
GROUP 0

GENERAL

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NOTES

MODELS

M3000000100500

Model code		Engine model	Transmission model	Fuel supply system
CU2W	XNMMML6	4G63-DOHC (1,997 mL)	F5M42 <2WD-5M/T>	MPI
	XNMML6		W5M42 <4WD-5M/T>	
	XNHML6			
CU5W	XNMYZL6	4G69-SOHC (2,378 mL) MIVEC	W5M42 <4WD-5M/T>	
	XRMYZL6		W4A4B <4WD-4A/T>	
	XRMYZR6			
	XNHYZL6		W5M42 <4WD-5M/T>	
	XRHYZL6			
	XRHYZR6		W4A4B <4WD-4A/T>	

HOW TO READ THE WIRING DIAGRAMS

COMPOSITION AND CONTENTS OF WIRING DIAGRAMS

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1. This manual consists of wiring harness diagrams, installation locations of individual parts, circuits diagrams and index.
2. In each section, 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 each point of relays, electronic control units, sensors, solenoids, solenoid valves, diodes, inspection connectors, spare connectors, fusible links, fuses, etc. In the part's lists, parts are listed in alphabetical order.
Circuit diagrams	<p>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.</p> <ul style="list-style-type: none"> • Junction block The entire circuit for the junction block is described, because only the part of the junction block needed is normally shown in each circuit diagram. • Joint connectors The internal circuits for all joint connectors are described, because only the part needed is shown in each circuit diagram. • Power supply circuits Circuits from the battery to fusible link, fuses, ignition switch, etc. • Circuits classified by system For each system, the circuits are shown from fuse to earth, excluding the power supply sections. • Operation The standard 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.
Index	All components used are listed by connector number and component name.

HOW TO READ CONFIGURATION DIAGRAMS

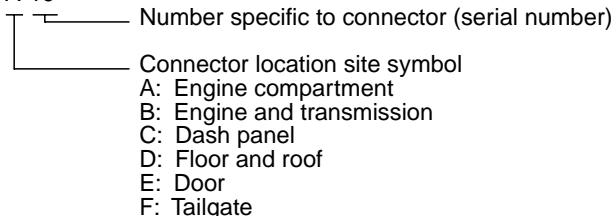
M3000009000102
The wiring harness diagrams clearly show the connector locations and harness routings at each site on actual vehicles.

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 usually assigned to parts in clockwise order on the diagram.

Example: A-19



Denotes earth point.

Same earth number is used throughout circuit diagrams to facilitate search of earth point.

Refer to GROUP 2 SINGLE PART INSTALLATION POSITION - EARTH MOUNTING LOCATIONS for details of earth points.

Denotes harness name.

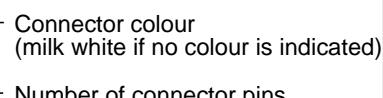
Denotes a section covered by a corrugated tube.

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

Denotes the colour of the corrugated tube (If not specified, it is black.)
R: Red
Y: Yellow

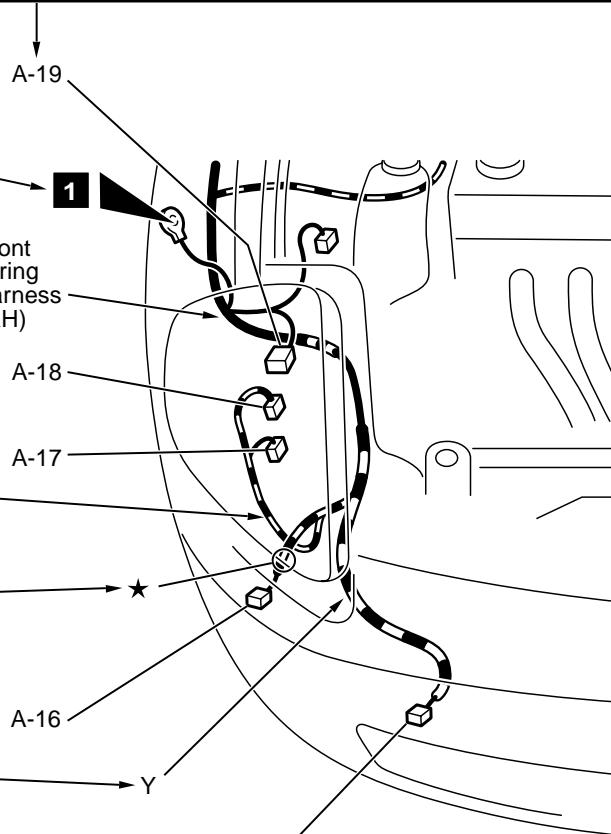
The number of connector pins and the connector colour (except milk white)* are shown for ease of retrieval.

