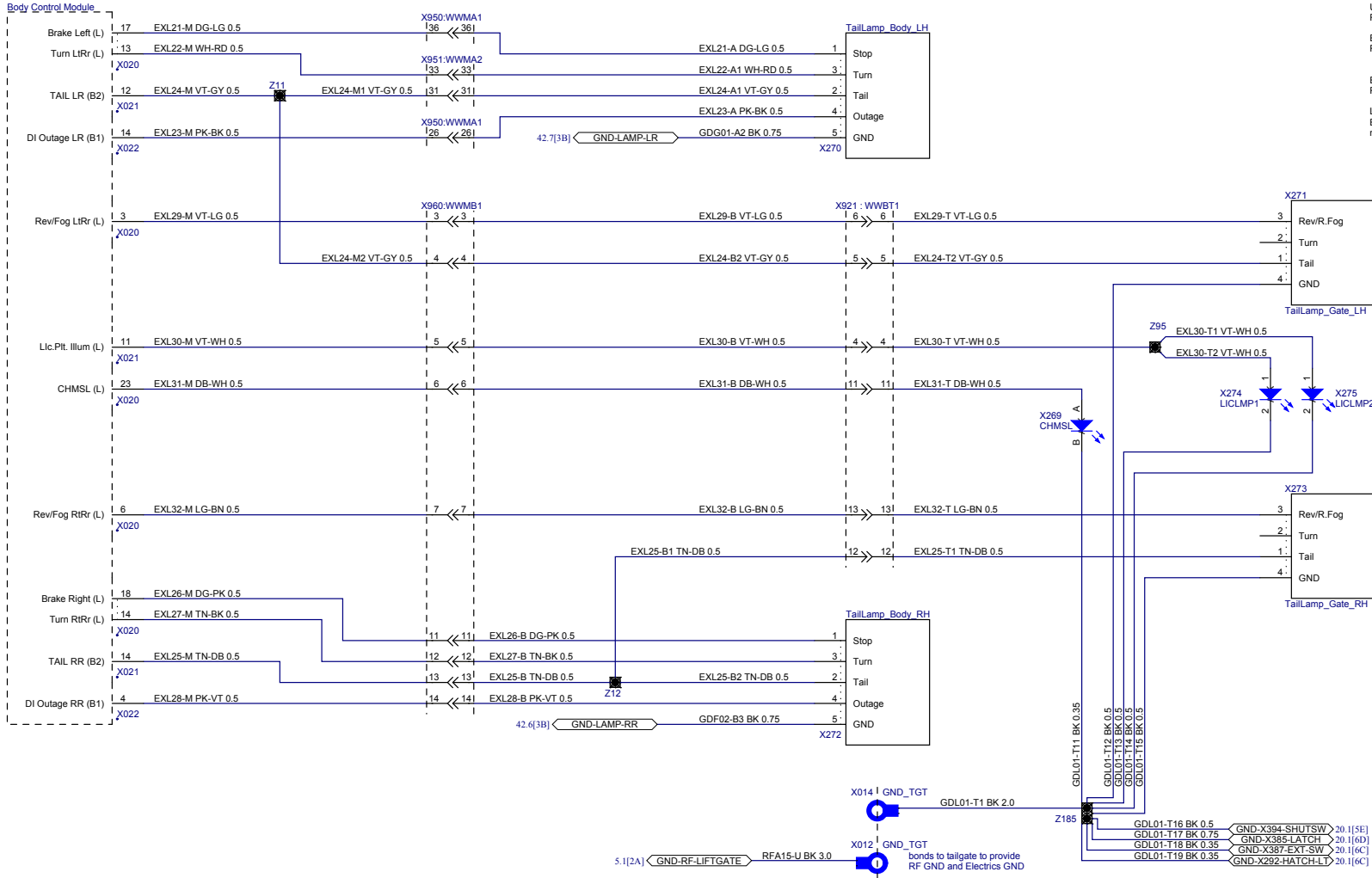
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PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Exterior Illumination - Front	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 7/3/2014	
DO NOT SCALE DRAWING	
SHEET 17.1	

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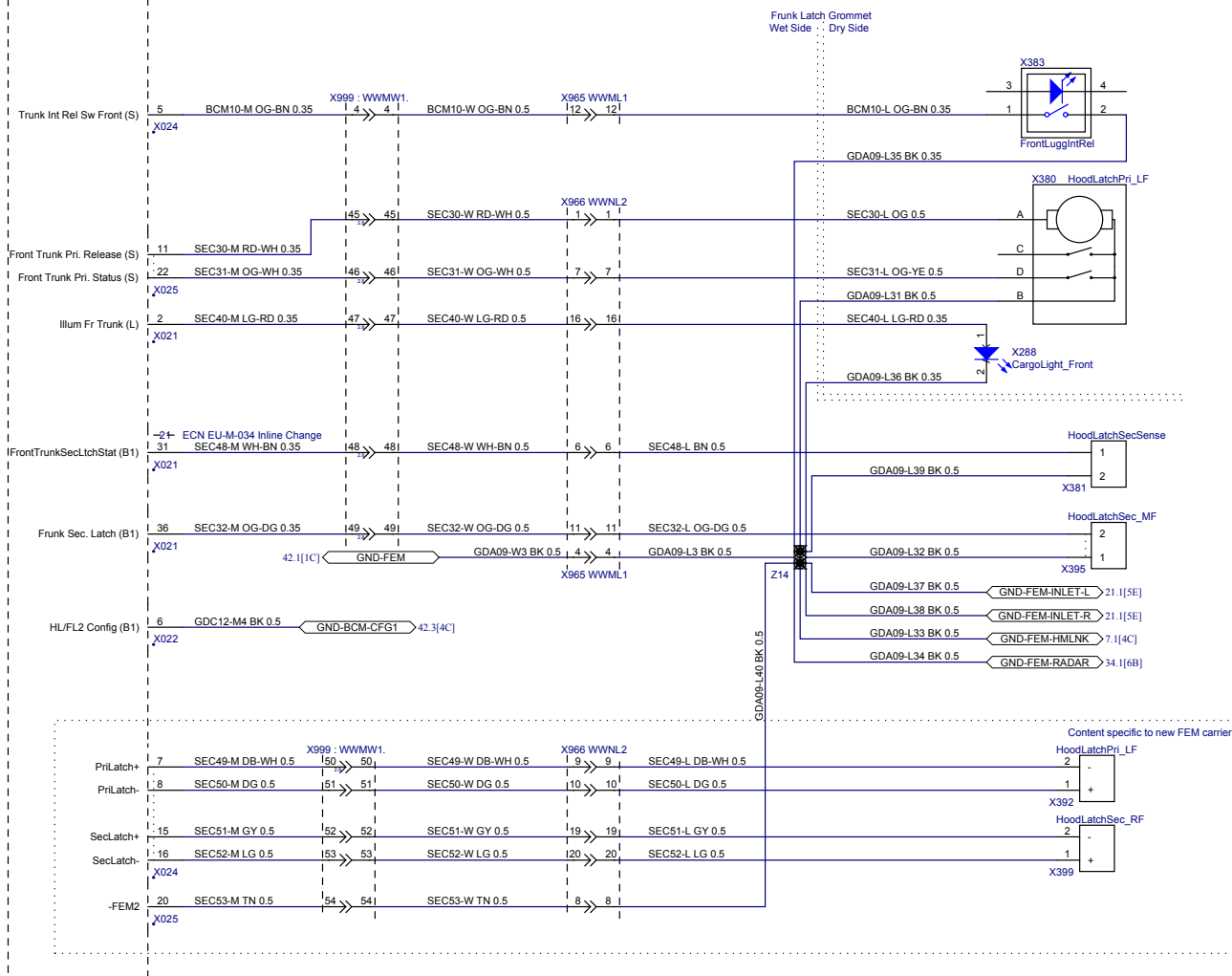
Tailgate Lamp configurations:
 US (federal):
 Rev/R.Fog element is a reverse lamp on both left and right.
 EU, LHD
 Rev/R.Fog element is a reverse lamp on right, and fog lamp on left.
 EU, RHD
 Rev/R.Fog element is a reverse lamp on left, and fog lamp on right.
 Lamp configurations are controlled by lamp assembly.
 Body controls software manages the specific electrical behavior on a market basis.

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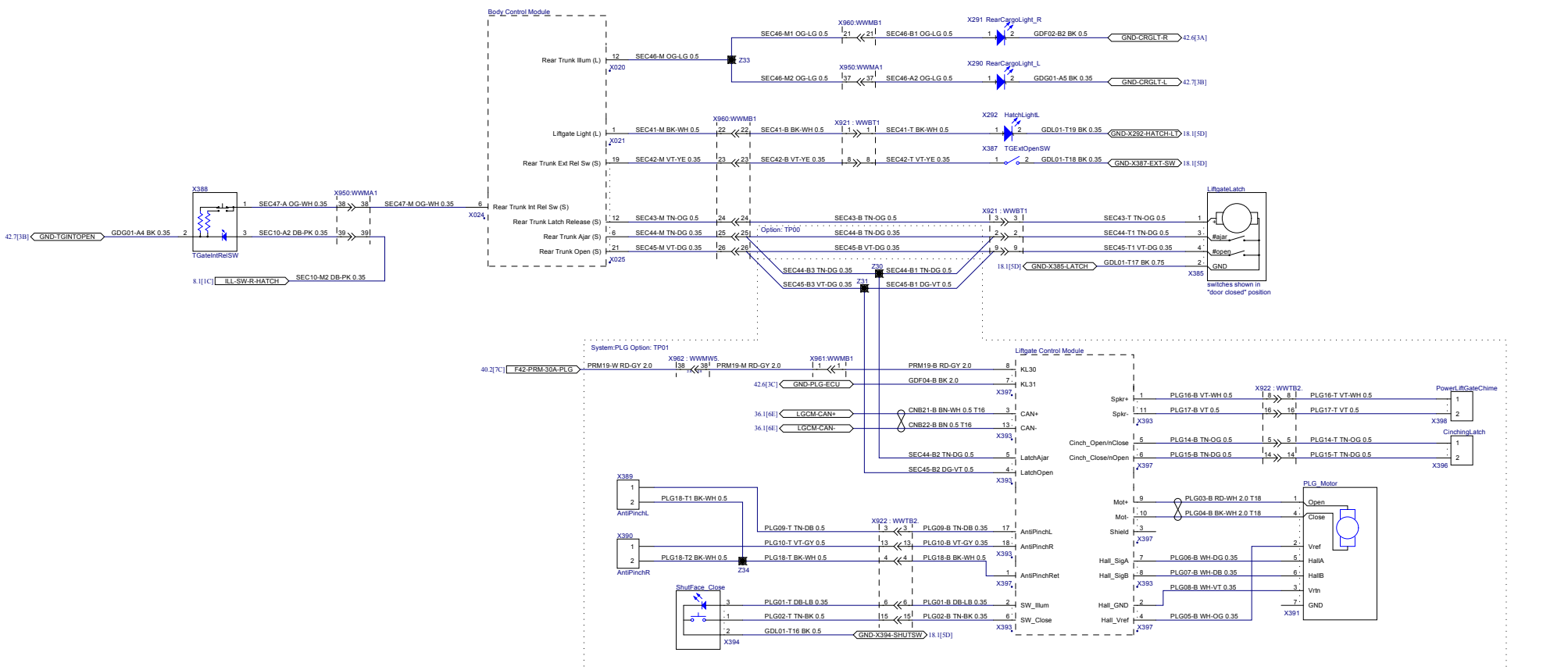
PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Exterior Illumination - Rear	
ITEM NO: XXXXXX-XX-X	DATE: 7/2/2014
REVISION: 1.3	
DO NOT SCALE DRAWING	SHEET 18.1

Body Control Module



PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Front Hatch Acuator/Sensors	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 7/2/2014	
DO NOT SCALE DRAWING	SHEET 19.1

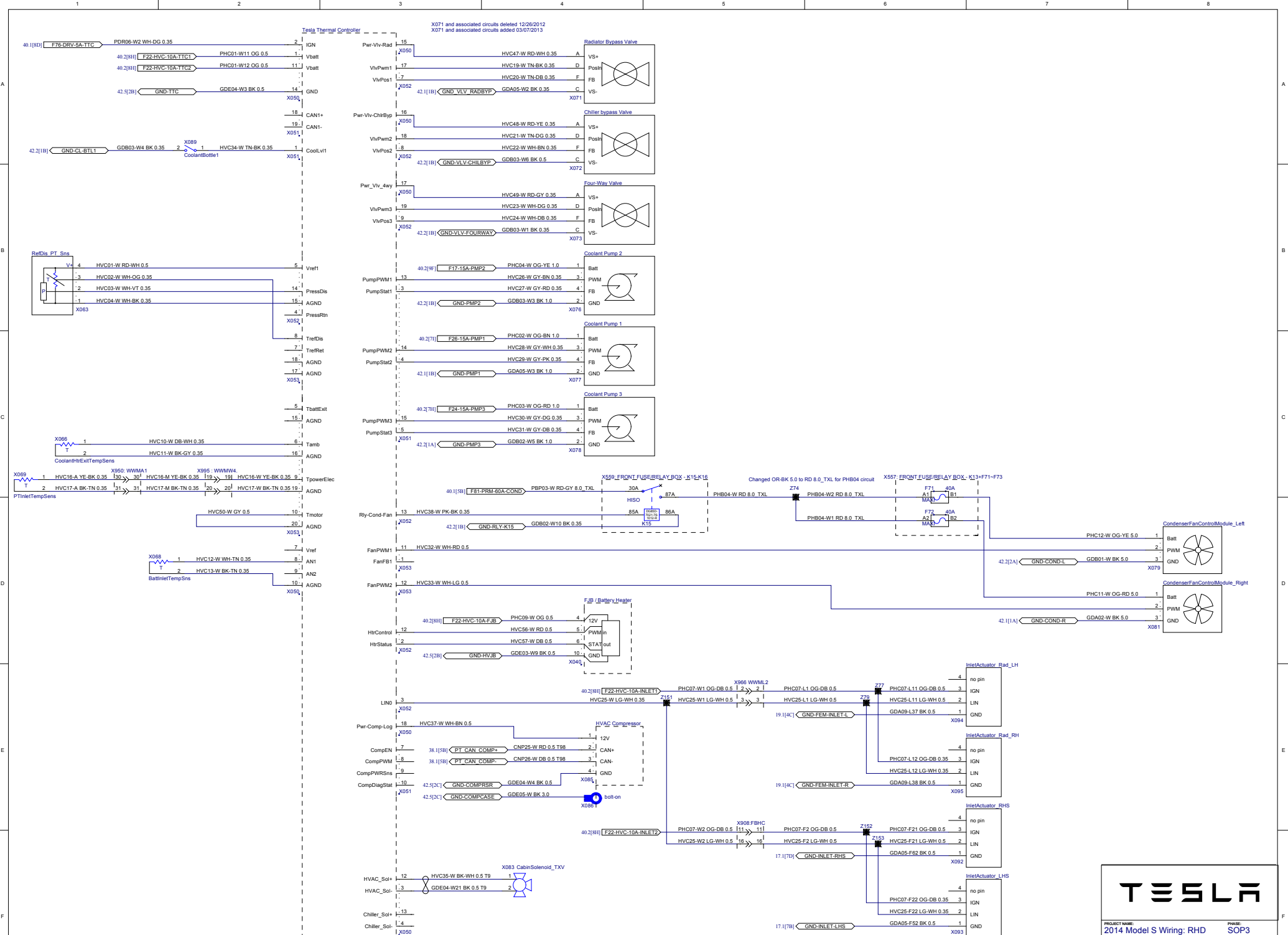
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PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Rear Hatch Actuator/Sensors + Liftgate Opt.	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 7/2/2014	
DO NOT SCALE DRAWING	
SHEET 20.1	

