

DATSUN

Model A10 Series

SECTION BE

BODY ELECTRICAL SYSTEM

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BE

Wiring Diagrams
Series No. 2

Wiring Diagrams
Series No. 2
Station Wagon

BODY ELECTRICAL WIRING

DESCRIPTION

Cables are covered with color-coded vinyl for easy identification. In the wiring diagram, colors are indicated by one or two alphabetical letters.

It is recommended that the battery be disconnected before performing any electrical service other than bulb or fuse replacement.

In addition to fuses, a fusible link has been installed to protect wiring. The fusible link functions almost the same as a fuse, though its characteristics are slightly different than normal fuses.

CABLE COLORS

Cable colors are indicated by one or two alphabetical letters:

B: Black, Br: Brown, G: Green,
L: Blue, Lg: Light green,
R: Red, W: White, Y: Yellow

The main cable is generally coded with a single color. The others are coded with a two-tone color as below:

BW: Black with white stripe
GY: Green with yellow stripe

INSPECTION

Inspect all electrical circuits, referring to wiring or circuit diagrams. Circuits should be tested for continuity or short circuit with a conventional test lamp or low reading voltmeter. Before inspecting circuit, ensure that:

1. Each electrical component part or cable is securely fastened to its connector or terminal.
2. Each connection is firmly in place and free from rust and dirt.
3. No cable covering shows any evidence of cracks, deterioration or other damage.
4. Each terminal is at a safe distance away from any adjacent metal parts.
5. Each cable is fastened to its proper connector or terminal.
6. Each grounding bolt is firmly planted.
7. Wiring is kept away from any adjacent parts with sharp edges or high temperature parts (such as exhaust pipe).

8. Wiring is kept away from any rotating or working parts: fan pulley, fan belt, etc.

9. Cables between fixed portions and moving parts are long enough to withstand shocks and vibratory forces.

Note:

- a. Before starting to inspect and repair any part of electrical system or other parts which may lead to a short circuit, disconnect cables at battery terminals as follows:

Disconnect cable at negative (-) terminal, and then disconnect cable at positive (+) terminal.

Before connecting cables to battery terminal, be sure to clean terminals with a rag. Fasten cable at positive (+) terminal, and then ground cable at negative (-) terminal. Apply grease to top of these terminals to prevent rust from developing on them.

- b. Never use a screwdriver or service tool to conduct a continuity test. Use test leads.
- c. Never ground an open circuit or circuits under no load. Use a test lamp (12V-3W) or circuit tester as a load.

FUSE AND FUSIBLE LINK

MAINTENANCE INSTRUCTIONS

Fuse

The fuse block is installed under the instrument panel on driver's side.

When, for one reason or another, fuse has melted, use systematic procedure to check and eliminate cause of problem before installing new fuse.

Note:

- a. If fuse is blown, be sure to eliminate cause of problem before installing new fuse.

b. Use fuse of specified rating. Never use fuse of more than specified rating.

c. Check condition of fuse holders. If much rust or dirt is found thereon, clean metal parts with fine-grained sandpaper until proper metal-to-metal contact is made.

Poor contact in any fuse holder will often lead to voltage drop or heating in the circuit and could result in improper circuit operation.

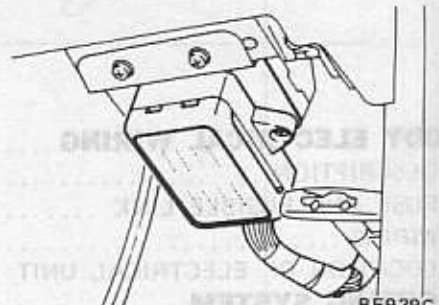


Fig. BE-1 Fuse Block

Fusible link

Fusible link protects starting, ignition and charge circuits, and wiring between fuse and fusible link.

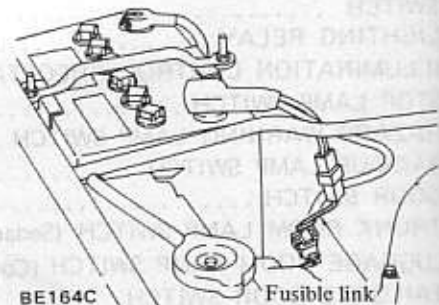


Fig. BE-2 Fusible Link

CAUTION:

- a. If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of problem.
- b. Never wrap periphery of fusible link with vinyl tape. Extreme care should be taken with this link to ensure that it does not come into contact with any other wiring harness or vinyl or rubber parts.