Example: (2-B)



*: Typical connector colours

B: Black	BR: Brown
Y: Yellow	V: Violet
L: Blue	O: Orange
G: Green	GR: Gray
R: Red	None: Milk white



Indicates the device to which the connector is connected.

HOW TO READ CIRCUIT DIAGRAMS

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The circuit of each system from the 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 how the current flows.

Indicates power source.

Indicates that terminal is connected via a plate in the relay box.

Each circuit diagram consists of block(s). The blocks are divided by page number.

Indicates harness junction point numbers for another system. The number corresponds to the junction point number indicated on another circuit diagram.

Indicates the circuit name to be connected. The arrow indicates the current flow direction.

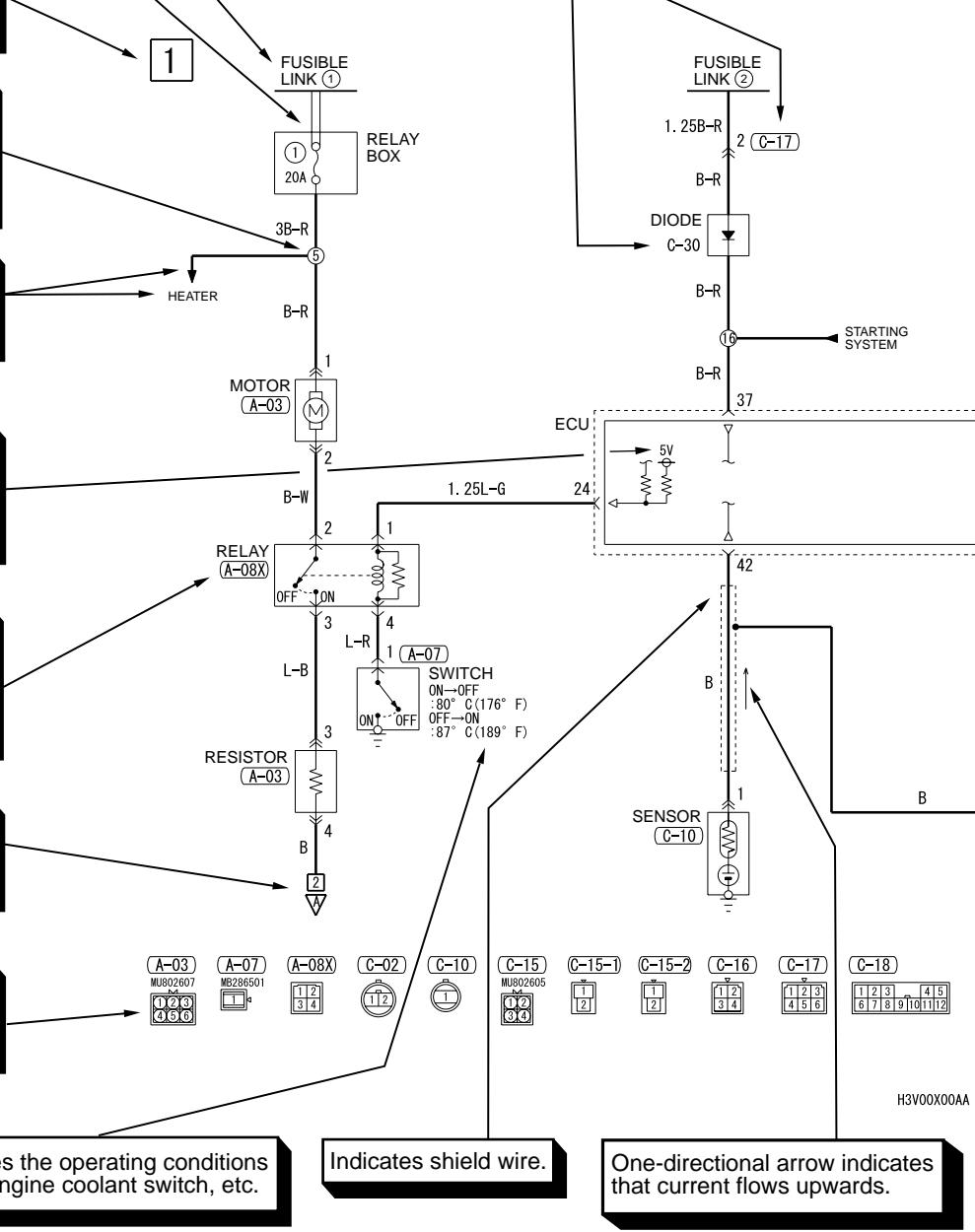
Indicates the power supply in the control unit. If no voltage is displayed, this indicates battery positive voltage.

