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# WIRING HARNESS CONFIGURATION DIAGRAMS

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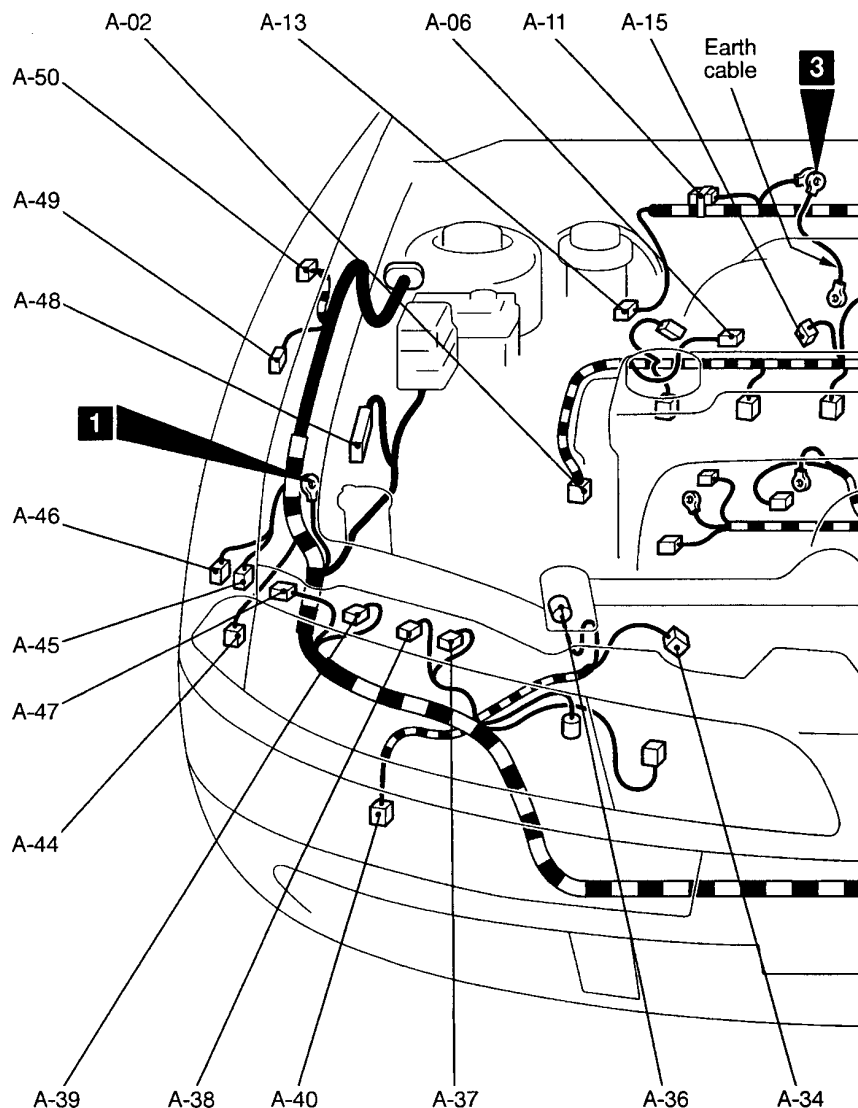
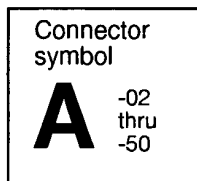
### ENGINE COMPARTMENT

4G1 <R.H. drive vehicles> .....	2	GDI <R.H. drive vehicles> .....	10
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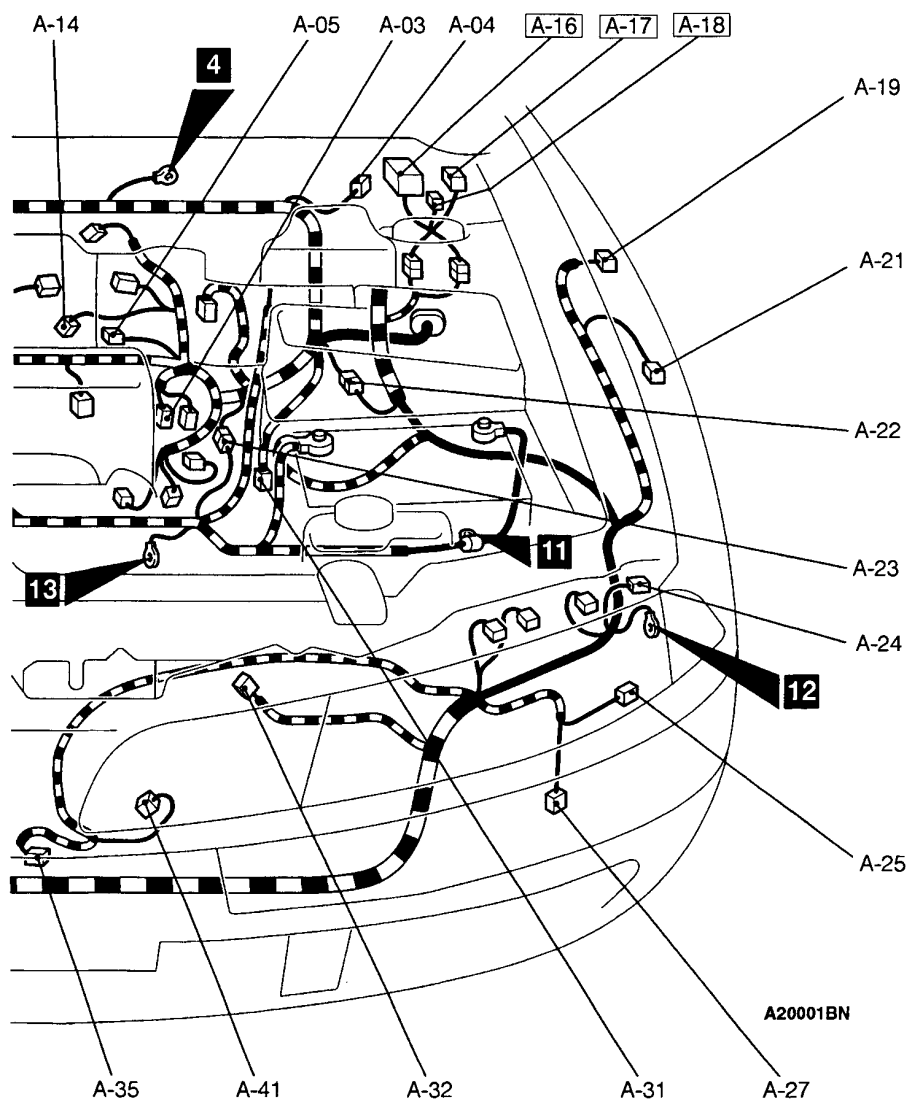
## ENGINE COMPARTMENT

4G1 &lt;R.H. drive vehicles&gt;



A-02 (3-B)	Crank angle sensor
A-03 (3-B)	Camshaft position sensor
A-04 (5-B)	Windshield wiper motor
A-05 (3-GR)	Ignition coil B
A-06 (3-GR)	Ignition coil A
A-11 (1-L)	Engine speed detection connector
A-13 (2-B)	Brake fluid level sensor
A-14 (2-B)	Purge control solenoid valve
A-15 (2-BR)	EGR control solenoid valve
<u>A-16</u> (12)	DRL-ECU

<u>A-17</u> (4)	DRL relay 1
<u>A-18</u> (4)	DRL relay 2
A-19 (2-B)	Side turn signal lamp (LH)
A-21 (2-B)	Front speed sensor (LH) <ABS>
A-22 (10-B)	Front wiring harness and control wiring harness combination
A-23 (4-B)	Control wiring harness and battery cable assembly combination
A-24 (2-B)	Front turn signal lamp (LH)
A-25 (2-B)	Horn (LO)



