

CONTROL MODULE PIN-OUT INFORMATION

Fig. 16.1

Cellular Phone Module

Pin	Description and Characteristic
I CD3-1	D2B NETWORK RECEIVE
O CD3-2	D2B NETWORK TRANSMIT
O PH1-01	PHONE BATTERY CHARGING SUPPLY
O PH1-03	PHONE ON /OFF (RESPONSE TO INCOMING AUDIO)
O PH1-04	MUTE COMMAND
PG PH1-09	POWER GROUND: GROUND
SG PH1-11	MICROPHONE SHIELD: GROUND
B+ PH1-12	BATTERY POWER SUPPLY: B+
B+ PH1-13	BATTERY POWER SUPPLY: B+
B+ PH1-14	IGNITION SWITCHED POWER SUPPLY (I): B+
I PH1-17	MICROPHONE +
I PH1-18	MICROPHONE -
D PH1-20	TELEPHONE SERIAL COMMUNICATIONS DATA
D PH1-22	TELEPHONE SERIAL COMMUNICATIONS DATA
I PH1-23	D2B NETWORK WAKE-UP
I PH1-25	POWER GROUND: GROUND
I PH1-26	TELEPHONE LOGIC GROUND: GROUND
I PH1-29	IGNITION SWITCHED POWER SUPPLY (III): B+

COMPONENTS

Component	Connector(s)	Connector Description	Location
AUDIO UNIT	ID1 IP65 IP106	2-WAY / D2B 20-WAY / BLACK 2-WAY / METALLIC	INSTRUMENT PANEL CENTER
CELLULAR PHONE MODULE	CD3 PH1 PH3	2-WAY / D2B 32-WAY / BLACK 2-WAY / GREY	TRUNK / LH SIDE
HANDSET	PP1	-	CENTER CONSOLE
NAVIGATION CONTROL MODULE	CD5 NA1 NA2 NA6 NA7	2-WAY / D2B 26-WAY / WHITE 12-WAY / BLACK 2-WAY / GREY 20-WAY / BLACK	TRUNK, LH REAR
ROOF CONSOLE - PRINTED CIRCUIT BOARD	RC23	20-WAY / WHITE	ROOF CENTER FRONT
ROOF CONSOLE - WITHOUT PRINTED CIRCUIT BOARD	RC30 RC31 RC33 RC34	4-WAY / BLACK 2-WAY / BLACK 4-WAY / BLACK 6-WAY / BLACK	ROOF CENTER FRONT
TELEMATICS DISPLAY	IP70 IP136 IP137 IP138 IP139	22-WAY / BLACK 2-WAY / METALLIC 2-WAY / METALLIC 2-WAY / METALLIC 2-WAY / METALLIC	CENTER CONSOLE
TELEPHONE ANTENNA - ESTATE (WAGON): AM / FM	PH15	2-WAY / GREY	ROOF CENTER REAR
TELEPHONE ANTENNA - SEDAN: BUMPER	-	-	REAR BUMPER

HARNESS IN-LINE CONNECTORS

Connector	Connector Description	Location
CA1	22-WAY / NATURAL / INSTRUMENT PANEL HARNESS TO CABIN HARNESS	LH 'A' POST / 'A' POST TRIM
CA40	16-WAY / GREY / CABIN HARNESS TO ROOF HARNESS	RH 'A' POST / WINDSHIELD PILLAR
CA230	16-WAY / BLUE / CABIN HARNESS TO INSTRUMENT PANEL HARNESS	LH LOWER 'A' POST / 'A' POST TRIM
CA406	3-WAY / GREY / NAVIGATION HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION
CA407	16-WAY / GREY / CELLULAR PHONE HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION
CA414	16-WAY / BLUE / NAVIGATION HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION
PH11	10-WAY / GREY / CELLULAR PHONE LINK LEAD	LH LOWER 'A' POST / 'A' POST TRIM

GROUNDS

Ground	Harness	Location
G39	PH	TRUNK / LH QUARTER PANEL

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

CAUTION: The information on this data page is furnished to aid the user in understanding circuit operation. THIS INFORMATION SHOULD BE USED FOR REFERENCE ONLY.

NOTE: The values 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.

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.

CONTROL MODULE PIN-OUT INFORMATION

Fig. 16.2

Cellular Phone Module

Pin	Description and Characteristic
I CD3-1	D2B NETWORK RECEIVE
O CD3-2	D2B NETWORK TRANSMIT
O PH1-01	PHONE BATTERY CHARGING SUPPLY
O PH1-02	HANDS FREE AUDIO TO PHONE
O PH1-03	PHONE ON /OFF (RESPONSE TO INCOMING AUDIO)
O PH1-04	MUTE COMMAND
I PH1-05	MANUAL TEST DATA
I PH1-06	PHONE BATTERY VOLTAGE
PG PH1-09	POWER GROUND: GROUND
SG PH1-10	ANALOG GROUND: GROUND
SG PH1-11	MICROPHONE SHIELD: GROUND
B+ PH1-12	BATTERY POWER SUPPLY: B+
B+ PH1-13	BATTERY POWER SUPPLY: B+
B+ PH1-14	IGNITION SWITCHED POWER SUPPLY (I): B+
I PH1-17	MICROPHONE +
I PH1-18	MICROPHONE -
D PH1-20	TELEPHONE SERIAL COMMUNICATIONS DATA
D PH1-22	TELEPHONE SERIAL COMMUNICATIONS DATA
I PH1-23	D2B NETWORK WAKE-UP
I PH1-25	POWER GROUND: GROUND
I PH1-26	TELEPHONE LOGIC GROUND: GROUND
I PH1-29	IGNITION SWITCHED POWER SUPPLY (III): B+

