



Electrical Guide

X-TYPE

Sedan and Estate (Wagon)

2.0 L, 2.5 L and 3.0 L Gasoline;

2.0 L and 2.2 L, Diesel

VIN: J04731 >

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Figure and Data Page Layout

Figure Pages

Each Figure represents a specific electrical system of the vehicle. The Figures are arranged numerically by system (**01 – Power Distribution, 02 – Battery; Starter; Generator**, etc.) with variations in the system identified by a numeral following a decimal point (**01.1, 01.2**, etc.). Refer to the **Table of Contents: Figures** for a complete list of the Figures.

The Figures **01 – Power Distribution** detail the distribution of power to each of the systems. Numbered reference symbols refer the user to a specific Figure and from a specific Figure back to the Power Distribution Figures. This method eliminates the need to include detailed Power Distribution information on each of the Figures. The reference symbols are defined on page 9.

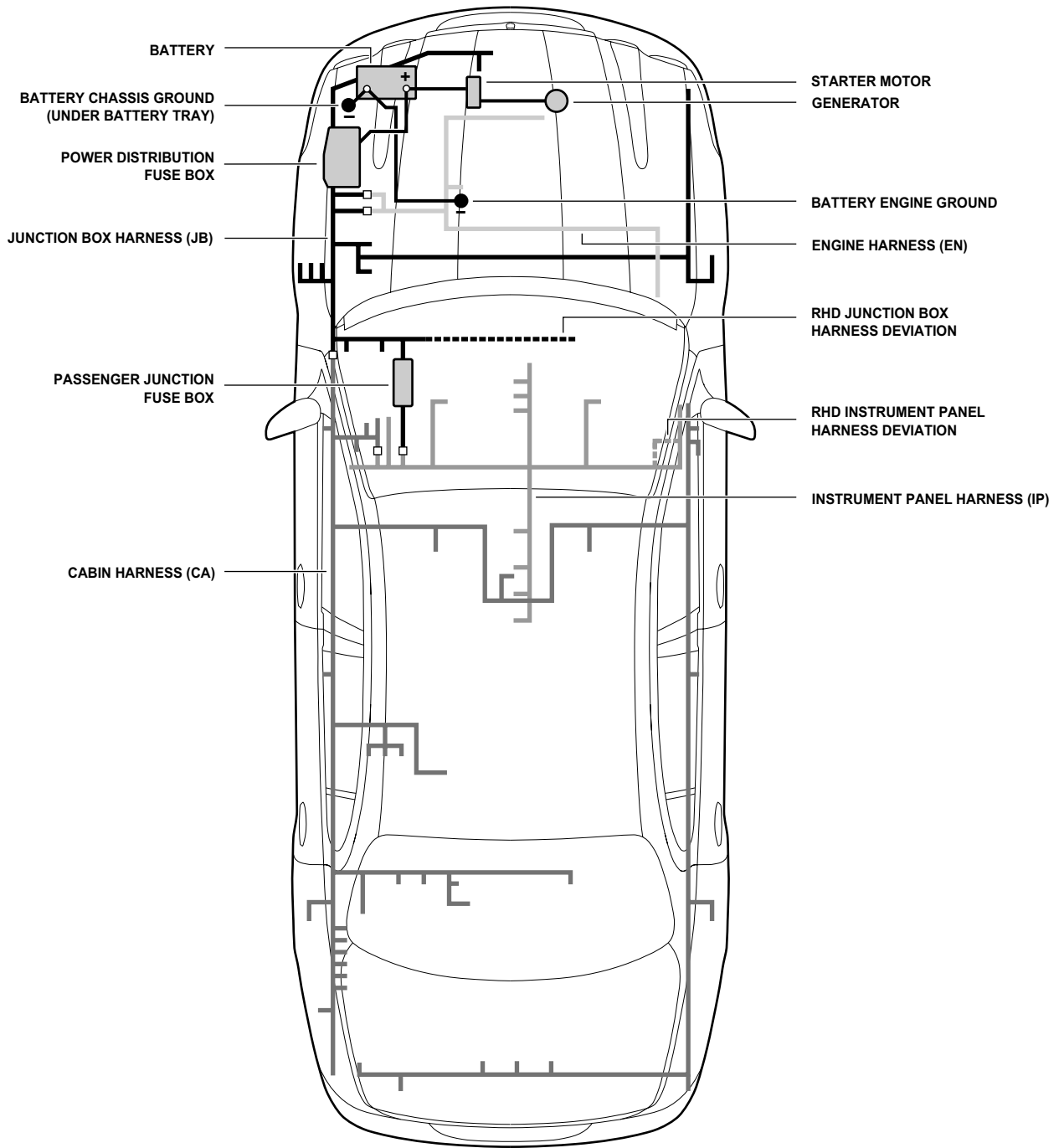
Each Figure appears on a right-hand page with a corresponding Data page to the left. The Figure and Data pages are folding pages. The user must fold out both pages in order to access all the information provided.

Data Pages

The Data page includes information to assist the user in identifying and locating components, connectors and grounds. This information is supplemented by the illustrations in this front section of the book.

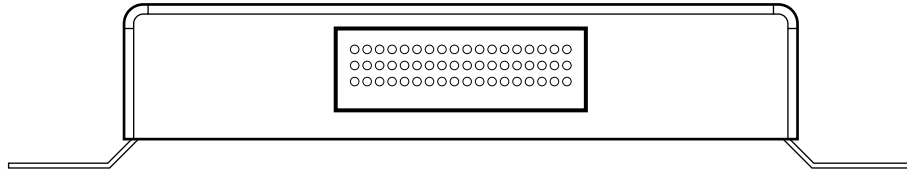
Most circuits that incorporate a control module include pin-out information. The characteristics listed are approximately those that can be expected at the control module connector pins with all circuit connections made and all components connected and fitted. This information is provided to assist the user in understanding circuit operation and should be used **FOR REFERENCE ONLY**.

SEDAN (GASOLINE ENGINE SHOWN)



harn_fuse_box.loc_4000625

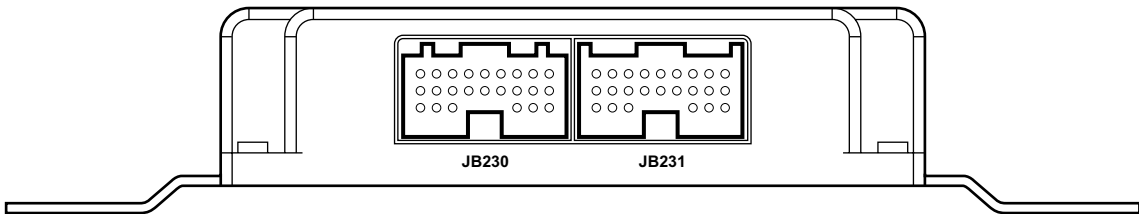
TRANSMISSION CONTROL MODULE - 16 BIT



JB131 / 54-WAY / BLACK

18 R	17 B	16 O	15 B	14 N	13 G	12 G	11 -	10 W	9 B	8 R	7 O	6 UY	5 O	4 U	3 G	2 -	1 -
36 WU	35 -	34 Y	33 Y	32 -	31 -	30 U	29 -	28 -	27 Y	26 S	25 W	24 N	23 -	22 -	21 G	20 R	19 -
54 WU	53 Y	52 G	51 -	50 -	49 -	48 -	47 OY	46 BRD	45 BW	44 BRD	43 -	42 BRD	41 -	40 -	39 W	38 B	37 -