A-27 (2-GR) Front fog lamp (LH)  
 A-31 (2-G) Back-up lamp switch <M/T>  
 A-32 (2-B) Radiator fan motor  
 A-34 (4-GR) Condenser fan motor  
 A-35 (2-BR) Outside thermo sensor  
 A-36 (1) Power steering fluid pressure switch  
 A-37 (2-B) Position lamp (RH)  
 A-38 (3-B) Headlamp (RH)  
 A-39 (3-B) Headlamp leveling unit (RH)  
 A-40 (2-GR) Front fog lamp (RH)  
 A-41 (2-B) Horn (H)

A-44 (2) Headlamp washer motor  
 A-45 (2) Rear washer motor  
 A-46 (2) Windshield washer motor  
 A-47 (2-B) Front turn signal lamp (RH)  
 A-48 (31-B) ABS-ECU  
 A-49 (2-B) Front speed sensor (RH) <ABS>  
 A-50 (2-B) Side turn signal lamp (RH)

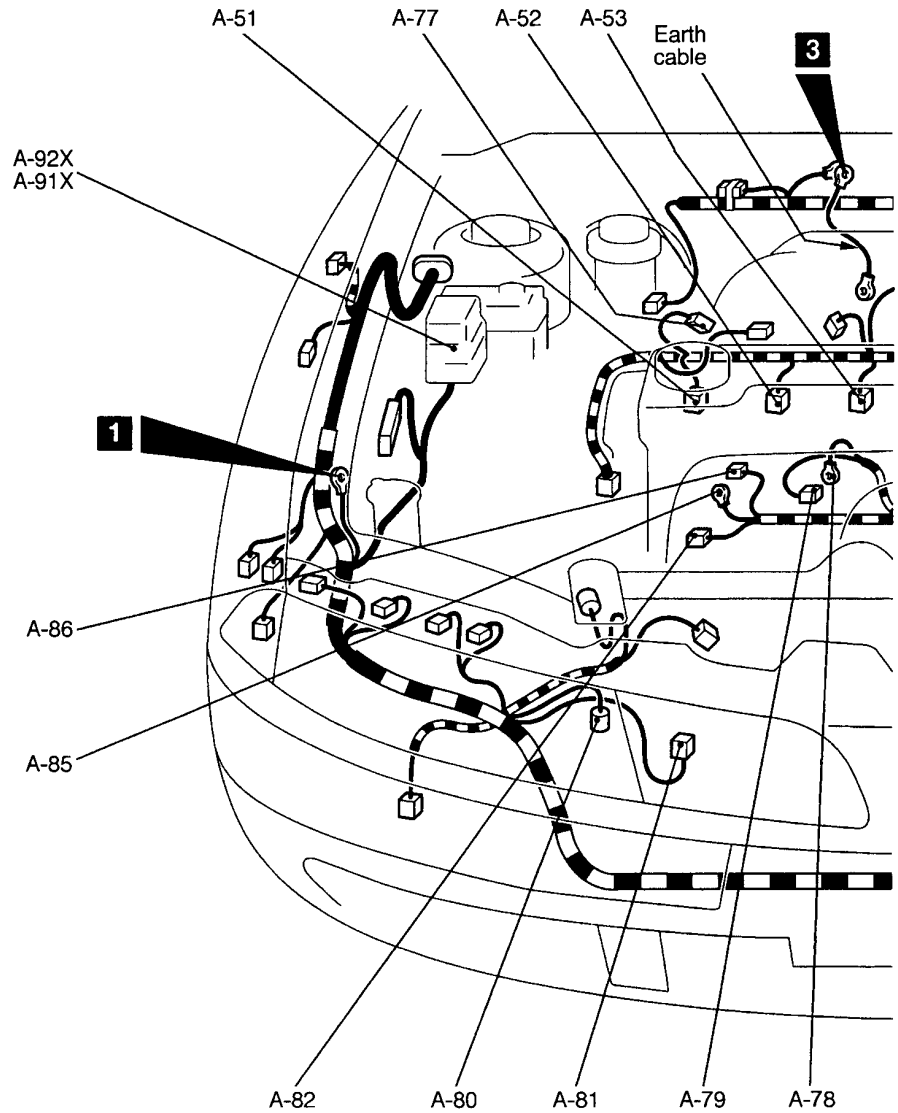
#### NOTE

Connector numbers in    are connector numbers which have been added.

## 4G1 &lt;R.H. drive vehicles&gt;

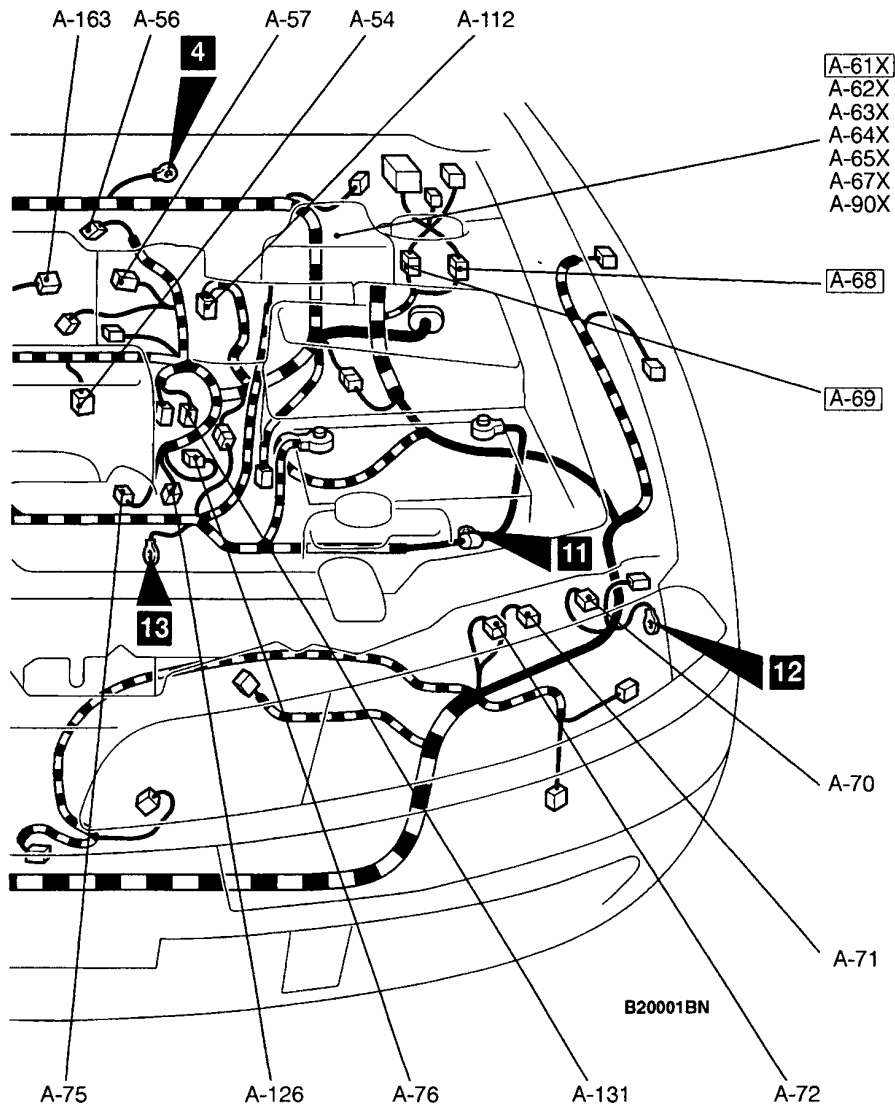
Connector  
symbol

**A** -51  
thru  
-163



A-51 (2-GR) Injector No. 1  
 A-52 (2-GR) Injector No. 2  
 A-53 (2-GR) Injector No. 3  
 A-54 (2-GR) Injector No. 4  
 A-56 (4-B) Throttle position sensor  
 A-57 (6-B) Idle speed control servo  
 A-61X (5) Tail lamp relay <DRL>  
 A-62X (4) Alternator relay  
 A-63X (5) Radiator fan relay  
 A-64X (5) Headlamp relay

