

Fig. 08.1

CONTROL MODULE PIN-OUT INFORMATION

Major Instrument Cluster

Pin	Description and Characteristic
B+	IGNITION SWITCHED POWER SUPPLY: B+
B-	IGNITION SWITCHED POWER SUPPLY: B-
FC2-01	MINOR INSTRUMENT PACK BATTERY POWER SUPPLY: B+
FC2-02	MINOR INSTRUMENT PACK BATTERY POWER SUPPLY: B-
FC2-03	LOG GROUND: GROUND WHEN ACTIVATED
FC2-04	LOG GROUND: GROUND
FC2-05	ILLUMINATION SUPPLY: B+
FC2-06	ILLUMINATION SUPPLY: B-
FC2-07	TRIP CYCLE: GROUND (MOMENTARY)
FC2-08	MAP TRIP SELECT: GROUND (MOMENTARY)
FC2-09	WAXMAY SELECT: GROUND (MOMENTARY)
FC2-10	WAXMAY SELECT: GROUND (MOMENTARY)
FC2-11	CAN+
FC2-12	SCP+
FC2-13	SCP-
FC2-14	BATTERY POWER SUPPLY: B+
FC2-15	POWER SUPPLY: GROUND
FC2-16	POWER SUPPLY: GROUND
FC2-17	ILLUMINATION SUPPLY: B+
FC2-18	WAXMAY SELECT: GROUND (MOMENTARY)
FC2-19	WAXMAY SELECT: GROUND (MOMENTARY)
FC2-20	CAN-
FC2-21	CAN-
FC2-22	CAN-
FC2-23	CAN-
FC2-24	CAN-
FC2-25	SIGNAL GROUND: GROUND
FC2-26	SIGNAL GROUND: GROUND
FC2-01	BATTERY CHARGE WARNING
FC2-02	OIL PRESSURE WARNING
FC2-03	VEHICLE SPEED SIGNAL--PAS
FC2-04	VEHICLE SPEED SIGNAL--ADAPTIVE DAMPING CONTROL MODULE
FC2-05	VEHICLE SPEED SIGNAL--VEHICLE SPEED SIGNAL: 3 V (MIDPOINT)
FC2-06	BATTERY VOLTAGE GAUGE POSITION FEEDBACK: 3 V (MIDPOINT)
FC2-07	BATTERY VOLTAGE GAUGE POSITION FEEDBACK: 3 V (MIDPOINT)
FC2-08	BATTERY VOLTAGE GAUGE POSITION FEEDBACK: 3 V (MIDPOINT)
FC2-09	BATTERY VOLTAGE GAUGE POSITION FEEDBACK: 3 V (MIDPOINT)
FC2-10	OIL PRESSURE GAUGE MOVEMENT: 37--4 V (PULSE)
FC2-11	BATTERY VOLTAGE GAUGE MOVEMENT: 37--4 V (PULSE)
FC2-12	BATTERY VOLTAGE GAUGE MOVEMENT: 37--4 V (PULSE)
FC2-13	FUEL LEVEL GAUGE SIGNAL: VARIABLE RESISTANCE
FC2-14	FUEL LEVEL GAUGE SIGNAL: VARIABLE RESISTANCE
FC2-15	FUEL LEVEL GAUGE SIGNAL: VARIABLE RESISTANCE
FC2-16	AIR BAG MIL: GROUND WHEN ACTIVATED
FC2-17	OIL PRESSURE GAUGE MOVEMENT: 37--4 V (PULSE)
FC2-18	OIL PRESSURE GAUGE MOVEMENT: 37--4 V (PULSE)
FC2-19	LOW OIL PRESSURE SWITCH SIGNAL: GROUND WHEN ACTIVATED
FC2-20	LOW OIL PRESSURE SWITCH SIGNAL: GROUND WHEN ACTIVATED
FC2-21	WAXMAY SELECT: GROUND (MOMENTARY)
FC2-22	WAXMAY SELECT: GROUND (MOMENTARY)
FC2-23	LOW COOLANT SWITCH SIGNAL: GROUND WHEN ACTIVATED
FC2-24	LOW COOLANT SWITCH SIGNAL: GROUND WHEN ACTIVATED
FC2-25	PARKING BRAKE SWITCH SIGNAL: GROUND WHEN ACTIVATED
FC2-26	PARKING BRAKE SWITCH SIGNAL: GROUND WHEN ACTIVATED

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

COMPONENTS

Component	Connector(s)	Connector Description	Location
ENGINE COOLANT LEVEL SWITCH	EM65	2-WAY / BROWN	ENGINE COMPARTMENT / COOLANT RESERVOIR
FUEL LEVEL SENSOR	FT3	6-WAY / NATURAL	FUEL TANK / EVAPORATIVE FLANGE
MAJOR INSTRUMENT CLUSTER	FC25	26-WAY / BLACK	FASCIA
	FC26	26-WAY / YELLOW	
MINOR INSTRUMENT CLUSTER	FC79	20-WAY / BLACK	FASCIA
OIL PRESSURE SWITCH	PH0	20-WAY / YELLOW	ENGINE BLOCK / RH SIDE
PARKING BRAKE SWITCH	FC19	1-WAY / BLACK	BELOW PARKING BRAKE LEVER
TRIP COMPUTER SWITCH PACK	FC27	10-WAY / BLACK	FASCIA / DRIVER SIDE
TRIP CYCLE SWITCH (COLUMN SWITCH/GEAR)	SC2	10-WAY / YELLOW	ADJACENT TO STEERING COLUMN MOTOR

HARNES IN-LINE CONNECTORS

Connector	Connector Description	Location
BTZ	20-WAY / WHITE / REARWARD HARNES TO TRUNK HARNES	TRUNK / ABOVE RIGHT HAND REAR WHEELARCH
EM1	20-WAY / WHITE / ENGINE MANAGEMENT HARNES TO FASCIA HARNES	ADJACENT TO RIGHT HAND BLOWER MOTOR
EM2	20-WAY / YELLOW / ENGINE MANAGEMENT HARNES TO FASCIA HARNES	ADJACENT TO RIGHT HAND BLOWER MOTOR
FT1	10-WAY / WHITE / TRUNK HARNES TO FUEL PUMP LINK HARNES	FUEL TANK / REAR
PH1	57-WAY / BLACK / ENGINE HARNES TO ENGINE MANAGEMENT HARNES	ENGINE COMPARTMENT / BRACKET ON TOP OF TRANSMISSION
RH1	20-WAY / GREY / FASCIA HARNES TO REARWARD HARNES	REAR OF CENTER CONSOLE ASSEMBLY
SC2	10-WAY / YELLOW / FASCIA HARNES TO COLUMN SWITCH GEAR HARNES	ADJACENT TO STEERING COLUMN MOTOR

GROUND

Ground	Location
EM1	ENGINE COMPARTMENT RIGHT HAND ENCLOSURE
EM2	ENGINE COMPARTMENT LEFT HAND ENCLOSURE
FC2	RIGHT HAND 'A' POST
FC3	TRANSMISSION TUNNEL LEFT HAND SIDE
FC4	LEFT HAND '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	V	Voltage (DC)
O	Output	SS	Sensor / Signal Supply	S	SCP Network	PWM	Pulse Width Modulated
B+	Battery Voltage	SG	Sensor / Signal Ground	D	Serial and Encoded Data		

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.