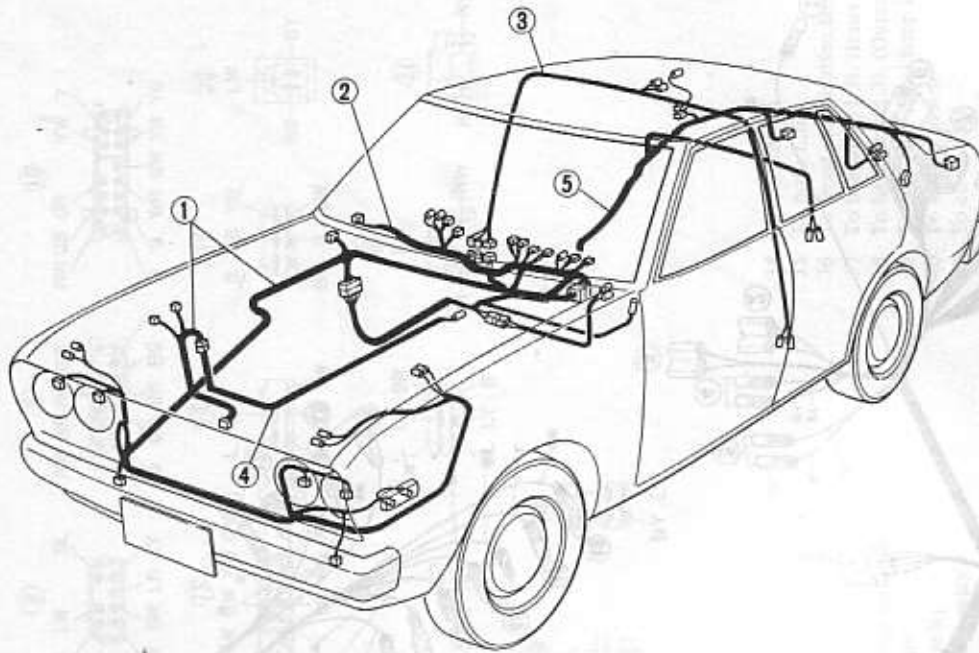
Body Electrical System

A melted fusible link can be detected either by visual inspection or by feeling with finger-tip. If its condition

is questionable, use circuit tester or test lamp, as required, to conduct continuity test. This continuity test

can be performed in the same manner as for any conventional fuse.

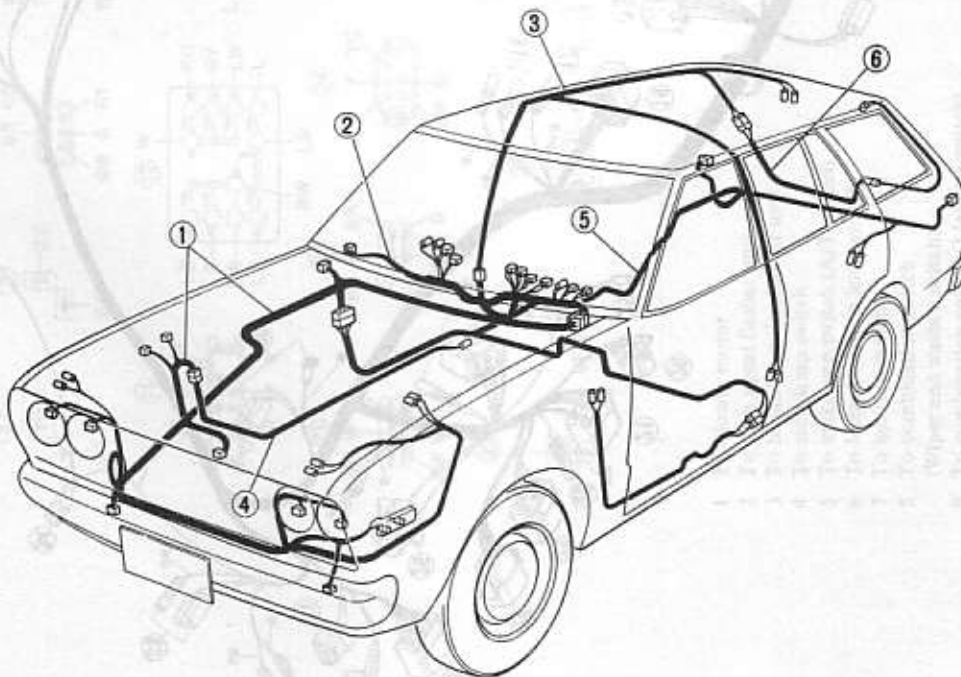
WIRING



- 1 Main harness
- 2 Instrument harness
- 3 Room lamp harness
- 4 Engine harness No. 2
- 5 Body harness