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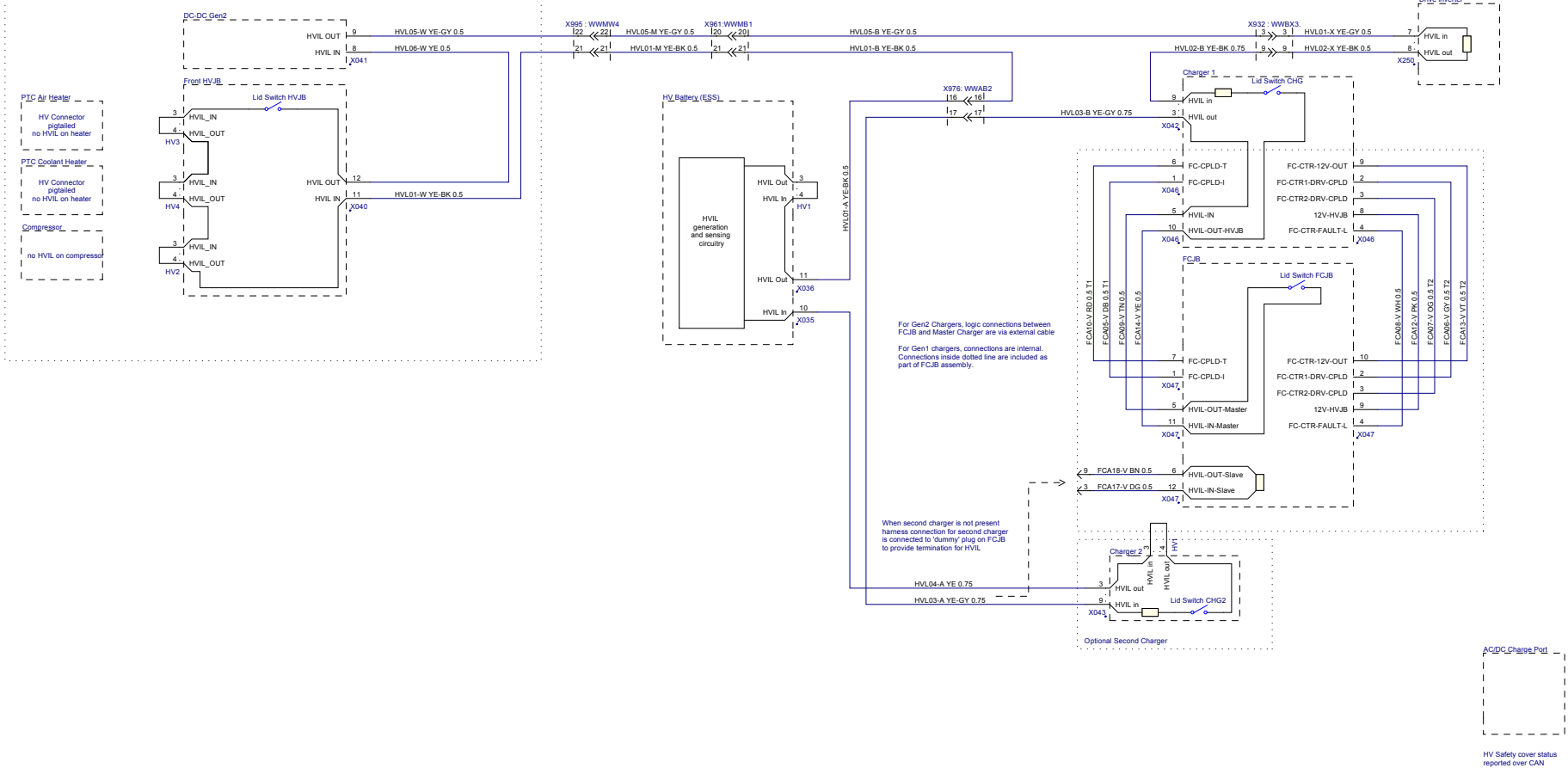


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PROJECT NAME:	2014 Model S Wiring: RHD	PHASE:	SOP3
SHEET NAME:	HVAC - Powertrain Cooling Components		
ITEM NO:	XXXXXX-XX-X	REVISION:	1.3
DATE:	12/24/2014		
DO NOT SCALE DRAWING		SHEET 21.1	

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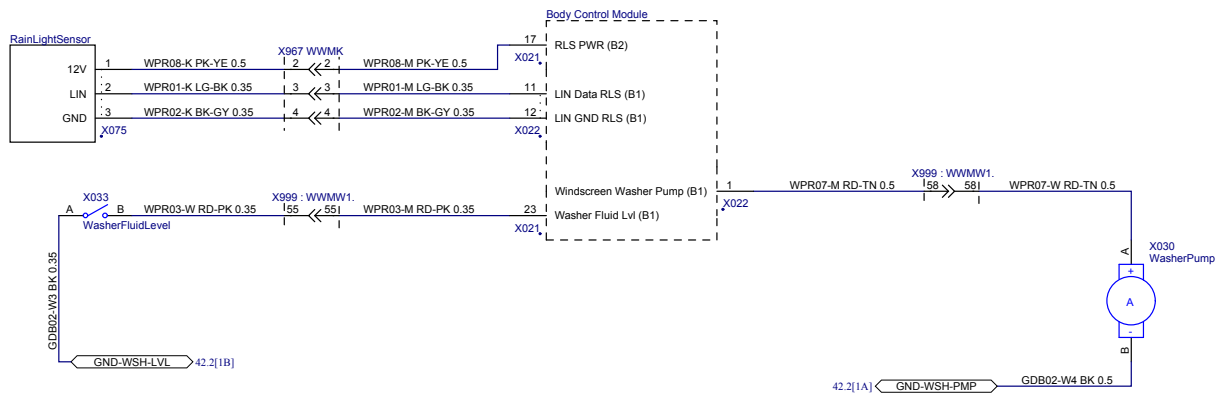
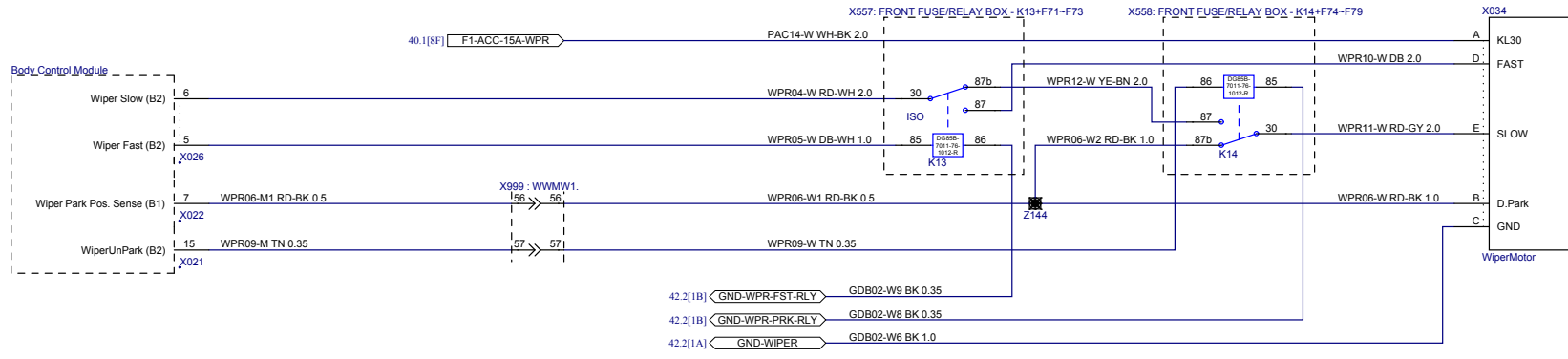
DCDC HVIL wiring for vehicle produced on or after September 1, 2013



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PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: High Voltage Interlock Connections	
ITEM NO: XXXXXXXX-XX-X	REVISION: 1.3
DATE: 8/13/2014	
DO NOT SCALE DRAWING SHEET 24.1	

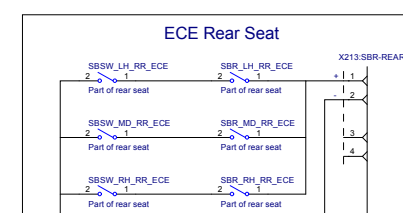
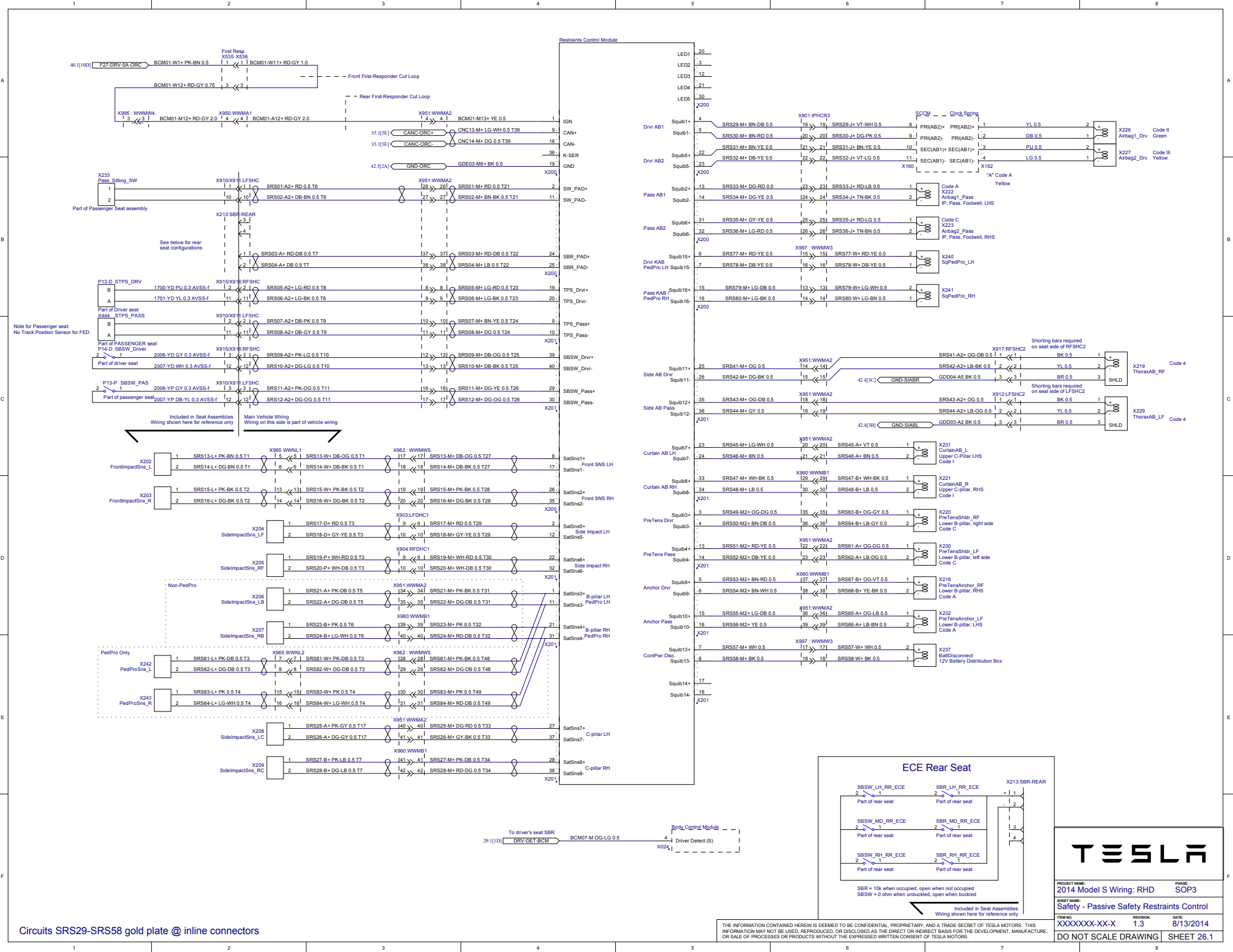
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PROJECT NAME: 2014 Model S Wiring: RHD		PHASE: SOP3	
SHEET NAME: Windscreen Wiper/Washer, Rain Sensor			
ITEM NO: XXXXXX-XX-X	REVISION: 1.3	DATE: 8/13/2014	
DO NOT SCALE DRAWING			SHEET 25.1

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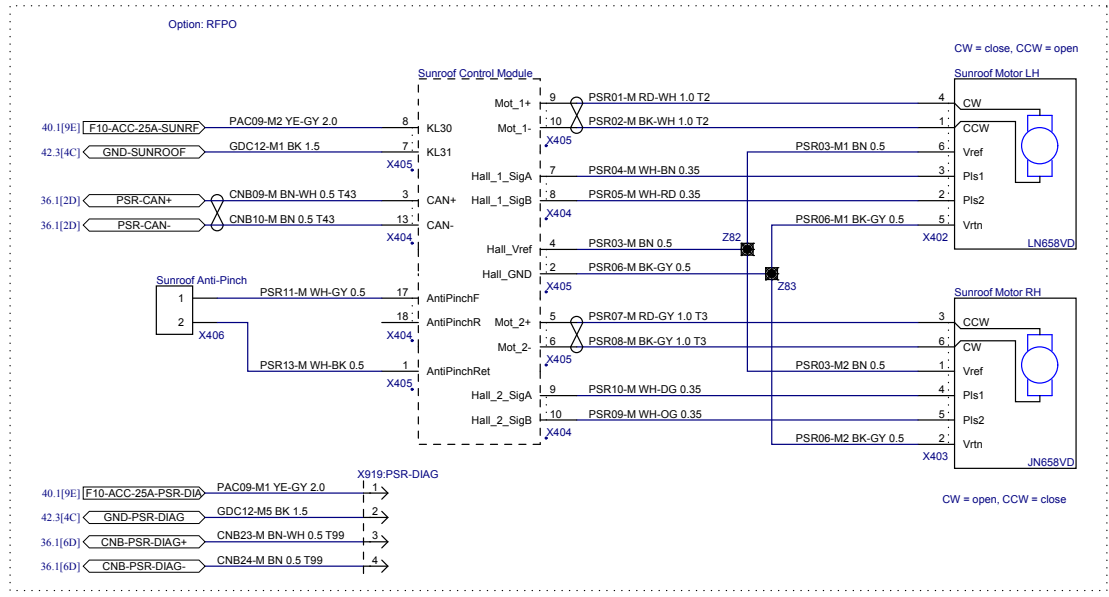
PROJECT NAME:	2014 Model S Wiring: RHD	PHASE:	SOP3
SHEET NAME:	Safety - Passive Safety Restraints Control		
ITEM NO:	XXXXXX-XX-X	REVISION:	1.3
DATE:	8/13/2014		
DO NOT SCALE DRAWING SHEET 26.1			

Circuits SRS29-SRS58 gold plate @ inline connectors

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SBR = 10k when occupied, open when not occupied
 SBWS = 0 ohm when unoccupied, open when buckled

Included in Seat Assemblies
 Wiring shown here for reference only



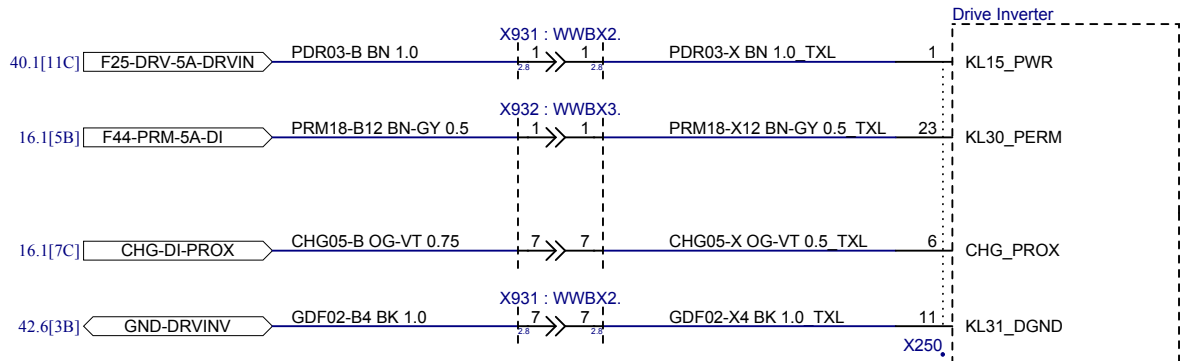
PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Panoramic Sunroof	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 8/13/2014	
DO NOT SCALE DRAWING	SHEET 27.1