An "X" at the end of a connector number indicates that the connector is connected to a centralized junction that is shown in the section "Centralized Junction."

Indicates that the diagram continues at  which belongs to the **[2]** block in the same circuit.

Indicates the connector symbol. Connectors in the circuit diagram are indicated in numerical order.

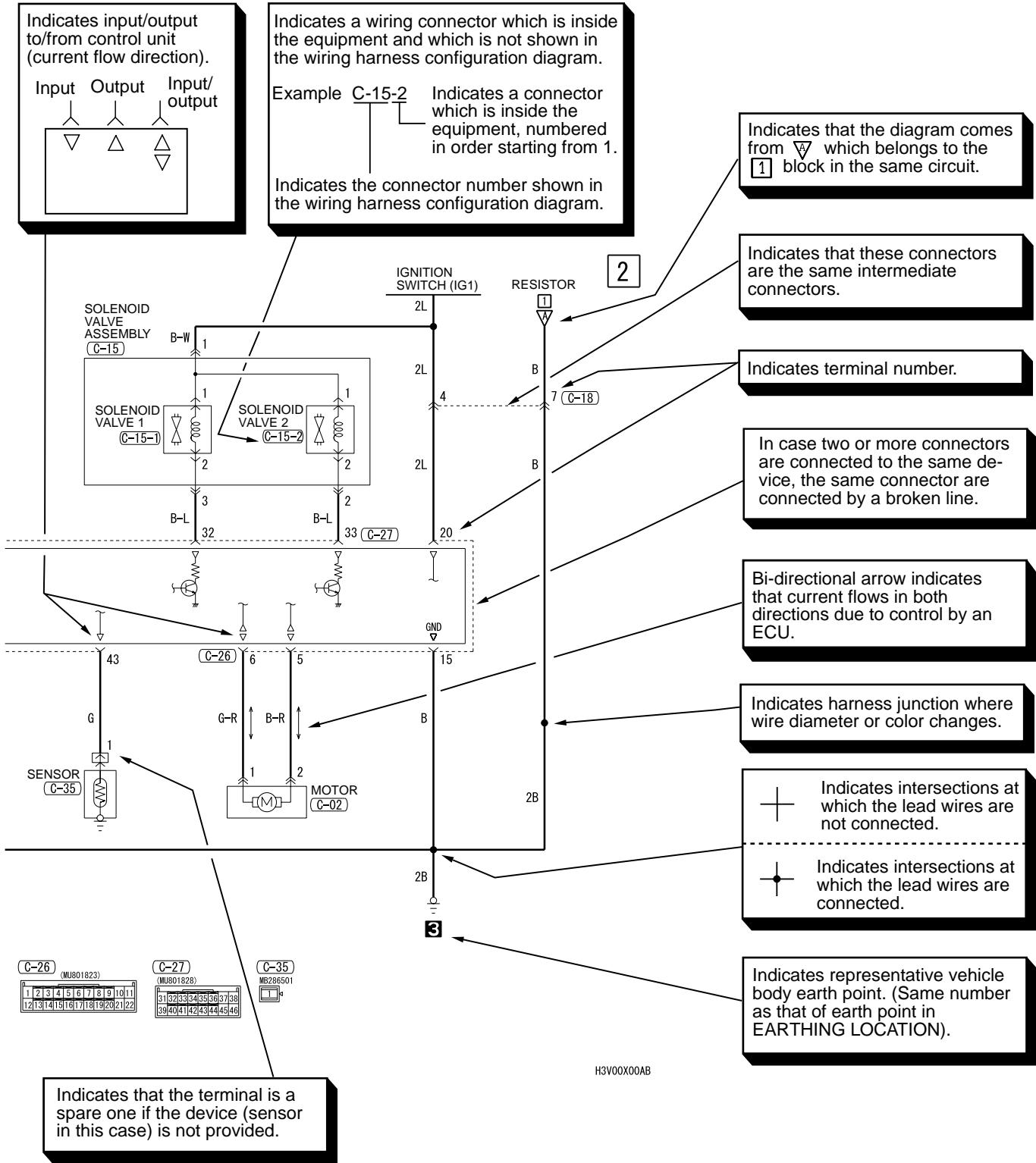
Indicates connector number. The same number as used in the wiring harness diagram. Connector and connector numbers are shown at the lower part of the page. Connector numbers not enclosed by frame indicate the device incorporated into wiring harness.