TRANSMISSION CONTROL MODULE - 32 BIT

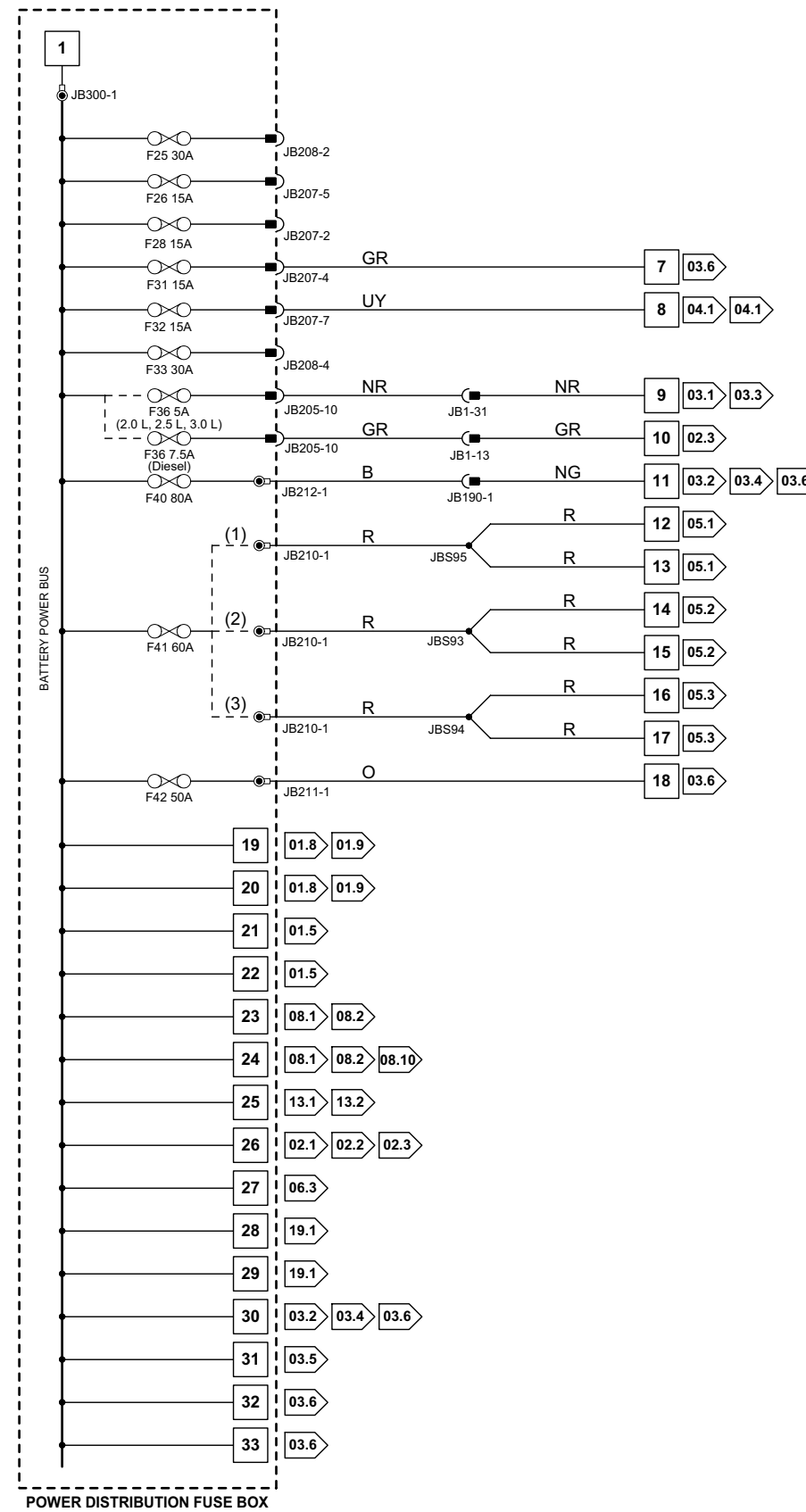


JB230 / 24-WAY / WHITE

1 R	2 G	3 O	4 B	5 Y	6 G	7 W	8 Y	9 -
10 WU	11 B	12 N	13 -	14 Y	15 G	16 -	17 -	18 U
19 WU	20 G	21 U			22 -	23 BRD	24 O	

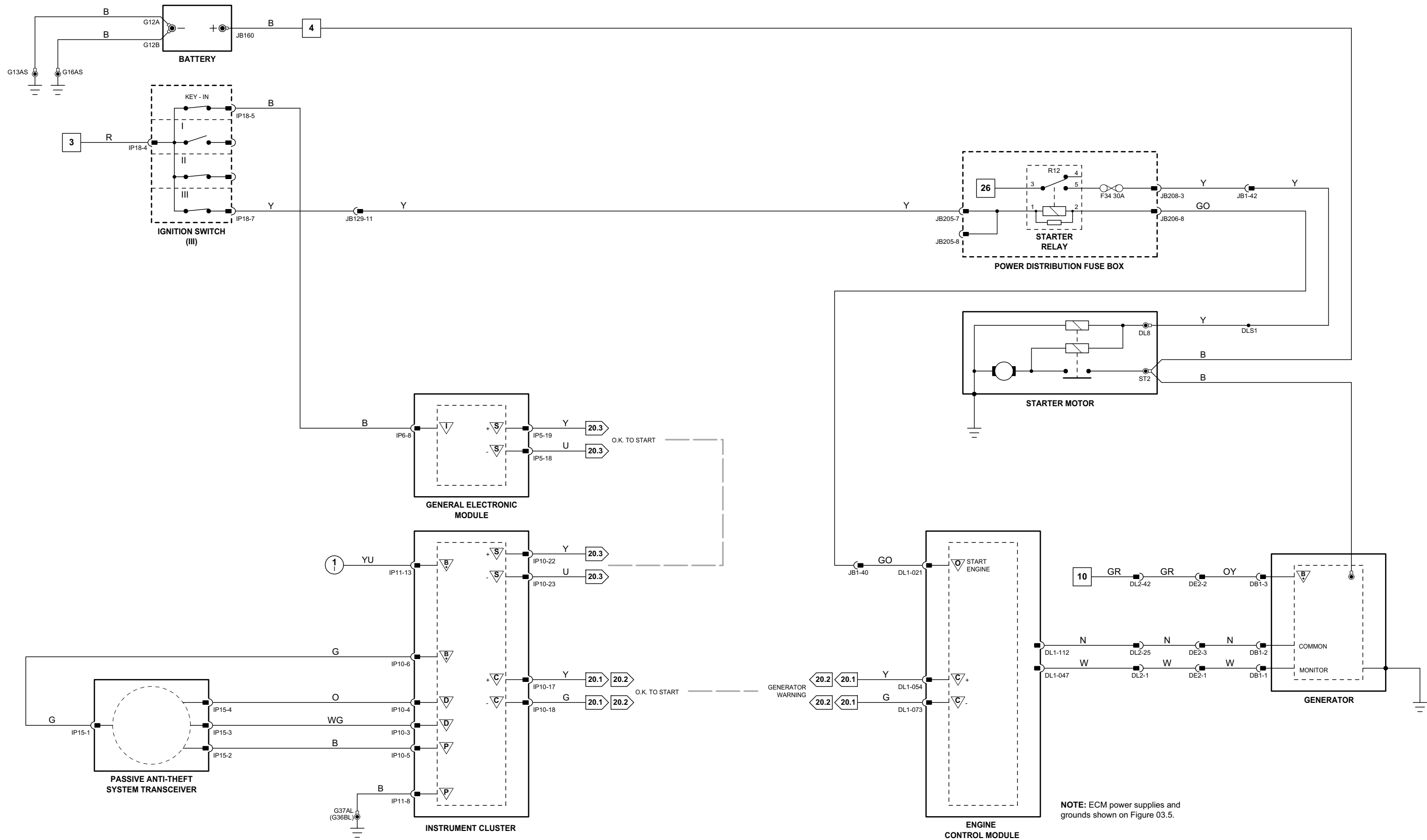
JB231 / 24-WAY / GREY

25 B	26 BRD	27 R	28 UY	29 O	30 -	31 -	32 -	33 -
34 Y	35 S	36 W	37 -	38 N	39 G	40 -	41 OY	42 R
43 BW	44 BRD	45 -				46 -	47 W	48 B



NOTATION:

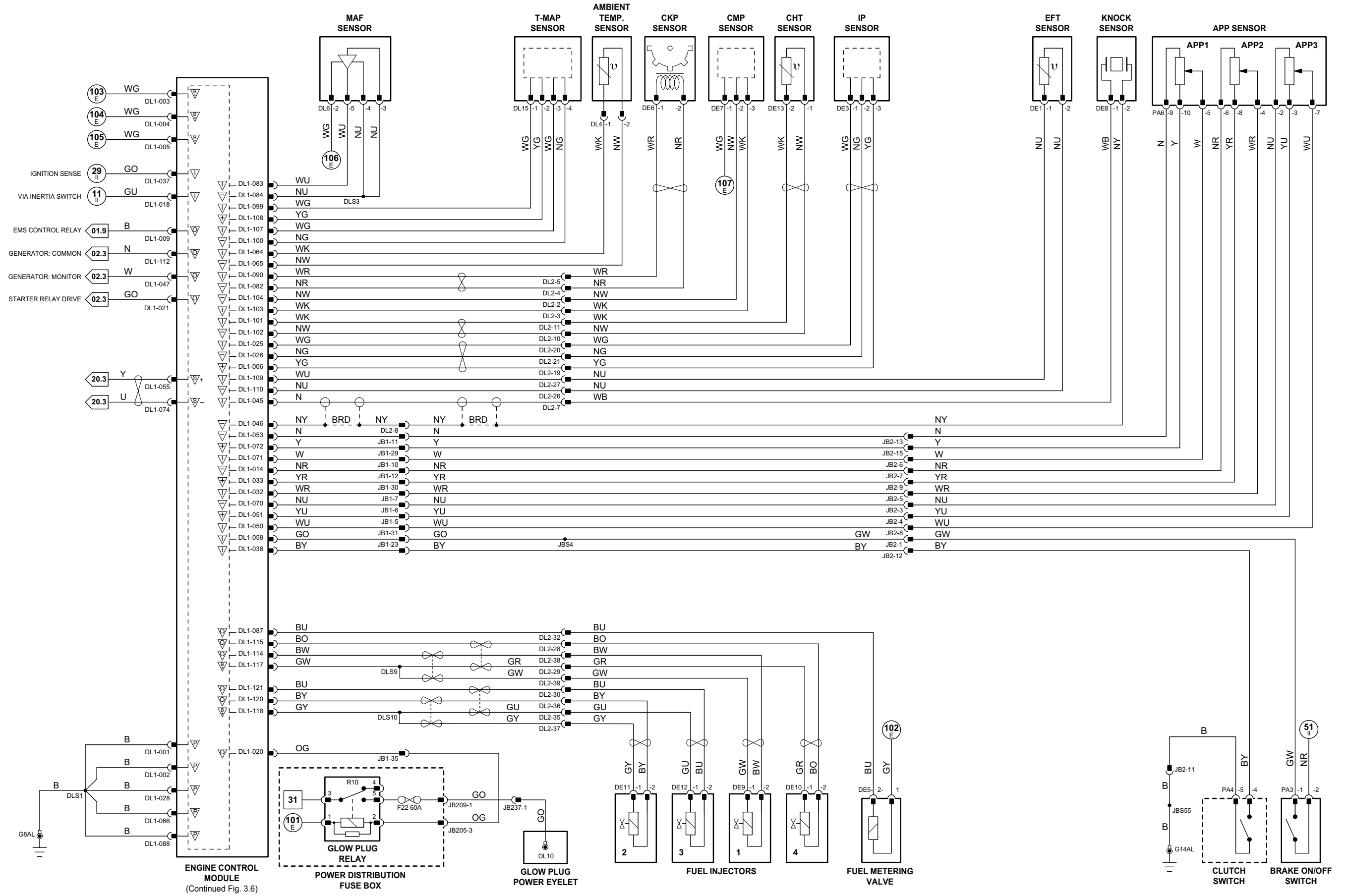
- (1) Vehicles with Anti-Lock Braking (ABS) only
- (2) Vehicles with ABS and Traction Control
- (3) Vehicles with Dynamic Stability Control

