

## Driver Seat Module

	Pin	Description and Characteristic
C	DM1-02	CAN -
C	DM1-12	CAN +
B+	DM2-01	BATTERY POWER SUPPLY: B+
SG	DM2-03	SIGNAL GROUND: GROUND
B+	DM2-04	IGNITION SWITCHED POWER SUPPLY II: B+
PG	DM2-05	POWER GROUND: GROUND
B+	DM2-06	BATTERY POWER SUPPLY: B+
I	DM2-07	DRIVER DOOR AJAR SWITCH SIGNAL: OPEN CIRCUIT WHEN ACTIVATED
PG	DM2-10	POWER GROUND: GROUND
I	DM3-01	DRIVER SEAT BACK RECLINE / INCLINE POSITION SIGNAL
SG	DM3-02	DRIVER SEAT BACK RECLINE / INCLINE POSITION SIGNAL GROUND
I	DM3-03	DRIVER SEAT CUSHION REAR UP / DOWN POSITION SIGNAL
SG	DM3-04	DRIVER SEAT CUSHION REAR UP / DOWN POSITION SIGNAL GROUND
I	DM3-05	DRIVER SEAT CUSHION FRONT UP / DOWN POSITION SIGNAL
SG	DM3-06	DRIVER SEAT CUSHION FRONT UP / DOWN POSITION SIGNAL GROUND
I	DM3-07	DRIVER SEAT FORE / AFT POSITION SIGNAL
SG	DM3-08	DRIVER SEAT FORE / AFT POSITION SIGNAL GROUND
O	DM4-01	DRIVER SEAT BACK RECLINE / INCLINE MOTOR DRIVE
O	DM4-02	DRIVER SEAT BACK RECLINE / INCLINE MOTOR DRIVE
O	DM4-03	DRIVER SEAT CUSHION REAR UP / DOWN MOTOR DRIVE
O	DM4-04	DRIVER SEAT CUSHION REAR UP / DOWN MOTOR DRIVE
O	DM4-05	DRIVER SEAT CUSHION FRONT UP / DOWN MOTOR DRIVE
O	DM4-06	DRIVER SEAT CUSHION FRONT UP / DOWN MOTOR DRIVE
O	DM4-07	DRIVER SEAT FORE / AFT MOTOR DRIVE
O	DM4-08	DRIVER SEAT FORE / AFT MOTOR DRIVE
O	DM5-01	DRIVER SEAT LUMBAR PUMP DRIVE
O	DM5-02	DRIVER SEAT LUMBAR PUMP DRIVE

## Fig. 11.1

### COMPONENTS

Component	Connector(s)	Connector Description	Location
DOOR LATCH - DRIVER	DD3	8-WAY / BLACK	DRIVER DOOR
	DD9	2-WAY / BLACK	
SEAT LUMBAR PUMP - DRIVER	DM10	3-WAY / WHITE	DRIVER SEAT
SEAT MODULE - DRIVER	DM2	10-WAY / GREY	DRIVER SEAT SWITCH PACK
	DM3	16-WAY / BLACK	
	DM4	8-WAY / BLUE	
	DM5	8-WAY / GREEN	
SEAT MOTORS AND POSITION SENSORS - DRIVER	DM7	4-WAY / GREY	DRIVER SEAT
	DM8	4-WAY / GREY	
	DM9	4-WAY / GREY	
	ML12	4-WAY / GREY	

### HARNESS IN-LINE CONNECTORS

Connector	Connector Description / Location	Location
CA15	20-WAY / BLACK / CABIN HARNESS TO DRIVER DOOR HARNESS	DRIVER DOOR / DOOR CASING
CA65	18-WAY / BLACK / CABIN HARNESS TO DRIVER SEAT HARNESS	UNDER DRIVER SEAT
CA431	12-WAY / BLACK / INSTRUMENT PANEL HARNESS TO CABIN HARNESS	INSTRUMENT PANEL
DM6	4-WAY / GREY / DRIVER SEAT HARNESS TO LINK LEAD HARNESS	UNDER DRIVER SEAT

### GROUNDS

Ground	Harness	Location
G4	CA	LOWER RH 'A' POST
G15	CA	LOWER LH 'A' POST

FOR CONTROL MODULE PIN-OUT INFORMATION, UNFOLD PAGE TO LEFT.

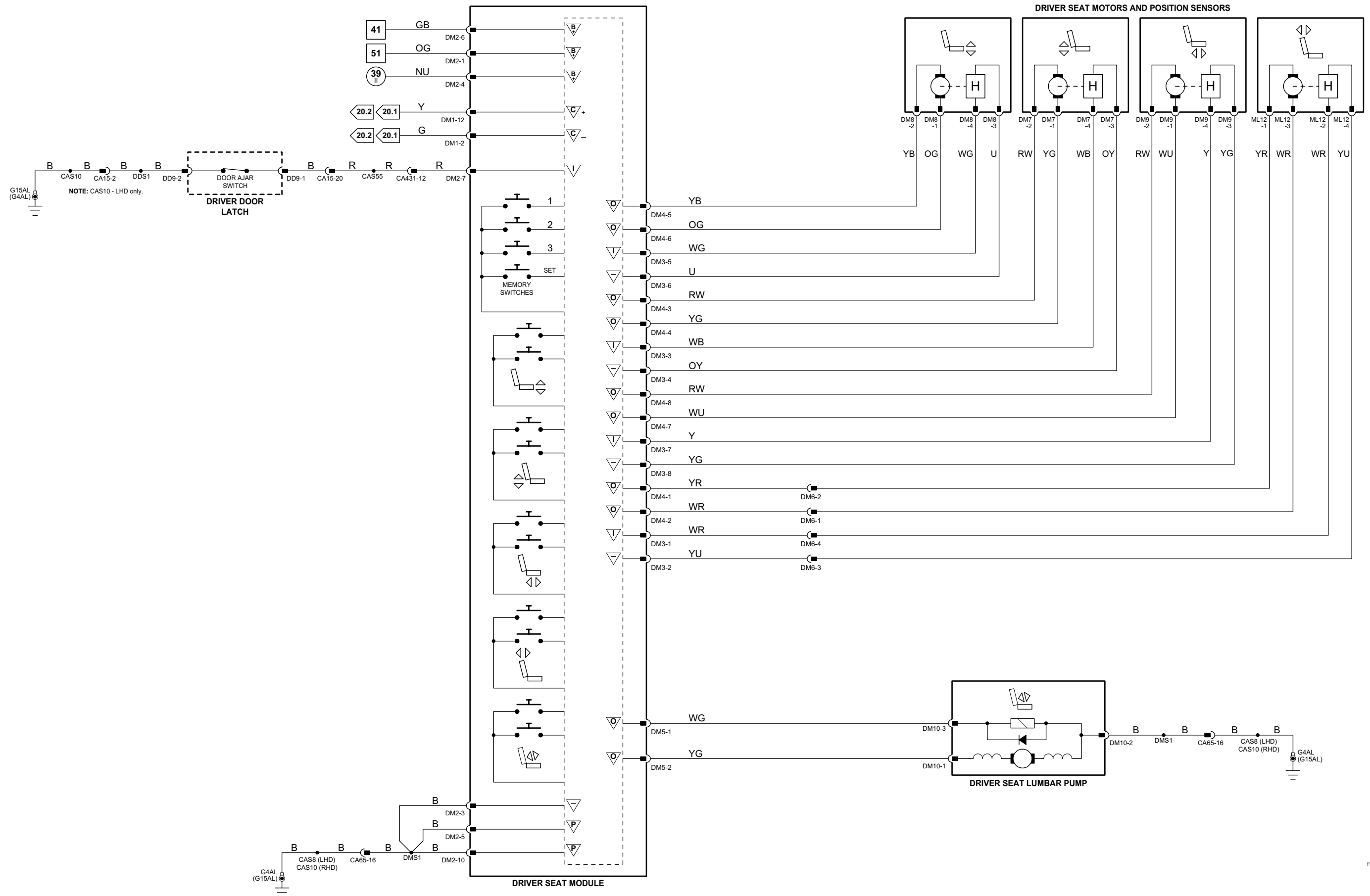
The following abbreviations are used to represent values for Control Module Pin-Out data