A-65X (5) Headlamp washer relay  
 A-67X (5) Horn relay  
 A-68 (10-B) Front wiring harness and DRL wiring harness combination  
 A-69 (10-B) Front wiring harness and DRL wiring harness combination  
 A-70 (3-B) Headlamp leveling unit (LH)  
 A-71 (3-B) Headlamp (LH)  
 A-72 (2-B) Position lamp (LH)



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

A-75 (1-B) Engine coolant temperature gauge unit  
 A-76 (2-B) Engine coolant temperature sensor  
 A-77 (2-GR) Detonation sensor  
 A-78 (1) Starter  
 A-79 (1) Starter  
 A-80 (2-BR) Dual pressure switch  
 A-81 (1-B) A/C refrigerant temperature switch and magnetic clutch  
 A-82 (1-B) Oil pressure switch  
 A-85 (1) Alternator  
 A-86 (2-B) Alternator

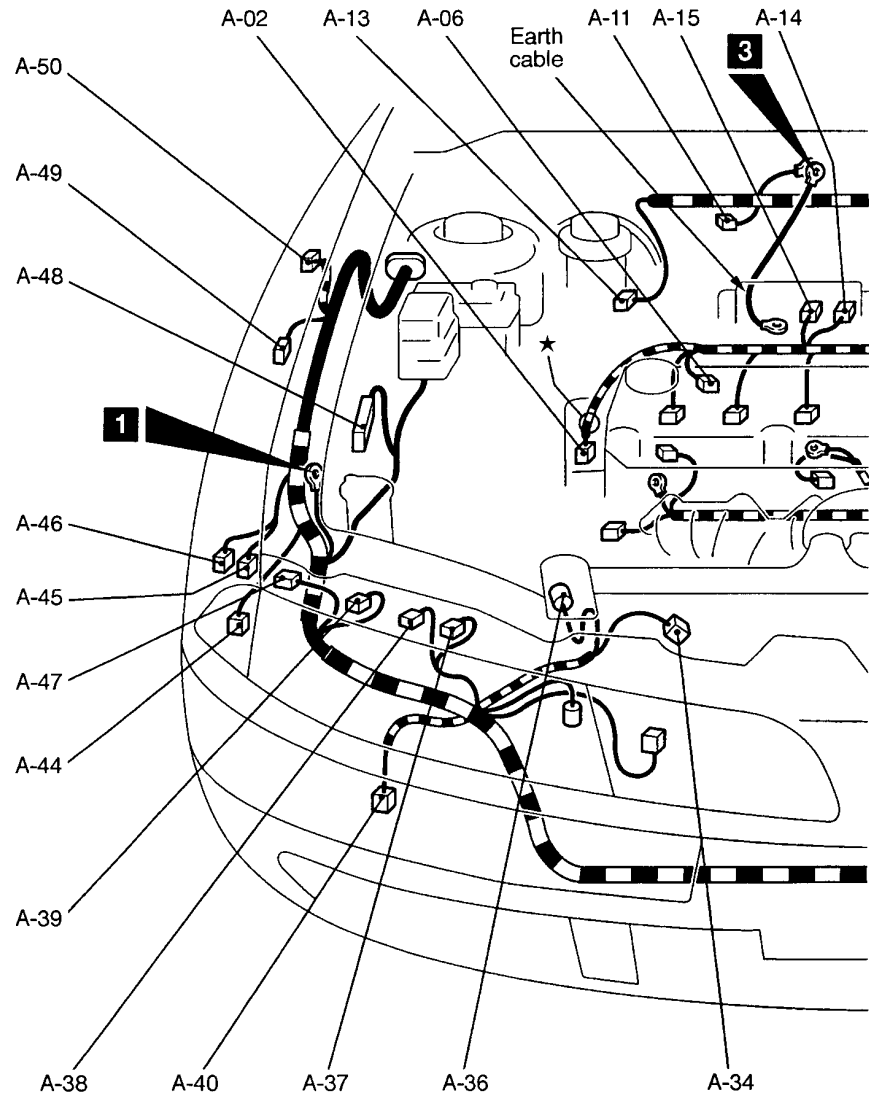
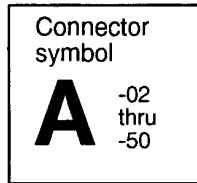
A-90X (5) Condenser fan relay (LO)  
 A-91X (5) Condenser fan relay (HI)  
 A-92X (5) A/C compressor relay  
 A-112 (3-B) Vehicle speed sensor  
 A-126 (4-B) Oxygen sensor (Front)  
 A-131 (4-B) Ignition failure sensor  
 A-163 (4-GR) Vacuum sensor

**NOTE**

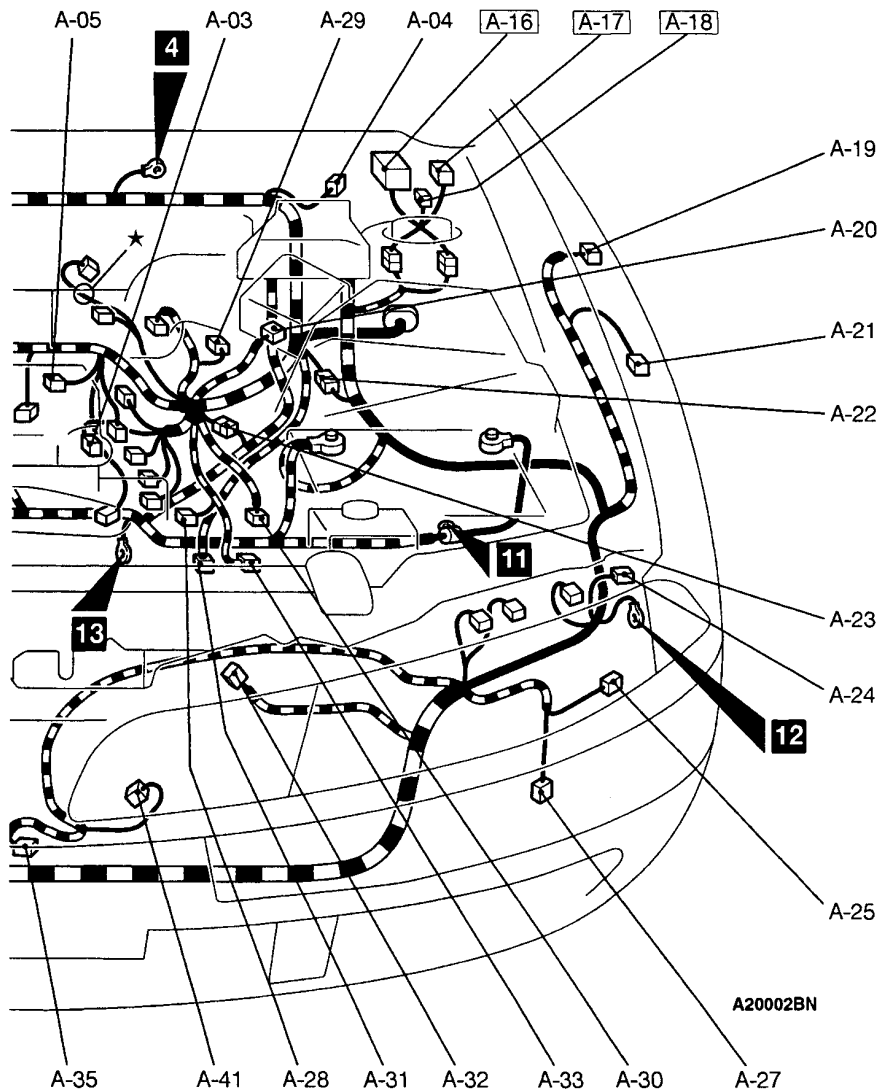
Connector numbers in    are connector numbers which have been added.