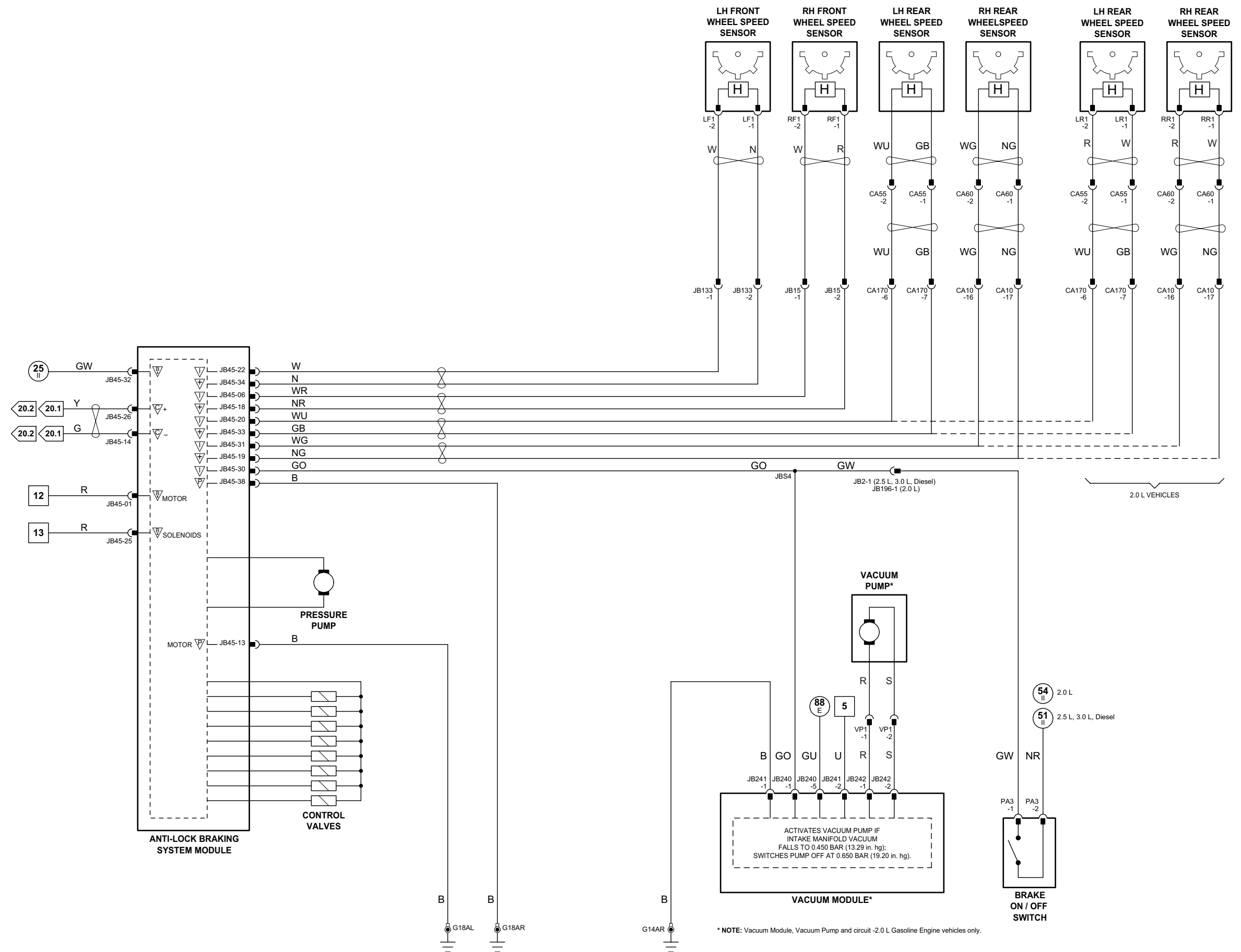


NOTE: ECM power supplies and grounds shown on Figure 03.5.

1 → 6 Fig. 01.1	34 → 80 Fig. 01.3	11 → 31 Fig. 01.5	67 → 76 Fig. 01.7	98 → 107 Fig. 01.9	Input	Battery Voltage	Sensor/Signal Supply V	CAN	D2B Network
7 → 33 Fig. 01.2	1 → 10 Fig. 01.4	32 → 66 Fig. 01.6	77 → 97 Fig. 01.8		Output	Power Ground	Sensor/Signal Ground	SCP	Serial and Encoded Data

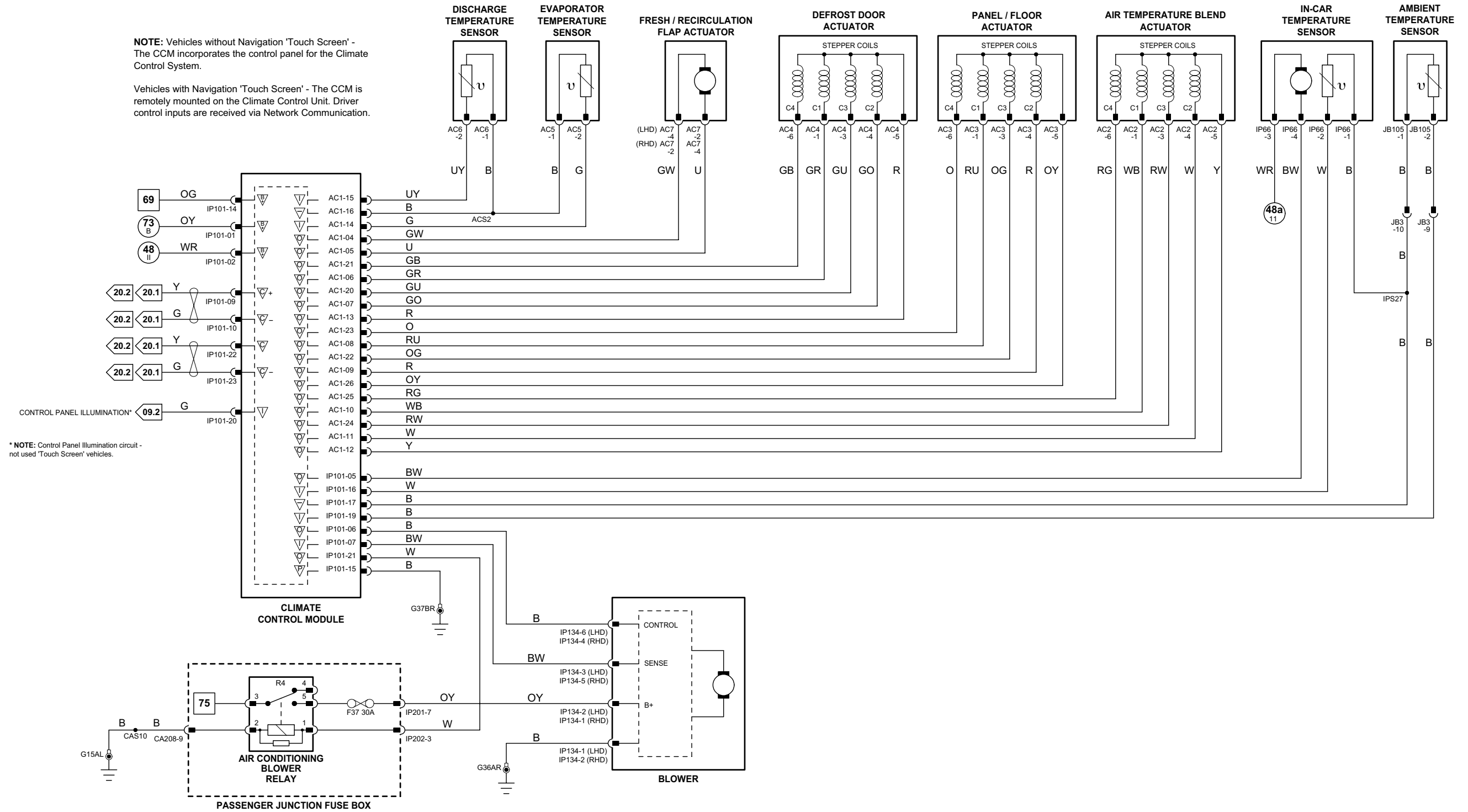
VARIANT: Diesel Engine Vehicles
 VIN RANGE: All
 DATE OF ISSUE: May 2007





NOTE: Vehicles without Navigation 'Touch Screen' - The CCM incorporates the control panel for the Climate Control System.

Vehicles with Navigation 'Touch Screen' - The CCM is remotely mounted on the Climate Control Unit. Driver control inputs are received via Network Communication.



NOTE: Refer to Figure 03.2, 03.4 or 03.6 for A/C Compressor Clutch and Cooling Fan circuits.