I	Input	PG	Power Ground	C	CAN Network	D	Serial and Encoded Data
O	Output	SS	Sensor / Signal Supply V	S	SCP Network	V	Voltage (DC)
B+	Battery Voltage	SG	Sensor / Signal Ground	D2	D2B Network	PWM	Pulse Width Modulated

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**Passenger Seat Module**

	Pin	Description and Characteristic
B+	PM2-01	BATTERY POWER SUPPLY: B+
I	PM2-02	PASSENGER SEAT HEATER SWITCH SIGNAL
B+	PM2-04	IGNITION SWITCHED POWER SUPPLY II: B+
PG	PM2-05	POWER GROUND: GROUND
B+	PM2-06	BATTERY POWER SUPPLY: B+
PG	PM2-10	POWER GROUND: GROUND
O	PM4-01	PASSENGER SEAT BACK RECLINE / INCLINE MOTOR DRIVE
O	PM4-02	PASSENGER SEAT BACK RECLINE / INCLINE MOTOR DRIVE
O	PM4-03	PASSENGER SEAT CUSHION REAR UP / DOWN MOTOR DRIVE
O	PM4-04	PASSENGER SEAT CUSHION REAR UP / DOWN MOTOR DRIVE
O	PM4-05	PASSENGER SEAT CUSHION FRONT UP / DOWN MOTOR DRIVE
O	PM4-06	PASSENGER SEAT CUSHION FRONT UP / DOWN MOTOR DRIVE
O	PM4-07	PASSENGER SEAT FORE / AFT MOTOR DRIVE
O	PM4-08	PASSENGER SEAT FORE / AFT MOTOR DRIVE
O	PM5-01	PASSENGER SEAT LUMBAR PUMP DRIVE
O	PM5-02	PASSENGER SEAT LUMBAR PUMP DRIVE

**Fig. 11.2**

**COMPONENTS**

Component	Connector(s)	Connector Description	Location
SEAT LUMBAR PUMP – PASSENGER	PM19	3-WAY / WHITE	PASSENGER SEAT
SEAT MODULE – PASSENGER	PM2	10-WAY / GREY	PASSENGER SEAT SWITCH PACK
	PM4	8-WAY / BLUE	
	PM5	8-WAY / GREEN	
SEAT MOTORS – PASSENGER	PM6	2-WAY / RED	PASSENGER SEAT
	PM7	2-WAY / RED	
	PM8	2-WAY / BLACK	
	PM9	2-WAY / RED	

**HARNESS IN-LINE CONNECTORS**

Connector	Connector Description / Location	Location
CA70	18-WAY / BLACK / CABIN HARNESS TO DRIVER SEAT HARNESS	UNDER DRIVER SEAT

**GROUNDS**

Ground	Harness	Location
G4	CA	LOWER RH 'A' POST
G15	CA	LOWER LH 'A' POST

FOR CONTROL MODULE PIN-OUT INFORMATION, UNFOLD PAGE TO LEFT.

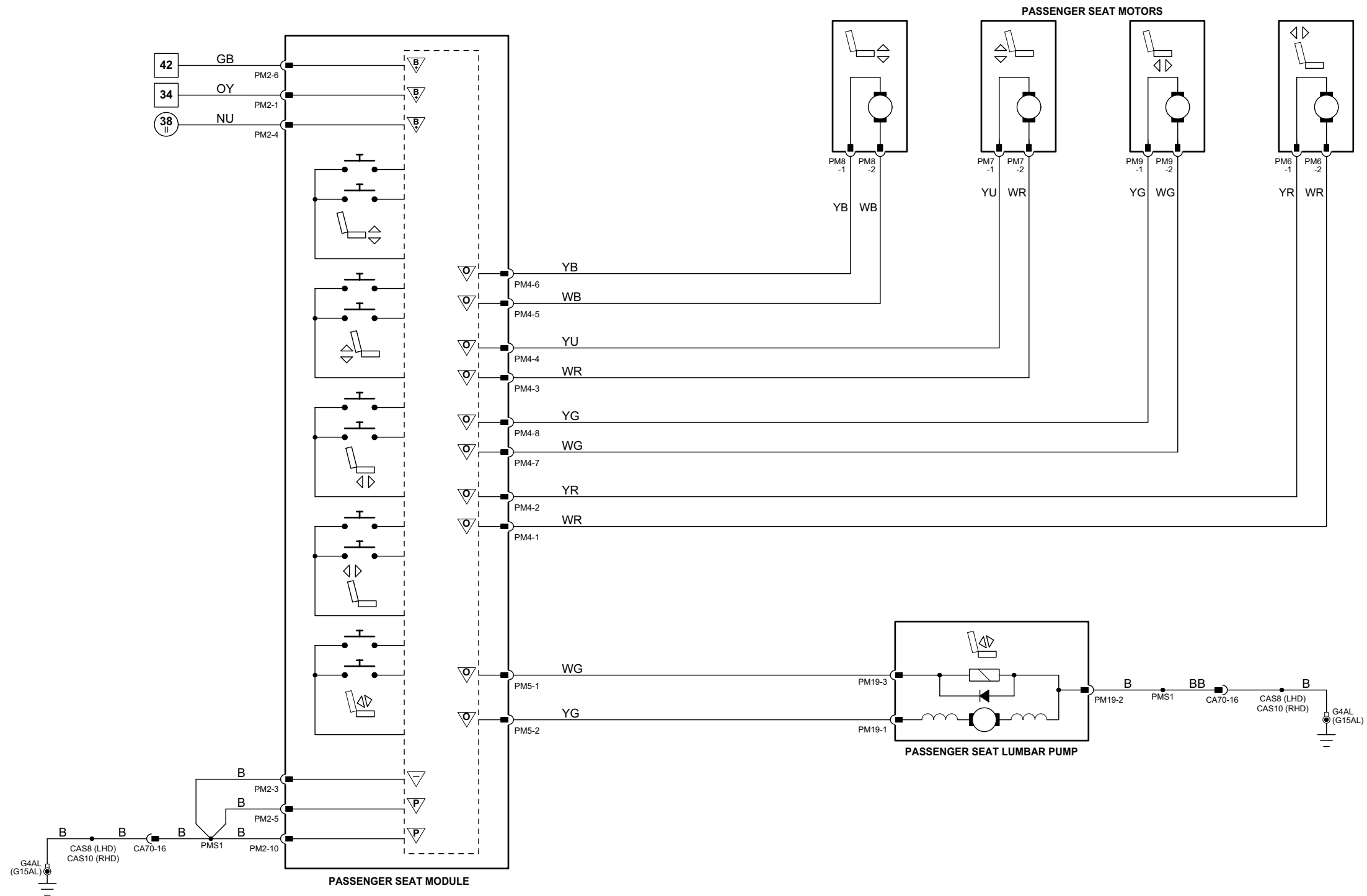
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O	Output	SS	Sensor / Signal Supply V	S	SCP Network	V	Voltage (DC)
B+	Battery Voltage	SG	Sensor / Signal Ground	D2	D2B Network	PWM	Pulse Width Modulated