## ENGINE COMPARTMENT

MPI-4G9 &lt;R.H. drive vehicles&gt;



A-02 (3-GR)	Crank angle sensor	A-19 (2-B)	Side turn signal lamp (LH)
A-03 (3-B)	Camshaft position sensor	A-20 (7-B)	Air flow sensor
A-04 (5-B)	Windshield wiper motor	A-21 (2-B)	Front speed sensor (LH) <ABS>
A-05 (3-GR)	Ignition coil B	A-22 (10-B)	Front wiring harness and control wiring harness combination
A-06 (3-GR)	Ignition coil A	A-23 (4-B)	Control wiring harness and battery cable assembly combination
A-11 (1-L)	Engine speed detection connector	A-24 (2-B)	Front turn signal lamp (LH)
A-13 (2-B)	Brake fluid level sensor	A-25 (2-B)	Horn (LO)
A-14 (2-B)	Purge control solenoid valve	A-27 (2-GR)	Front fog lamp (LH)
A-15 (2-BR)	EGR solenoid valve	A-28 (3-B)	Input shaft speed sensor <A/T>
<u>A-16</u> (12)	DRL-ECU	A-29 (3-GR)	Output shaft speed sensor <A/T>
<u>A-17</u> (4)	DRL relay 1		
<u>A-18</u> (4)	DRL relay 2		



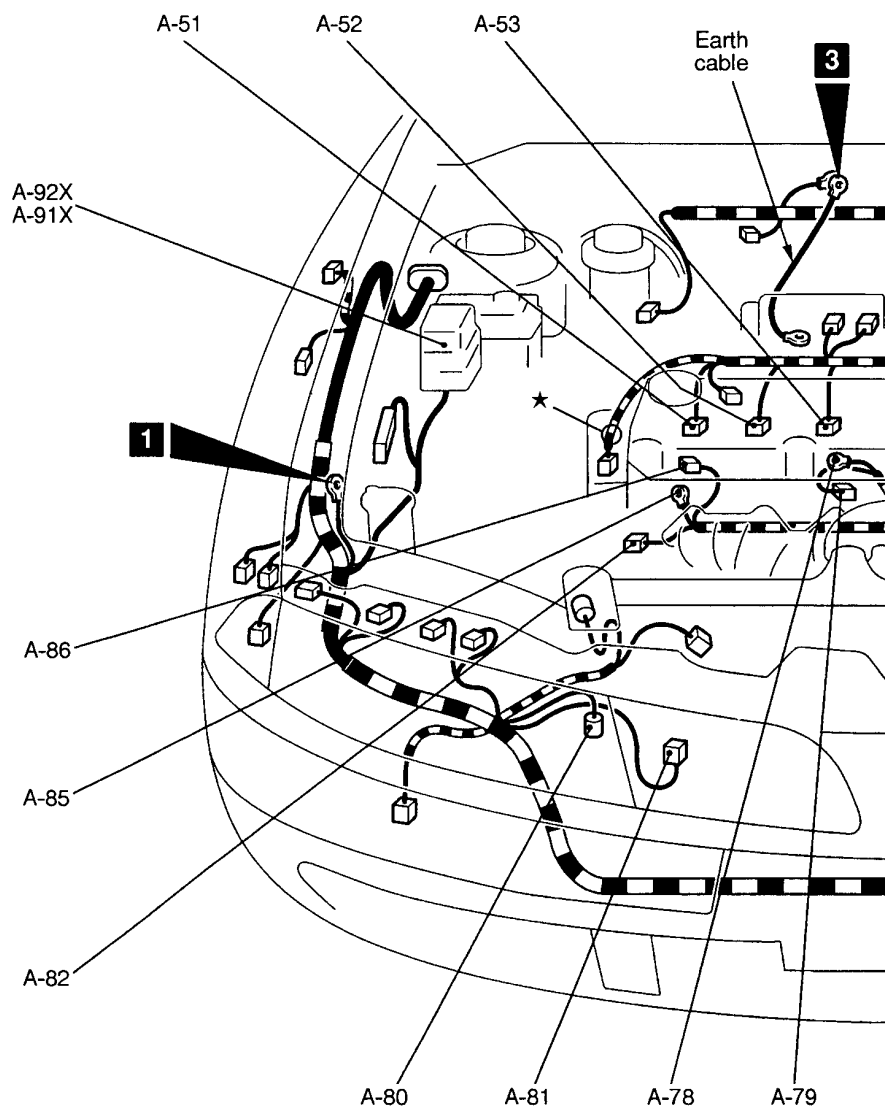
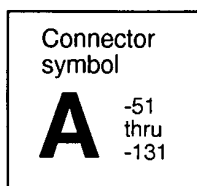
A-30 (10-GR) ELC-4A/T control solenoid valve  
 A-31 (2-G) Back-up lamp switch <M/T>  
 A-32 (2-B) Radiator fan motor  
 A-33 (10-B) Inhibitor switch <A/T>  
 A-34 (4-GR) Condenser fan motor  
 A-35 (2-BR) Outside thermo sensor  
 A-36 (1) Power steering fluid pressure switch  
 A-37 (2-B) Position lamp (RH)  
 A-38 (3-B) Headlamp (RH)  
 A-39 (3-B) Headlamp leveling unit (RH)  
 A-40 (2-GR) Front fog lamp (RH)  
 A-41 (2-B) Horn (H)

A-44 (2) Headlamp washer motor  
 A-45 (2) Rear washer motor  
 A-46 (2) Windshield washer motor  
 A-47 (2-B) Front turn signal lamp (RH)  
 A-48 (31-B) ABS-ECU  
 A-49 (2-B) Front speed sensor (RH) <ABS>  
 A-50 (2-B) Side turn signal lamp (RH)

NOTE

Connector numbers in    are connector numbers which have been added.