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A

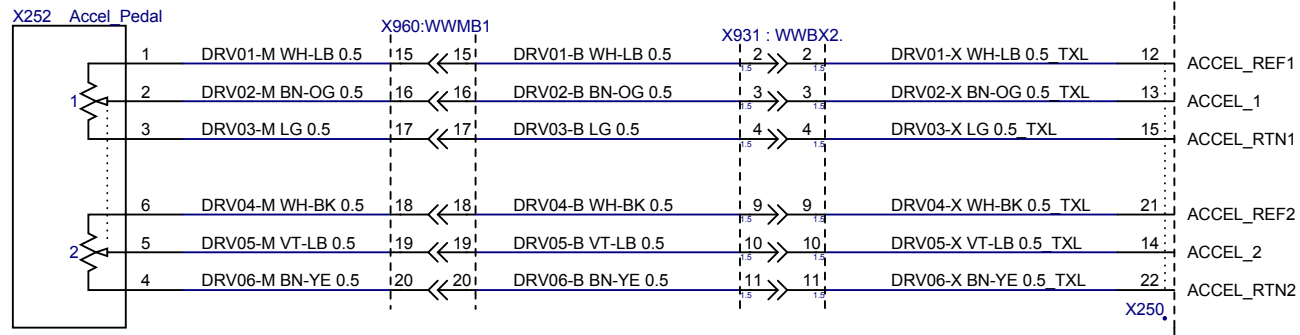
A

Brake switch signals on separate page



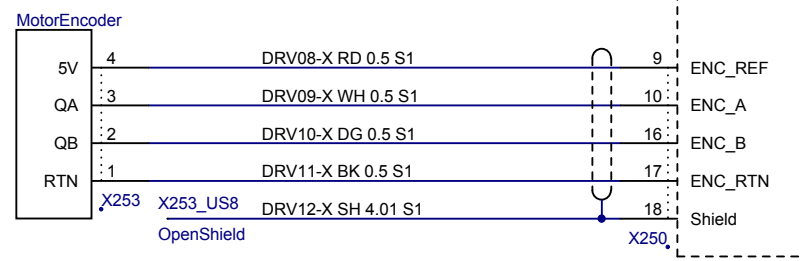
B

B



C

C



X250, X253 SEALED shield terminations

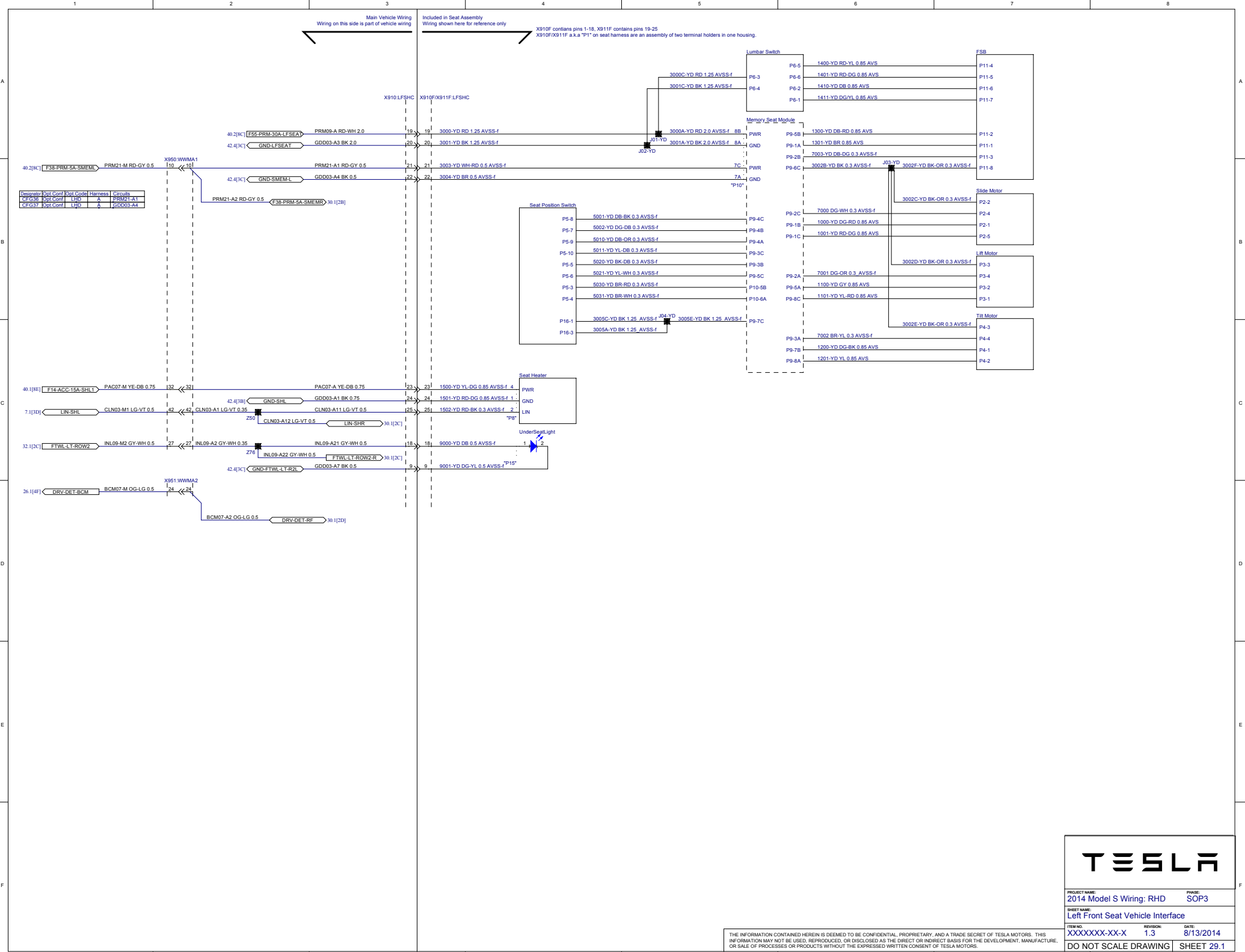
D

D



PROJECT NAME: 2014 Model S Wiring: RHD		PHASE: SOP3	
SHEET NAME: Drive Inverter			
ITEM NO. XXXXXXXX-XX-X	REVISION: 1.3	DATE: 8/13/2014	
DO NOT SCALE		SHEET 28.1	

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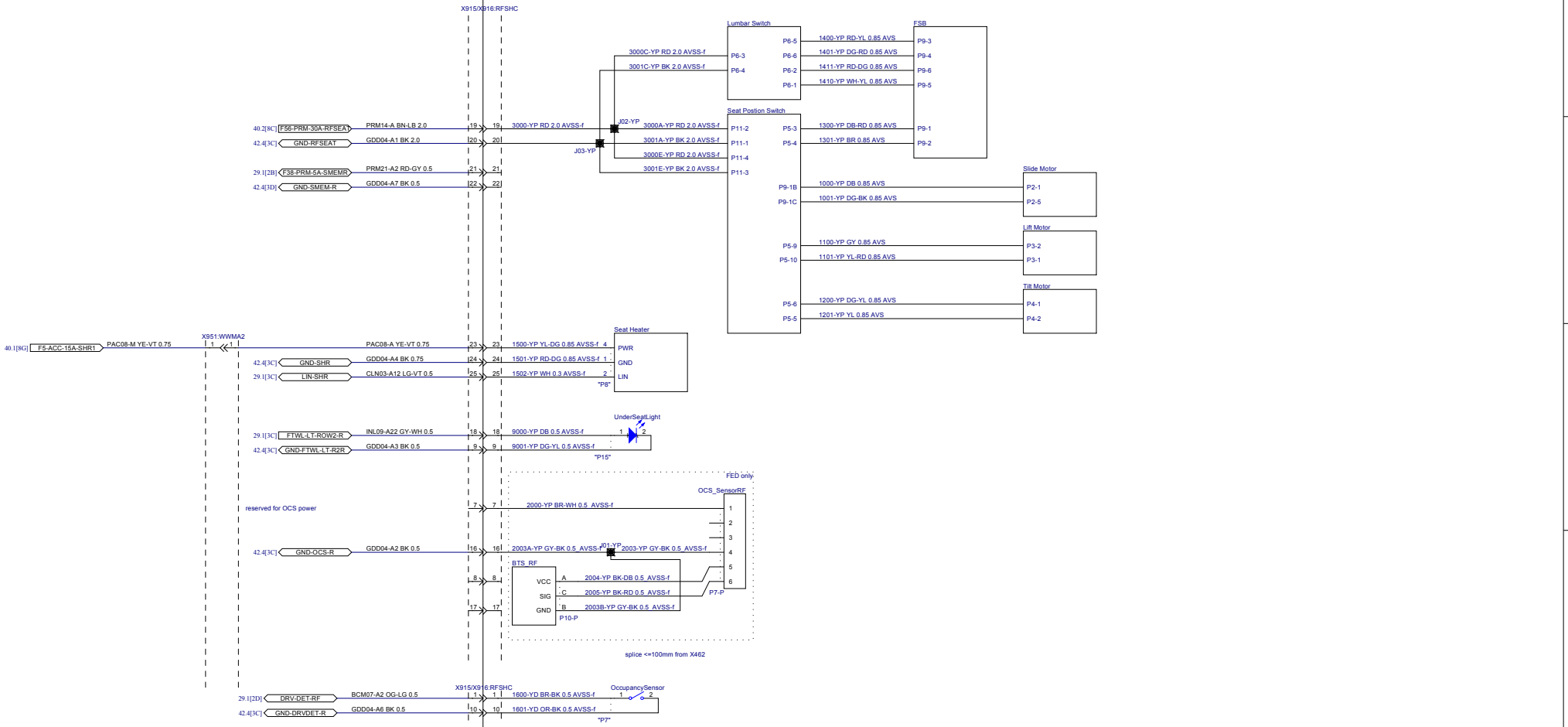
PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Left Front Seat Vehicle Interface	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 8/13/2014	
DO NOT SCALE DRAWING SHEET 29.1	

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Main Vehicle Wiring
Wiring on this side is part of vehicle wiring

Included in Seat Assembly
Wiring shown here for reference only

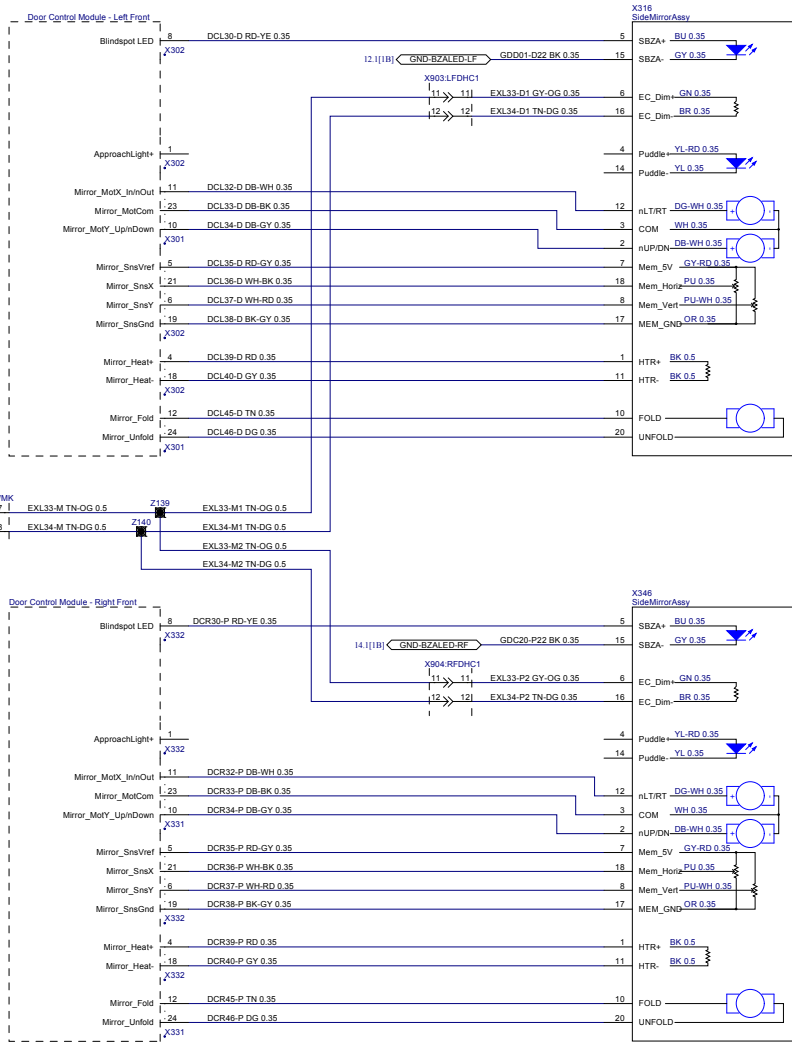
X915F contains pins 1-18, X916F contains pins 19-25
X915F/X916F a.k.a "P1" on seat harness are an assembly of two terminal holders in one housing.



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PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Right Front Seat Vehicle Interface	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
	DATE: 8/13/2014
DO NOT SCALE DRAWING	
SHEET 30.1	

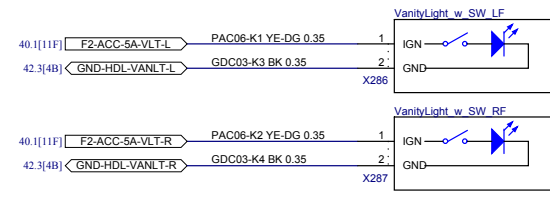
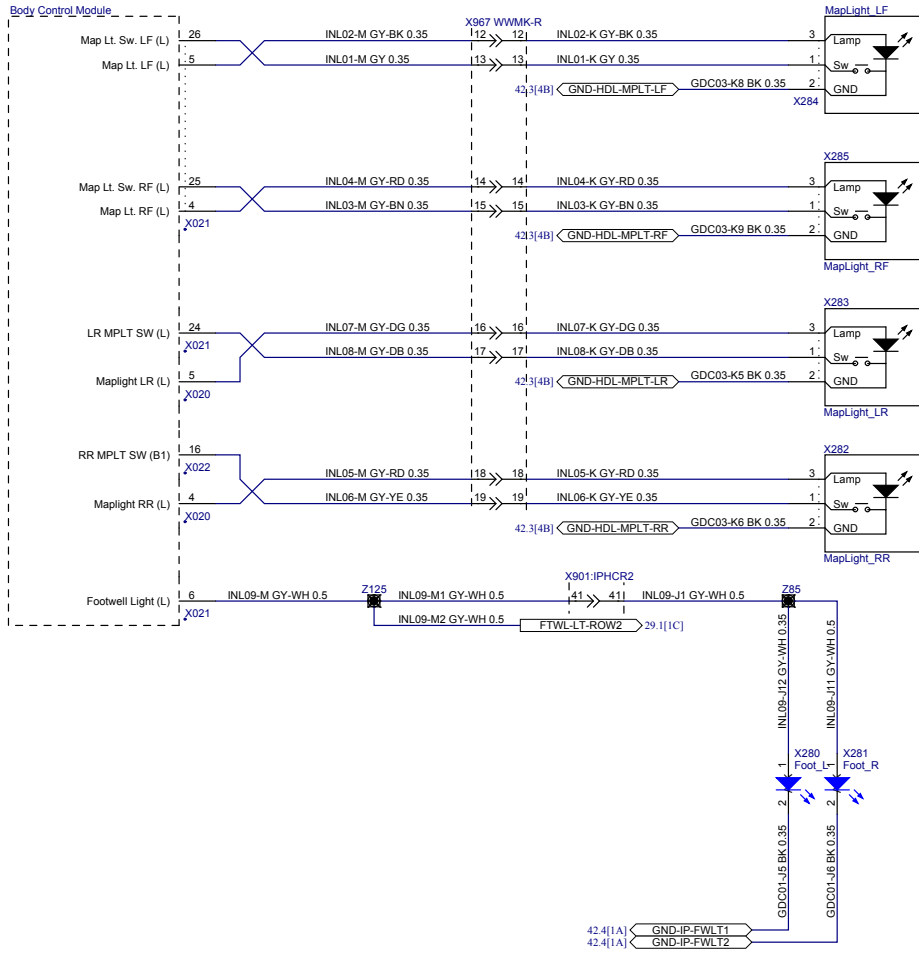


Mirror control commands come to the drive door control module via LIN from the driver-door switchpack module.
Mirror controls for the passenger side mirror are then passed over GAN to the passenger door control module.

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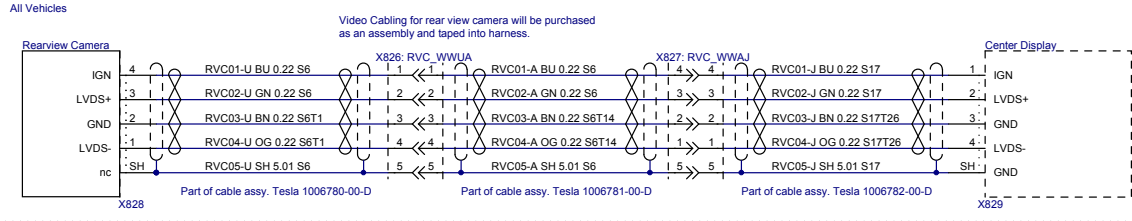
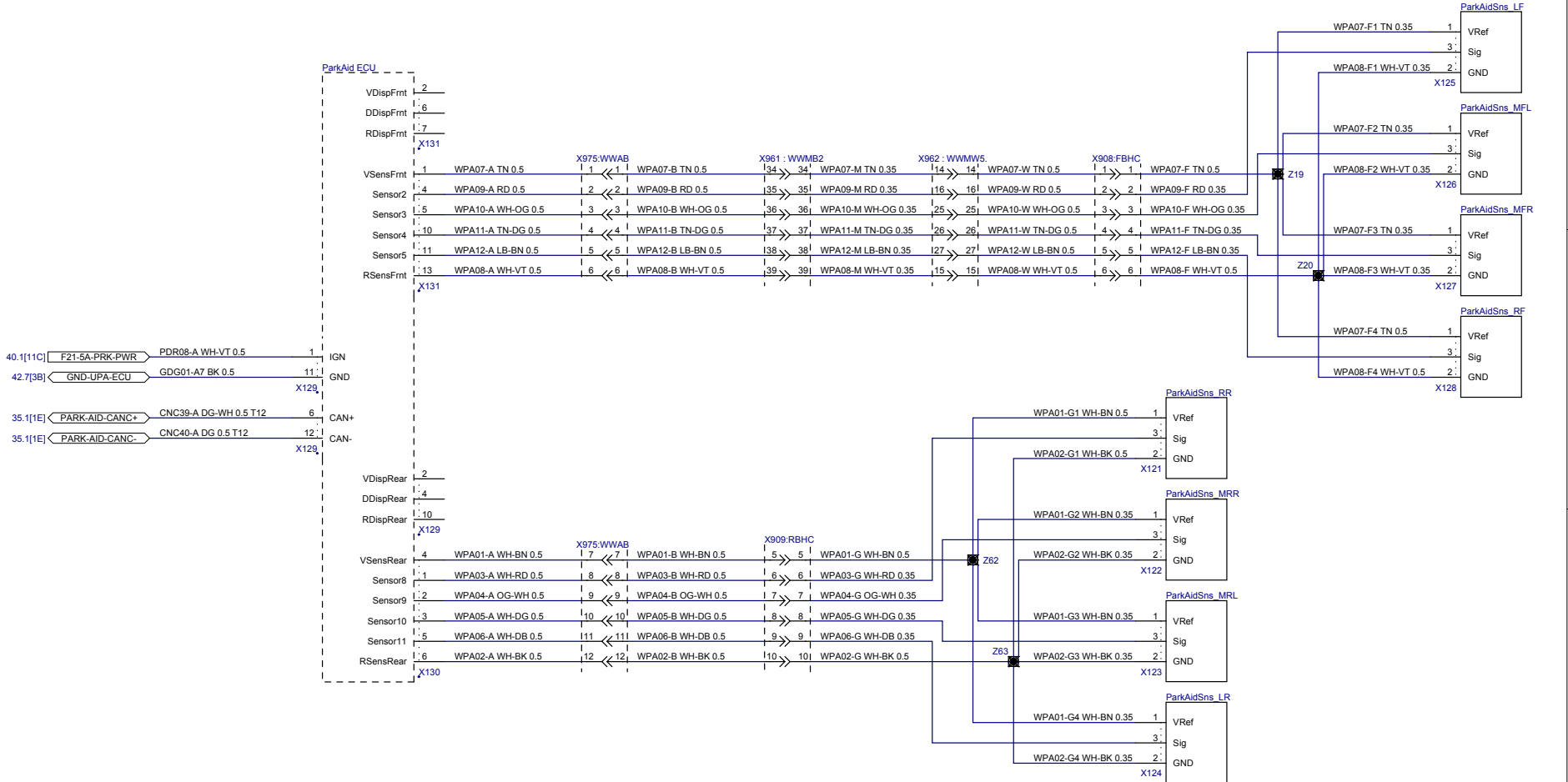
PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Mirrors - Center and Side	
ITEM NO: XXXXXXXX-XX-X	REVISION: 1.3
DATE: 8/13/2014	
DO NOT SCALE DRAWING SHEET 31.1	



PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Interior Lighting - Maplights	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 8/13/2014	
DO NOT SCALE DRAWING	SHEET 32.1

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Applies to ALL vehicles with PK01 produced before September 15, 2014

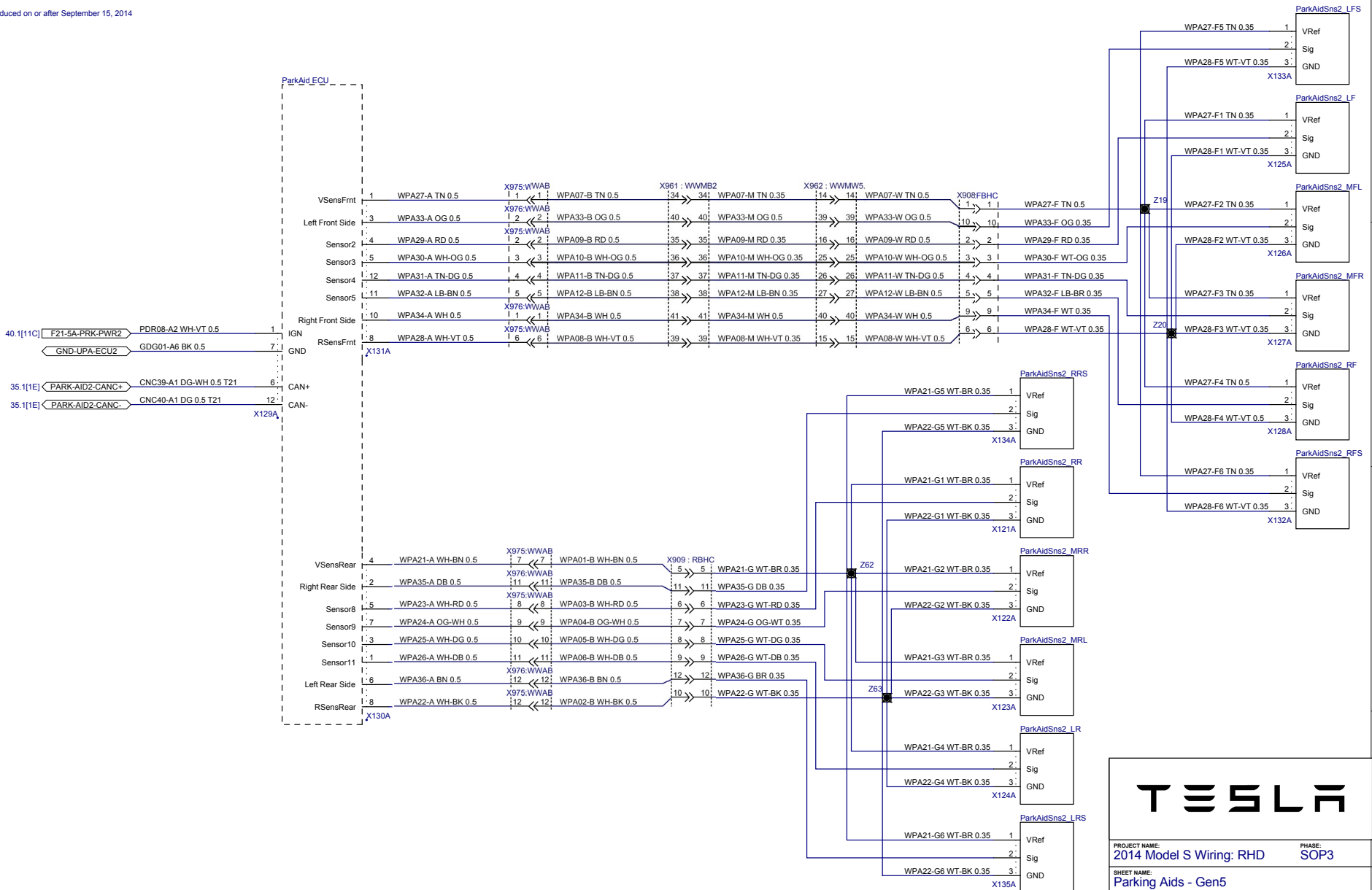


TESLA

PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Parking Aids	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 8/13/2014	
DO NOT SCALE DRAWING	SHEET 33.1

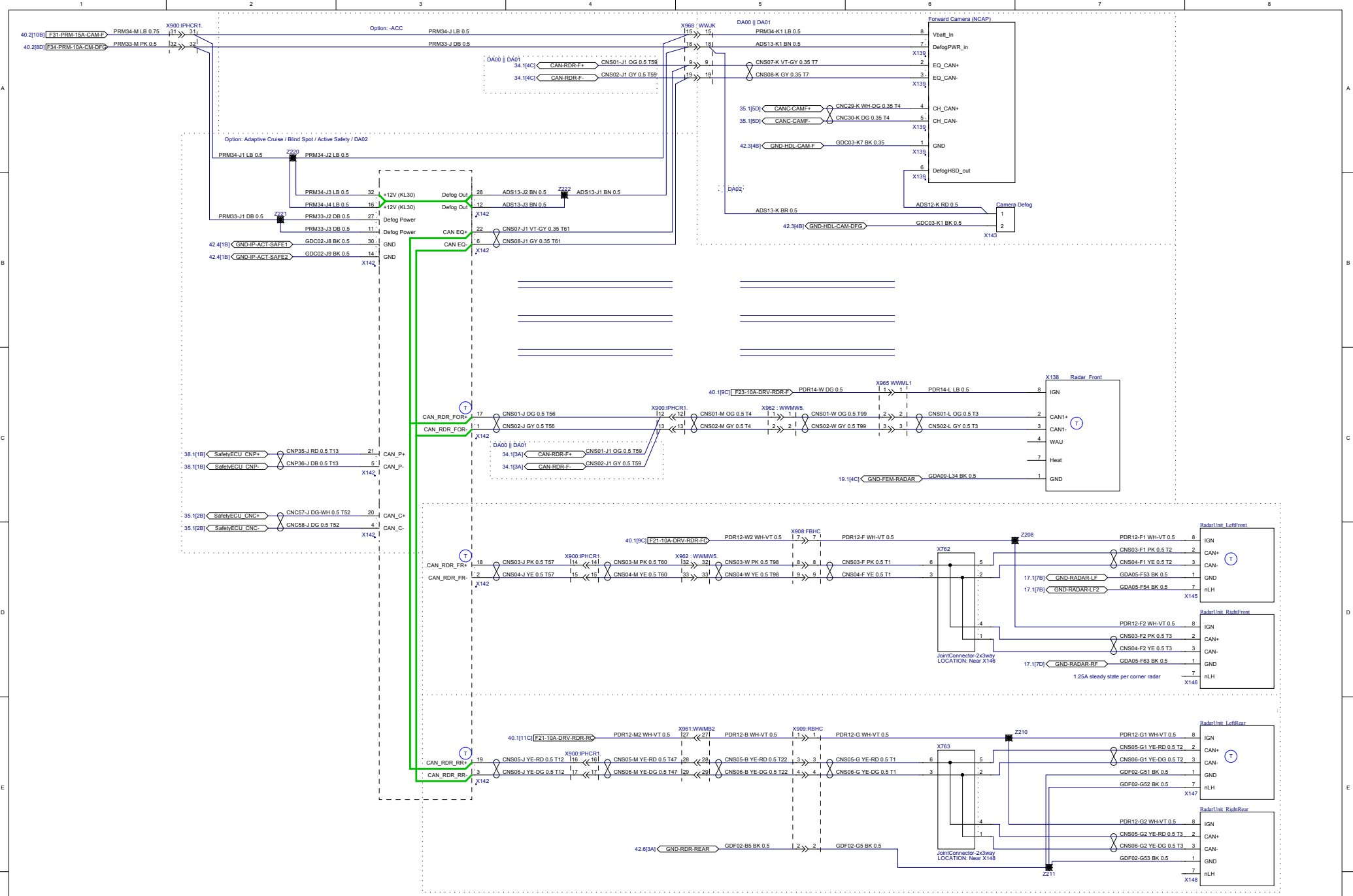
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Applies to ALL vehicles produced on or after September 15, 2014



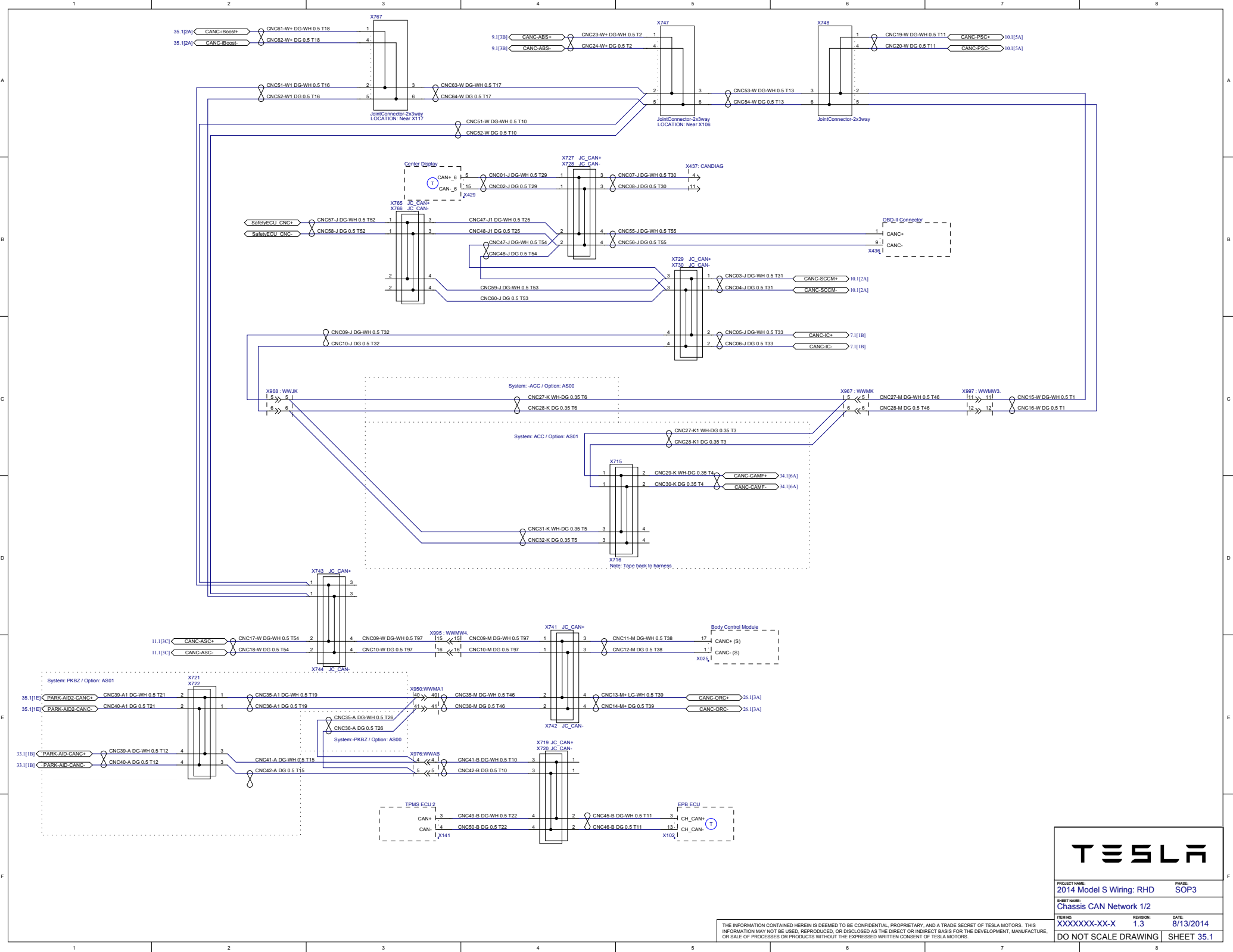
PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Parking Aids - Gen5	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 8/13/2014	
DO NOT SCALE DRAWING	SHEET 33.2

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PROJECT NAME:	2014 Model S Wiring: RHD	PHASE:	SOP3
SHEET NAME:	Safety - Driver Assist, Blind Spot, NCAP		
ITEM NO:	XXXXXXXX-XX-X	REVISION:	1.3
DATE:	11/13/2014		
DO NOT SCALE DRAWING			
SHEET 34.1			

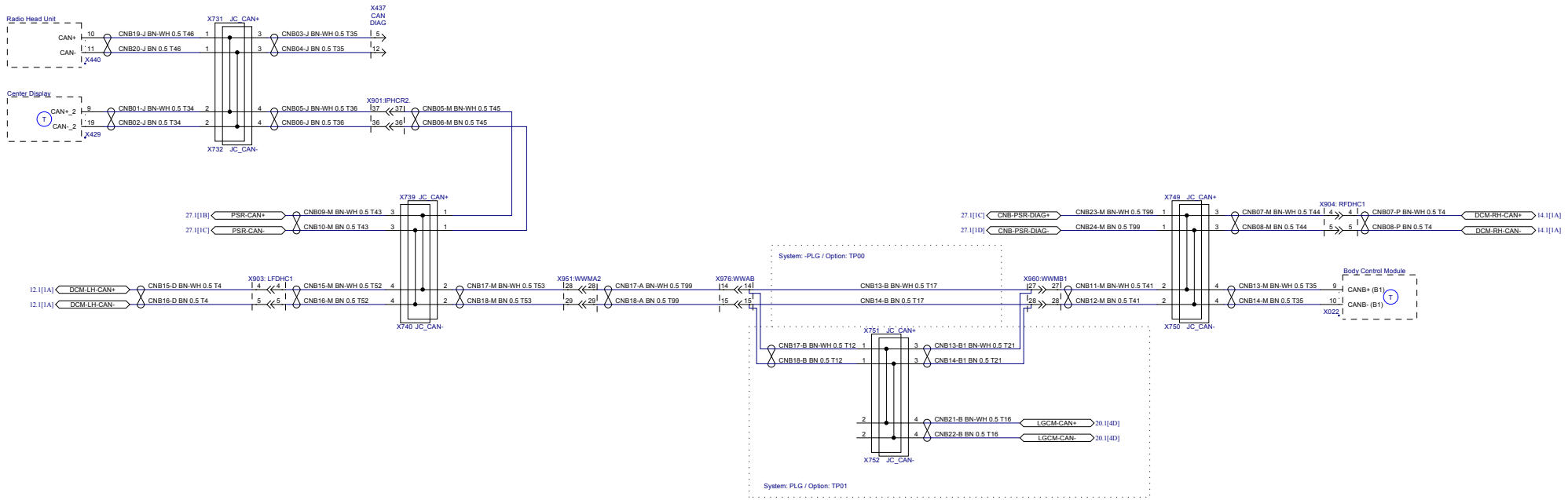
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.