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**Fig. 11.3****COMPONENTS**

Component	Connector(s)	Connector Description	Location
LUMBAR SWITCH PACK – LH	RS16	7-WAY / BLACK	LH FRONT SEAT
LUMBAR SWITCH PACK – RH	LS16	7-WAY / BLACK	RH FRONT SEAT
SEAT LUMBAR PUMP – LH	LS19	3-WAY / WHITE	LH FRONT SEAT
SEAT LUMBAR PUMP – RH	RS19	3-WAY / WHITE	RH FRONT SEAT
SEAT MOVEMENT MOTORS – LH	LS2	2-WAY / NATURAL	LH FRONT SEAT
	LS4	2-WAY / RED	
	LS5	2-WAY / BLACK	
	LS6	2-WAY / RED	
SEAT MOVEMENT MOTORS – RH	RS2	2-WAY / NATURAL	RH FRONT SEAT
	RS4	2-WAY / RED	
	RS5	2-WAY / BLACK	
	RS6	2-WAY / RED	
SEAT SWITCH PACK – LH	LS1	12-WAY / GREY	LH FRONT SEAT
SEAT SWITCH PACK – RH	RS1	12-WAY / GREY	RH FRONT SEAT

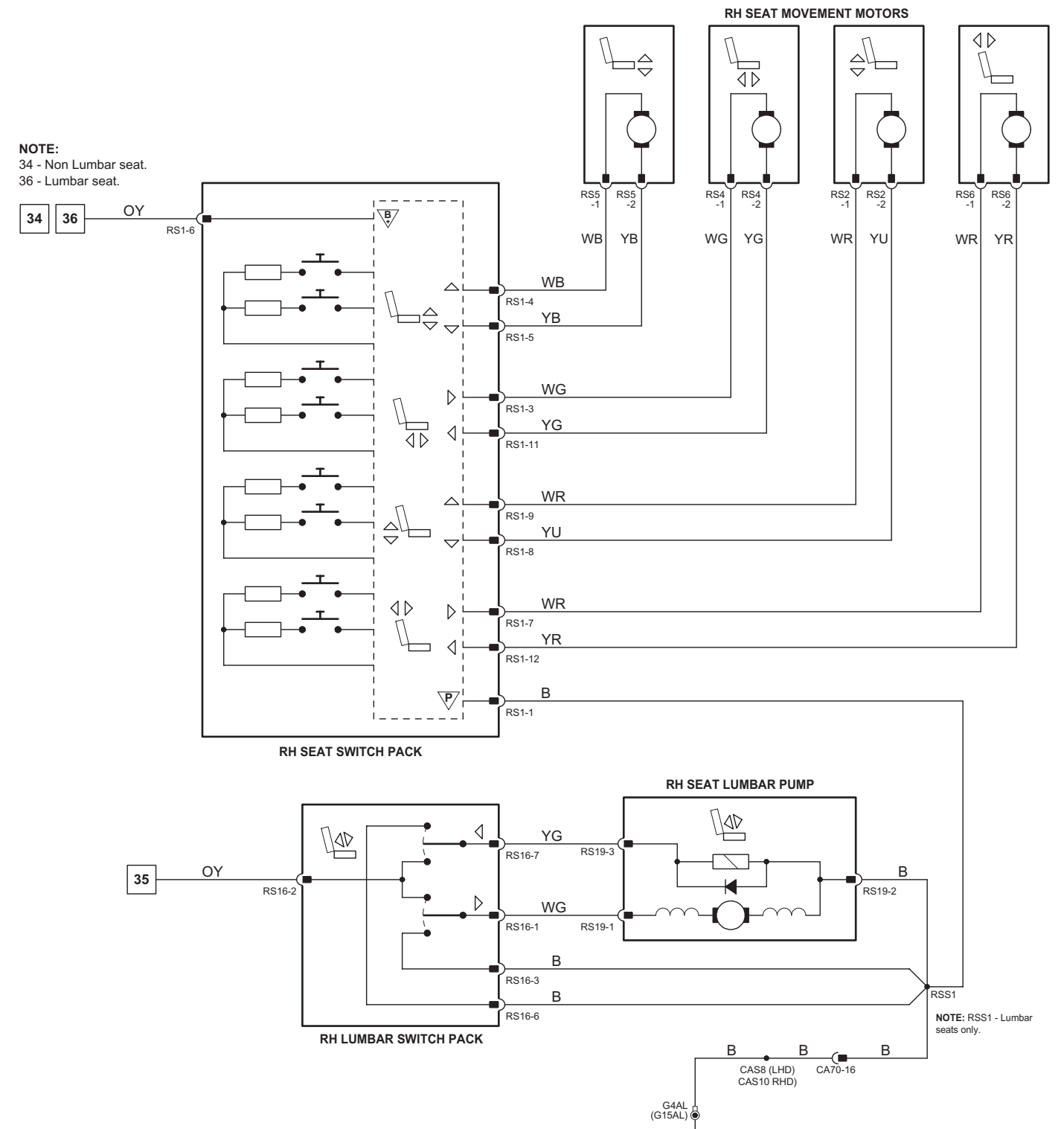
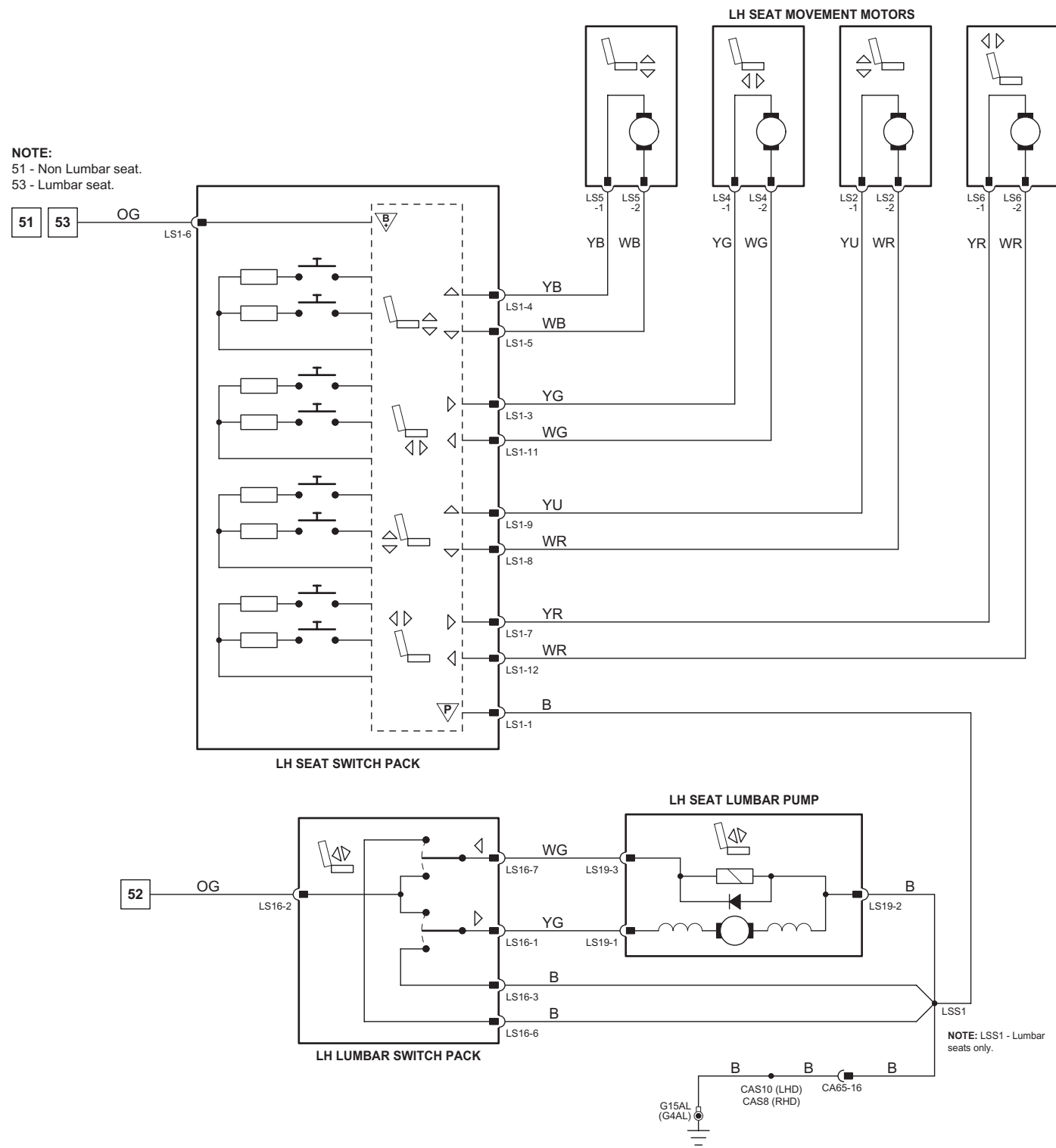
**HARNESS IN-LINE CONNECTORS**