BE224C

Fig. BE-3 Wiring (Sedan and Coupe)



- 1 Main harness
- 2 Instrument harness
- 3 Room lamp harness
- 4 Engine harness No. 2
- 5 Body harness
- 6 Tailgate harness

BE225C

Fig. BE-4 Wiring (Station Wagon)

WIRING HARNESS

Main harness

DESCRIPTION

Cables are covered with color-coded vinyl for easy identification. In the wiring diagram, colors are indicated by one or two alphabetical letters.

It is recommended that the battery be disconnected before performing any electrical service or fuse replacement.

In addition to the main harness, a fuse block has been installed. The fuse block is located in the engine compartment. The fuse block is labeled as follows:

FUSE BLOCK
 1. Green with yellow wiring
 2. Green with yellow wiring
 3. Green with yellow wiring
 4. Green with yellow wiring
 5. Green with yellow wiring
 6. Green with yellow wiring
 7. Green with yellow wiring
 8. Green with yellow wiring
 9. Green with yellow wiring
 10. Green with yellow wiring
 11. Green with yellow wiring
 12. Green with yellow wiring
 13. Green with yellow wiring
 14. Green with yellow wiring
 15. Green with yellow wiring
 16. Green with yellow wiring
 17. Green with yellow wiring
 18. Green with yellow wiring
 19. Green with yellow wiring
 20. Green with yellow wiring
 21. Green with yellow wiring
 22. Green with yellow wiring
 23. Green with yellow wiring
 24. Green with yellow wiring
 25. Green with yellow wiring
 26. Green with yellow wiring
 27. Green with yellow wiring
 28. Green with yellow wiring
 29. Green with yellow wiring
 30. Green with yellow wiring
 31. Green with yellow wiring
 32. Green with yellow wiring
 33. Green with yellow wiring
 34. Green with yellow wiring
 35. Green with yellow wiring
 36. Green with yellow wiring
 37. Green with yellow wiring
 38. Green with yellow wiring
 39. Green with yellow wiring
 40. Green with yellow wiring
 41. Green with yellow wiring
 42. Green with yellow wiring
 43. Green with yellow wiring
 44. Green with yellow wiring
 45. Green with yellow wiring
 46. Green with yellow wiring
 47. Green with yellow wiring
 48. Green with yellow wiring
 49. Green with yellow wiring

INSPECTION

Inspect all electrical connections for wiring or cross connections. Connections should be tested for shorts to ground with a continuity tester or low resistance tester. Insulate damaged wiring.

Each electrical connection should be made with a security fastener. Tighten to the specified torque.

Each connection is identified with a color-coded label. The label is placed on the cable covering the connection. The label is identified as follows:

Label
 1. Green with yellow wiring
 2. Green with yellow wiring
 3. Green with yellow wiring
 4. Green with yellow wiring
 5. Green with yellow wiring
 6. Green with yellow wiring
 7. Green with yellow wiring
 8. Green with yellow wiring
 9. Green with yellow wiring
 10. Green with yellow wiring
 11. Green with yellow wiring
 12. Green with yellow wiring
 13. Green with yellow wiring
 14. Green with yellow wiring
 15. Green with yellow wiring
 16. Green with yellow wiring
 17. Green with yellow wiring
 18. Green with yellow wiring
 19. Green with yellow wiring
 20. Green with yellow wiring
 21. Green with yellow wiring
 22. Green with yellow wiring
 23. Green with yellow wiring
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 32. Green with yellow wiring
 33. Green with yellow wiring
 34. Green with yellow wiring
 35. Green with yellow wiring
 36. Green with yellow wiring
 37. Green with yellow wiring
 38. Green with yellow wiring
 39. Green with yellow wiring
 40. Green with yellow wiring
 41. Green with yellow wiring
 42. Green with yellow wiring
 43. Green with yellow wiring
 44. Green with yellow wiring
 45. Green with yellow wiring
 46. Green with yellow wiring
 47. Green with yellow wiring
 48. Green with yellow wiring
 49. Green with yellow wiring

Wiring is kept away from any moving or working parts; fuel pipes; hot pipes; etc.