Indicates the operating conditions of the engine coolant switch, etc.

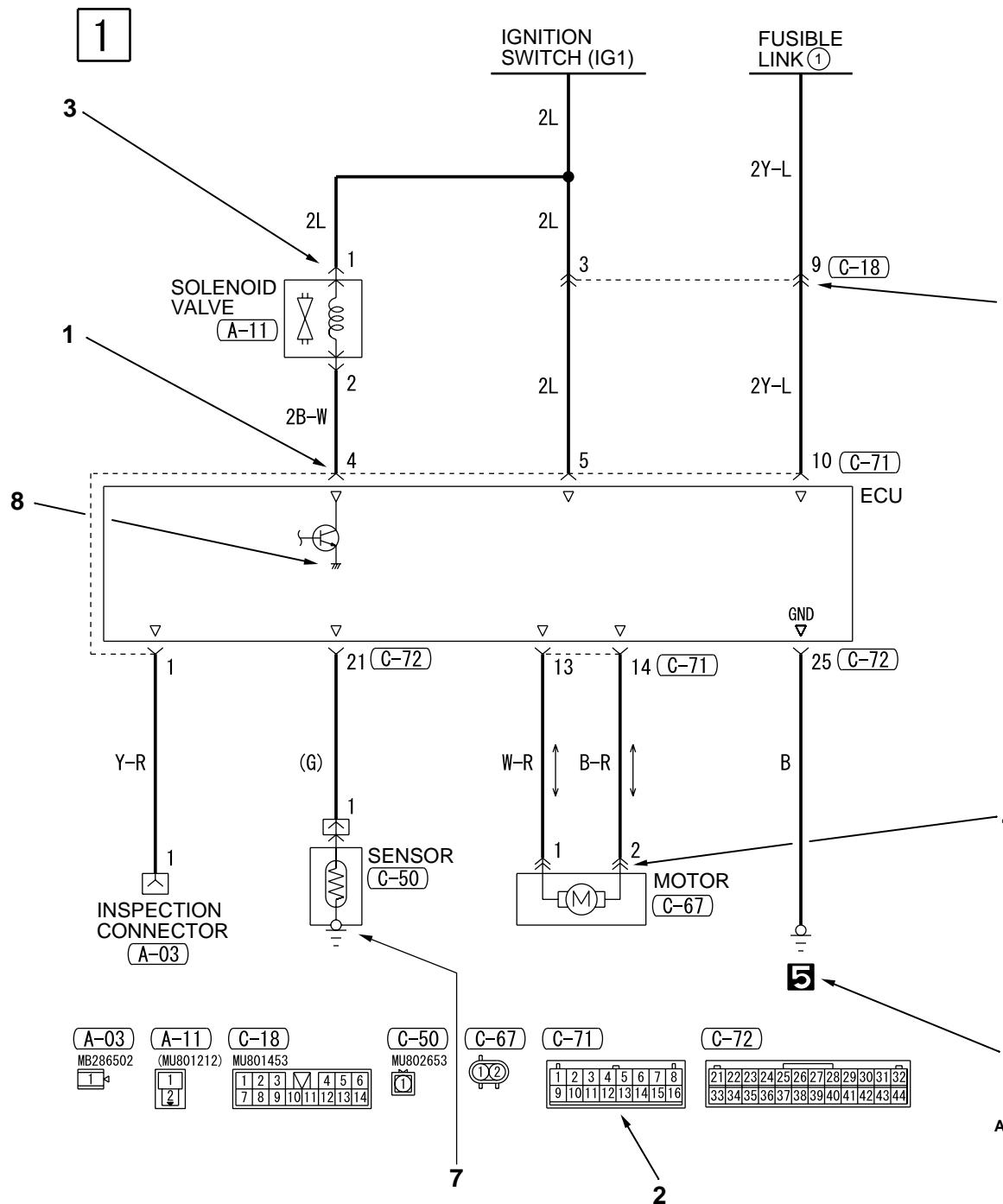
Indicates shield wire.