Connector	Connector Description / Location	Location
CA65	18-WAY / BLACK / CABIN HARNESS TO DRIVER SEAT HARNESS	UNDER DRIVER SEAT
CA70	18-WAY / BLACK / CABIN HARNESS TO DRIVER SEAT HARNESS	UNDER DRIVER SEAT

**GROUNDS**

Ground	Harness	Location
G4	CA	LOWER RH 'A' POST
G15	CA	LOWER LH 'A' POST

Refer to the front of this book for detailed information and illustrations regarding the location and identification of harnesses, relays, fuses, grounds, control modules and control module pins.



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

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1 → 6 Fig. 01.1	34 → 79 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:** January 2007

**Fig. 11.4****COMPONENTS**

<b>Component</b>	<b>Connector(s)</b>	<b>Connector Description</b>	<b>Location</b>
LUMBAR SWITCH PACK – LH	RS16	7-WAY / BLACK	LH FRONT SEAT
LUMBAR SWITCH PACK – RH	LS16	7-WAY / BLACK	RH FRONT SEAT
SEAT LUMBAR PUMP – LH	LS19	3-WAY / WHITE	LH FRONT SEAT
SEAT LUMBAR PUMP – RH	RS19	3-WAY / WHITE	RH FRONT SEAT
SEAT MOVEMENT MOTORS – LH	LS2	2-WAY / NATURAL	LH FRONT SEAT
	LS4	2-WAY / RED	
SEAT MOVEMENT MOTORS – RH	RS2	2-WAY / NATURAL	RH FRONT SEAT
	RS4	2-WAY / RED	
SEAT SWITCH PACK – LH	LS1	12-WAY / GREY	LH FRONT SEAT
SEAT SWITCH PACK – RH	RS1	12-WAY / GREY	RH FRONT SEAT

