CONTROL MODULE PIN OUT INFORMATION

MAJOR INSTRUMENT PACK

▽	Pin	Description	Active	Inactive
I	FC25-01	IGNITION SWITCHED POWER SUPPLY	B+	GROUND
O	FC25-02	MINOR INSTRUMENT PACK BATTERY POWER SUPPLY	B+	B+
I	FC25-03	ADAPTIVE DAMPING WARNING	GROUND	B+
I	FC25-04	GROUND	GROUND	GROUND
I	FC25-06	ILLUMINATION SUPPLY	B+	GROUND
I	FC25-07	TRIP CYCLE	GROUND (MOMENTARY)	
I	FC25-08	'A/B' TRIP SELECT	GROUND (MOMENTARY)	
I	FC25-09	'ML/KM' SELECT	GROUND (MOMENTARY)	
C	FC25-10	CAN NETWORK	15 – 1500 Hz	
C	FC25-11	CAN NETWORK	15 – 1500 Hz	
S	FC25-13	SCP NETWORK	2 – 1600 Hz	
S	FC25-14	SCP NETWORK	2 – 1600 Hz	
I	FC25-15	BATTERY POWER SUPPLY	B+	B+
I	FC25-16	GROUND	GROUND	GROUND
O	FC25-17	MINOR INSTRUMENT PACK ILLUMINATION SUPPLY	B+	GROUND
I	FC25-18	'CLEAR' SELECT	GROUND (MOMENTARY)	
I	FC25-19	'000' SELECT	GROUND (MOMENTARY)	
C	FC25-23	CAN NETWORK	15 – 1500 Hz	
C	FC25-24	CAN NETWORK	15 – 1500 Hz	
O	FC25-25	GROUND REFERENCE	GROUND	GROUND
O	FC26-1	BATTERY CHARGE WARNING	< 3 V	B+
O	FC26-2	OIL PRESSURE WARNING	< 3 V = < 3 PSI	B+
O	FC26-3	ENGINE SPEED	5 V @ 1000 RPM = 45 Hz; 2000 RPM = 90 Hz	
O	FC26-4	ENGINE COOLANT TEMPERATURE	6 V = 90˚ C	
O	FC26-5	VEHICLE SPEED – A/CCM	22 Hz @ 10 MPH (16 KM/H); 44 Hz @ 20 MPH (32 KM/H) @ B+	
O	FC26-6	VEHICLE SPEED – PAS	22 Hz @ 10 MPH (16 KM/H); 44 Hz @ 20 MPH (32 KM/H) @ B+	
O	FC26-7	VEHICLE SPEED – ADAPTIVE DAMPING CONTROL MODULE	22 Hz @ 10 MPH (16 KM/H); 44 Hz @ 20 MPH (32 KM/H) @ B+	
O	FC26-8	BATTERY VOLTAGE GAUGE POSITION FEEDBACK	5 V (MIDPOINT)	
O	FC26-9	BATTERY VOLTAGE GAUGE POSITION FEEDBACK	5 V (MIDPOINT)	
O	FC26-10	OIL PRESSURE GAUGE POSITION FEEDBACK	5 V = 0 PSI; 3.3 V = NORMAL (MIDPOINT)	
O	FC26-11	BATTERY VOLTAGE GAUGE MOVEMENT	3.7 – 5 V (PULSE)	
O	FC26-12	BATTERY VOLTAGE GAUGE MOVEMENT	3.7 – 5 V (PULSE)	
I	FC26-13	FUEL LEVEL GAUGE FEEDBACK	B+ = EMPTY	0 V = FULL
O	FC26-14	FUEL LEVEL GAUGE REFERENCE GROUND	GROUND	GROUND
O	FC26-15	OIL PRESSURE GAUGE POSITION FEEDBACK	5 V = 0 PSI; 3.3 V = NORMAL (MIDPOINT)	
I	FC26-16	AIR BAG MIL	GROUND (ON)	B+
O	FC26-17	OIL PRESSURE GAUGE MOVEMENT	3.7 – 5 V (PULSE)	
O	FC26-18	OIL PRESSURE GAUGE MOVEMENT	3.7 – 5 V (PULSE)	
I	FC26-19	LOW OIL PRESSURE WARNING	> 3 V = > 3 PSI	B+
O	FC26-20	VEHICLE SPEED	22 Hz @ 10 MPH (16 KM/H); 44 Hz @ 20 MPH (32 KM/H) @ B+	
I	FC26-21	DIMMER OVERRIDE	GROUND	B+
I	FC26-22	CHARGE WARNING	B+	GROUND
I	FC26-23	LOW COOLANT WARNING	GROUND	B+

