

CONTROL MODULE PIN-OUT INFORMATION

Front Electronic Module

Pin	Description and Characteristic	
CR+04	RAIN SENSING MODULE SIGNAL- PULSED SIGNAL	
CR+06	RAIN SENSING MODULE POWER SUPPLY, B+	
PG	POWER GROUND, GROUND	
SG	LOGIC GROUND, GROUND	
GR+01	SWITCHES SYSTEM POWER SUPPLY, B+	
GR+01	POWER GROUND, GROUND	
PG	POWER GROUND, GROUND	
GR+02	POWER GROUND, GROUND	
PG	POWER GROUND, GROUND	
CRS+02	POWER GROUND, GROUND	
CRS+04	WINDSHIELD WASHER PUMP DRIVE, TO ACTIVATE, FEW SWITCHES CIRCUIT TO GROUND	
CRS+08	WIFE / WASH SWITCHES SIGNAL GROUND, GROUND	
CRS+08	MOMENTARY WIFE SWITCH SIGNAL, VARIABLE RESISTANCE	
CRS+10	WASH / WIFE SWITCH SIGNAL, VARIABLE RESISTANCE	
CRS+13	INTERMITTENT WIFE SWITCH SIGNAL, VARIABLE RESISTANCE	
CRS+16	WIFE MASTER SWITCH SIGNAL, VARIABLE RESISTANCE	
0	EC24+1	WIFE ON / OFF RELAY ACTIVATE, TO ACTIVATE, FEW SWITCHES CIRCUIT TO GROUND
1	EC24+3	WIFE ON / OFF RELAY ACTIVATE, TO ACTIVATE, FEW SWITCHES CIRCUIT TO GROUND
1	EC24+4	WIFE ON / OFF RELAY ACTIVATE, TO ACTIVATE, FEW SWITCHES CIRCUIT TO GROUND
PG	EC24+0	RAIN SENSING MODULE POWER GROUND, GROUND
0	EC24+6	POWER WASH RELAY ACTIVATE, TO ACTIVATE, FEW SWITCHES CIRCUIT TO GROUND
0	EC24+7	WIFE MASTER SWITCH ACTIVATE, TO ACTIVATE, FEW SWITCHES CIRCUIT TO GROUND

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

Fig. 13.1

COMPONENTS

Component

FRONT ELECTRONIC MODULE

FRONT POWER DISTRIBUTION FUSE BOX

Connector(s)	Connector Description	Location
CR1	20AWG / BLACK	CABIN / LH 'A' POST
CR8	12AWG / BLACK	
CR10	12AWG / BLACK	
CR16	20AWG / BLACK	
EC4	4AWG / BLACK	ENGINE COMPARTMENT / RH FRONT
EC10	4AWG / BLACK	
EC19	4AWG / BLACK	
EC22	4AWG / BLACK	
EC26	8AWG / BLACK	
EC28	12AWG / BLACK	
EC32	4AWG / BLACK	
EC34	4AWG / BLACK	
EC40	8AWG / BLACK	
EC41	10AWG / BLACK	
EC24	2AWG / BLACK	ENGINE COMPARTMENT / ADJACENT TO WASHER FLUID RESERVOIR
—	—	FRONT POWER DISTRIBUTION FUSE BOX-R11
RF6	3AWG / BLACK	CABIN / WINDSHIELD CENTER
EC25	2AWG / BLACK	ENGINE COMPARTMENT / WASHER FLUID RESERVOIR
EC31	2AWG / BLACK	ENGINE COMPARTMENT / ADJACENT TO WASHER FLUID RESERVOIR
IP40	6AWG / BLACK	STEERING COLUMN
—	—	FRONT POWER DISTRIBUTION FUSE BOX-R8
EC27	4AWG / BLACK	ENGINE COMPARTMENT BULKHEAD
—	—	FRONT POWER DISTRIBUTION FUSE BOX-R4

HARNES IN-LINE CONNECTORS

Connector

Connector Description

Location

EC1	20AWG / BLACK / ENGINE COMPARTMENT HARNESS TO CABIN HARNESS	CABIN / RH 'A' POST
EC3	16AWG / BLACK / ENGINE COMPARTMENT HARNESS TO CABIN HARNESS	CABIN / ABOVE LH FOOTWELL
IP1	14AWG / GREY / CABIN HARNESS TO INSTRUMENT PANEL HARNESS	CABIN / BEHIND LH SIDE INSTRUMENT PANEL END PLATE
IP4	14AWG / GREEN / CABIN HARNESS TO INSTRUMENT PANEL HARNESS	CABIN / BEHIND LH SIDE INSTRUMENT PANEL END PLATE
RF2	16AWG / BLUE / CABIN HARNESS TO ROOF HARNESS	CABIN / RH 'D' POST
RF26	8AWG / BLACK / CABIN HARNESS TO ROOF HARNESS	CABIN / UPPER LH 'A' POST