One-directional arrow indicates that current flows upwards.

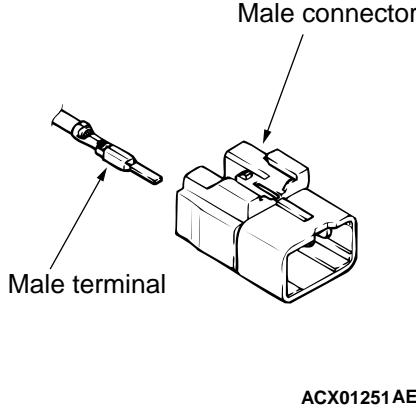
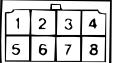
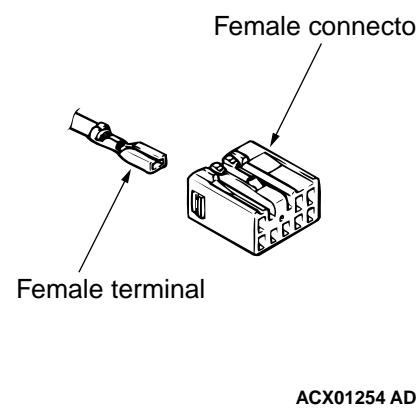
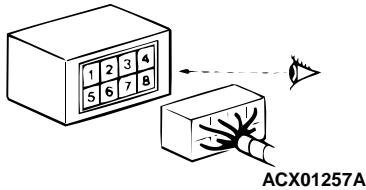
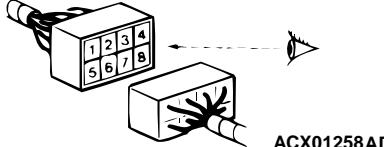
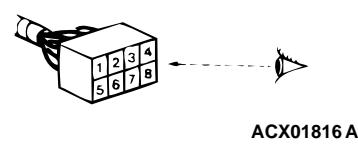


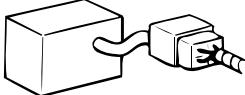
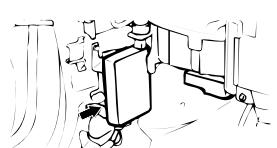
MARKING FOR CONNECTOR AND
EARTHING

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AC208460 AB

Item	No.	Connector/Earthing	Symbol	Contents
Connector and terminal marking	1		 ACX01252AD  ACX01253 AI	<p>The male and female terminals are indicated as shown. The connector with male terminal(s) is called as male connector and indicated by two connector contour lines, while the connector with female terminal(s) is called as female connector and indicated by single connector contour line.</p>
			 ACX01255 AD  ACX01256 AH	
Connector symbol marking	2	Device 	 ACX01253	<p>The symbol indicates the connector is viewed as shown. At a device connection, the connector symbol on the device side is shown. For an intermediate connector, the male connector symbol is shown. For spare connectors and check connectors, no device is connected, and so the harness-side connector symbol is shown for these connectors. For the diagnosis connector, its contents differ from the previous description. Refer to "MUT-II operation instruction" in detail.</p>
		Intermediate connector 		
		Spare connector, check connector 	 ACX01256	

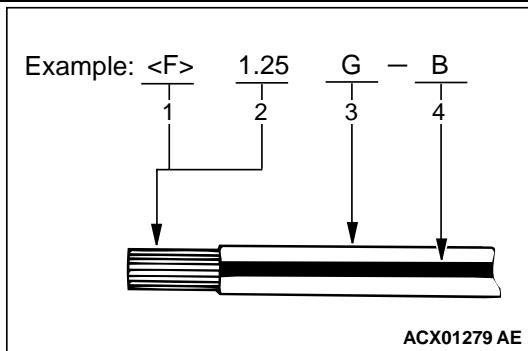
Item	No.	Connector/Earthing	Symbol	Contents
Connector connection marking	3	Direct connection type  ACX01260AD	 ACX01261	Connection between a device and the harness is either by direct insertion in the device (direct connection type) or by connection with a harness connector furnished on the device side furnished (harness connection type). The two types are indicated as illustrated.
	4	Harness connection type  ACX01262AD	 ACX01263	
	5	Intermediate connector  ACX01264AD	 ACX01265	
Earth markings	6	Body earth  AC208448AB	 ACX01274	Earthing is either by body earth, device earth or control unit interior earth. These are indicated as illustrated.
	7	Device earth  AC208449AB	 ACX01276	
	8	Earth in control unit  AC208450AB	 ACX01278	

WIRE COLOUR CODES

M3000011000068

Wire colours are identified by the following colour codes.