MINOR INSTRUMENT PACK

▽	Pin	Description	Active	Inactive
I	FC79-8	MINOR INSTRUMENT PACK ILLUMINATION SUPPLY	B+	B+
I	FC79-9	OIL PRESSURE GAUGE MOVEMENT	3.7 – 5 V (PULSE)	
I	FC79-10	OIL PRESSURE GAUGE MOVEMENT	3.7 – 5 V (PULSE)	
I	FC79-11	CHARGE WARNING	< 3 V	B+
I	FC79-12	BATTERY VOLTAGE GAUGE POSITION FEEDBACK	5 V (MIDPOINT)	
I	FC79-13	BATTERY VOLTAGE GAUGE POSITION FEEDBACK	5 V (MIDPOINT)	
I	FC79-14	BATTERY VOLTAGE GAUGE MOVEMENT	3.7 – 5 V (PULSE)	
I	FC79-15	BATTERY VOLTAGE GAUGE MOVEMENT	3.7 – 5 V (PULSE)	
I	FC79-16	GROUND	GROUND	GROUND
I	FC79-17	BATTERY POWER SUPPLY	B+	B+
I	FC79-18	LOW OIL PRESSURE WARNING	GROUND (< 3 PSI)	B+
I	FC79-19	OIL PRESSURE GAUGE POSITION FEEDBACK	5 V = 0 PSI; 3.3 V = NORMAL (MIDPOINT)	
I	FC79-20	OIL PRESSURE GAUGE POSITION FEEDBACK	5 V = 0 PSI; 3.3 V = NORMAL (MIDPOINT)	

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

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

I	**Input**	**SG**	**Sensor Ground**	**S**	**SCP Network**	**V**	**Voltage (DC)**
O	**Output**	**A**	**ACP Network**	**D**	**Serial and Encoded Data**	**Hz**	**Frequency**
SS	**Sensor Supply V**	**C**	**CAN (Network)**	**B+**	**Battery Voltage**	**kHz**	**Frequency x 1000**

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. "Active" means a load is applied or a switch is ON; "Inactive" means a load is not applied or a switch is OFF.

Fig. 08.1

COMPONENTS

Component	Connector / Type / Color	Location / Access
COOLANT LEVEL SWITCH	EM55 / 2-WAY AMP JUNIOR POWER TIMER / BROWN	ENGINE COMPARTMENT / COOLANT RESERVOIR
FUEL LEVEL SENSOR	FT3 / 6-WAY SUMITOMO DL090 / NATURAL	FUEL TANK EVAPORATIVE FLANGE
MAJOR INSTRUMENT PACK	FC25 / 26-WAY AMP MICRO QUAD LOCK / BLACK FC26 / 26-WAY AMP MICRO QUAD LOCK / YELLOW	FASCIA
MINOR INSTRUMENT PACK	FC79 / 20-WAY MULTILOCK 040 / BLACK	FASCIA
OIL PRESSURE SWITCH	PI40 / 1-WAY ECONOSEAL ECJ2 / BLACK	ENGINE BLOCK / RIGHT HAND SIDE
TRIP COMPUTER SWITCH PACK	FC27 / 10-WAY AMP MQL / BLACK	FASCIA / DRIVER SIDE
TRIP CYCLE SWITCH (COLUMN SWITCHGEAR)	SC2 / 10-WAY MULTILOCK 070 / YELLOW	STEERING COLUMN

