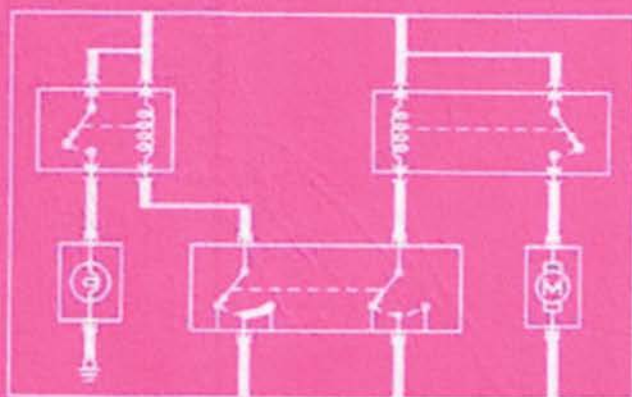
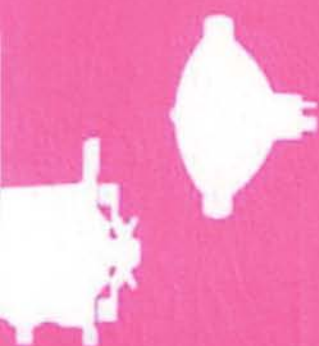


MITSUBISHI MINICAB BRAVO

English Service Manual Full Electrical Version



1990~1998



All Models

Series

**V-U41T
V-U42T
V-U41TP
V-U42TP
V-U41V
V-U42V
V-U43V
V-U44V**

James L. Danko

Mitsubishi MiniCab & Bravo

Factory English Service Manual

“Electrical”

English Full Version

2WD &4WD

ALL Truck & Van 660cc

AT-MT Models

Factory Service Manual Edition

1990 to 1998 Models

Written By,
James L. Danko

Yokohama, Japan
First Edition 2008

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Introduction

Due to the high request for English version manuals on Japanese mini trucks & Vans, we are publishing wide variety information to provide the mini truck community with the ability to maintain their vehicles.

Japanese mini trucks & vans are produced only for the Japanese market. Therefore, all original manuals are only available in Japanese. This is the first of these books written in English.

Service manuals are not sold to the public in Japan, as in many countries. You must be a new car dealer to receive them. We have a few hundred in stock. We do not sell manuals from our own library. We will start publishing them in English (Translated) and our own original versions.

Translating from Japanese is by no way an easy task. It is a very time consuming effort. This book due to its high volume of diagrams took one year to complete.

This book or manual is for the professional mechanic. Simple items as how to change a spark plug, or an air-filter are not in this book. It is written in Factory Service Manual style. It is full of diagrams and schematics that are easily understood by a professional mechanic. How to do an engine overhaul using the correct parts sizes, measurements, torque, etc. Complete diagrams of all major parts, including body. You will have the same information as the Suzuki Factory techs have. This book is written by a mechanic, for mechanics.

We have manuals for all Japanese manufactures. It's a time consuming process, please check our web page frequently as we post more information.

Parts Information and Part Numbers: Part numbers at time of this first publication are accurate and available from Daihatsu Parts Distribution, Japan. These part numbers may or may not be available outside of Japan. Part numbers can be changed at anytime by Daihatsu and should be verified before ordering.

For more information please visit our home page at www.yokohamamotors.com
Comments or information on this book please email to info@yokohamamotors.com

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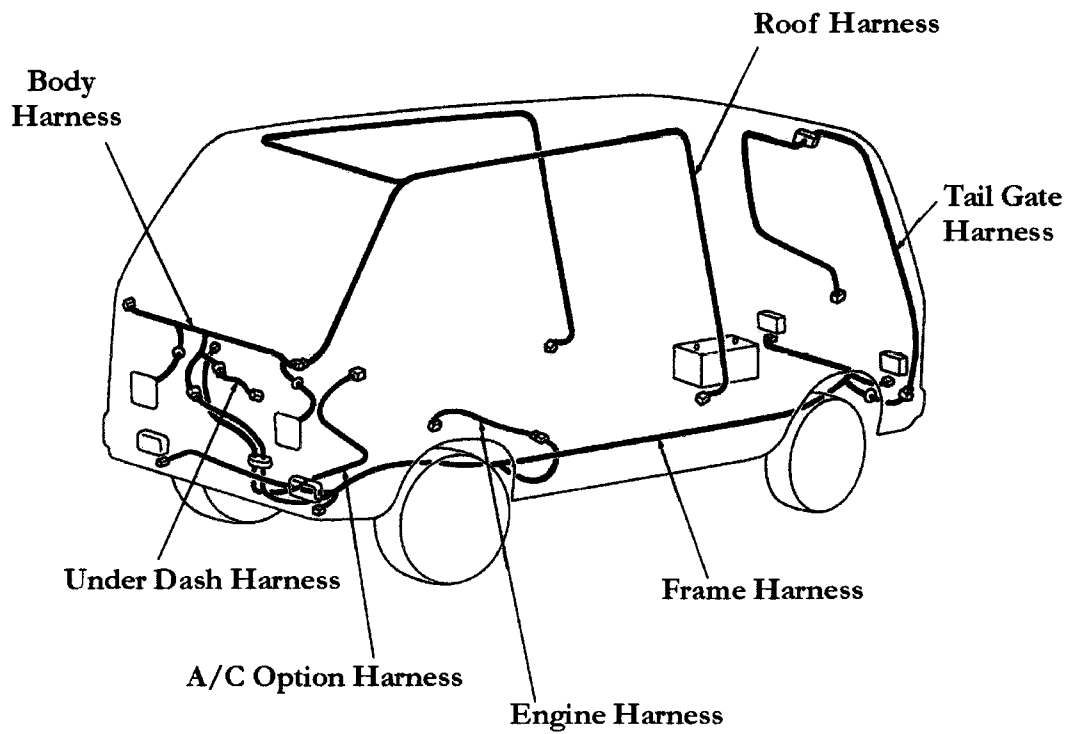
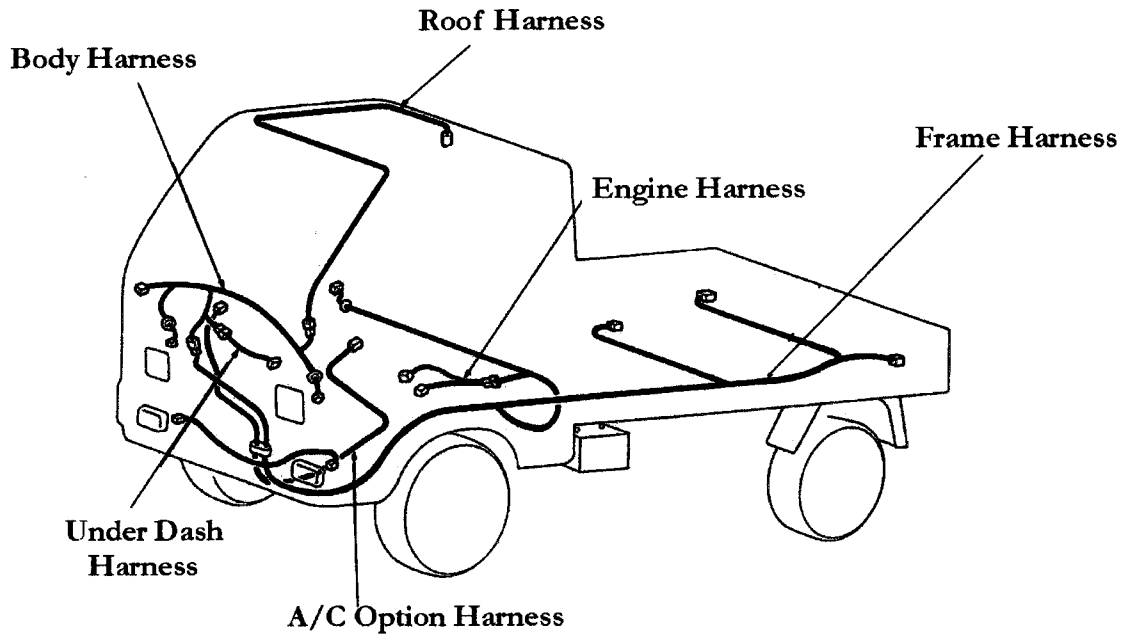
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- 43. Connector "E" Body Roof: Truck
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MiniCab-Bravo

Main Harness Location

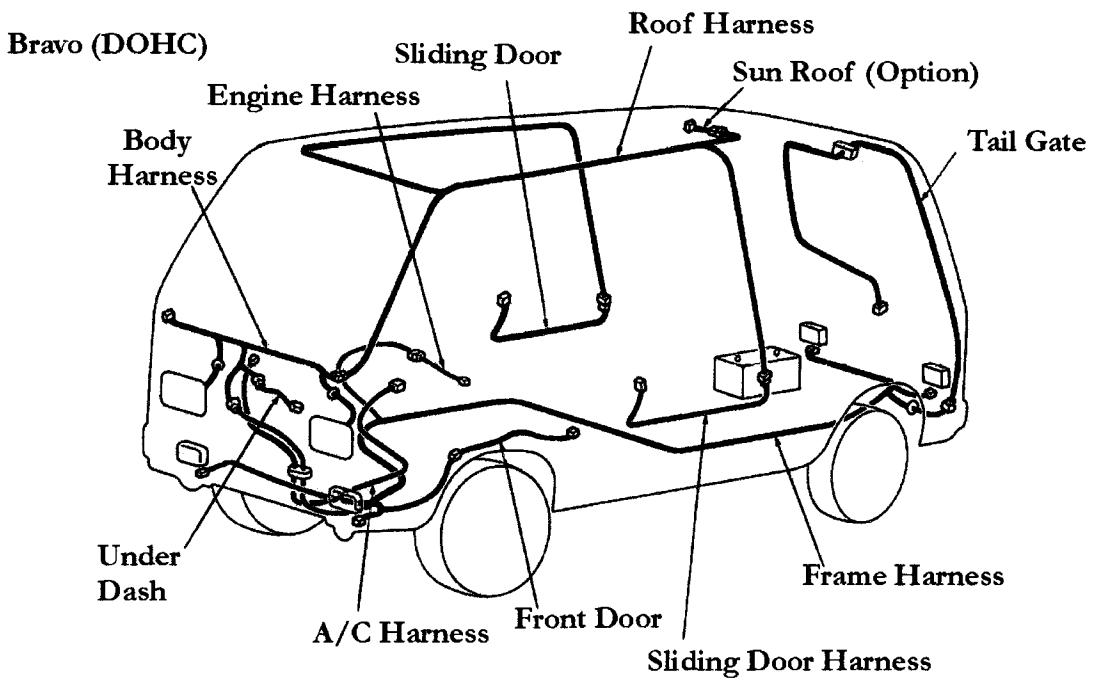
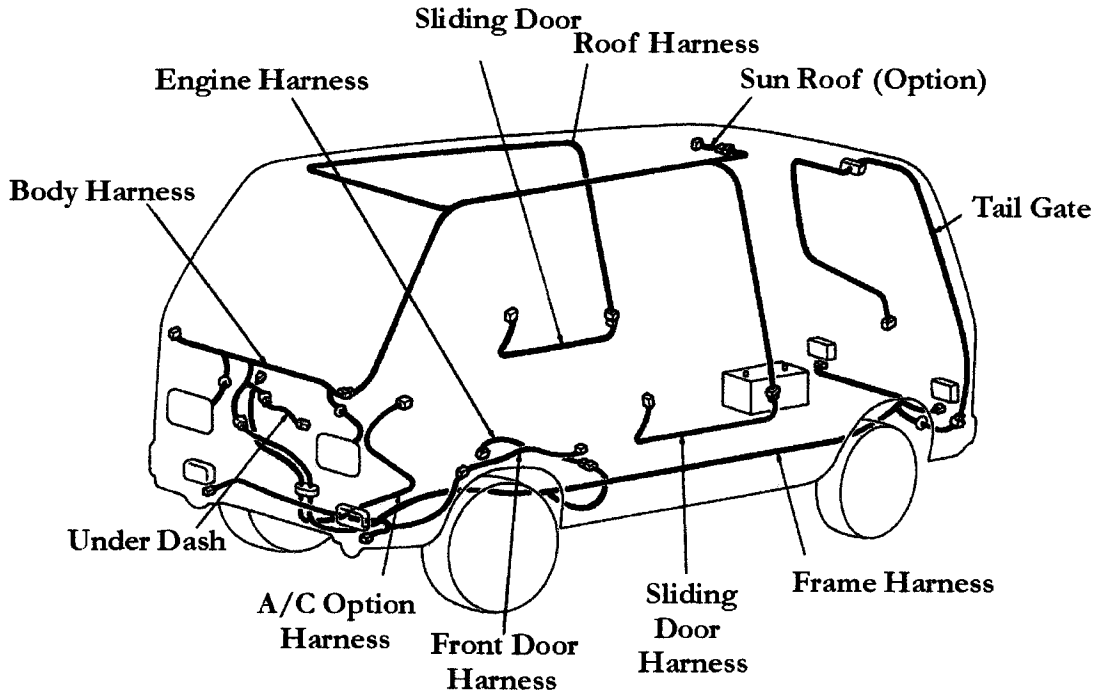
Truck-Dump-Van-Panel Van



MiniCab-Bravo

Main Harness Location

Bravo (SOHC)



MiniCab-Bravo

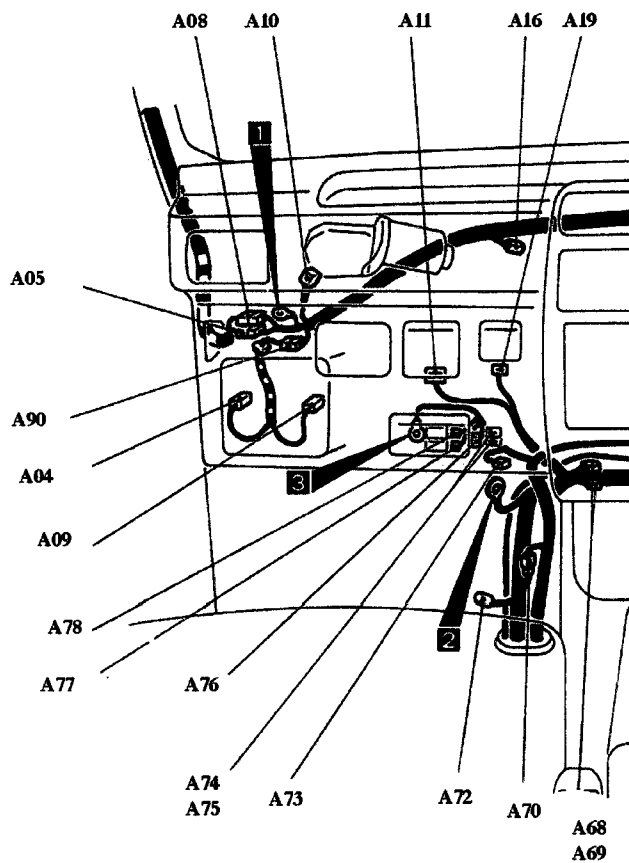
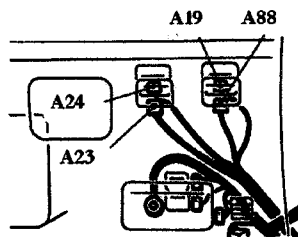
Connector A Location Part 1

Dash Panel

Truck-Dump-Panel Van

A

Dump Option



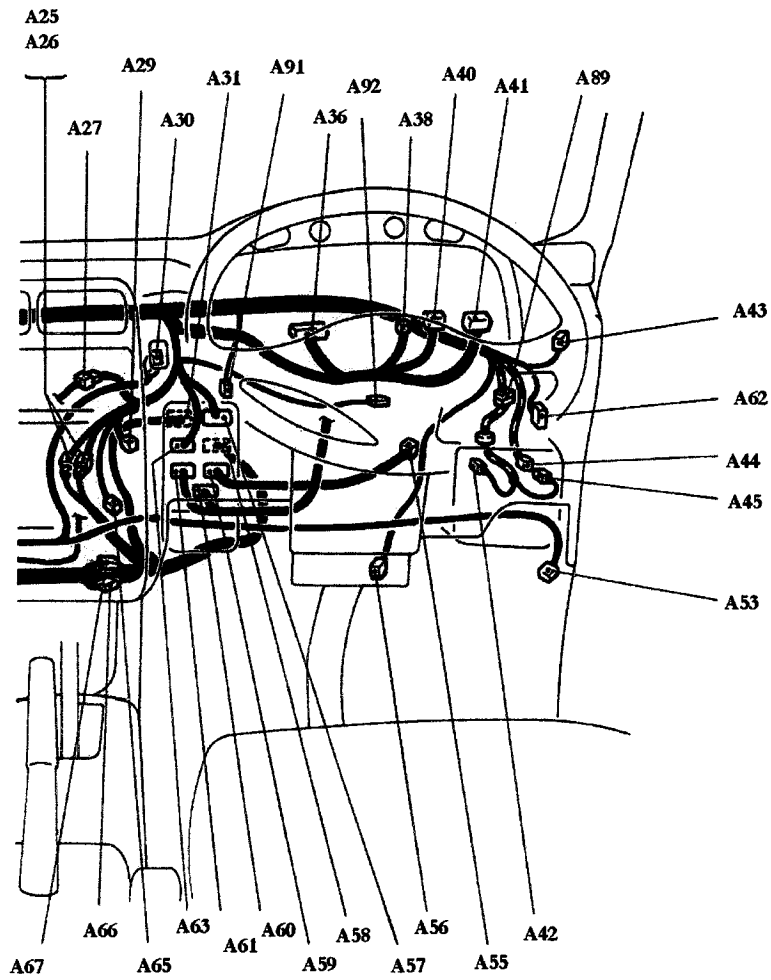
MiniCab-Bravo

Connector A Location Part 2

Dash Panel

Truck-Dump-Panel Van

A



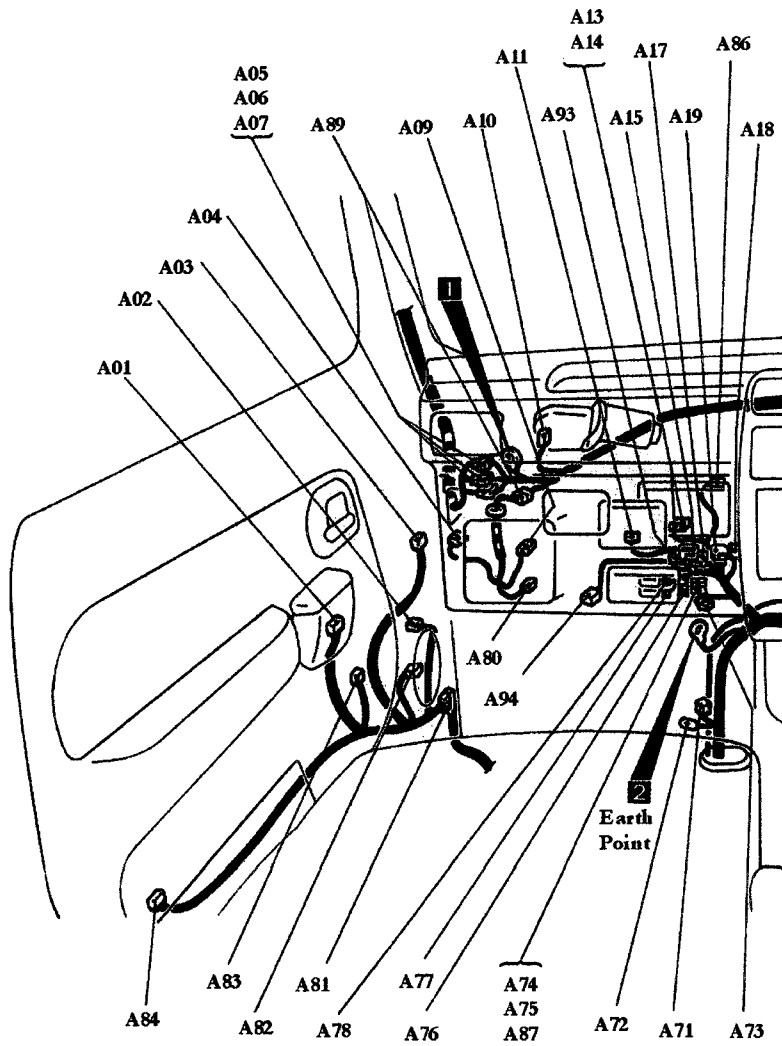
MiniCab-Bravo

Bravo AC Vehicle Part 1

Dash Panel

Bravo-Van

A



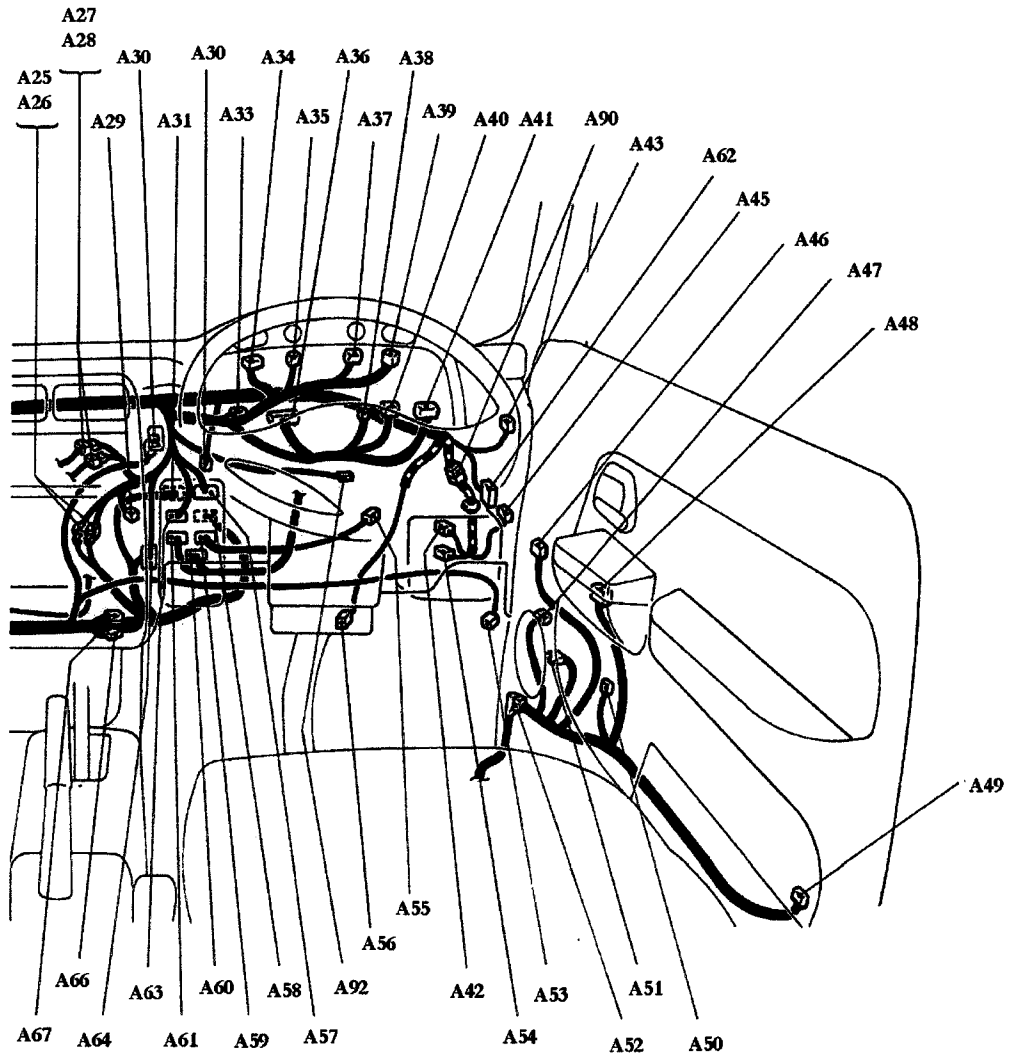
MiniCab-Bravo

Bravo AC Vehicle Part 2

Dash Panel

Bravo-Van

A



Note: Dealer Option A/C Connections May Differ

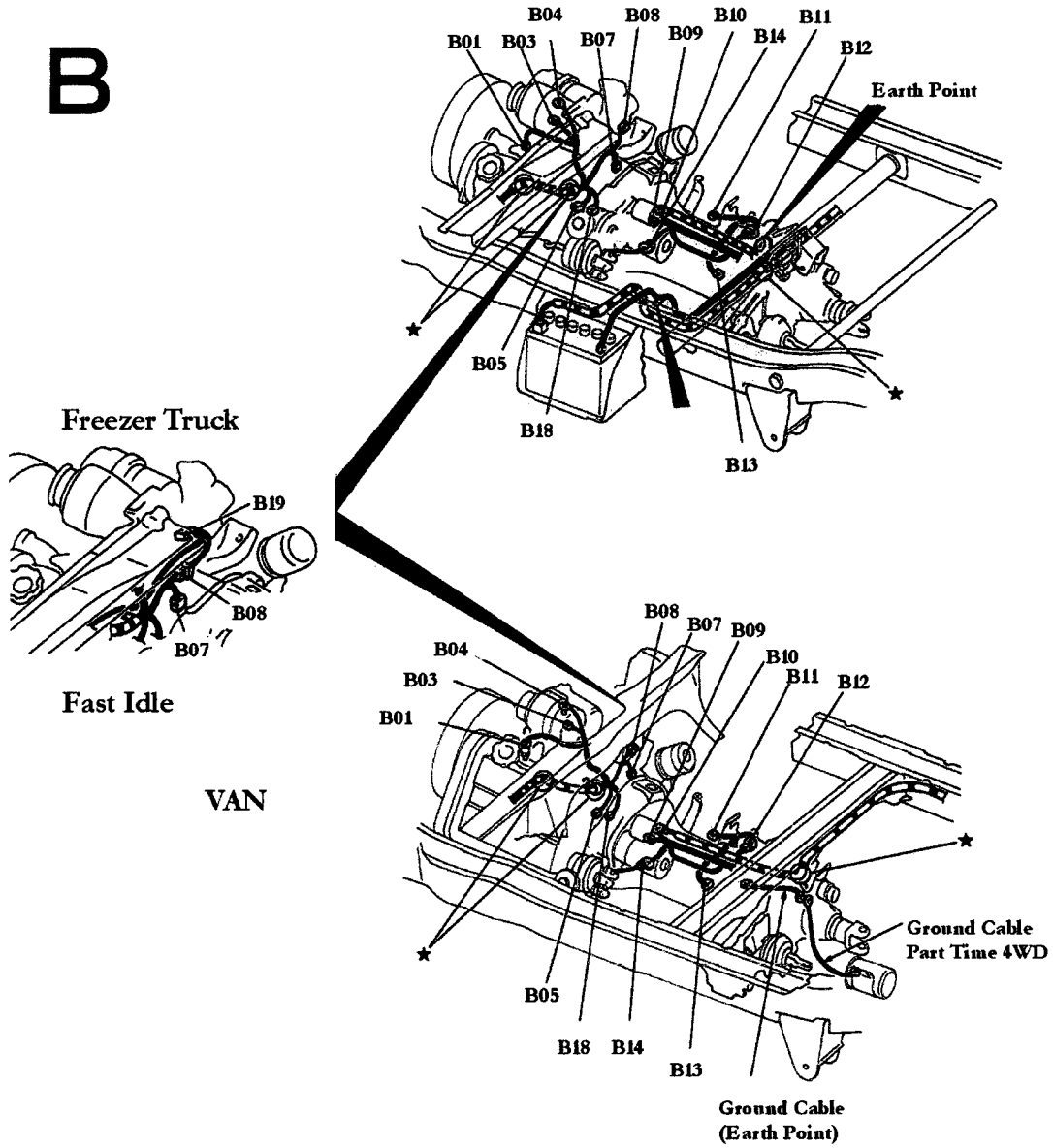
MiniCab-Bravo

Engine & Transmission Connector Location "B"

3G83 Carburetor Vehicle

Truck-Dump-Panel Van

TRUCK-DUMP-PANEL VAN

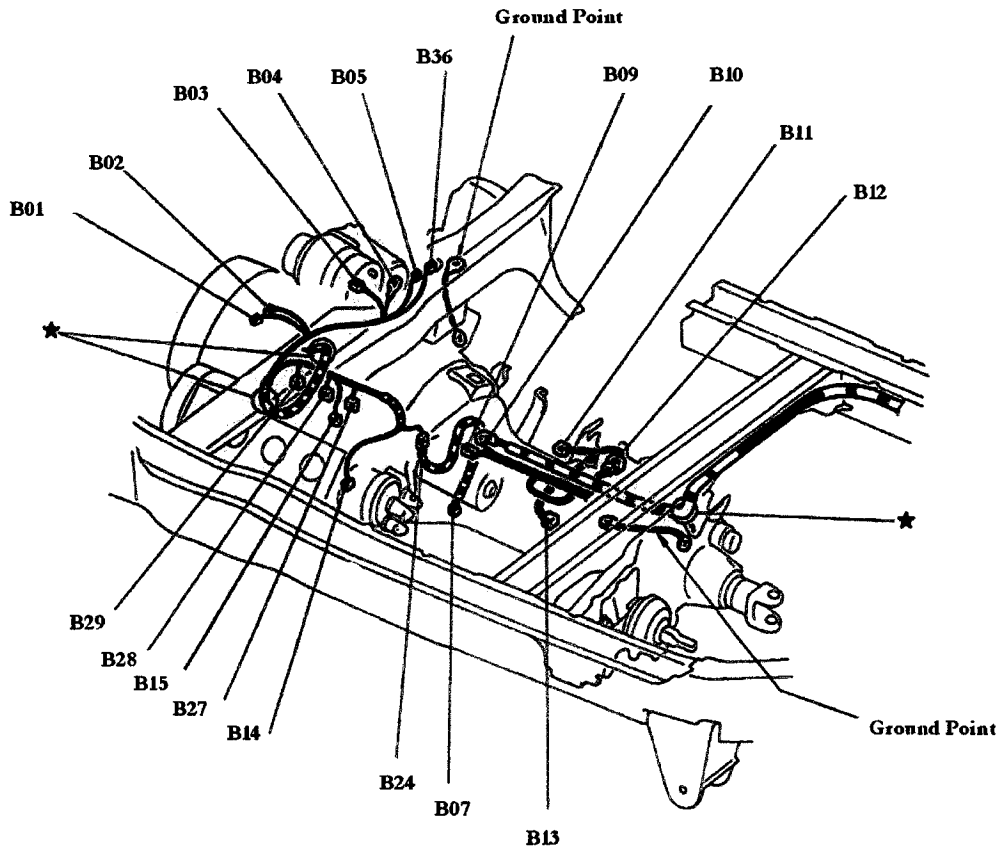


MiniCab-Bravo

Engine & Transmission Connector Location "B" Part 2

3G83-MPI

B



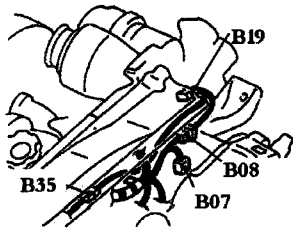
MiniCab-Bravo

Engine & Transmission Connector Location "B" Part 3

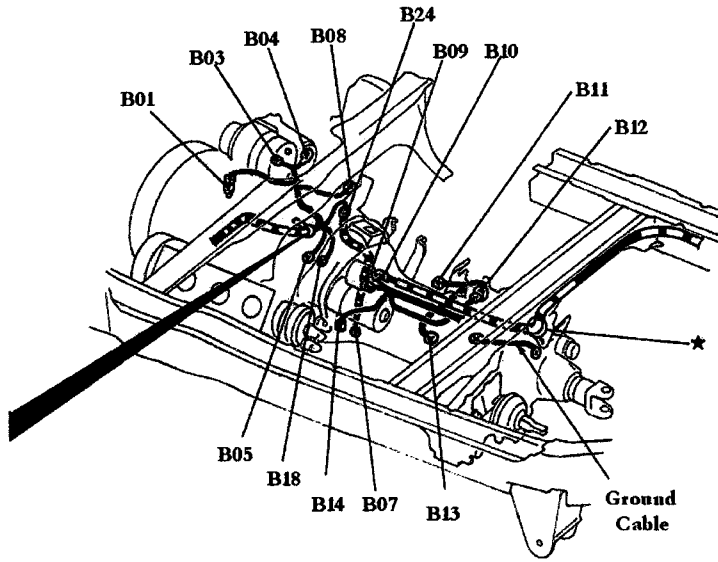
4A30-SOHC-Carburetor

B

A/C & Freezer Option



Fast Idel Solenoid

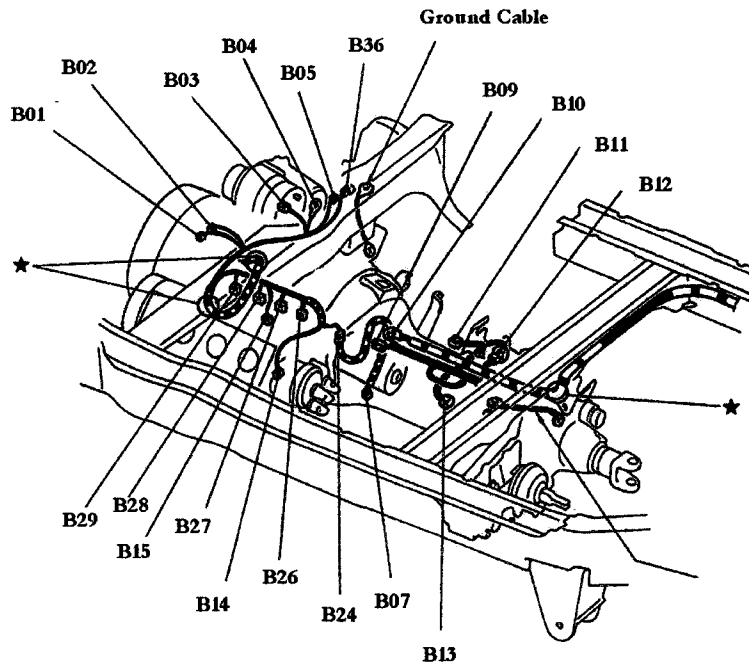


MiniCab-Bravo

Engine & Transmission Connector Location "B" Part 4

4A30 Carburetor SOHC

B

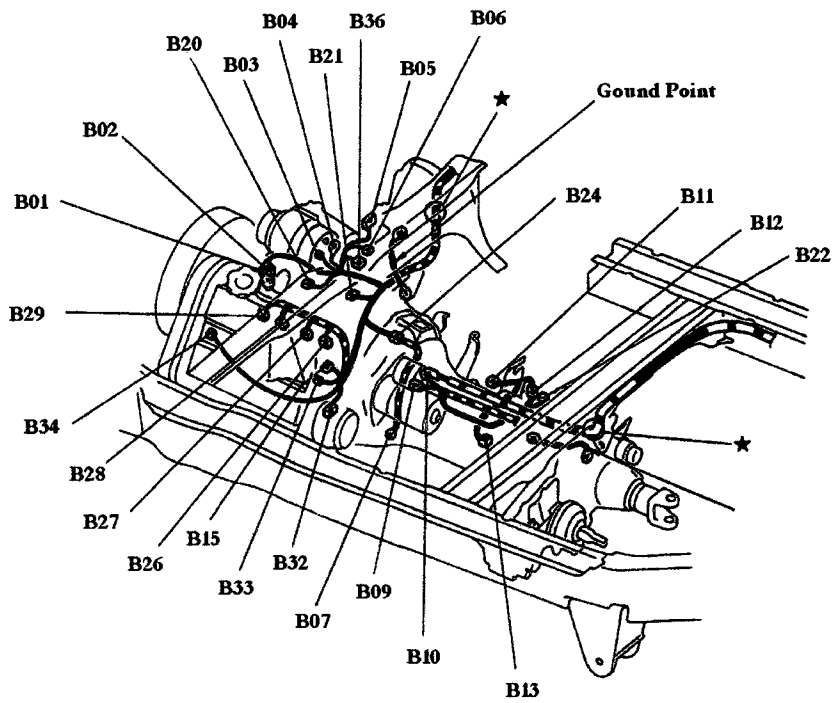


MiniCab-Bravo

Engine & Transmission Connector Location "B" Part 5

B

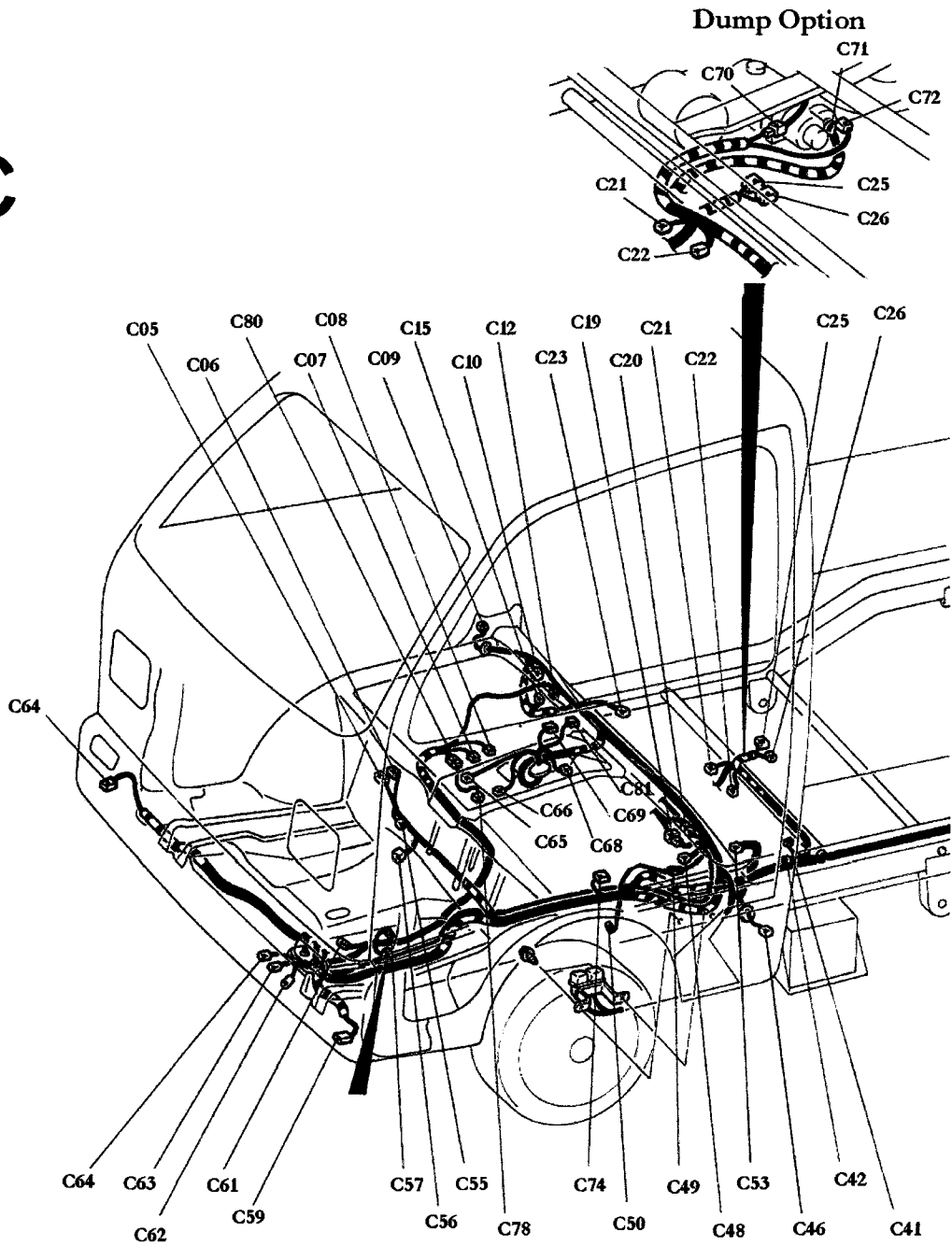
4A30-DOHC-MPI



MiniCab-Bravo

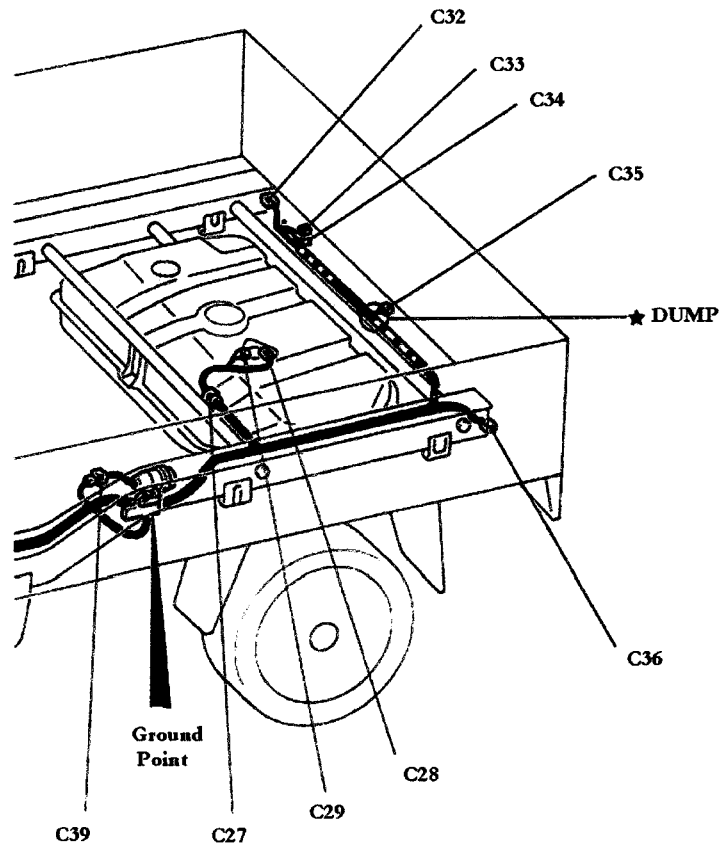
Frame Harness Truck Connector "C" Part 1

C



MiniCab-Bravo

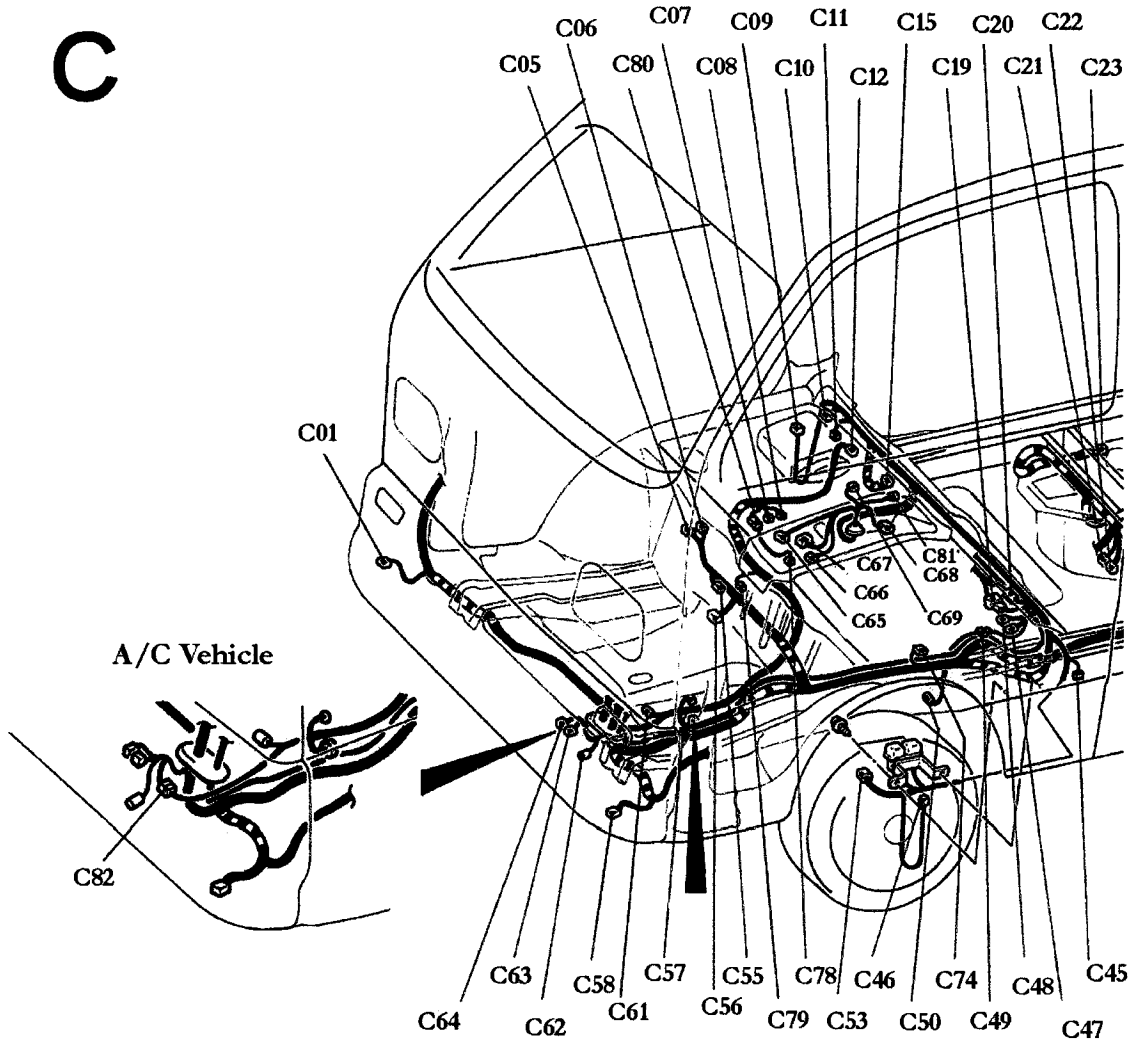
Frame Harness Truck Connector "C" Part 2