COMPONENTS

Component	Connector(s)	Connector Description	Location
AUDIO UNIT	ID1	2-WAY / D2B	INSTRUMENT PANEL CENTER
	IP65	20-WAY / BLACK	
	IP106	2-WAY / METALLIC	
CELLULAR PHONE MODULE	CD3	2-WAY / D2B	TRUNK / LH SIDE
	PH1	32-WAY / BLACK	
	PH3	2-WAY / GREY	
HANDSET RECEIVER	PH9	2-WAY / GREY	CENTER CONSOLE
NAVIGATION CONTROL MODULE	PH10	10-WAY / GREY	TRUNK, LH REAR
	CD5	2-WAY / D2B	
ROOF CONSOLE - PRINTED CIRCUIT BOARD	NA1	26-WAY / WHITE	ROOF CENTER FRONT
	NA2	12-WAY / BLACK	
	NA6	2-WAY / GREY	
	NA7	20-WAY / BLACK	
	RC23	20-WAY / WHITE	
ROOF CONSOLE - WITHOUT PRINTED CIRCUIT BOARD	RC30	4-WAY / BLACK	ROOF CENTER FRONT
	RC31	2-WAY / BLACK	
	RC33	4-WAY / BLACK	
	RC34	6-WAY / BLACK	
TELEMATICS DISPLAY	IP70	22-WAY / BLACK	CENTER CONSOLE
	IP136	2-WAY / METALLIC	
	IP137	2-WAY / METALLIC	
	IP138	2-WAY / METALLIC	
	IP139	2-WAY / METALLIC	
TELEPHONE ANTENNA - BUMPER	PH4	2-WAY / GREY	REAR BUMPER

HARNESS IN-LINE CONNECTORS

Connector	Connector Description	Location
CA1	22-WAY / NATURAL / INSTRUMENT PANEL HARNESS TO CABIN HARNESS	LH 'A' POST / 'A' POST TRIM
CA40	16-WAY / GREY / CABIN HARNESS TO ROOF HARNESS	RH 'A' POST / WINDSHIELD PILLAR
CA230	16-WAY / BLUE / CABIN HARNESS TO INSTRUMENT PANEL HARNESS	LH LOWER 'A' POST / 'A' POST TRIM
CA406	3-WAY / GREY / NAVIGATION HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION
CA407	16-WAY / GREY / CELLULAR PHONE HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION
CA414	16-WAY / BLUE / NAVIGATION HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION

GROUNDS

Ground	Harness	Location
G39	PH	TRUNK / LH QUARTER PANEL

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

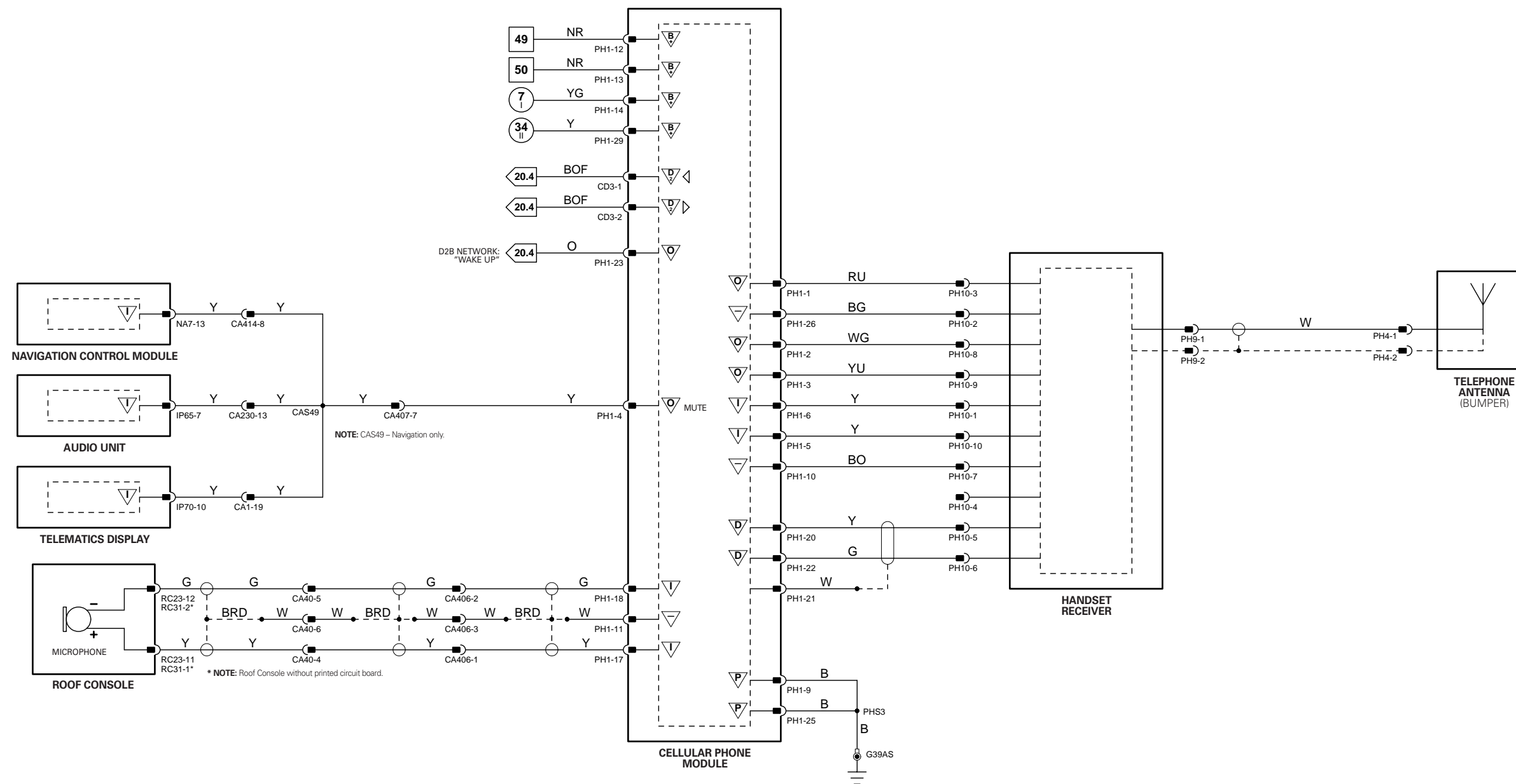
The following abbreviations are used to represent values for Control Module Pin-Out data

