

1 HOW TO READ THE WIRING DIAGRAMS

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MODELS

Model code		Engine model	Transmission model	Fuel supply system
F16A	SNHEL6	6G72 SOHC-12 valve [2,972 cm³]	F5M33 (5M/T)	MPI
	SNHER6*		F4A33 (ELC-4A/T)	
	SRHEL6			
	SRHER6*			
F16A	SNXML6	6G72 DOHC-24 valve [2,972 cm³]	F5M33 (5M/T)	
	SNXMR6*		F4A33 (ELC-4A/T)	
	SRXML6			
	SRXMR6		F5M33 (5M/T)	
	SNUML6		F4A33 (ELC-4A/T)	
	SNUMR6*			
	SRPML6			
	SRPMR6			

NOTE

* : Vehicles built up to April, 1994

COMPOSITION AND CONTENTS OF WIRING DIAGRAMS

- (1) This manual consists of wiring harness diagrams, installation locations of individual parts, circuit diagrams and wiring diagram.
- (2) In each of the sections, all specifications are listed, including optional specifications. Accordingly, some specifications may not be applicable for individual vehicles.

Section	Basic contents
Wiring harness configuration diagrams	Connector locations and harness wiring configurations on actual vehicles are illustrated.
Single part installation position	Locations are shown for earth points of relays, control units, sensors, diodes, check terminals, spare terminals, fusible links, fuses, etc. In the parts lists, parts are listed in alphabetical order.
Circuit diagrams	Circuits from power supply to earth are shown completely, classified according to system. There is a main division into power circuits, and circuits classified by system. The circuits classified by system also include operation and troubleshooting hints. • Power supply circuits Circuits from the battery to fusible link, dedicated fuses, ignition switch, general purpose fuses, etc. • Circuits classified by system For each system, the circuits are shown from fuse to earth, excluding the power supply sections. • Operation The normal operation of each system is briefly described, following the route of current flow. • Troubleshooting hints This is a brief explanation of the inspection points that serve as hints when troubleshooting. Explanations of the circuits controlled by the electronic control unit are omitted. Refer to the related publications as required. • Junction block Here is the circuit for the entire junction block since only the part of the junction block needed is normally show in each circuit diagram.
Wiring diagram	All the harnesses and connectors are shown together so that the circuit diagrams and wiring harnesses of the entire vehicle can be seen at a glance.

HOW TO READ CONFIGURATION DIAGRAMS

The wiring harness diagrams clearly show the connector locations and harness routings at each site in actual vehicles.

Denotes connector No.

The same connector No. is used throughout the circuit diagrams to facilitate connector location searches.