MiniCab-Bravo

Frame Main Harness Connector "C" Van Part 1

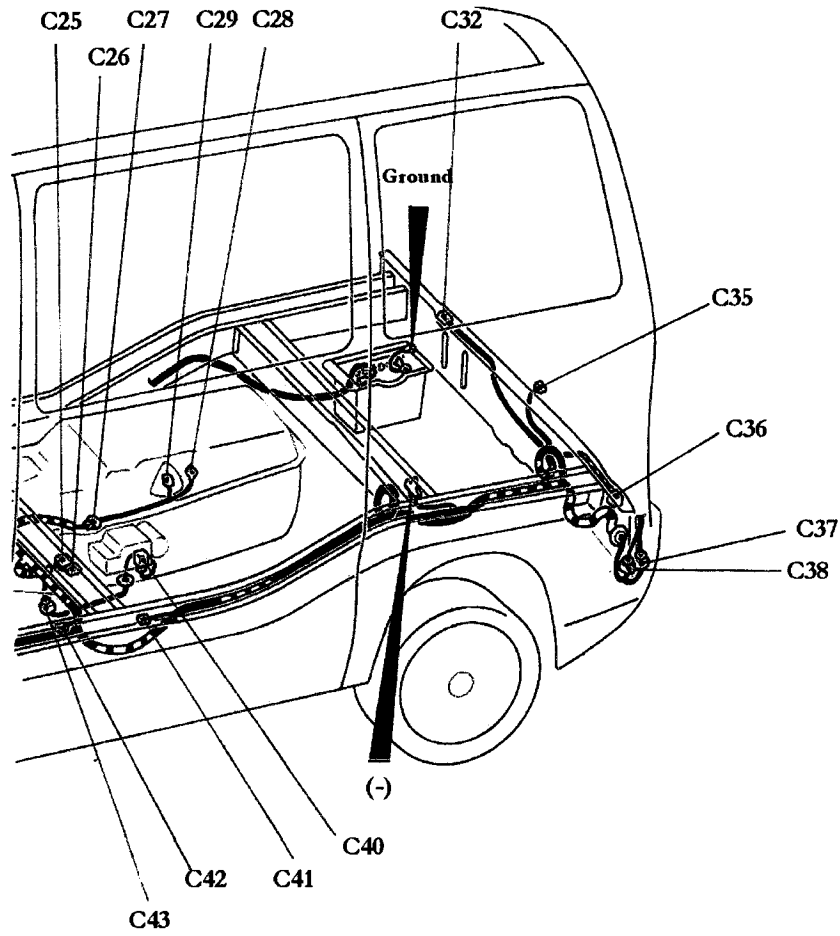
Van-Bravo SOHC Carbureted Vehicle



MiniCab-Bravo

Frame Main Harness Connector "C" Van Part 2

Van-Bravo SOHC Carbureted Vehicle

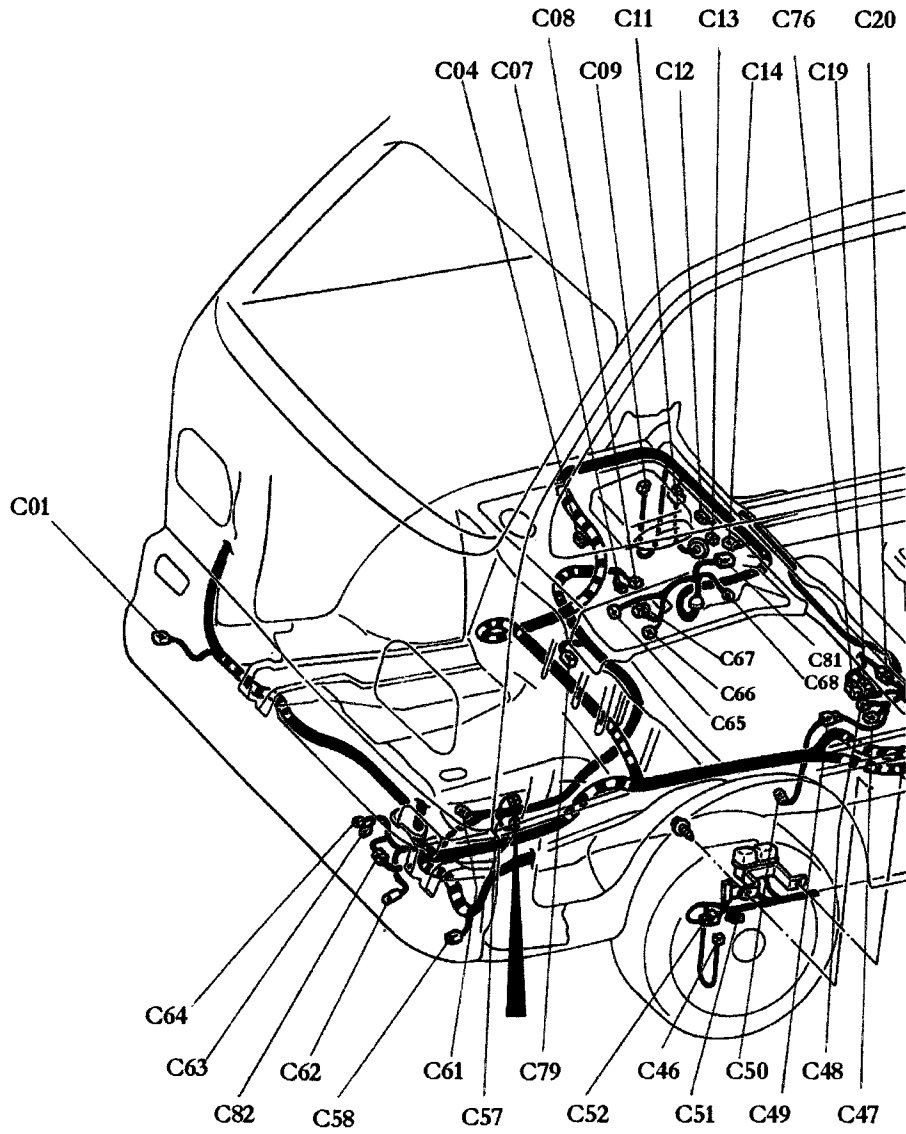


MiniCab-Bravo

Frame Main Harness Connector "C" Van Part 1

Bravo SOHC MPI Fuel Injected

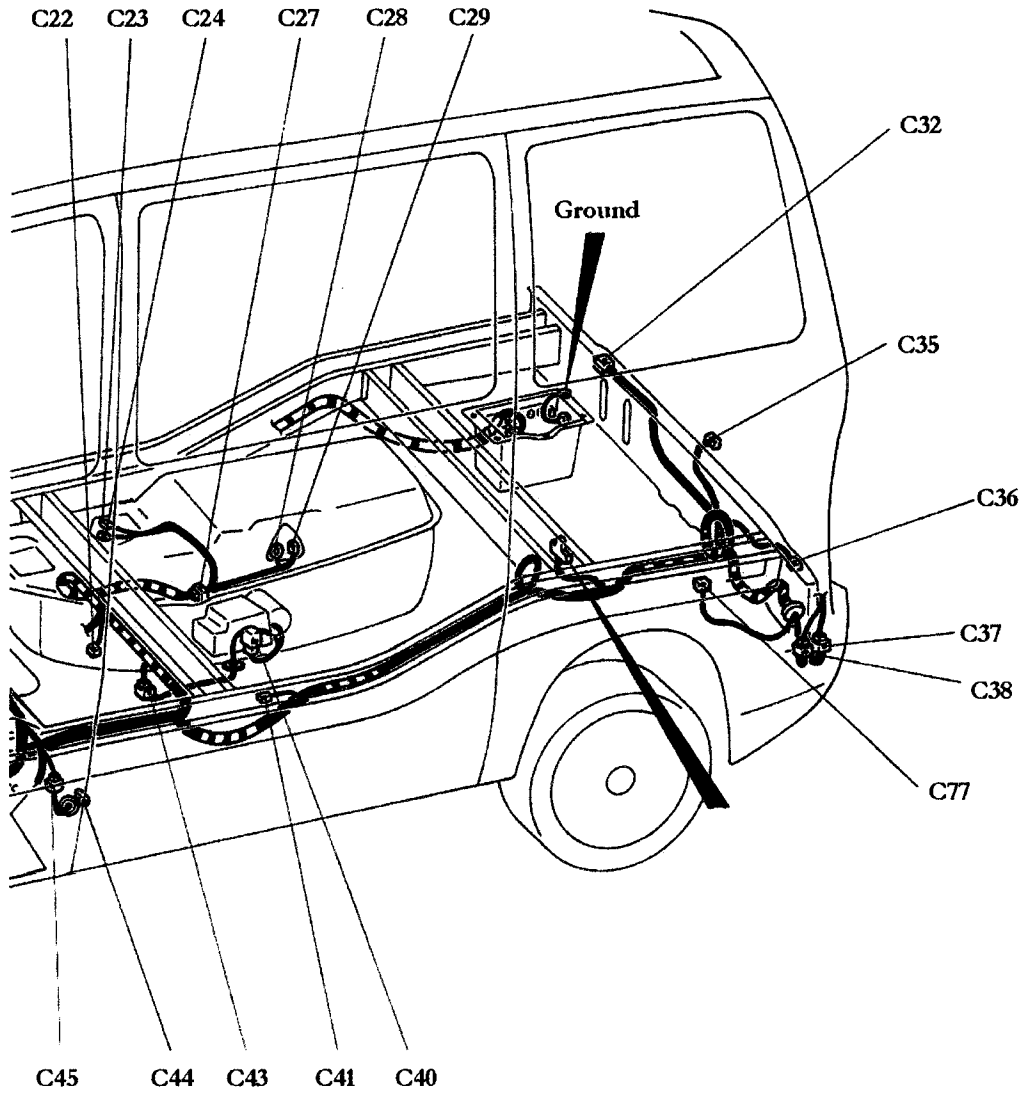
C



MiniCab-Bravo

Frame Main Harness Connector "C" Van Part 2

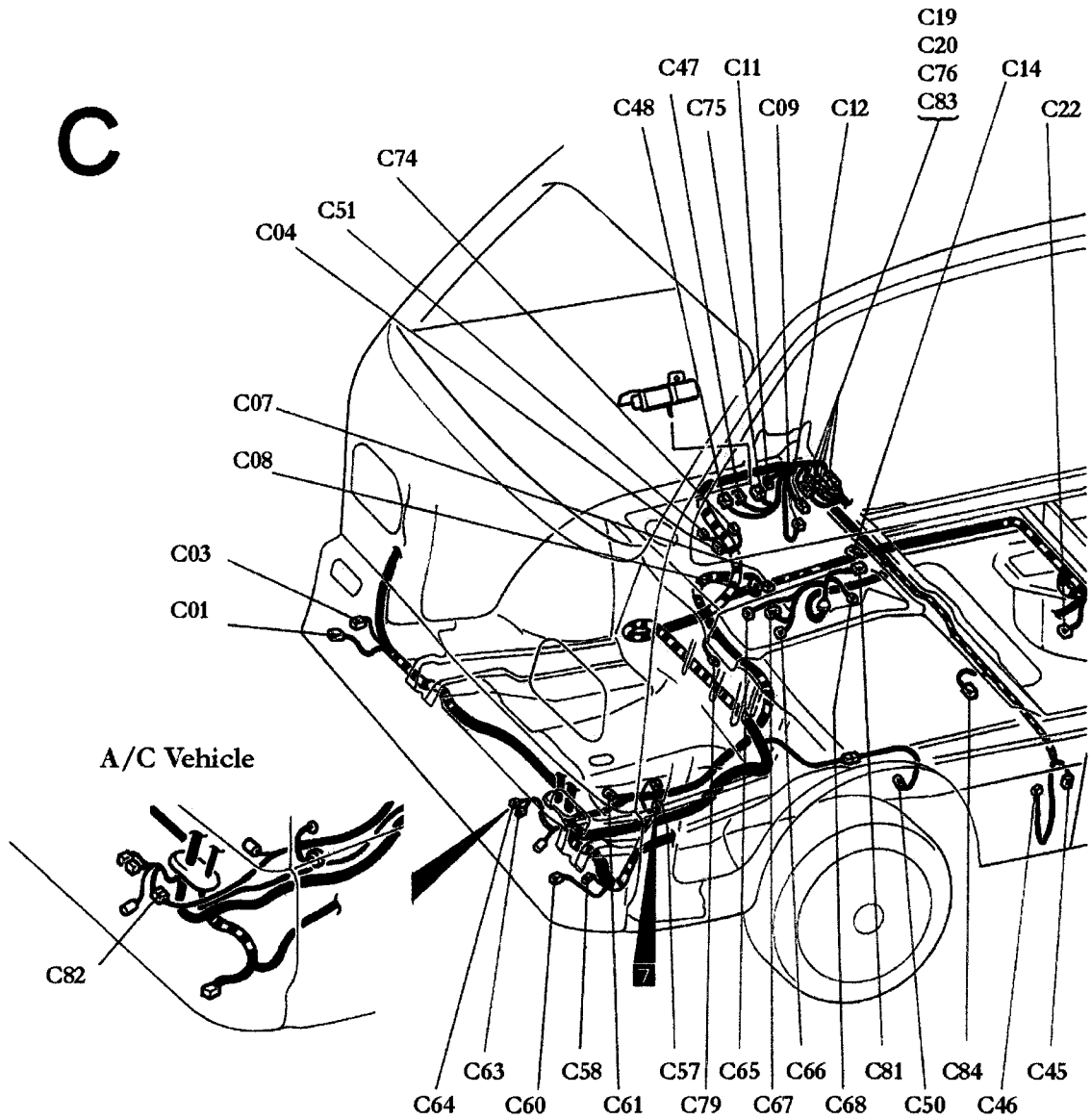
Bravo SOHC MPI Fuel Injected



MiniCab-Bravo

Frame Main Harness Connector "C" Van Part 1

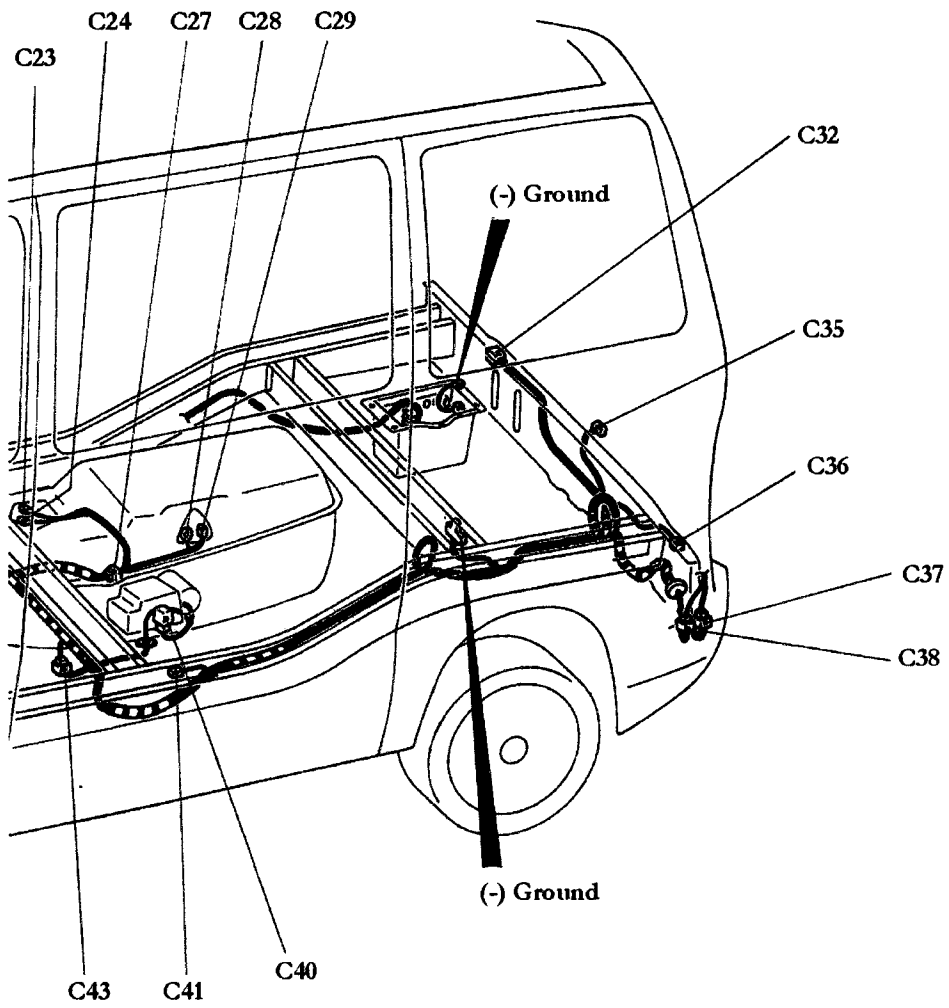
Bravo DOHC



MiniCab-Bravo

Frame Main Harness Connector "C" Van Part 2

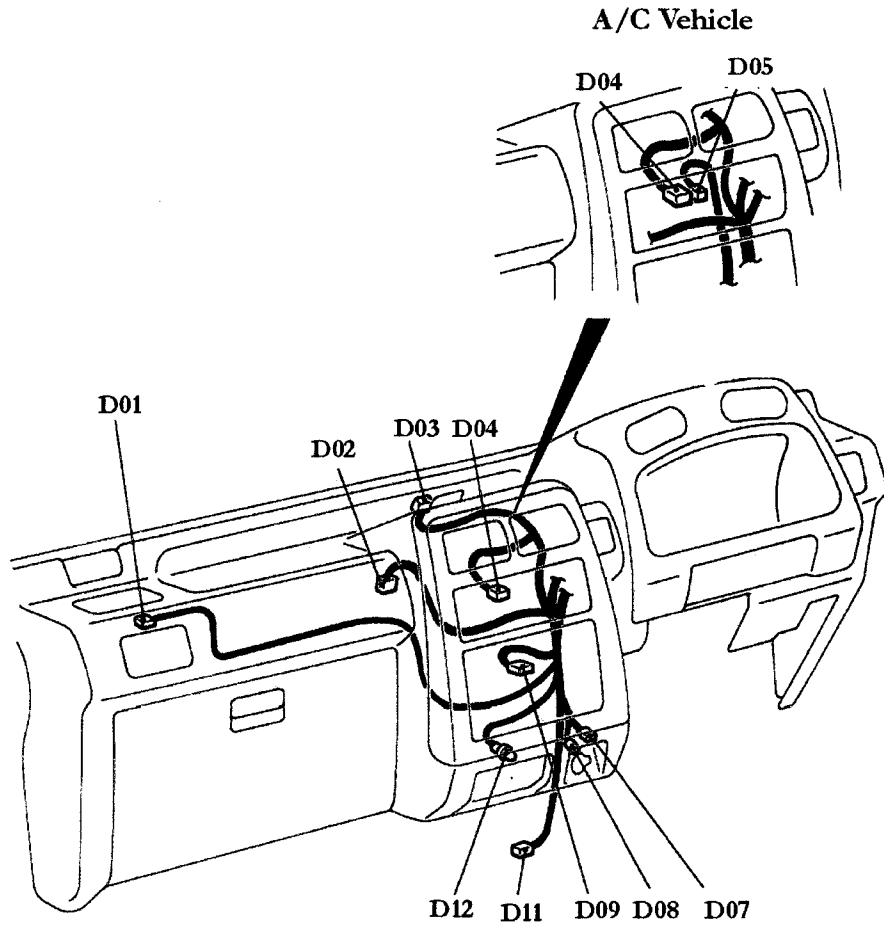
Bravo DOHC



MiniCab-Bravo

Instrument Panel Connector "D"

D



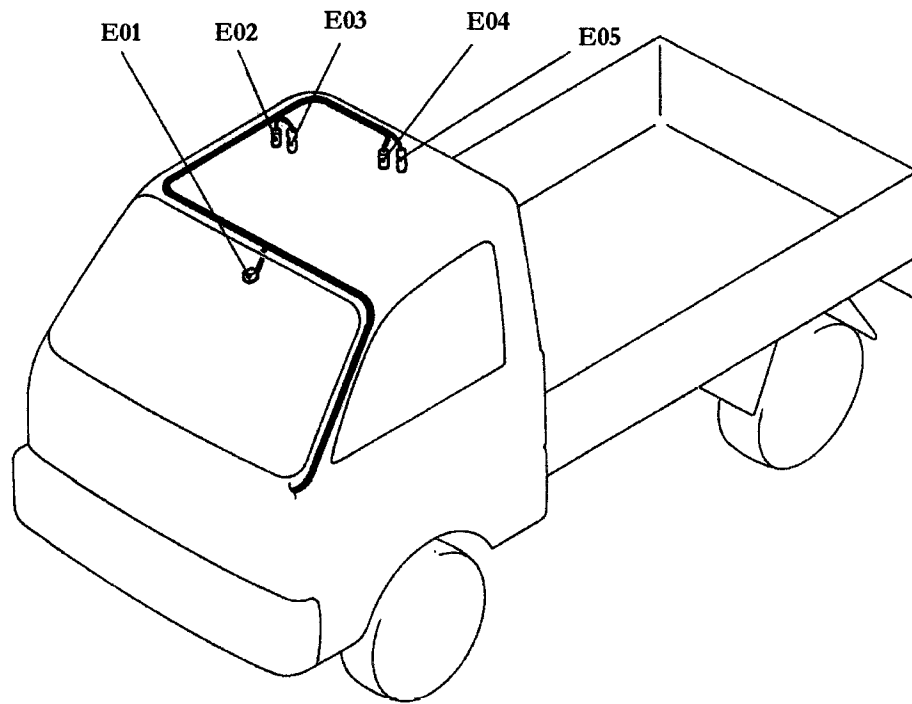
MiniCab-Bravo

Body Harness Truck Connector "E"

Roof-Tailgate-Rear End (Dump-Truck-Panel Van)

Note: Truck Harness Only Includes Roof

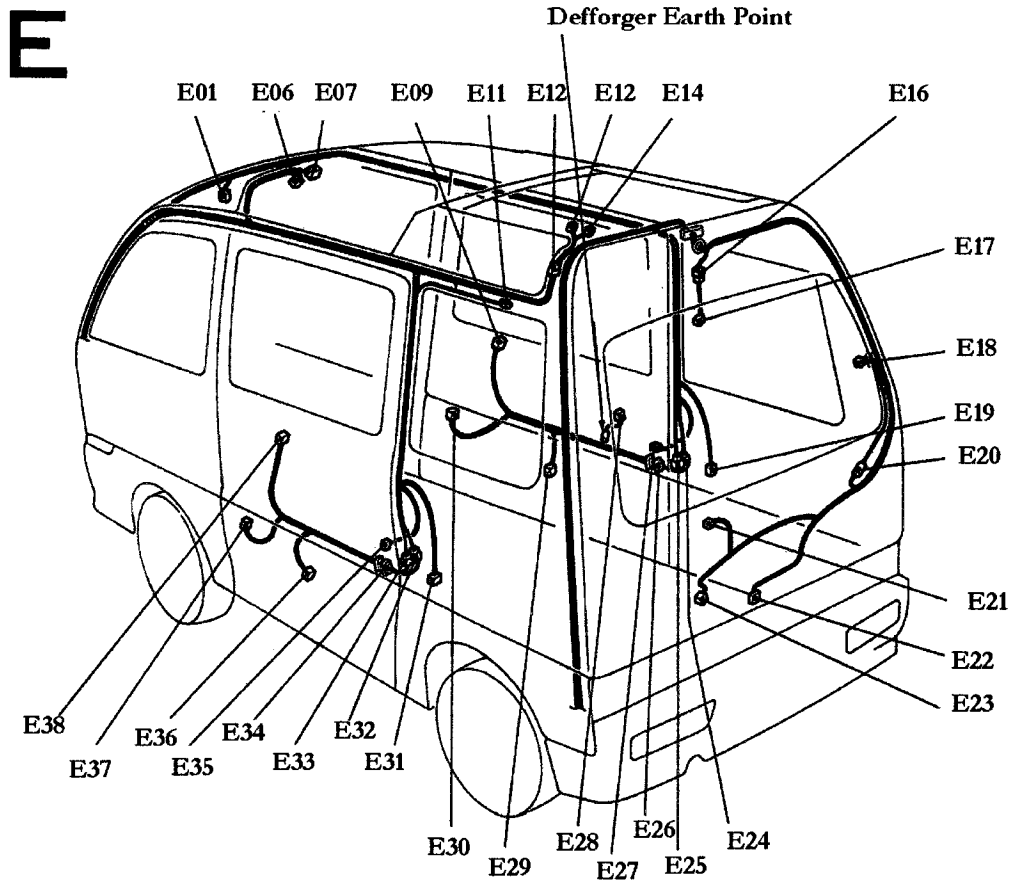
E



MiniCab-Bravo

Body Harness Van Connector "E"

Roof-Tailgate-Back End (Van-Bravo)



Chapter 2

Relay and Control Unit Location

MiniCab Truck & Bravo Van 2WD & 4WD

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- 25. Ground Point Locations: Truck-Van-Bravo Part 1**
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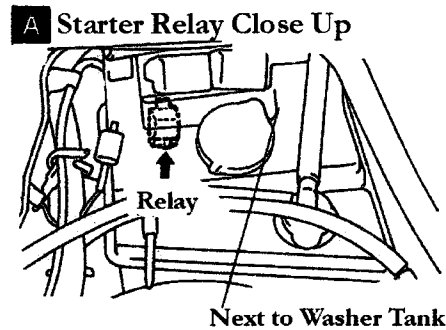
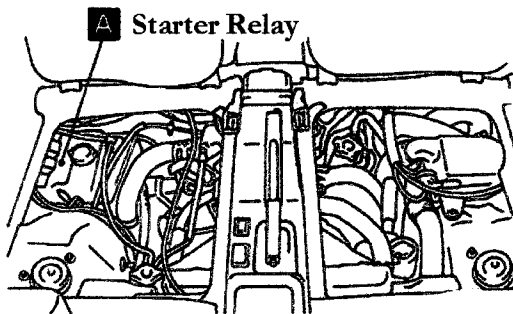
MiniCab-Bravo

Relay Location

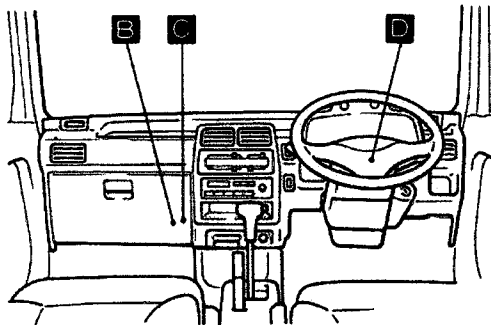
A=Starter Relay Circuits
B=A/C Power Relay Circuit
C=ESS & Alarm Lamp Relay
C=Engine Control Relay
C=Power Window Relay
C=Power Relay A, B (Dump)

C=Fuel Pump Relay
C=12v Socket Power Relay
D=Delay Wiper Relay
E=Rear Heater Relay
F=Sun- Roof Power Relay

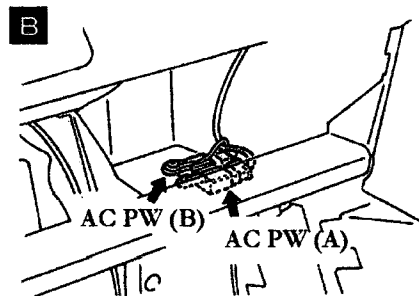
Engine Compartment



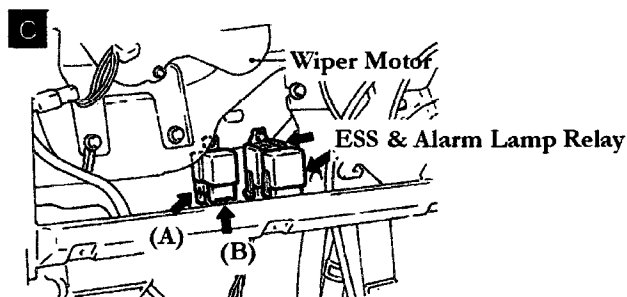
Intrument Panel



A/C Relay A & B



Dump Truck

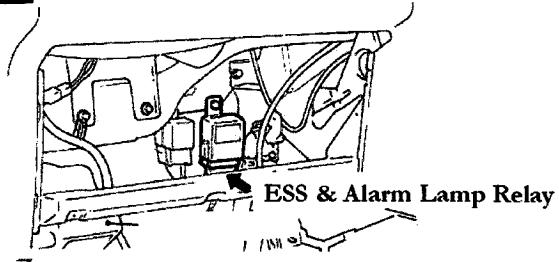


Power Relay A & B

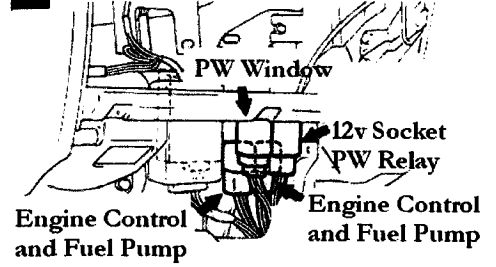
MiniCab-Bravo

Relay Location

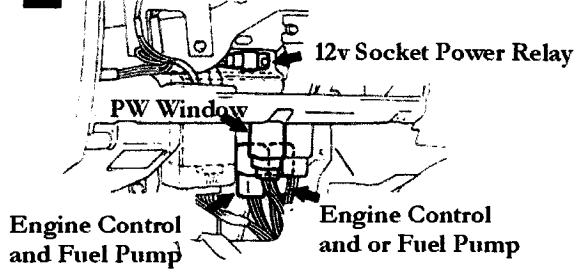
C Carbureted Truck-Van-Bravo



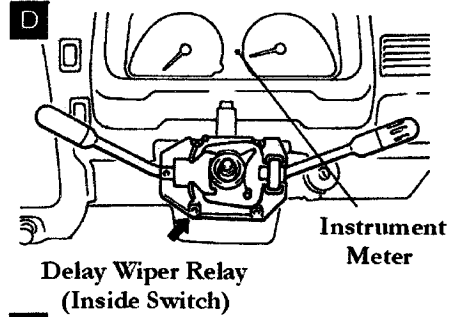
C Type 1



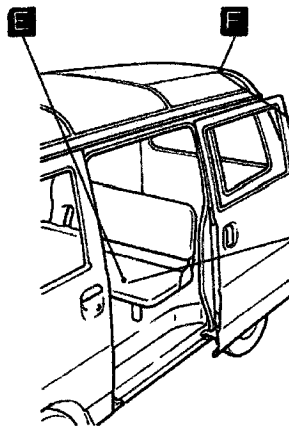
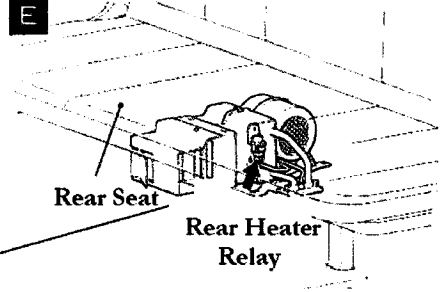
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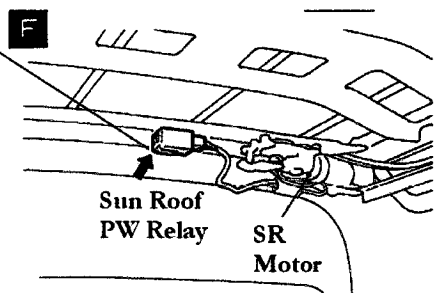
D



E



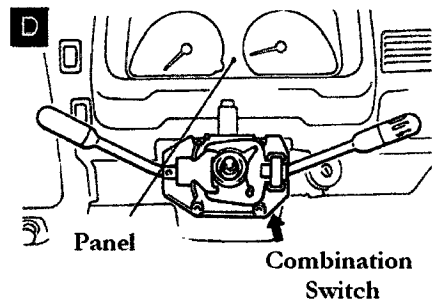
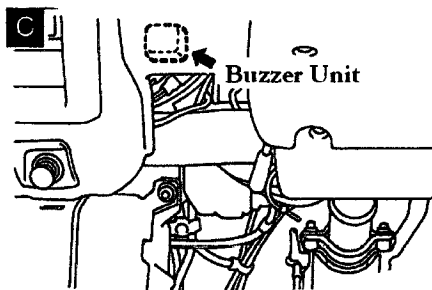
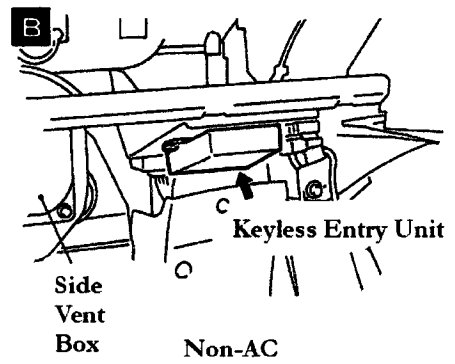
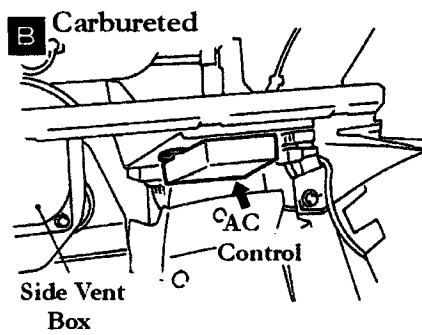
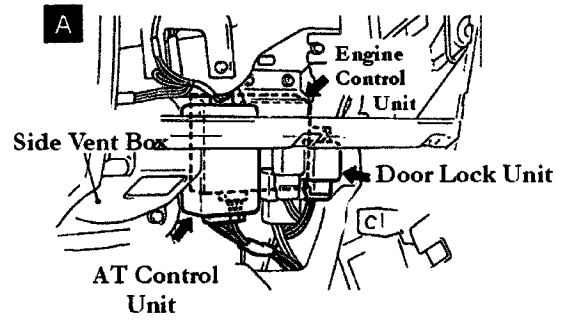
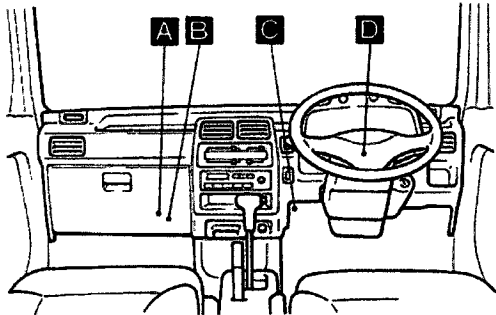
F



MiniCab-Bravo

Control Units

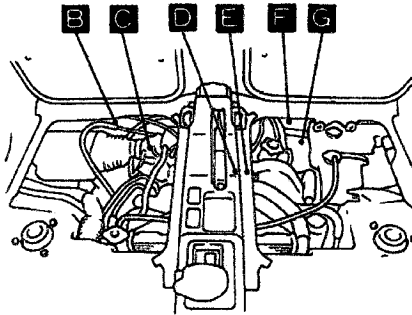
Location Guide



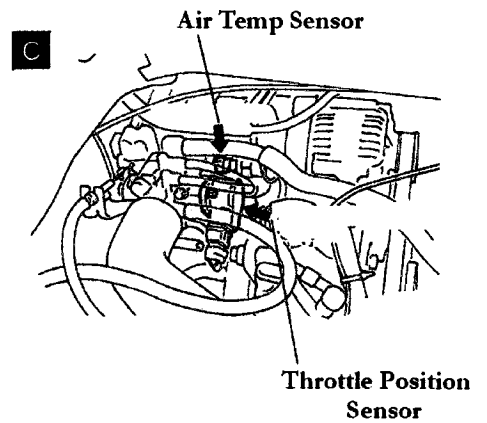
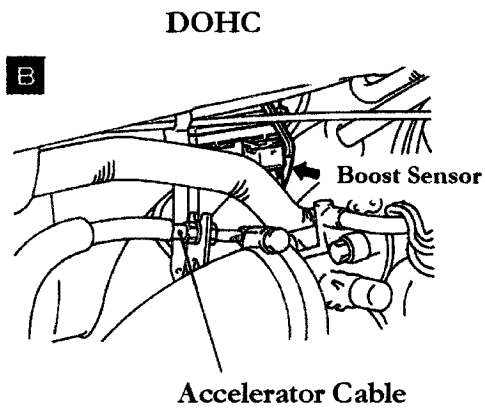
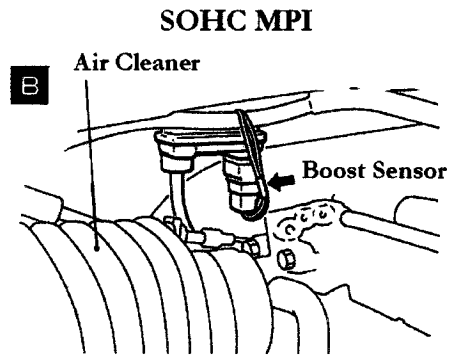
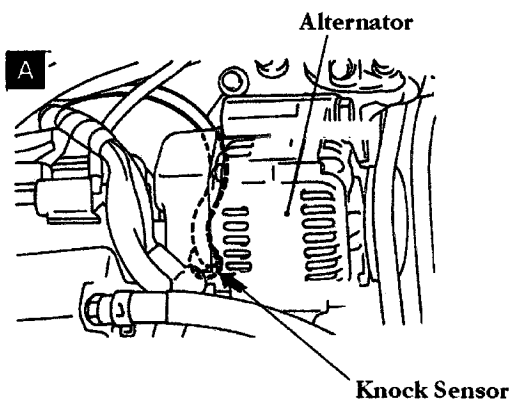
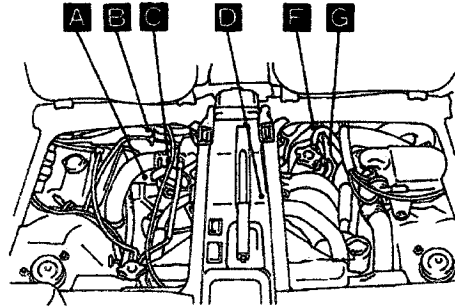
MiniCab-Bravo

Sensors Location

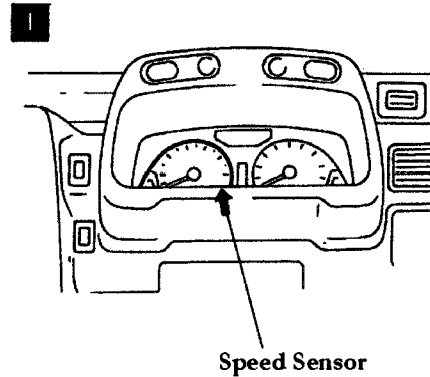
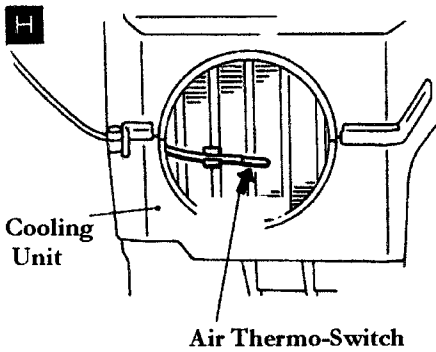
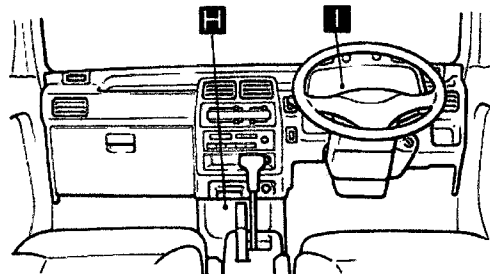
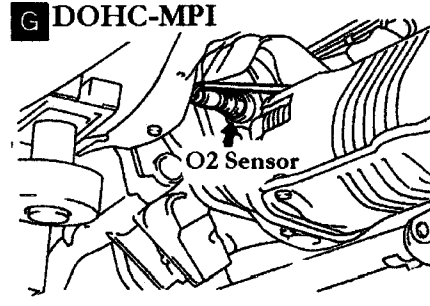
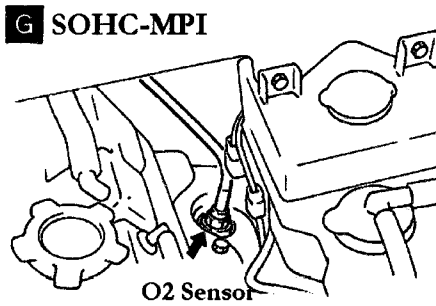
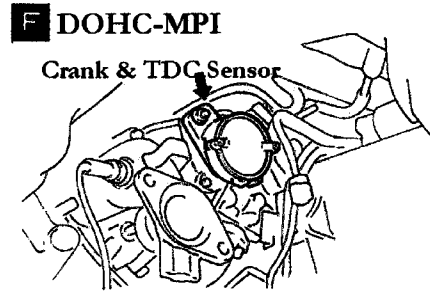
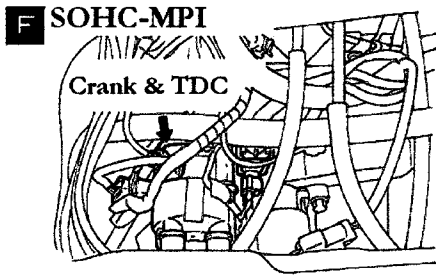
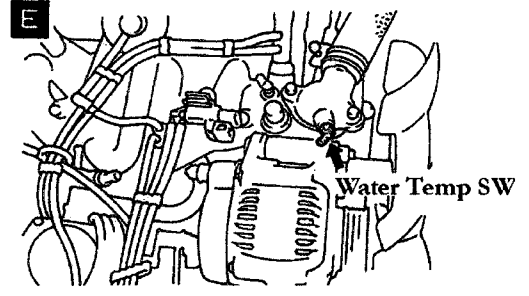
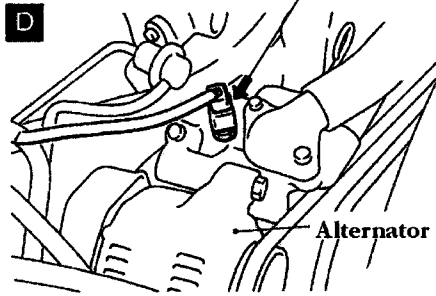
SOHC Vehicle