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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CONTROL MODULE PIN-OUT INFORMATION

Fig. 16.3

Cellular Phone Module

Pin	Description and Characteristic
I CD3-1	D2B NETWORK RECEIVE
O CD3-2	D2B NETWORK TRANSMIT
O PH1-01	PHONE BATTERY CHARGING SUPPLY
O PH1-03	PHONE ON /OFF (RESPONSE TO INCOMING AUDIO)
O PH1-04	MUTE COMMAND
PG PH1-09	POWER GROUND: GROUND
SG PH1-11	MICROPHONE SHIELD: GROUND
B+ PH1-12	BATTERY POWER SUPPLY: B+
B+ PH1-13	BATTERY POWER SUPPLY: B+
B+ PH1-14	IGNITION SWITCHED POWER SUPPLY (I): B+
I PH1-17	MICROPHONE +
I PH1-18	MICROPHONE -
D PH1-20	TELEPHONE SERIAL COMMUNICATIONS DATA
D PH1-22	TELEPHONE SERIAL COMMUNICATIONS DATA
I PH1-23	D2B NETWORK WAKE-UP
I PH1-25	POWER GROUND: GROUND
I PH1-26	TELEPHONE LOGIC GROUND: GROUND
I PH1-29	IGNITION SWITCHED POWER SUPPLY (III): B+

Voice Activation Module

Pin	Description and Characteristic
D2 CD4-1	D2B NETWORK TRANSMIT
D2 CD2-2	D2B NETWORK RECEIVE
I PH2-01	MICROPHONE +
SG PH2-02	MICROPHONE SHIELD
I PH2-03	MICROPHONE +
B+ PH2-06	IGNITION SWITCHED POWER SUPPLY (II) (START / RUN STATUS)
B+ PH2-08	IGNITION SWITCHED POWER SUPPLY (I)
PG PH2-11	POWER GROUND
I PH2-12	MICROPHONE -
O PH2-13	MICROPHONE -
O PH2-14	D2B NETWORK WAKE UP
SG PH2-15	MICROPHONE SHIELD
B+ PH2-22	BATTERY POWER SUPPLY: B+

COMPONENTS

Component	Connector(s)	Connector Description	Location
AUDIO UNIT	ID1 IP65 IP106	2-WAY / D2B 20-WAY / BLACK 2-WAY / METALLIC	INSTRUMENT PANEL CENTER
CELLULAR PHONE MODULE	CD3 PH1 PH3	2-WAY / D2B 32-WAY / BLACK 2-WAY / GREY	TRUNK / LH SIDE
HANDSET	PP1	-	CENTER CONSOLE
NAVIGATION CONTROL MODULE	CD5 NA1 NA2 NA6 NA7	2-WAY / D2B 26-WAY / WHITE 12-WAY / BLACK 2-WAY / GREY 20-WAY / BLACK	TRUNK, LH REAR
ROOF CONSOLE - PRINTED CIRCUIT BOARD	RC23	20-WAY / WHITE	ROOF CENTER FRONT
ROOF CONSOLE - WITHOUT PRINTED CIRCUIT BOARD	RC30 RC31 RC33 RC34	4-WAY / BLACK 2-WAY / BLACK 4-WAY / BLACK 6-WAY / BLACK	ROOF CENTER FRONT
STEERING WHEEL	SW4	6-WAY / BLACK	STEERING COLUMN
TELEMATICS DISPLAY	IP70 IP136 IP137 IP138 IP139	22-WAY / BLACK 2-WAY / METALLIC 2-WAY / METALLIC 2-WAY / METALLIC 2-WAY / METALLIC	CENTER CONSOLE
TELEPHONE ANTENNA - ESTATE (WAGON): AM / FM	PH15	2-WAY / GREY	ROOF CENTER REAR
TELEPHONE ANTENNA - SEDAN: BUMPER	-	-	REAR BUMPER
VOICE ACTIVATION MODULE	CD4 PH2	2-WAY / D2B 22-WAY / BLACK	TRUNK, LH REAR