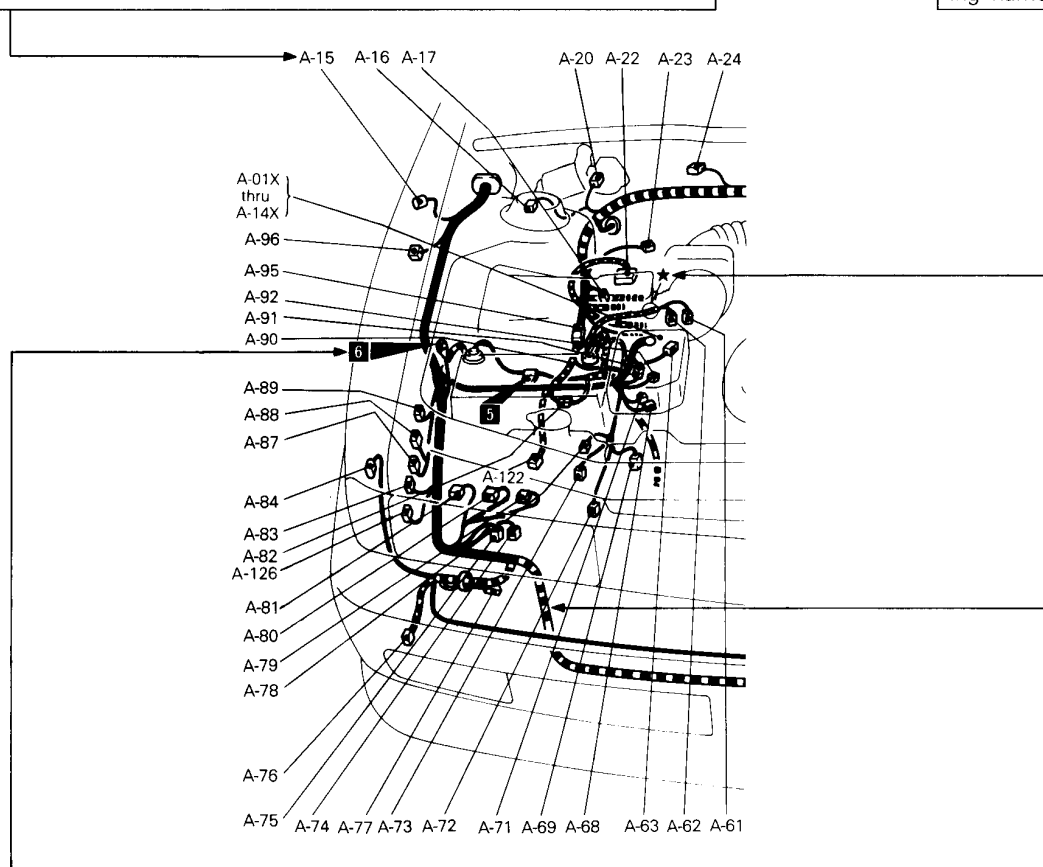
The first alphabetical symbol indicates the location site of the connector and a number that follows is the unique number. Numbers are assigned to parts in clockwise order on the diagram.

When the connectors are centralized in one place, the connector colors are shown for easy identification.

Example: A-12 (black)

- Connector colour
- Number specific to connector (serial number)
- Connector location site symbol
- A: Engine compartment
- B: Engine and transmission
- C: Dash panel
- D: Instrument panel
- E: Interior
- F: Door
- G: Luggage compartment
- H: Trunk lid
- J: Under rear floor

The mark ★ shows the standard mounting position of wiring harness.



Denotes earth point.