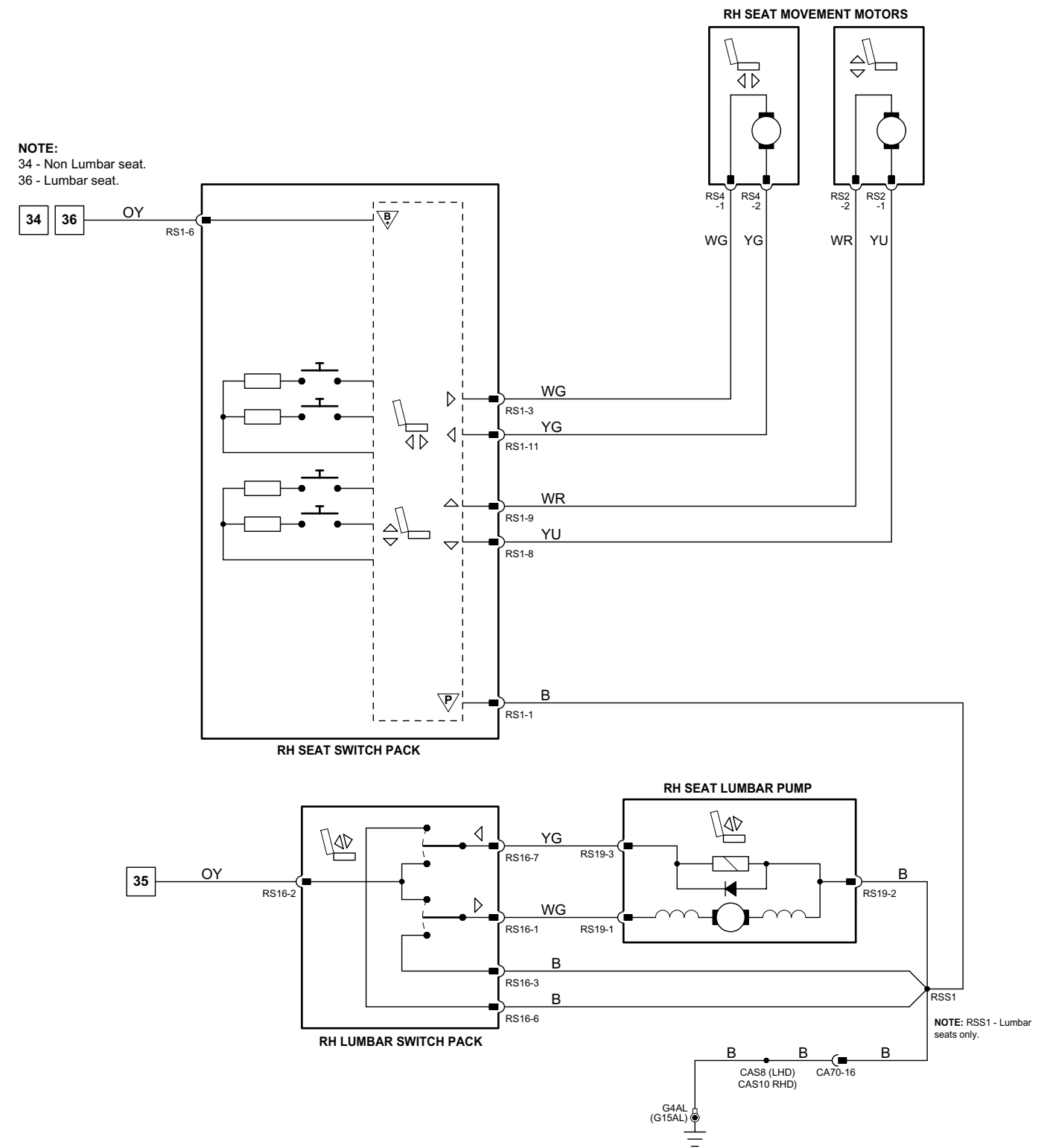
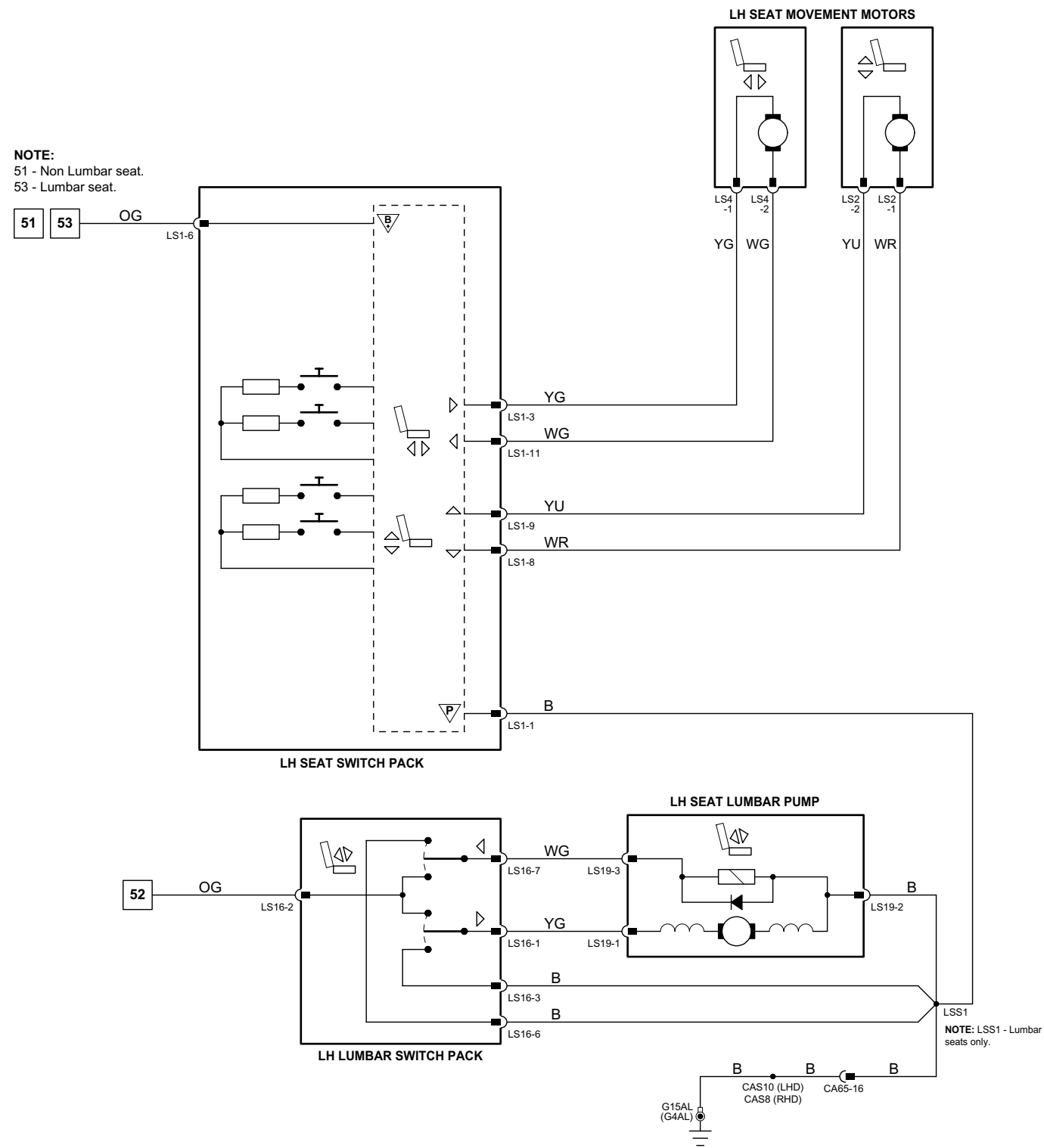
**HARNESS IN-LINE CONNECTORS**

<b>Connector</b>	<b>Connector Description / Location</b>	<b>Location</b>
CA65	18-WAY / BLACK / CABIN HARNESS TO DRIVER SEAT HARNESS	UNDER DRIVER SEAT
CA70	18-WAY / BLACK / CABIN HARNESS TO DRIVER SEAT HARNESS	UNDER DRIVER SEAT

**GROUNDS**

<b>Ground</b>	<b>Harness</b>	<b>Location</b>
G4	CA	LOWER RH 'A' POST
G15	CA	LOWER LH 'A' POST

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

**Fig. 11.5****COMPONENTS**

<b>Component</b>	<b>Connector(s)</b>	<b>Connector Description</b>	<b>Location</b>
SEAT MOTOR – LH	LS10	2-WAY / RED	LH FRONT SEAT
SEAT MOTOR – RH	RS10	2-WAY / RED	RH FRONT SEAT
SEAT SWITCH PACK – LH	LS1	12-WAY / GREY	LH FRONT SEAT
SEAT SWITCH PACK – RH	RS1	12-WAY / GREY	RH FRONT SEAT

