CONTROL MODULE PIN-OUT INFORMATION

Instrument Cluster

▽	Pin	Description and Characteristic
C	IP6-08	CAN +
C	IP6-09	CAN –
S	IP6-10	SCP –
S	IP6-20	SCP +

Parking Aid Module

▽	Pin	Description and Characteristic
B+	CR52-01	IGNITION SWITCHED POWER SUPPLY (II): B+
SS	CR52-02	FRONT SENSOR SIGNAL SUPPLY VOLTAGE: B+
PG	CR52-03	POWER GROUND: GROUND
SG	CR52-04	REAR SENSOR SIGNAL GROUND: GROUND
D	CR52-05	SERIAL DATA LINK
I	CR52-06	CHIME INHIBIT SIGNAL
I	CR52-07	PARKING AID SWITCH SIGNAL: GROUND WHEN ACTIVATED
I	CR52-08	TRAILER CONNECTED STATUS: GROUND = TRAILER CONNECTED
I	CR52-09	REVERSE LAMPS STATUS: B+ = REVERSE LAMPS ON
D	CR52-10	REAR LH CENTER SENSOR SIGNAL DATA
D	CR52-11	REAR LH SENSOR SIGNAL DATA
D	CR52-12	FRONT LH CENTER SENSOR SIGNAL DATA
D	CR52-13	FRONT LH SENSOR SIGNAL DATA
O	CR52-14	PARKING AID SOUNDERS +
SS	CR52-15	REAR SENSOR SIGNAL SUPPLY VOLTAGE: B+
SG	CR52-16	REAR SENSOR SIGNAL GROUND: GROUND
O	CR52-17	REAR PARKING AID SOUNDER –
O	CR52-18	FRONT PARKING AID SOUNDER –
O	CR52-19	PARKING AID STATUS LED ACTIVATE: TO ACTIVATE, PAM SWITCHES CIRCUIT TO B+
D	CR52-23	REAR RH CENTER SENSOR SIGNAL DATA
D	CR52-24	REAR RH SENSOR SIGNAL DATA
D	CR52-25	FRONT RH CENTER SENSOR SIGNAL DATA
D	CR52-26	FRONT RH SENSOR SIGNAL DATA

Rear Electronic Module

▽	Pin	Description and Characteristic
O	CR11-17	PARKING AID CHIME INHIBIT SIGNAL
S	CR13-01	SCP +
S	CR13-02	SCP –

NOTE: Refer to the Appendix at the rear of this book for Network Messages.

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.

Fig. 18.1

COMPONENTS

Component	Connector(s)	Connector Description	Location
INSTRUMENT CLUSTER	IP5	22-WAY / GREY	INSTRUMENT PANEL
	IP6	20-WAY / BLACK	
	IP7	22-WAY / BLACK	
PARKING AID MODULE	CR52	26-WAY / BLACK	TRUNK / SPARE WHEEL WELL
PARKING AID SENSOR – FRONT LH	BF5	3-WAY / BLACK	FRONT BUMPER
PARKING AID SENSOR – FRONT LH CENTER	BF4	3-WAY / BLACK	FRONT BUMPER
PARKING AID SENSOR – FRONT RH	BF2	3-WAY / BLACK	FRONT BUMPER
PARKING AID SENSOR – FRONT RH CENTER	BF3	3-WAY / BLACK	FRONT BUMPER
PARKING AID SENSOR – REAR LH	BR5	3-WAY / BLACK	REAR BUMPER
PARKING AID SENSOR – REAR LH CENTER	BR4	3-WAY / BLACK	REAR BUMPER
PARKING AID SENSOR – REAR RH	BR2	3-WAY / BLACK	REAR BUMPER
PARKING AID SENSOR – REAR RH CENTER	BR3	3-WAY / BLACK	REAR BUMPER
PARKING AID SOUNDER – FRONT	IP46	2-WAY / BLACK	INSTRUMENT PANEL / DRIVER SIDE
PARKING AID SOUNDER – REAR	TL6	2-WAY / BLACK	PARCEL SHELF / RH SIDE
REAR ELECTRONIC MODULE	CR4	20-WAY / BLACK	TRUNK / RH REAR
	CR11	26-WAY / NATURAL	
	CR12	12-WAY / BLACK	
	CR13	22-WAY / BLACK	
	CR71	17-WAY / BLACK	
	CR73	4-WAY / BLACK	
ROOF CONSOLE	RF3	20-WAY / BLACK	CABIN ROOF

HARNESS IN-LINE CONNECTORS

Connector	Connector Description	Location
BF1	10-WAY / BLACK / ENGINE COMPARTMENT HARNESS TO FRONT BUMPER HARNESS	ENGINE COMPARTMENT / BEHIND RH WHEEL ARCH LINER
BR1	10-WAY / GREY / CABIN HARNESS TO REAR BUMPER HARNESS	TRUNK / RH SIDE / ADJACENT TO REAR ELECTRONIC MODULE
EC46	22-WAY / BLACK / ENGINE COMPARTMENT HARNESS TO CABIN HARNESS	CABIN / RH 'A' POST
IP1	10-WAY / GREY / CABIN HARNESS TO INSTRUMENT PANEL HARNESS	CABIN / BEHIND DRIVER SIDE INSTRUMENT PANEL END PLATE
RF2	16-WAY / BLUE / CABIN HARNESS TO ROOF HARNESS	CABIN / RH 'D' POST
TL35	22-WAY / BLACK / CABIN HARNESS TO TELEMATICS HARNESS	TRUNK / LH SIDE / BEHIND CD AUTOCHANGER

GROUNDS

Ground	Location
G17	CABIN / BELOW REAR SEAT / RH SIDE
G29	TRUNK / SPARE WHEEL WELL

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

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.