HARNESS-TO-HARNESS CONNECTORS

Connector	Type / Color	Location / Access
BT2	20-WAY MULTILOCK 070 / WHITE	TRUNK / ABOVE RIGHT HAND REAR WHEEL ARCH
EM1	20-WAY MULTILOCK 070 / WHITE	ENGINE COMPARTMENT / ADJACENT TO RIGHT HAND ENCLOSURE
EM2	18-WAY MULTILOCK 070 / YELLOW	ENGINE COMPARTMENT / ADJACENT TO RIGHT HAND ENCLOSURE
FT1	10-WAY MULTILOCK 070 / WHITE	FUEL TANK / REAR
PI1	57-WAY SUMITOMO TS090 / BLACK	ENGINE COMPARTMENT / BRACKET ON TOP OF TRANSMISSION
RH1	20-WAY MULTILOCK 070 / GREY	BEHIND GLOVE BOX

GROUNDS

Ground	Location / Type
EM1BR	EYELET (PAIR) – RIGHT HAND LEG / ENGINE COMPARTMENT, RIGHT HAND ENCLOSURE
EM2BR	EYELET (PAIR) – RIGHT HAND LEG / ENGINE COMPARTMENT, LEFT HAND ENCLOSURE
FC2BR	EYELET (PAIR) – RIGHT HAND LEG / RIGHT HAND 'A' POST
FC3BL	EYELET (PAIR) – LEFT HAND LEG / TRANSMISSION TUNNEL, LEFT HAND SIDE
FC4BR	EYELET (PAIR) – RIGHT HAND LEG / LEFT HAND 'A' POST

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, grounds, control modules and control module pins.

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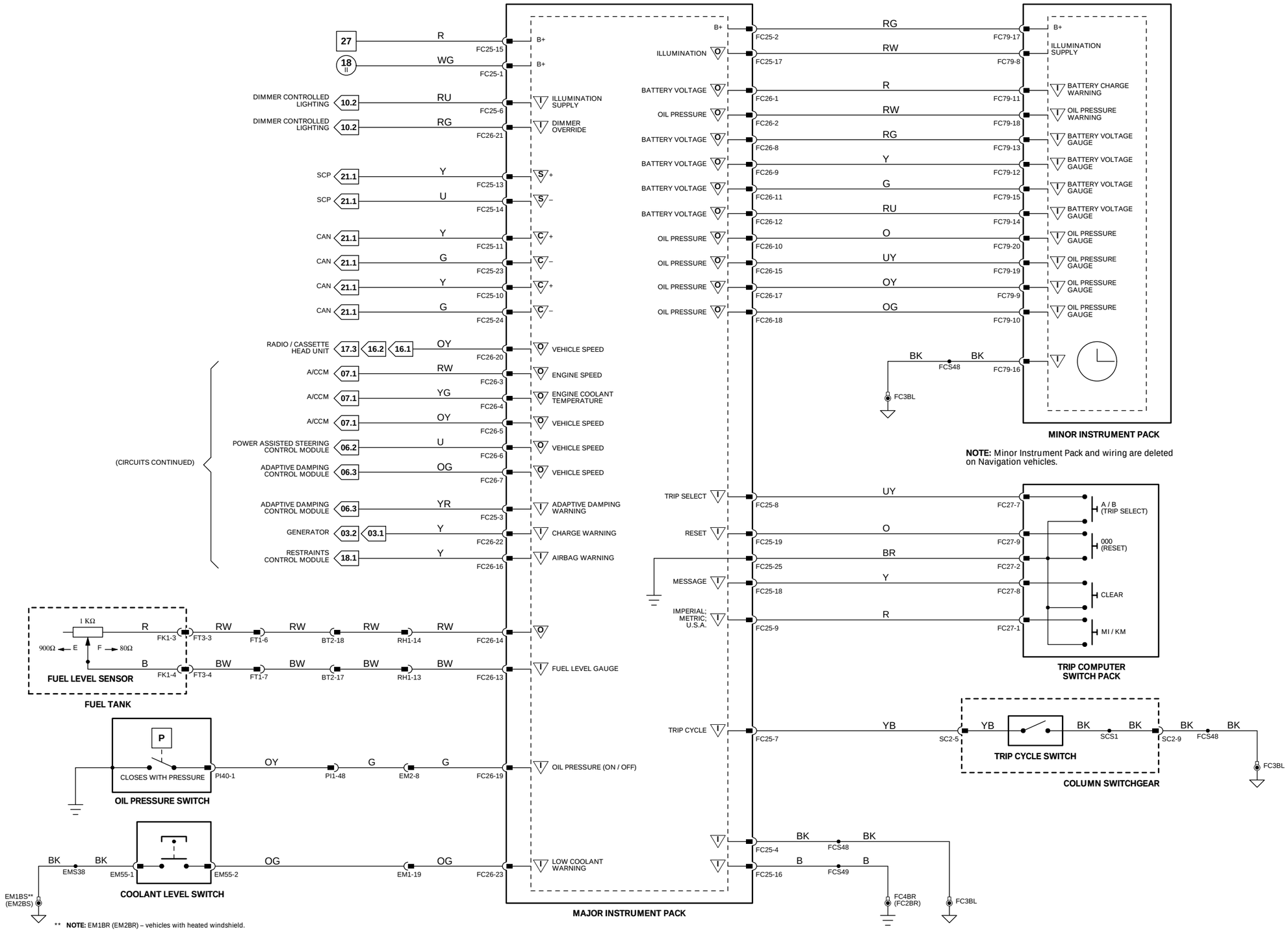