TESLA

PROJECT NAME: 2014 Model S Wiring: RHD		PHASE: SOP3	
SHEET NAME: Chassis CAN Network 1/2			
ITEM NO: XXXXXX-XX-X	REVISION: 1.3	DATE: 8/13/2014	
DO NOT SCALE DRAWING		SHEET 35.1	

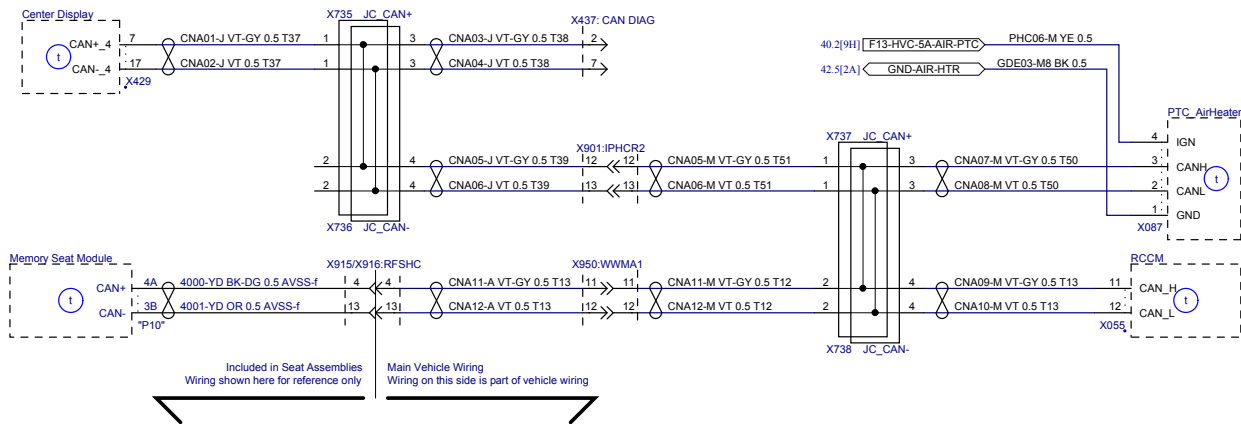
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.



TESLA

PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Body CAN Network	
ITEM NO: XXXXXXXX-XX-X	REVISION: 1.3
	DATE: 7/2/2014
DO NOT SCALE DRAWING	SHEET 36.1

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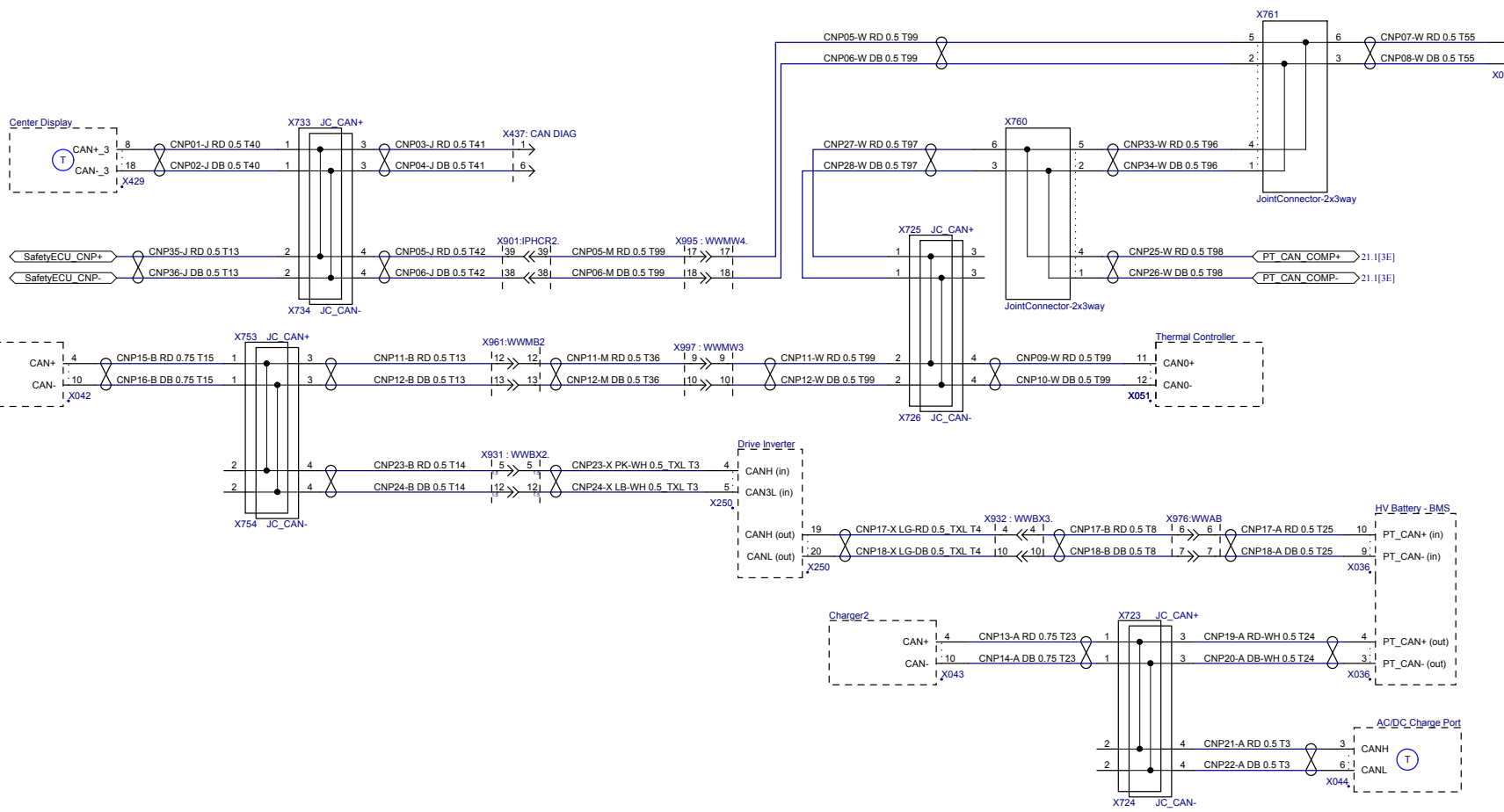


TESLA

PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Body FT CAN Network	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 8/13/2014	
DO NOT SCALE DRAWING	SHEET 37.1

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1 2 3 4 5 6

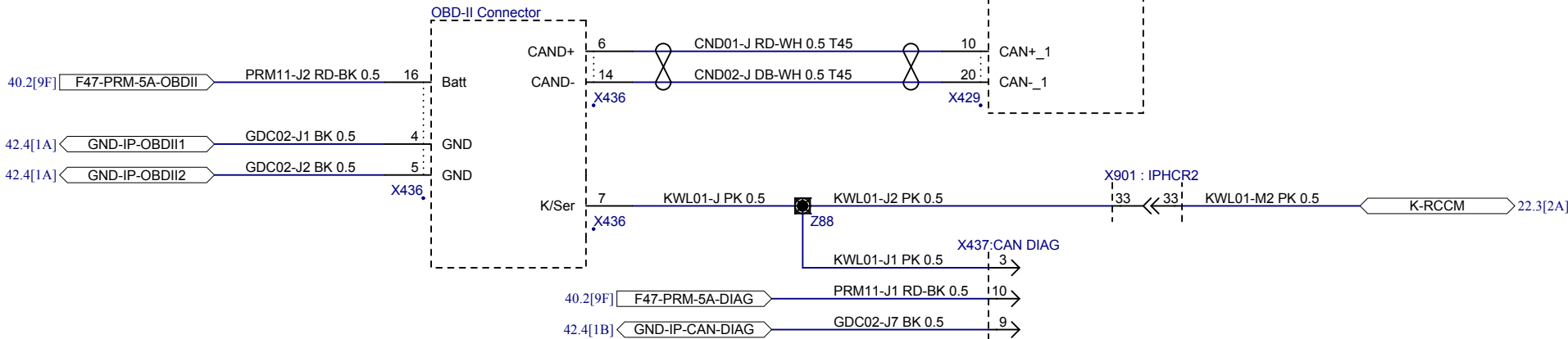
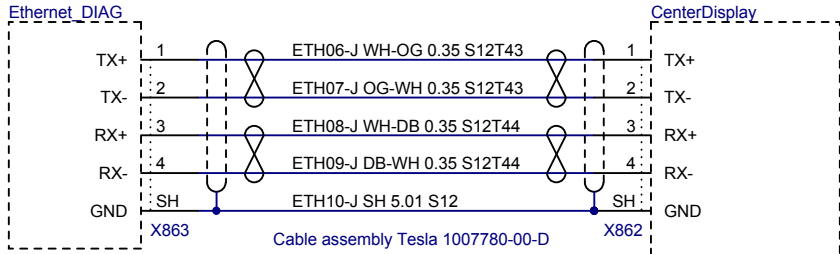


1 2 3 4 5 6



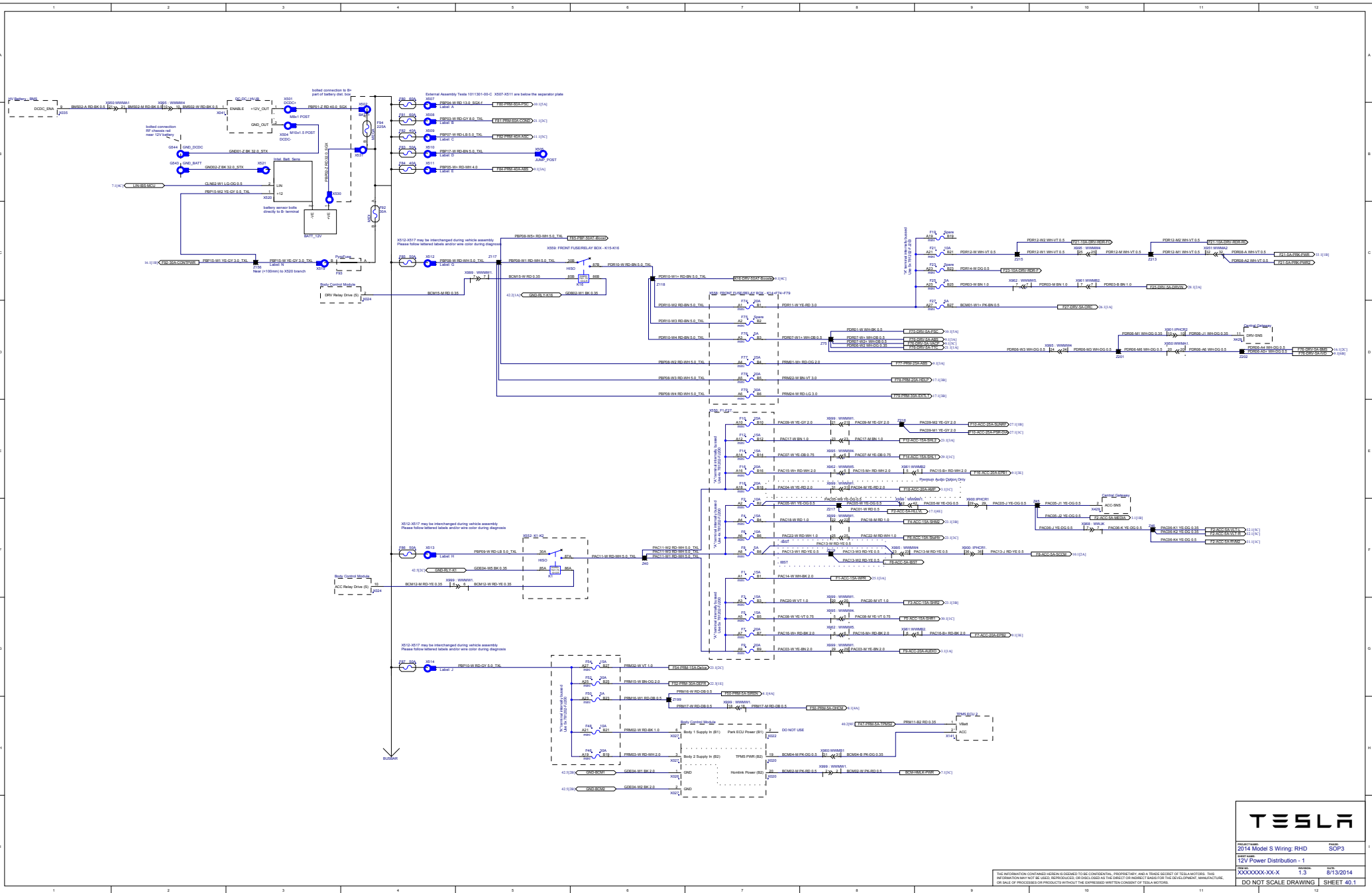
PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: PT CAN Network 1	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
	DATE: 7/3/2014
DO NOT SCALE DRAWING	SHEET 38.1

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PROJECT NAME: 2014 Model S Wiring: RHD		PHASE: SOP3
SHEET NAME: Vehicle Diagnostic Connections		
ITEM NO. XXXXXXXX-XX-X	REVISION: 1.3	DATE: 7/2/2014
DO NOT SCALE		SHEET 39.1

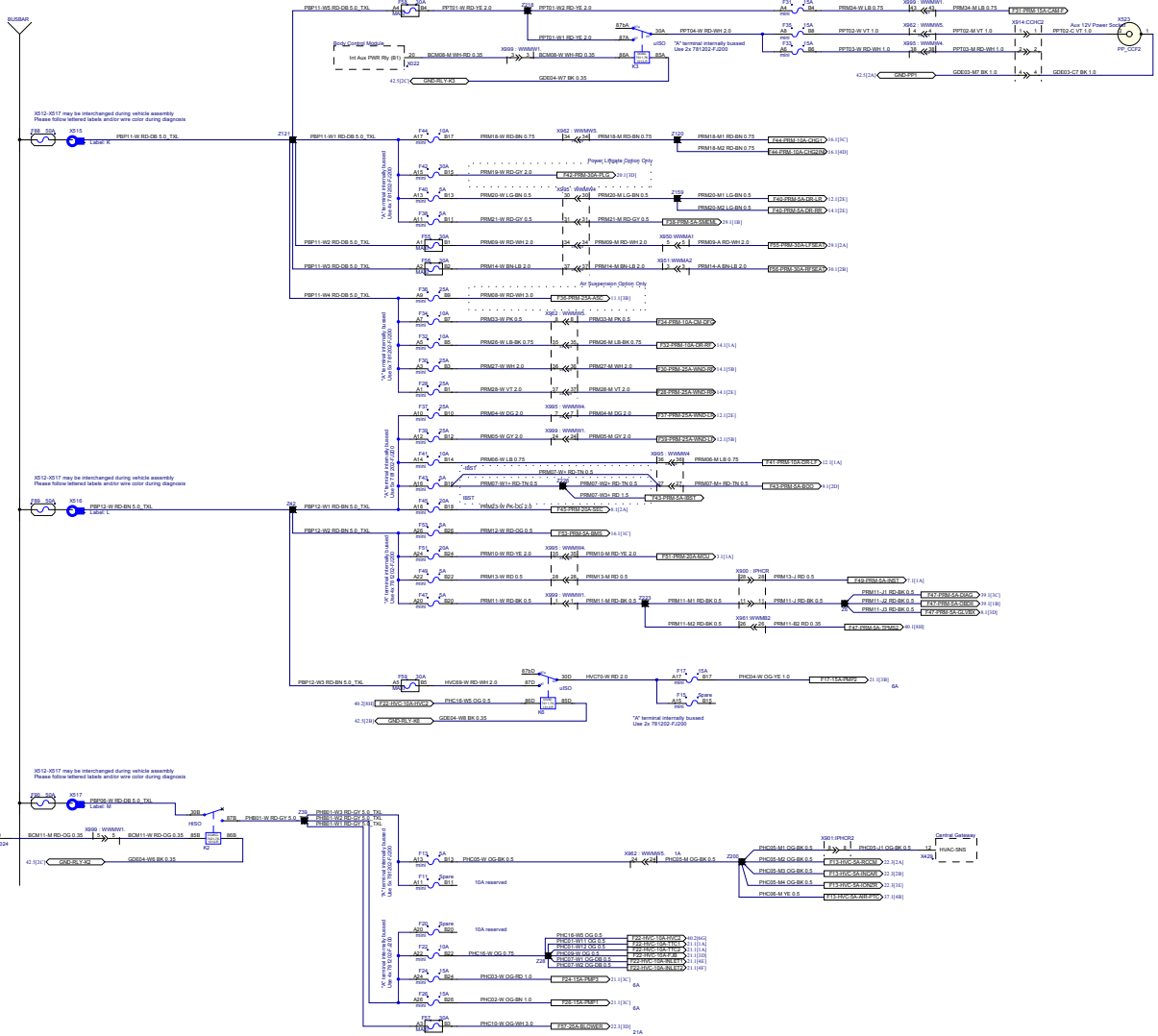
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.



TESLA

2014 Model S Wiring: RHD 12V Power Distribution - 1	SOPS 1.3 8/13/2014
XXXXXXXX-XX-X DO NOT SCALE DRAWING	SHEET 40.1

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X812, X817 may be interchangeable during vehicle assembly.
Please refer to related tasks and/or wire color during diagnosis.

X812, X817 may be interchangeable during vehicle assembly.
Please refer to related tasks and/or wire color during diagnosis.

X812, X817 may be interchangeable during vehicle assembly.
Please refer to related tasks and/or wire color during diagnosis.

