

## Audio Unit

Pin	Description and Characteristic
D2	ID1-1 D2B NETWORK TRANSMIT
D2	ID1-2 D2B NETWORK RECEIVE
PG	IP65-01 POWER GROUND: GROUND
B+	IP65-02 IGNITION SWITCHED POWER SUPPLY (I): B+
O	IP65-03 LH REAR AUDIO +
O	IP65-04 LH REAR AUDIO -
O	IP65-05 RH REAR AUDIO +
O	IP65-06 RH REAR AUDIO -
I	IP65-07 TELEPHONE MUTE SIGNAL
O	IP65-08 SECURITY SYSTEM GROUND SENSING: GROUND WHEN AUDIO UNIT INSTALLED
S	IP65-09 SCP +
S	IP65-10 SCP -
B+	IP65-11 BATTERY POWER SUPPLY: B+
O	IP65-13 LH FRONT AUDIO -
O	IP65-14 LH FRONT AUDIO +
O	IP65-15 RH FRONT AUDIO -
O	IP65-16 RH FRONT AUDIO +
I	IP65-17 DIMMER CONTROLLED ILLUMINATION: PWM, 80 Hz. GROUND = 0% DUTY CYCLE, B+ = 100% DUTY CYCLE
I	IP65-18 STEERING WHEEL SWITCHES: STEPPED RESISTANCE
O	IP65-19 D2B NETWORK WAKE-UP

## Fig. 15.1

### COMPONENTS

Component	Connector(s)	Connector Description	Location
AM / FM ANTENNA - ESTATE (WAGON)	CA116	3-WAY / BLACK	ROOF CENTER REAR
	CA118	2-WAY / BLACK	
ANTENNA MODULE - SEDAN	CA115	3-WAY / BLACK	BEHIND LH 'E' POST TRIM
	CA117	2-WAY / BLACK	
AUDIO CONTROL SWITCHES	SW3	4-WAY / BLACK	STEERING WHEEL
AUDIO UNIT	ID1	2-WAY / D2B	INSTRUMENT PANEL CENTER
	IP65	20-WAY / BLACK	
	IP106	2-WAY / METALLIC	
CD AUTOCHANGER	CA301	3-WAY / BLACK	TRUNK / LH SIDE
	CD2	2-WAY / D2B	
FULL RANGE SPEAKER - LH REAR	BL4	2-WAY / WHITE	LH REAR DOOR
FULL RANGE SPEAKER - RH REAR	BR4	2-WAY / WHITE	RH REAR DOOR
HEATED REAR WINDOW - SEDAN	ZA1	1-WAY / BLACK	REAR WINDOW
	ZA10	1-WAY / BLACK	
MID BASS SPEAKER - DRIVER DOOR	DD6	2-WAY / WHITE	DRIVER DOOR CASING
MID BASS SPEAKER - PASSENGER DOOR	PD5	2-WAY / WHITE	PASSENGER DOOR CASING
TWEETER SPEAKER - DRIVER DOOR	DD12	2-WAY / WHITE	DRIVER DOOR CASING
TWEETER SPEAKER - PASSENGER DOOR	PD11	2-WAY / WHITE	PASSENGER DOOR CASING

### HARNESS IN-LINE CONNECTORS

Connector	Connector Description / Location	Location
CA15	20-WAY / BLACK / CABIN HARNESS TO DRIVER DOOR HARNESS	DRIVER DOOR / DOOR CASING
CA16	20-WAY / BLACK / CABIN HARNESS TO DRIVER DOOR HARNESS	DRIVER DOOR / DOOR CASING
CA20	20-WAY / BLACK / CABIN HARNESS TO PASSENGER DOOR HARNESS	PASSENGER DOOR / DOOR CASING
CA21	20-WAY / BLACK / CABIN HARNESS TO PASSENGER DOOR HARNESS	PASSENGER DOOR / DOOR CASING
CA25	14-WAY / NATURAL / CABIN HARNESS TO LH REAR DOOR HARNESS	LH 'B/C' POST / 'B/C' POST TRIM
CA30	14-WAY / NATURAL / CABIN HARNESS TO RH REAR DOOR HARNESS	RH 'B/C' POST / 'B/C' POST TRIM
CA189	2-WAY / BLACK / CABIN HARNESS TO INSTRUMENT PANEL HARNESS	LH LOWER 'A' POST / 'A' POST TRIM
CA230	16-WAY / BLUE / CABIN HARNESS TO INSTRUMENT PANEL HARNESS	LH LOWER 'A' POST / 'A' POST TRIM
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

### GROUNDS

Ground	Harness	Location
G1	CA	TRUNK / UNDER LH TAIL LAMP UNIT
G14	JB	ENGINE COMPARTMENT / BEHIND POWER DISTRIBUTION FUSEBOX
G37	IP	BEHIND INSTRUMENT PANEL / RH SIDE OF CROSS CAR BEAM

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.



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S	IP65-09	SCP +
S	IP65-10	SCP -
B+	IP65-11	BATTERY POWER SUPPLY: B+
I	IP65-17	DIMMER CONTROLLED ILLUMINATION: PWM, 80 Hz. GROUND = 0% DUTY CYCLE, B+ = 100% DUTY CYCLE
I	IP65-18	STEERING WHEEL SWITCHES: STEPPED RESISTANCE
O	IP65-19	D2B NETWORK WAKE-UP

## Fig. 15.2

### COMPONENTS

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AM / FM ANTENNA - ESTATE (WAGON)	CA116	3-WAY / BLACK	ROOF CENTER REAR
	CA118	2-WAY / BLACK	
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MID BASS SPEAKER - PASSENGER DOOR	PD5	2-WAY / WHITE	PASSENGER DOOR CASING
MID BASS SPEAKER - RH REAR	BR4	2-WAY / WHITE	RH REAR DOOR CASING
POWER AMPLIFIER	CA425	12-WAY / GREY	TRUNK, LH REAR
	CA426	18-WAY / BLACK	
	CD7	2-WAY / D2B	
SUB WOOFER - ESTATE (WAGON)	CA428	4-WAY / BLACK	RH REAR INTERIOR TRIM
SUB WOOFER 1 - SEDAN	CA427	4-WAY / WHITE	PARCEL SHELF
SUB WOOFER 2 - SEDAN	CA427	4-WAY / WHITE	PARCEL SHELF
TWEETER SPEAKER - DRIVER DOOR	DD12	2-WAY / WHITE	DRIVER DOOR CASING
TWEETER SPEAKER - LH REAR	BL7	2-WAY / WHITE	LH REAR DOOR CASING
TWEETER SPEAKER - PASSENGER DOOR	PD11	2-WAY / WHITE	PASSENGER DOOR CASING
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