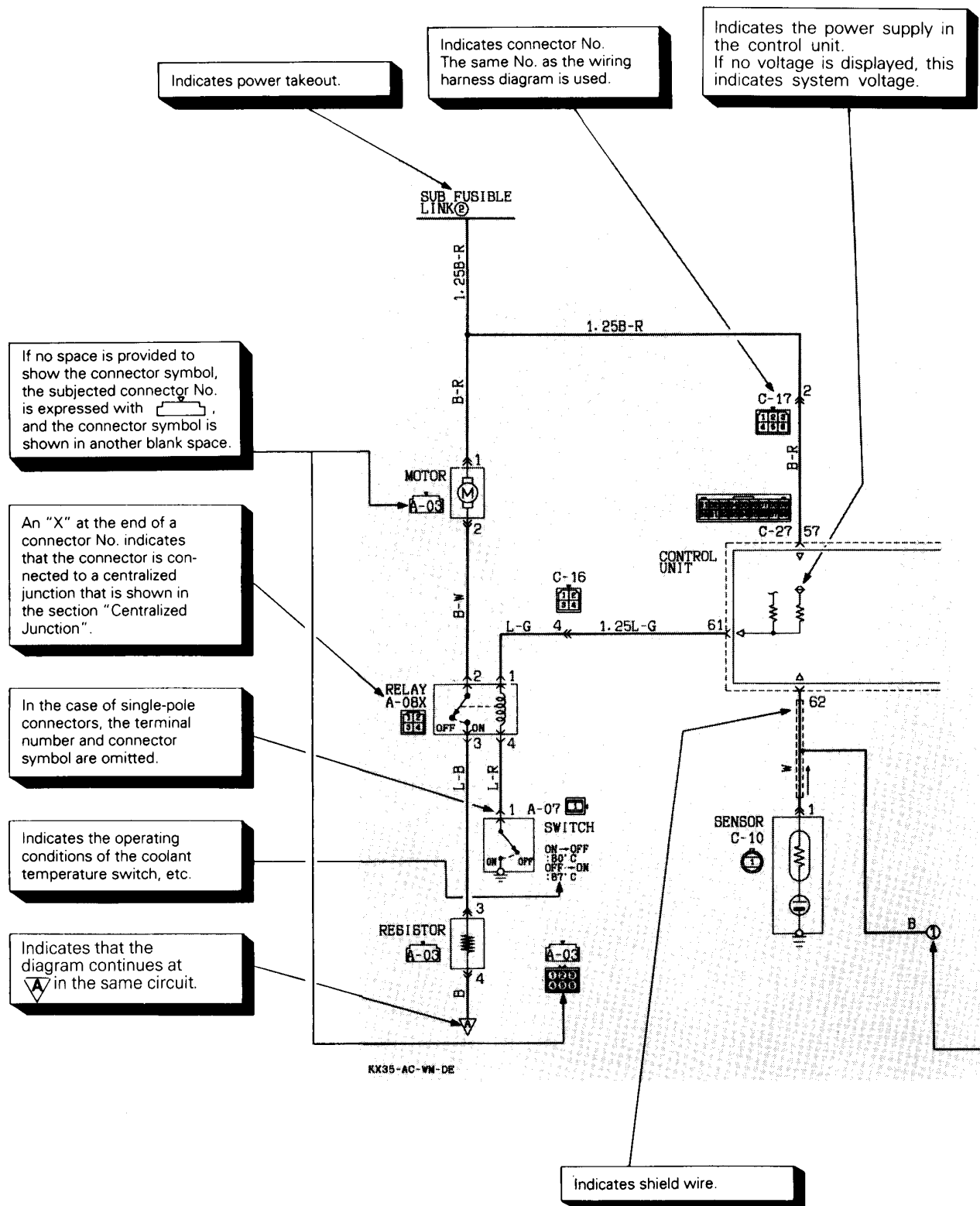
Same earth number is used throughout circuit diagrams to facilitate search of earth point. Refer to GROUP 3 SINGLE PART INSTALLATION POSITION-EARTH MOUNTING LOCATIONS for details of earth points.