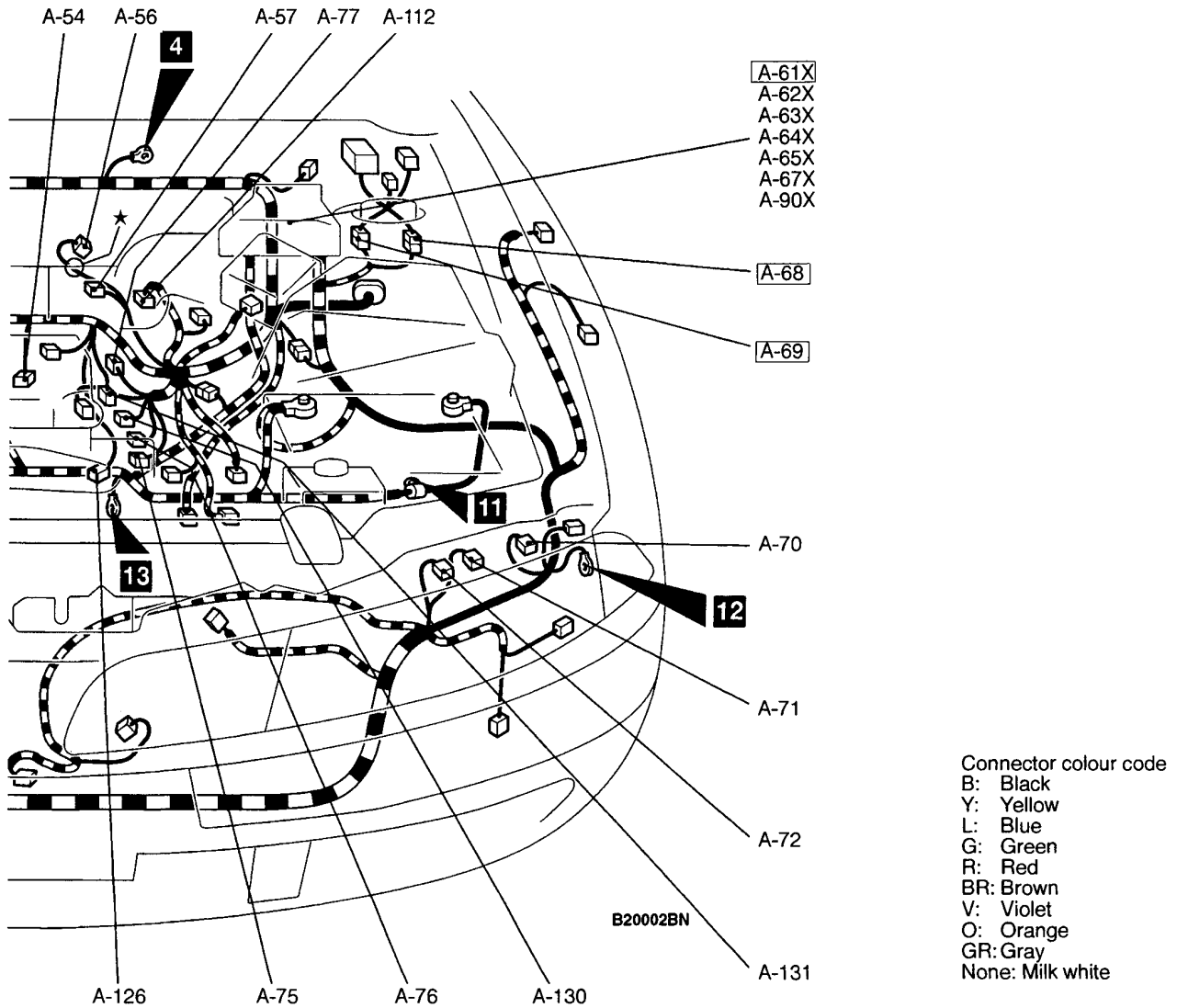
## MPI-4G9 &lt;R.H. drive vehicles&gt;



A-51 (2-GR) Injector No. 1  
 A-52 (2-GR) Injector No. 2  
 A-53 (2-GR) Injector No. 3  
 A-54 (2-GR) Injector No. 4  
 A-56 (4-B) Throttle position sensor  
 A-57 (6-B) Idle speed control servo  
 A-61X (5) Tail lamp relay <DRL>  
 A-62X (4) Alternator relay  
 A-63X (5) Radiator fan relay  
 A-64X (5) Headlamp relay

A-65X (5) Headlamp washer relay  
 A-67X (5) Horn relay  
 A-68 (10-B) Front wiring harness and DRL wiring harness combination  
 A-69 (10-B) Front wiring harness and DRL wiring harness combination  
 A-70 (3-B) Headlamp leveling unit (LH)  
 A-71 (3-B) Headlamp (LH)  
 A-72 (2-B) Position lamp (LH)  
 A-75 (1-B) Engine coolant temperature gauge unit



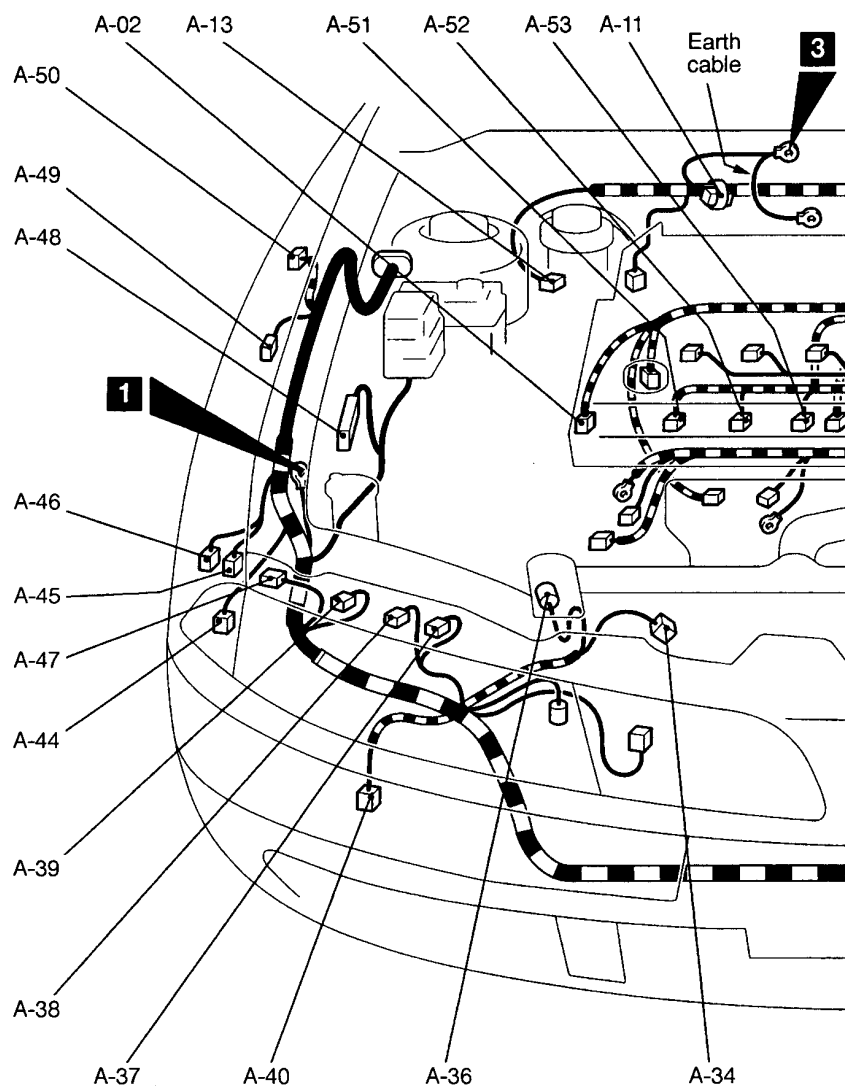
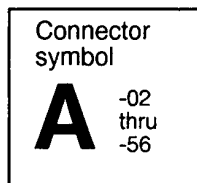


A-76 (2-B) Engine coolant temperature sensor  
 A-77 (2-GR) Detonation sensor  
 A-78 (1) Starter  
 A-79 (1) Starter  
 A-80 (2-BR) Dual pressure switch  
 A-81 (1-B) A/C refrigerant temperature switch and magnetic clutch  
 A-82 (1-B) Oil pressure switch  
 A-85 (1) Alternator  
 A-86 (2) Alternator  
 A-90X (5) Condenser fan relay (LO)

A-91X (5) Condenser fan relay (HI)  
 A-92X (5) A/C compressor relay  
 A-112 (3-B) Vehicle speed sensor <M/T>  
 A-126 (4-B) Oxygen sensor (Front)  
 A-130 (1-B) Capacitor  
 A-131 (4-B) Ignition failure sensor