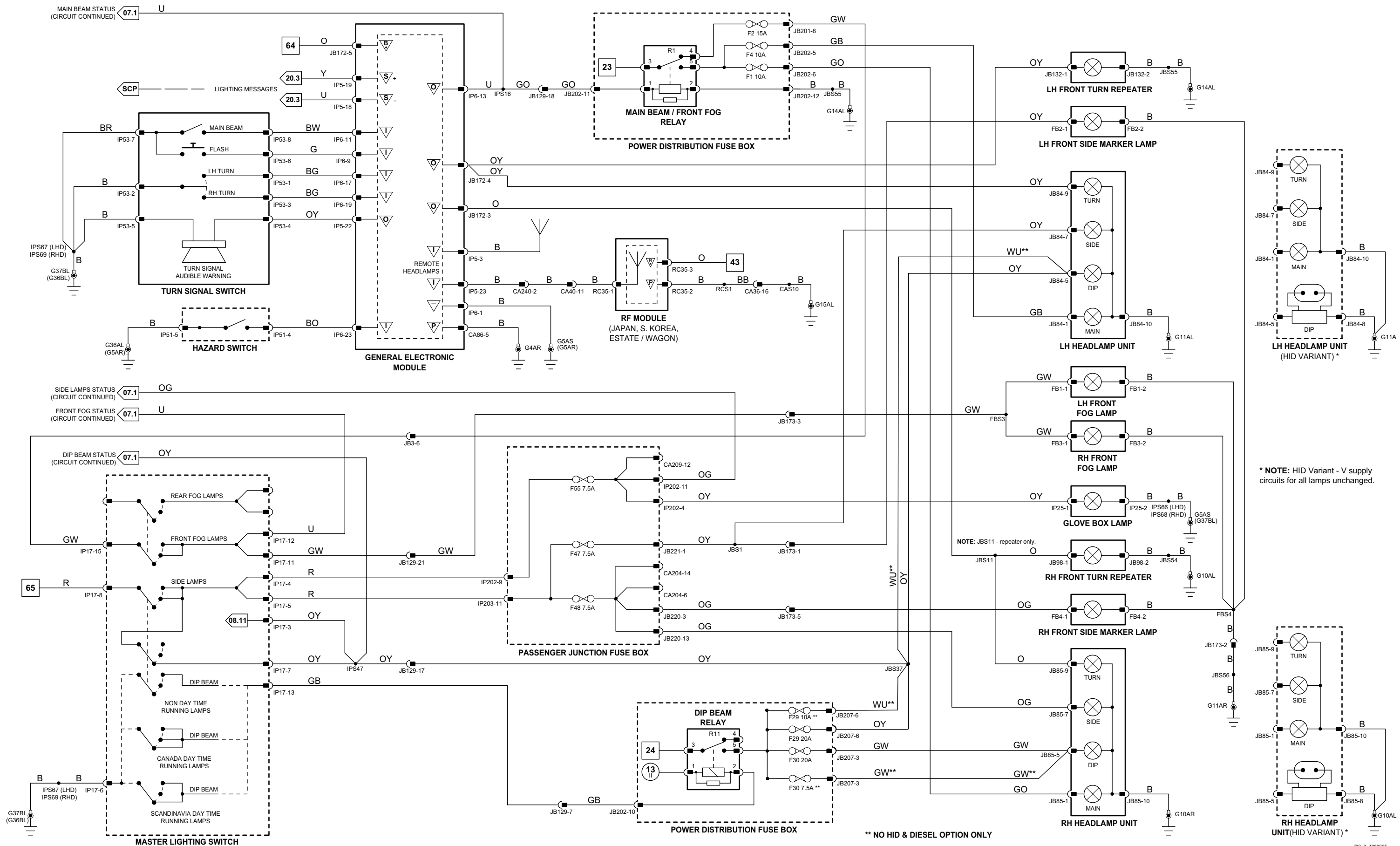
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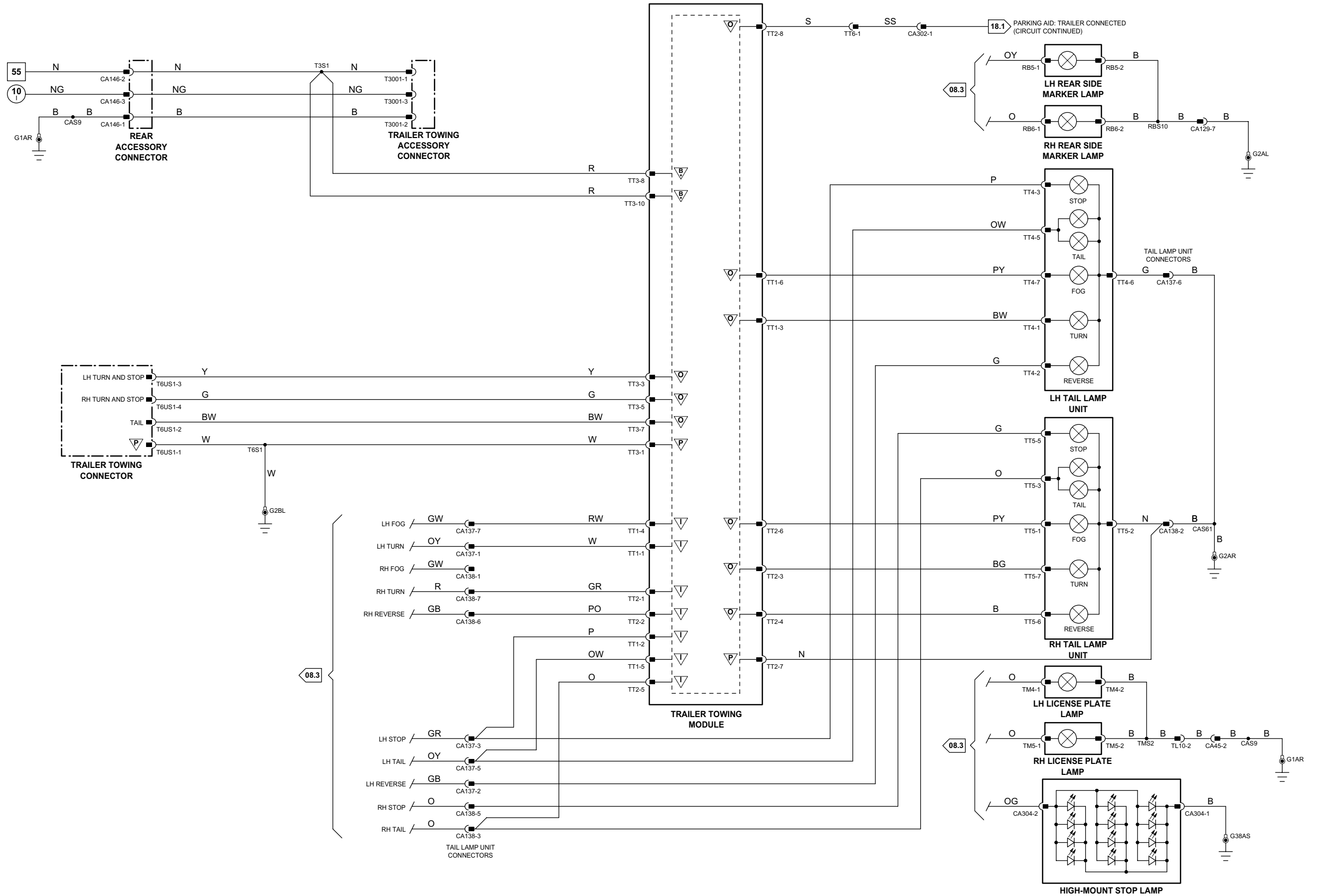
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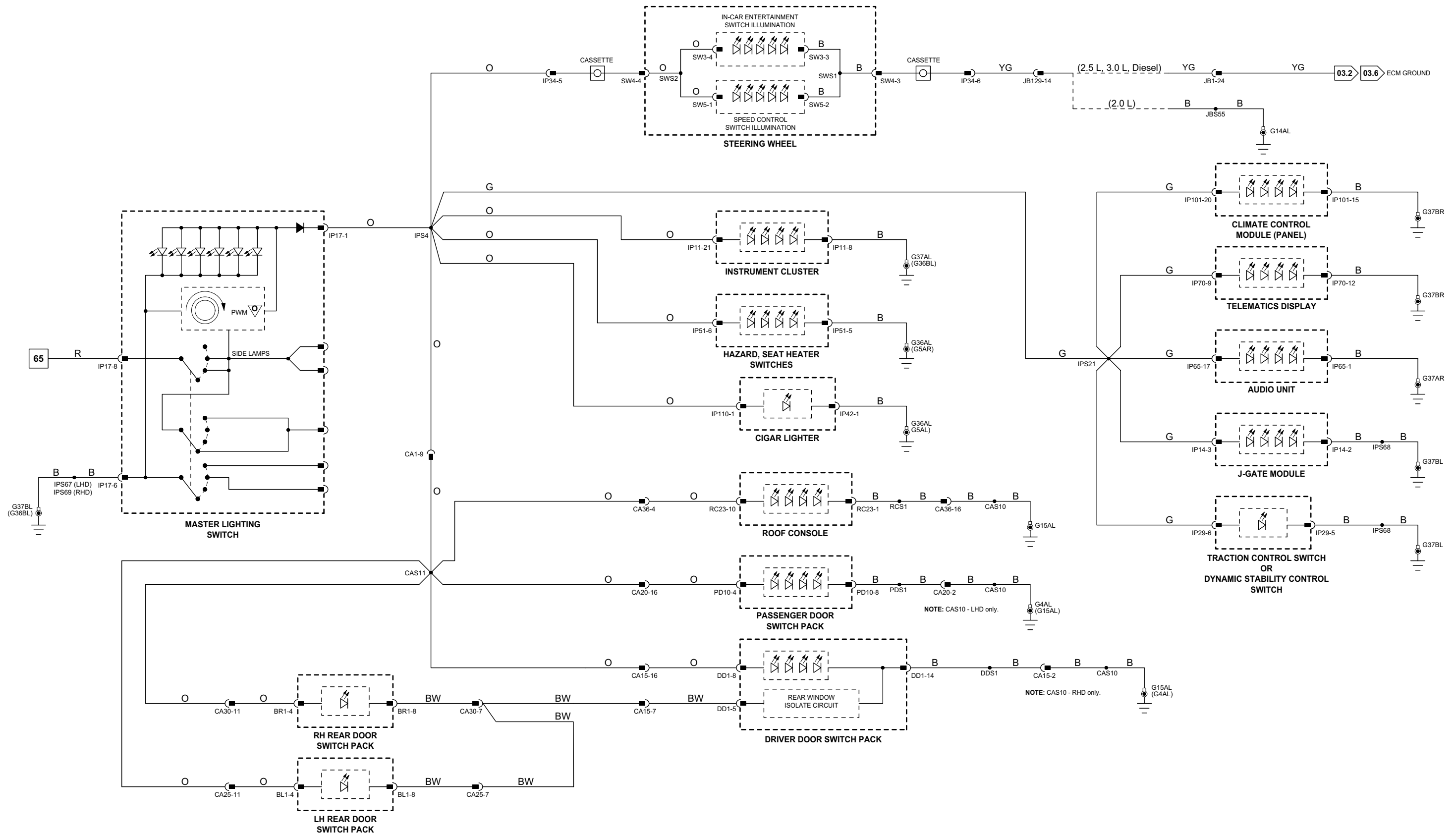
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1 → 6 Fig. 01.1	34 → 80 Fig. 01.3	11 → 31 Fig. 01.5	67 → 76 Fig. 01.7	98 → 107 Fig. 01.9	Input	Battery Voltage	Sensor/Signal Supply V	CAN	D2B Network
7 → 33 Fig. 01.2	1 → 10 Fig. 01.4	32 → 66 Fig. 01.6	77 → 97 Fig. 01.8		Output	Power Ground	Sensor/Signal Ground	SCP	Serial and Encoded Data