HARNESS IN-LINE CONNECTORS

Connector	Connector Description	Location
CA1	22-WAY / NATURAL / INSTRUMENT PANEL HARNESS TO CABIN HARNESS	LH 'A' POST / 'A' POST TRIM
CA40	16-WAY / GREY / CABIN HARNESS TO ROOF HARNESS	RH 'A' POST / WINDSHIELD PILLAR
CA230	16-WAY / BLUE / CABIN HARNESS TO INSTRUMENT PANEL HARNESS	LH LOWER 'A' POST / 'A' POST TRIM
CA406	3-WAY / GREY / NAVIGATION HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION
CA407	16-WAY / GREY / CELLULAR PHONE HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION
CA414	16-WAY / BLUE / NAVIGATION HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION
IP34	10-WAY / NATURAL / INSTRUMENT PANEL HARNESS TO STEERING WHEEL HARNESS	STEERING WHEEL CASSETTE
JB1	42-WAY / BLACK / ENGINE MANAGEMENT HARNESS TO JUNCTION BOX HARNESS	ENGINE COMPARTMENT / LH SIDE
JB129	22-WAY / GREY / JUNCTION BOX HARNESS TO INSTRUMENT PANEL HARNESS	BELOW INSTRUMENT PANEL / LH SIDE
PH11	10-WAY / GREY / CELLULAR PHONE LINK LEAD	LH LOWER 'A' POST / 'A' POST TRIM

GROUND

Ground	Harness	Location
G14	JB	ENGINE COMPARTMENT / BEHIND POWER DISTRIBUTION FUSE BOX
G39	PH	TRUNK / LH QUARTER PANEL

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

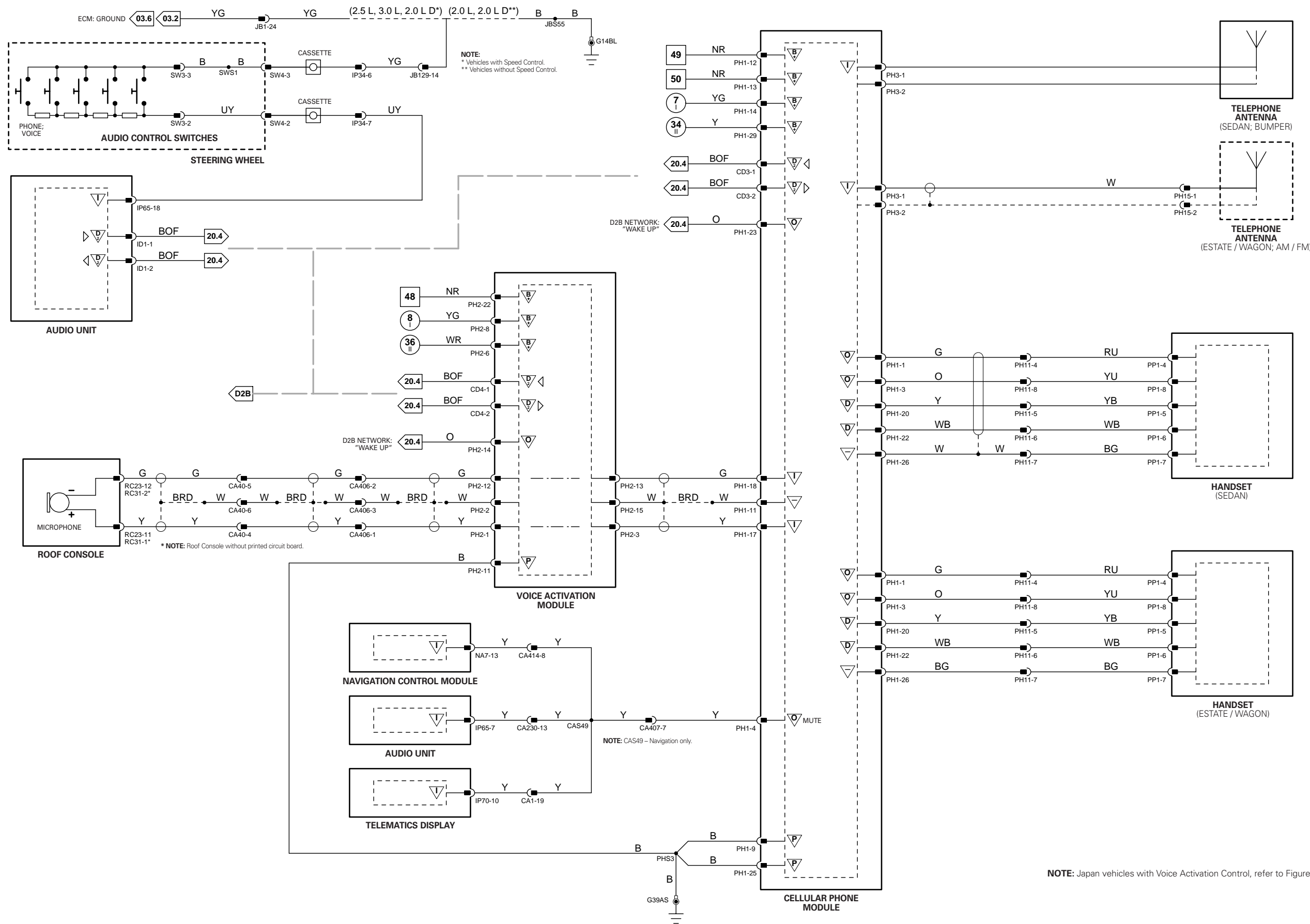
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I	Input	PG	Power Ground	C	CAN Network	D	Serial and Encoded Data
O	Output	SS	Sensor / Signal Supply V	S	SCP Network	V	Voltage (DC)
B+	Battery Voltage	SG	Sensor / Signal Ground	D2	D2B Network	PWM	Pulse Width Modulated