GROUND

Ground

Location

G2	ENGINE COMPARTMENT / BELOW FRONT POWER DISTRIBUTION FUSE BOX
GR	CABIN / UPPER LH 'A' POST
GR6	ENGINE COMPARTMENT / RH SIDE / REARWARD OF SUSPENSION TOWER
GR8	ENGINE COMPARTMENT / LH SIDE / REARWARD OF SUSPENSION TOWER

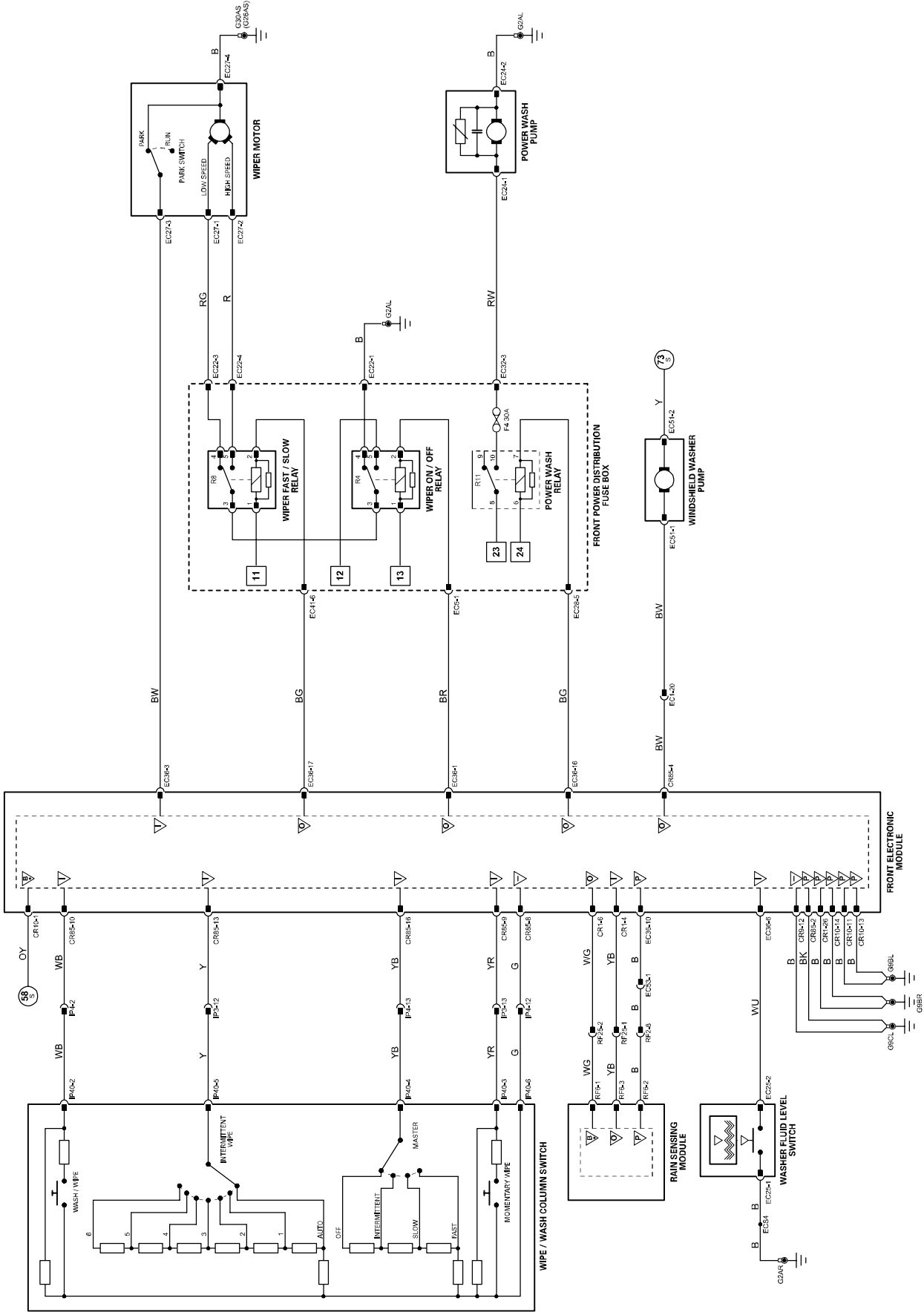
FOR CONTROL MODULE PIN-OUT INFORMATION, UNFOLD PAGE TO LEFT.

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

Input	PG	PC	Power Ground	C	CAN Network	D	Serial and Encoded Data
Output	SS	SS	Sensor / Signal Supply V	S	SCP Network	V	Voltage (DC)
B+	B+	SG	Sensor / Signal Ground	DZ	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.



1	8	Fig. 01.1	Fig. 01.3	Fig. 01.7	Input	Battery Voltage	Sensor/Signal Supply V	ACP	SCP	VARIANT: All Vehicles
7	63	Fig. 01.2	Fig. 01.4	Fig. 01.8	Output	Power-Ground	Sensor/Signal Ground	CAN	CAN	WIN RANGE: All
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