VARIANT: Non Autolamp Vehicles; Daytime Running Lamp Vehicles
VIN RANGE: All
DATE OF ISSUE: May 2007

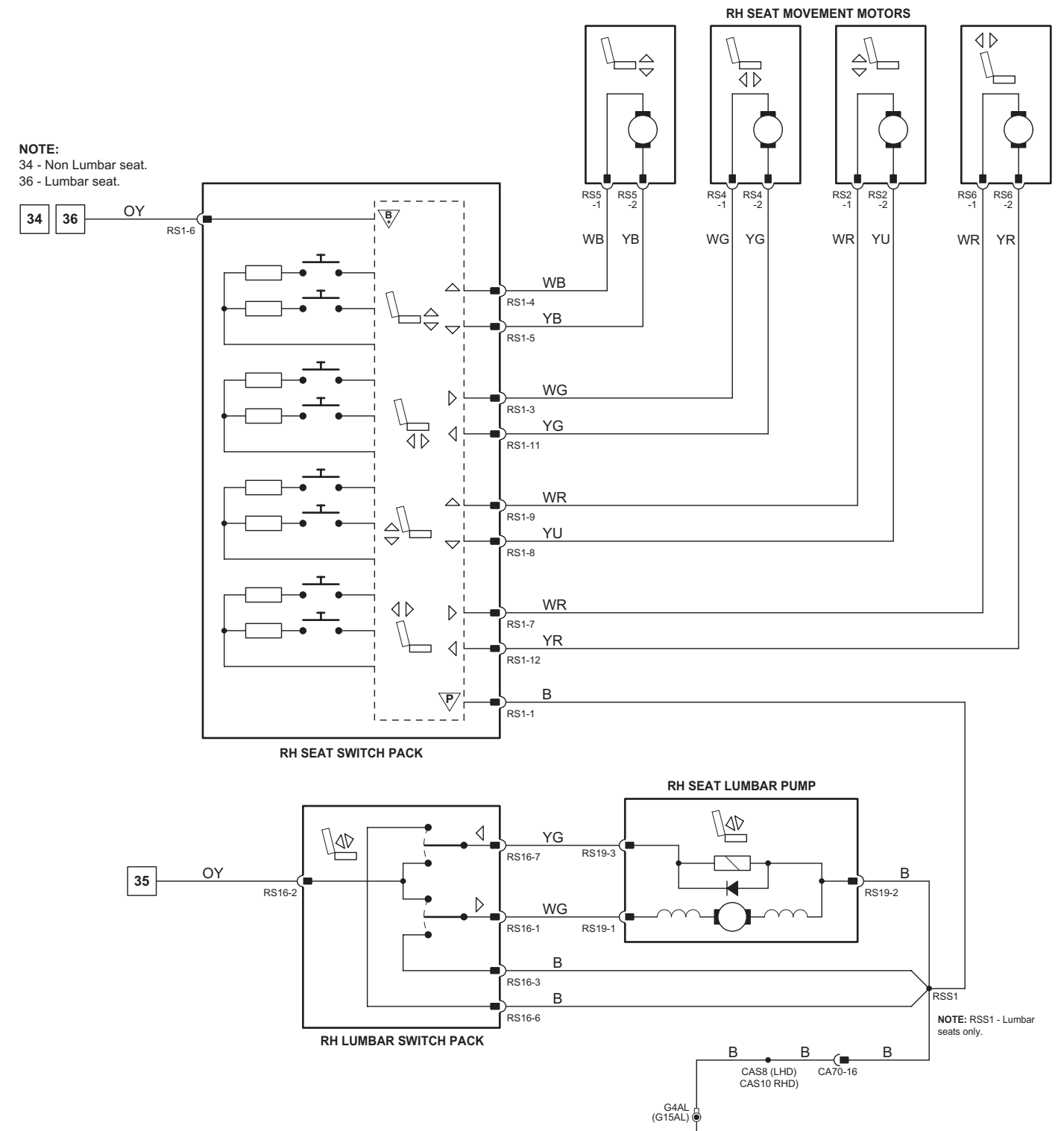
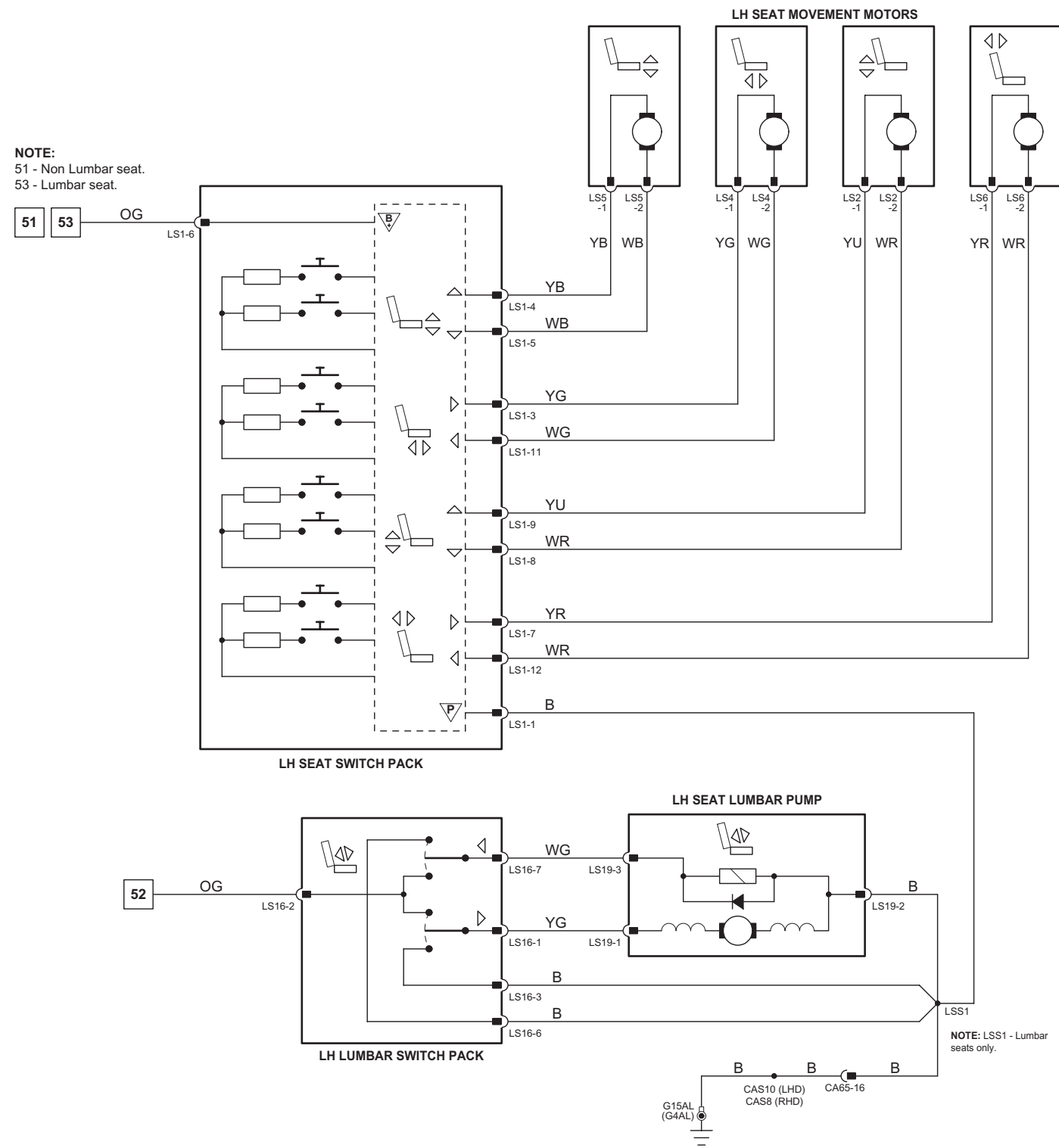




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1 → 6 Fig. 01.1	34 → 80 Fig. 01.3	11 → 31 Fig. 01.5	67 → 76 Fig. 01.7	98 → 107 Fig. 01.9	Input	Battery Voltage	Sensor/Signal Supply V	CAN	D2B Network
7 → 33 Fig. 01.2	1 → 10 Fig. 01.4	32 → 66 Fig. 01.6	77 → 97 Fig. 01.8		Output	Power Ground	Sensor/Signal Ground	SCP	Serial and Encoded Data