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NOTE: Japan vehicles with Voice Activation Control, refer to Figure. 16.6.

CONTROL MODULE PIN-OUT INFORMATION

Fig. 16.4

Cellular Phone Module

Pin	Description and Characteristic
I CD3-1	D2B NETWORK RECEIVE
O CD3-2	D2B NETWORK TRANSMIT
O PH1-01	PHONE BATTERY CHARGING SUPPLY
O PH1-02	HANDS FREE AUDIO TO PHONE
O PH1-03	PHONE ON /OFF (RESPONSE TO INCOMING AUDIO)
O PH1-04	MUTE COMMAND
I PH1-05	MANUAL TEST DATA
I PH1-06	PHONE BATTERY VOLTAGE
PG PH1-09	POWER GROUND: GROUND
SG PH1-10	ANALOG GROUND: GROUND
SG PH1-11	MICROPHONE SHIELD: GROUND
B+ PH1-12	BATTERY POWER SUPPLY: B+
B+ PH1-13	BATTERY POWER SUPPLY: B+
B+ PH1-14	IGNITION SWITCHED POWER SUPPLY (I): B+
I PH1-17	MICROPHONE +
I PH1-18	MICROPHONE -
D PH1-20	TELEPHONE SERIAL COMMUNICATIONS DATA
D PH1-22	TELEPHONE SERIAL COMMUNICATIONS DATA
I PH1-23	D2B NETWORK WAKE-UP
I PH1-25	POWER GROUND: GROUND
I PH1-26	TELEPHONE LOGIC GROUND: GROUND
I PH1-29	IGNITION SWITCHED POWER SUPPLY (III): B+

Voice Activation Module

Pin	Description and Characteristic
D2 CD4-1	D2B NETWORK TRANSMIT
D2 CD2-2	D2B NETWORK RECEIVE
I PH2-01	MICROPHONE +
SG PH2-02	MICROPHONE SHIELD
I PH2-03	MICROPHONE +
B+ PH2-06	IGNITION SWITCHED POWER SUPPLY (II) (START / RUN STATUS)
B+ PH2-08	IGNITION SWITCHED POWER SUPPLY (I)
PG PH2-11	POWER GROUND
I PH2-12	MICROPHONE -
O PH2-13	MICROPHONE -
O PH2-14	D2B NETWORK WAKE UP
SG PH2-15	MICROPHONE SHIELD
B+ PH2-22	BATTERY POWER SUPPLY: B+

COMPONENTS

Component	Connector(s)	Connector Description	Location
AUDIO UNIT	ID1 IP65 IP106	2-WAY / D2B 20-WAY / BLACK 2-WAY / METALLIC	INSTRUMENT PANEL CENTER
CELLULAR PHONE MODULE	CD3 PH1 PH3	2-WAY / D2B 32-WAY / BLACK 2-WAY / GREY	TRUNK / LH SIDE
HANDSET RECEIVER	PH9 PH10	2-WAY / GREY 10-WAY / GREY	CENTER CONSOLE
NAVIGATION CONTROL MODULE	CD5 NA1 NA2 NA6 NA7	2-WAY / D2B 26-WAY / WHITE 12-WAY / BLACK 2-WAY / GREY 20-WAY / BLACK	TRUNK, LH REAR
ROOF CONSOLE - PRINTED CIRCUIT BOARD	RC23	20-WAY / WHITE	ROOF CENTER FRONT
ROOF CONSOLE - WITHOUT PRINTED CIRCUIT BOARD	RC30 RC31 RC33 RC34	4-WAY / BLACK 2-WAY / BLACK 4-WAY / BLACK 6-WAY / BLACK	ROOF CENTER FRONT
STEERING WHEEL	SW4	6-WAY / BLACK	STEERING COLUMN
TELEMATICS DISPLAY	IP70 IP136 IP137 IP138 IP139	22-WAY / BLACK 2-WAY / METALLIC 2-WAY / METALLIC 2-WAY / METALLIC 2-WAY / METALLIC	CENTER CONSOLE
TELEPHONE ANTENNA - BUMPER	PH4	2-WAY / GREY	REAR BUMPER
VOICE ACTIVATION MODULE	CD4 PH2	2-WAY / D2B 22-WAY / BLACK	TRUNK, LH REAR