DOHC Vehicle

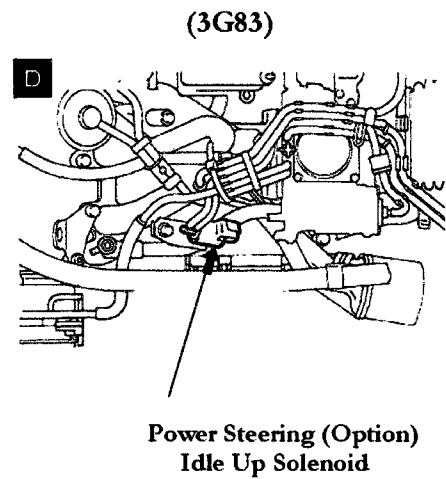
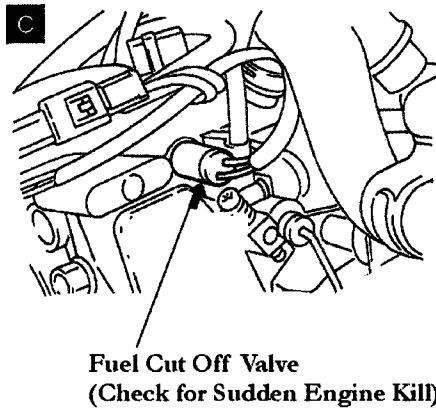
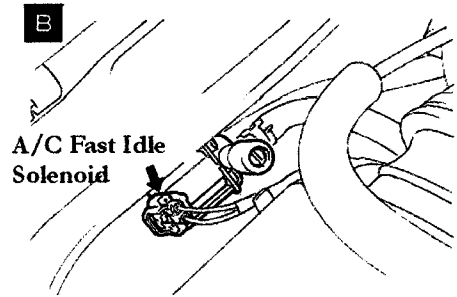
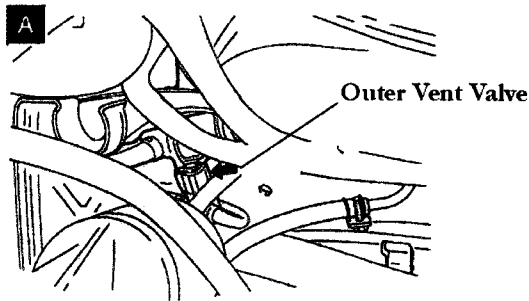
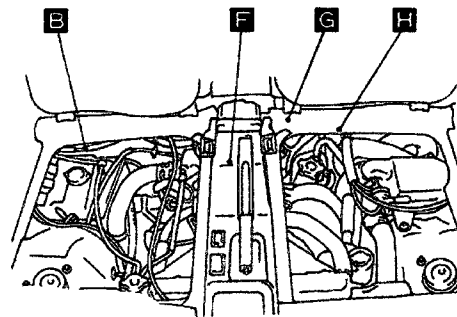
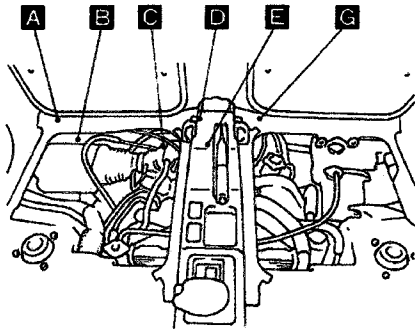


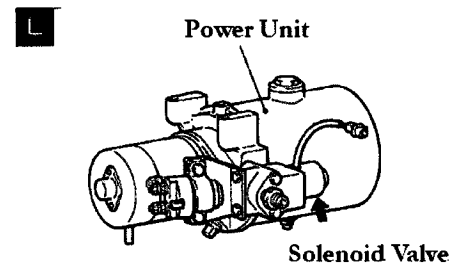
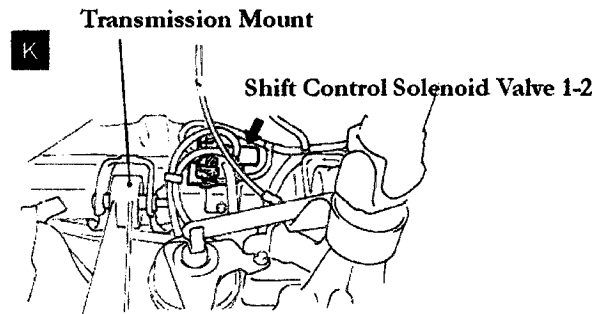
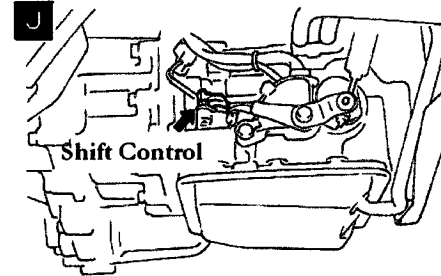
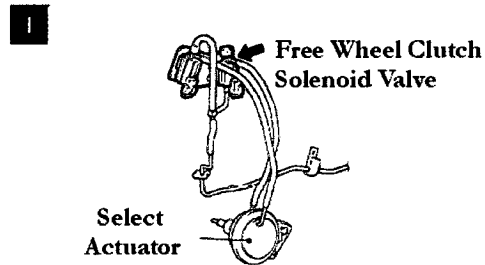
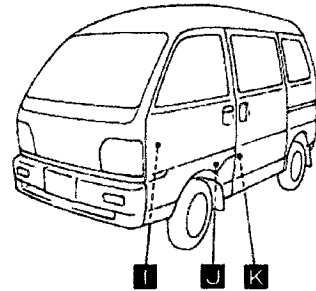
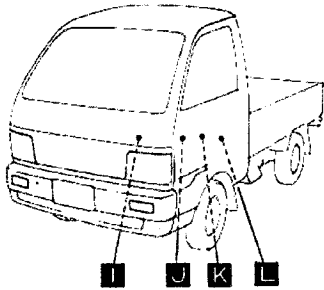
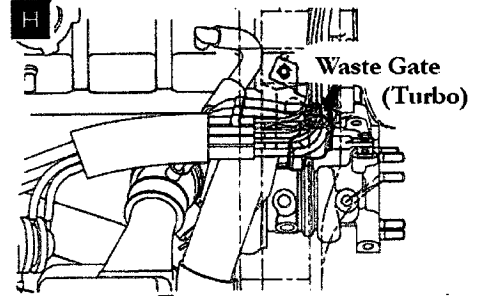
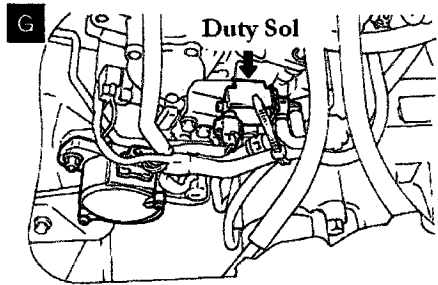
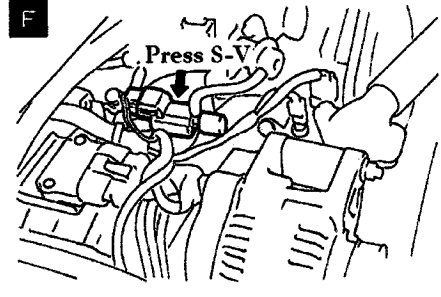
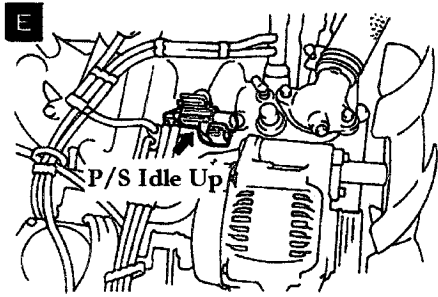
Water Temp Sensor



MiniCab-Bravo

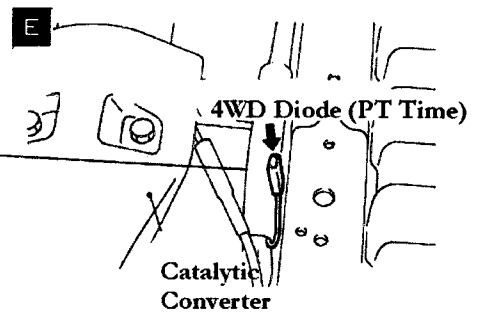
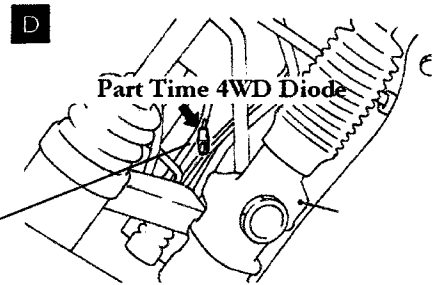
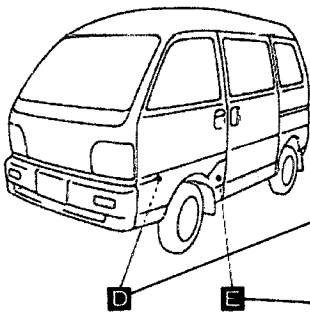
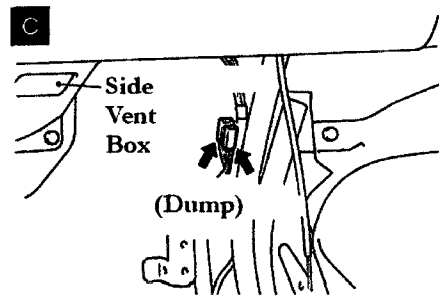
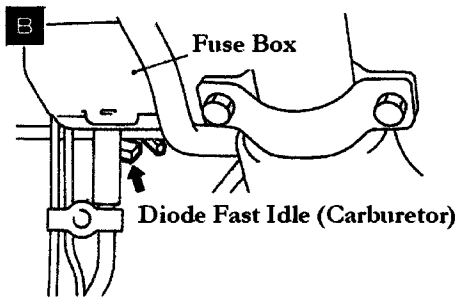
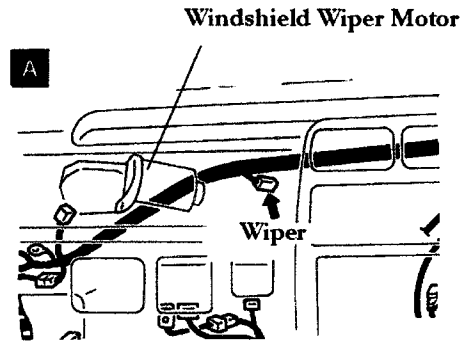
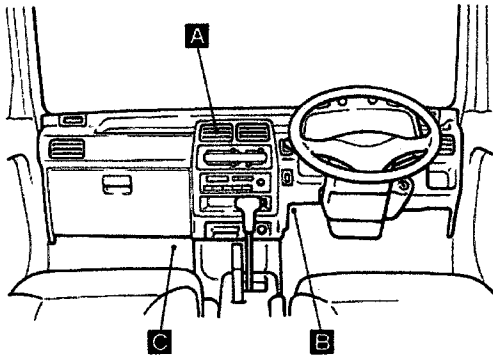
Solenoid Valve Location





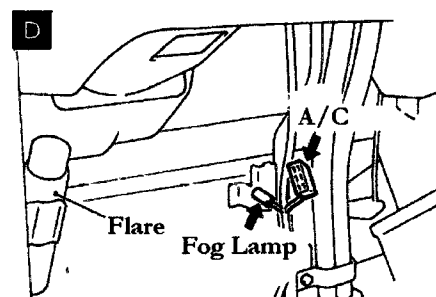
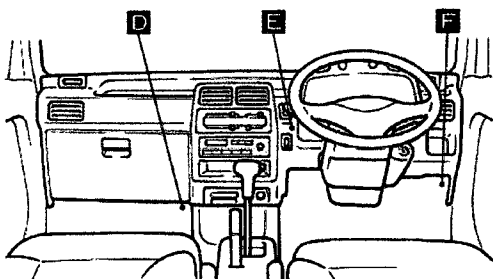
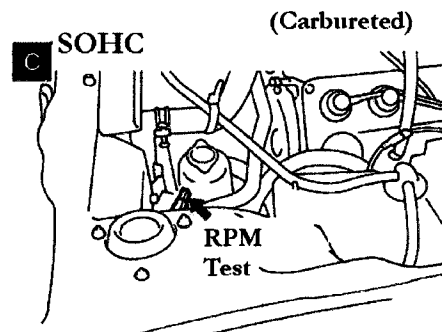
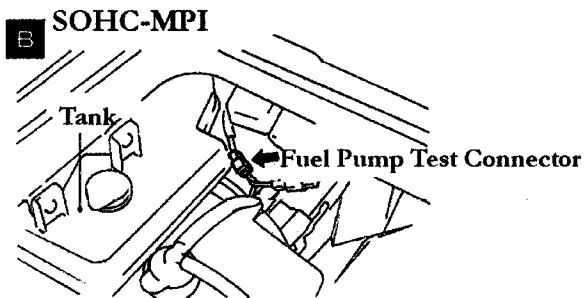
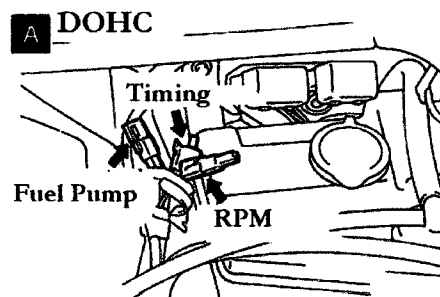
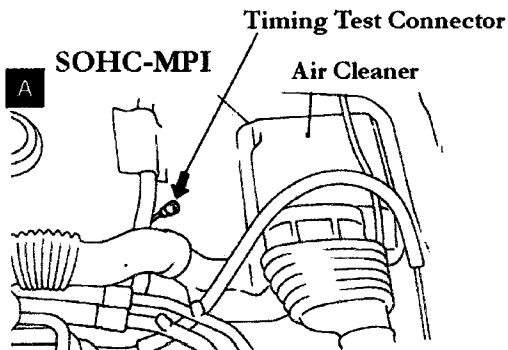
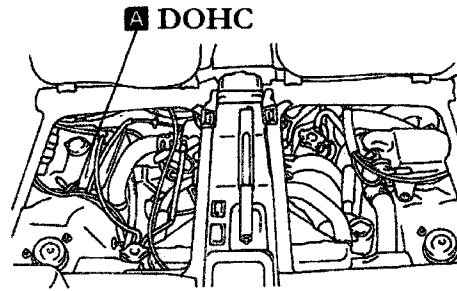
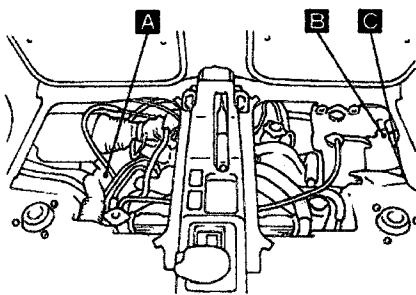
MiniCab-Bravo

Diode Location



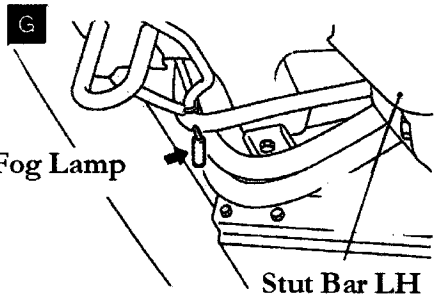
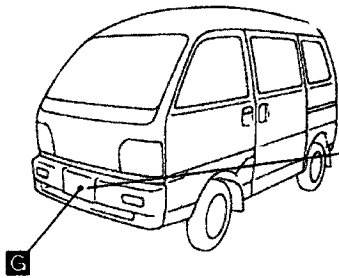
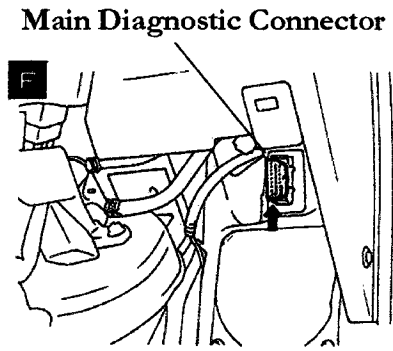
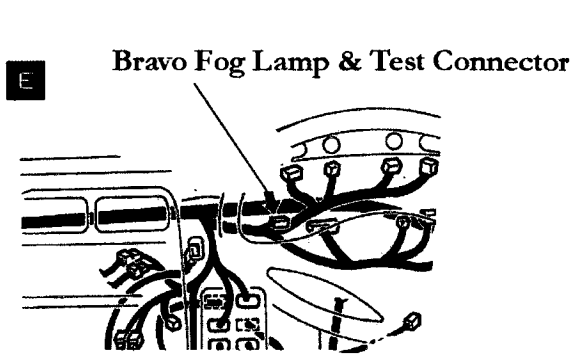
MiniCab-Bravo

Test Connector Location



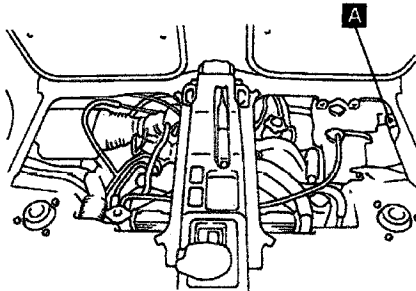
MiniCab-Bravo

Test Connectors & Fusible Links

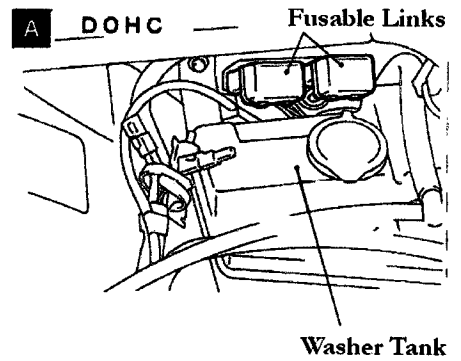
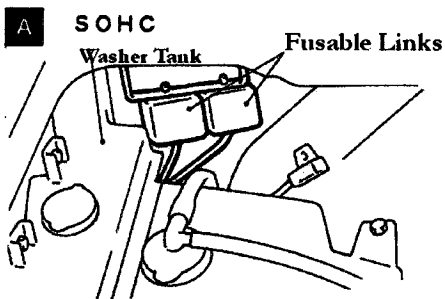
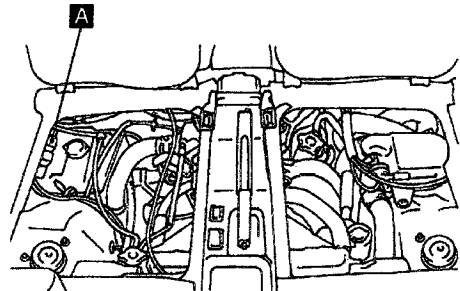


Engine Room Area

<SOHC>

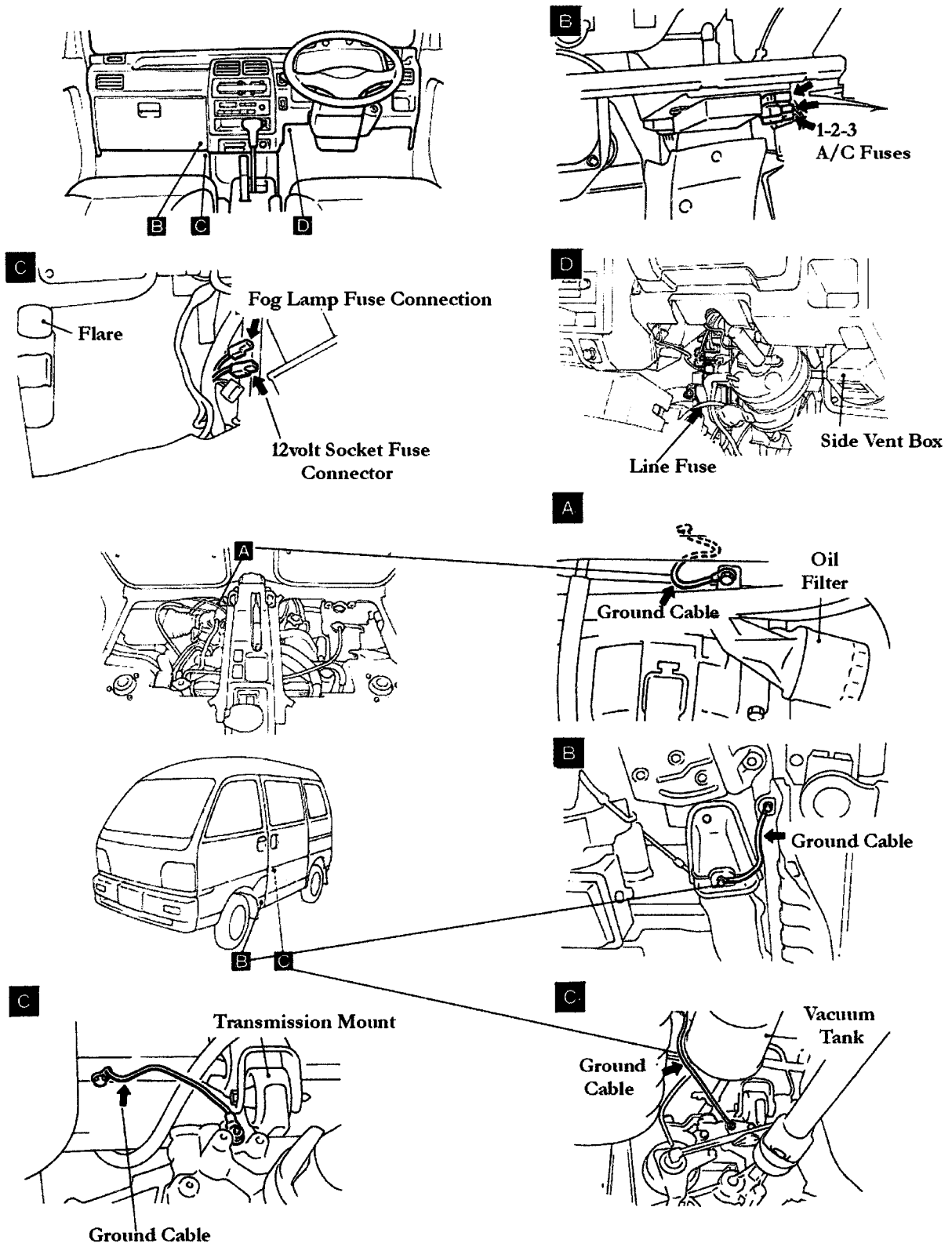


<DOHC>



MiniCab-Bravo

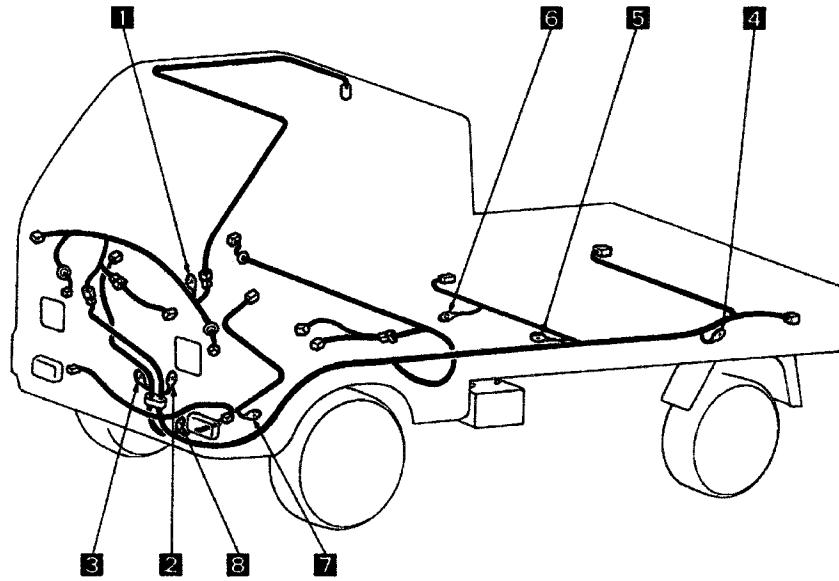
Line Fuse & Ground Cable Locations



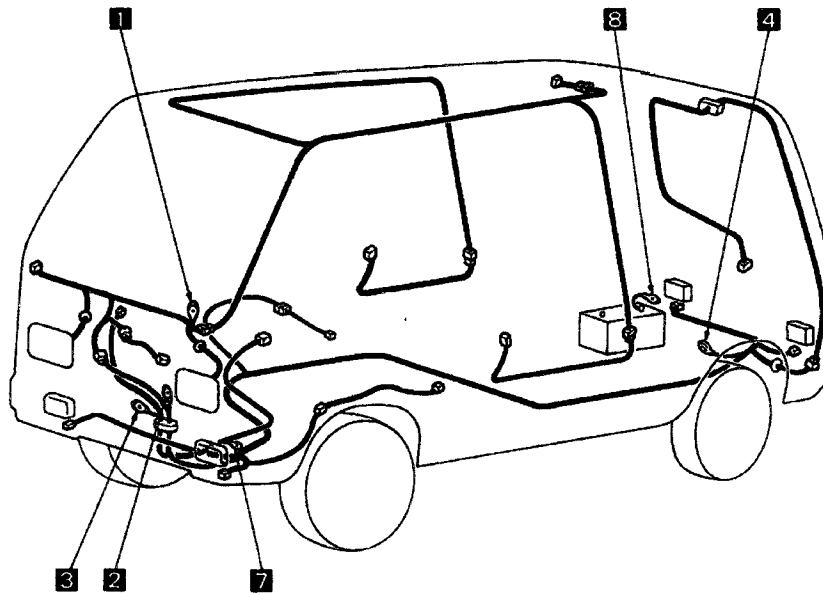
MiniCab-Bravo

Ground Point

Truck-Dump-Panel Van

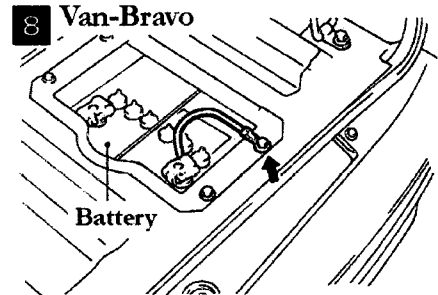
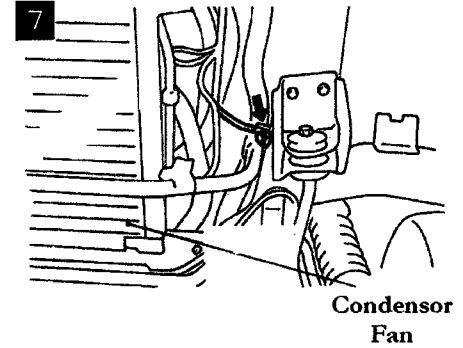
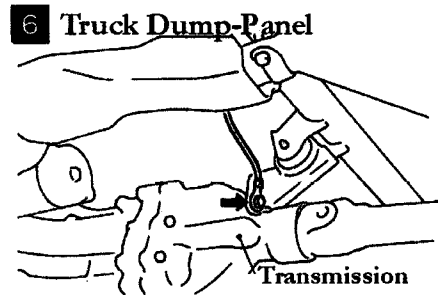
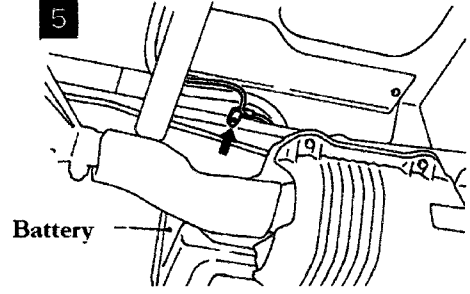
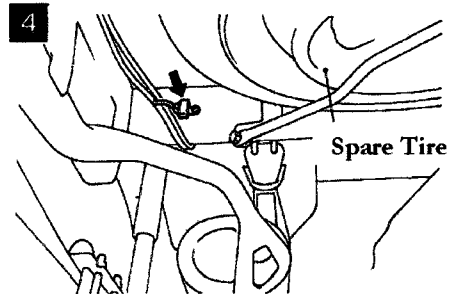
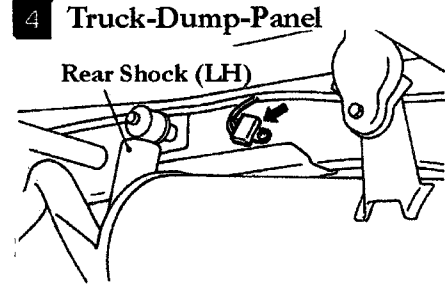
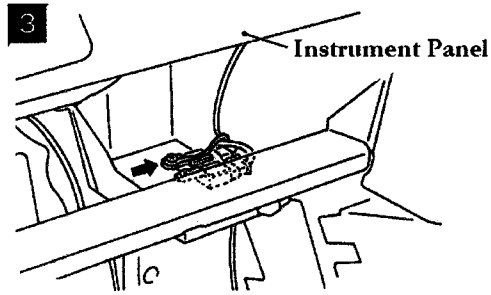
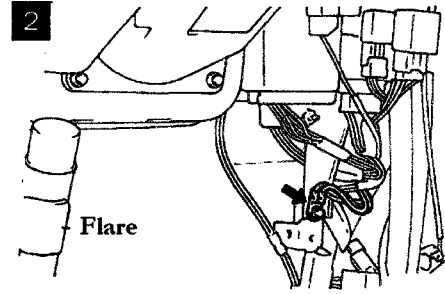
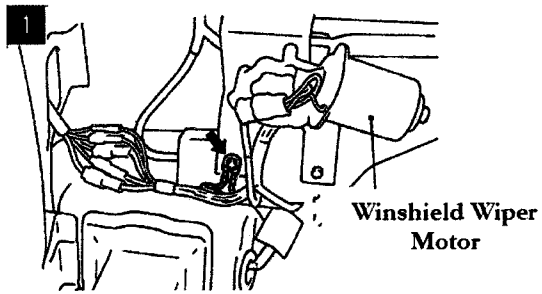


Van-Bravo



MiniCab-Bravo

Ground Point - Earth or Negative (-)



Chapter 3

Main Power-Fuse & Engine Connections

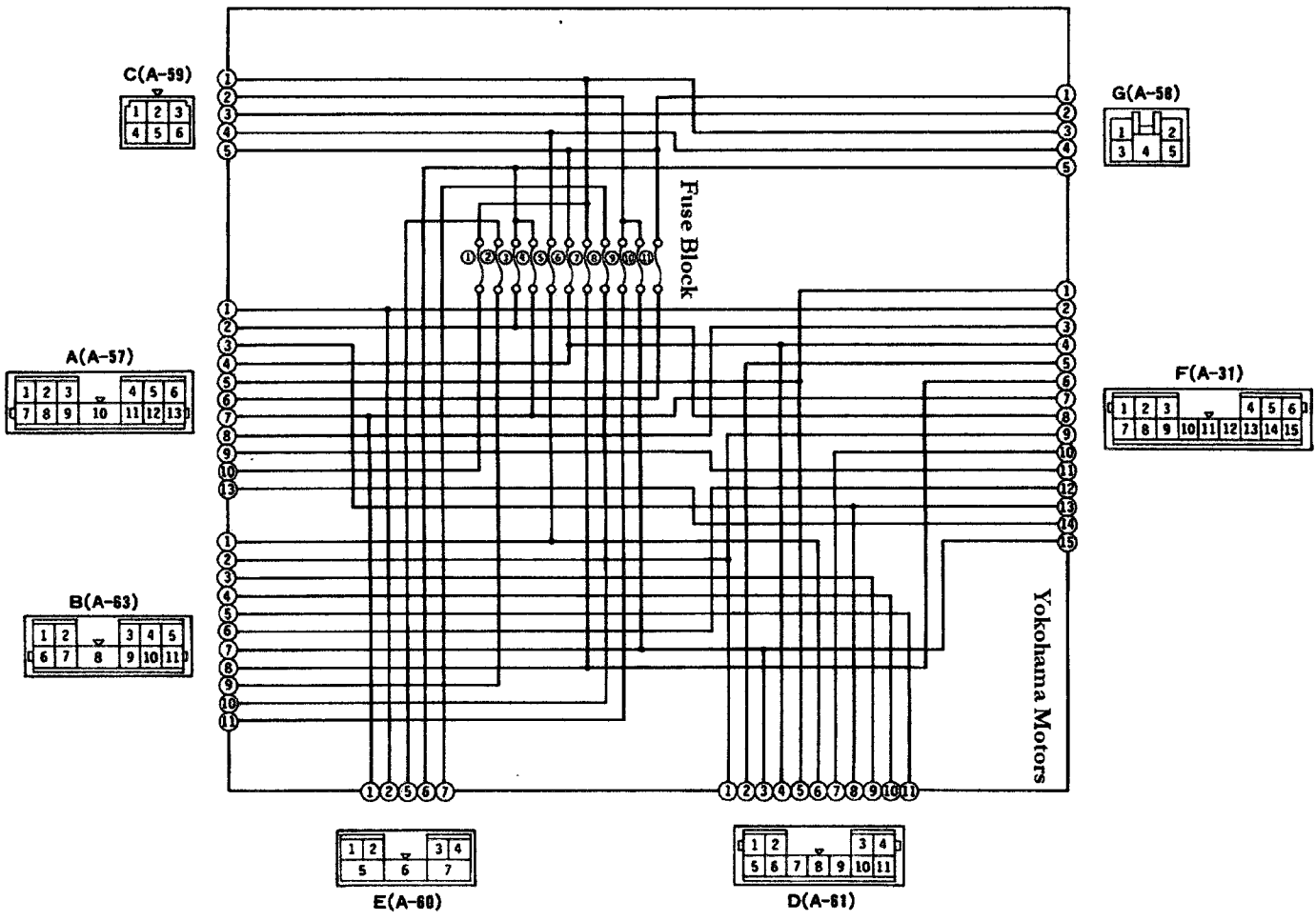
MiniCab Truck & Bravo Van 2WD & 4WD

Diagram and Circuit Index

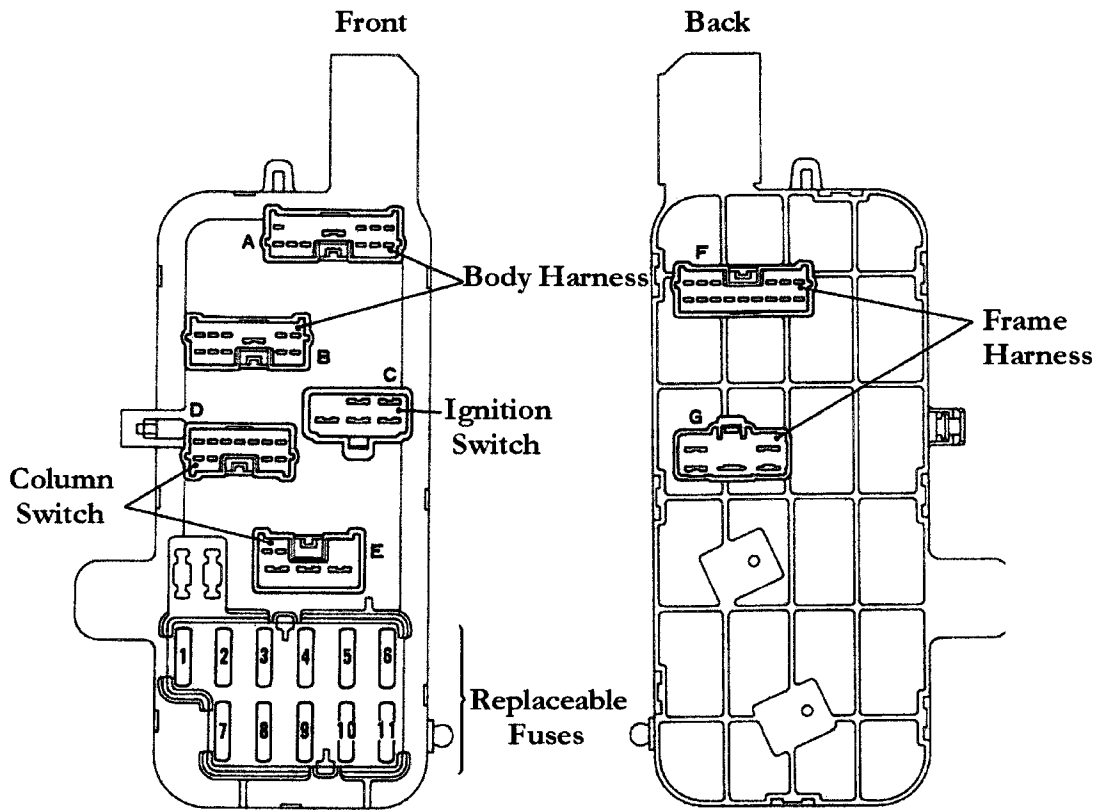
- 27. Main Junction Box (J/B)
- 28. Main Fuse Box
- 29. Main Power Circuits Part 1
- 30. Main Power Circuits Part 2
- 31. Starter Circuit SOHC Vehicle
- 32. Starter Circuit DOHC Vehicle
- 33. Ignition Timing Circuit 3G83-SOHC-Carbureted
- 34. Ignition Timing Circuit 3G83-SOHC-MPI Fuel Injection
- 35. Ignition Timing Circuit 4A30-SOHC Carbureted
- 36. Ignition Timing Circuit 4A30-SOHC-MPI
- 37. Ignition Timing Circuit 4A30-DOHC-MPI
- 38. Charge & Alternator Circuits Part 1
- 39. Charge & Alternator Circuits Part 2 (IC Regulator)
- 40. SOHC-Carbureted Engine Control & Fuel Pump Circuit Part 1
- 41. SOHC-Carbureted Engine Control & Fuel Pump Circuit Part 2
- 42. 3G83-SOHC-MPI Engine Control & Fuel Pump Circuit Part 1
- 43. 3G83-SOHC-MPI Engine Control & Fuel Pump Circuit Part 2
- 44. 3G83-SOHC-MPI Engine Control & Fuel Pump Circuit Part 3
- 45. 3G83-SOHC-MPI Engine Control & Fuel Pump Circuit Part 4
- 46. 3G83-SOHC-MPI Engine Control & Fuel Pump Circuit Part 5
- 47. 3G83-SOHC-MPI Engine Control & Fuel Pump Circuit Part 6
- 48. 4A30-SOHC-MPI Engine Control & Fuel Pump Circuit Part 1
- 49. 4A30-SOHC-MPI Engine Control & Fuel Pump Circuit Part 2
- 50. 4A30-SOHC-MPI Engine Control & Fuel Pump Circuit Part 3
- 51. 4A30-SOHC-MPI Engine Control & Fuel Pump Circuit Part 4
- 52. 4A30-SOHC-MPI Engine Control & Fuel Pump Circuit Part 5

- 53. 4A30-SOHC-MPI Engine Control & Fuel Pump Circuit Part 6**
- 54. DOHC-MPI Engine Control & Fuel Pump Circuit Part 1**
- 55. DOHC-MPI Engine Control & Fuel Pump Circuit Part 2**
- 56. DOHC-MPI Engine Control & Fuel Pump Circuit Part 3**
- 57. DOHC-MPI Engine Control & Fuel Pump Circuit Part 4**
- 58. DOHC-MPI Engine Control & Fuel Pump Circuit Part 5**
- 59. DOHC-MPI Engine Control & Fuel Pump Circuit Part 6**