Cables between fixed positions and moving parts are long enough to withstand shocks and vibration forces.

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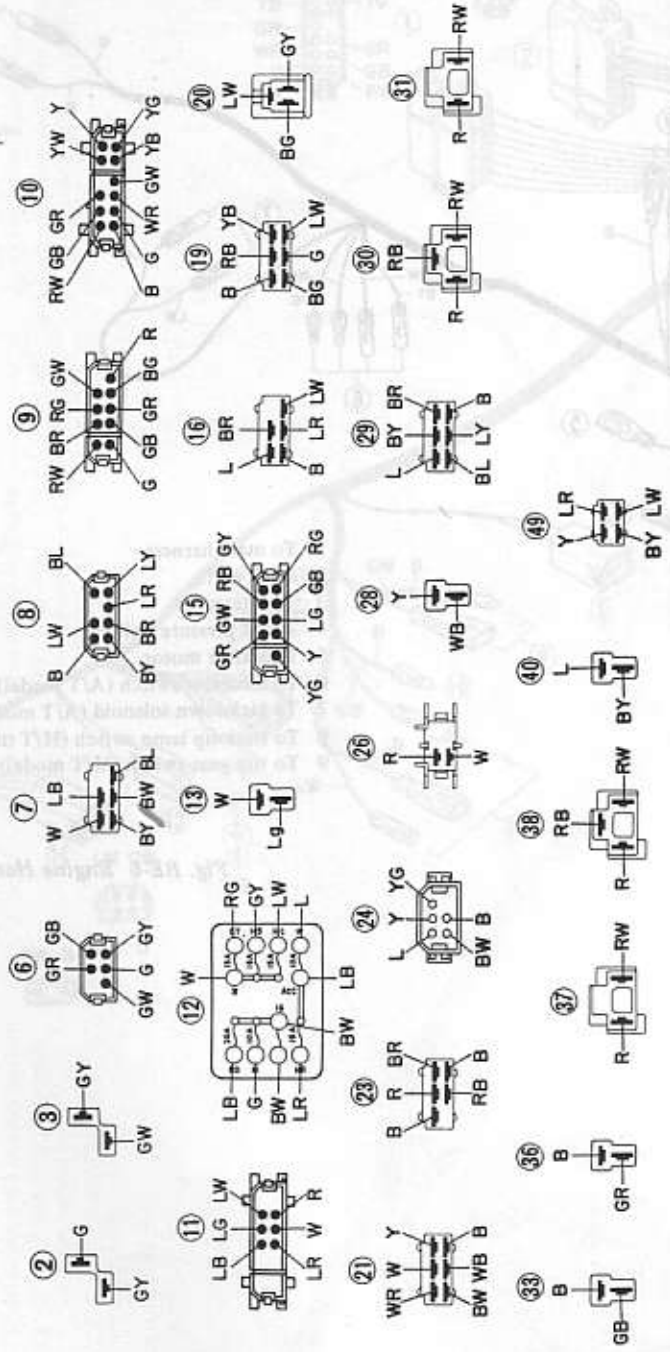
Wiring is kept away from any moving or working parts; fuel pipes; hot pipes; etc.

Cables between fixed positions and moving parts are long enough to withstand shocks and vibration forces.

Wiring is kept away from any moving or working parts; fuel pipes; hot pipes; etc.

Cables between fixed positions and moving parts are long enough to withstand shocks and vibration forces.