HARNESS IN-LINE CONNECTORS

Connector	Connector Description	Location
CA1	22-WAY / NATURAL / INSTRUMENT PANEL HARNESS TO CABIN HARNESS	LH 'A' POST / 'A' POST TRIM
CA40	16-WAY / GREY / CABIN HARNESS TO ROOF HARNESS	RH 'A' POST / WINDSHIELD PILLAR
CA230	16-WAY / BLUE / CABIN HARNESS TO INSTRUMENT PANEL HARNESS	LH LOWER 'A' POST / 'A' POST TRIM
CA406	3-WAY / GREY / NAVIGATION HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION
CA407	16-WAY / GREY / CELLULAR PHONE HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION
CA414	16-WAY / BLUE / NAVIGATION HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION
IP34	10-WAY / NATURAL / INSTRUMENT PANEL HARNESS TO STEERING WHEEL HARNESS	STEERING WHEEL CASSETTE
JB1	42-WAY / BLACK / ENGINE MANAGEMENT HARNESS TO JUNCTION BOX HARNESS	ENGINE COMPARTMENT / LH SIDE
JB129	22-WAY / GREY / JUNCTION BOX HARNESS TO INSTRUMENT PANEL HARNESS	BELOW INSTRUMENT PANEL / LH SIDE

GROUND

Ground	Harness	Location
G39	PH	TRUNK / LH QUARTER PANEL

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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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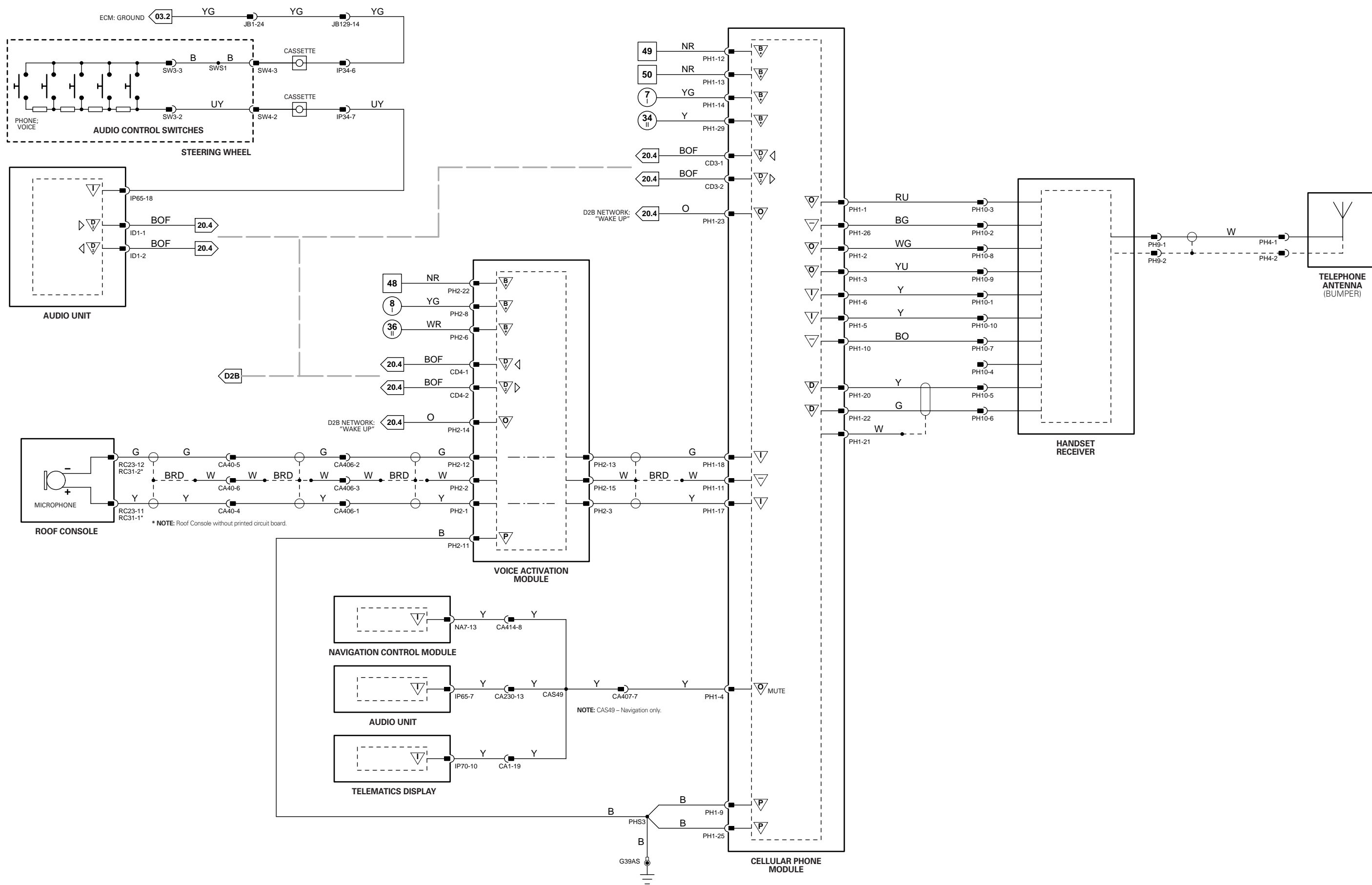


