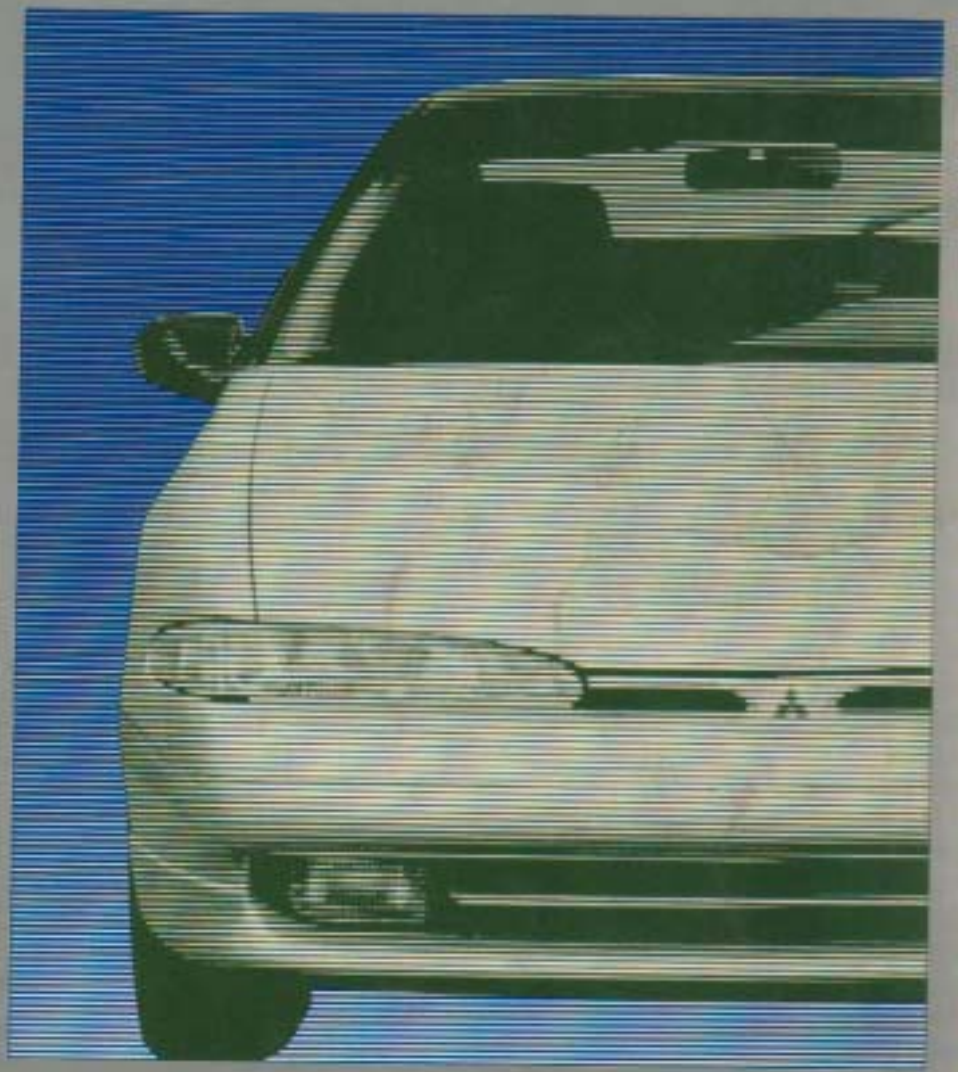
MITSUBISHI MOTORS

Service Manual

ELECTRICAL



ECLIPSE

Service Manual

ECLIPSE

1992–1993–1994

Volume 2
Electrical

FOREWORD

This Service Manual has been prepared with the latest service information available at the time of publication. It is subdivided into various group categories and each section contains diagnosis, disassembly, repair, and installation procedures along with complete specifications and tightening references. Use of this manual will aid in properly performing any servicing necessary to maintain or restore the high levels of performance and reliability designed into these outstanding vehicles.

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MOTOR SALES OF AMERICA, Inc.

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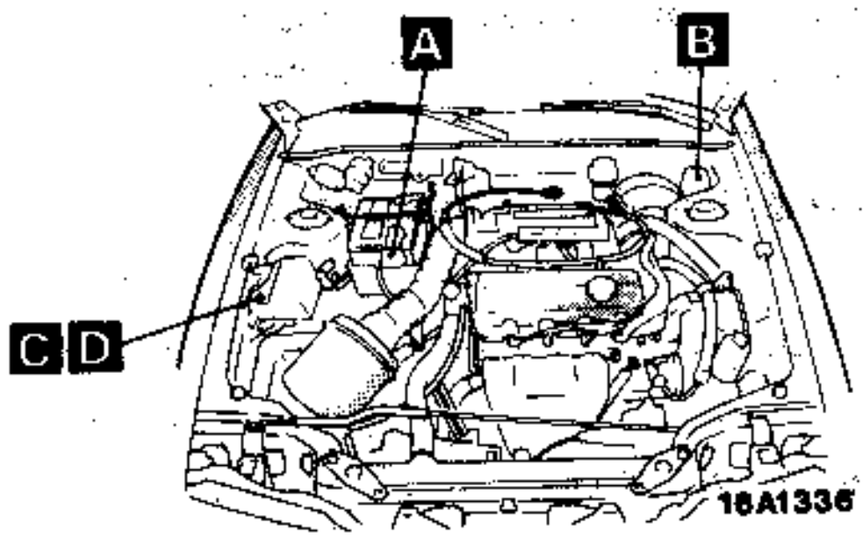
NOTE: For Engine, Chassis & Body, refer to Volume-1 "Engine, Chassis & Body".

FUSIBLE LINK, FUSE AND IOD OR STORAGE CONNECTOR LOCATION

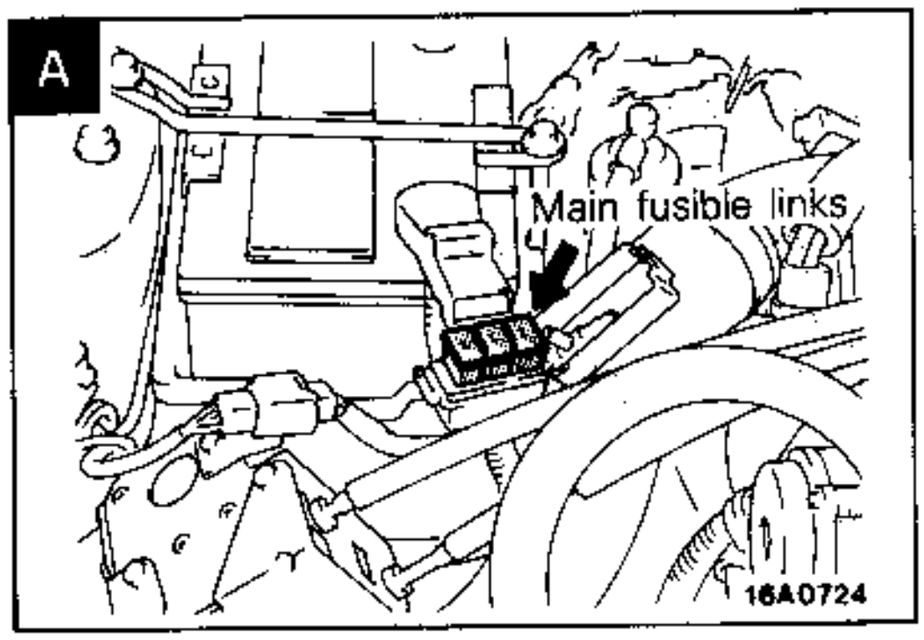
M16BA–

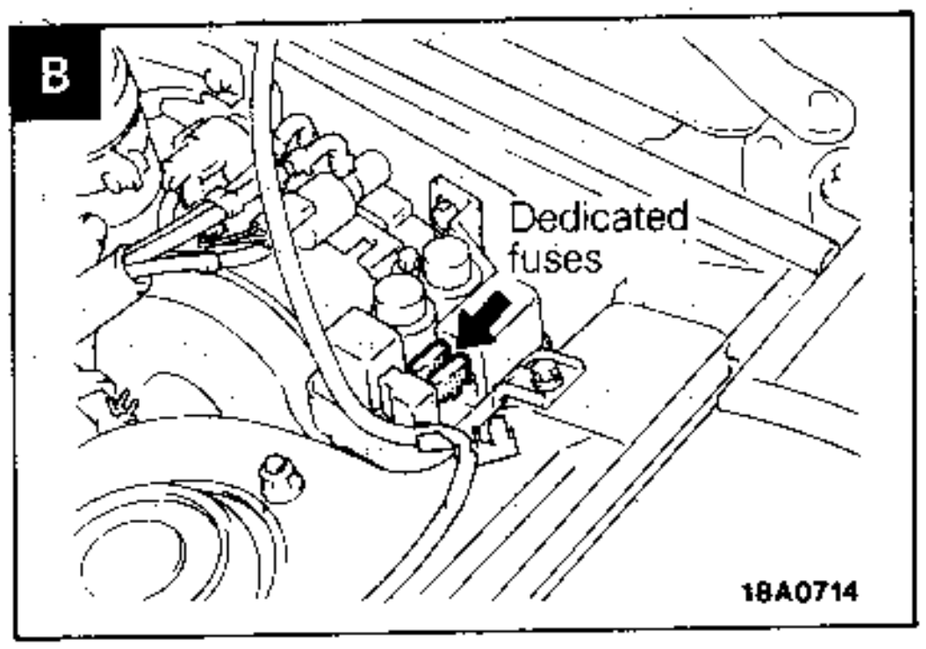
<Engine compartment>

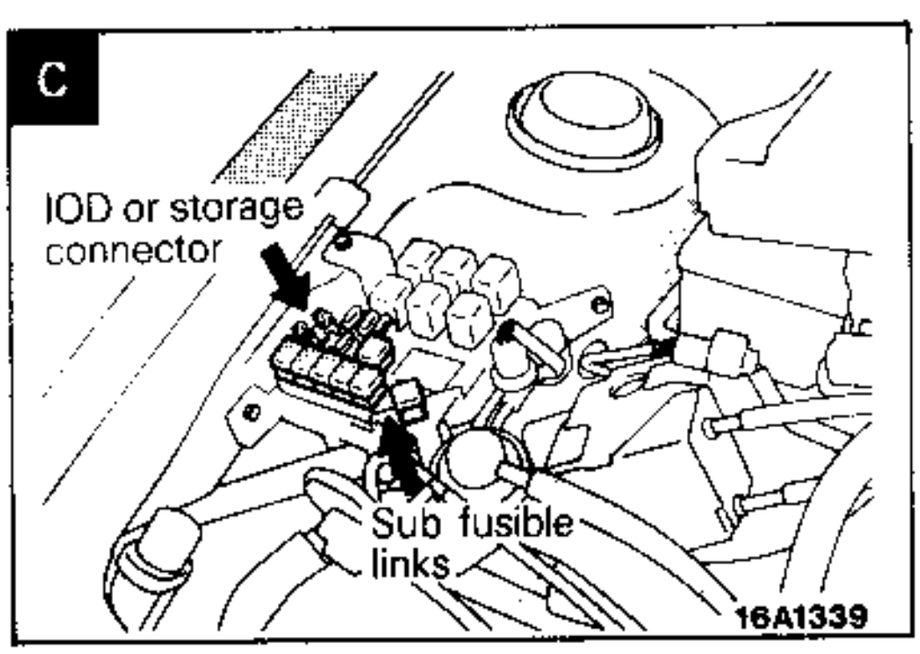


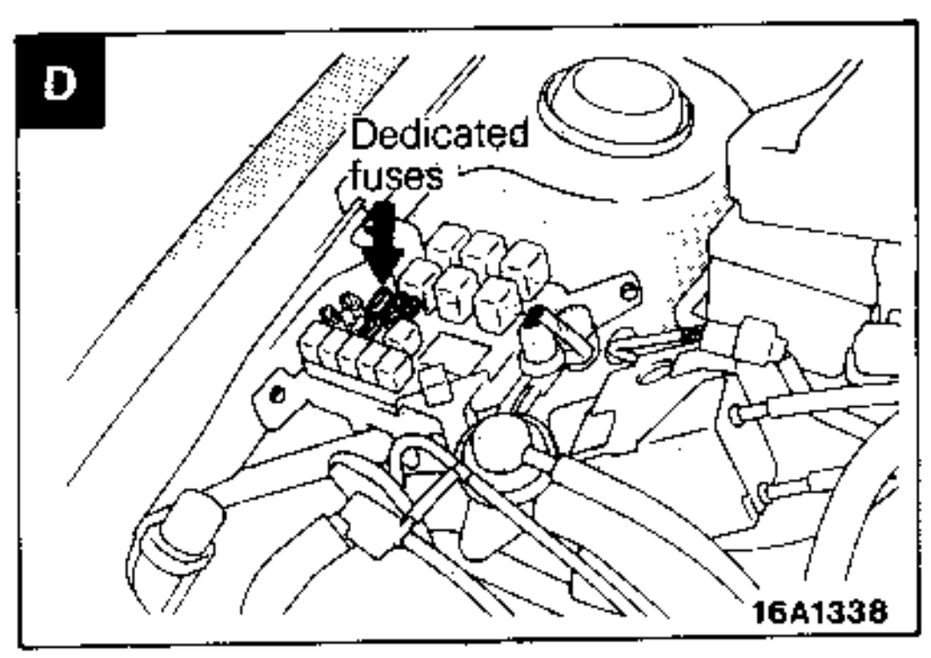
Name	Symbol
Dedicated fuses	B*, D
IOD or storage connector	C
Main fusible links	A
Multi-purpose fuse block	E
Sub fusible links	C

NOTE
(1) * : Air conditioning equipped models.
(2) For details of fusible link and fuse, refer to P.18, 19, 20.
(3) The "Name" column is arranged in alphabetical order.









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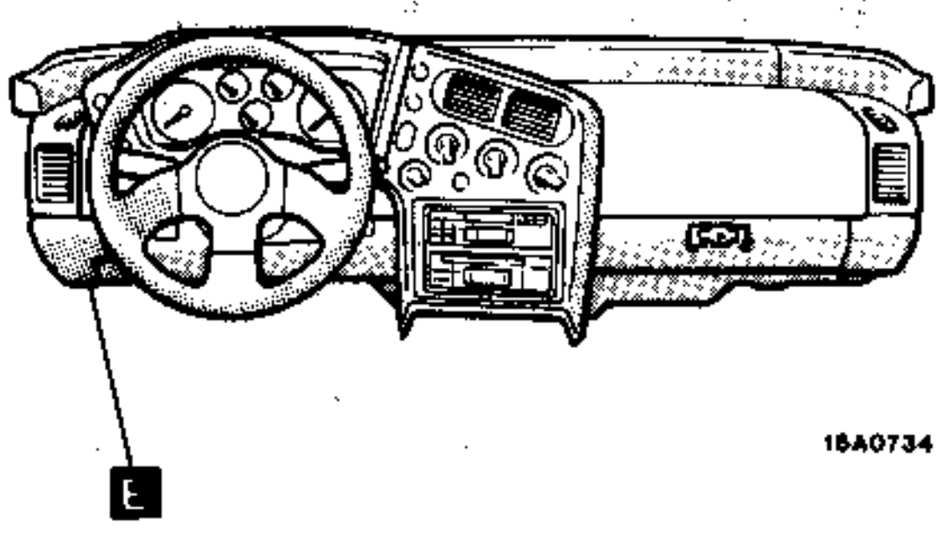

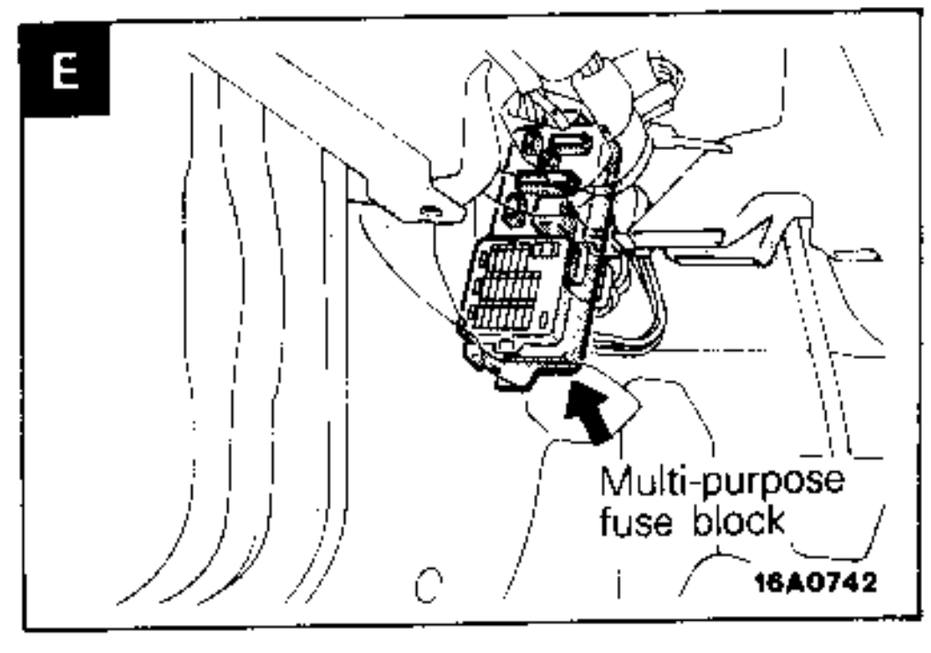

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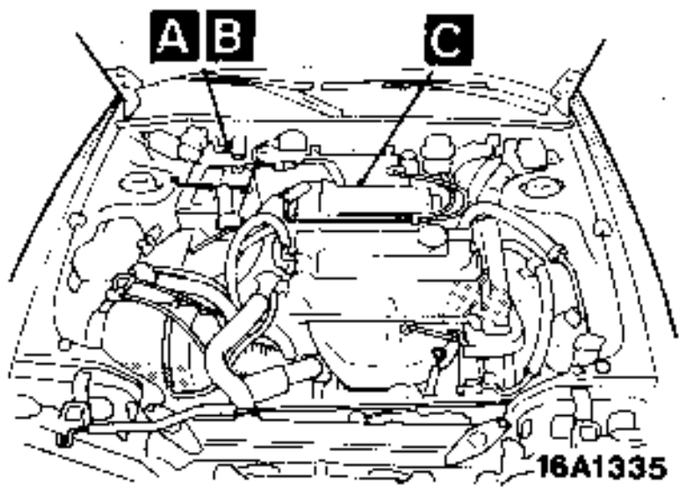
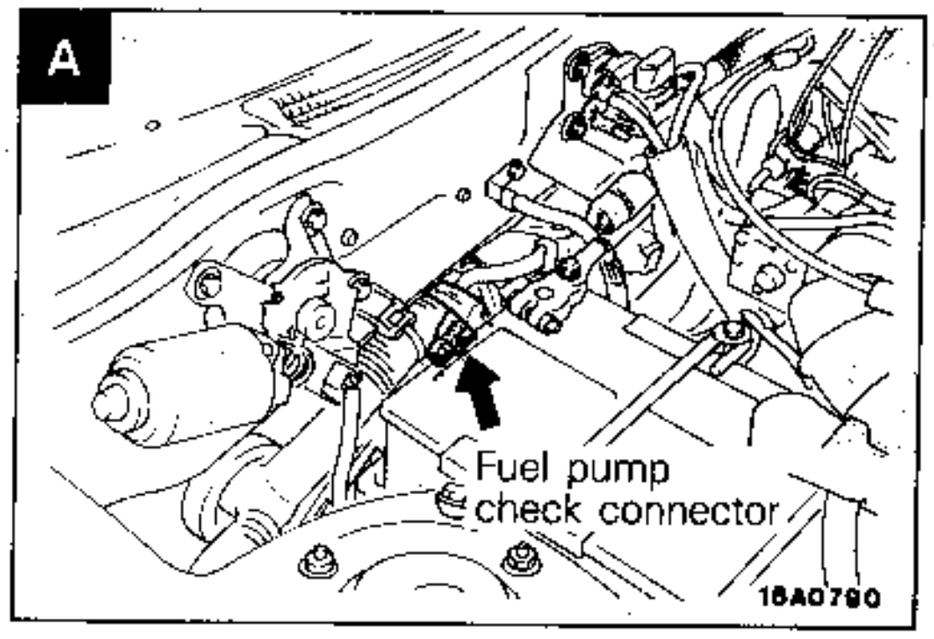
INSPECTION TERMINAL LOCATION

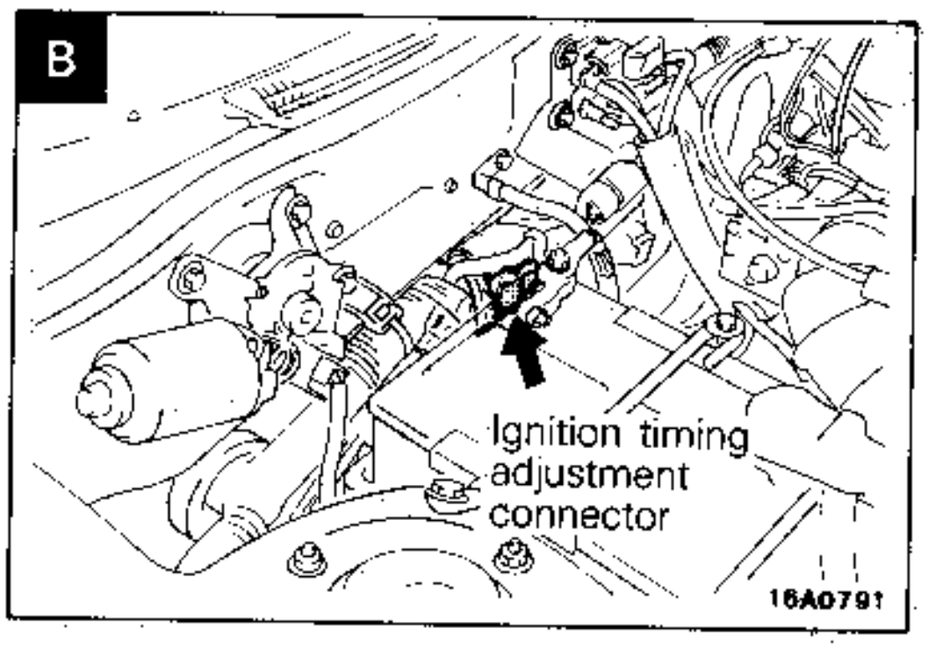
Name	Symbol	Name	Symbol
Data link connector	E	Oxygen sensor check connector <2.0L DOHC Engine>	D
Fuel pump check connector	A	Terminal for detecting the engine revolution speed <2.0L DOHC Engine>	C
Ignition timing adjustment connector	B		

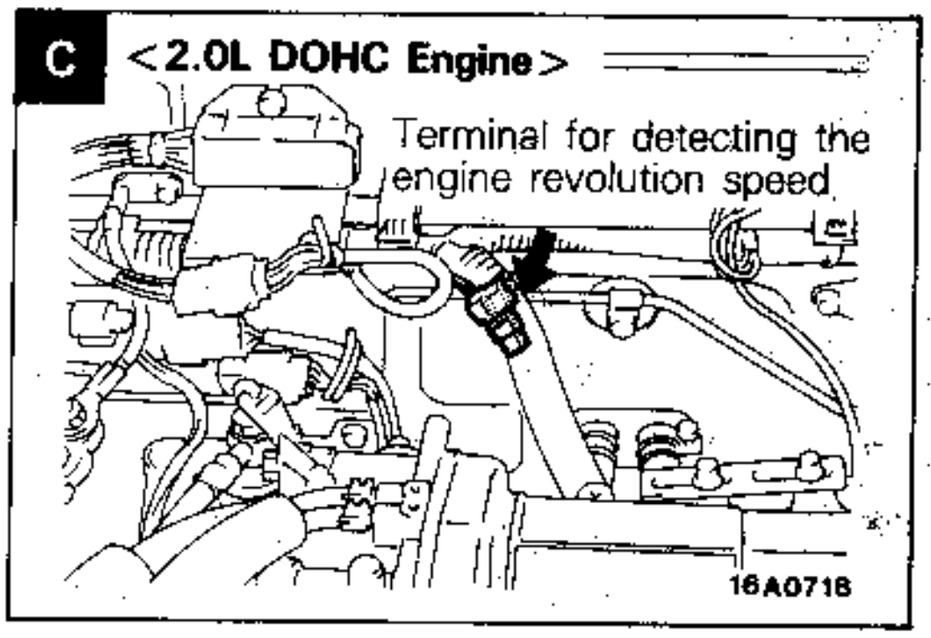
NOTE
The "Name" column is arranged in alphabetical order.

<Engine compartment>









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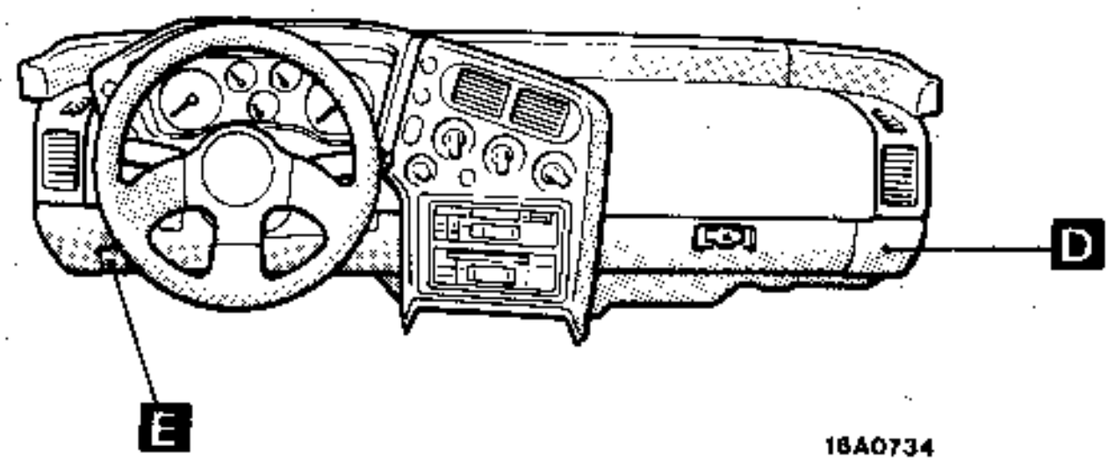

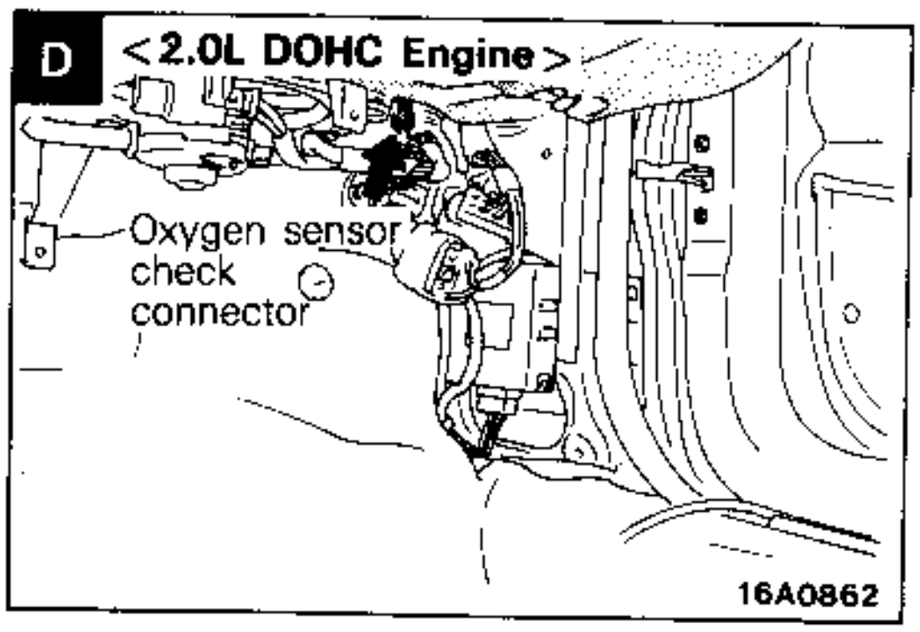

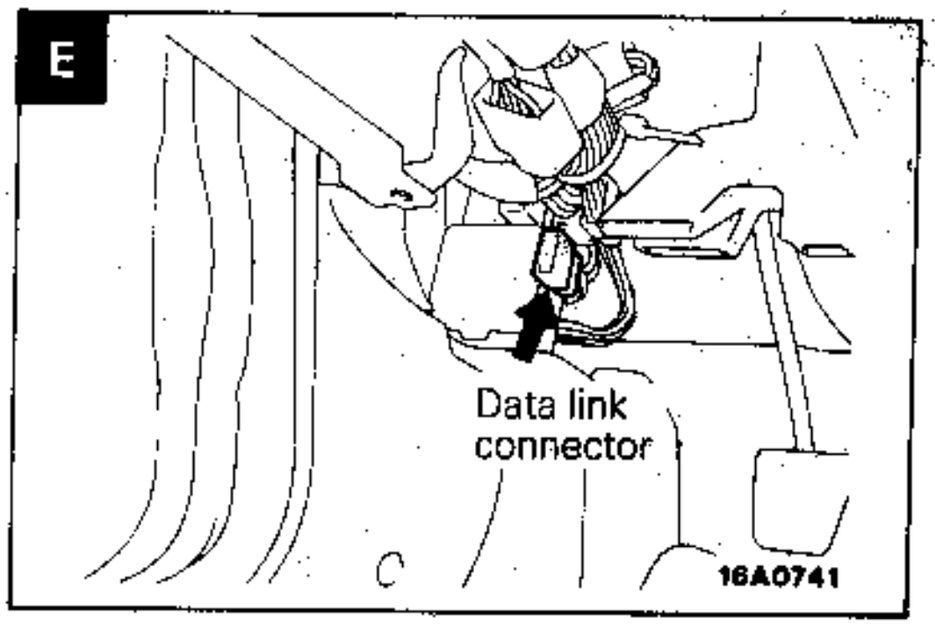

GROUNDING LOCATION

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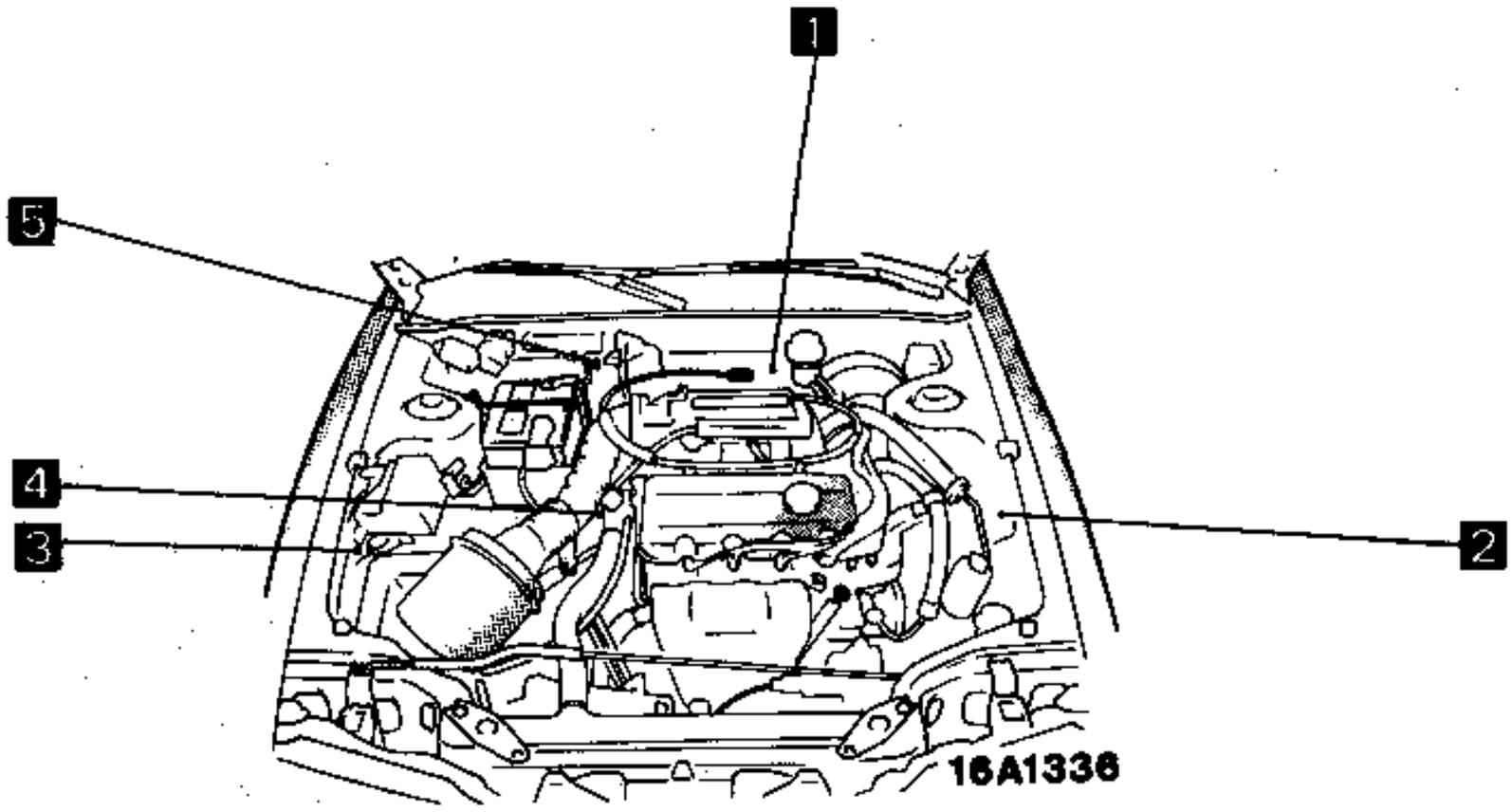

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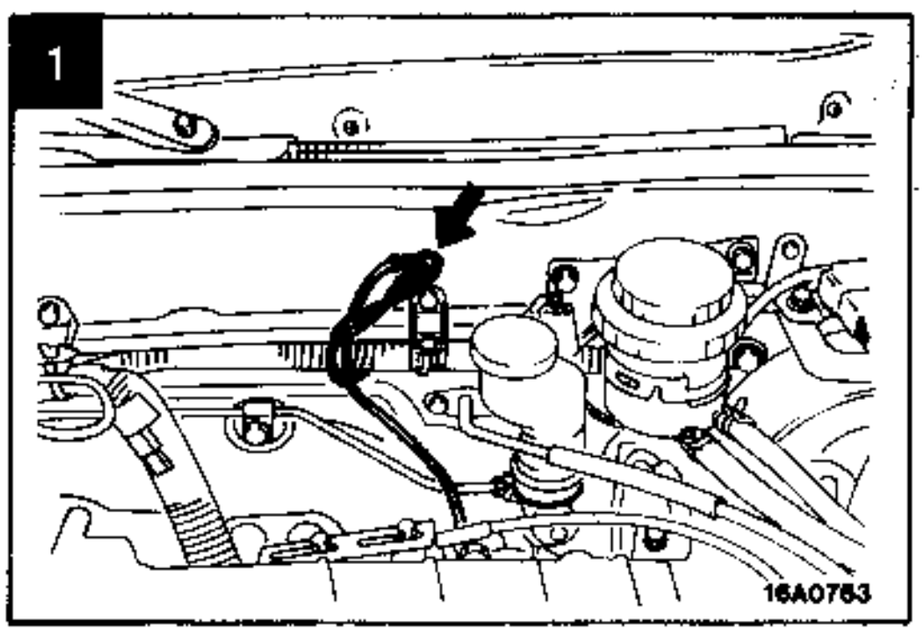

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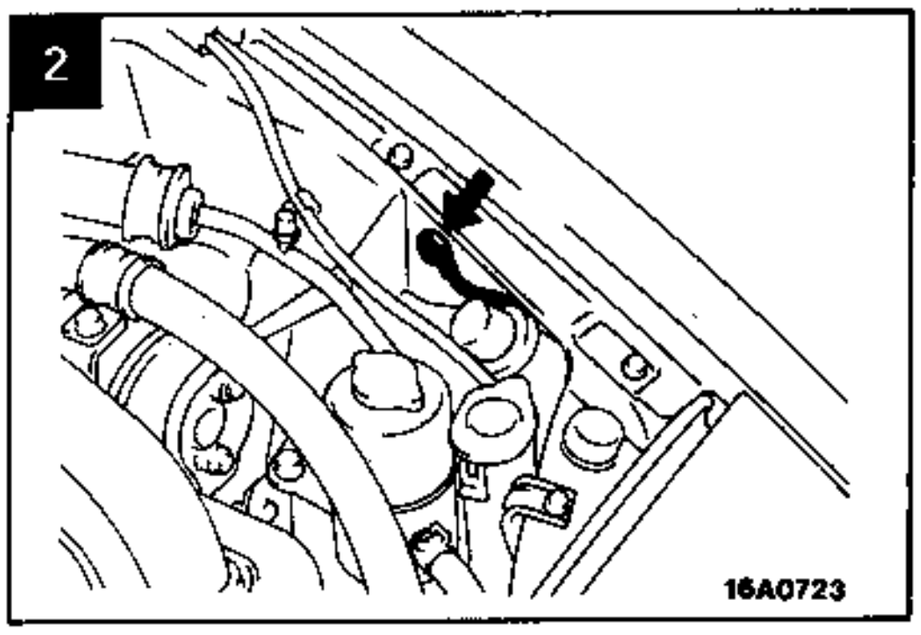

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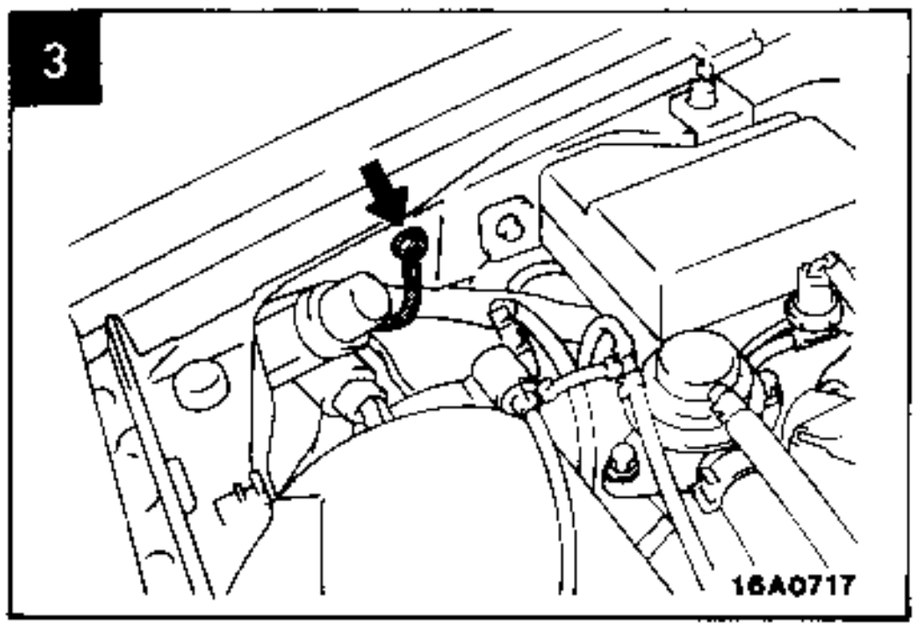

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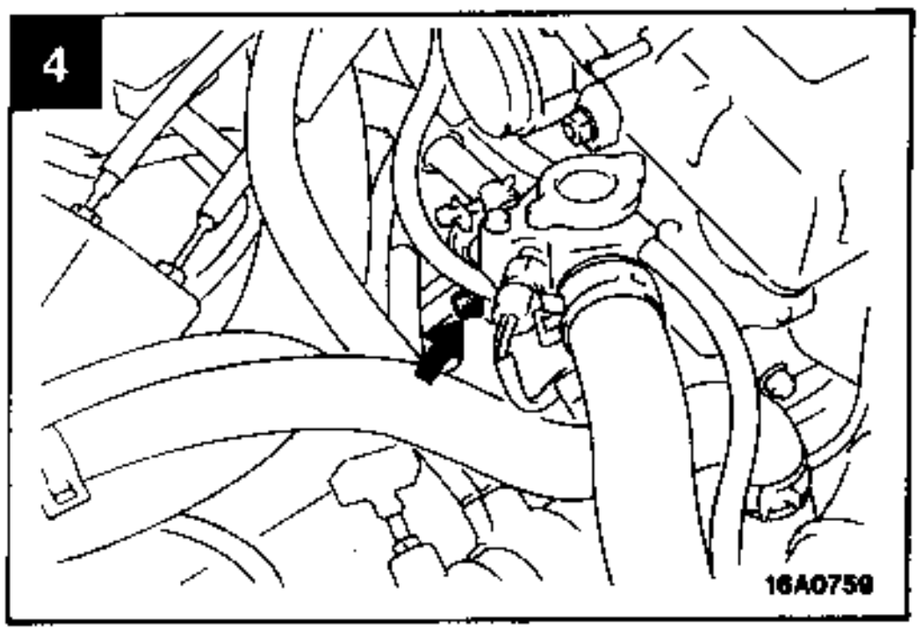

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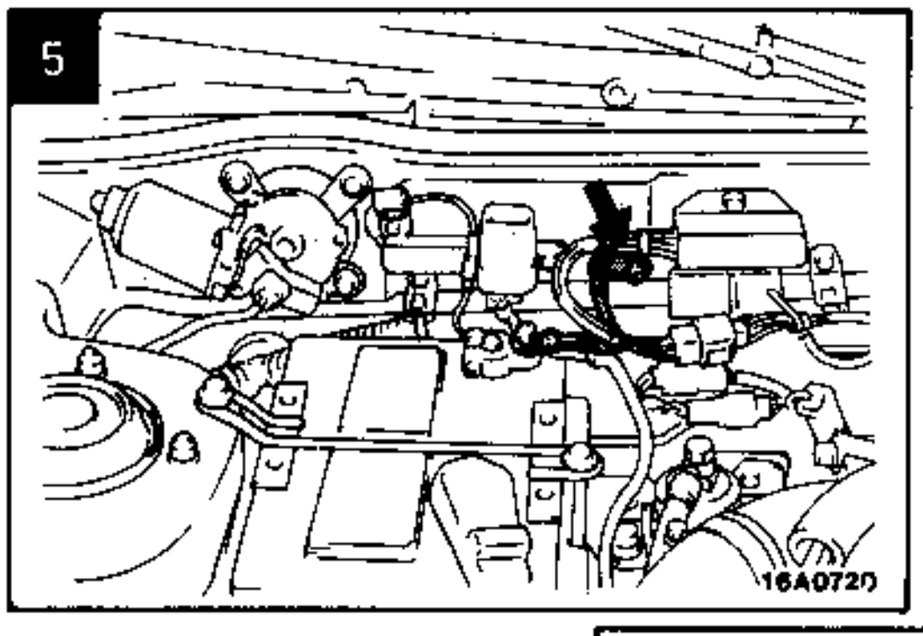

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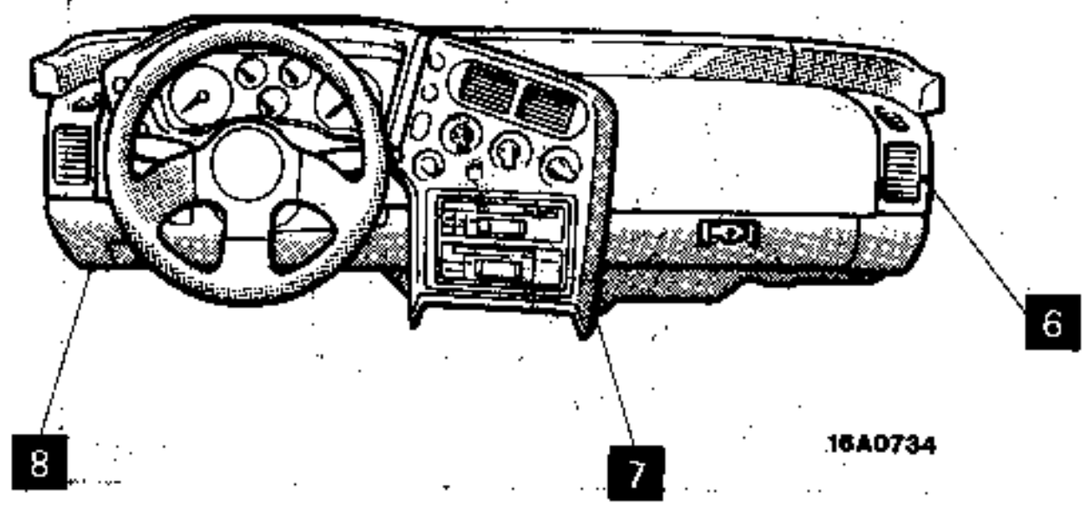
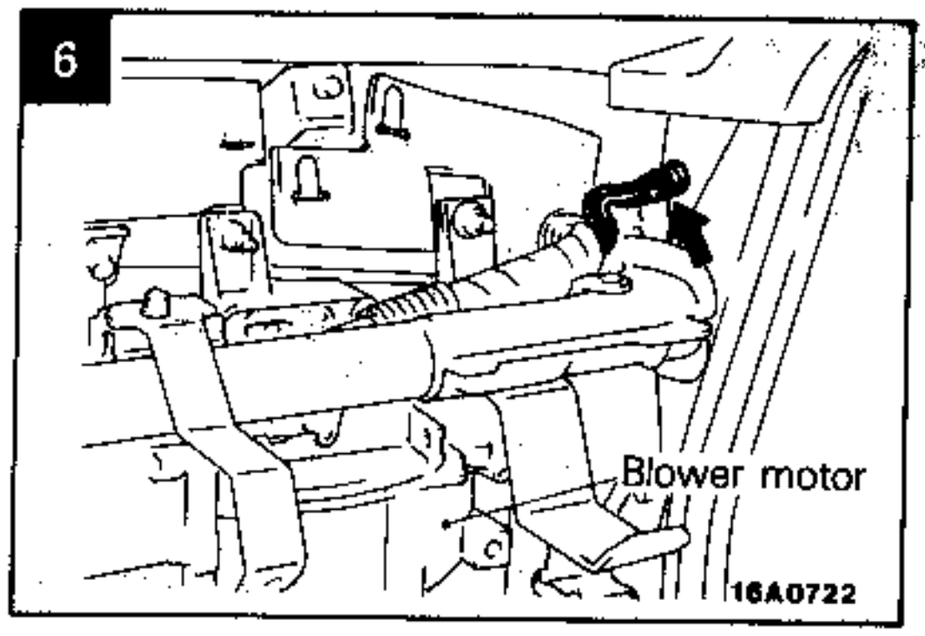
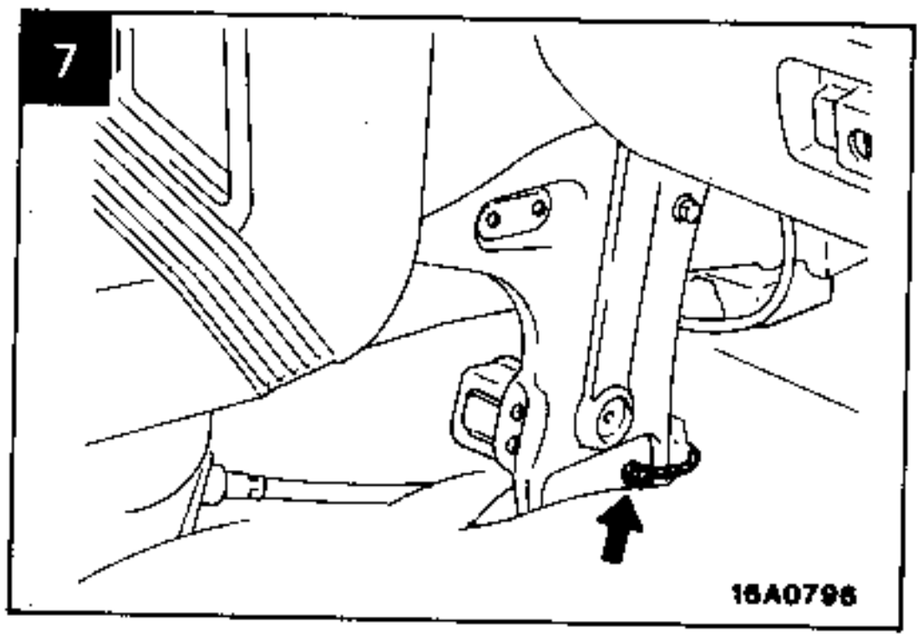
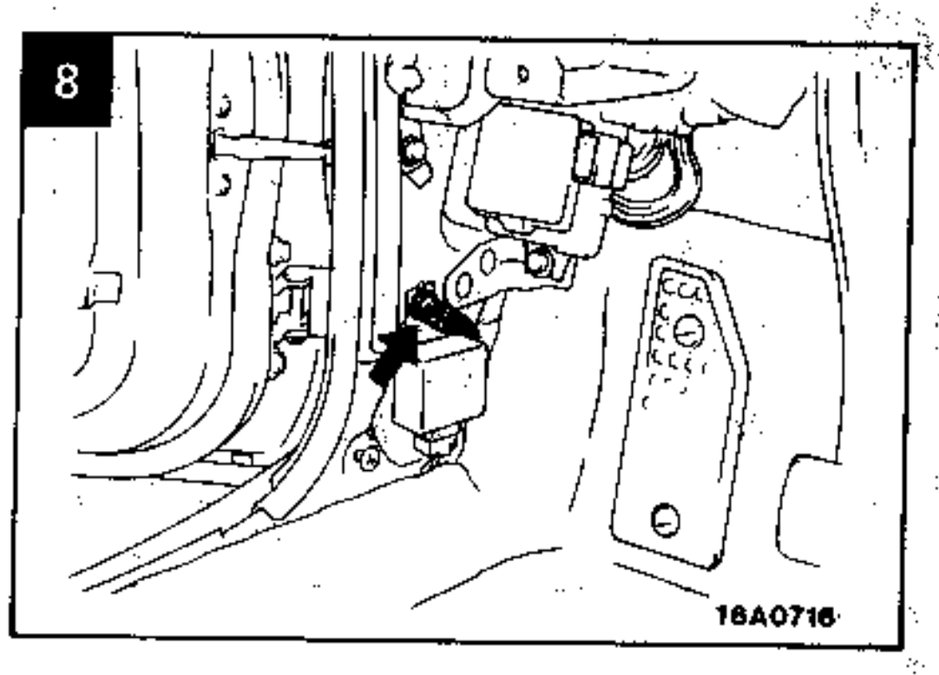
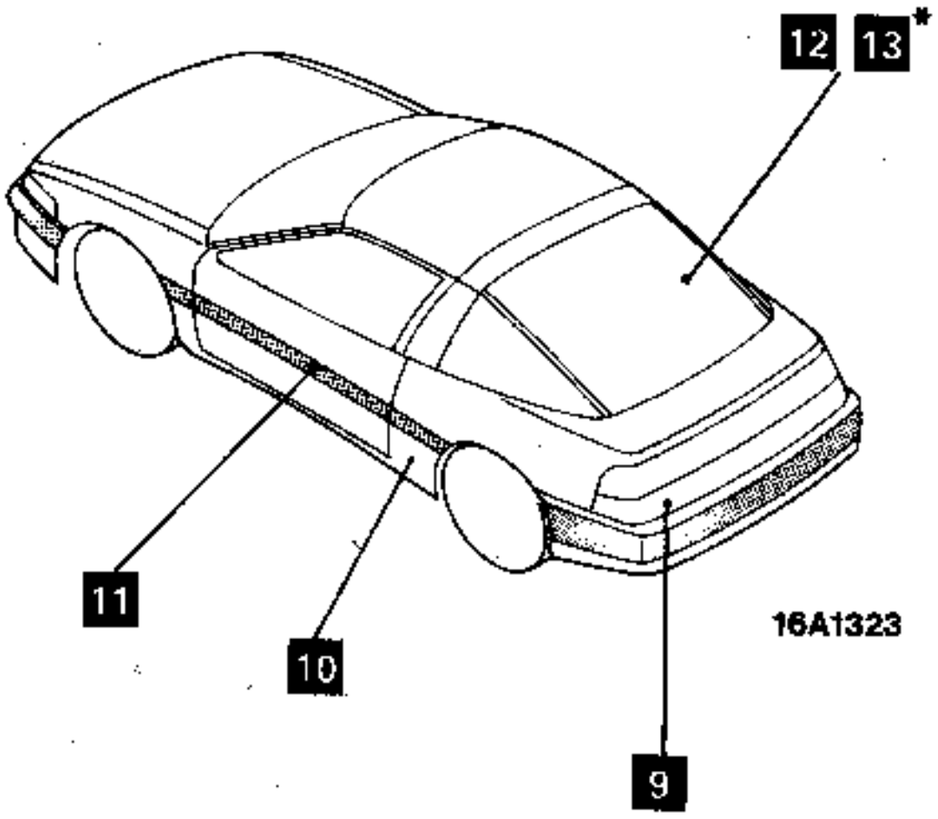


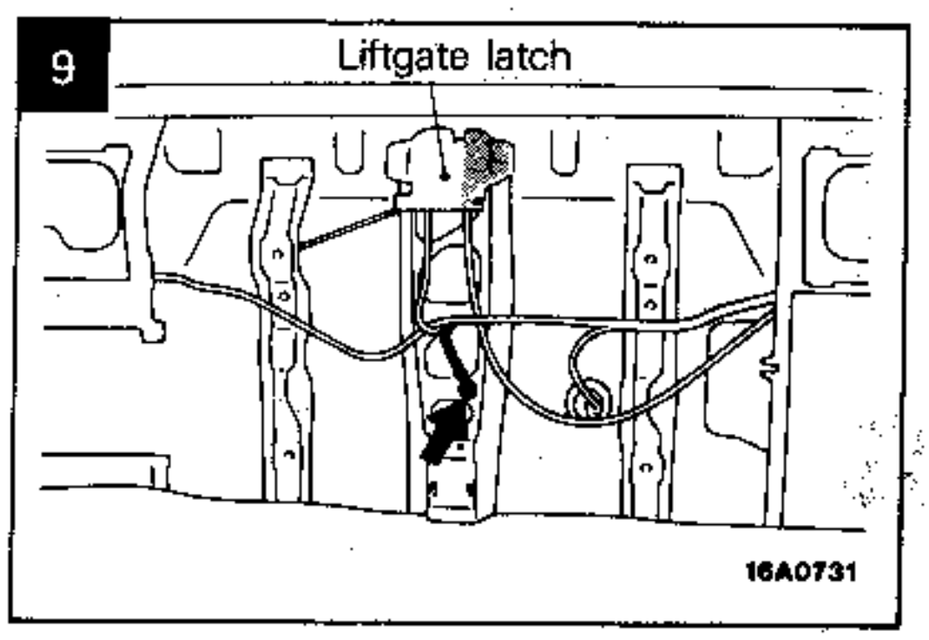


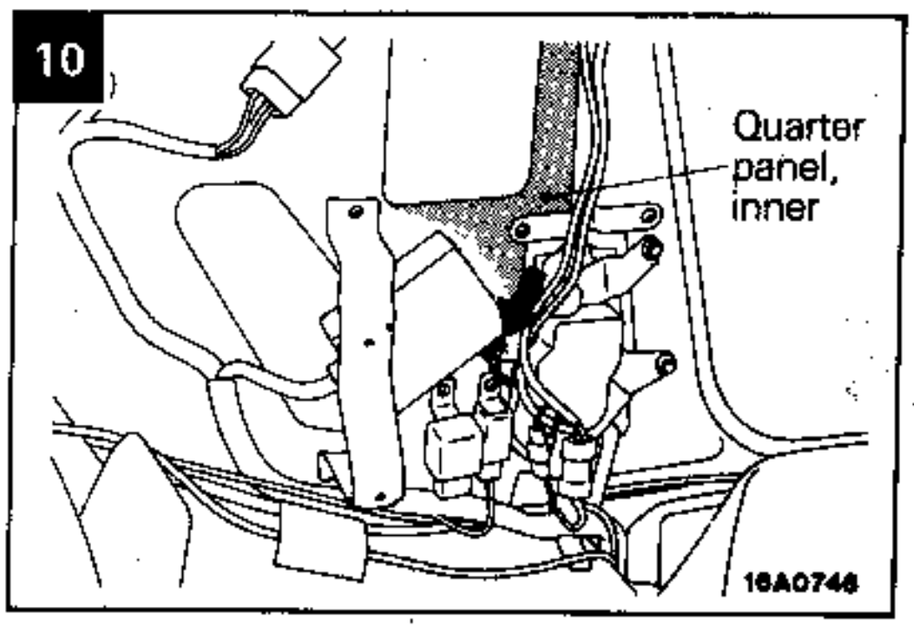




<Interior–Rear section and luggage compartment>







NOTE
The ground point indicated by the * symbol is applicable to models equipped with ABS.

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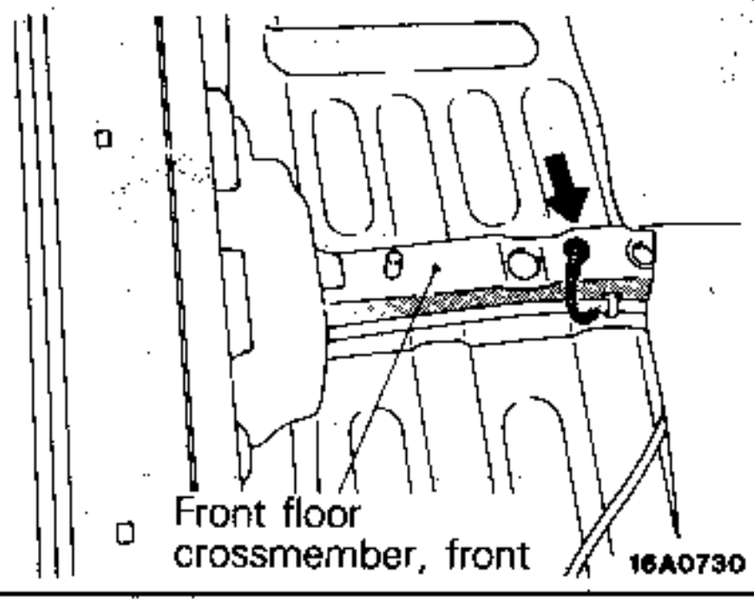

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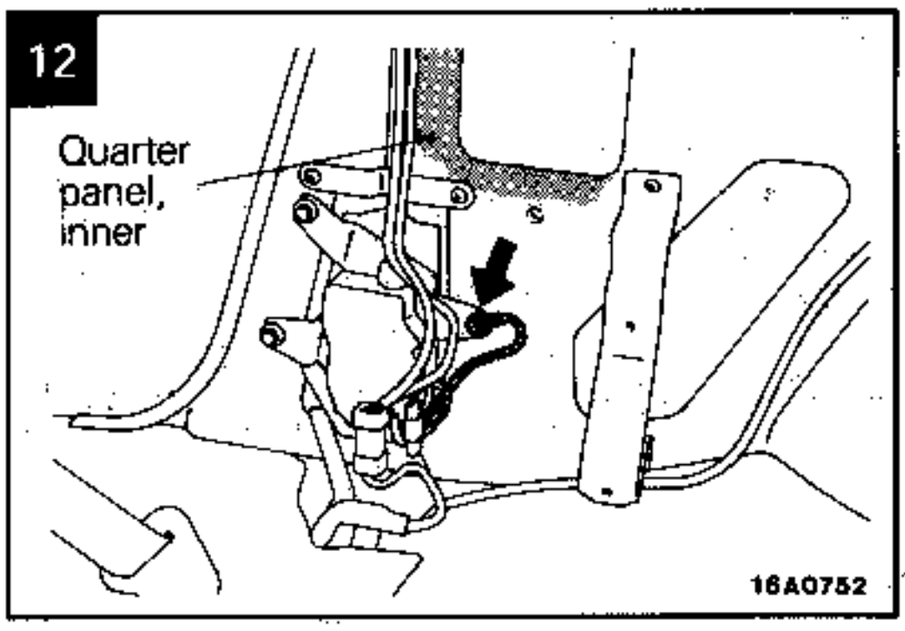

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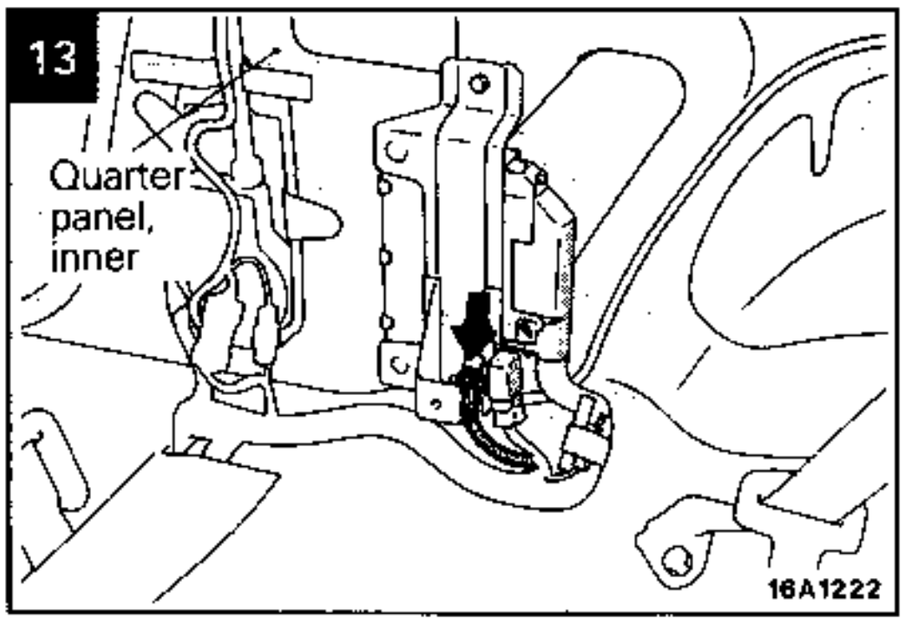

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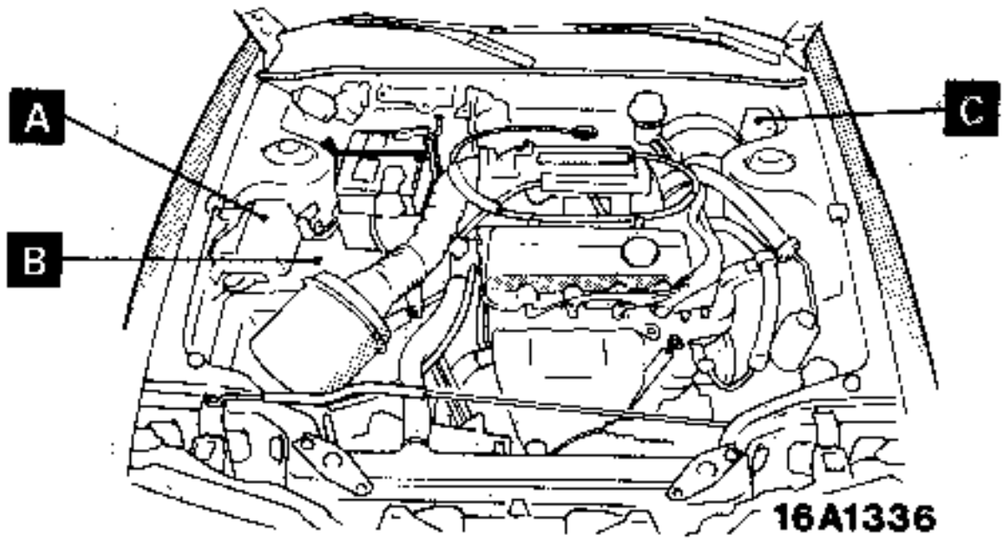
RELAY LOCATION

Name	Symbol	Name	Symbol
ABS motor relay	B	Generator relay	A
ABS power relay	H	Headlight relay	A
ABS valve relay	B	Heater relay	E
Automatic seat belt motor relay	I	Intermittent wiper relay (rear wiper)	I
Blower motor High relay	G	Intermittent wiper relay (windshield wiper)	F
Condenser fan motor High-Low select relay	C	Magnet clutch relay	C
Condenser fan motor relay	C	Power window relay	A
Dome light relay	I	Radiator fan motor relay	A
Door lock relay	D	Starter relay	D
Fog light relay	A	Taillight relay	A

NOTE
The "Name" column is arranged in alphabetical order.

Engine compartment



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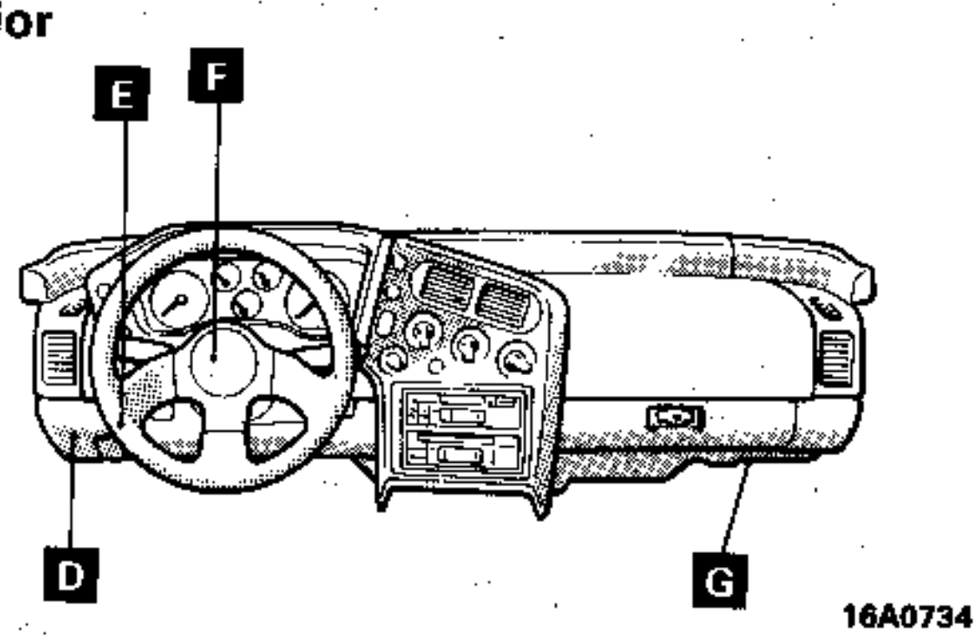

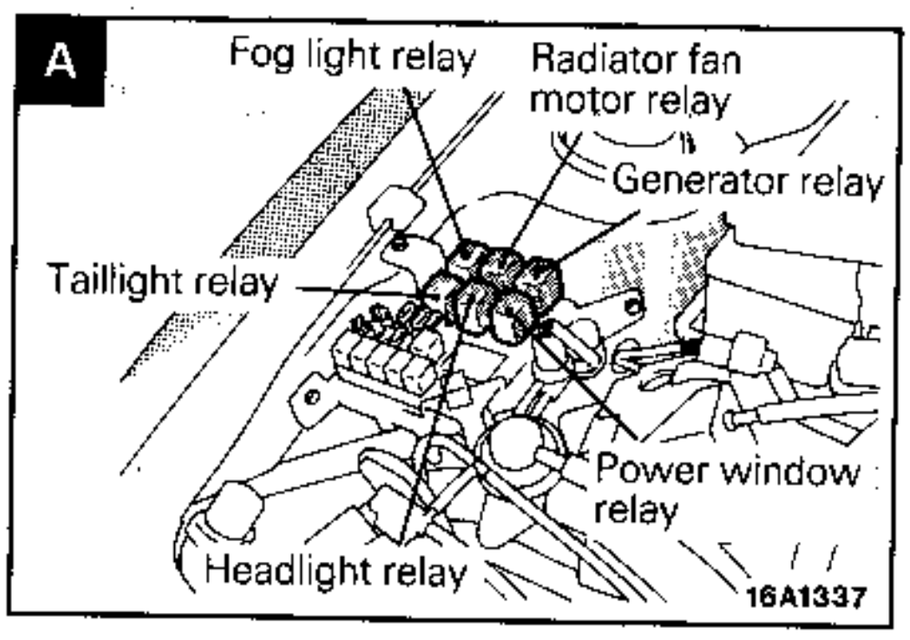

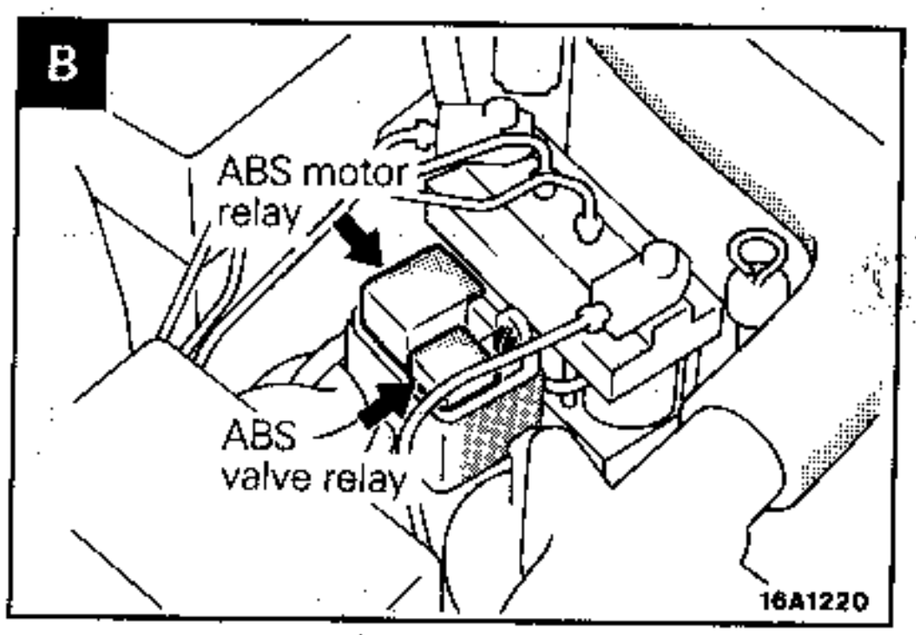

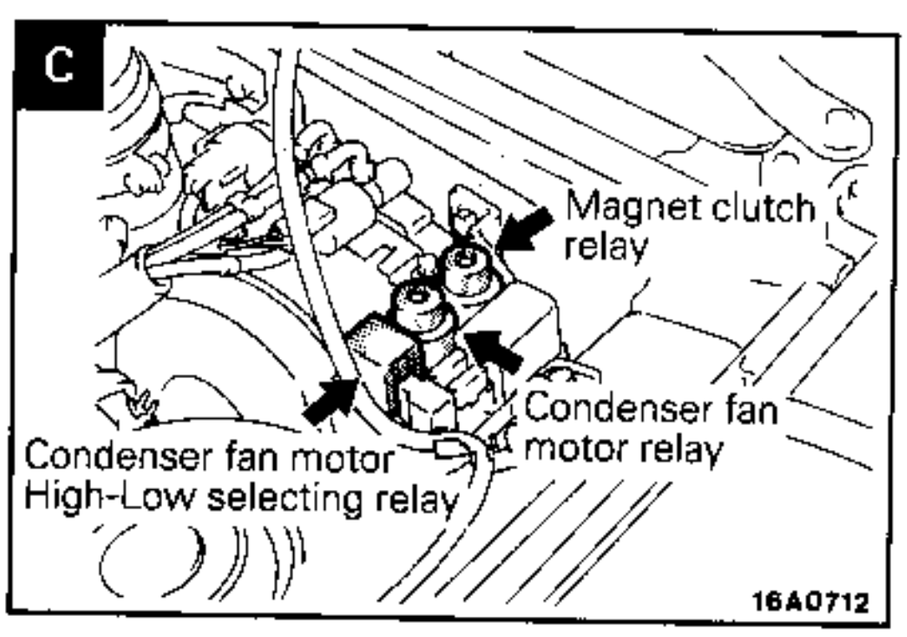

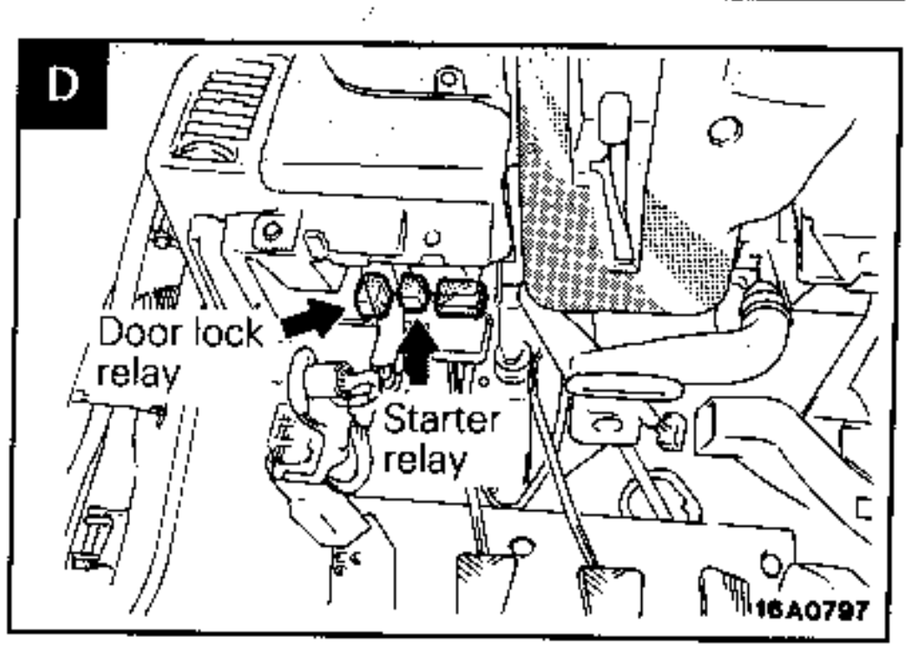

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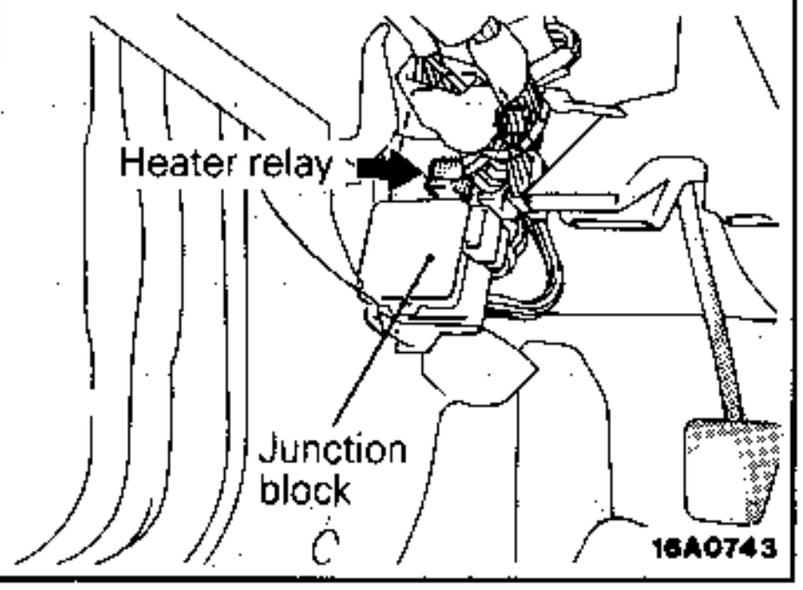

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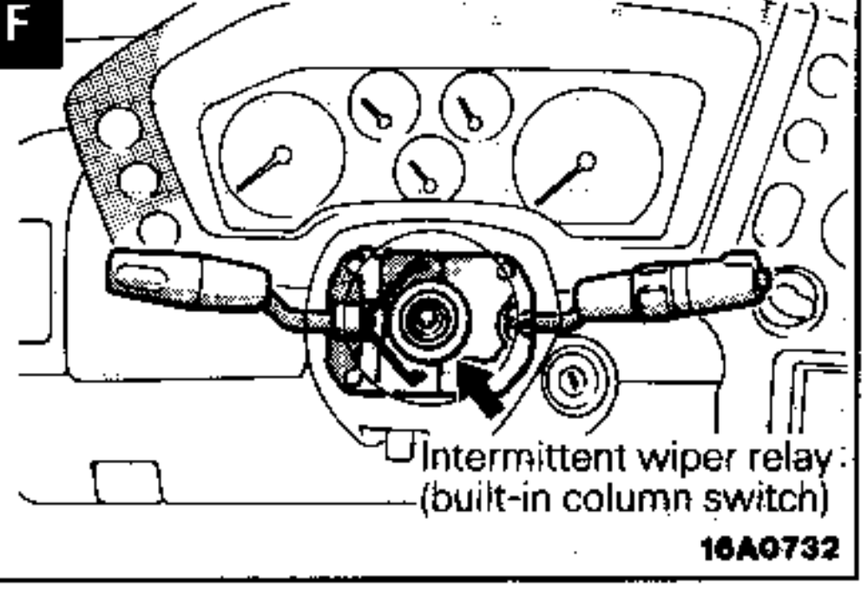

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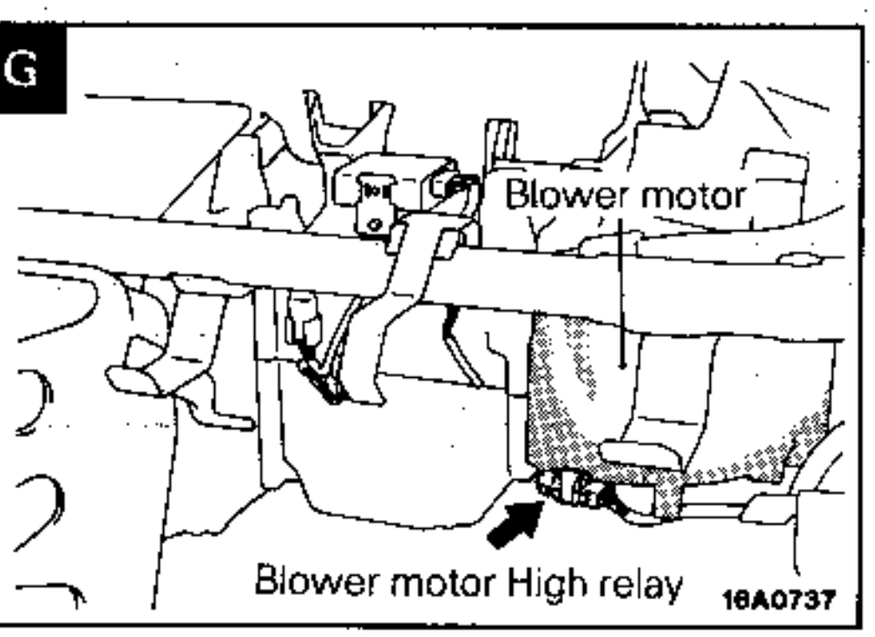

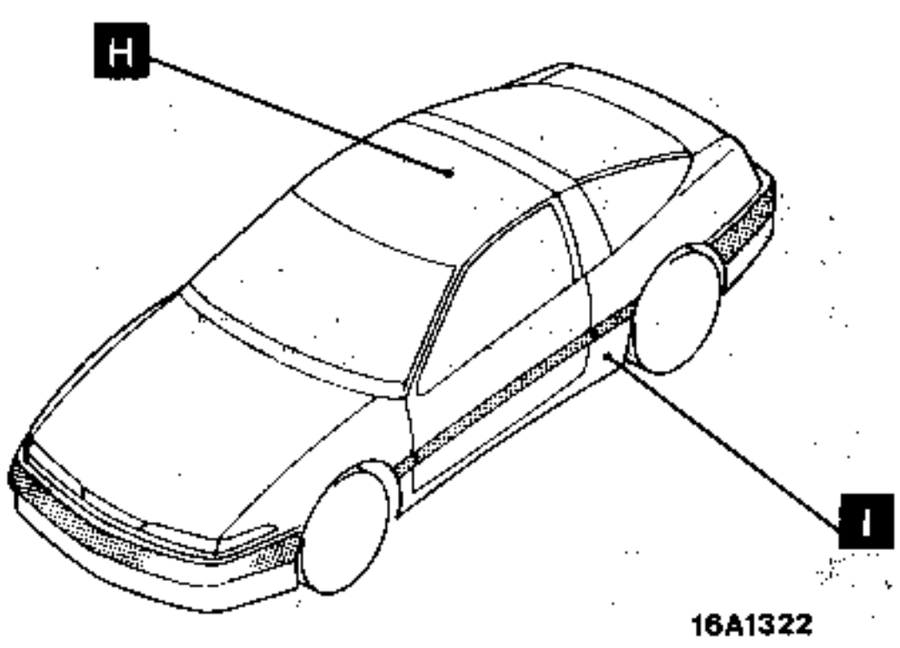

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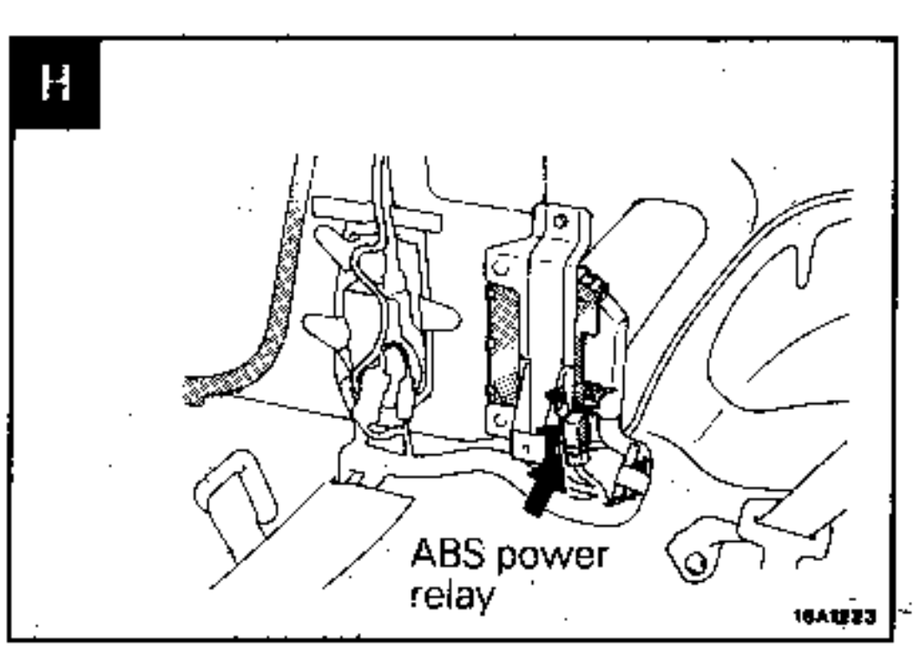

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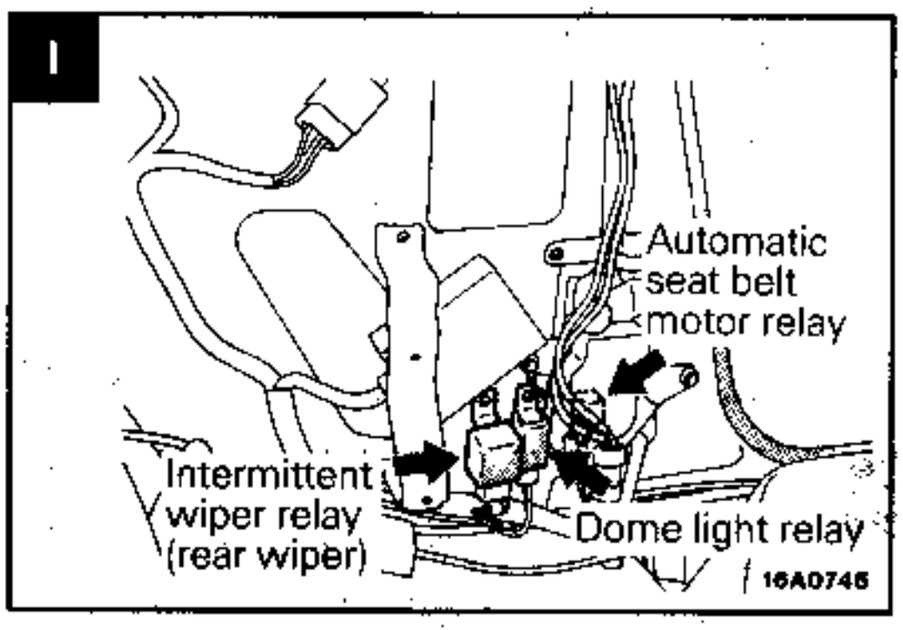


TSB Revision

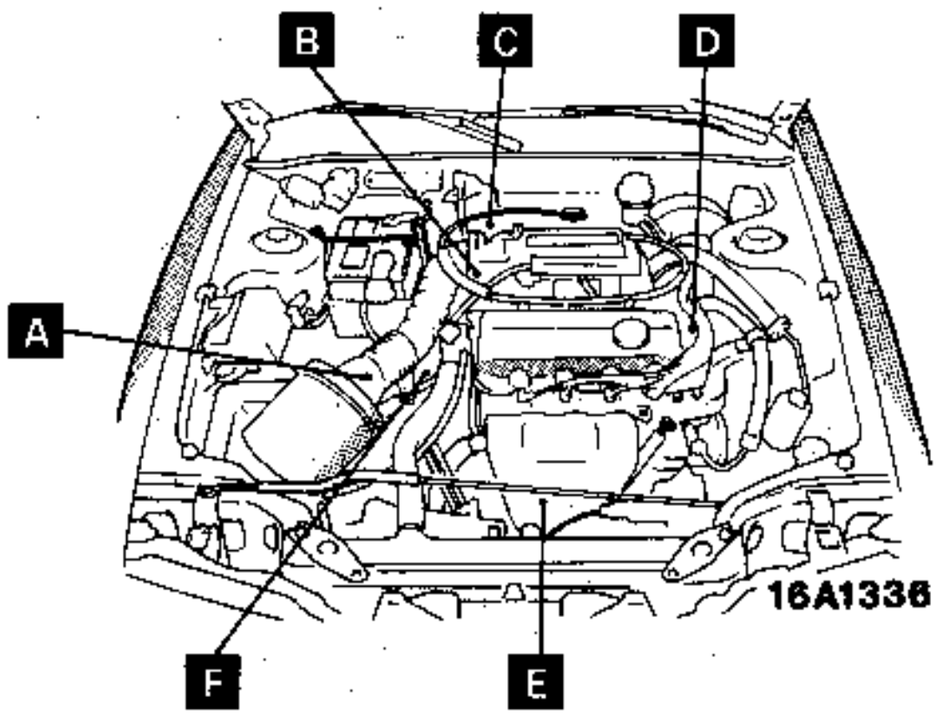
SENSOR LOCATION

Name	Symbol	Name	Symbol
Air inlet sensor	I	ISC motor position sensor	C
Air thermo sensor	I	Intake air temperature sensor	A
Barometric pressure sensor	A	Knock sensor	G
Camshaft position sensor	D	Oxygen sensor	E
Crankshaft position sensor	D	Rear speed sensor	L
Engine coolant temperature sensor	F	Throttle position sensor	B
Front speed sensor	J	Vehicle-speed sensor (Reed switch)	H
G-sensor	K	Volume air flow sensor	A

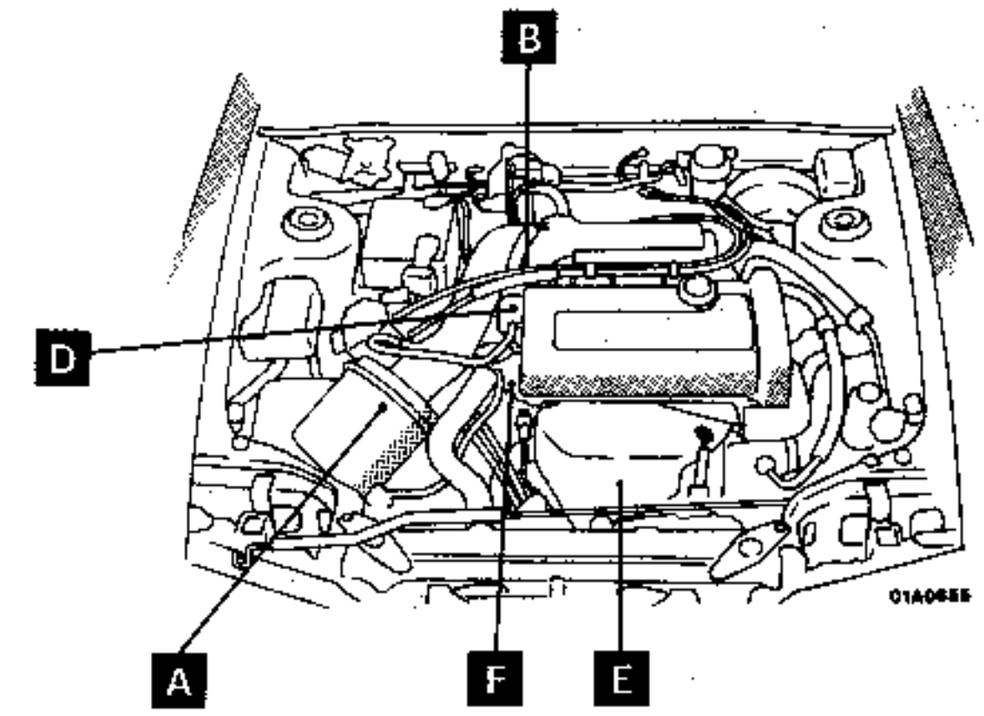
NOTE
The "Name" column is arranged in alphabetical order.

Engine compartment

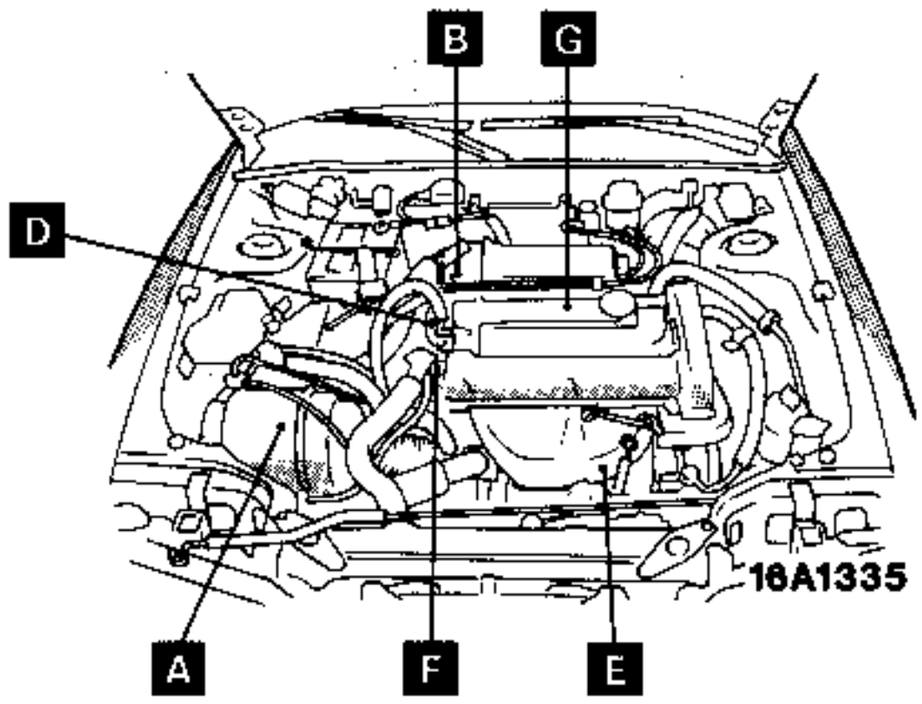
1.8L Engine

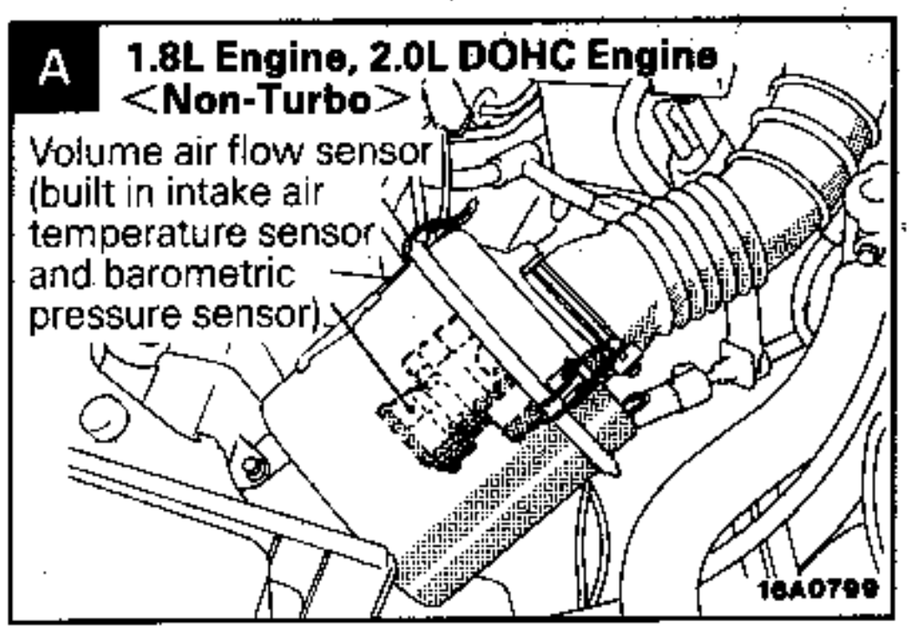


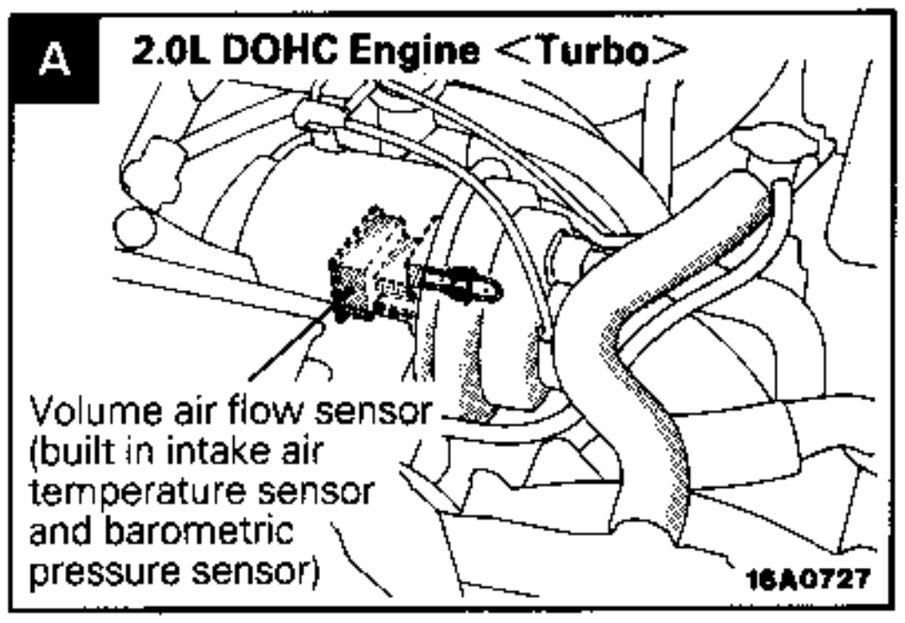
2.0L DOHC Engine <Non-Turbo>



2.0L DOHC Engine <Turbo>

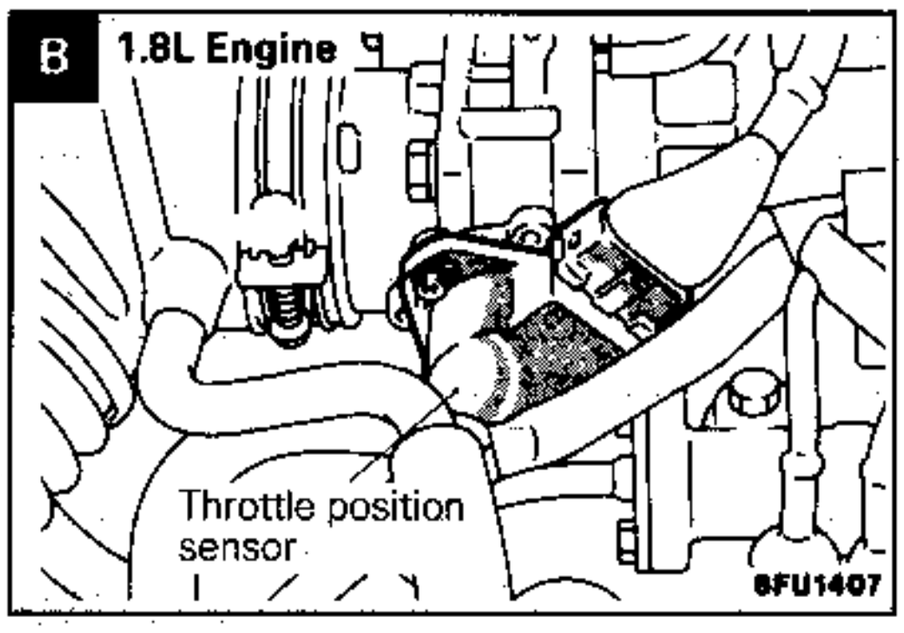




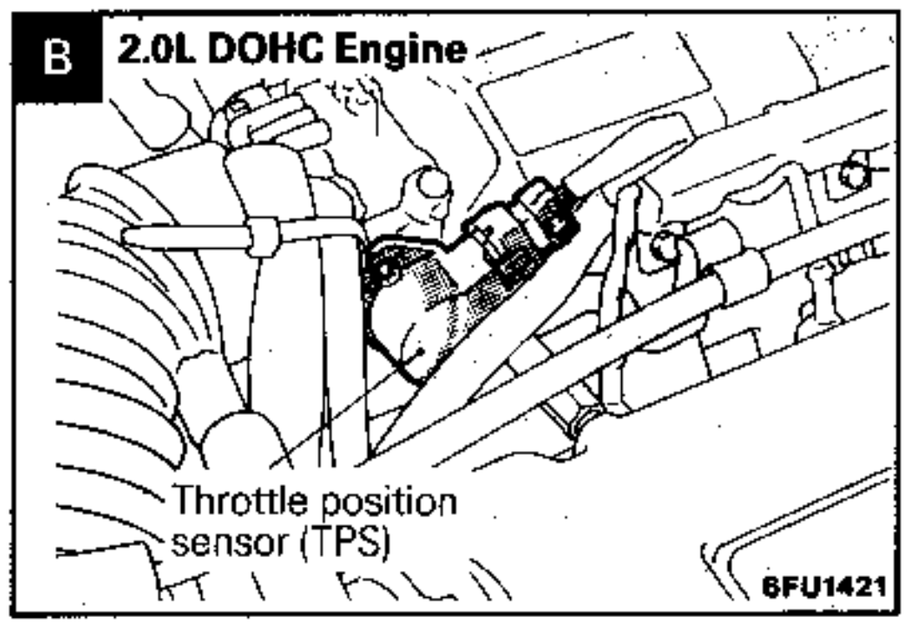


TSB Revision

B 1.8L Engine



B 2.0L DOHC Engine



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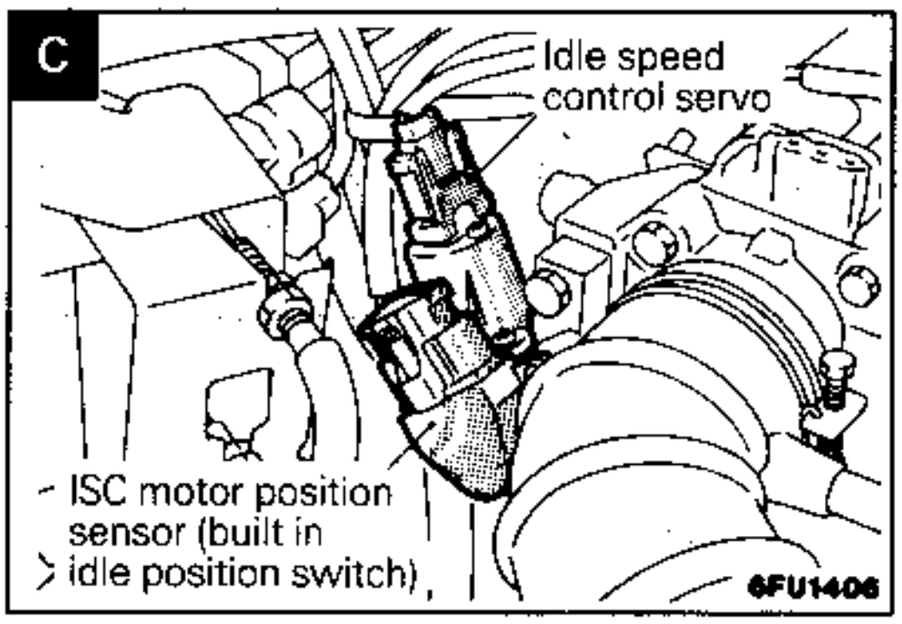
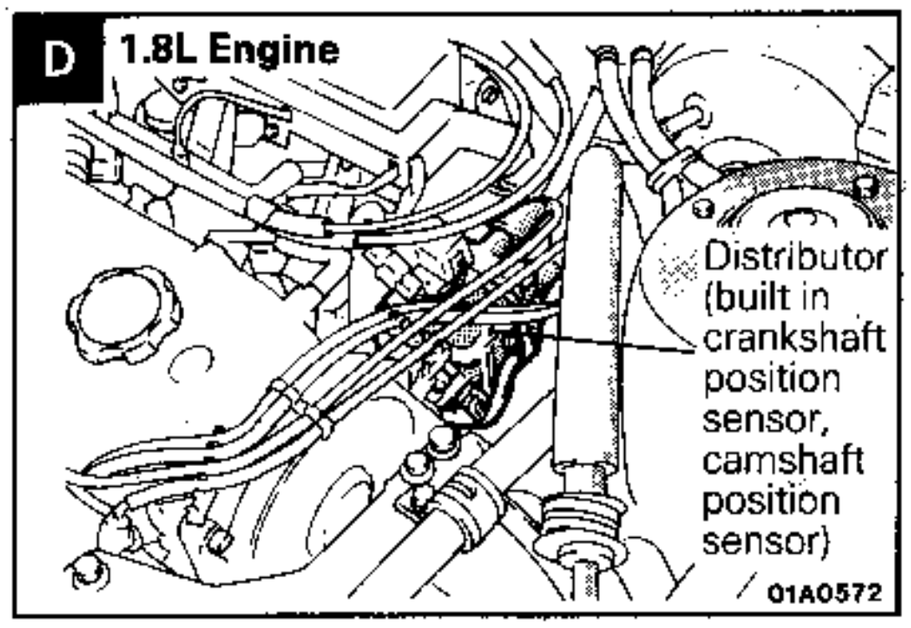
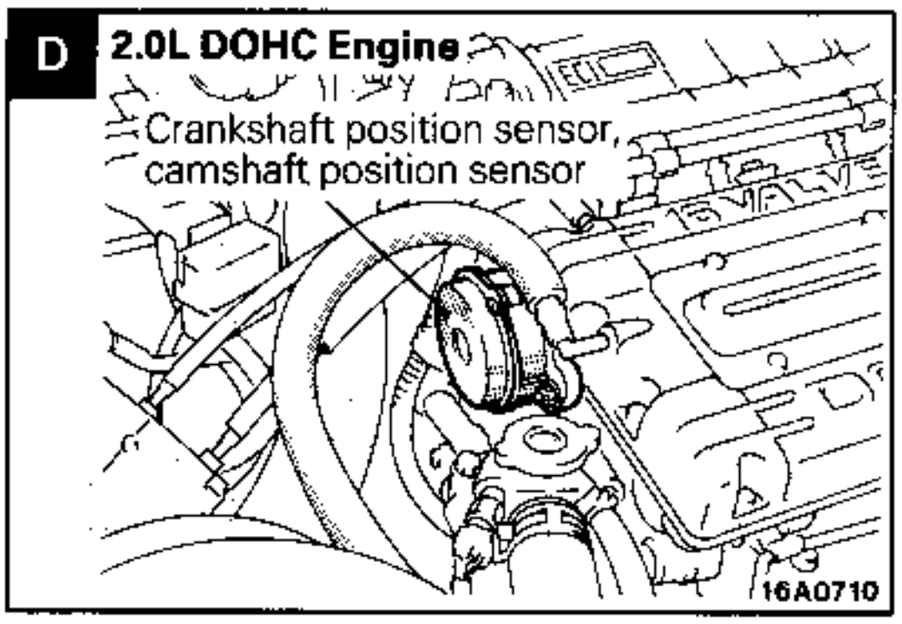


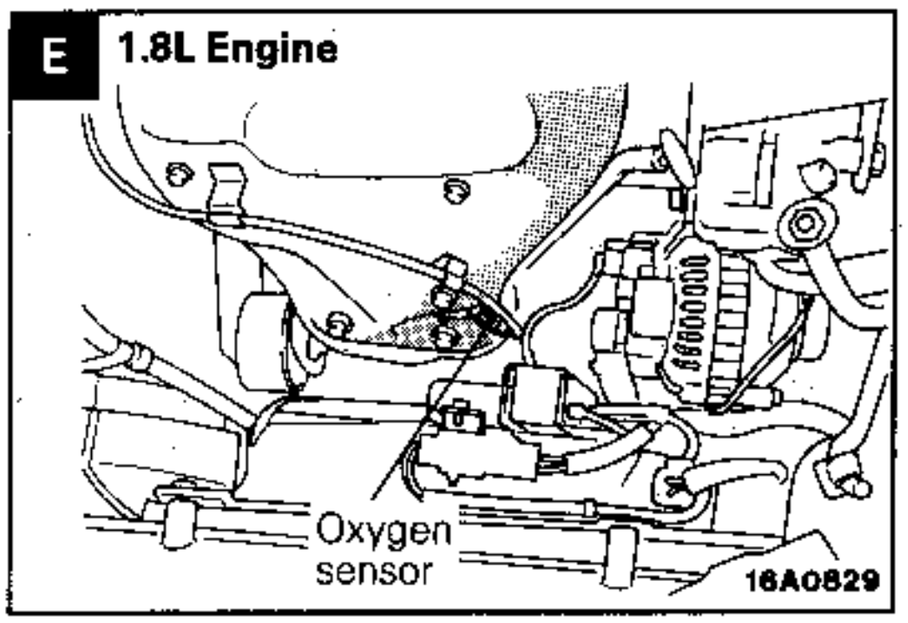
D 1.8L Engine



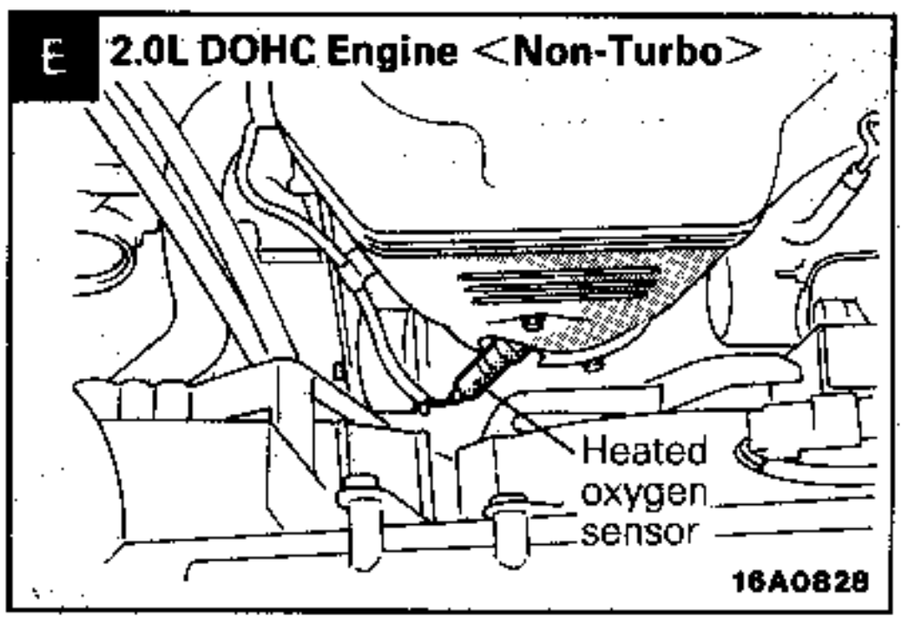
D 2.0L DOHC Engine



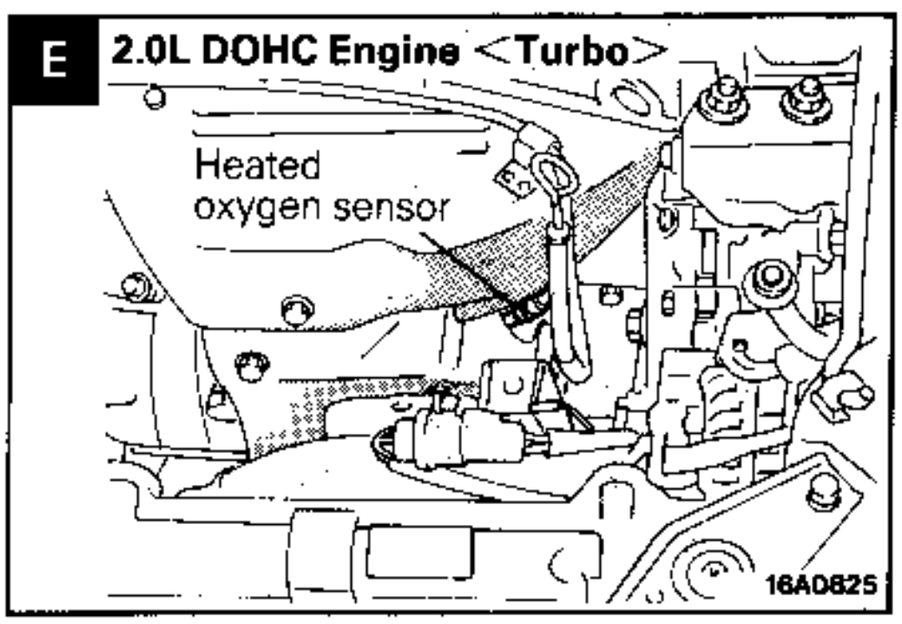
E 1.8L Engine



E 2.0L DOHC Engine <Non-Turbo>

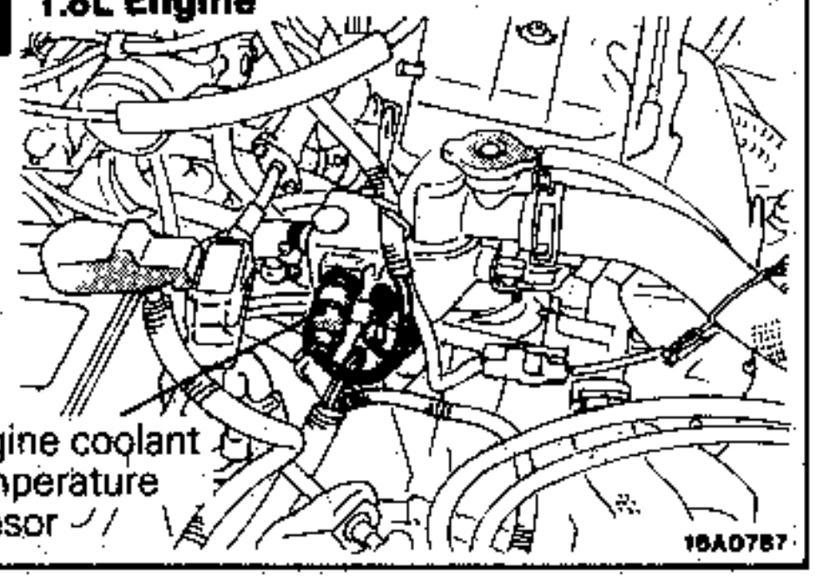


E 2.0L DOHC Engine <Turbo>

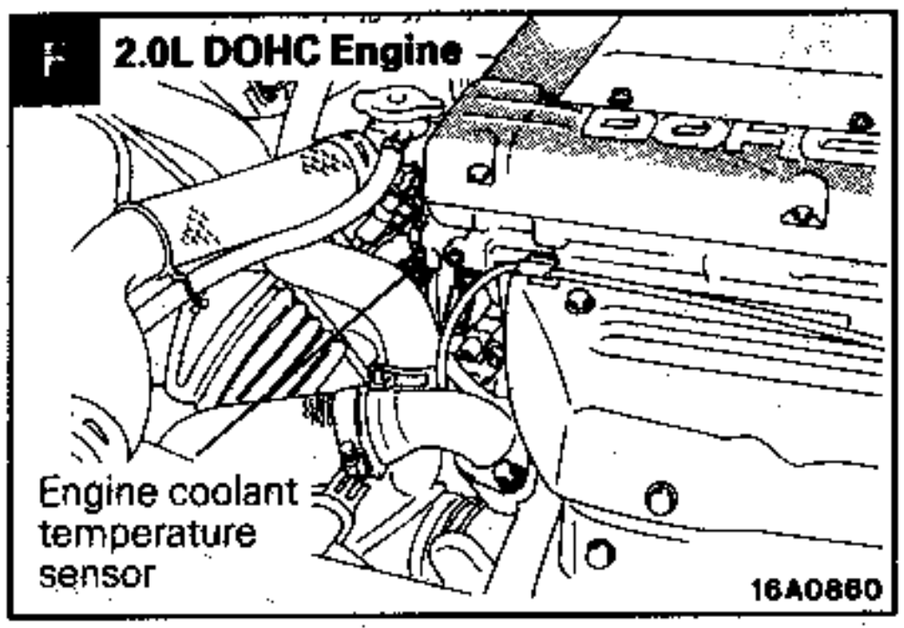


TSB Revision

F 1.8L Engine



F 2.0L DOHC Engine



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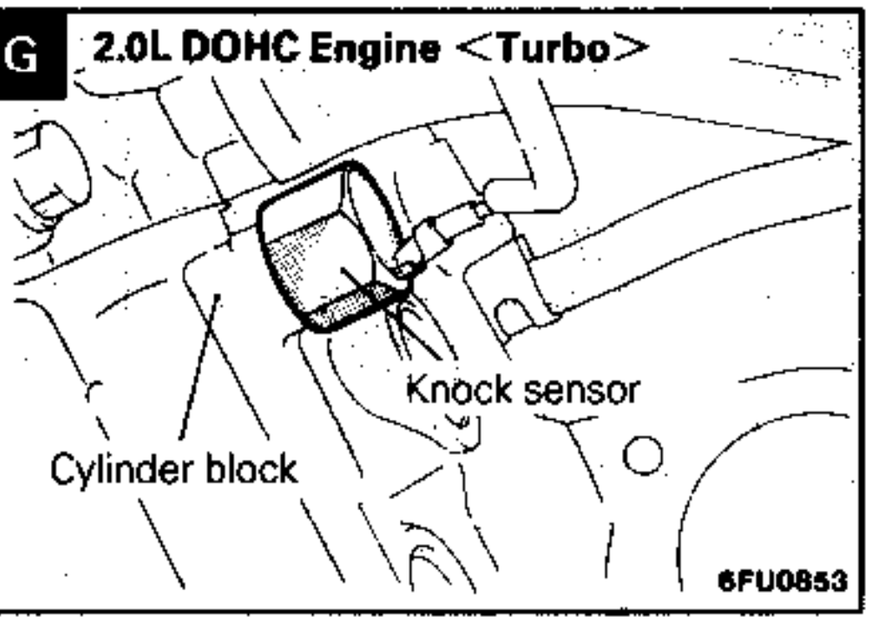
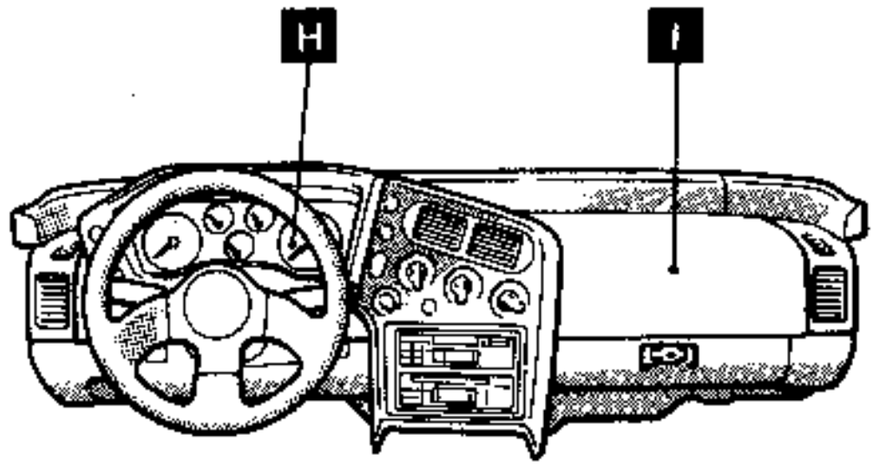