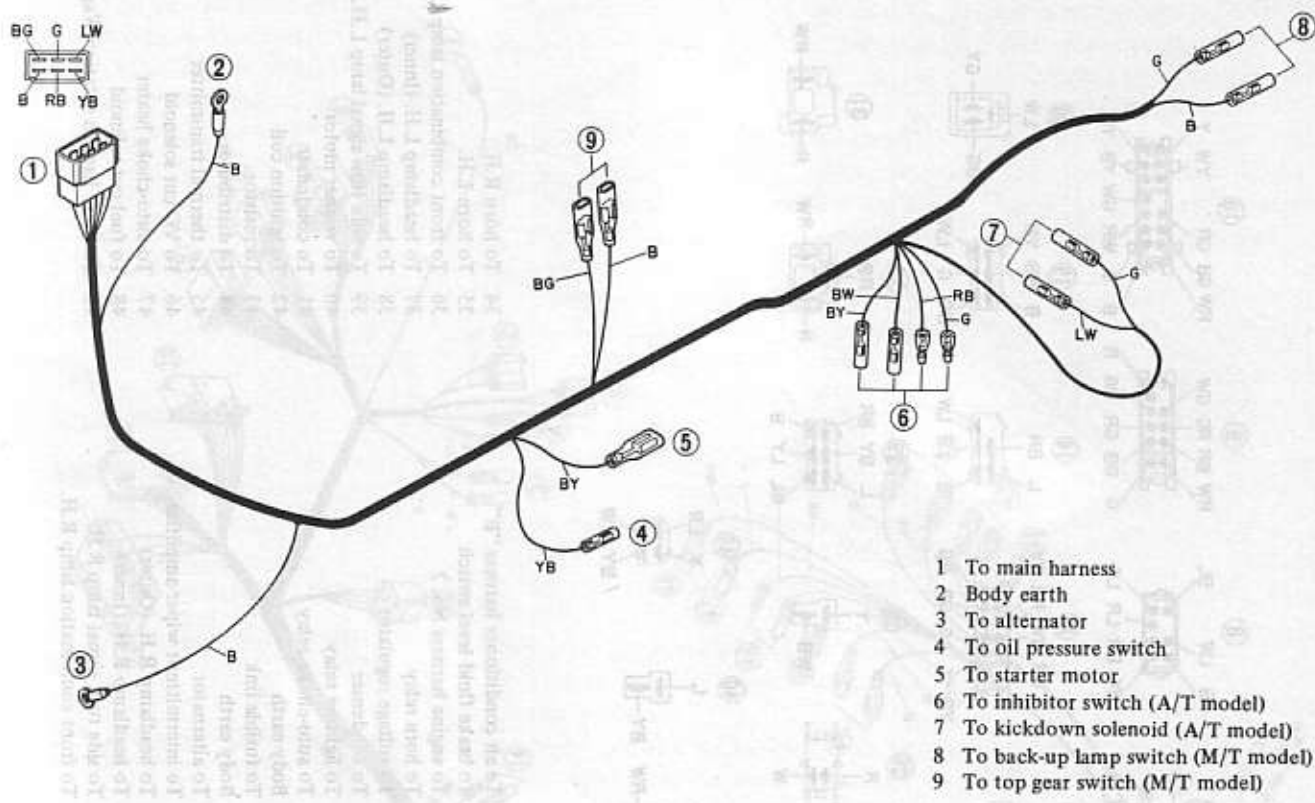
Wiring is kept away from any moving or working parts; fuel pipes; hot pipes; etc.



- 1 To blower motor
- 2 To turn signal flasher unit
- 3 To hazard warning flasher unit
- 4 To stop lamp switch
- 5 To kickdown switch (A/T model)
- 6 To hazard warning lamp switch
- 7 To ignition switch
- 8 To combination switch (Wiper and washer switch)
- 9 To combination switch (Lighting switch)
- 10 To instrument harness
- 11 To instrument harness
- 12 Fuse block
- 13 To air conditioner harness "A"
- 14 To indicator harness (A/T model)
- 15 To body harness
- 16 To wiper motor
- 17 To air conditioner harness "B"
- 18 To brake fluid level switch
- 19 To engine harness No. 2
- 20 To horn relay
- 21 To voltage regulator
- 22 To condenser
- 23 To lighting relay
- 24 To auto-choke relay
- 25 Body earth
- 26 To fuseable link
- 27 Body earth
- 28 To alternator
- 29 To intermittent wiper amplifier
- 30 To headlamp R.H. (Outer)
- 31 To headlamp R.H. (Inner)
- 32 To side turn signal lamp R.H.
- 33 To front combination lamp R.H.
- 34 To horn R.H.
- 35 To horn L.H.
- 36 To front combination lamp L.H.
- 37 To headlamp L.H. (Inner)
- 38 To headlamp L.H. (Outer)
- 39 To side turn signal lamp L.H.
- 40 To washer motor
- 41 To condenser
- 42 To ignition coil
- 43 To resistor
- 44 To distributor
- 45 To thermal transmitter
- 46 To VC cut solenoid
- 47 To auto-choke heater
- 48 To fuel cut solenoid
- 49 To body harness (Station Wagon only)