1 → 7 Fig. 01.1 (1 II → 5 E) Fig. 01.1 8 → 50 Fig. 02.1 51 → 90 Fig. 01.3 (6 II → 58 H) Fig. 01.4 (59 E → 73 E) Fig. 01.5 1 → 18 I Fig. 02.1

I Input O Output + Sensor Supply V – Sensor Ground A ACP C CAN S SCP D Serial and Encoded Data

VARIANT: All Vehicles
VIN RANGE: A11051 →
DATE OF ISSUE: September 2000

CONTROL MODULE PIN OUT INFORMATION

BODY PROCESSOR MODULE

▽	Pin	Description	Active	Inactive
I	FC14-8	AIRBAG WARNING	GROUND	B+
I	FC14-15	IGNITION SWITCHED GROUND SUPPLY	GROUND	
I	FC14-32	IGNITION SWITCHED GROUND SUPPLY	GROUND	GROUND
I	FC14-41	IGNITION SWITCHED GROUND SUPPLY	GROUND	
I	FC14-80	BATTERY POWER SUPPLY (LOGIC)	B+	B+
O	FC14-82	AUDIBLE WARNING SPEAKER OUTPUT	AUDIO OUTPUT	
O	FC14-83	AUDIBLE WARNING SPEAKER OUTPUT	AUDIO OUTPUT	
S	FC14-84	SCP NETWORK	2 – 1600 Hz	
S	FC14-85	SCP NETWORK	2 – 1600 Hz	
I	FC14-104	BATTERY POWER SUPPLY	B+	B+

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

Fig. 08.2

COMPONENTS

Component	Connector / Type / Color	Location / Access
AUDIBLE WARNING SPEAKER (COLUMN SWITCHGEAR)	SC1 / 12-WAY MULTILOCK 070 / WHITE	RIGHT HAND SIDE OF STEERING COLUMN
BODY PROCESSOR MODULE	FC14 / 104-WAY AMP EEEC / GREY	PASSENGER SIDE FASCIA / AIRBAG BRACKET