Interior



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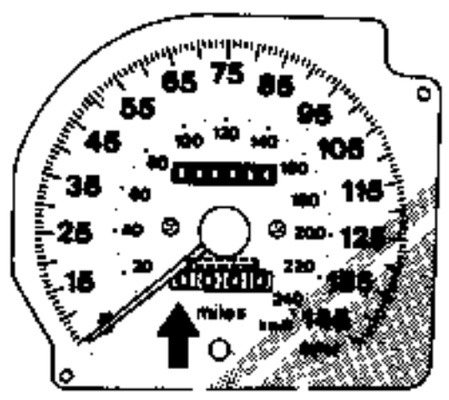

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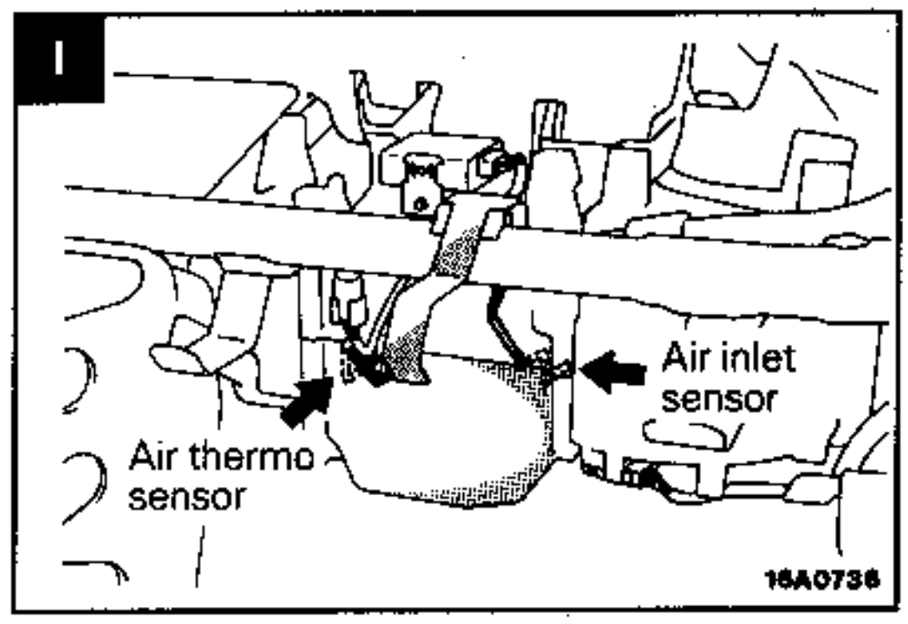
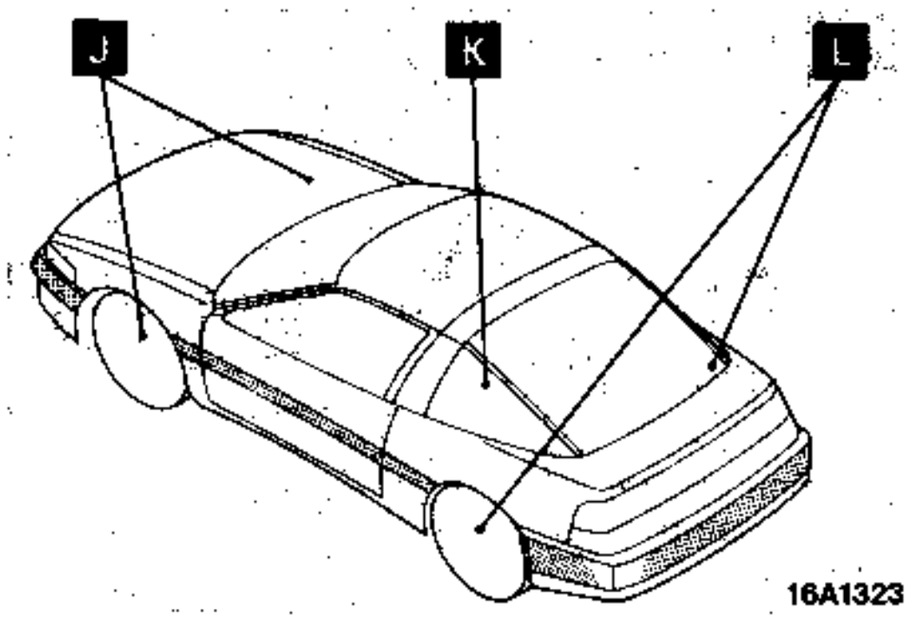
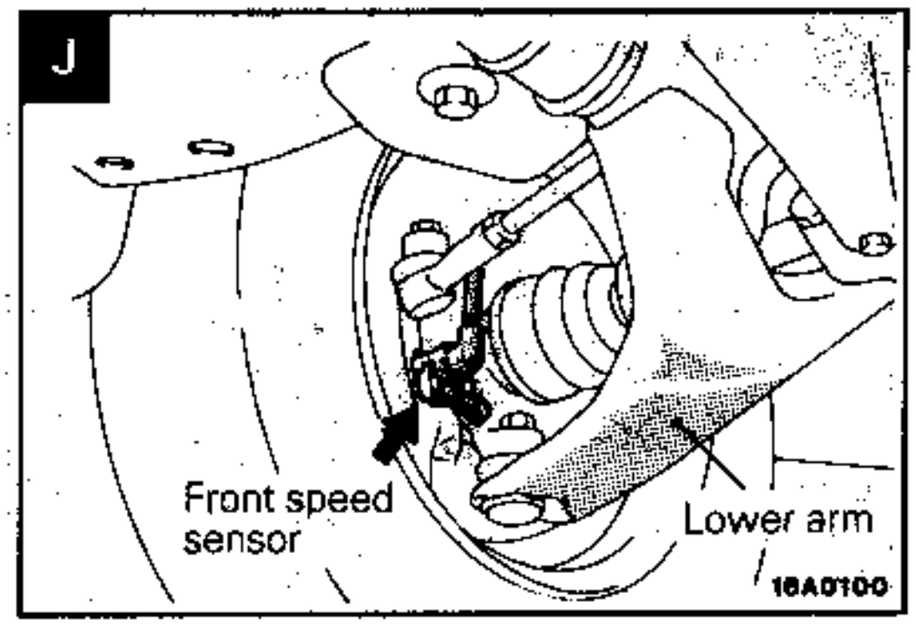
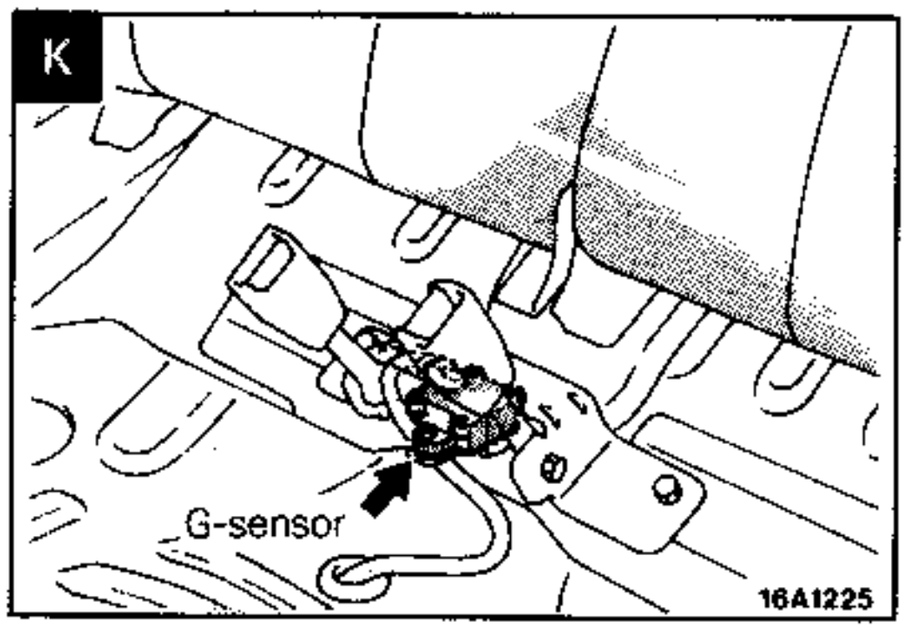
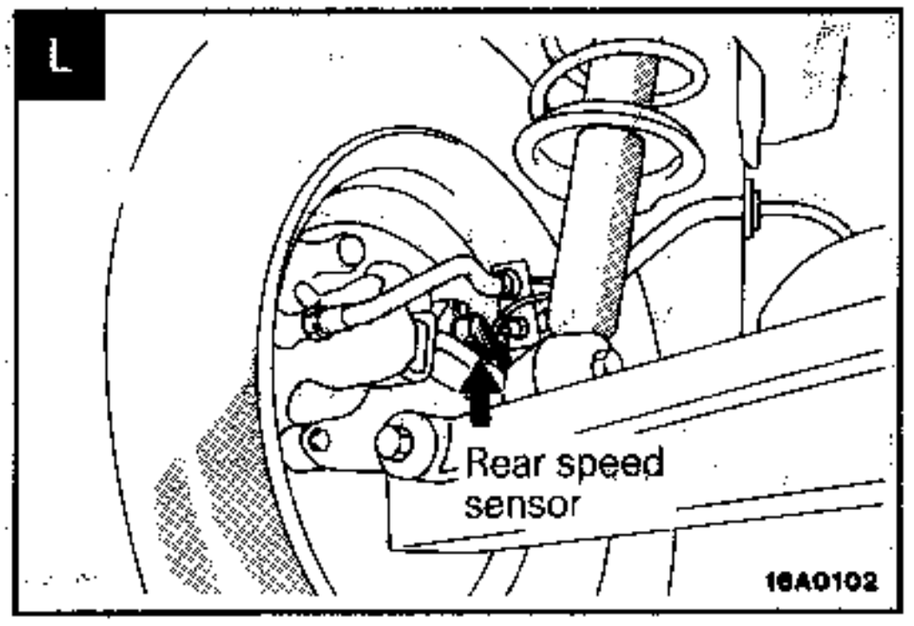


TSB Revision









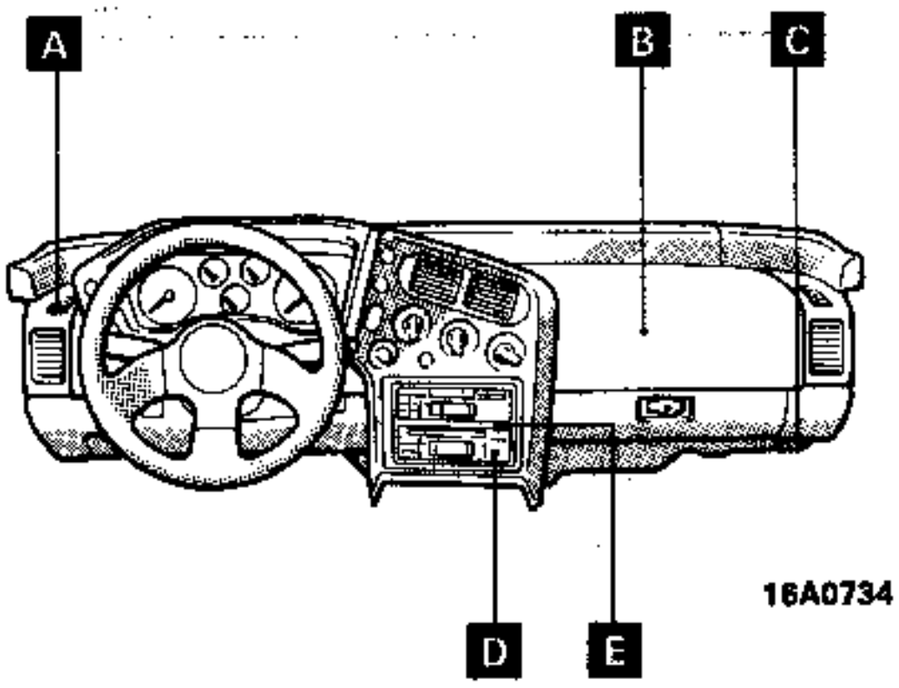
TSB Revision

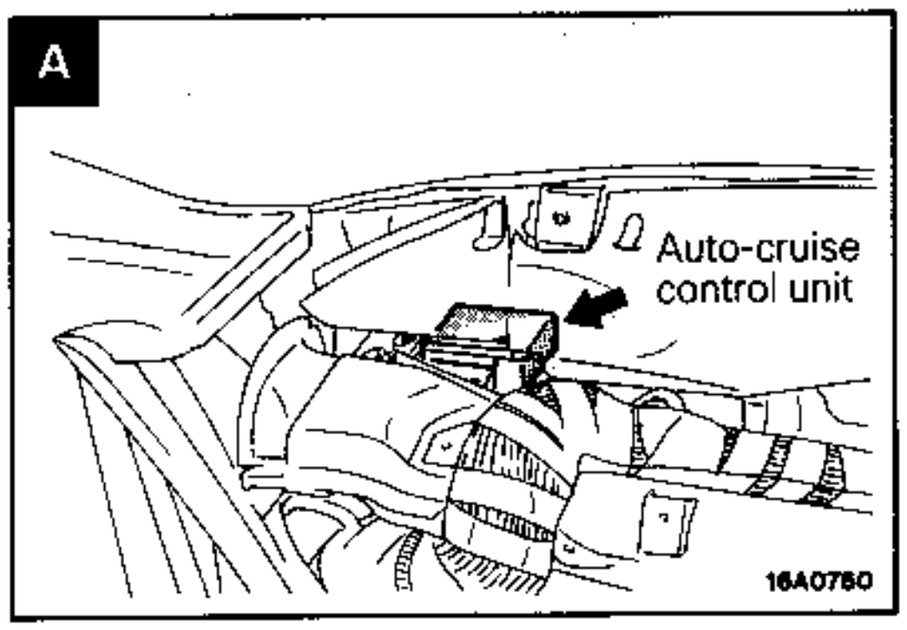
CONTROL UNIT LOCATION

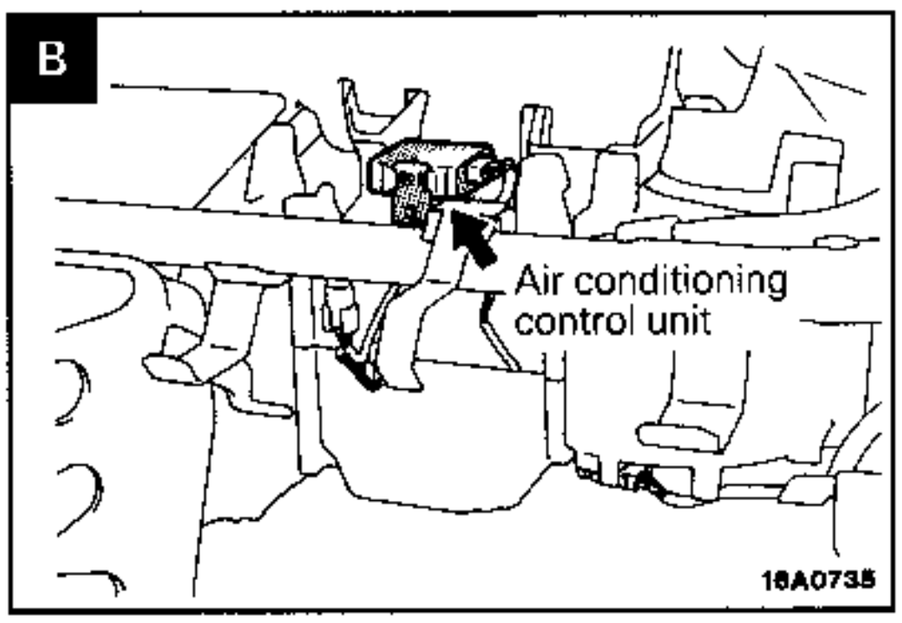
Name	Symbol
4-speed automatic transaxle control module	D
Air conditioning control unit	B
Anti-lock brake control unit	G
Automatic seat belt control unit	F
Door lock control unit	C
Engine control module	E
Auto-cruise control unit	A

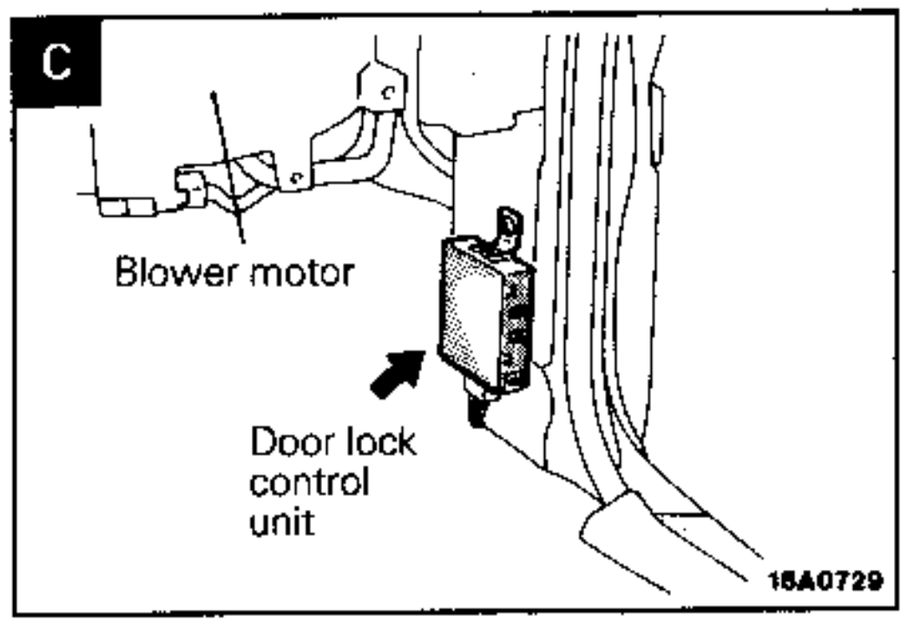
NOTE
The "Name" column is arranged in alphabetical order.

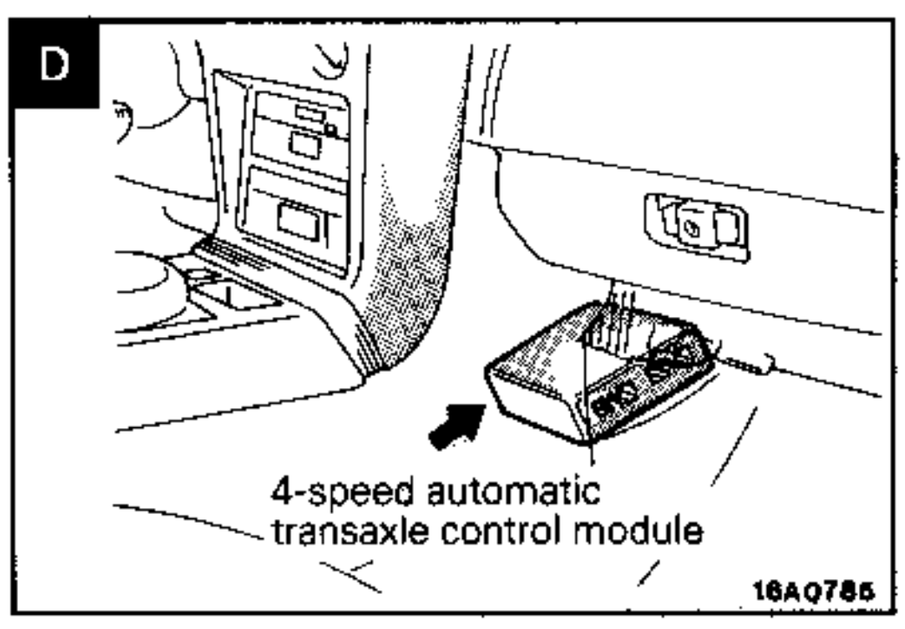
Interior

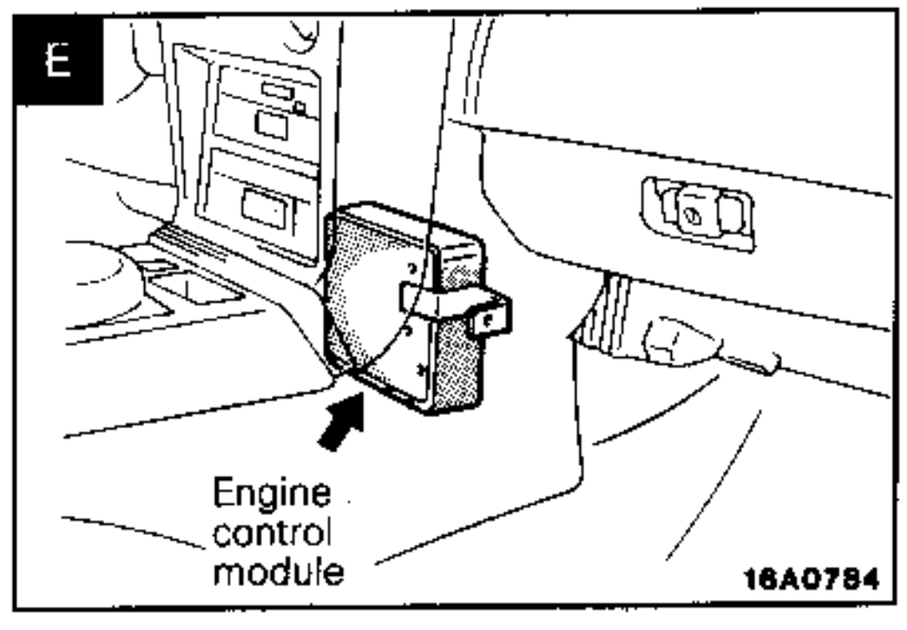




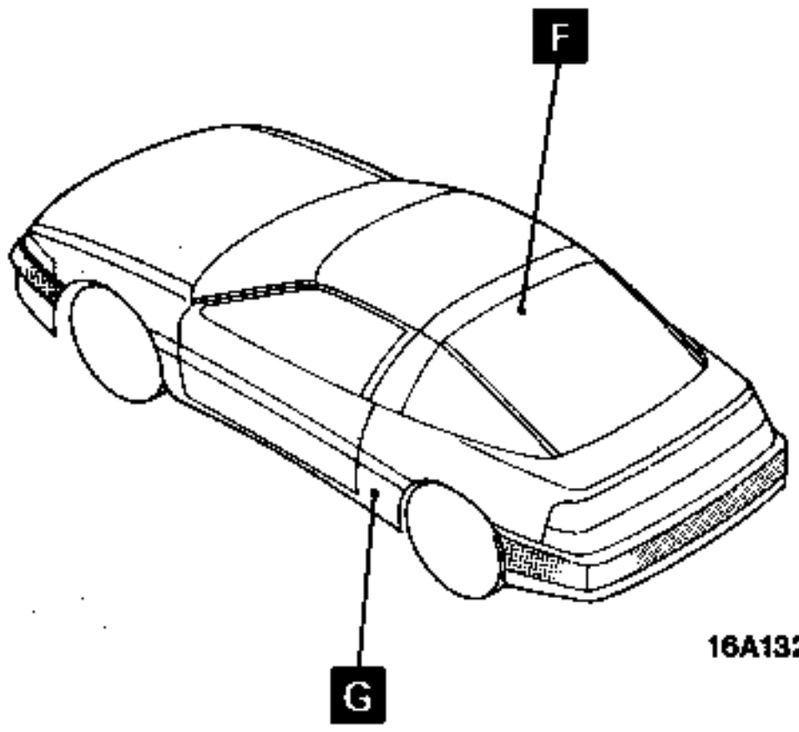


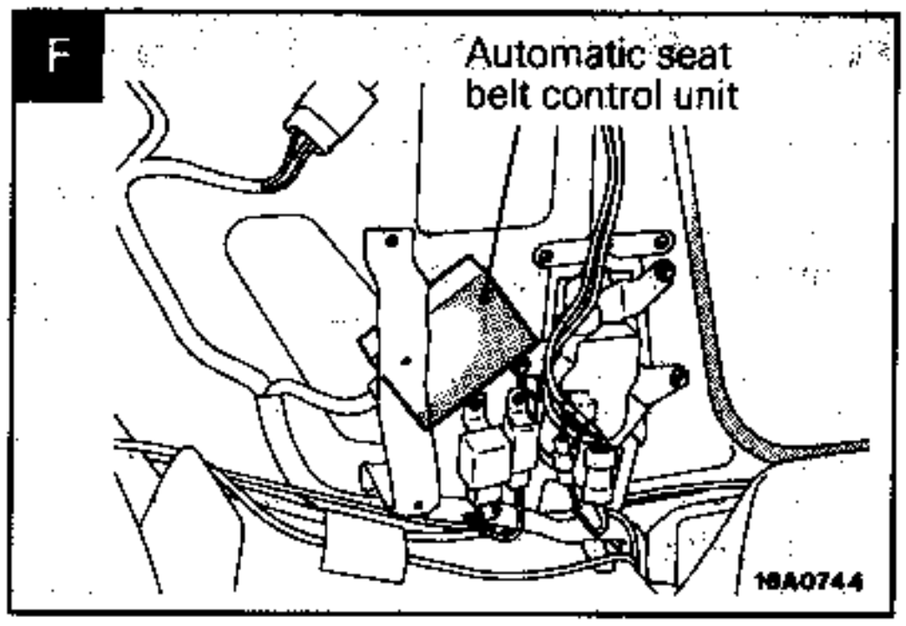


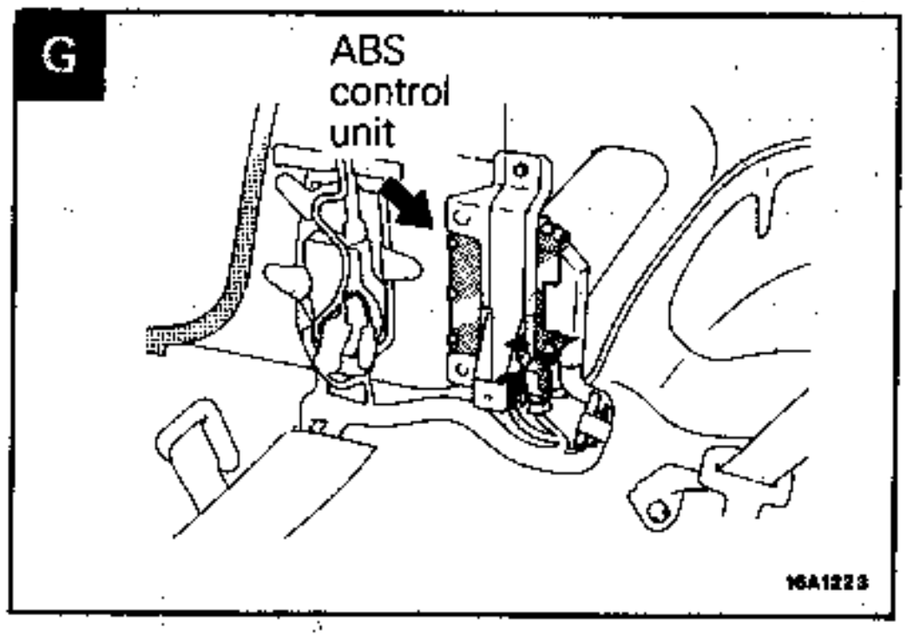




TSB Revision







TSB Revision

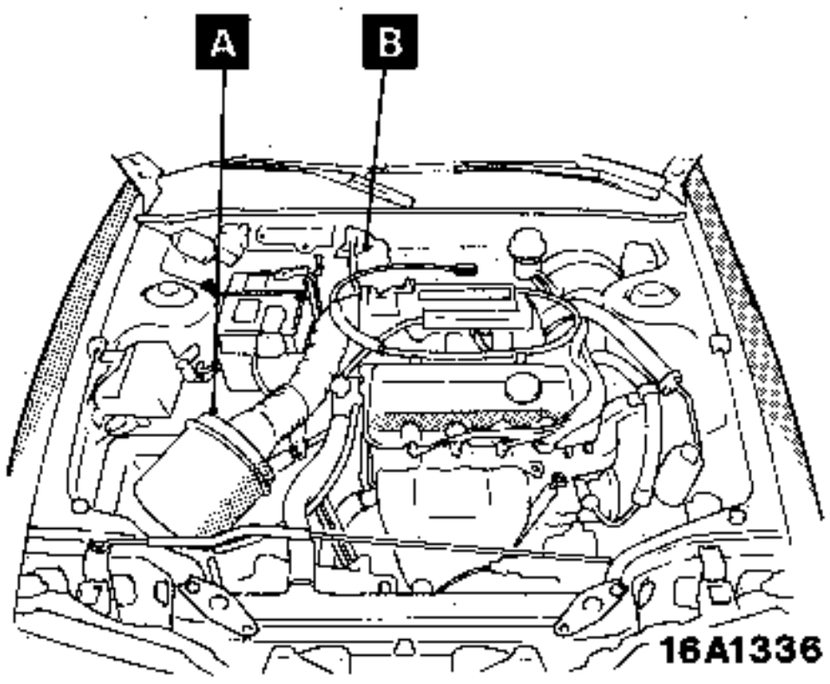
SOLENOID, SOLENOID VALVE LOCATION

Name	Symbol
4-speed automatic transaxle control solenoid valve	A
EGR solenoid	B
Evaporative emission purge solenoid	B, C
Fuel pressure solenoid	C
Turbocharger waste gate solenoid	C

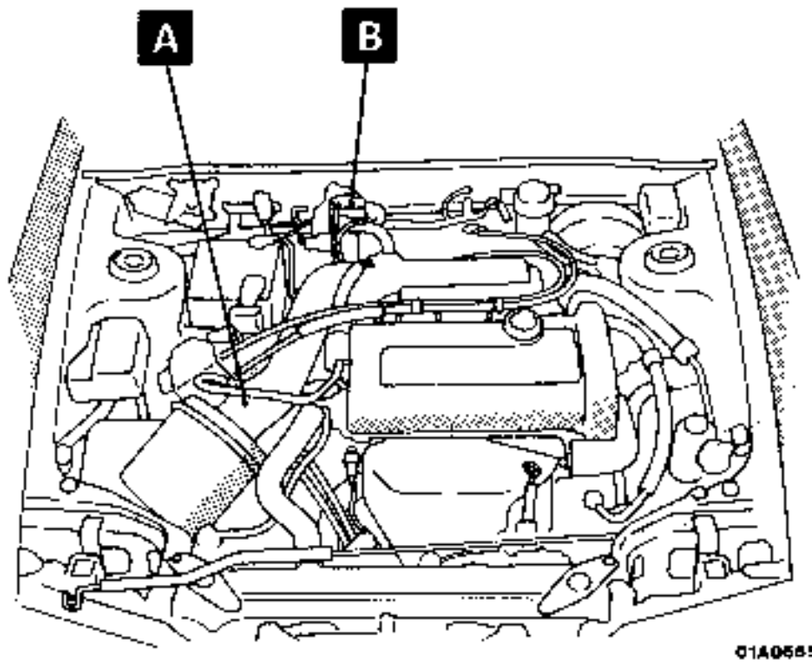
NOTE
The "Name" column is arranged in alphabetical order.

Engine compartment

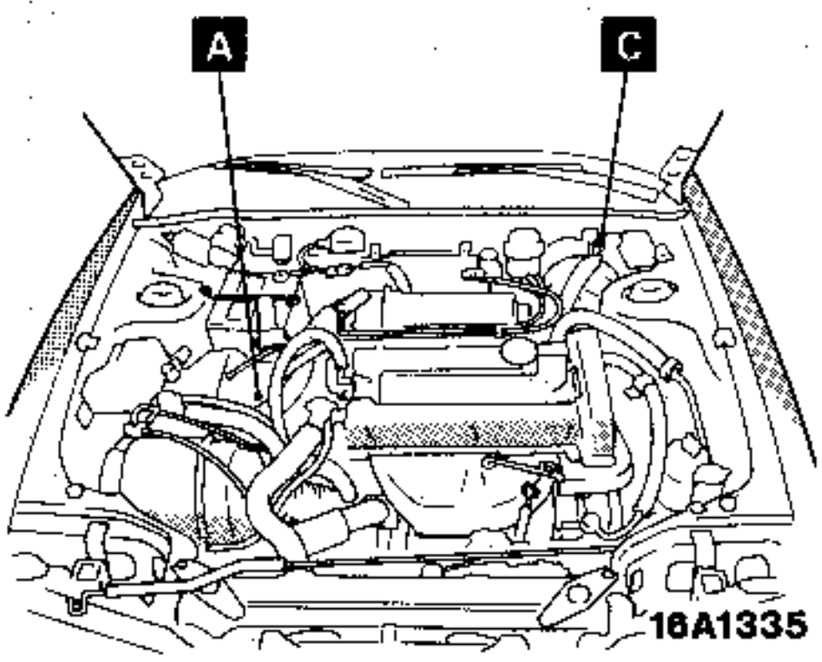
1.8L Engine

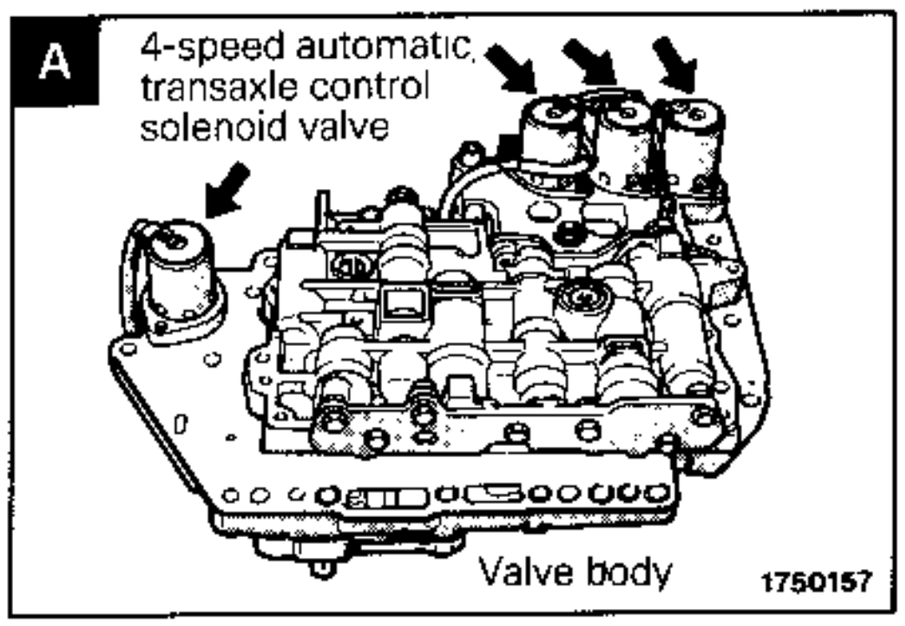


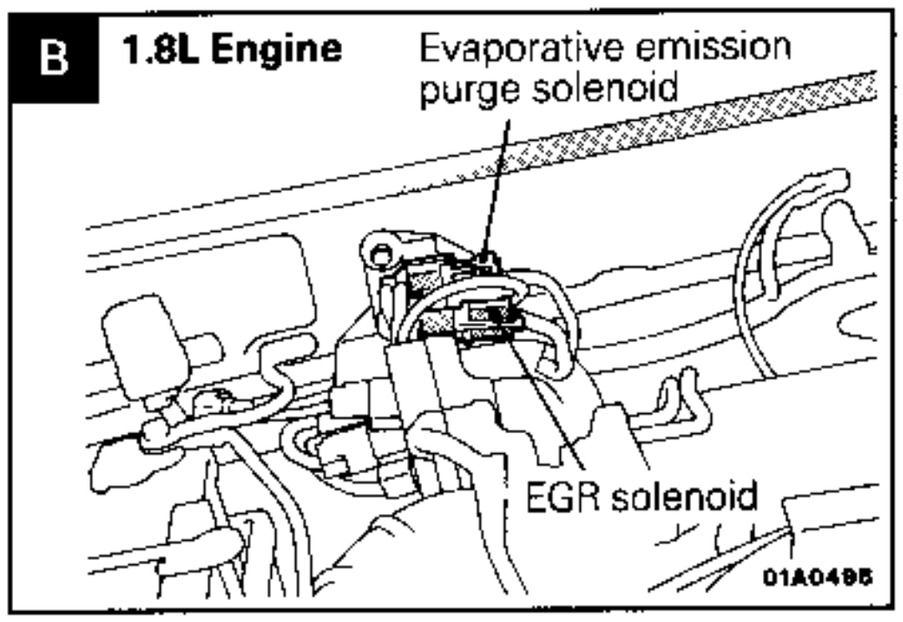
2.0L DOHC Engine <Non-Turbo>



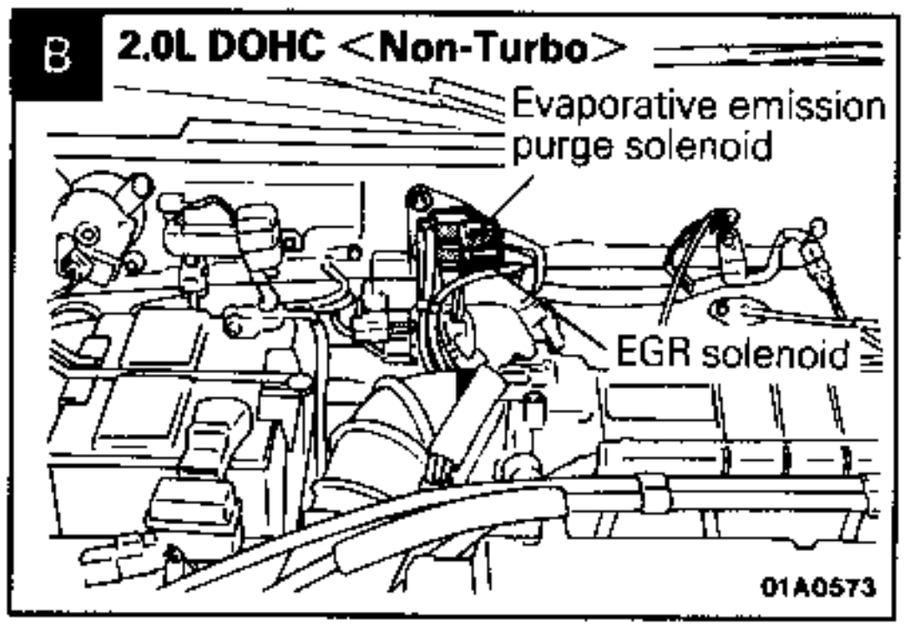
2.0L DOHC Engine <Turbo>

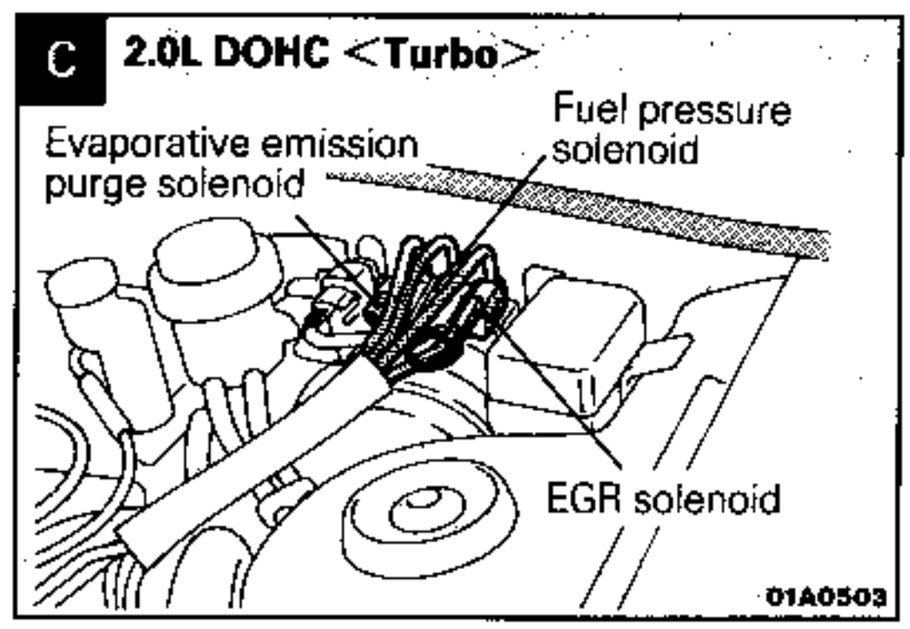






TSB Revision



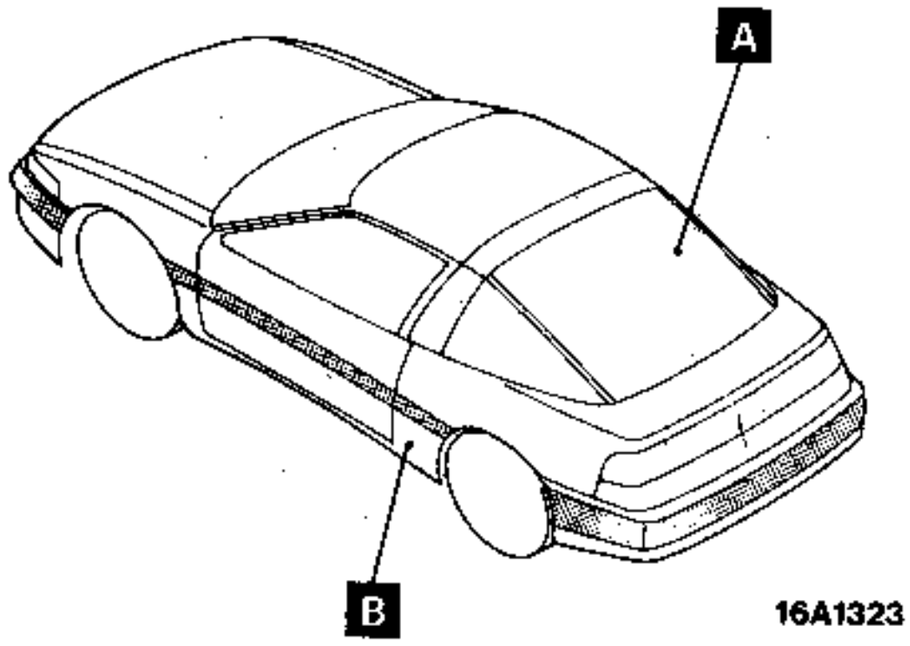


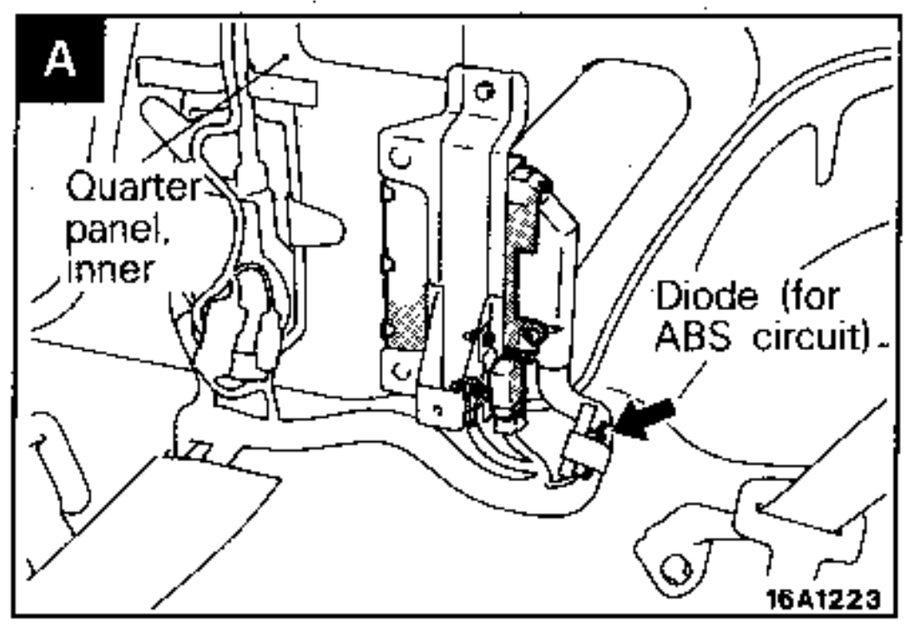
DIODE LOCATION

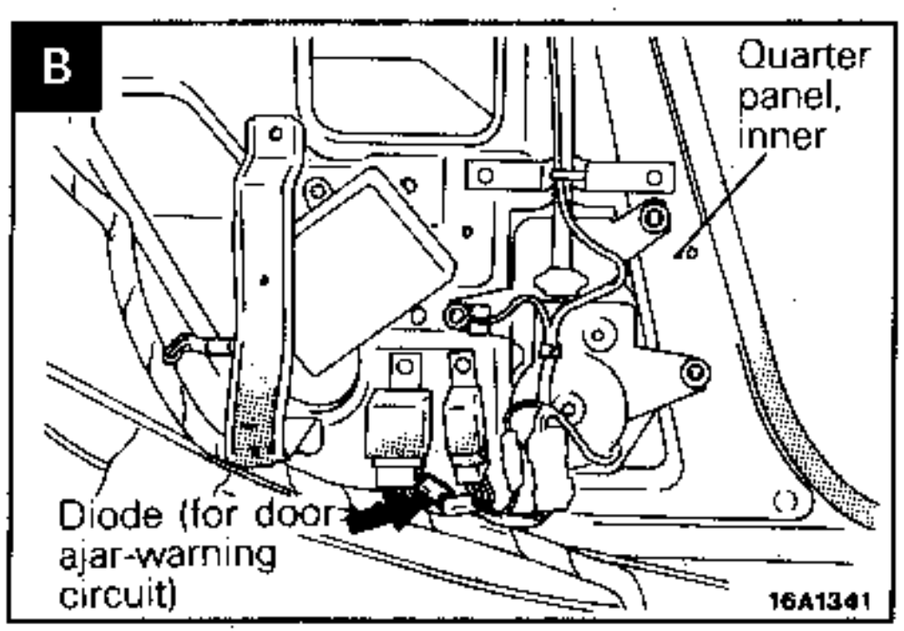
<Interior-Rear section>

Name	Symbol
Diode (for ABS circuit)	A
Diode (for door ajar-warning circuit)	B

NOTE
The "Name" column is arranged in alphabetical order.



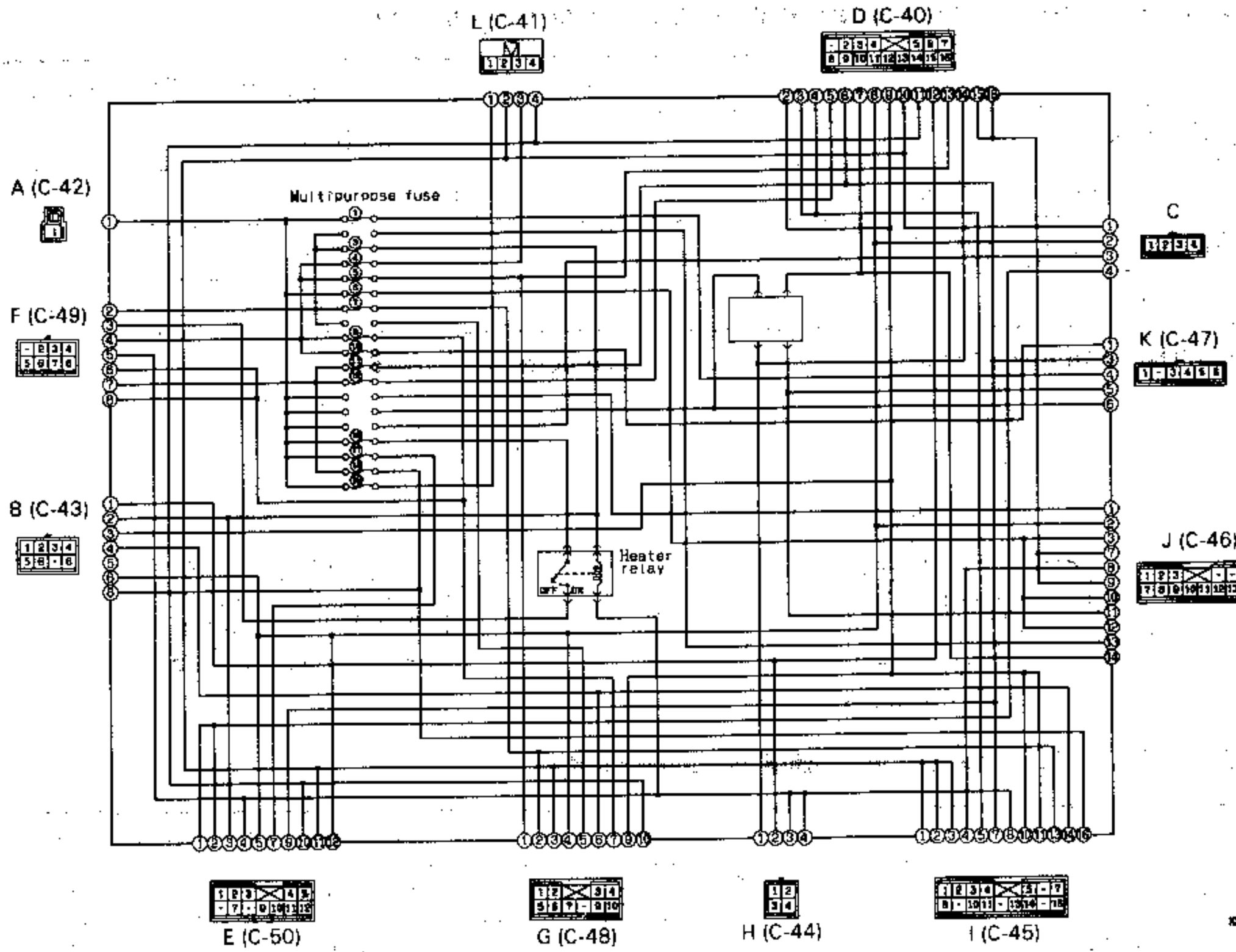


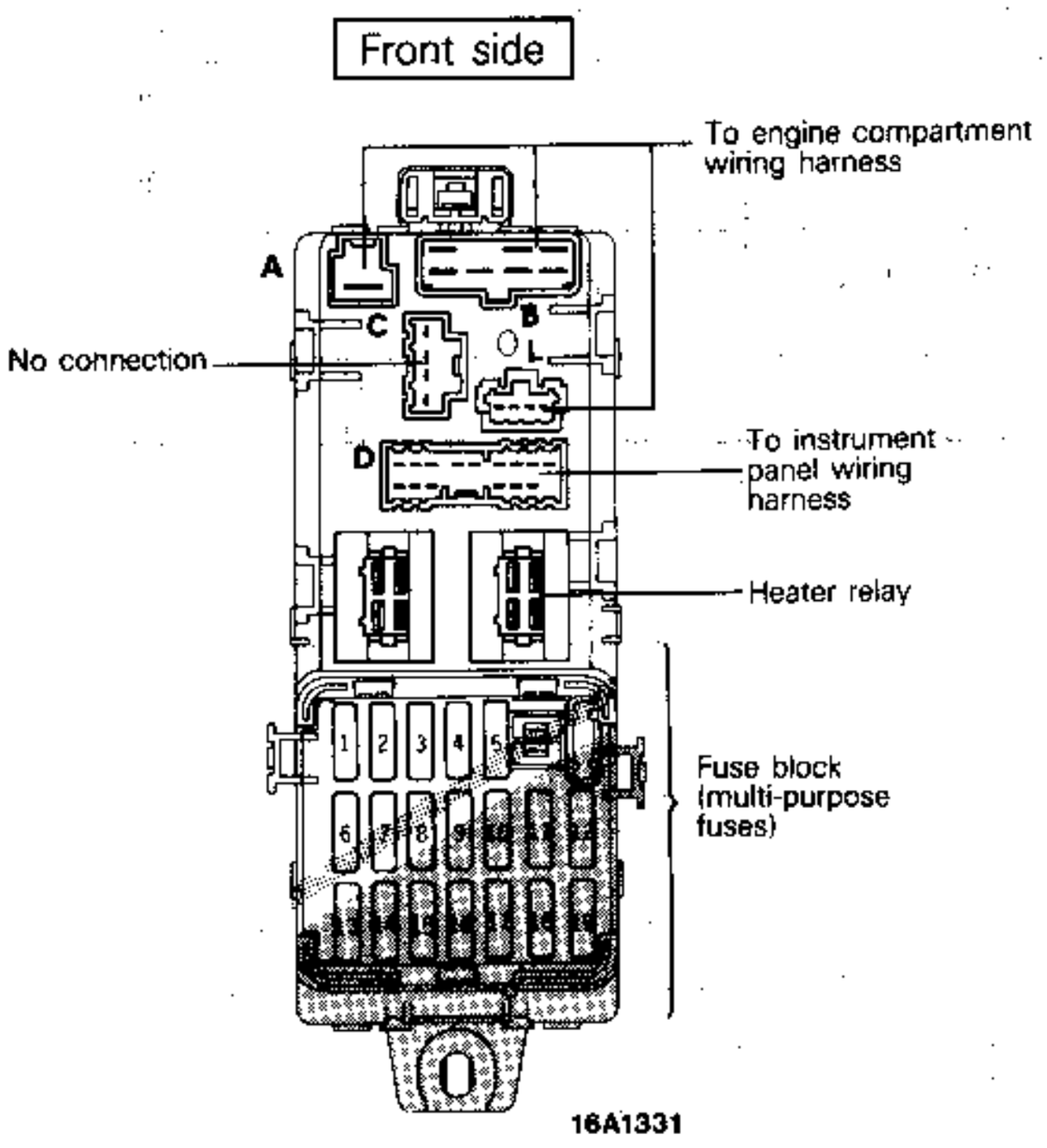


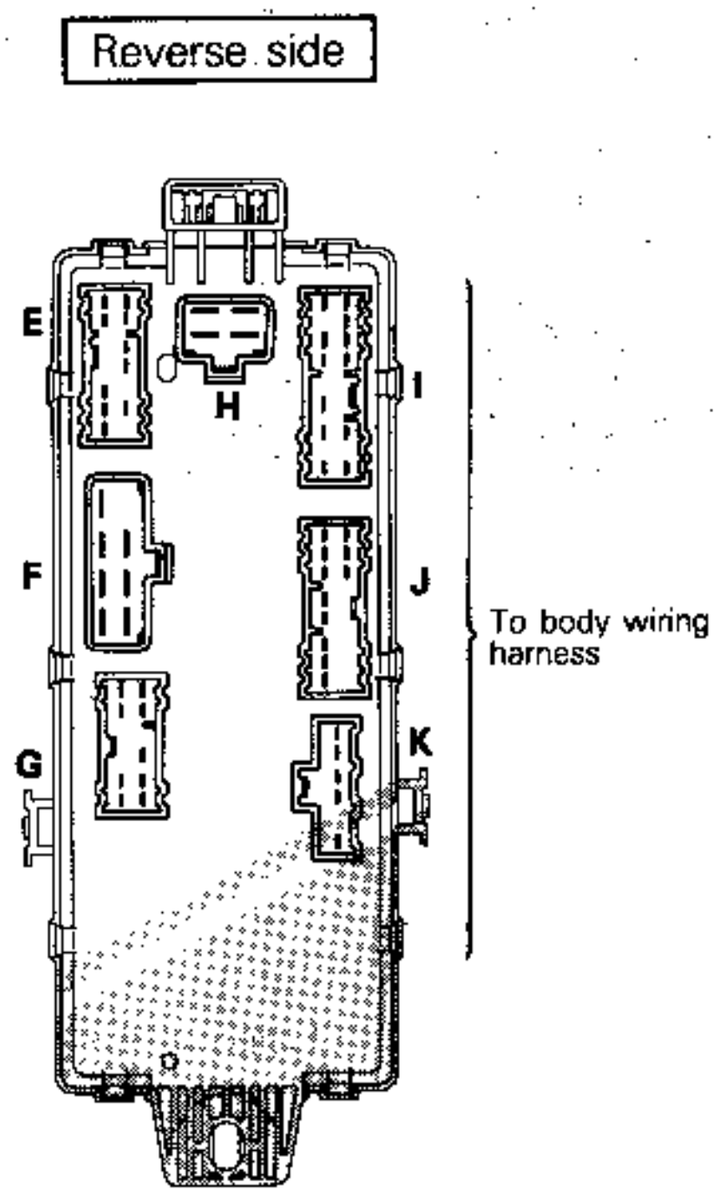
TSB Revision

JUNCTION BLOCK

M168C–







Remarks
(1) Same alphabets in the diagram indicate the counterparts of connectors.
(2) Terminals of the harness side connector are indicated in parentheses ( ).

TSB Revision

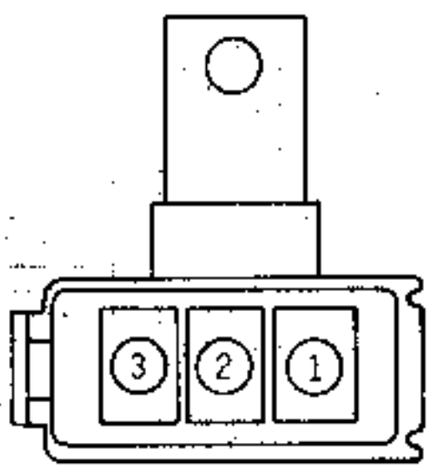
CENTRALIZED JUNCTION

M1688

MAIN FUSIBLE LINK (direct connection to battery's positive ⊕ terminal)

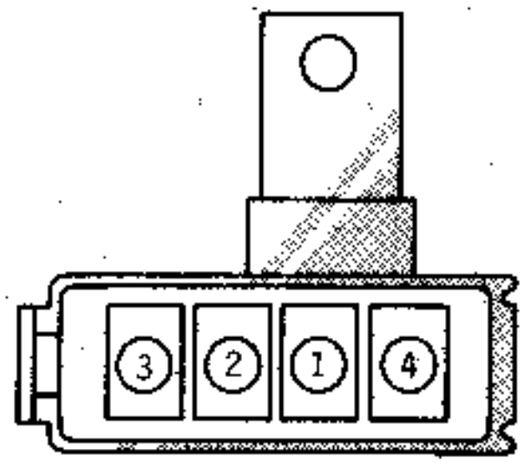
No.	Circuit	Housing color	Rated capacity (A)
1	MFI circuit	Blue	20
2	Radiator fan motor circuit	Pink	30
3	Ignition switch circuit	Pink	30
4	ABS circuit	Yellow	60

<Vehicles without ABS>



16A0893

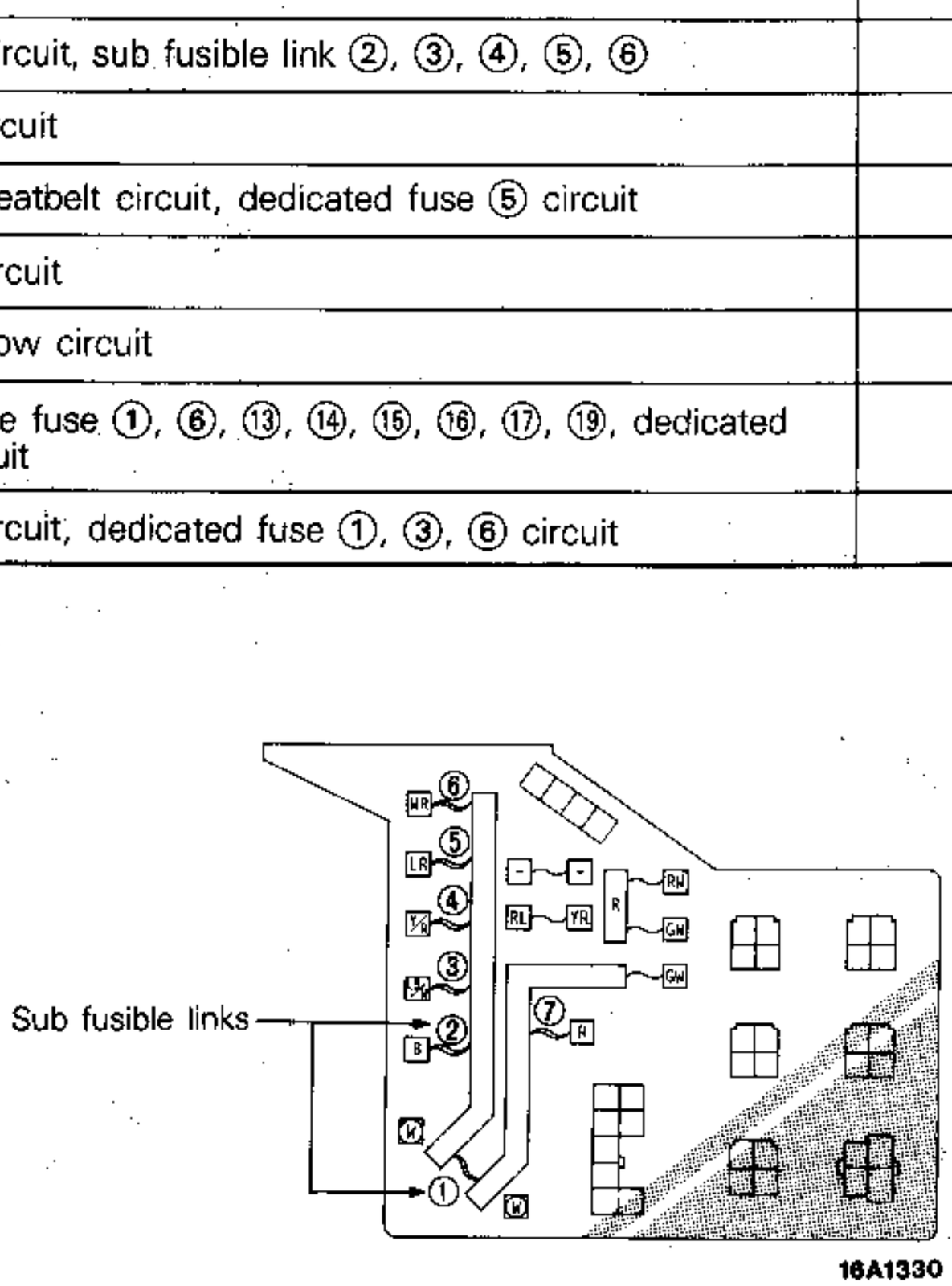
<Vehicles with ABS>



16A1197

SUB FUSIBLE LINK (relay box inside engine compartment)

No.	Circuit	Housing color	Rated capacity (A)
1	Generator circuit, sub fusible link ②, ③, ④, ⑤, ⑥	Black	80
2	Defogger circuit	Green	40
3	Automatic seatbelt circuit, dedicated fuse ⑤ circuit	Pink	30
4	Generator circuit	Pink	30
5	Power window circuit	Pink	30
6	Multi-purpose fuse ①, ⑥, ⑬, ⑭, ⑮, ⑯, ⑰, ⑲, dedicated fuse ④ circuit	Green	40
7	Headlight circuit, dedicated fuse ①, ③, ⑥ circuit	Green	40

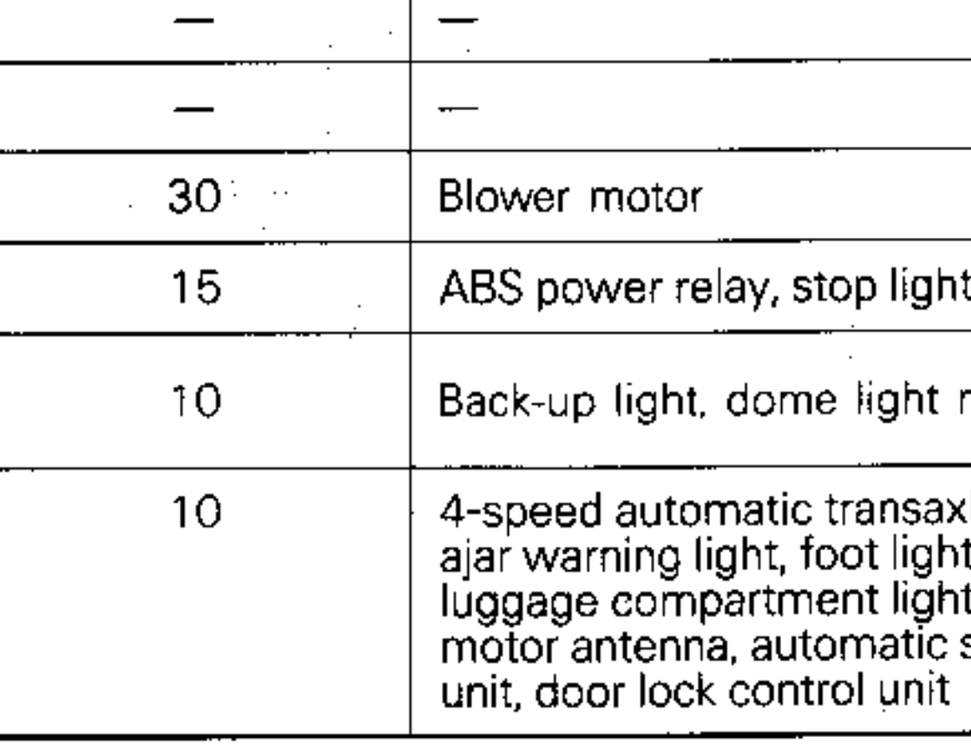


16A1330

TSB Revision

MULTI-PURPOSE FUSE (inside junction block)

Power supply circuit		No.	Rated capacity (A)	Load circuit
Battery		1	10	Automatic seat belt control unit, buzzer assembly, fog light relay, key reminder switch
Ignition switch	IG_2	2	—	—
		3	10	Air conditioning control unit, air conditioning switch, blower switch, defogger timer, heater relay, power window relay, ABS relay
	ACC	4	10	Radio, motor antenna
		5	15	Cigarette lighter, remote controlled mirror
Battery		6	15	Door lock relay, door lock control unit
Ignition switch	IG_2	7	10	A/T fluid temperature warning light, 4-speed automatic transaxle control module, auto-cruise control unit <A/T>
		8	—	—
	ACC	9	15	Intermittent wiper relay, wiper motor, washer motor
		10	10	Headlight relay, horn
	IG_1	11	10	Auto-cruise control unit, auto-cruise control actuator, automatic seat belt control unit, buzzer assembly, combination meter, motor antenna, seat belt warning light
		12	10	Turn-signal and hazard flasher unit
Battery		13	—	—
		14	—	—
		15	—	—
		16	30	Blower motor
		17	15	ABS power relay, stop light
Ignition switch	IG_1	18	10	Back-up light, dome light relay
Battery		19	10	4-speed automatic transaxle control module, dome light, door-ajar warning light, foot light, ignition key illumination light, luggage compartment light, MFI control unit, radio, ABS relay, motor antenna, automatic seat belt control unit, ABS control unit, door lock control unit



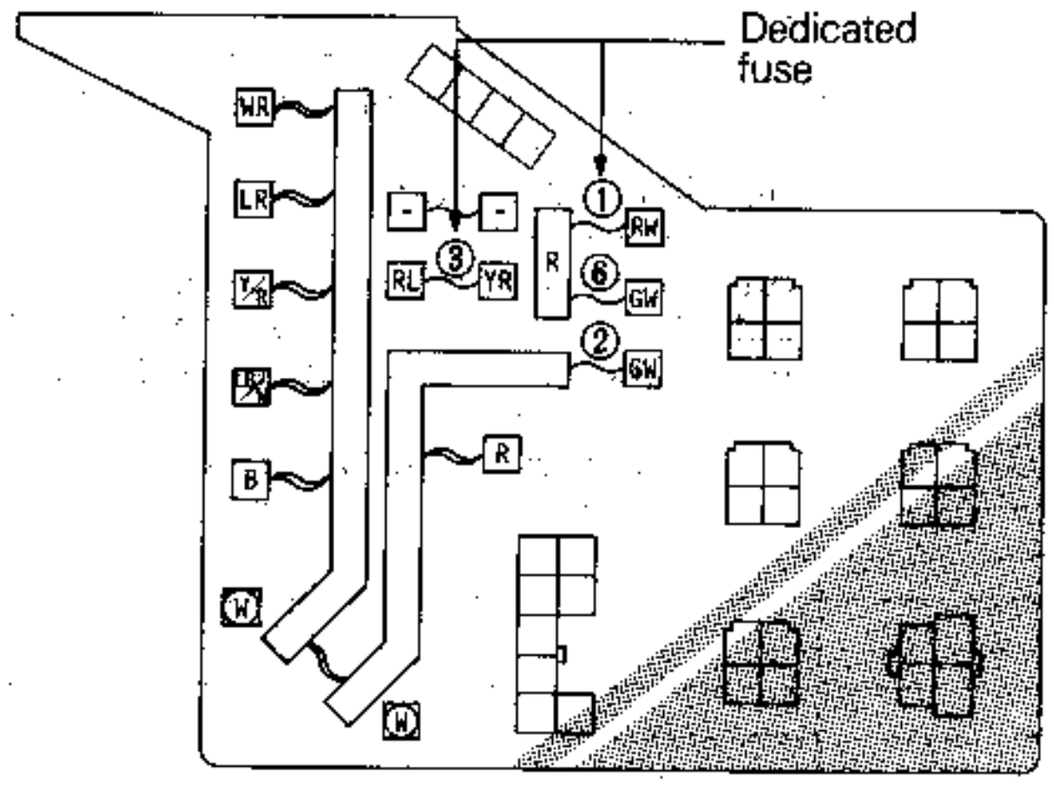
16A0805

TSB Revision

DEDICATED FUSE

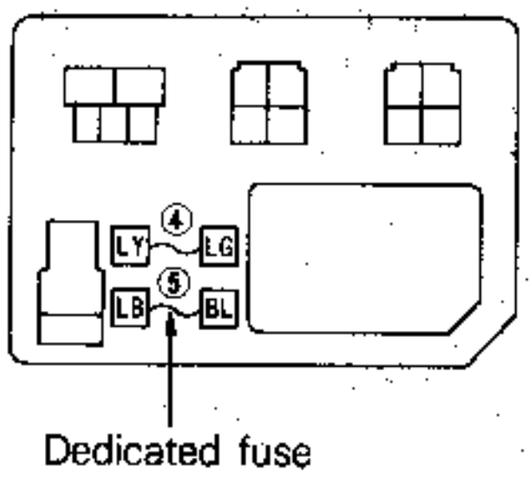
Power supply circuit	No.	Rated capacity (A)	Housing color	Circuit
Sub fusible link ⑦	1	10	Red	Taillight circuit
Battery	2	10	Red	Hazard warning light circuit
Headlight relay	3	10	Red	Upper beam circuit
Sub fusible link ⑥	4	10	Red	Air conditioning magnetic clutch circuit
Sub fusible link ③	5	20	Yellow	Condenser fan motor circuit
Sub fusible link ⑦	6	15	Blue	Fog light circuit

<Engine compartment R.H. side relay box>



16A1330

<Engine compartment L.H. side relay box (air conditioning equipped models)>



16A0896

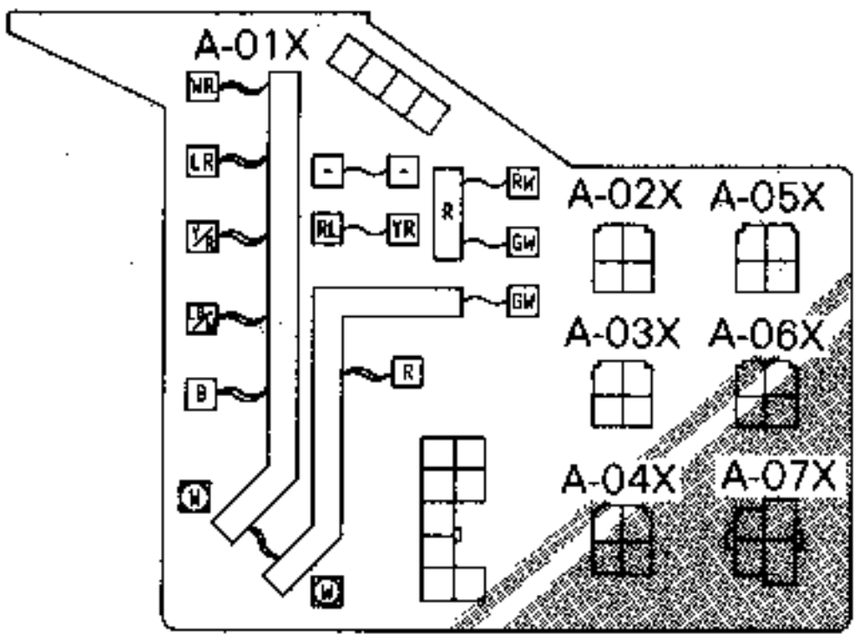
TSB Revision

CENTRALIZED RELAY

Classification		Name	Classification		Name
Engine compartment R.H. side relay box	A-01X	IOD or storage connector	Engine compartment L.H. side relay box	A-17X	Condenser fan motor high-low changeover relay
	A-02X	Taillight relay		A-18X	Condenser fan motor relay
	A-03X	Headlight relay		A-19X	Magnetic clutch relay
	A-04X	Power window relay	Interior relay box	C-31X	Door lock relay
	A-05X	Fog light relay		C-32X	Starter relay <M/T>
	A-06X	Radiator fan motor relay		C-33X	Defogger timer
	A-07X	Generator relay			

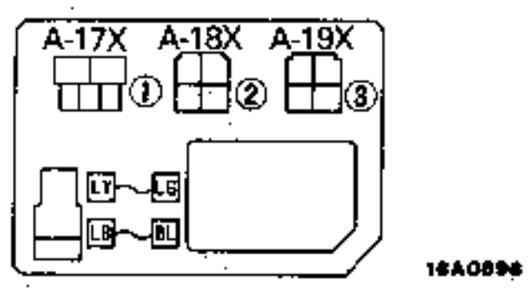
NOTE
IOD: Ignition Off Draw

<Engine compartment R.H. side relay box>



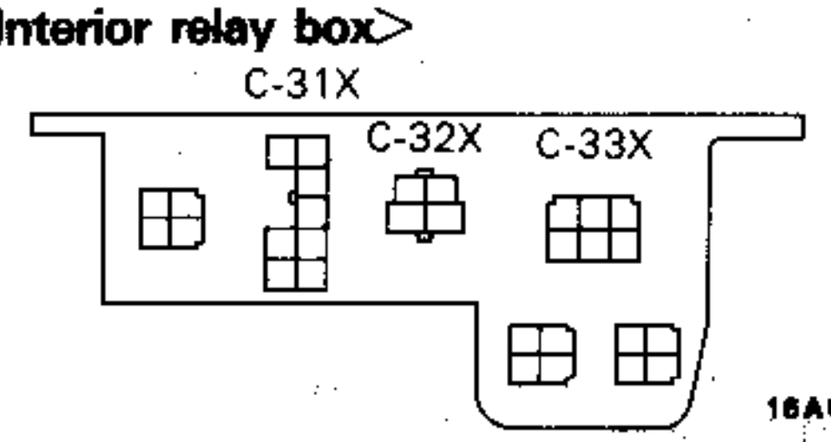
16A1330

<Engine compartment L.H. side relay box (air conditioning equipped models)>



16A0894

<Interior relay box>



16A0892

TSB Revision

CONFIGURATION DIAGRAMS

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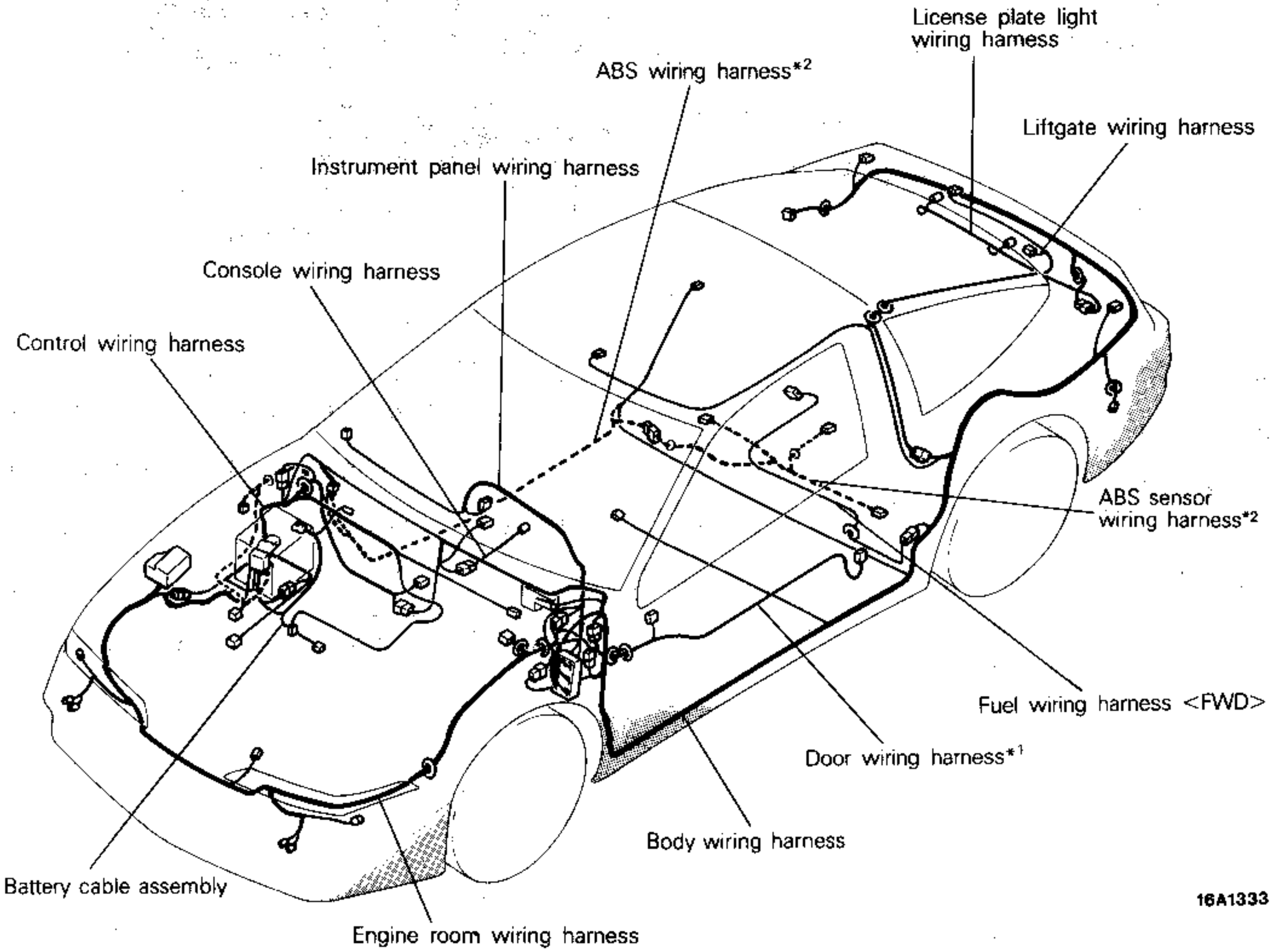
CONFIGURATION DIAGRAMS

OVERALL CONFIGURATION DIAGRAM

M16VB--



16A1333

NOTE
(1) This illustration shows only the major wiring harness.
(2) *1 indicates also equipped at the right side.
(3) *2 indicates vehicles with ABS.

TSB Revision

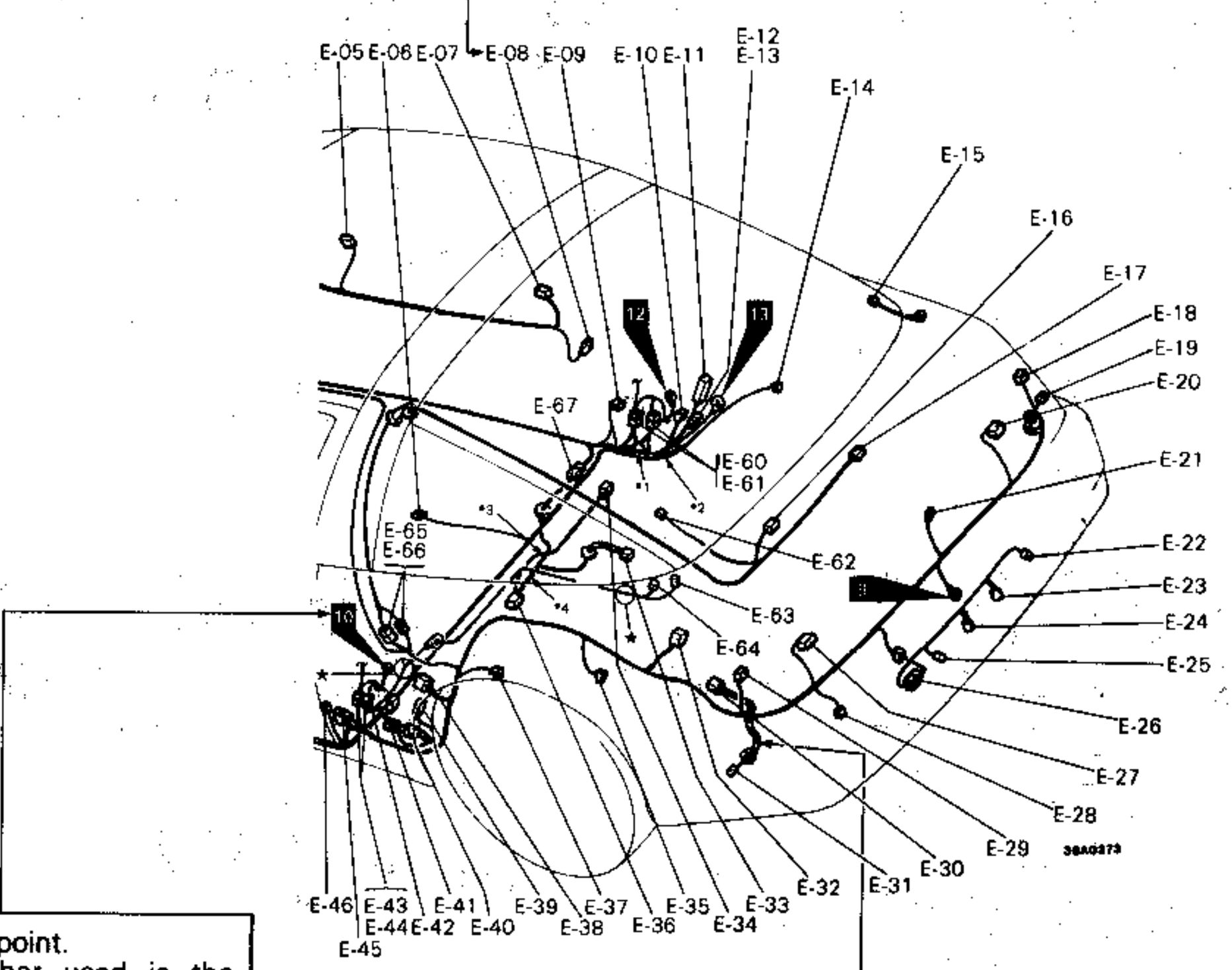
HOW TO READ CONFIGURATION DIAGRAMS

M16YCAI

The wiring diagrams are prepared in such a way that the arrangement of connectors for each vehicle, and the routing of each harness, can be easily understood for each individual wiring section.

Indicates the connector number.
The connector number used is the same number as that used for circuit diagrams; these numbers facilitate the location of the connector positions.
The alphabet letter used as the prefix represents the wiring section in which that connector is used; subsequent numerals make up the number that indicates particular characteristics of that individual connector. As a general rule, numbers are assigned clockwise around the wiring diagram.
Note that, if there is a concentration of connectors with the same form (same number of pins), the connnectors' colors are noted in order to facilitate identification.

Example: A-12 (Black)
- A: Symbol indicating wiring section location of the connector
  - A: Engine compartment
  - B: Engine and transaxle
  - C: Dash panel
  - D: Instrument panel and floor console
  - E: Interior
- 12: Number indicating the connector's characteristics (series number)
- Black: Connector color



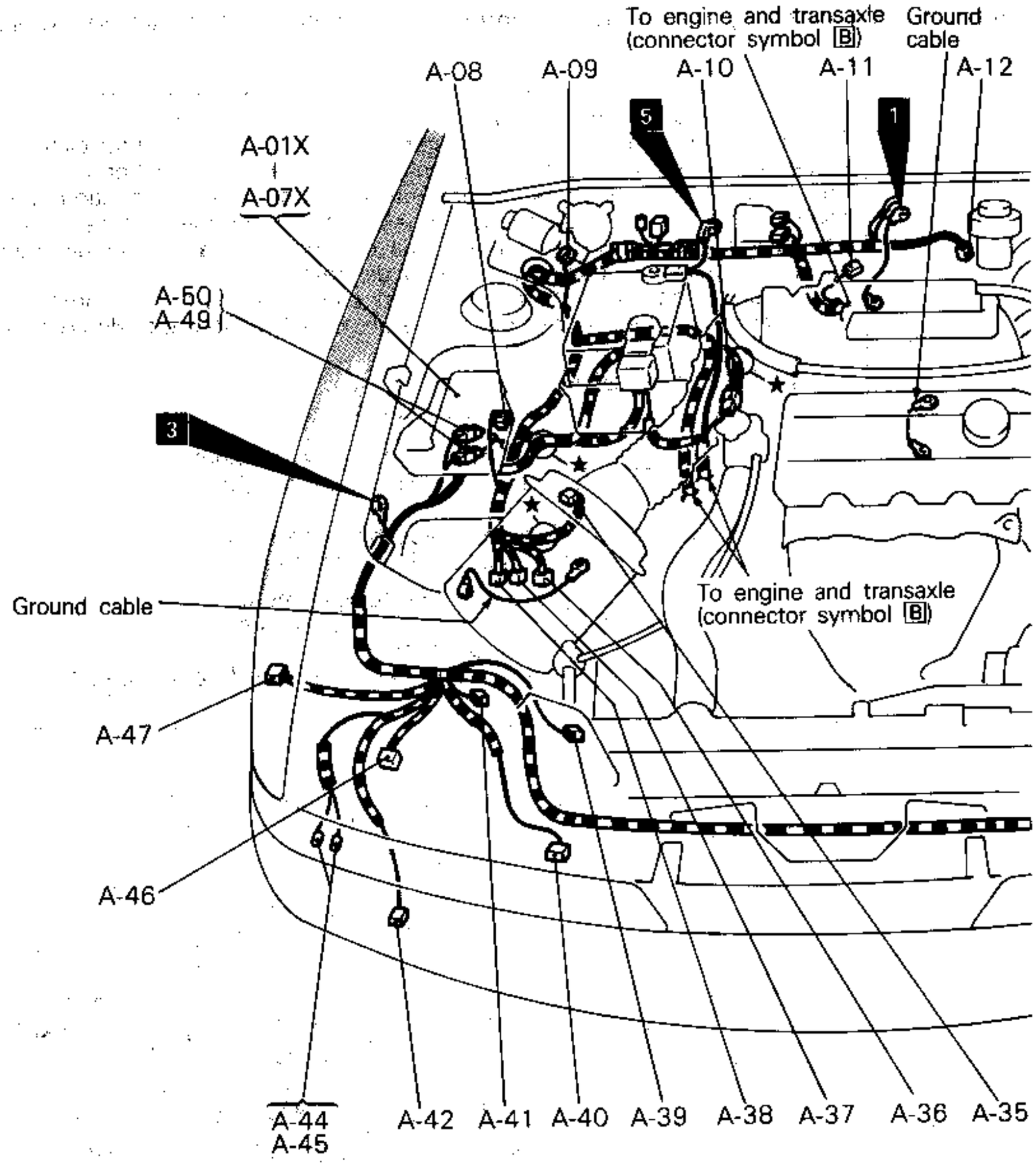
Indicates ground point.
The ground number used is the same number as that used for circuit diagrams; these numbers facilitate the location of the ground points.
For detailed information concerning ground points, refer to P.4.

Represents the part concealed by corrugated tubing.

TSB Revision

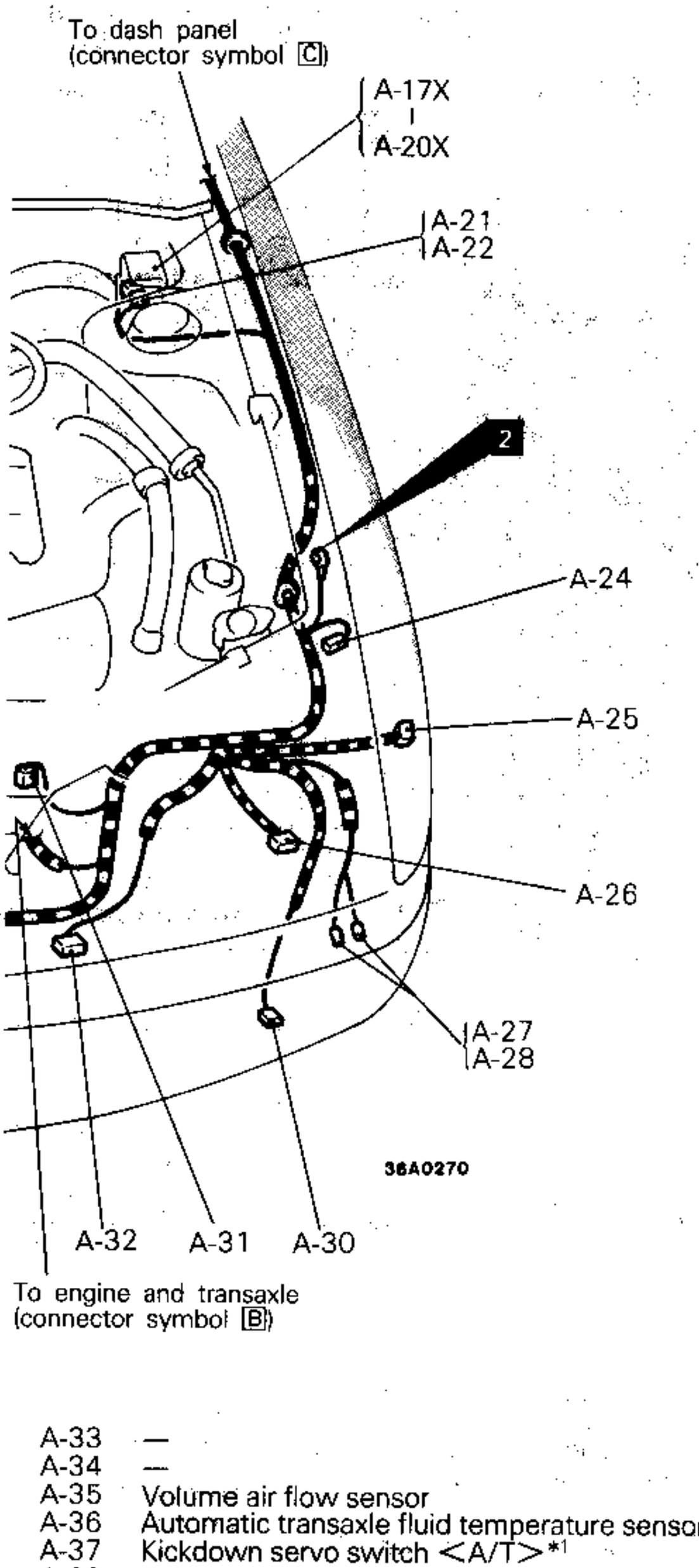
ENGINE COMPARTMENT <1.8L Engine>

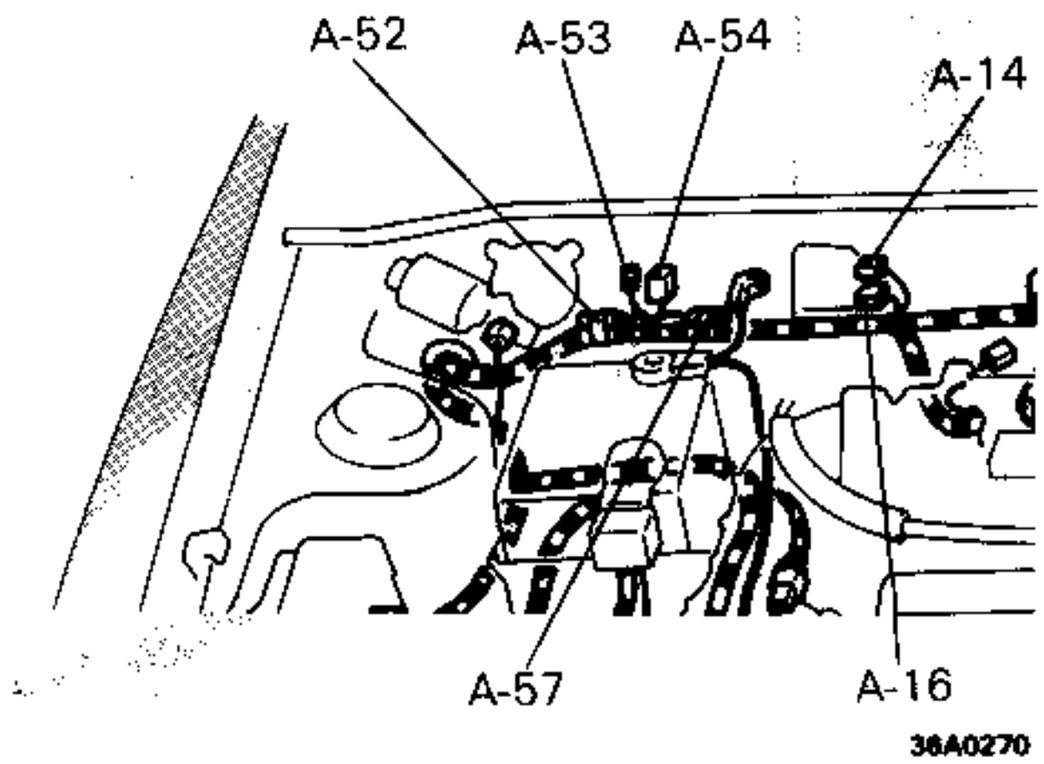
Connector symbol **A**



A-01X	IOD or storage connector	Refer to CENTRALIZED JUNCTION
A-02X	Taillight relay	
A-03X	Headlight relay	
A-04X	Power window relay	
A-05X	Fog light relay	
A-06X	Radiator fan motor relay	
A-07X	Generator relay	
A-08	Dual pressure switch (for air conditioning circuit)	
A-09	Wiper motor	
A-10	Control wiring harness and battery cable assembly combination	
A-11	Auto-cruise control vacuum pump	
A-12	Brake fluid level sensor	
A-13	—	
A-14	Evaporative emission purge solenoid	
A-15	—	
A-16	EGR solenoid (Vehicles for California)	
A-17X	Condenser fan motor high-low changeover relay	Refer to CENTRALIZED JUNCTION (for air conditioning circuit)
A-18X	Condenser fan motor relay	
A-19X	Magnetic clutch relay	
A-20X	Condenser	
A-21	Air conditioning relay box	
A-22		
A-23	—	
A-24	Washer motor	
A-25	Front side marker light (Left side)	
A-26	Headlight (Left side)	
A-27	Horn (Left side)	
A-28		
A-29	—	
A-30	Fog light (Left side)	
A-31	Condenser fan motor (for air conditioning circuit)	
A-32	Front combination light (Left side)	

TSB Revision





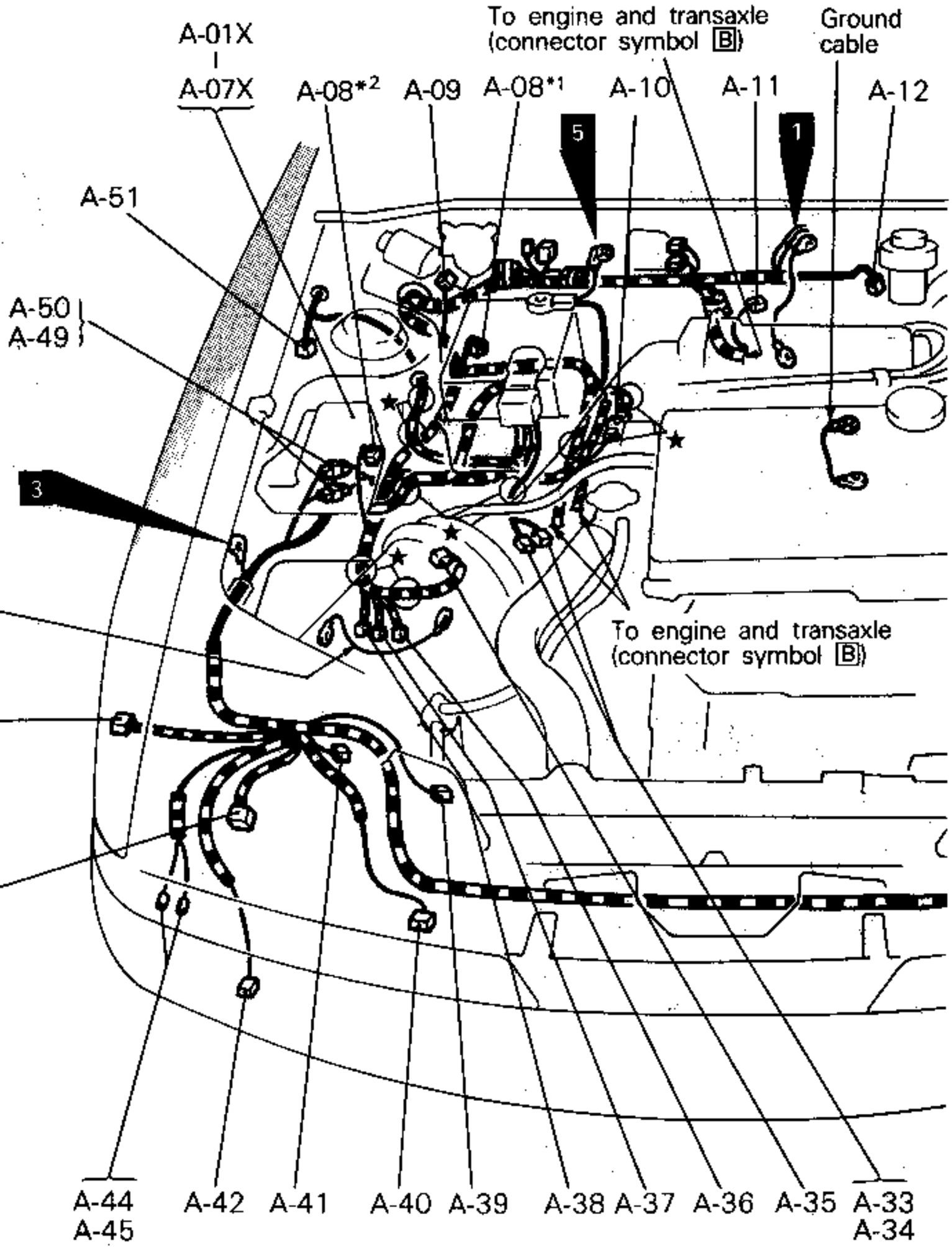
A-33 —
A-34 —
A-35 Volume air flow sensor
A-36 Automatic transaxle fluid temperature sensor*1
A-37 Kickdown servo switch <A/T>*1
A-38 Pulse generator <A/T>
A-39 Radiator fan assembly
A-40 Front combination light (Right side)
A-41 Radiator water level switch
A-42 Fog light (Right side)
A-43 —
A-44, A-45 Horn (Right side)
A-46 Headlight (Right side)
A-47 Front side marker light (Right side)
A-48 —
A-49, A-50 Control wiring harness and engine compartment wiring harness combination
A-51 —
A-52 Fuel pump check connector
A-53 Noise condenser
A-54 Defogger relay
A-55 —
A-56 —
A-57 Ignition timing adjustment connector

Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details concerning the ground point (example: 1), refer to P. 4.
(3) "–" means that the connector with code-number is not used.
(4) IOD : Ignition Off Draw
(5) *1: 1992 models

TSB Revision

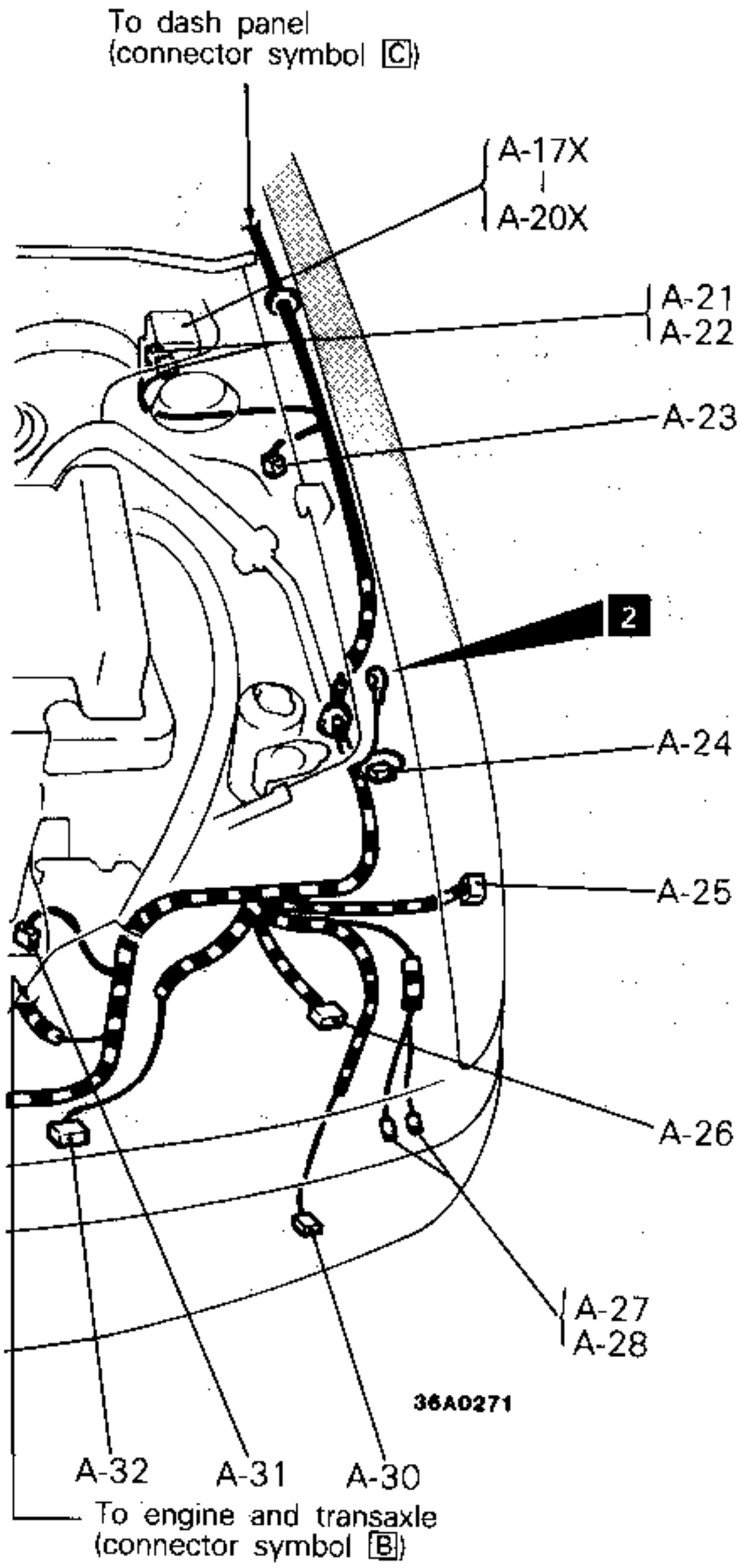
ENGINE COMPARTMENT <2.0L DOHC Engine (Non-Turbo)>

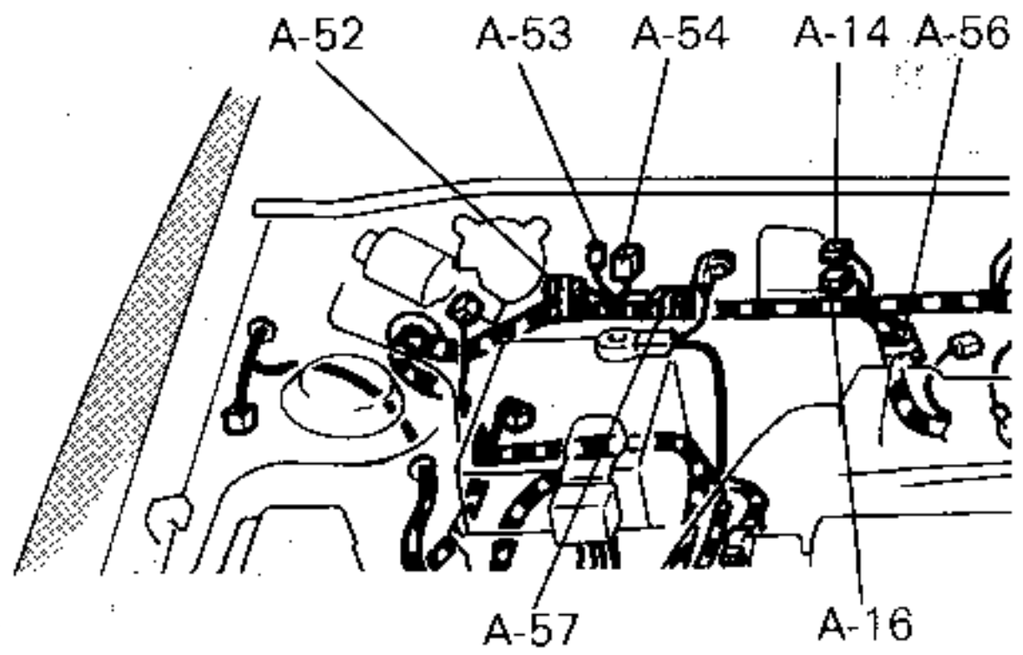
Connector symbol **A**



A-01X	IOD or storage connector	Refer to CENTRALIZED JUNCTION
A-02X	Taillight relay	
A-03X	Headlight relay	
A-04X	Power window relay	
A-05X	Fog light relay	
A-06X	Radiator fan motor relay	
A-07X	Generator relay	
A-08	Dual pressure switch (for air conditioning circuit)	
A-09	Wiper motor	
A-10	Control wiring harness and battery cable assembly combination	
A-11	Auto-cruise control vacuum pump	
A-12	Brake fluid level sensor	
A-13	—	
A-14	Evaporative emission purge solenoid	
A-15	—	
A-16	EGR solenoid (Vehicles for California)	
A-17X	Condenser fan motor high-low changeover relay	Refer to CENTRALIZED JUNCTION (for air conditioning circuit)
A-18X	Condenser fan motor relay	
A-19X	Magnetic clutch relay	
A-20X	Condenser	
A-21, A-22	Air conditioning relay box	
A-23	ABS front speed sensor (Left side)	
A-24	Washer motor	
A-25	Front side marker light (Left side)	
A-26	Headlight (Left side)	
A-27, A-28	Horn (Left side)	
A-29	—	
A-30	Fog light (Left side)	
A-31	Condenser fan motor (for air conditioning circuit)	
A-32	Front combination light (Left side)	

TSB Revision



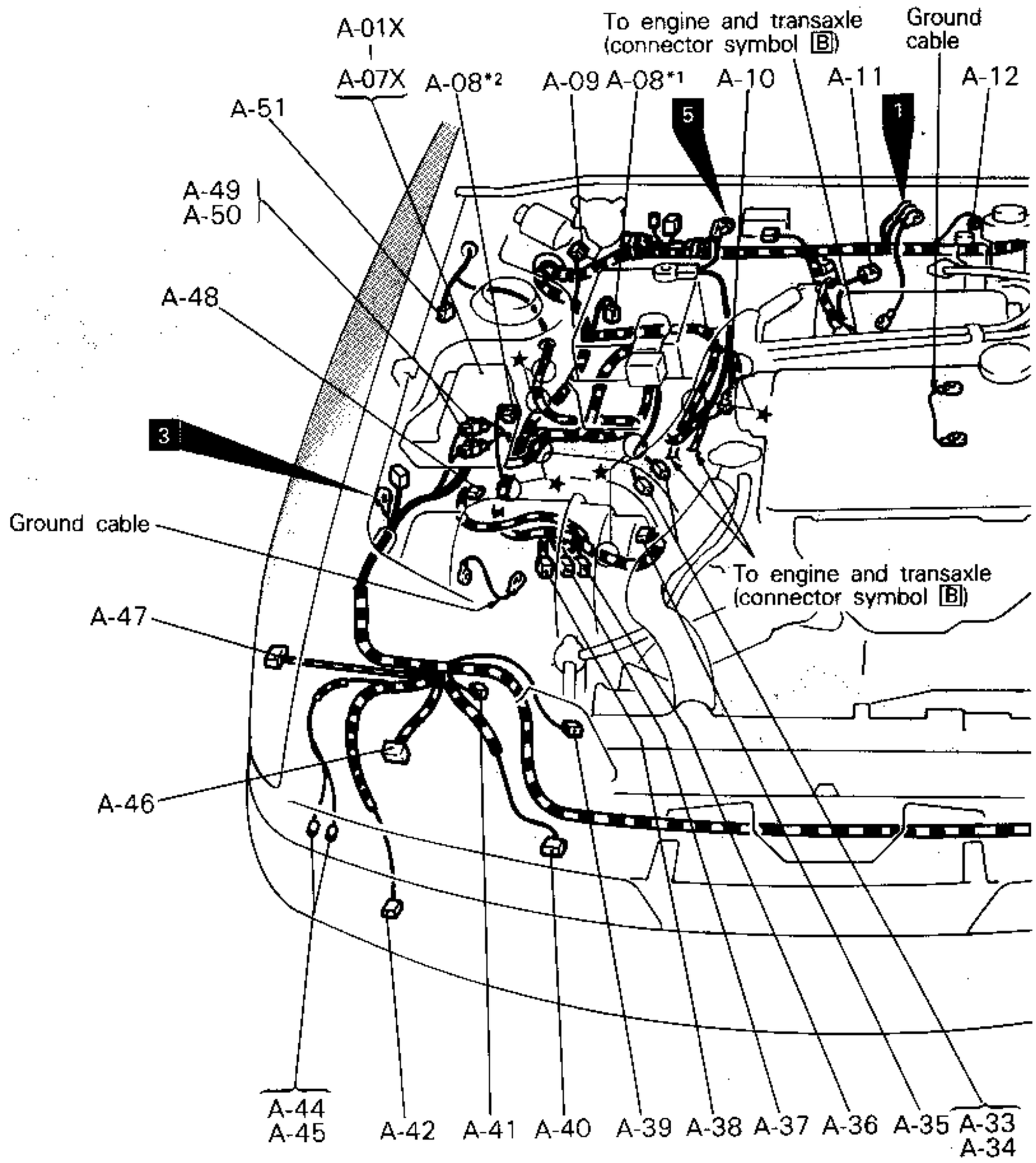


A-33, A-34	Hydraulic unit
A-35	Volume air flow sensor
A-36	Automatic transaxle fluid temperature sensor*1
A-37	Kickdown servo switch <A/T>*1
A-38	Pulse generator <A/T>
A-39	Radiator fan assembly
A-40	Front combination light (Right side)
A-41	Radiator water level switch
A-42	Fog light (Right side)
A-43	—
A-44, A-45	Horn (Right side)
A-46	Headlight (Right side)
A-47	Front side marker light (Right side)
A-48	—
A-49, A-50	Control wiring harness and engine compartment wiring harness combination
A-51	ABS front speed sensor (Right side)
A-52	Fuel pump check connector
A-53	Noise condenser
A-54	Defogger relay
A-55	—
A-56	Engine speed adjustment connector
A-57	Ignition timing adjustment connector

Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details concerning the ground point (example: 1), refer to P. 4.
(3) "–" means that the connector with code-number is not used.
(4) The wiring indicated by the *1 symbol is applicable to vehicles with ABS and the wiring indicated by the *2 symbol is applicable to vehicles without ABS.
(5) IOD : Ignition Off Draw
(6) *1: 1992 models

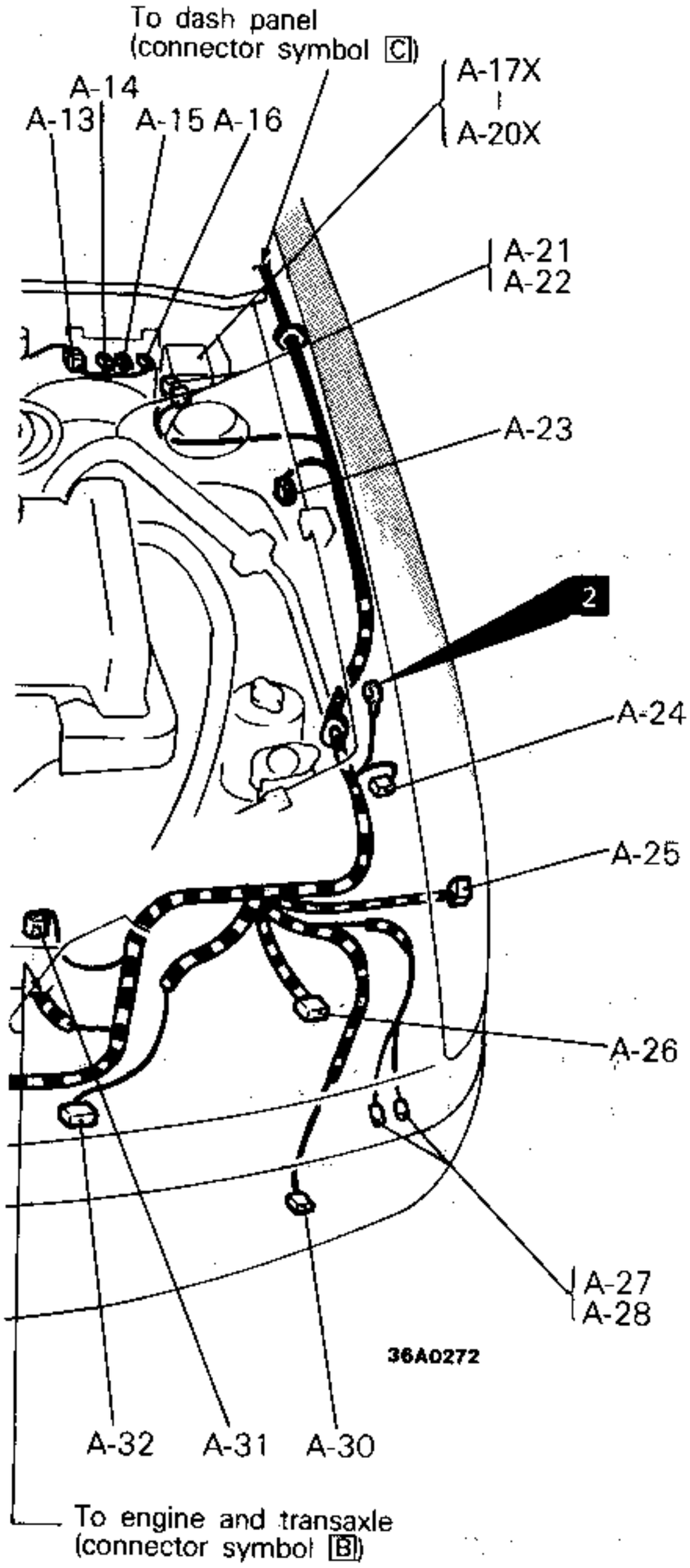
ENGINE COMPARTMENT <2.0L DOHC Engine (Turbo)>

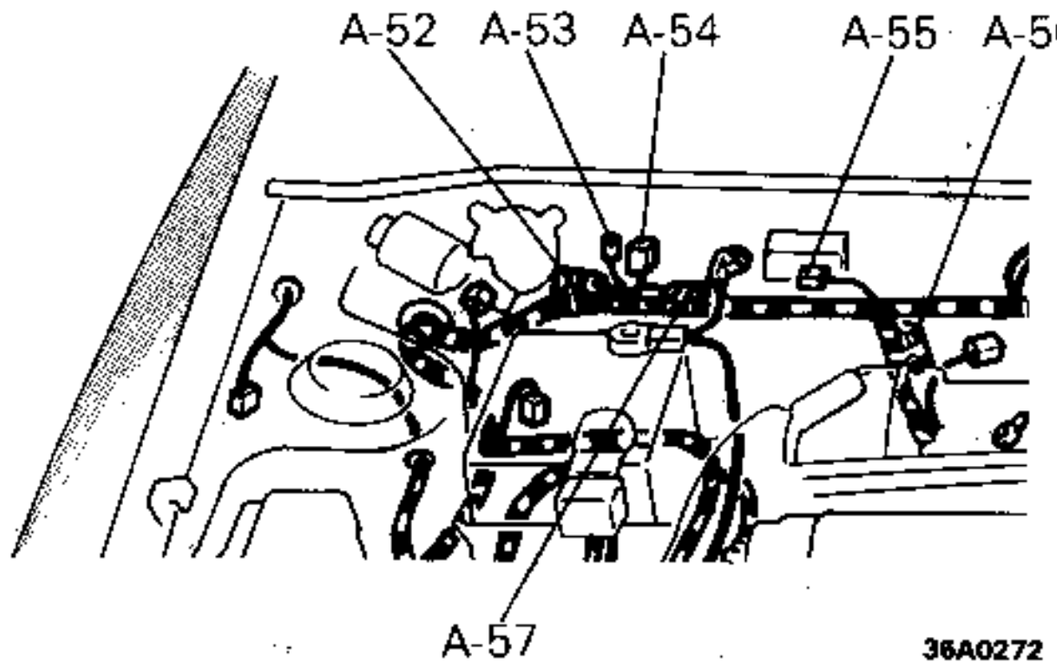
Connector symbol **A**



A-01X	IOD or storage connector	Refer to CENTRALIZED JUNCTION
A-02X	Taillight relay	
A-03X	Headlight relay	
A-04X	Power window relay	
A-05X	Fog light relay	
A-06X	Radiator fan motor relay	
A-07X	Generator relay	
A-08	Dual pressure switch (for air conditioning circuit)	
A-09	Wiper motor	
A-10	Control wiring harness and battery cable assembly combination	
A-11	Auto-cruise control vacuum pump	
A-12	Brake fluid level sensor	
A-13	Control wiring harness and solenoid valve harness assembly combination	
A-14	Evaporative emission purge solenoid	
A-15	Fuel pressure solenoid valve	
A-16	EGR solenoid (Vehicles for California)	
A-17X	Condenser fan motor high-low changeover relay	Refer to CENTRALIZED JUNCTION (for air conditioning circuit)
A-18X	Condenser fan motor relay	
A-19X	Magnetic clutch relay	
A-20X	Condenser	
A-21	Air conditioning relay box	
A-22		
A-23	ABS front speed sensor (Left side)	
A-24	Washer motor	
A-25	Front side marker light (Left side)	
A-26	Headlight (Left side)	
A-27	Horn (Left side)	
A-28		
A-29	—	
A-30	Fog light (Left side)	
A-31	Condenser fan motor (for air conditioning circuit)	
A-32	Front combination light (Left side)	

TSB Revision



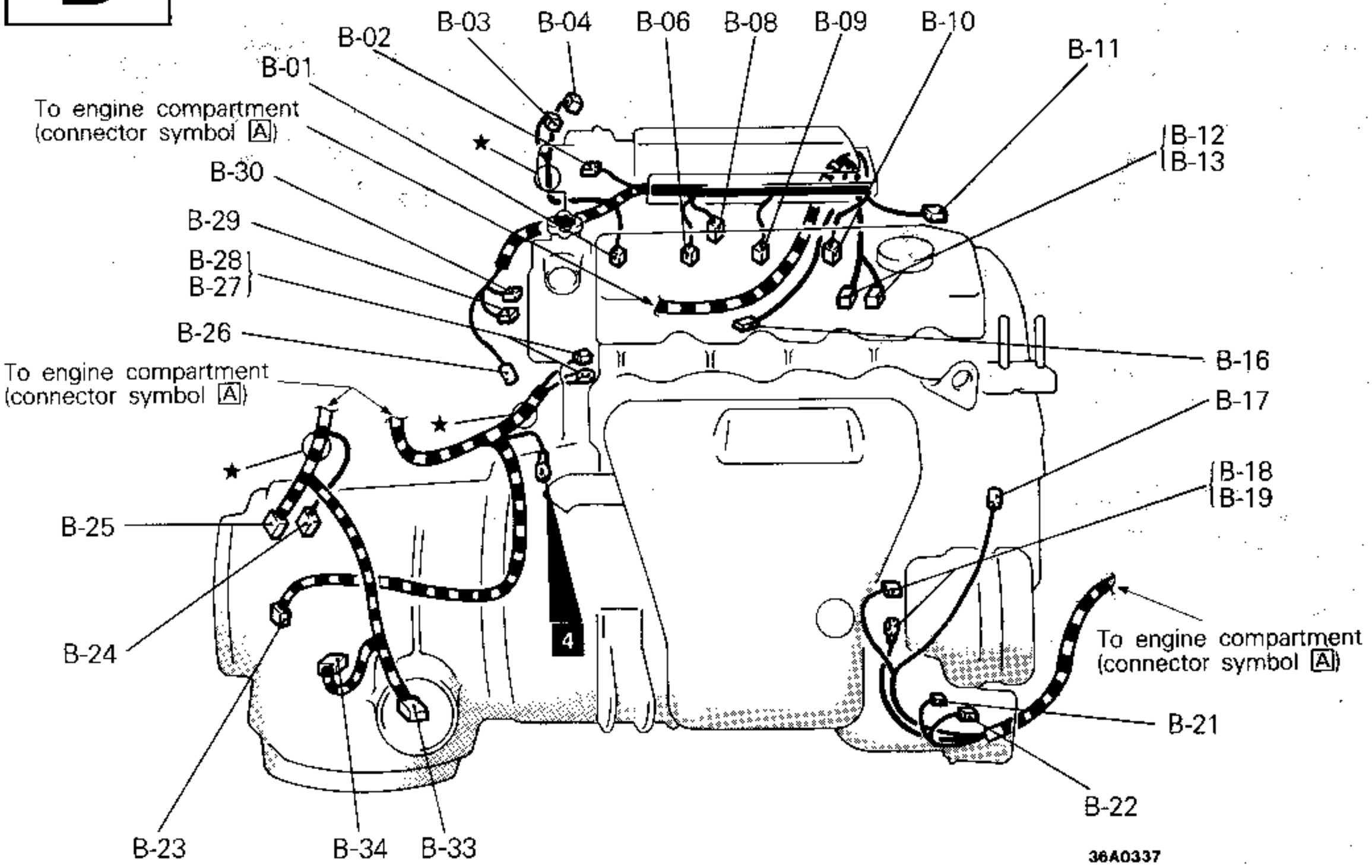


A-33, A-34 Hydraulic unit
A-35 Volume air flow sensor
A-36 Automatic transaxle fluid temperature sensor
A-37 Kickdown servo switch <A/T> *1
A-38 Pulse generator <A/T>
A-39 Radiator fan assembly
A-40 Front combination light (Right side)
A-41 Radiator water level switch
A-42 Fog light (Right side)
A-43 —
A-44, A-45 Horn (Right side)
A-46 Headlight (Right side)
A-47 Front side marker light (Right side)
A-48 Turbocharger waste gate solenoid
A-49, A-50 Control wiring harness and engine compartment wiring harness combination
A-51 ABS front speed sensor (Right side)
A-52 Fuel pump check connector
A-53 Noise condenser
A-54 Defogger relay
A-55 Resistor
A-56 Engine speed adjustment connector
A-57 Ignition timing adjustment connector

Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details concerning the ground point (example: 1), refer to P. 4.
(3) The wiring indicated by the *1 symbol is applicable to vehicles with ABS and the wiring indicated by the *2 symbol is applicable to vehicles without ABS.
(4) IOD : Ignition Off Draw
(5) *1: 1992 models

ENGINE AND TRANSAXLE <1.8L Engine>

Connector symbol **B**



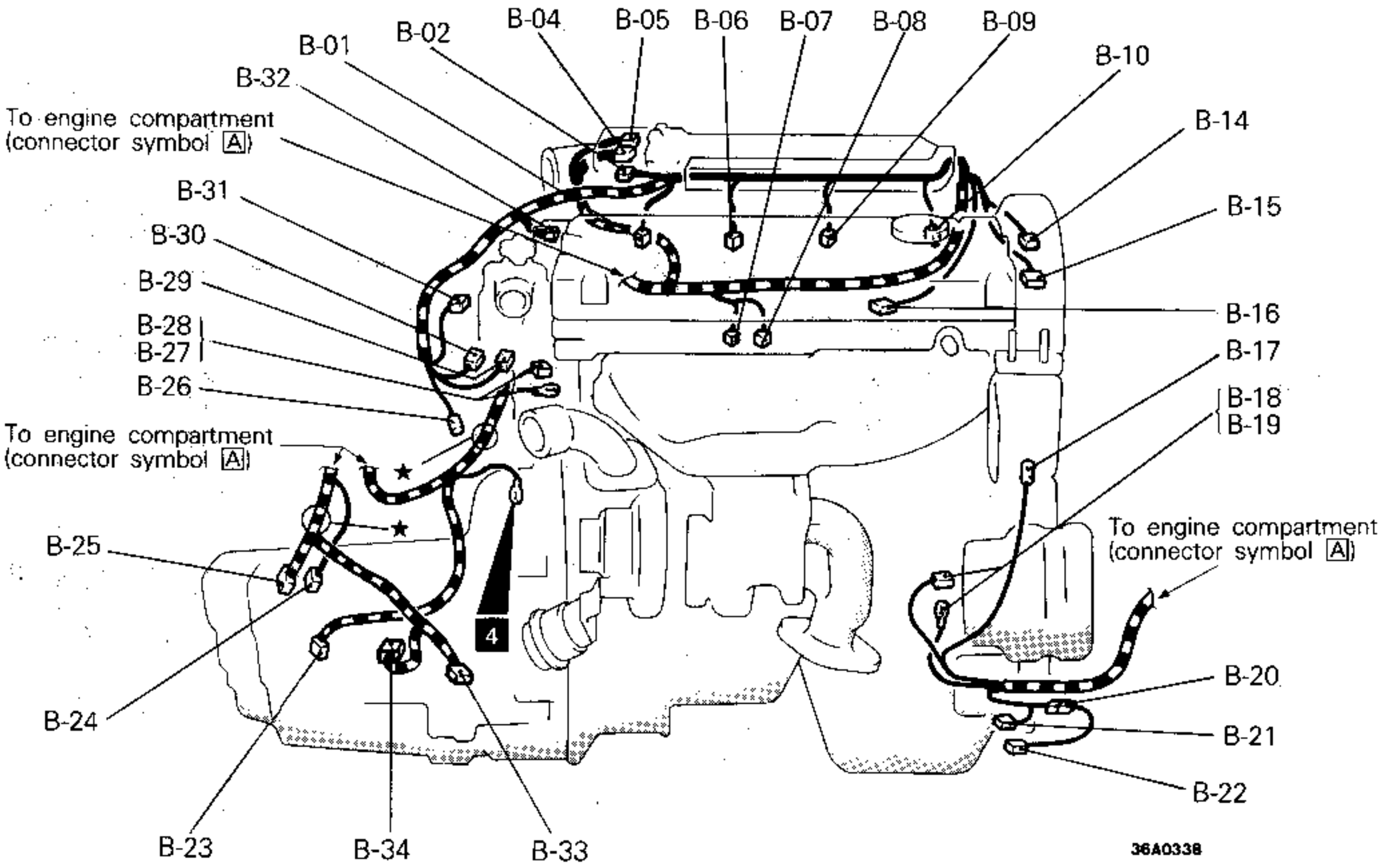
B-01	Injector No. 4
B-02	Throttle position sensor
B-03	ISC motor position sensor
B-04	Idle speed control actuator
B-05	–
B-06	Injector No. 3
B-07	–
B-08	EGR temperature sensor (Vehicles for California)
B-09	Injector No. 2
B-10	Injector No. 1
B-11	CRC filter
B-12, B-13	Distributor assembly
B-14	–
B-15	–
B-16	Magnetic clutch (for air conditioning circuit)
B-17	Power steering pressure switch
B-18, B-19	Generator
B-20	–
B-21	Oil pressure switch
B-22	Oil pressure gauge unit
B-23	Back-up light switch <M/T>
B-24	4-speed automatic transaxle control solenoid valve
B-25	Park/Neutral position switch
B-26	Oxygen sensor
B-27, B-28	Starter motor
B-29	Engine coolant temperature gauge unit
B-30	Engine coolant temperature sensor
B-31	–
B-32	–
B-33	Kickdown servo switch*1
B-34	Automatic transaxle fluid temperature sensor*1

Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details concerning the ground point (example: 4), refer to P.4.
(3) "–" means that the connector with code-number is not used.
(4) *1: From 1993 models

TSB Revision

ENGINE AND TRANSAXLE <2.0L DOHC Engine>

Connector symbol
B



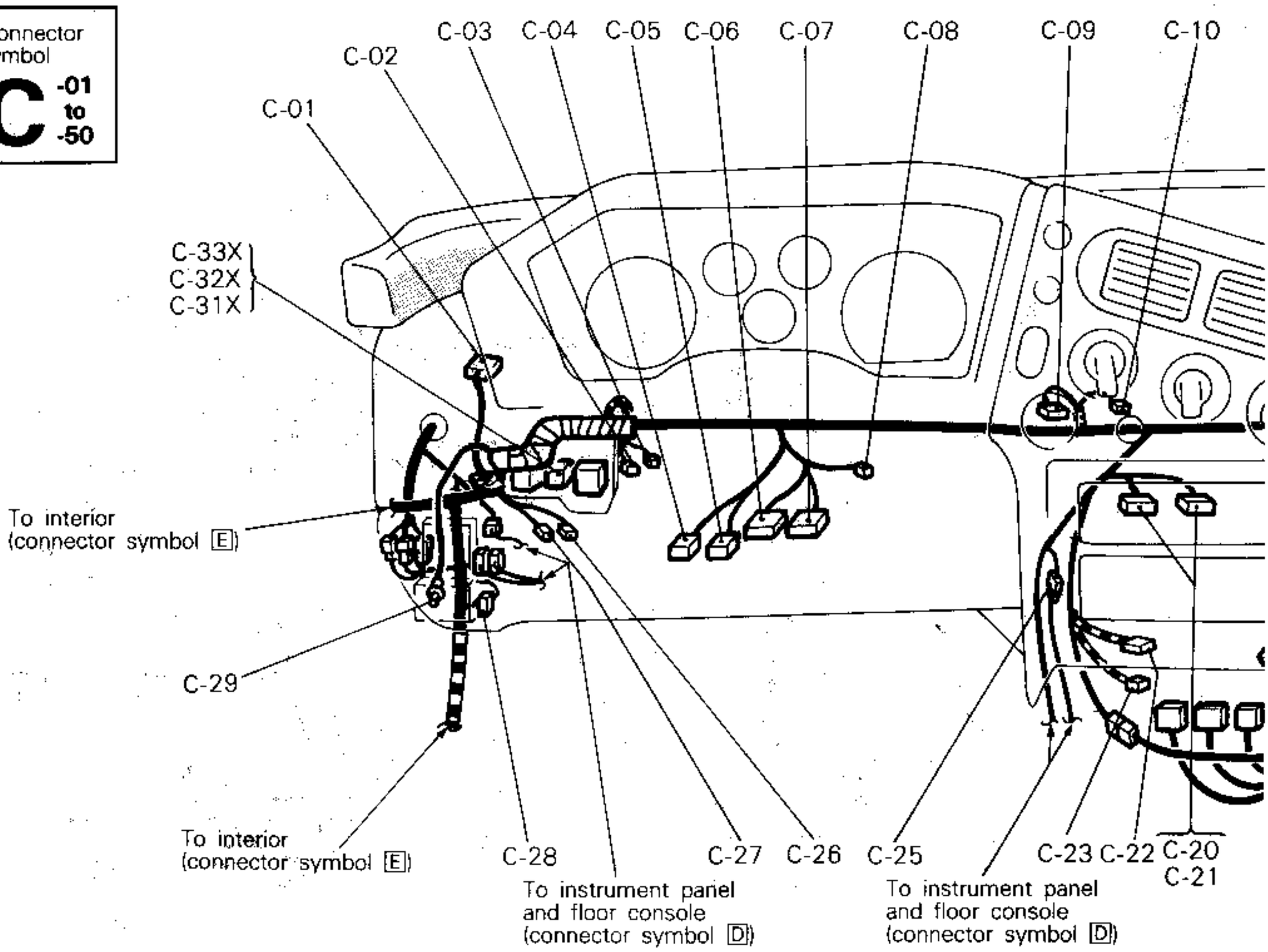
B-01	Injector No. 4
B-02	Throttle position sensor
B-03	–
B-04	Idle speed control actuator
B-05	Closed throttle position switch
B-06	Injector No. 3
B-07	Knock sensor <2.0L DOHC turbo>
B-08	EGR temperature sensor (Vehicles for California)
B-09	Injector No. 2
B-10	Injector No. 1
B-11, B-12, B-13	–
B-14	Ignition coil
B-15	Ignition power transistor
B-16	Magnetic clutch (for air conditioning circuit)
B-17	Power steering pressure switch
B-18, B-19	Generator
B-20	Engine compartment wiring harness and engine wiring harness combination
B-21	Oil pressure switch
B-22	Oil pressure gauge unit
B-23	Back-up light switch <M/T>
B-24	4-speed automatic transaxle control solenoid valve
B-25	Park/Neutral position switch
B-26	Heated oxygen sensor
B-27, B-28	Starter motor
B-29	Engine coolant temperature gauge unit
B-30	Engine coolant temperature sensor
B-31	Air conditioning engine coolant temperature switch
B-32	Crankshaft position and camshaft position sensor
B-33	Kickdown servo switch*1
B-34	Automatic transaxle fluid temperature sensor*1

Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details concerning the ground point (example: 4), refer to P.4.
(3) "–" means that the connector with code-number is not used.
(4) *1: From 1993 models

TSB Revision

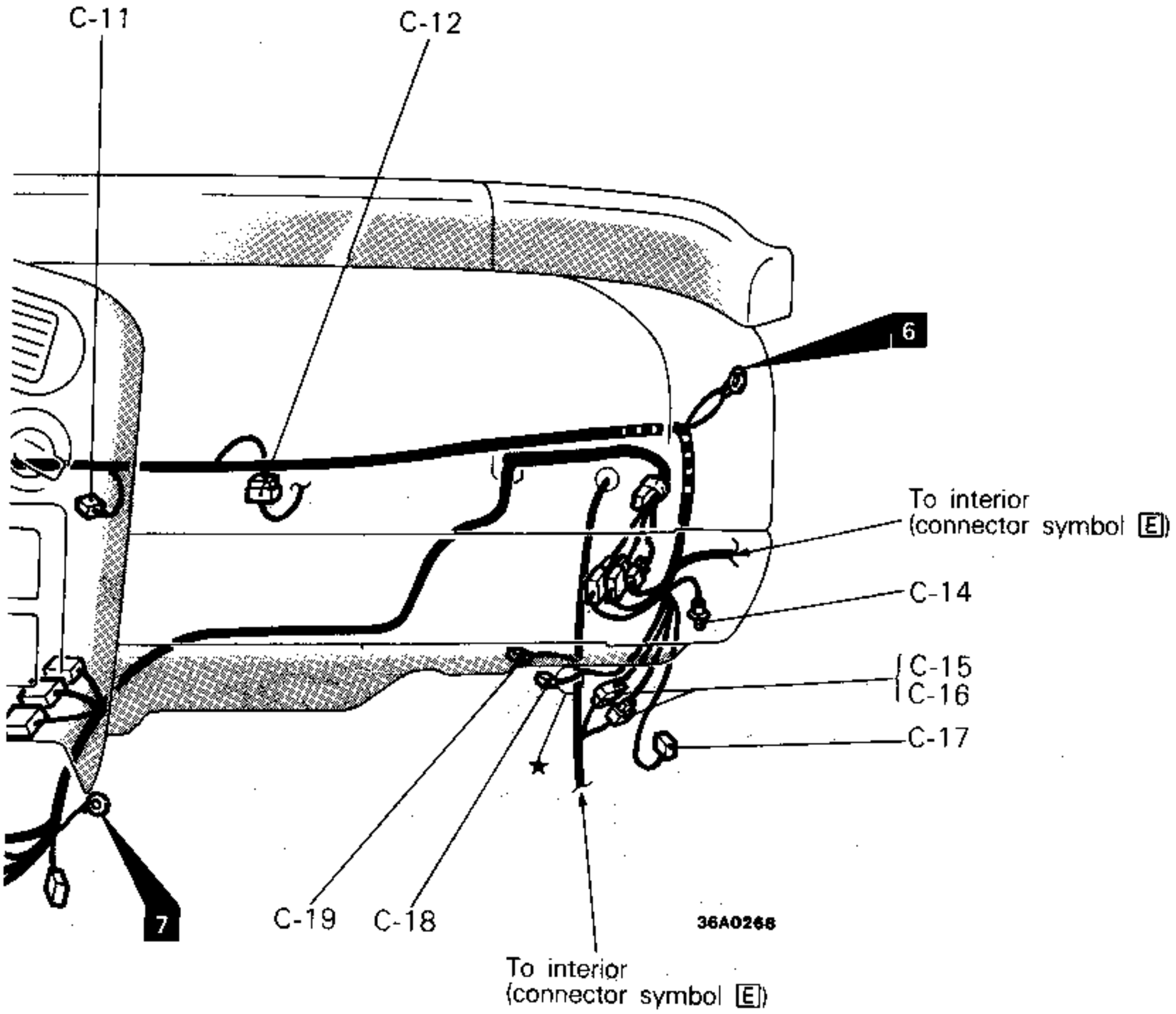
DASH PANEL

Connector symbol
C -01 to -50



C-01	Auto-cruise control unit or jumper connector
C-02, C-03	Stop light switch
C-04	Ignition switch
C-05	Key reminder switch
C-06, C-07	Column switch
C-08	Accelerator pedal switch <A/T>
C-09	Blower switch
C-10	Air conditioning switch
C-11	Blower resistor
C-12	Air conditioning wiring harness and body wiring harness combination
C-13	—
C-14	Foot light (Right side)
C-15, C-16	Body wiring harness and ABS wiring harness combination
C-17	Door lock control unit
C-18	Blower motor high relay (vehicles with an air conditioning) or jumper connector
C-19	Blower motor
C-20, C-21	Radio
C-22	Turn-signal and hazard flasher unit
C-23	Buzzer assembly
C-24	—
C-25	Floor console wiring harness and body wiring harness combination
C-26	Clutch pedal position switch (for starter circuit) <M/T>
C-27	Clutch pedal position switch (for auto-cruise circuit) <M/T>
C-28	Data link connector
C-29	Foot light (Left side)
C-30	—
C-31X	Door lock relay — Refer to CENTRALIZED JUNCTION
C-32X	Starter relay <M/T> — Refer to CENTRALIZED JUNCTION
C-33X	Defogger timer — Refer to CENTRALIZED JUNCTION
C-34X	— — Refer to CENTRALIZED JUNCTION
C-35X	— — Refer to CENTRALIZED JUNCTION
C-36	Air conditioning control unit
C-37	Air inlet sensor
C-38	Air thermo sensor
C-39	Heater relay
C-40	Instrument panel wiring harness and junction block combination

TSB Revision

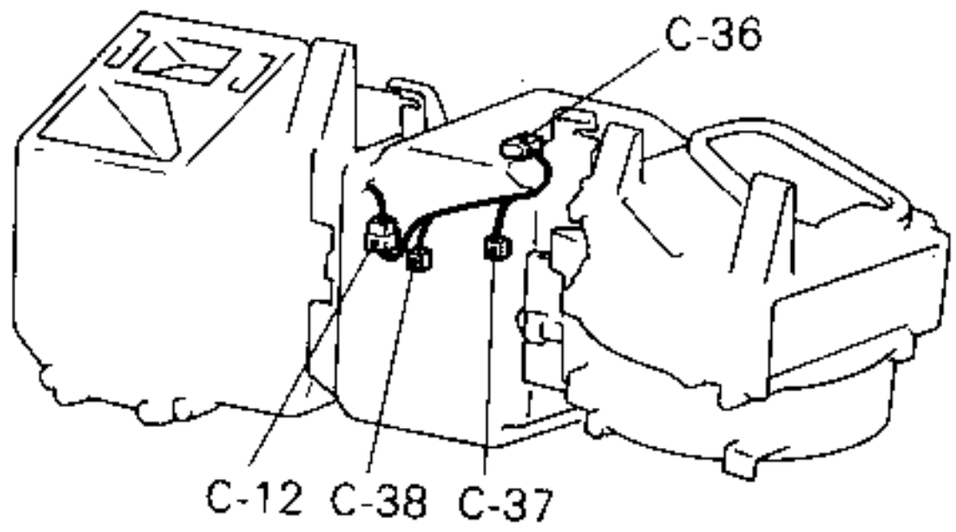


C-41, C-42, C-43 } Engine compartment wiring harness and junction block combination

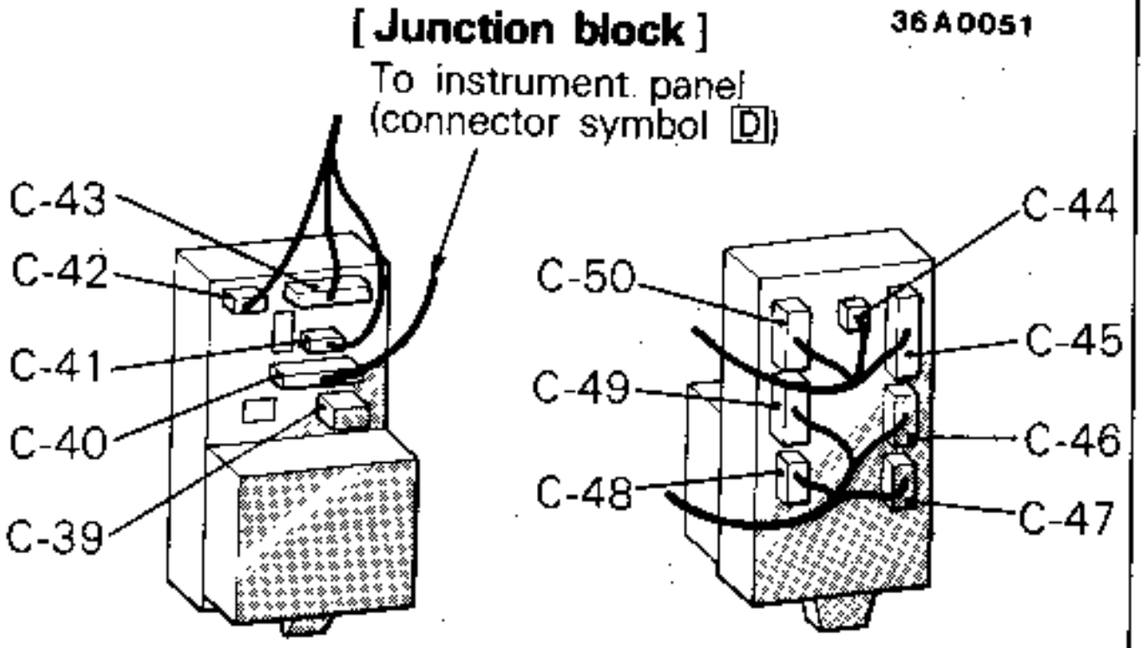
C-44
C-45
C-46
C-47
C-48
C-49
C-50 } Body wiring harness and junction block combination

Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details concerning the ground point (example: 6), refer to P.4.
(3) "–" means that the connector with code-number is not used.

[Vehicles with an air conditioning]



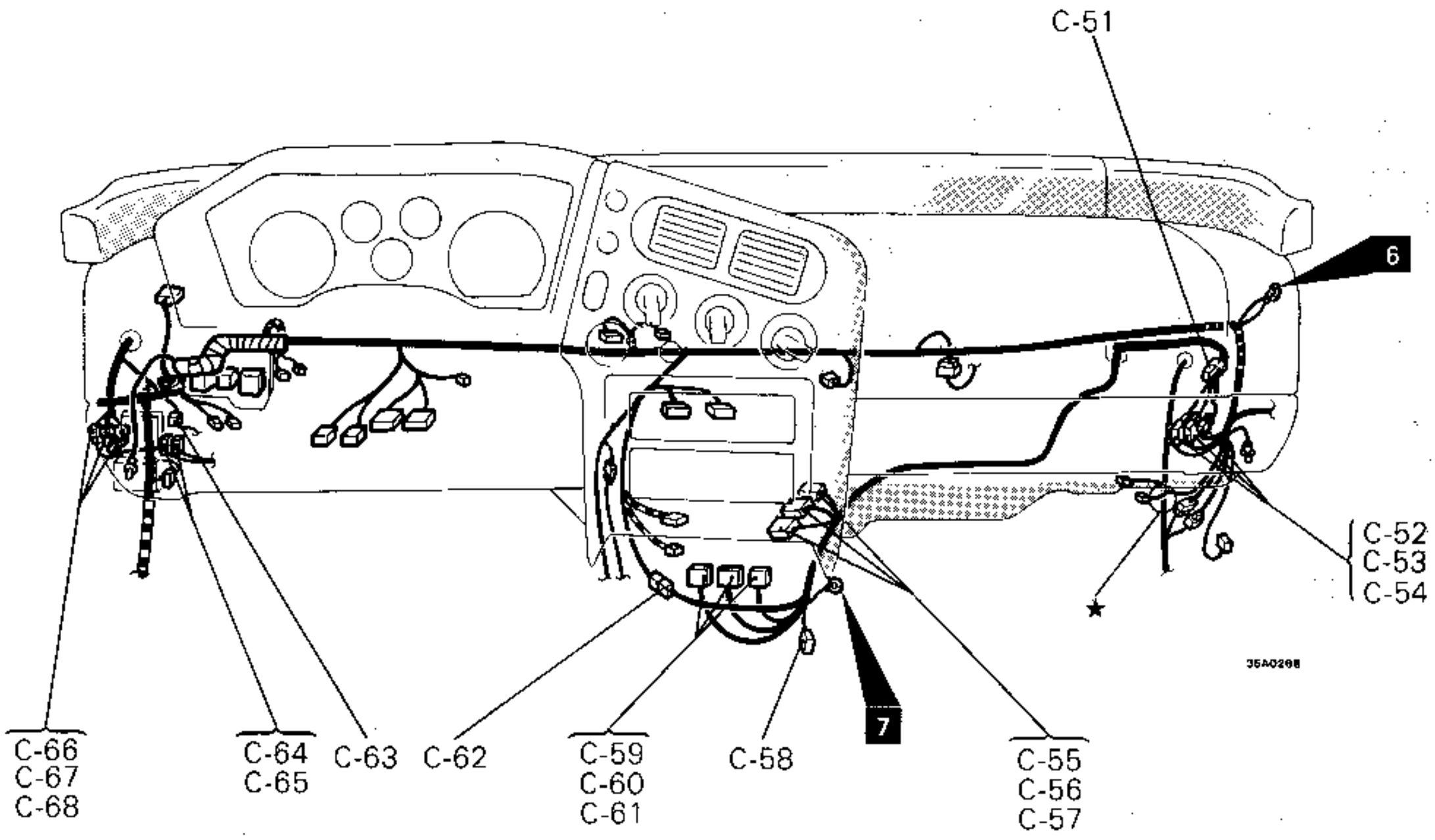
[Junction block] 36A0051



(Front side) 16A1328 (Rear side) 16A1329

DASH PANEL

Connector symbol
C -51 to -68



C-51 Oxygen sensor check connector <2.0L DOHC engine>

C-52, C-53, C-54 Control wiring harness and body wiring harness combination

C-55, C-56 4-speed automatic transaxle control module

C-57 4-speed automatic transaxle control module*1

C-58 MFI control relay

C-59, C-60, C-61 MFI control unit

C-62 Control wiring harness and body wiring harness combination

C-63 Instrument panel wiring harness and engine compartment wiring harness combination

C-64, C-65 Instrument panel wiring harness and body wiring harness combination

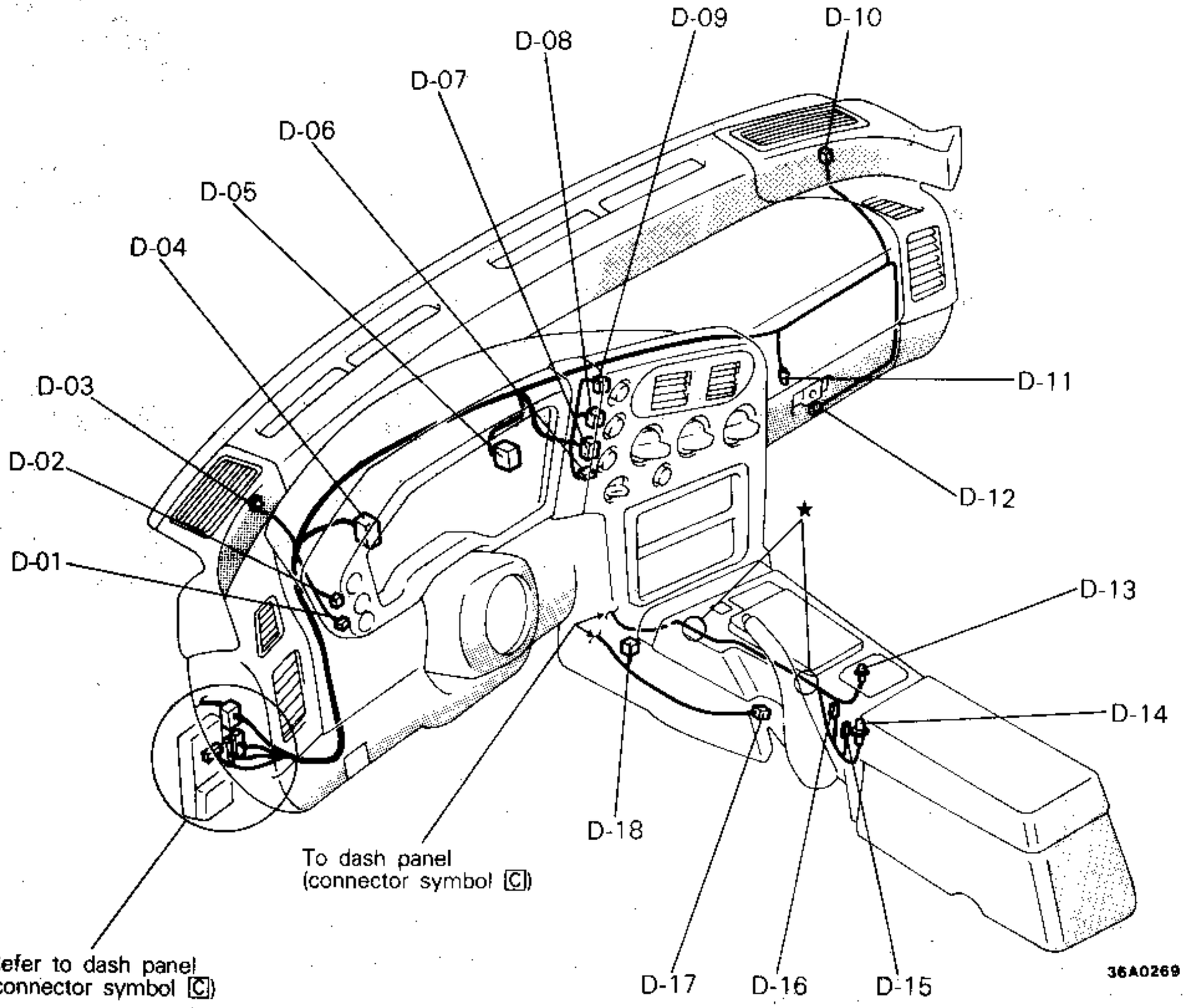
C-66, C-67, C-68 Engine compartment wiring harness and body wiring harness combination

Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details concerning the ground point (example: 6), refer to P.4.
(3) *1: 1992 models

TSB Revision

INSTRUMENT PANEL AND FLOOR CONSOLE

Connector symbol **D**



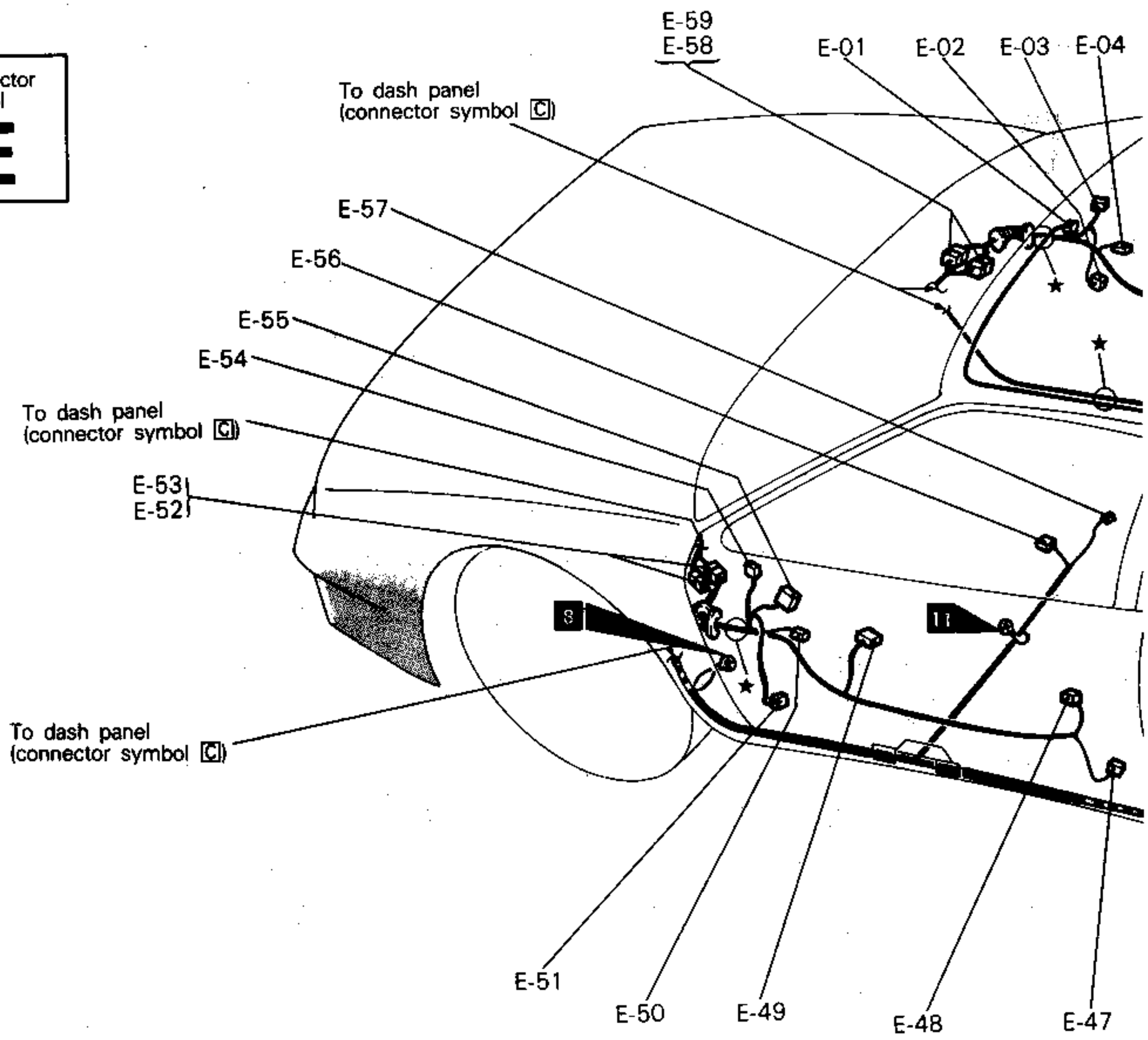
D-01 Rheostat
D-02 Fog light switch
D-03 Front speaker (Left side)
D-04, D-05 Combination meter
D-06 Heater control panel illumination light
D-07 Rear wiper and washer switch
D-08 Defogger switch
D-09 Hazard switch
D-10 Front speaker (Right side)
D-11 Glove compartment light
D-12 Glove compartment light switch
D-13 Ashtray illumination light
D-14 Cigarette lighter illumination light
D-15 Cigarette lighter (+)
D-16 Cigarette lighter (–)
D-17 Overdrive switch and automatic transaxle selector lever position illumination light <A/T>
D-18 Power/Economy changeover switch <A/T>

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

TSB Revision

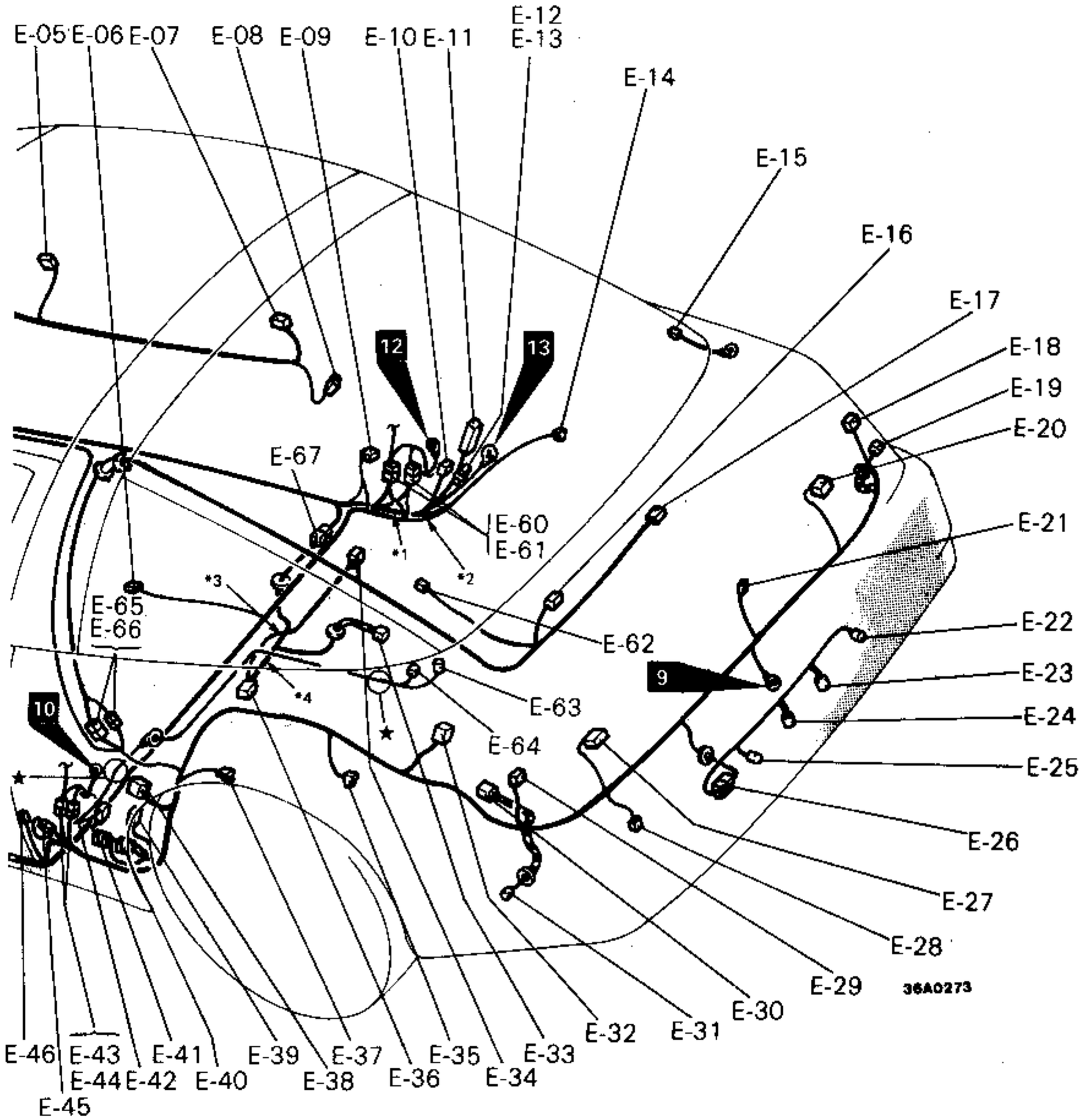
INTERIOR

Connector symbol **E**



E-01 Dome light
E-02 Door speaker (Right side)
E-03 Door mirror (Right side)
E-04 Power window motor (Right side)
E-05 Power window sub-switch
E-06 Outer switch (for automatic seat belt)
E-07 Door latch switch (Right side) (for automatic seat belt)
E-08 Door lock actuator (Right side)
E-09 Door switch (Right side)
E-10 ABS power relay
E-11 ABS control unit
E-12 Diode (for ABS circuit)
E-13 Resistor (for ABS circuit)
E-14 Rear speaker (Right side)
E-15 Defogger (−)
E-16 Rear wiper motor
E-17 High-mounted stop light
E-18 Rear combination light (Right side)
E-19 Rear side marker light (Right side)
E-20 Rear combination light (Right side)
E-21 Liftgate latch switch
E-22 Back-up light (Right side)
E-23, E-24 License plate lights
E-25 Back-up light (Left side)
E-26 License plate light wiring harness and body wiring harness combination
E-27 Rear combination light (Left side)
E-28 Rear washer motor
E-29 Rear combination light (Left side)
E-30 Fuel pump and gauge assembly <AWD>
E-31 Rear side marker light (Left side)
E-32 Motor antenna
E-33 G sensor (for ABS circuit)
E-34 ABS rear speed sensor (Right side)
E-35 Luggage compartment light
E-36 ABS rear speed sensor (Left side)
E-37 Rear speaker (Left side)
E-38 Automatic seat belt control unit
E-39 Intermittent wiper relay (Rear wiper)
E-40 Diode (for door-ajar warning light)
E-41 Noise condenser
E-42 Dome light relay

TSB Revision



E-43, E-44 | Automatic seat belt motor relay (Left side)
E-45 Fuel wiring harness and body wiring harness combination <FWD>
E-46 Door switch (Left side)
E-47 Door lock actuator (Left side)
E-48 Door latch switch (Left side) (for automatic seat belt)
E-49 Power window main switch
E-50 Power window motor (Left side)
E-51 Door speaker (Left side)
E-52, E-53 | Door wiring harness and body wiring harness combination (Left side)
E-54 Door mirror (Left side)
E-55 Remote controlled mirror switch
E-56 Seat belt buckle switch
E-57 Parking brake switch
E-58, E-59 | Door wiring harness and body wiring harness combination (Right side)
E-60, E-61 | Automatic seat belt motor relay (Right side)
E-62 Defogger (+)
E-63 Fuel gauge unit <FWD>
E-64 Fuel pump <FWD>
E-65, E-66 | Liftgate wiring harness and body wiring harness combination
E-67 ABS wiring harness and ABS sensor wiring harness combination

Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details concerning the ground point (example: ■), refer to P.4.
(3) The wiring indicated by the *1 symbol is applicable to vehicles with ABS and the wiring indicated by the *2 symbol is applicable to vehicles without ABS.
(4) The wiring indicated by the *3 symbol is applicable to FWD vehicles and the wiring indicated by the *4 symbol is applicable to AWD vehicles.

CIRCUIT DIAGRAMS

CONTENTS

M16VE--

Air Conditioning Circuit 142

Anti-Lock Braking System Circuit 158

Audio Circuit 54-54

Auto-Cruise Control Circuit 170

Automatic Seatbelt Circuit 152

Back-Up Light Circuit 54-31

Brake Warning Light, Oil Pressure Warning Light, Seat Belt Warning Light and Fuel Warning Light Circuit 54-13

Buzzer Circuit 156

Central Door Locking Circuit 139

Charging Circuit 16-3

Cigarette Lighter Circuit 54-52

Cooling Circuit 121

Dome Light, Ignition Key Illumination Light, Foot Light, Glove Compartment Light, Door-Ajar Warning Light and Luggage Compartment Light Circuit 54-28

ELC 4-Speed Automatic Transaxle Circuit 127

Fog Light Circuit 54-26

Headlight Circuit 54-24

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Rear Window Defogger Circuit 54-87

Rear Wiper and Washer Circuit 149

Remote Controlled Mirror Circuit 151

Starting Circuit 16-14

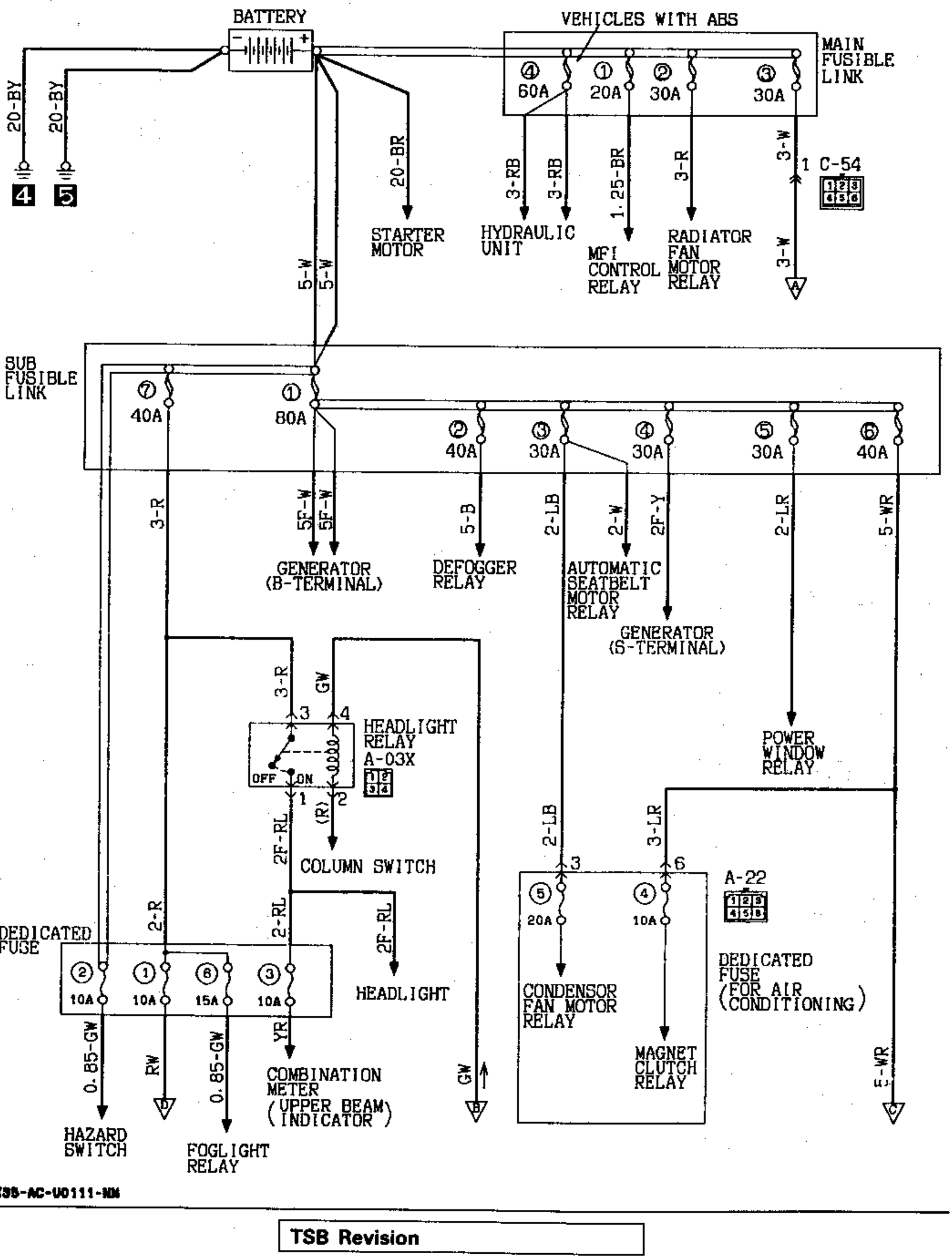
Taillight, Position Light, Side Marker Light and License Plate Light Circuit 54-27

Turn Signal Light, Hazard Light and Stop Light Circuit 54-32

Windshield Wiper and Washer Circuit 147

POWER DISTRIBUTION CIRCUIT

<1992 MODELS>



KX35-AC-U0111-MN

TSB Revision

POWER DISTRIBUTION CIRCUIT (CONTINUED)

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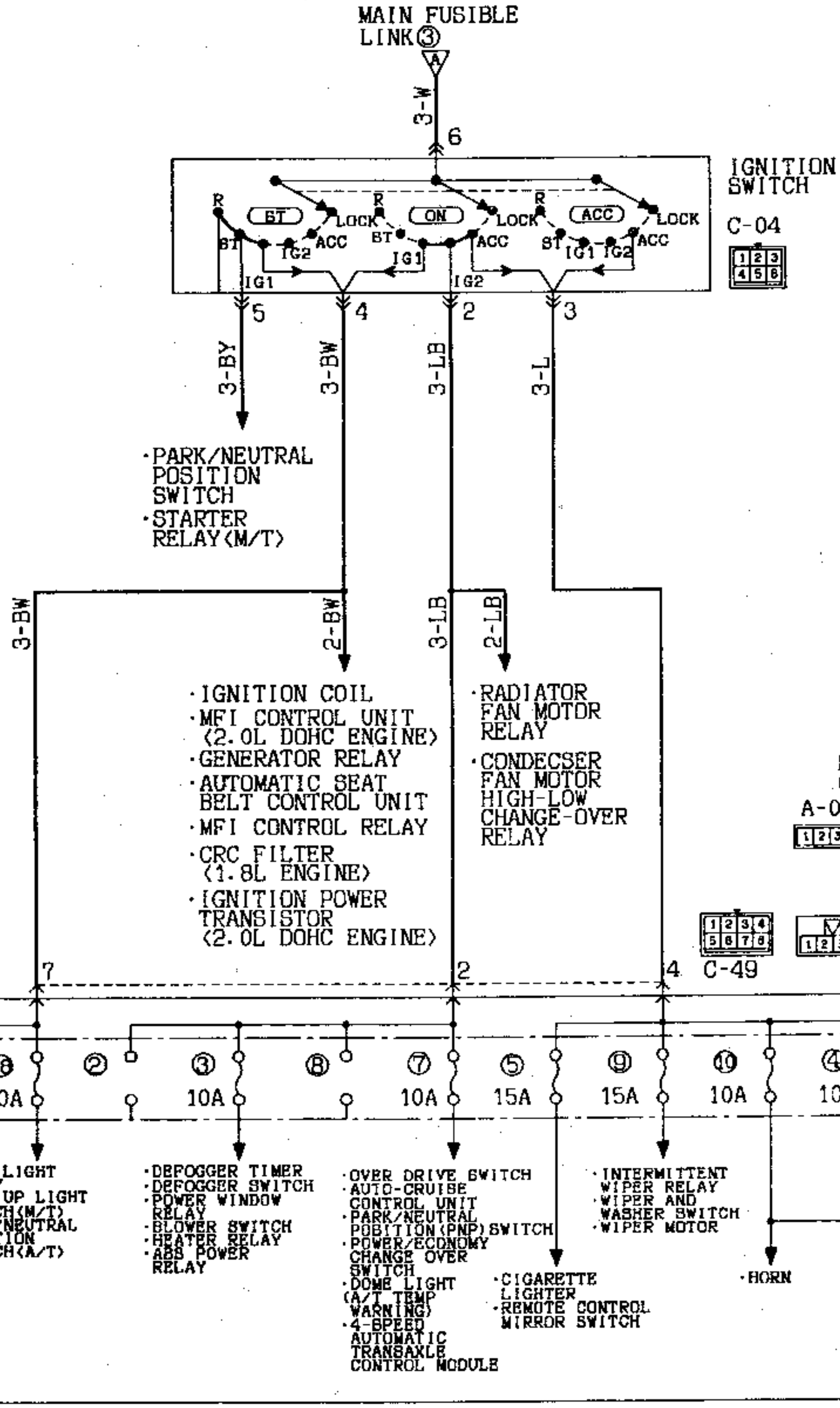
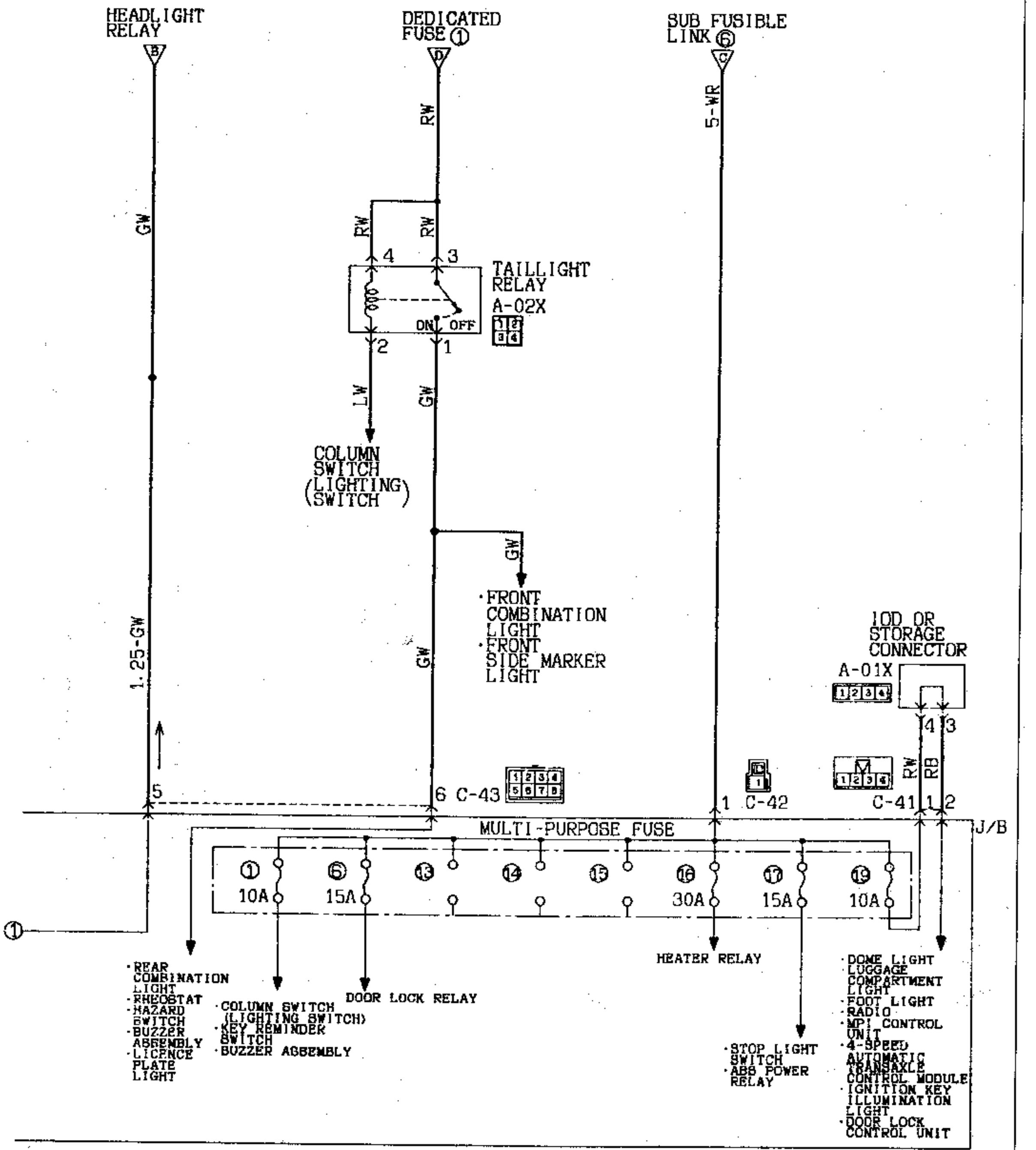


REMARKS
(1) THE ABOVE CIRCUIT DIAGRAM SHOWS THE CURRENT FLOW AT THE IGNITION KEY POSITIONS "ACC", "ON" AND "ST" COMBINED.
(2) BE SURE TRACE THE APPROPRIATE CIRCUIT DEPENDING ON THE IGNITION KEY POSITION.

TSB Revision



KX35-AC-U0111A-NN

TSB Revision

POWER DISTRIBUTION CIRCUIT

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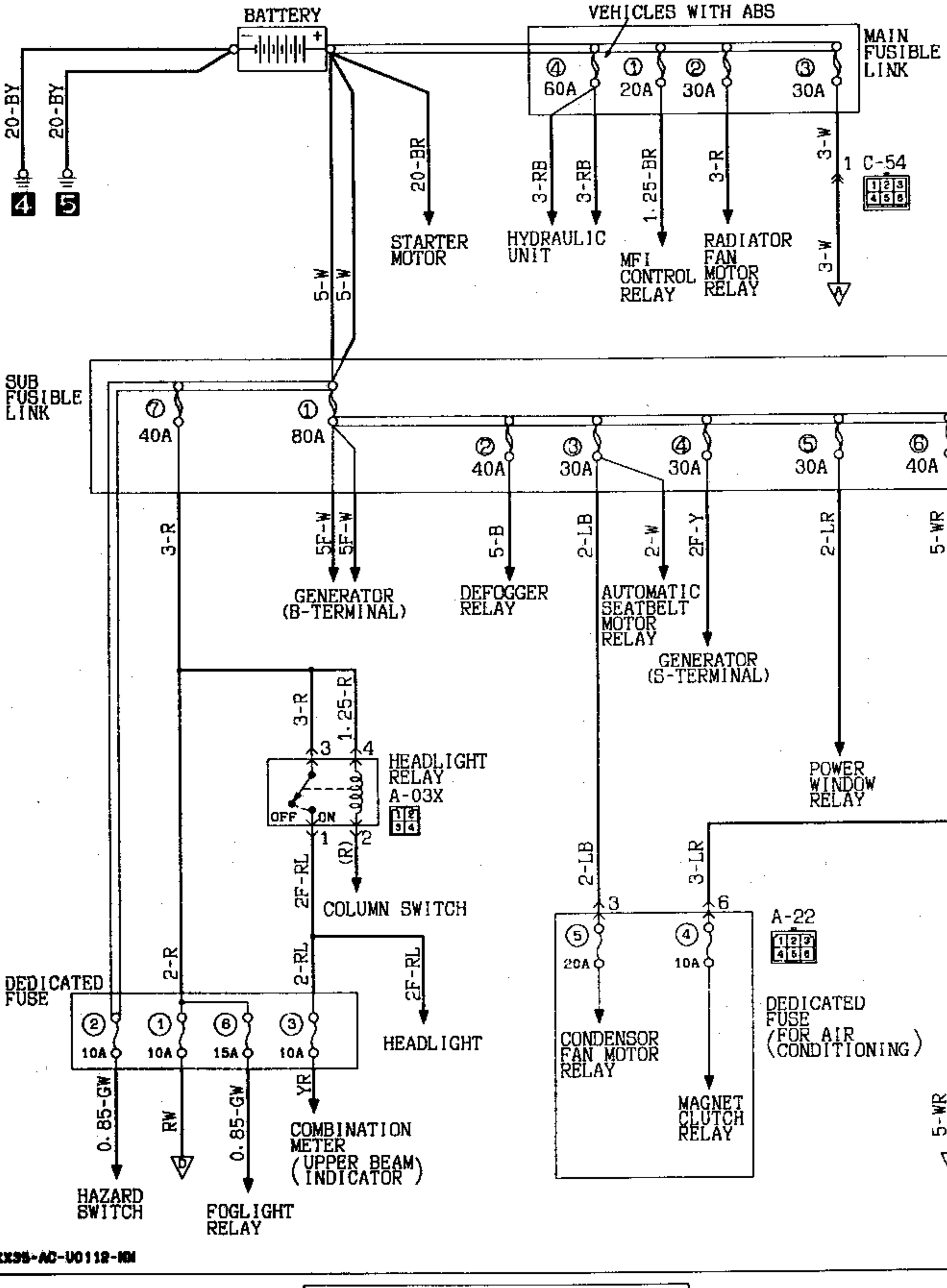
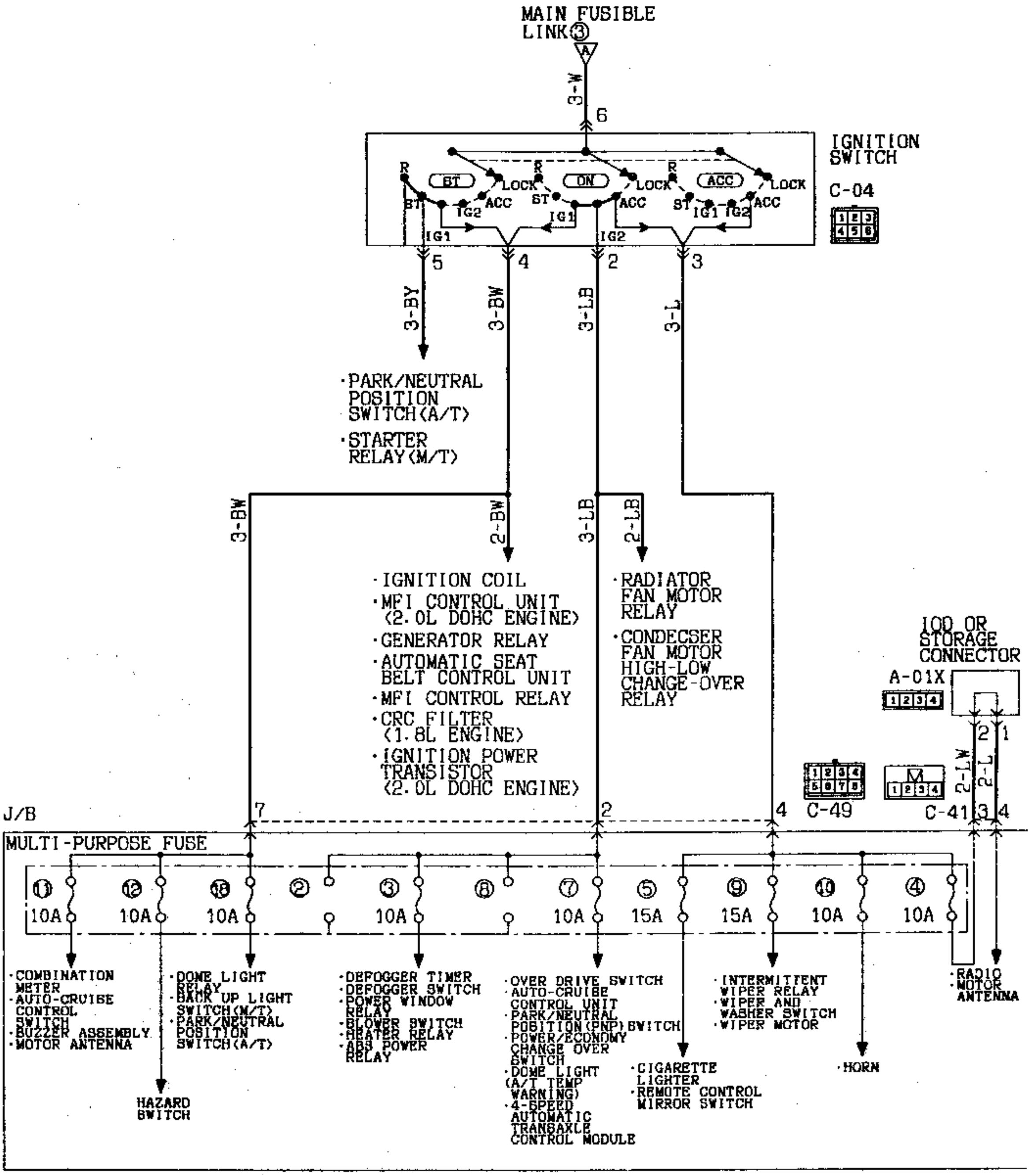


KX95-AC-U0112-KM

TSB Revision

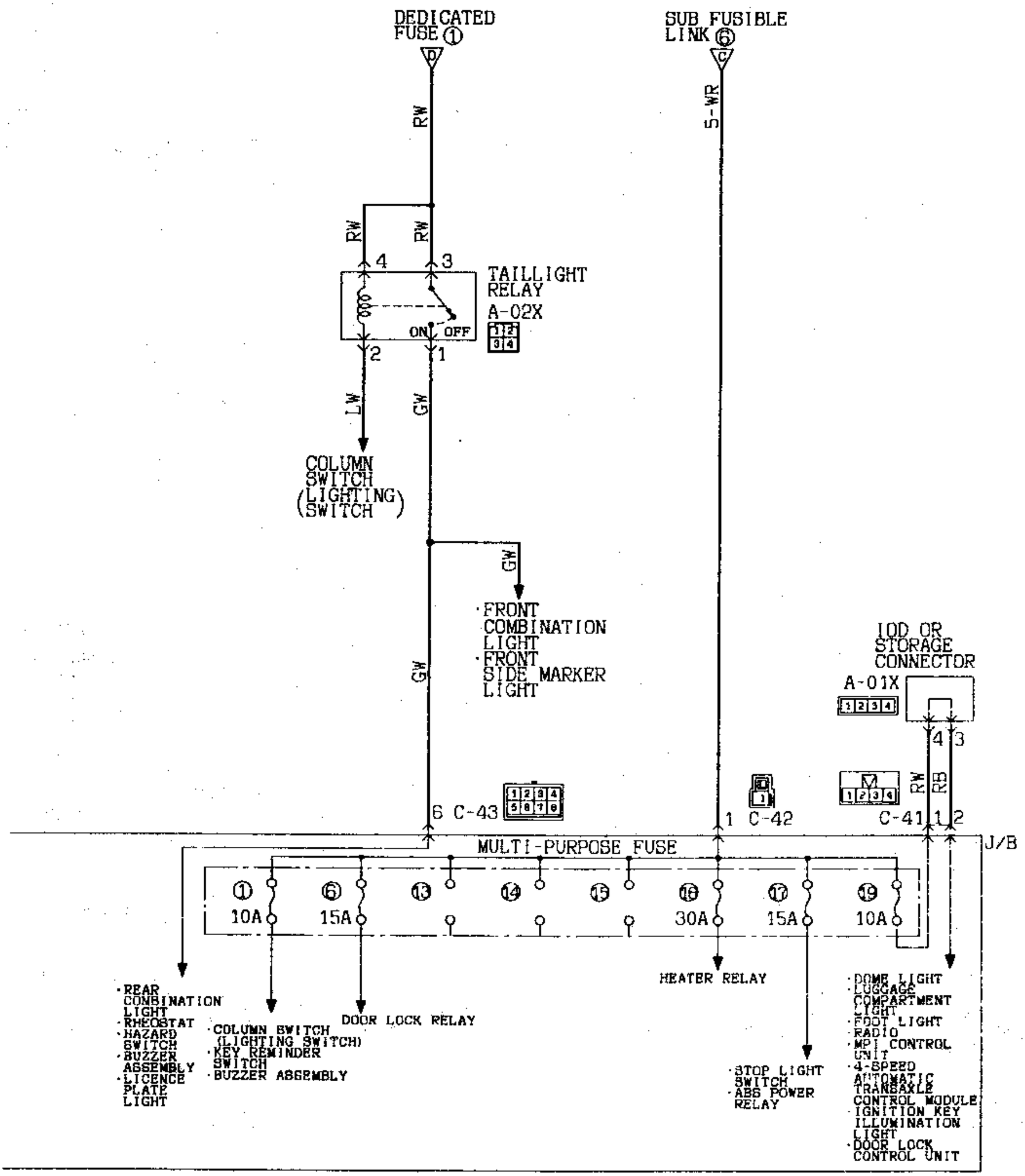


REMARKS
(1) THE ABOVE CIRCUIT DIAGRAM SHOWS THE CURRENT FLOW AT THE IGNITION KEY POSITIONS "ACC", "ON" AND "ST" COMBINED.
(2) BE SURE TRACE THE APPROPRIATE CIRCUIT DEPENDING ON THE IGNITION KEY POSITION.

TSB Revision

POWER DISTRIBUTION CIRCUIT (CONTINUED)

<FROM 1993 MODELS>



KX35-AC-U0112A-NM

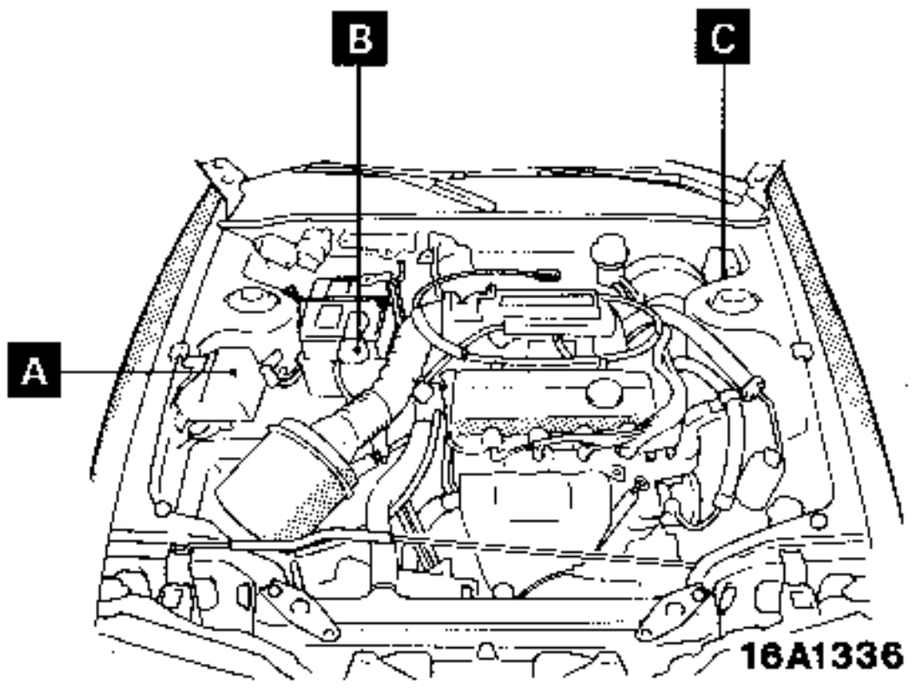
TSB Revision

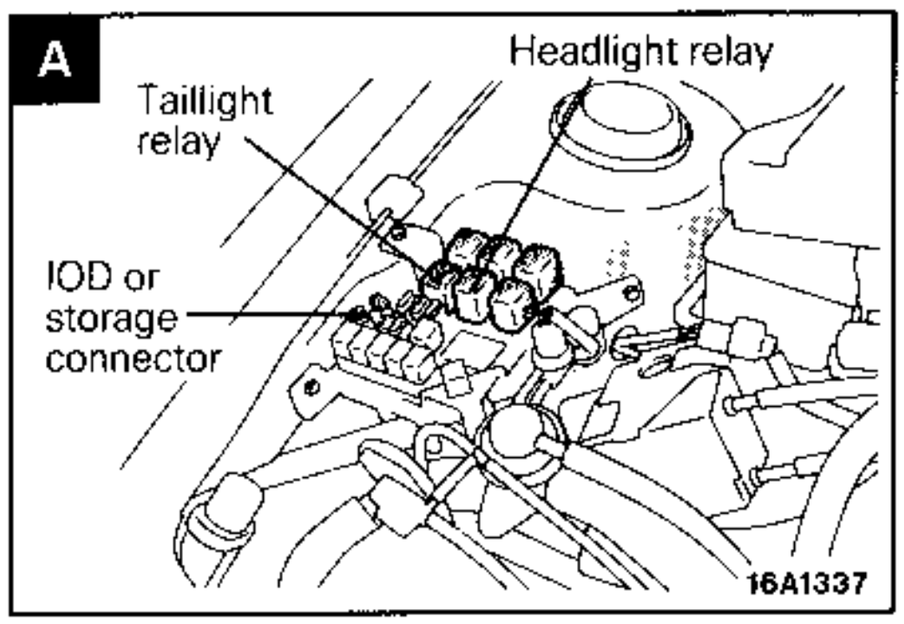
COMPONENT LOCATION

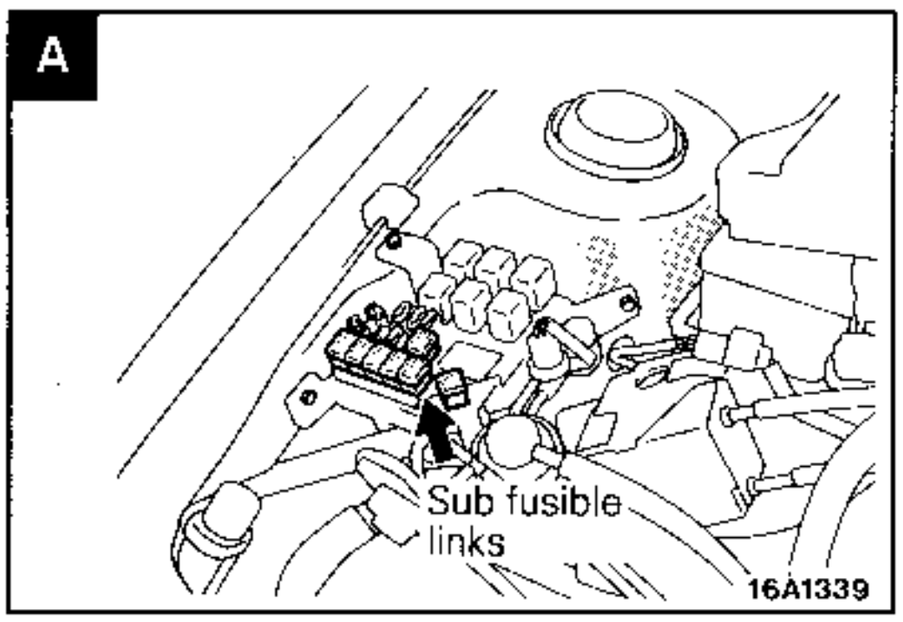
Name	Symbol	Name	Symbol
Dedicated fuses	A, C*	Multi-purpose fuse block	D
Headlight relay	A	Sub fusible links	A
IOD or storage connector	A	Taillight relay	A
Main fusible links	B	—	—

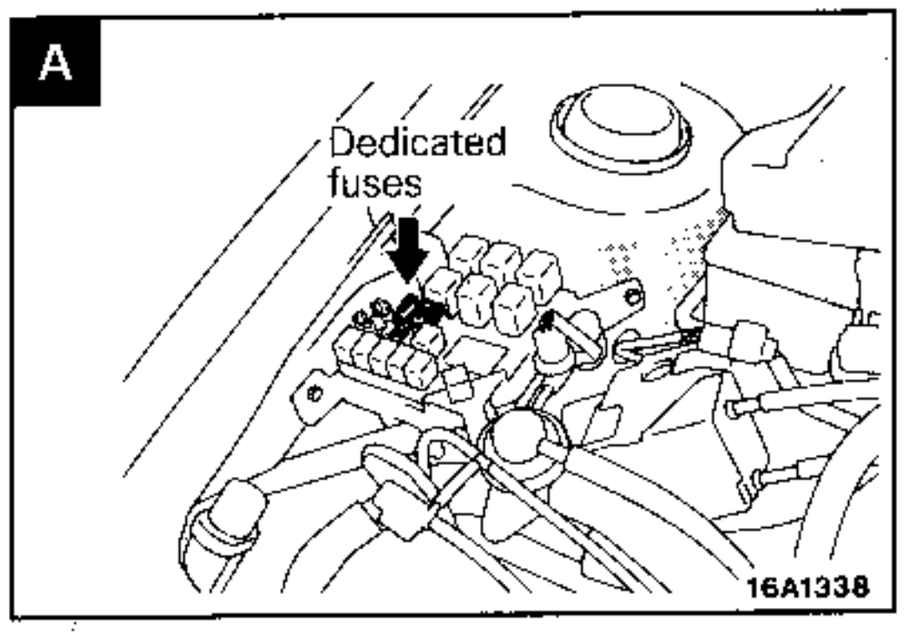
NOTE
(1) *: Air conditioning equipped models.
(2) The "Name" column is arranged in alphabetical order.

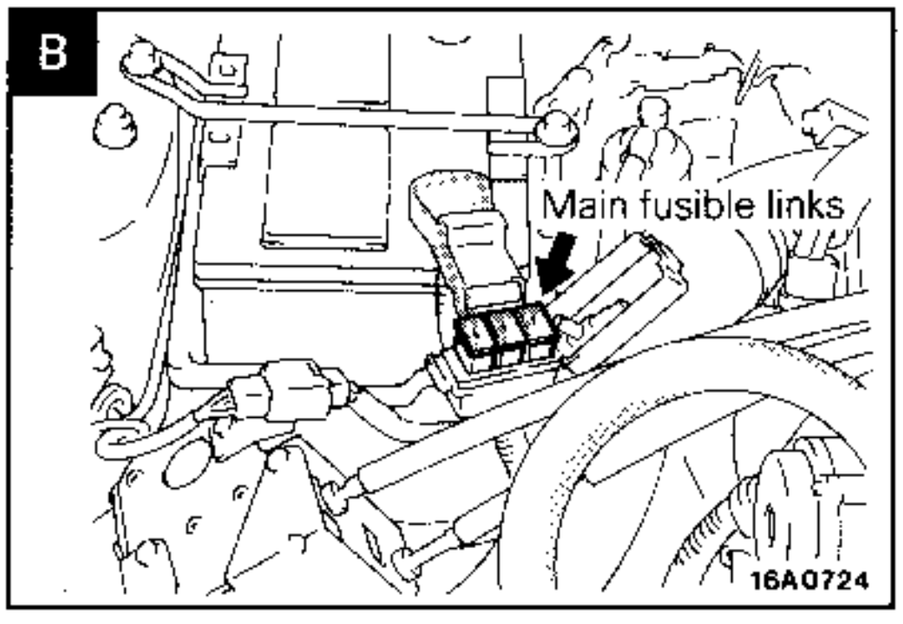
<Engine compartment>

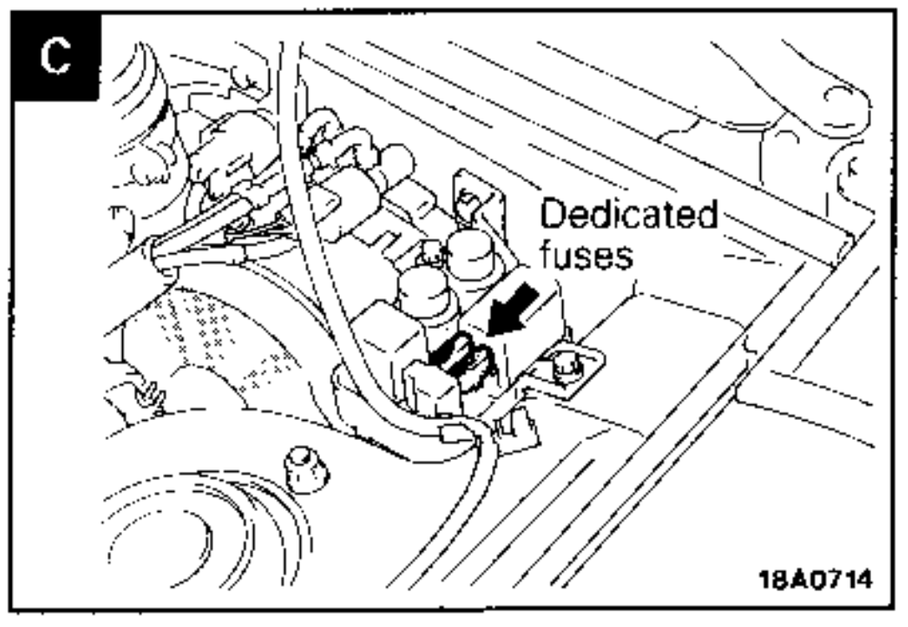






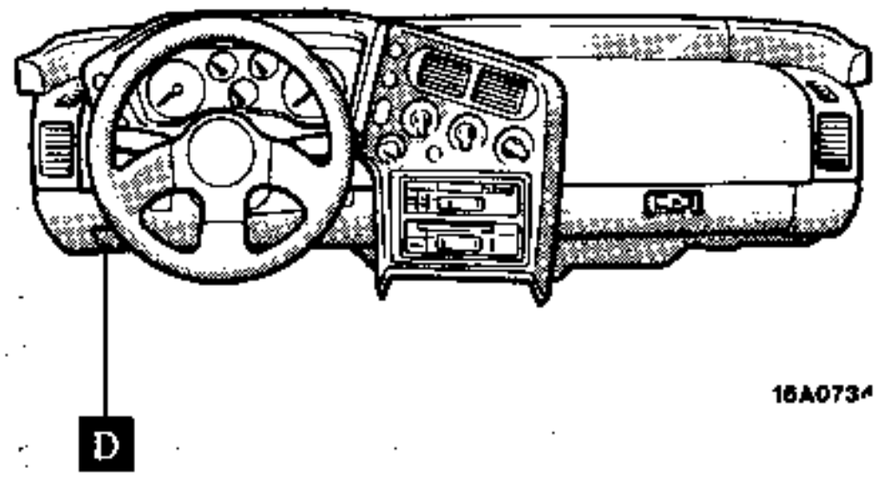


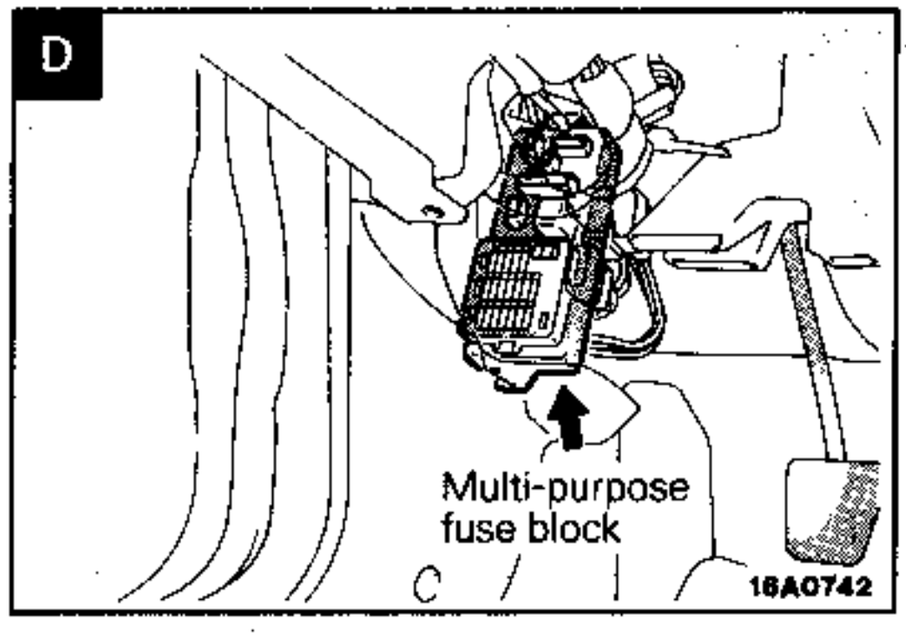




TSB Revision

<Interior>

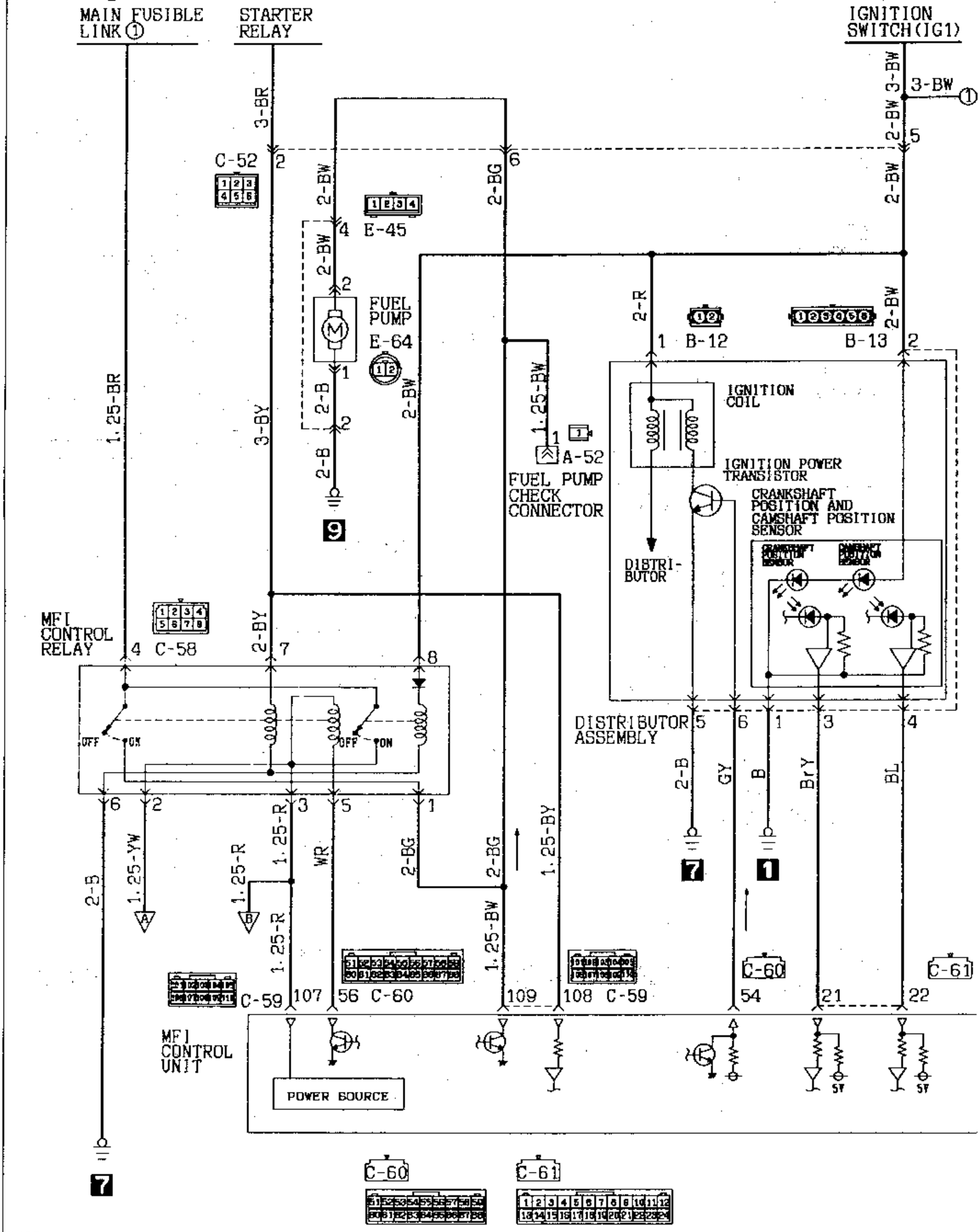




TSB Revision

MFI CIRCUIT

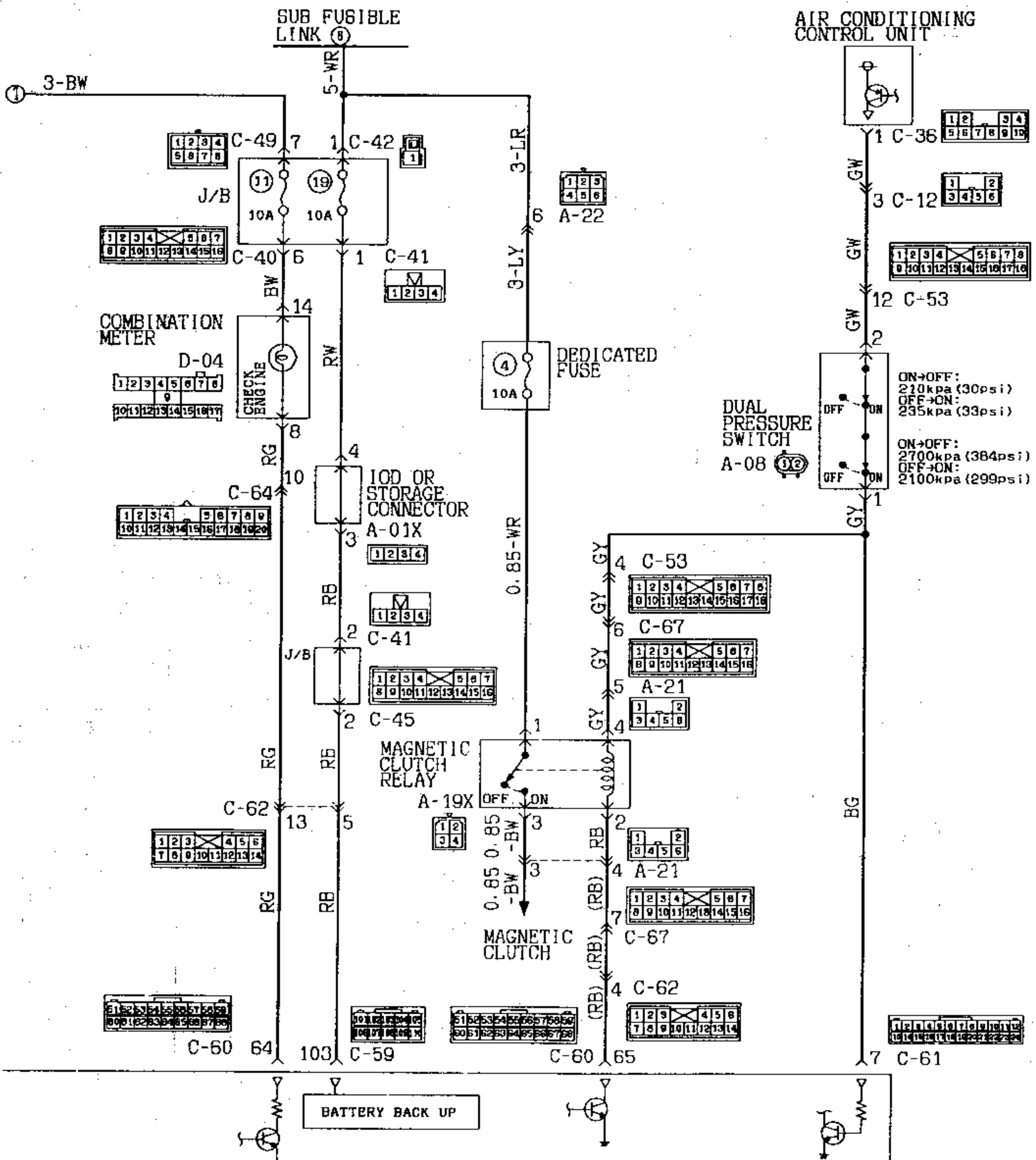
1.8L Engine <M/T>



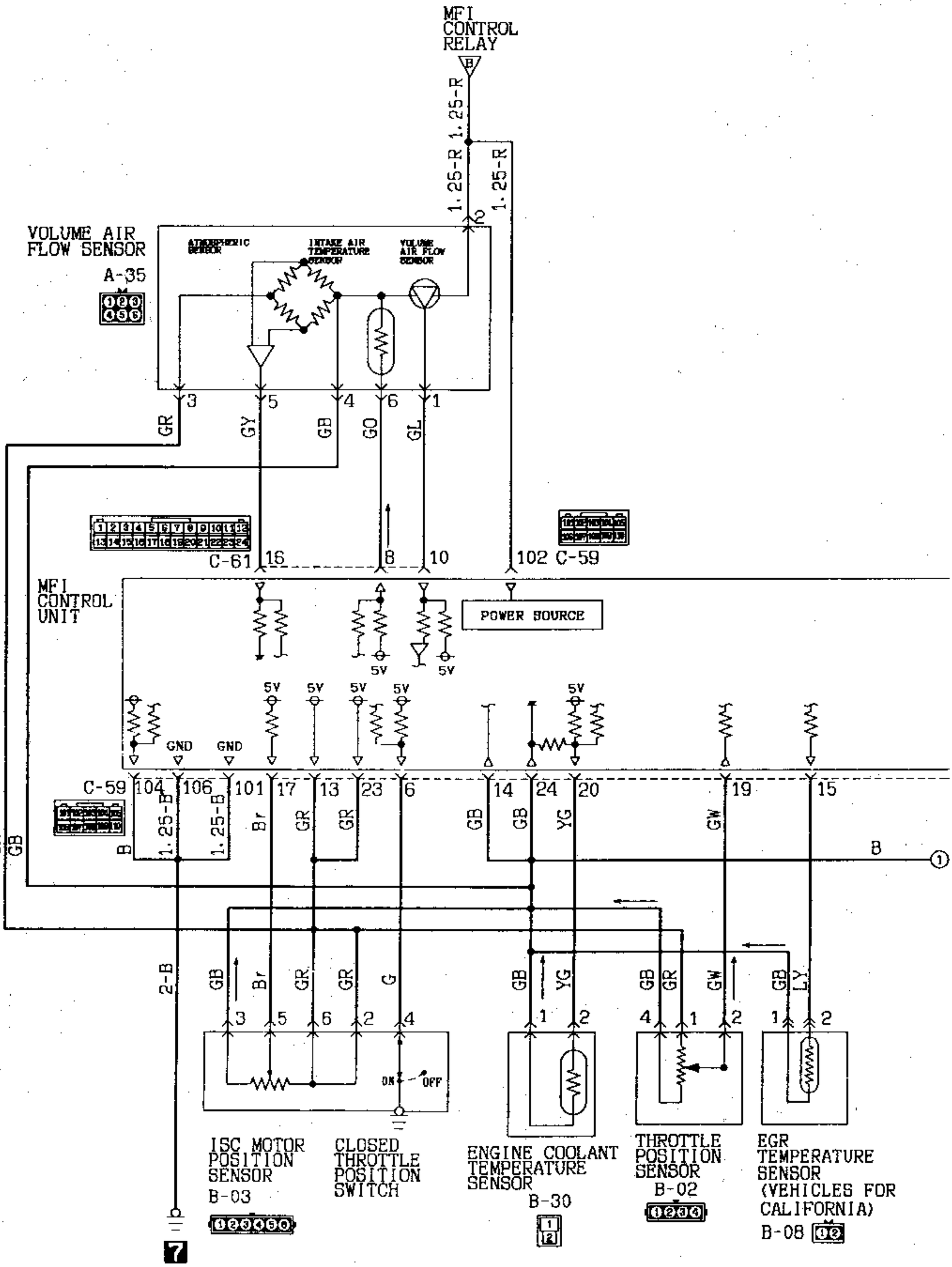
TSB Revision

MFI CIRCUIT (CONTINUED)

1.8L Engine <M/T>



TSB Revision

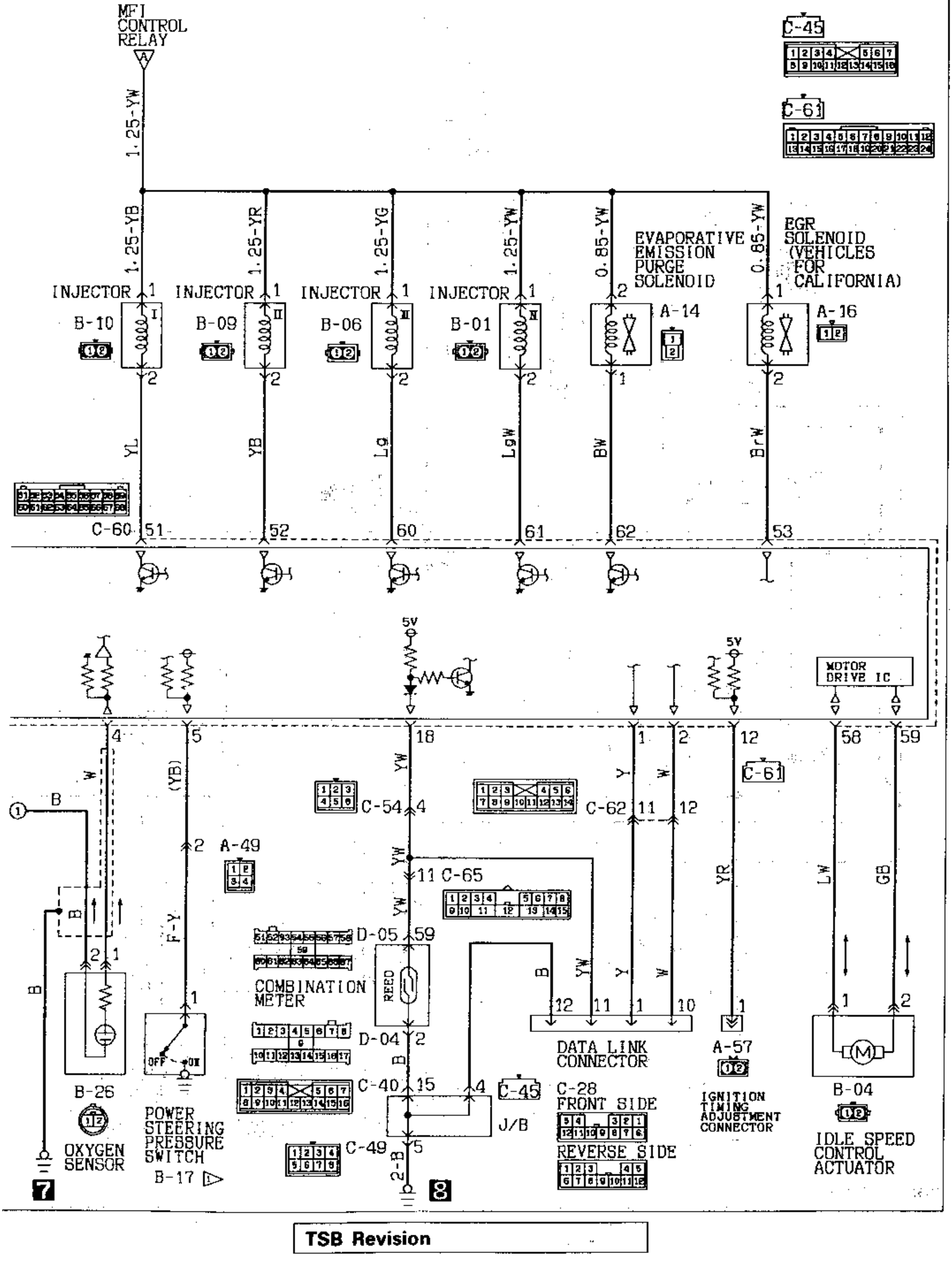


KX35-AC-U0520A-NN

TSB Revision

MFI CIRCUIT (CONTINUED)