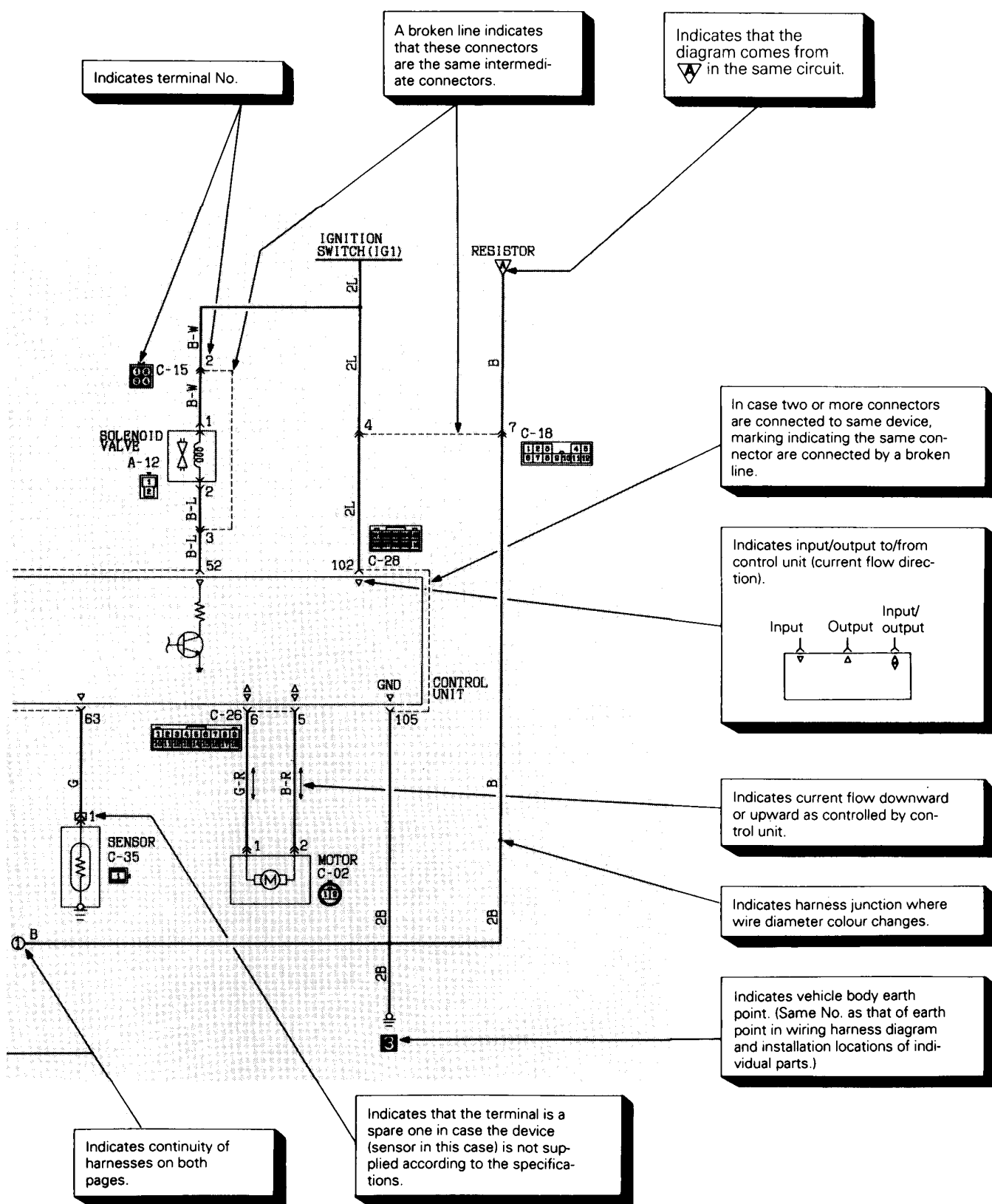
Denotes a section covered by a corrugated tube.