TESLA

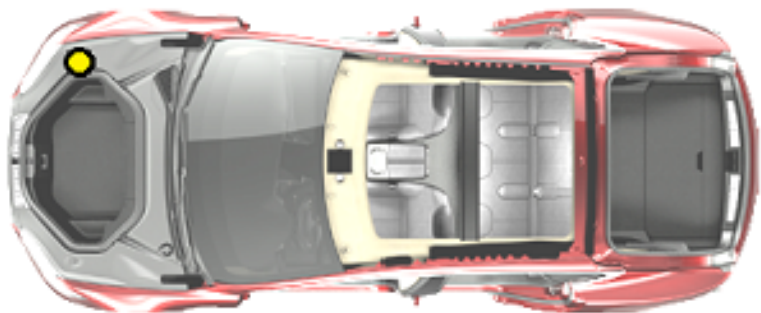
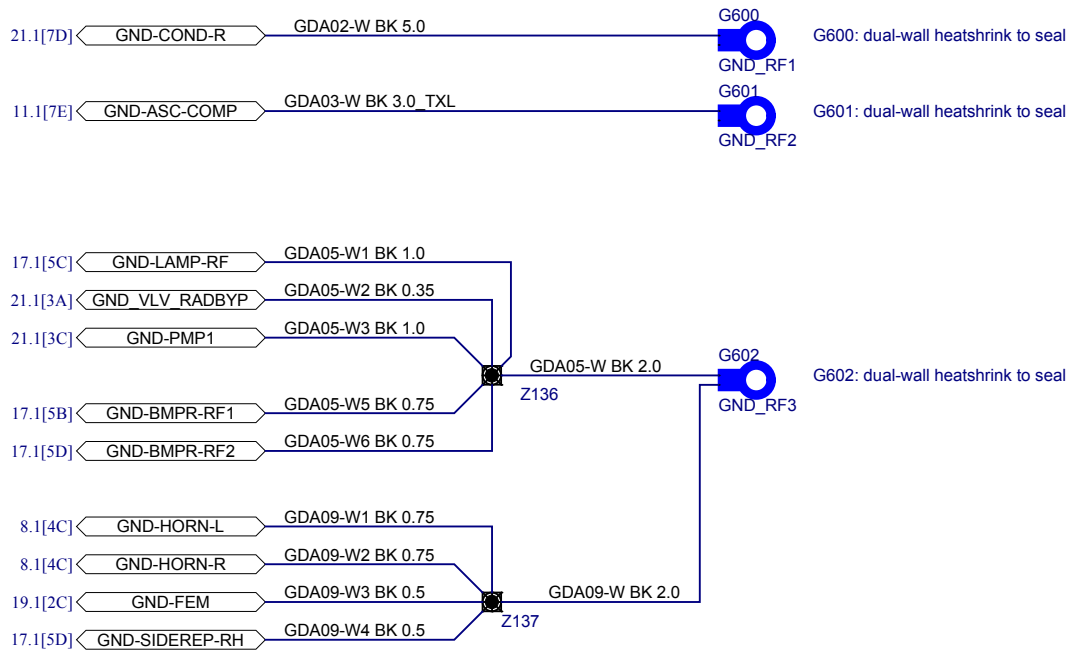
2014 Model S Wiring: RHD
12V Power Distribution - 2

XXXXXX-XX-X
1.3
8/13/2014

DO NOT SCALE DRAWING SHEET 40.2

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RF Ground Point - Forward of Wheel



TESLA

PROJECT NAME: 2014 Model S Wiring: RHD PHASE: SOP3

SHEET NAME: Ground Distribution - Right Front

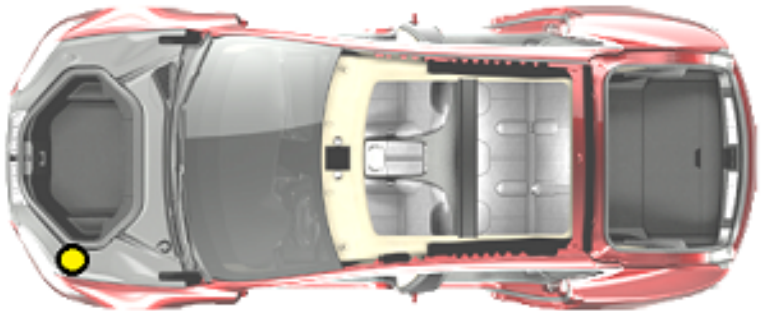
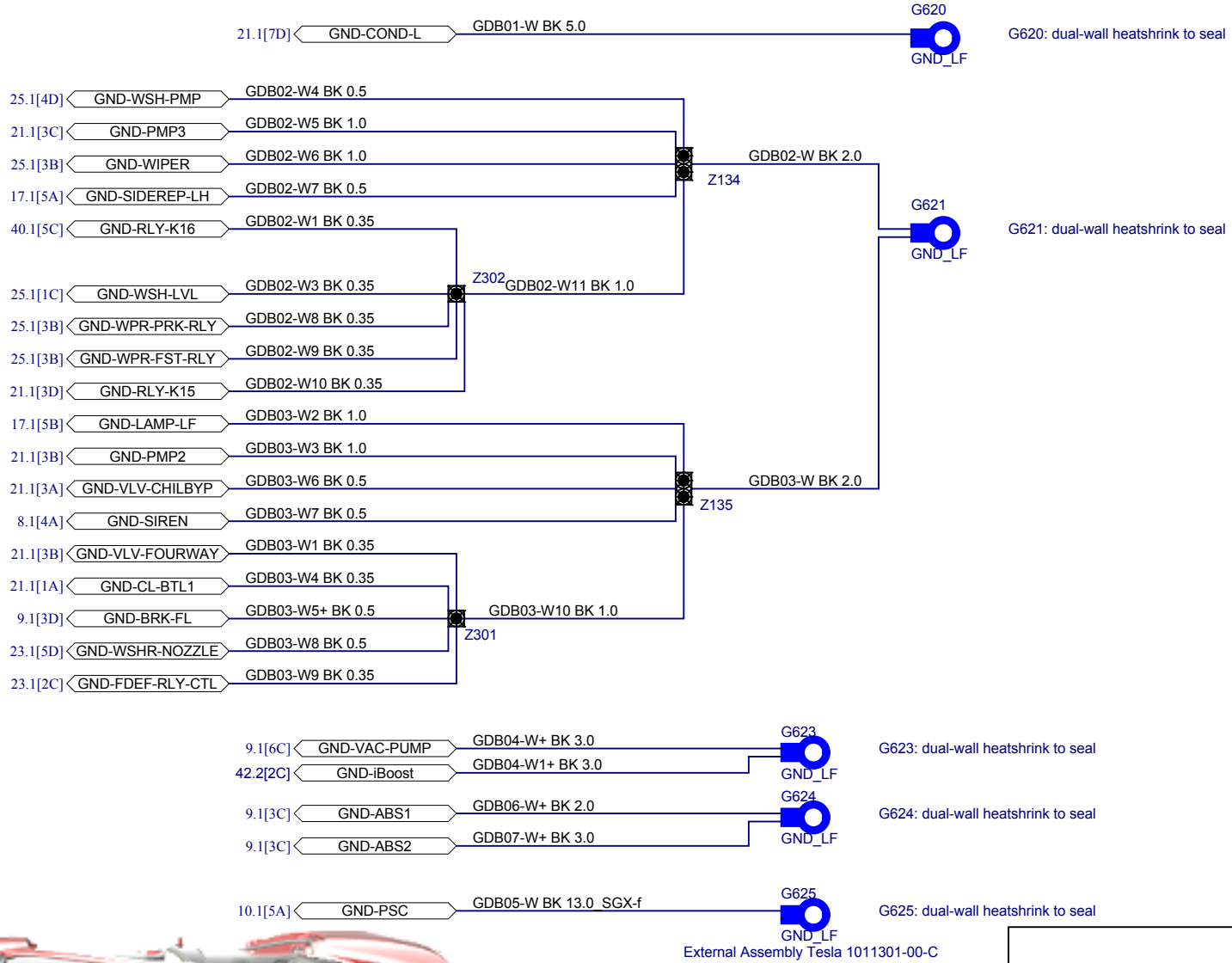
ITEM NO. XXXXXXXX-XX-X REVISION: 1.3 DATE: 7/2/2014

DO NOT SCALE

SHEET 42.1

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LF Ground Point - Forward of Wheel

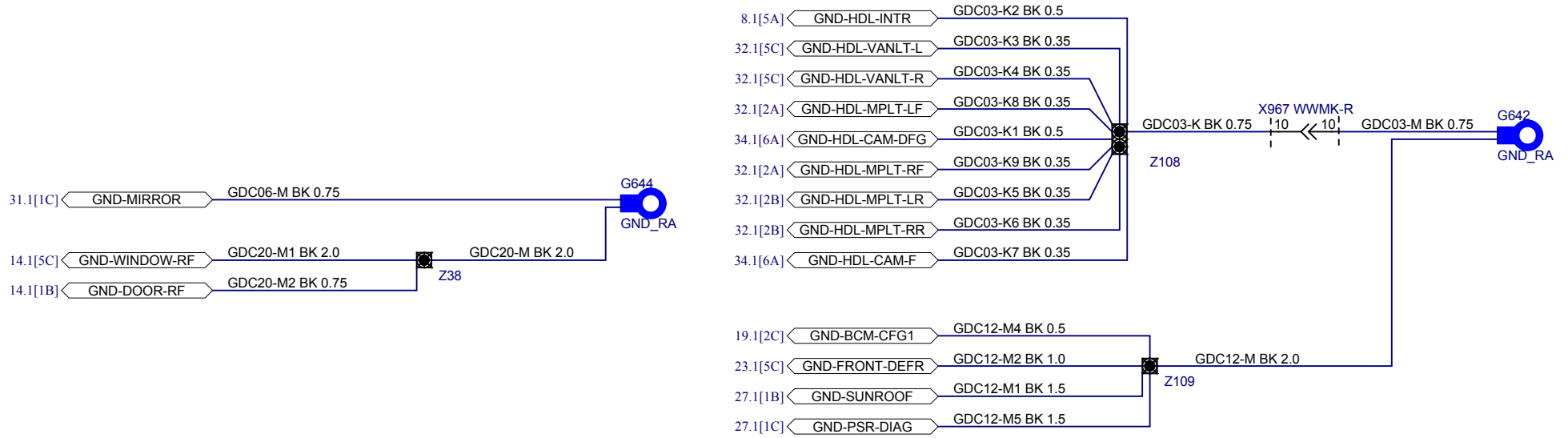


TESLA

PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3	
SHEET NAME: Ground Distribution - Left Front		
ITEM NO. XXXXXXXX-XX-X	REVISION: 1.3	DATE: 7/3/2014
DO NOT SCALE	SHEET 42.2	

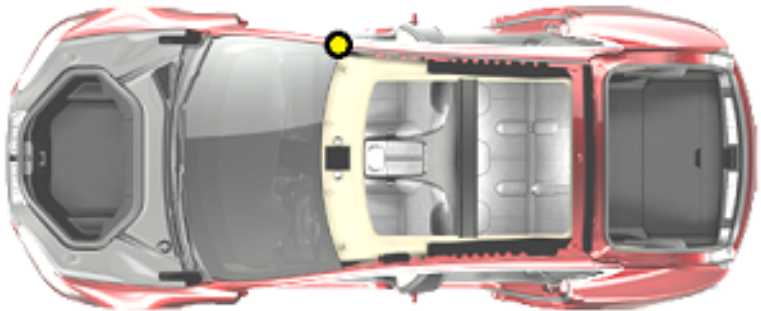
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.

RH A-pillar Ground Point



MAIN Body Harness

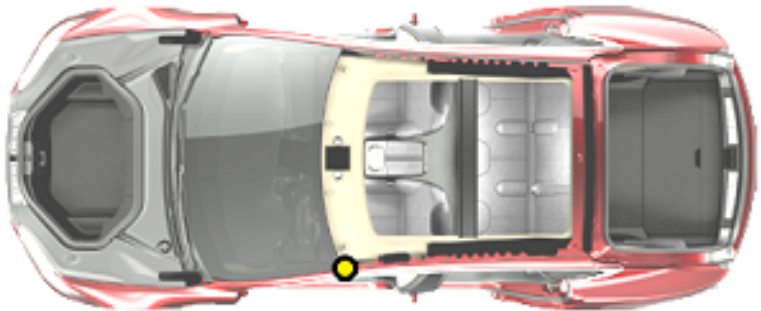
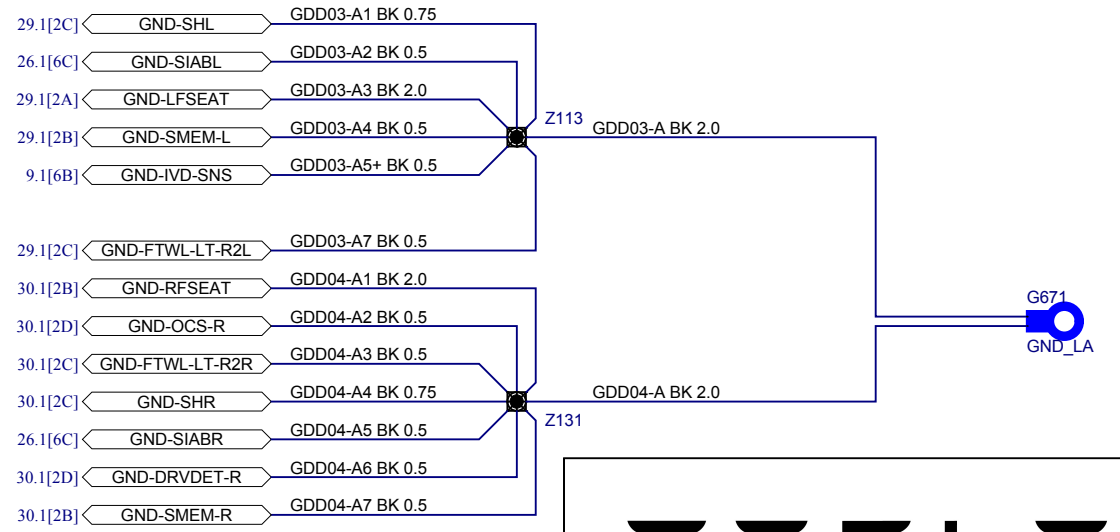
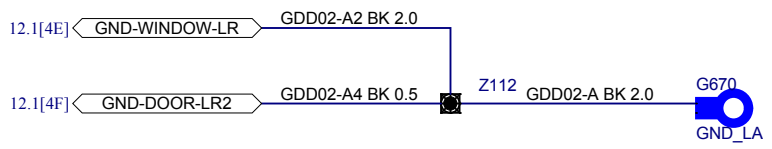
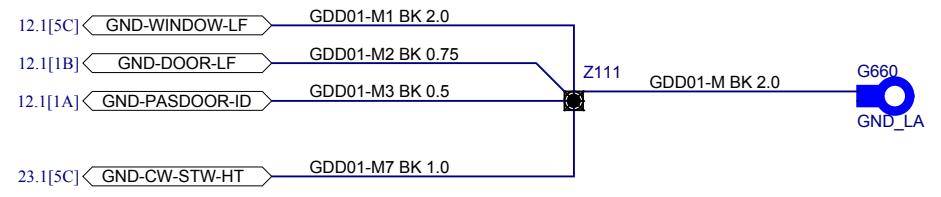
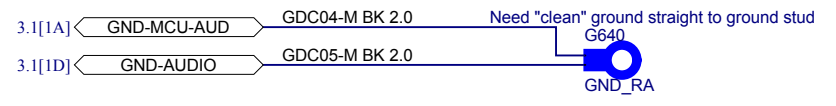
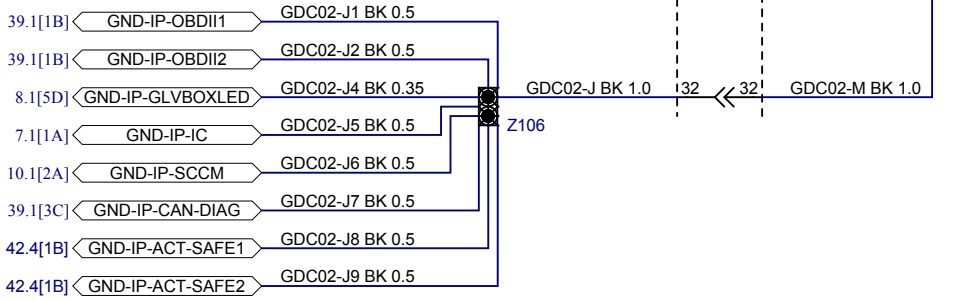
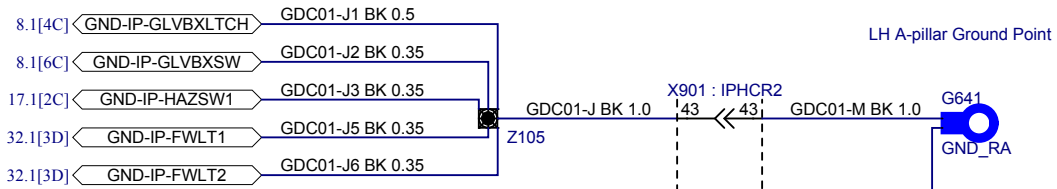
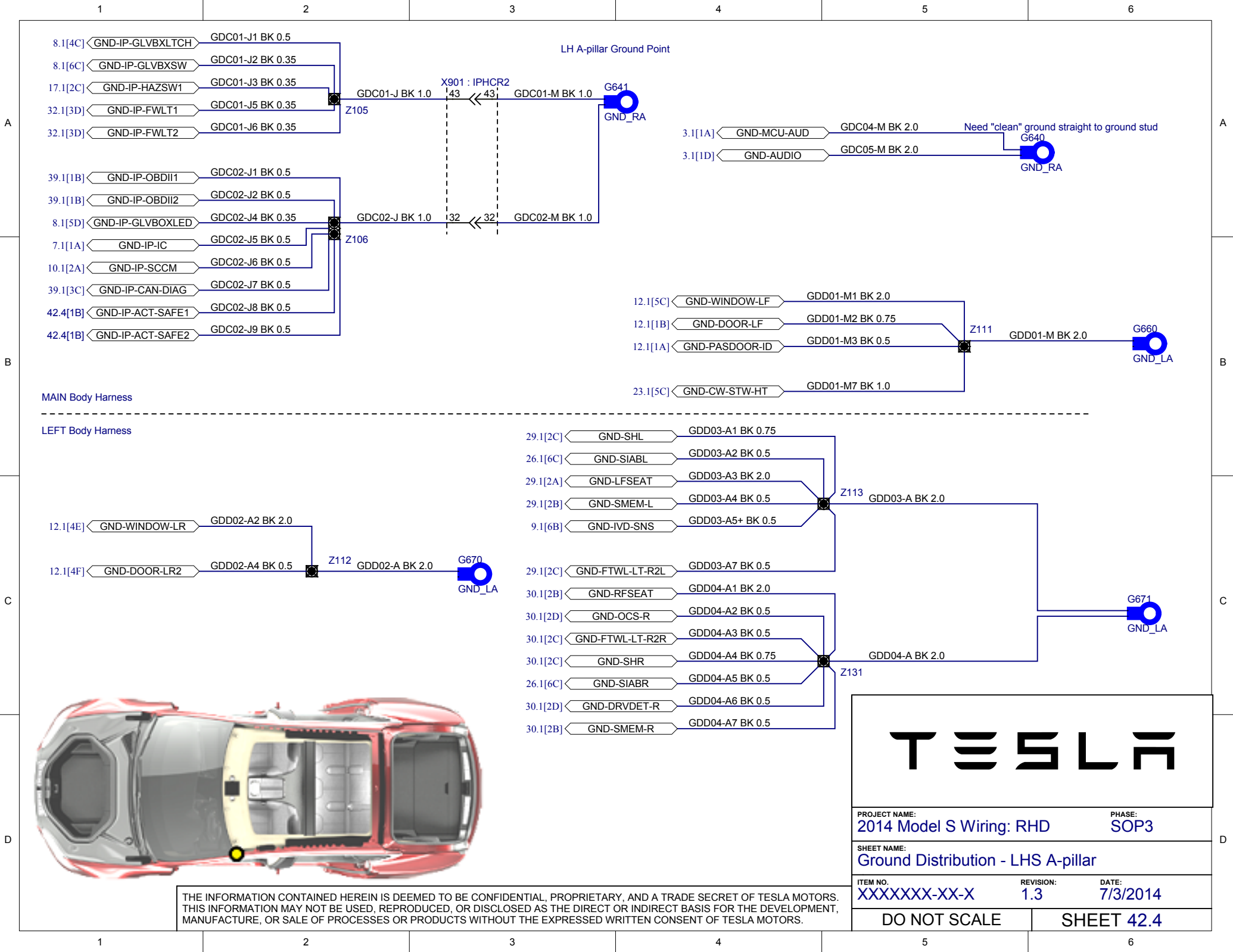
RIGHT Body Harness