VARIANT: All Vehicles
 VIN RANGE: All
 DATE OF ISSUE: May 2007

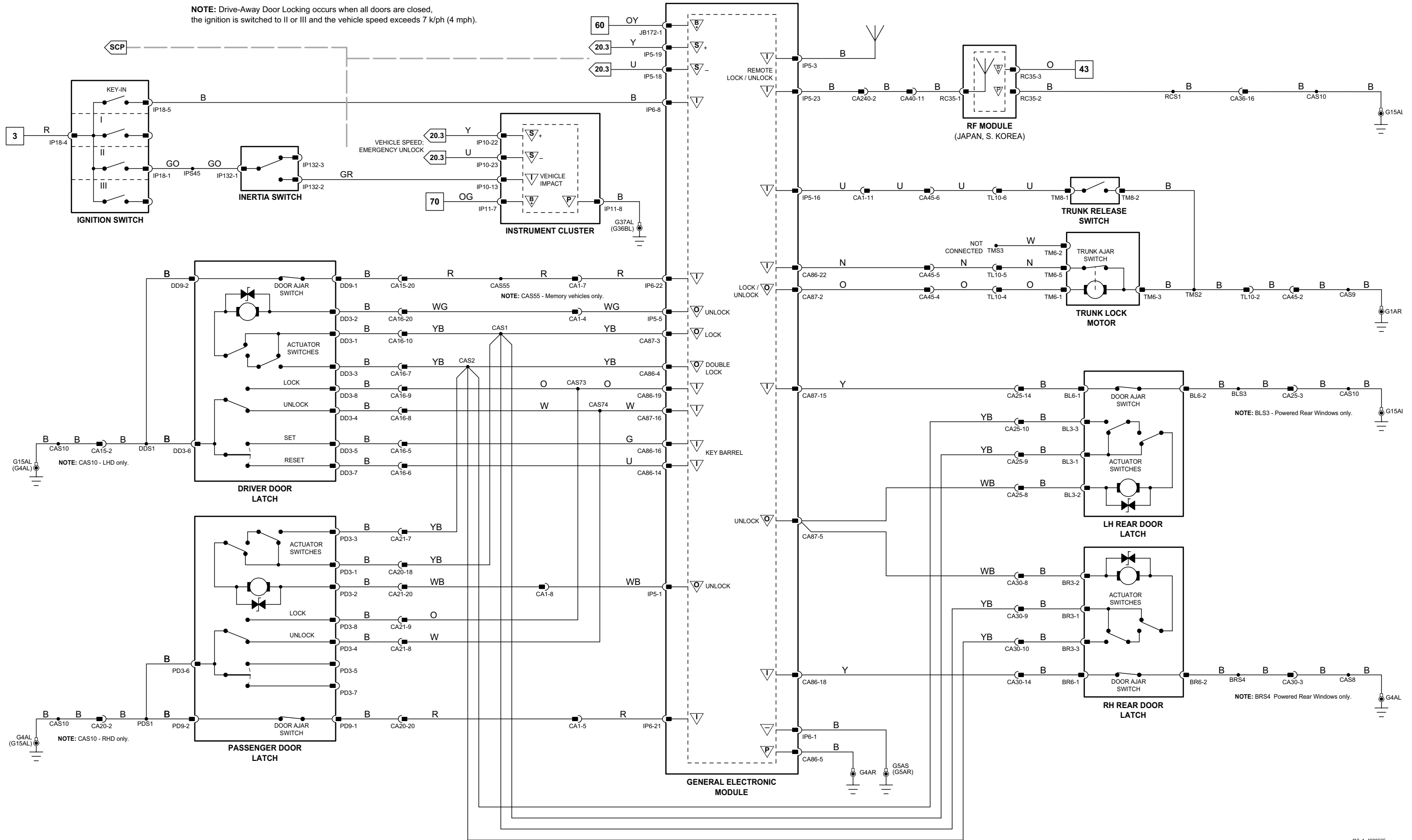


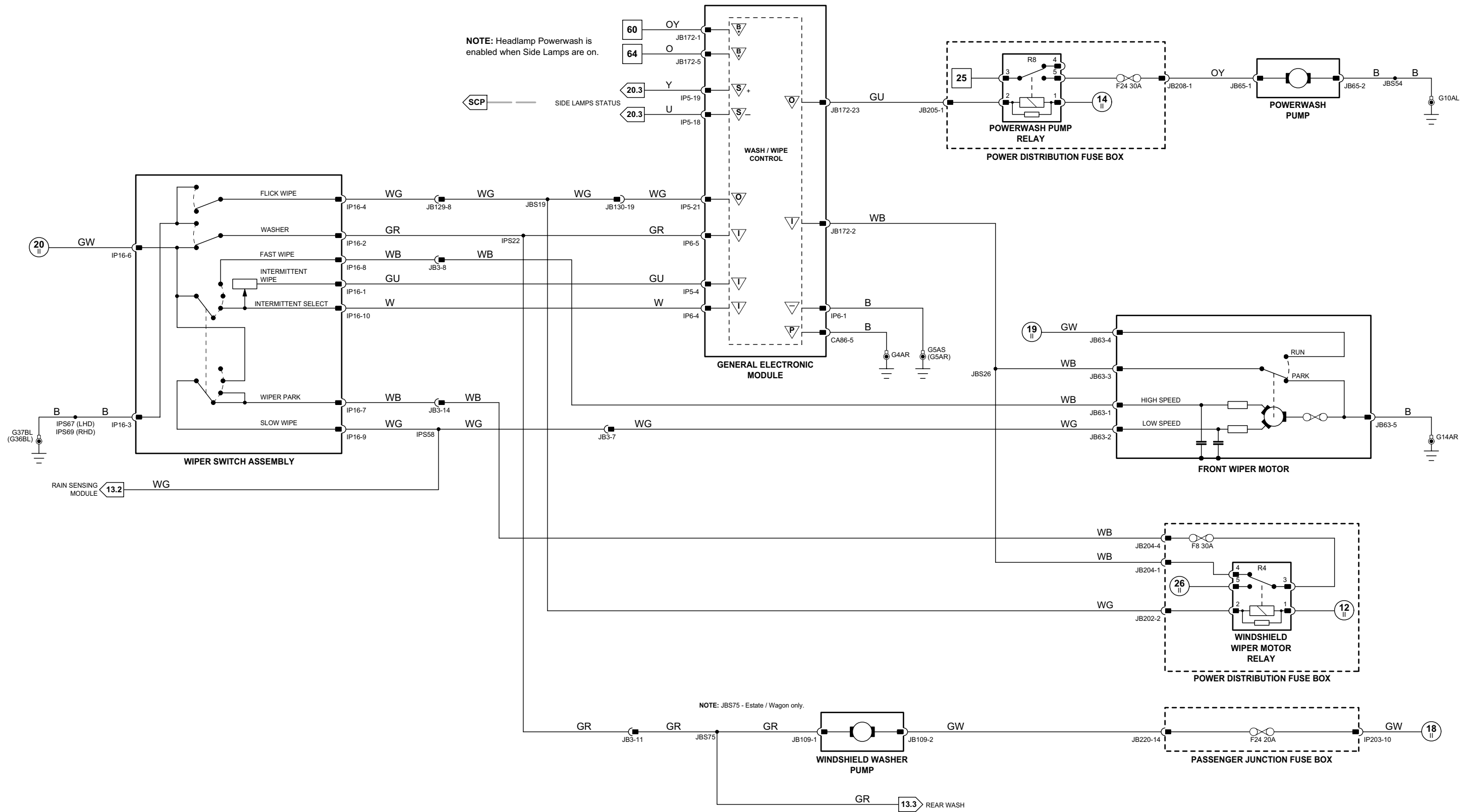
NOTE: Powered Lumbar circuit and components - Powered Lumbar seats only.

1 → 6 Fig. 01.1	34 → 80 Fig. 01.3	11 → 31 Fig. 01.5	67 → 76 Fig. 01.7	98 → 107 Fig. 01.9	Input	Battery Voltage	Sensor/Signal Supply V	CAN	D2B Network
7 → 33 Fig. 01.2	1 → 10 Fig. 01.4	32 → 66 Fig. 01.6	77 → 97 Fig. 01.8		Output	Power Ground	Sensor/Signal Ground	SCP	Serial and Encoded Data

VARIANT: 8-way Powered Seat Vehicles
VIN RANGE: All
DATE OF ISSUE: May 2007

NOTE: Drive-Away Door Locking occurs when all doors are closed, the ignition is switched to II or III and the vehicle speed exceeds 7 k/ph (4 mph).