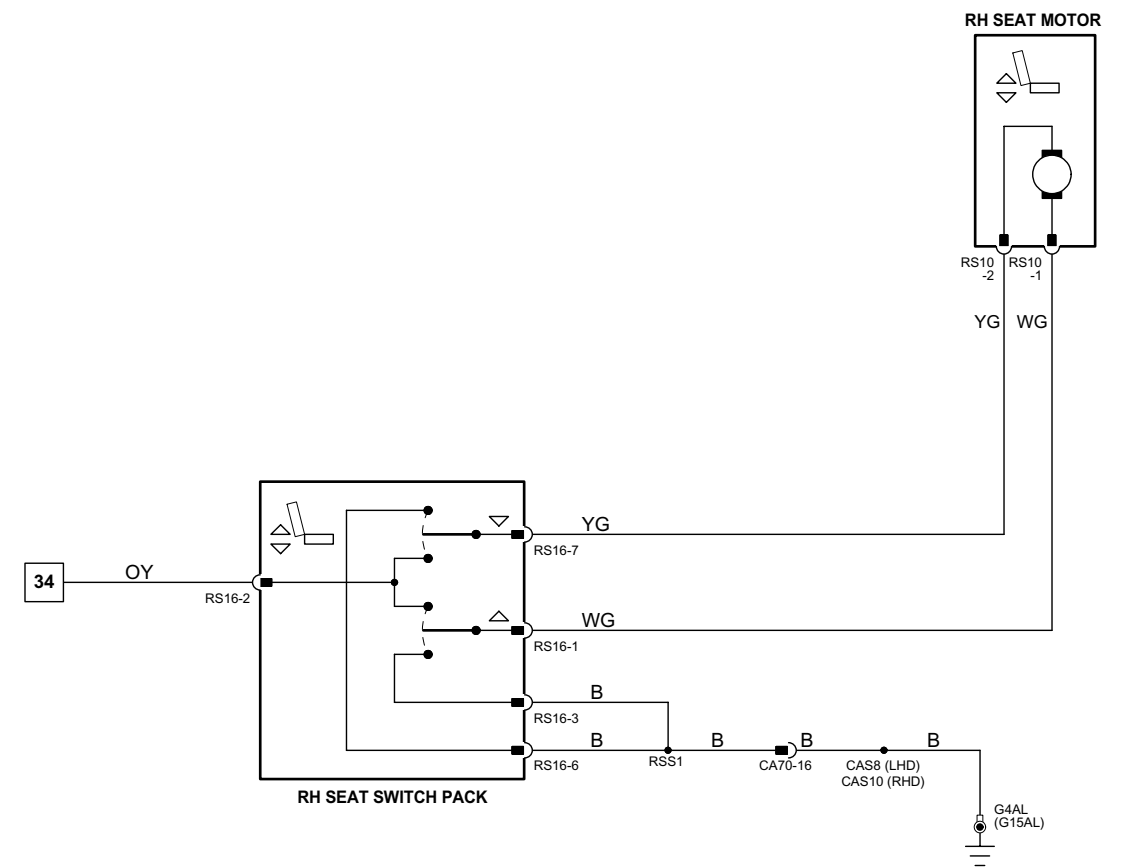
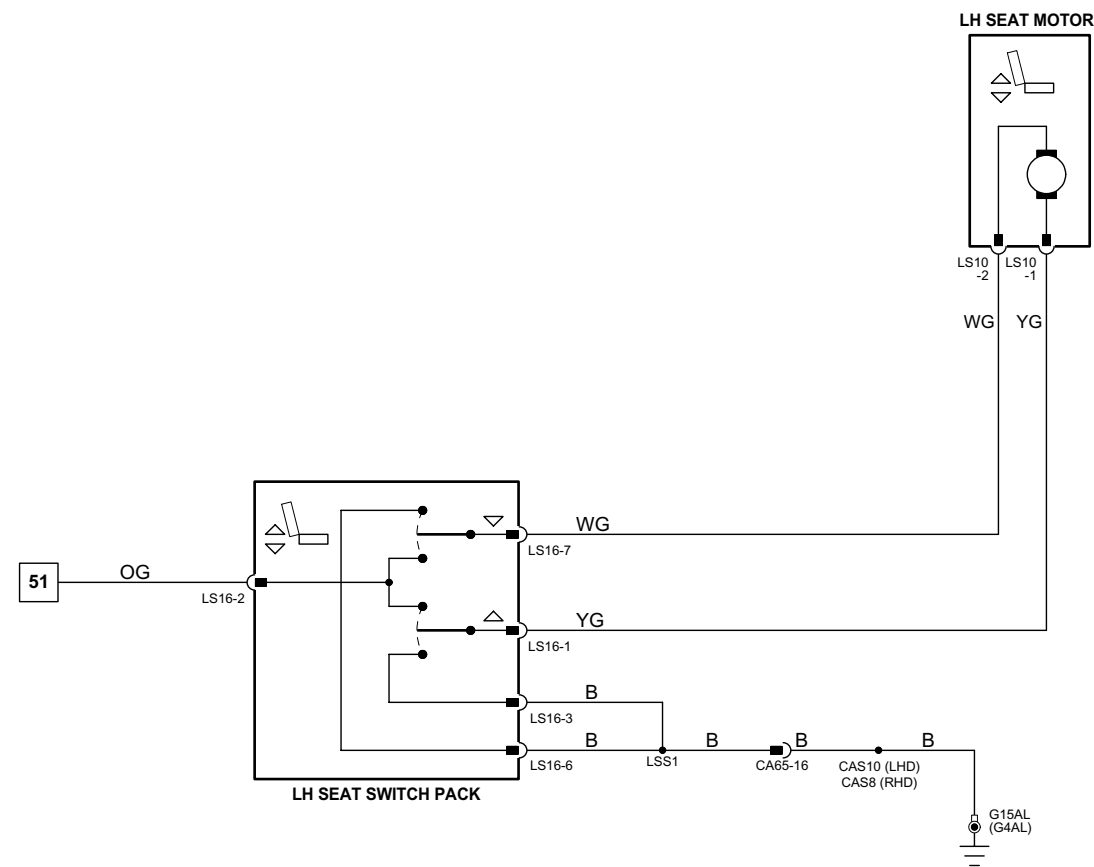
**HARNESS IN-LINE CONNECTORS**

<b>Connector</b>	<b>Connector Description / Location</b>	<b>Location</b>
CA65	18-WAY / BLACK / CABIN HARNESS TO DRIVER SEAT HARNESS	UNDER DRIVER SEAT
CA70	18-WAY / BLACK / CABIN HARNESS TO DRIVER SEAT HARNESS	UNDER DRIVER SEAT

**GROUNDS**

<b>Ground</b>	<b>Harness</b>	<b>Location</b>
G4	CA	LOWER RH 'A' POST
G15	CA	LOWER LH 'A' POST

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**Driver Seat Module**

Pin	Description and Characteristic
B+	DM2-01 BATTERY POWER SUPPLY: B+
I	DM2-02 DRIVER SEAT HEATER SWITCH SIGNAL
SG	DM2-03 SIGNAL GROUND: GROUND
B+	DM2-04 IGNITION SWITCHED POWER SUPPLY II: B+
PG	DM2-05 POWER GROUND: GROUND
B+	DM2-06 BATTERY POWER SUPPLY: B+
O	DM2-08 DRIVER SEAT HEATER STATE
O	DM2-09 DRIVER SEAT HEATER STATE
PG	DM2-10 POWER GROUND: GROUND
O	DM5-03 DRIVER SEAT HEATER DRIVE
I	DM5-04 DRIVER SEAT HEATER GROUND
I	DM5-07 DRIVER SEAT HEATER TEMPERATURE SENSOR SIGNAL
SG	DM5-08 DRIVER SEAT HEATER TEMPERATURE SENSOR SIGNAL GROUND