TESLA

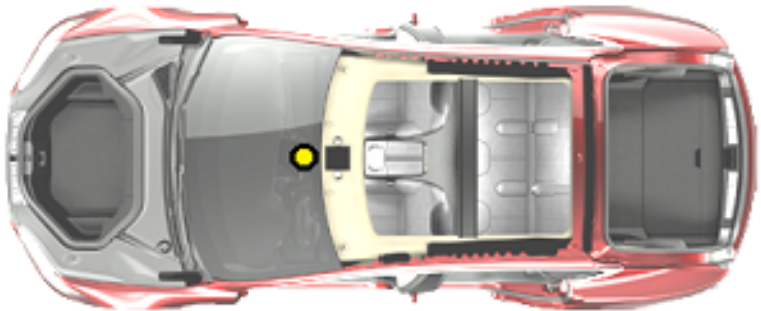
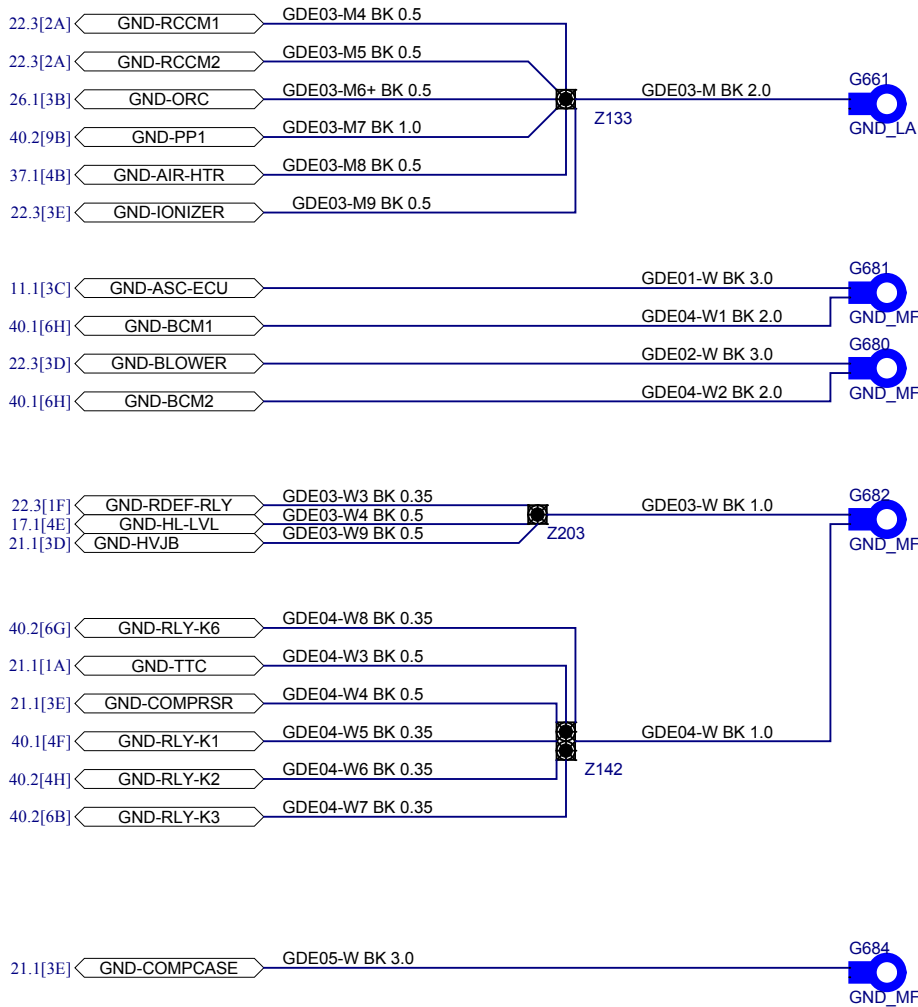
PROJECT NAME: 2014 Model S Wiring: RHD		PHASE: SOP3
SHEET NAME: Ground Distribution - RHS A-Pillar		
ITEM NO. XXXXXXXX-XX-X	REVISION: 1.3	DATE: 7/2/2014
DO NOT SCALE		SHEET 42.3

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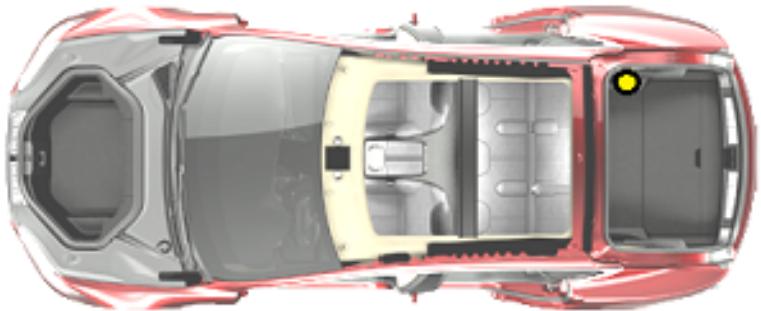
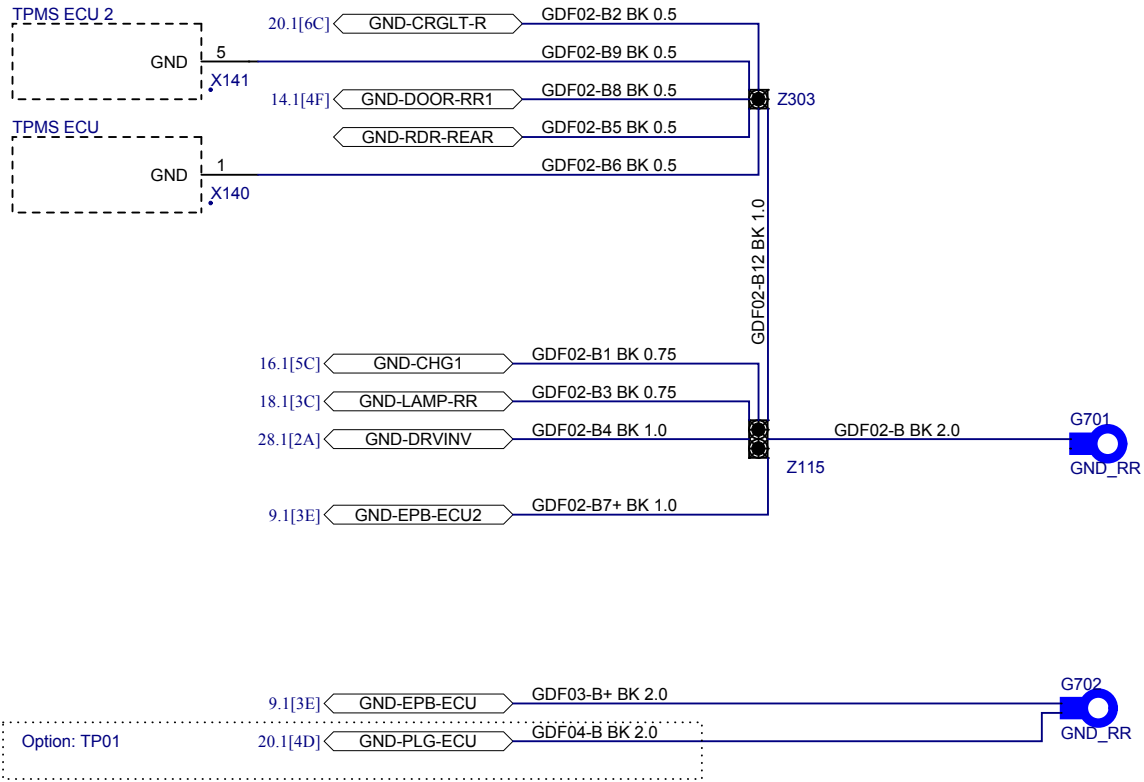
Middle Ground Point



PROJECT NAME: 2014 Model S Wiring: RHD		PHASE: SOP3
SHEET NAME: Ground Distribution - Lower Center Stack		
ITEM NO. XXXXXXXX-XX-X	REVISION: 1.3	DATE: 7/2/2014
DO NOT SCALE		SHEET 42.5

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RR Ground Point - Behind Wheel



TESLA

PROJECT NAME: 2014 Model S Wiring: RHD PHASE: SOP3

SHEET NAME: Ground Distribution - Right Rear

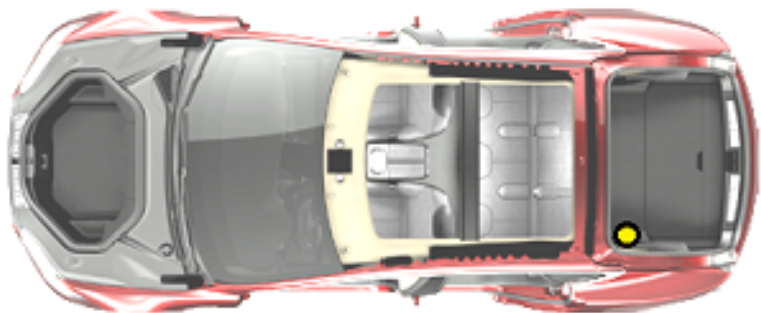
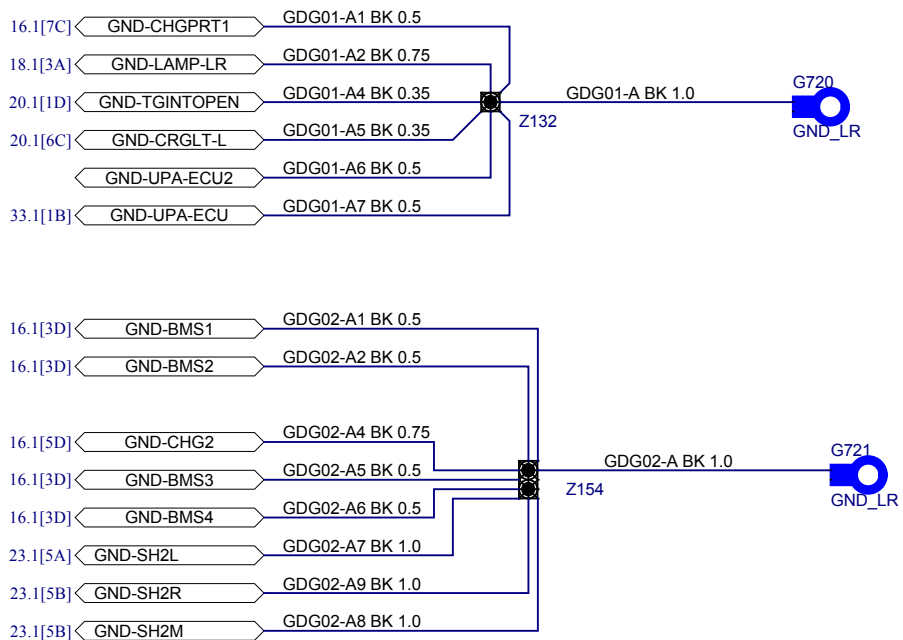
ITEM NO. XXXXXXXX-XX-X REVISION: 1.3 DATE: 7/3/2014

DO NOT SCALE

SHEET 42.6

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LR Ground Point - Behind Wheel



TESLA

PROJECT NAME: 2014 Model S Wiring: RHD PHASE: SOP3

SHEET NAME: Ground Distribution - Left Rear

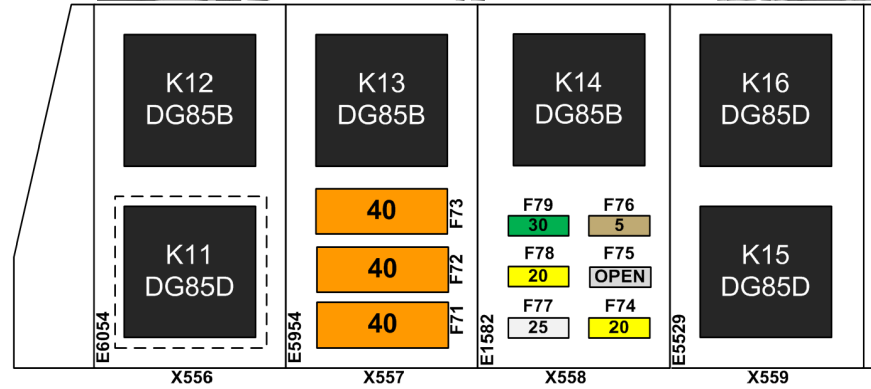
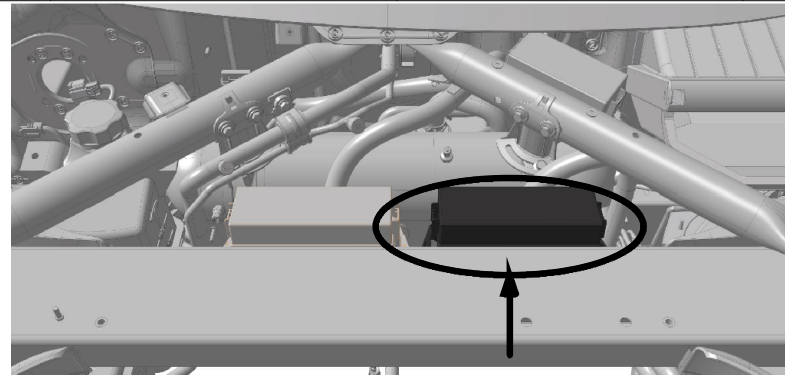
ITEM NO. XXXXXXXX-XX-X REVISION: 1.3 DATE: 8/11/2014

DO NOT SCALE

SHEET 42.7

THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.