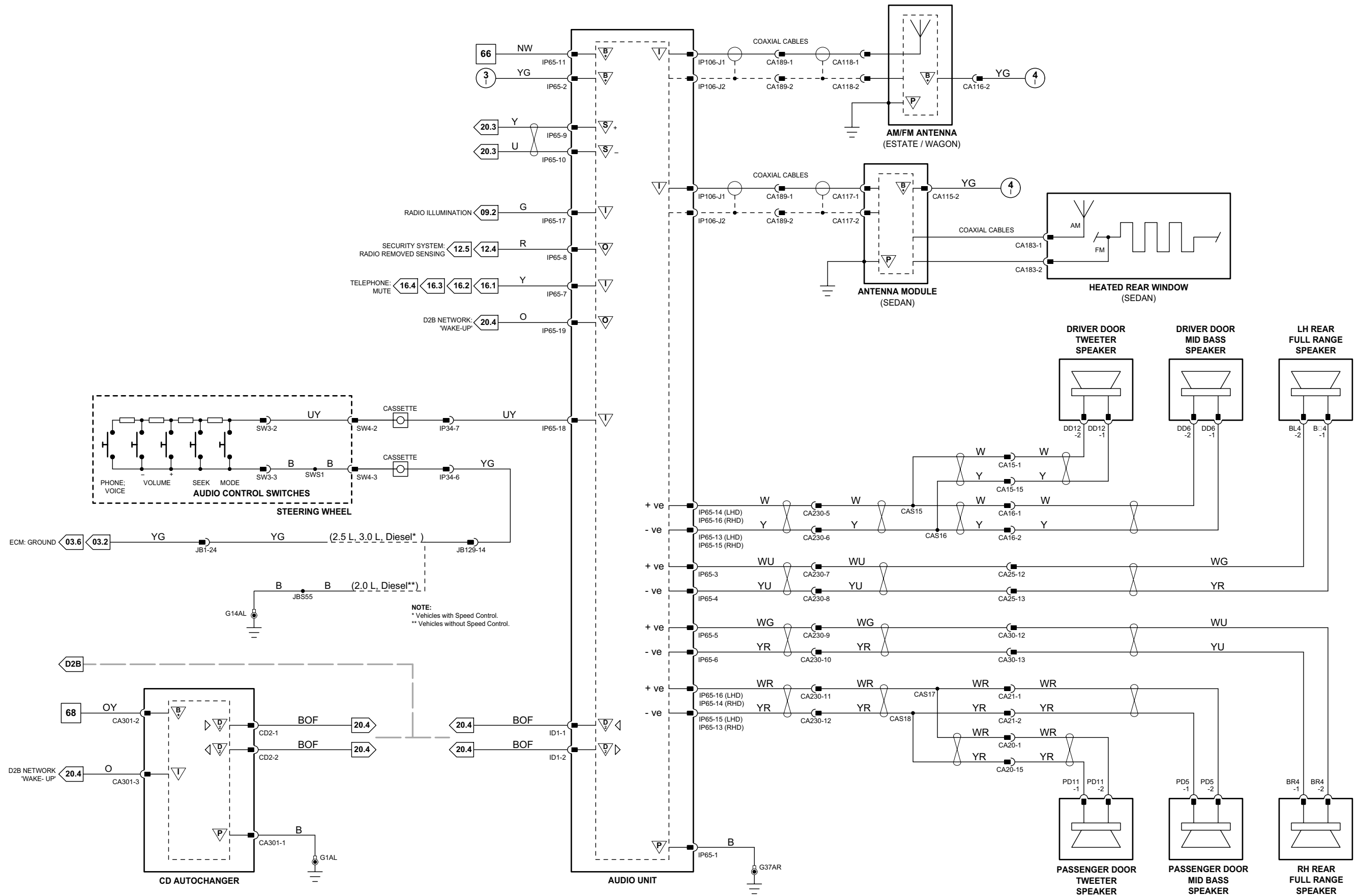




113_1_4000625

1 → 6 Fig. 01.1	34 → 80 Fig. 01.3	11 → 31 Fig. 01.5	67 → 76 Fig. 01.7	98 → 107 Fig. 01.9	Input	Battery Voltage	Sensor/Signal Supply V	CAN	D2B Network
7 → 33 Fig. 01.2	1 → 10 Fig. 01.4	32 → 66 Fig. 01.6	77 → 97 Fig. 01.8		Output	Power Ground	Sensor/Signal Ground	SCP	Serial and Encoded Data

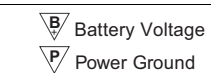
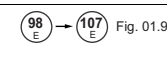
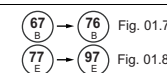
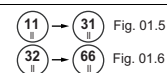
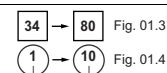
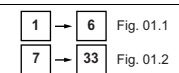
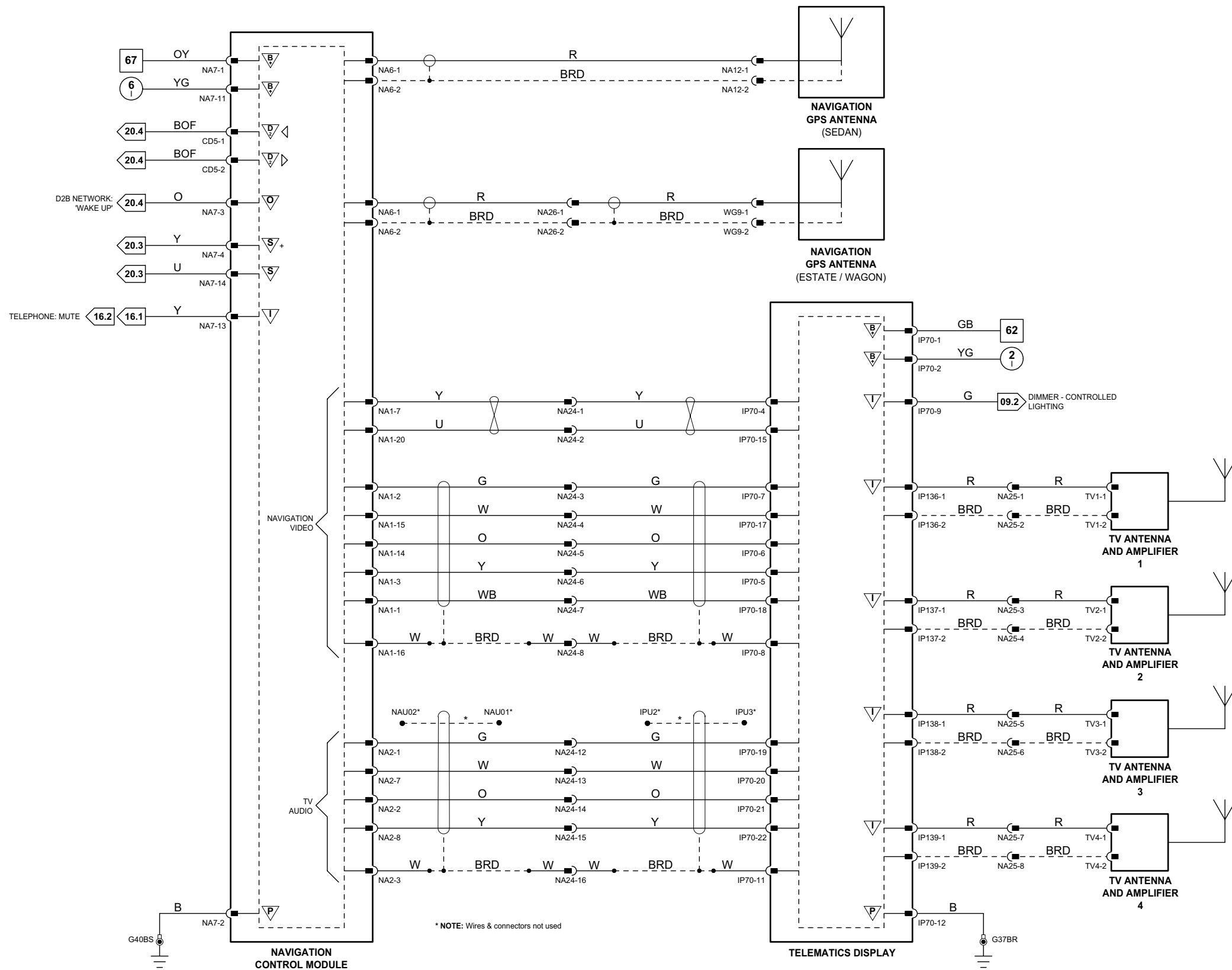
VARIANT: Non Rain Sensing Vehicles
VIN RANGE: All
DATE OF ISSUE: May 2007



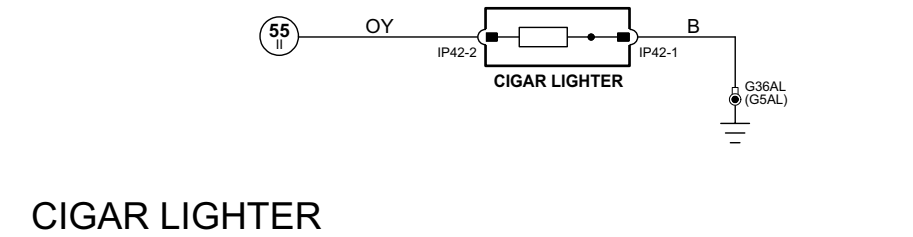
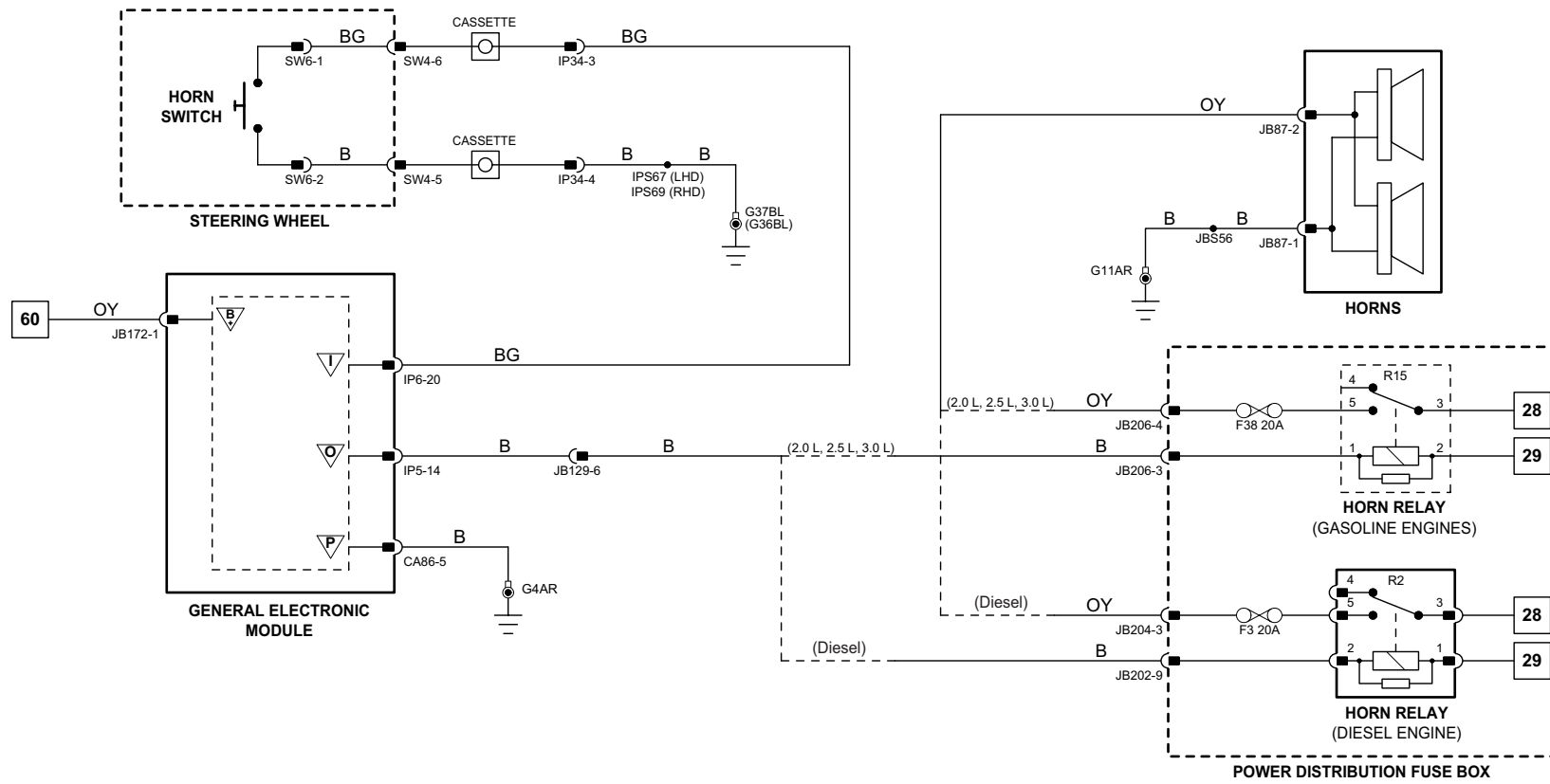
NOTE:
 * Vehicles with Speed Control.
 ** Vehicles without Speed Control.