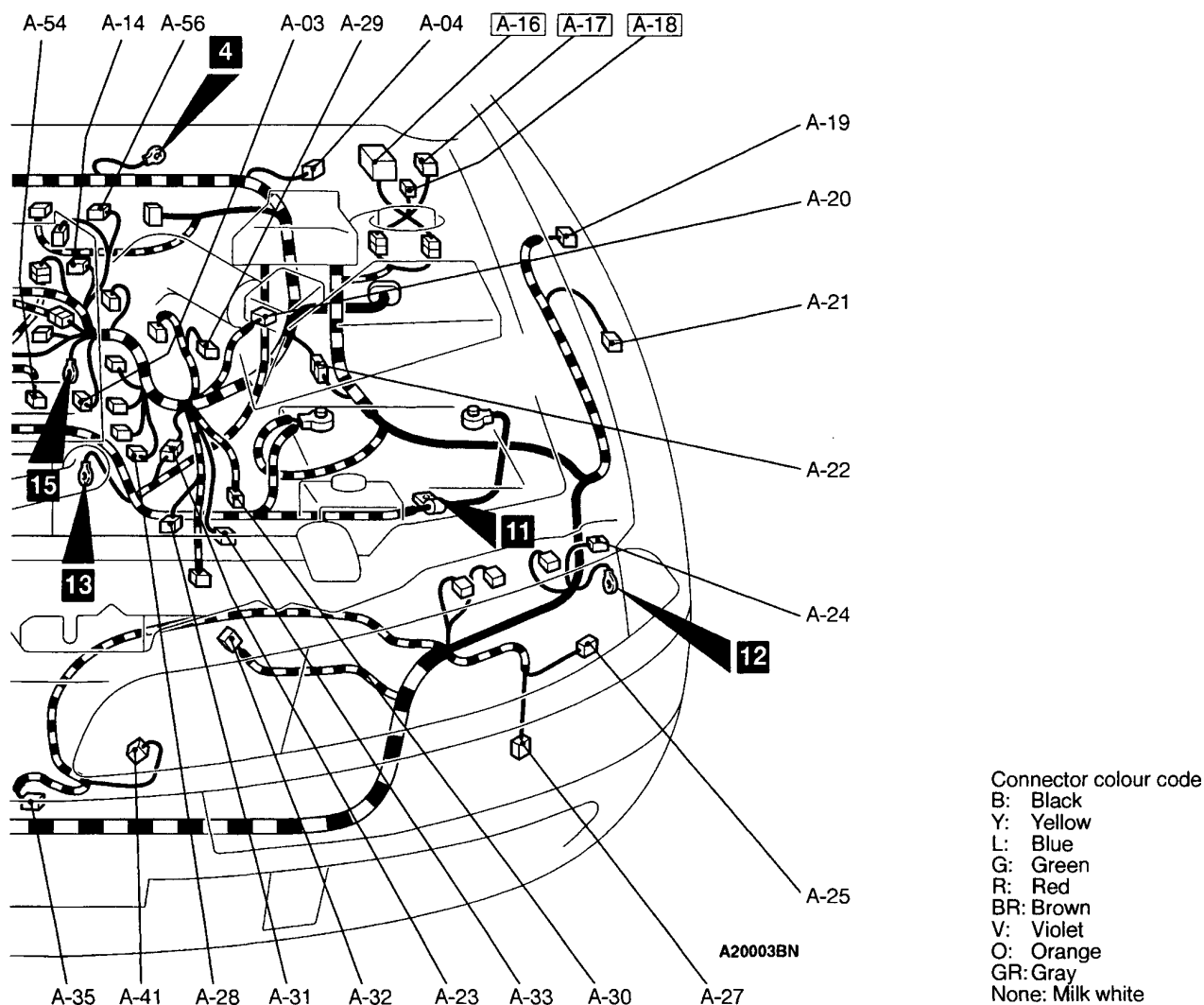
## ENGINE COMPARTMENT

GDI &lt;R.H. drive vehicles&gt;



A-02 (3-GR) Crank angle sensor  
 A-03 (3-B) Camshaft position sensor  
 A-04 (5-B) Windshield wiper motor  
 A-11 (1-L) Engine speed detection connector  
 A-13 (2-B) Brake fluid level sensor  
 A-14 (2-B) Purge control solenoid valve  
A-16 (12) DRL-ECU  
A-17 (4) DRL relay 1  
A-18 (4) DRL relay 2  
 A-19 (2-B) Side turn signal lamp (LH)  
 A-20 (7-B) Air flow sensor  
 A-21 (2-B) Front speed sensor (LH) <ABS>

A-22 (10-B) Front wiring harness and control wiring harness combination  
 A-23 (6-B) Control wiring harness and battery cable assembly combination  
 A-24 (2-B) Front turn signal lamp (LH)  
 A-25 (2-B) Horn (LO)  
 A-27 (2-GR) Front fog lamp (LH)  
 A-28 (3-B) Input shaft speed sensor <A/T>  
 A-29 (3-GR) Output shaft speed sensor <A/T>  
 A-30 (10-GR) ELC-4A/T control solenoid valve  
 A-31 (2-B) Back-up lamp switch <M/T>  
 A-32 (2-B) Radiator fan motor



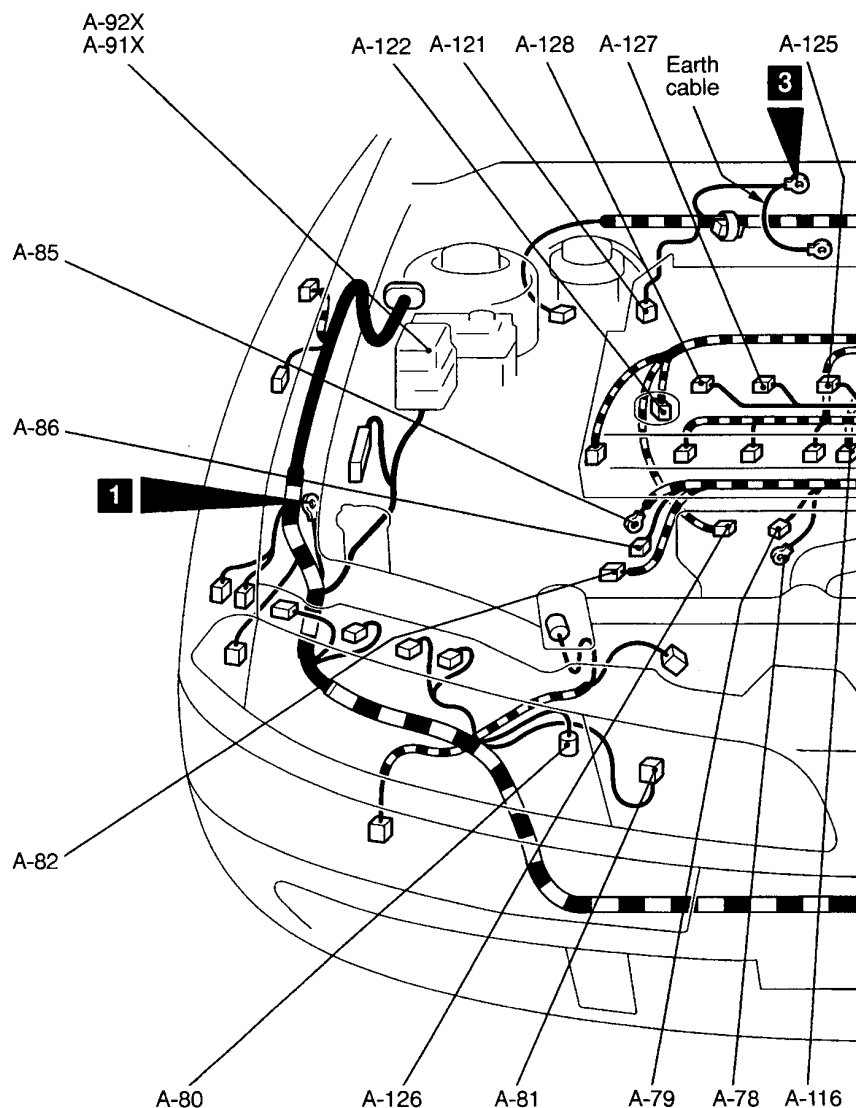
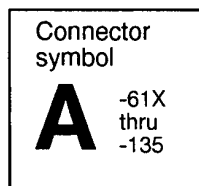
A-33 (10-B)	Inhibitor switch <A/T>
A-34 (4-GR)	Condenser fan motor
A-35 (2-BR)	Outside thermo sensor
A-36 (1)	Power steering fluid pressure switch
A-37 (2-B)	Position lamp (RH)
A-38 (3-B)	Headlamp (RH)
A-39 (3-B)	Headlamp leveling unit (RH)
A-40 (2-GR)	Front fog lamp (RH)
A-41 (2-B)	Horn (H)
A-44 (2)	Headlamp washer motor
A-45 (2)	Rear washer motor
A-46 (2)	Windshield washer motor
A-47 (2-B)	Front turn signal lamp (RH)