Main Junction Block



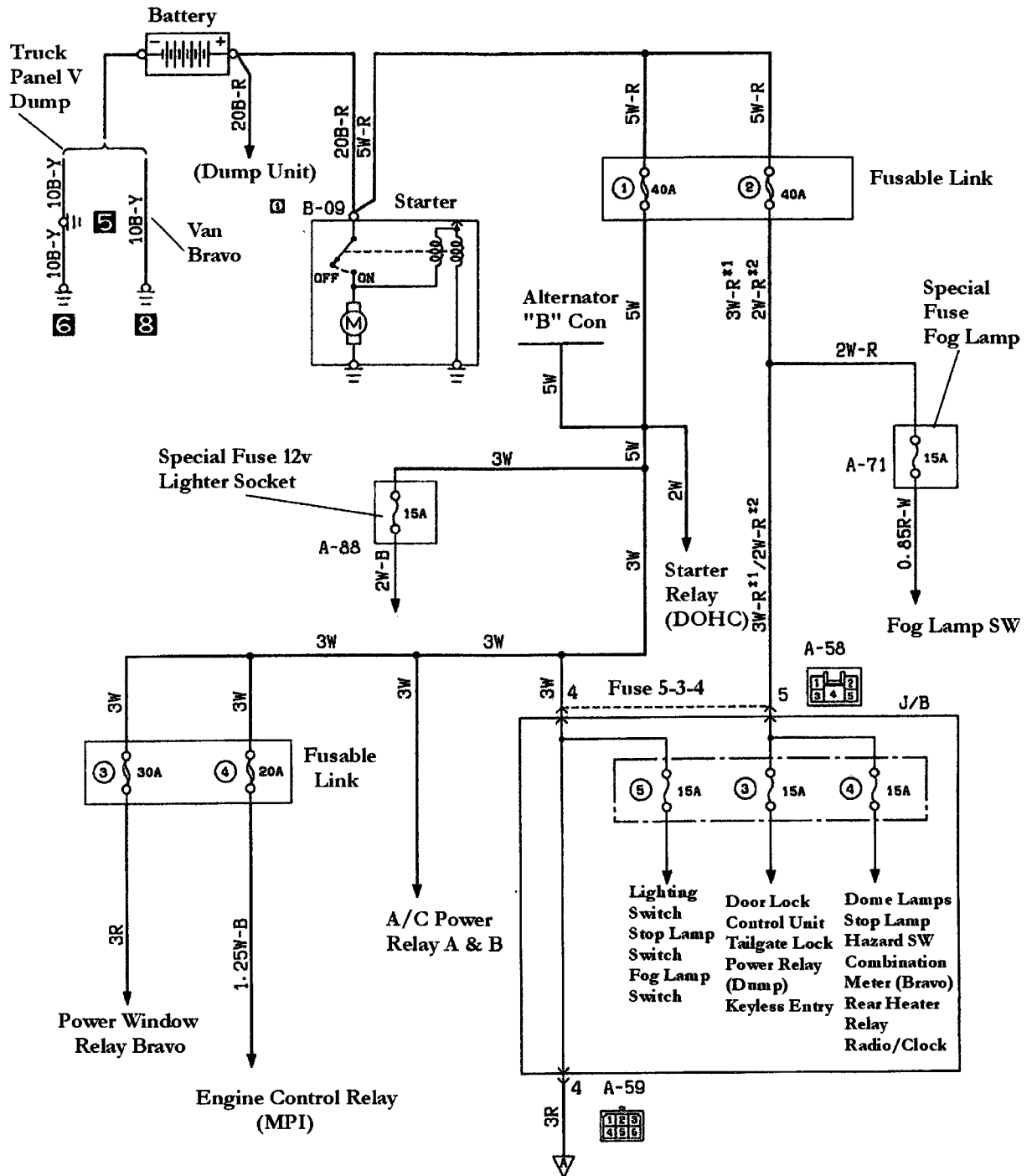
Main Fuse Box



Note: Fuse Amps Printed on Plastic Cover

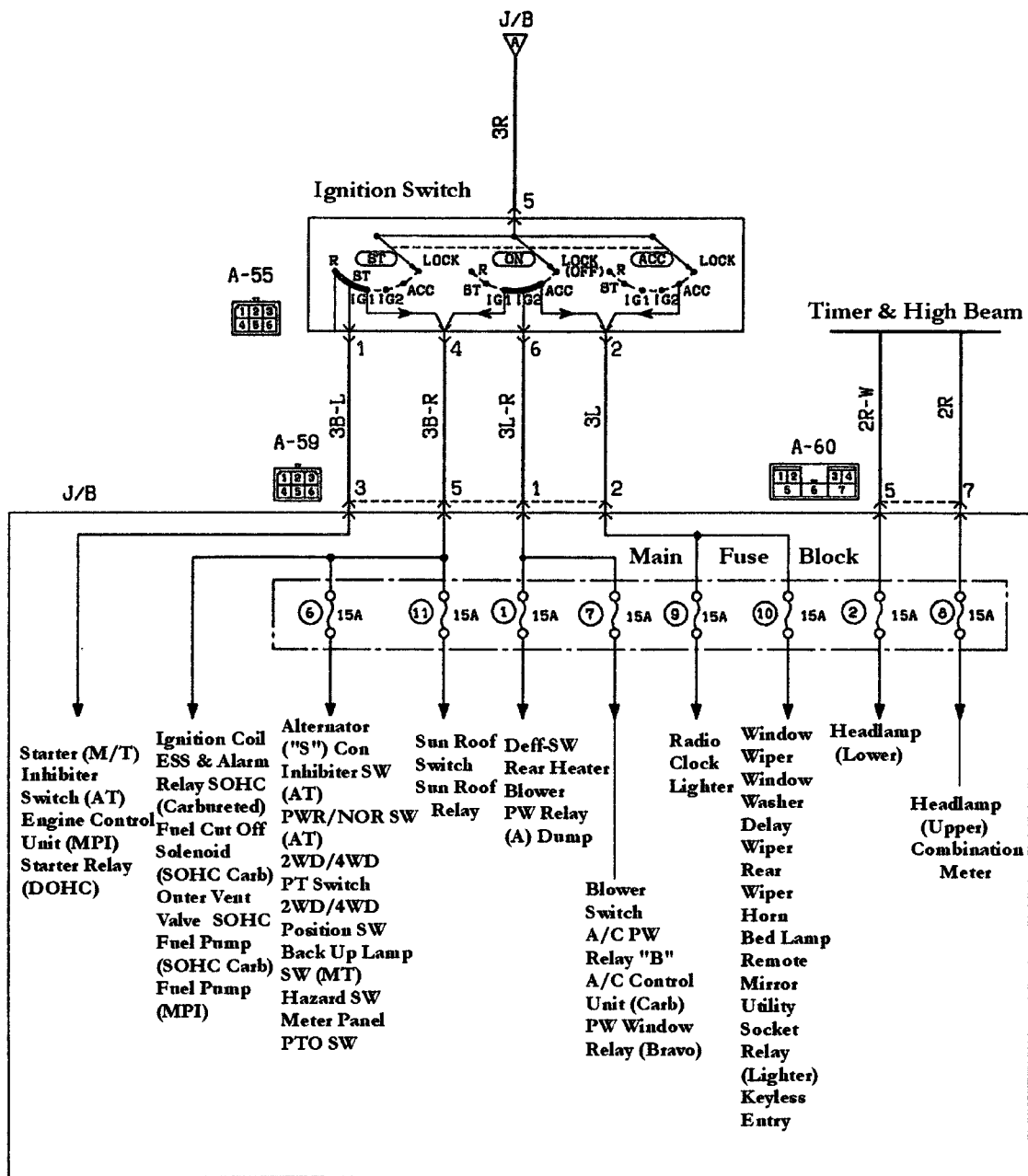
Main Power Circuit

Part 1



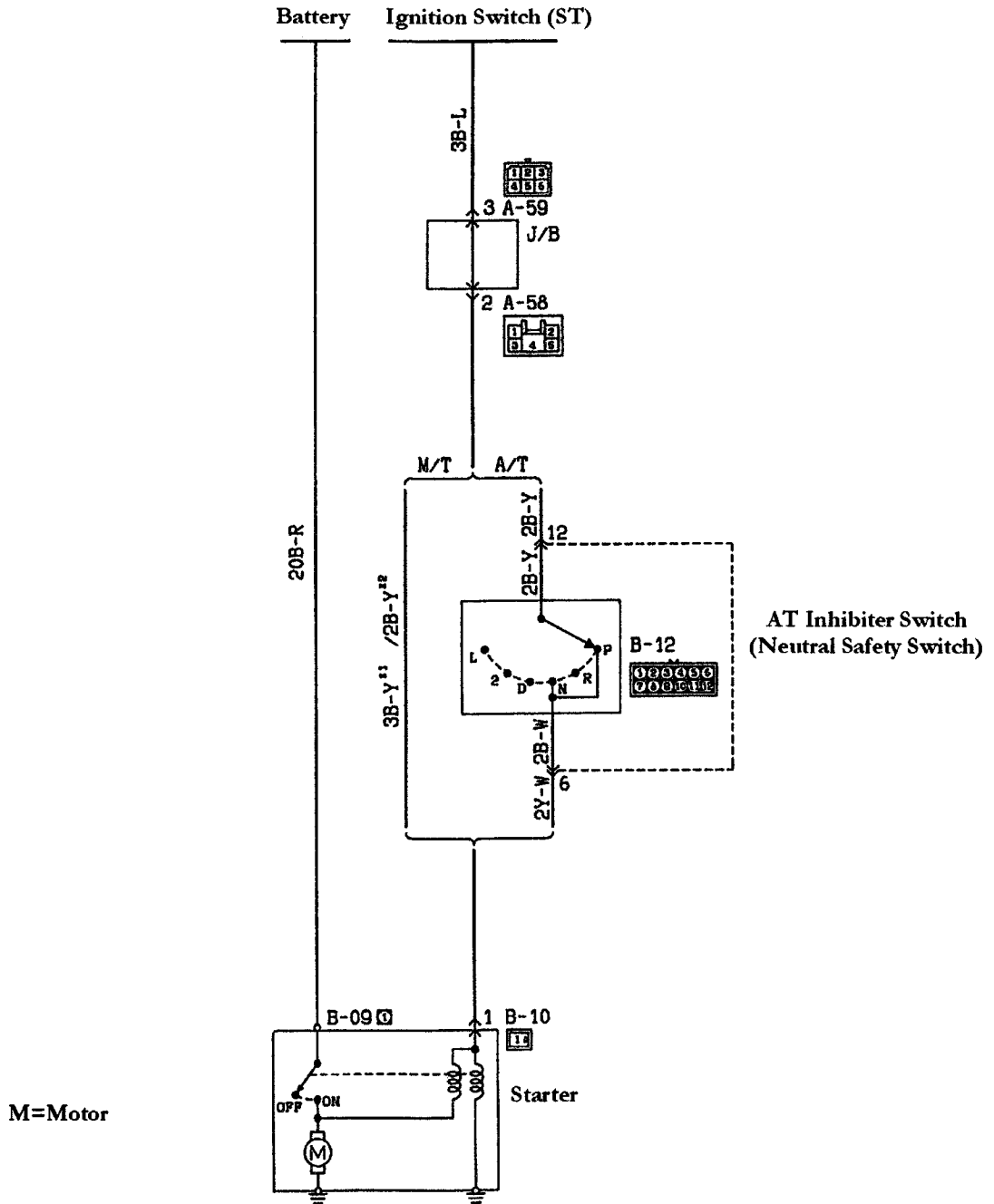
Main Power Circuit

Part 2



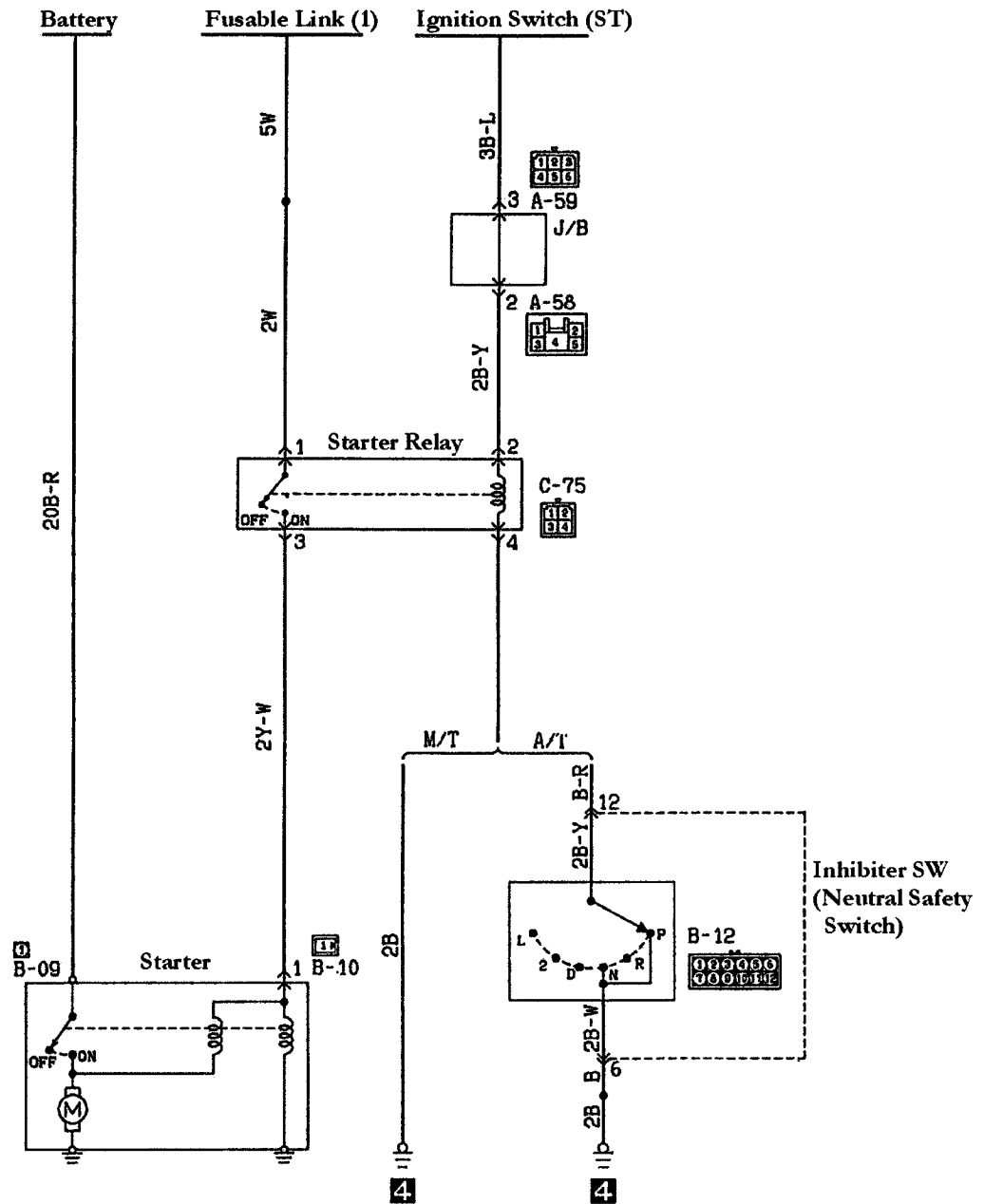
Starter Circuit

SOHC Vehicle



Starter Circuit

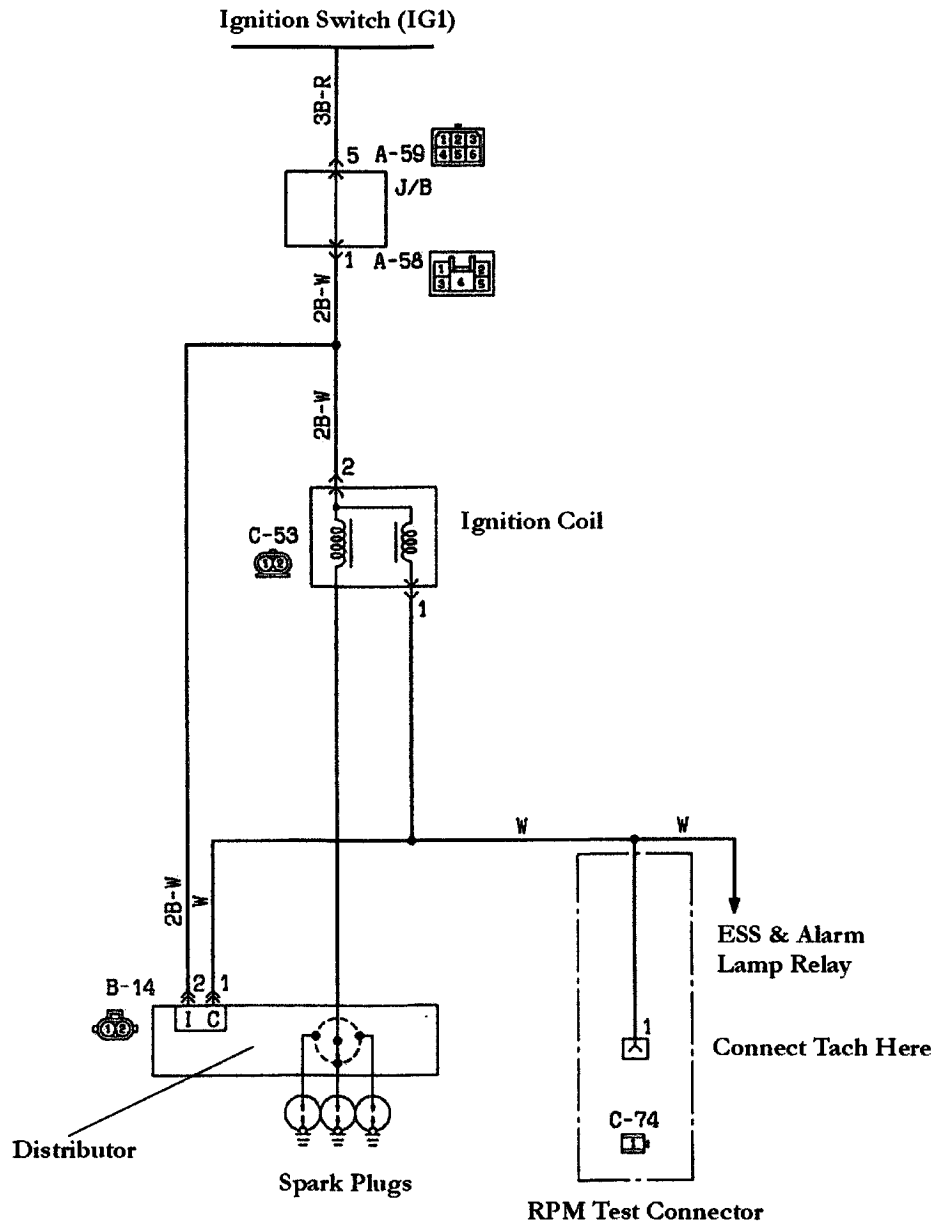
DOHC Vehicles



M=Motor

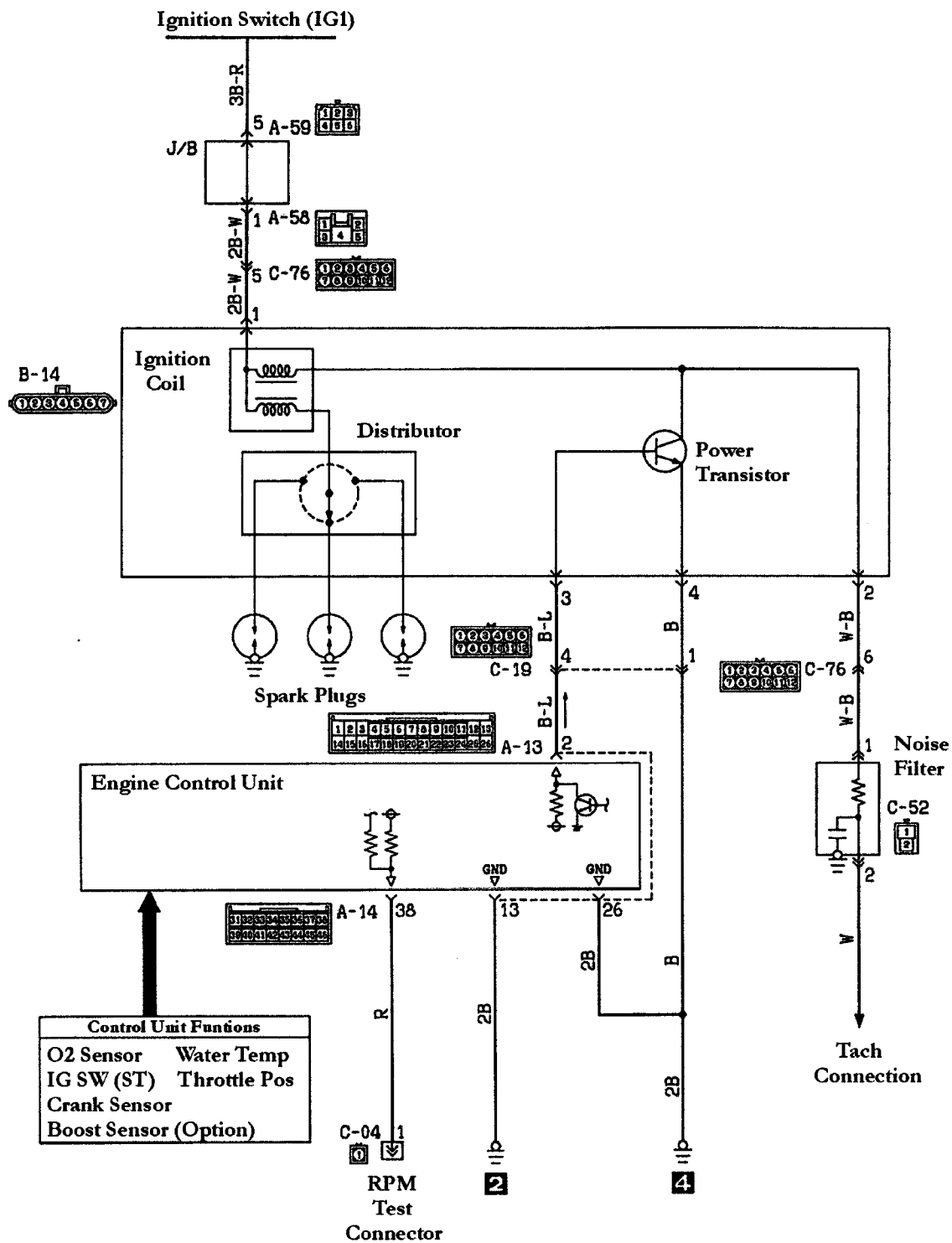
Ignition Timing

3G83-SOHC-Carbureted



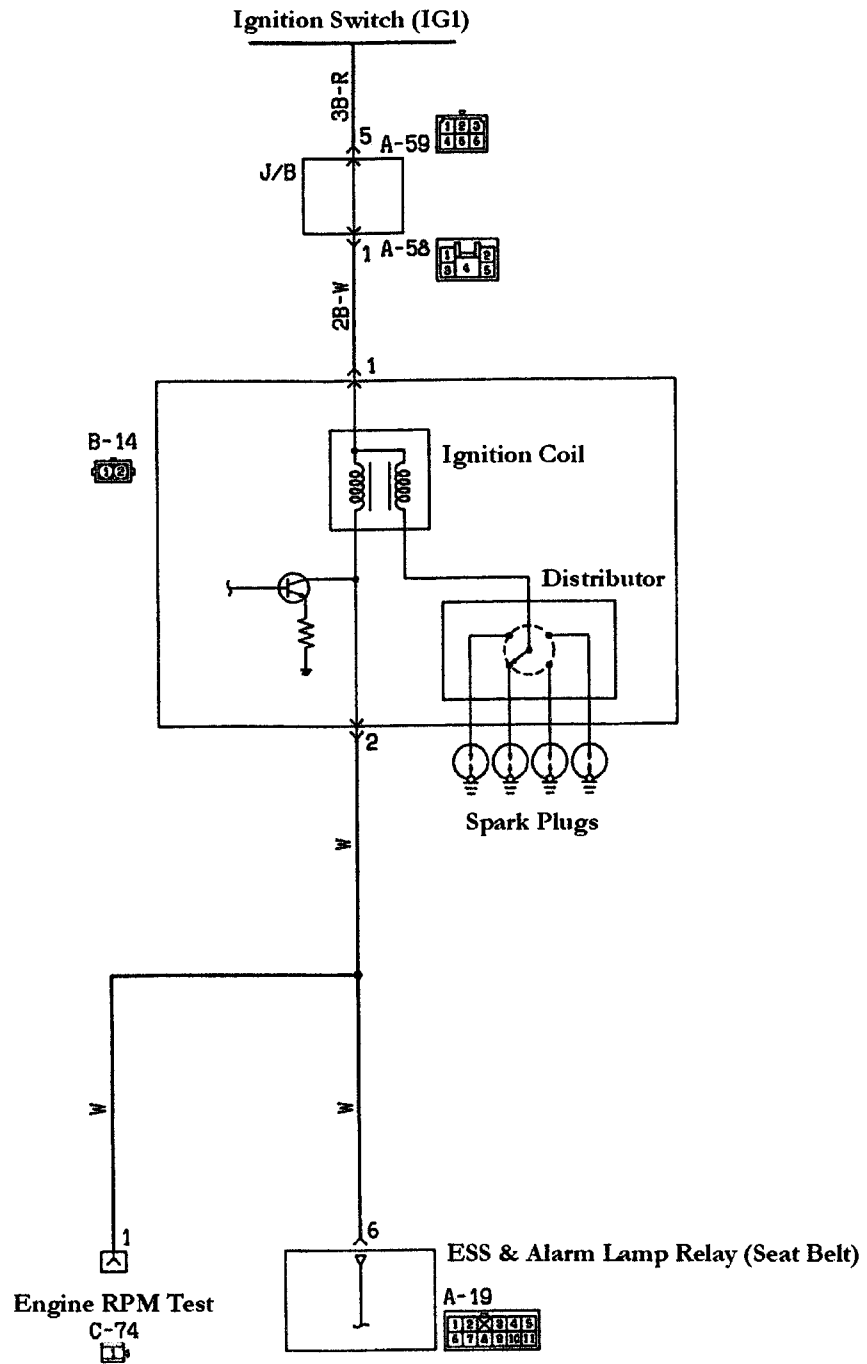
Ignition Timing

3G83-SOHC-MPI



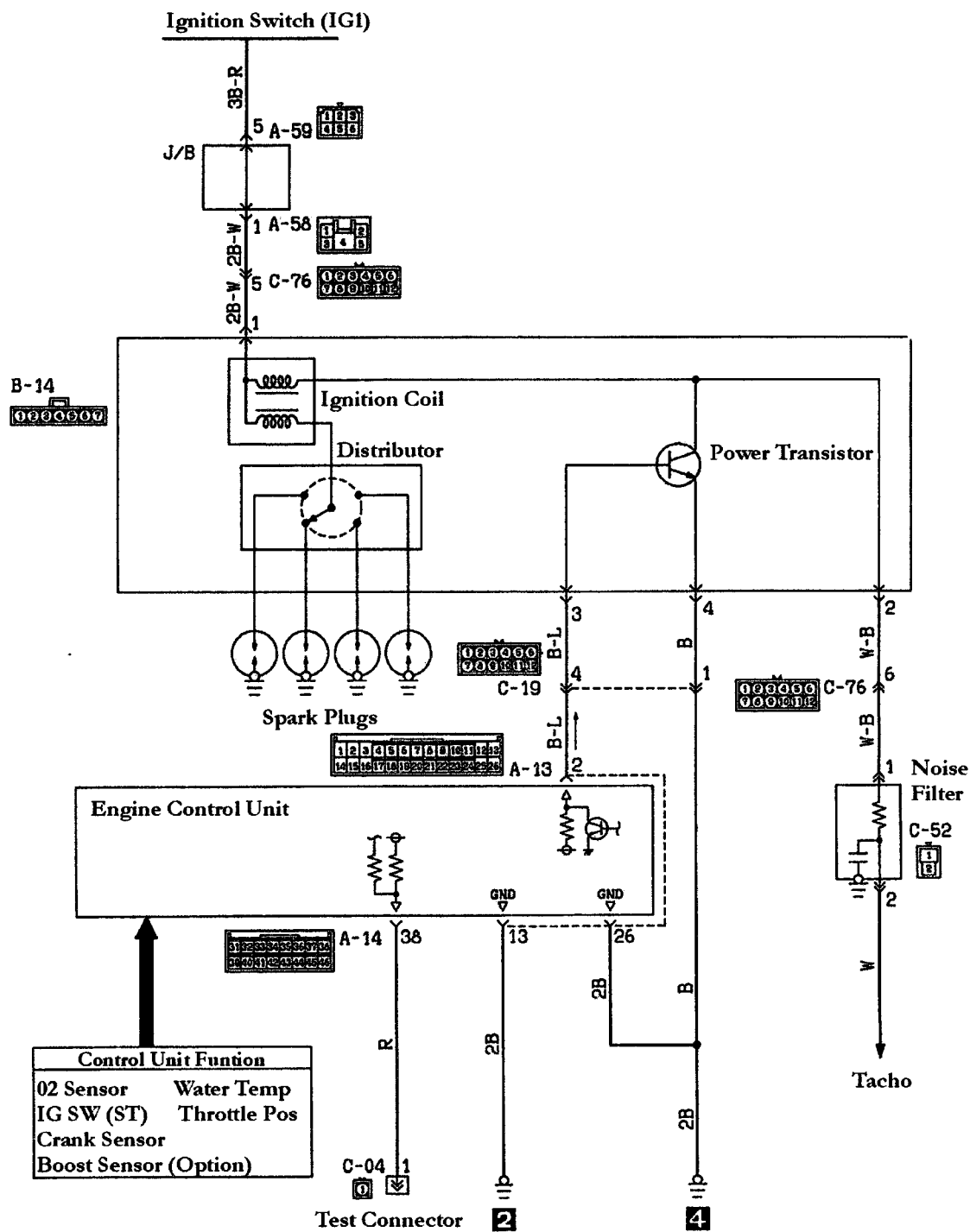
Ignition Timing

4A30-SOHC-Carbureted



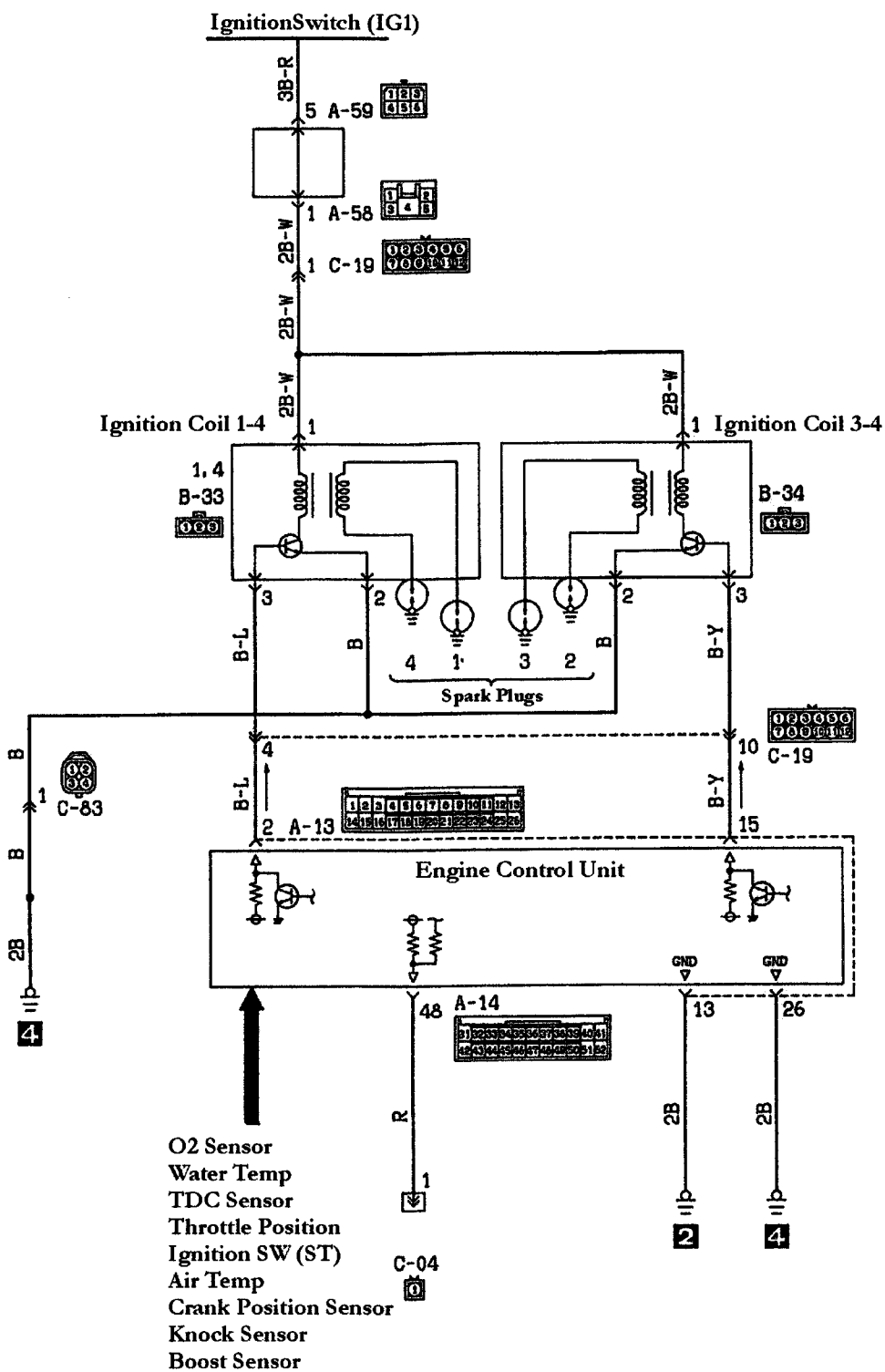
Ignition Timing

4A30-SOHC-MPI



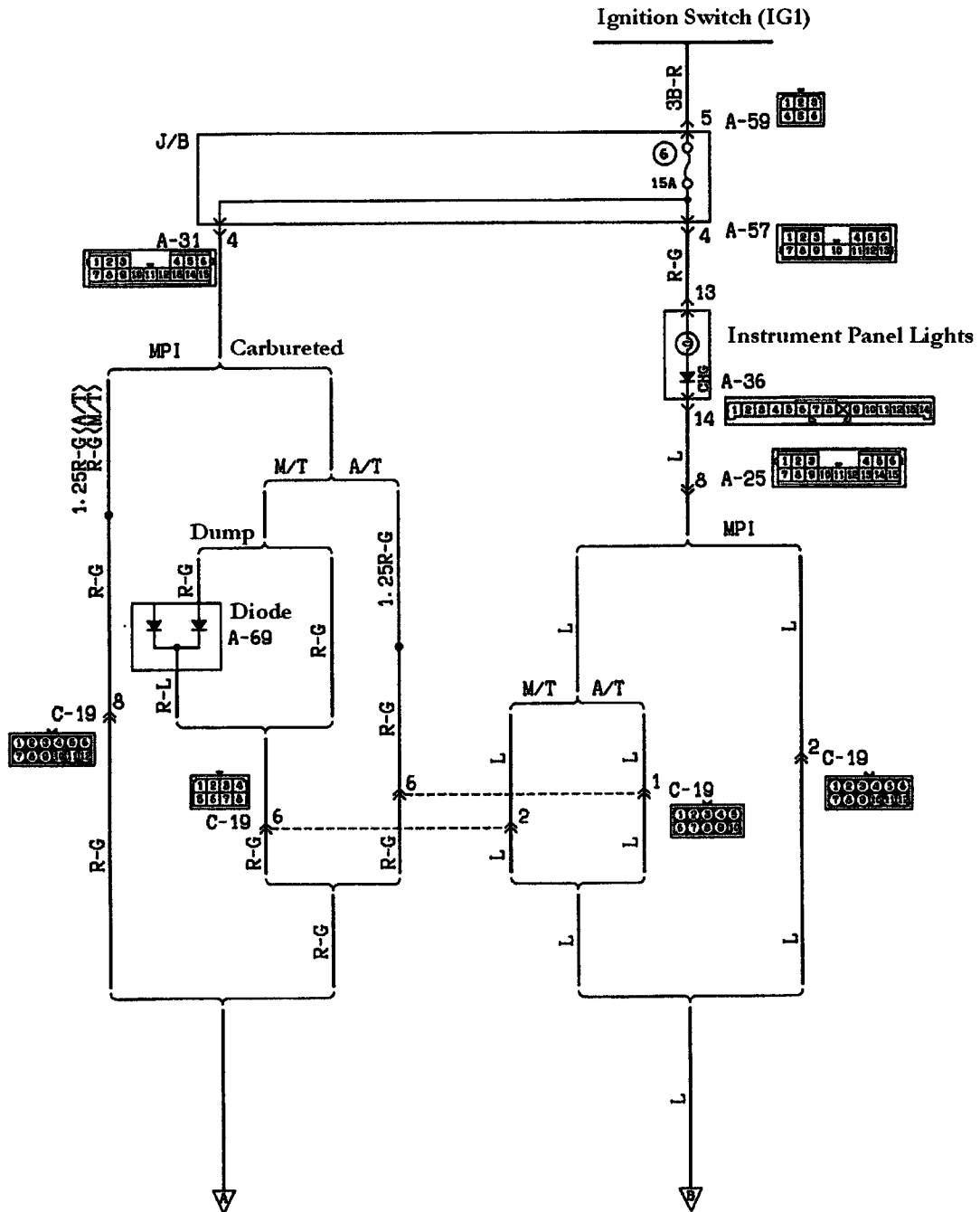
Ignition Timing

4A30-DOHC-MPI



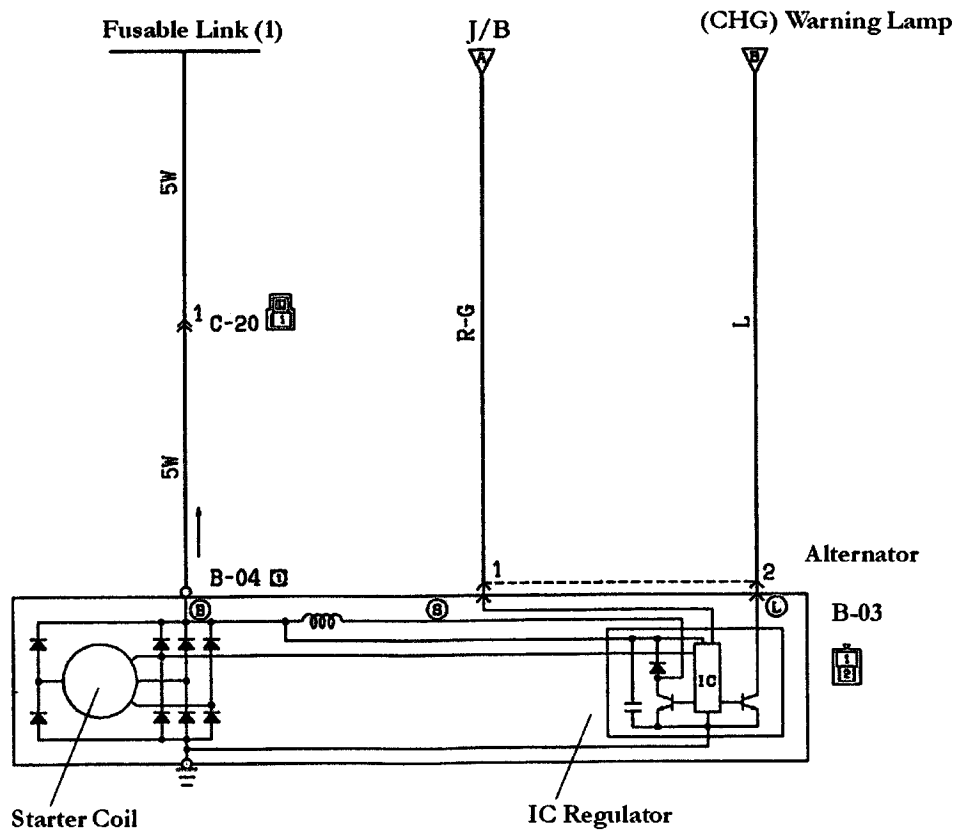
Charge & Alternator Circuits

Part 1



Charge & Alternator Circuits

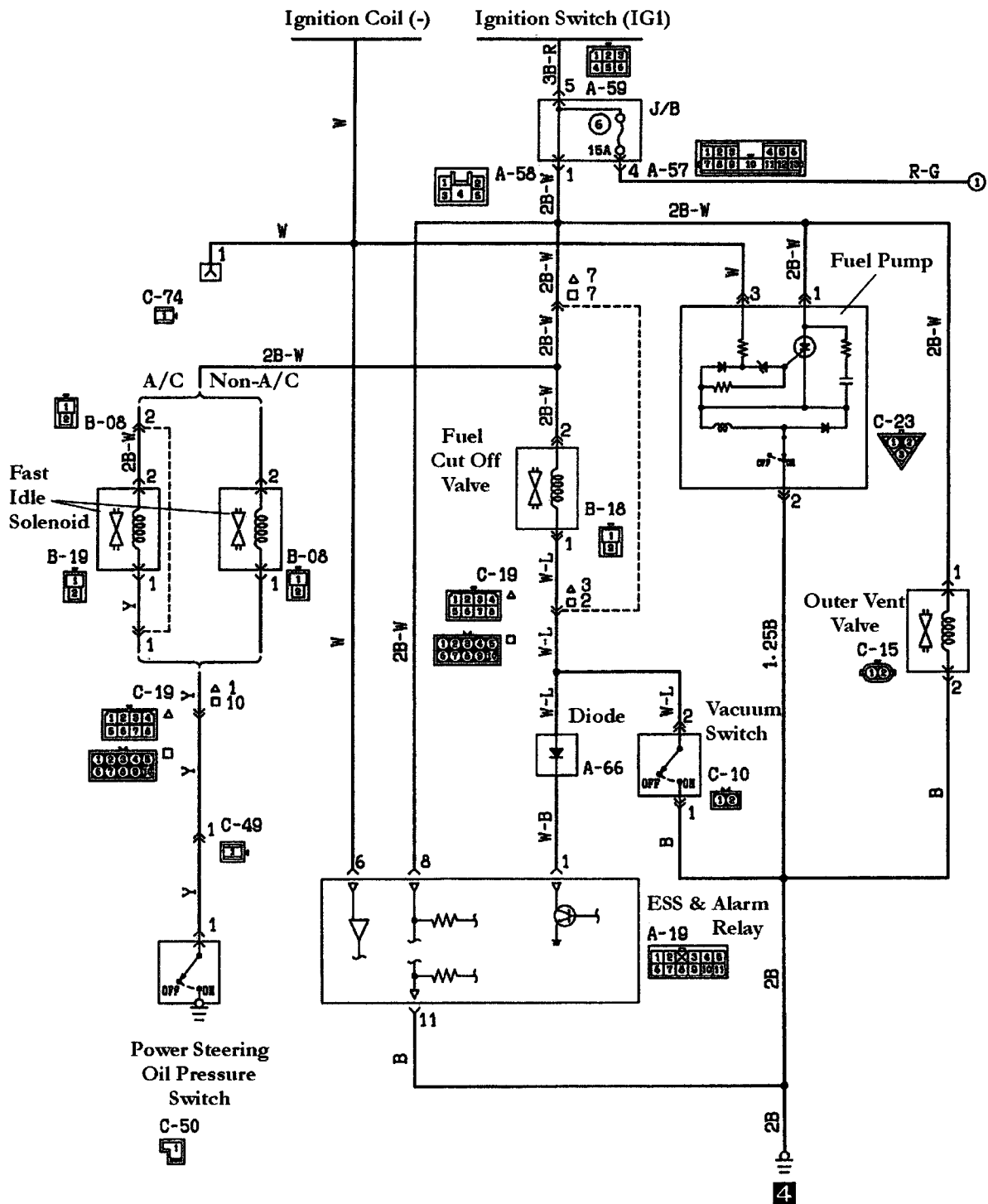
Part 2



Engine Control Circuits

SOHC-Carbureted Including Fuel Pump Circuit

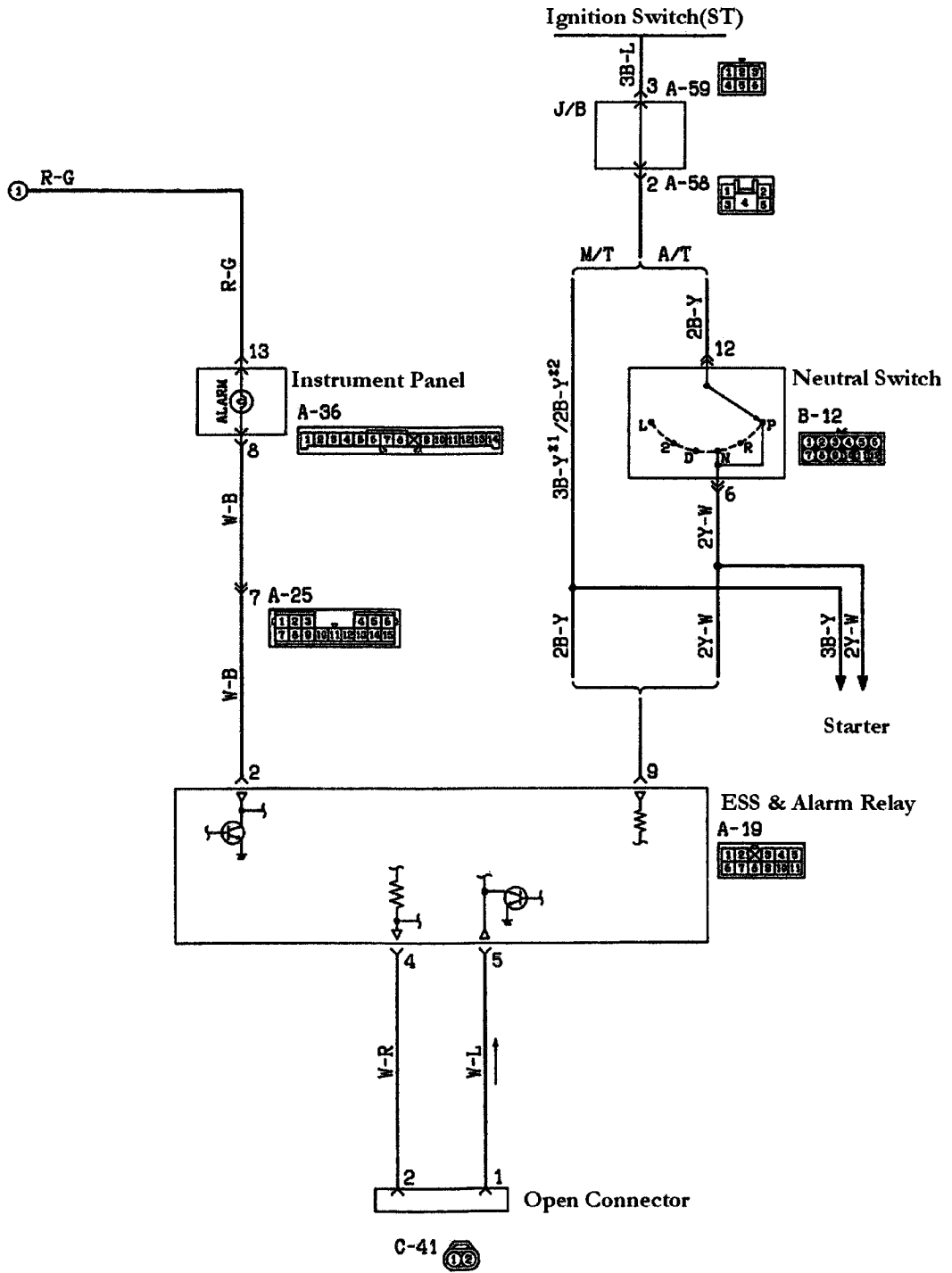
Part 1



Engine Control Circuits

SOHC-Carbureted Including Fuel Pump Circuit

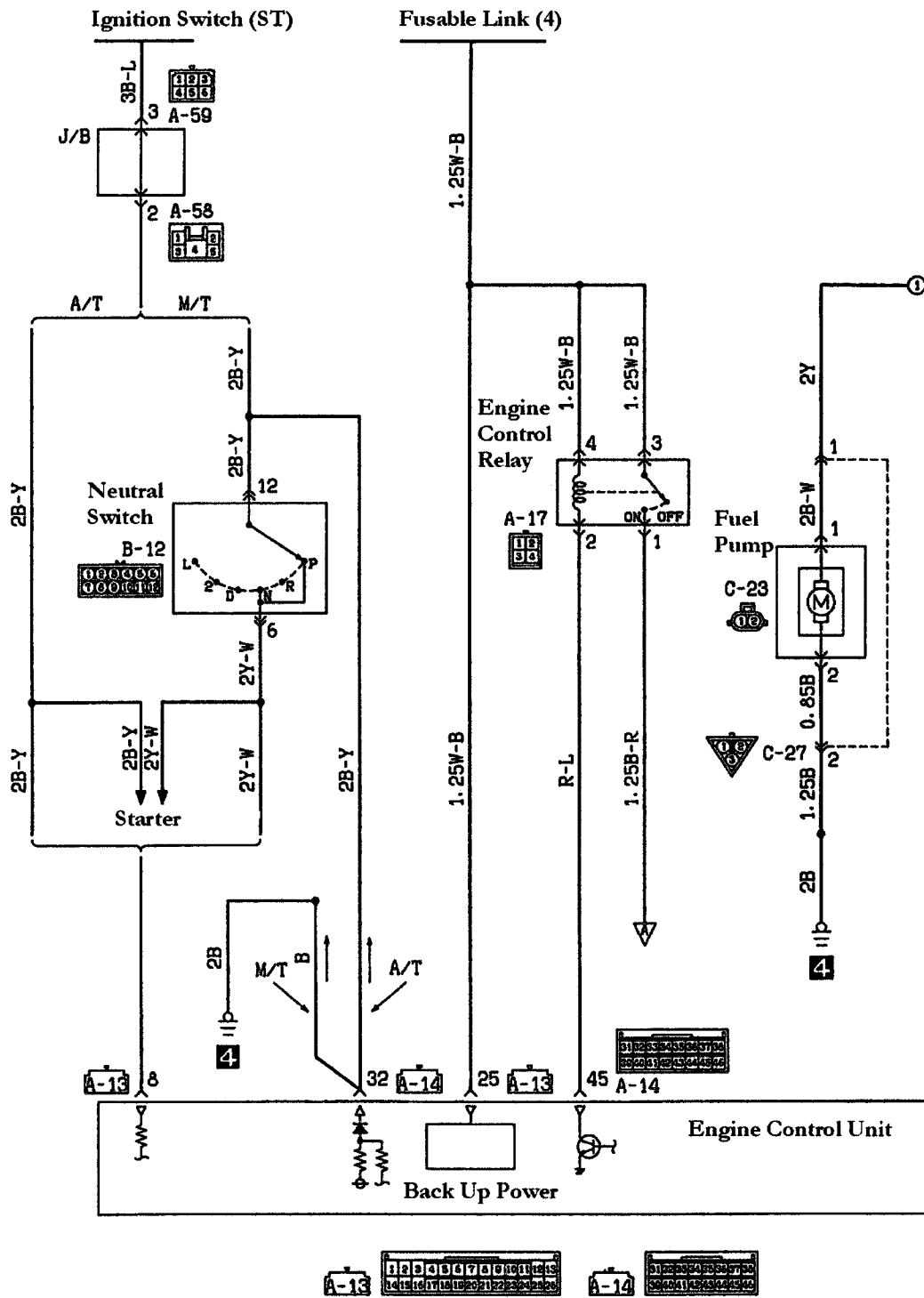
Part 2



Engine Control Circuits

3G83-SOHC-MPI Including Fuel Pump Circuits

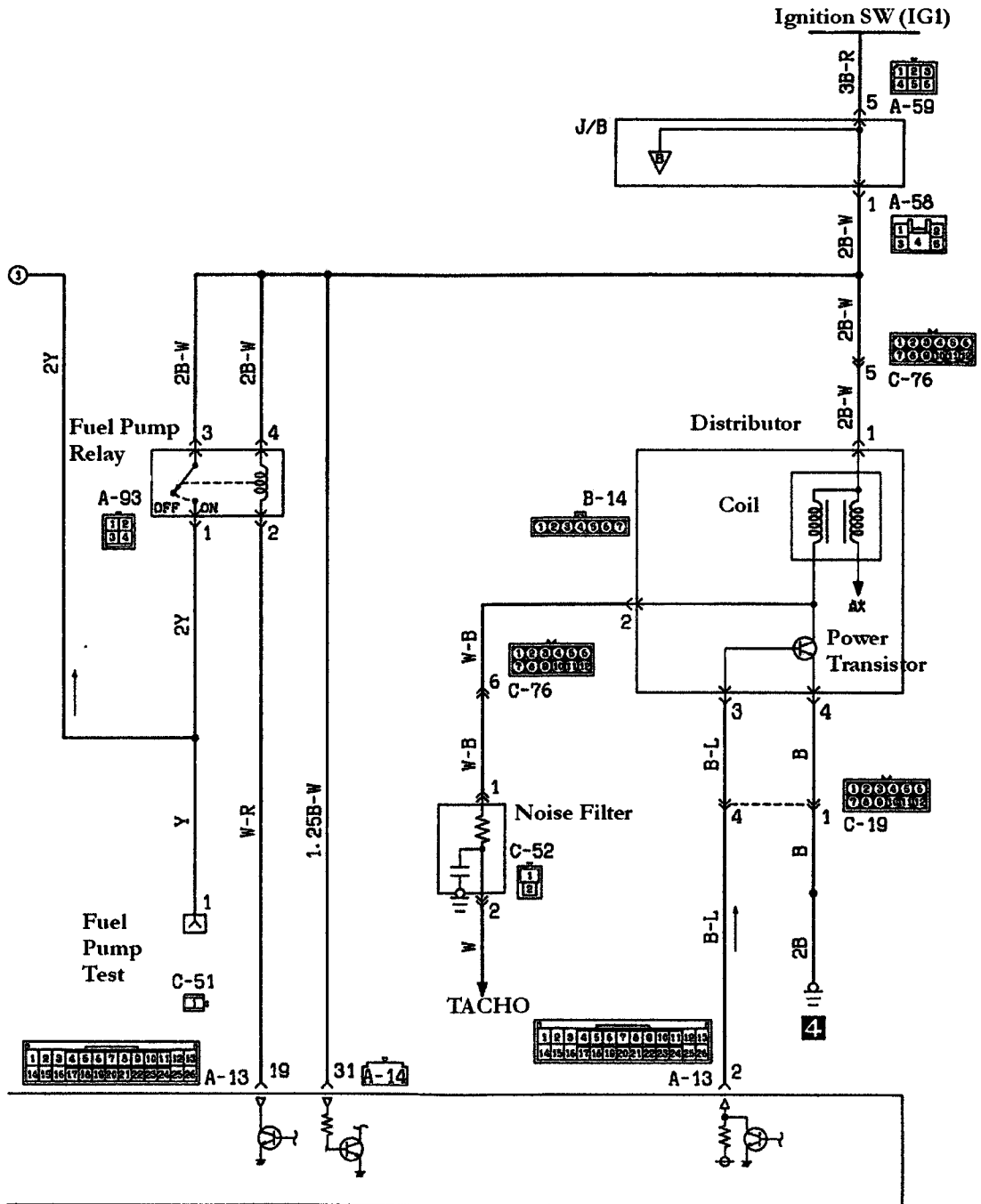
Part 1



Engine Control Circuits

3G83-SOHC-MPI Including Fuel Pump Circuits

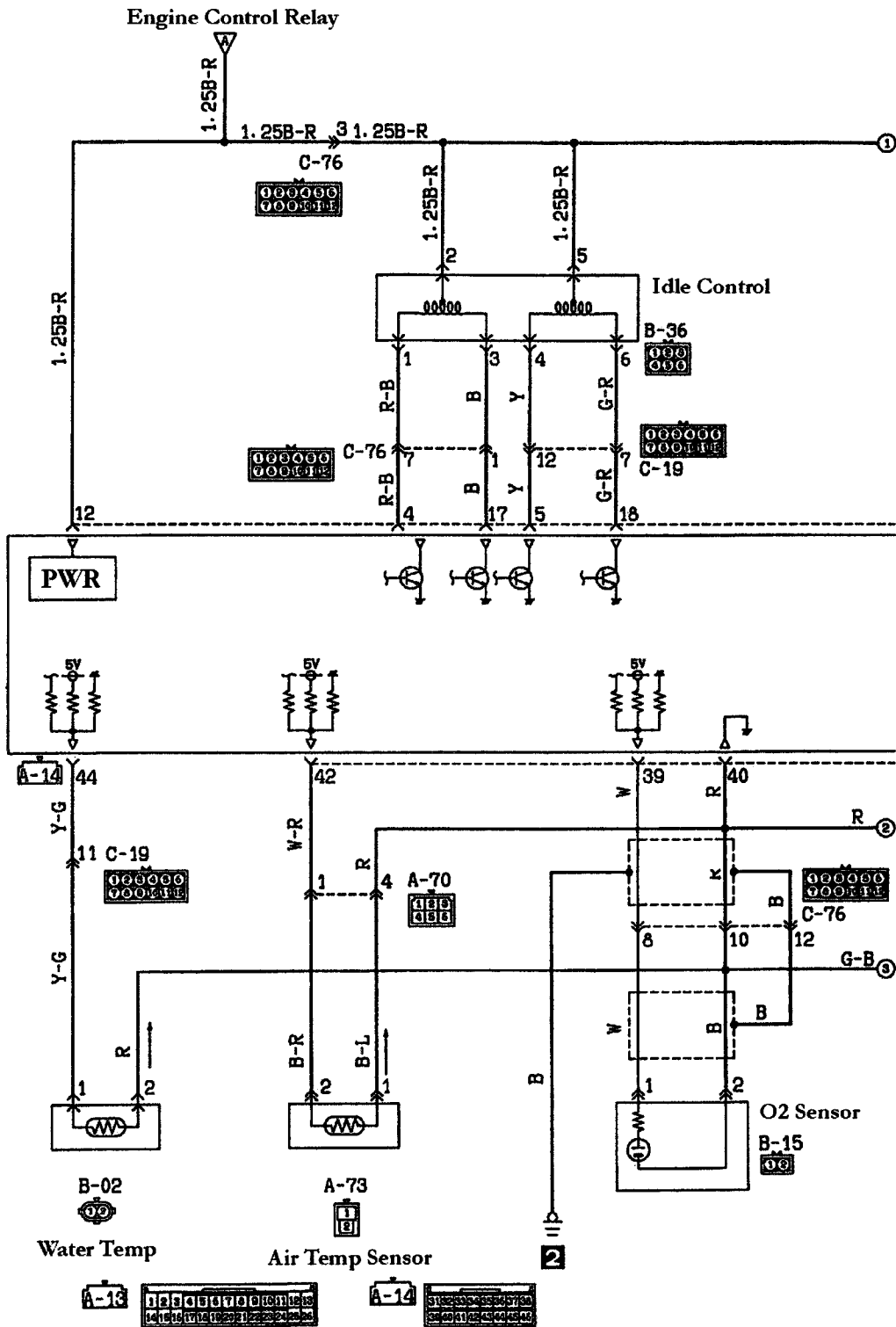
Part 2



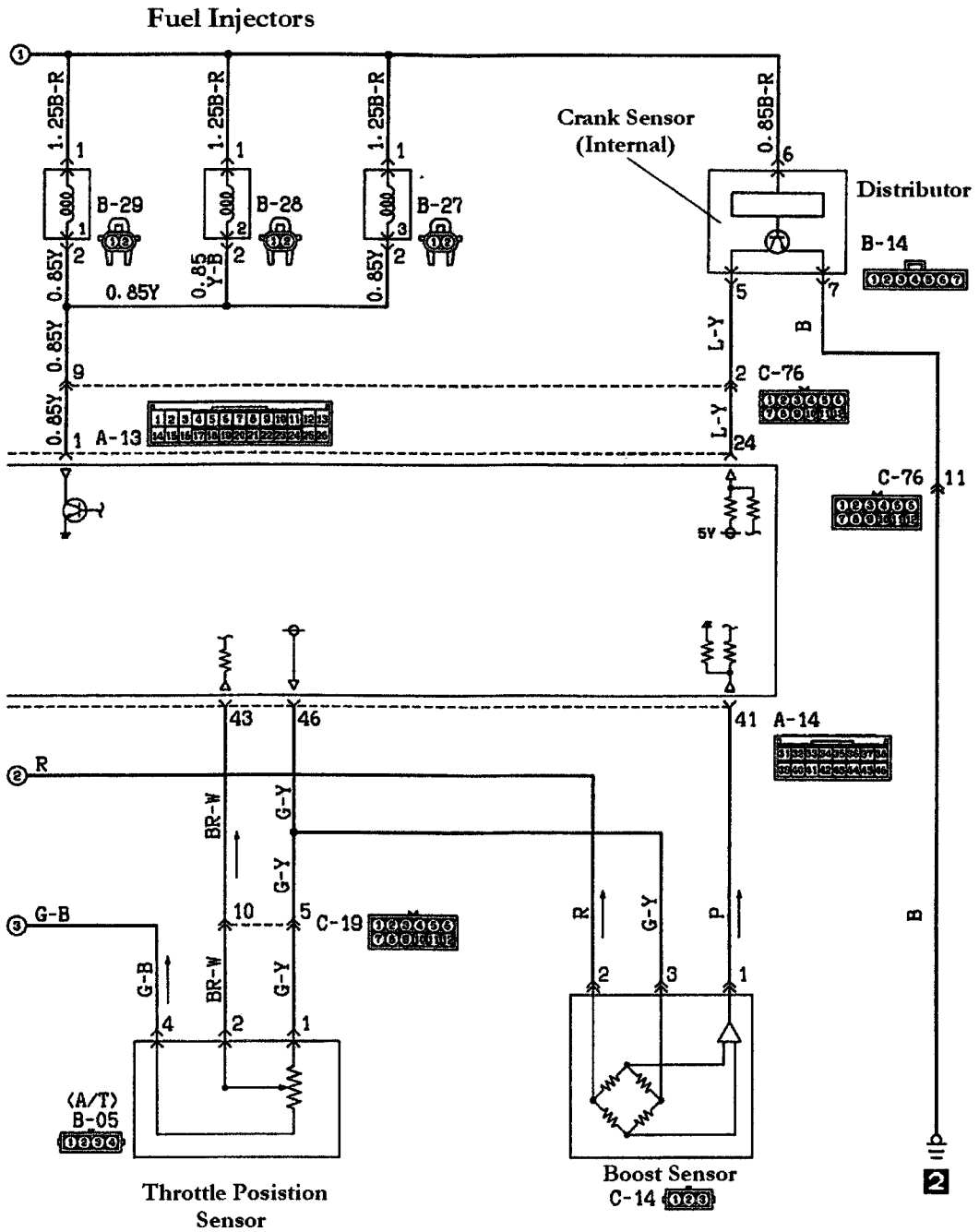