Fig. 16.5**COMPONENTS**

Component	Connector(s)	Connector Description	Location
NAVIGATION CONTROL MODULE	CD5 NA1 NA2 NA6 NA7	2-WAY / D2B 26-WAY / WHITE 12-WAY / BLACK 2-WAY / GREY 20-WAY / BLACK	TRUNK, LH REAR
NAVIGATION GPS ANTENNA – ESTATE (WAGON)	WG9	2-WAY / BLACK	UNDER REAR SPOILER / LH SIDE
NAVIGATION GPS ANTENNA – SEDAN	NA12	2-WAY / GREY	BELOW PARCEL SHELF / LH SIDE
TELEMATICS DISPLAY	IP70 IP136 IP137 IP138 IP139	22-WAY / BLACK 2-WAY / METALLIC 2-WAY / METALLIC 2-WAY / METALLIC 2-WAY / METALLIC	CENTER CONSOLE
TV ANTENNA AND AMPLIFIER 1	TV1	2-WAY / METALLIC	REAR ROOF TRIM, ABOVE FIXED GLASS
TV ANTENNA AND AMPLIFIER 2	TV2	2-WAY / METALLIC	REAR ROOF TRIM, ABOVE FIXED GLASS
TV ANTENNA AND AMPLIFIER 3	TV3	2-WAY / METALLIC	REAR ROOF TRIM, ABOVE FIXED GLASS
TV ANTENNA AND AMPLIFIER 4	TV4	2-WAY / METALLIC	REAR ROOF TRIM, ABOVE FIXED GLASS

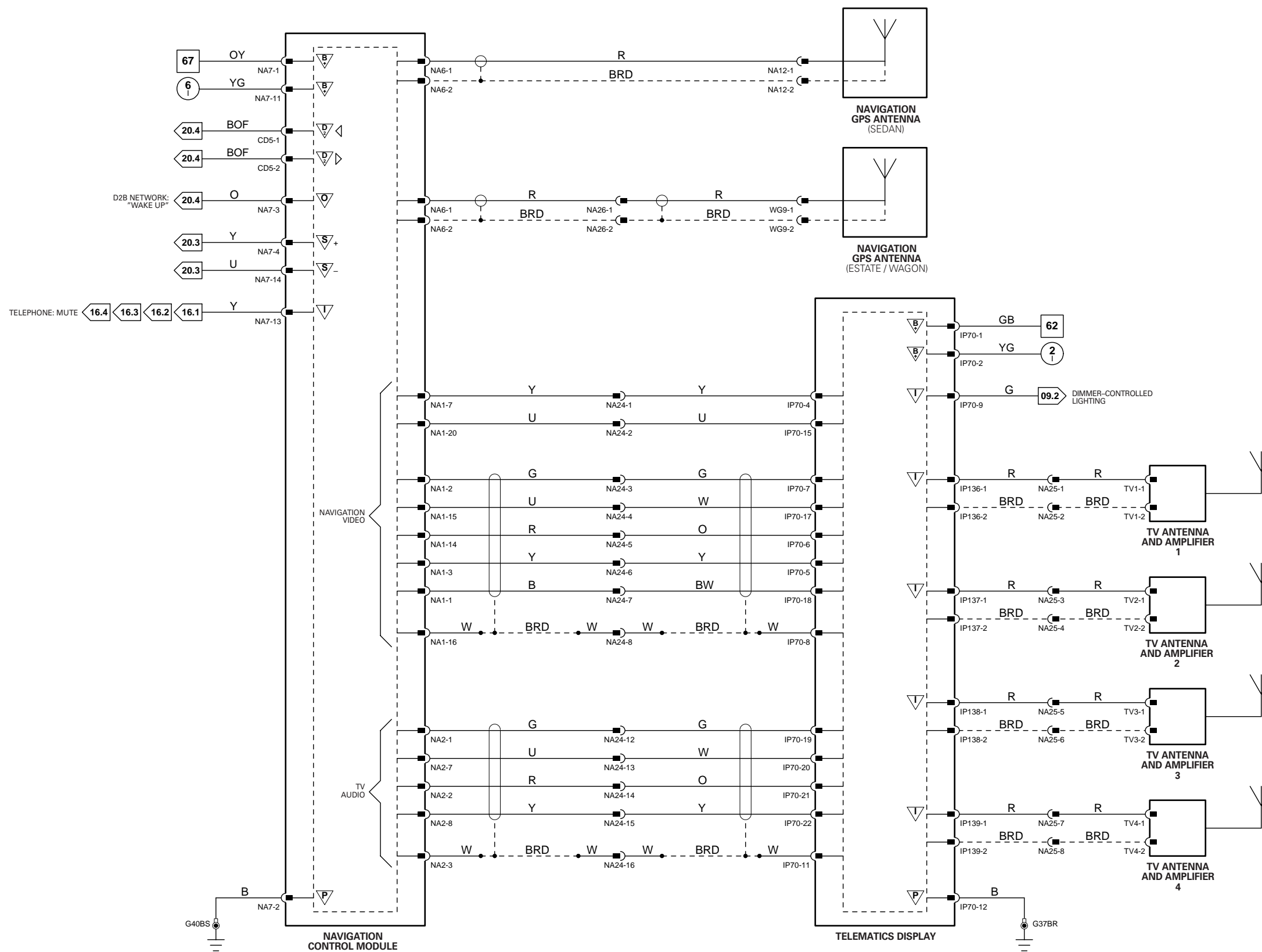
HARNESS IN-LINE CONNECTORS

Connector	Connector Description	Location
NA24	16-WAY / GREEN / INSTRUMENT PANEL HARNESS TO NAVIGATION HARNESS	BELOW INSTRUMENT PANEL / LH SIDE
NA25	8-WAY / GREY / INSTRUMENT PANEL HARNESS TO NAVIGATION HARNESS	BELOW INSTRUMENT PANEL / LH SIDE
NA26	2-WAY / BLACK / NAVIGATION HARNESS TO TAIL GATE GLASS HARNESS	ESTATE (WAGON) GPS ANTENNA

GROUNDS

Ground	Harness	Location
G37	IP	BEHIND INSTRUMENT PANEL / RH SIDE OF CROSS CAR BEAM
G40	NA	TRUNK / LH QUARTER PANEL

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.