A-48 (31-B)	ABS-ECU
A-49 (2-B)	Front speed sensor (RH) <ABS>
A-50 (2-B)	Side turn signal lamp (RH)
A-51 (2-GR)	Injector No. 1
A-52 (2-GR)	Injector No. 2
A-53 (2-GR)	Injector No. 3
A-54 (2-GR)	Injector No. 4
A-56 (4-B)	Throttle position sensor

**NOTE**

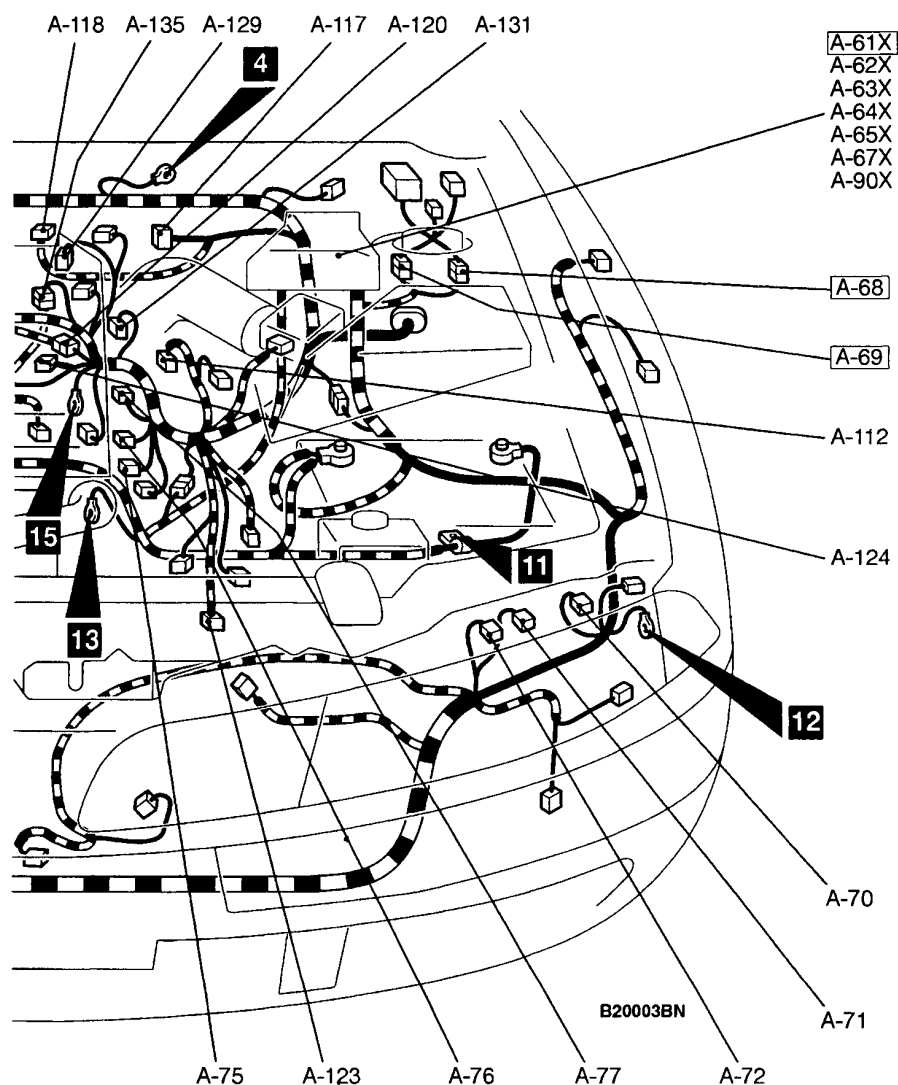
Connector numbers in    are connector numbers which have been added.

## GDI &lt;R.H. drive vehicles&gt;



<u>A-61X</u> (5)	Tail lamp relay <DRL>
A-62X (4)	Alternator relay
A-63X (5)	Radiator fan relay
A-64X (5)	Headlamp relay
A-65X (5)	Headlamp washer relay
A-67X (5)	Horn relay
<u>A-68</u> (10-B)	Front wiring harness and DRL wiring harness combination
<u>A-69</u> (10-B)	Front wiring harness and DRL wiring harness combination
A-70 (3-B)	Headlamp leveling unit (LH)
A-71 (3-B)	Headlamp (LH)

A-72 (2-B)	Position lamp (LH)
A-75 (1-B)	Engine coolant temperature gauge unit
A-76 (2-B)	Engine coolant temperature sensor
A-77 (2-GR)	Detonation sensor
A-78 (1)	Starter
A-79 (1-B)	Starter
A-80 (2-BR)	Dual pressure switch
A-81 (1-B)	A/C refrigerant temperature switch and magnetic clutch
A-82 (1-B)	Oil pressure switch
A-85 (1)	Alternator
A-86 (4-GR)	Alternator



A-90X (5) Condenser fan relay (LO)  
 A-91X (5) Condenser fan relay (HI)  
 A-92X (5) A/C compressor relay  
 A-112 (3-B) Vehicle speed sensor <M/T>  
 A-116 (6-GR) EGR servo  
 A-117 (26-B) Injector driver  
 A-118 (4-GR) Injector driver control relay  
 A-120 (8-B) Control wiring harness and injector wiring harness combination  
 A-121 (3-B) Brake vacuum sensor  
 A-122 (3-B) Fuel pressure sensor  
 A-123 (2-GR) M/T oil temperature sensor  
 A-124 (3-GR) Ignition coil 4