1-4 HOW TO READ THE WIRING DIAGRAMS – How to Read Circuit Diagrams

HOW TO READ CIRCUIT DIAGRAMS

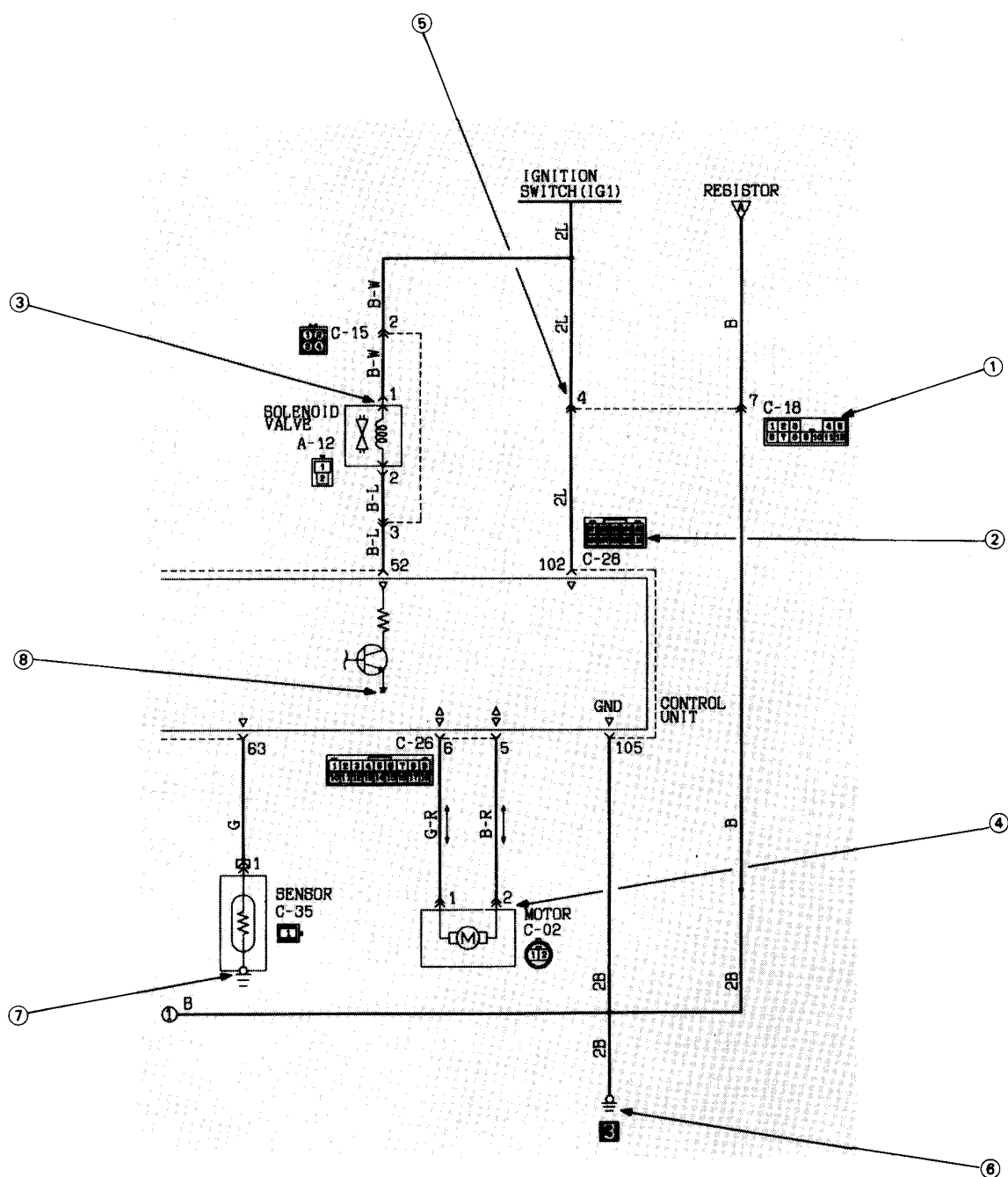
The circuit of each system from fuse (or fusible link) to earth is shown. The power supply is shown at the top and the earth at the bottom to facilitate understanding of the current flow.



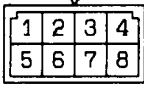
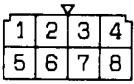
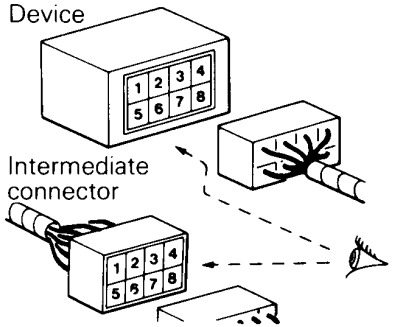
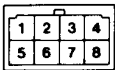
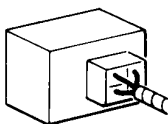
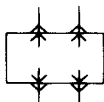
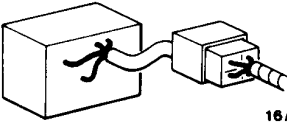
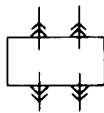
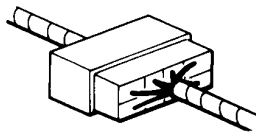
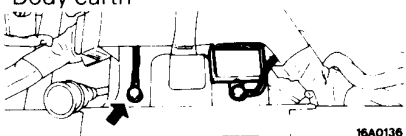
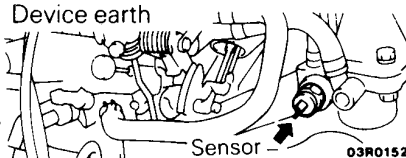
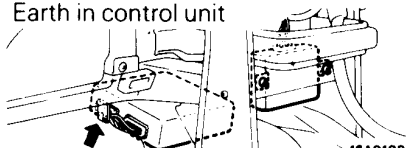