1 → 6 Fig. 01.1
7 → 33 Fig. 01.2

34 → 79 Fig. 01.3
1 → 10 Fig. 01.4

11 → 31 Fig. 01.5
32 → 66 Fig. 01.6

67 → 76 Fig. 01.7
77 → 97 Fig. 01.8

98 → 107 Fig. 01.9

▽ Input
▽ Output

B Battery Voltage
P Power Ground

▽ Sensor/Signal Supply V
▽ Sensor/Signal Ground

C CAN
S SCP
D D2B Network
D Serial and Encoded Data

VARIANT: NAV Vehicles (except Japan)
VIN RANGE: All
DATE OF ISSUE: August 2003

Fig. 16.6

COMPONENTS

Component	Connector(s)	Connector Description	Location
NAVIGATION CONTROL MODULE	CD5	2-WAY / D2B	TRUNK, LH REAR
	NA1	26-WAY / WHITE	
	NA2	12-WAY / BLACK	
	NA6	2-WAY / GREY	
	NA7	20-WAY / BLACK	
	WG9	2-WAY / BLACK	
	NA12	2-WAY / GREY	
NAVIGATION GPS ANTENNA – ESTATE (WAGON)	WG9	2-WAY / BLACK	UNDER REAR SPOILER / LH SIDE
NAVIGATION GPS ANTENNA – SEDAN	NA12	2-WAY / GREY	BELOW PARCEL SHELF / LH SIDE
ROOF CONSOLE – PRINTED CIRCUIT BOARD	RC23	20-WAY / WHITE	ROOF CENTER FRONT
ROOF CONSOLE – WITHOUT PRINTED CIRCUIT BOARD	RC30	4-WAY / BLACK	ROOF CENTER FRONT
	RC31	2-WAY / BLACK	
	RC33	4-WAY / BLACK	
	RC34	6-WAY / BLACK	
TELEMATICS DISPLAY	IP70	22-WAY / BLACK	CENTER CONSOLE
	IP136	2-WAY / METALLIC	
	IP137	2-WAY / METALLIC	
	IP138	2-WAY / METALLIC	
	IP139	2-WAY / METALLIC	
TV ANTENNA AND AMPLIFIER 1	TV1	2-WAY / METALLIC	REAR ROOF TRIM, ABOVE FIXED GLASS
TV ANTENNA AND AMPLIFIER 2	TV2	2-WAY / METALLIC	REAR ROOF TRIM, ABOVE FIXED GLASS
TV ANTENNA AND AMPLIFIER 3	TV3	2-WAY / METALLIC	REAR ROOF TRIM, ABOVE FIXED GLASS
TV ANTENNA AND AMPLIFIER 4	TV4	2-WAY / METALLIC	REAR ROOF TRIM, ABOVE FIXED GLASS
VEHICLE INFORMATION ANTENNA AND AMPLIFIER	NA11	2-WAY / METALLIC	SEDAN: BEHIND RH 'E' POST ESTATE (WAGON): REAR ROOF TRIM ABOVE FIXED GLASS / LH SIDE
VEHICLE INFORMATION CONTROL MODULE	NA8	2-WAY / METALLIC	
	NA9	10-WAY / NATURAL	
	NA10	2-WAY / METALLIC	
	CA222	2-WAY / METALLIC	
VEHICLE INFORMATION SENSOR	CA222	2-WAY / METALLIC	TOP OF INSTRUMENT PANEL / LH SIDE

HARNES IN-LINE CONNECTORS

Connector	Connector Description	Location
CA40	16-WAY / GREY / CABIN HARNESS TO ROOF HARNESS	RH 'A' POST / WINDSHIELD PILLAR
CA406	3-WAY / GREY / NAVIGATION HARNESS TO CABIN HARNESS	BELOW LH REAR SEAT CUSHION
NA24	16-WAY / GREEN / INSTRUMENT PANEL HARNESS TO NAVIGATION HARNESS	BELOW INSTRUMENT PANEL / LH SIDE
NA25	8-WAY / GREY / INSTRUMENT PANEL HARNESS TO NAVIGATION HARNESS	BELOW INSTRUMENT PANEL / LH SIDE
NA26	2-WAY / BLACK / NAVIGATION HARNESS TO TAIL GATE GLASS HARNESS	ESTATE (WAGON) GPS ANTENNA

GROUNDS

Ground	Harness	Location
G37	IP	BEHIND INSTRUMENT PANEL / RH SIDE OF CROSS CAR BEAM
G40	NA	TRUNK / LH QUARTER PANEL

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.