1 → 6 Fig. 01.1	34 → 80 Fig. 01.3	11 → 31 Fig. 01.5	67 → 76 Fig. 01.7	98 → 107 Fig. 01.9	Input	Battery Voltage	Sensor/Signal Supply V	CAN	D2B Network
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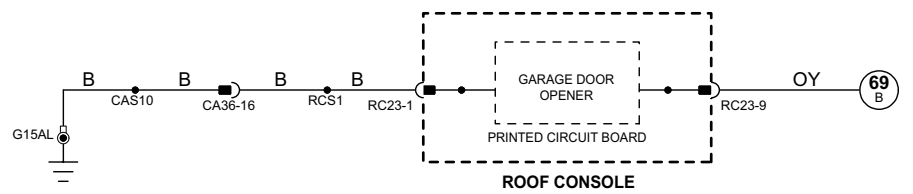
VARIANT: Standard ICE Vehicles
 VIN RANGE: All
 DATE OF ISSUE: May 2007



VARIANT: NAV Vehicles (except Japan)
 VIN RANGE: All
 DATE OF ISSUE: May 2007

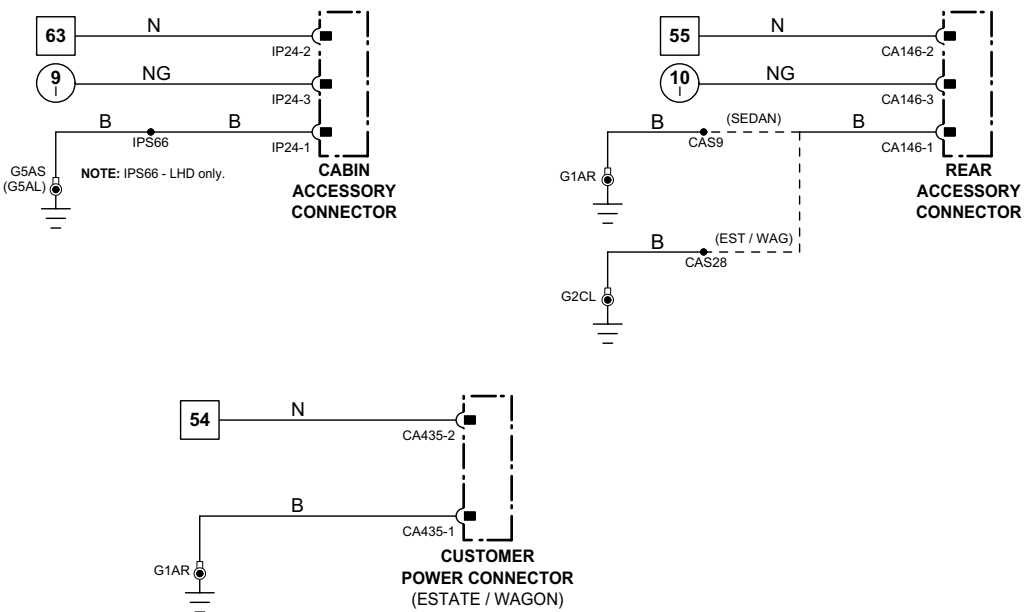


CIGAR LIGHTER

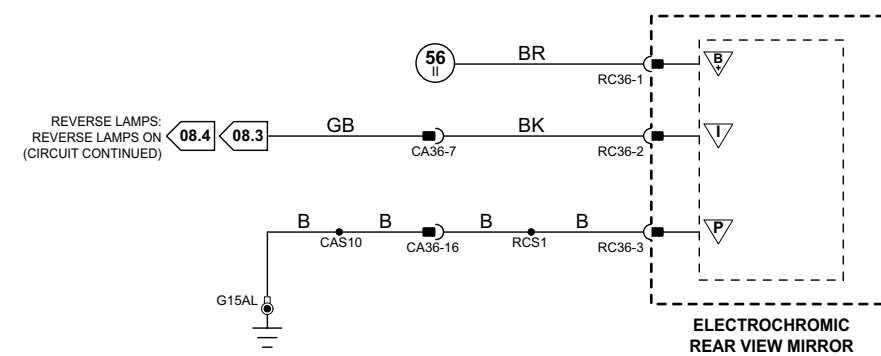


GARAGE DOOR OPENER

HORN



ACCESSORY CONNECTORS



ELECTROCHROMIC REAR VIEW MIRROR

A		B	
Accessory Connector		Battery	Fig. 01.1
Cabin	Fig. 19.1		Fig. 02.1
Rear	Fig. 08.5		Fig. 02.2
	Fig. 08.6		Fig. 02.3
	Fig. 08.7	Battery Saver Relay	Fig. 01.7
	Fig. 08.8	Blower	
	Fig. 08.9	Automatic Climate Control	Fig. 06.2
	Fig. 19.1	Manual Climate Control	Fig. 06.1
Trailer Towing	Fig. 08.5	Blower Series Resistor	Fig. 06.1
	Fig. 08.6	Brake Cancel Switch	Fig. 03.2
	Fig. 08.7		Fig. 03.4
	Fig. 08.8		Fig. 03.6
	Fig. 08.9	Brake Fluid Level Switch	Fig. 07.1
Accessory Relay	Fig. 01.4	Brake On / Off Switch	Fig. 03.1
Air Conditioning			Fig. 03.3
Blower Relay	Fig. 06.1		Fig. 03.4
	Fig. 06.2		Fig. 03.5
Compressor Clutch	Fig. 03.2		Fig. 03.6
	Fig. 03.4		Fig. 05.1
	Fig. 03.6		Fig. 05.2
Compressor Clutch Relay	Fig. 03.2		Fig. 05.3
	Fig. 03.4		Fig. 08.3
	Fig. 03.6		Fig. 08.4
Pressure Sensor	Fig. 03.2		
	Fig. 03.4	C	
	Fig. 03.6	Caravan Connector	Fig. 08.6
Air Temperature Blend Actuator	Fig. 06.1		Fig. 08.9
	Fig. 06.2	CD Autochanger	Fig. 15.1
AM / FM Antenna – Estate (Wagon)	Fig. 15.1		Fig. 15.2
	Fig. 15.2		Fig. 20.4
Ambient Temperature Sensor	Fig. 06.2	Cellular Phone Module	Fig. 16.1
Diesel	Fig. 03.5		Fig. 16.2
Antenna Module – Sedan	Fig. 15.1		Fig. 20.4
	Fig. 15.2	CHT Sensor	Fig. 03.5
Anti-Lock Braking System Module	Fig. 05.1	Cigar Lighter	Fig. 09.2
	Fig. 20.1		Fig. 19.1
	Fig. 20.2	CKP Sensor	
Anti-Lock Braking / Traction Control Module	Fig. 05.2	2.0 L	Fig. 03.3
	Fig. 20.1	2.5 L, 3.0 L	Fig. 03.1
	Fig. 20.2	Diesel	Fig. 03.5
APP Sensor		Climate Control Module	
2.5 L, 3.0 L	Fig. 03.1	Panel	Fig. 06.1
Diesel	Fig. 03.5		Fig. 06.3
Audio Control Switches	Fig. 15.1		Fig. 09.2
	Fig. 15.2		Fig. 20.1
Audio Unit	Fig. 09.2		Fig. 20.2
	Fig. 12.4	Remote	Fig. 06.2
	Fig. 12.5		Fig. 06.3
	Fig. 15.1		Fig. 20.1
	Fig. 15.2		Fig. 20.2
	Fig. 16.1	Clutch Cancel Switch	Fig. 03.2
	Fig. 16.2		Fig. 03.4
	Fig. 16.3	Clutch Pedal Safety Switch	Fig. 02.1
	Fig. 20.3	Clutch Switch – Diesel	Fig. 03.5
	Fig. 20.4		Fig. 03.6
Auto Headlamps Sensor	Fig. 08.1	CMP Sensors	
Automatic Transmission	Fig. 04.1	2.0 L	Fig. 03.3
	Fig. 04.2	2.5 L, 3.0 L	Fig. 03.1
Auxiliary Heater Relays	Fig. 03.6	Diesel	Fig. 03.5
Axle Sensors	Fig. 08.10		

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