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

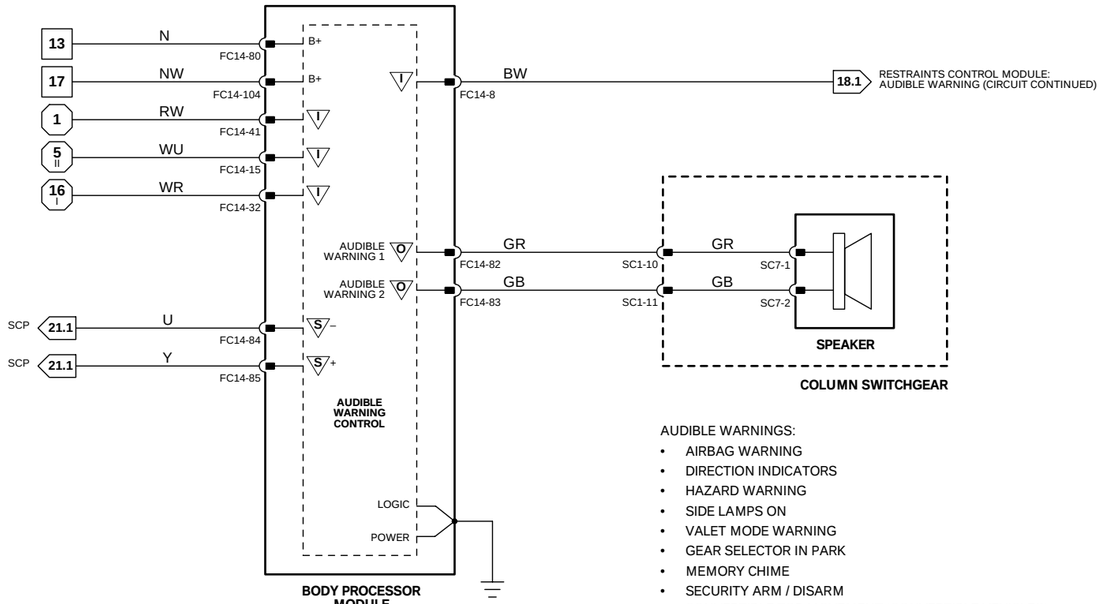
The following abbreviations are used to represent values for Control Module Pin-Out data

I	Input	SG	Sensor Ground	S	SCP Network	V	Voltage (DC)
O	Output	A	ACP Network	D	Serial and Encoded Data	Hz	Frequency
SS	Sensor Supply V	C	CAN (Network)	B+	Battery Voltage	kHz	Frequency x 1000

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. "Active" means a load is applied or a switch is ON; "Inactive" means a load is not applied or a switch is OFF.

Refer to the front of this book for detailed information and illustrations regarding the location and identification of harnesses, relays, grounds, control modules and control module pins.



SCP SOURCES:

- DIRECTION INDICATORS; HAZARD WARNING; SIDE LAMPS – Fig. 09.1, Fig. 09.2
- VALET SWITCH; TRUNK RELEASE – Fig. 13.1
- MEMORY – Fig. 11.1, Fig. 11.2, Fig. 12.1
- CONVERTIBLE TOP MOVEMENT – Fig. 15.2
- KEY-IN-IGNITION SWITCH / DRIVER DOOR SWITCH – Fig. 13.1
- NOT-IN-PARK MICROSWITCH – Fig. 05.3
- SEAT BELT SWITCH – Fig. 12.1, Fig. 12.2

AUDIBLE WARNINGS:

- AIRBAG WARNING
- DIRECTION INDICATORS
- HAZARD WARNING
- SIDE LAMPS ON
- VALET MODE WARNING
- GEAR SELECTOR IN PARK
- MEMORY CHIME
- SECURITY ARM / DISARM
- CONVERTIBLE TOP MOVEMENT (CONVERTIBLE VEHICLES)
- KEY-IN-IGNITION SWITCH / DRIVER DOOR AJAR (NAS VEHICLES ONLY)
- DRIVER SEAT BELT DISCONNECTED

1 → 7 Fig. 01.1 | 1 II → 5 E Fig. 01.1 | 8 → 50 Fig. 01.2 | 51 → 90 Fig. 01.3 | 6 II → 58 II Fig. 01.4 | 59 E → 73 E Fig. 01.5 | 1 → 18 I Fig. 02.1

I Input
O Output
+ Sensor Supply V
− Sensor Ground
A ACP
C CAN
S SCP
D Serial and Encoded Data

VARIANT: All Vehicles
VIN RANGE: A11051 →
DATE OF ISSUE: September 2000