Des. Function	Option
K11 Air Suspension Compressor	ASC
K12 Vacuum Pump	ALL
K13 Wiper Park Function	ALL
K14 Wiper Fast Function	ALL
K15 Condenser Fan Power	ALL
K16 Drive Switched Power	ALL
F71 Condenser Fan, Left	ALL
F72 Condenser Fan, Right	ALL
F73 Vacuum Pump	ALL
F74 12V Drive Rail, Cabin	ALL
F75 Spare	ALL
F76 ABS Logic - IGN	ALL
F77 Stability Control Valves	ALL
F78 Headlight Dip/Main Beam	ALL
F79 Lighting (Exterior/Interior)	ALL



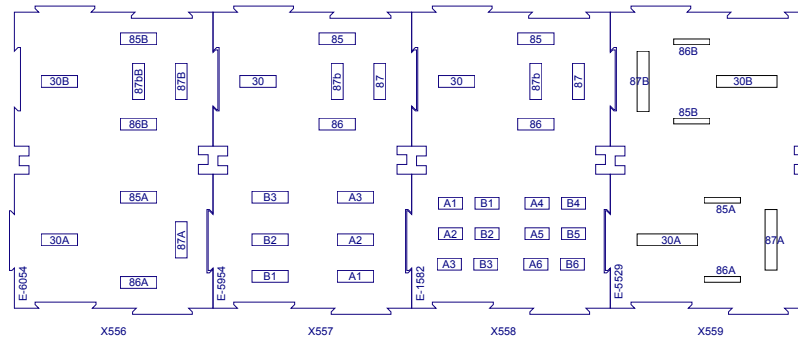
4-Module Top Cover
AssemblyLocation: Delphi

Y5

4-Module Bottom Cover
AssemblyLocation: Delphi

Y6

Assembly AEES R65330-001-A (fuses and relays separate)

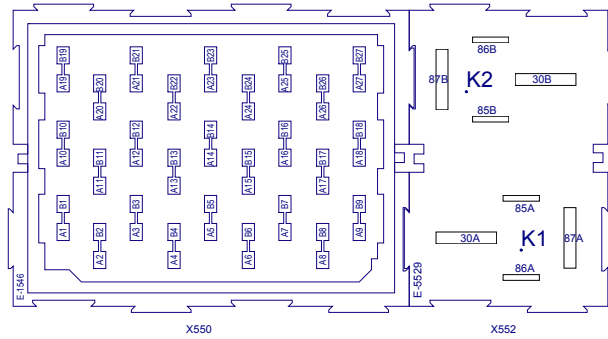
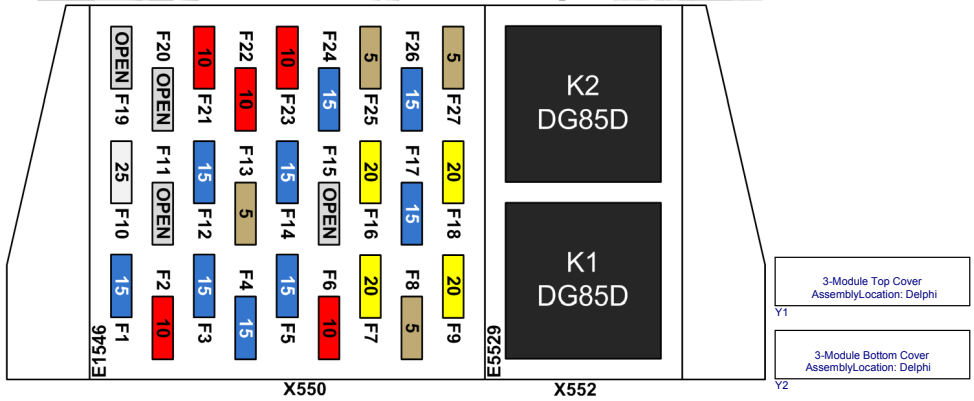
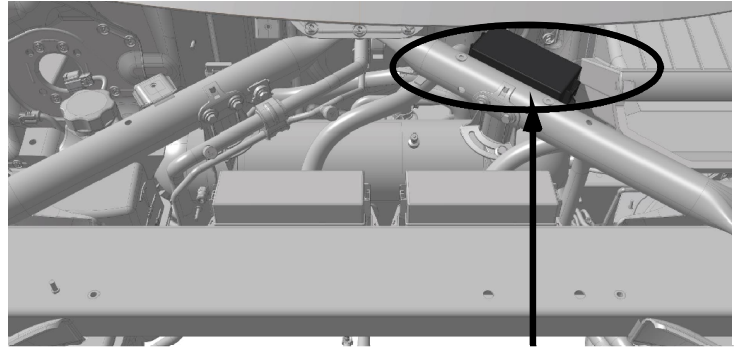


TESLA

PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: Front Fusebox Layout	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 7/2/2014	
DO NOT SCALE DRAWING	SHEET 44.1

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Des. Function	Option
F1 Wiper Park	ALL
F2 Radio, Vanity Lt, Rear View Mirror	ALL
F3 Seat Heater, Second Row Right	CW01
F4 Seat Heater Second Row Middle	CW01
F5 Seat Heater First Row Right	ALL
F6 not used	
F7 Electronic Park Brake (Redundant)	ALL
F8 Steering Wheel Controls	ALL
F9 Audio Amplifier	ALL
F10 Panoramic Sunroof Control	RFPO
F11 not used	
F12 Seat Heater Second Row Left	CW01
F13 Cabin HVAC Functions	ALL
F14 Seat Heater First Row Left	ALL
F15 not used	
F16 Electronic Park Brake, Primary	ALL
F17 Coolant Pump 2	ALL
F18 Premium Audio Amplifier	AU01
F19 not used	
F20 not used	
F21 Park Assist / Blind Zone	PK/BS
F22 Thermal System Controls	ALL
F23 Forward Radar	DSS
F24 Coolant Pump 3	ALL
F25 Drive Inverter, Rear	ALL
F26 Coolant Pump 1	
F27 Airbag Module	ALL
K1 ACC Power Switch	ALL
K2 HVAC Power Switch	ALL

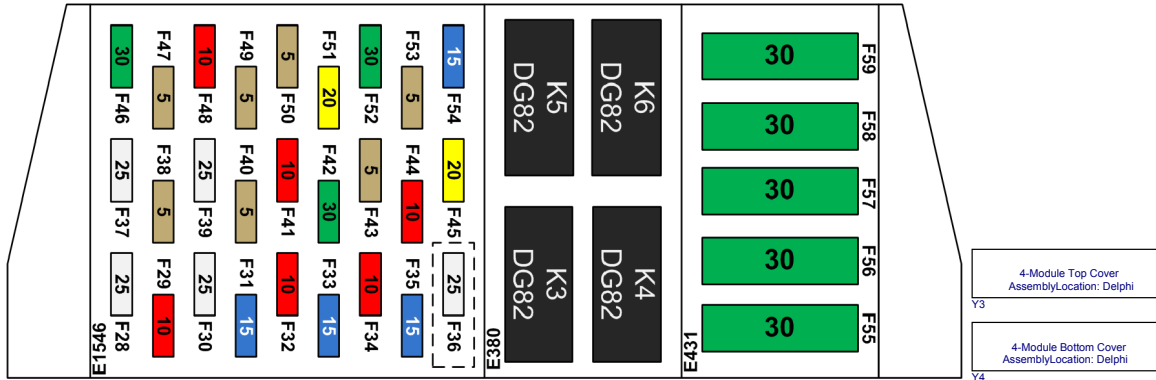
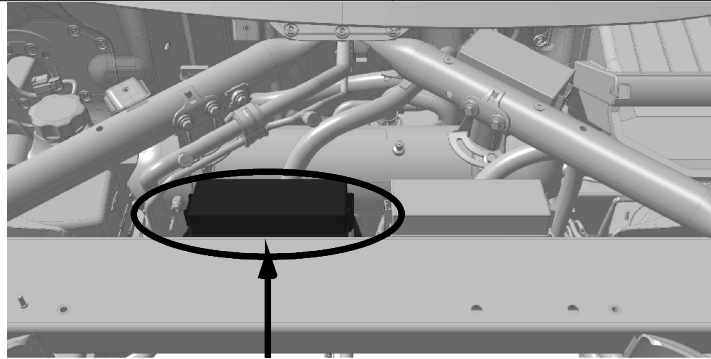


TESLA

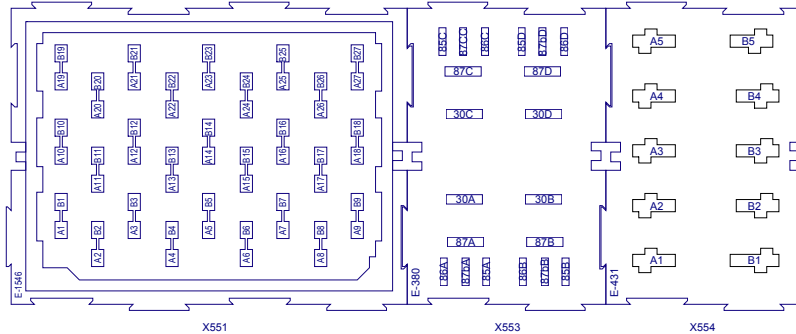
PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: "Cabin" Fusebox 1 Layout	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 8/13/2014	
DO NOT SCALE DRAWING	SHEET 44.2

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Des. Function	Option
F28 Window Lift Motor, Right Rear	ALL
F29 Contactor Power	ALL
F30 Window Lift Motor, Right Front	ALL
F31 Forward Camera / Active Safety	NCAP/DSS
F32 Door Controls, Right Side	ALL
F33 not used	
F34 Forward Camera Defog	NCAP/DSS
F35 12V Accessory Outlet	ALL
F36 Air Suspension Control, Valves	ASC
F37 Window Lift Motor, Left Rear	ALL
F38 Driver's Seat Memory	ALL
F39 Window Lift Motor, Left Front	ALL
F40 Rear Door Handles	ALL
F41 Door Controls, Left Side	ALL
F42 Power Liftgate	PLG
F43 Perm. Power Sense, Brake Sw.	ALL
F44 Chargers, Charge Port	ALL
F45 Passive Entry, Horns, Security	ALL
F46 Body Controls, Group 2	ALL
F47 Glove Box Light, OBD-II	ALL
F48 Body Controls, Group 1	ALL
F49 Instrument Cluster	ALL
F50 Siren, Intrusion/Tilt Sensor	SP01
F51 Center Display	ALL
F52 Rear Window Defrost Grid	ALL
F53 Battery Management System	ALL
F54 Wiper De-Icer	CW01
F55 Left Front Seat Adjust Motor	ALL
F56 Right Front Seat Adjust Motor	ALL
F57 Cabin Fan	ALL
F58 12V Outlet / Forward Camera Sub.	ALL
F59 not connected	
K3 12V Outlet Switch	ALL
K4 Wiper De-Icer	CW01
K5 Rear Defrost Grid	ALL
K6 not used	



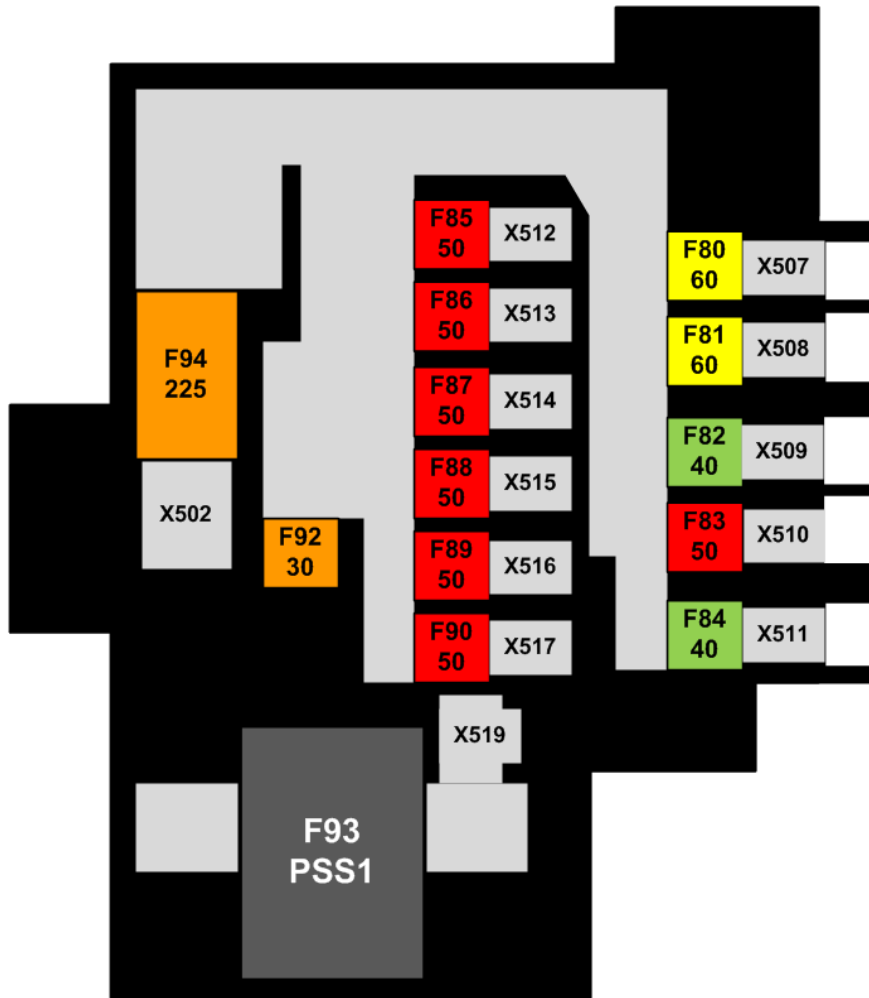
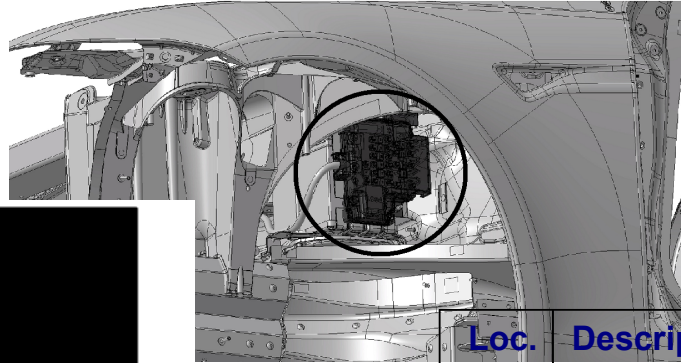
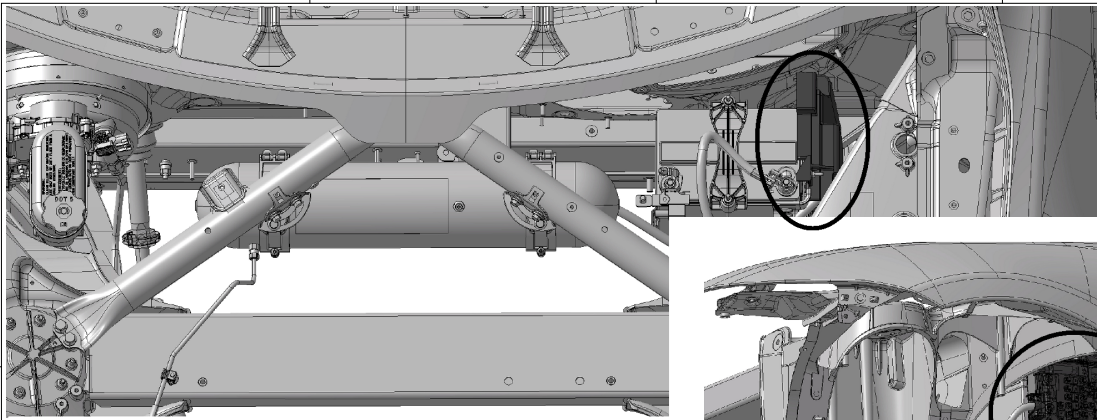
Assembly AEES R65329-001-A (fuses and relays separate)



TESLA

PROJECT NAME: 2014 Model S Wiring: RHD	PHASE: SOP3
SHEET NAME: "Cabin" Fusebox 2 Layout	
ITEM NO: XXXXXX-XX-X	REVISION: 1.3
DATE: 7/2/2014	
DO NOT SCALE DRAWING	SHEET 44.2

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Loc.	Description / Function	Type	Des.
F80	Power Steering	MIDI	X507
F81	Condenser Fans Master Fuse	MIDI	X508
F82	Air Suspension Compressor	MIDI	X509
F83	Jump Post	MIDI	X510
F84	ABS Motor	MIDI	X511
F85	Drive 12V Power Master Fuse	MIDI	X512
F86	ACC 12V Bus Master Fuse	MIDI	X513
F87	Permanent Power Group 1	MIDI	X514
F88	Permanent Power Group 2	MIDI	X515
F89	Permanent Power Group 3	MIDI	X516
F90	HVAC 12V Bus Master Fuse	MIDI	X517
F92	Contactor Power	MIDI	X503
F93	BDS: Contactor Power Cutoff	PSS1	X519
F94	Battery-DCDC Master Fuse	MEGA	X502

TESLA

PROJECT NAME: 2014 Model S Wiring: RHD PHASE: SOP3

SHEET NAME: Battery-Mounted Fusebox Layout

ITEM NO. XXXXXXXX-XX-X REVISION: 1.3 DATE: 7/2/2014

DO NOT SCALE

SHEET 44.4

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