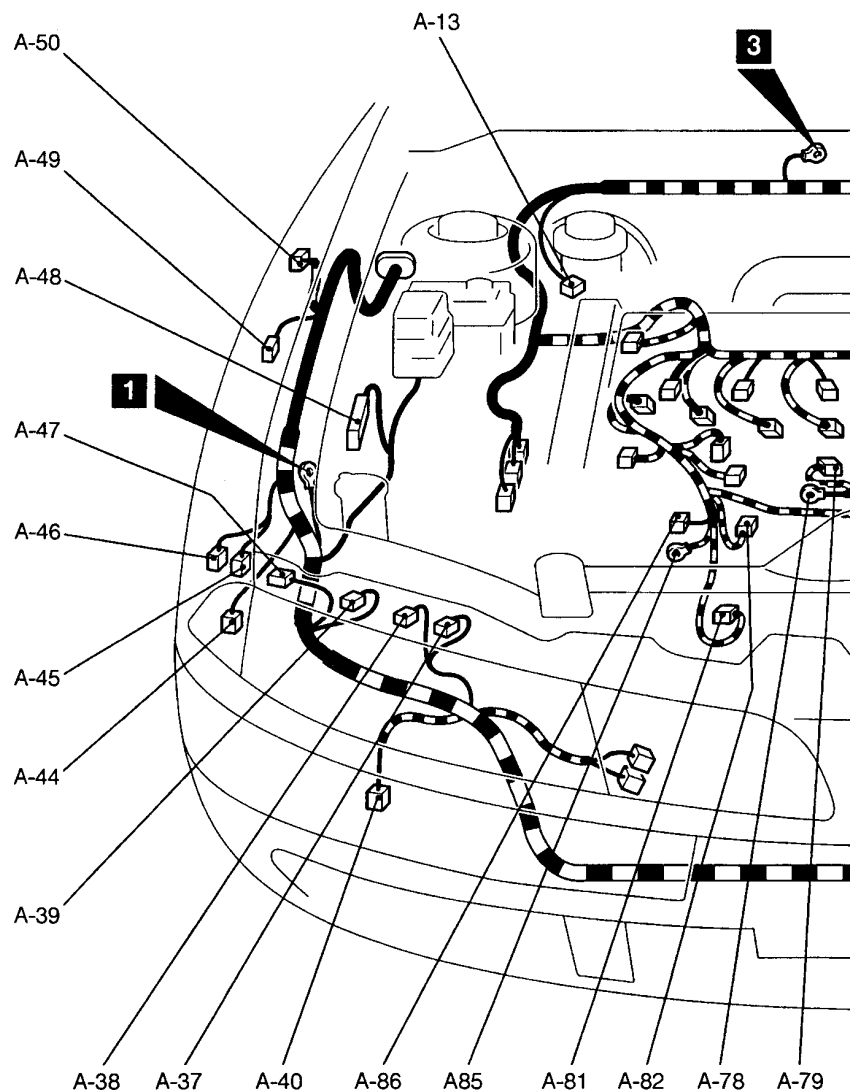
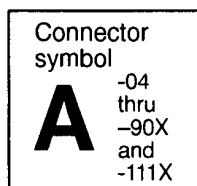
A-125 (3-GR) Ignition coil 3  
 A-126 (4-B) Oxygen sensor (Front)  
 A-127 (3-GR) Ignition coil 2  
 A-128 (3-GR) Ignition coil 1  
 A-129 (4-GR) Throttle control servo  
 A-131 (4-B) Ignition failure sensor  
 A-135 (6-B) EGR wiring harness and control wiring harness combination

**NOTE**

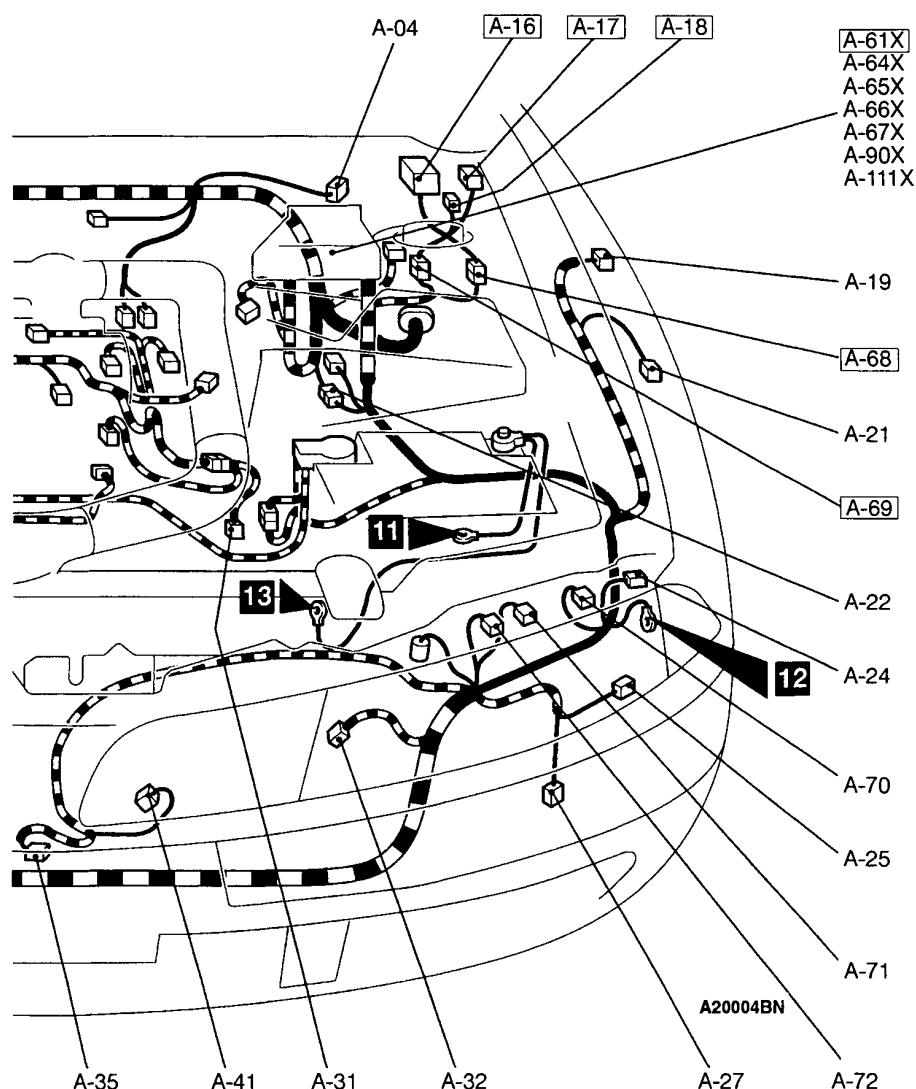
Connector numbers in    are connector numbers which have been added.

## ENGINE COMPARTMENT

Diesel &lt;F9Q-R.H. drive vehicles&gt;



A-04 (5-B)	Windshield wiper motor	A-32 (4-GR)	Radiator fan motor
A-13 (2-B)	Brake fluid level sensor	A-35 (2-BR)	Outside thermo sensor
<u>A-16</u> (12)	DRL-ECU	A-37 (2-B)	Position lamp (RH)
<u>A-17</u> (4)	DRL relay 1	A-38 (3-B)	Headlamp (RH)
<u>A-18</u> (4)	DRL relay 2	A-39 (3-B)	Headlamp leveling unit (RH)
A-19 (2-B)	Side turn signal lamp (LH)	A-40 (2-GR)	Front fog lamp (RH)
A-21 (2-B)	Front speed sensor (LH) <ABS>	A-41 (2-B)	Horn (HI)
A-22 (12-B)	Front wiring harness and control wiring harness combination	A-44 (2)	Headlamp washer motor
A-24 (2-B)	Front turn signal lamp (LH)	A-45 (2)	Rear washer motor
A-25 (2-B)	Horn (LO)	A-46 (2)	Windshield washer motor
A-27 (2-GR)	Front fog lamp (LH)	A-47 (2-B)	Front turn signal lamp (RH)
A-31 (2-B)	Back-up lamp switch	A-48 (31-B)	ABS-ECU
		A-49 (2-B)	Front speed sensor (RH) <ABS>



A-50 (2-B)	Side turn signal lamp (RH)
<u>A-61X</u> (5)	Tail lamp relay <DRL>
A-64X (5)	Headlamp relay
A-65X (5)	Headlamp washer relay
A-66X (5)	Fuel line heater relay
A-67X (5)	Horn relay
<u>A-68</u> (10-B)	Front wiring harness and DRL wiring harness combination
<u>A-69</u> (10-B)	Front wiring harness and DRL wiring harness combination
A-70 (3-B)	Headlamp leveling unit (LH)
A-71 (3-B)	Headlamp (LH)
A-72 (2-B)	Position lamp (LH)

A-78 (1)	Starter
A-79 (1)	Starter
A-81 (1-B)	A/C refrigerant temperature switch and magnetic clutch
A-82 (1)	Oil pressure switch
A-85 (1)	Alternator
A-86 (2-B)	Alternator
A-90X (5)	Condenser fan relay (LO)
A-111X (5)	Radiator fan relay

# NOTE

Connector numbers in    are connector numbers which have been added.