Engine Control Circuits

3G83-SOHC-MPI Including Fuel Pump Circuits

Part 3



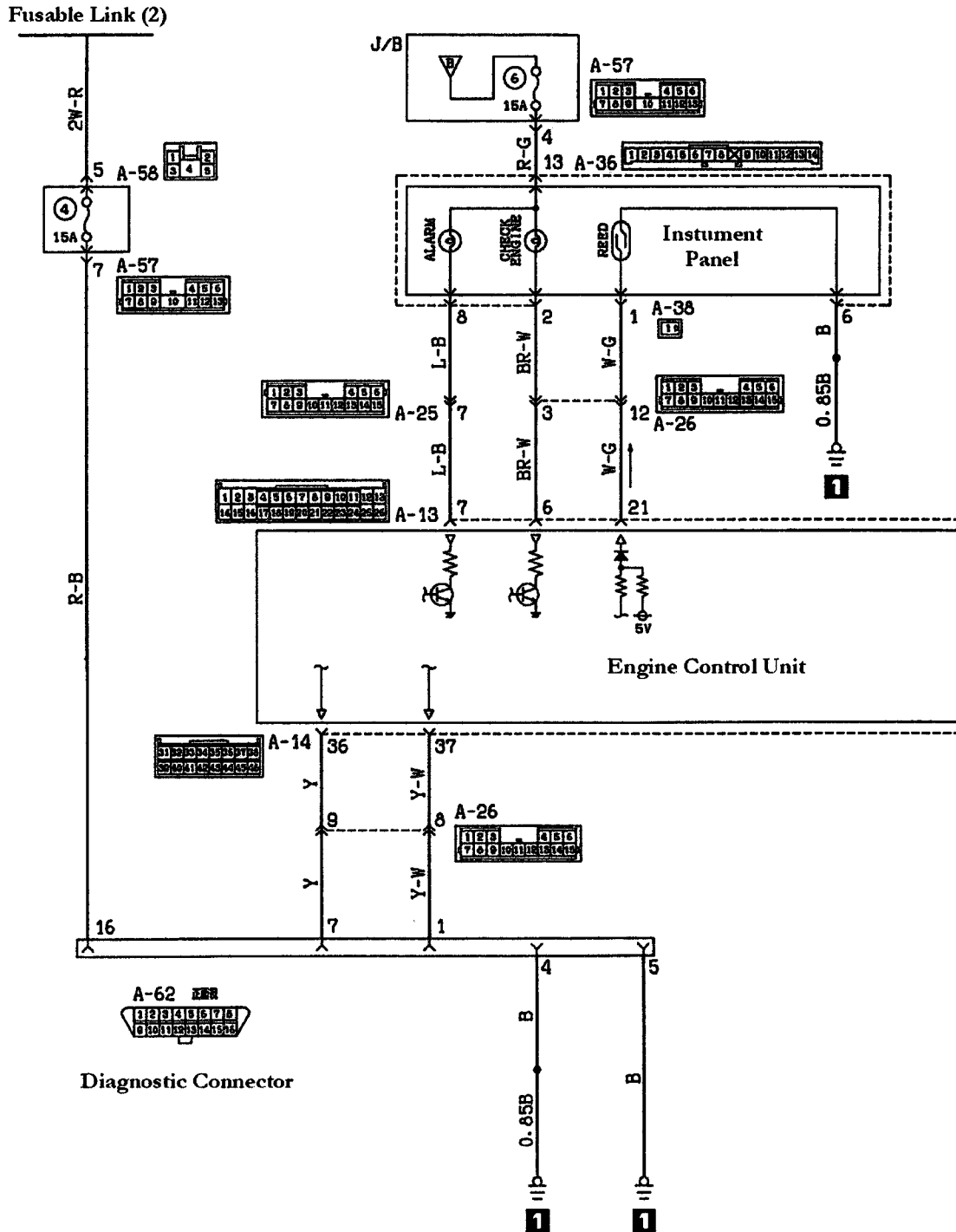
Engine Control Circuits



Engine Control Circuits

3G83-SOHC-MPI Including Fuel Pump Circuits

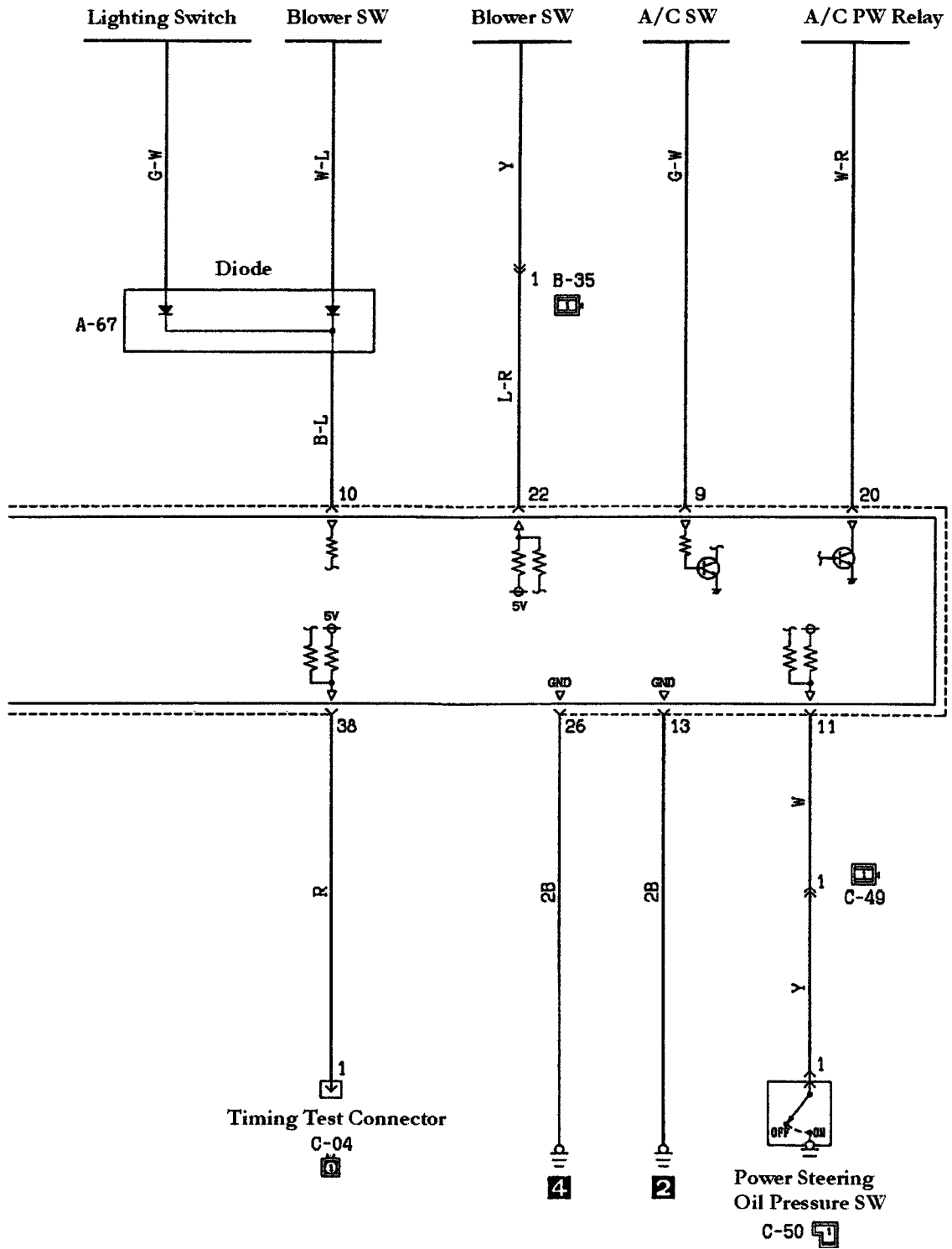
Part 5



Engine Control Circuits

3G83-SOHC-MPI Including Fuel Pump Circuits

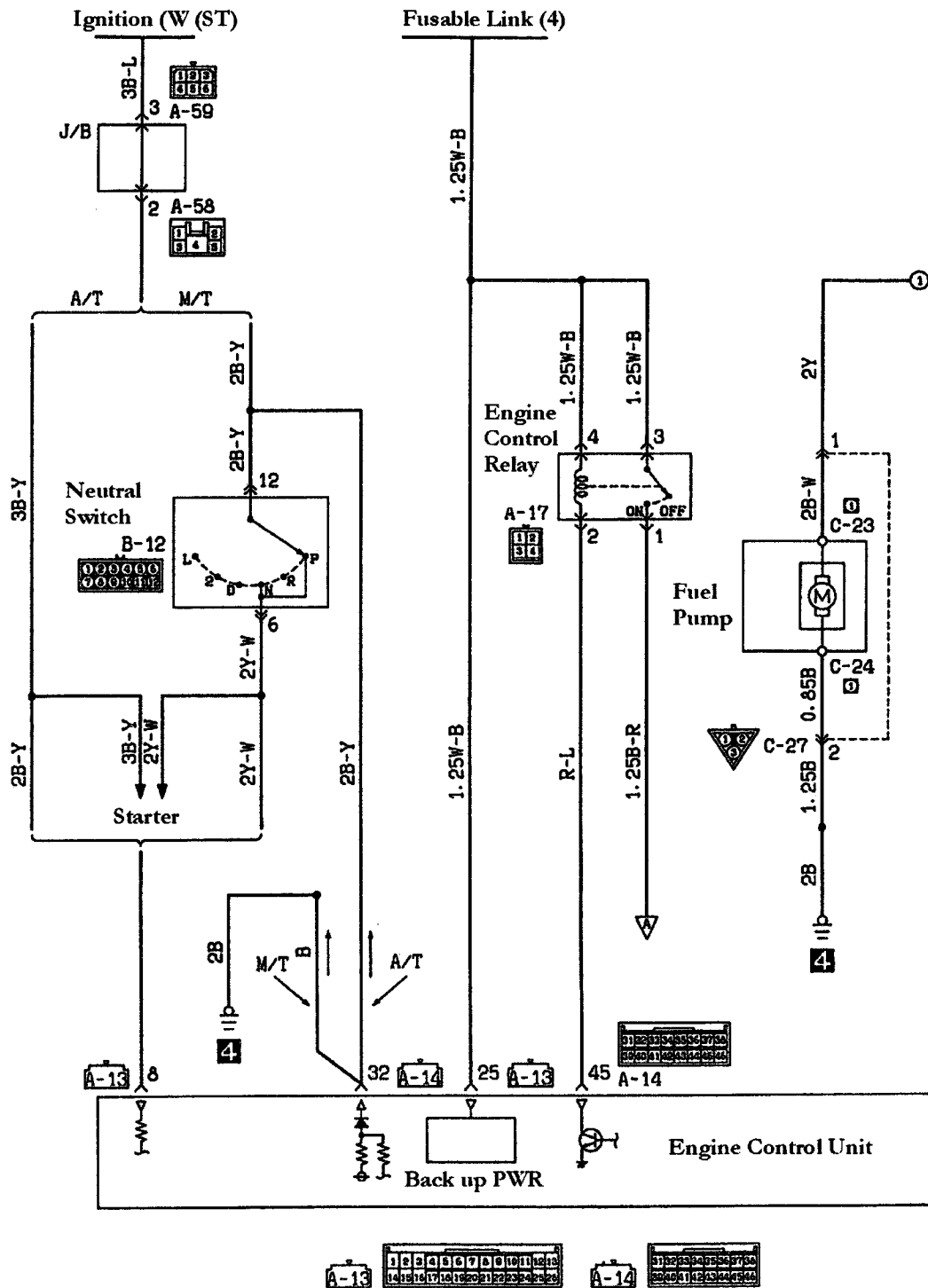
Part 6



Engine Control Circuits

4A30-SOHC-MPI Complete

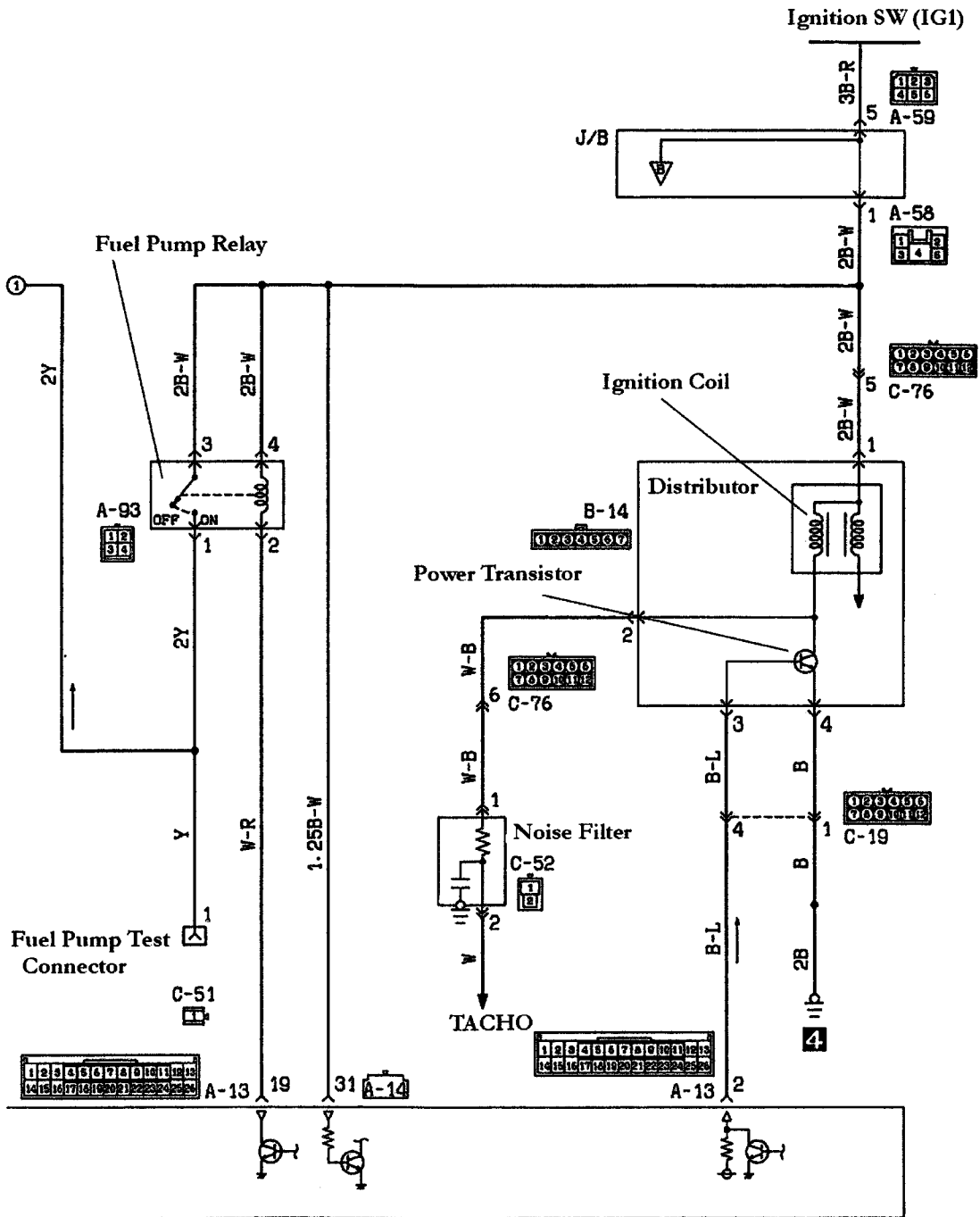
Part 1



Engine Control Circuits

4A30-SOHC-MPI Complete

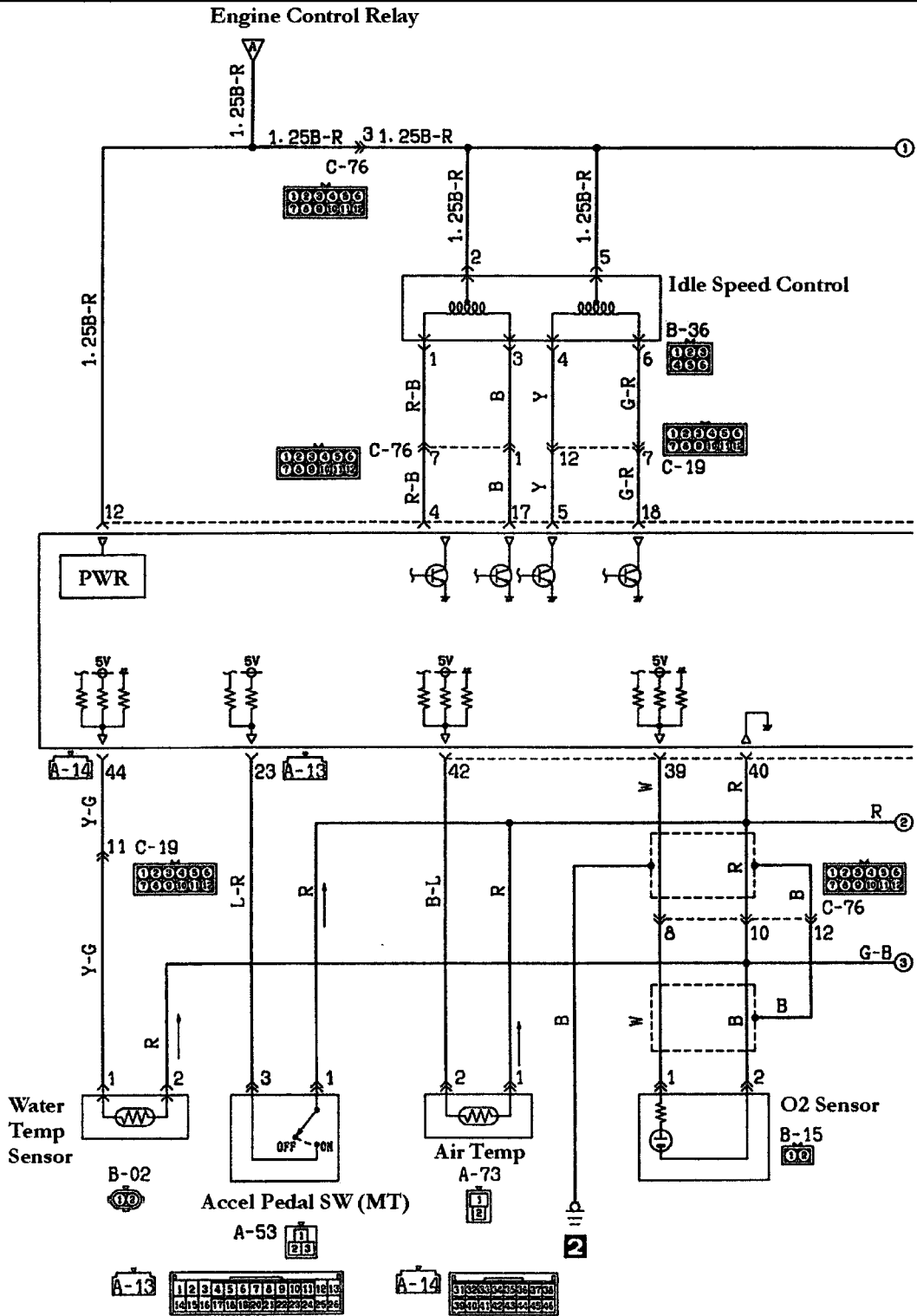
Part 2



Engine Control Circuits

4A30-SOHC-MPI

Part 3

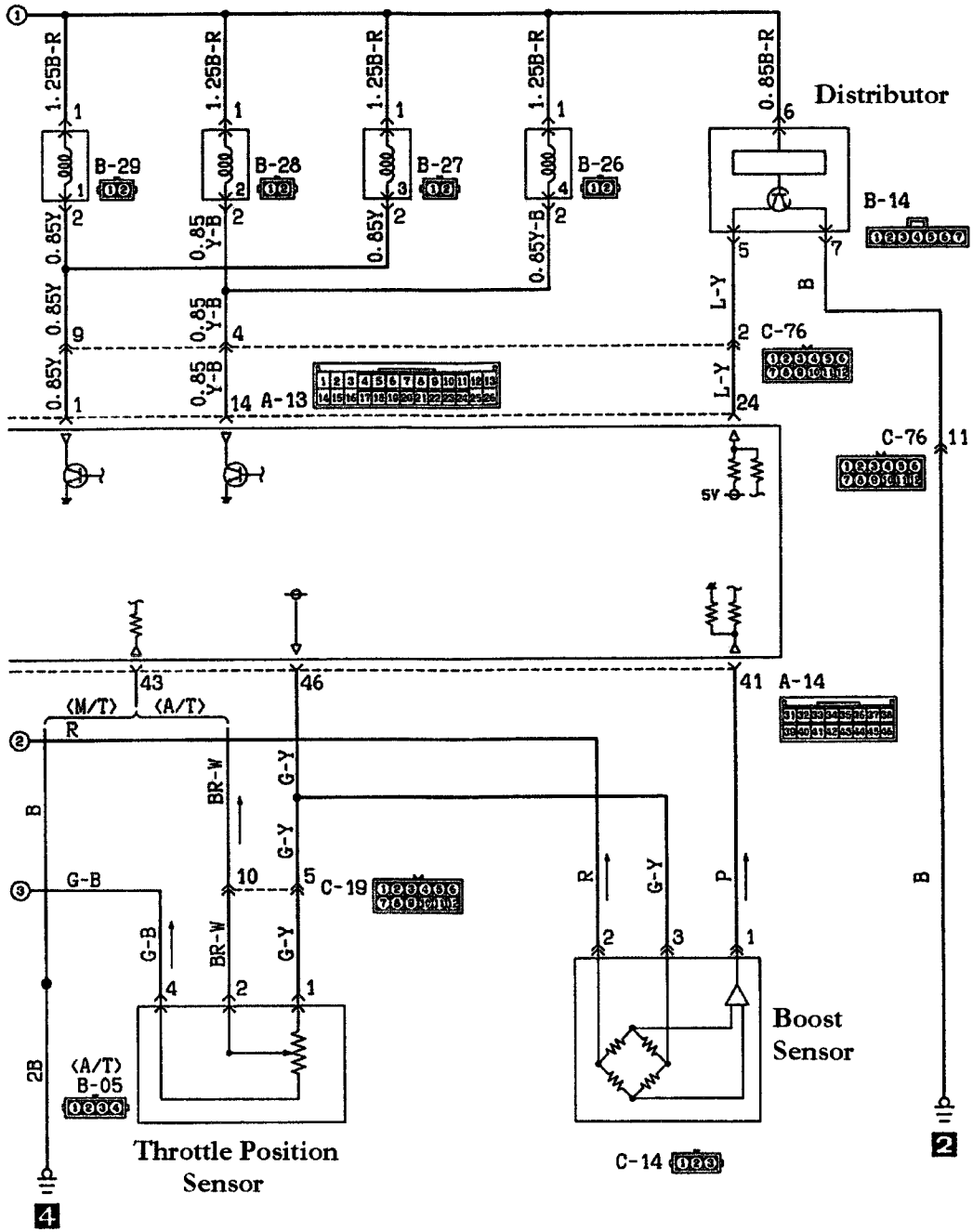


Engine Control Circuits

4A30-SOHC-MPI

Part 4

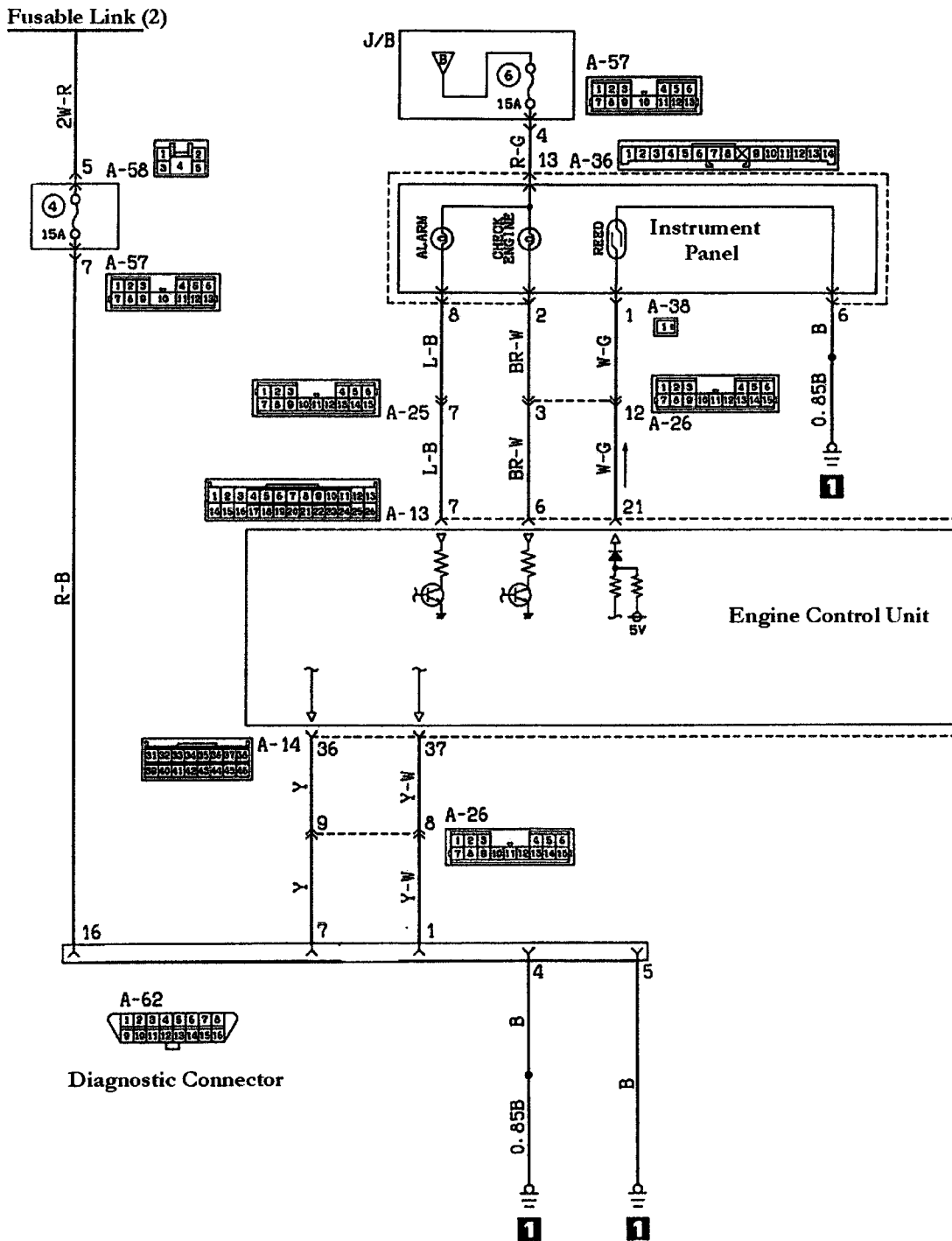
Fuel Injectors 1-2-3-4



Engine Control Circuits

4A30-SOHC-MPI

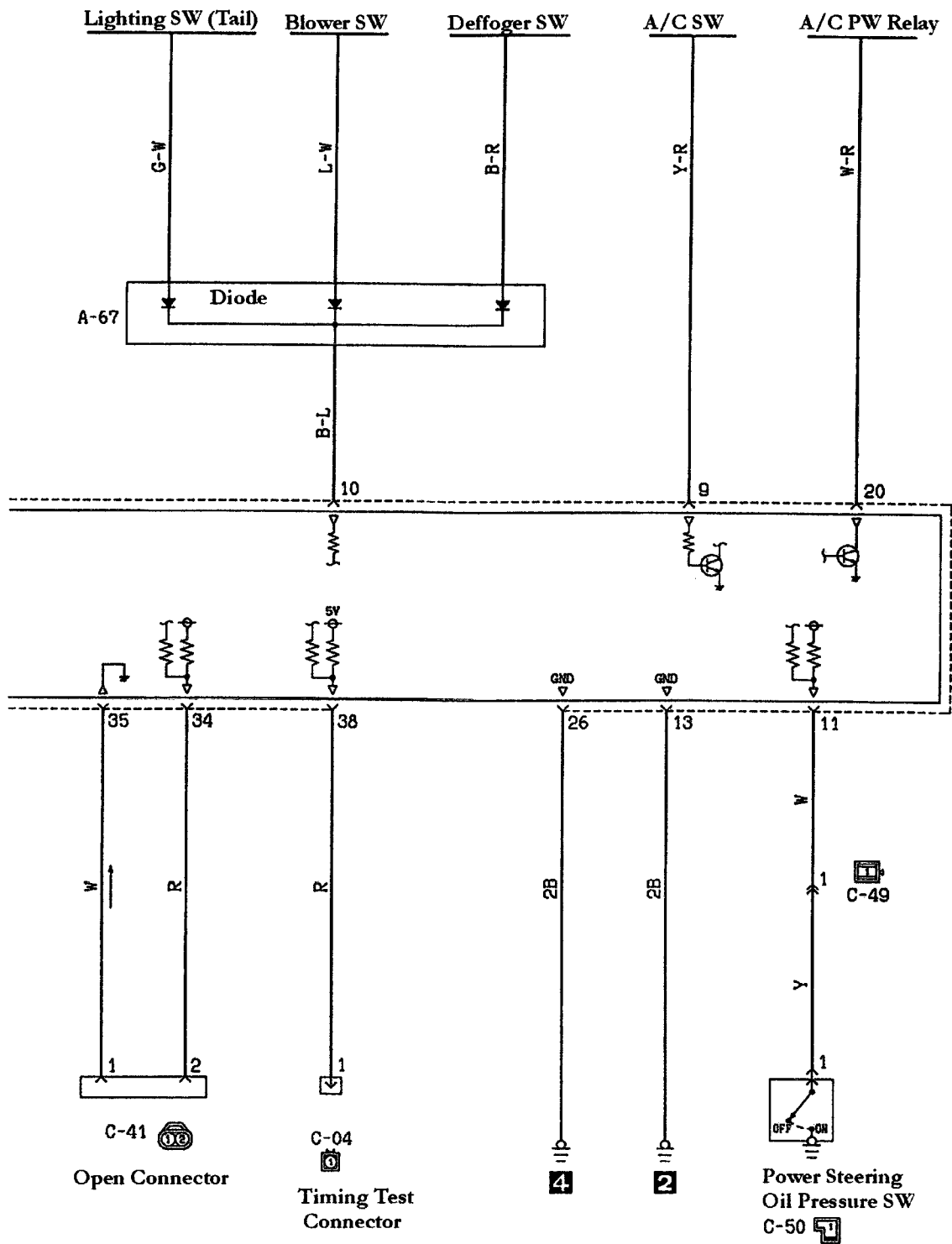
Part 5



Engine Control Circuits

4A30-SOHC-MPI

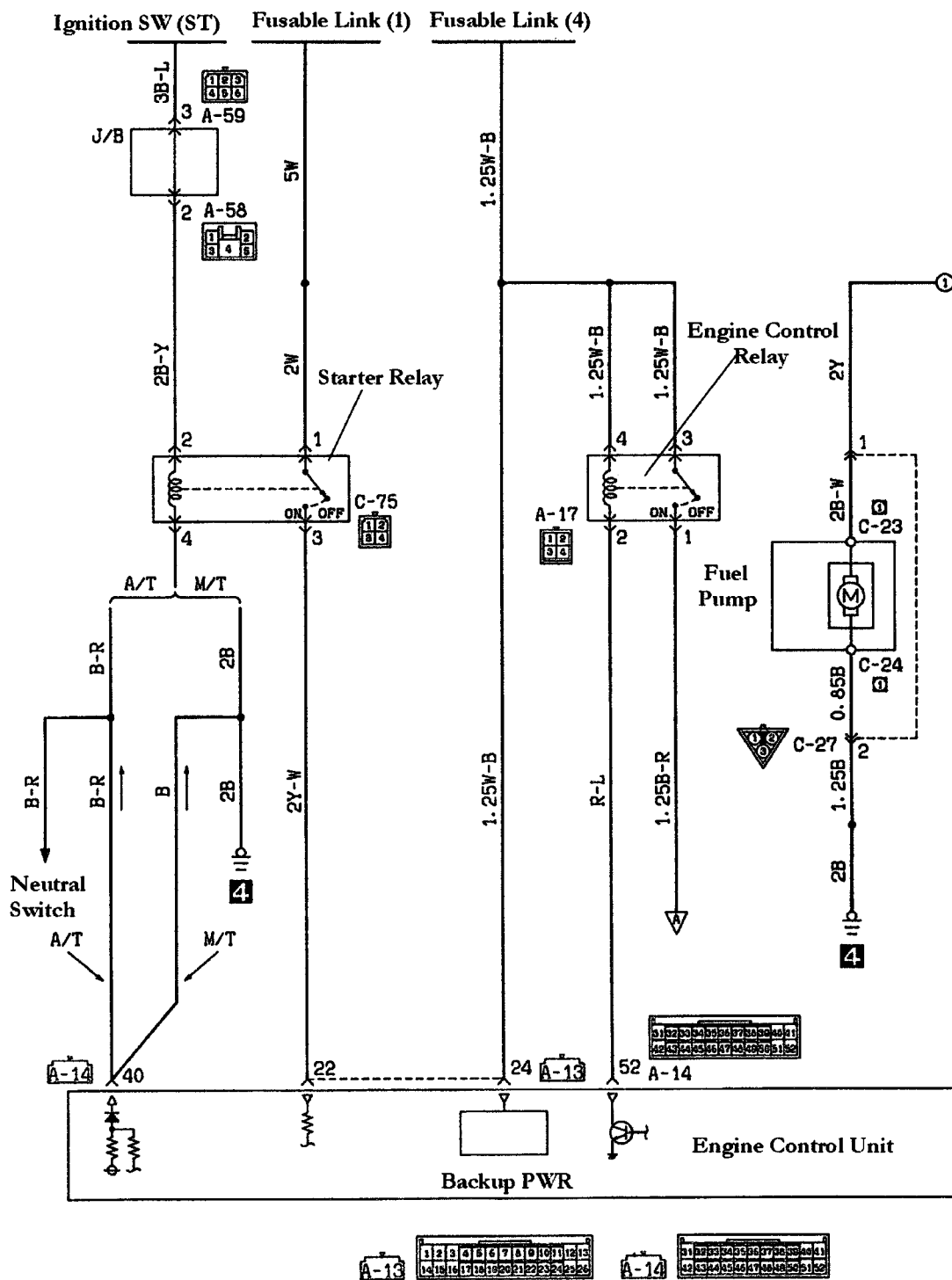
Part 6



Engine Control Circuits

DOHC-MPI

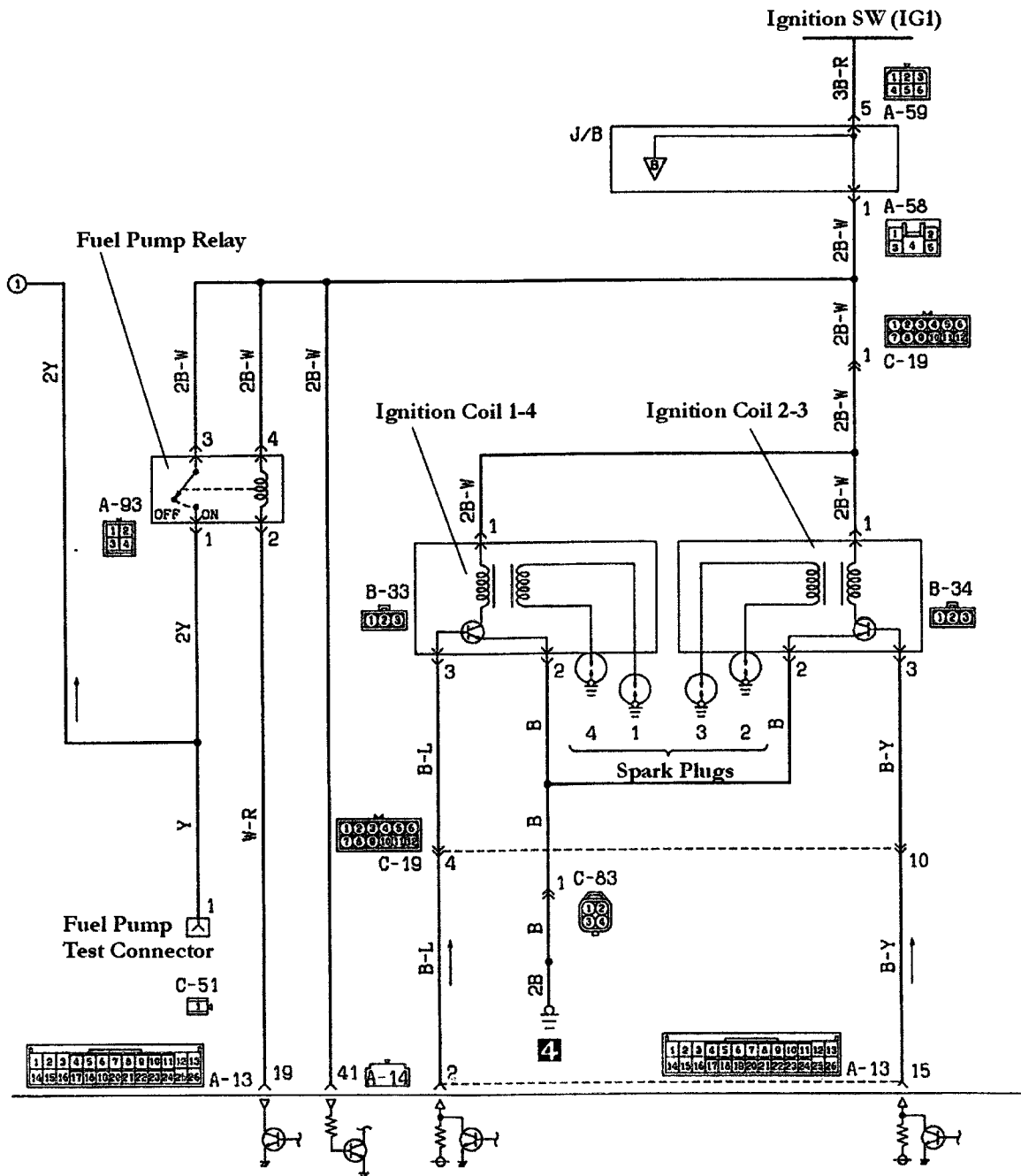
Part 1



Engine Control Circuits

DOHC-MPI

Part 2

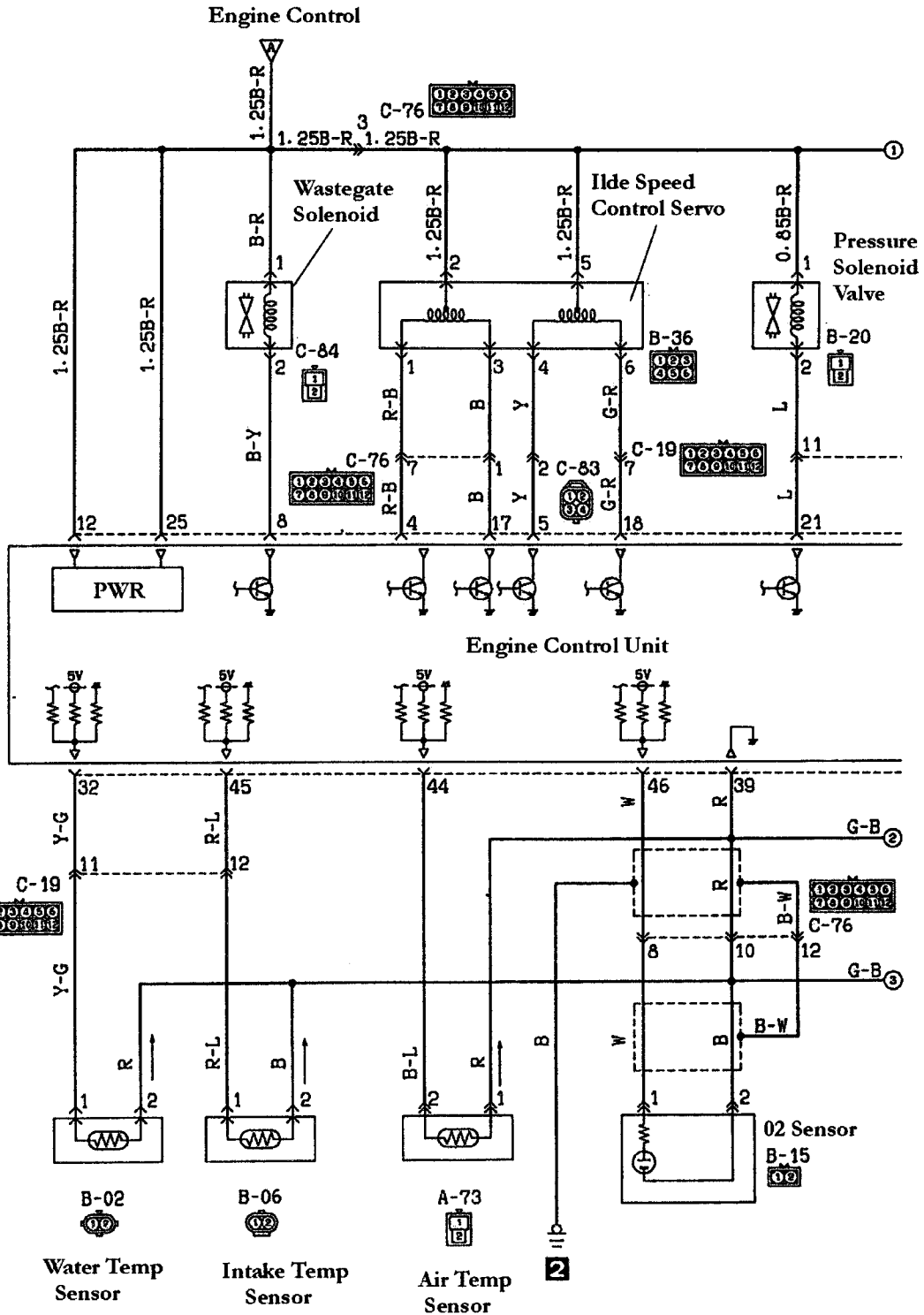


Engine Control Circuits

DOHC-MPI

Part 3

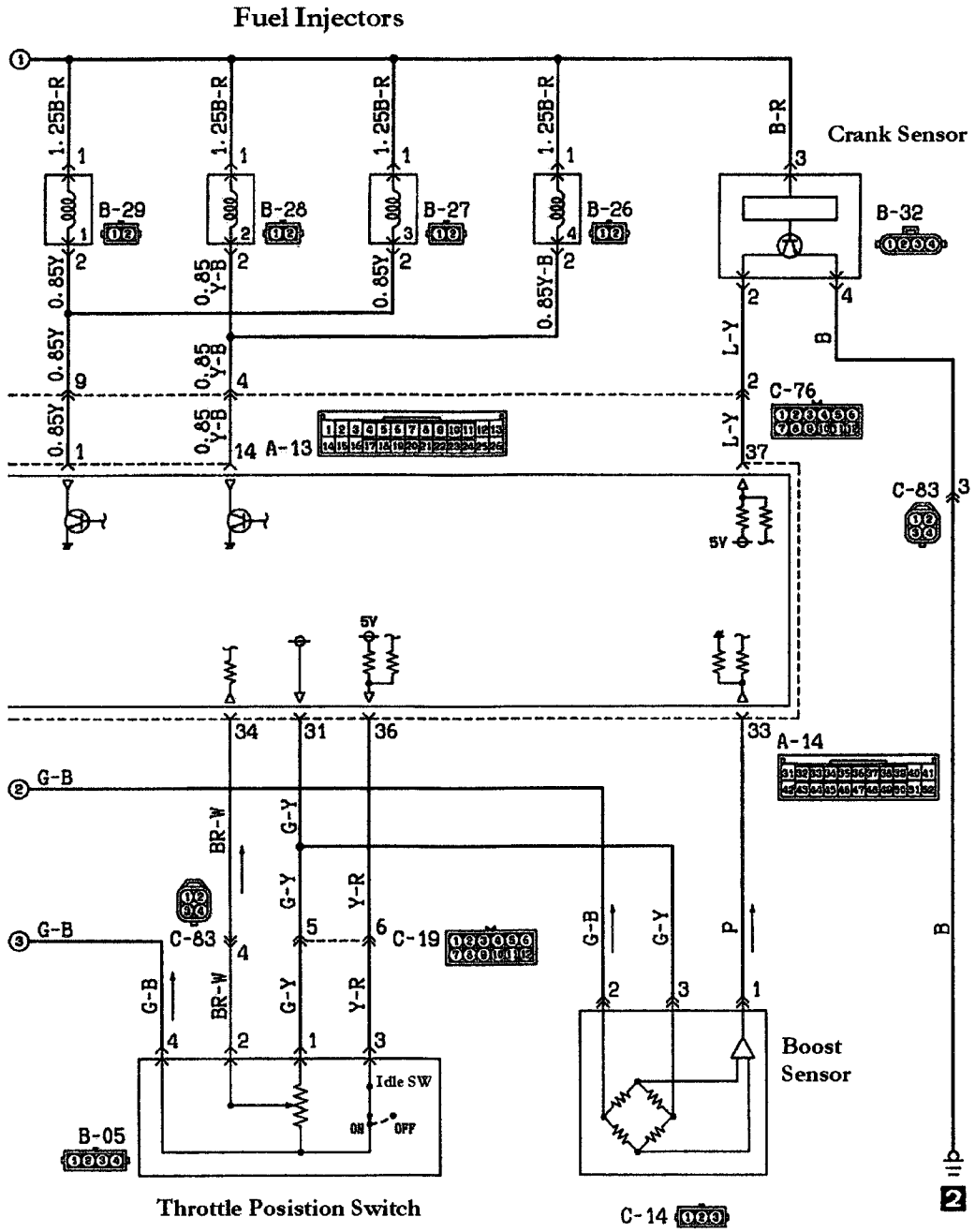
Turbo Included



Engine Control Circuits

DOHC-MPI

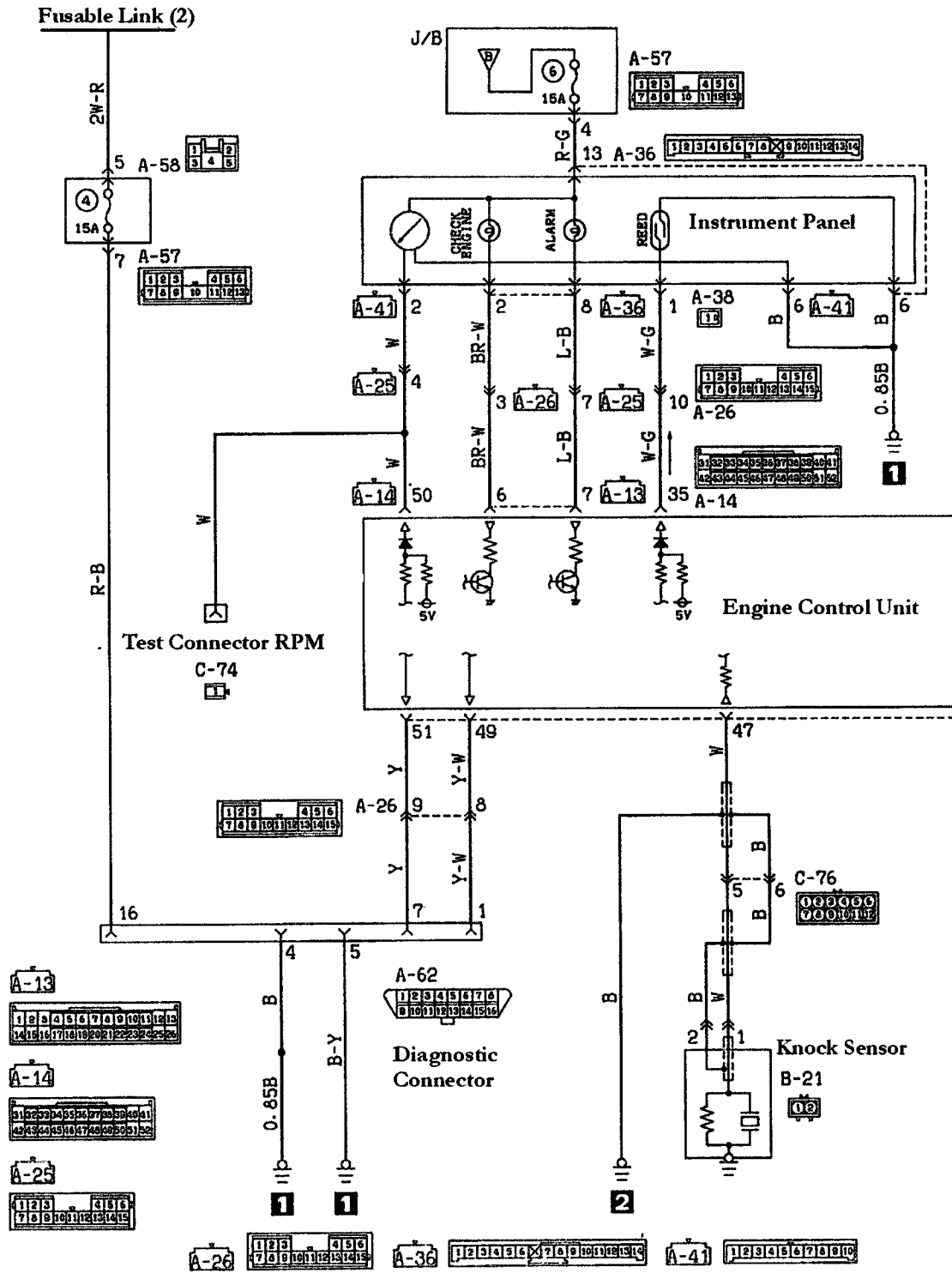
Page 4



Engine Control Circuits

DOHC-MPI

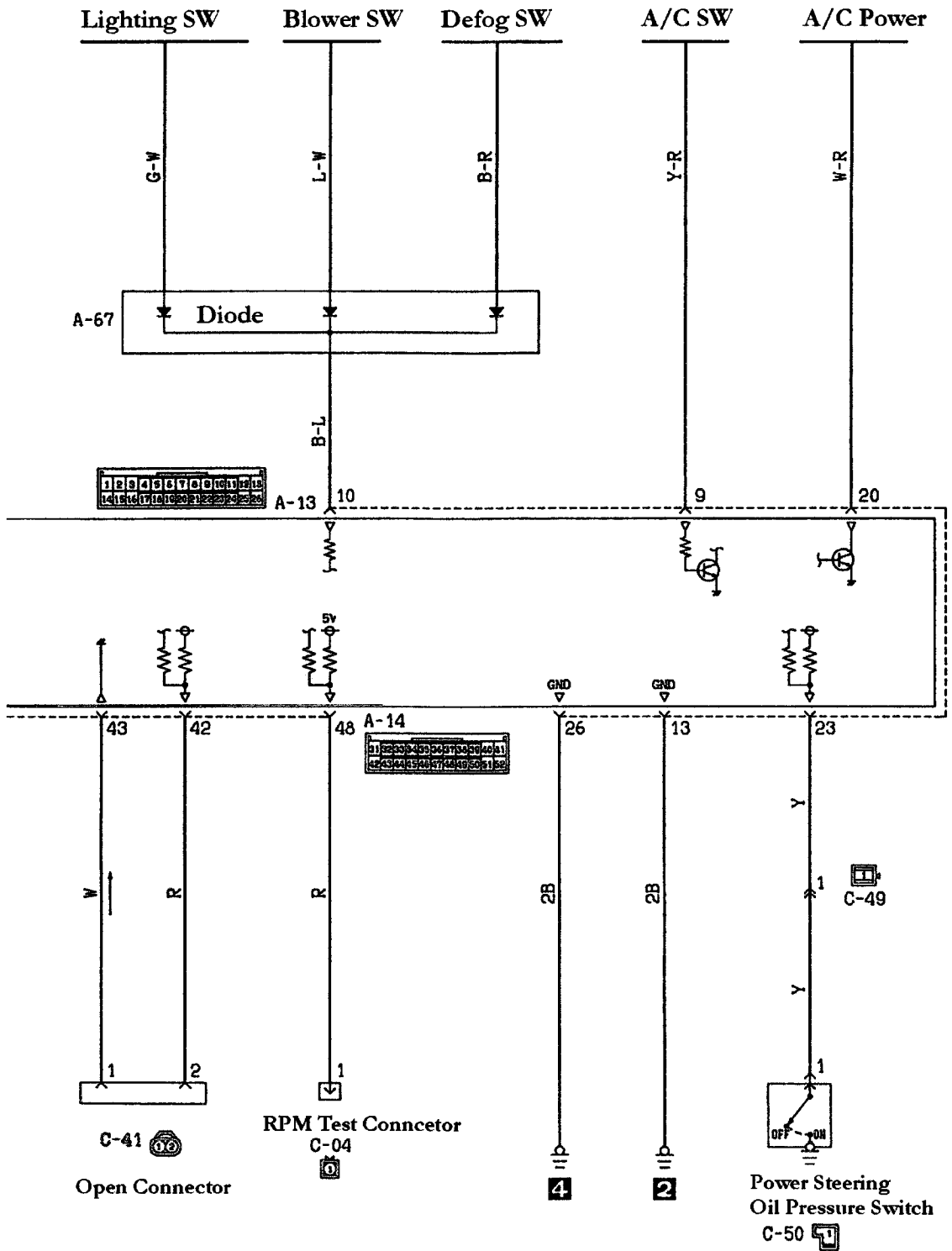
Page 5



Engine Control Circuits

DOHC-MPI

Part 6



Chapter 4