**Passenger Seat Module**

Pin	Description and Characteristic
B+	PM2-01 BATTERY POWER SUPPLY: B+
I	PM2-02 PASSENGER SEAT HEATER SWITCH SIGNAL
SG	PM2-03 SIGNAL GROUND: GROUND
B+	PM2-04 IGNITION SWITCHED POWER SUPPLY II: B+
PG	PM2-05 POWER GROUND: GROUND
B+	PM2-06 BATTERY POWER SUPPLY: B+
O	PM2-08 PASSENGER SEAT HEATED STATE
O	PM2-09 PASSENGER SEAT HEATED STATE
PG	PM2-10 POWER GROUND: GROUND
O	PM5-03 PASSENGER SEAT HEATER DRIVE
I	PM5-04 PASSENGER SEAT HEATER GROUND
I	PM5-07 PASSENGER SEAT HEATER TEMPERATURE SENSOR SIGNAL
SG	PM5-08 PASSENGER SEAT HEATER TEMPERATURE SENSOR SIGNAL GROUND

**Fig. 11.6**

**COMPONENTS**

Component	Connector(s)	Connector Description	Location
SEAT BACK HEATER – DRIVER	DM11	4-WAY / GREY	DRIVER SEAT
SEAT BACK HEATER – PASSENGER	PM10	4-WAY / GREY	PASSENGER SEAT
SEAT CUSHION HEATER – DRIVER	DM11	4-WAY / GREY	DRIVER SEAT
SEAT CUSHION HEATER – PASSENGER	PM10	4-WAY / GREY	PASSENGER SEAT
SEAT HEATER SWITCH – DRIVER: LHD	IP51	6-WAY / BLACK	CENTER CONSOLE
SEAT HEATER SWITCH – DRIVER: RHD	IP56	6-WAY / BLACK	CENTER CONSOLE
SEAT HEATER SWITCH – PASSENGER: LHD	IP56	6-WAY / BLACK	CENTER CONSOLE
SEAT HEATER SWITCH – PASSENGER: RHD	IP51	6-WAY / BLACK	CENTER CONSOLE
SEAT MODULE – DRIVER	DM2	10-WAY / GREY	DRIVER SEAT SWITCH PACK
	DM3	16-WAY / BLACK	
	DM4	8-WAY / BLUE	
	DM5	8-WAY / GREEN	
SEAT MODULE – PASSENGER	PM2	10-WAY / GREY	PASSENGER SEAT SWITCH PACK
	PM4	8-WAY / BLUE	
	PM5	8-WAY / GREEN	

**HARNESS IN-LINE CONNECTORS**

Connector	Connector Description / Location	Location
CA65	18-WAY / BLACK / CABIN HARNESS TO DRIVER SEAT HARNESS	UNDER DRIVER SEAT
CA70	18-WAY / BLACK / CABIN HARNESS TO DRIVER SEAT HARNESS	UNDER DRIVER SEAT
CA240	12-WAY / GREY / CABIN HARNESS TO INSTRUMENT PANEL HARNESS	LH LOWER 'A' POST / 'A' POST TRIM

**GROUNDS**

Ground	Harness	Location
G4	CA	LOWER RH 'A' POST
G5	IP	UPPER RH 'A' POST
G15	CA	LOWER LH 'A' POST
G36	IP	BEHIND INSTRUMENT PANEL / LH SIDE OF CROSS CAR BEAM

**FOR CONTROL MODULE PIN-OUT INFORMATION, UNFOLD PAGE TO LEFT.**

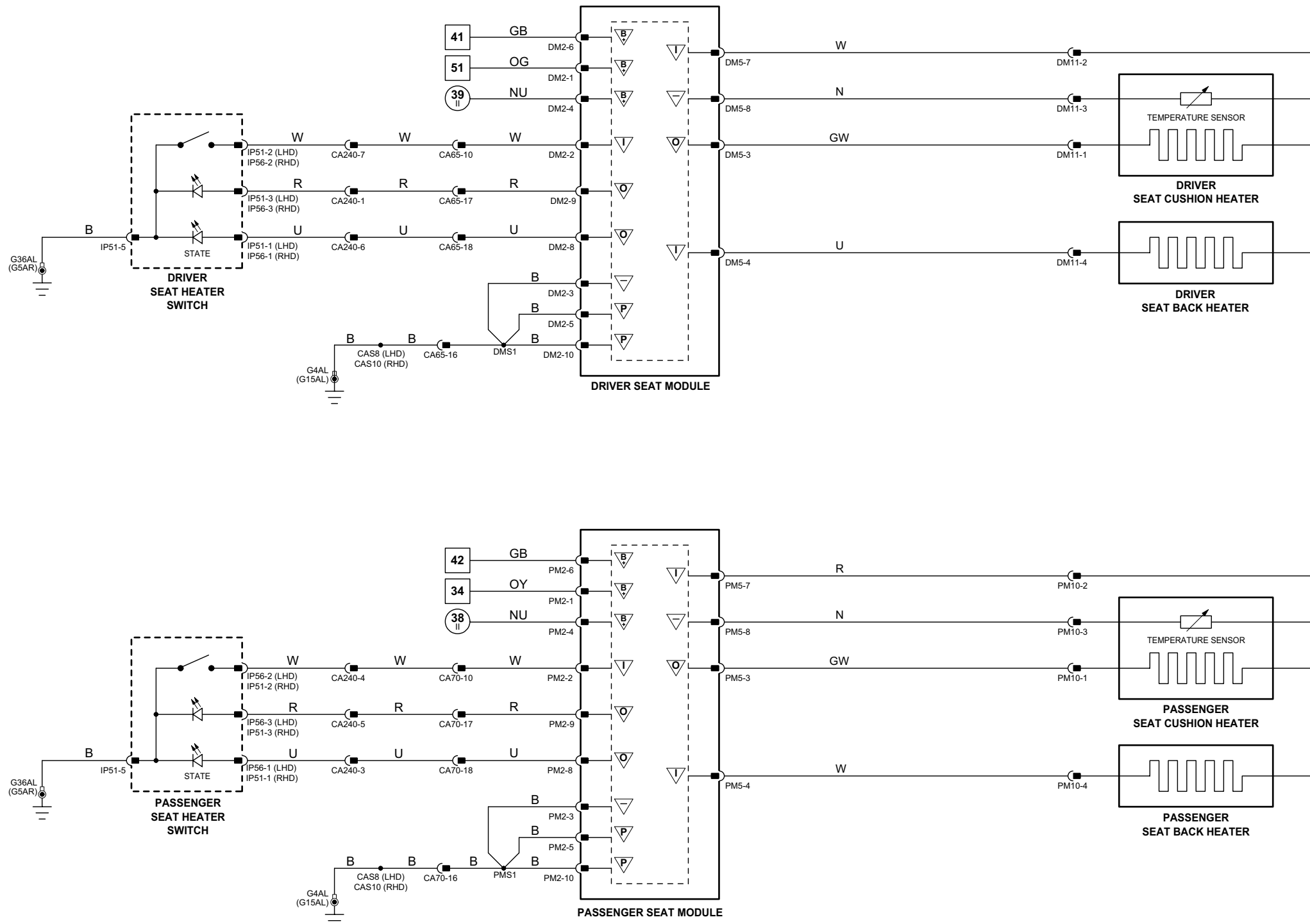
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O	Output	SS	Sensor / Signal Supply V	S	SCP Network	V	Voltage (DC)
B+	Battery Voltage	SG	Sensor / Signal Ground	D2	D2B Network	PWM	Pulse Width Modulated