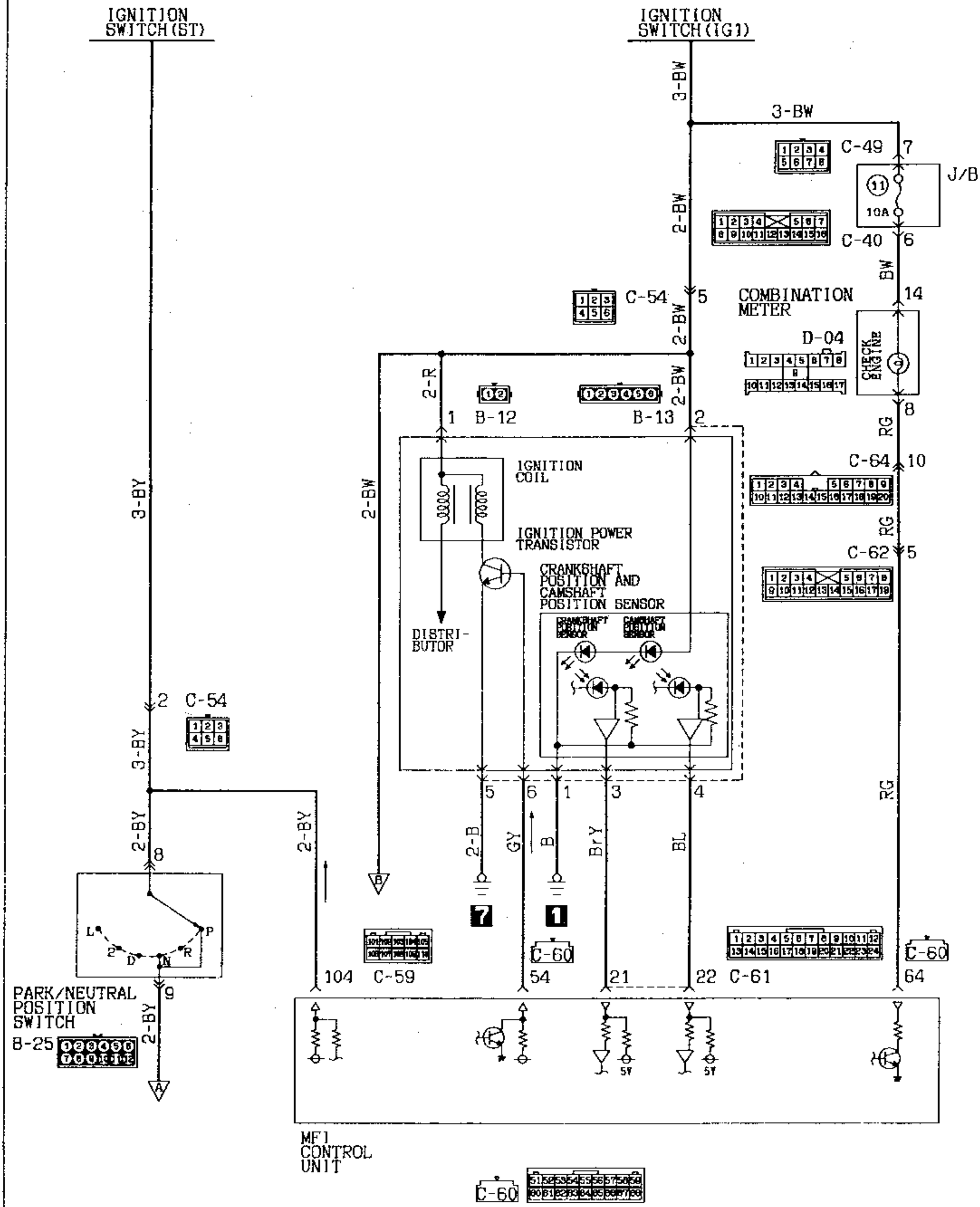
1.8L Engine <M/T>



TSB Revision

MFI CIRCUIT <1992 MODELS>

1.8L Engine <A/T>

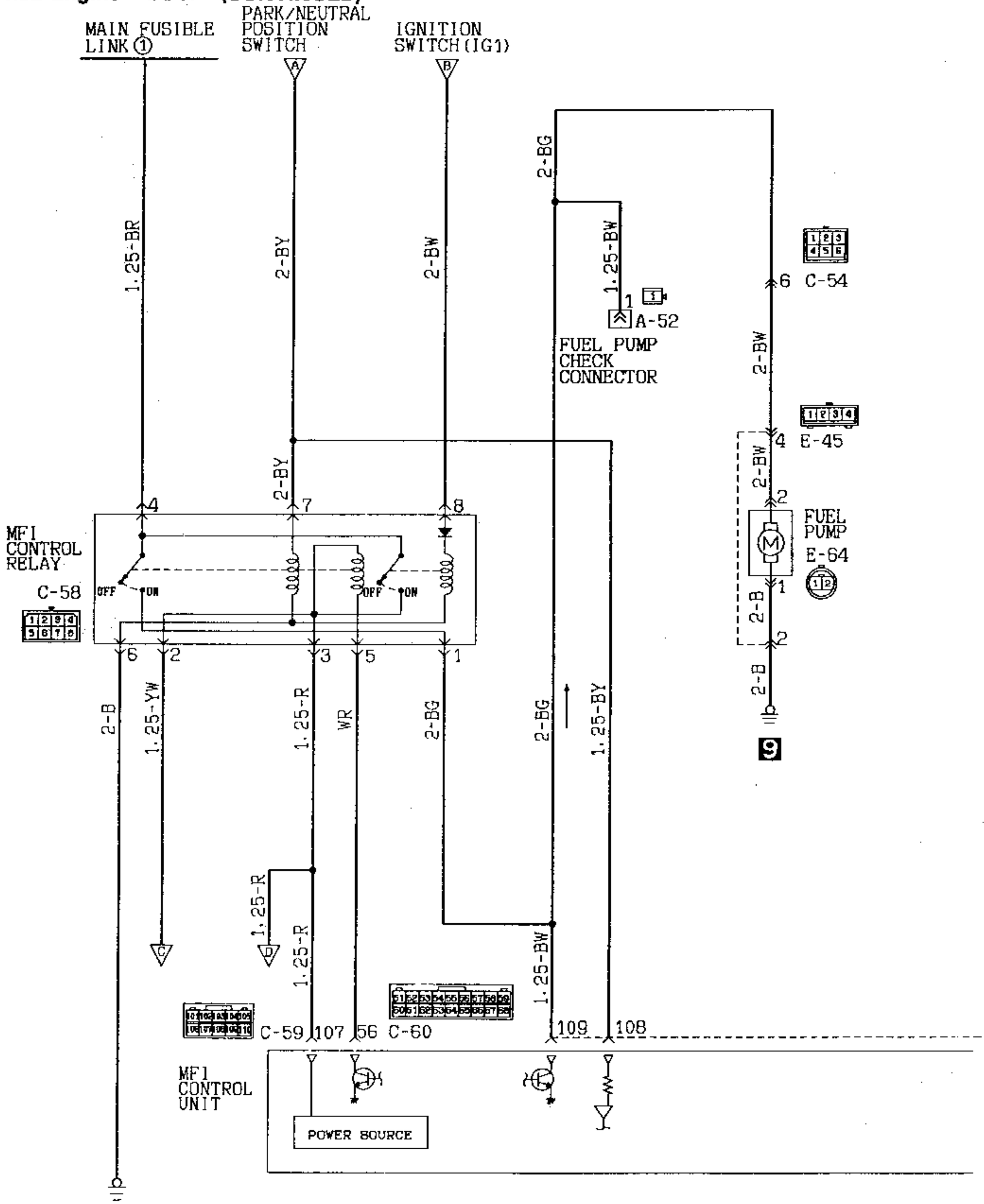


KX35-AC-U0521-NM

TSB Revision

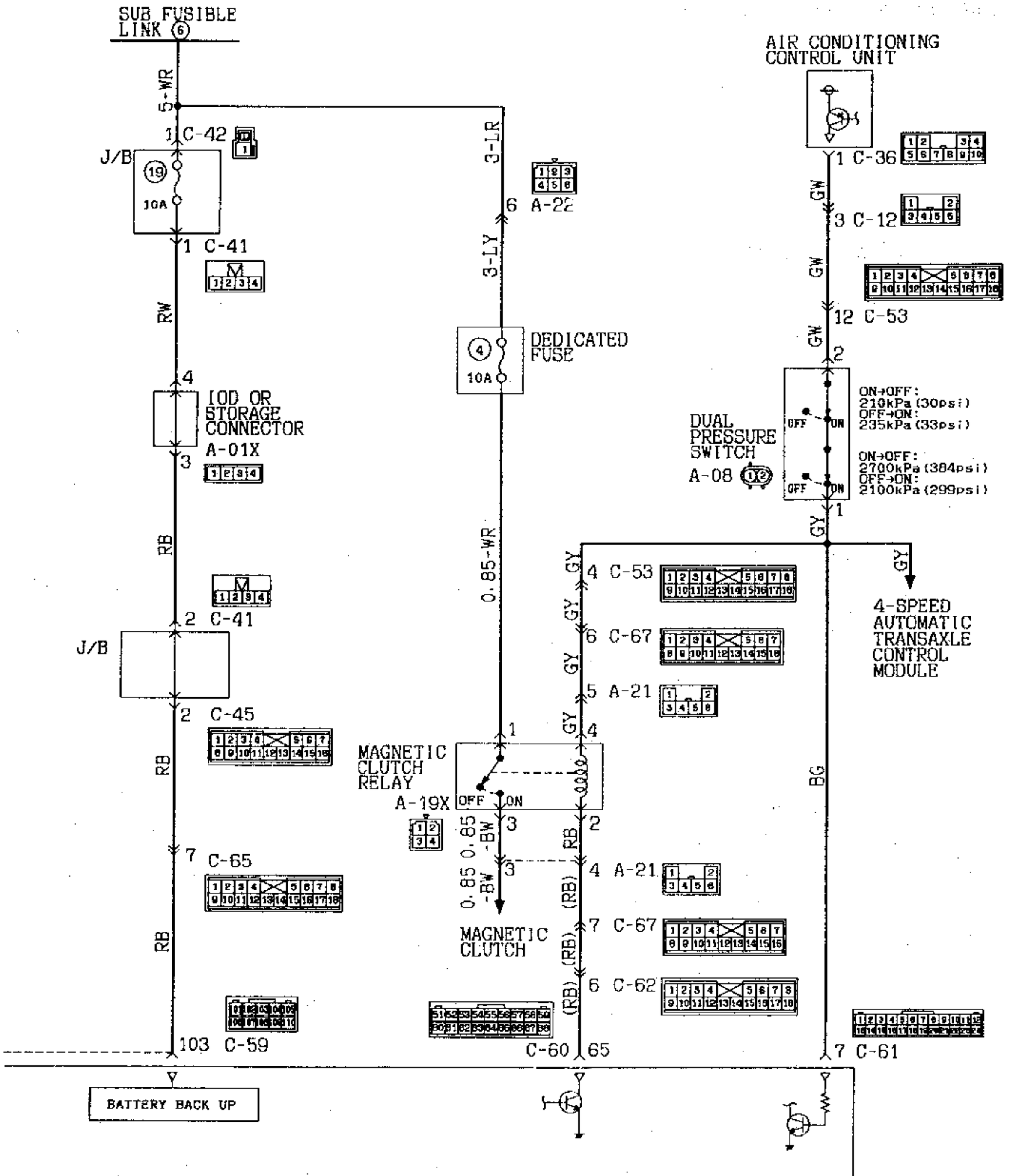
MFI CIRCUIT <1992 MODELS>

1.8L Engine <A/T> (CONTINUED)



KX35-AC-U0521A-NM

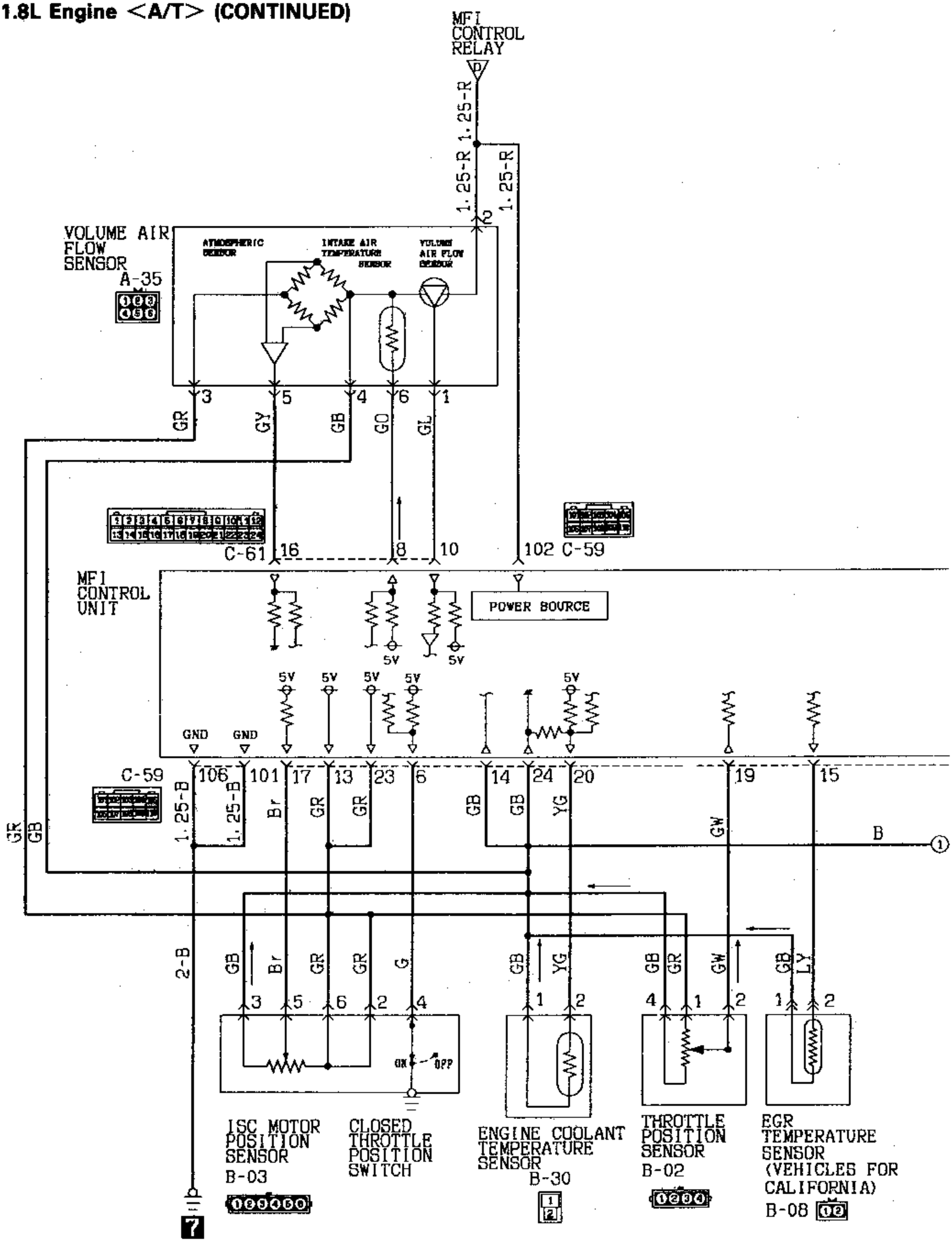
TSB Revision



TSB Revision

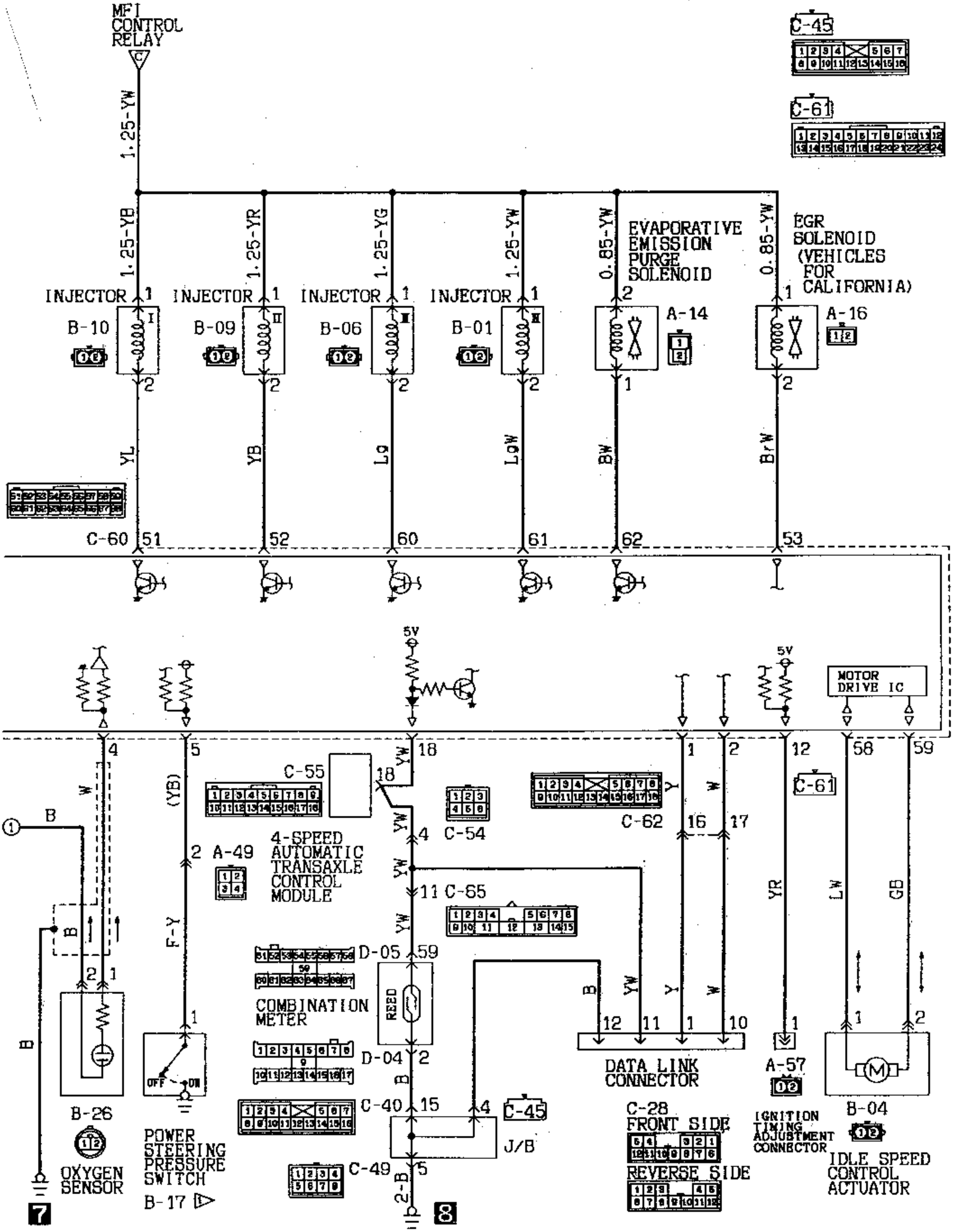
MFI CIRCUIT <1992 MODELS>

1.8L Engine <A/T> (CONTINUED)



KX35-AC-U05218-NN

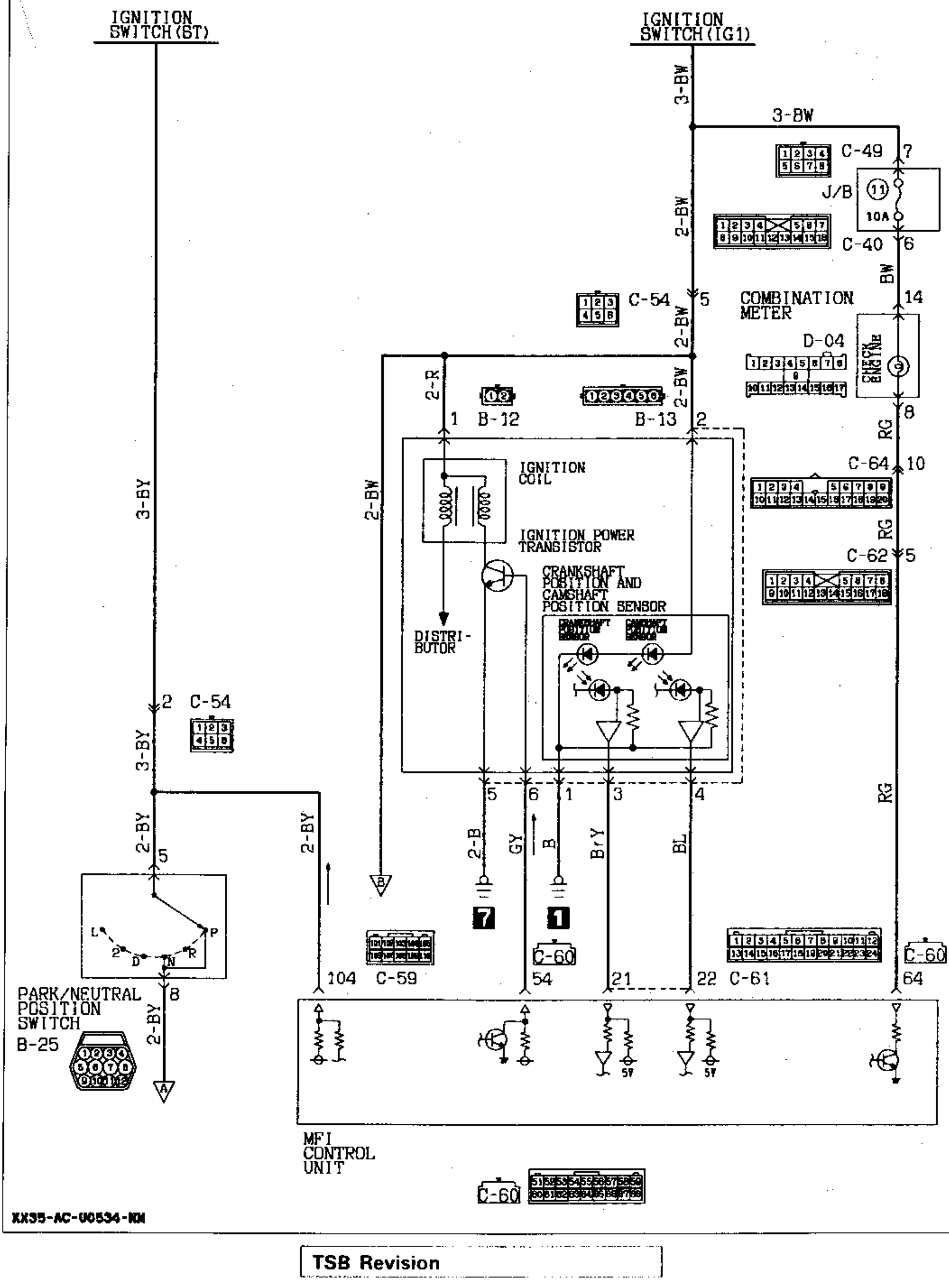
TSB Revision



TSB Revision

MFI CIRCUIT <FROM 1993 MODELS>

1.8L Engine <A/T>

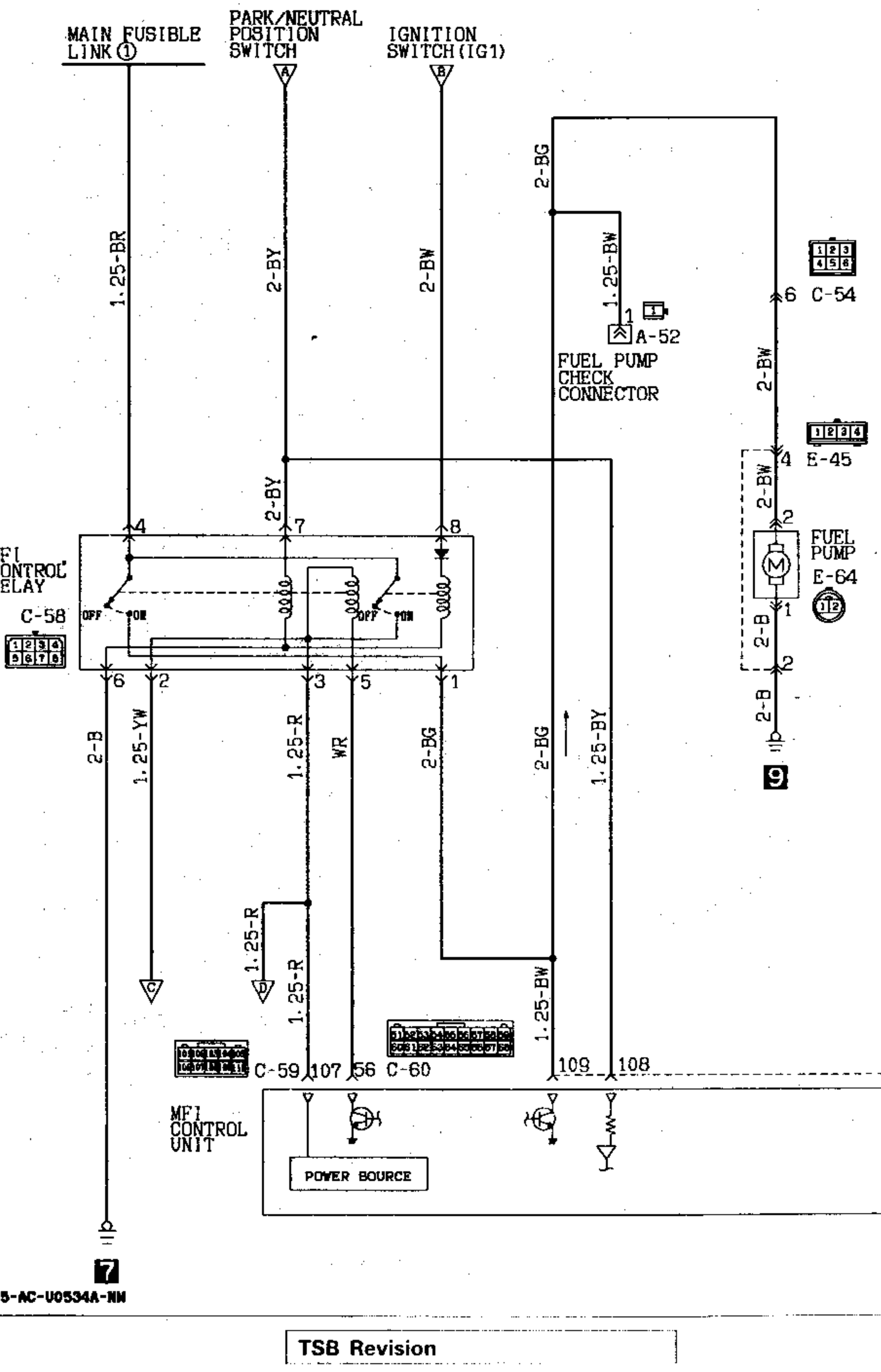


XX35-AC-00534-NM

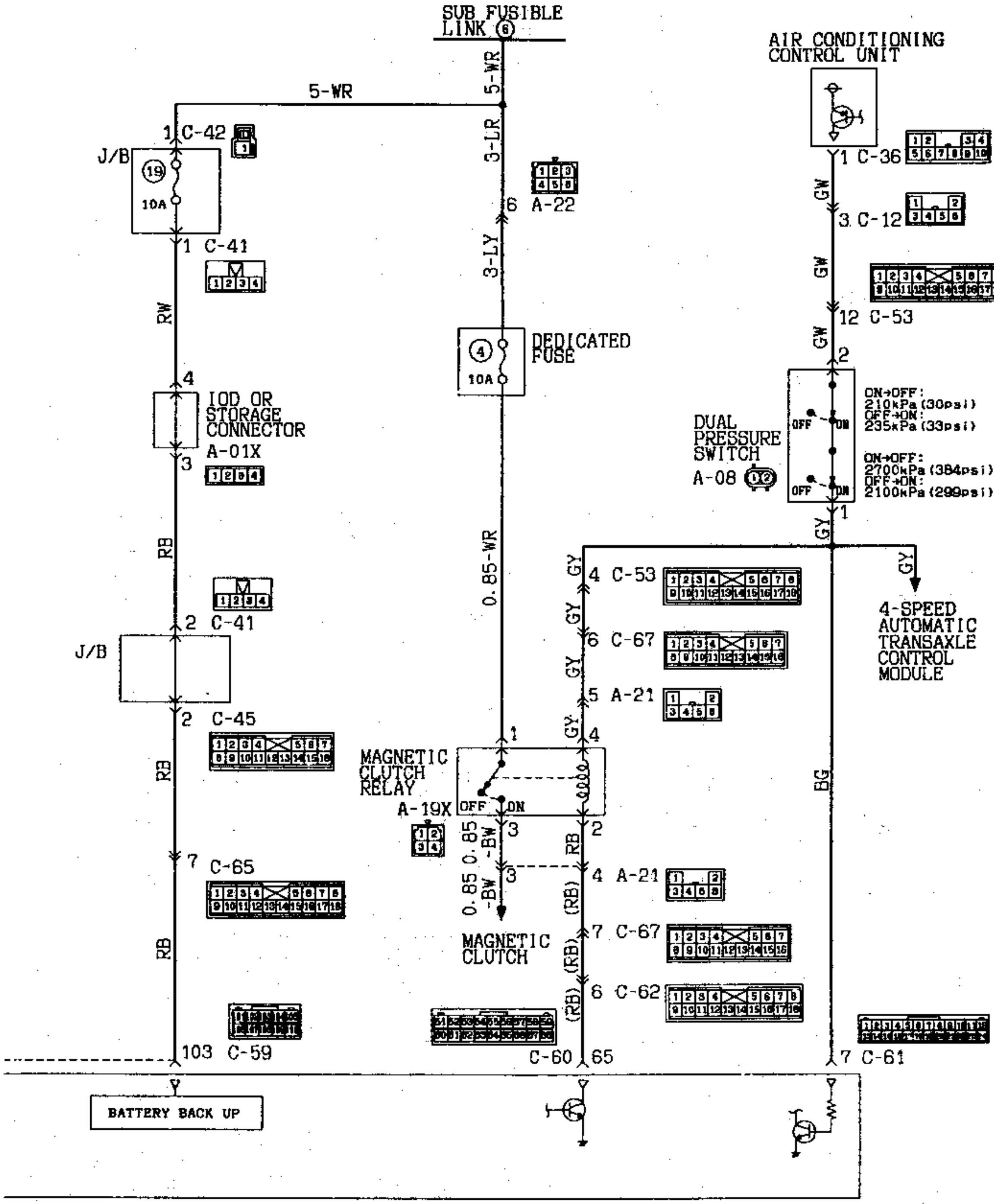
TSB Revision

MFI CIRCUIT <FROM 1993 MODELS>

1.8L Engine <A/T> (CONTINUED)



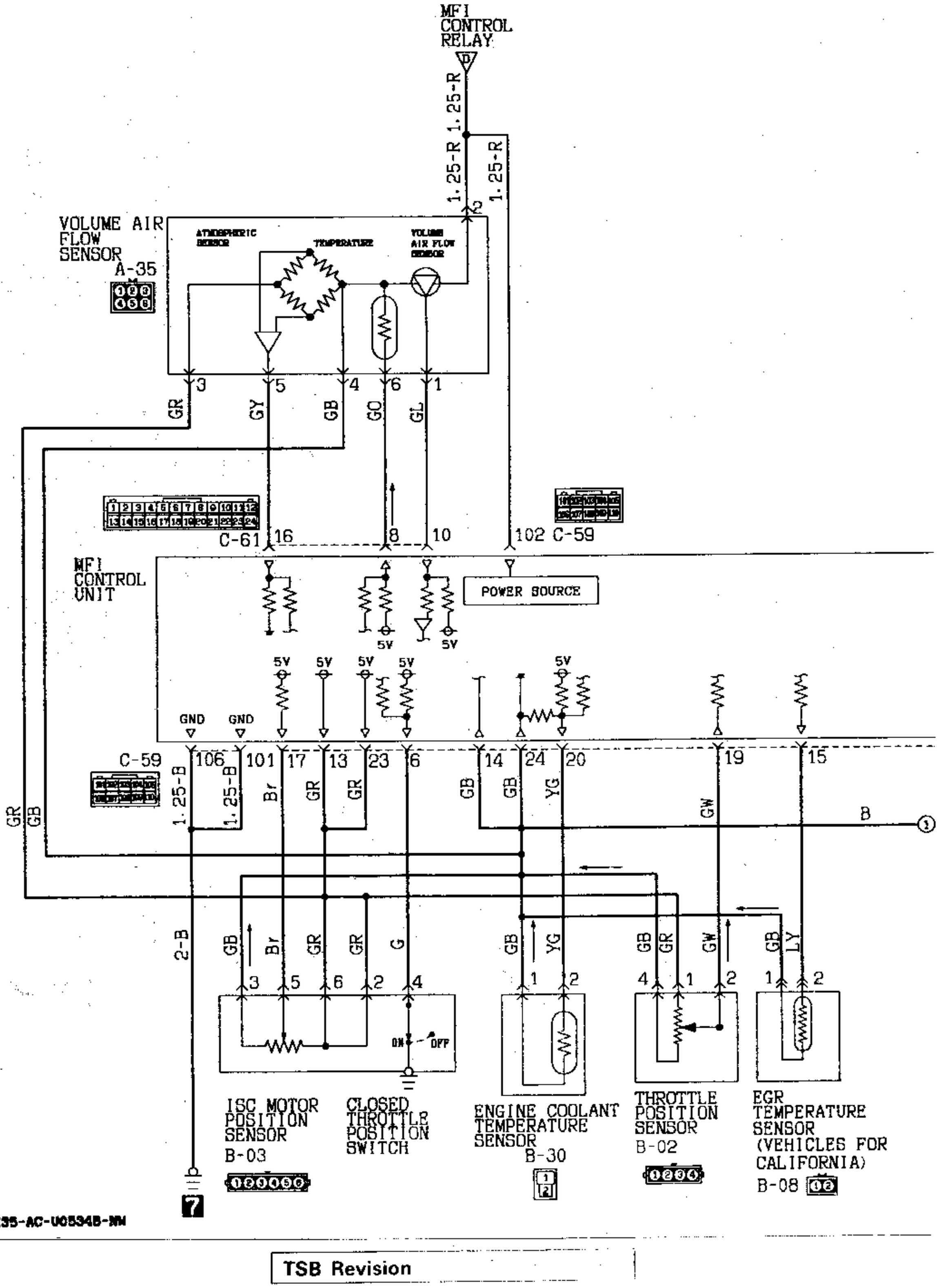
TSB Revision



TSB Revision

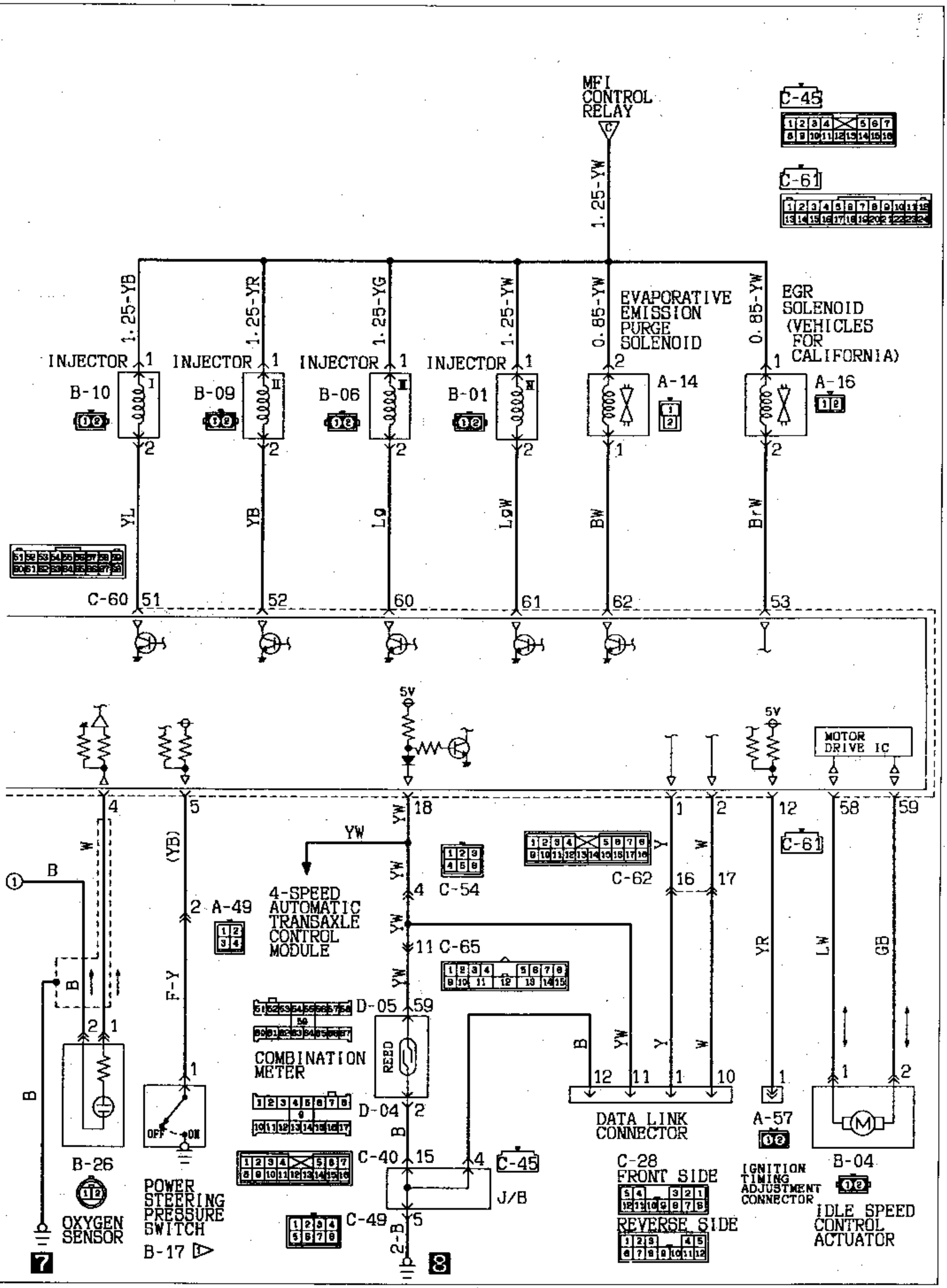
MFI CIRCUIT <FROM 1993 MODELS>

1.8L Engine <A/T> (CONTINUED)



XX35-AC-U0534B-NN

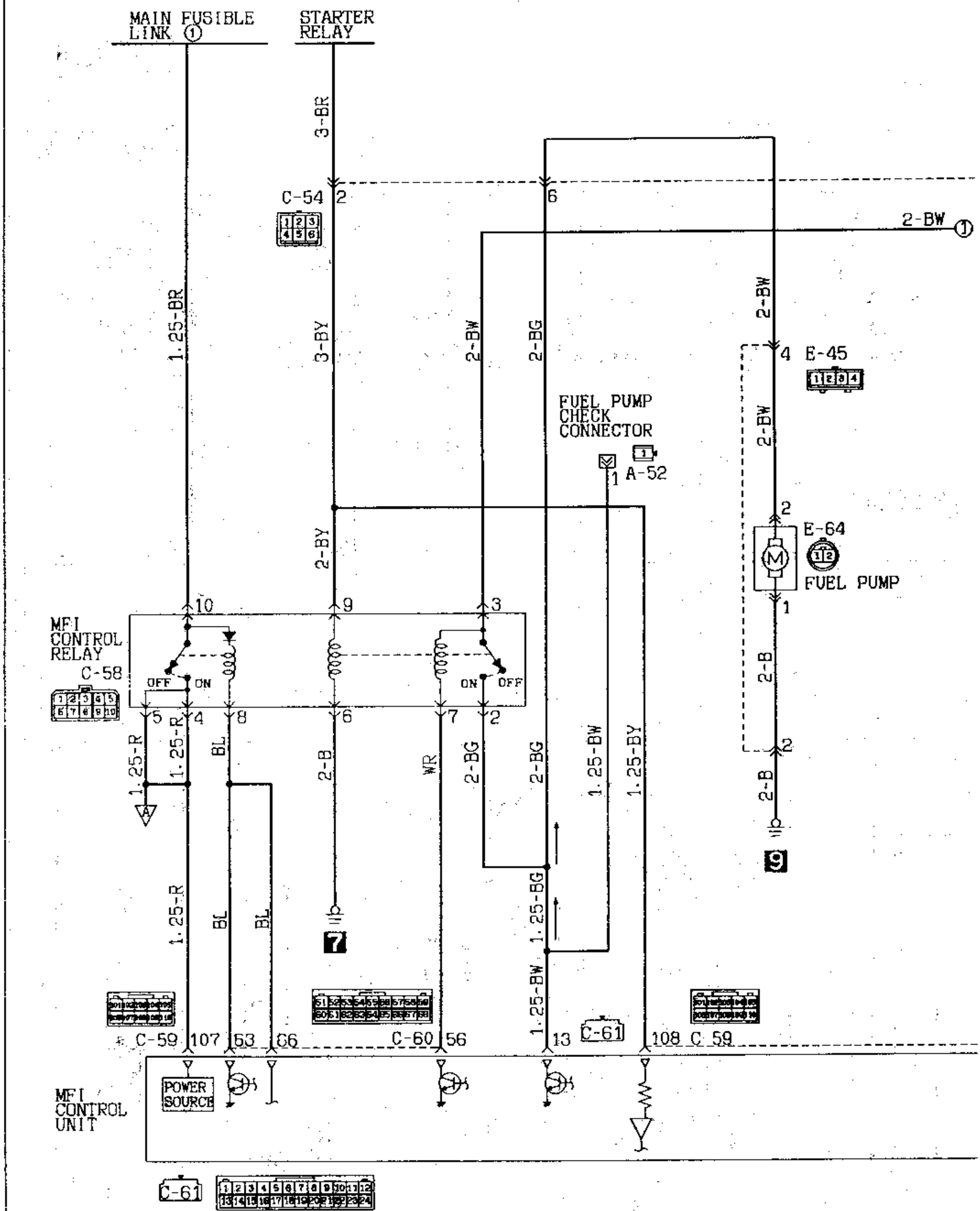
TSB Revision



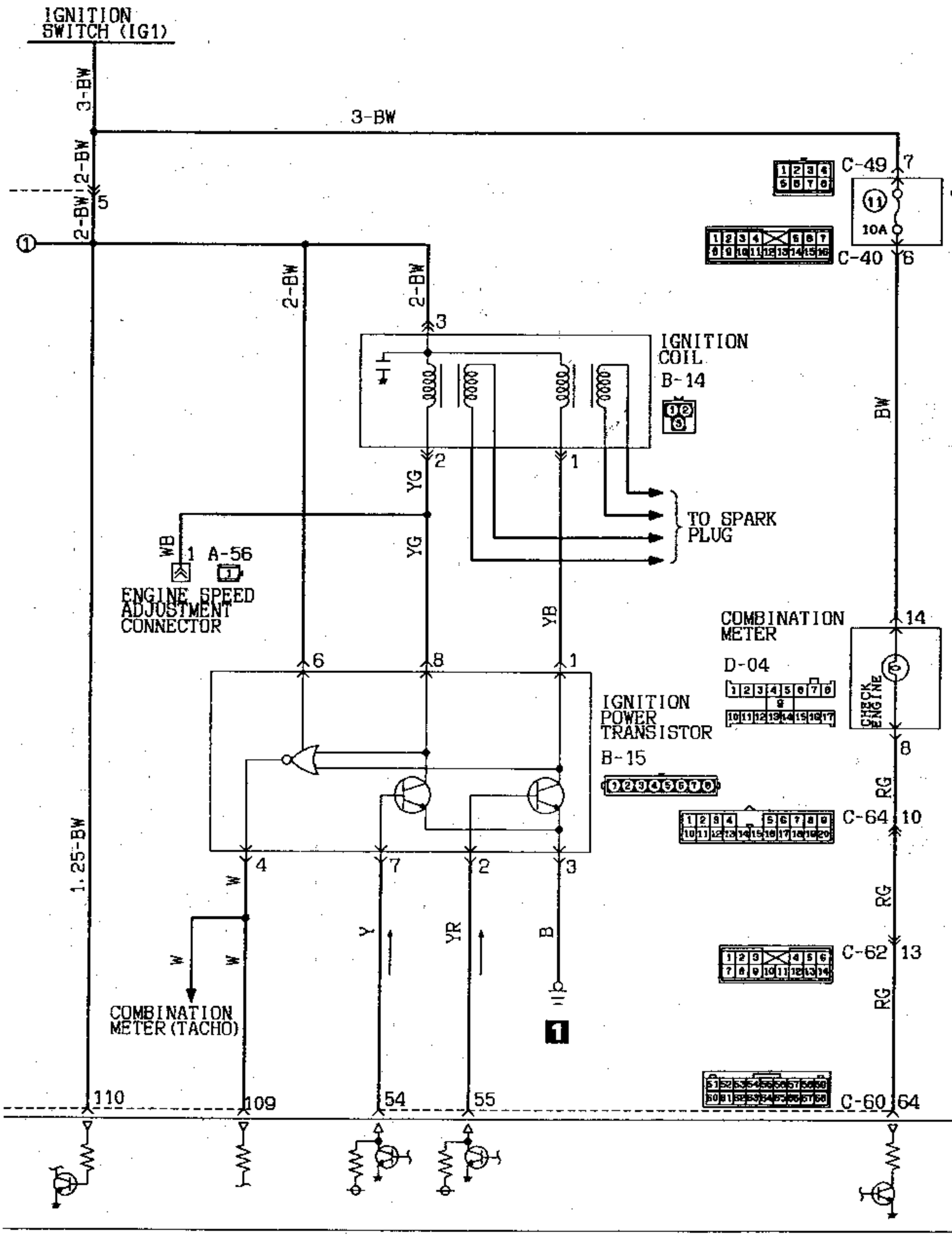
TSB Revision

MFI CIRCUIT

2.0L DOHC Engine (Non-Turbo) <M/T>



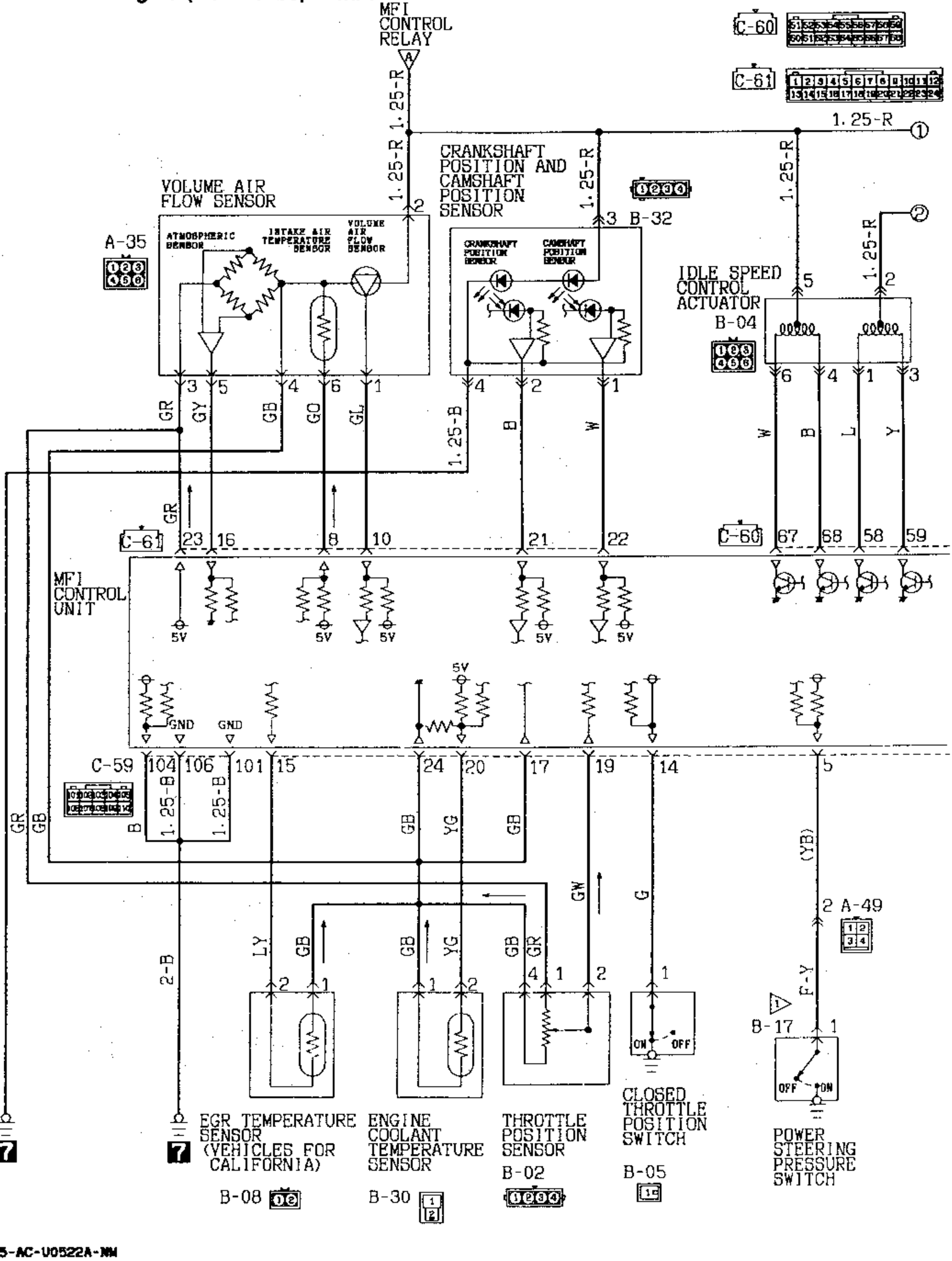
TSB Revision



TSB Revision

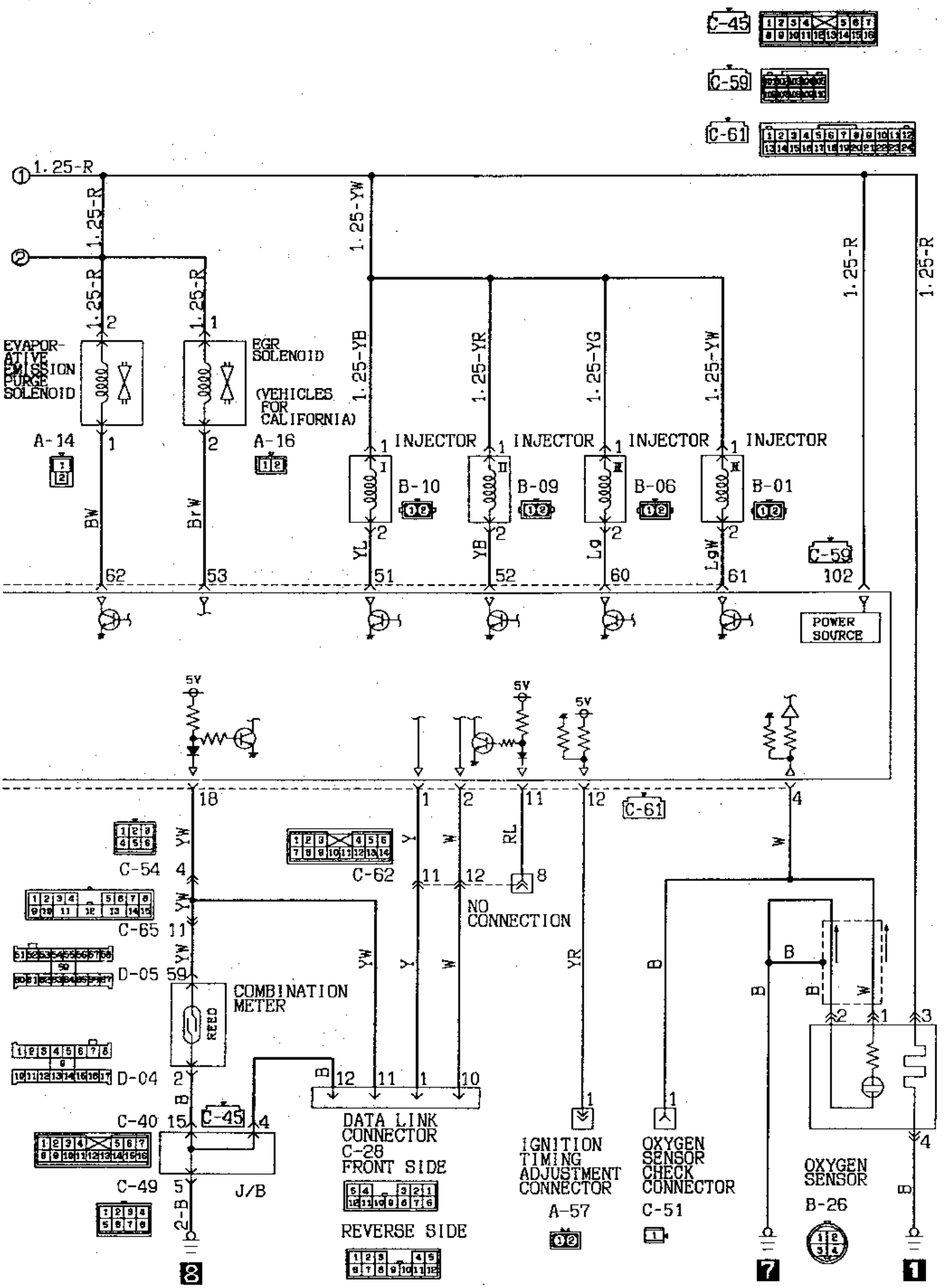
MFI CIRCUIT (CONTINUED)

2.0L DOHC Engine (Non-Turbo) <M/T>



KX35-AC-U0522A-NM

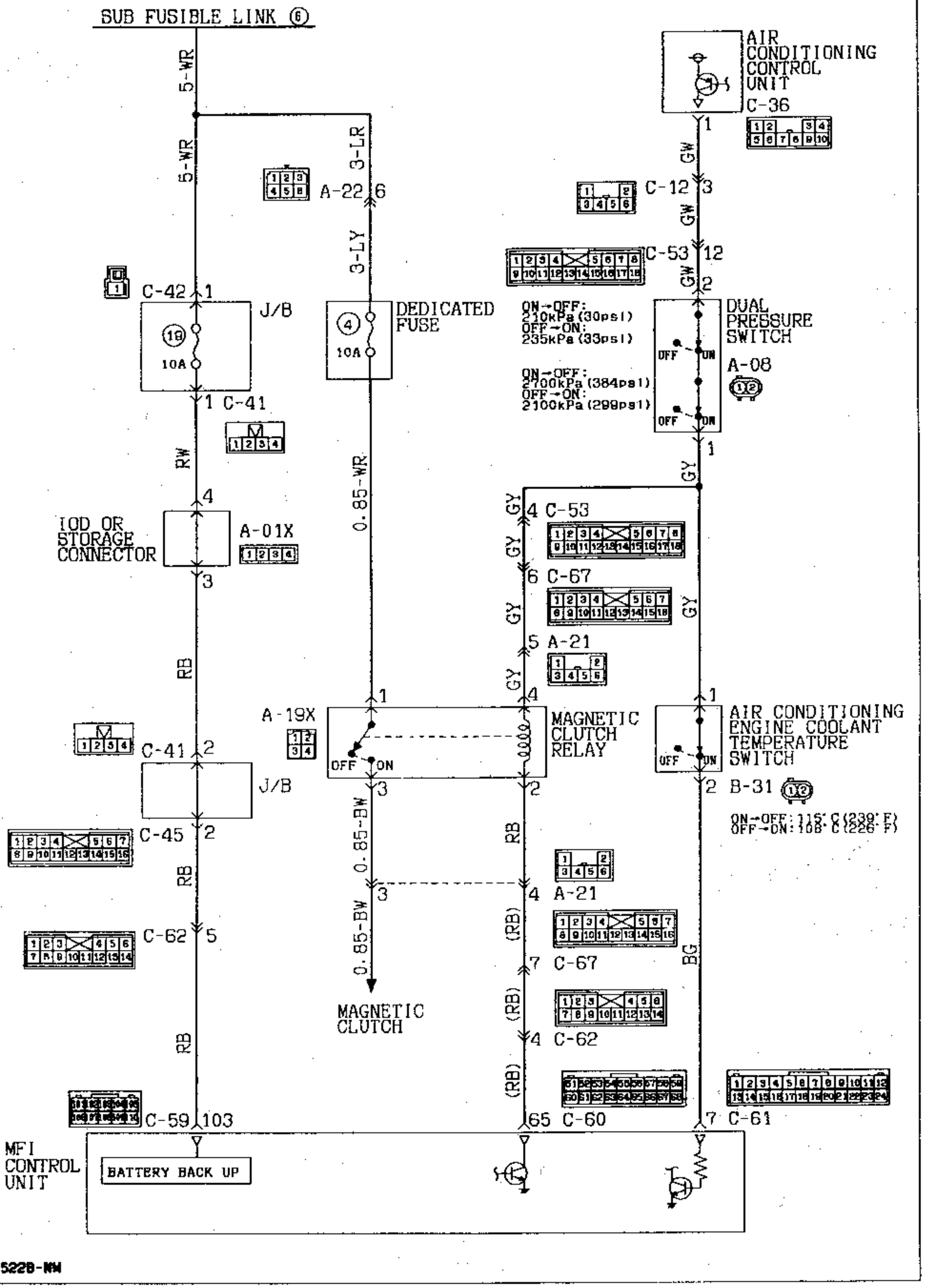
TSB Revision



TSB Revision

MFI CIRCUIT (CONTINUED)

2.0L DOHC Engine (Non-Turbo) <M/T>

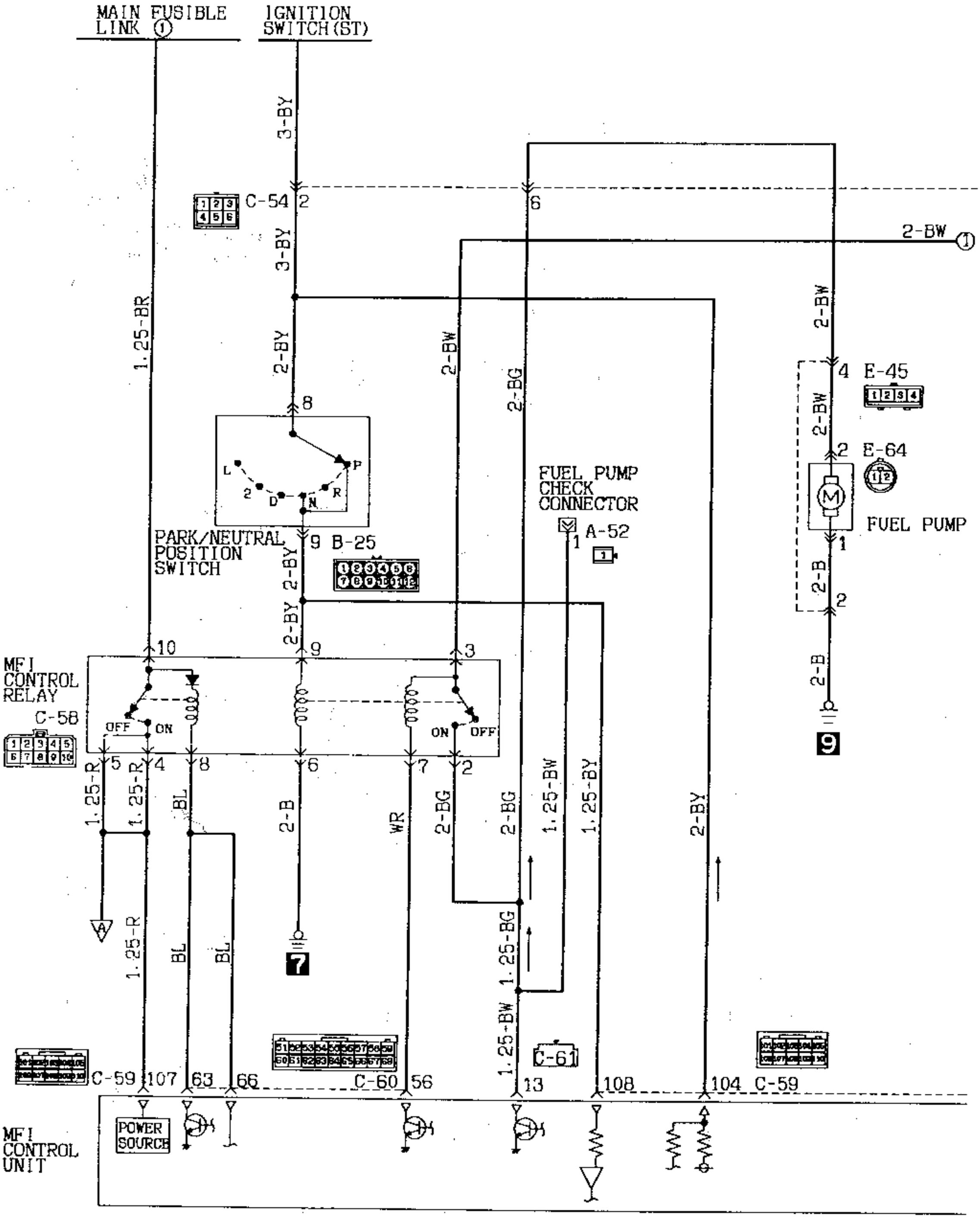


XX35-AC-U0522B-MM

TSB Revision

MFI CIRCUIT <1992 MODELS>

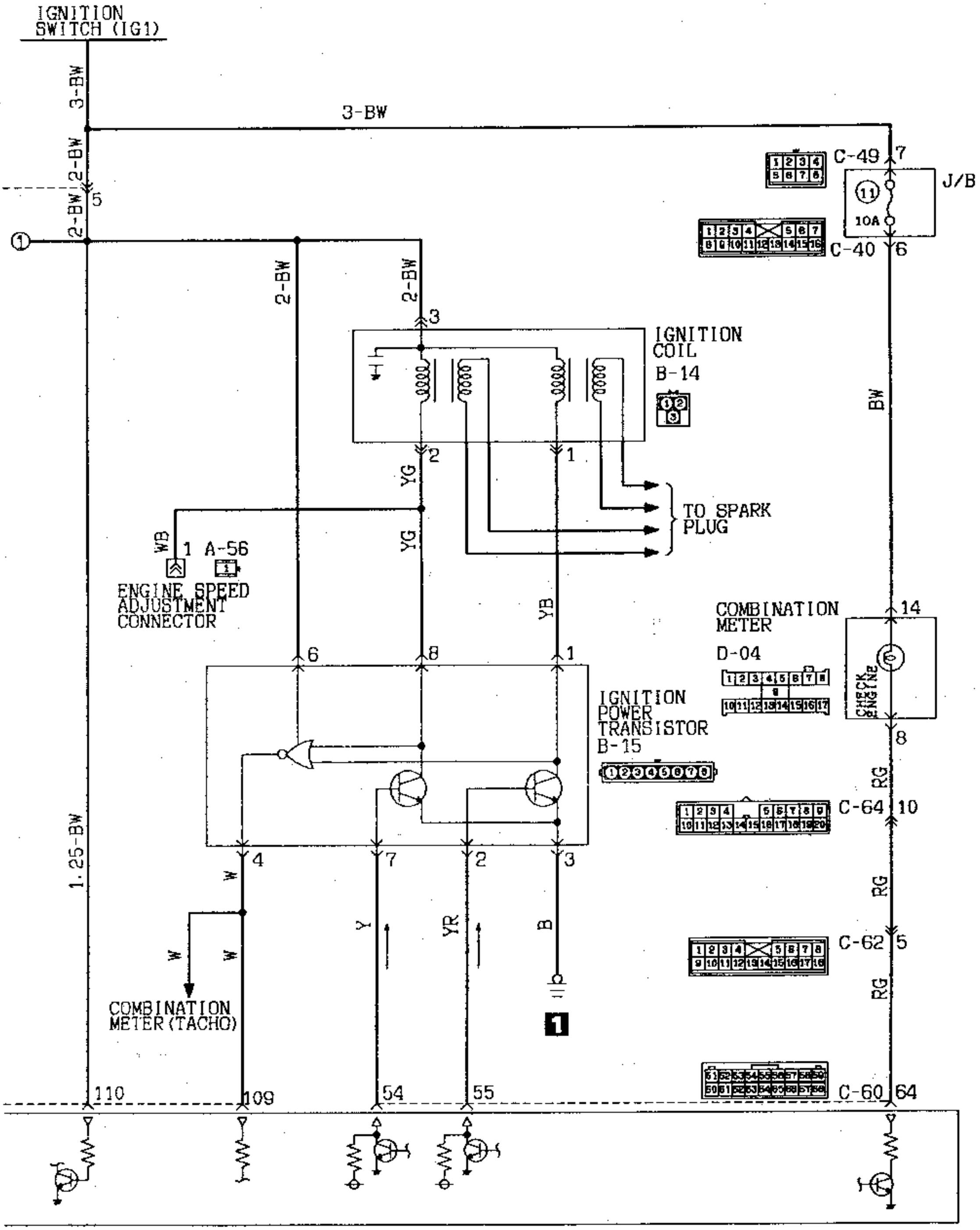
2.0L DOHC Engine (Non-Turbo) <A/T>



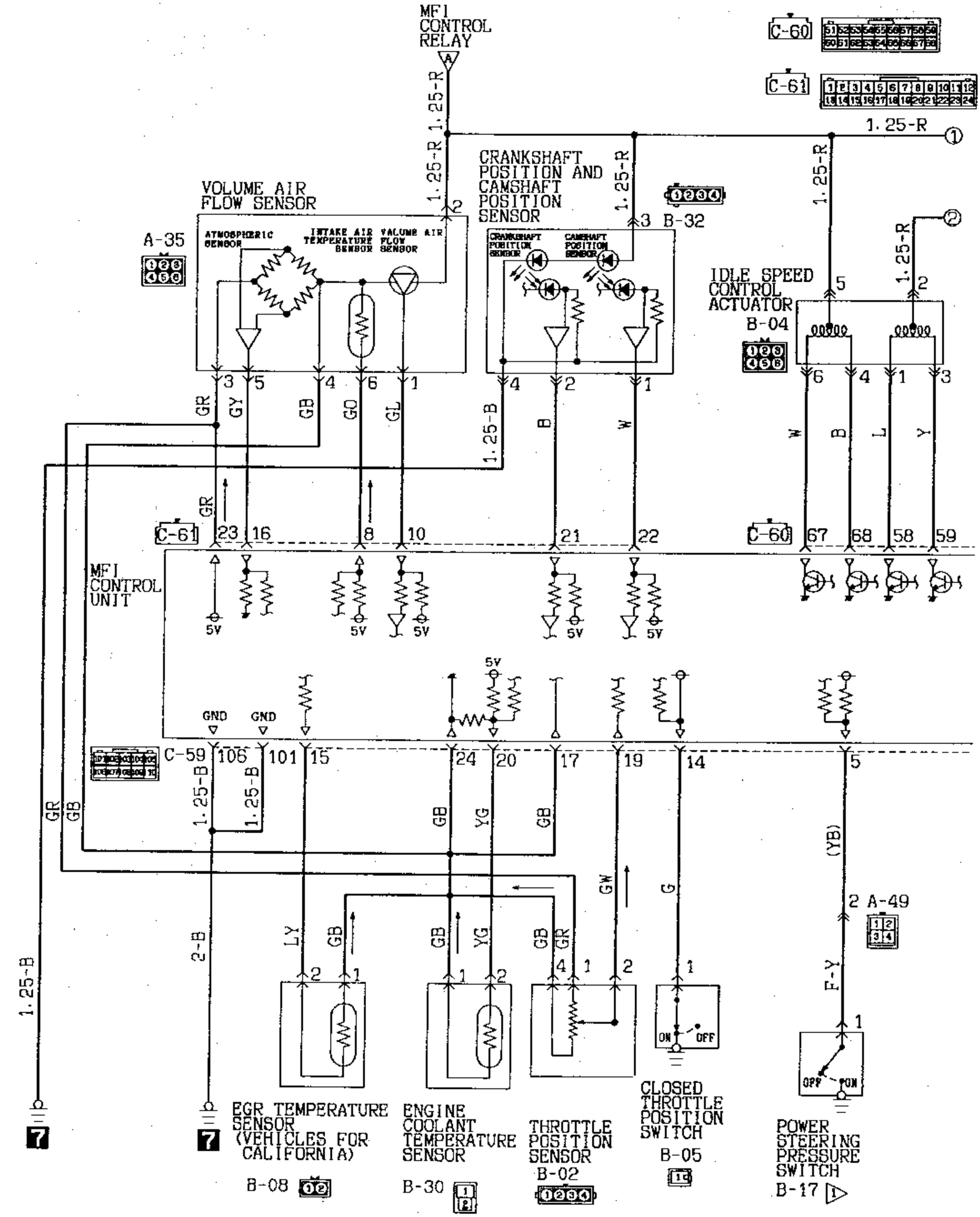
TSB Revision

MFI CIRCUIT <1992 MODELS>

2.0L DOHC Engine (Non-Turbo) <A/T> (CONTINUED)



TSB Revision

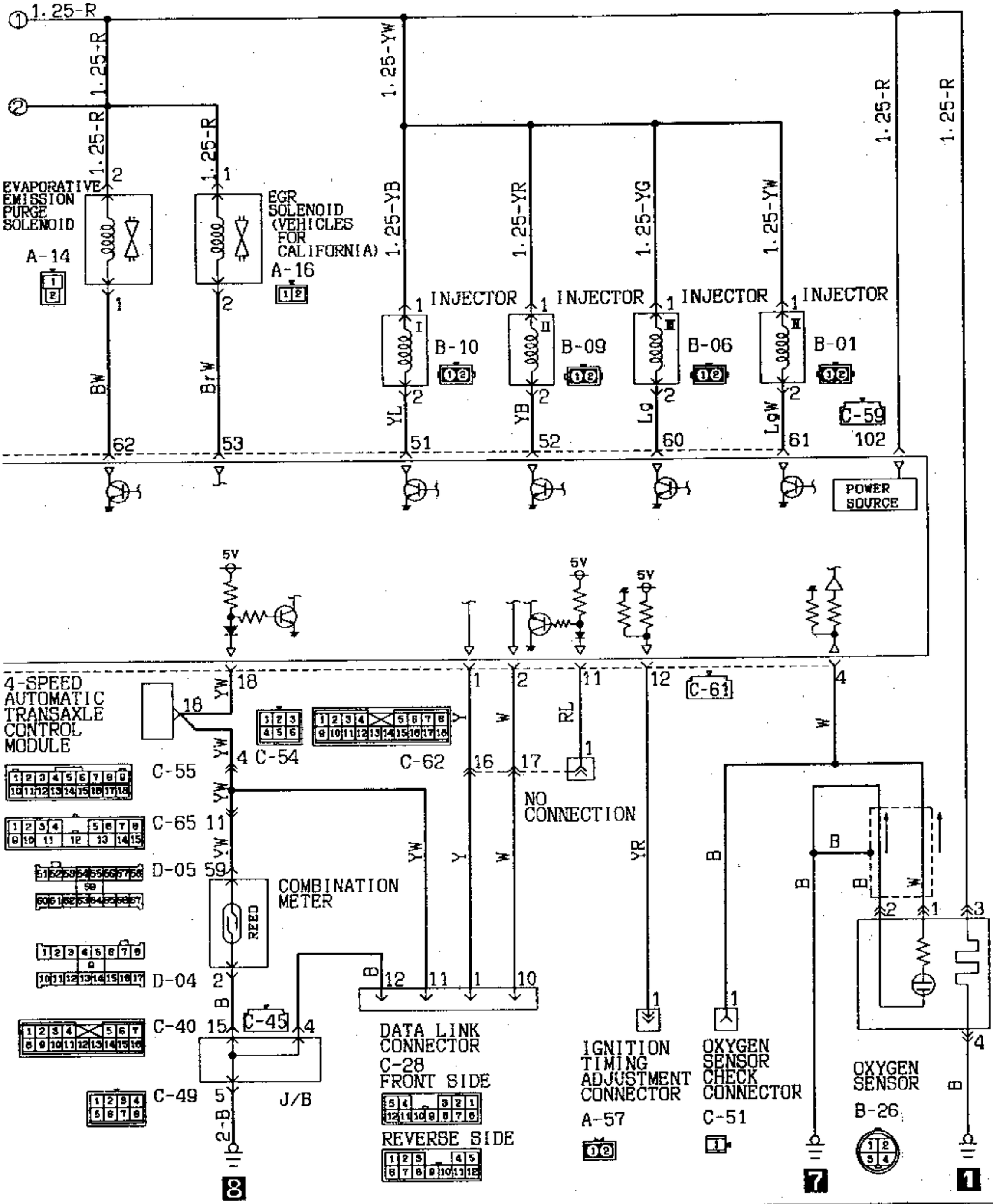


KX35-AC-U0523A-NM

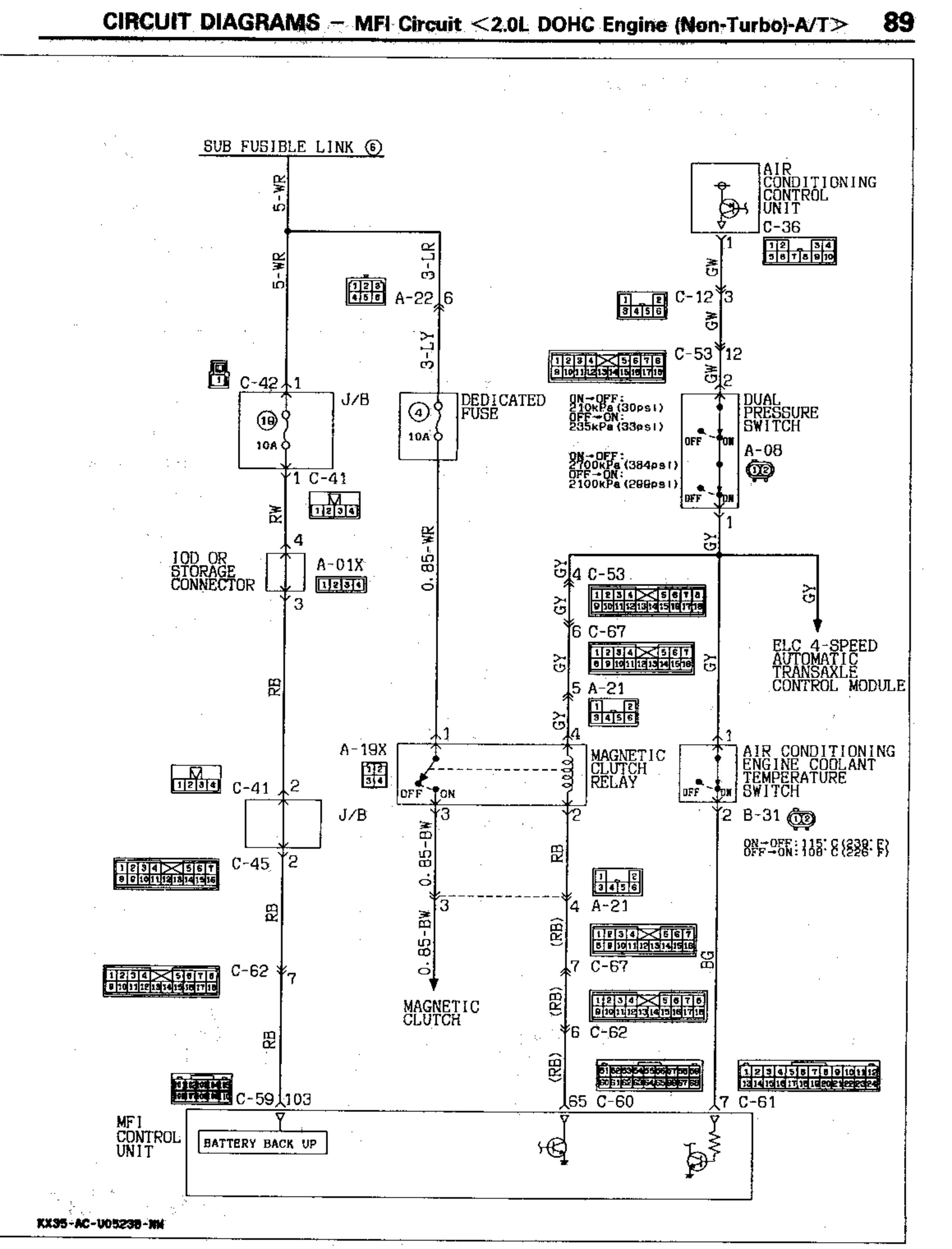
TSB Revision

MFI CIRCUIT <1992 MODELS>

2.0L DOHC Engine (Non-Turbo) <A/T> (CONTINUED)



TSB Revision

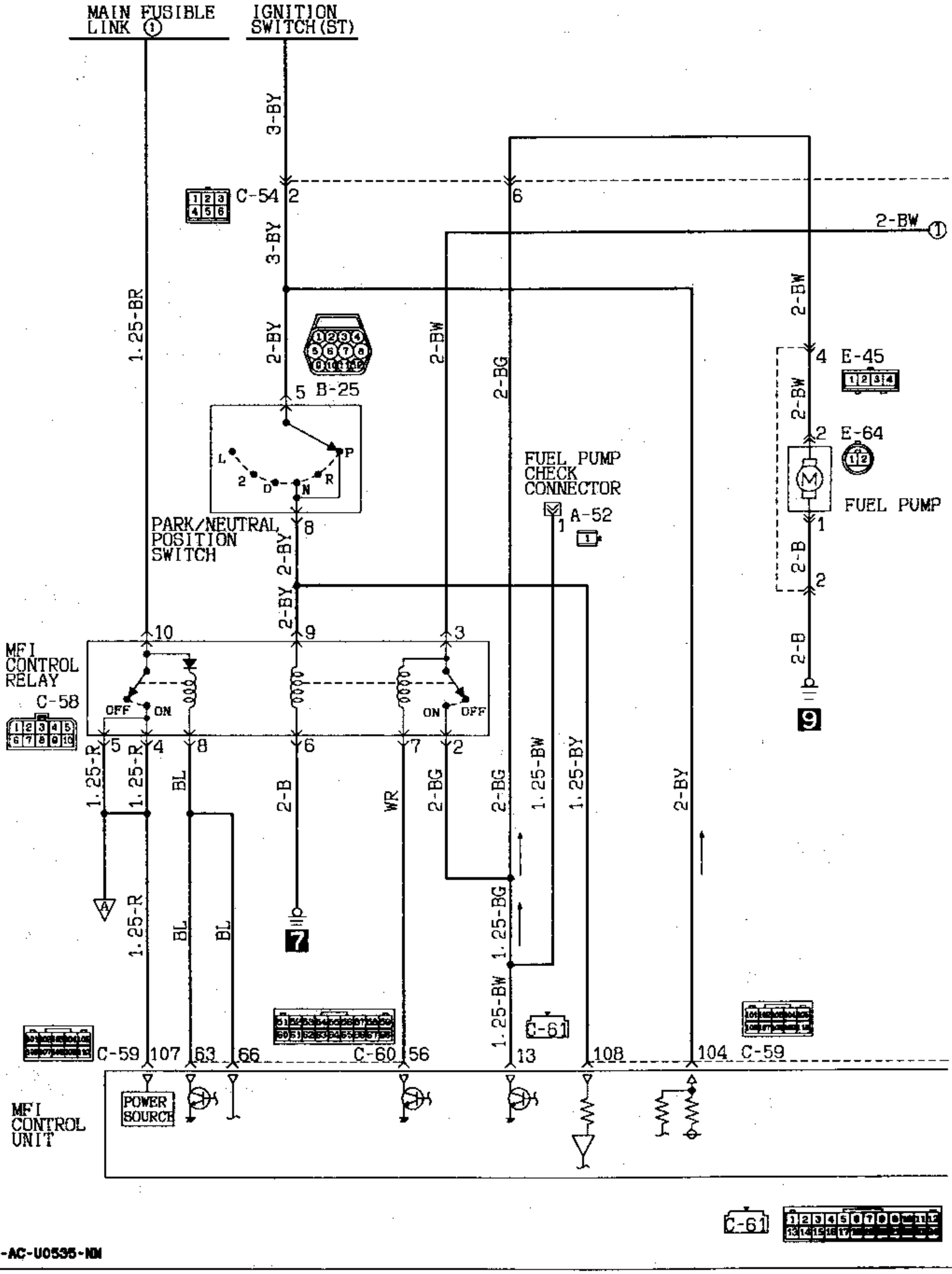


KX35-AC-U05238-NM

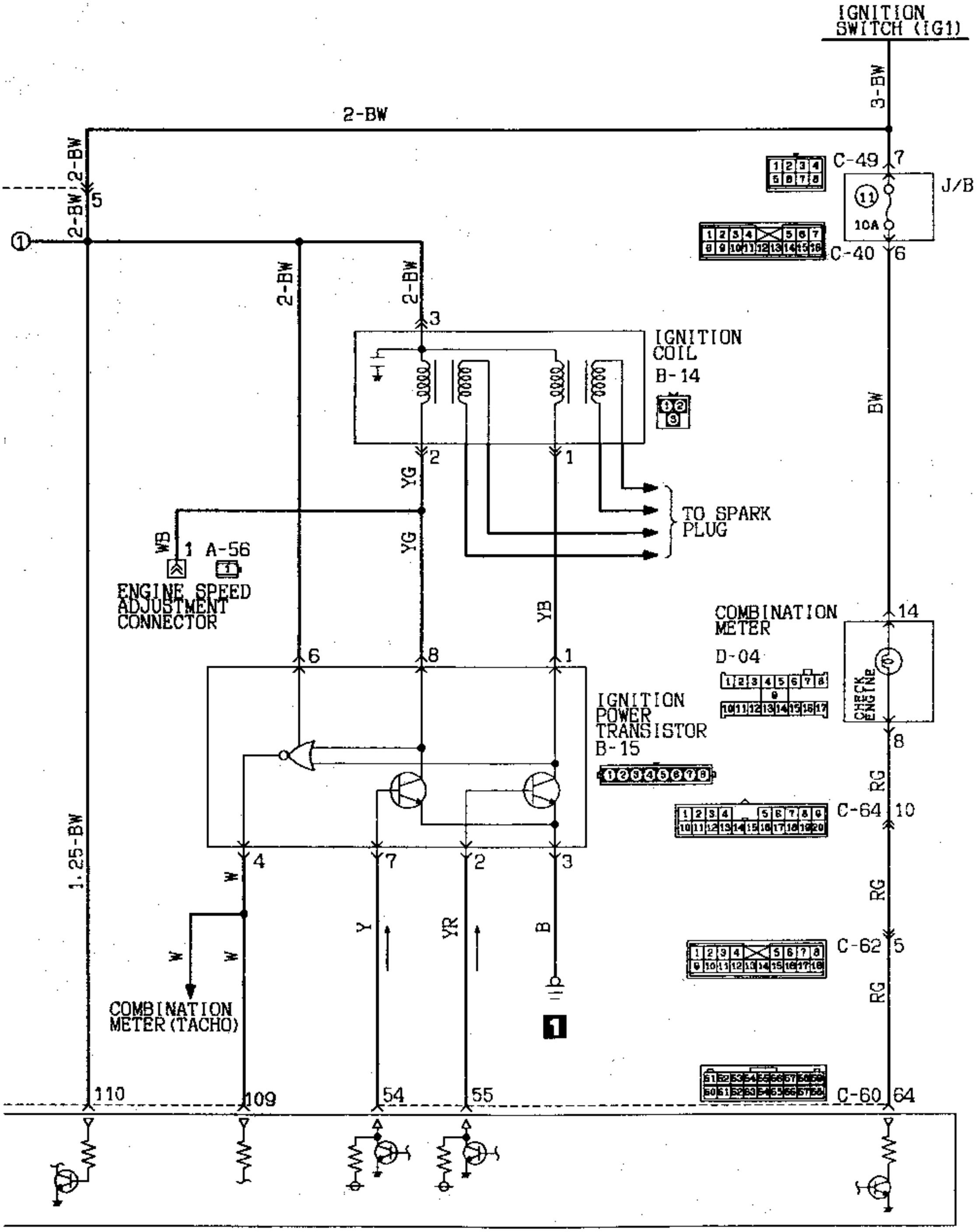
TSB Revision

MFI CIRCUIT <FROM 1993 MODELS>

2.0L DOHC Engine (Non-Turbo) <A/T>



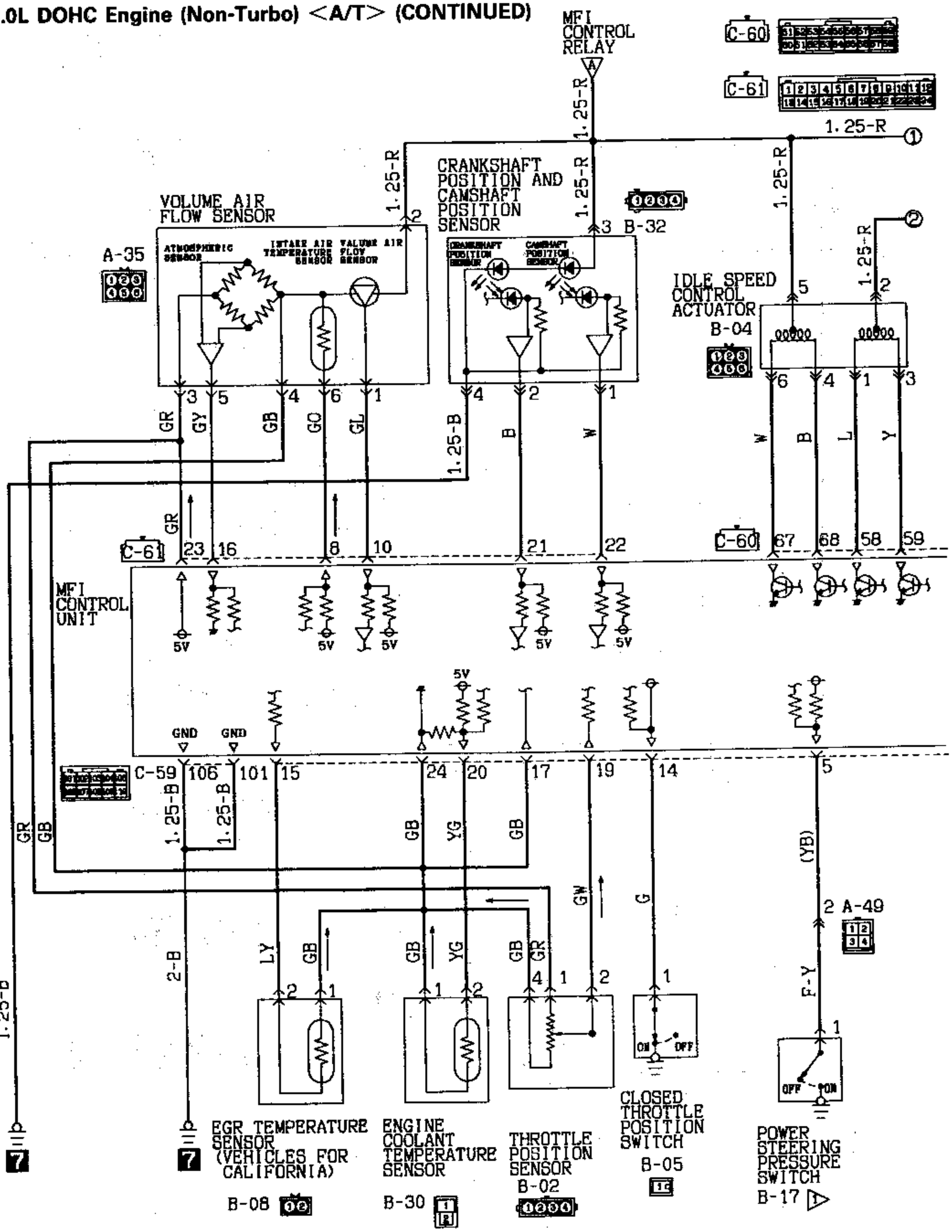
TSB Revision



TSB Revision

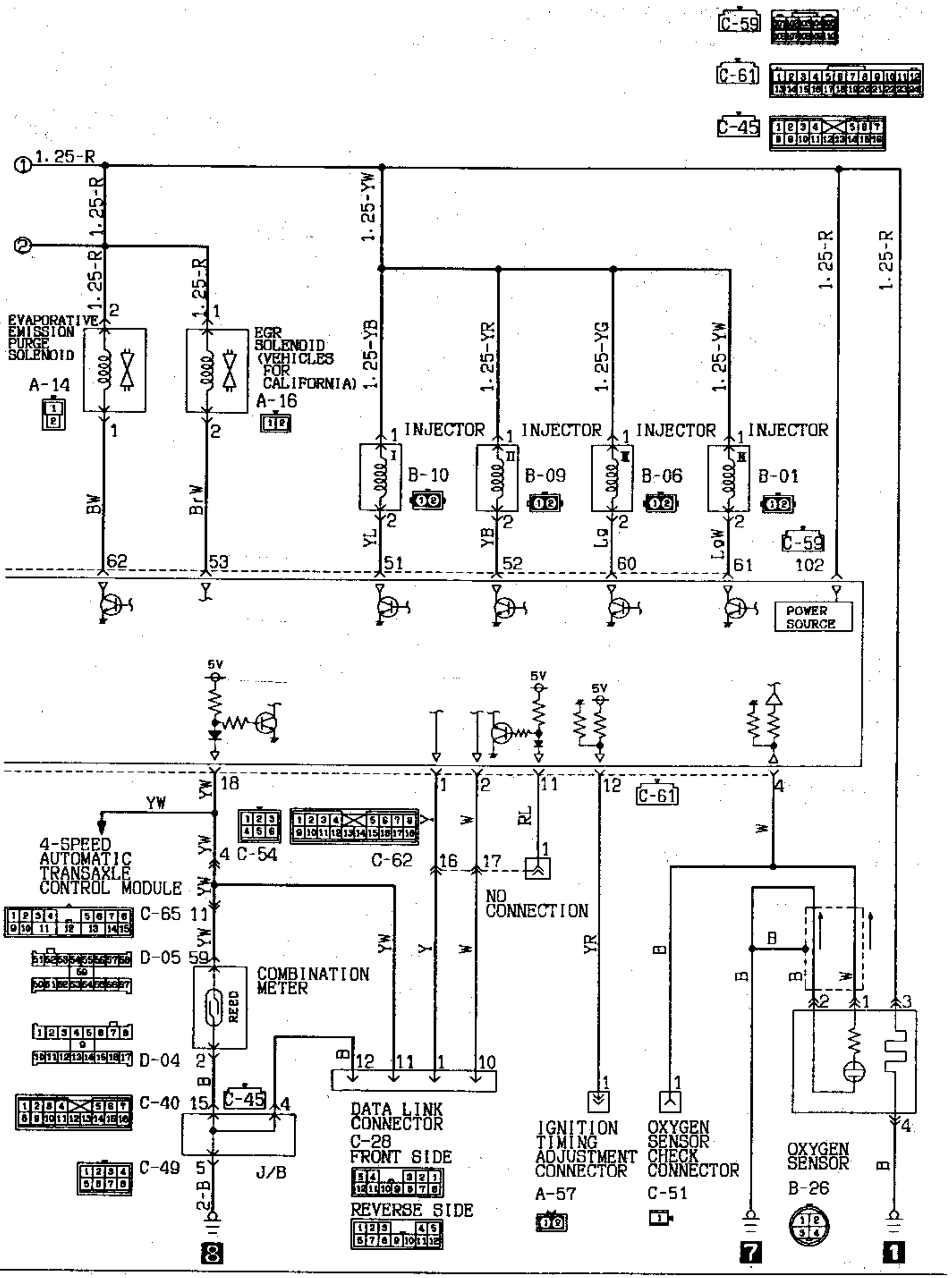
MFI CIRCUIT <FROM 1993 MODELS>

2.0L DOHC Engine (Non-Turbo) <A/T> (CONTINUED)



XK9S-AC-U0595A-NM

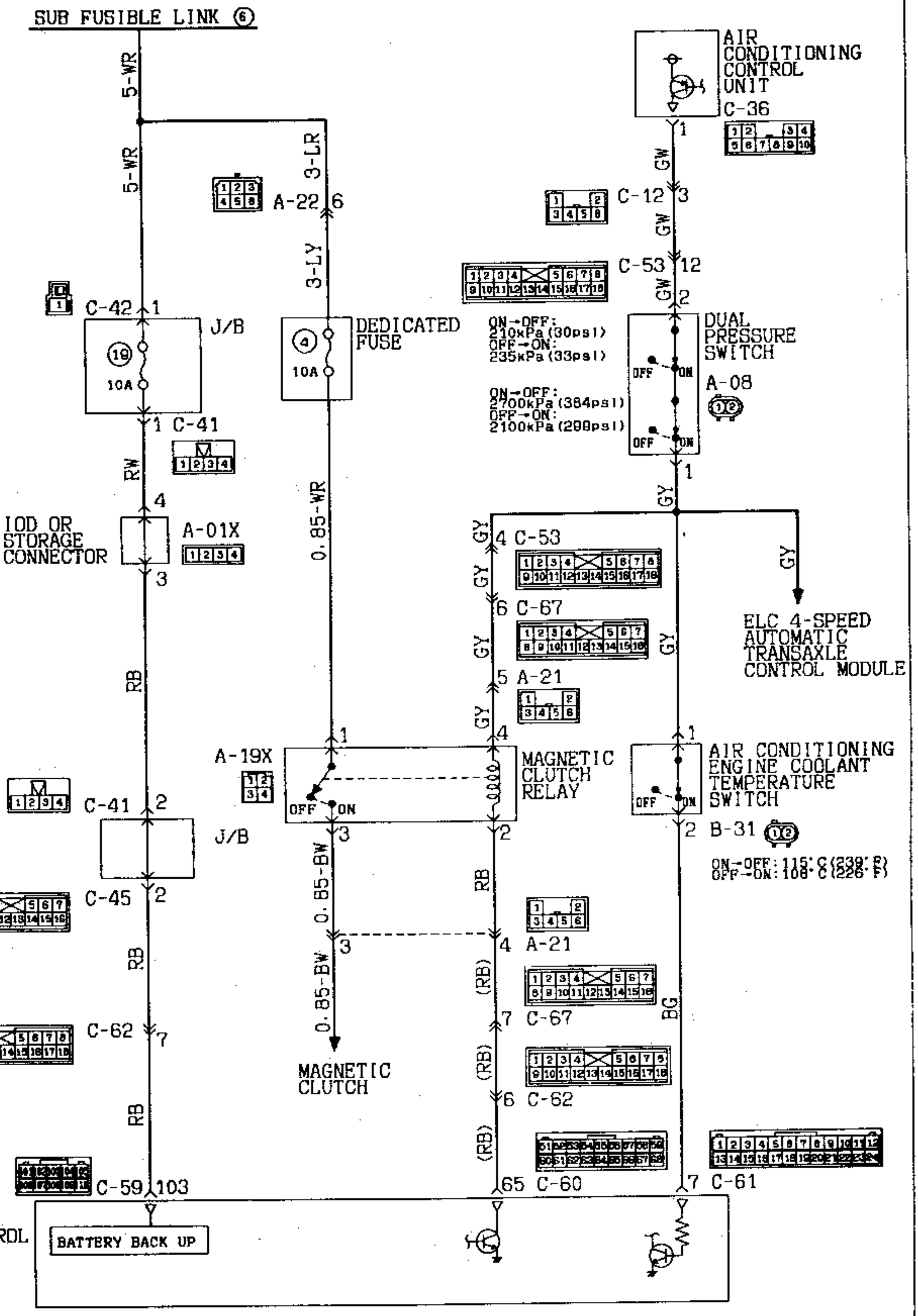
TSB Revision



TSB Revision

MFI CIRCUIT <FROM 1993 MODELS>

2.0L DOHC Engine (Non-Turbo) <A/T> (CONTINUED)

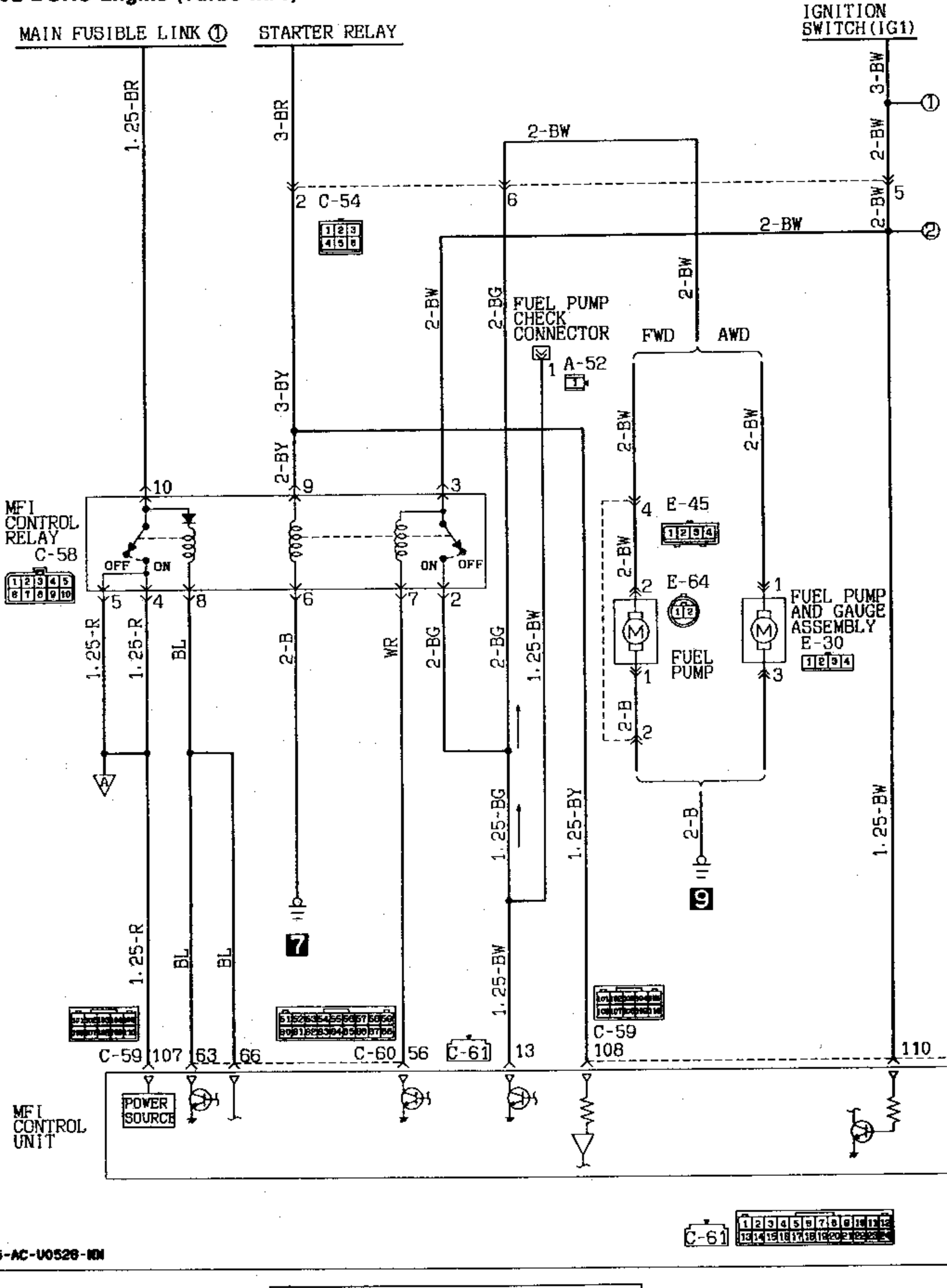


KX35-AC-U05358-NN

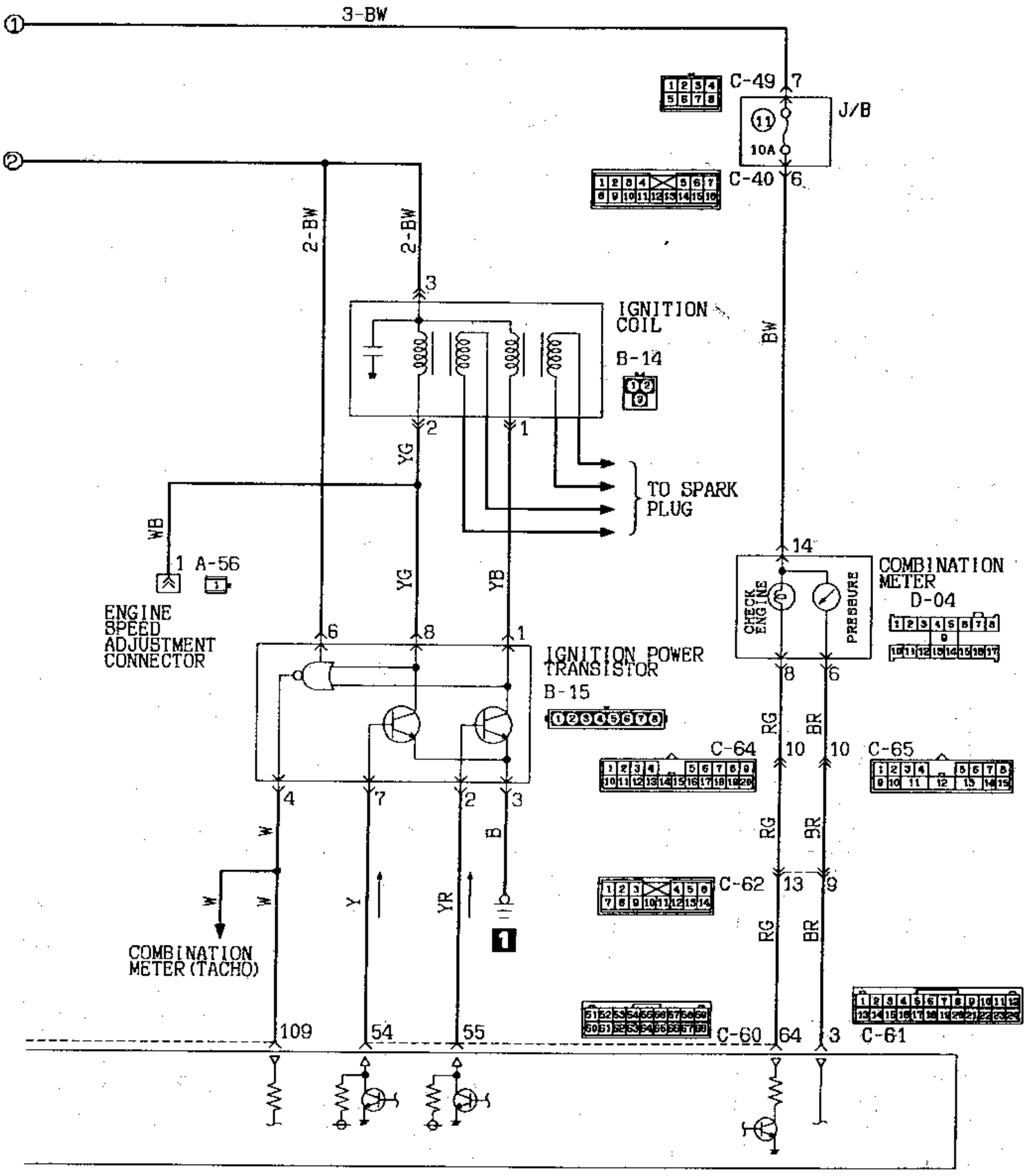
TSB Revision

MFI CIRCUIT <1992 MODELS>

2.0L DOHC Engine (Turbo-M/T)



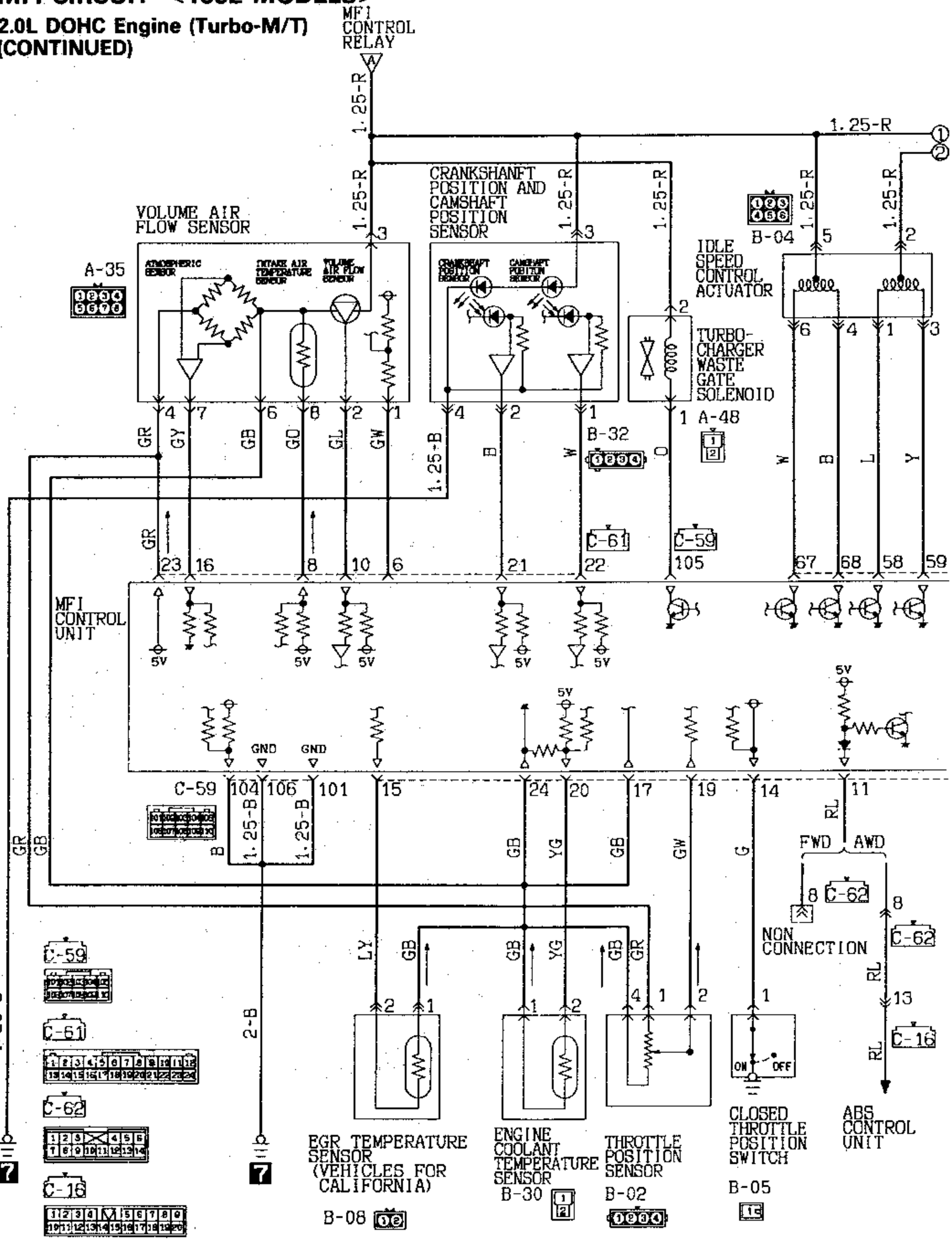
TSB Revision



TSB Revision

MFI CIRCUIT <1992 MODELS>

2.0L DOHC Engine (Turbo-M/T) (CONTINUED)



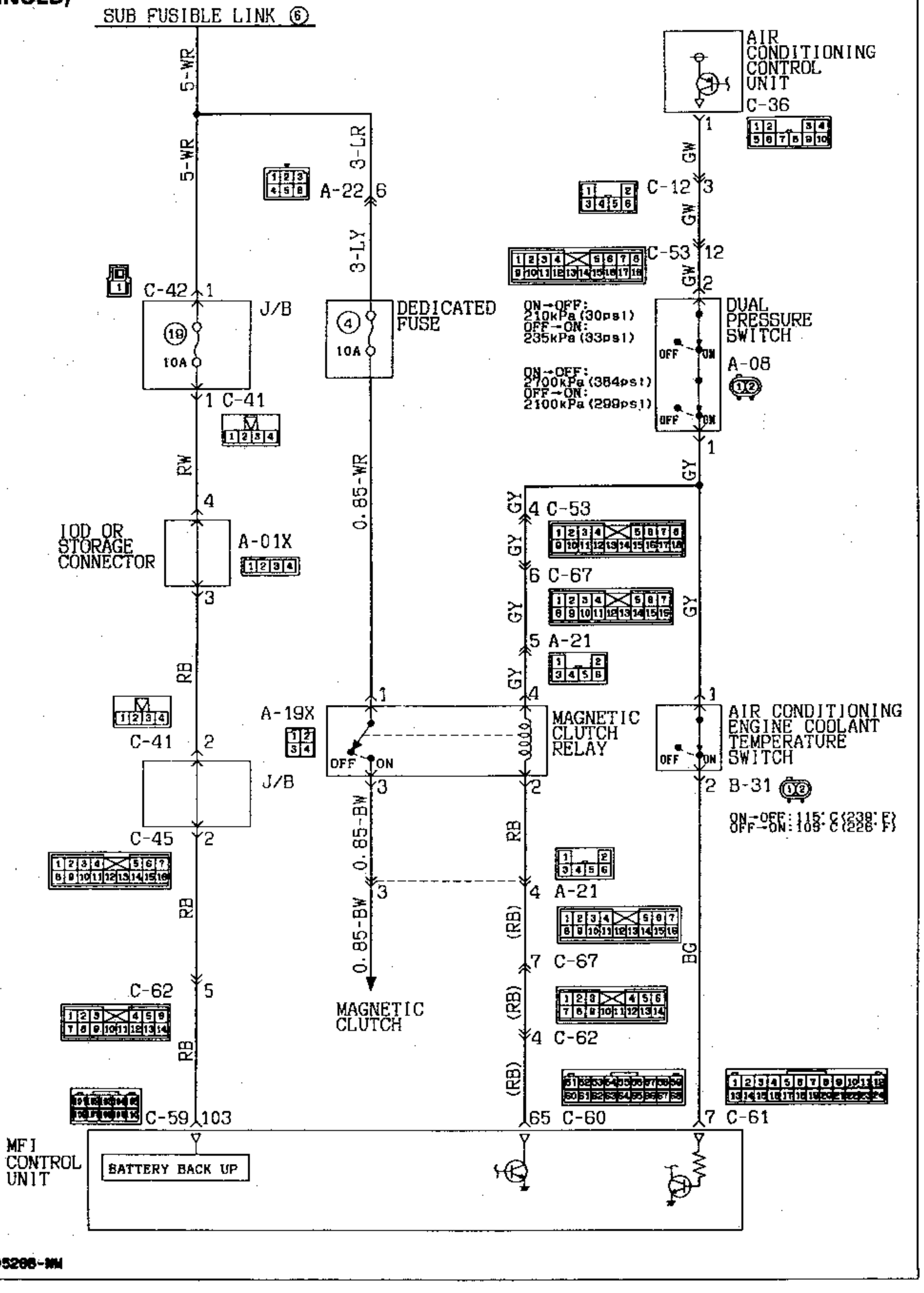
KX35-AC-U0526A-RM

TSB Revision

TSB Revision

MFI CIRCUIT <1992 MODELS>

2.0L DOHC Engine (Turbo-M/T) (CONTINUED)

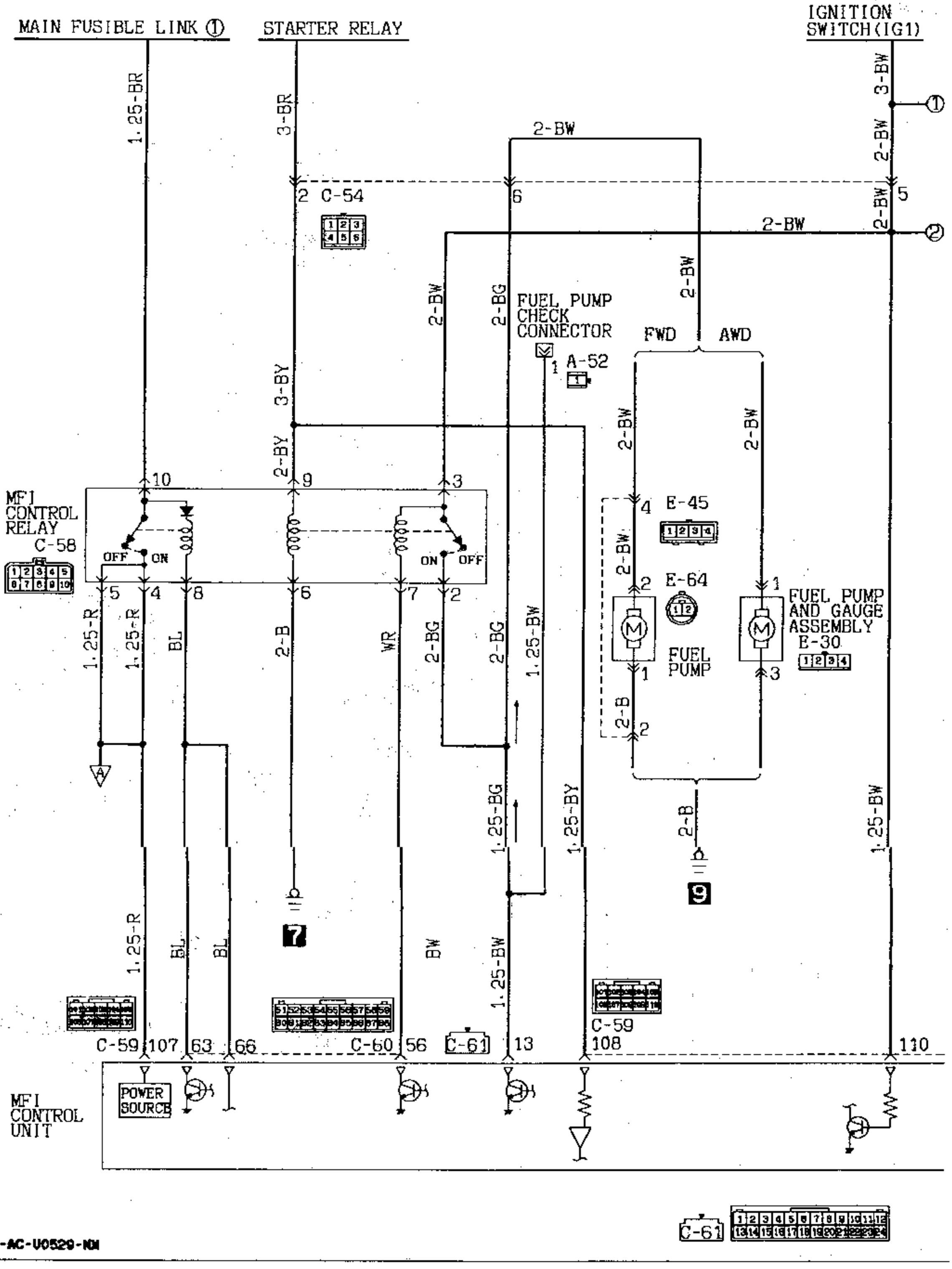


KX35-AC-U05266-MM

TSB Revision

MFI CIRCUIT <FROM 1993 MODELS>

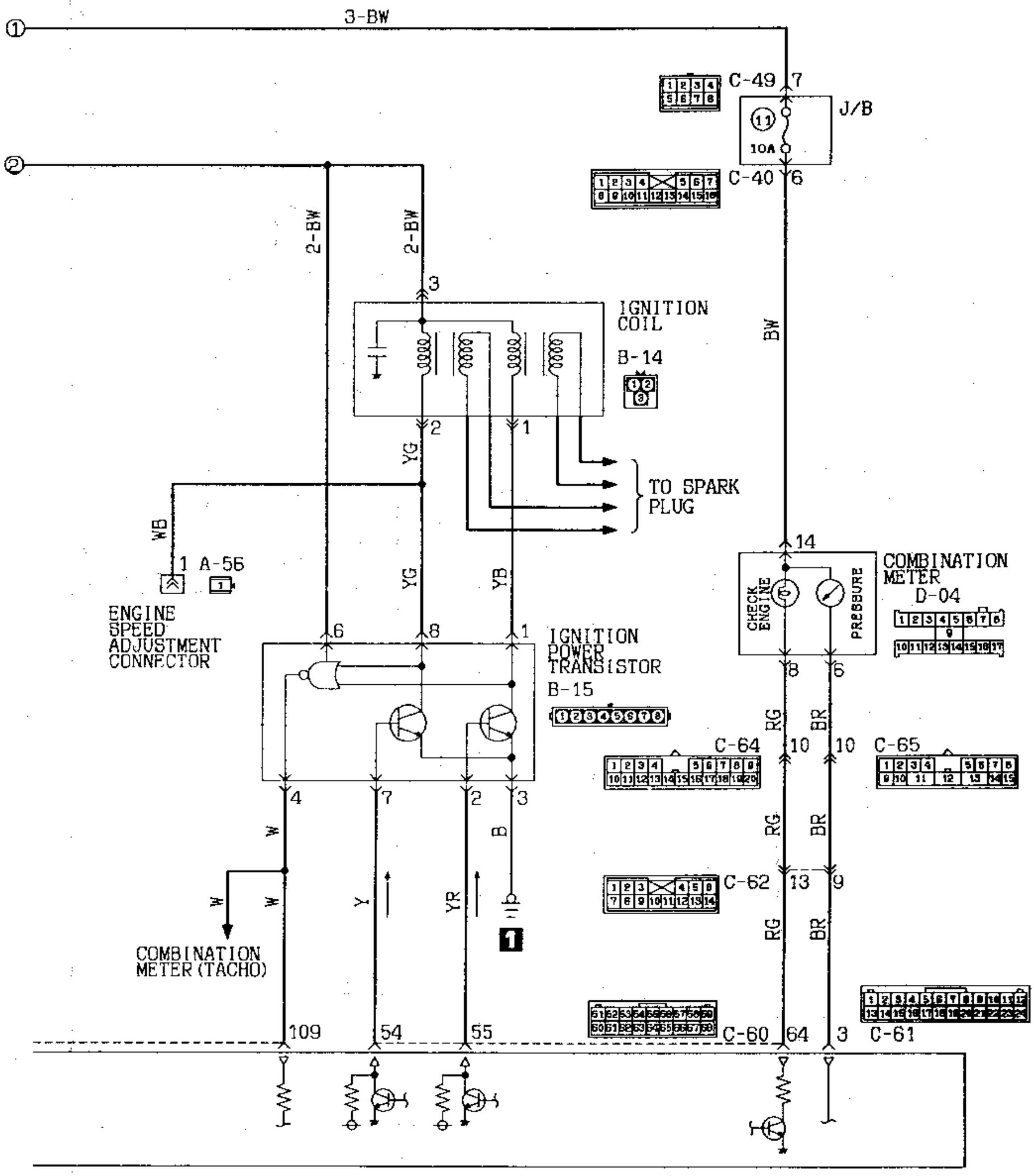
2.0L DOHC Engine (Turbo-M/T)