Lighting & Accessories

MiniCab Truck & Bravo Van 2WD & 4WD

Diagram and Circuit Index

- 30. Headlamp Circuits (Main)
- 31. Headlamp-Running Lights-Tail Lamps-License Lamp
- 32. (Truck-Dump Option) Rear Bed Work External Lighting
- 33. Fog Lamp (Bravo-GT)
- 34. Dome Lamp-Cargo Lamp
- 35. Turn-Signal & Hazard Part 1
- 36. Turn-Signal & Hazard Part 2
- 37. Backup Lamp & Buzzer Circuit (MT Vehicle)
- 38. Backup Lamp & Buzzer Circuit (AT Vehicle)
- 39. Stop Lamps
- 40. Horn Circuit
- 41. Instrument Panel Part 1
- 42. Instrument Panel Part 2
- 43. Instrument Panel Part 3
- 44. Tailgate Remote Lock
- 45. Heater & Manual A/C Part 1
- 46. Heater & Manual A/C Part 2
- 47. Rear Heater Option (Van)
- 48. Windshield Wiper & Washer (Non-Delay Type)
- 49. Windshield Wiper & Washer (Delay Option Type)
- 50. Rear Windshield Wiper & Washer (Van)
- 51. Remote Mirror Control
- 52. Rear Defogger Circuit
- 53. Radio Power Circuit (AM)
- 54. Clock
- 55. Lighter Socket (12v) & Utility Socket

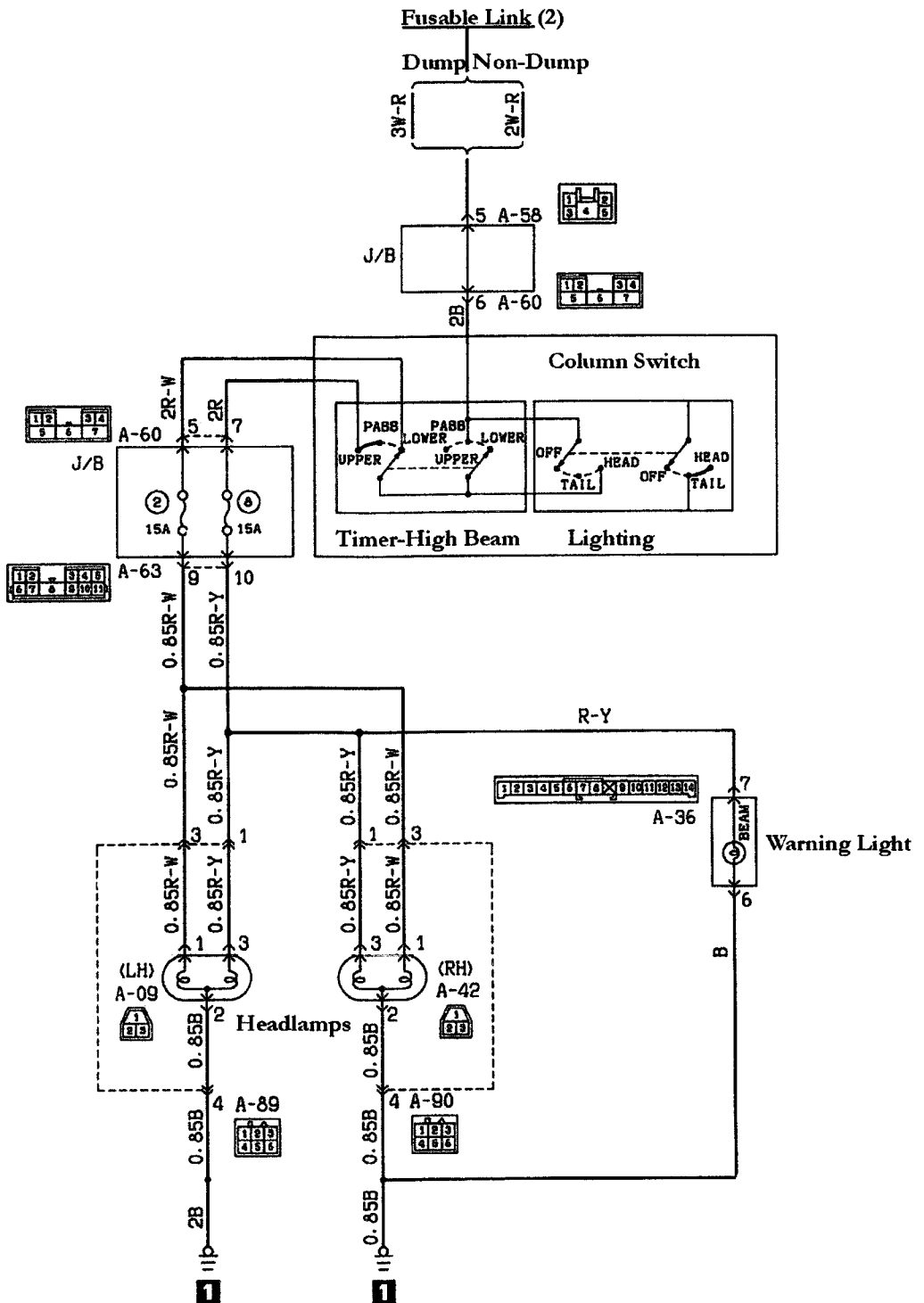
56. Dump Truck Circuits (Dump Only)

57. Part Time 4WD Circuit

58. PTO Option Circuit

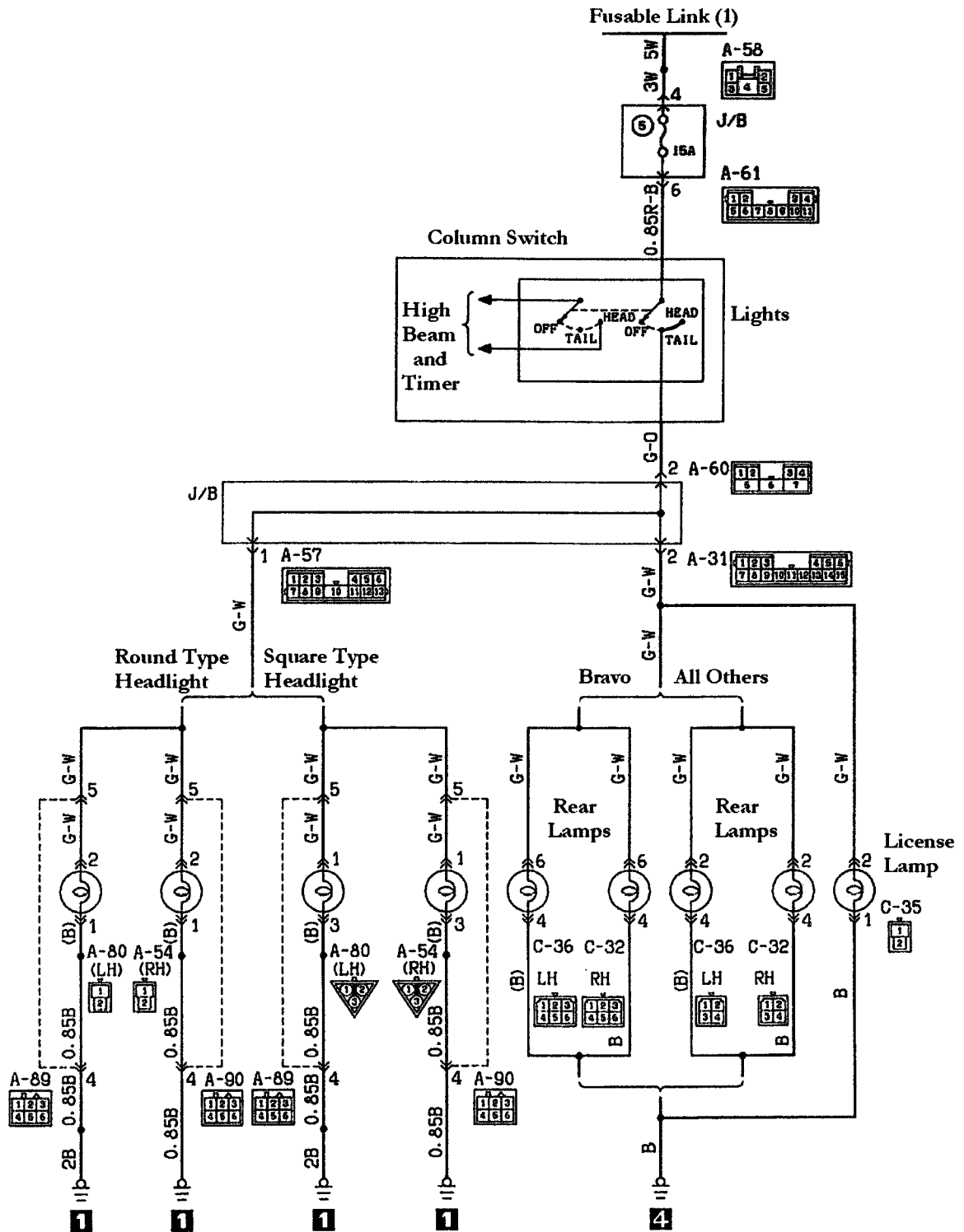
Lighting & Accessories

Headlights



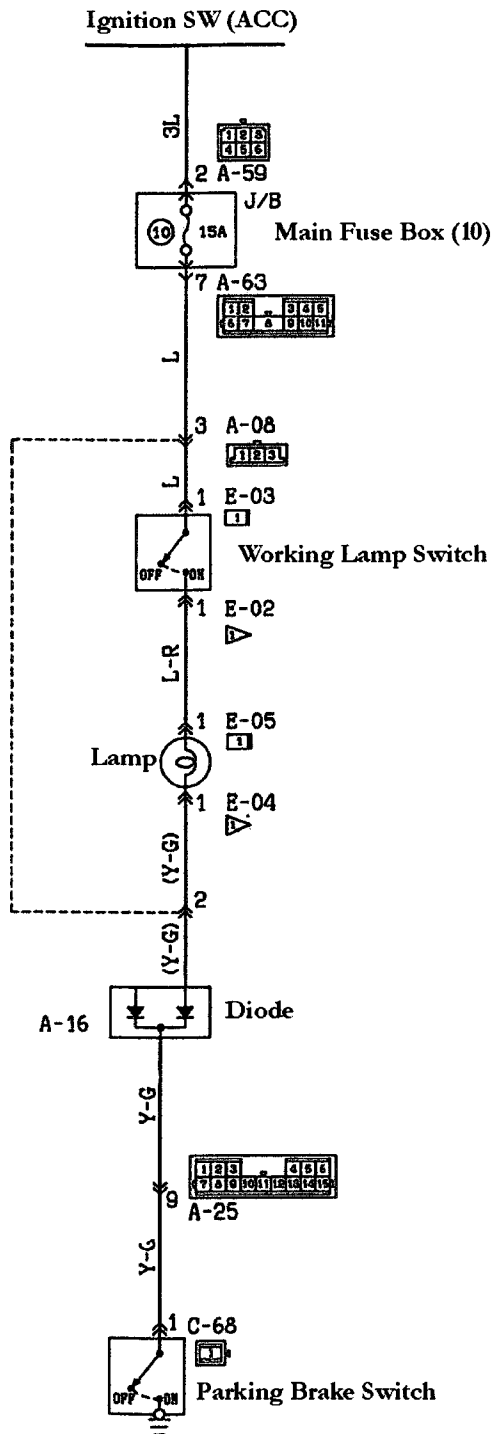
Lighting & Accessories

Headlamps-Running Lights-Tail Lamps-License Lamp



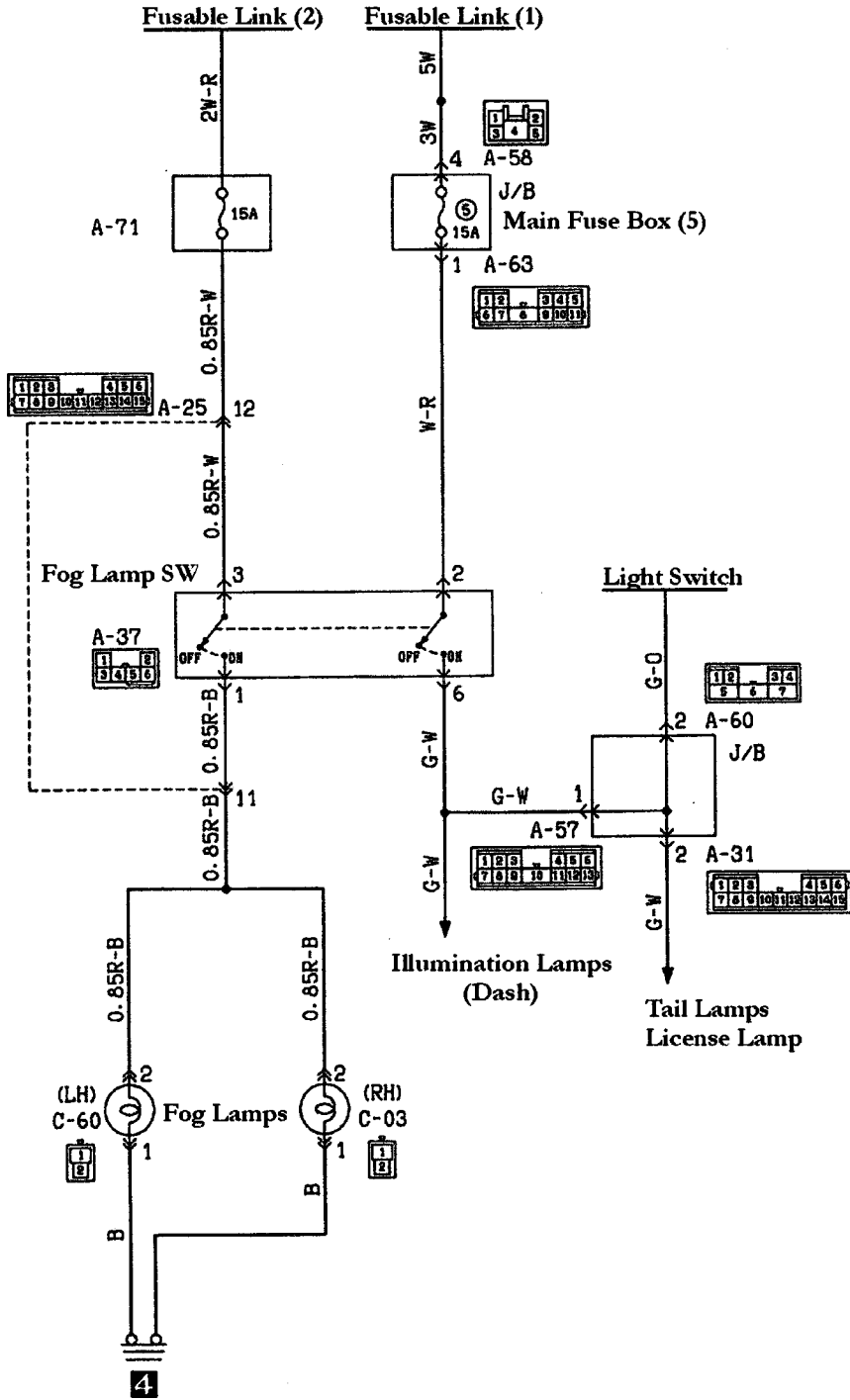
Lighting & Accessories

Rear Bed Work Lamp (Dump-Truck)



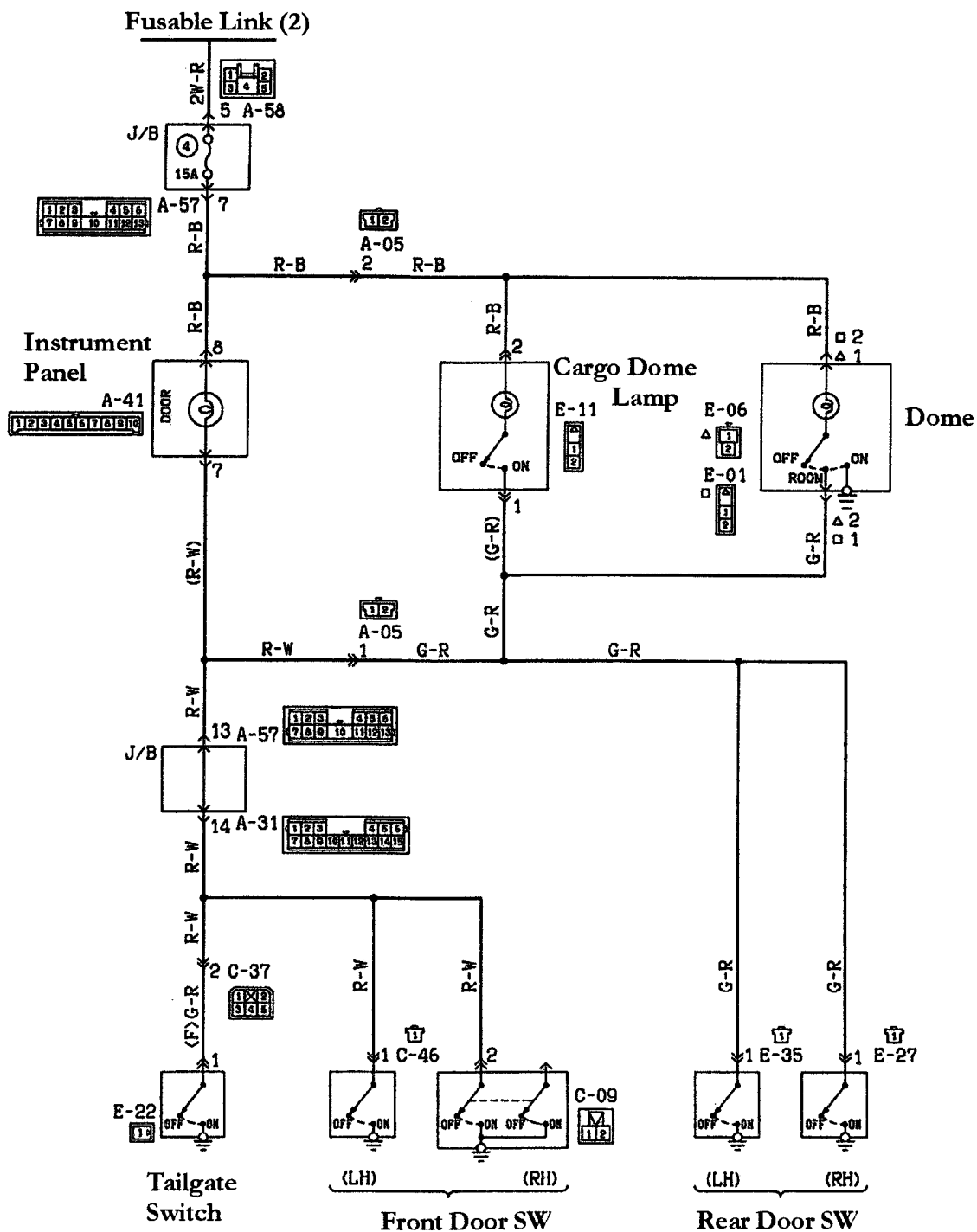
Lighting & Accessories

Fog Lamp (Bravo-GT)