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



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 the marking colour.

No.	Meaning
1	<F>: Flexible wire
	<T>: Twisted wire
2	Wire size (mm^2)*
3	Basic colour (colour of the cable coating)
4	Marking colour

NOTE:

*: No code indicates 0.5 mm^2 (0.0008 in^2). Cable colour code in parentheses indicates 0.3 mm^2 (0.0005 in^2).

ABBREVIATION SYMBOLS

M3000012000306

The abbreviation symbols used in wiring diagrams are defined below.

1. Abbreviation symbols used for system name

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
ABS	Anti-skid braking system	J/C	Joint connector
AC	Alternating current	M/T	Manual transmission
A/T	Automatic transmission	MPI	Multi-point injection
DOHC	Double overhead camshaft engine	SRS	Supplemental restraint system
J/B	Junction block		

2. Abbreviation symbols used for combination meters

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
ABS	Anti-skid braking system warning lamp	ODO	Odometer
BEAM	High beam indicator lamp	OIL	Oil pressure warning lamp
BRAKE	Brake warning lamp	REAR FOG	Rear fog lamp indicator lamp
CHECK ENGINE	Check engine warning lamp	SPEED	Speedmeter
CHG	Charging warning lamp	SRS	Supplemental restraint system warning lamp
DOOR	Door-ajar warning lamp	T/GA	Engine coolant temperature gauge
F/GA	Fuel gauge	TACHO	Tachometer
FRONT FOG	Front fog lamp indicator lamp	TRIP	Tripmeter
FUEL	Low fuel warning lamp	TURN (LH)	Turn signal indicator lamp, hazard warning indicator lamp
LCD	Liquid crystal display	TURN (RH)	

3. Abbreviation symbols used for switches and relays

Name of switches and relays	Abbreviation symbols	Operation
Blower switch	LO	Blower operates at low speed
	ML	Blower operates at medium low speed
	MH	Blower operates at medium high speed
	HI	Blower operates at high speed
Dimmer passing switch	LO	Low beams ON
	HI	High beams ON
	PASS	High beams ON
Door lock actuator	LOCK	Door lock
	UNLOCK	Door unlock
Front room lamp, rear room lamp	DOOR	Room lamp ON when a door is open
Heated seat switch	LO	Normal heating
	HI	Rapid heating
Ignition switch	LOCK	When turned to the LOCK position, no circuits will start
	ACC	When turned to the ACC (ACCESSORY) or ON position, the power circuit will start
	IG2	When at the ST (START) position, the power circuit will not start functioning
	IG1	Even when at the ST (START) position, the power circuit will start
	ST	Only when turned to the ST (START) position, the power circuit will start

Name of switches and relays	Abbreviation symbols	Operation
Lighting switch	TAIL	Position, tail, licence plate and illumination lamps ON
	HEAD	Headlamps ON
Power window switch	UP	Windows close
	DOWN	Windows open
	AUTO UP	Window is easily closed with one action
	AUTO DOWN	Window is easily opened with one action
	LOCK	Prevents all switches other than the main switch from operating the power windows
	UNLOCK	Every switch can open or close the respective window
Remote controlled mirror switch	LH	L.H. mirror operates
	RH	R.H. mirror operates
Sunroof switch	OPEN	Sunroof slides to open
	UP	Sunroof tilts up
	CLOSE/DOWN	Sunroof tilts down or slides to close
Switch and relay	OFF	Switched OFF
	ON	Switched ON
Turn signal switch	LH	L.H. turn signal lamps ON
	RH	R.H. turn signal lamps ON
Variable intermittent wiper control switch	SLOW	Pause time for intermittent operation lengthen
	FAST	Pause time for intermittent operation shorten
Windshield wiper switch or rear wiper switch	MIST	Wiper operates once
	INT	Wiper operates intermittently
	LO	Wiper operates at low speed
	HI	Wiper operates at high speed

4. Other abbreviation symbols

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
2WD	Front wheel-drive vehicles	GND	Earth
4WD	4 wheel-drive vehicles	HI	High
A/C	Air conditioner	IC	Integrated circuit
CPU	Central processing unit	ILL	Illumination lamp
ECU	Electronic control unit	LH	Left hand
EGR	Exhaust gas recirculation	LO	Low
ETACS	Electronic time and alarm control system	RH	Right hand

NOTES