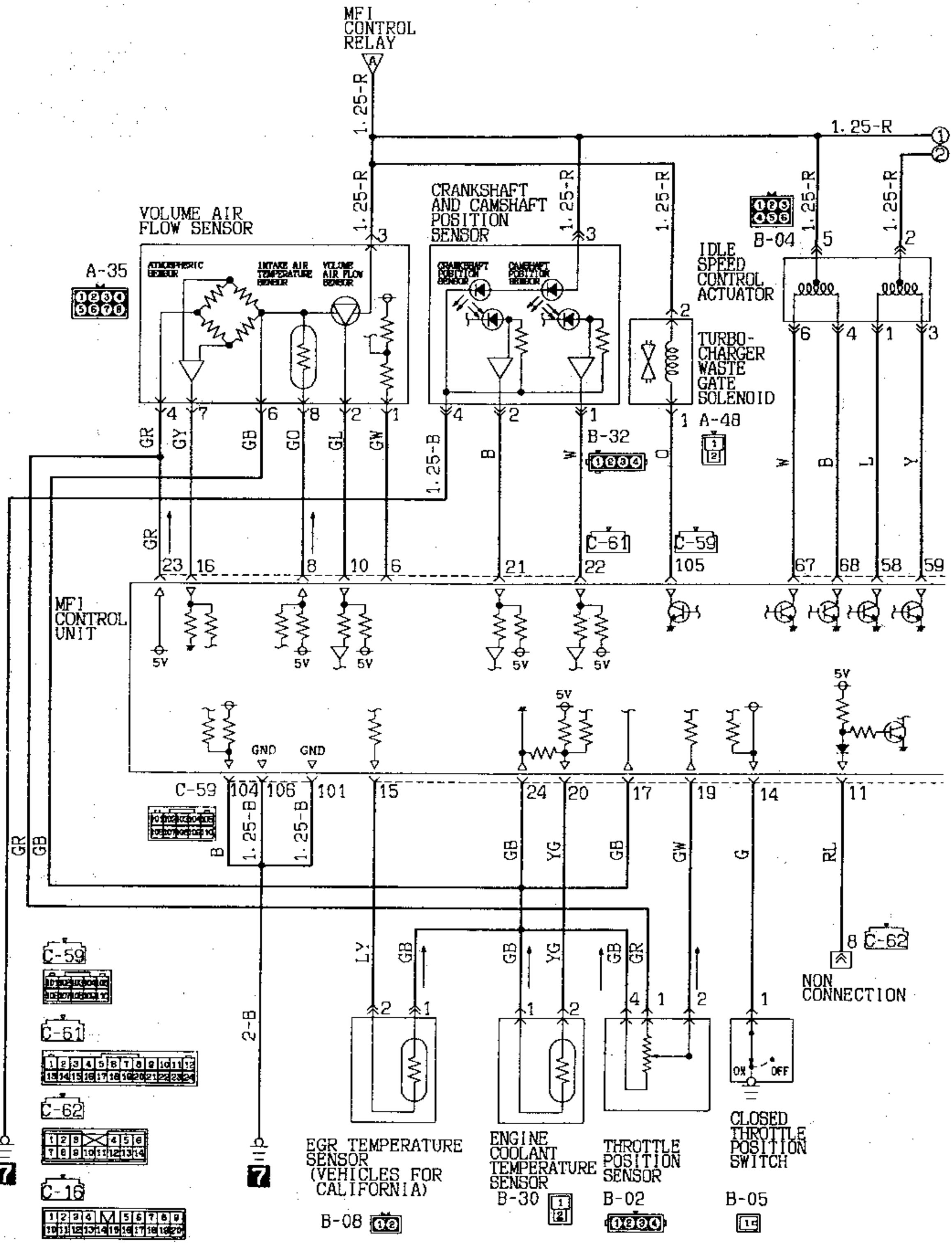
TSB Revision

MFI CIRCUIT <FROM 1993 MODELS>

2.0L DOHC Engine (Turbo-M/T)
(CONTINUED)



TSB Revision

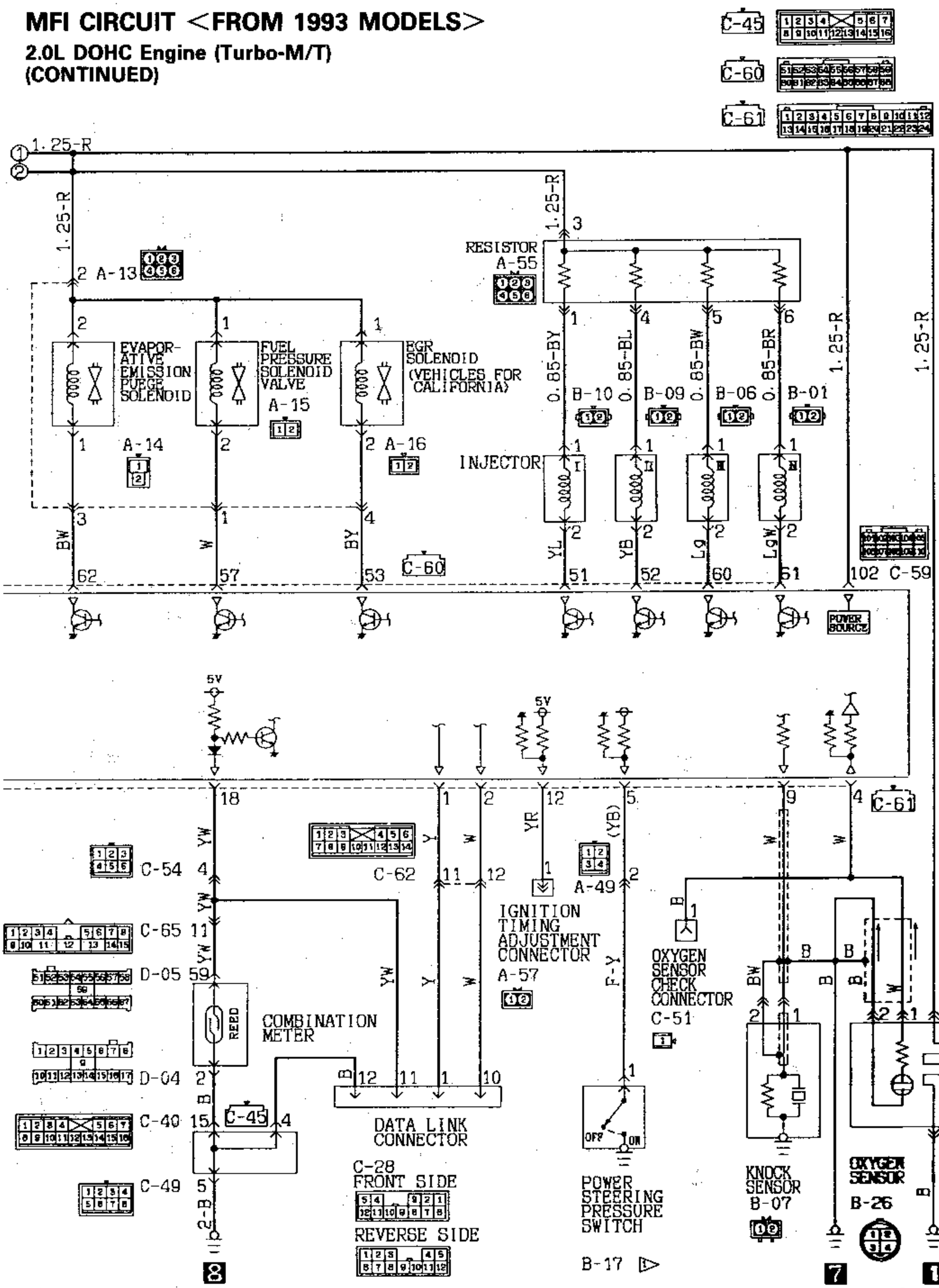


KX35-AC-U0529A-NM

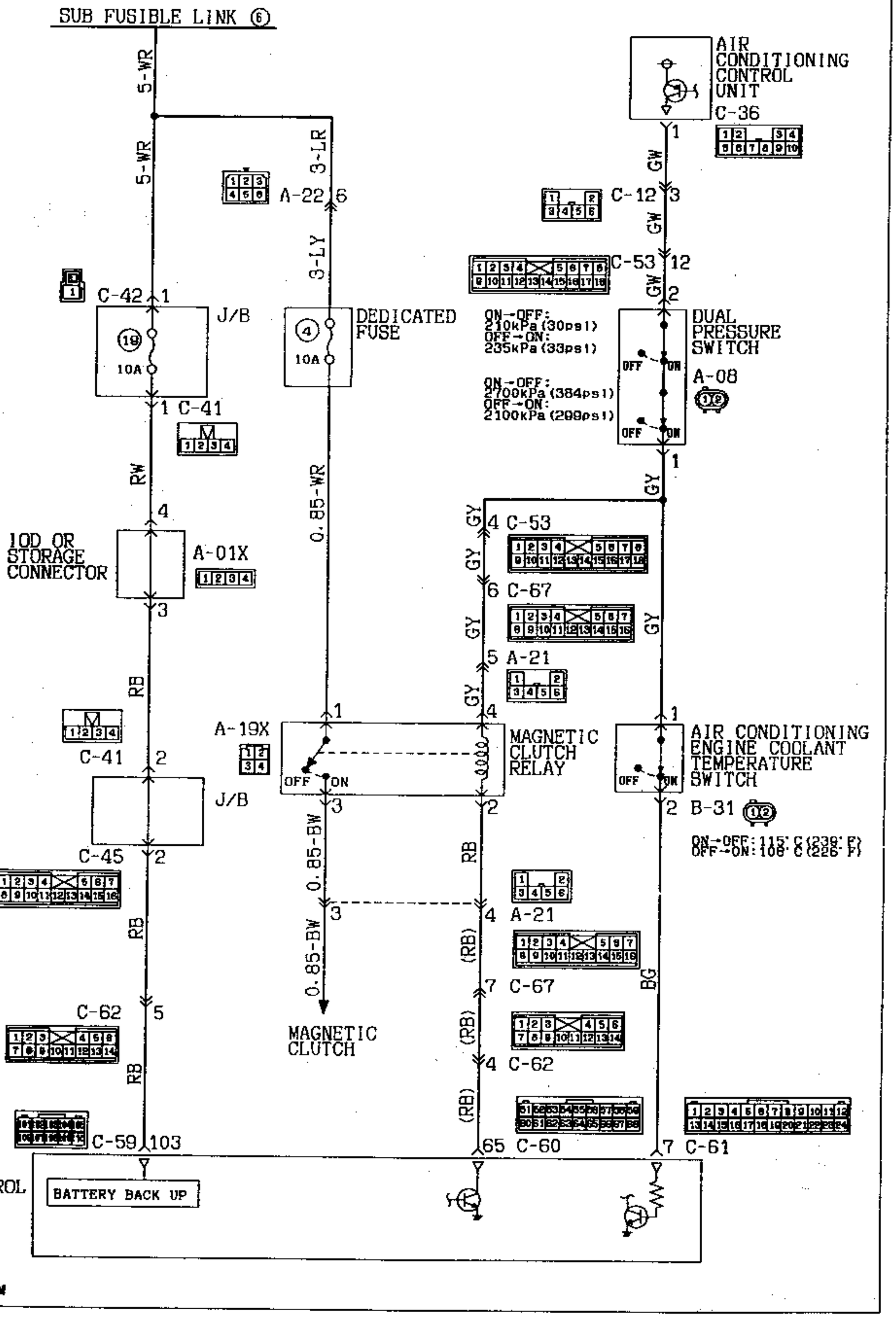
TSB Revision

MFI CIRCUIT <FROM 1993 MODELS>

2.0L DOHC Engine (Turbo-M/T) (CONTINUED)



TSB Revision

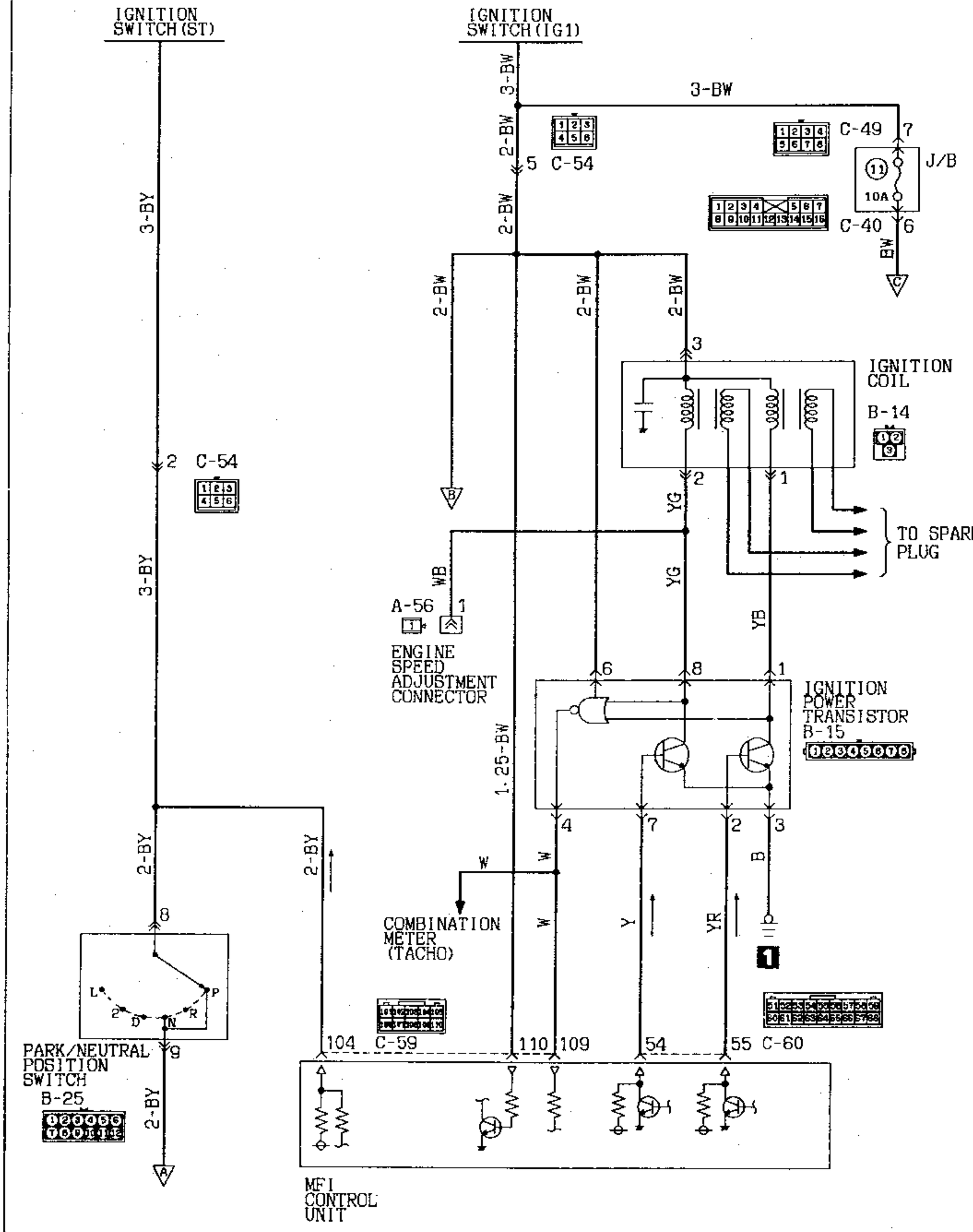


KX35-AC-U05298-NM

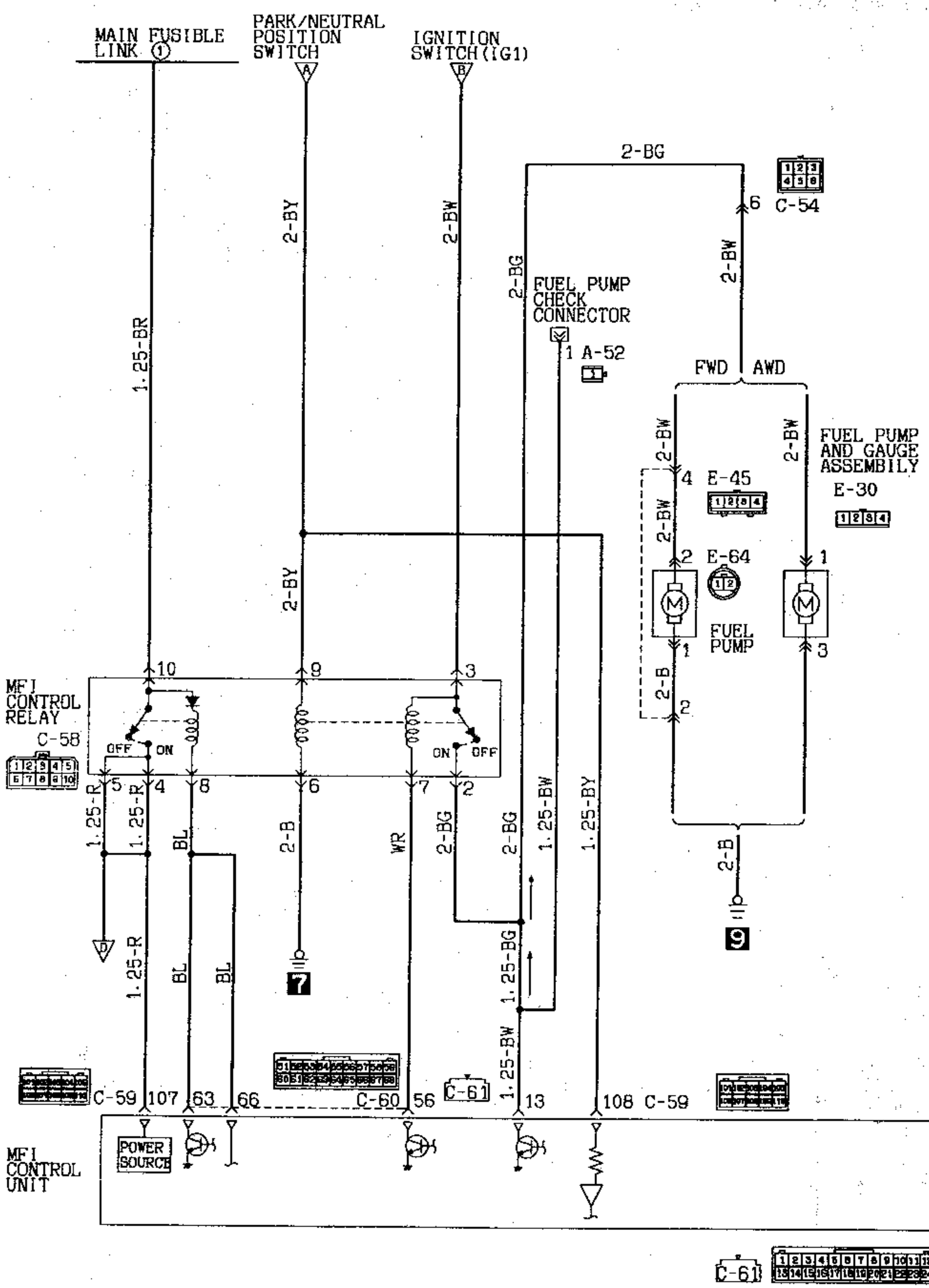
TSB Revision

MFI CIRCUIT <1992 MODELS>

2.0L DOHC Engine (Turbo-A/T)



TSB Revision

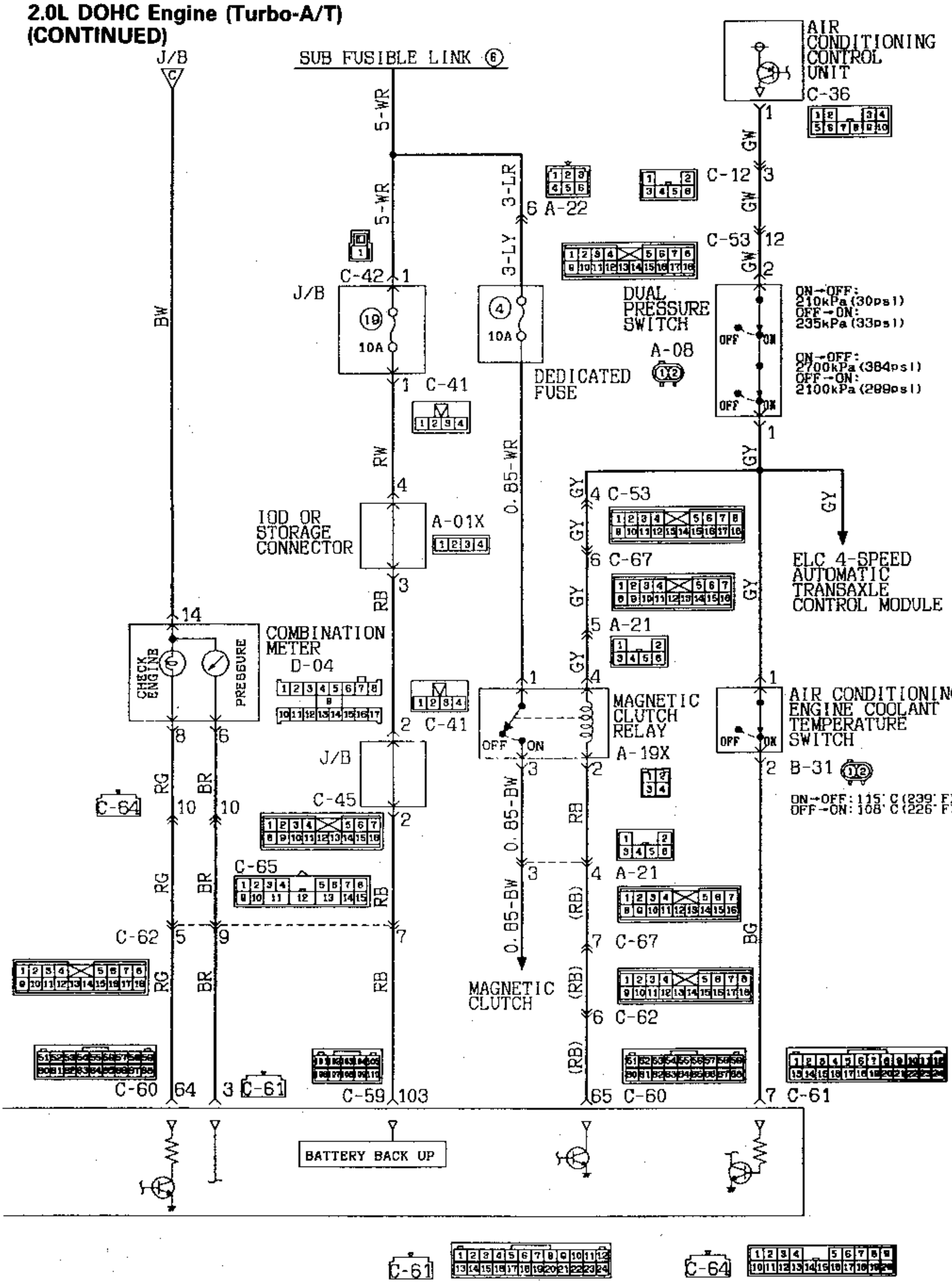


KX35-AC-U0530A-NM

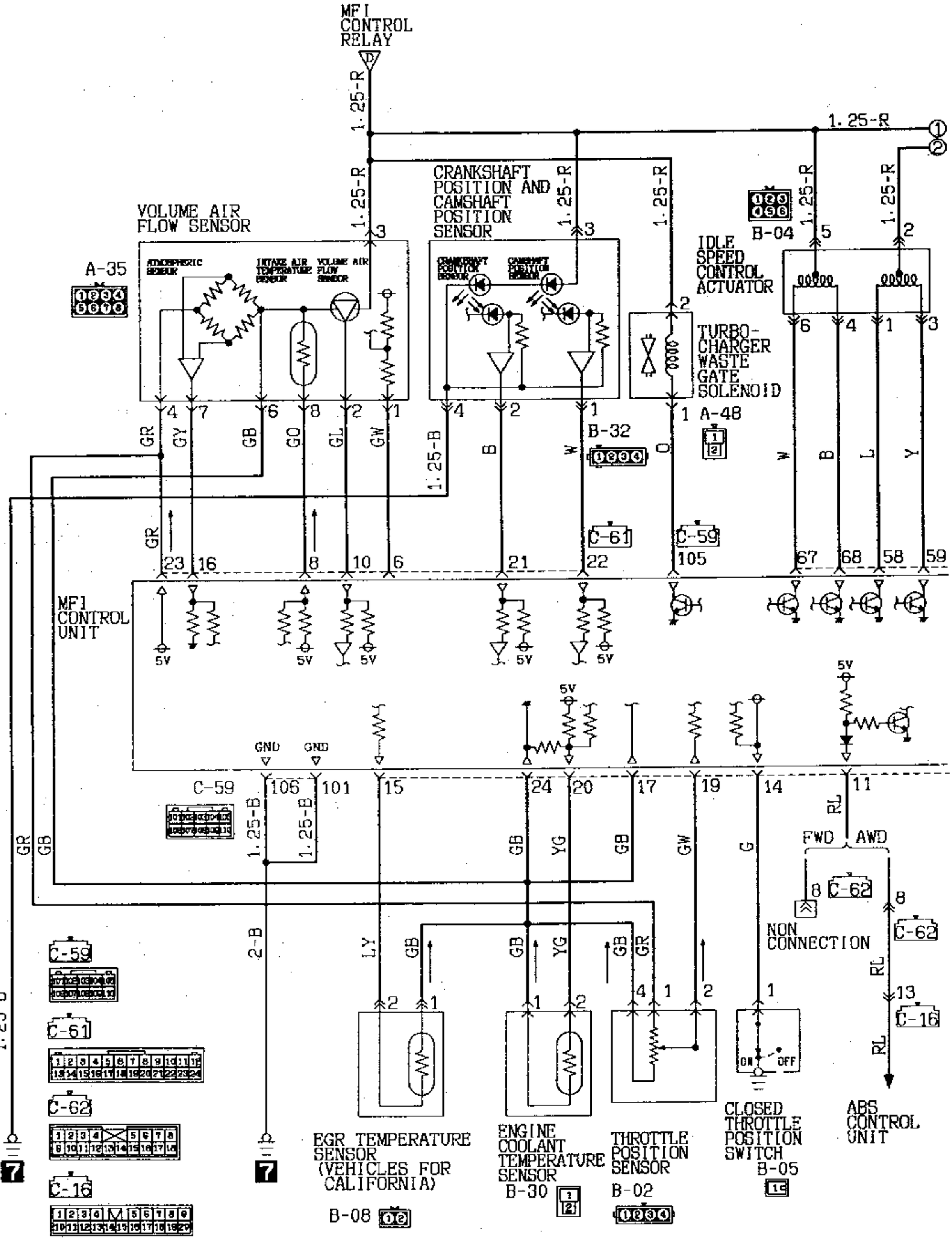
TSB Revision

MFI CIRCUIT <1992 MODELS>

2.0L DOHC Engine (Turbo-A/T) (CONTINUED)



TSB Revision

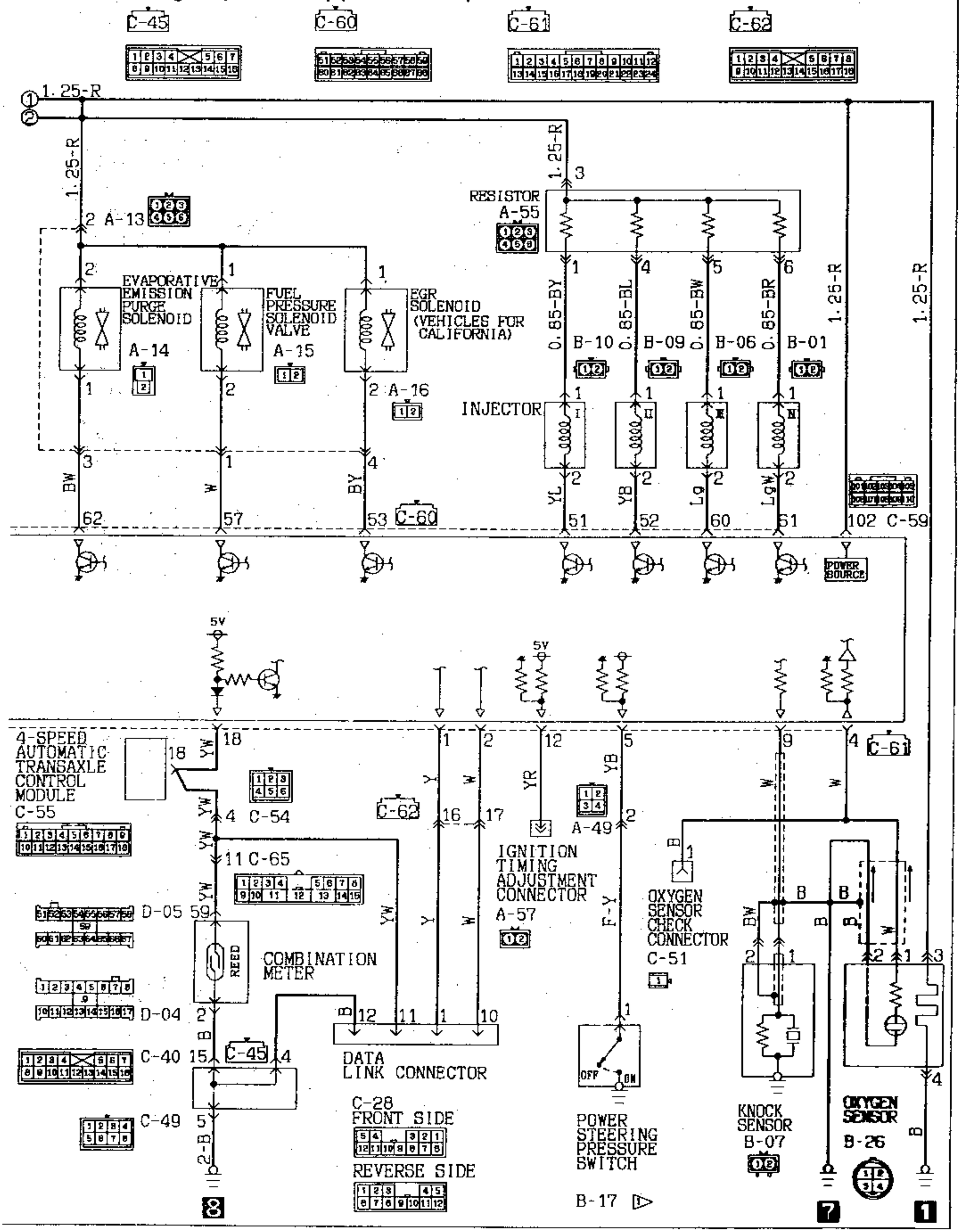


KX35-AC-U05308-MM

TSB Revision

MFI CIRCUIT <1992 MODELS>

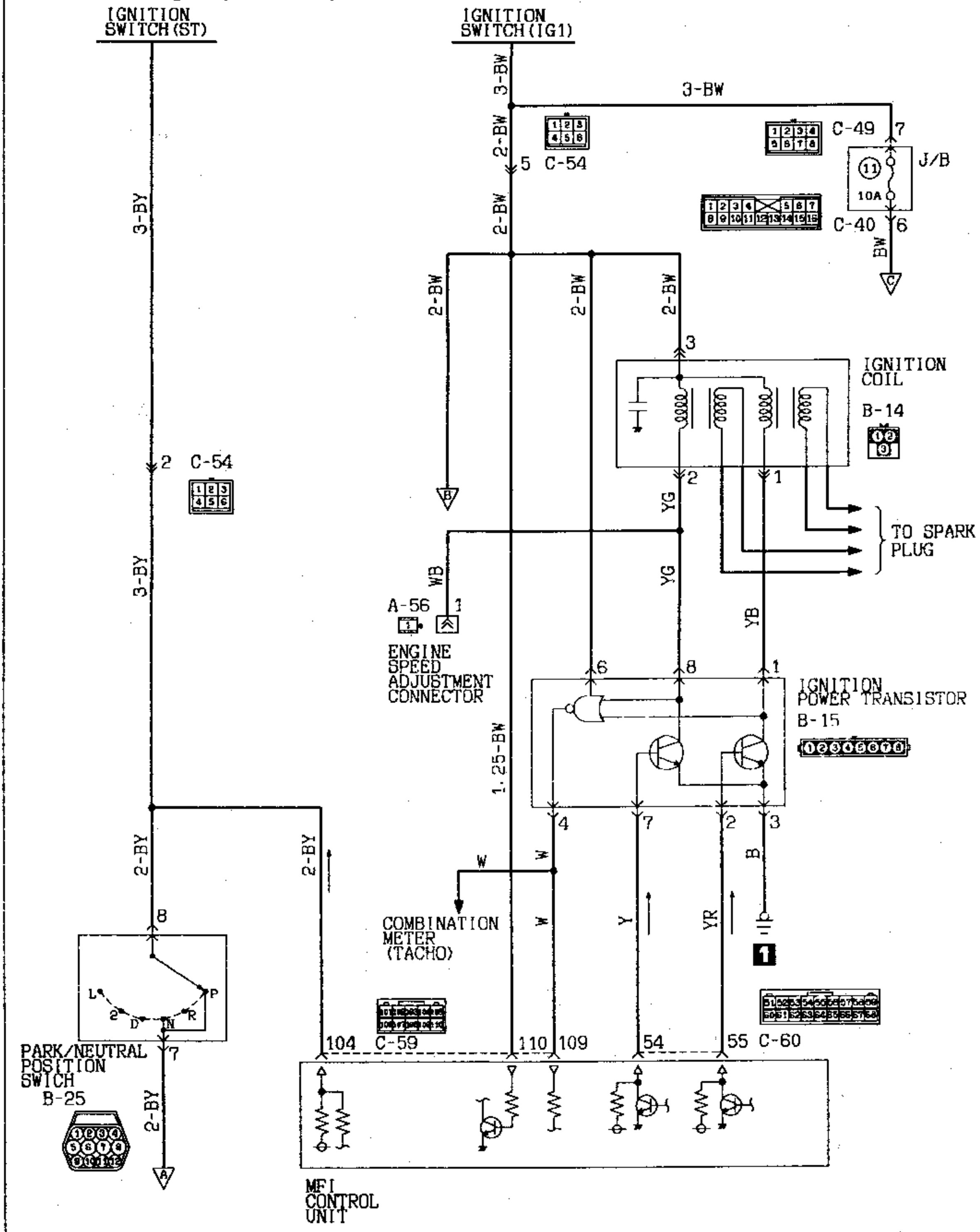
2.0L DOHC Engine (Turbo-A/T) (CONTINUED)



TSB Revision

MFI CIRCUIT <FROM 1993 MODELS>

2.0L DOHC Engine (Turbo-A/T)

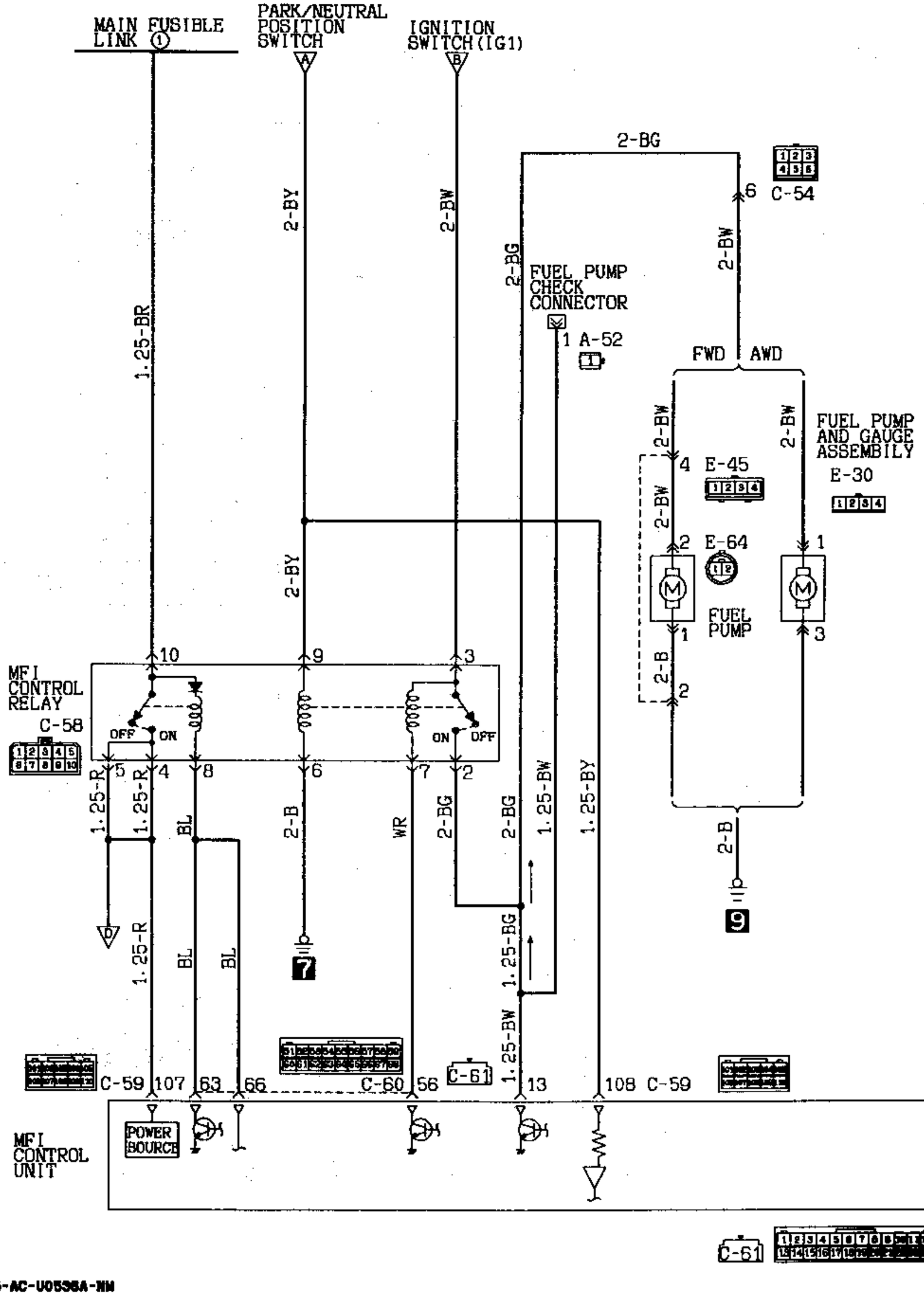


KX35-AC-U0536-NM

TSB Revision

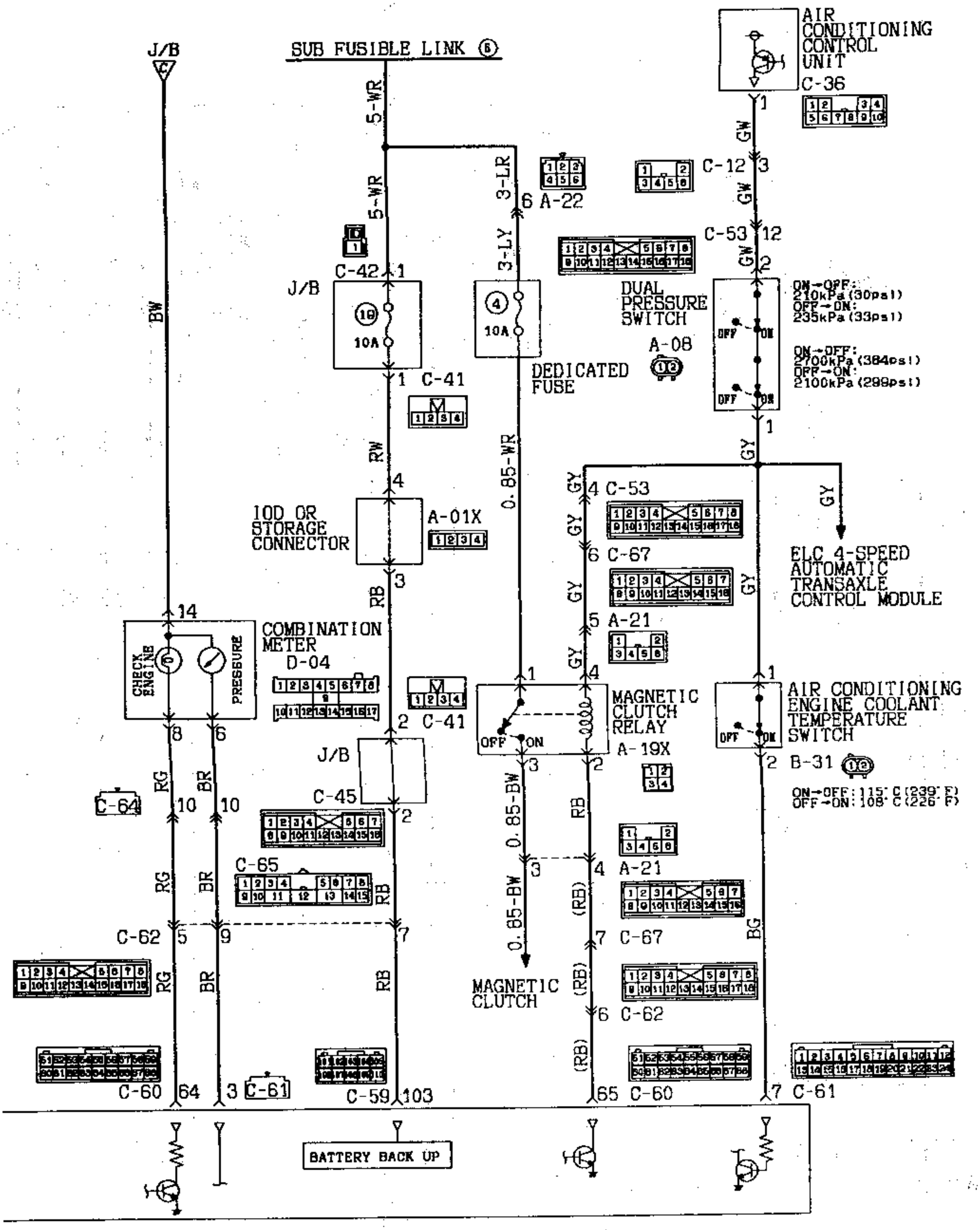
MFI CIRCUIT <FROM 1993 MODELS>

2.0L DOHC Engine (Turbo-A/T) (CONTINUED)



KX35-AC-U05S6A-NM

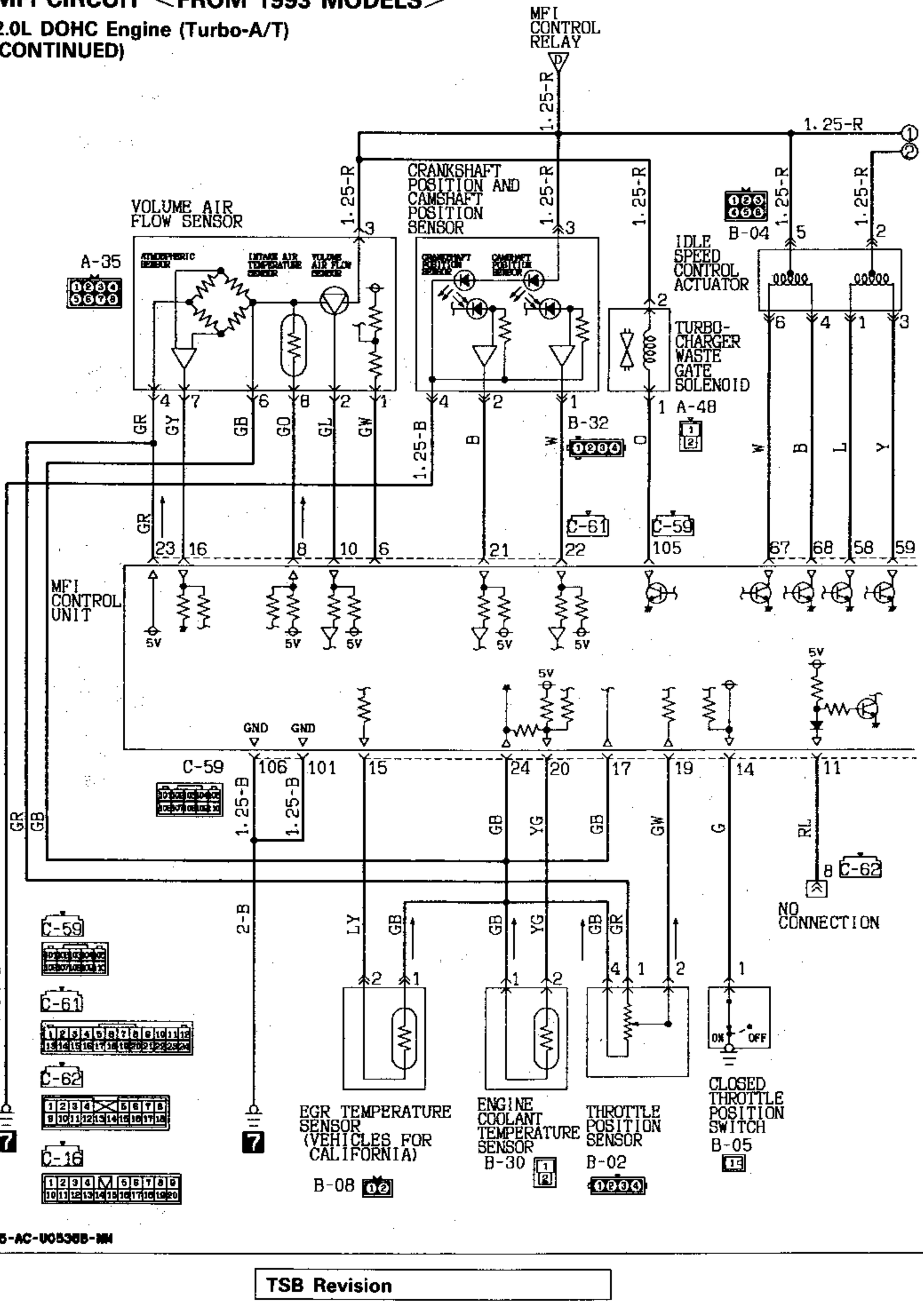
TSB Revision



TSB Revision

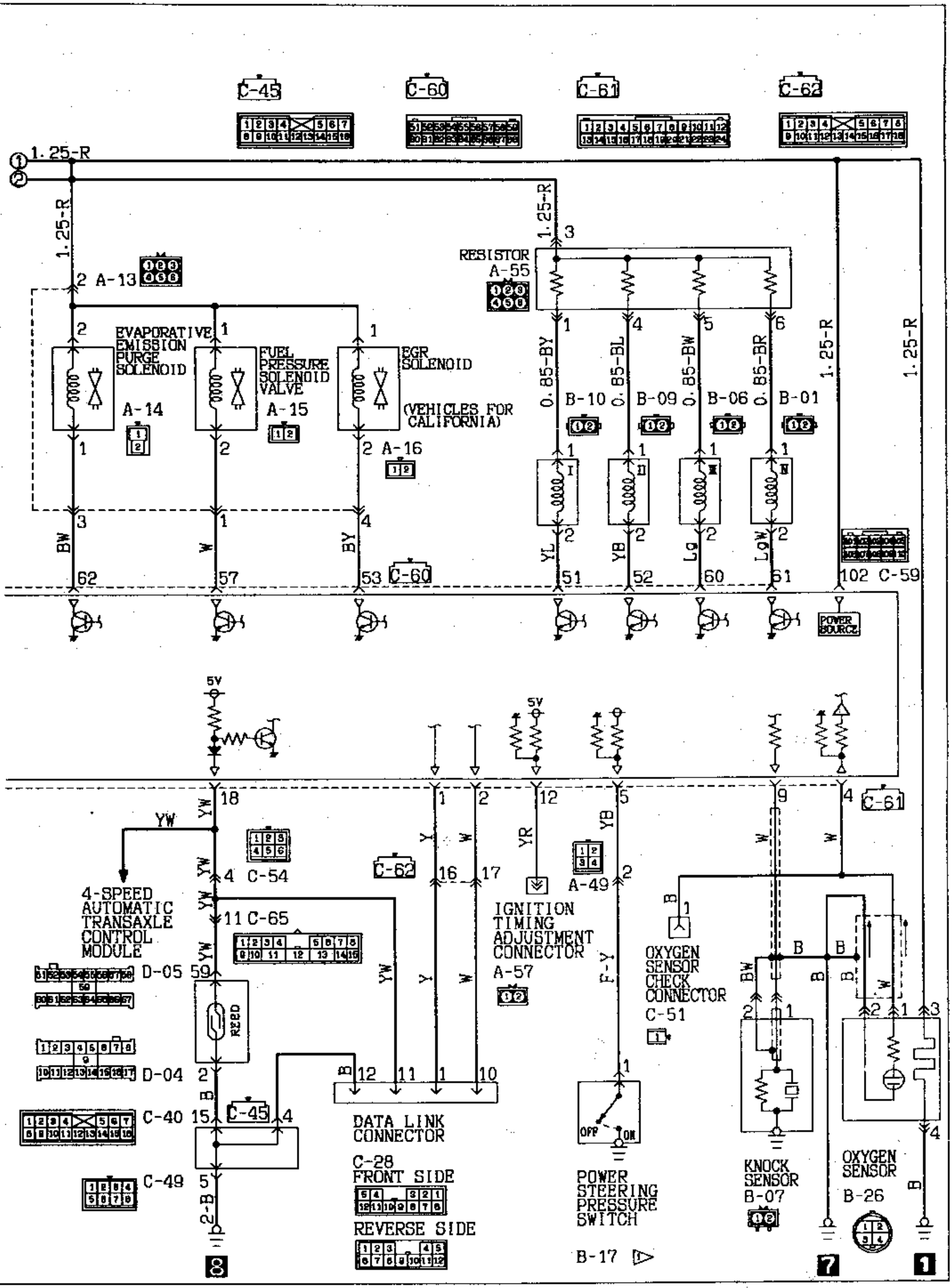
MFI CIRCUIT <FROM 1993 MODELS>

2.0L DOHC Engine (Turbo-A/T) (CONTINUED)



KK35-AC-U0536B-NM

TSB Revision



TSB Revision

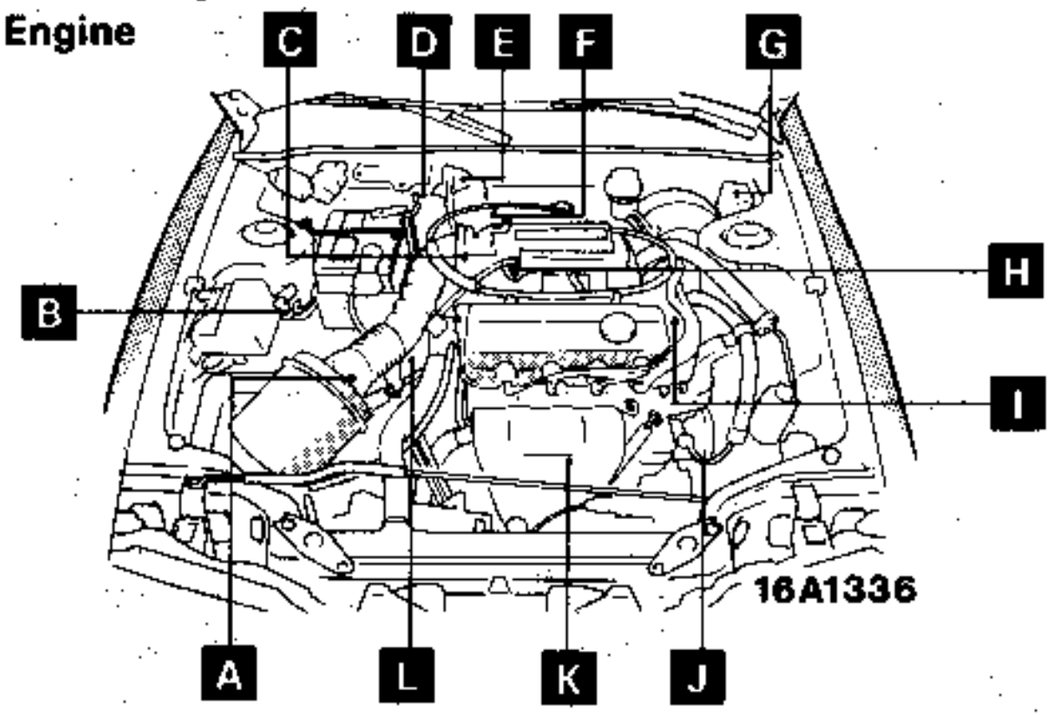
COMPONENT LOCATION

Name	Symbol	Name	Symbol
Air conditioning control unit	Q	Idle air control motor	F
Air conditioning engine coolant temperature switch	L	Idle speed control motor	F
		Ignition coil	I
Barometric pressure sensor	A	Ignition power transistor	I
Camshaft position sensor	I	Ignition timing adjustment terminal	D
Closed throttle position switch	F	Intake air temperature sensor	A
Crankshaft position sensor	I	ISC motor position sensor	F
Data link connector	O	Knock sensor	N
Dual pressure switch	B	Magnet clutch relay	G
EGR solenoid (Calif. only)	E	Multiport fuel injection relay	S
EGR temperature sensor	H	Oxygen sensor	K
Engine control module	R	Power steering pressure switch	J
Engine coolant temperature sensor	L	Throttle position sensor	C
Evaporative emission purge solenoid	E	Turbocharger waste gate valve	M
Fuel pressure solenoid	E	Vehicle speed sensor (Reed switch)	P
Fuel pump check terminal	D	Volume air flow sensor	A

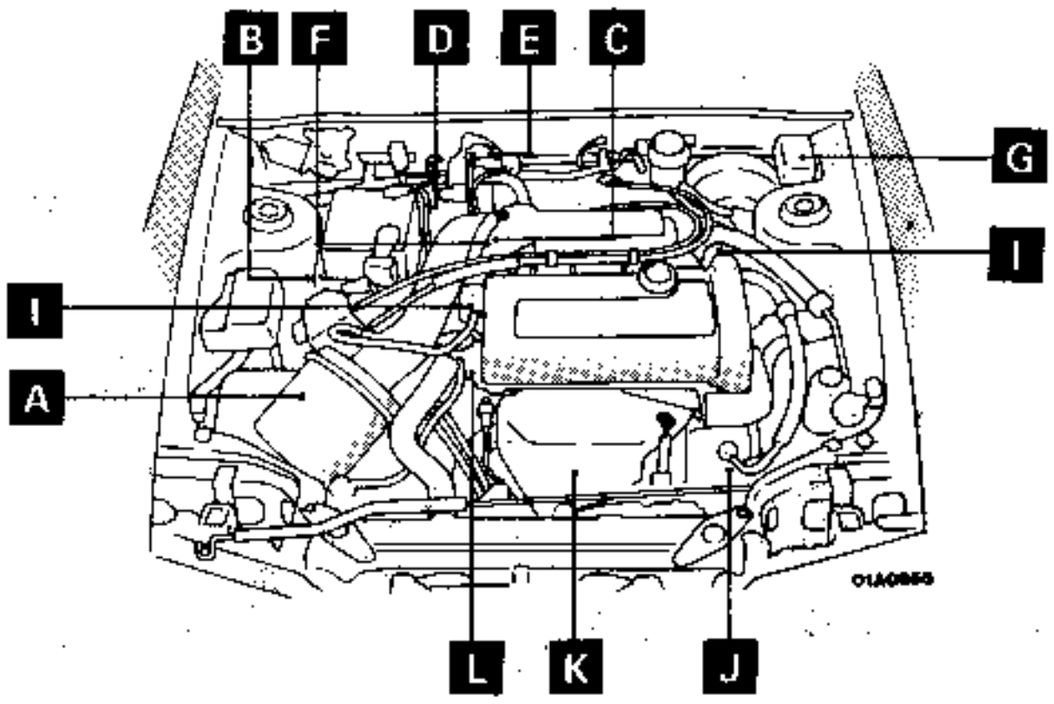
NOTE
The "Name" column is arranged in alphabetical order.

Engine compartment

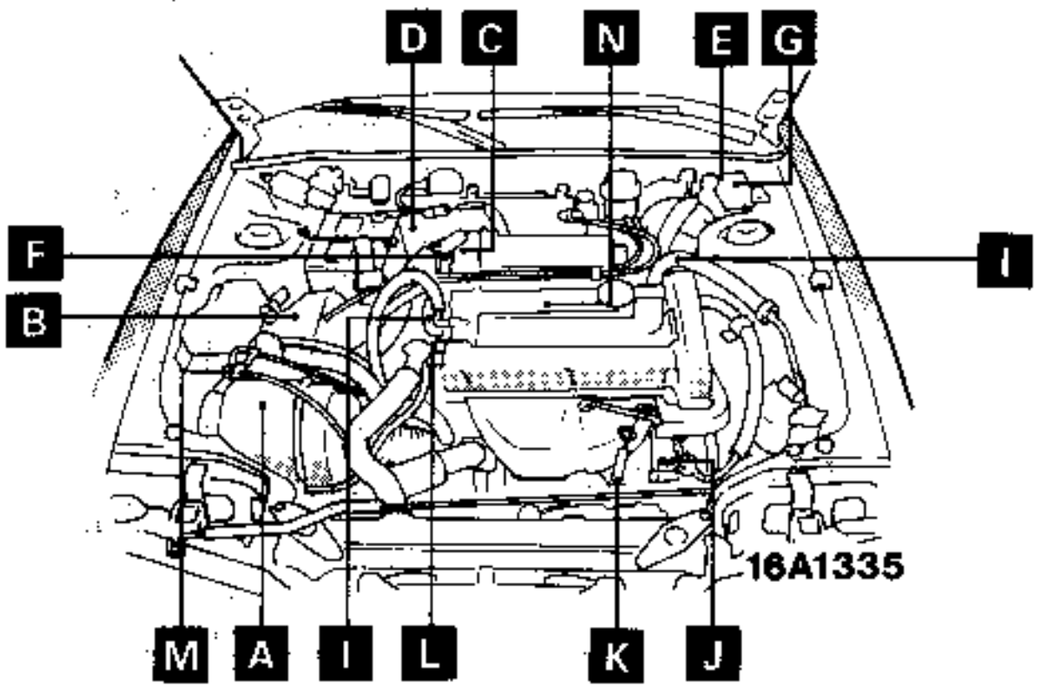
1.8L Engine



2.0L DOHC Non-Turbo

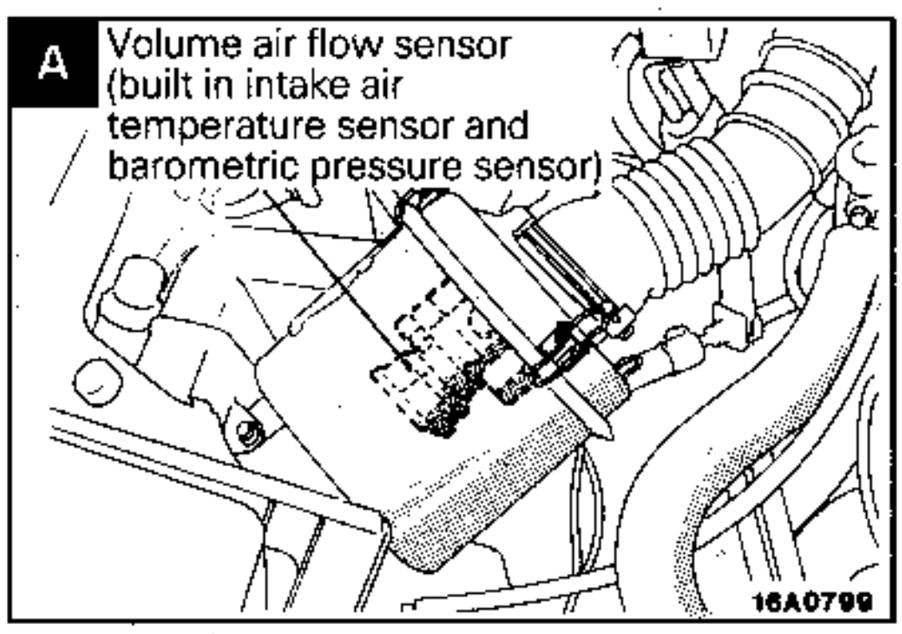


2.0L DOHC Turbo

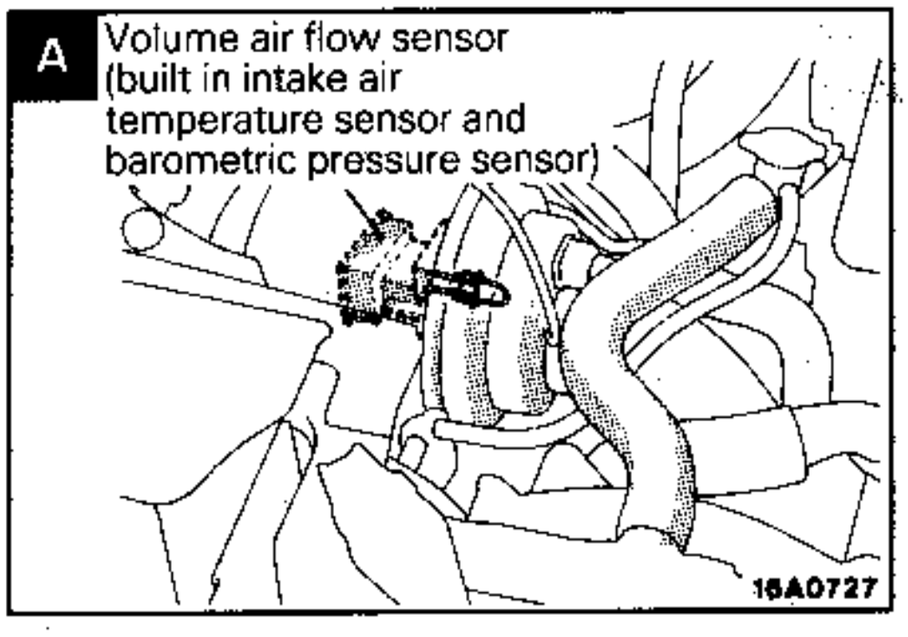


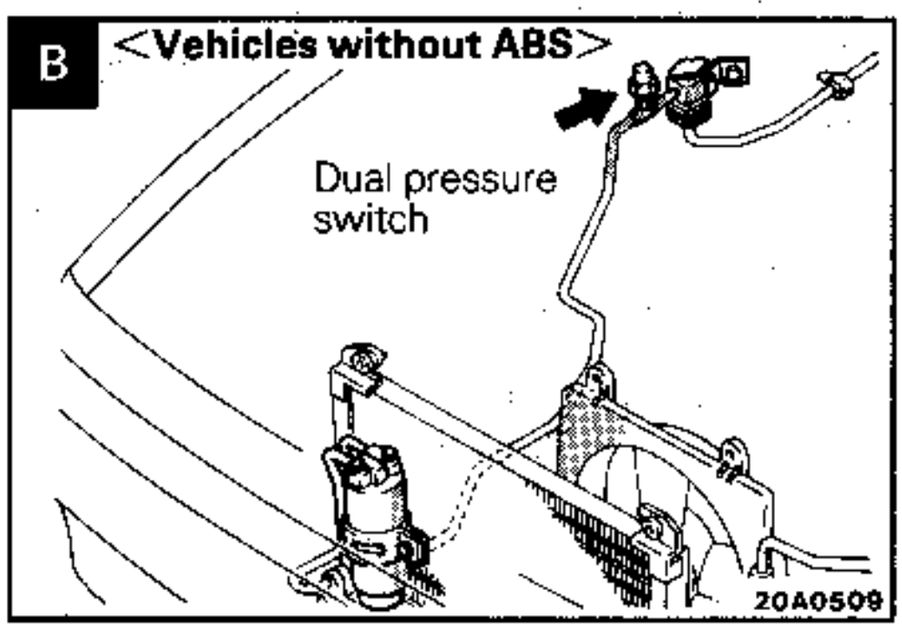
TSB Revision

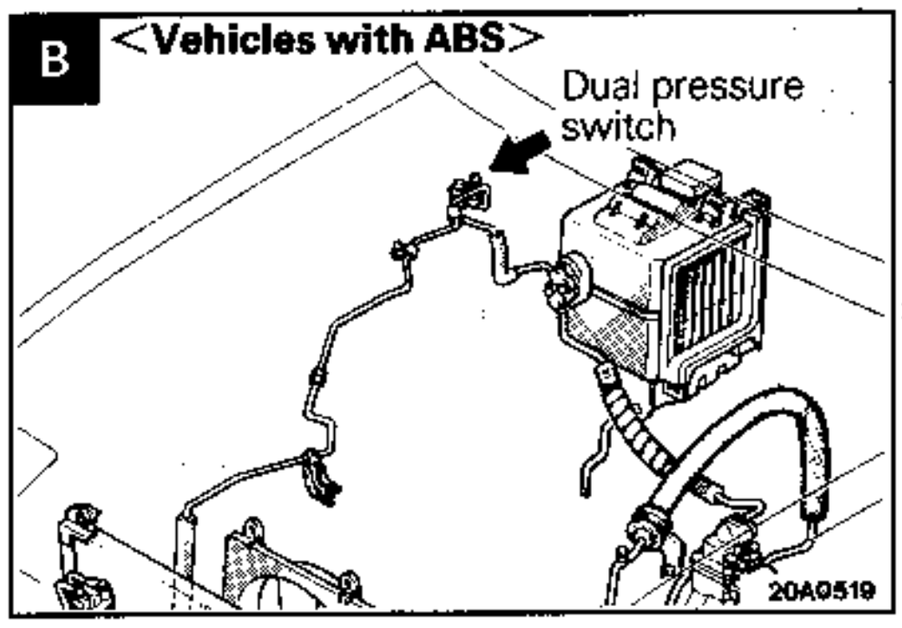
1.8L Engine, 2.0L DOHC Non-Turbo Engine



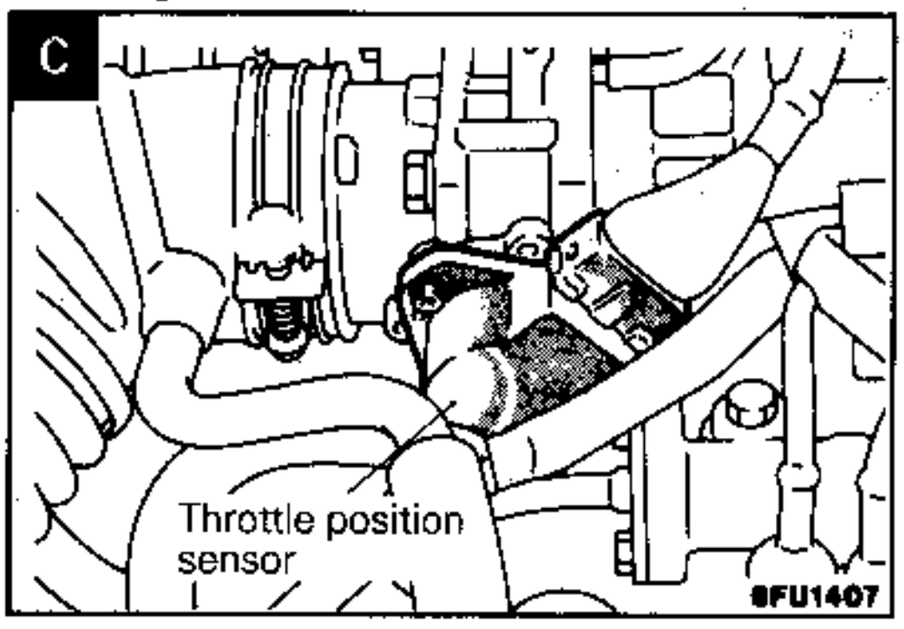
2.0L DOHC Turbo Engine







1.8L Engine



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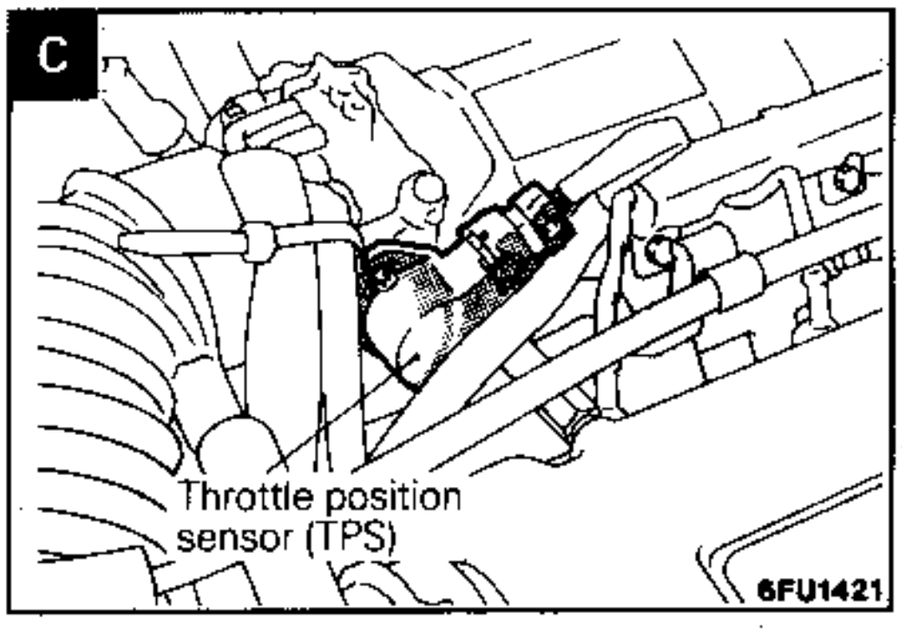
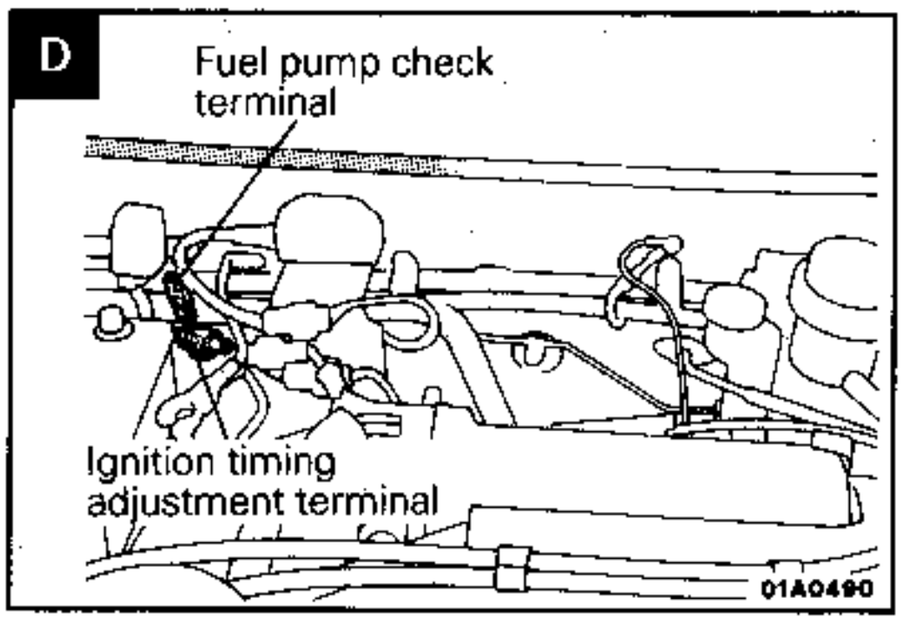
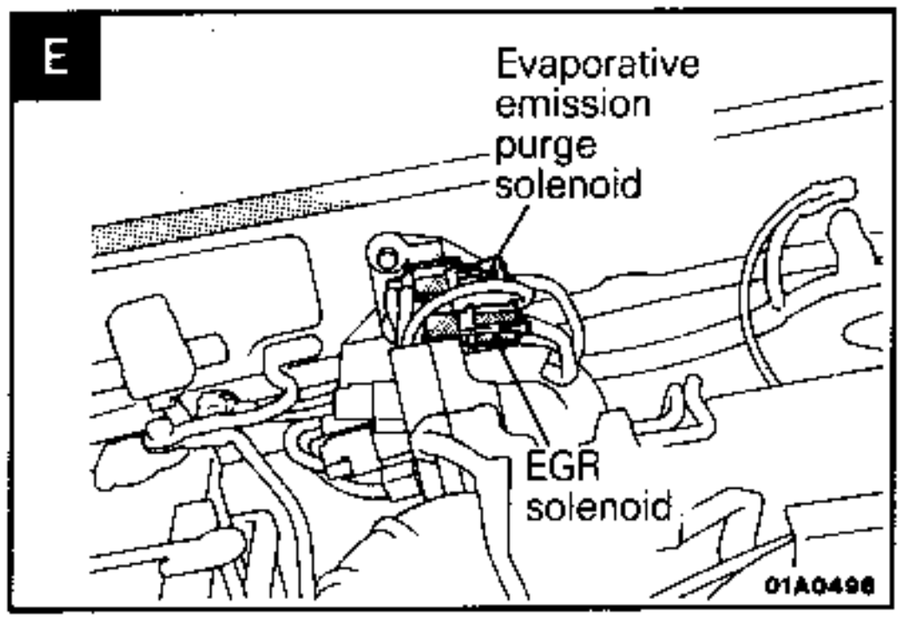


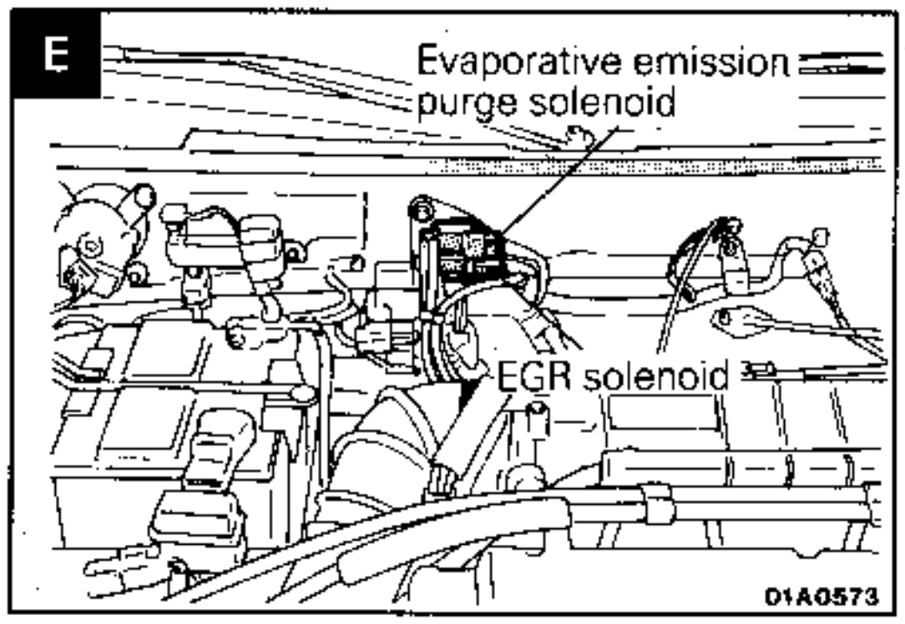


1.8L Engine

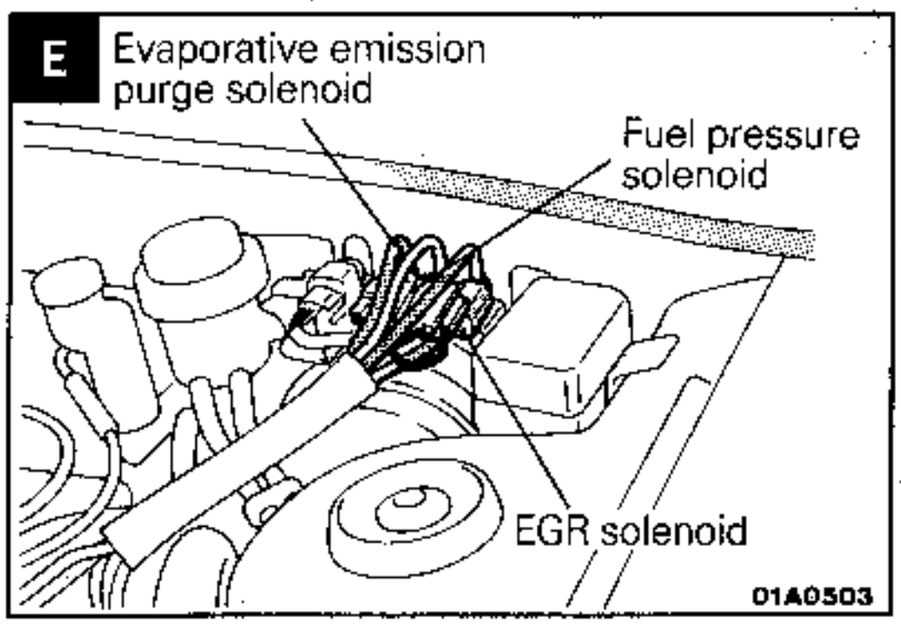


TSB Revision

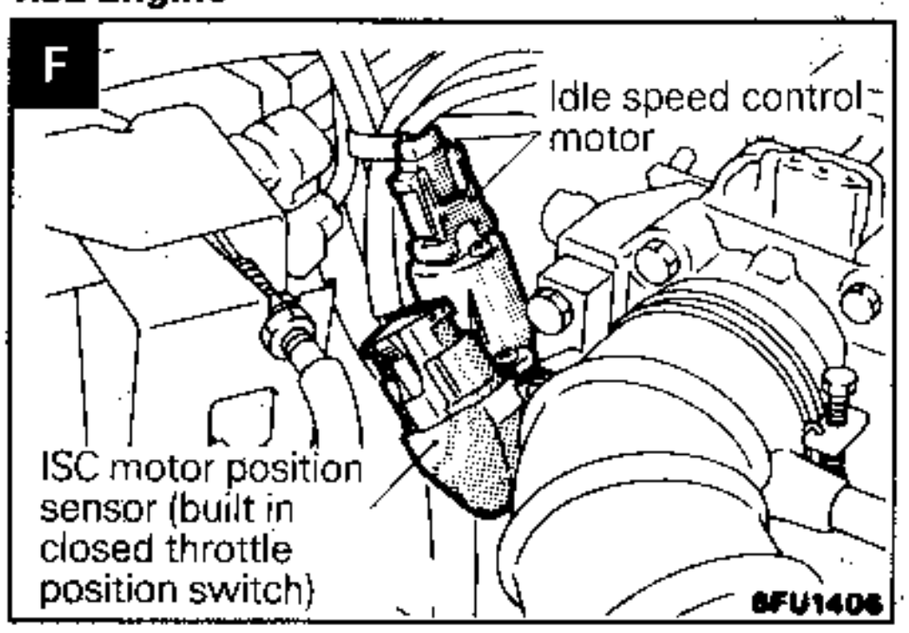
2.0L DOHC Non-Turbo Engine



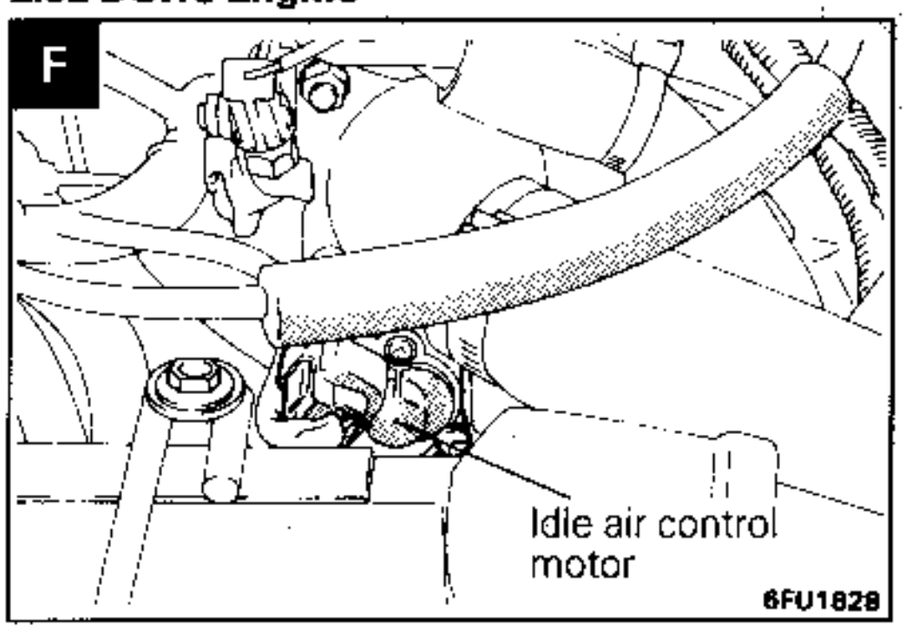
2.0L DOHC Turbo Engine

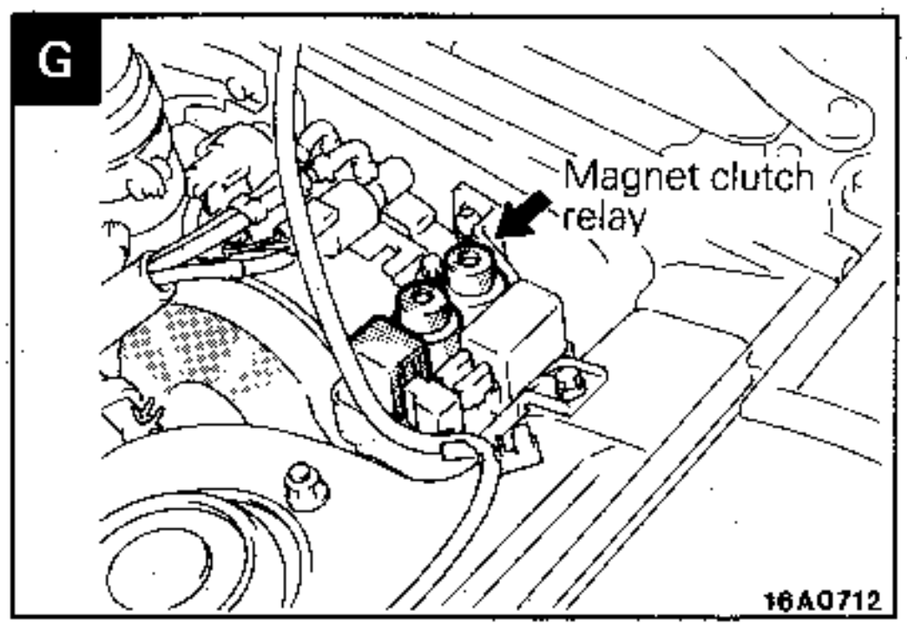


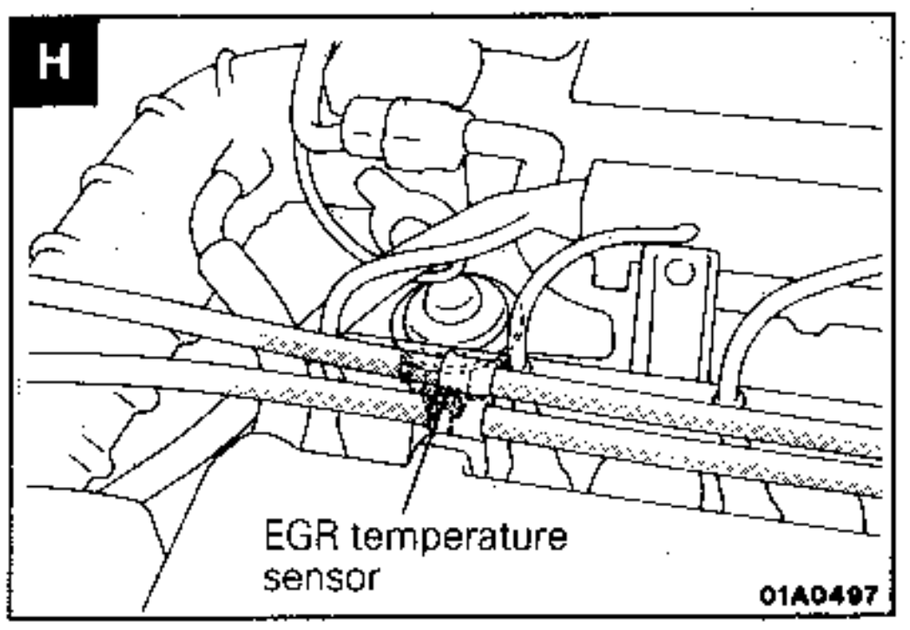
1.8L Engine



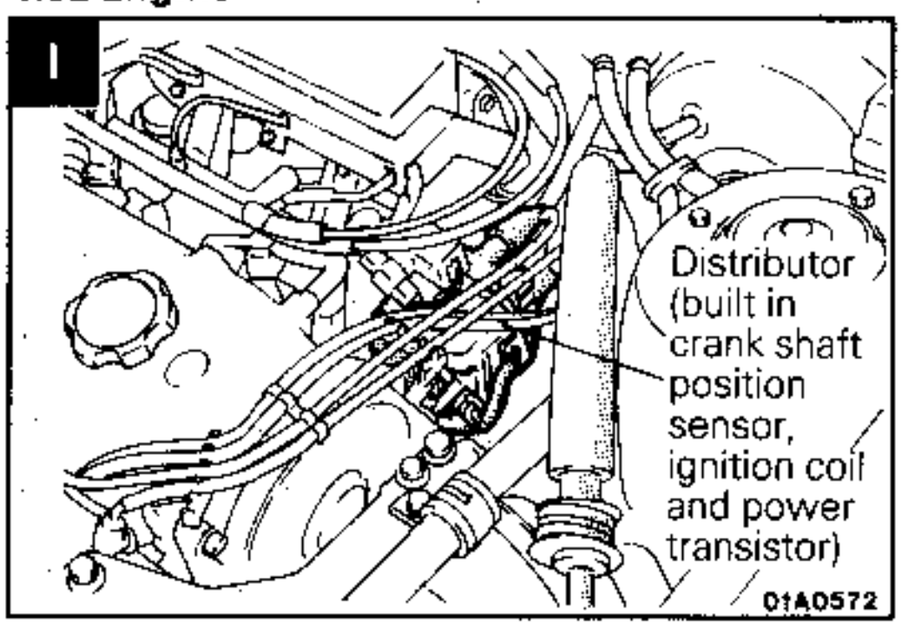
2.0L DOHC Engine



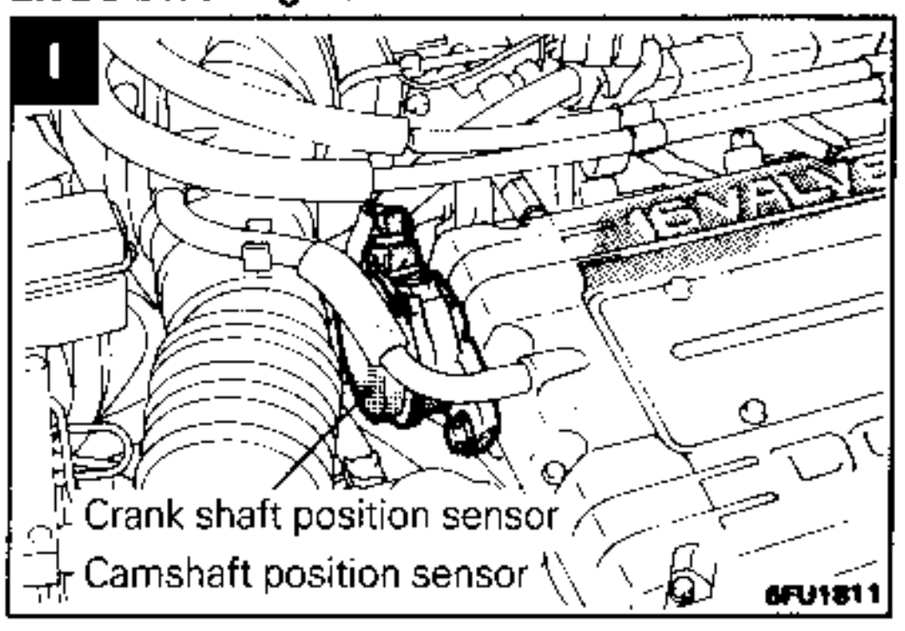




1.8L Engine

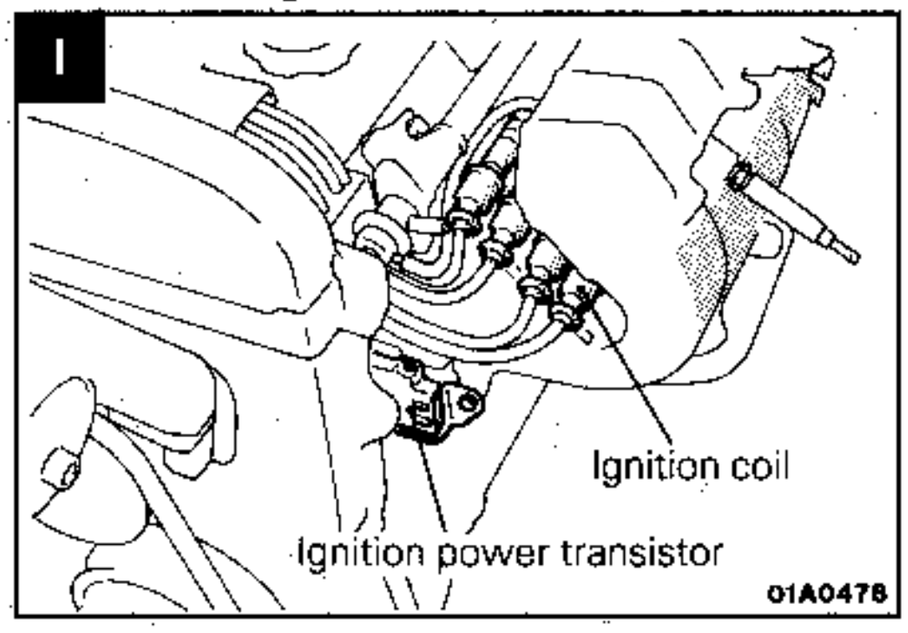


2.0L DOHC Engine

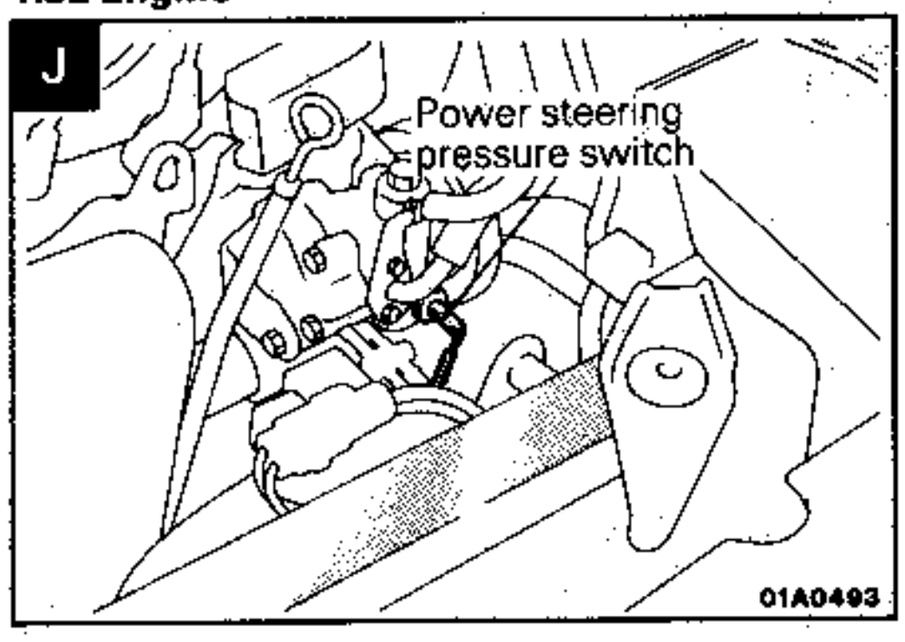


TSB Revision

2.0L DOHC Engine



1.8L Engine



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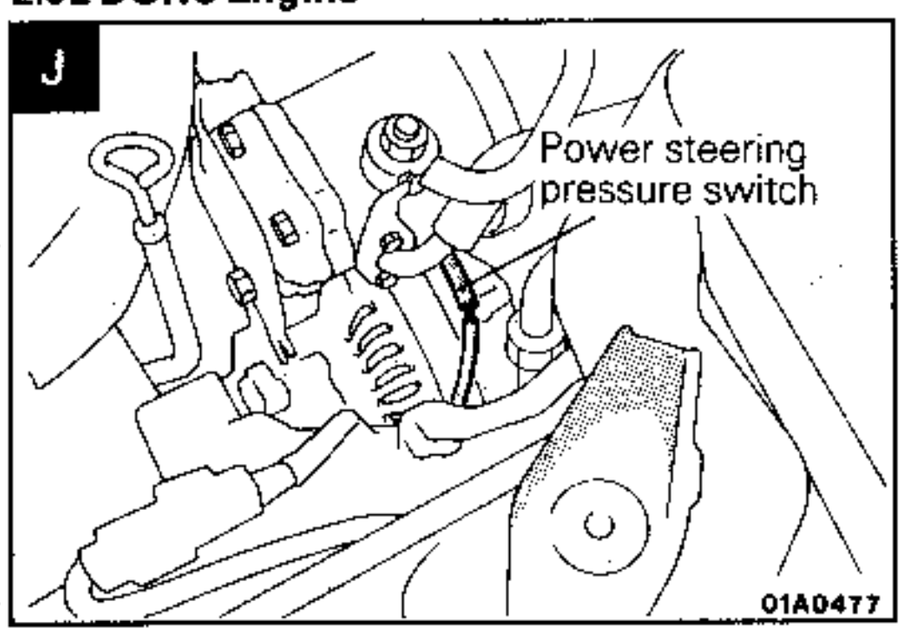

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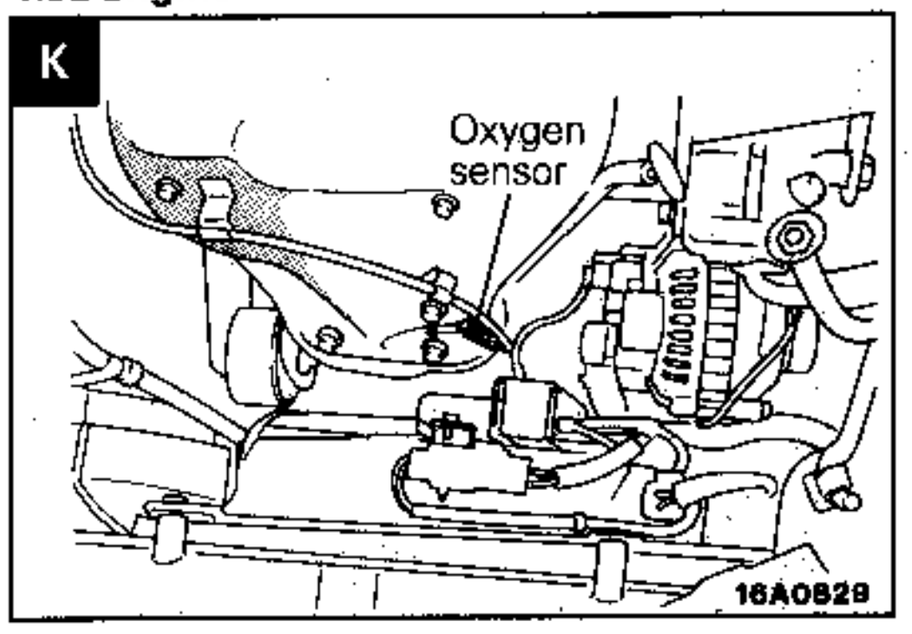
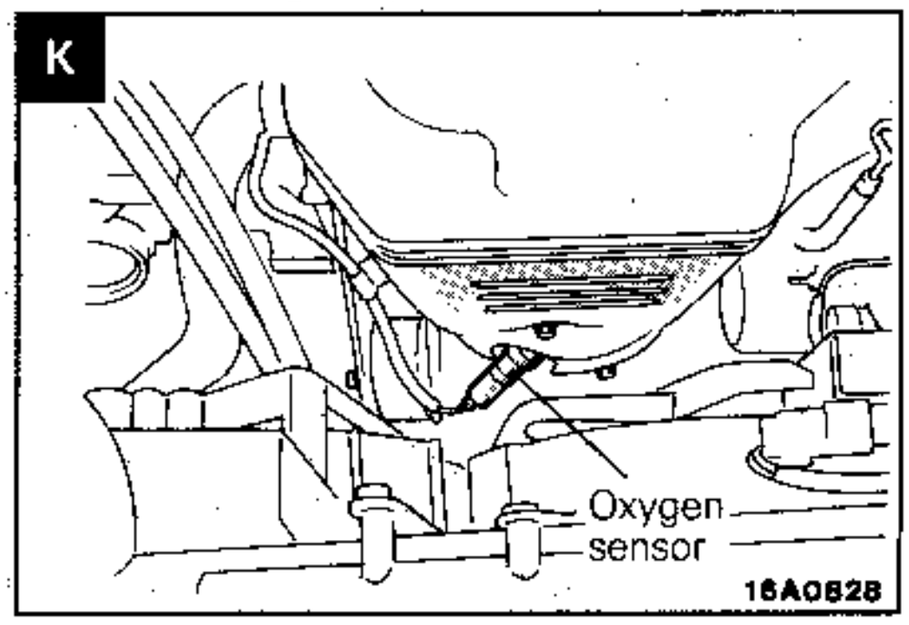
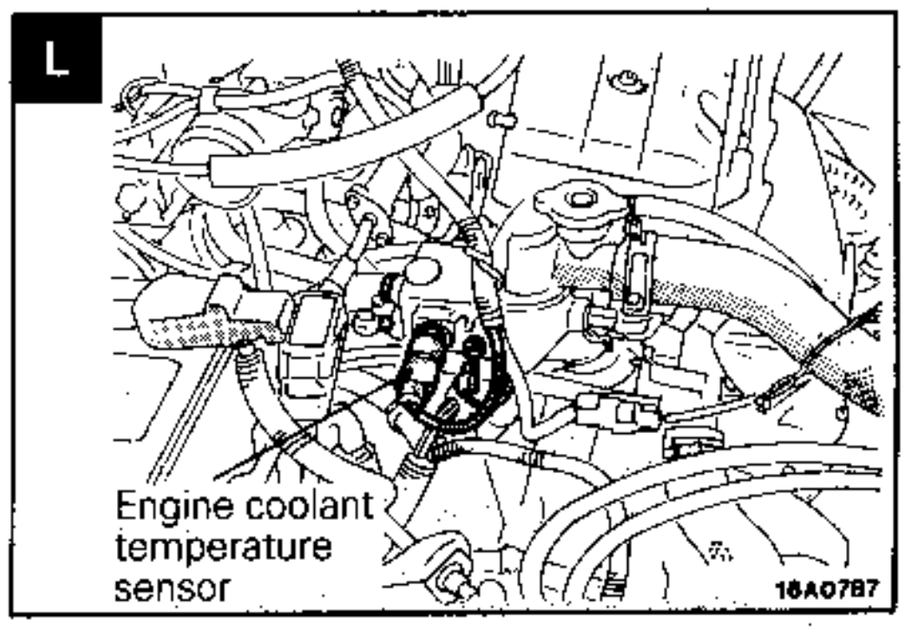


2.0L DOHC Engine



1.8L Engine



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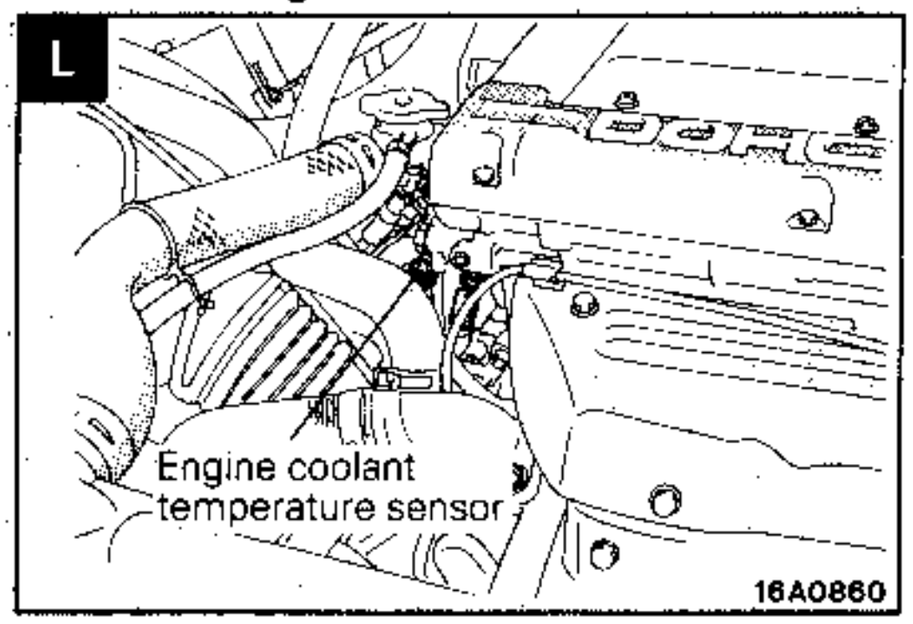
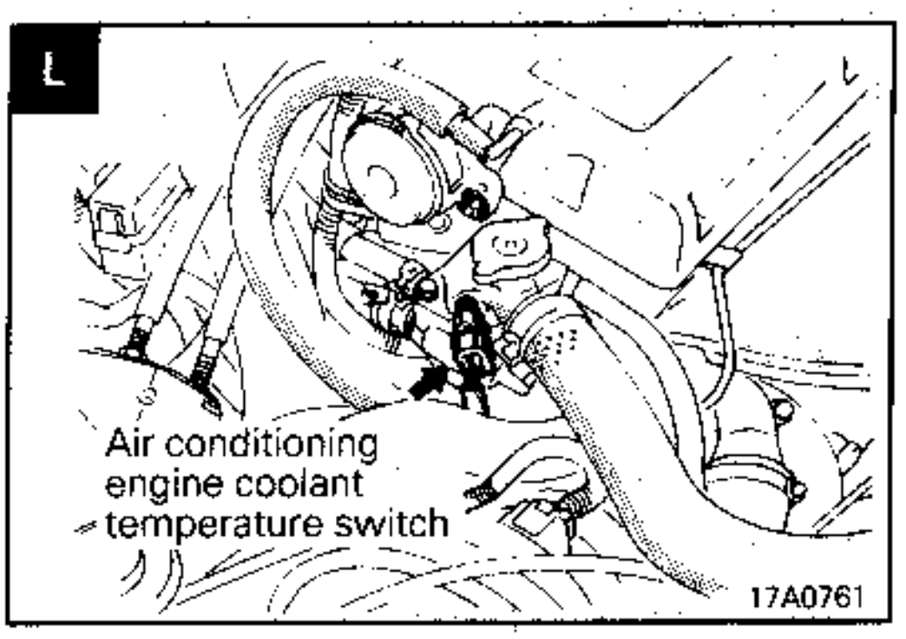
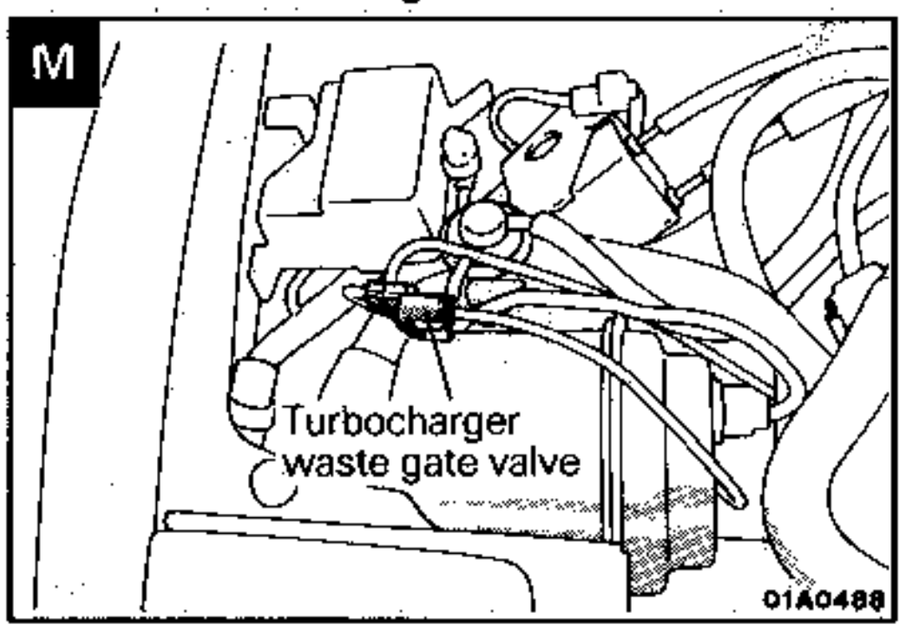




TSB Revision

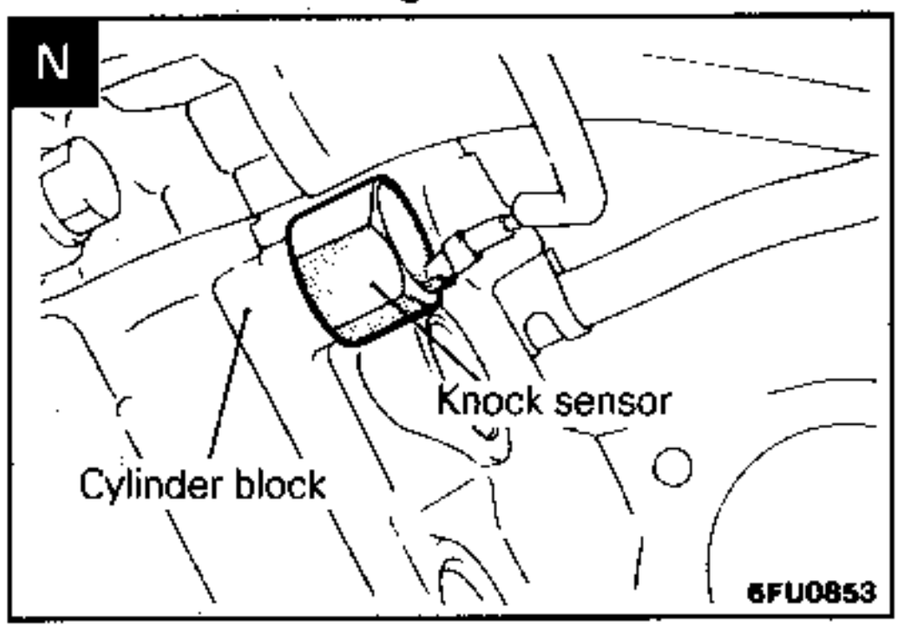
2.0L DOHC Turbo Engine

M



2.0L DOHC Turbo Engine

N



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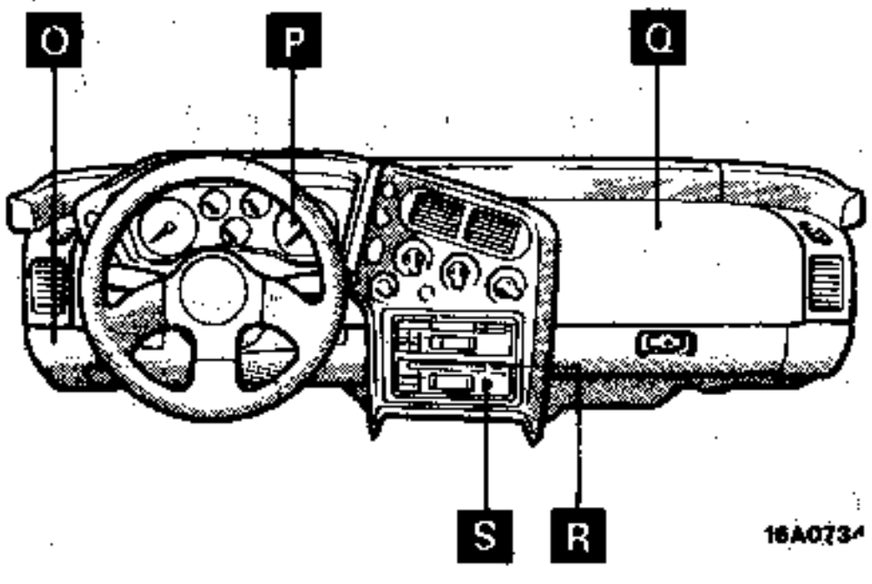

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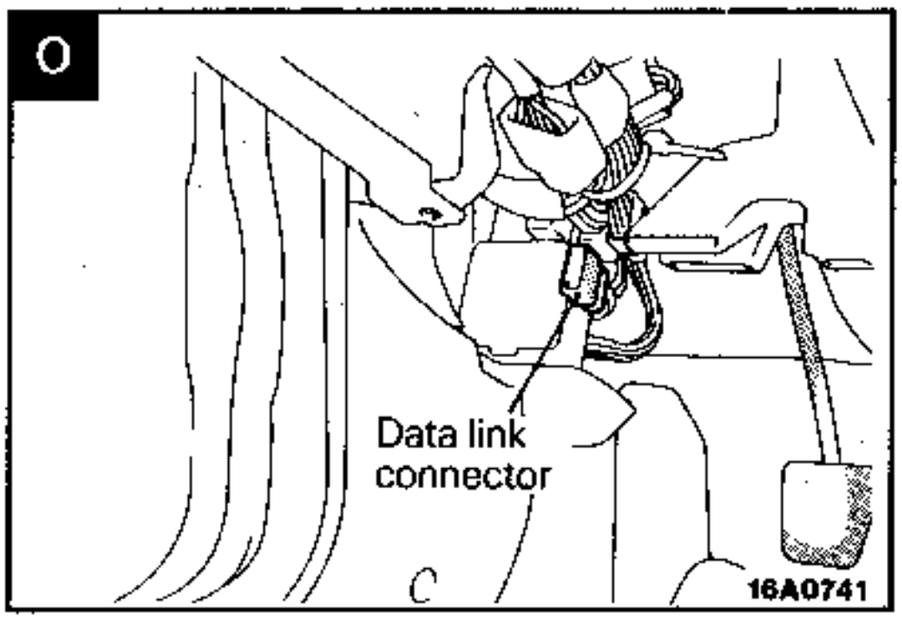

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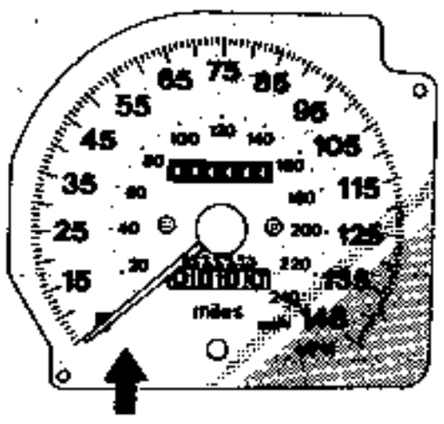

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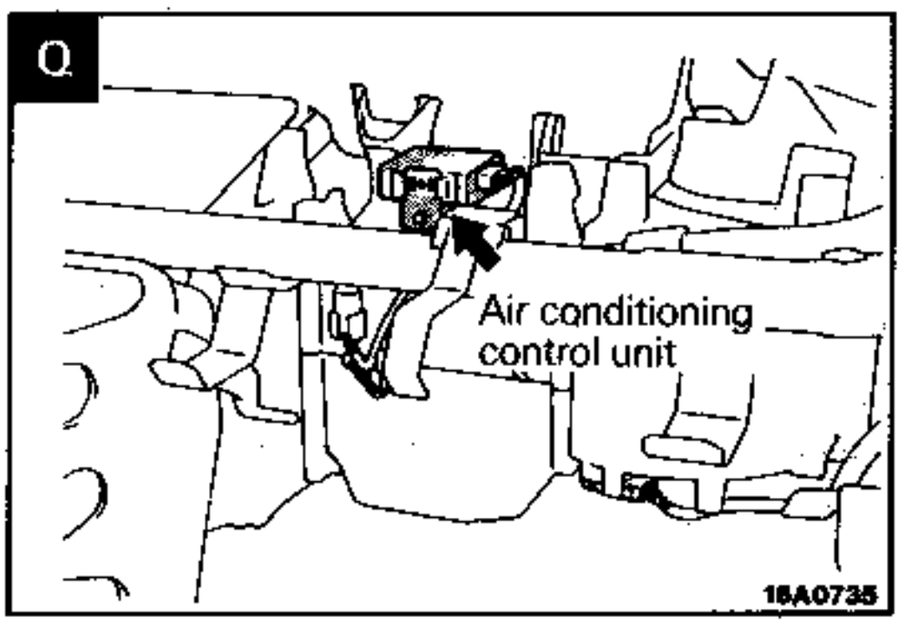