Lighting & Accessories

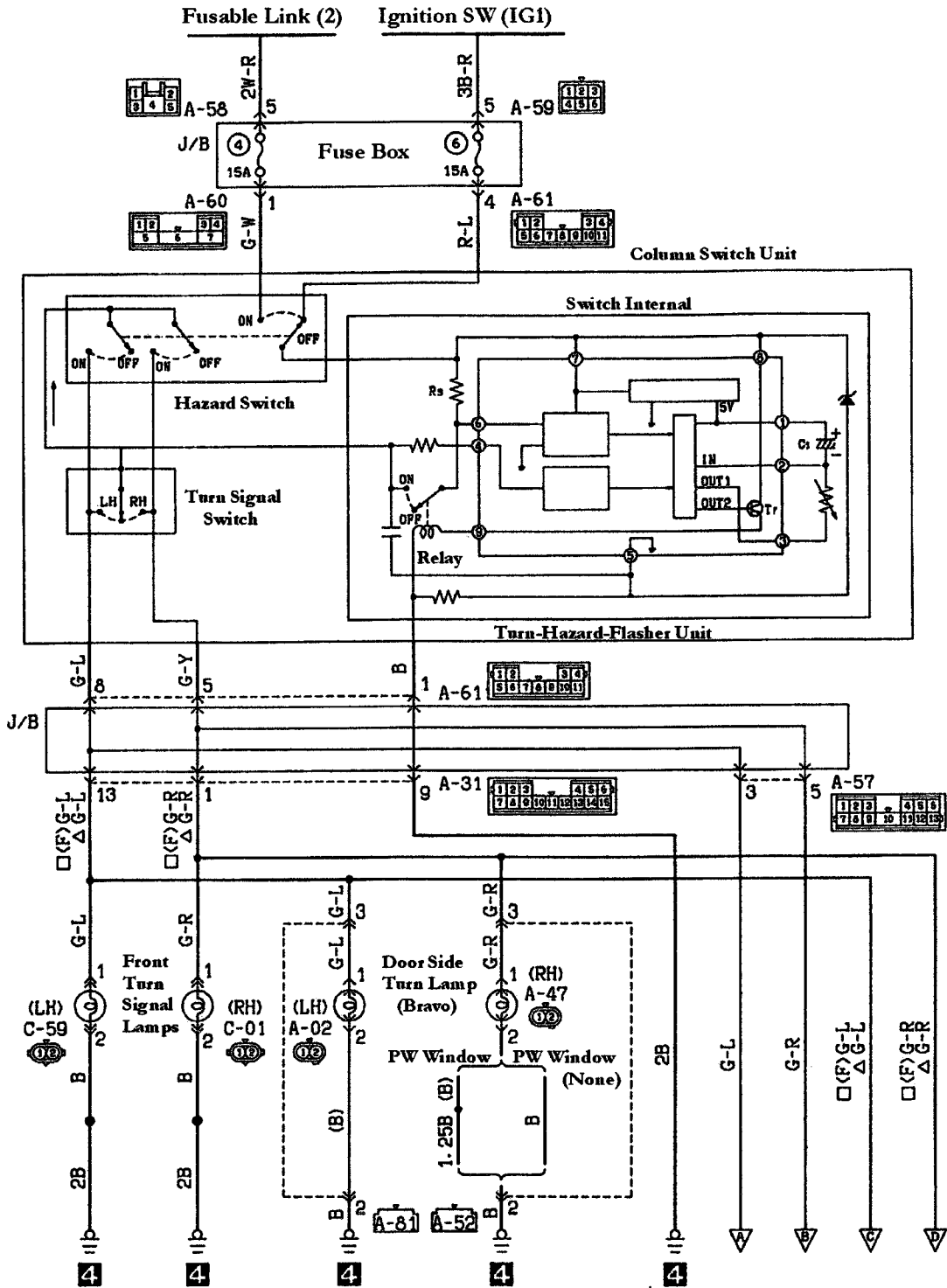
Dome Lamp-Cargo Lamp



Lighting & Accessories

Turn-Signal & Hazard

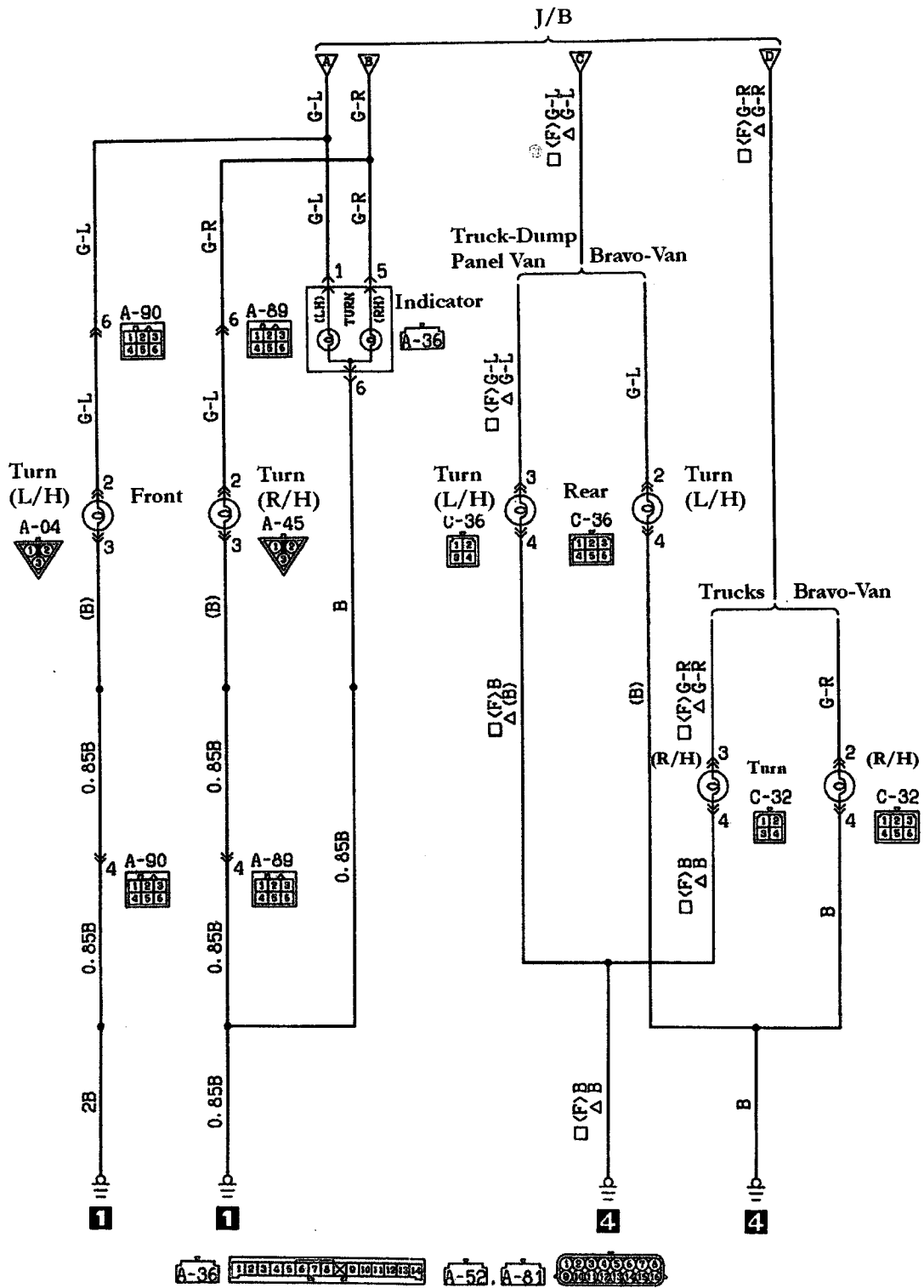
Part 1



Lighting & Accessories

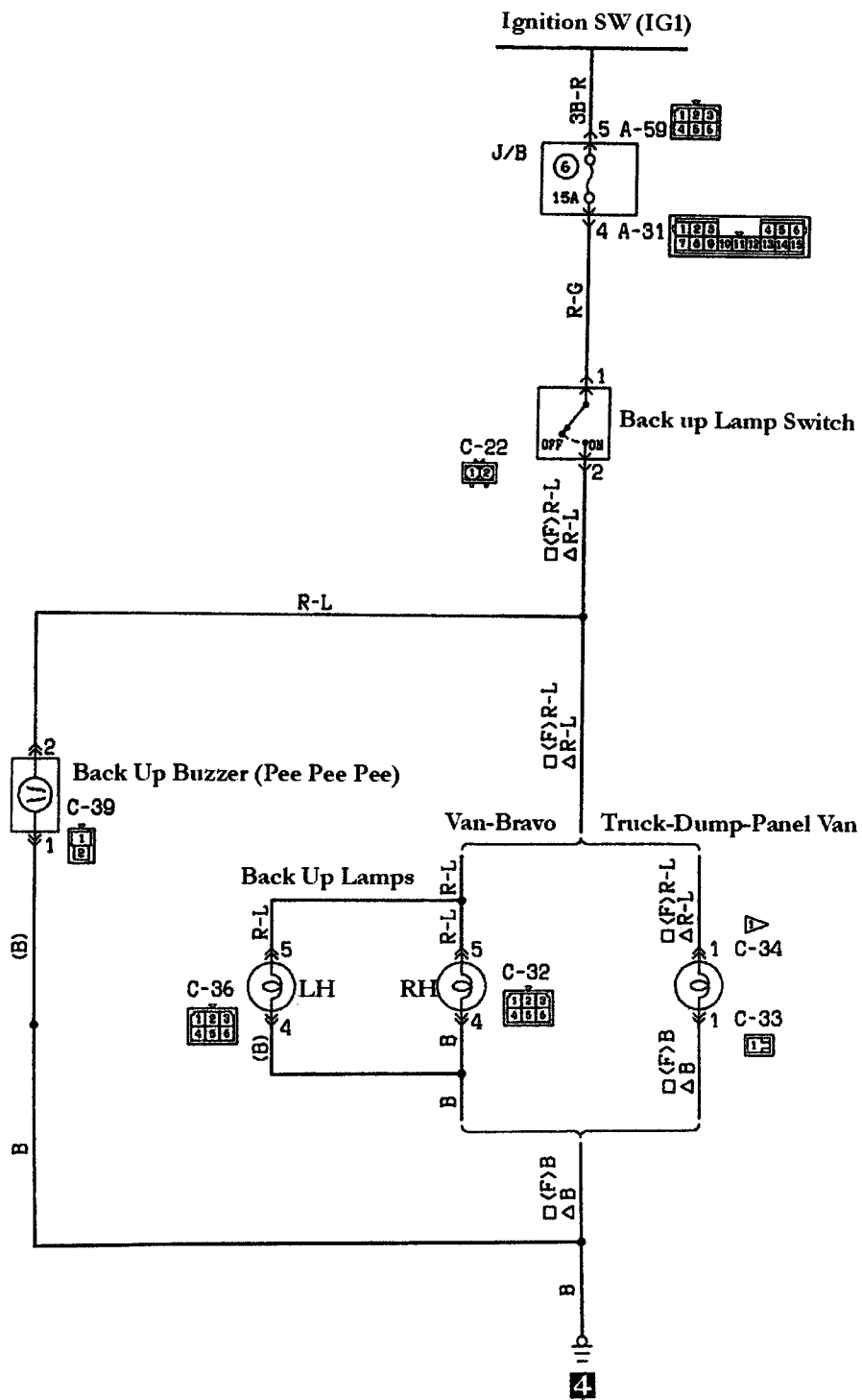
Turn Signal & Hazard

Part 2



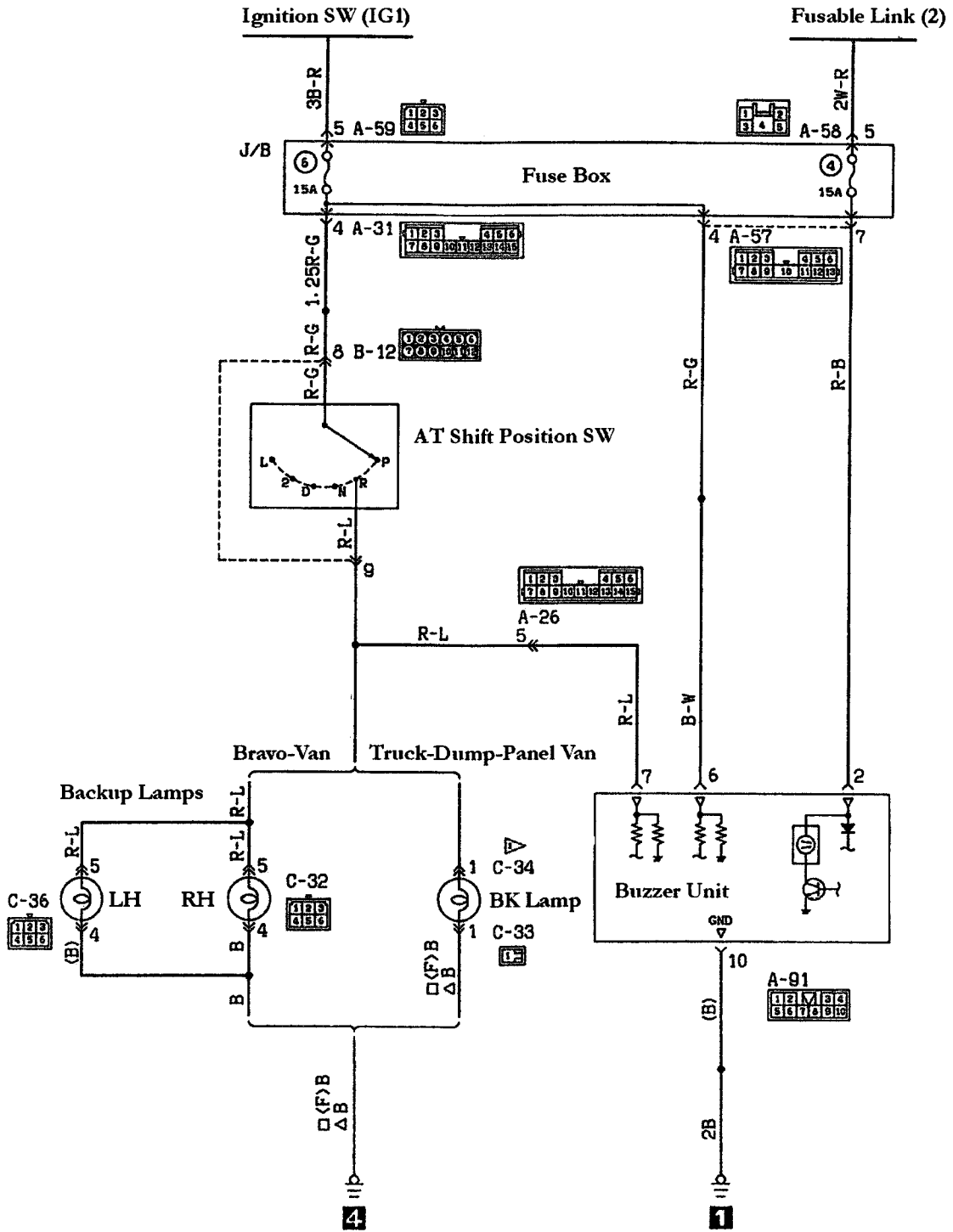
Lighting & Accessories

Backup Lamp & Buzzer Circuit (MT Vehicle)



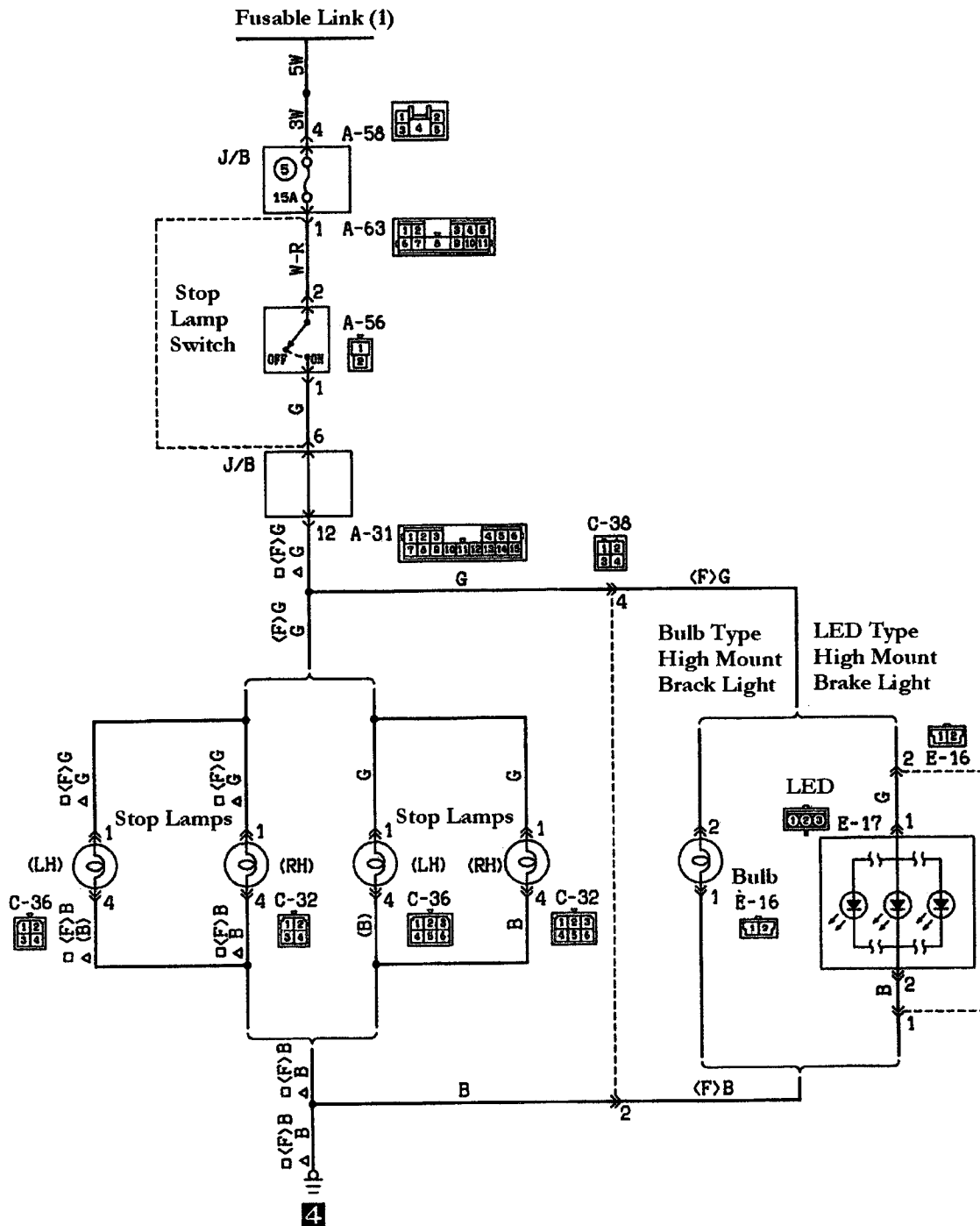
Lighting & Accessories

Backup Lamp & Buzzer Circuit (AT Vehicle)