1-6 HOW TO READ THE WIRING DIAGRAMS – Markings for Connector Earthing

MARKINGS FOR CONNECTOR EARTHING



HOW TO READ THE WIRING DIAGRAMS – Markings for Connector Earthing 1-7

	No.	Item	Symbol	Contents
Connector marking	①	Male 		Double connector contour lines indicate male connector terminals and single contour line indicates female terminals as illustrated here.
	—	Female 		
Connector symbol marking	②	Device  Intermediate connector 16A0333		The symbol indicates the connector as viewed from illustrated direction. At the connection with a device, the connector symbol on the device side is shown, and for an intermediate connector, male connector symbol is shown.
Connector connection marking	③	Direct connection type 		A connection between a device and connector on the harness side is either by direct insertion in the device (direct connection type) or by connection with a harness connector on the device side furnished (harness connection type). The two types are indicated as illustrated.
	④	Harness connection type  16A0334		
	⑤	Intermediate connector  16A0339		
Earth markings	⑥	Body earth  16A0136		Earth is either by body earth, device earth or control unit interior earth. These are indicated as illustrated.
	⑦	Device earth  Sensor 03R0152		
	⑧	Earth in control unit  16A0109		

1-8 HOW TO READ THE WIRING DIAGRAMS – Symbolic Marks/Wire Colour Codes

SYMBOLIC MARKS

Devices appearing in circuit diagrams are indicated by the following symbols.

Battery 	Body earth 	Single bulb 	Resistor 	Diode 	Capacitor
Fuse 	Equipment earth 	Dual bulb 	Variable resistor 	Zener diode 	Crossing of wires without connection
Fusible link 	ECU interior earth 	Speaker 	Coil 	Transistor 	Crossing of wires with connection
Connector Female side Male side 	Motor 	Horn 	Pulse generator 	Buzzer 	Chime
Thyristor 	Piezoelectric device 	Thermistor 	Light emitting diode 	Photo diode 	Photo transistor

16A0252

WIRE COLOUR CODES

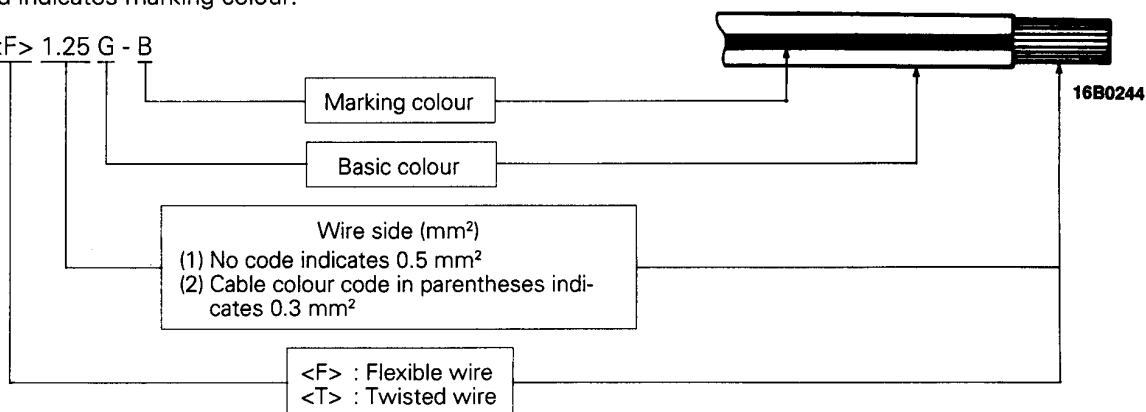
Wire colours are identified by the following colour codes.

Code	Wire colour	Code	Wire colour
B	Black	P	Pink
BR	Brown	R	Red
G	Green	SB	Sky blue
GR	Gray	V	Violet
L	Blue	W	White
LG	Light green	Y	Yellow
O	Orange		

NOTE

If a cable has two colours, the first of the two colour code characters indicates the basic colour (colour of the cable coating) and the second indicates marking colour.

Example: <F> 1.25 G - B



ABBREVIATION SYMBOLS

The abbreviation symbols used in wiring diagrams are defined below.