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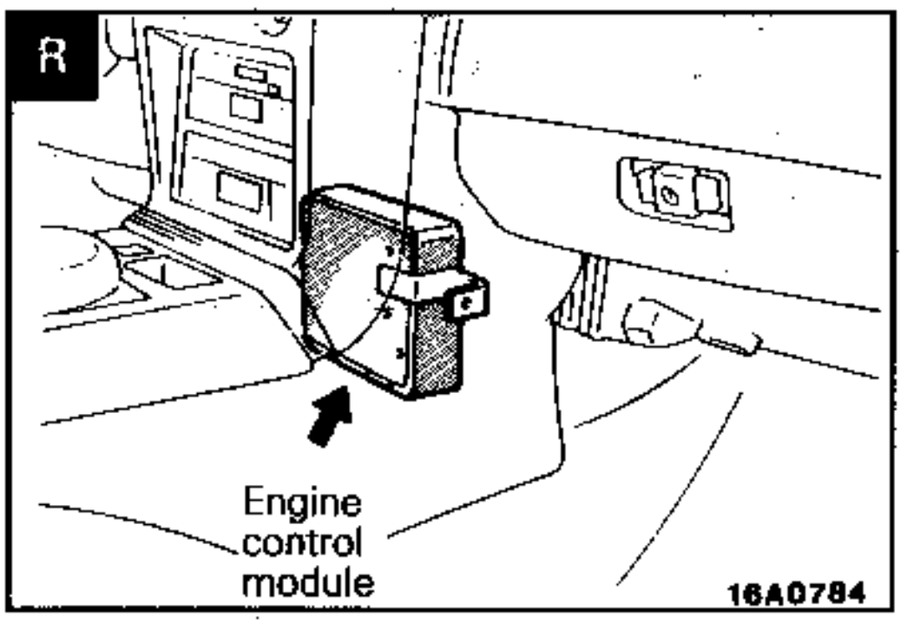

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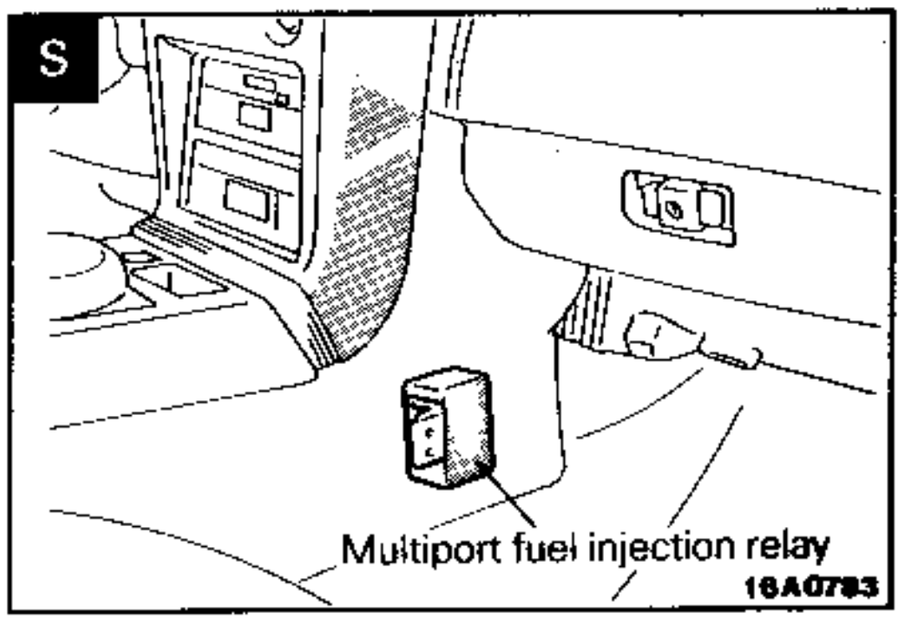

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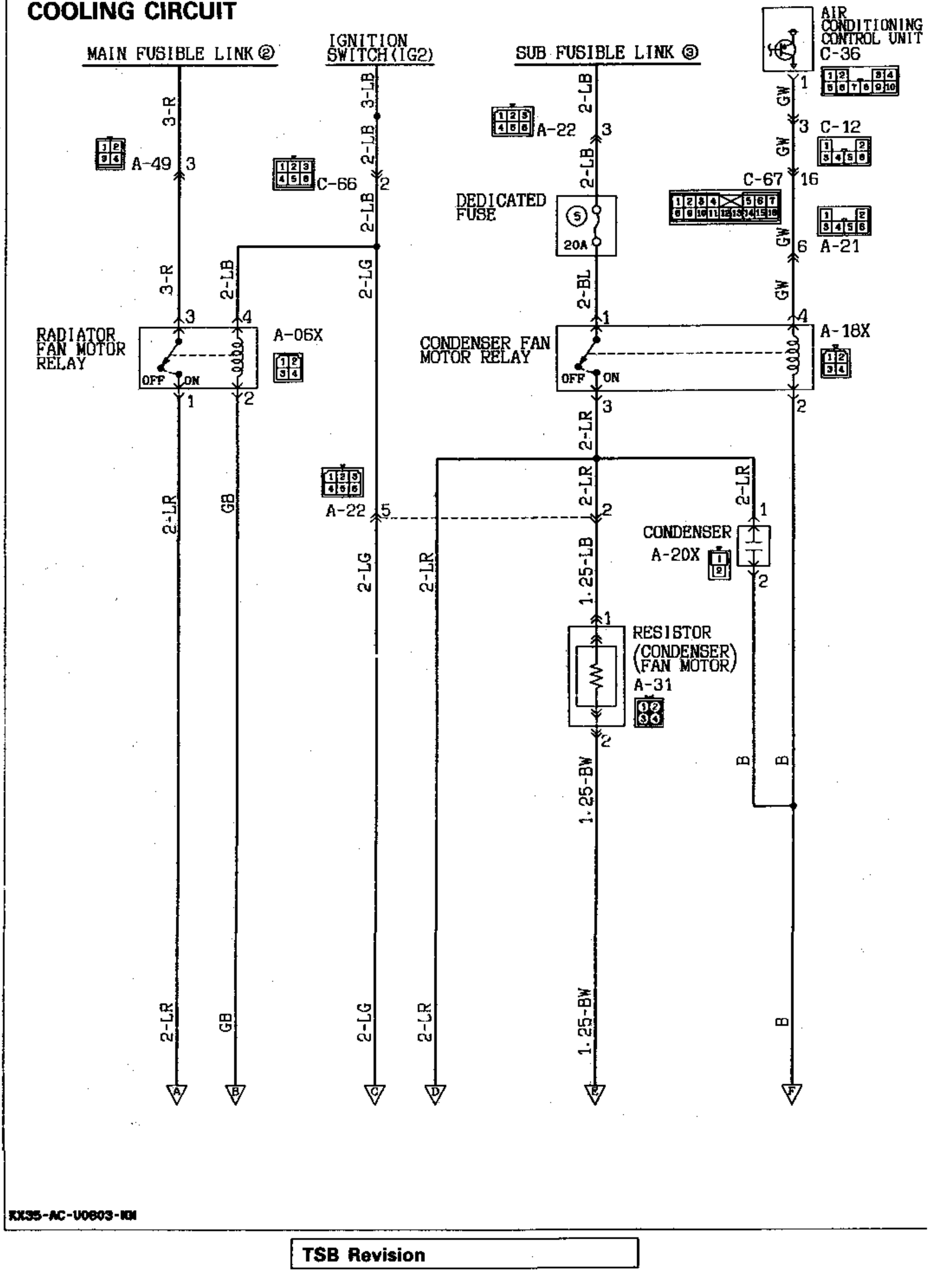
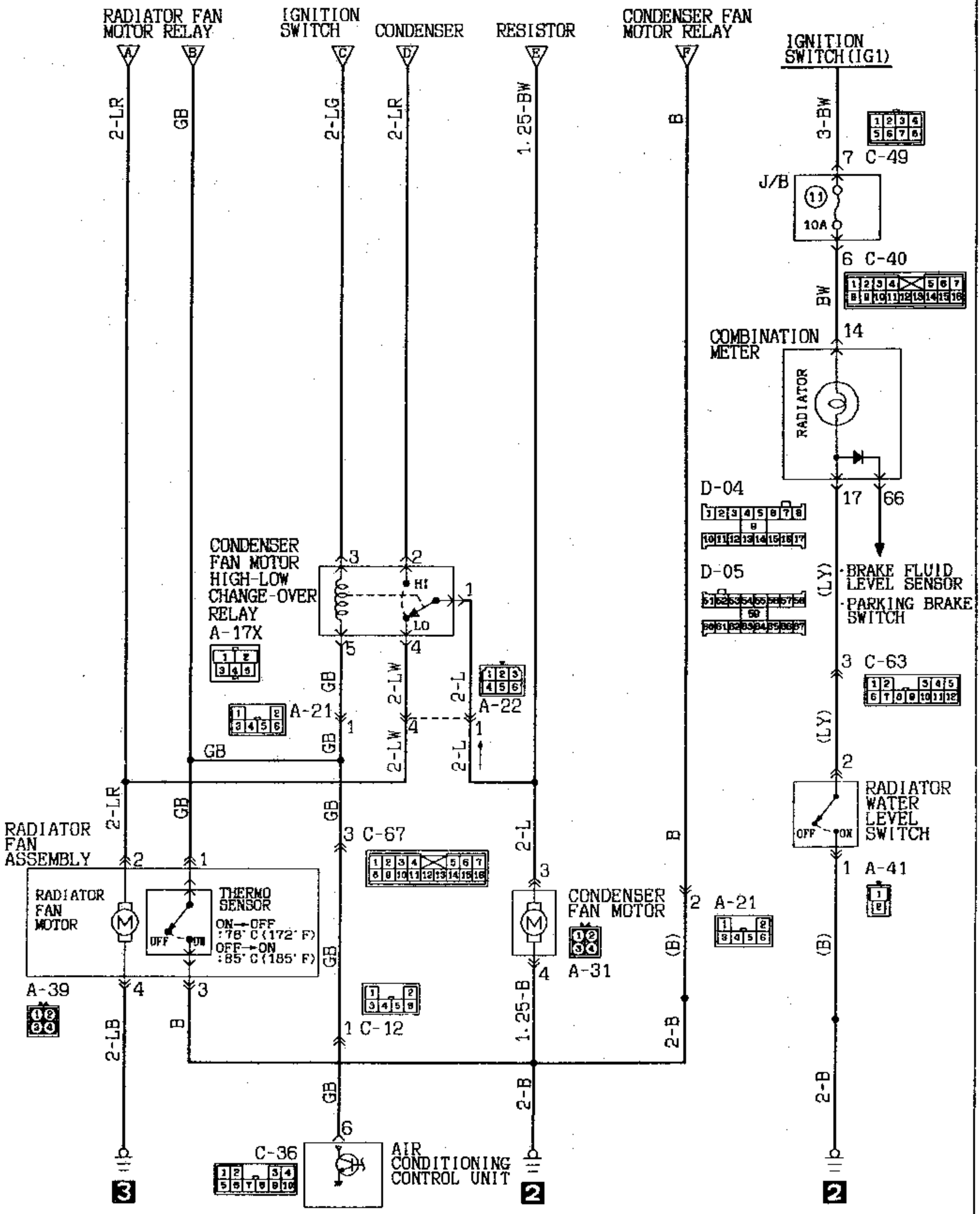
COOLING CIRCUIT



TSB Revision

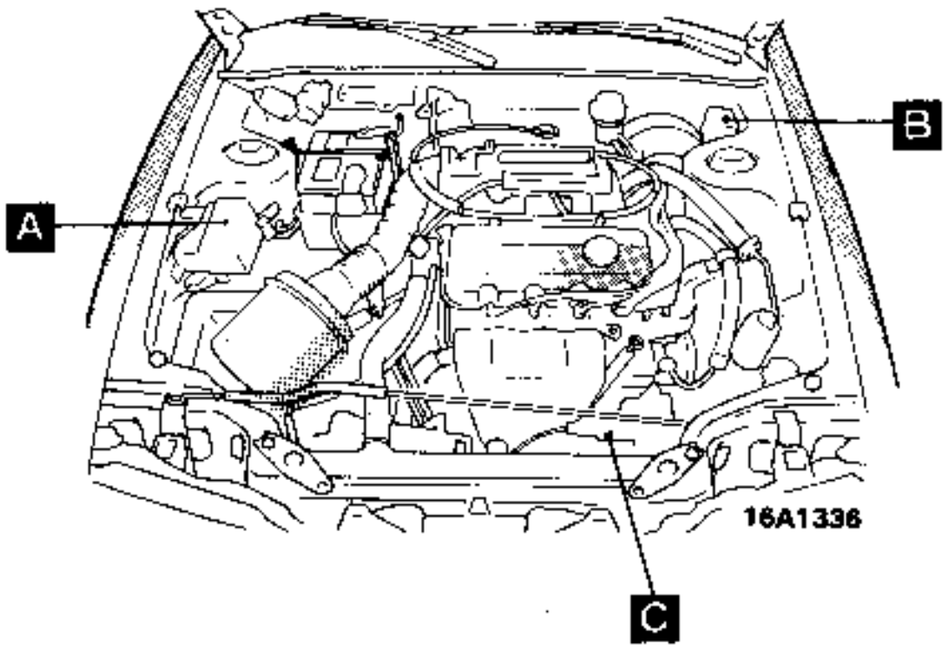


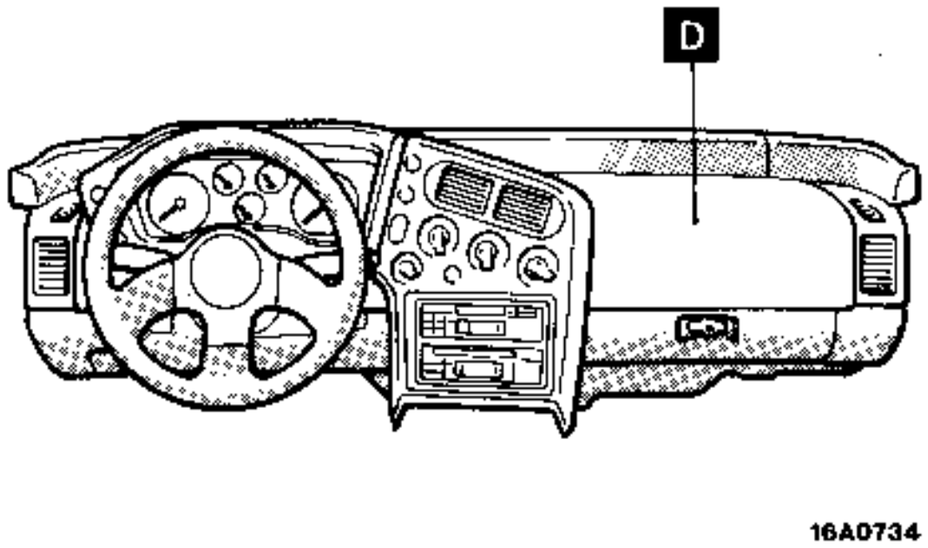
TSB Revision

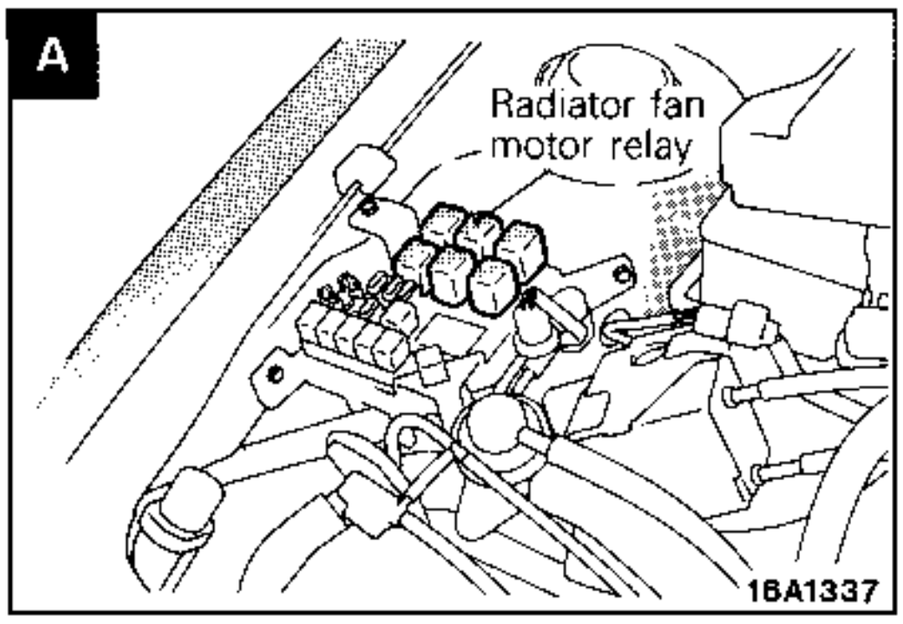
COMPONENT LOCATION

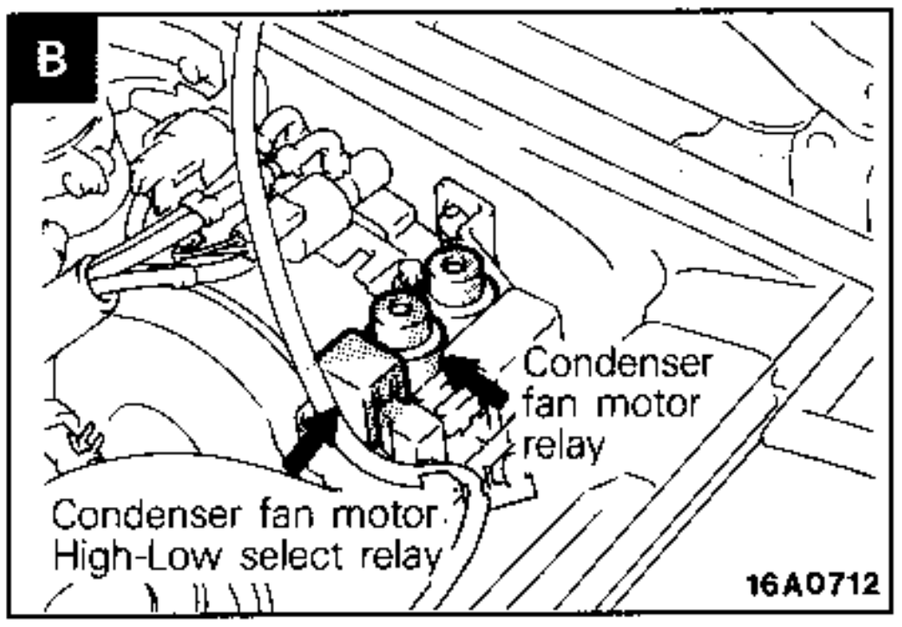
Name	Symbol	Name	Symbol
Air conditioning control unit	D	Radiator fan motor relay	A
Condenser fan motor High-Low select relay	B	Resistor	C
Condenser fan motor relay	B	—	—

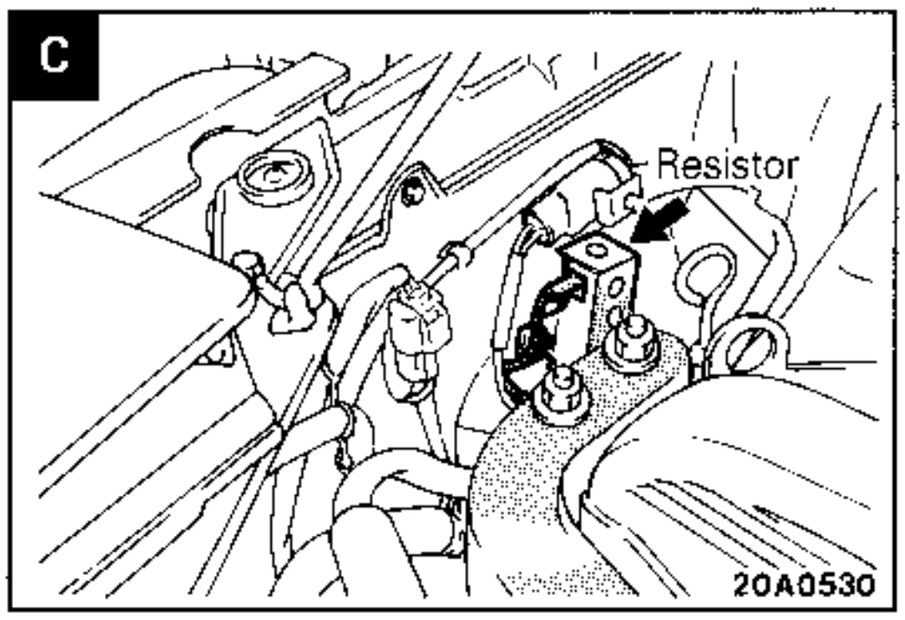
NOTE
The "Name" column is arranged in alphabetical order.

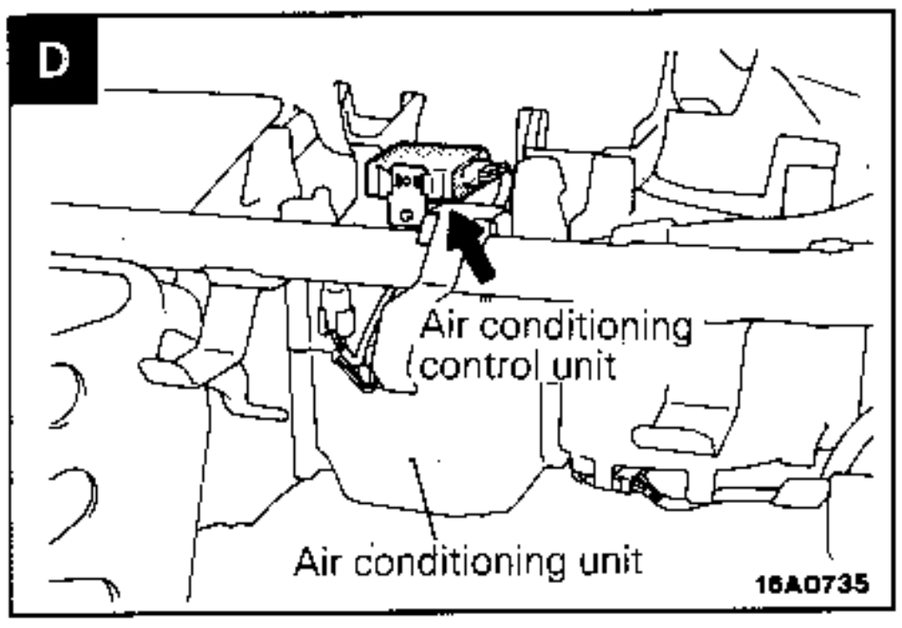






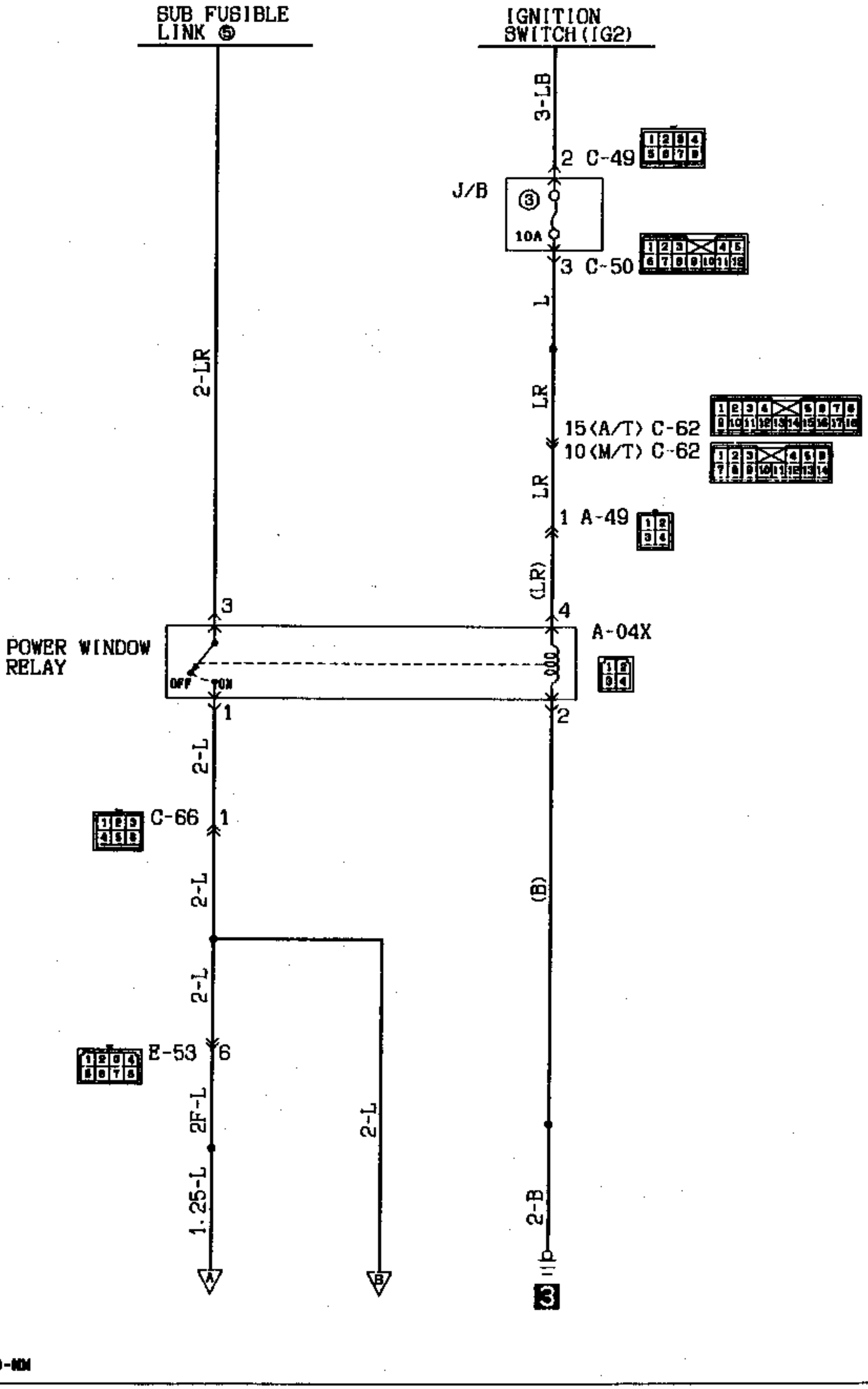






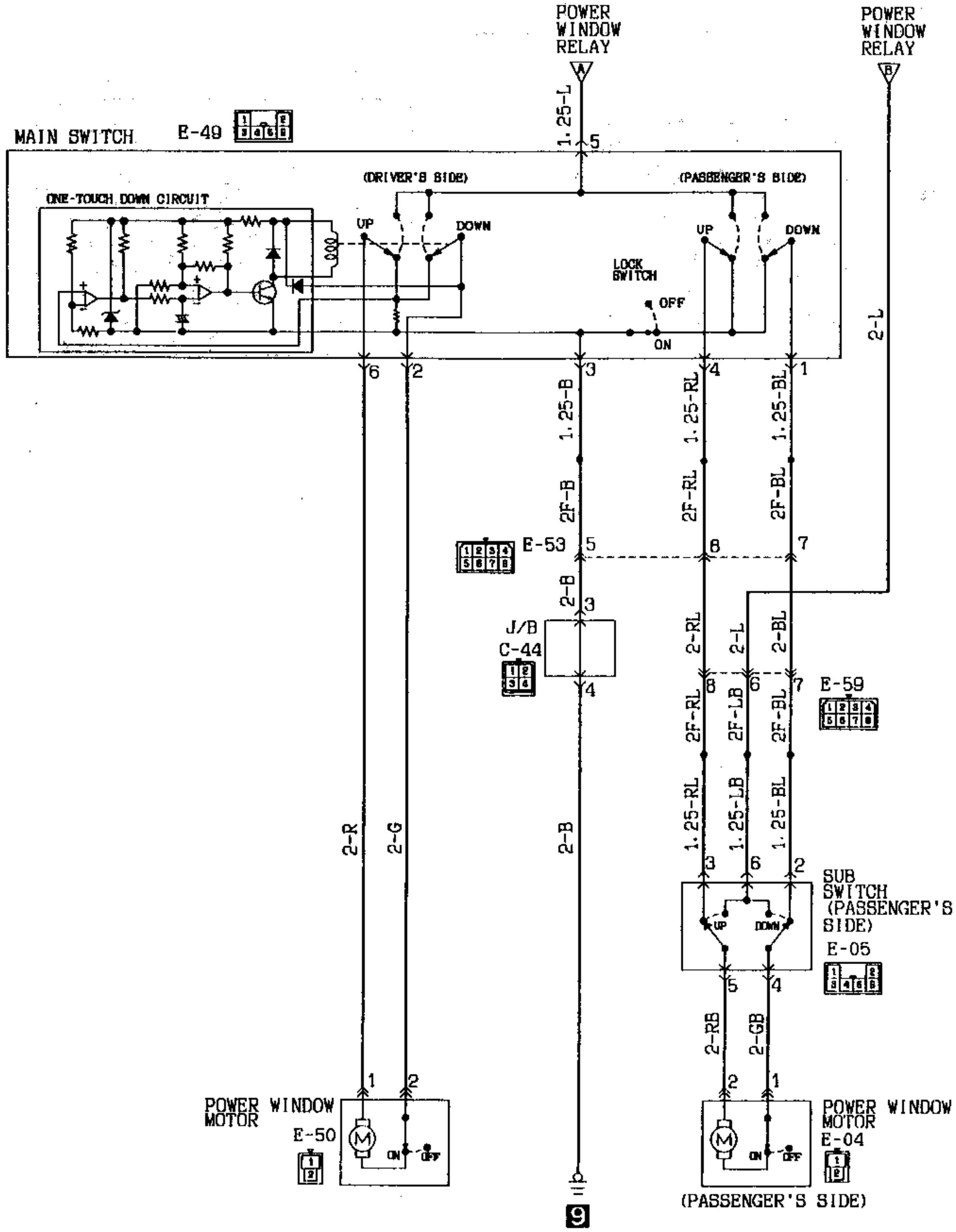
TSB Revision

POWER WINDOW CIRCUIT



KX35-AC-U1110-NN

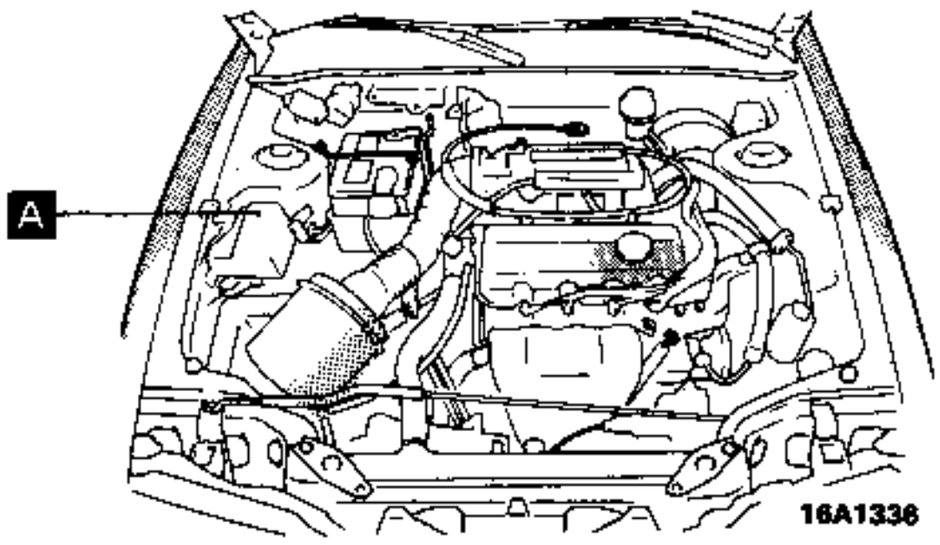
TSB Revision

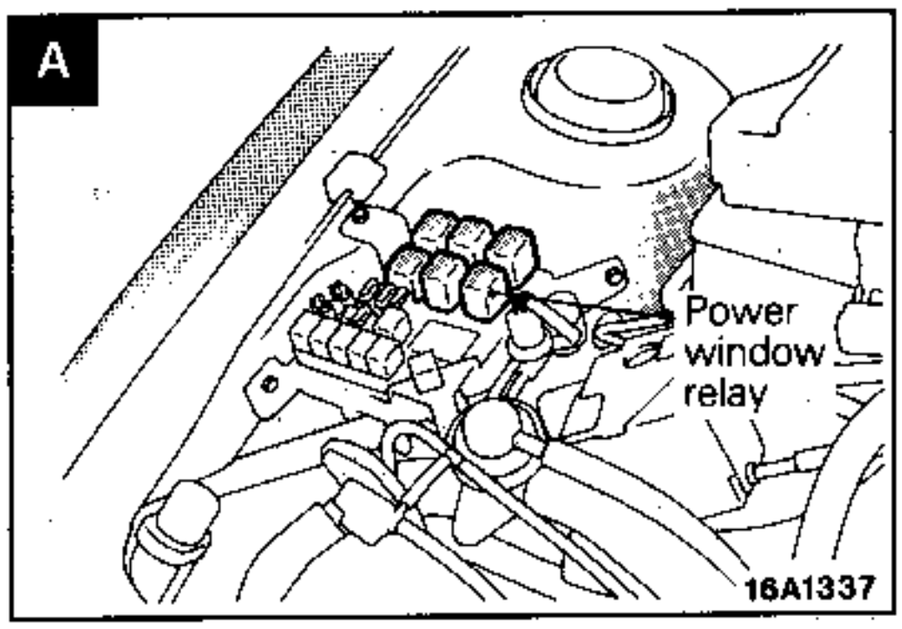


TSB Revision

COMPONENT LOCATION

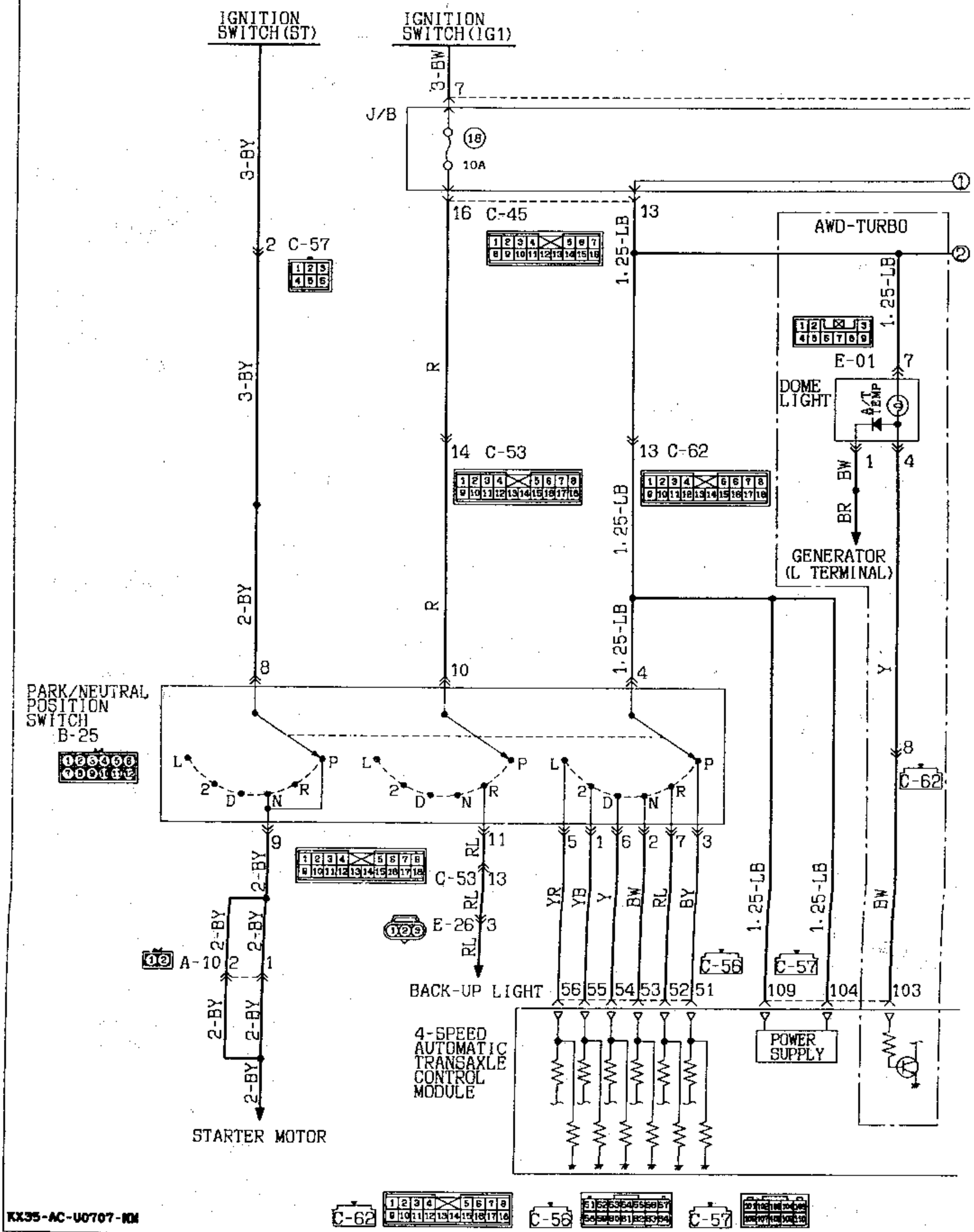
Name	Symbol
Power window relay	A





TSB Revision

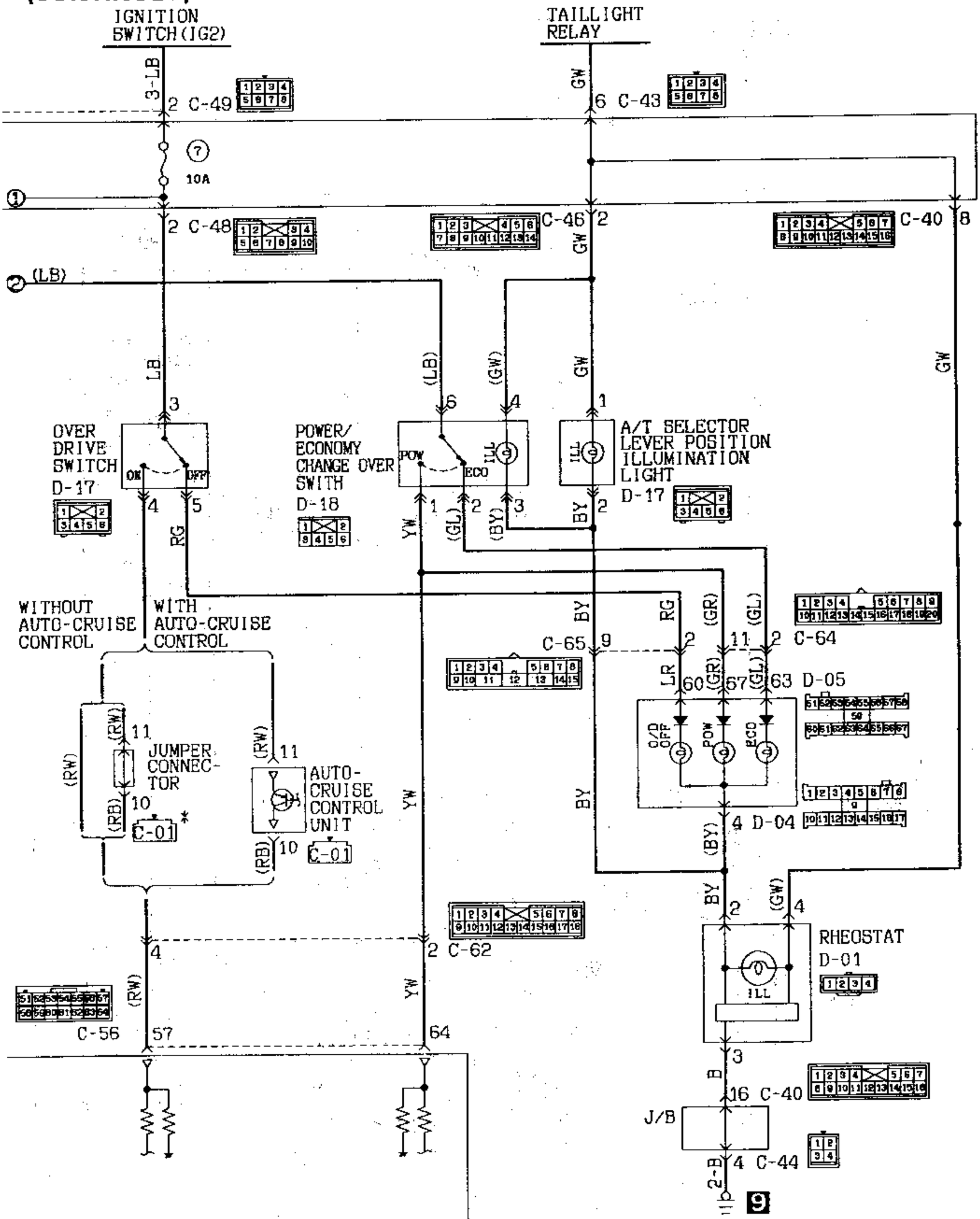
ELC 4-SPEED AUTOMATIC TRANSAXLE CIRCUIT <1992 MODELS>



KX35-AC-U0707-KM

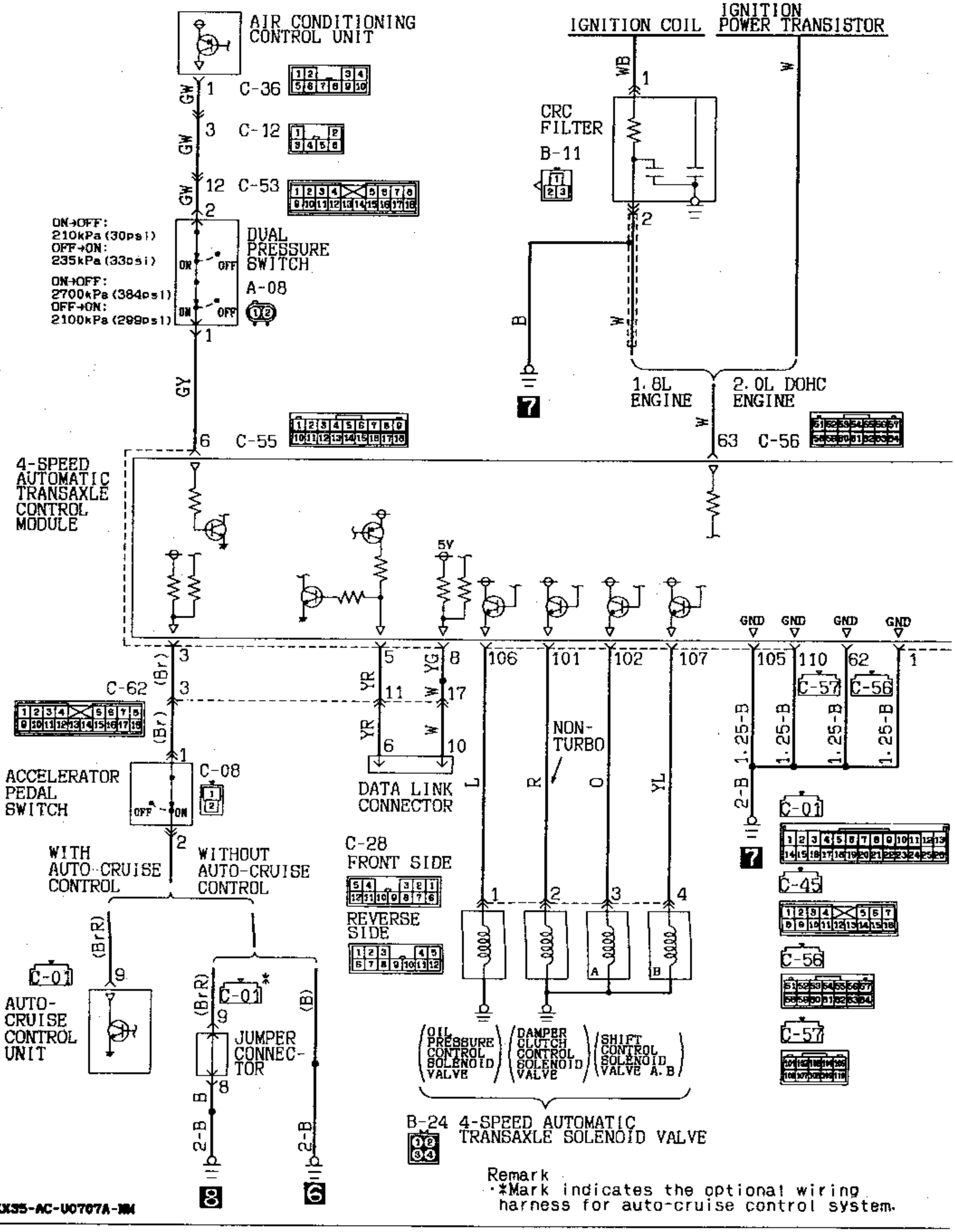
TSB Revision

ELC 4-SPEED AUTOMATIC TRANSAXLE CIRCUIT <1992 MODELS> (CONTINUED)



Remark
- *Mark indicates the optional wiring harness for auto-cruise control system.

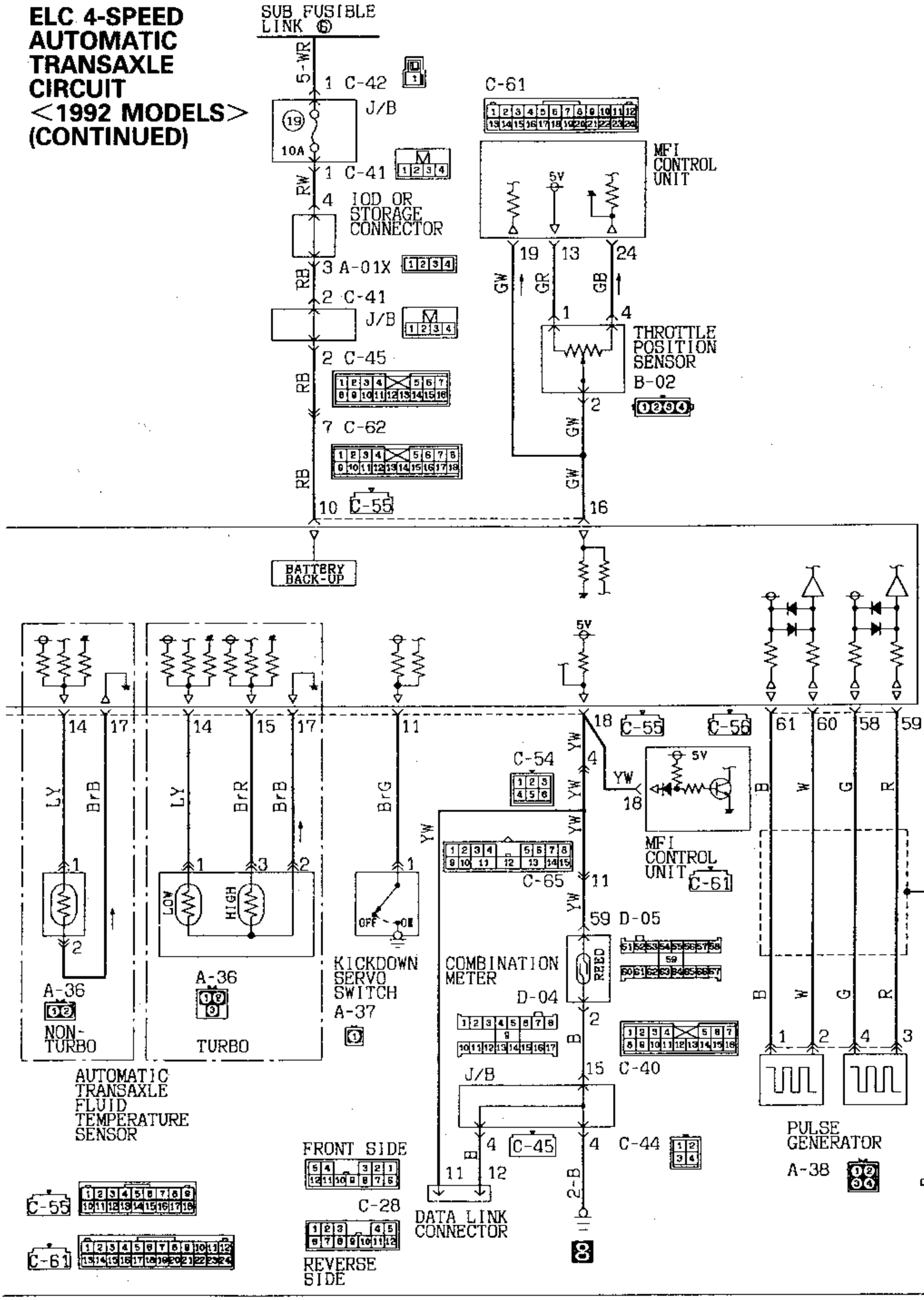
TSB Revision



KX35-AC-U0707A-MM

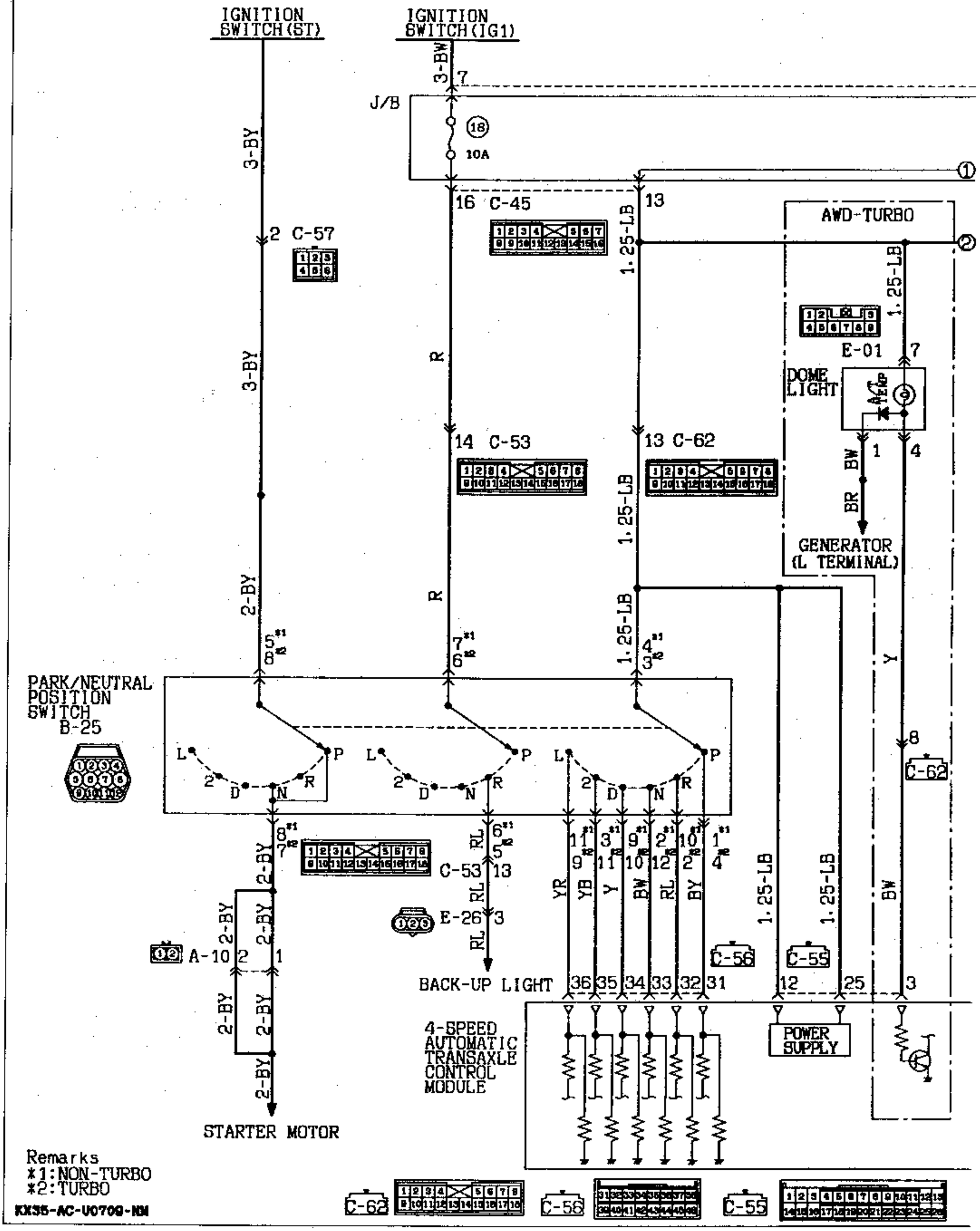
TSB Revision

ELC 4-SPEED AUTOMATIC TRANSAXLE CIRCUIT <1992 MODELS> (CONTINUED)



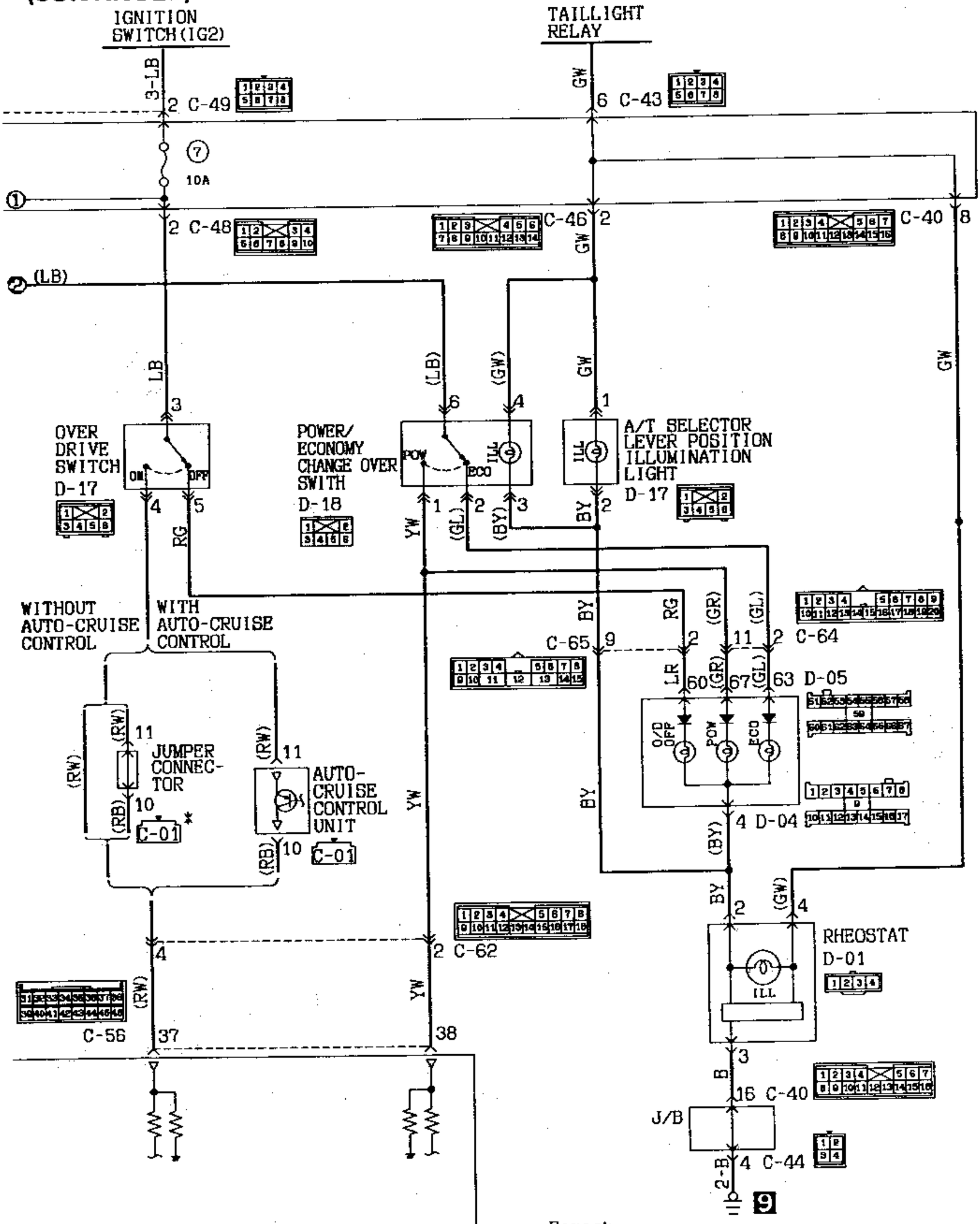
TSB Revision

ELC 4-SPEED AUTOMATIC TRANSAXLE CIRCUIT
<FROM 1993 MODELS>



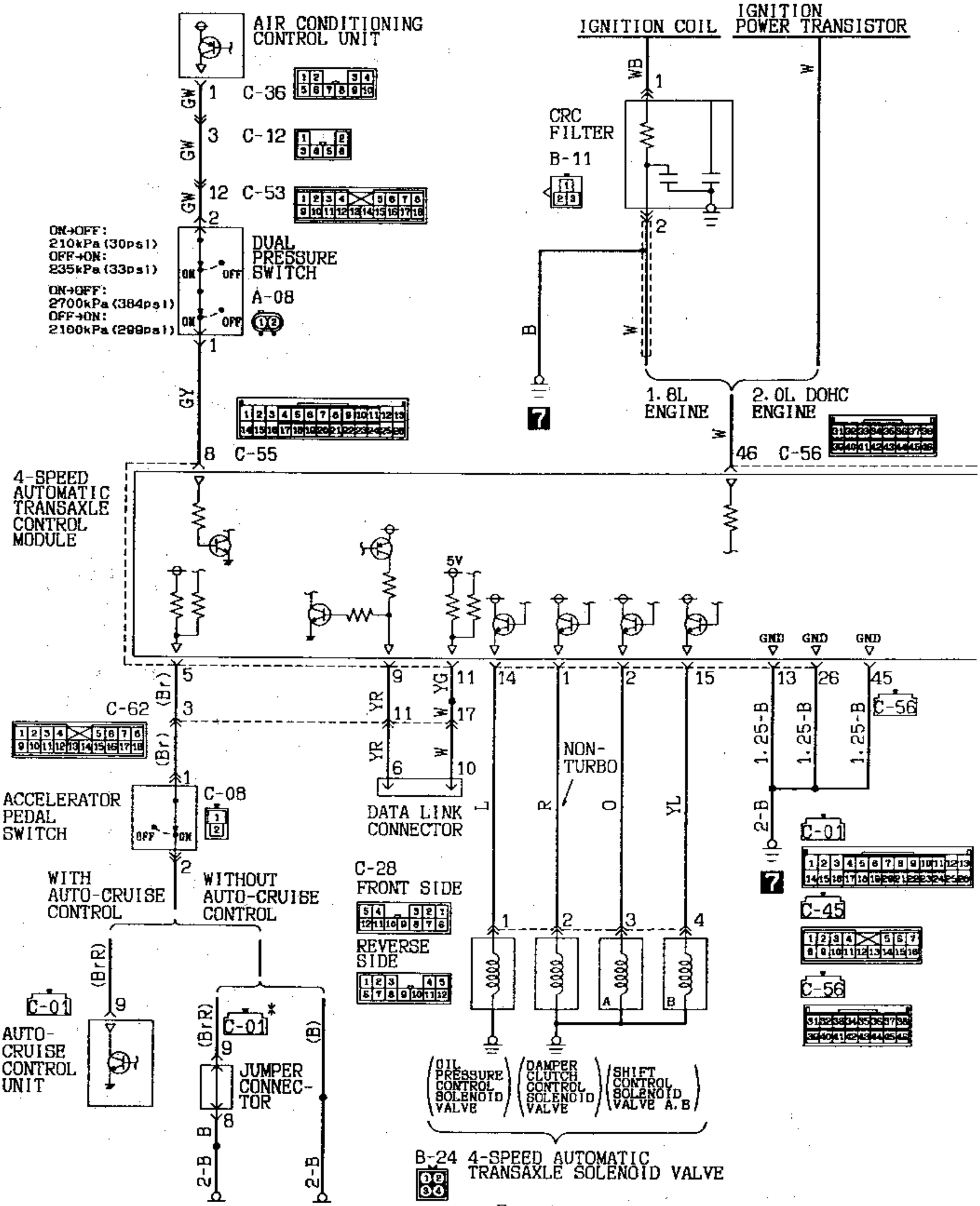
TSB Revision

ELC 4-SPEED AUTOMATIC TRANSAXLE CIRCUIT <FROM 1993 MODELS> (CONTINUED)



Remark
·*Mark indicates the optional wiring harness for auto-cruise control system.

TSB Revision

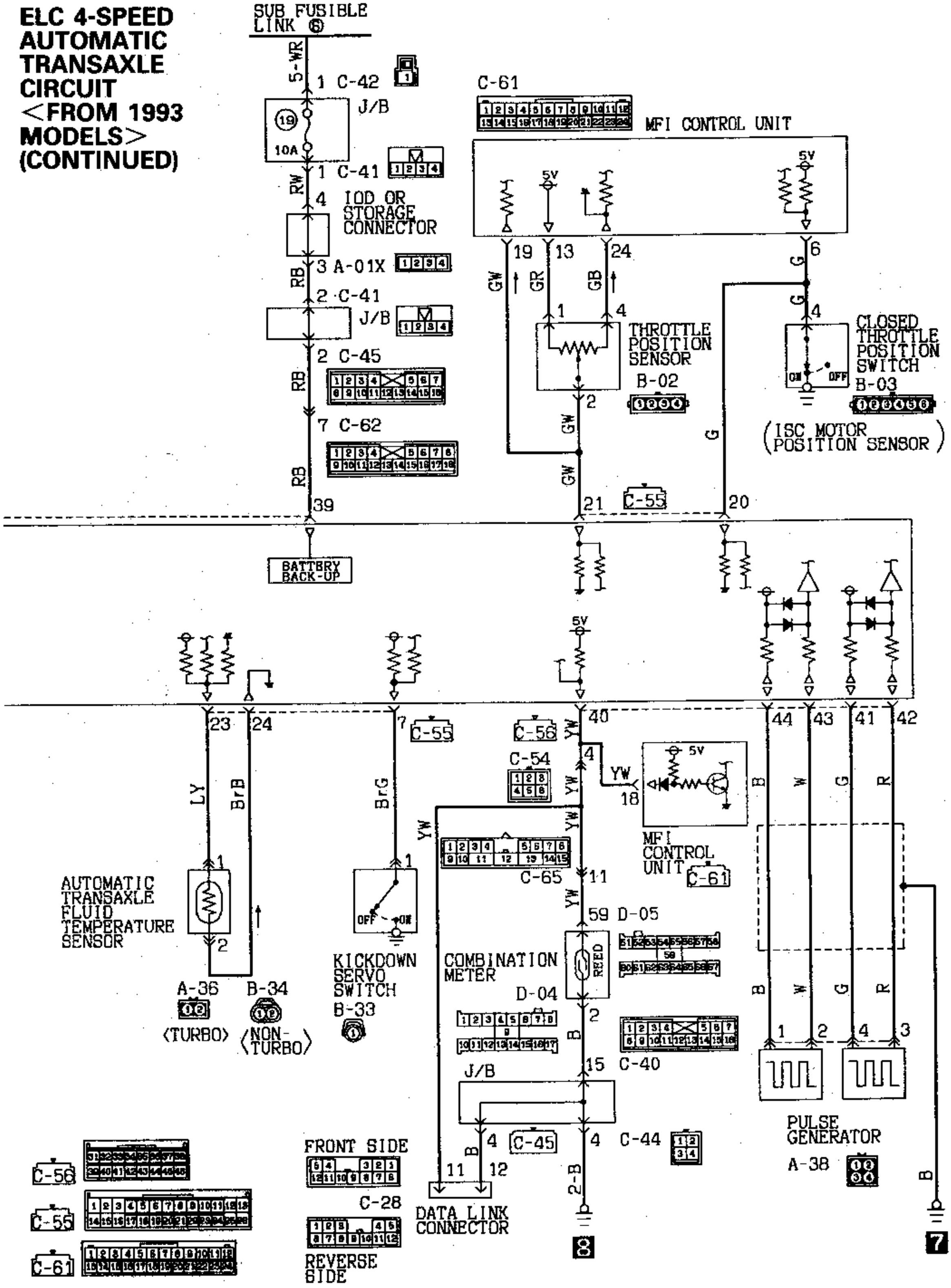


Remark
·*Mark indicates the optional wiring harness for auto-cruise control system.

KX35-AC-U070GA-NM

TSB Revision

ELC 4-SPEED AUTOMATIC TRANSAXLE CIRCUIT <FROM 1993 MODELS> (CONTINUED)



TSB Revision

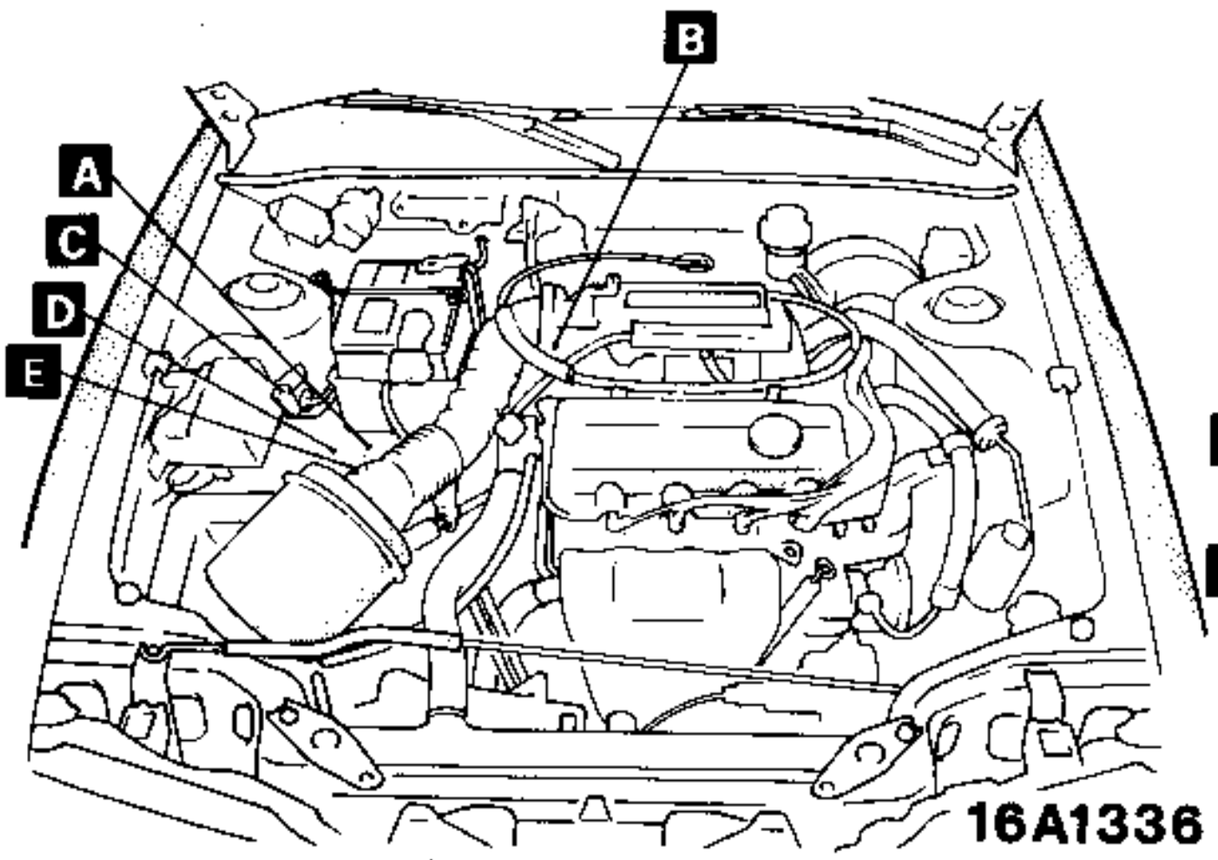
COMPONENT LOCATION

Name	Symbol	Name	Symbol
Auto-cruise control unit	F	Pulse generator A	A
Data link connector	H	Pulse generator B	A
Dual pressure switch	C	Solenoid valves	D
Engine control module	K	Throttle position sensor	B
Oil temperature sensor	E	Vehicle-speed sensor	G
Power (PWR)/Economy (ECO) select switch	I	4-speed automatic transaxle control module	J

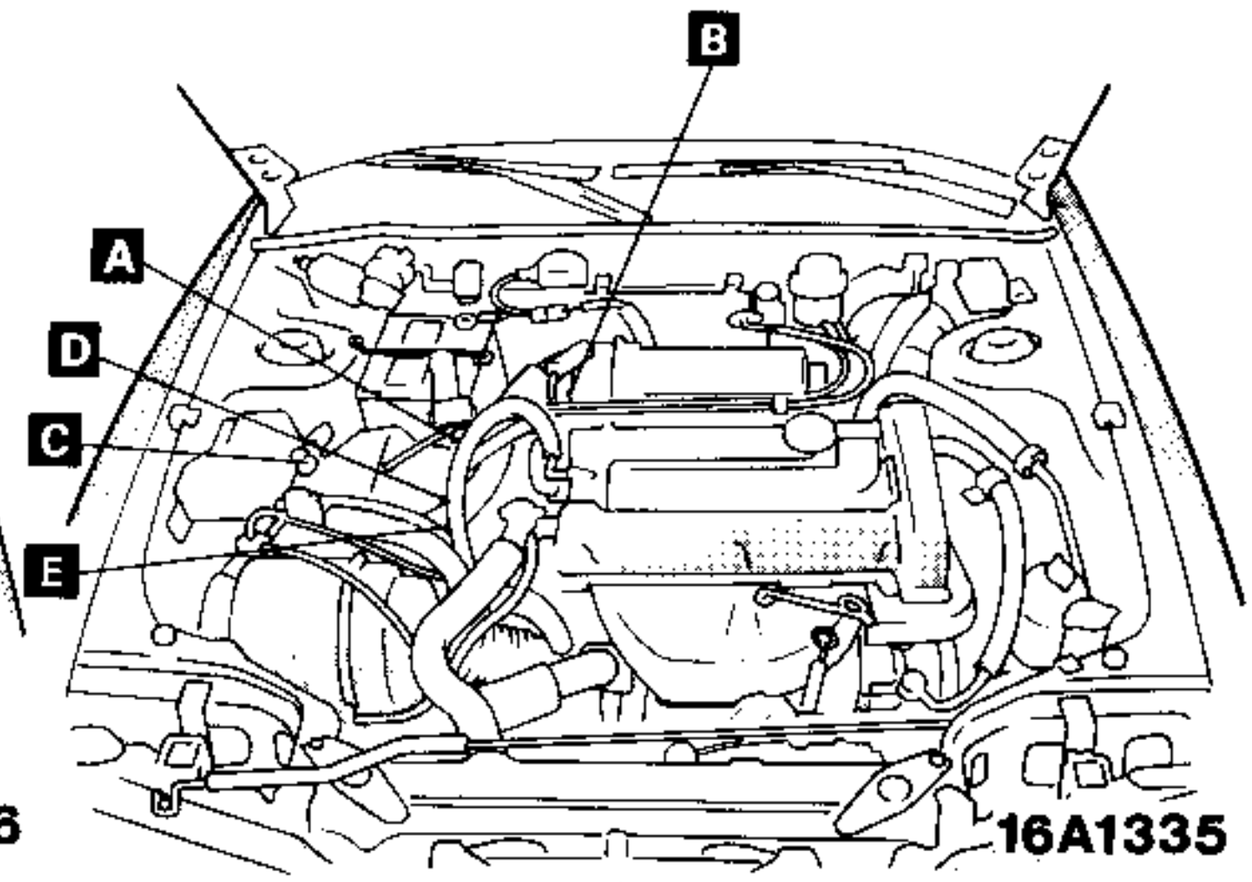
NOTE
1. The "Name" column is arranged in alphabetical order.
2. Refer to GROUP 13A–On vehicle inspection of MFI components for installation position of B throttle position sensor.

Engine compartment

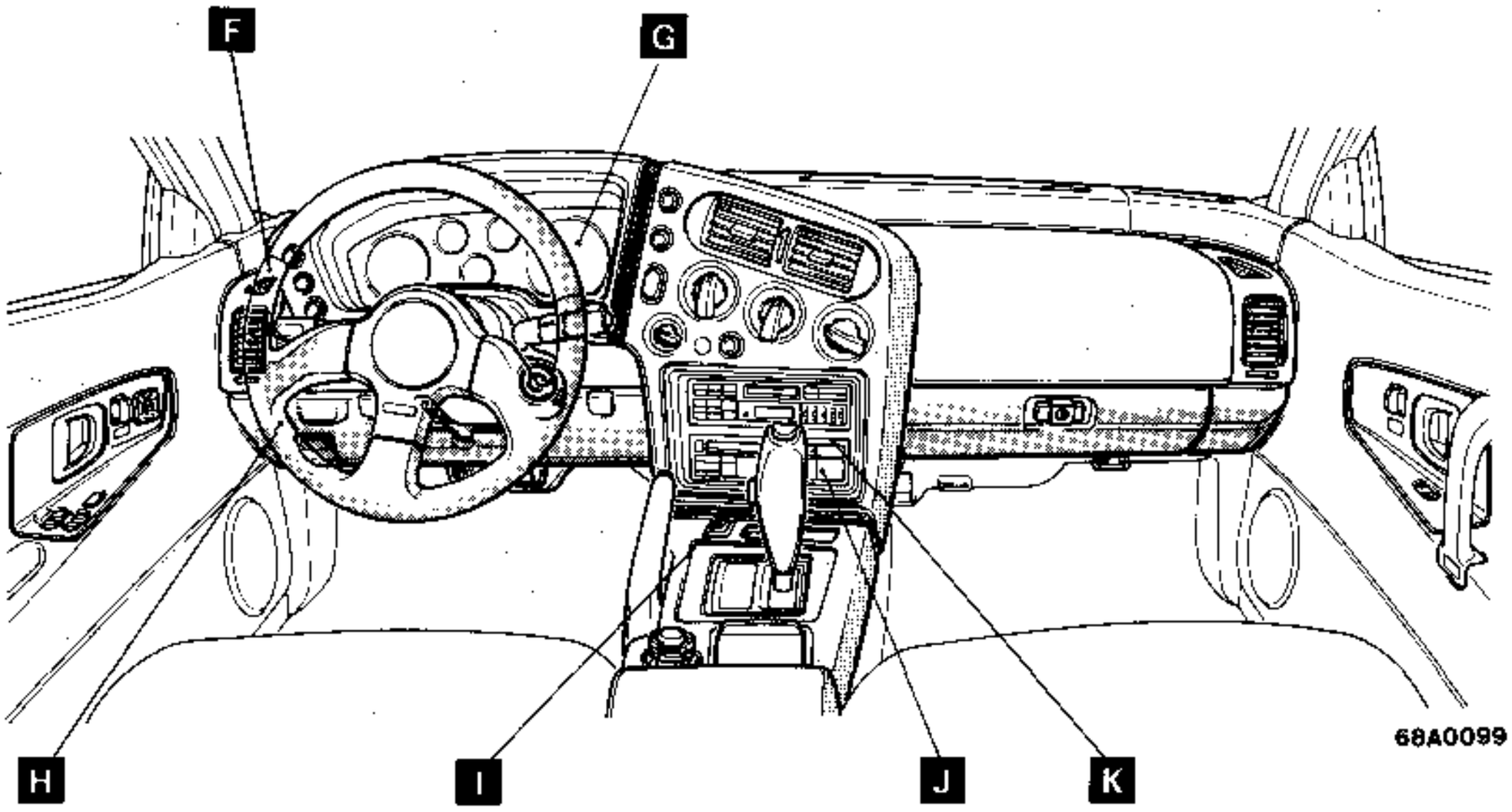
1.8L Engine



2.0L DOHC Engine

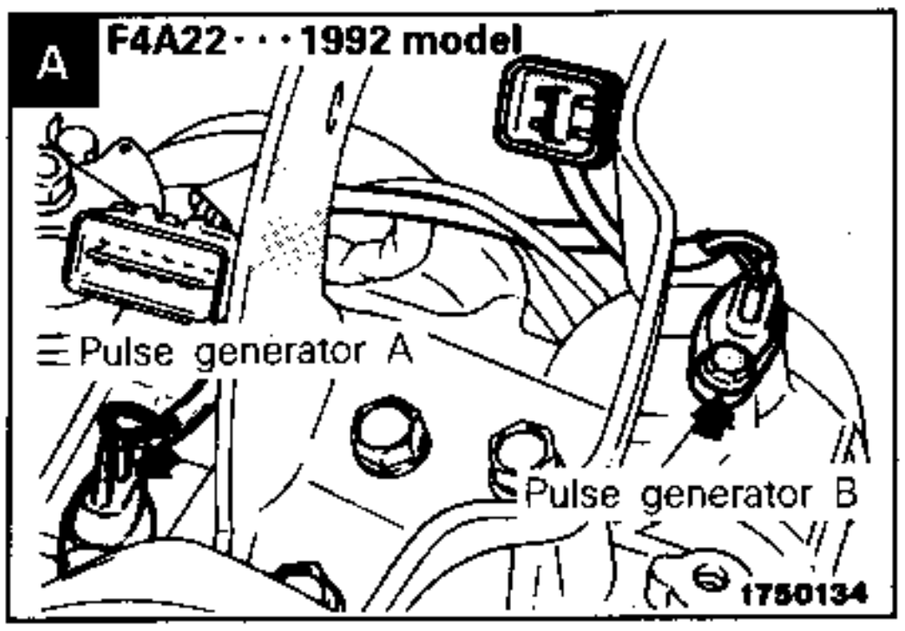


Interior

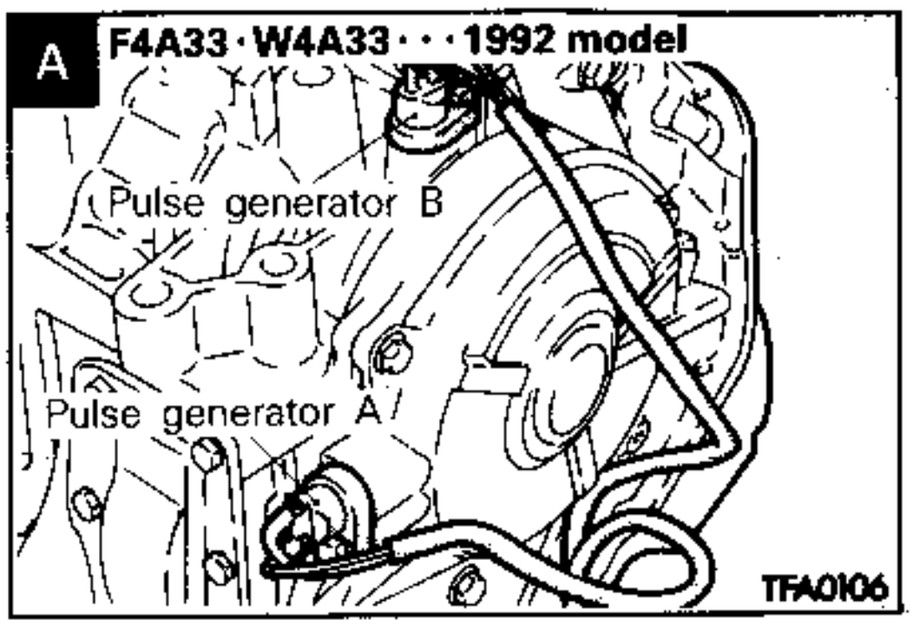


TSB Revision

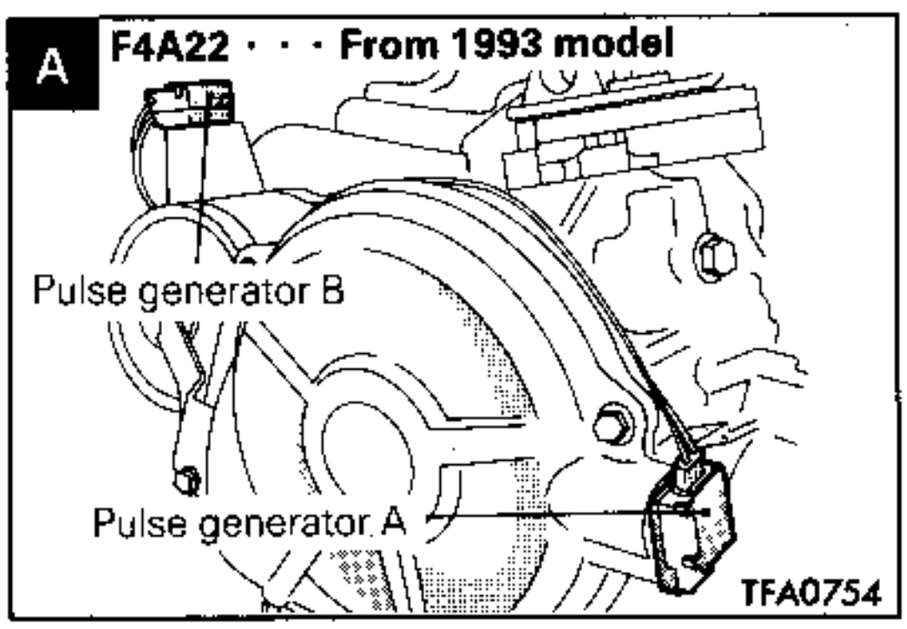
A F4A22 · · · 1992 model



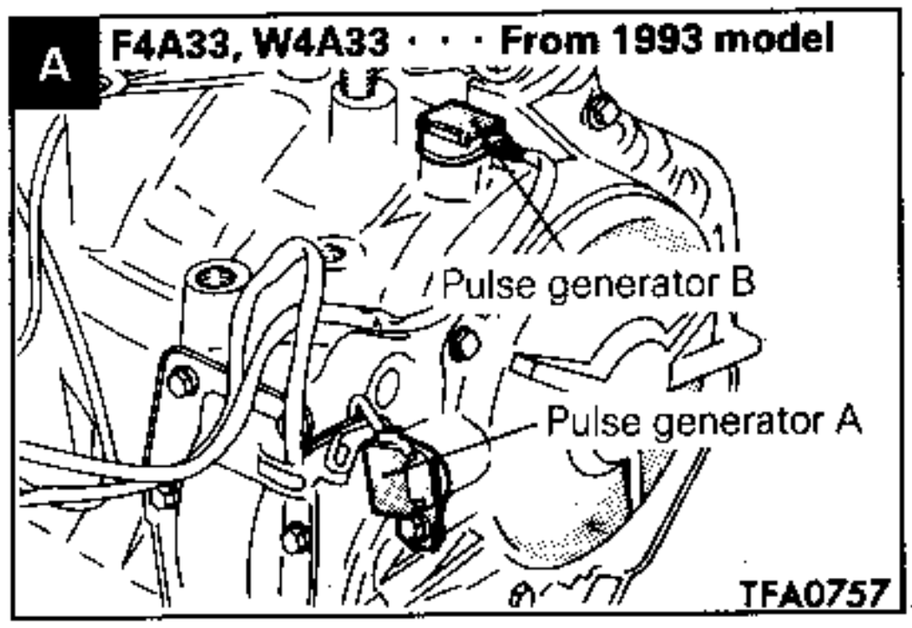
A F4A33 · W4A33 · · · 1992 model



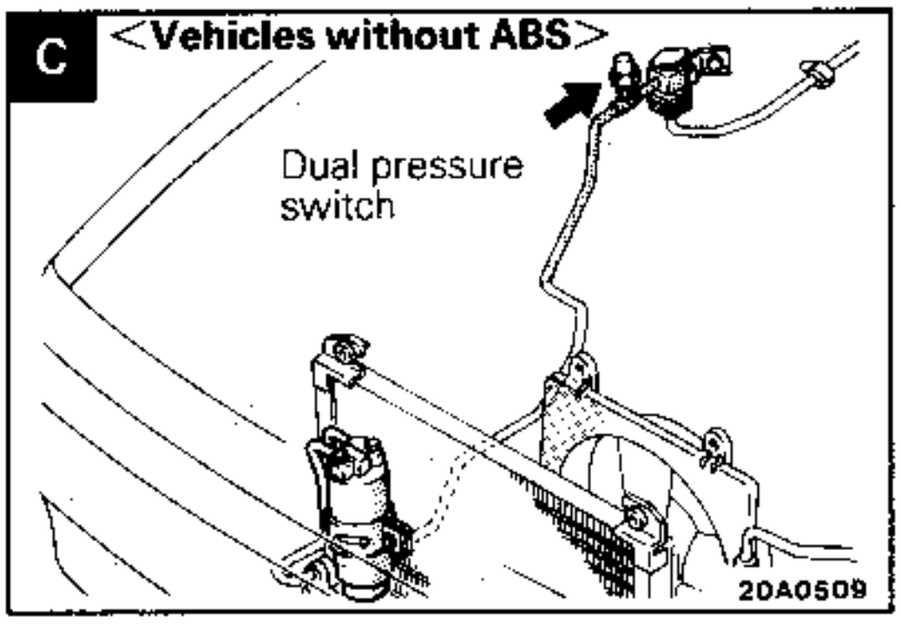
A F4A22 · · · From 1993 model



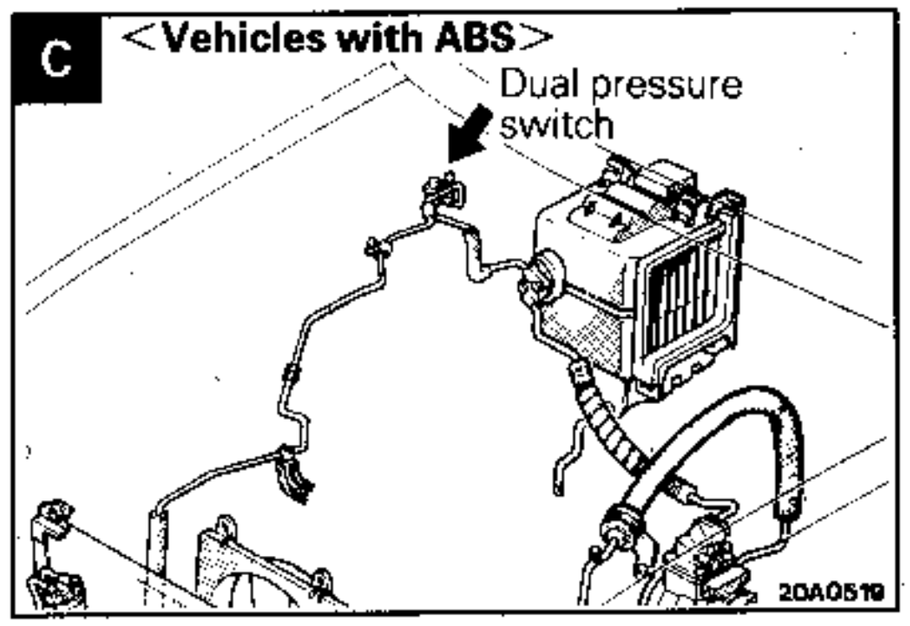
A F4A33, W4A33 · · · From 1993 model



C <Vehicles without ABS>



C <Vehicles with ABS>



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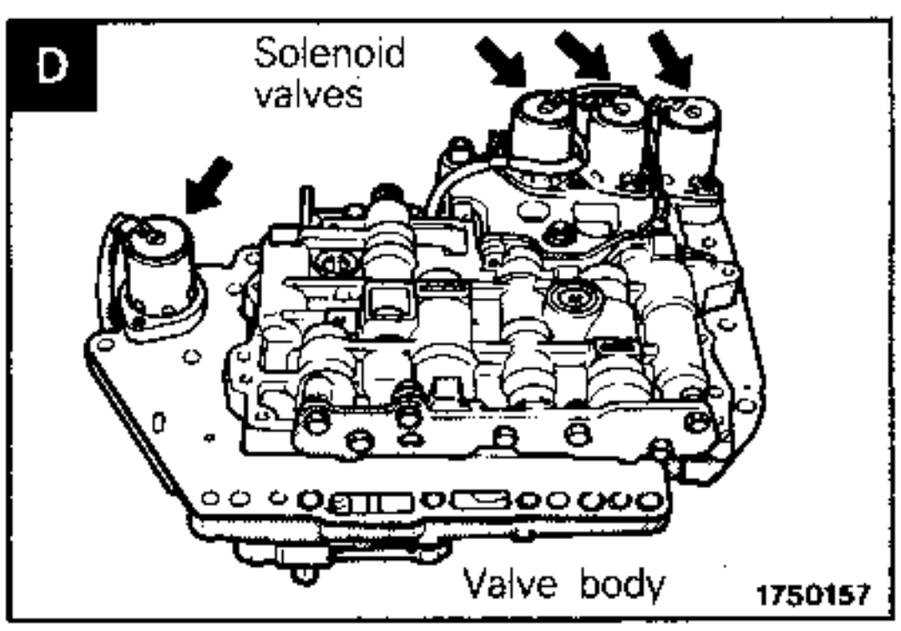
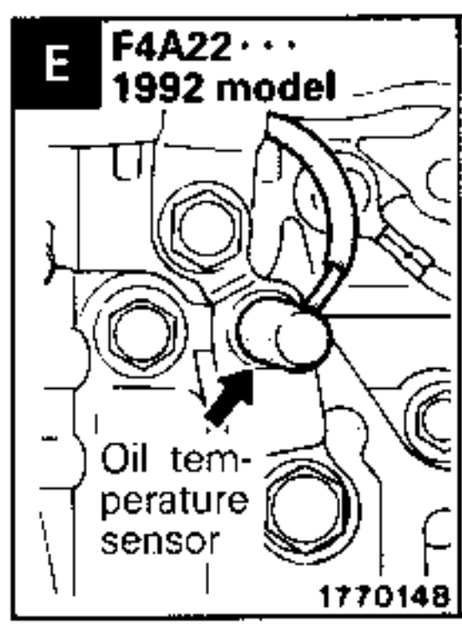
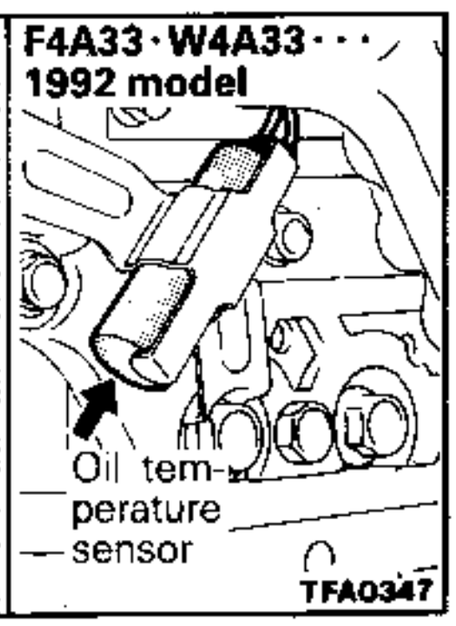


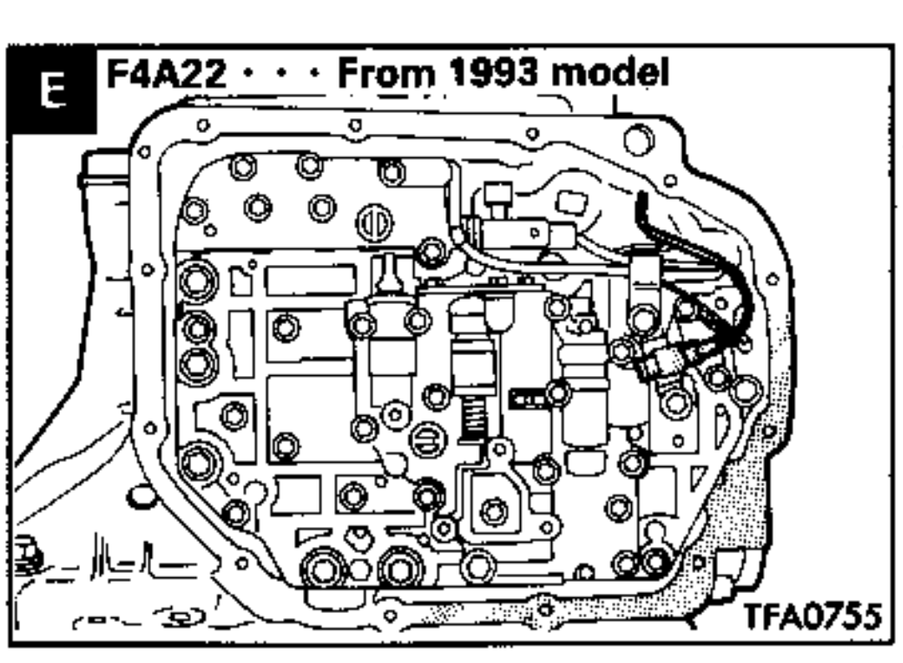
E F4A22 · · · 1992 model



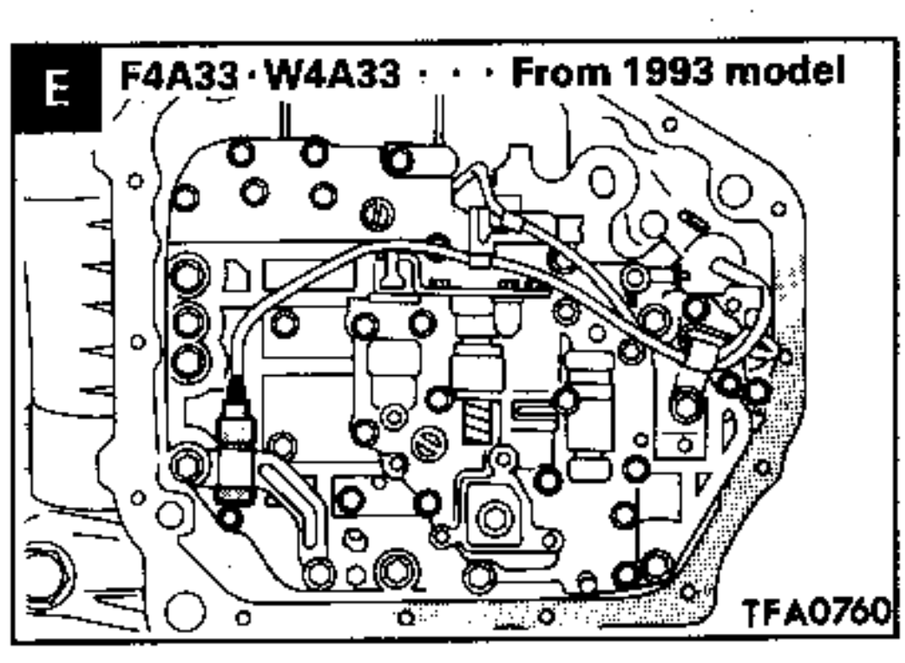
F4A33 · W4A33 · · · 1992 model



E F4A22 · · · From 1993 model

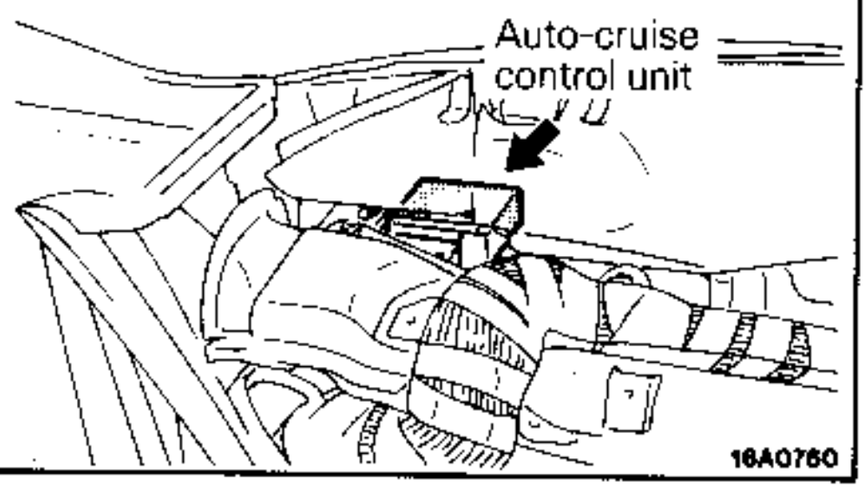


E F4A33 · W4A33 · · · From 1993 model



TSB Revision

F



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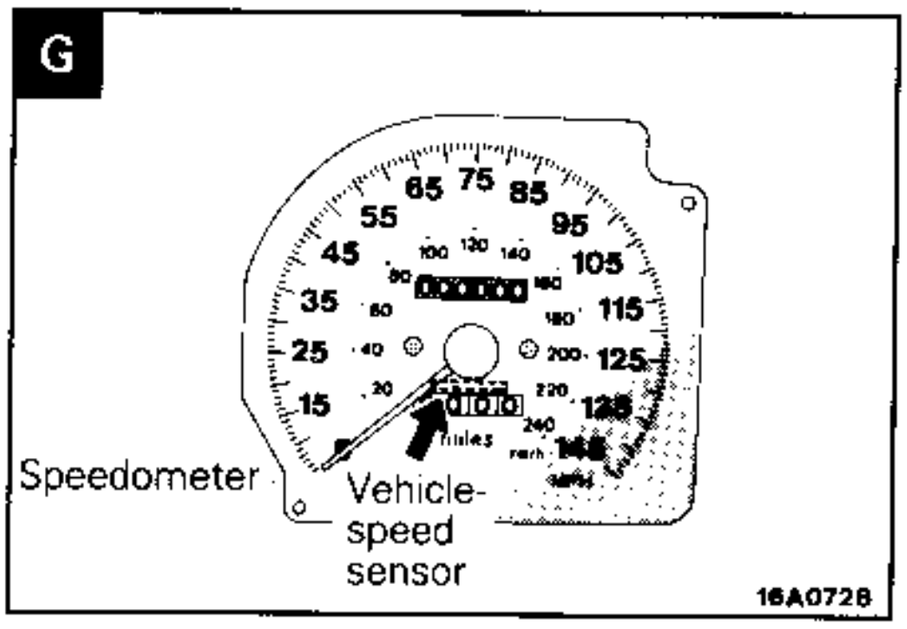

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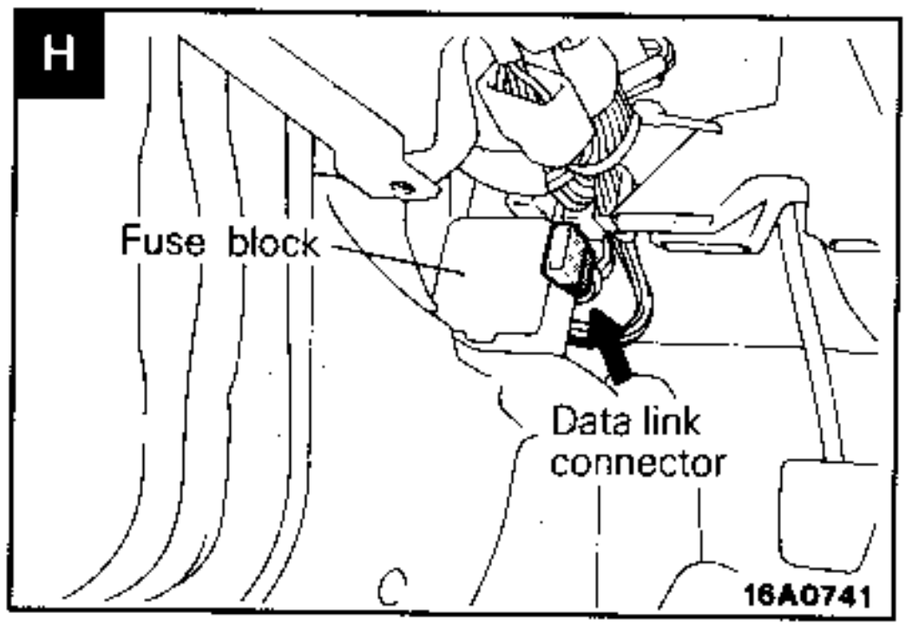

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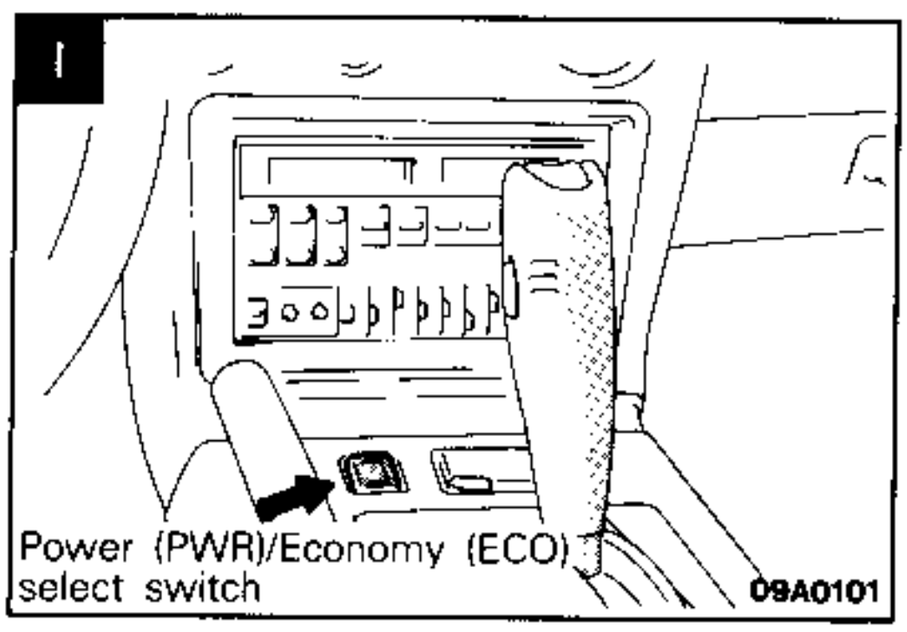

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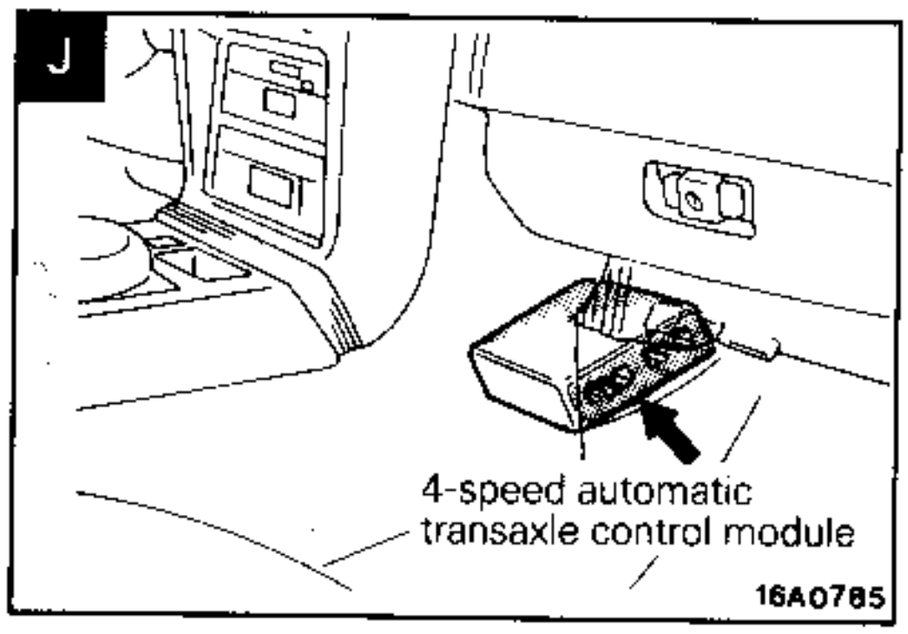

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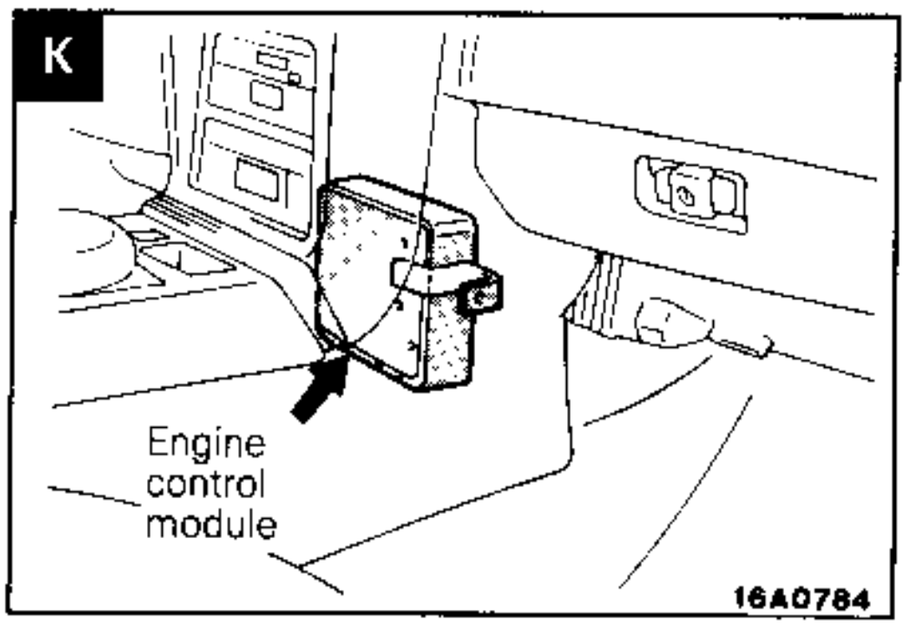


TSB Revision

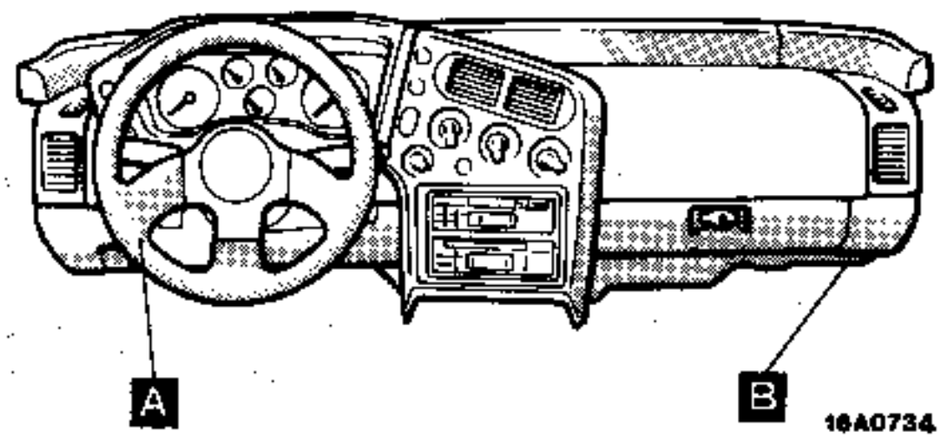
CENTRAL DOOR LOCKING CIRCUIT

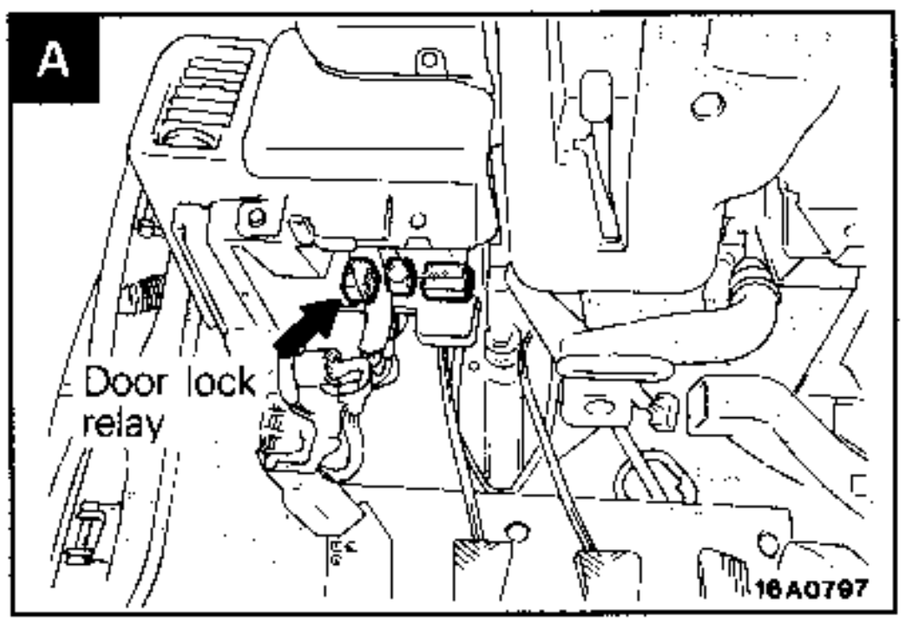
TSB Revision

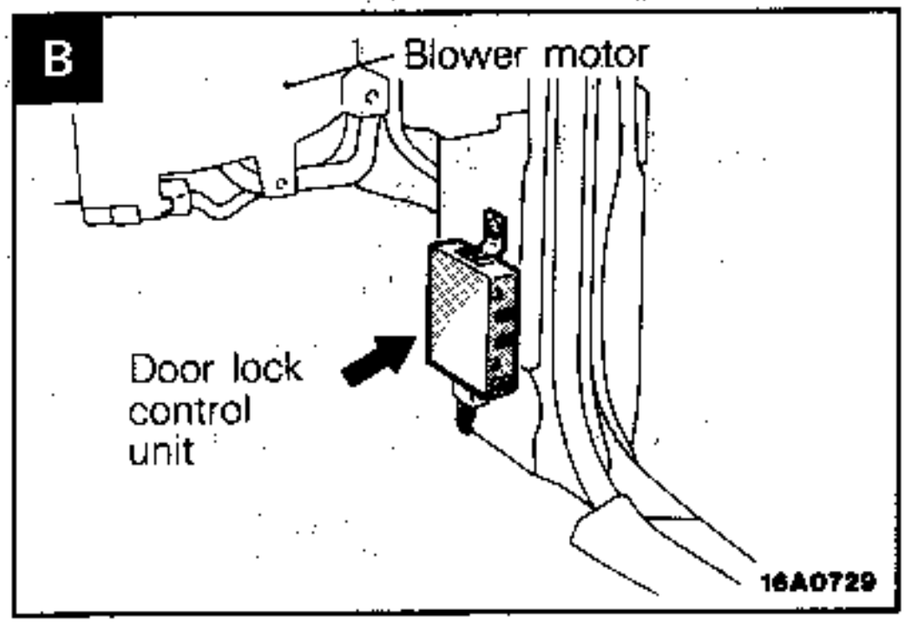
COMPONENT LOCATION

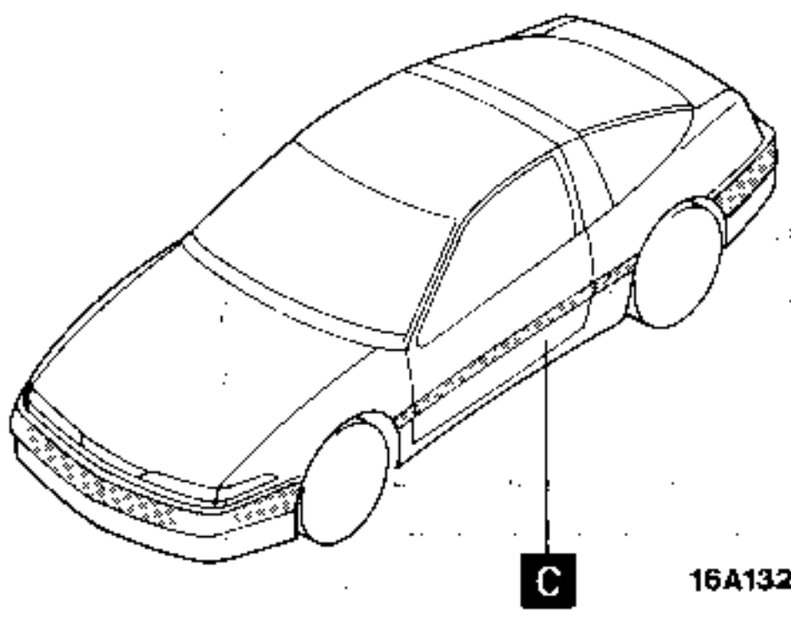
Name	Symbol
Door lock actuator	C
Door lock control unit	B
Door lock relay	A

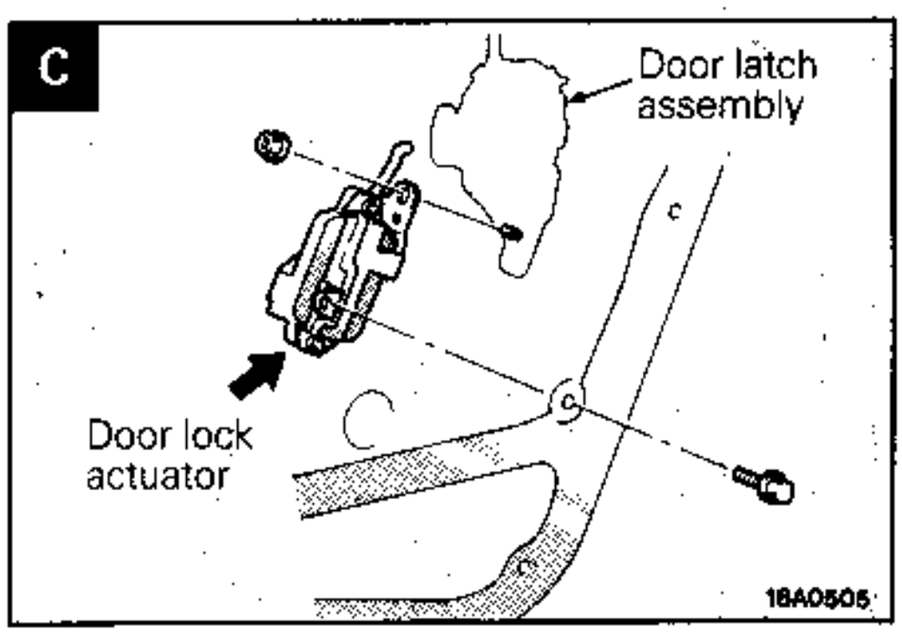
NOTE
The "Name" column is arranged in alphabetical order.