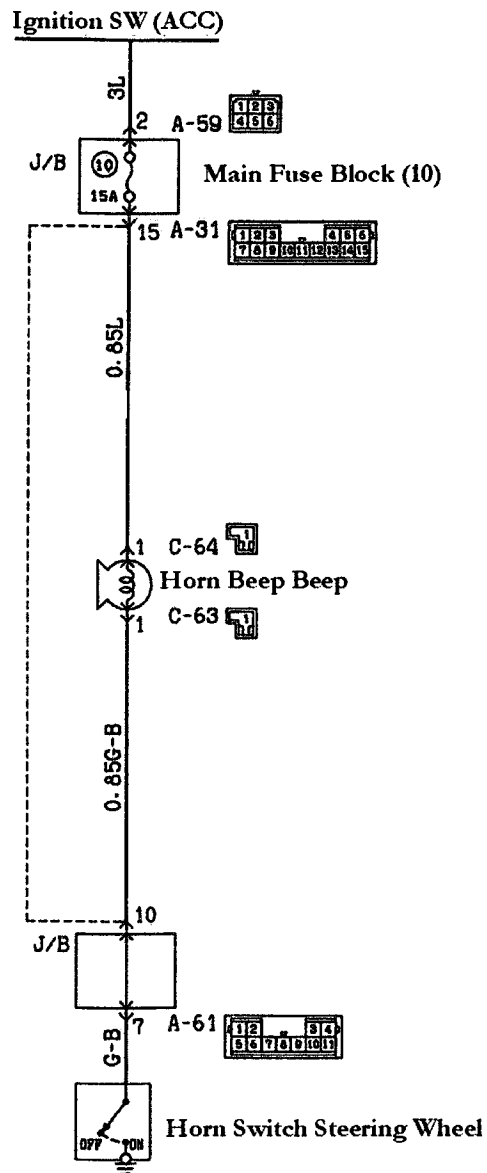
Lighting & Accessories

Stop Lamps



Lighting & Accessories

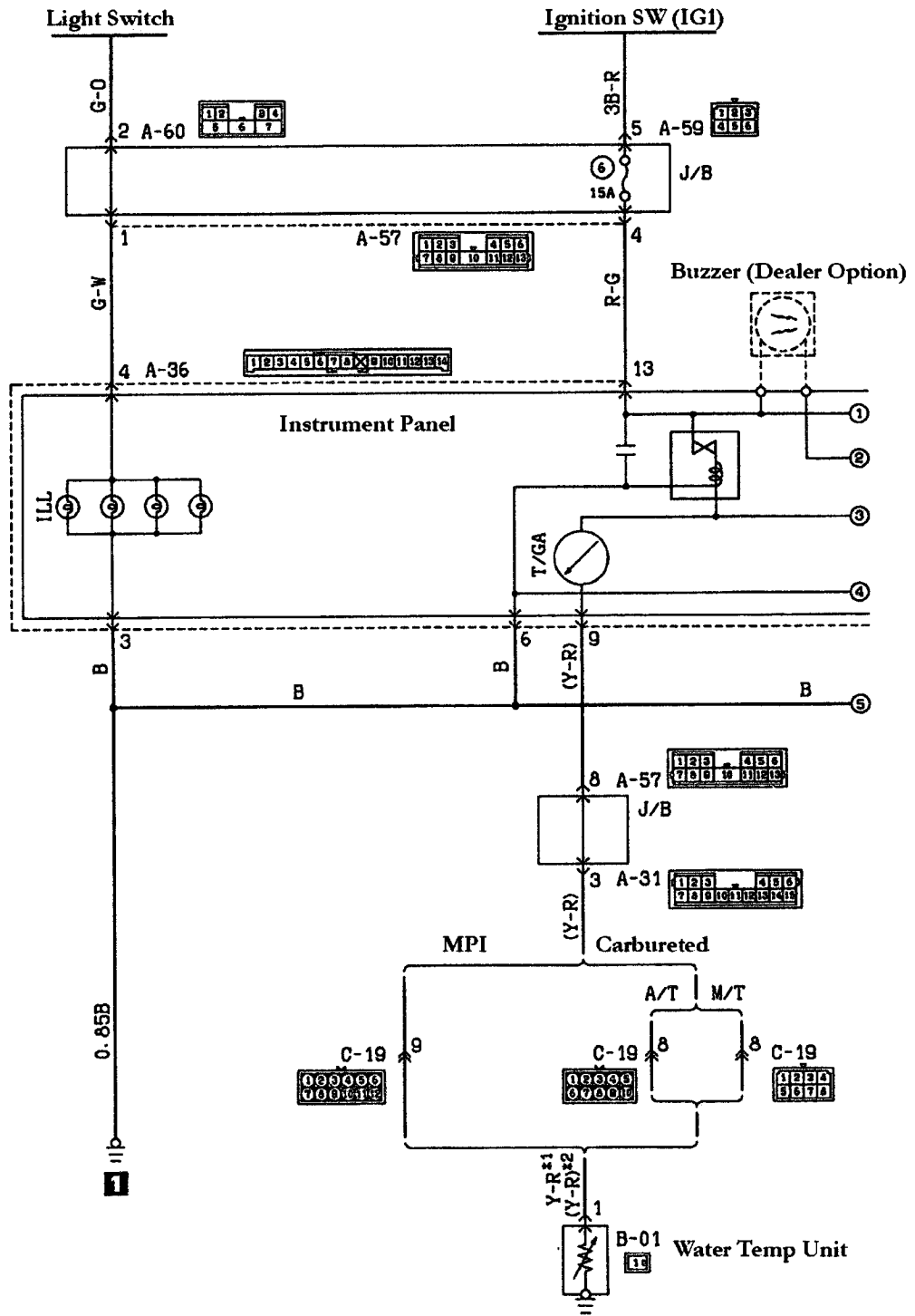
Horn



Lighting & Accessories

Instrument Panel

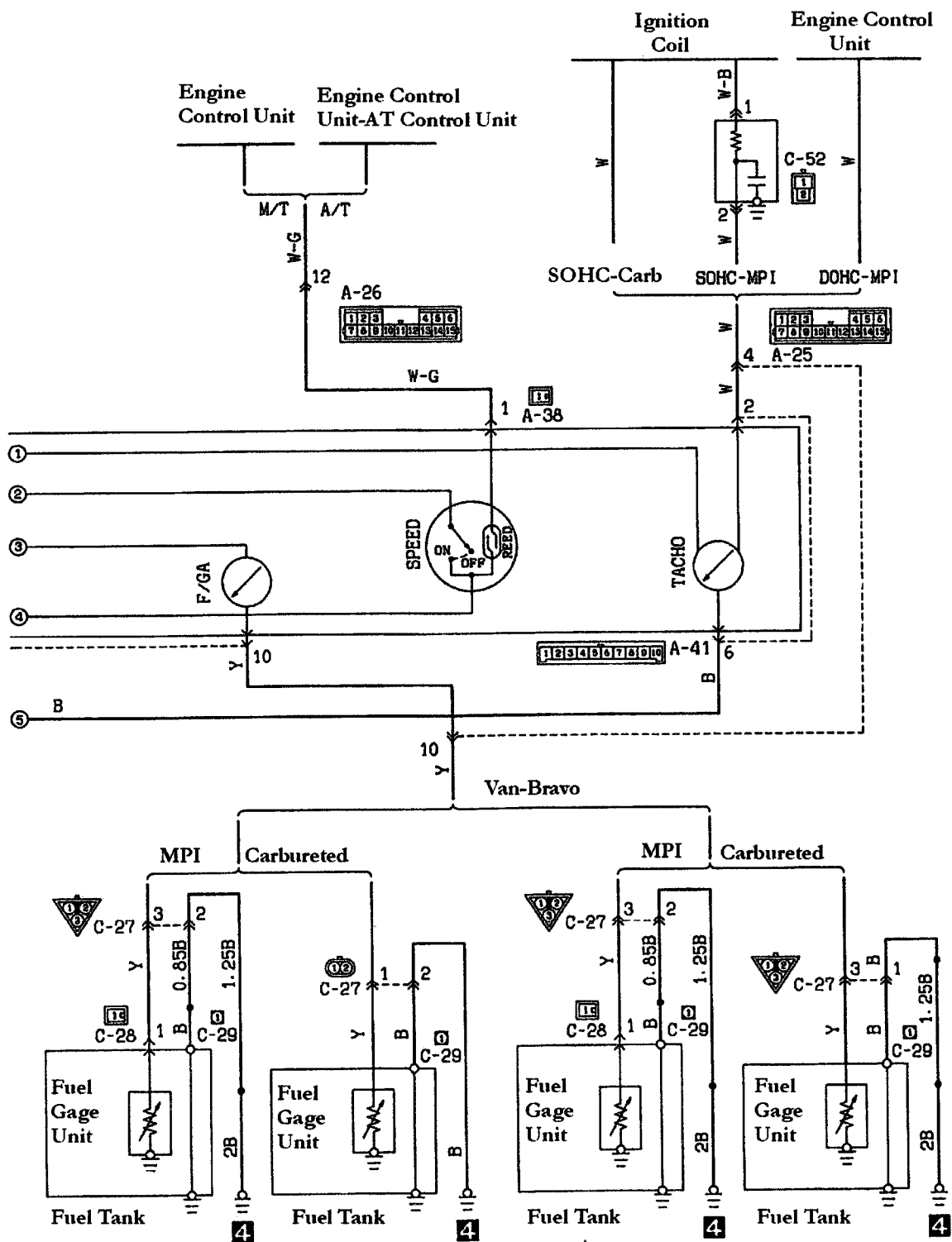
Part 1



Lighting & Accessories

Instrument Panel

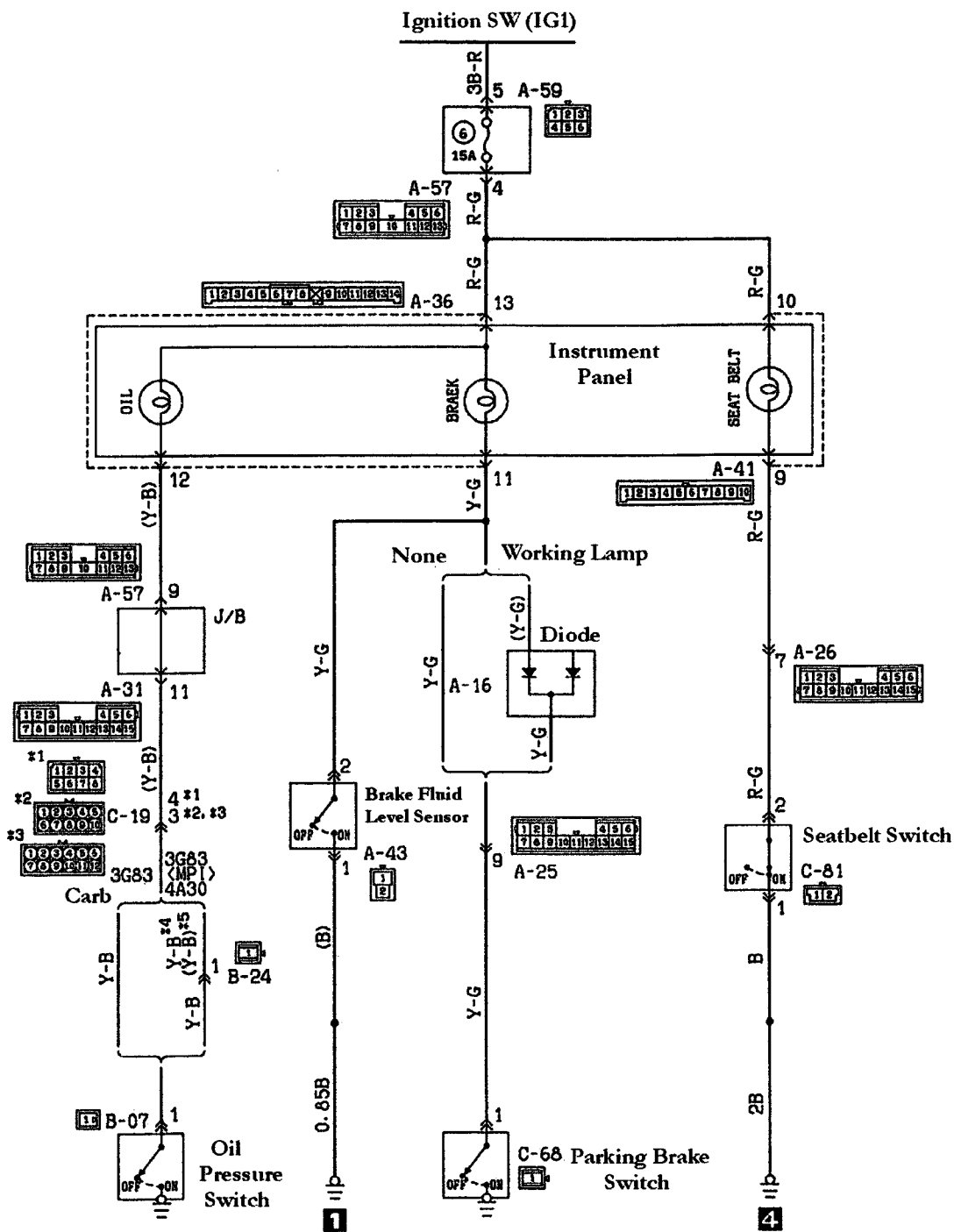
Part 2



Lighting & Accessories

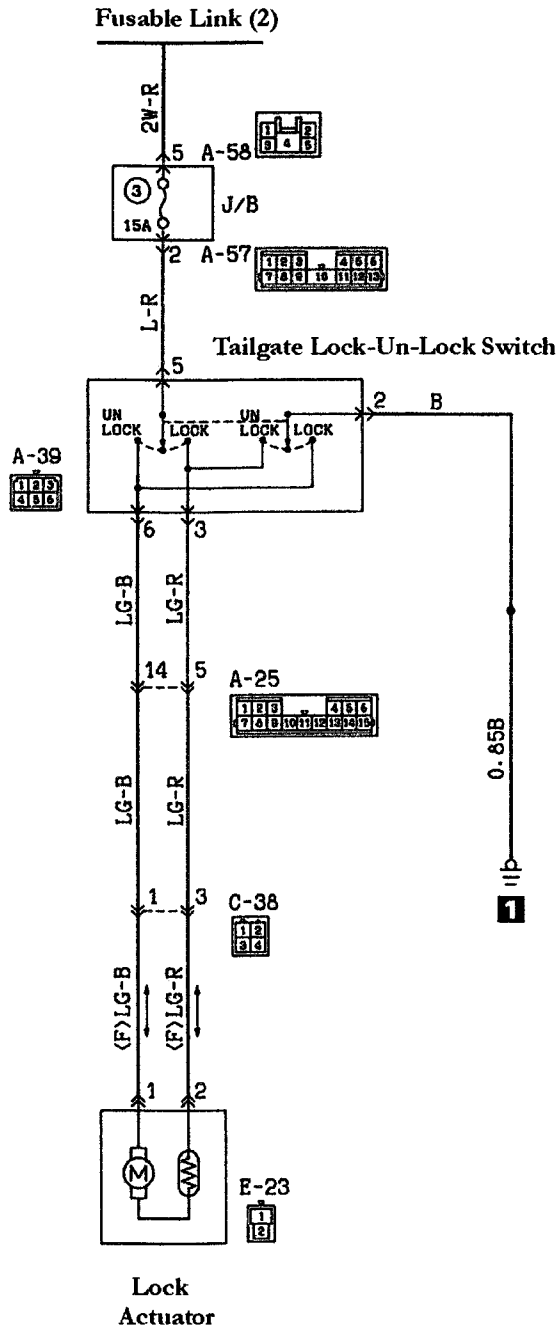
Instrument Panel

Part 3



Lighting & Accessories

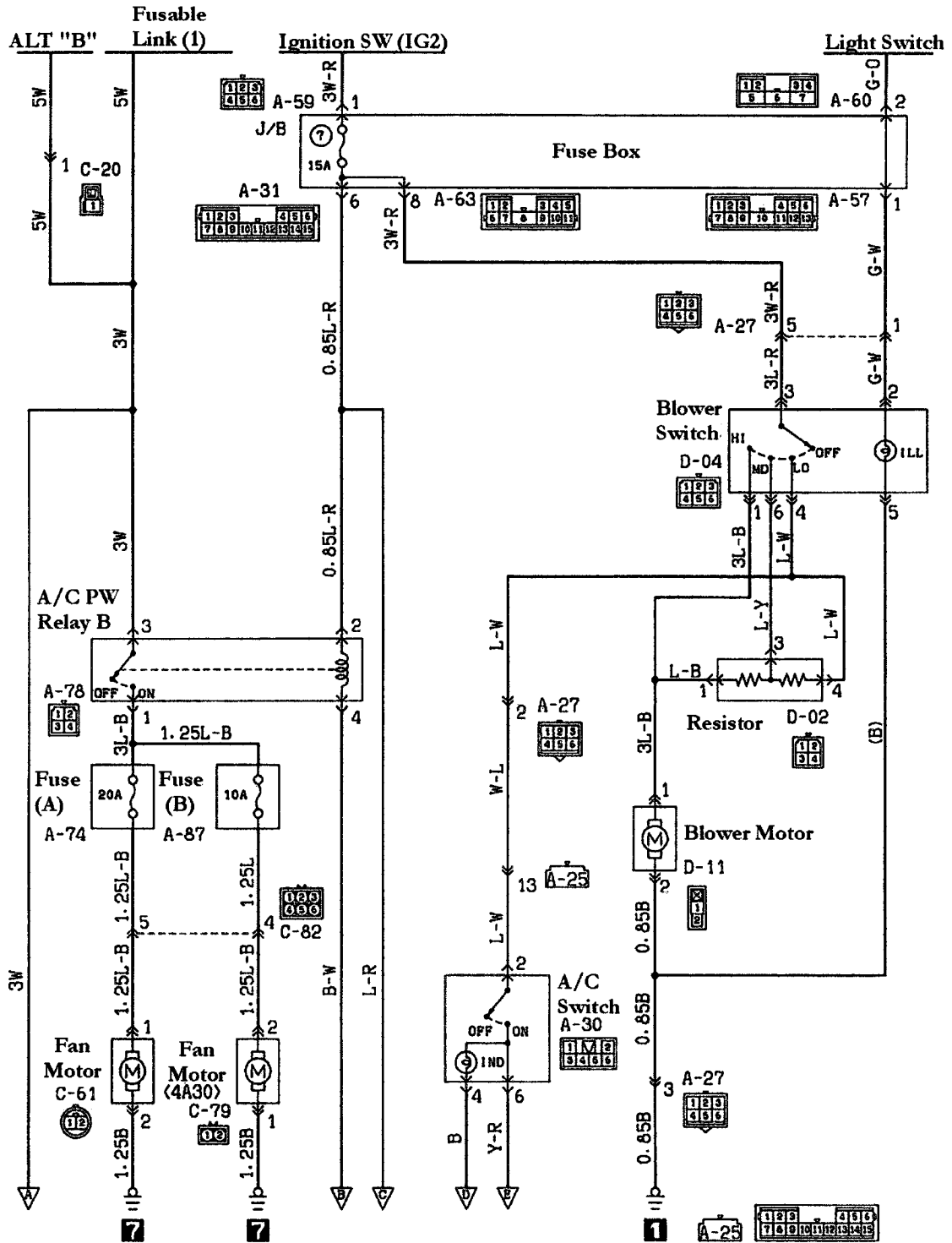
Tailgate Lock



Lighting & Accessories

Heater & Manual A/C

Part 1

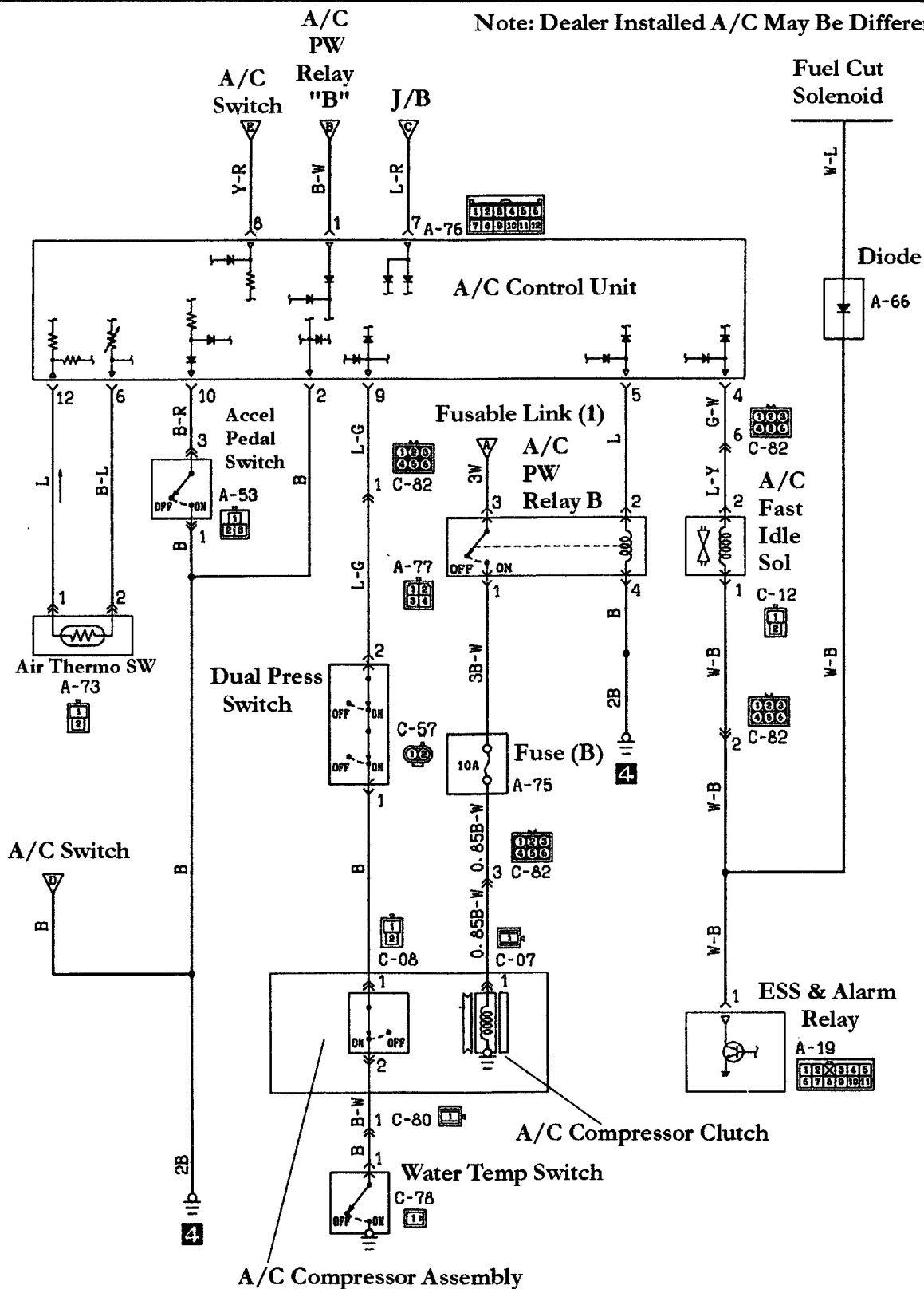


Lighting & Accessories

Heater & Manual A/C

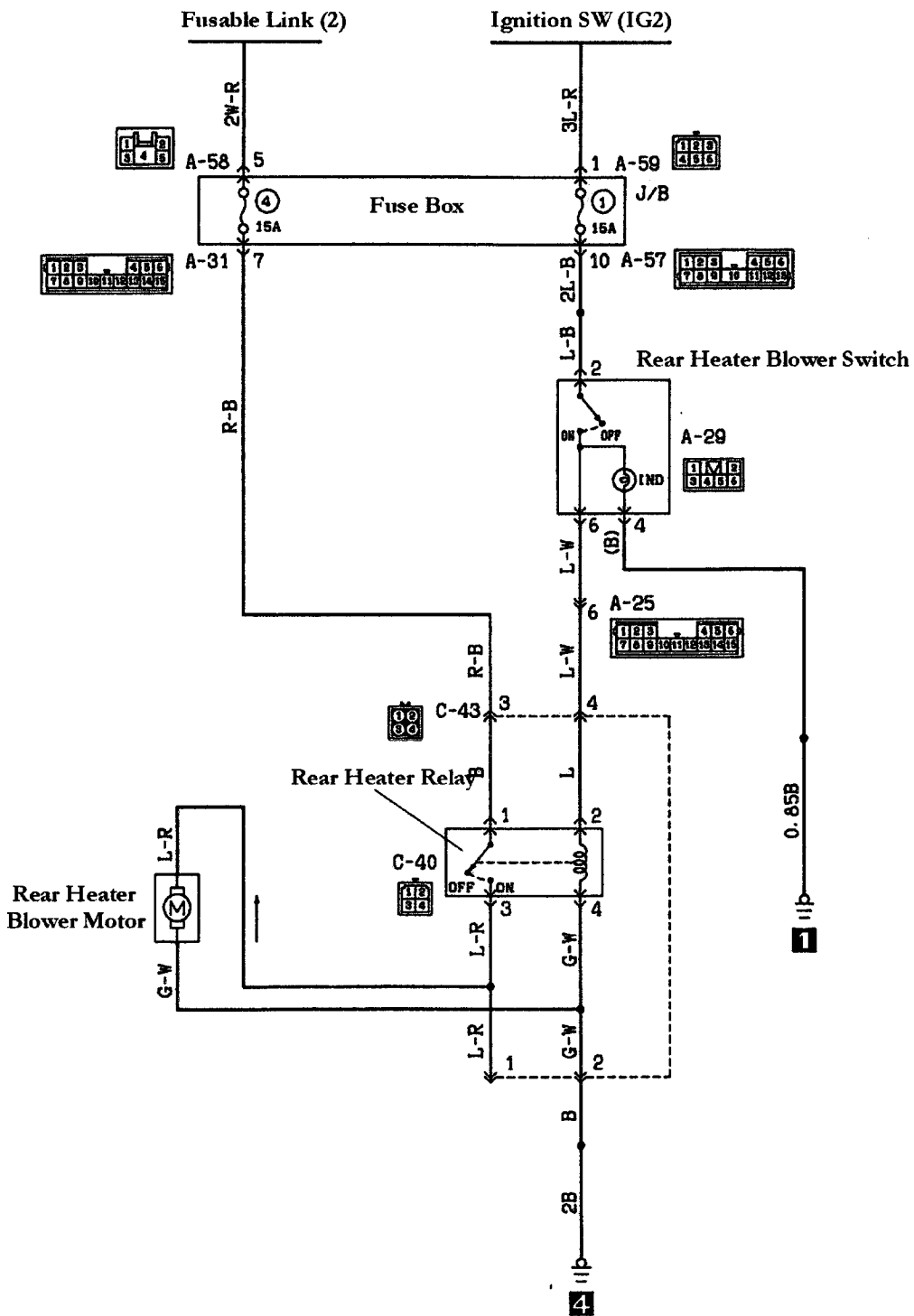
Part 2

Note: Dealer Installed A/C May Be Different



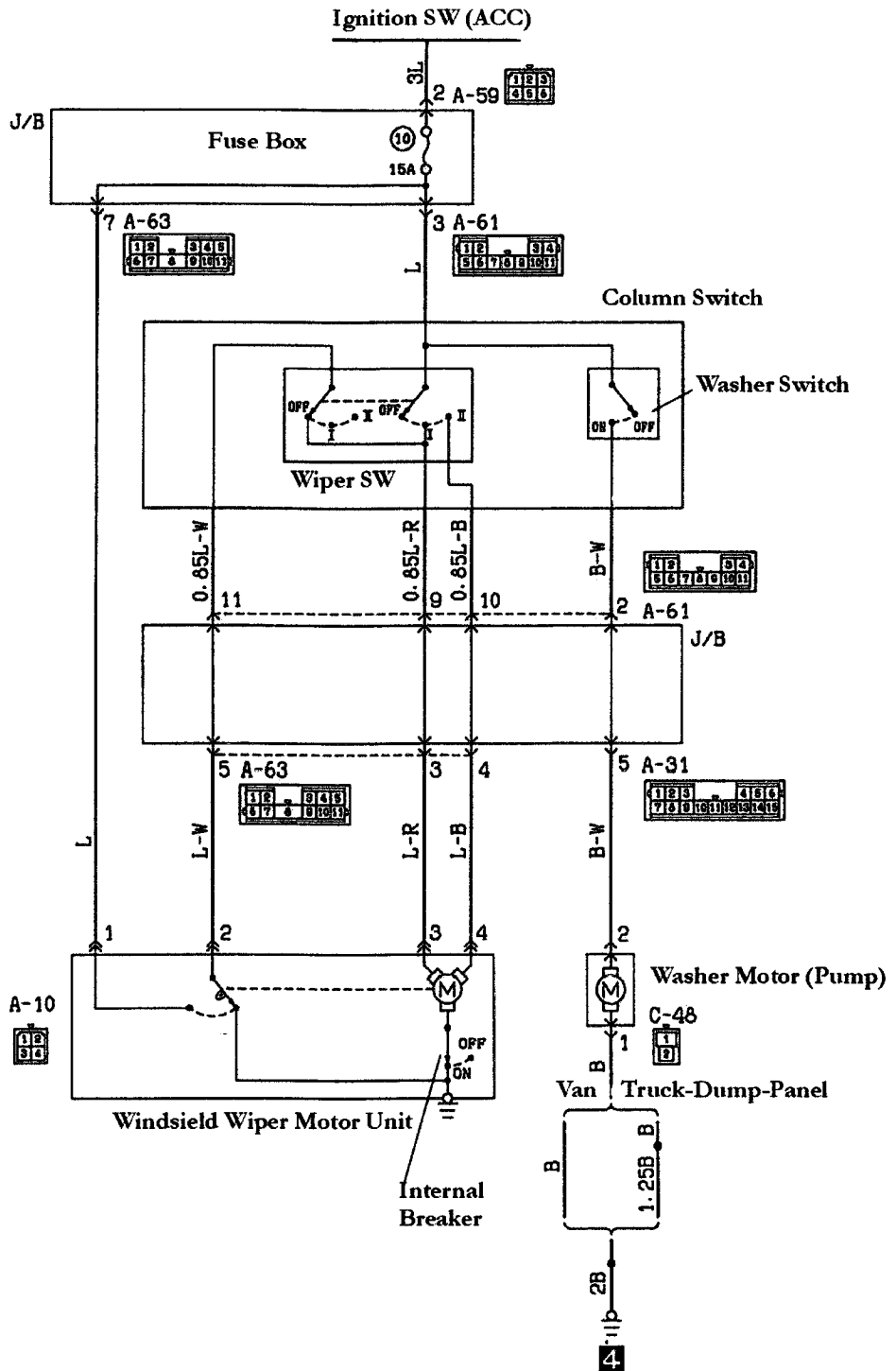
Lighting & Accessories

Rear Heater



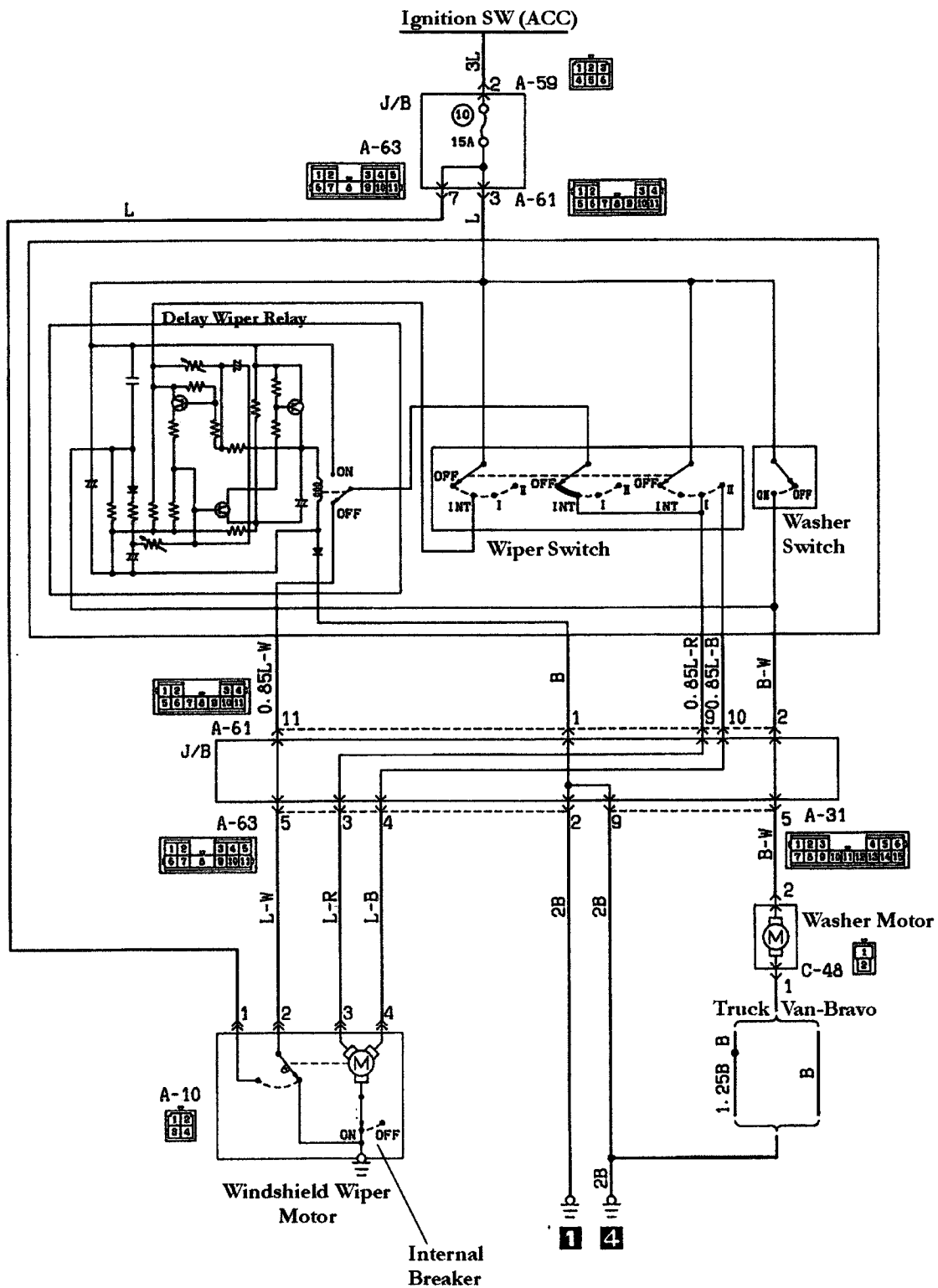
Lighting & Accessories

Windshield Wiper & Washer (Non-Delay Type)



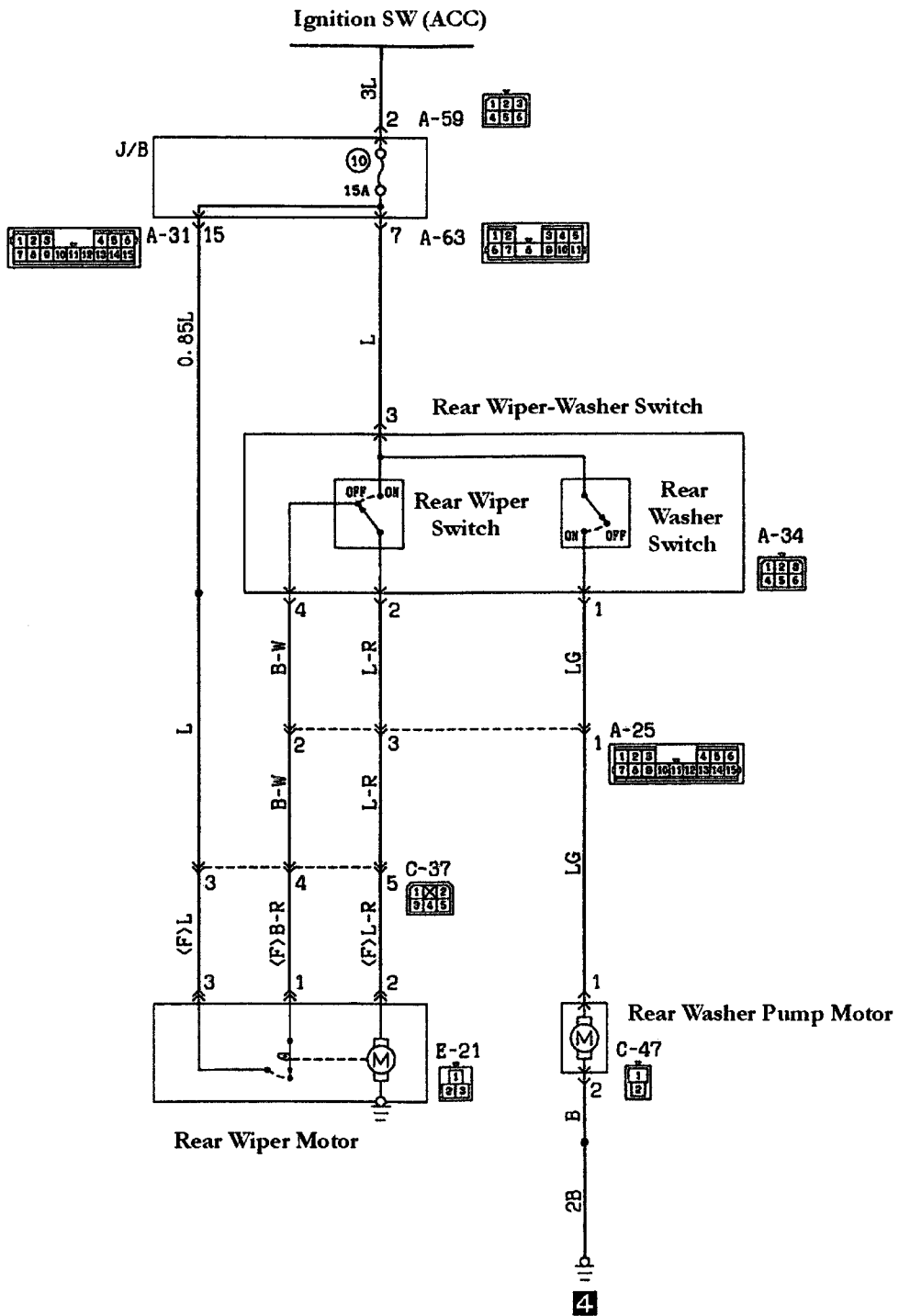
Lighting & Accessories

Windshield Wiper & Washer (Delay Funtion)



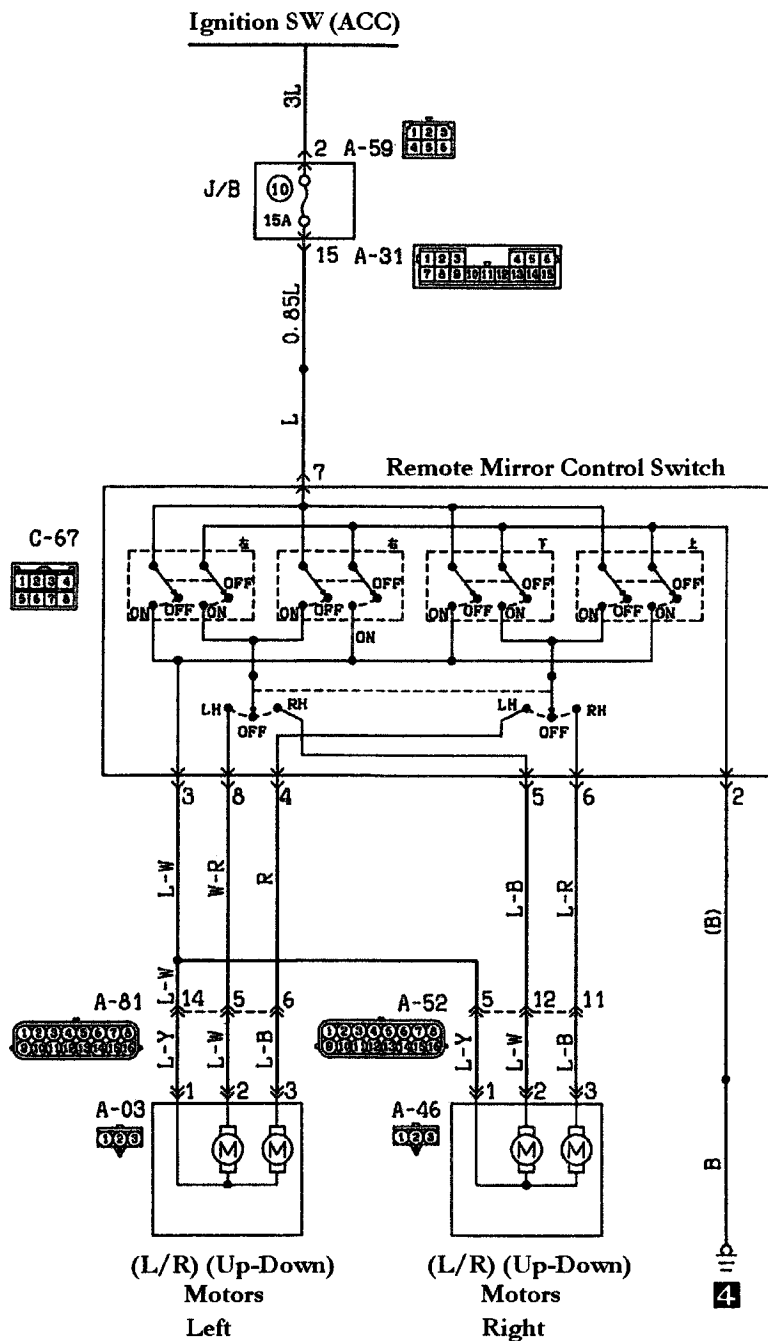
Lighting & Accessories

Rear Wiper & Washer Circuits



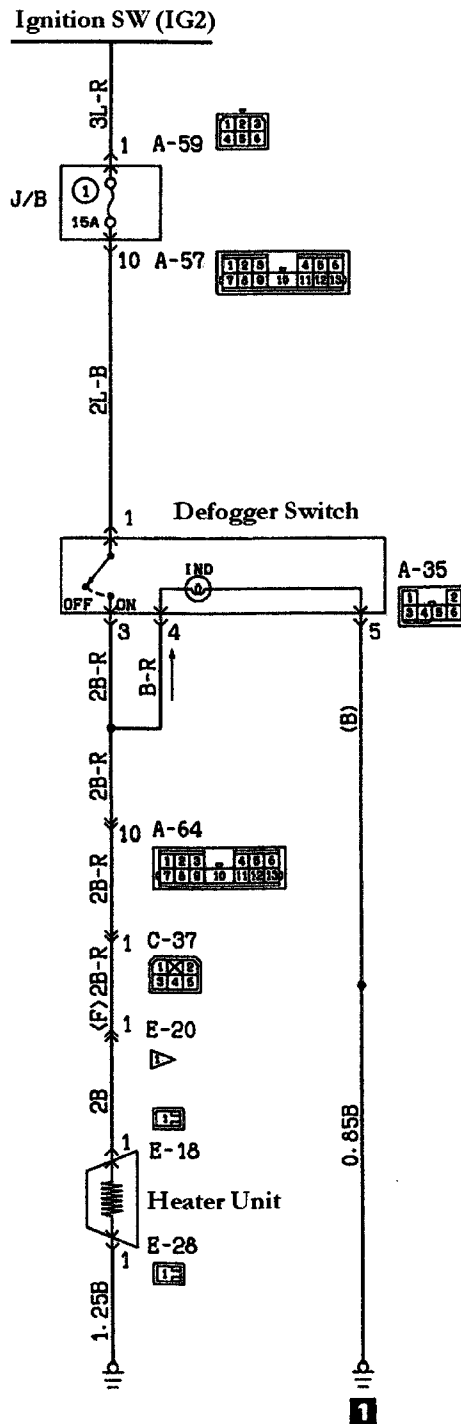
Lighting & Accessories

Remote Mirror Control



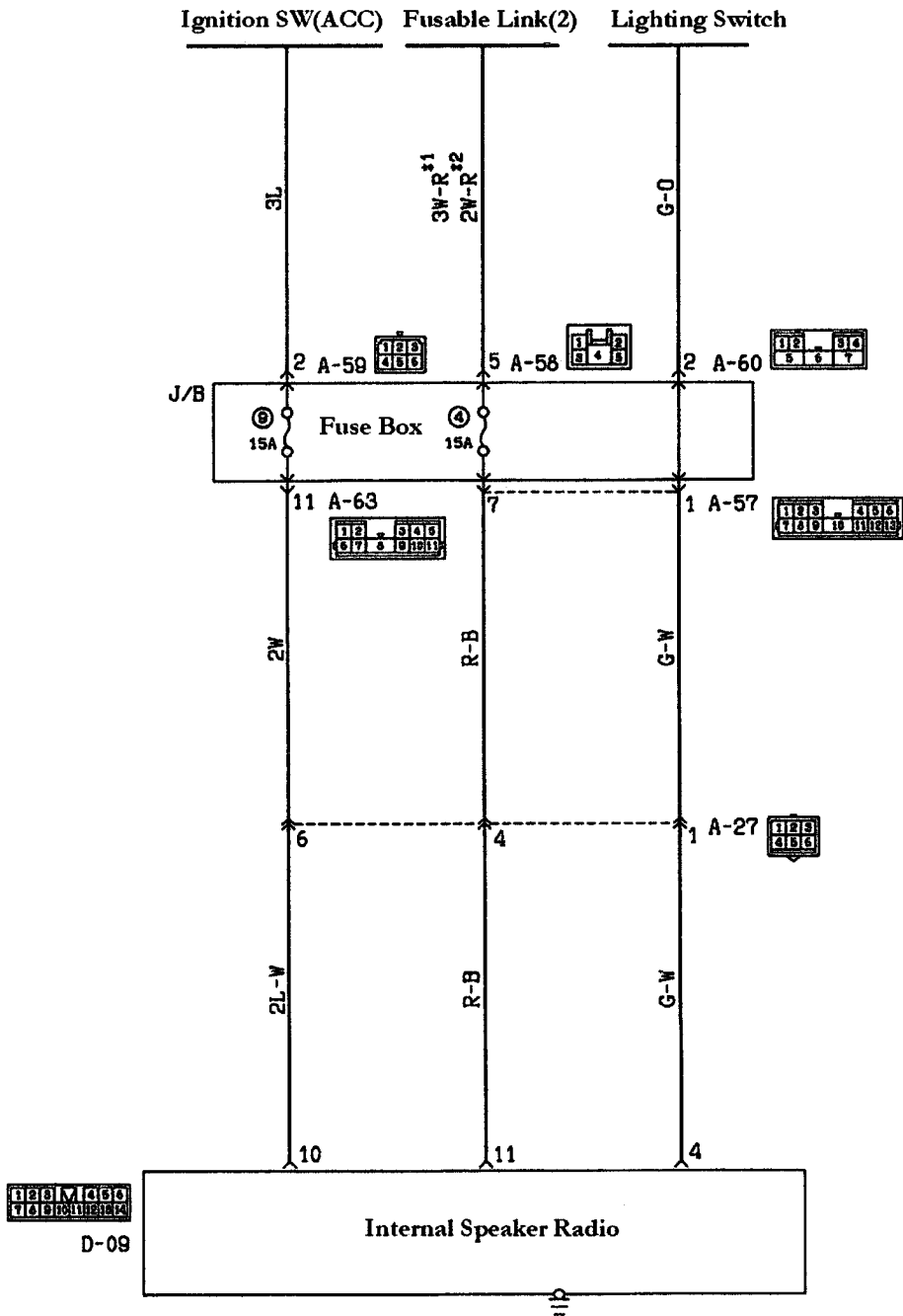
Lighting & Accessories

Rear Defogger



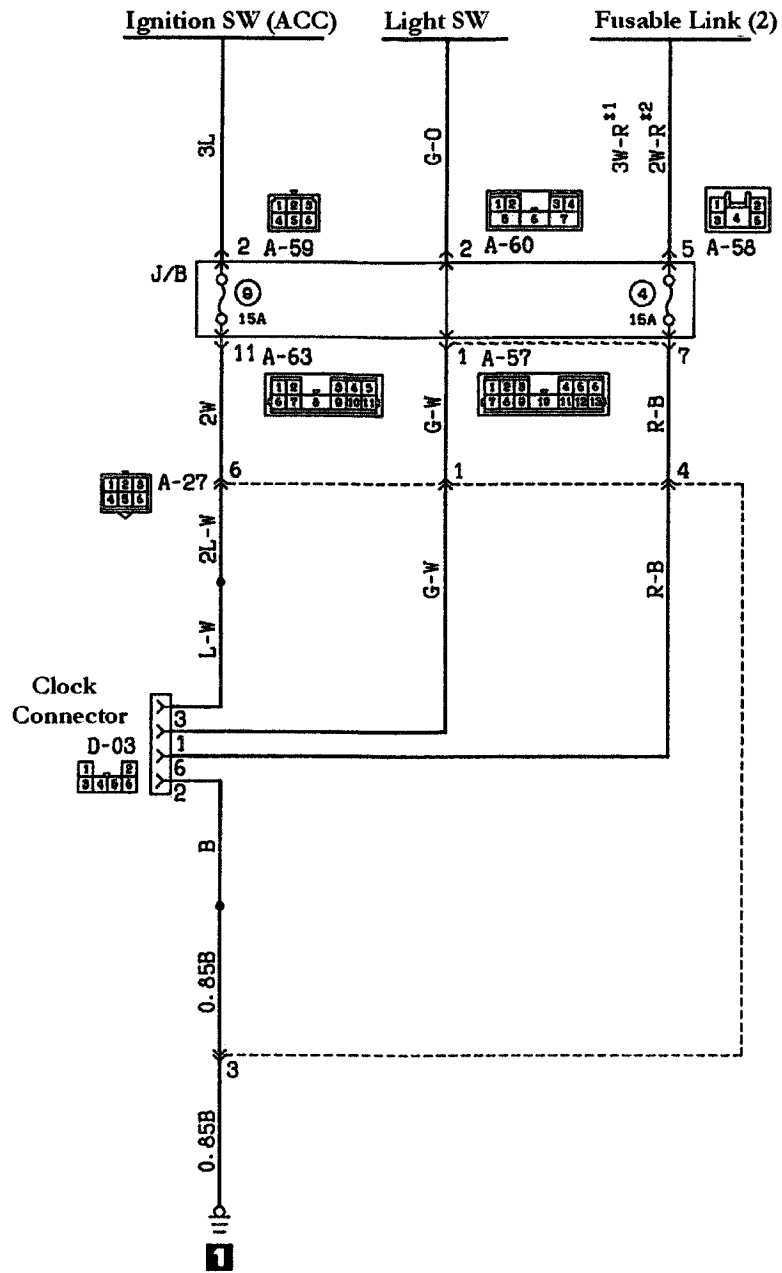
Lighting & Accessories

Radio Power Circuit



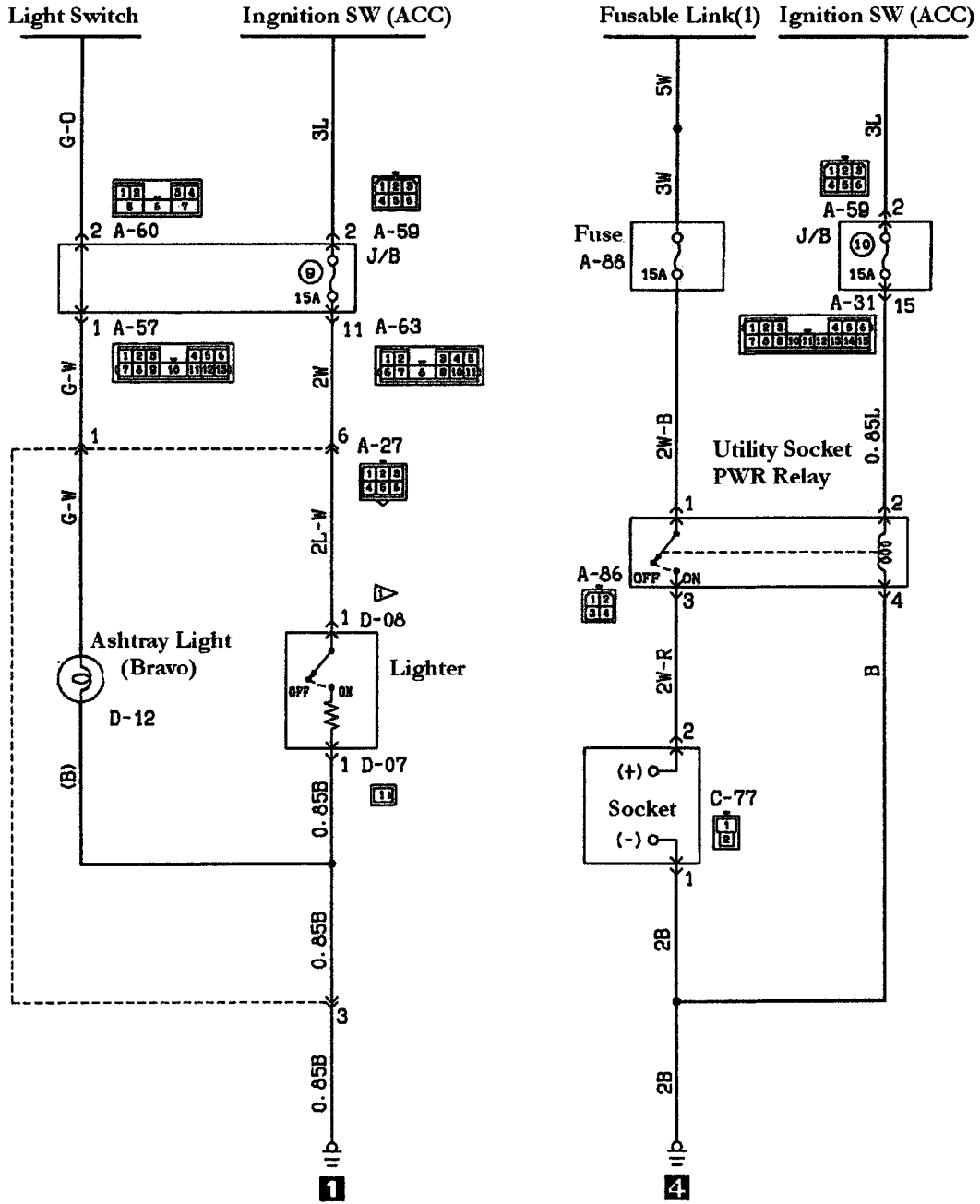
Lighting & Accessories

Clock



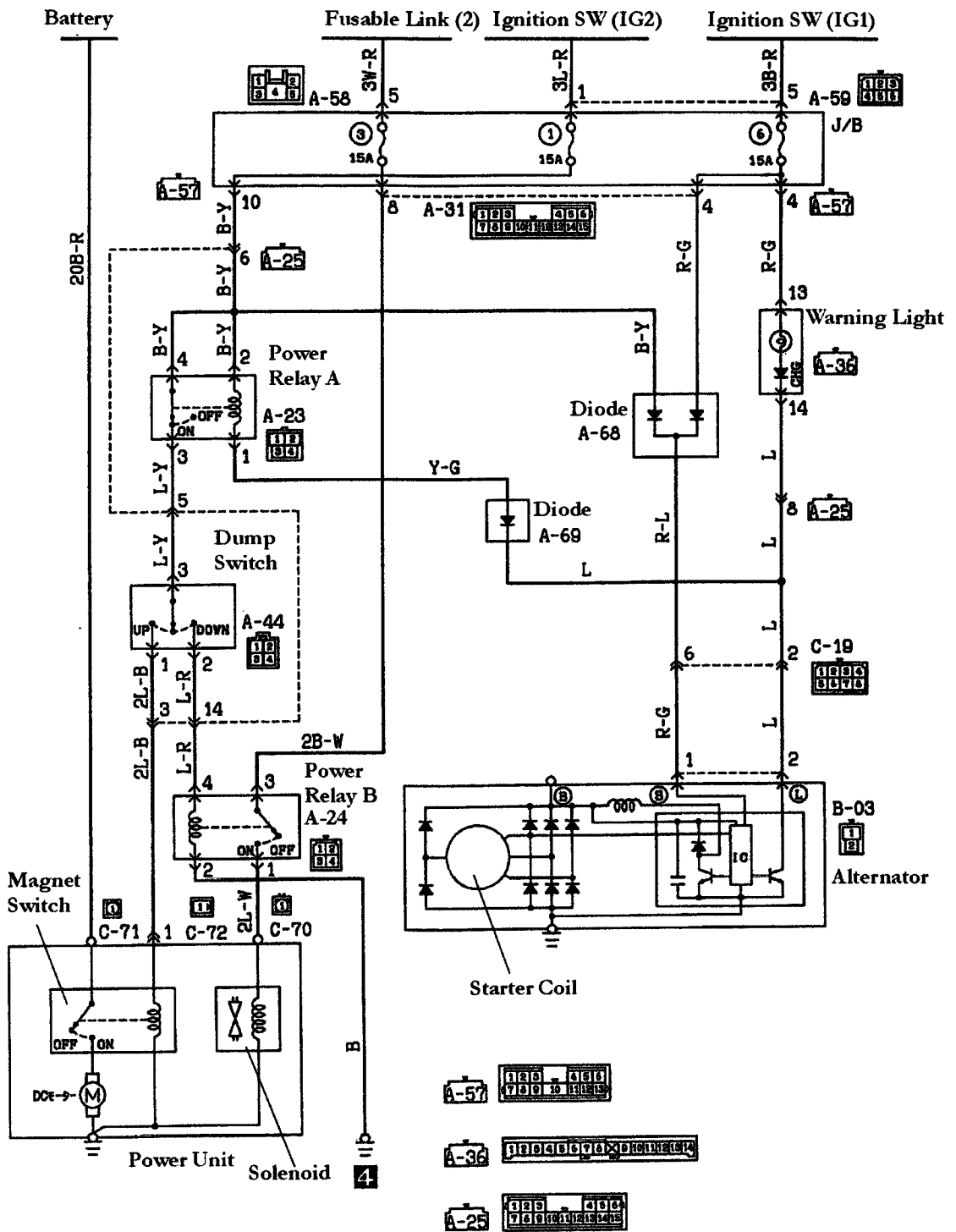
Lighting & Accessories

Lighter Socket (12v) & Utility Socket



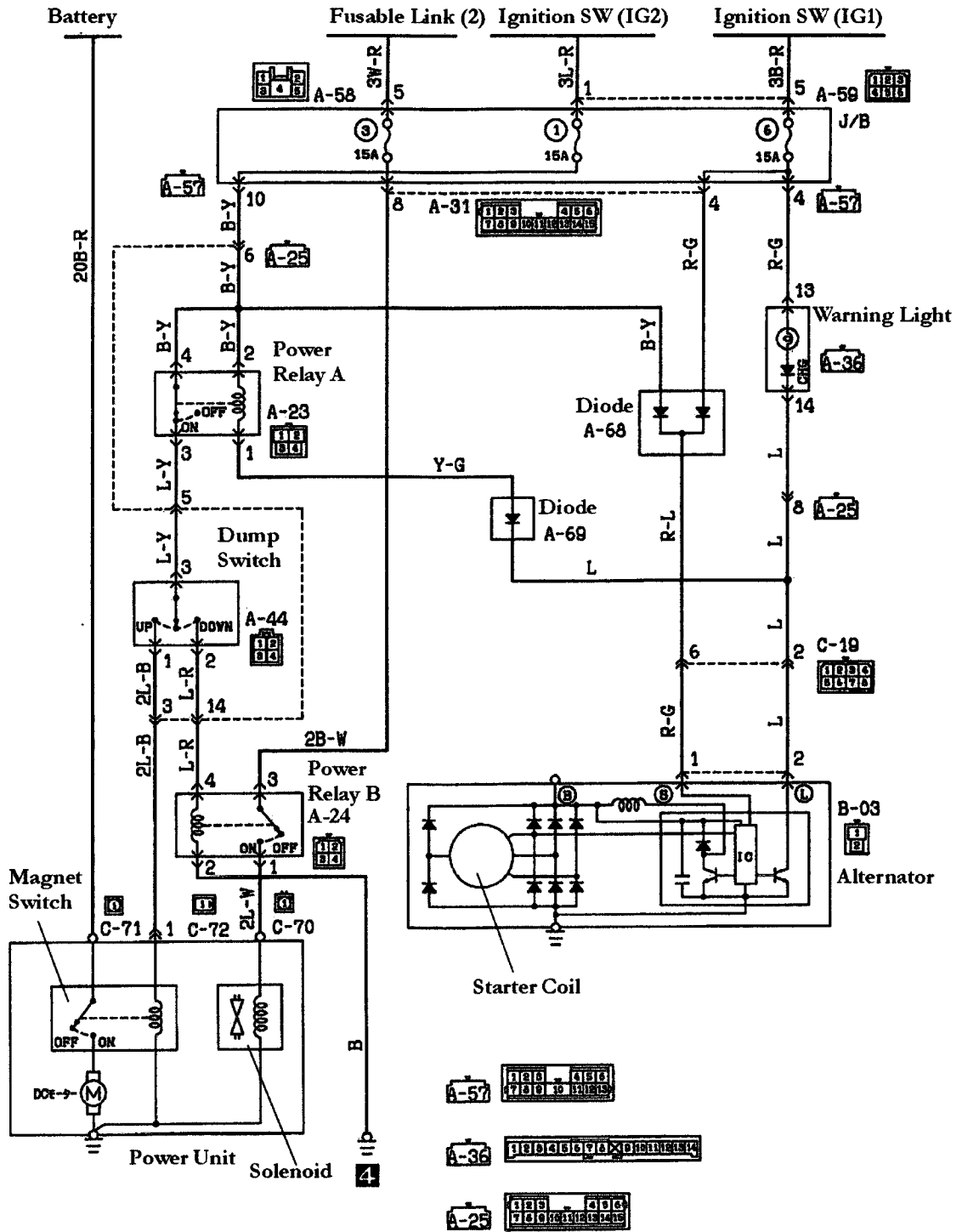
Lighting & Accessories

Dump Truck Circuits



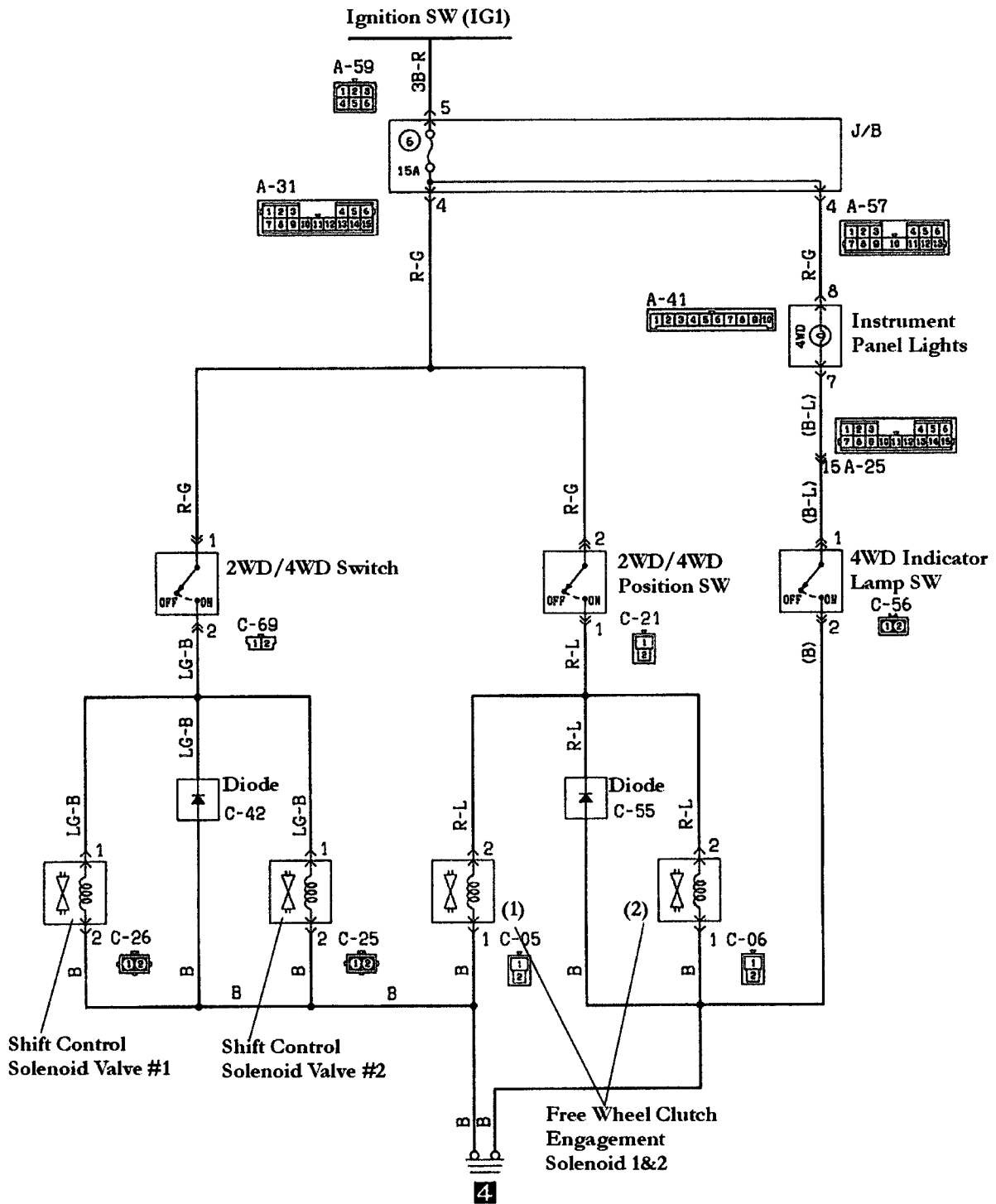
Lighting & Accessories

Dump Truck Circuits



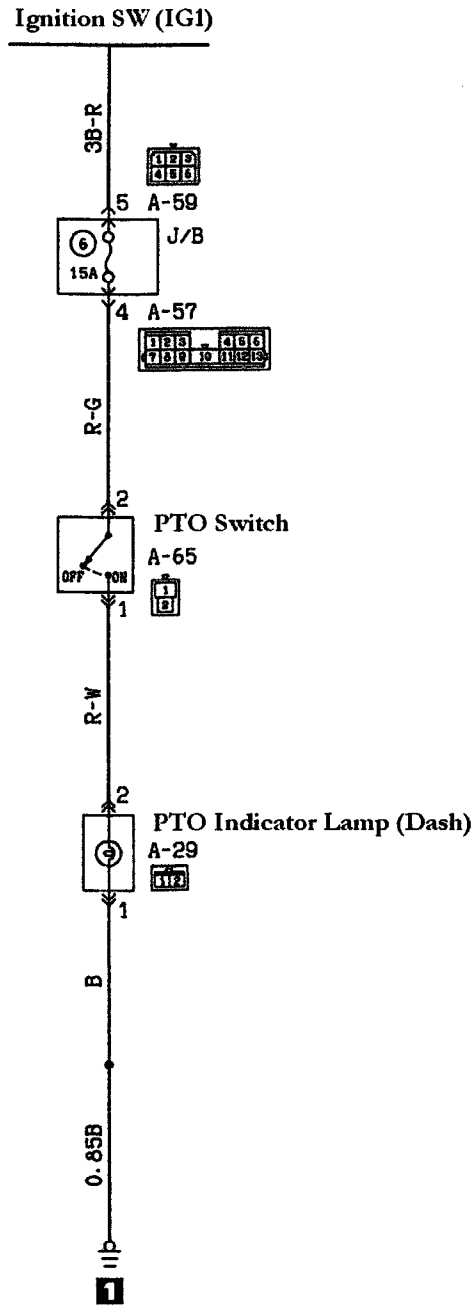
4WD

Part Time 4WD



Lighting & Accessories

PTO Option



Thank you!

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MINICAB

BRAVO

Full Electrical Series

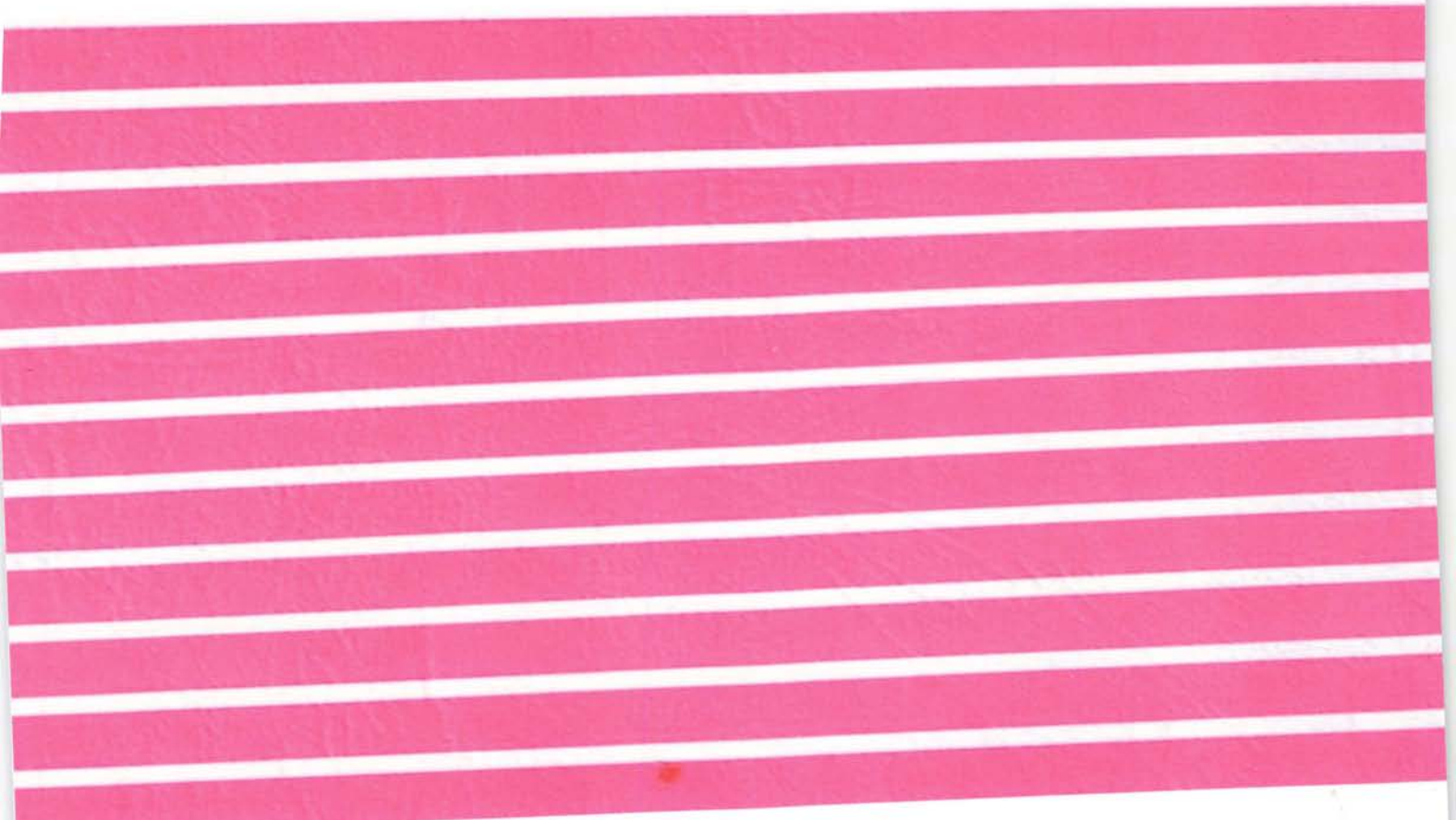
Series

V-U41T
V-U42T
V-U41TP
V-U42TP
V-U41V
V-U42V
V-U43V
V-U44V

mitsubishi

MINICAB

BRAVO



Full Electrical Series

Series

- V-U41T**
- V-U42T**
- V-U41TP**
- V-U42TP**
- V-U41V**
- V-U42V**
- V-U43V**
- V-U44V**