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
4WS	4 wheel steering system	GND	Earth
ABS	Anti-lock brake system	ILL	Illumination lamp
A/C	Air conditioner	IND	Indicator lamp
ACTIVE-ECS	ACTIVE-electronic control suspension	J/B	Junction block
A/T	Automatic transmission	LHD	L.H. drive vehicles
DOHC	Double overhead camshafts engine	MPI	Multi-point injection
DRL	Daytime running lamp	M/T	Manual transmission
EGR	Exhaust gas recirculation	RHD	R.H. drive vehicles
ELC-4A/T	Electronic control 4-speed automatic transmission	SOHC	Single overhead camshaft engine
EPS	Electronic control power steering	SRS	Supplemental restraint system
ETACS	Electronic time and alarm control system	TCL	Traction control system

Abbreviation symbols used for combination meters

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
4WS	4WS warning lamp	OIL	Oil pressure warning lamp
ABS	Anti-lock brake system warning lamp	OIL LEVEL	Low engine oil warning lamp
BEAM	Upper beam indicator lamp	R/FOG	Rear fog lamp indicator lamp
BRAKE	Brake warning lamp	REED	Reed switch (vehicle speed sensor)
CHECK ENGINE	Check engine warning lamp	SRS	Supplemental restraint system warning lamp
CHG	Charging warning lamp	TACHO	Tachometer
DOOR	Door-ajar warning lamp	T/GA	Engine coolant temperature gauge
F/GA	Fuel gauge	TURN (LH)	Turn signal indicator lamp (L.H.)
FUEL	Low fuel warning lamp	TURN (RH)	Turn signal indicator lamp (R.H.)
HAZARD	Hazard warning indicator lamp	WASHER	Low washer fluid warning lamp

Abbreviation symbols used for switches and relays

Name of switches and relays	Abbreviation symbol	Operation	Name of switches and relays	Abbreviation symbol	Operation
Ignition switch	ACC	When turned to the ACC (ACCESSORY) or ON position, the power circuit starts functioning.	Door lock key cylinder switch	LOCK	Door locked
				UNLOCK	Door unlocked
	IG1	Even when at the ST (START) position, the power circuit start functioning.	LH/RH change-over switch	LH	L.H. mirror operates
	IG2	When at the ST (START) position, the power circuit does not start functioning.		RH	R.H. mirror operates
Dimmer passing switch	LO	Low beams ON	ECS switch	SPORT	Suspension mode is set in the SPORT mode
	HI	High beams ON		HIGH	Vehicle height mode is set in the HIGH mode
	PASS	Passing beams ON			
Lighting switch	TAIL	Position, tail, license plate and instrument panel lamps ON	Sunroof switch	UP	Sunroof tilted up
	HEAD	Headlamps ON		DOWN	Sunroof tilted down
				OPEN	Sunroof sides down
Room lamp switch	DOOR	Room lamp ON when a door is open		CLOSE	Sunroof slides to close
Turn signal switch	LH	L.H. turn signal lamps ON	Heated seat switch	LO	Normal heating
	RH	R.H. turn signal lamps ON		HI	Rapid heating
Power window switch	UP	Window closed	Power seat switch	RECLINING FR	Seat back is stood upright
	DOWN	Window opened		RECLINING RR	Seat back is leaned backward
	LOCK	Window locked		SLIDE FR	Seat is moved forward
	AUTO DOWN	Window is easily opened with one action		SLIDE RR	Seat is moved backward
Door lock actuator	LOCK	Door locked		FRONT HEIGHT UP	Front part of seat cushion is tilted up
	UNLOCK	Door unlocked		FRONT HEIGHT DOWN	Front part of seat cushion is tilted down
Wind-shield wiper switch	LO	Wipers operate at low speed		REAR HEIGHT UP	Rear part of seat cushion is tilted up
	HI	Wipers operate at high speed			
	AUTO	Wipers operate intermittently			
Rear wiper switch	INT	Wiper operate intermittently			REAR HEIGHT DOWN
			Others	ON	Switched on
				OFF	Switched off