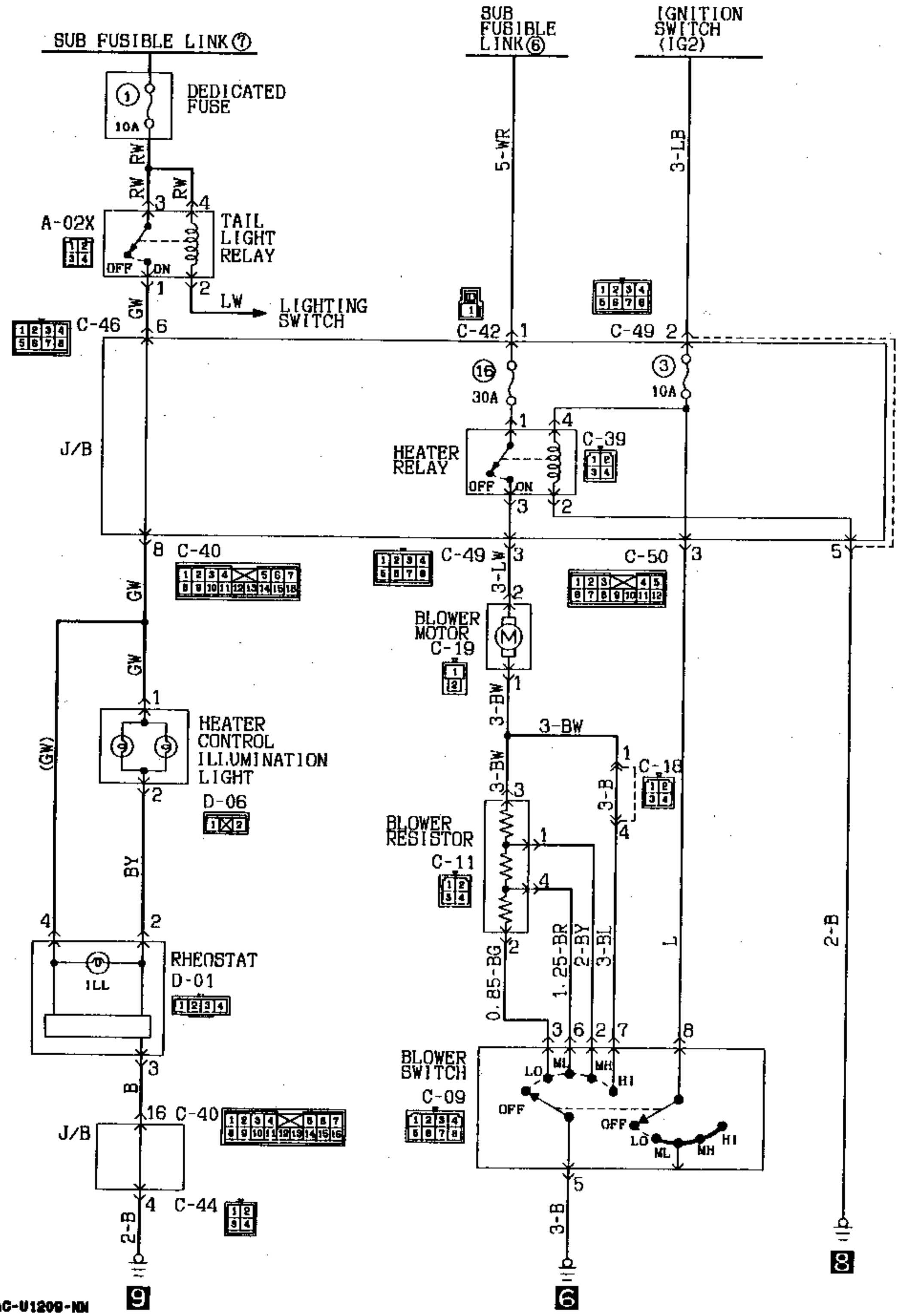






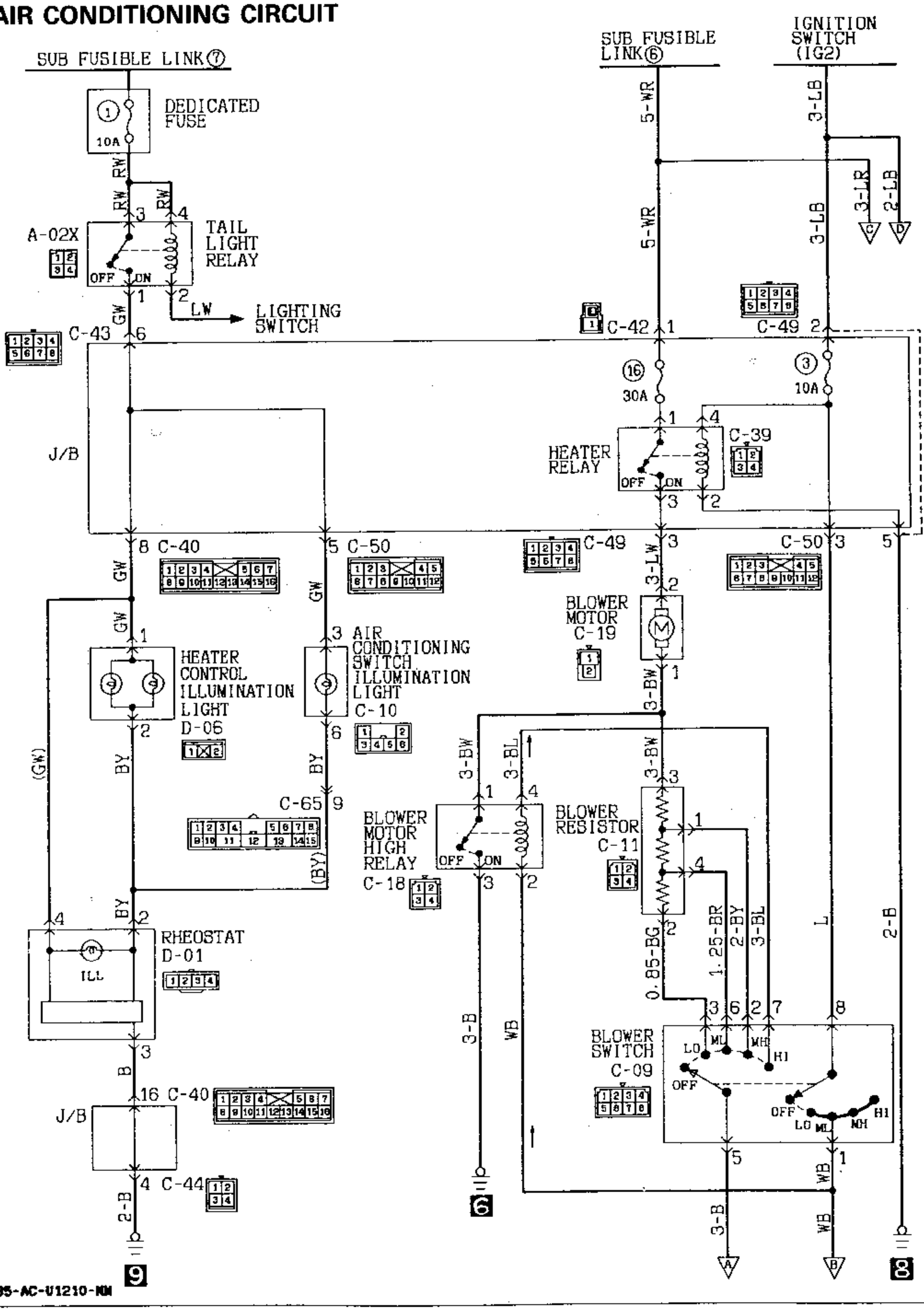
TSB Revision

HEATER CIRCUIT

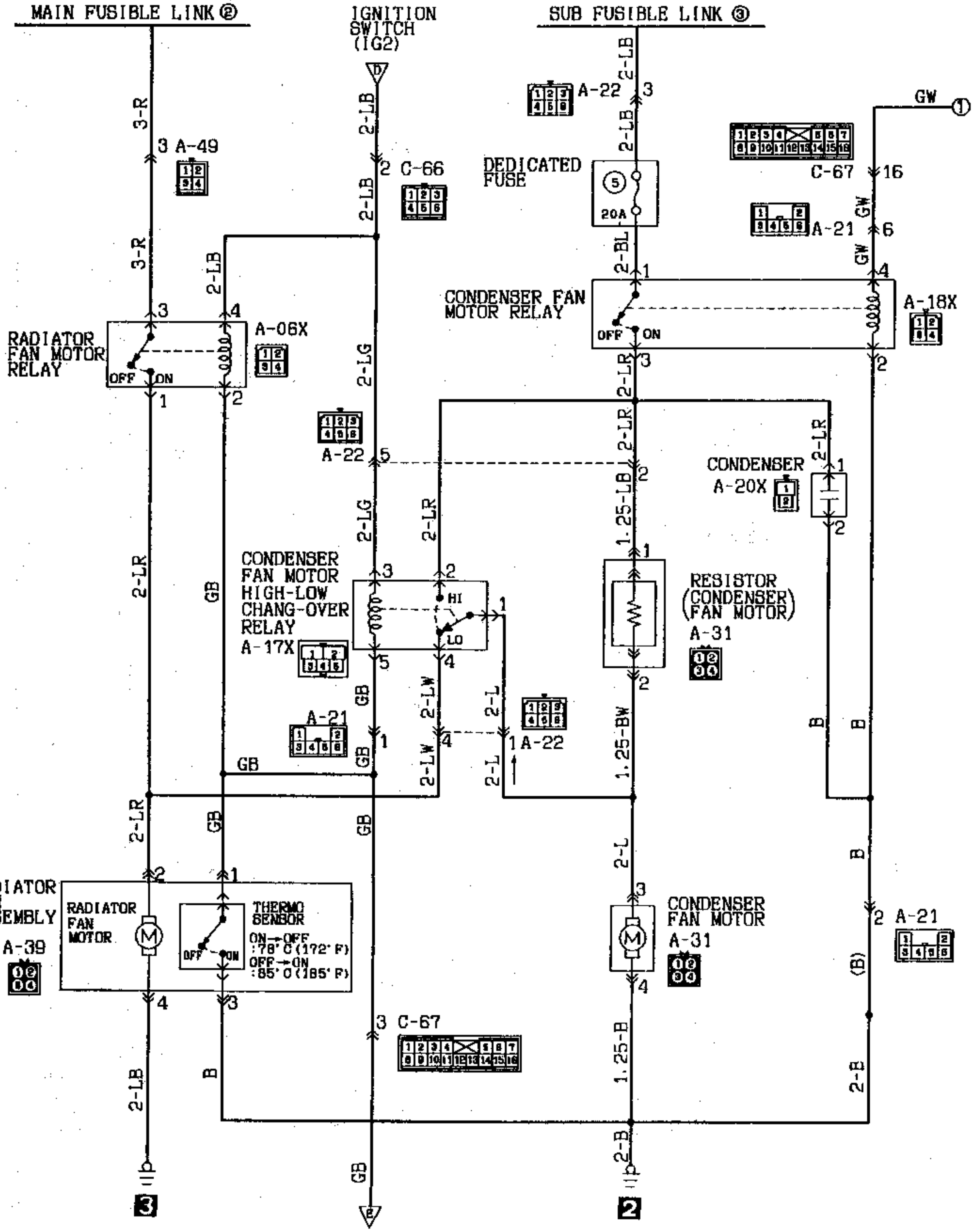


TSB Revision

AIR CONDITIONING CIRCUIT



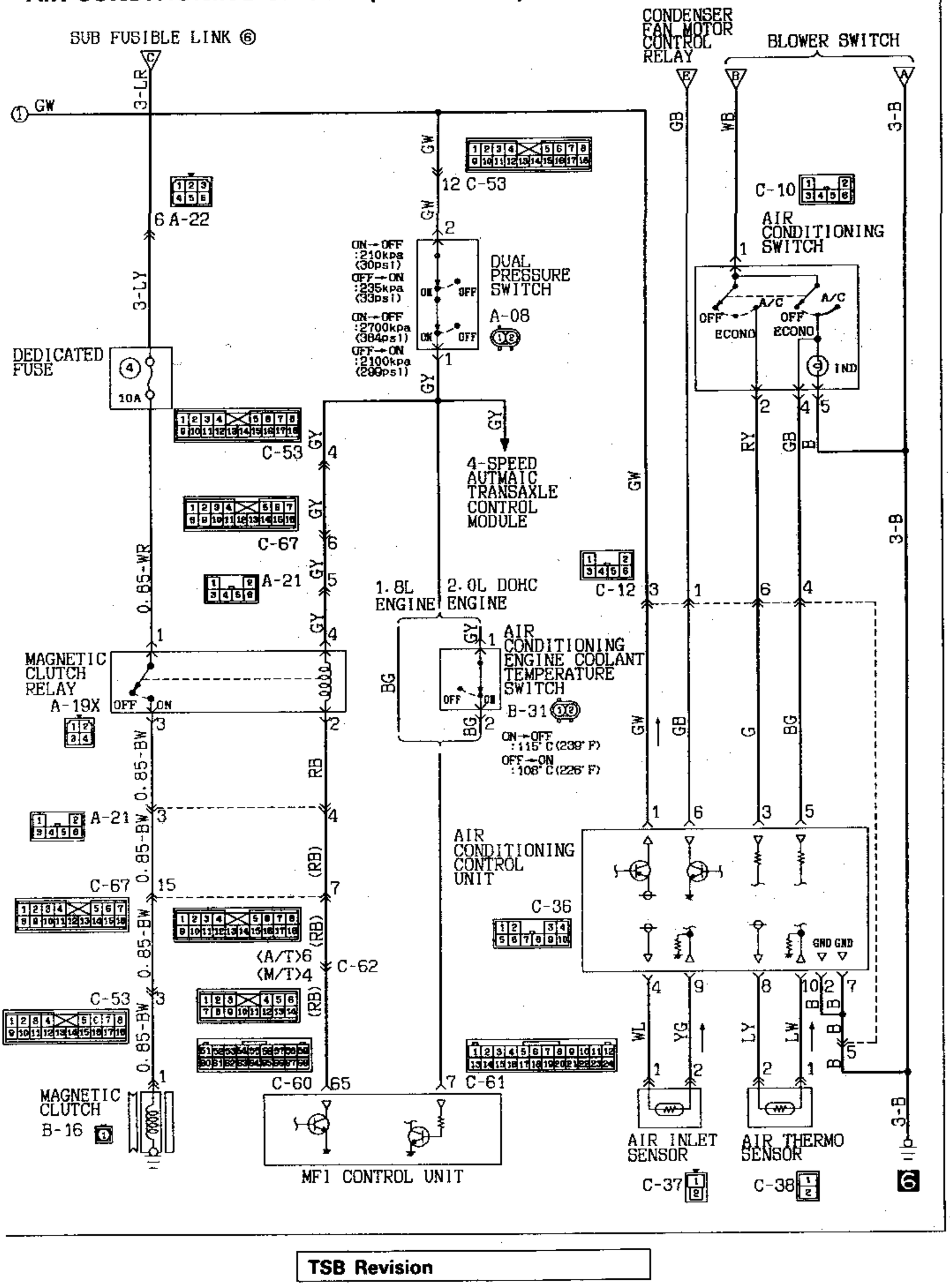
TSB Revision



KX35-AC-U1210A-MM

TSB Revision

AIR CONDITIONING CIRCUIT (CONTINUED)

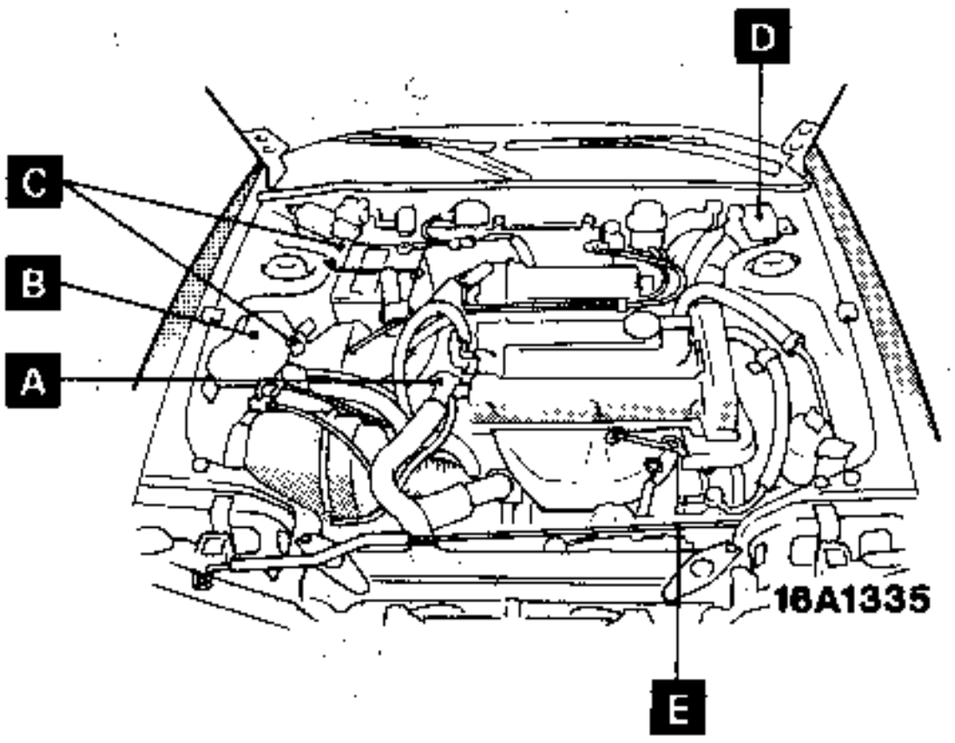


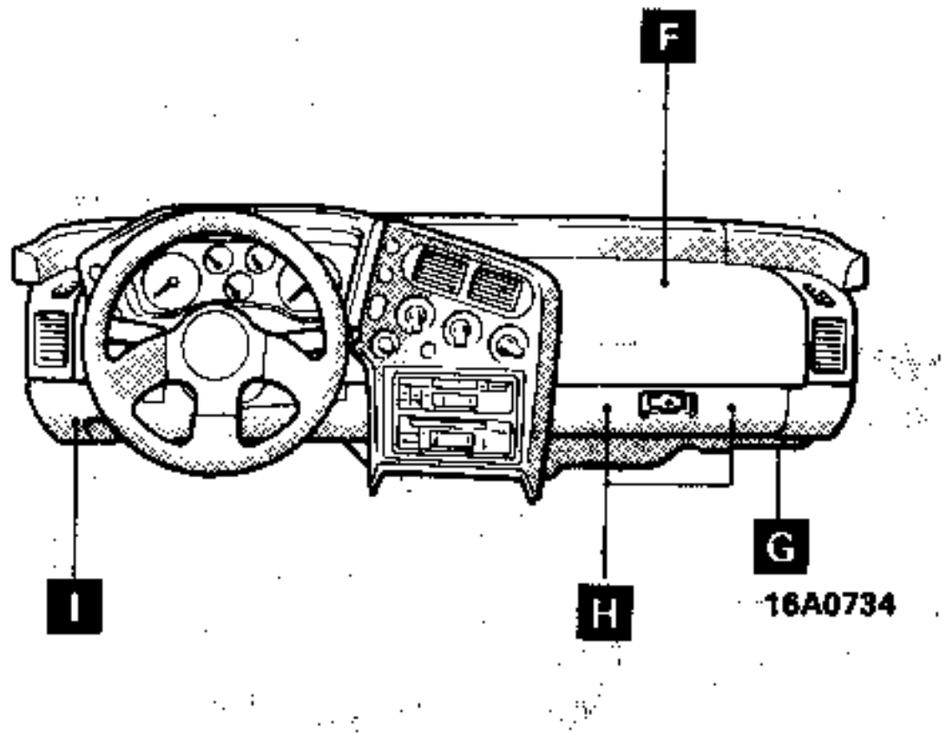
TSB Revision

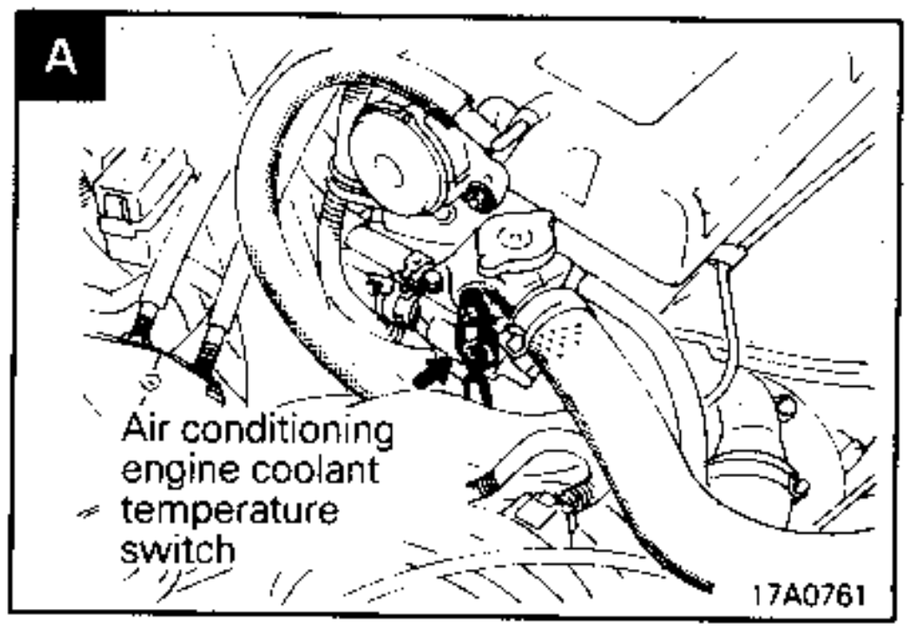
COMPONENT LOCATION

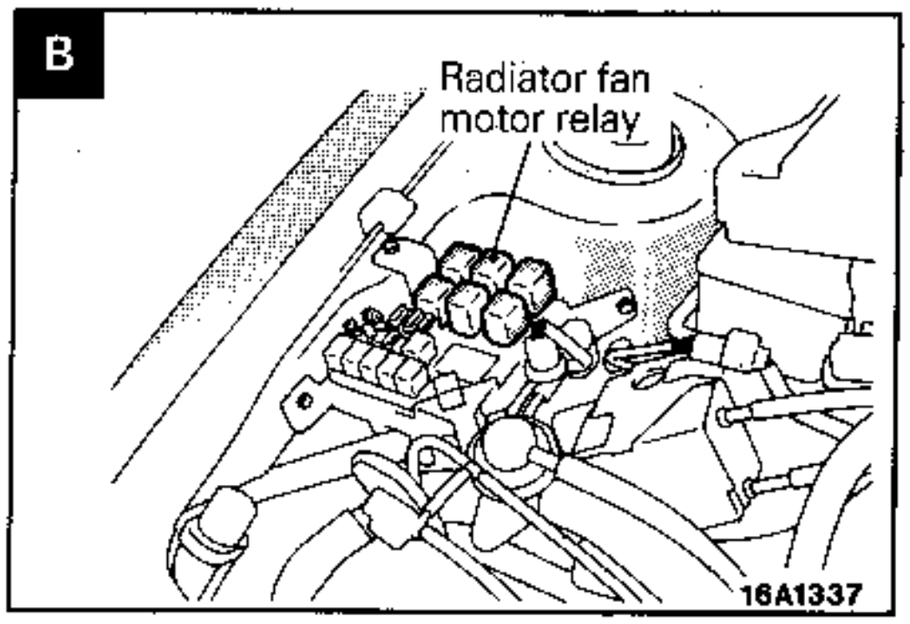
Name	Symbol	Name	Symbol
Air conditioning control unit	F	Condenser fan motor relay	D
Air conditioning engine coolant temperature switch <2.0L DOHC Engine>	A	Dual pressure switch	C
		Heater relay	I
Air inlet sensor	H	Magnet clutch relay	D
Air thermo sensor	H	Radiator fan motor relay	B
Blower motor High relay	G	Resistor	E
Condenser fan motor High-Low selecting relay	D	—	—

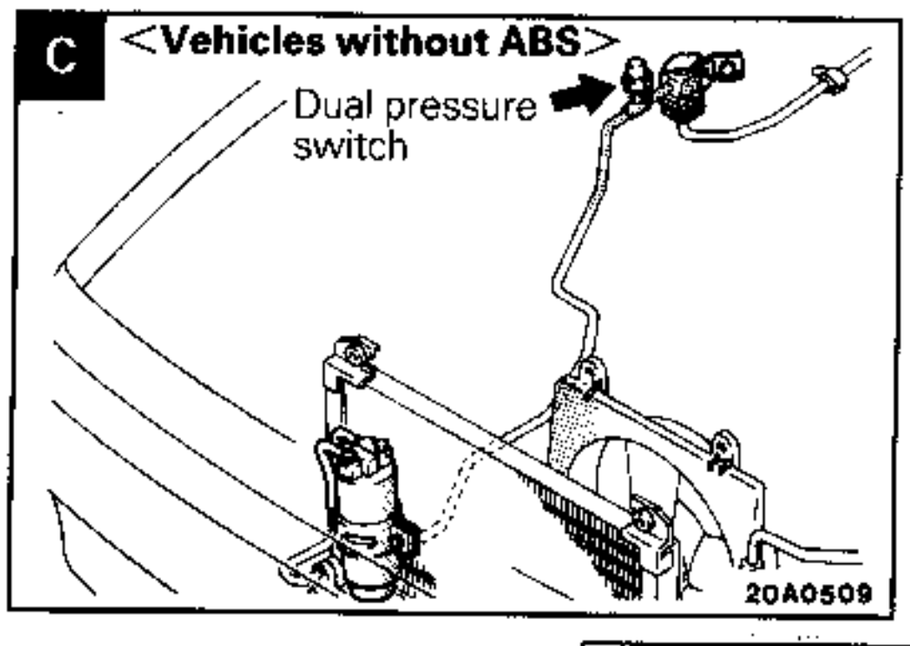
NOTE
The "Name" column is arranged in alphabetical order.

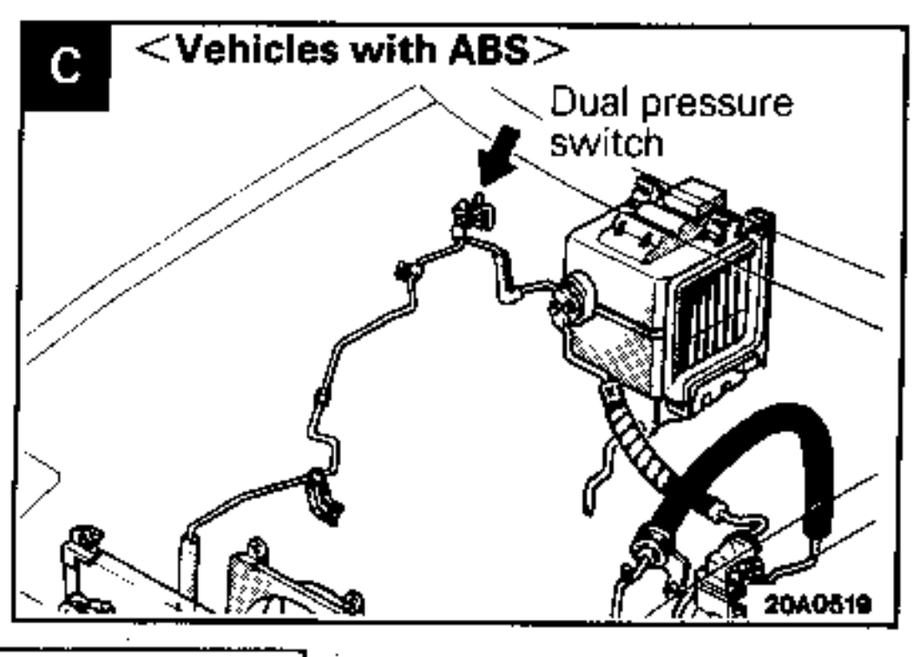






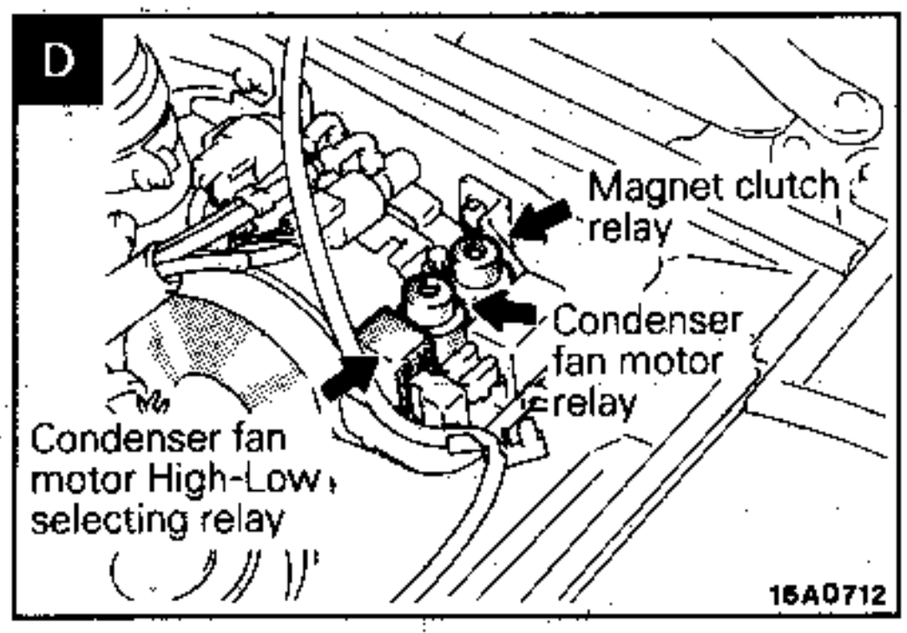






TSB Revision

D



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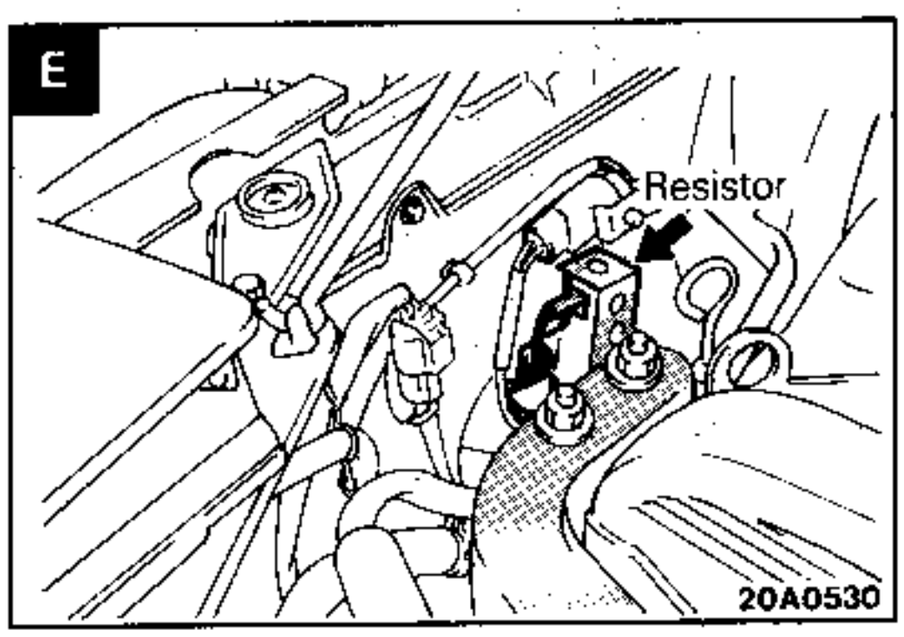

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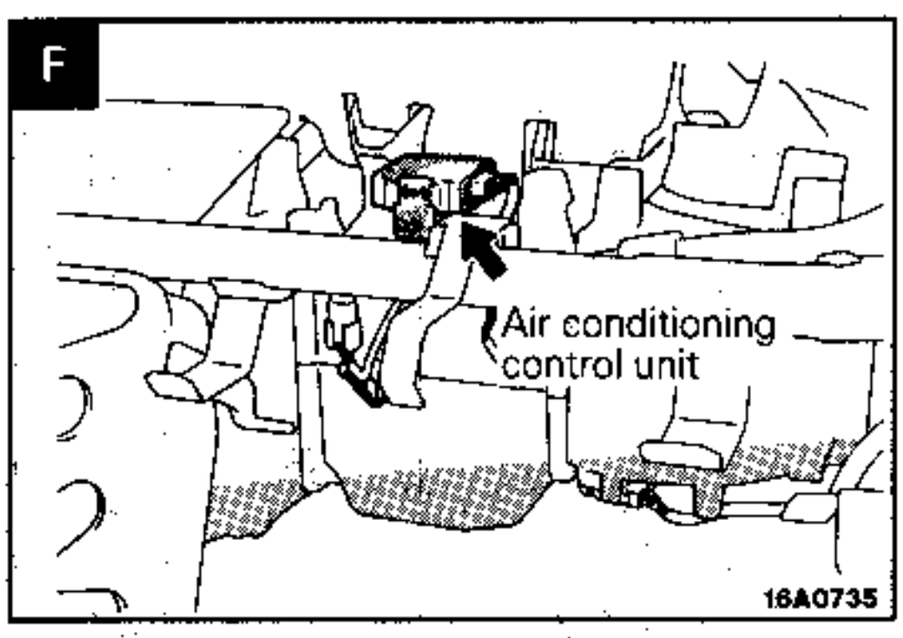

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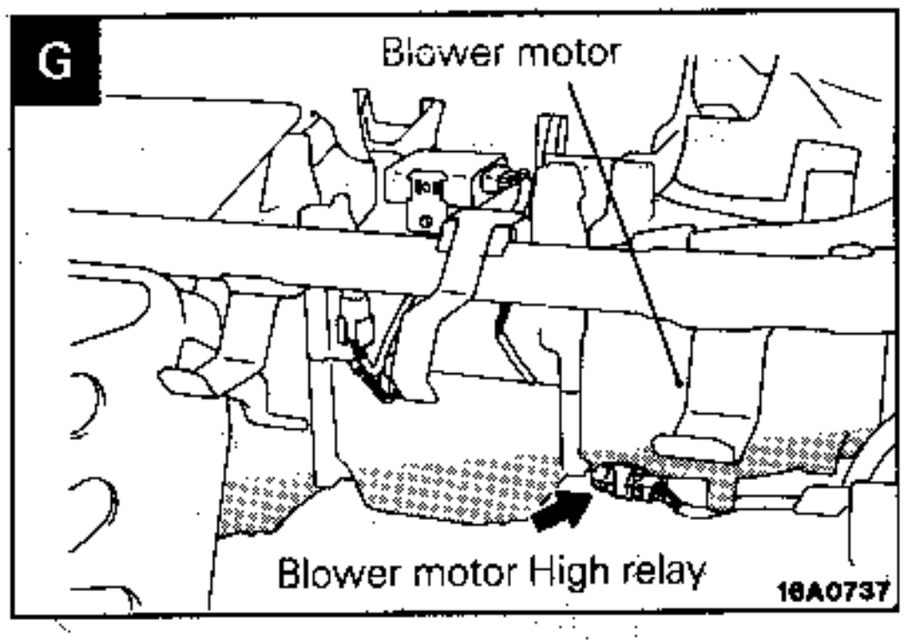

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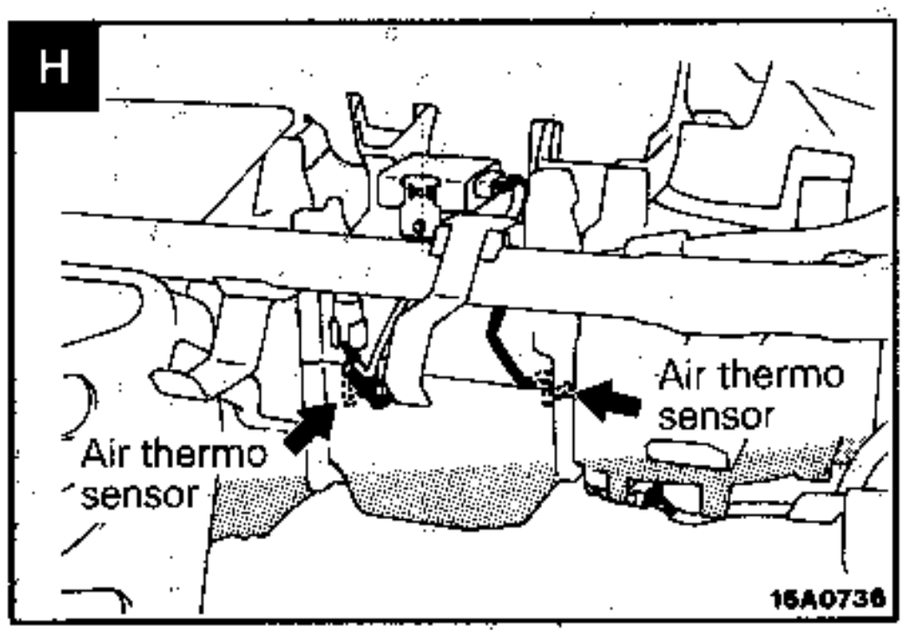

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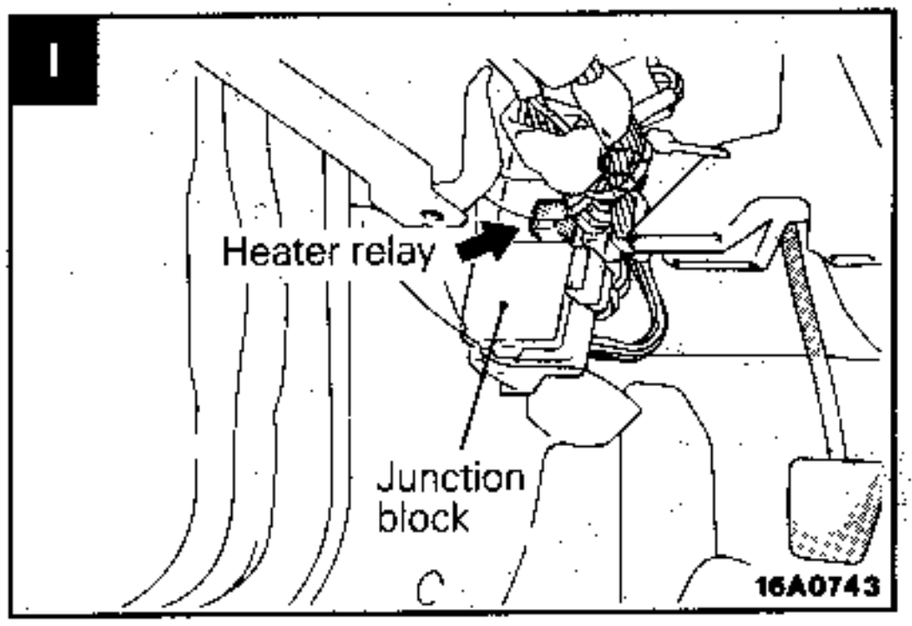
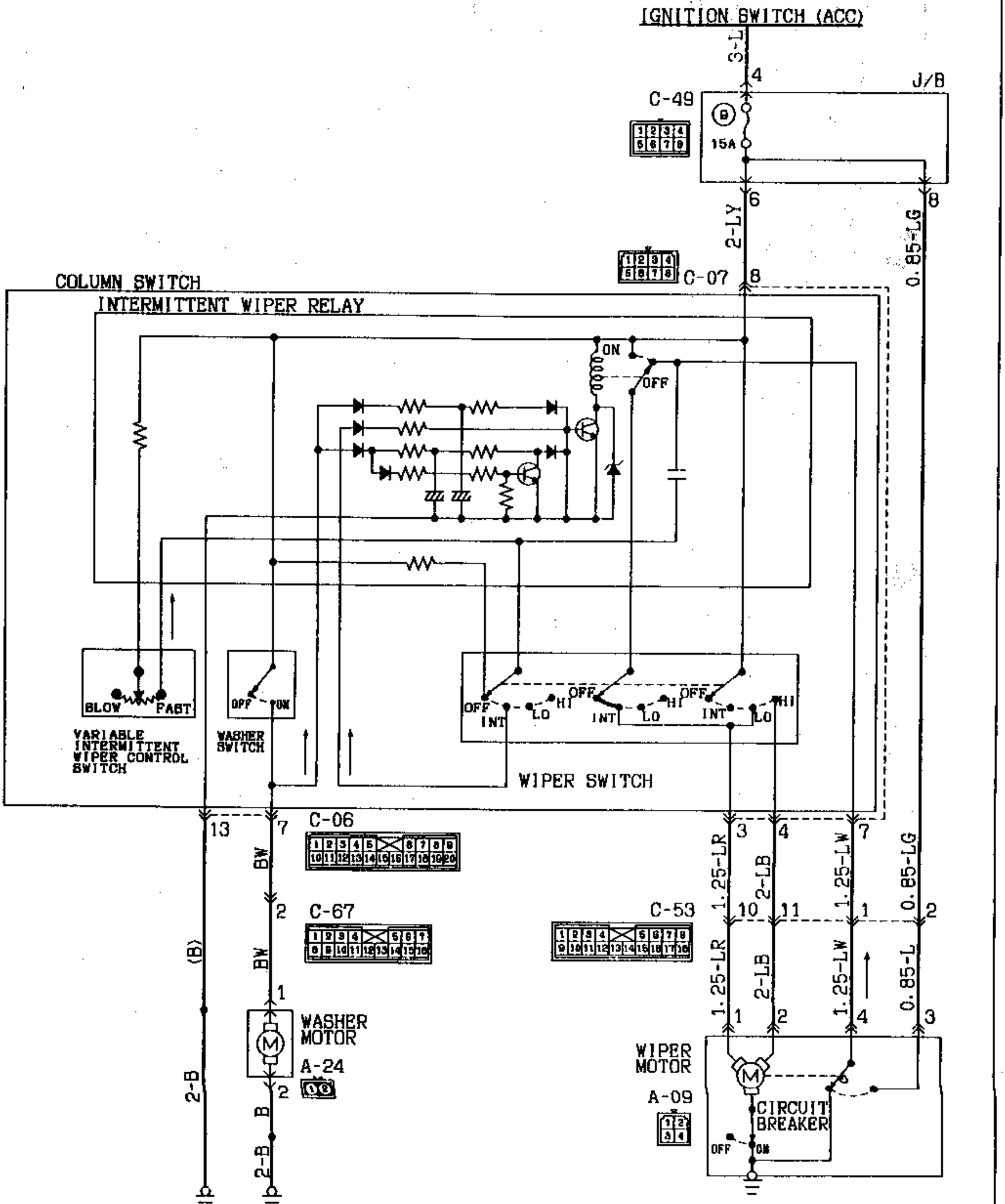


TSB Revision

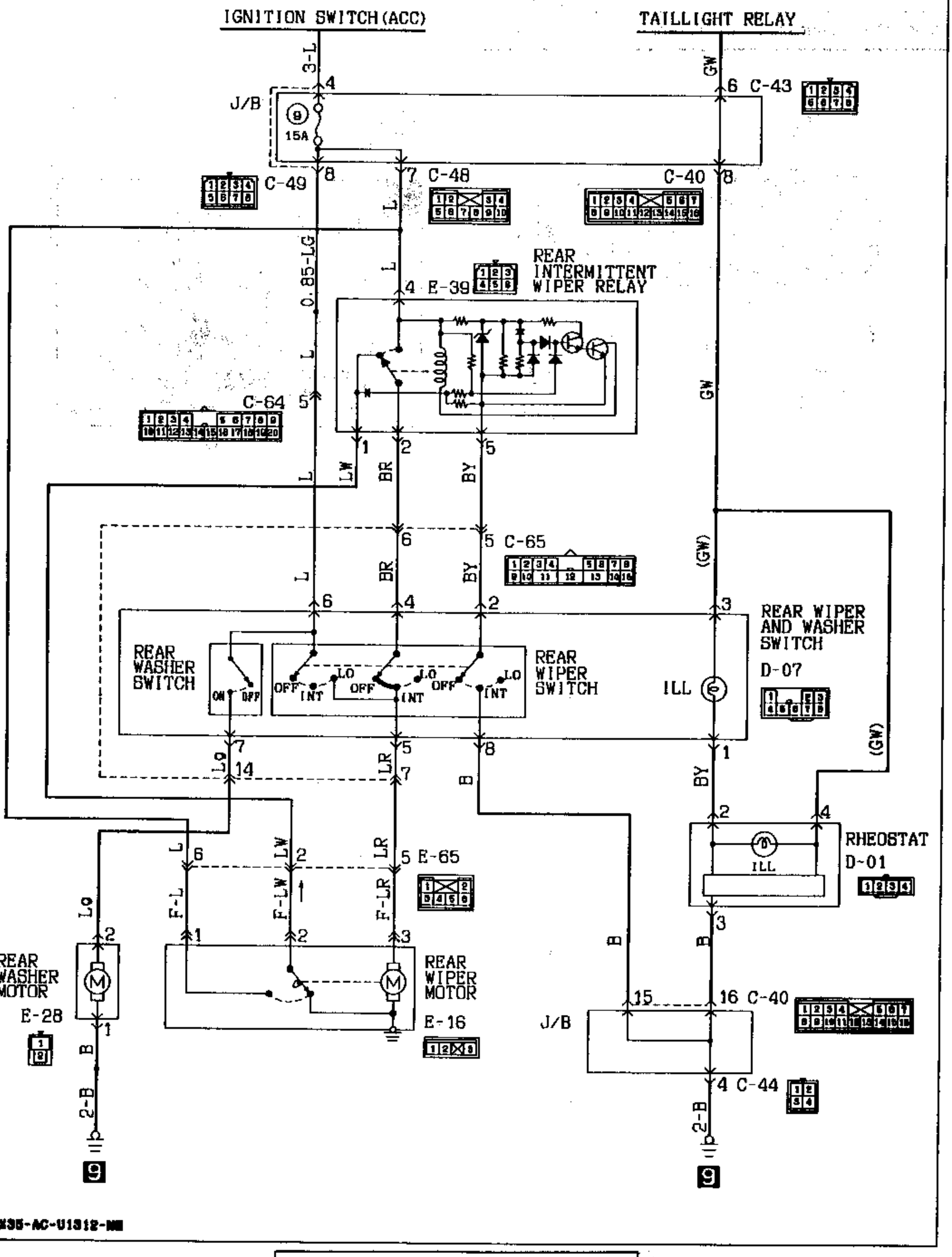
WINDSHIELD WIPER AND WASHER CIRCUIT



KX35-AC-U1814-NM

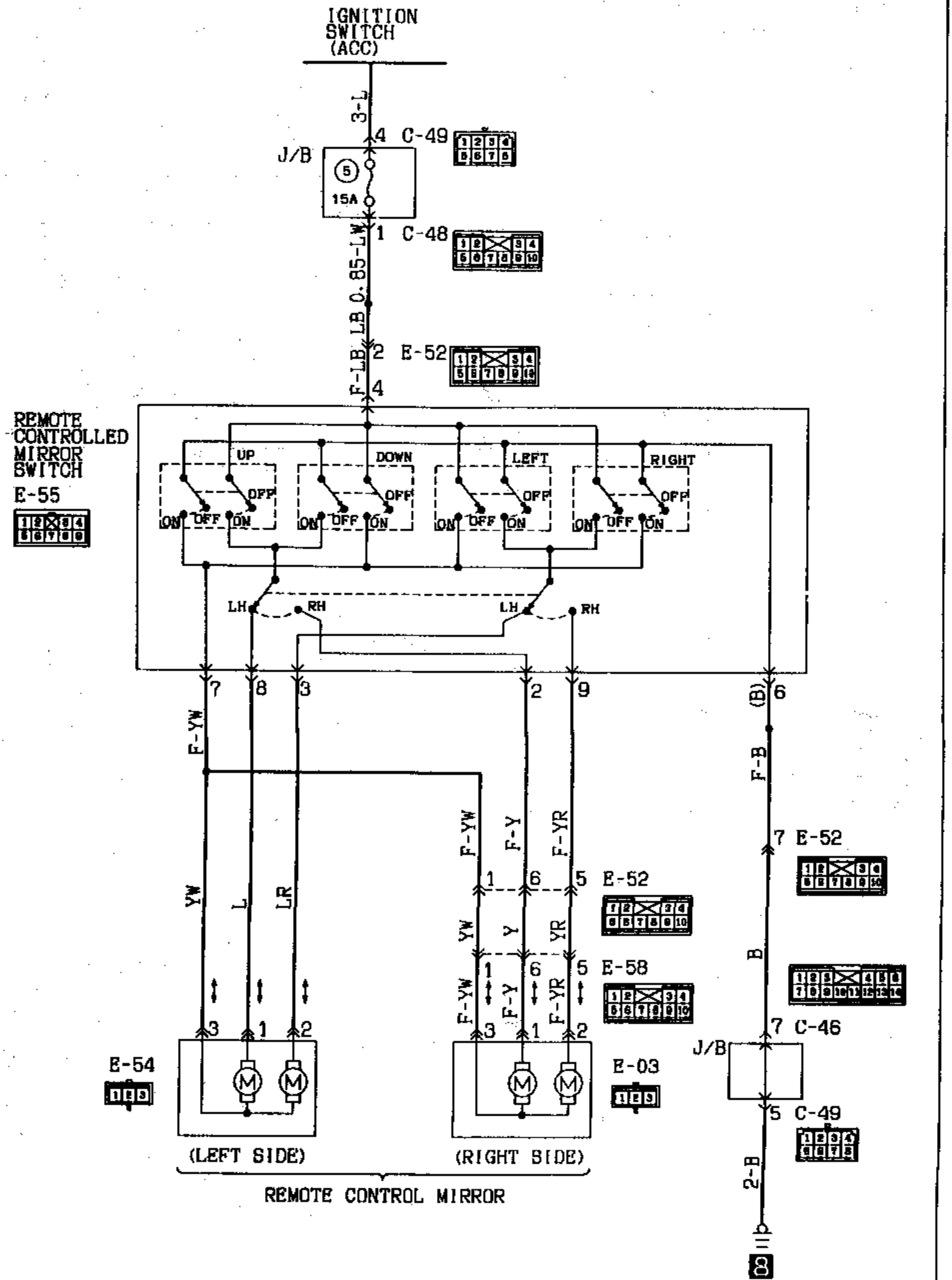
TSB Revision

REAR WIPER AND WASHER CIRCUIT



TSB Revision

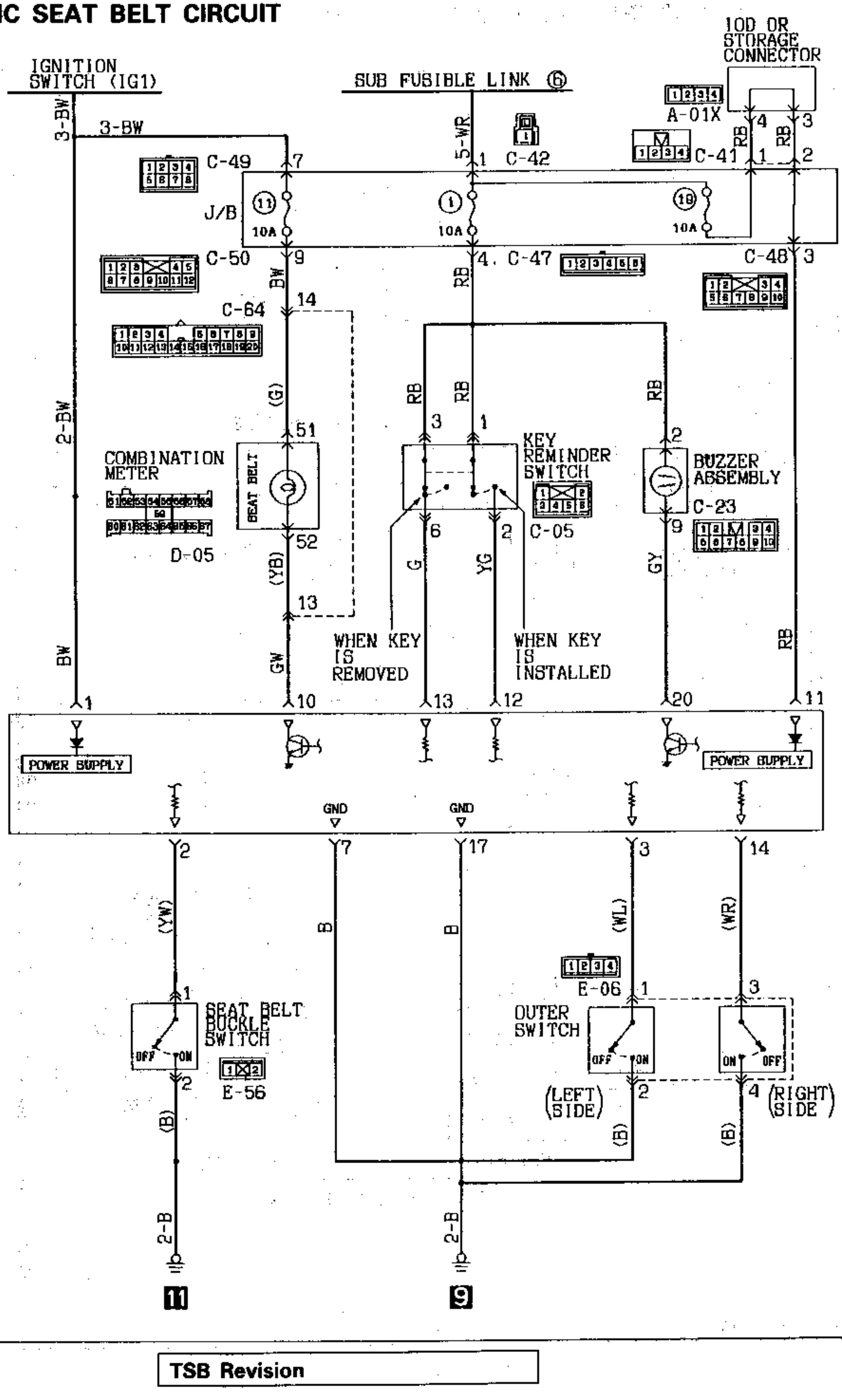
REMOTE CONTROLLED MIRROR CIRCUIT



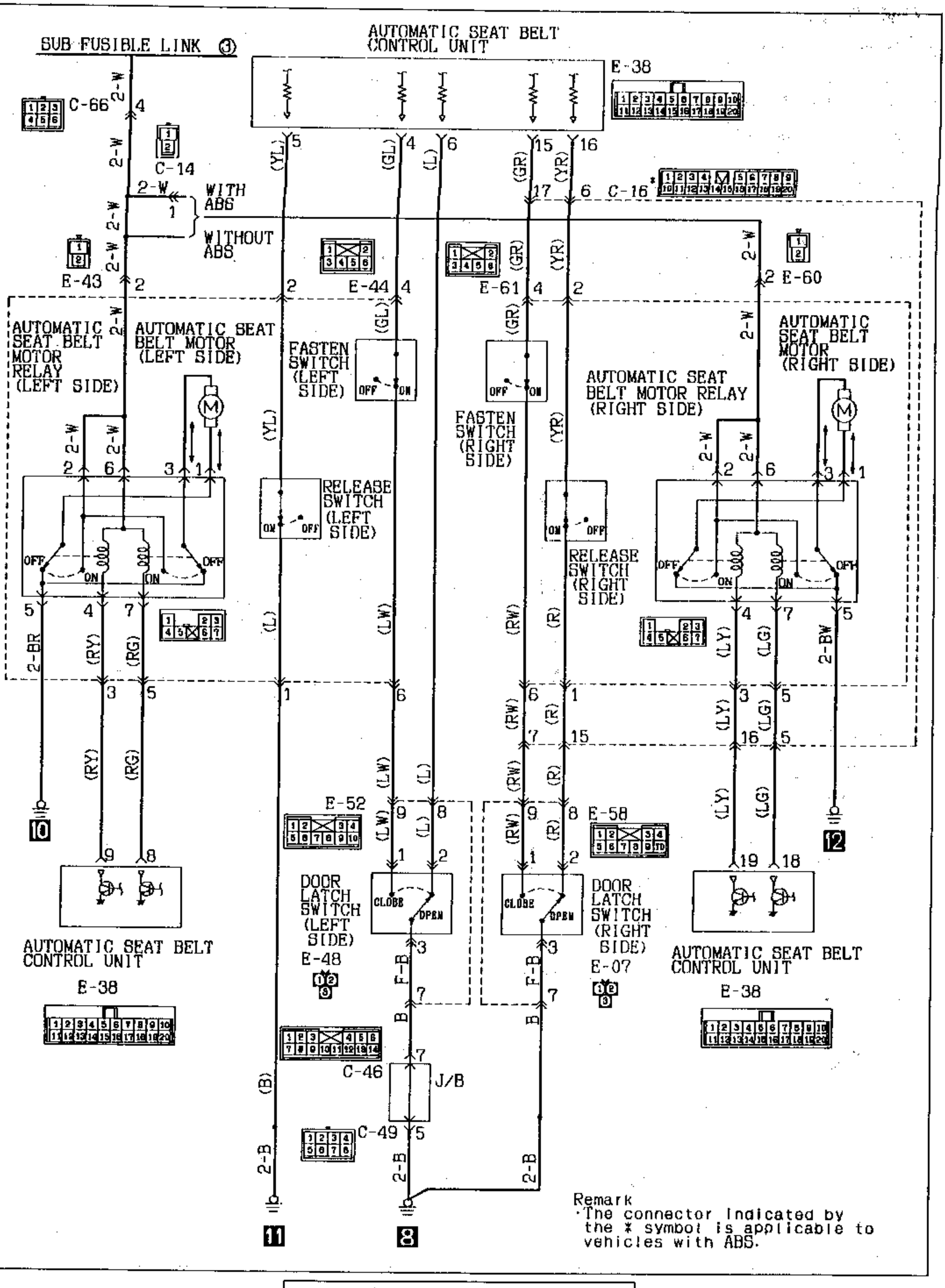
KX35-AC-U1811-MH

TSB Revision

AUTOMATIC SEAT BELT CIRCUIT

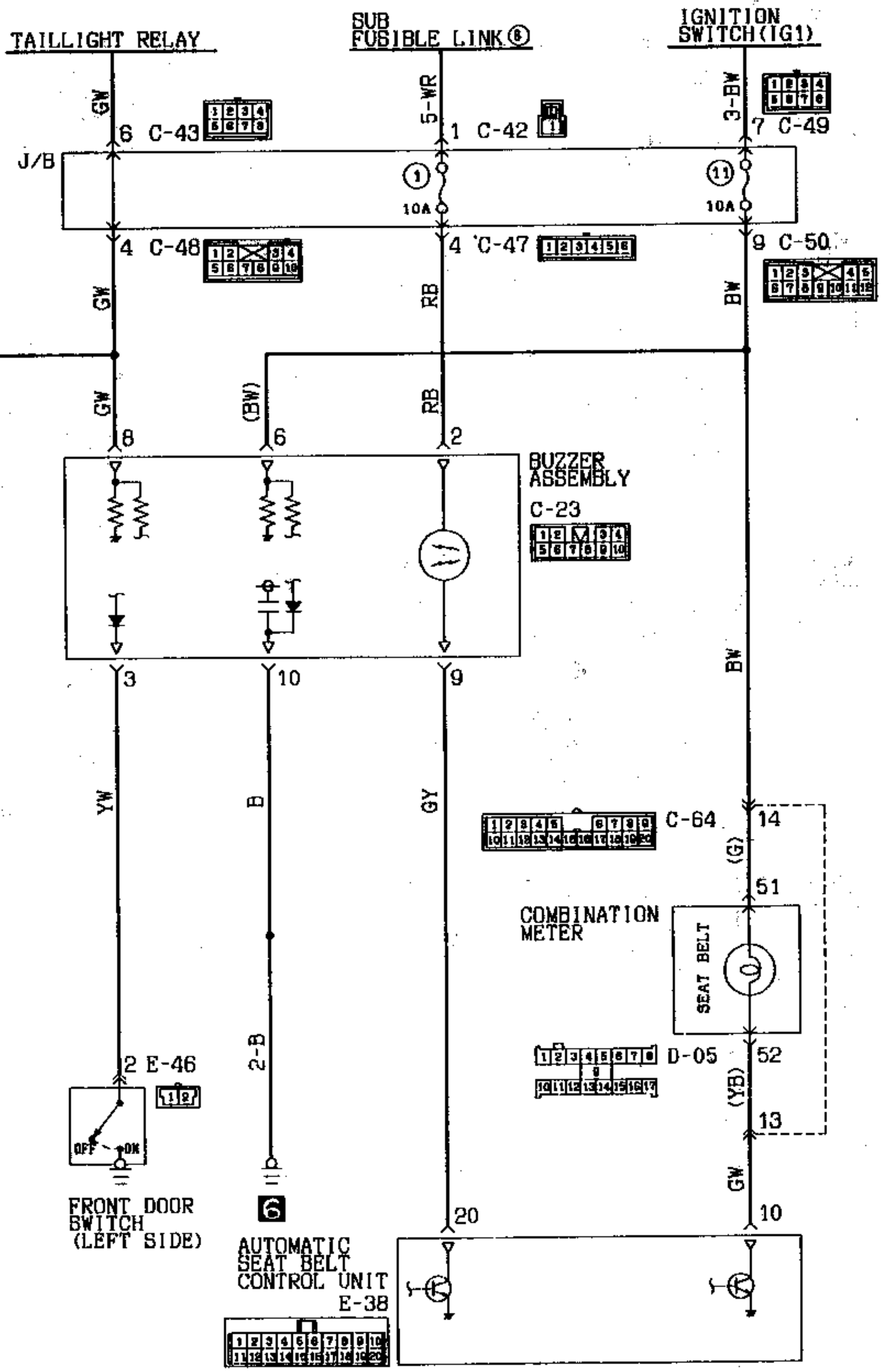


TSB Revision



TSB Revision

BUZZER CIRCUIT

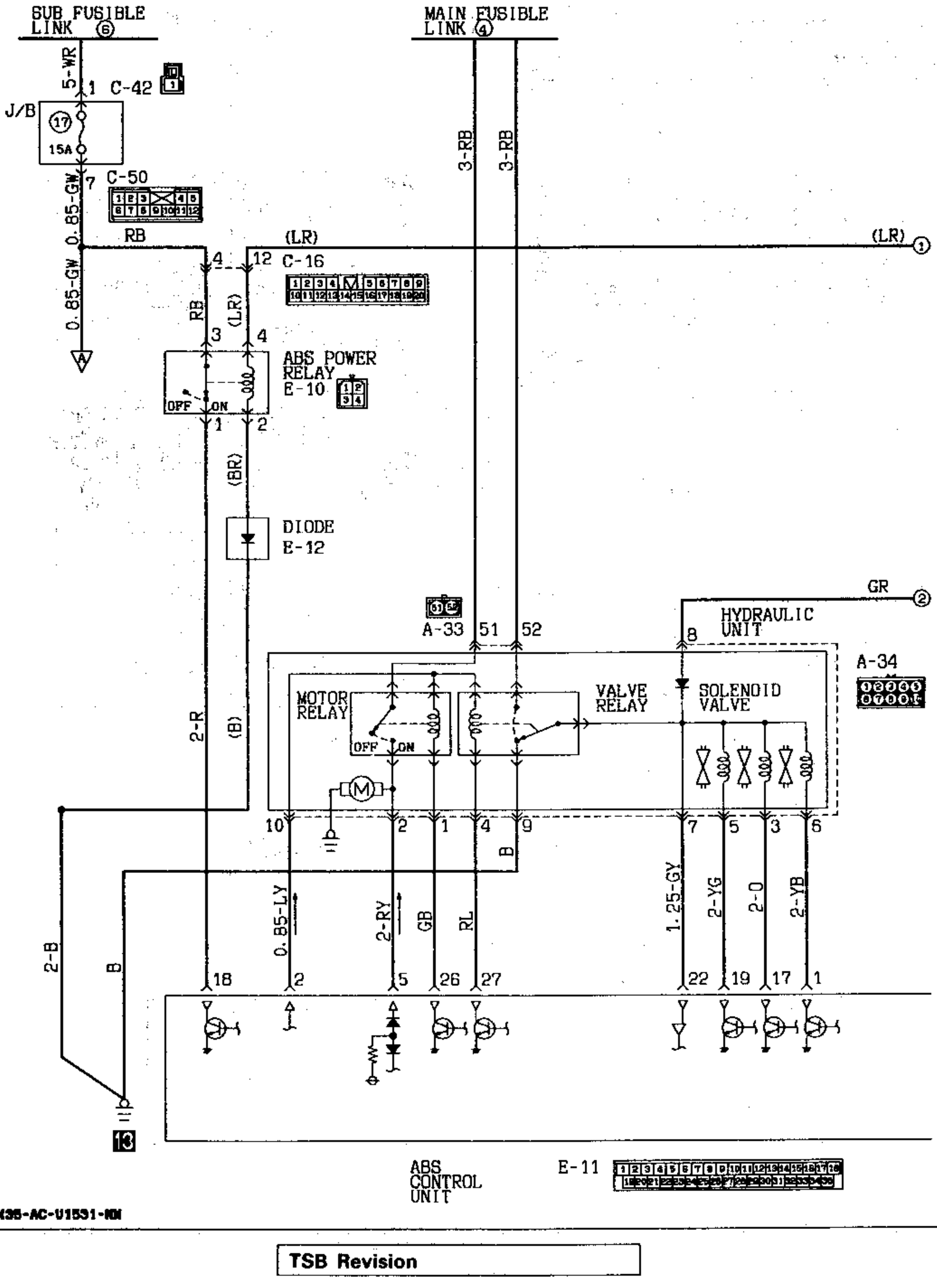


KX36-AC-U1521-NM

TSB Revision

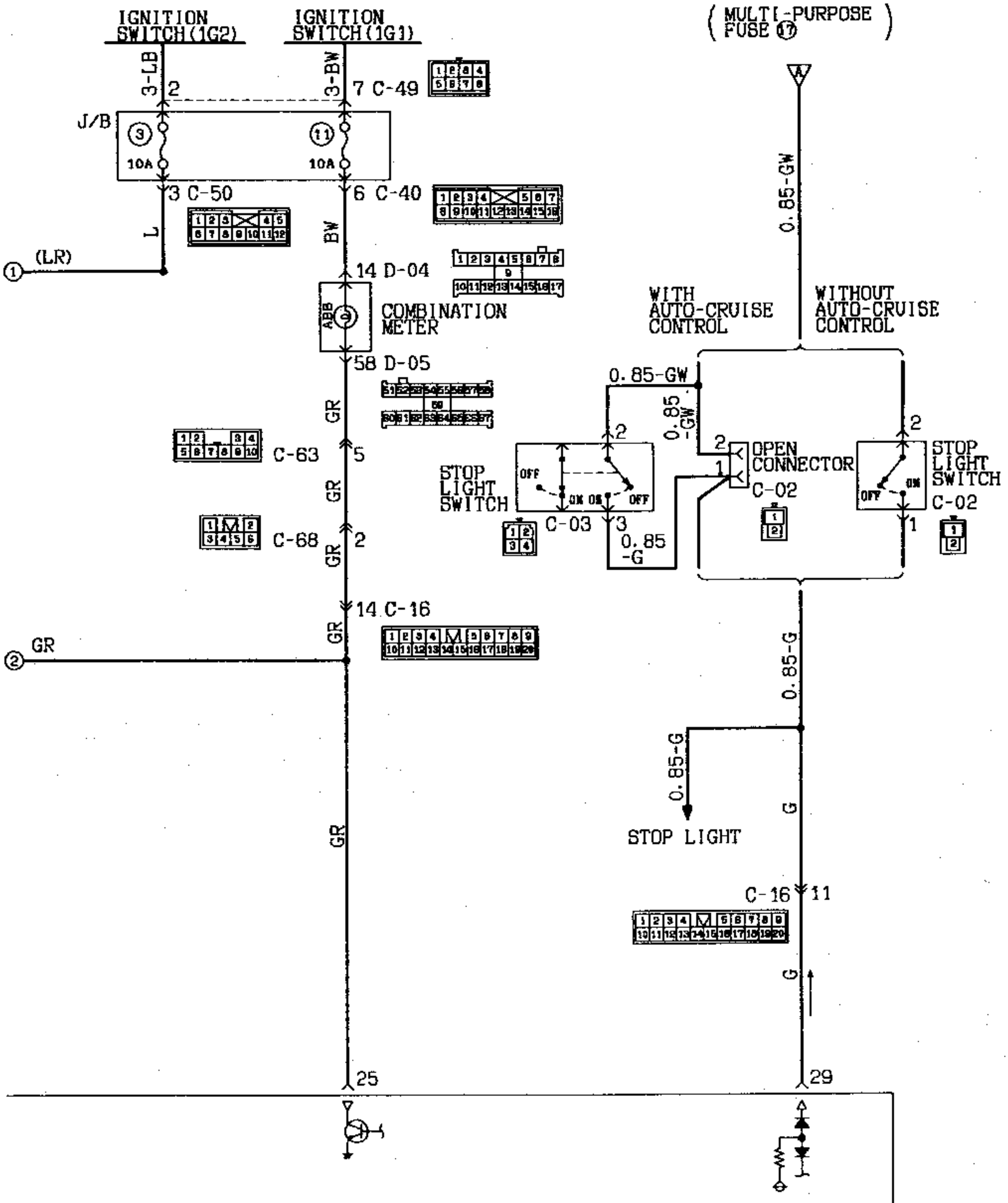
ANTI-LOCK BRAKING SYSTEM (ABS) CIRCUIT

<FWD>



XX36-AC-U1591-NM

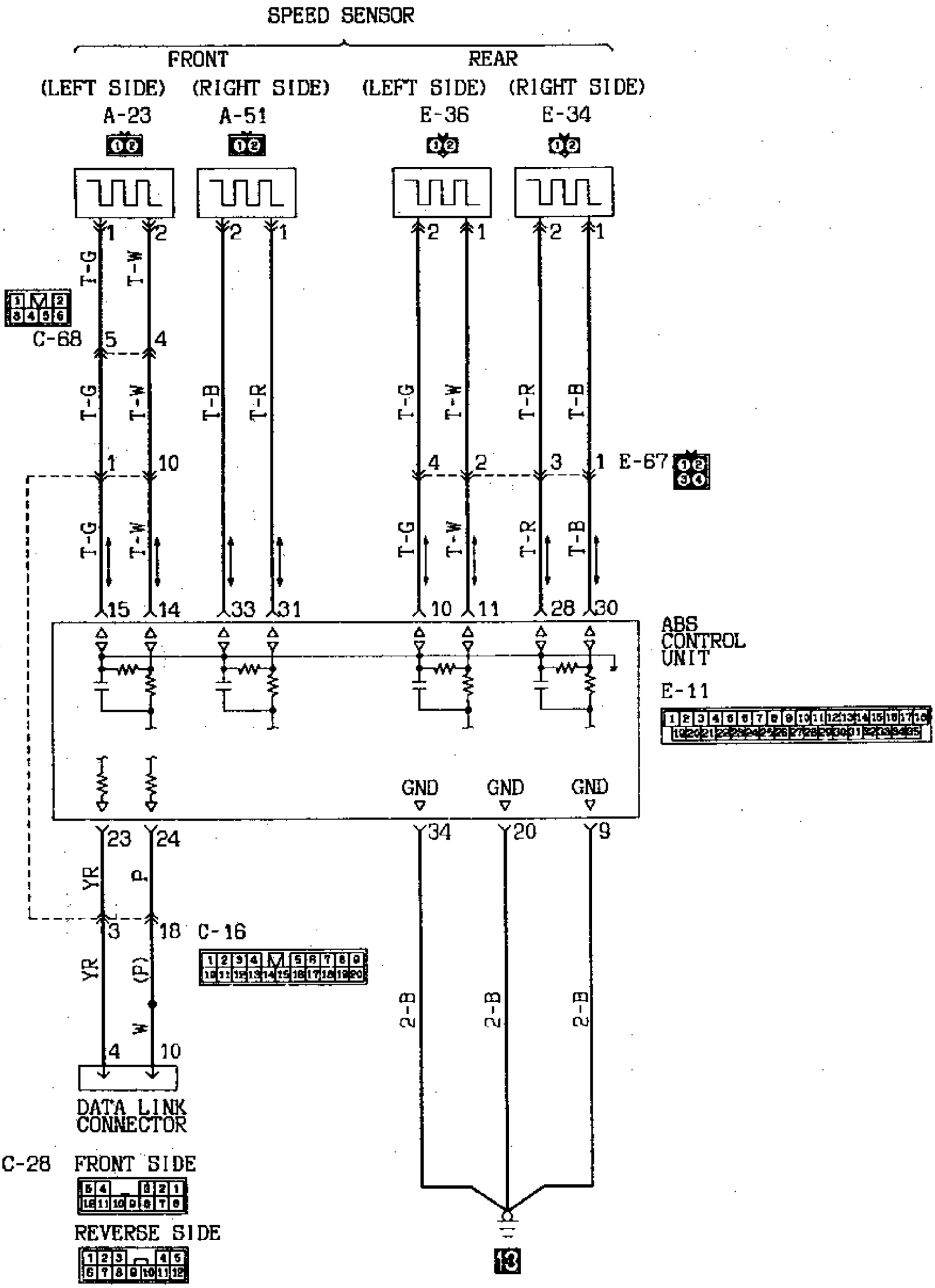
TSB Revision



TSB Revision

ANTI-LOCK BRAKING SYSTEM (ABS) CIRCUIT (CONTINUED)

<FWD>



KX35-AC-U1531A-NM

TSB Revision

ANTI-LOCK BRAKING SYSTEM (ABS) CIRCUIT

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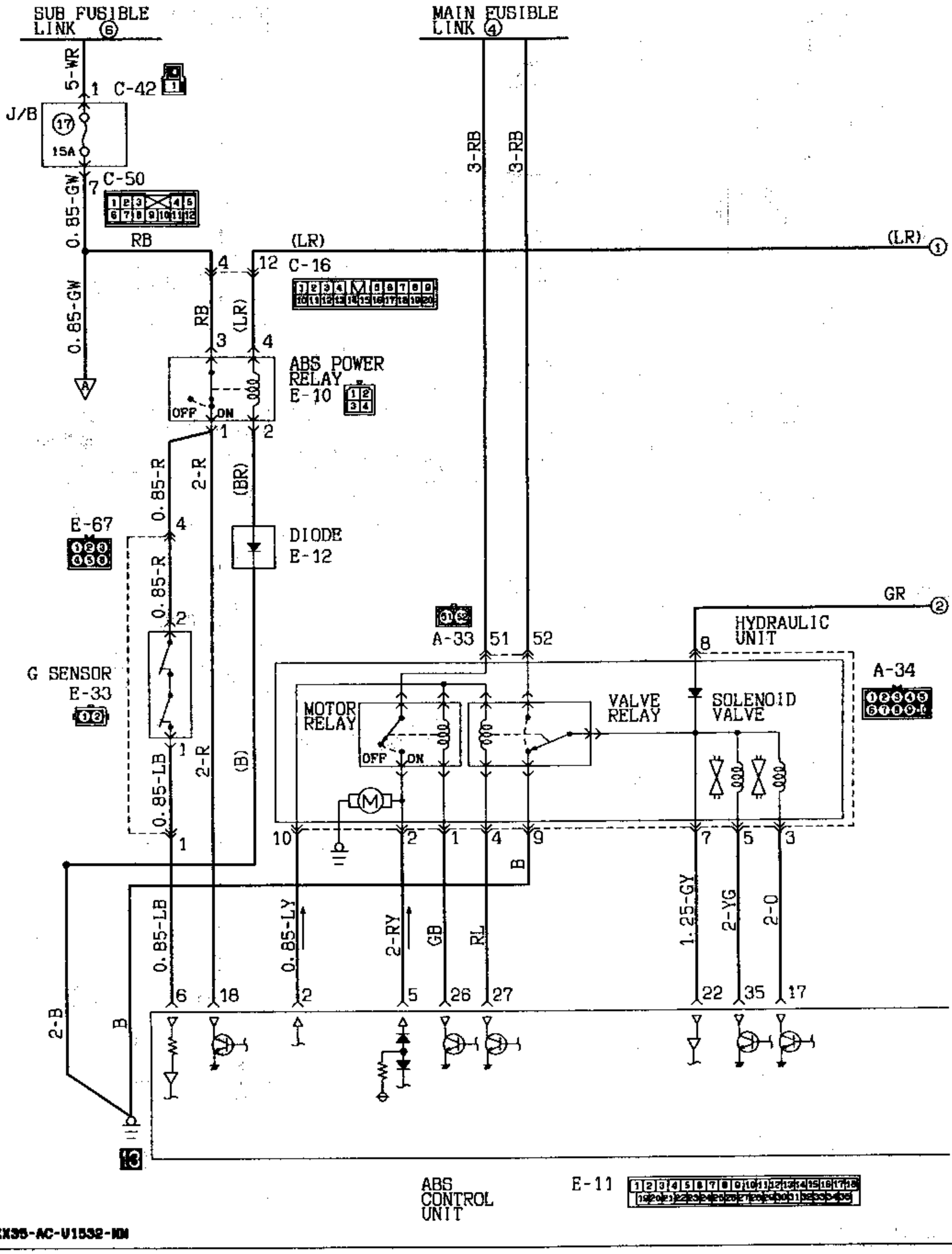

KX35-AC-U1532-KM

TSB Revision

ANTI-LOCK BRAKING SYSTEM (ABS) CIRCUIT

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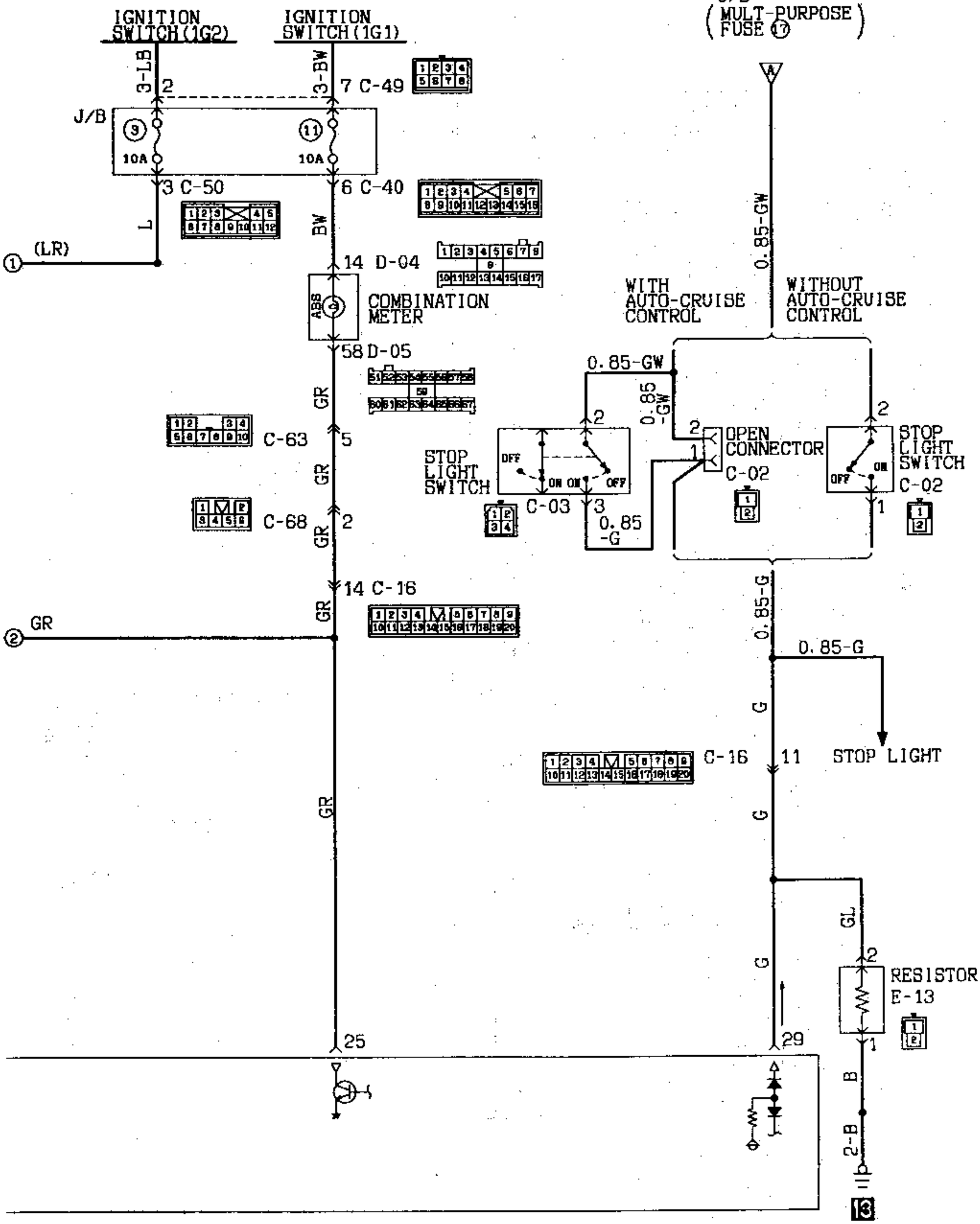
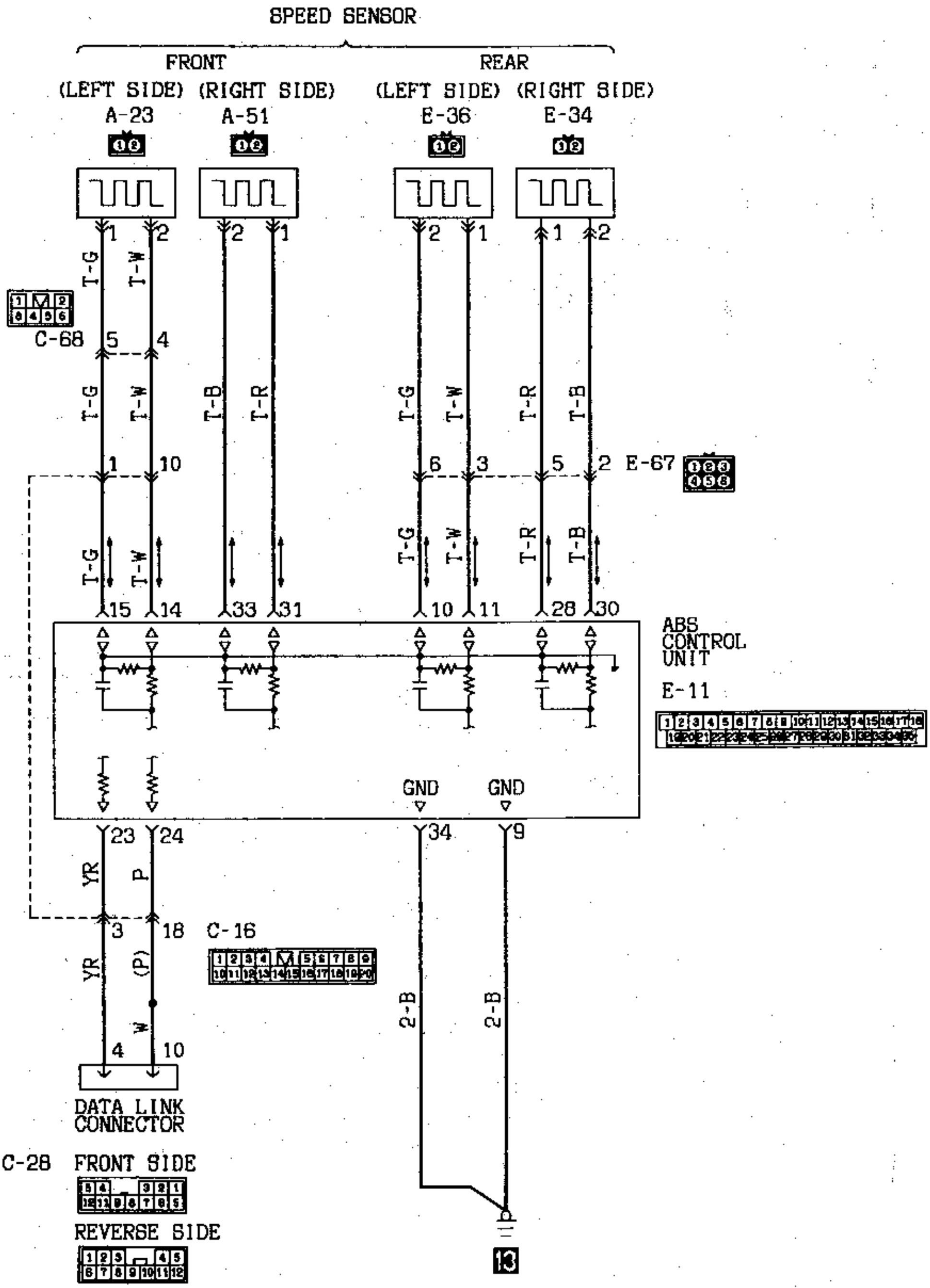


TSB Revision



KX35-AC-U1532A-NM

TSB Revision

ANTI-LOCK BRAKING SYSTEM (ABS) CIRCUIT

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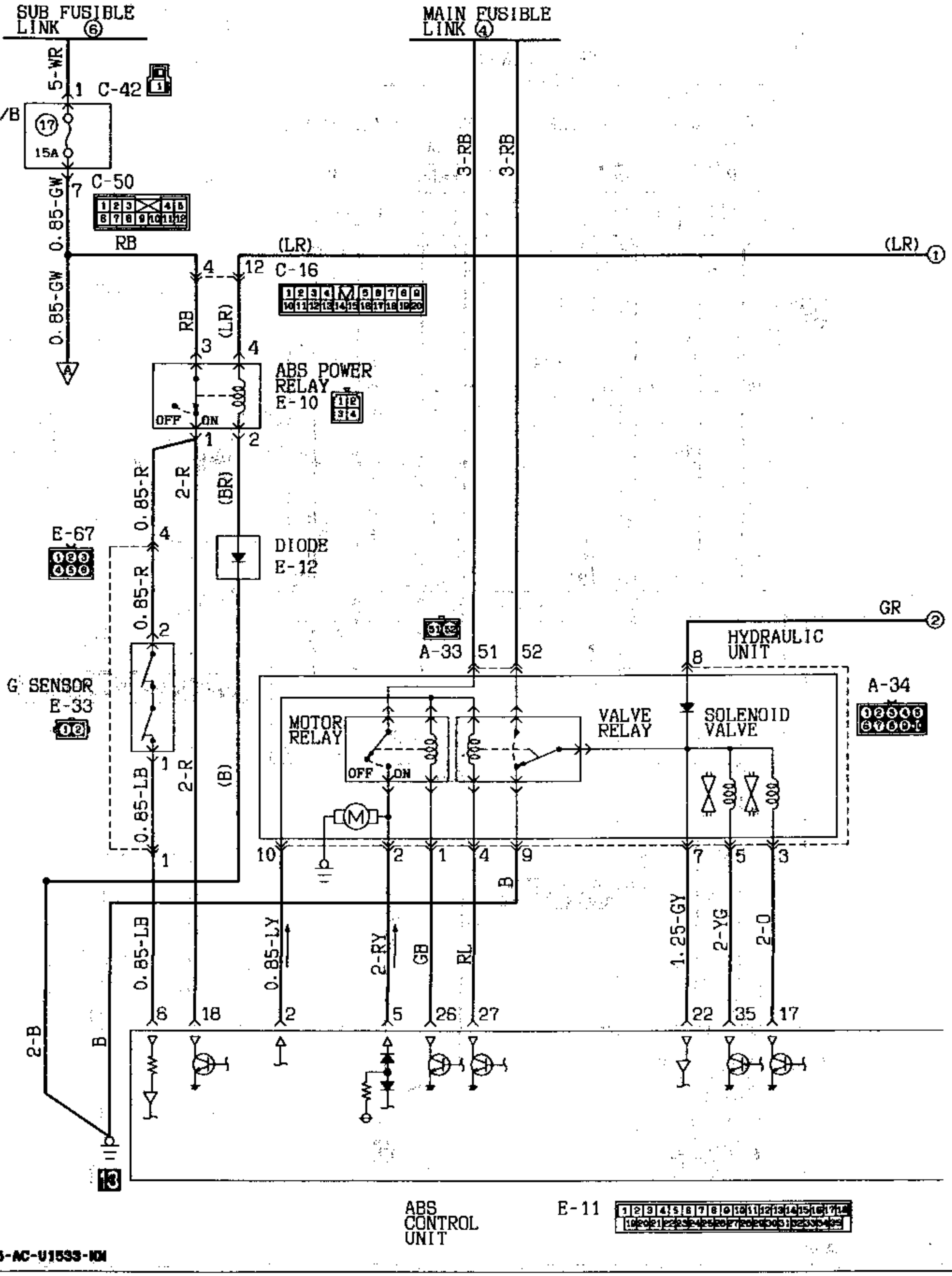
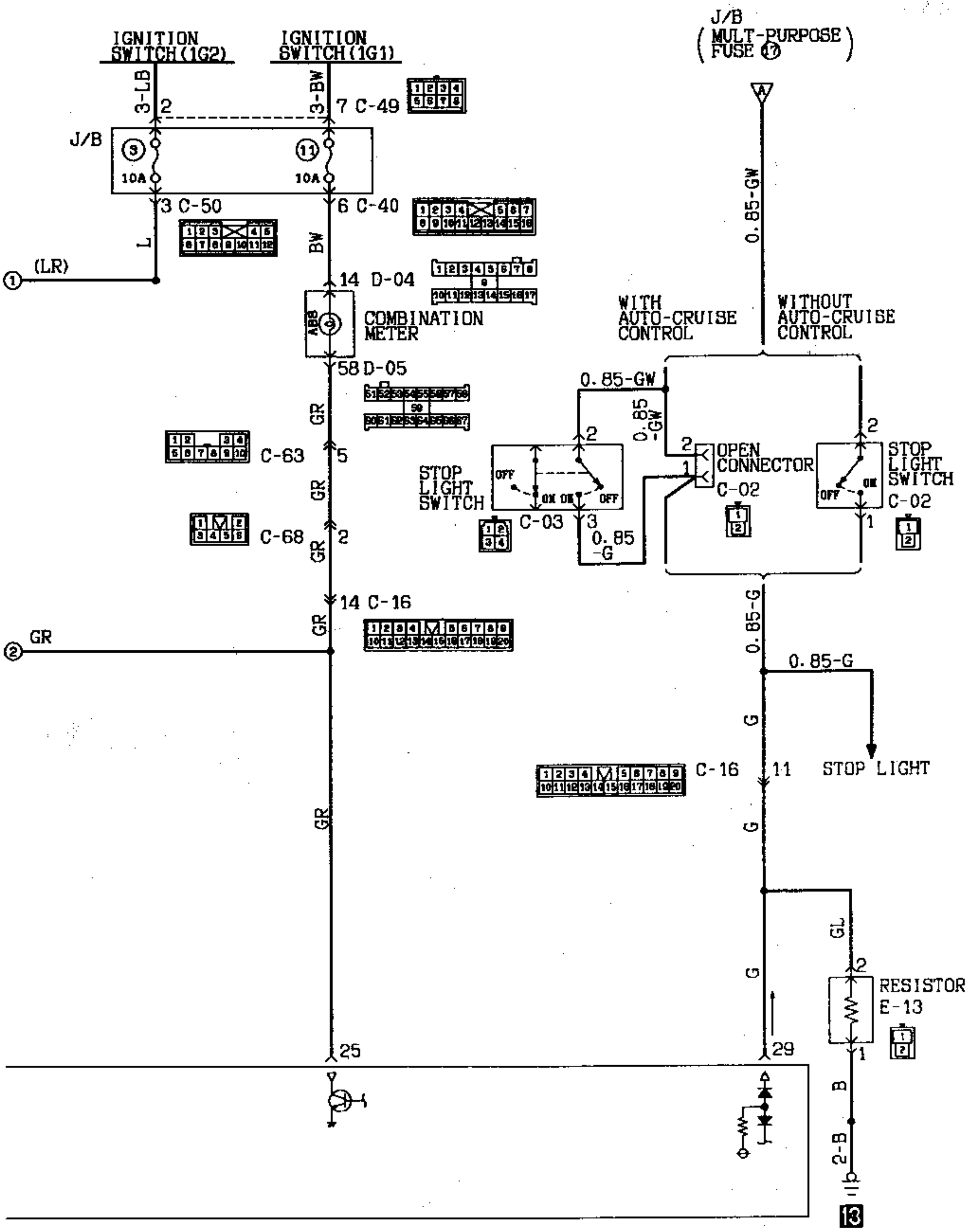


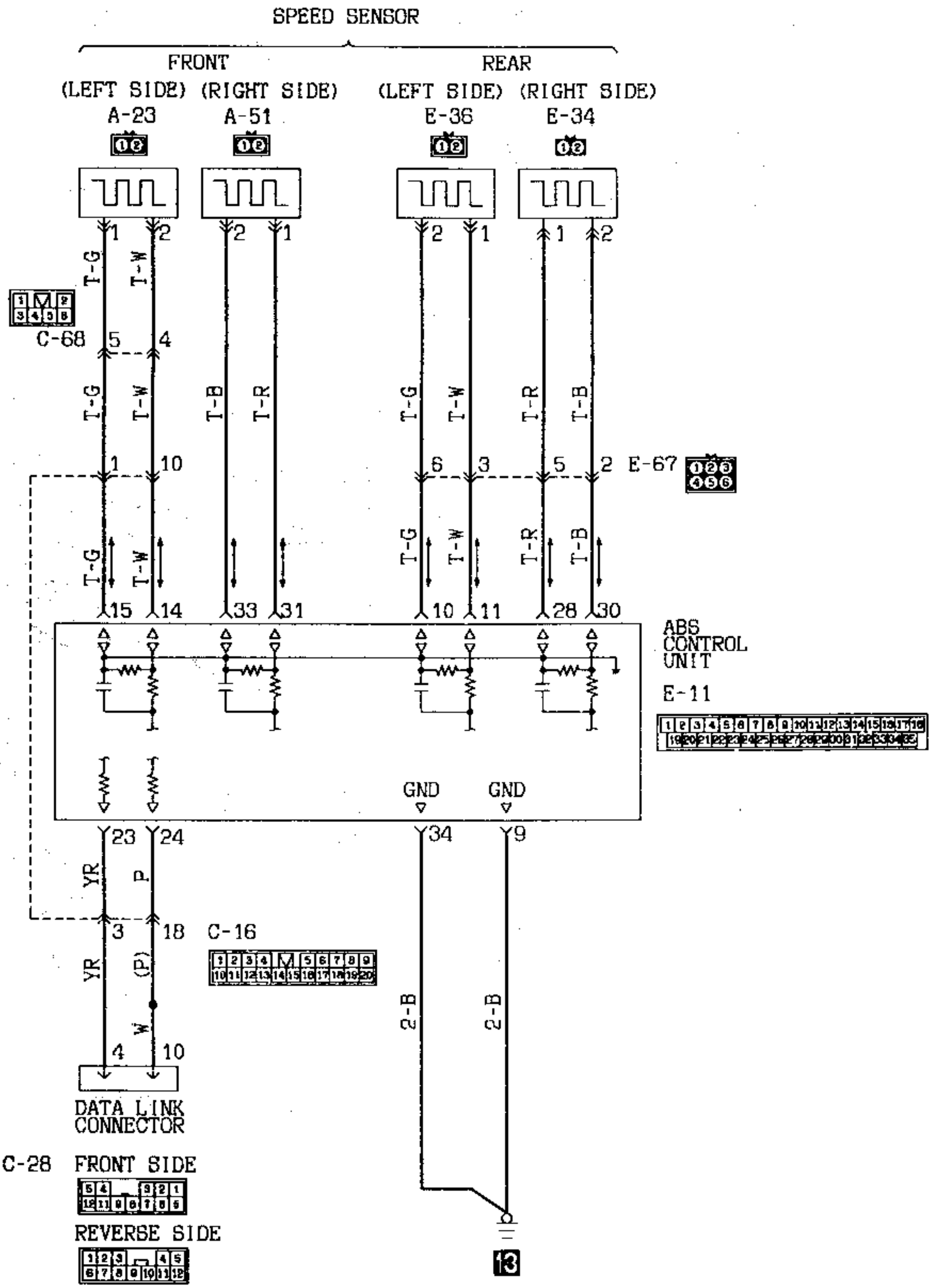
RX35-AC-U1533-NM

TSB Revision



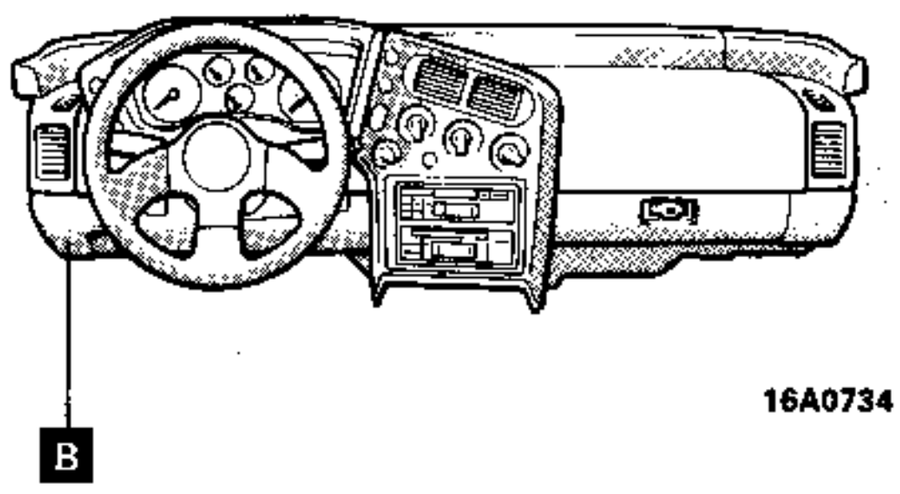
TSB Revision

ANTI-LOCK BRAKING SYSTEM (ABS) CIRCUIT
<AWD> <FROM 1993 MODELS> (CONTINUED)



KX35-AC-U1533A-NM

TSB Revision



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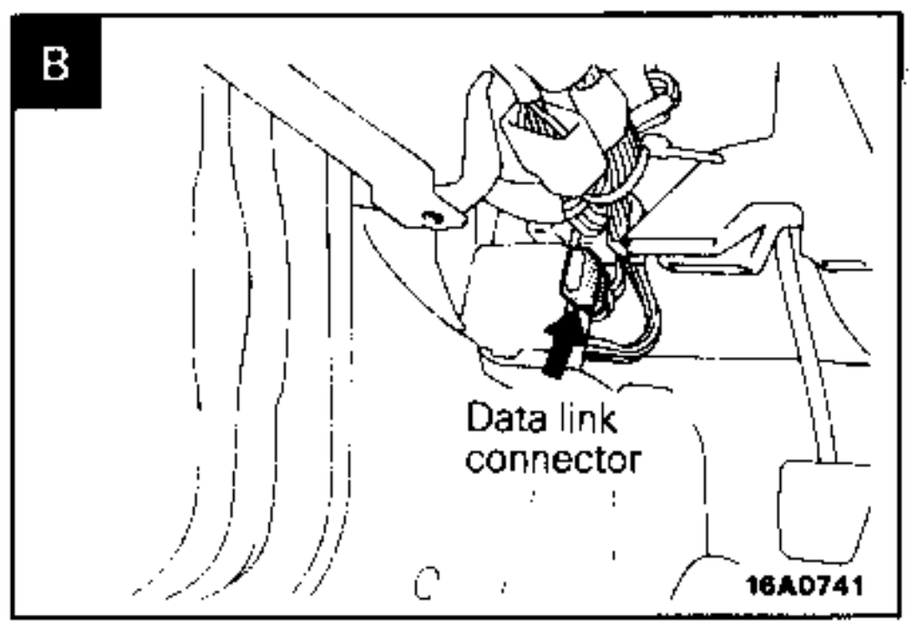

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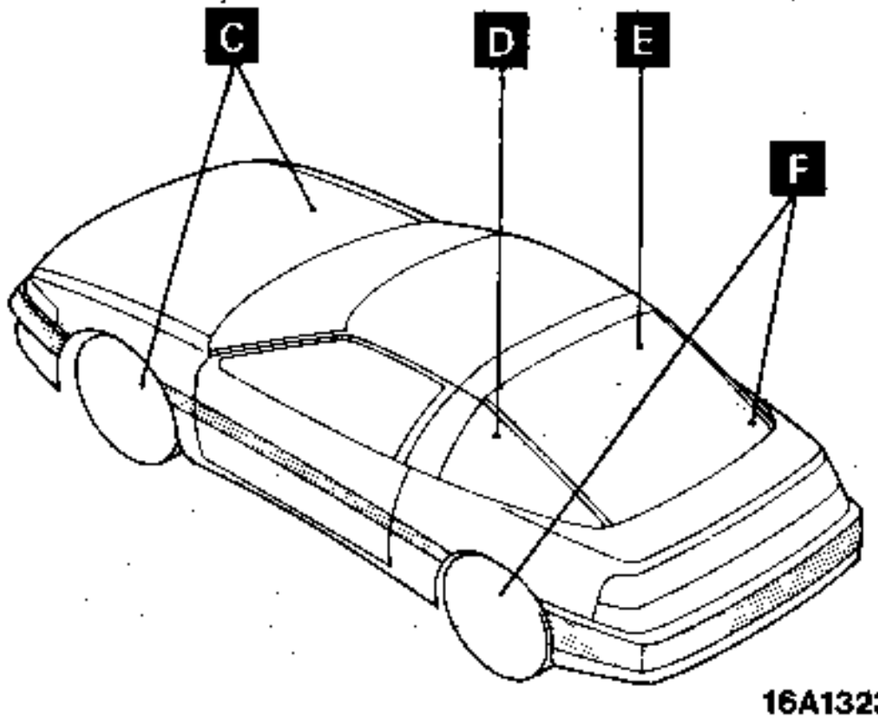

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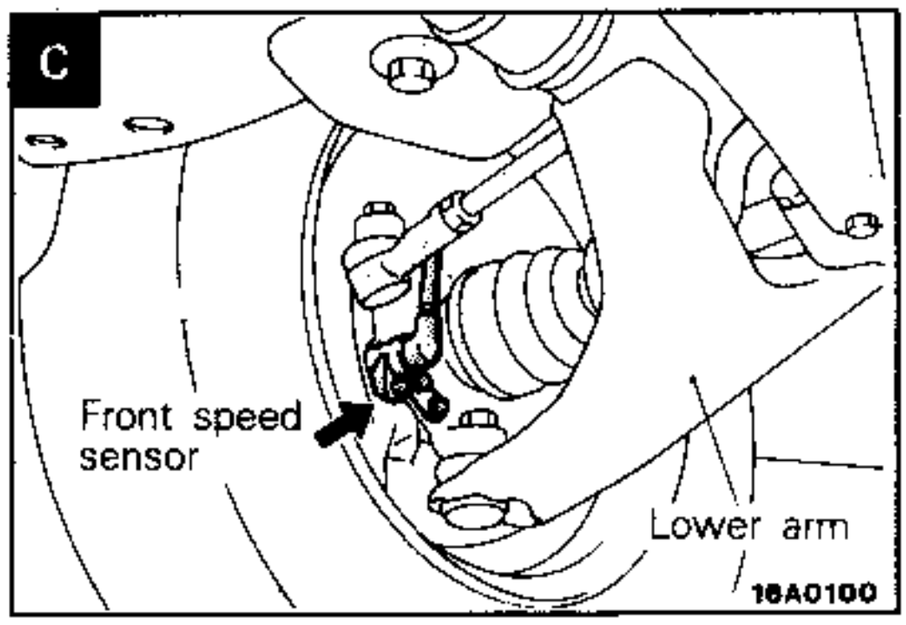

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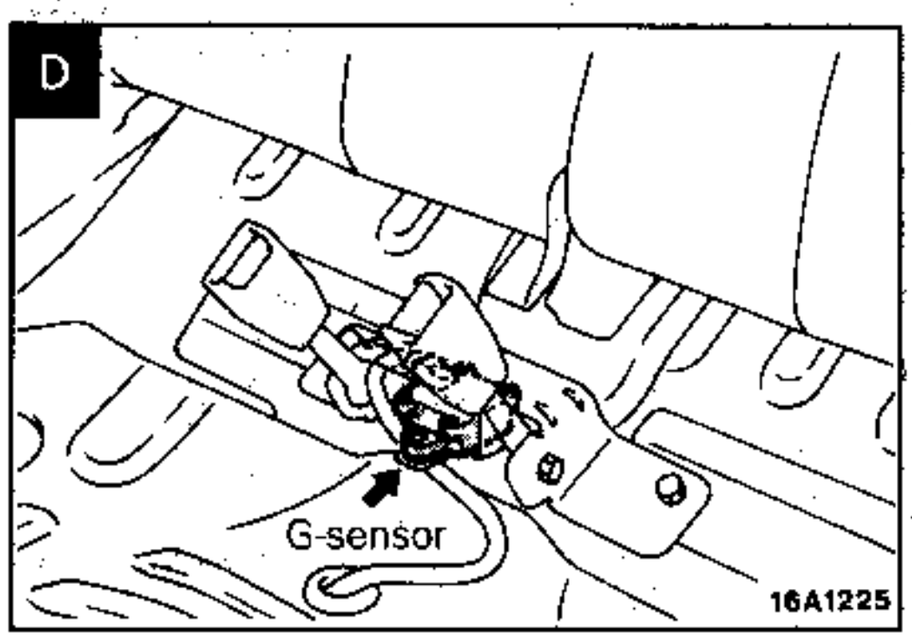

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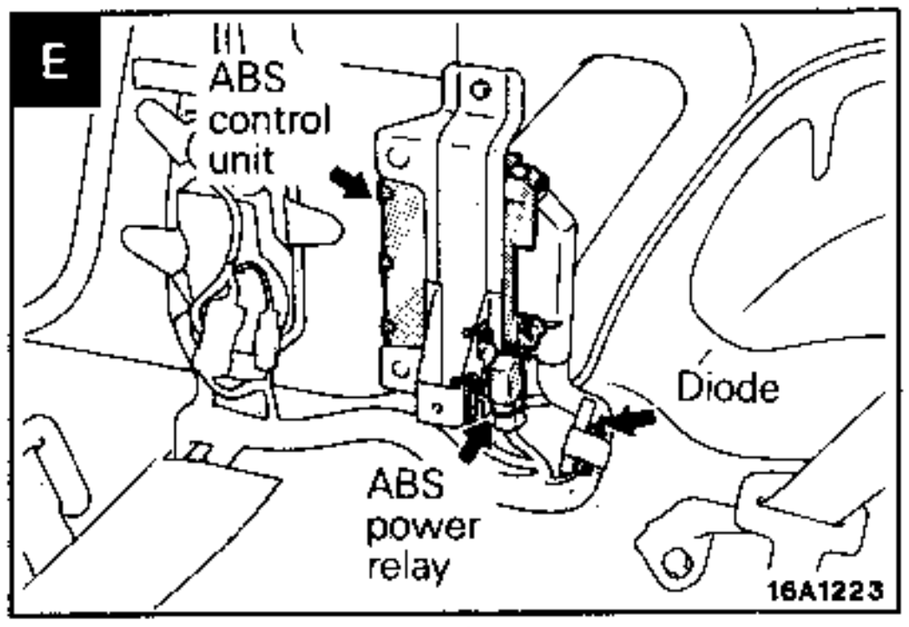

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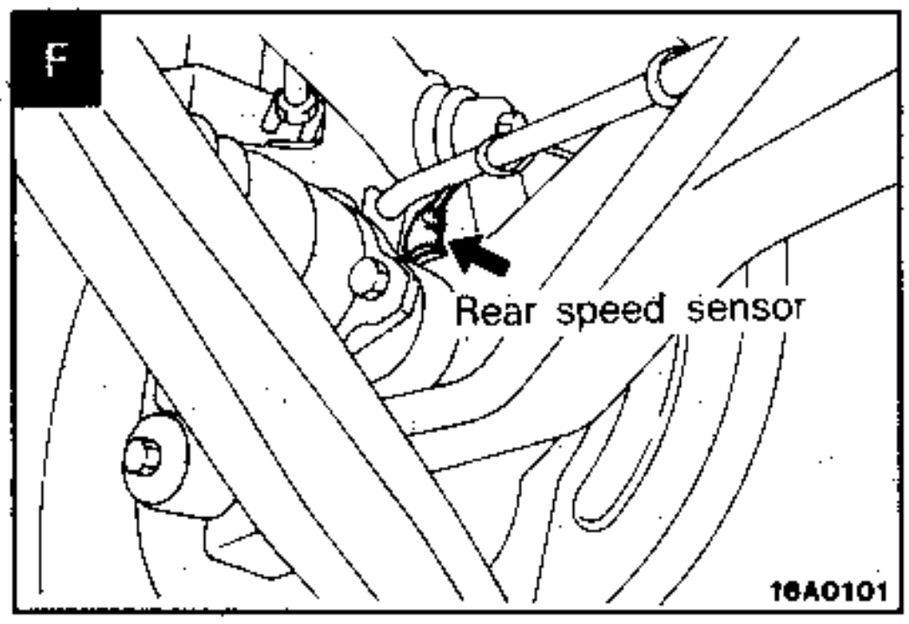
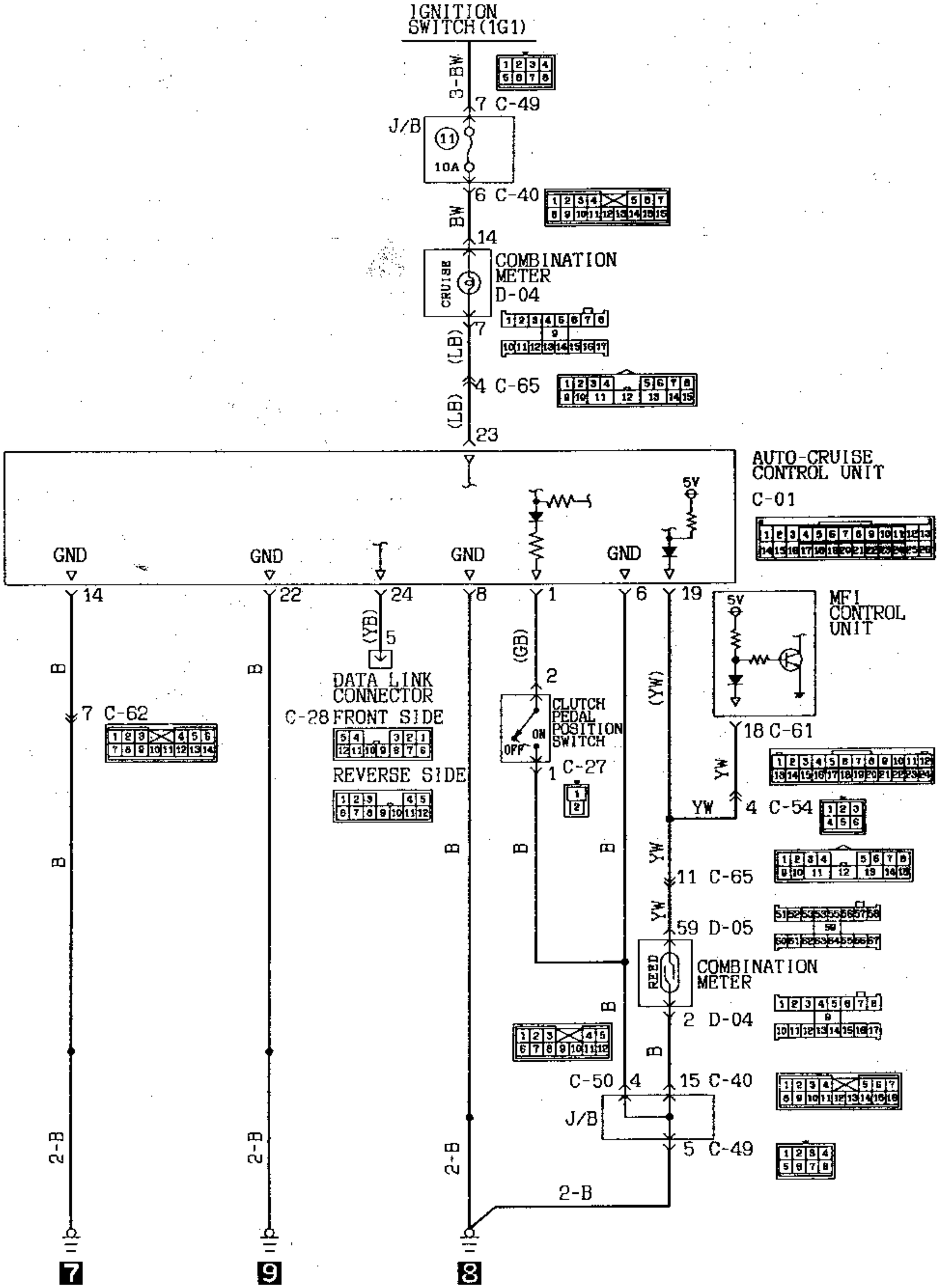