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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: Memory Vehicles  
 VIN RANGE: All  
 DATE OF ISSUE: January 2007

**Fig. 11.7****COMPONENTS**

Component	Connector(s)	Connector Description	Location
SEAT BACK HEATER – LH	LS7	4-WAY / GREY	LH FRONT SEAT
SEAT BACK HEATER – RH	RS7	4-WAY / GREY	RH FRONT SEAT
SEAT CUSHION HEATER – LH	LS7	4-WAY / GREY	LH FRONT SEAT
SEAT CUSHION HEATER – RH	RS7	4-WAY / GREY	RH FRONT SEAT
SEAT HEATER MODULE – LH	LS13	12-WAY / GREY	BELOW LH FRONT SEAT
SEAT HEATER MODULE – RH	RS13	12-WAY / GREY	BELOW RH FRONT SEAT
SEAT HEATER SWITCH – LH: LHD	IP51	6-WAY / BLACK	CENTER CONSOLE
SEAT HEATER SWITCH – LH: RHD	IP56	6-WAY / BLACK	CENTER CONSOLE
SEAT HEATER SWITCH – RH: LHD	IP56	6-WAY / BLACK	CENTER CONSOLE
SEAT HEATER SWITCH – RH: RHD	IP51	6-WAY / BLACK	CENTER CONSOLE

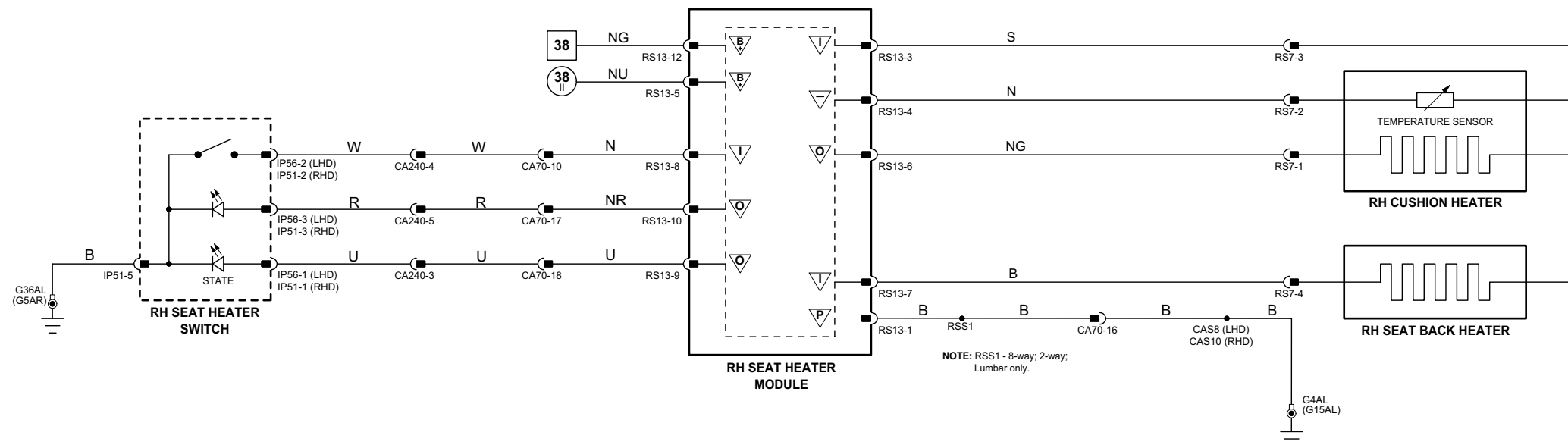
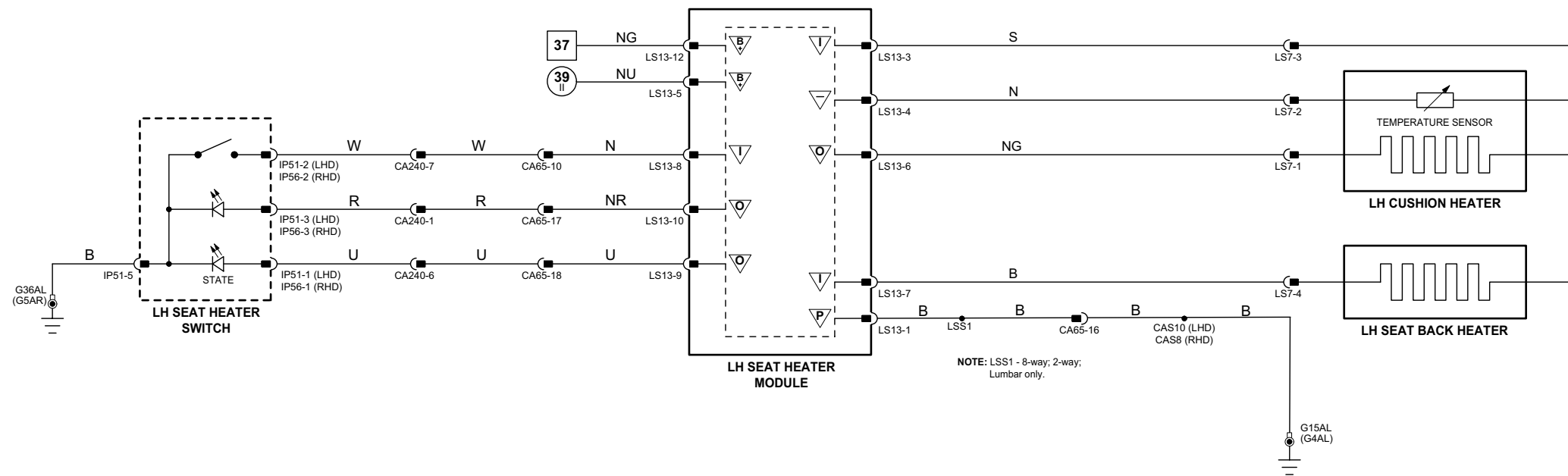
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Connector	Connector Description / Location	Location
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CA240	12-WAY / GREY / CABIN HARNESS TO INSTRUMENT PANEL HARNESS	LH LOWER 'A' POST / 'A' POST TRIM

**GROUNDS**

Ground	Harness	Location
G4	CA	LOWER RH 'A' POST
G5	IP	UPPER RH 'A' POST
G15	CA	LOWER LH 'A' POST
G36	IP	BEHIND INSTRUMENT PANEL / LH SIDE OF CROSS CAR BEAM

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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: Heated Seat Vehicles  
 VIN RANGE: All  
 DATE OF ISSUE: January 2007