16A0101

TSB Revision

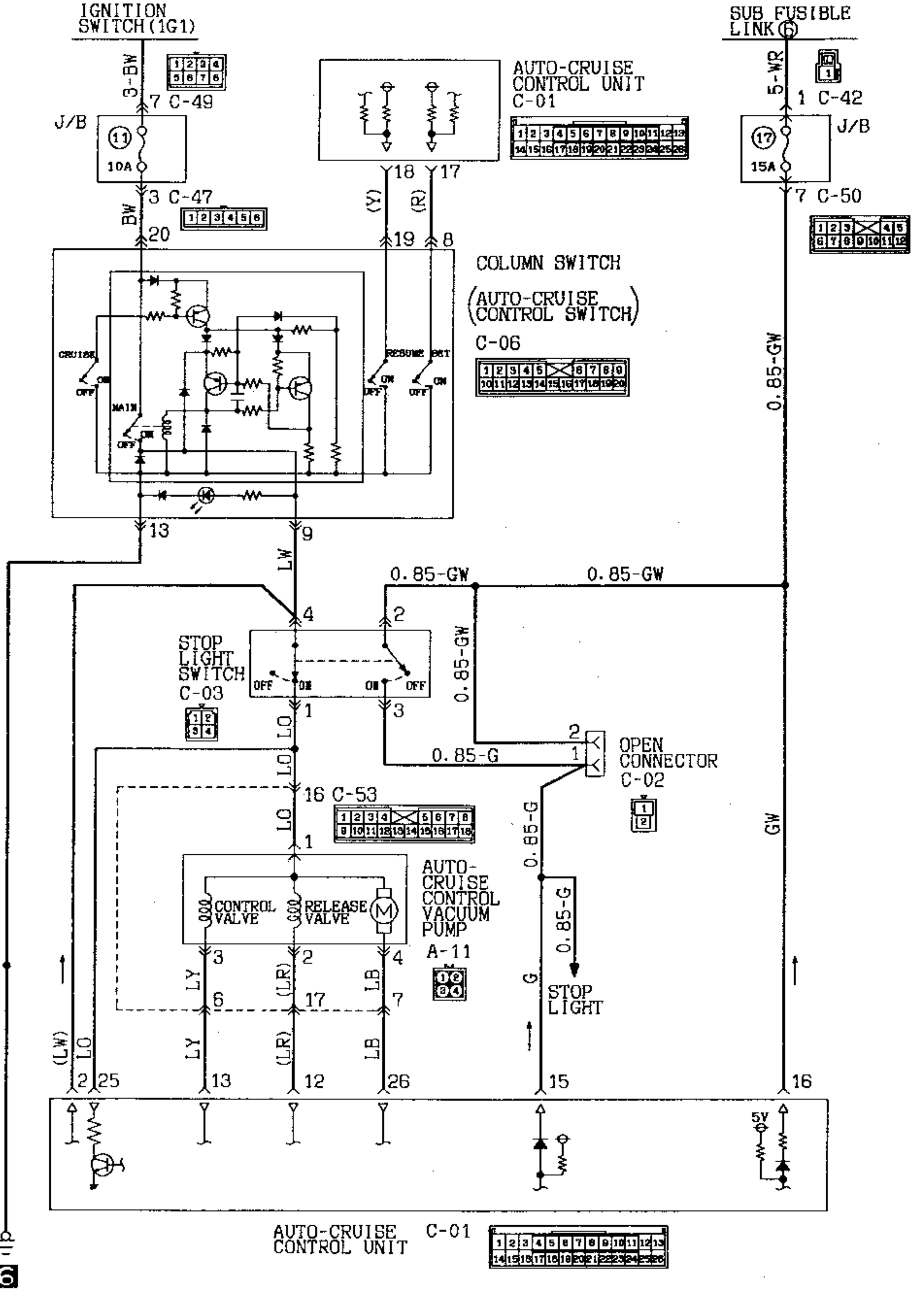
AUTO-CRUISE CONTROL CIRCUIT

<M/T>



KX35-AC-U1525-M

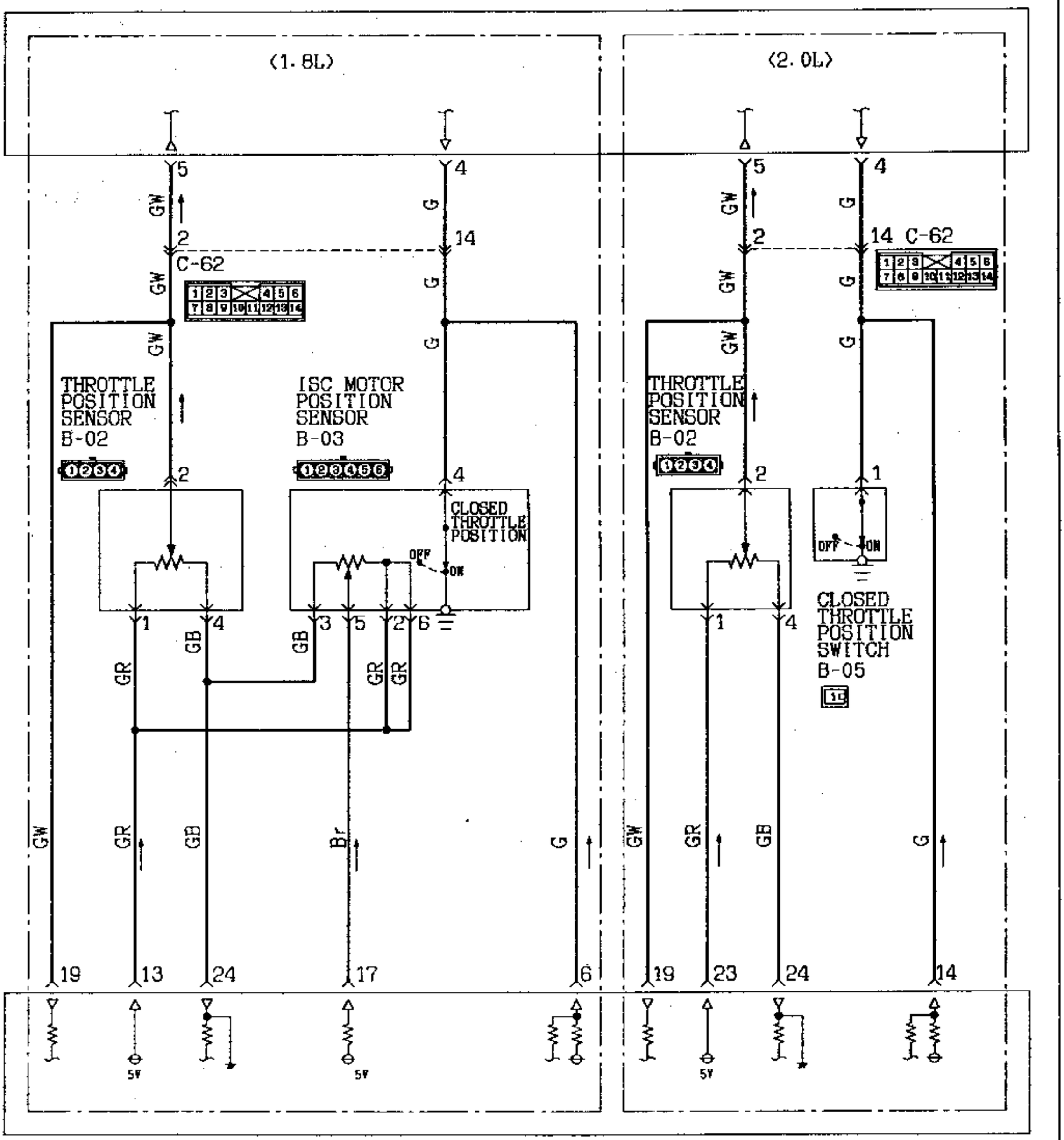
TSB Revision



TSB Revision

AUTO-CRUISE CONTROL CIRCUIT

<M/T> (CONTINUED)



KX35-AC-U1525A-NN

TSB Revision

AUTO-CRUISE CONTROL CIRCUIT

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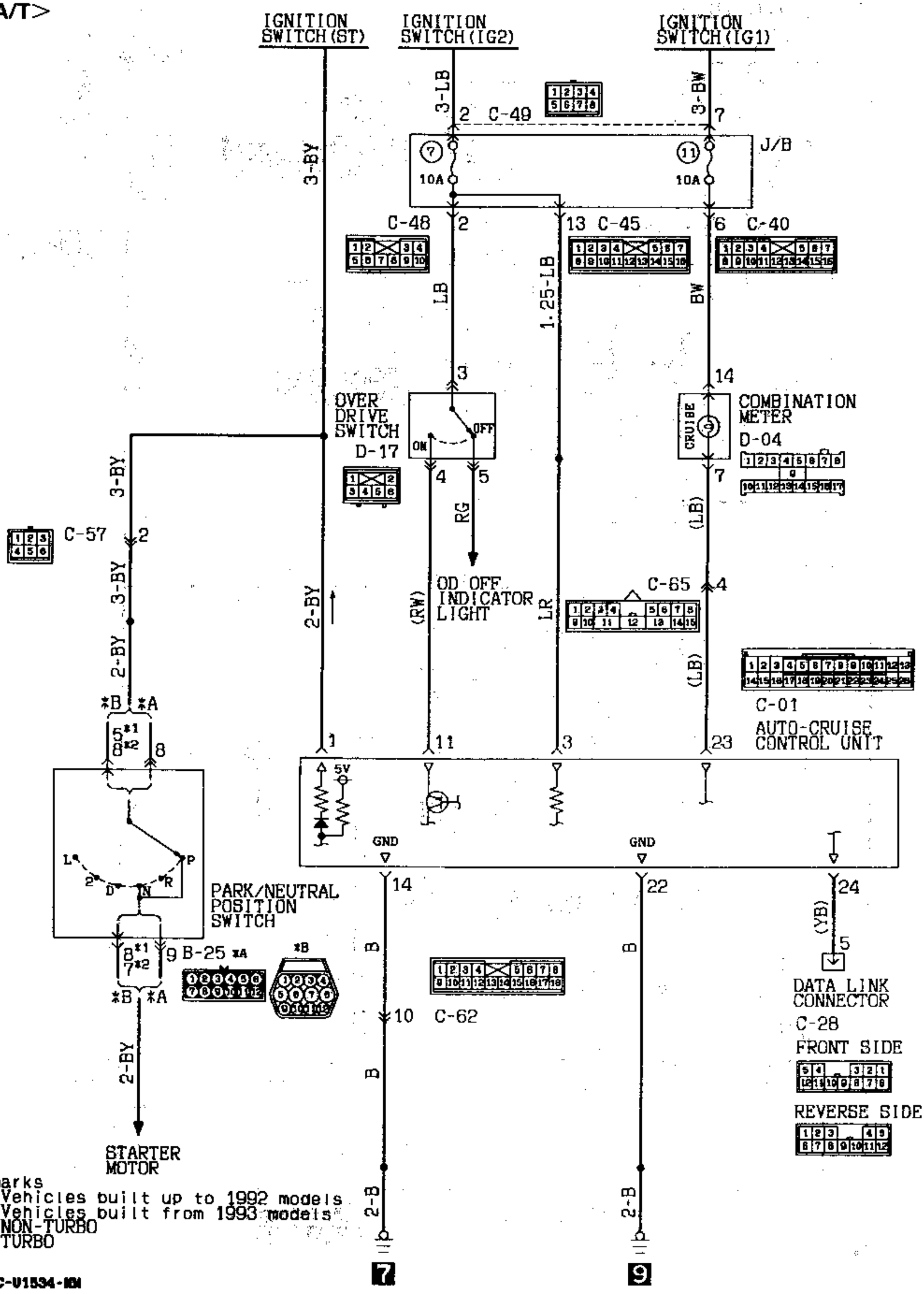


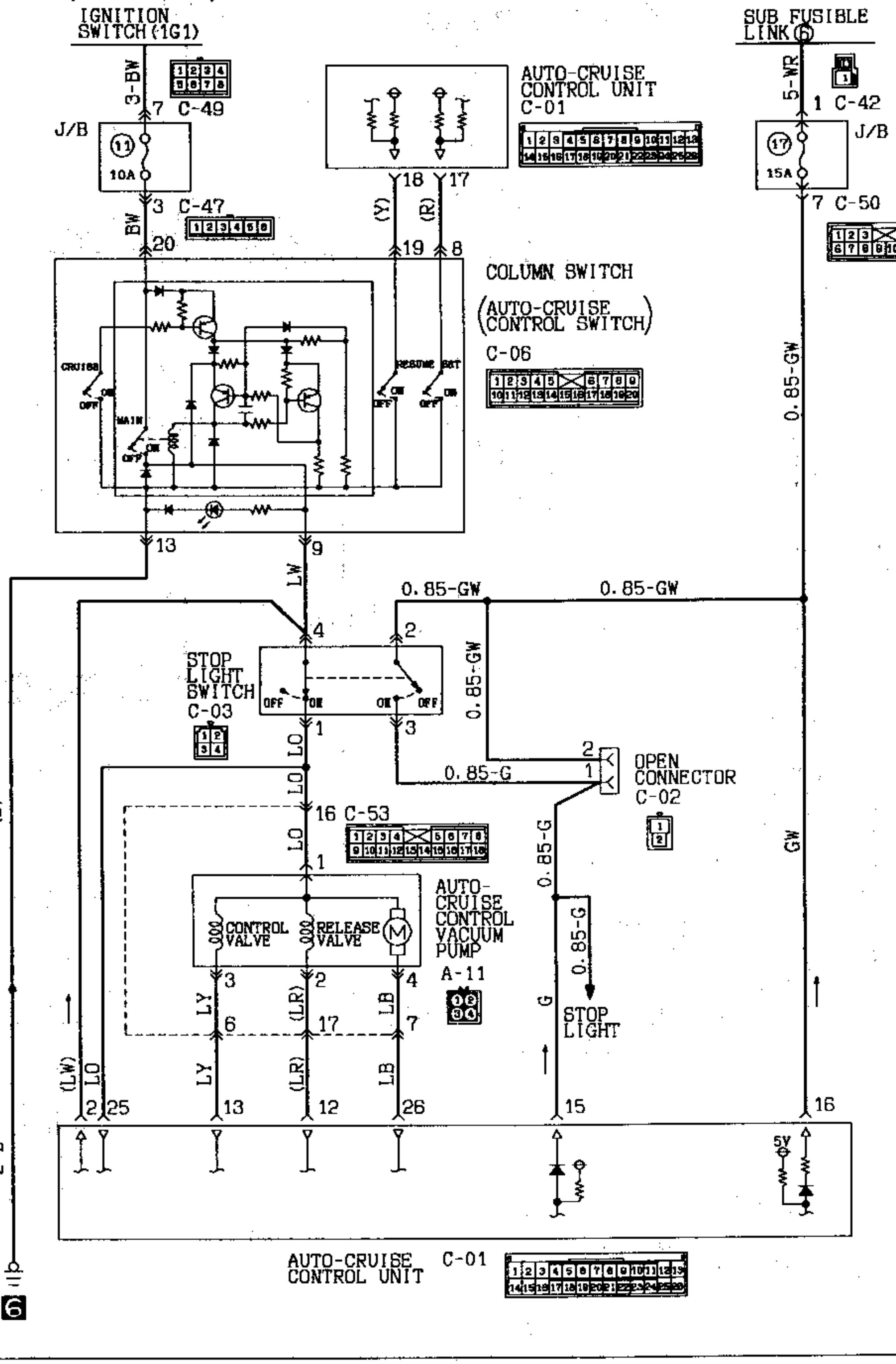
Remarks
*A:Vehicles built up to 1992 models
*B:Vehicles built from 1993 models
*1:NON-TURBO
*2:TURBO

RX35-AC-U1534-IBM

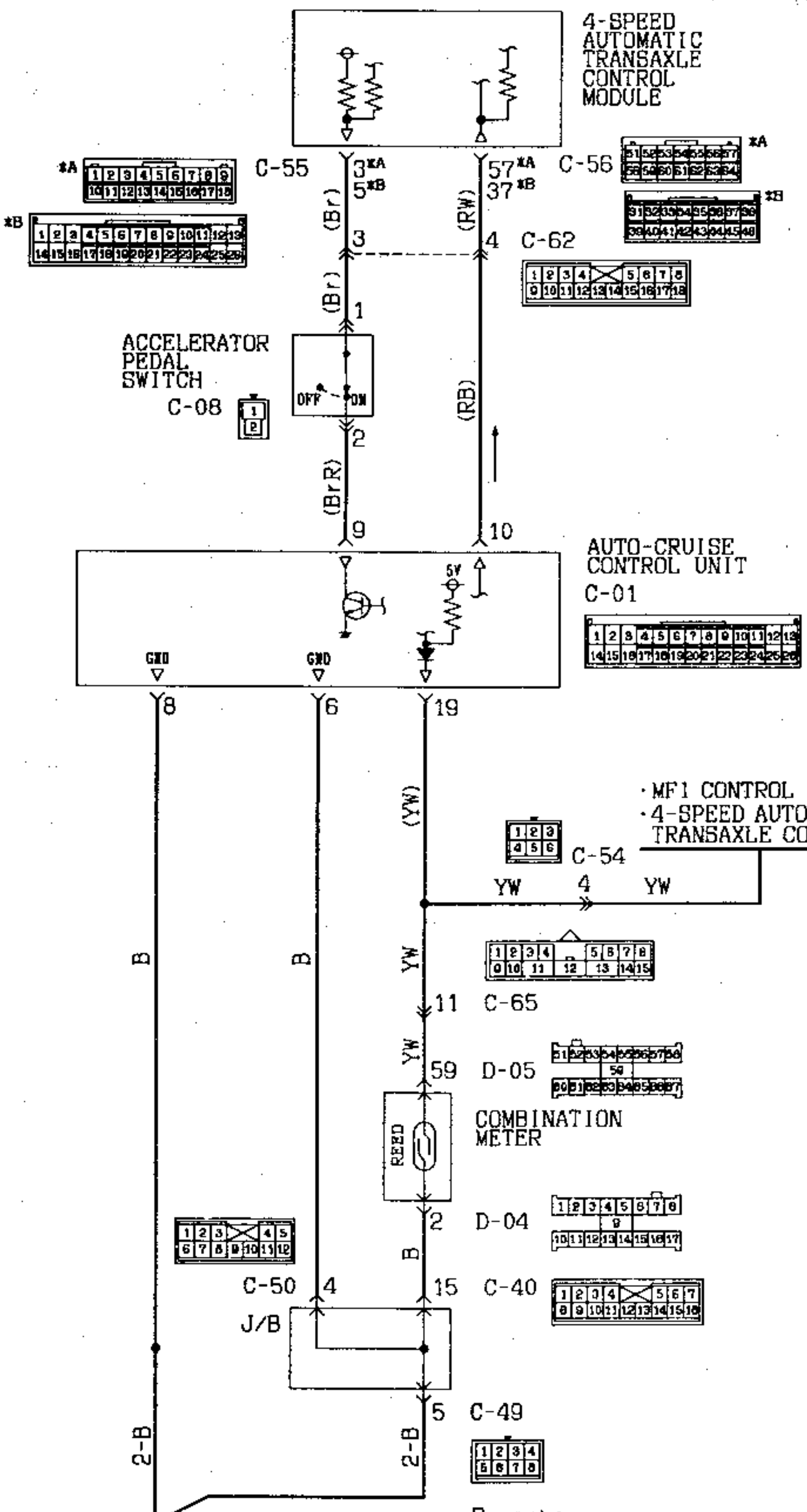
TSB Revision

AUTO-CRUISE CONTROL CIRCUIT

<A/T> (CONTINUED)



TSB Revision



KX35-AC-U1534A-NM

TSB Revision

AUTO-CRUISE CONTROL CIRCUIT

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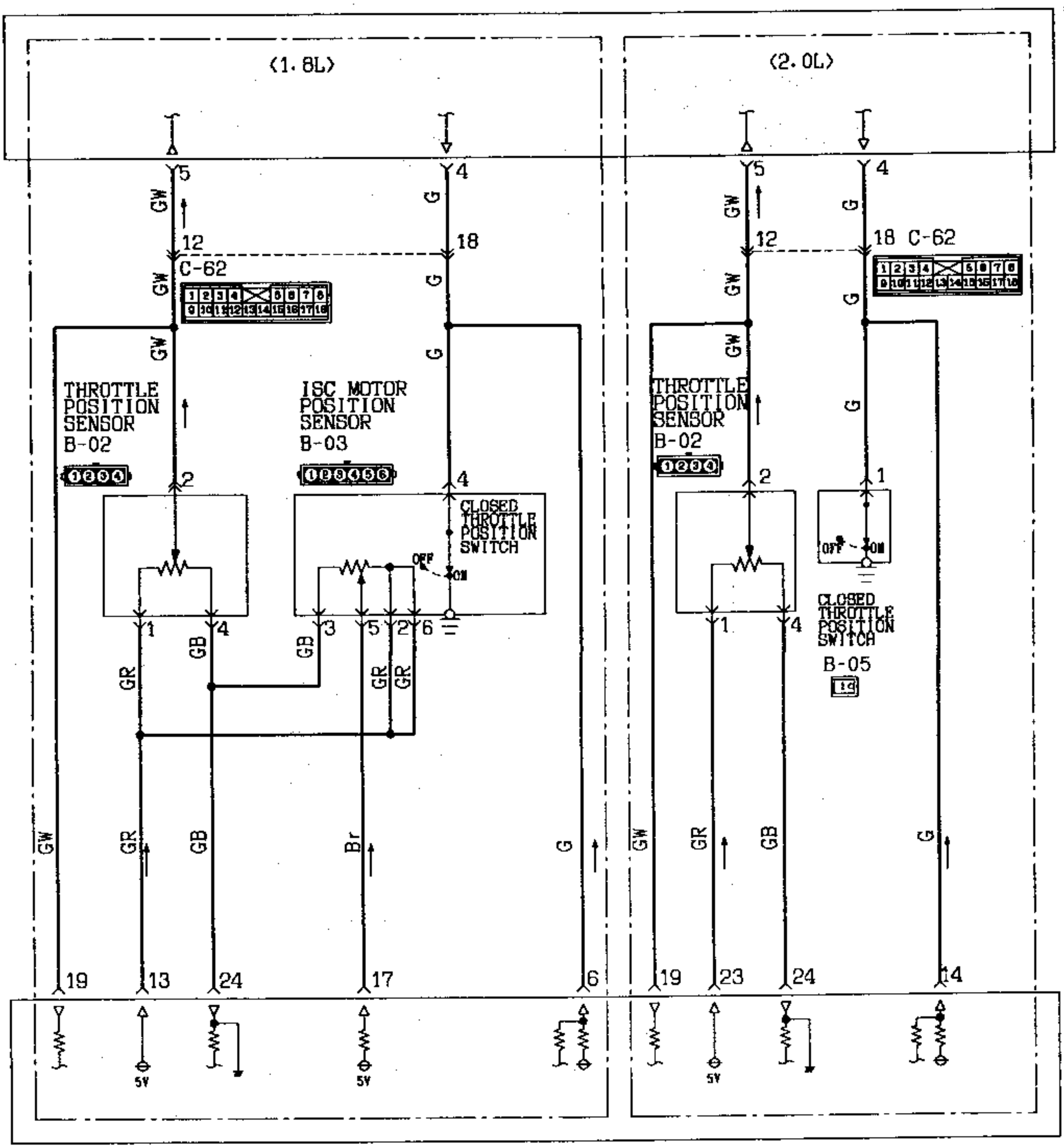

TSB Revision

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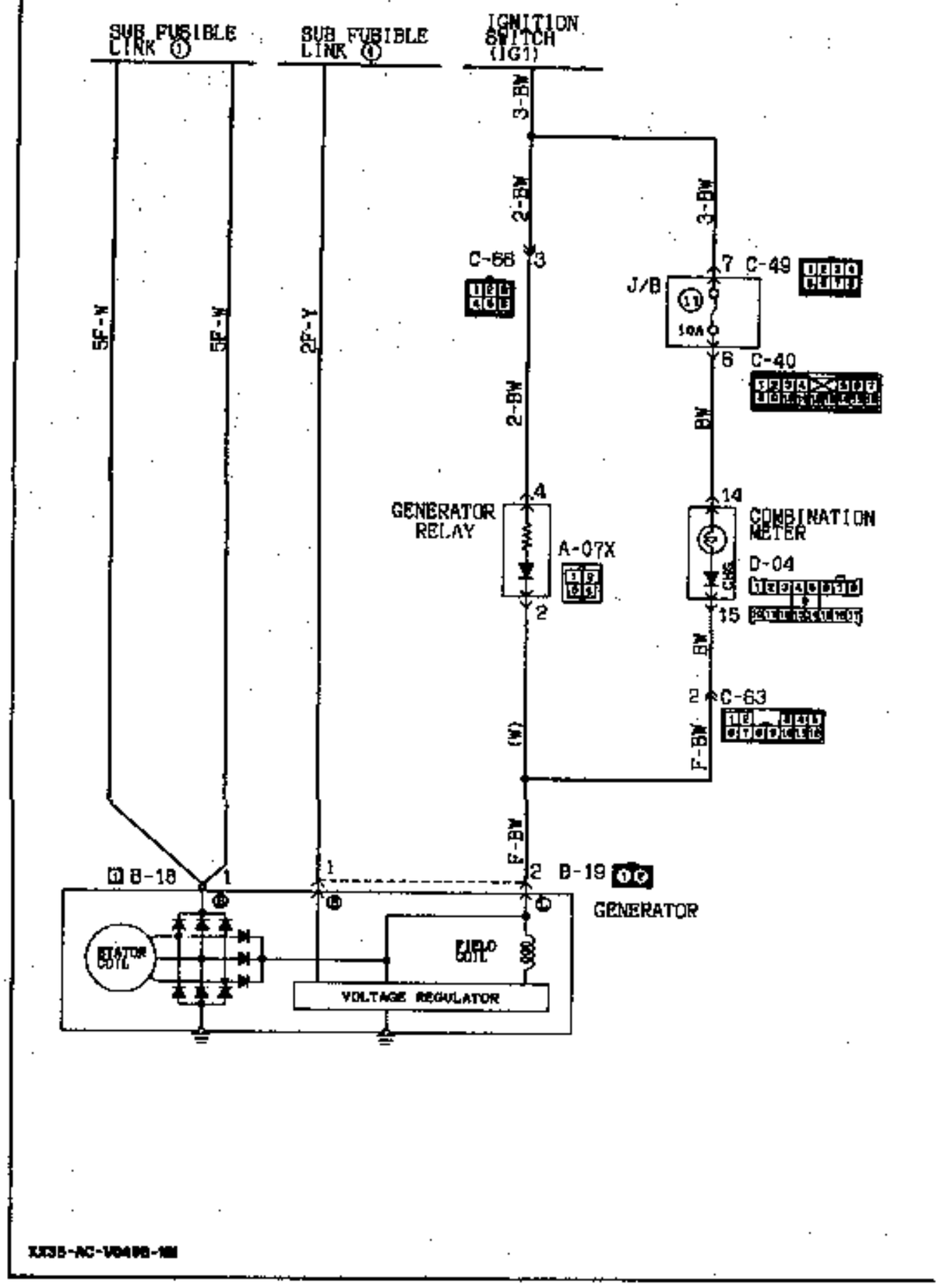
TROUBLESHOOTING

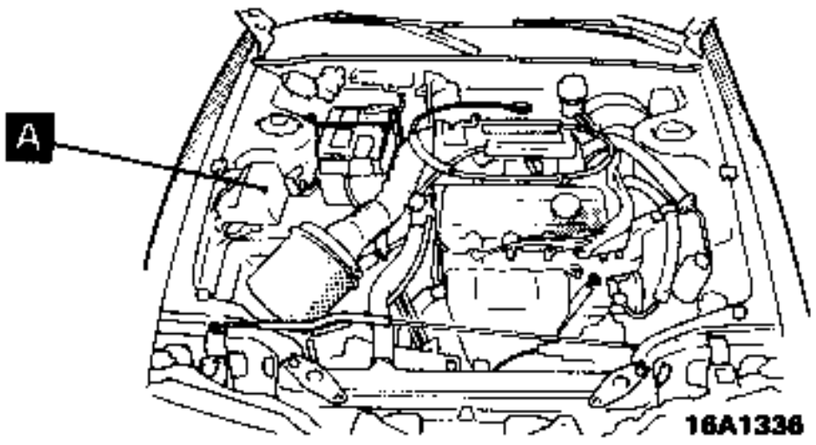
CIRCUIT DIAGRAM



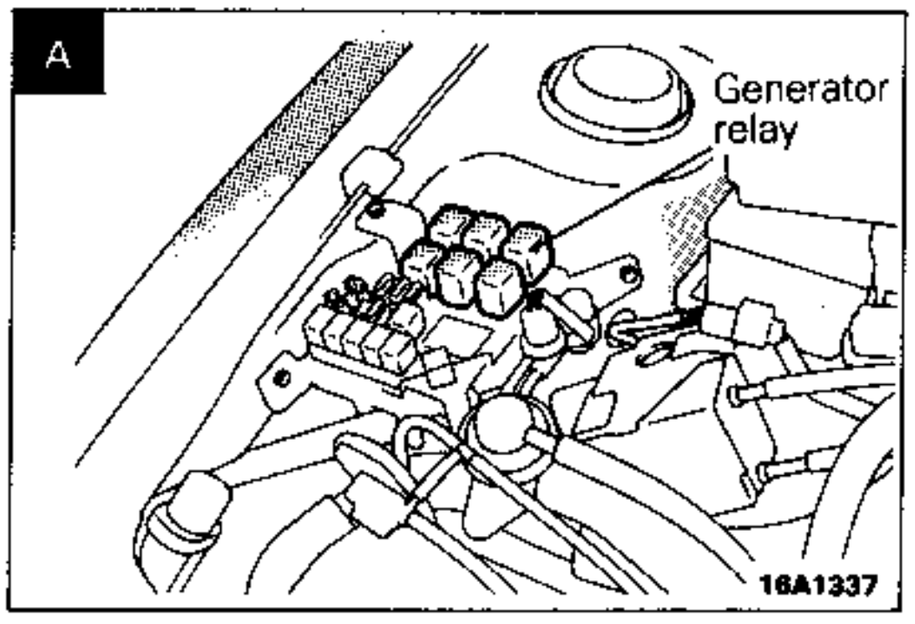
XJ3S-AC-V0405-NH

COMPONENT LOCATION

Name	Symbol
Generator relay	A



16A1336



16A1337

M16EHAP

OPERATION

When engine is stopped

When the ignition switch is switched to the "ON" position, electricity flows from the "L" terminal of the generator to the field coil, and at the same time the charging warning light illuminates.

When engine is being started/has started

When the engine is started, charging voltage is applied to the "L" terminal of the generator, with the result that the charging warning light is extinguished. In addition, because battery voltage is applied to the "S" terminal of the generator, this battery voltage is monitored at the IC voltage regulator, thus switching ON and OFF the current to the field coil and thereby controlling the amount of generation by the generator.
Power is supplied to each load from the "B" terminal of the generator.

NOTE
The generator relay functions as a back-up for the flow of electricity to the field coil if there is a disconnection or damaged wiring of the charging warning light.

TROUBLESHOOTING HINTS

1. Charging indicator light does not go on when the ignition switch is turned to "ON", before the engine starts.
   - Check the bulb
2. Charging indicator light fails to go off once the engine starts.
   - Check the IC voltage regulator (located within the generator).
3. Discharged or overcharged battery.
   - Check the IC voltage regulator (located within the generator).
4. The charging warning light illuminates dimly.
   - Check the diode (within the combination meter) for a short-circuit.

TSB Revision

TORQUE SPECIFICATIONS

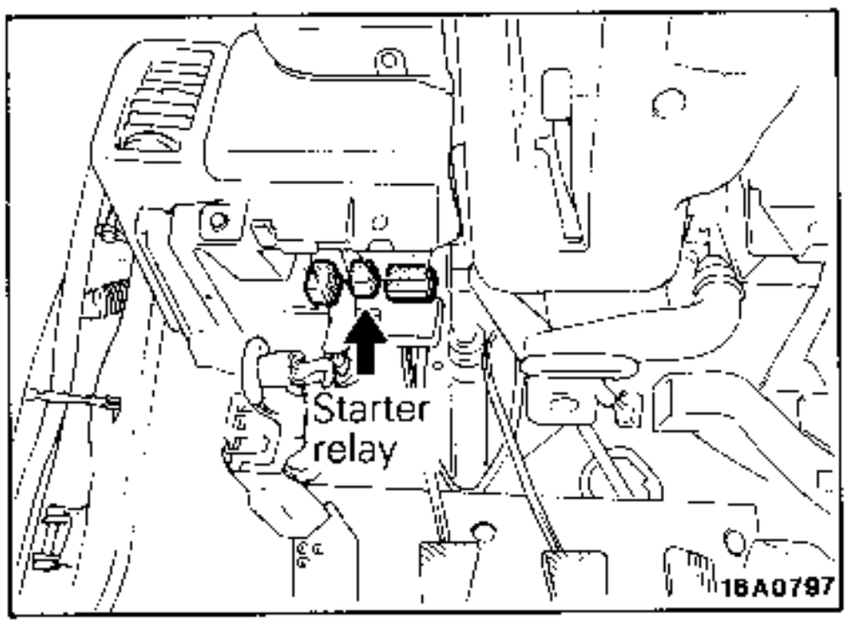
M16FD--

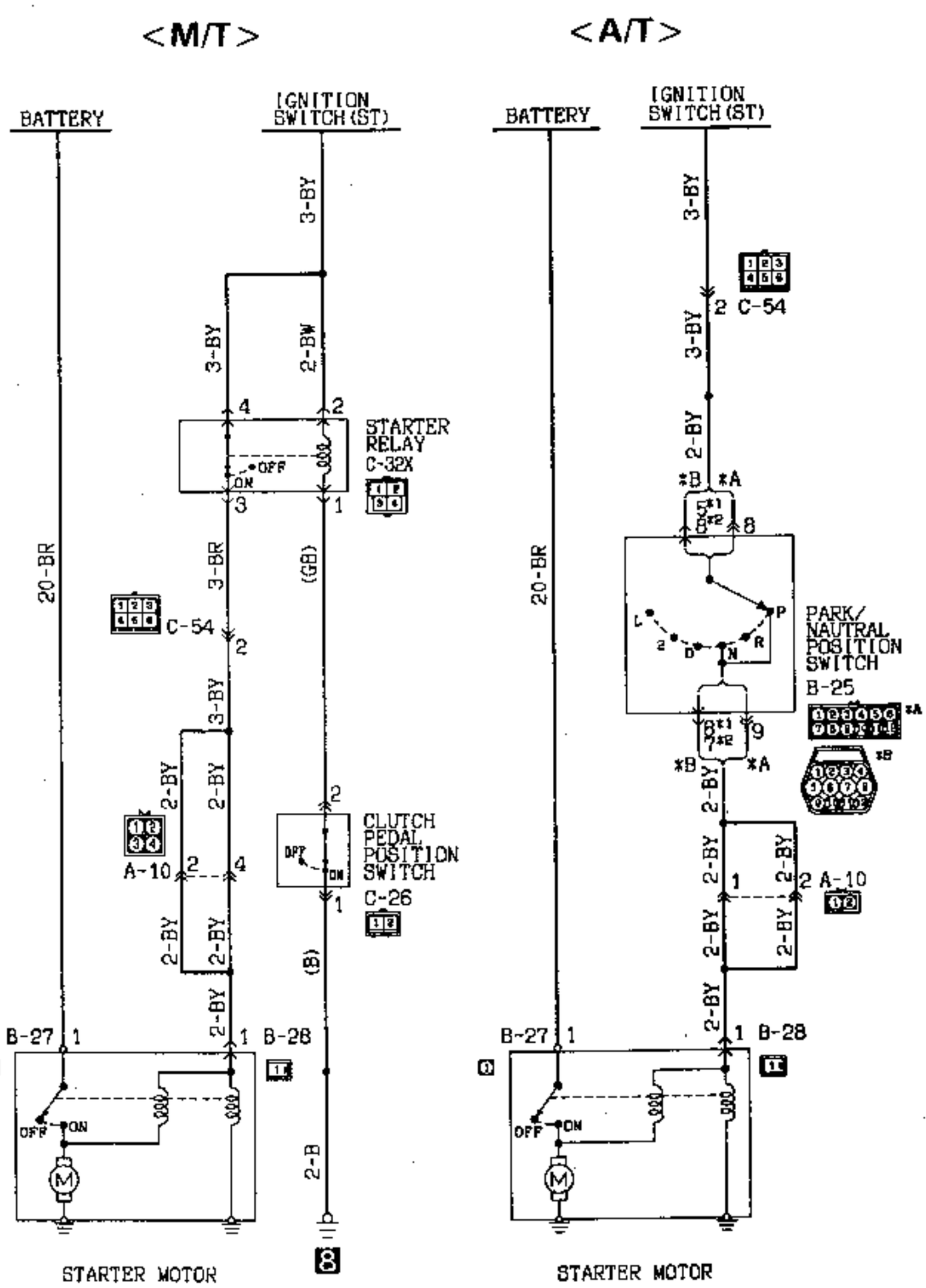
Items	Nm	ft.lbs.
Starter motor mounting bolts	27–34	20–25
Starter wiring harness connector mounting nut	10–16	7–11
Battery holder mounting bolts	2–3	1.5–2
Battery tray mounting bolts	9–14	6–10
Intake manifold stay mounting bolts	18–25	13–18

TROUBLESHOOTING

M16FHAFb

CIRCUIT DIAGRAM





KX35-AC-U0209-10N

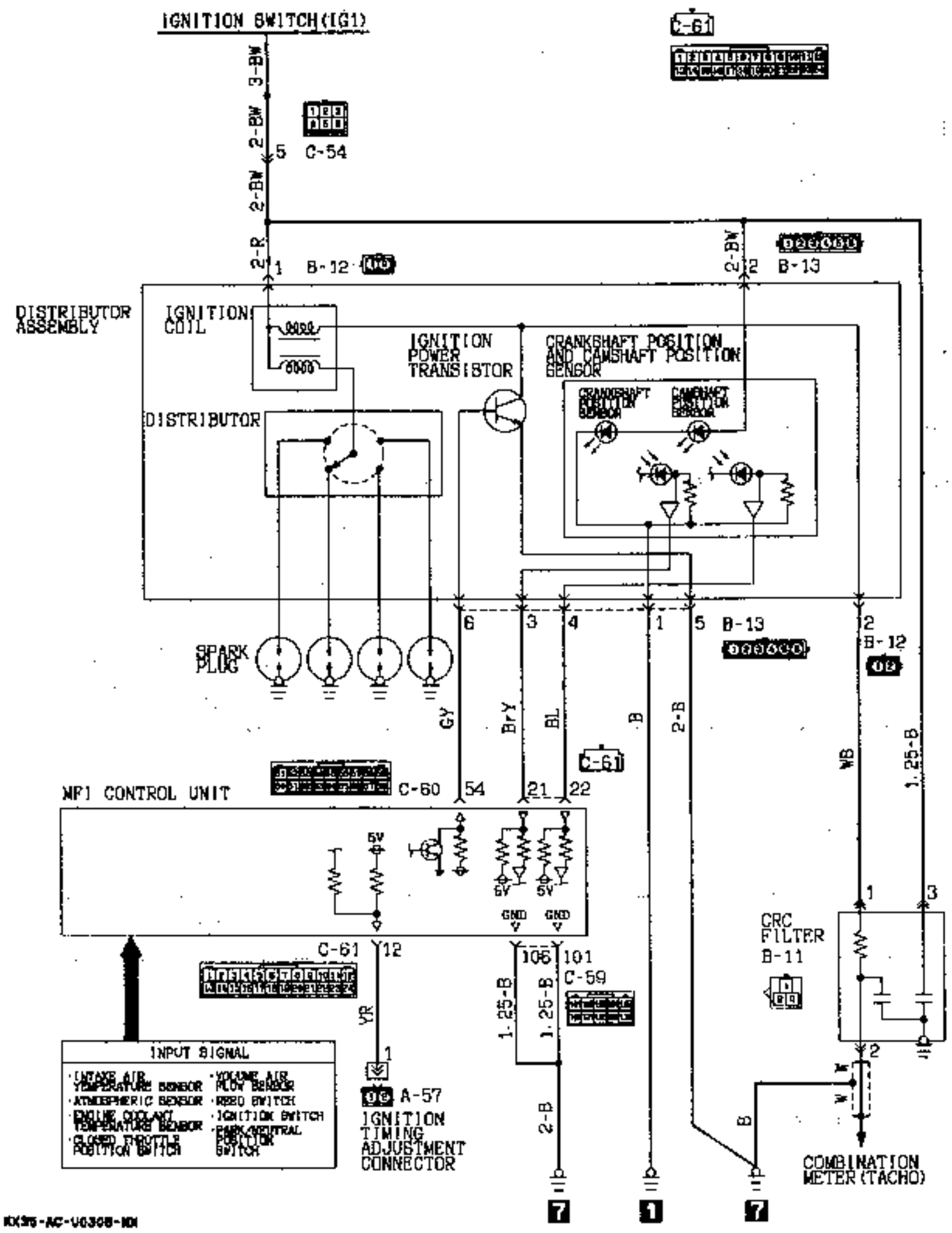
TSB Revision

TROUBLESHOOTING

M16GHAJ

CIRCUIT DIAGRAM

<1.8L Engine>



OPERATION

<1.8L Engine>

- When the ignition switch is turned to "ON", battery voltage is applied to the ignition coil primary winding.
- As the distributor shaft rotates, ignition signals are transmitted from the multiport injection control unit to the ignition power transistor.
- These signals activate the ignition power transistor to cause ignition coil primary winding current to flow from the ignition coil negative terminal through the ignition power transistor to ground or be interrupted, repeatedly.
- This action induces high voltage in the secondary winding of the ignition coil. From the ignition coil, the secondary winding current produced flows through the distributor and spark plug to ground, thus causing ignition in each cylinder.

<2.0L DOHC Engine>

- When the ignition switch is turned to "ON", battery voltage is applied to the ignition coil primary winding.
- As the crankshaft position sensor shaft rotates, ignition signals are transmitted from the multiport injection control unit to the ignition power transistor.
- These signals activate the ignition power transistor to cause ignition coil primary winding current to flow from the ignition coil negative terminal through the ignition power transistor to ground or be interrupted, repeatedly.
- This action induces high voltage in the secondary winding of the ignition coil. From the ignition coil, the secondary winding current produced flows through the spark plug to ground, thus causing ignition in each cylinder.

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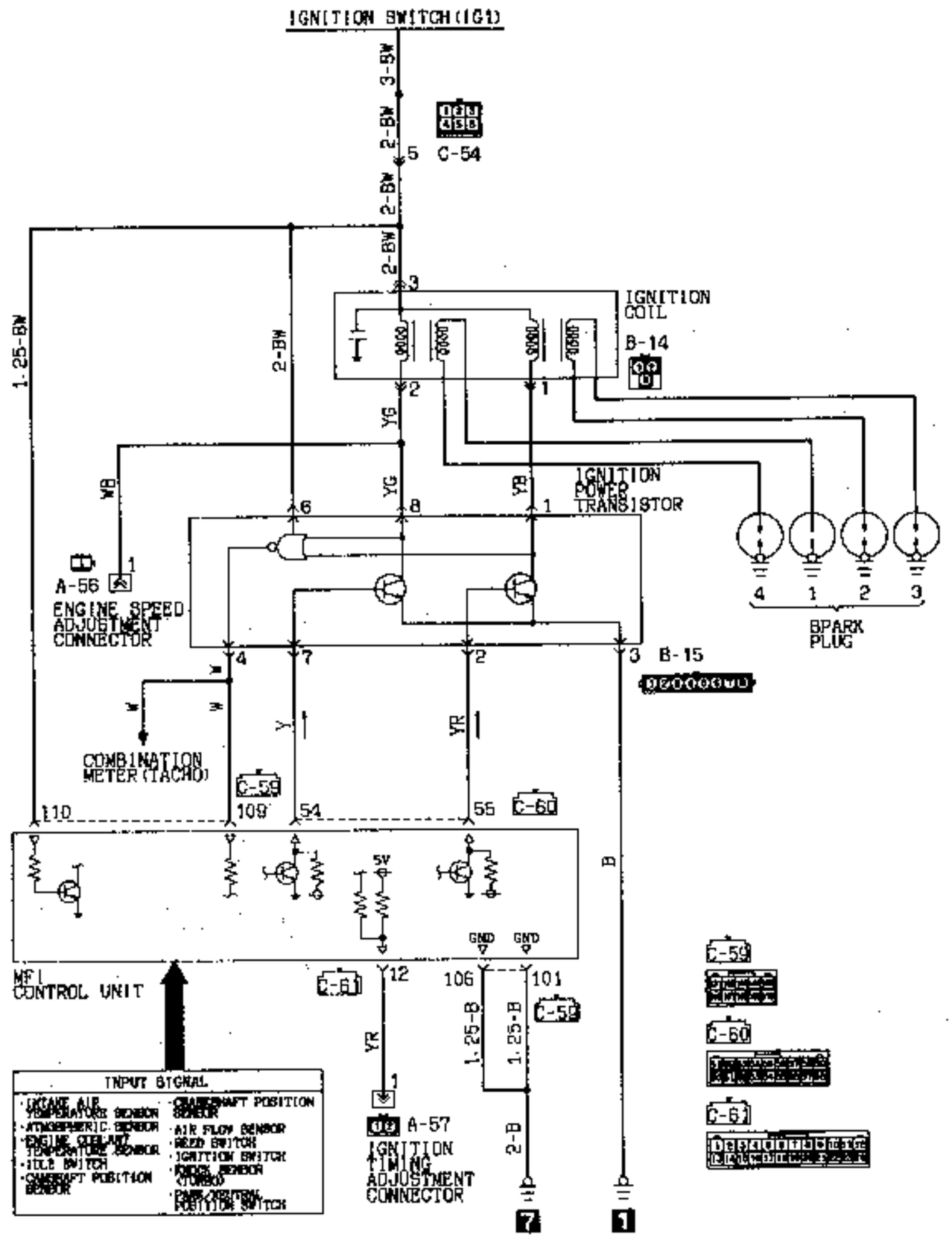
<2.0L DOHC Engine>



EX35-AC-UC000-EN

TROUBLESHOOTING HINTS

1. Engine cranks, but does not start.
   (1) Spark is insufficient or does not occur at all (on spark plug).
   - Check ignition coil.
   - Check distributor. <1.8L Engine>
   - Check crankshaft position sensor. <2.0L DOHC Engine>
   - Check ignition power transistor.
   - Check spark plugs.

   (2) Spark is good.
   - Check ignition timing.
2. Engine idles roughly or stalls
   - Check spark plugs.
   - Check ignition timing.
   - Check ignition coil.
3. Poor acceleration
   - Check ignition timing.
4. Engine overheats or consumes excessive fuel
   - Check ignition timing.

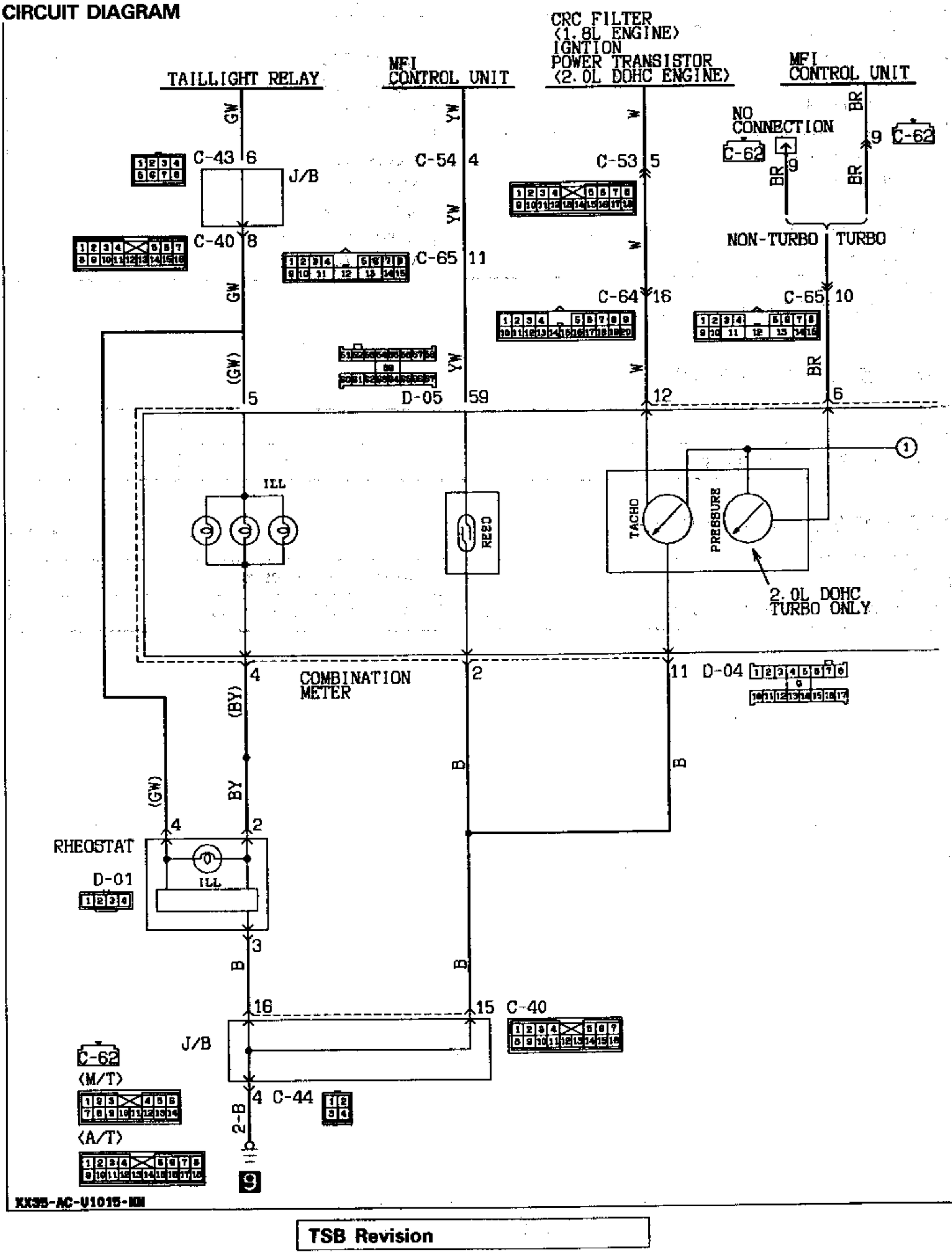
TSB Revision

TROUBLESHOOTING

M54HHAT

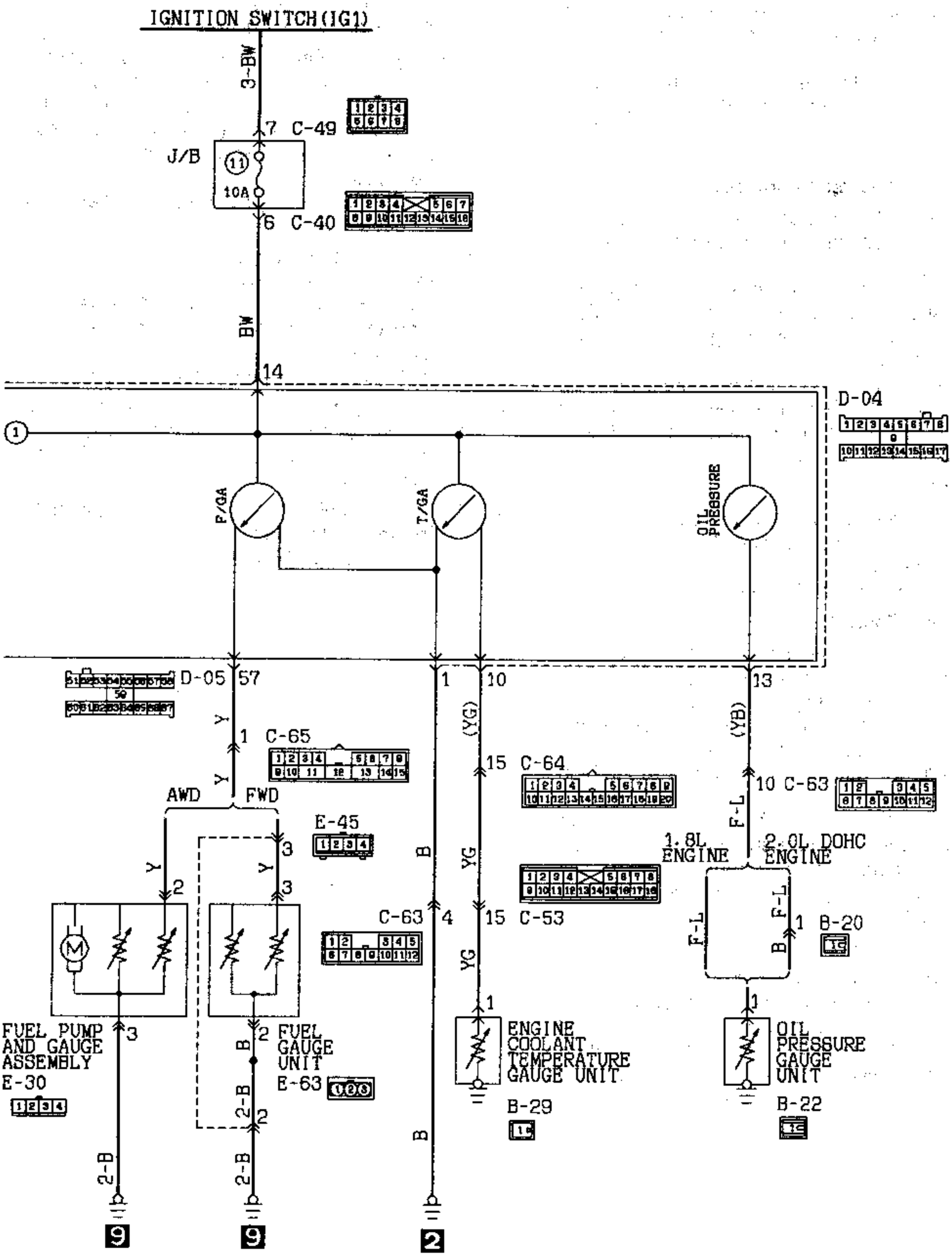
METER AND GAUGES CIRCUIT

CIRCUIT DIAGRAM



XX35-AC-U1015-NM

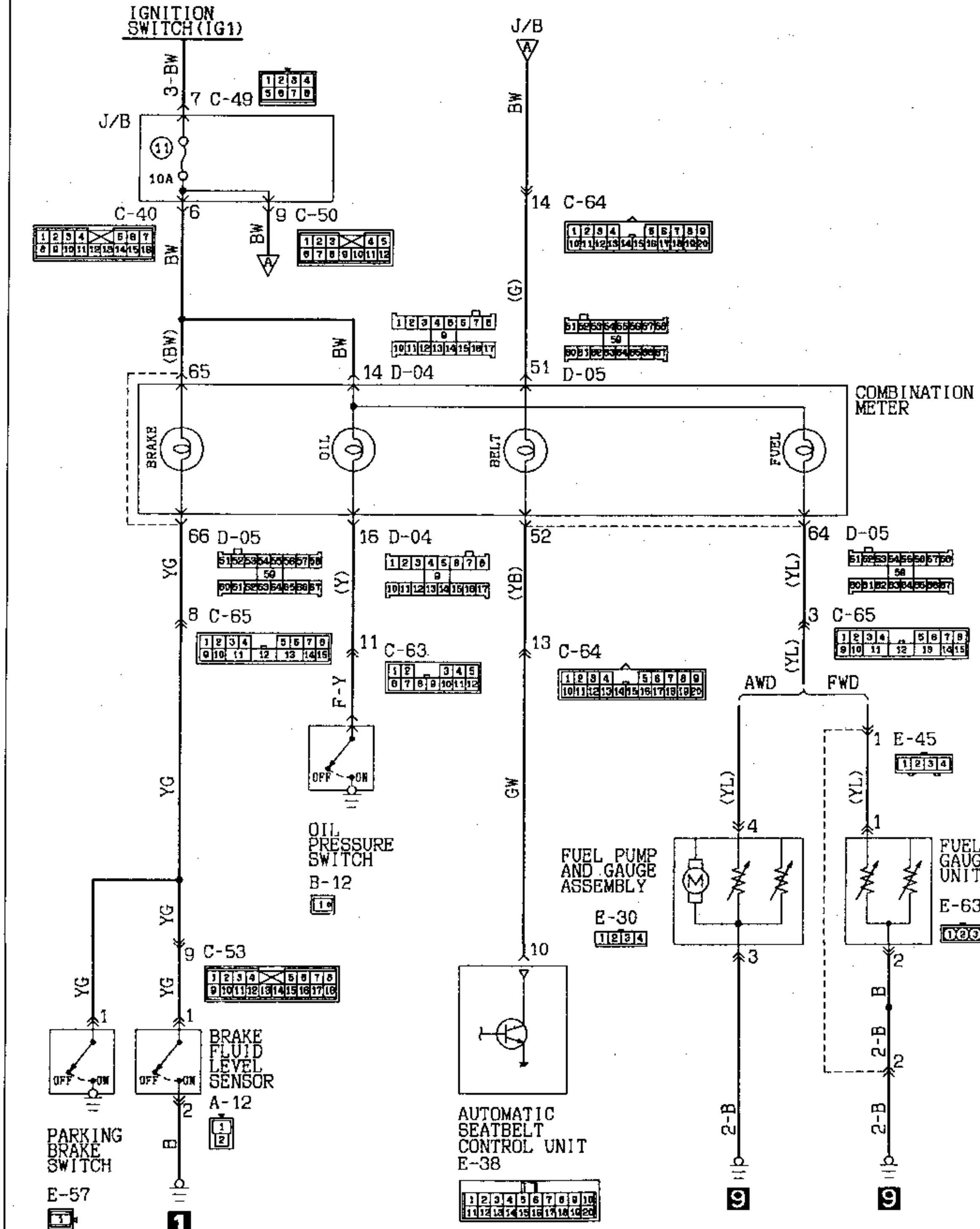
TSB Revision



TSB Revision

BRAKE WARNING LIGHT, OIL PRESSURE WARNING LIGHT, SEAT BELT WARNING LIGHT AND FUEL WARNING LIGHT CIRCUIT

CIRCUIT DIAGRAM



XX35-AC-U1018-NDI

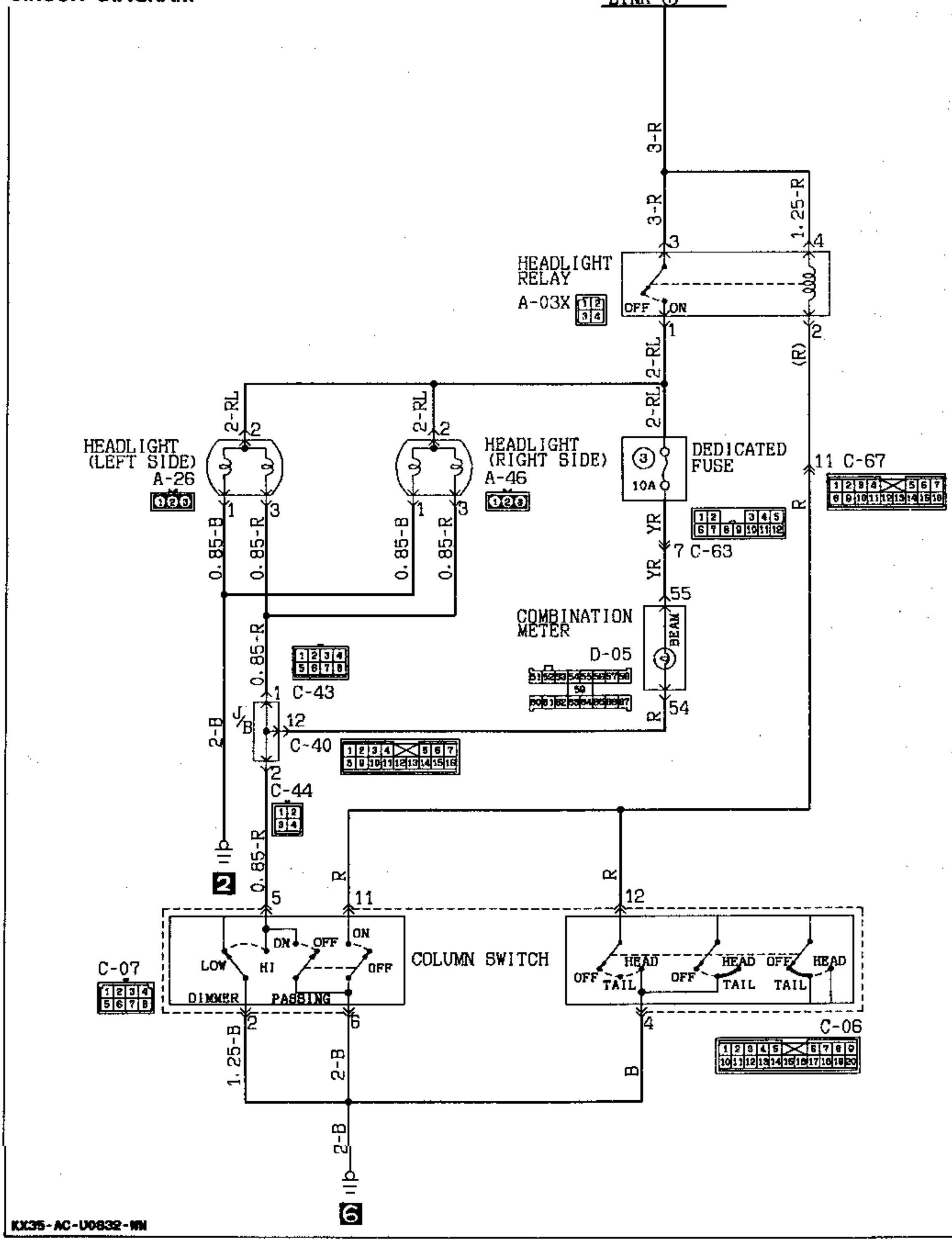
TSB Revision

TROUBLESHOOTING

M1541BT

HEADLIGHT

CIRCUIT DIAGRAM



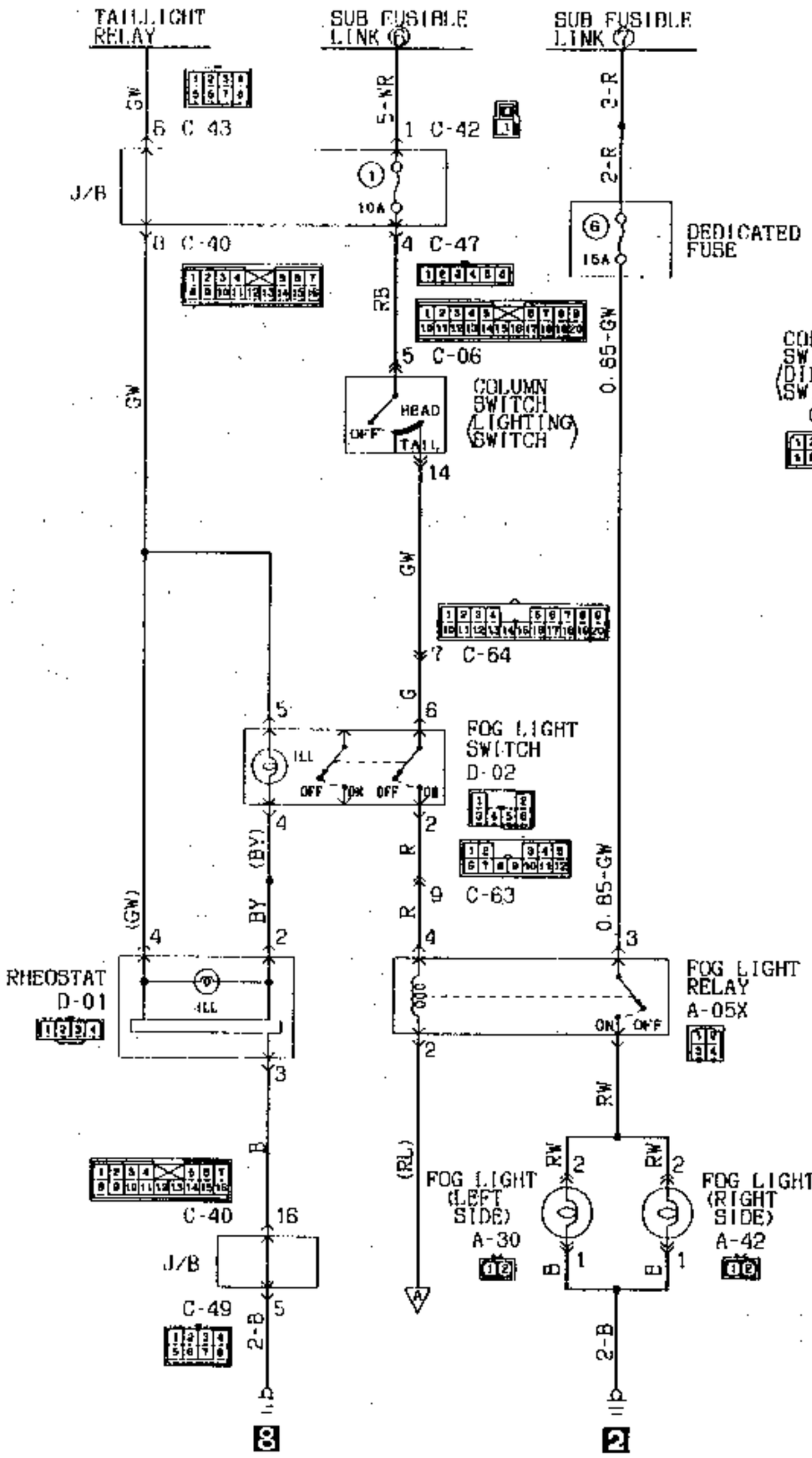
KX35-AC-U0832-WN

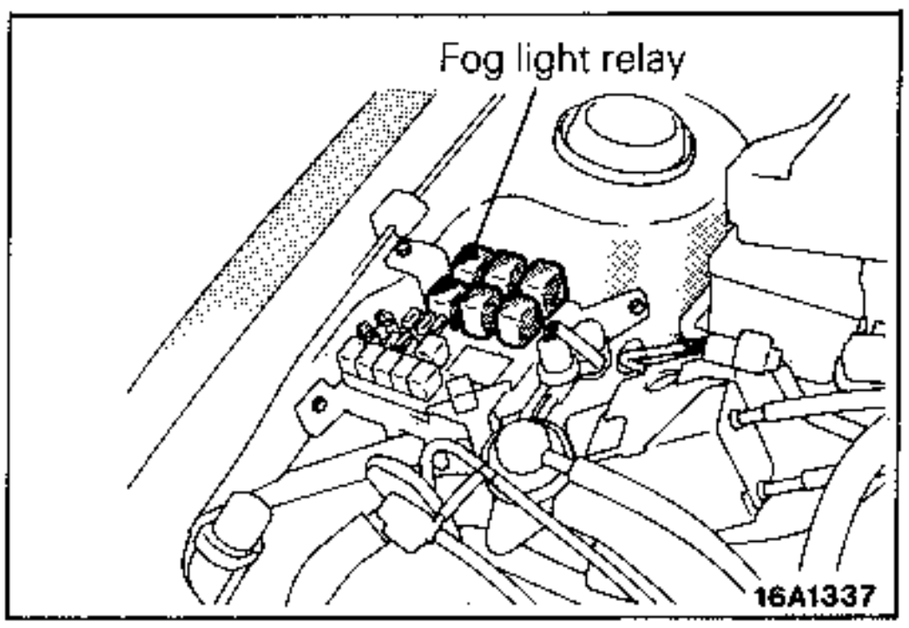
TSB Revision

FOG LIGHT

M54IHKD

CIRCUIT DIAGRAM





EX35-AC-00622-NM

OPERATION

M161HIA

- Set the lighting switch to the "HEAD" position.
- If the fog light switch is set at the "ON" position when the dimmer switch is at the "low" position, current flows through the multi-purpose fuse, lighting switch, fog light switch, fog light relay, dimmer switch, and ground, causing the fog light relay contacts to close.
- Once the fog light relay contacts have closed, current flows through the dedicated fuse, fog light relay (contacts), fog lights, and ground, causing the fog lights to go on.

TROUBLESHOOTING HINTS

1. The right or left fog lights only go on
   - Check the bulb.
2. Fog lights do not go on when the fog light switch is set at "ON".
   - Check the dedicated fuse ⑥.

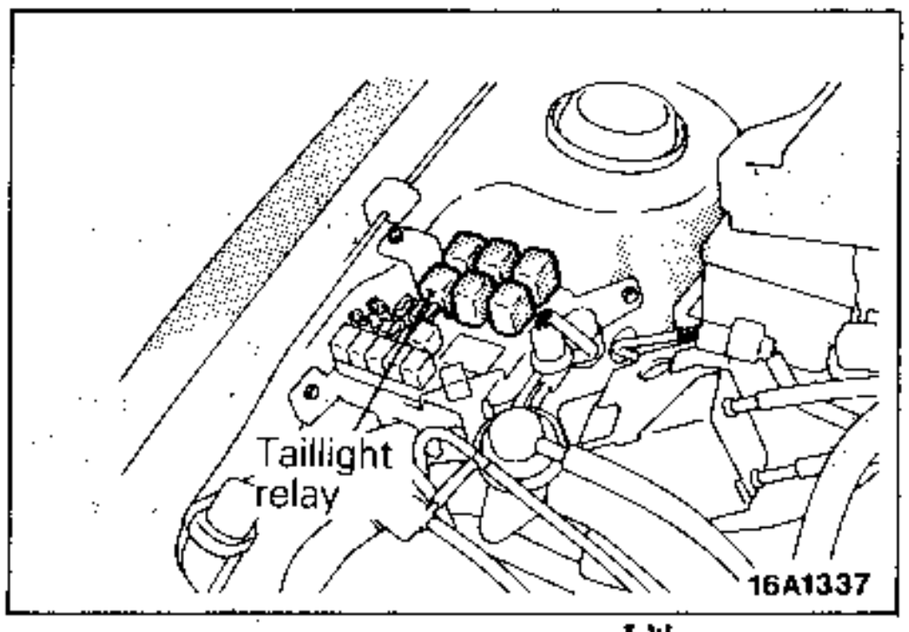
NOTE
For information concerning the fog light relay, refer to P.54-43.

TSB Revision

TAIL LIGHT, POSITION LIGHT, SIDE MARKER LIGHT AND LICENSE PLATE LIGHT

M541HC1

CIRCUIT DIAGRAM



KX35-AC-U0824-MK

OPERATION

- The tail light relay is switched ON when the lighting switch is set to the "TAIL" or "HEAD" position.
- As a result, electricity flows via dedicated fuse No.① to each light, and each light illuminates.

TROUBLESHOOTING HINTS

1. All lights do not illuminate.
   (1) The headlights also do not illuminate.
   - Check sub-fusible link No.⑦.

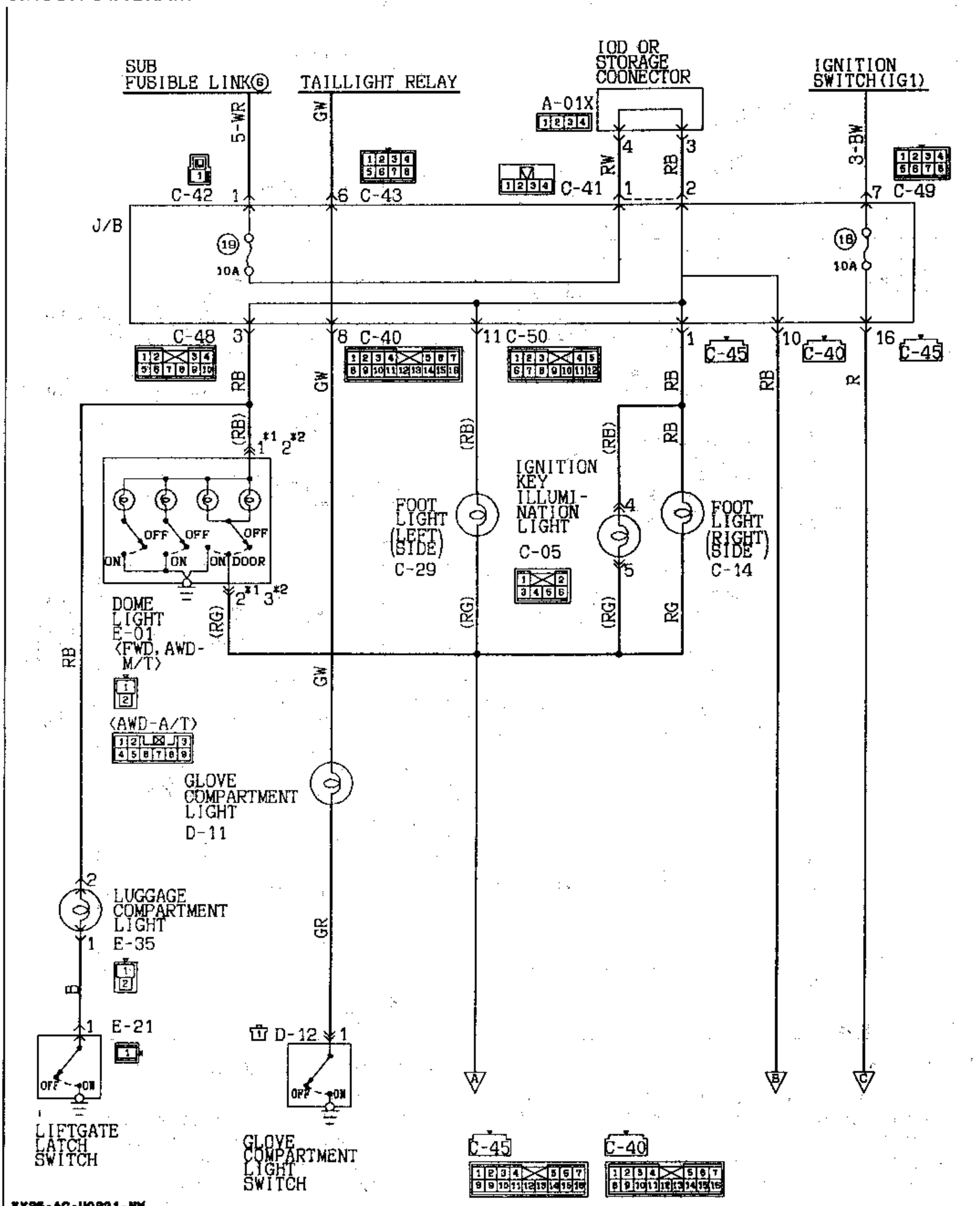
   (2) The headlights illuminate.
   - Check the tail light relay.
   - Check dedicated fuse No.①.

TSB Revision

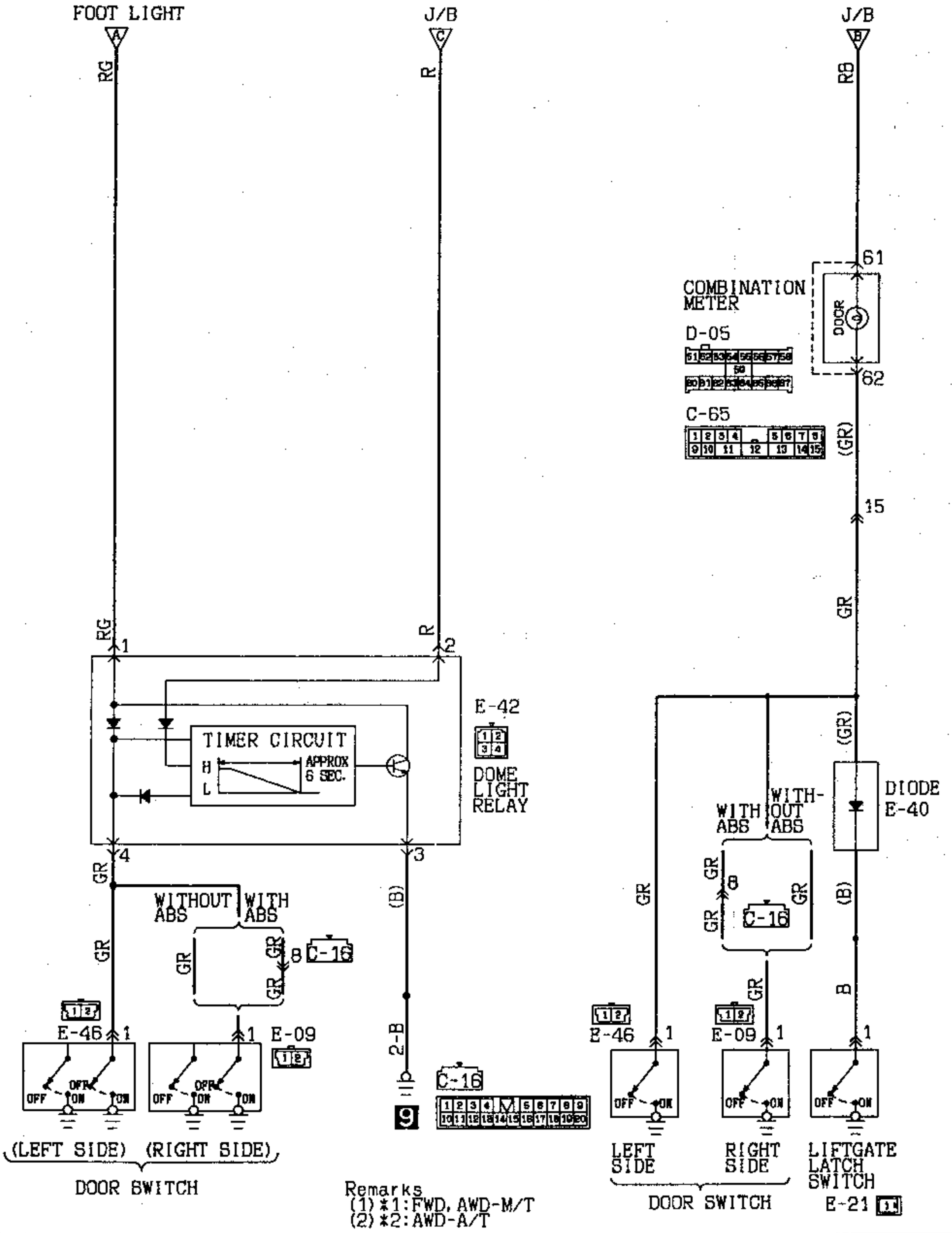
DOME LIGHT, IGNITION KEY ILLUMINATION LIGHT, FOOT LIGHT, GLOVE COMPARTMENT LIGHT, DOOR-AJAR WARNING LIGHT AND LUGGAGE COMPARTMENT LIGHT CIRCUIT

M541HEN

CIRCUIT DIAGRAM



TSB Revision

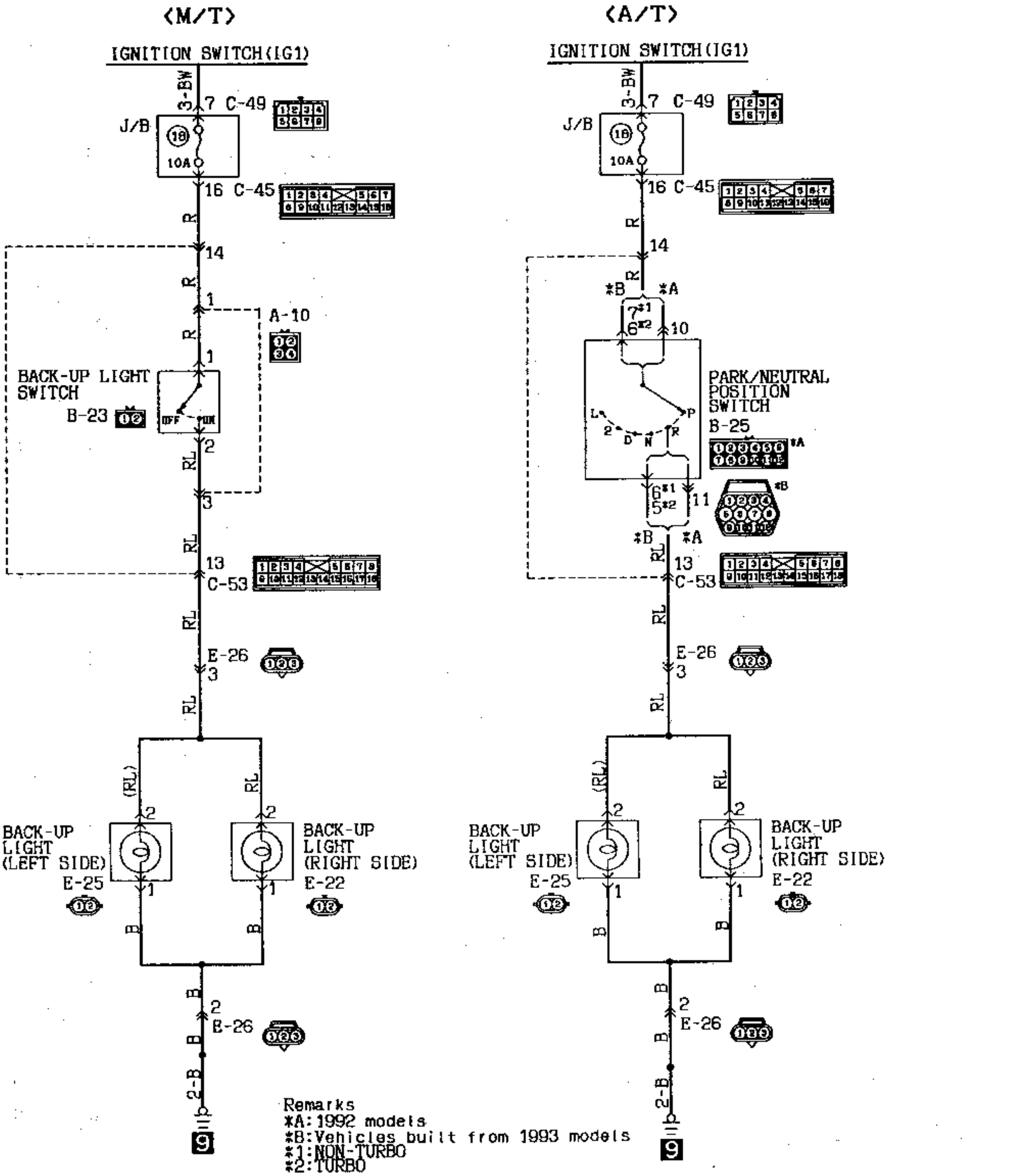


Remarks
(1) *1: FWD, AWD-M/T
(2) *2: AWD-A/T

TSB Revision

BACK-UP LIGHT CIRCUIT

CIRCUIT DIAGRAM



OPERATION

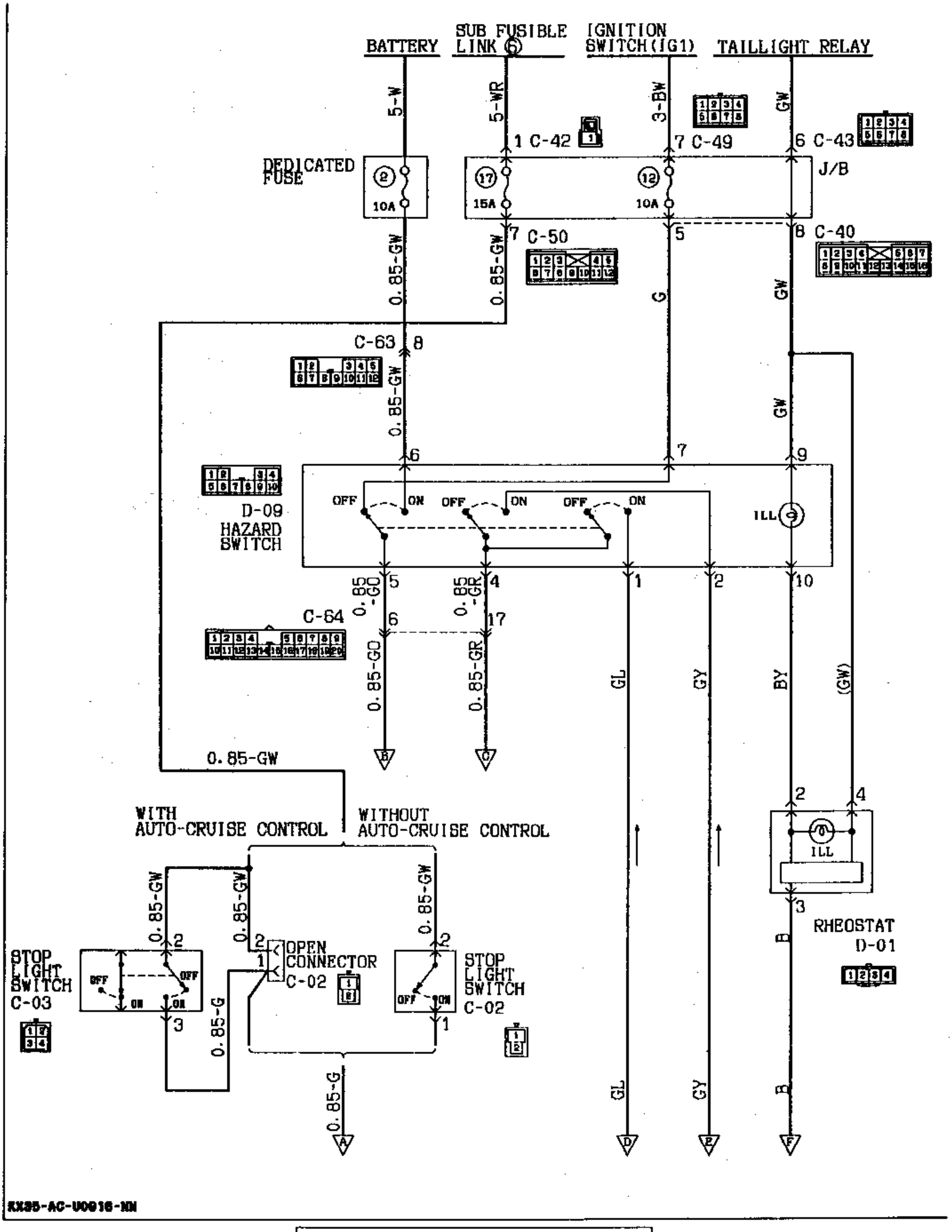
- When, with the ignition switch at the "ON" position, the shift lever (or the selector lever) is moved to the "R" position, the back-up light switch (M/T) is switched ON [or the park/neutral position switch (A/T) is switched to the "R" position], and the back-up light illuminates.

TSB Revision

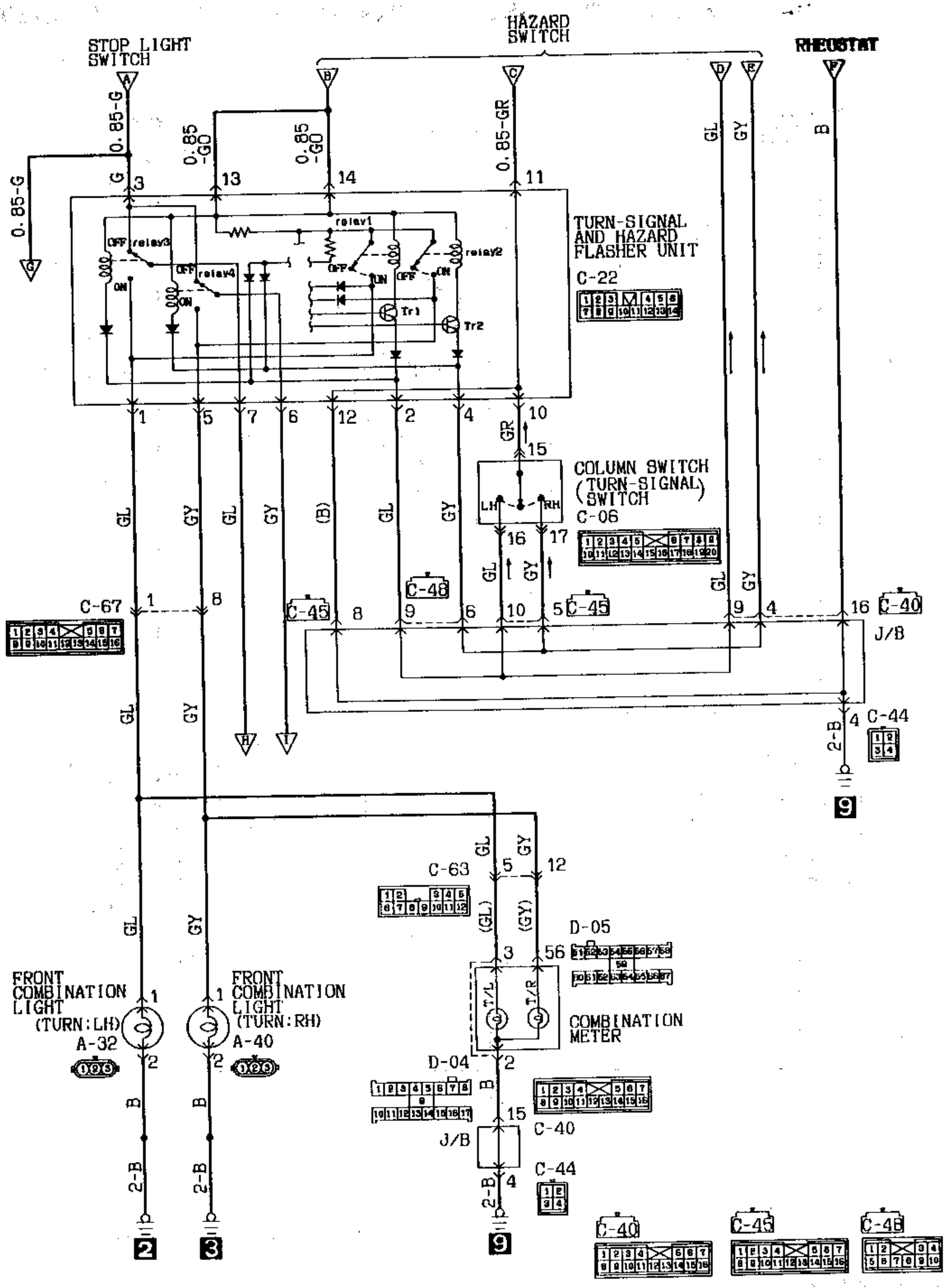
TURN-SIGNAL LIGHT, HAZARD LIGHT AND STOP LIGHT CIRCUIT

M6400QL

CIRCUIT DIAGRAM

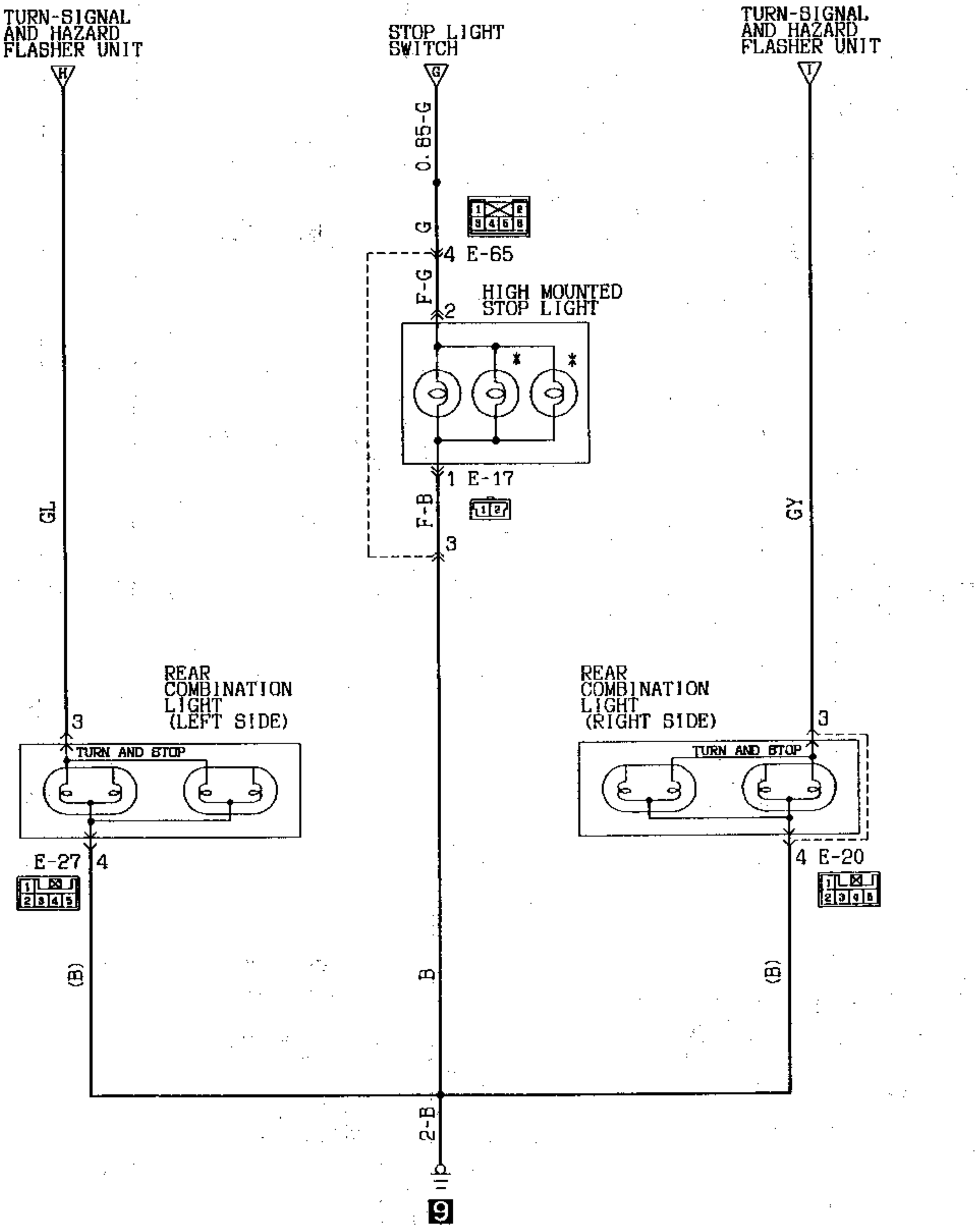


TSB Revision



TSB Revision

TURN-SIGNAL LIGHT, HAZARD LIGHT AND STOP LIGHT CIRCUIT (CONTINUED)



Remark
·*indicates vehicles with rear spoiler

KX35-AC-U0918A-NM

TSB Revision

HORN

SPECIFICATIONS

GENERAL SPECIFICATIONS

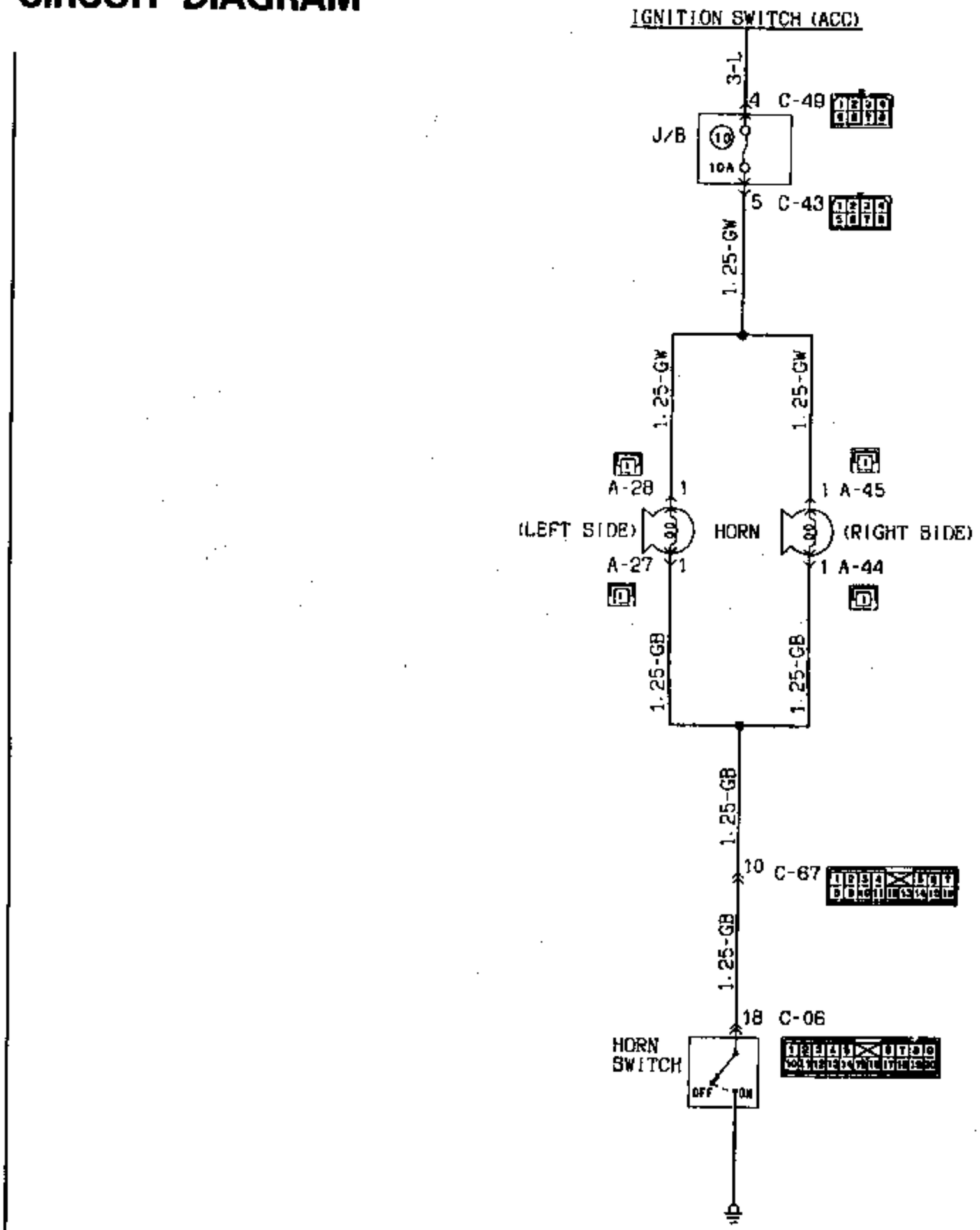
M54LB–

Items	Specifications
Type	Flat type
Effective sounding voltage V	11.5–15
Power consumption A	3.0
Sound level dB	
"low" sound	100–112
"high" sound	100–112
Fundamental frequency Hz	
"low" sound	370
"high" sound	415

TROUBLESHOOTING

M54LHAEa

CIRCUIT DIAGRAM



TSB Revision

CIGARETTE LIGHTER

SPECIFICATIONS

GENERAL SPECIFICATIONS

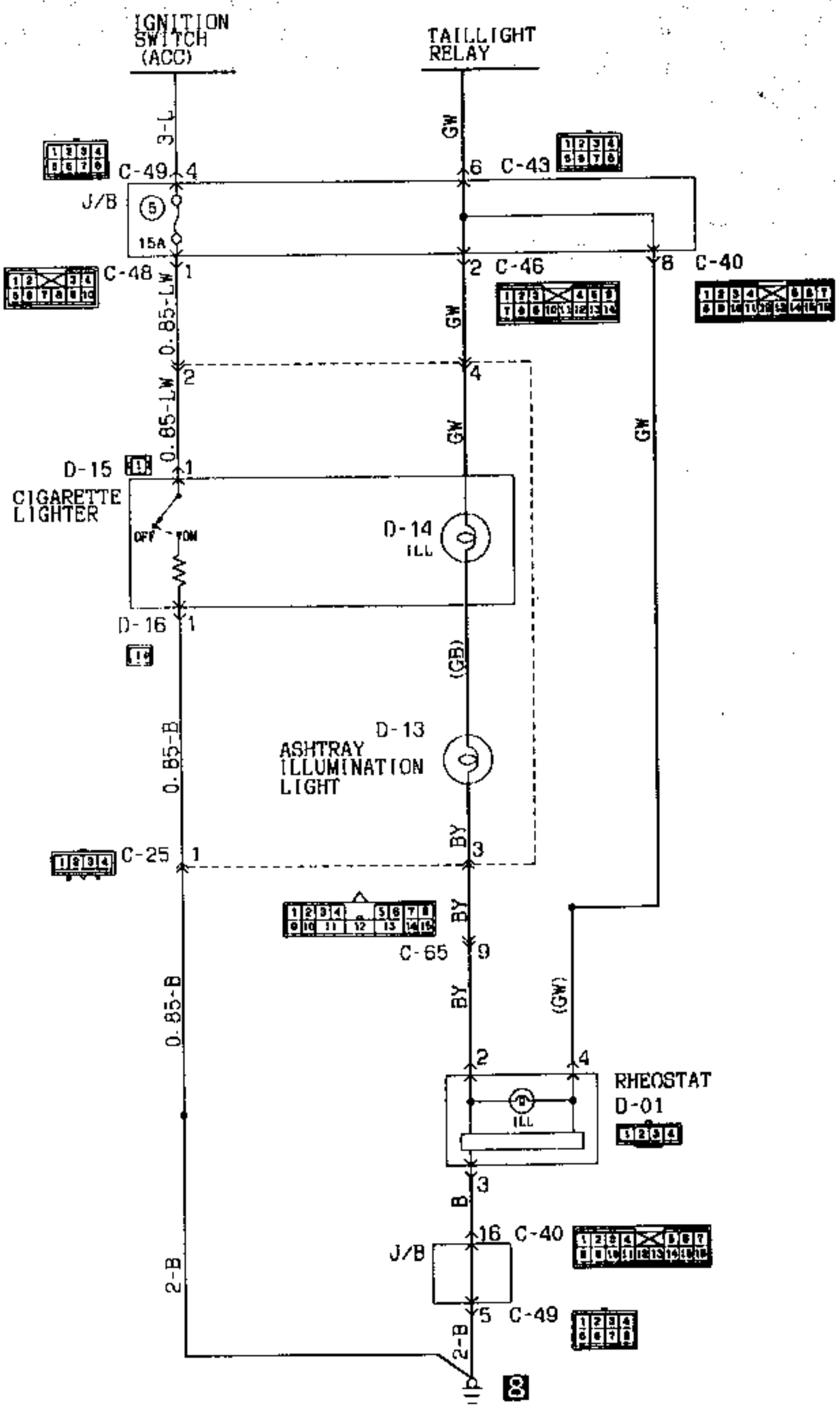
M54MB-

Items		Specifications
Max. input	W	120
Reset time	second	Within 18
Thermal fuse fusion temperature	°C (°F)	180–250 (356–482)

TROUBLESHOOTING

CIRCUIT DIAGRAM

M54MHCA



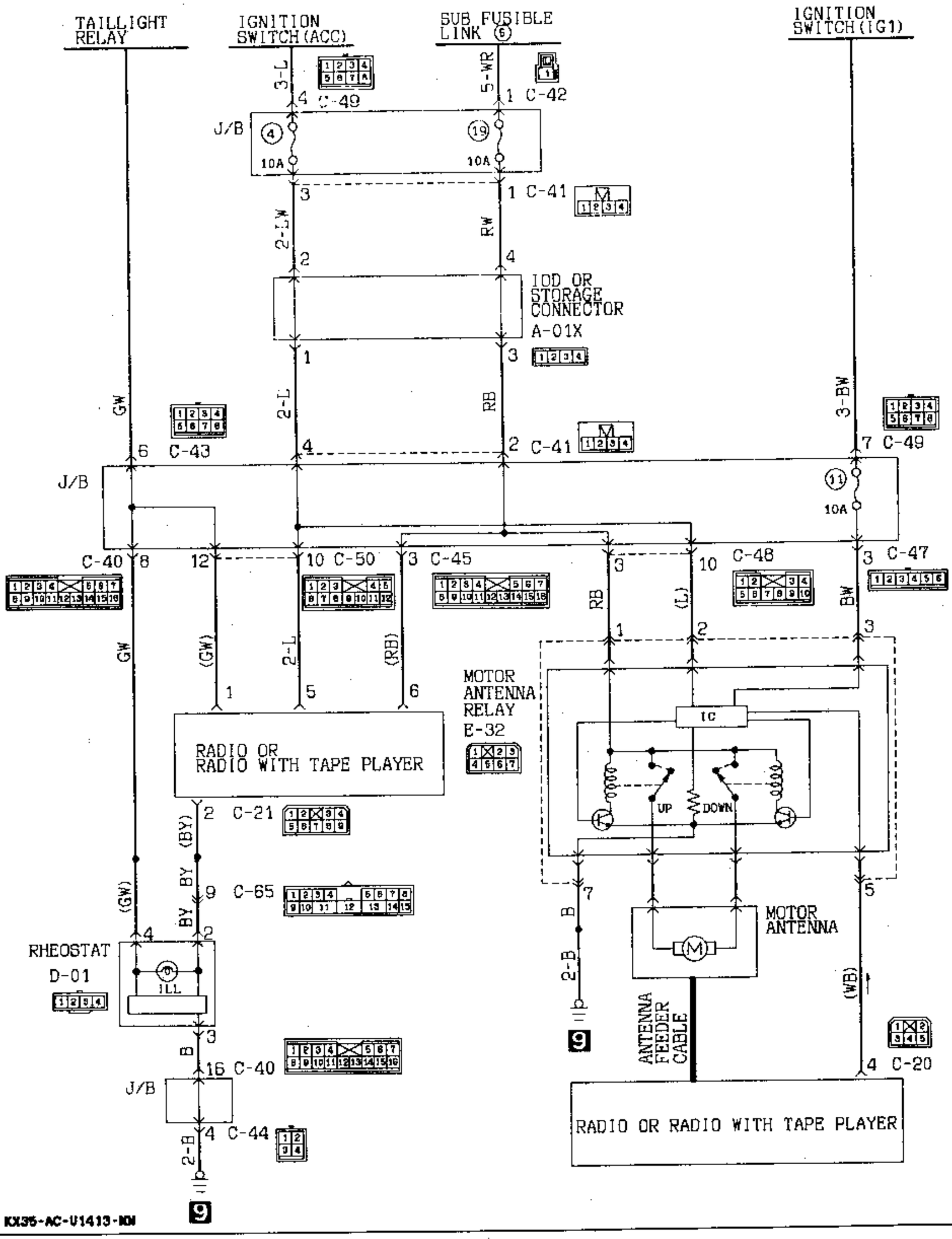
KX35-AC-U1410-MX

TSB Revision

TROUBLESHOOTING

M54NHANa

AUDIO CIRCUIT DIAGRAM



OPERATION

- When the radio power switch is turned on with the ignition switch at "ACC" or "ON", current flows through fuse No.4, radio, and ground, causing the radio to operate.
- Battery voltage is always supplied for use of the memory and other functions in the radio.

TSB Revision

Remark
·The connector indicated by the * symbol is applicable to vehicles with ABS.

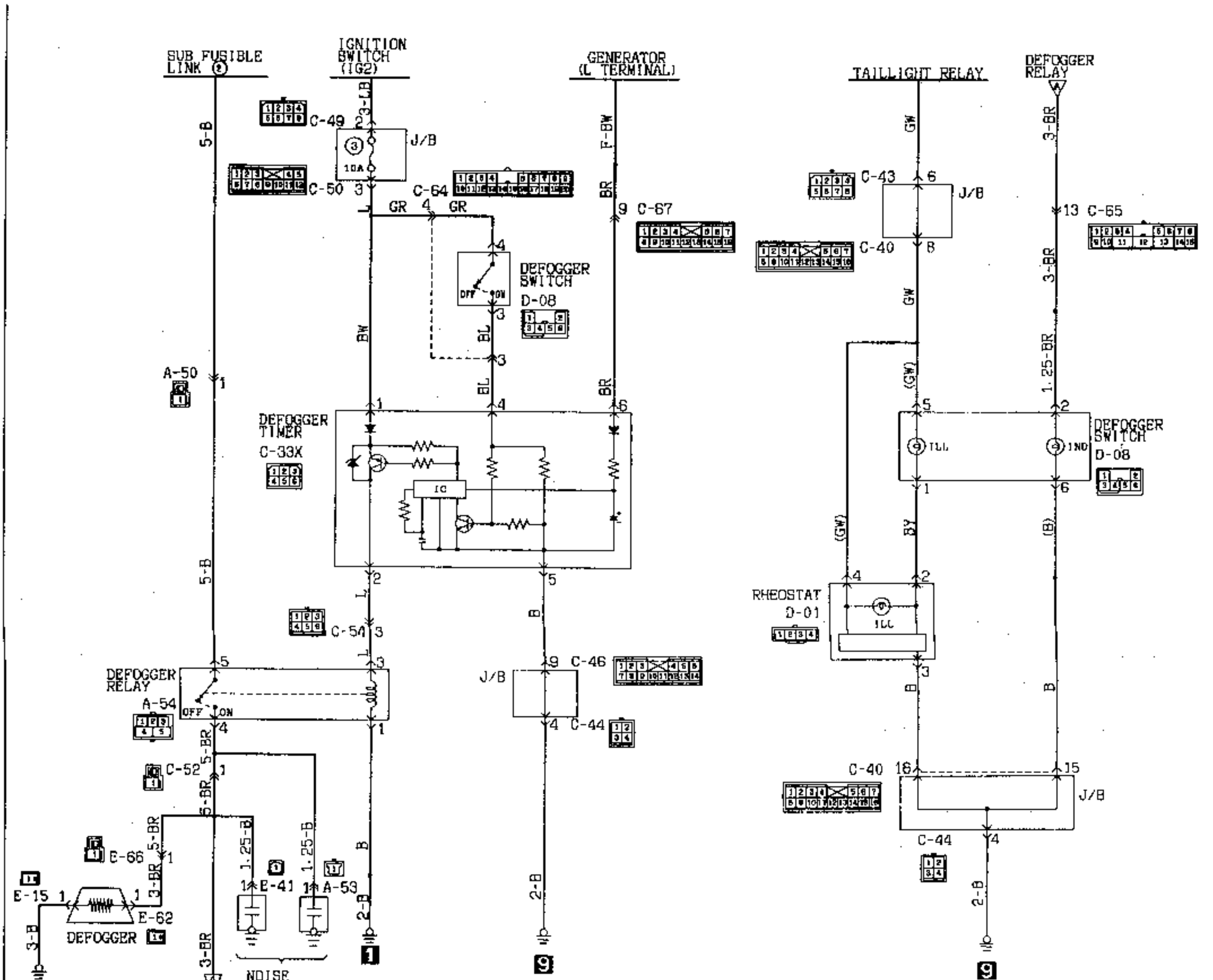
TSB Revision

REAR WINDOW DEFOGGER

TROUBLESHOOTING

M54PHBG

CIRCUIT DIAGRAM



RX3S-AC-U1313-1M

OPERATION

- When the defogger switch is turned ON with the ignition switch in ON position, the defogger relay is energized causing defogger to operate.
- At the same time, the defogger indicator light lights up indicating that the defogger is in operation.
- The defogger timer keeps the defogger relay remaining energized for 11 minutes after the defogger switch has been turned ON. If the defogger switch is pushed a second time during this 11 min. period, timer is cancelled and the defogger is turned off.

TROUBLESHOOTING HINTS

1. Defogger is inoperative.
   (1) Indicator does not come on, either.
   - Check multi-purpose fuse No. ③.
   - Check defogger relay.

   (2) Indicator comes on.
   - Check defogger.
2. Defogger timer is inoperative.
   - Check defogger timer.

NOTE
For information concerning the defogger relay and defogger timer, refer to P.54-89.

TSB Revision