Fig. BE-5 Main Harness

Engine harness No. 2

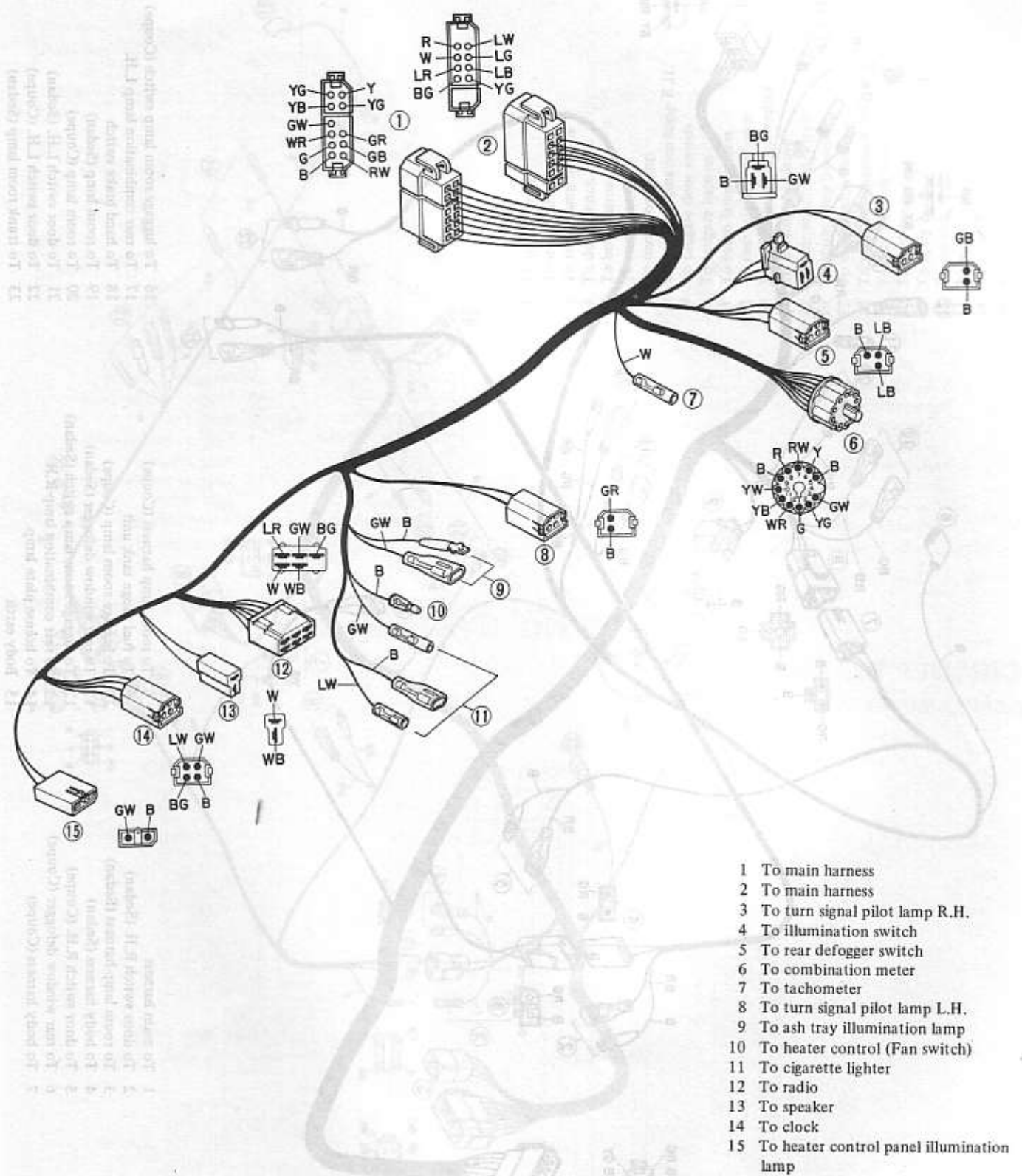


- 1 To main harness
- 2 Body earth
- 3 To alternator
- 4 To oil pressure switch
- 5 To starter motor
- 6 To inhibitor switch (A/T model)
- 7 To kickdown solenoid (A/T model)
- 8 To back-up lamp switch (M/T model)
- 9 To top gear switch (M/T model)

BE941C

Fig. BE-6 Engine Harness No. 2

Instrument harness



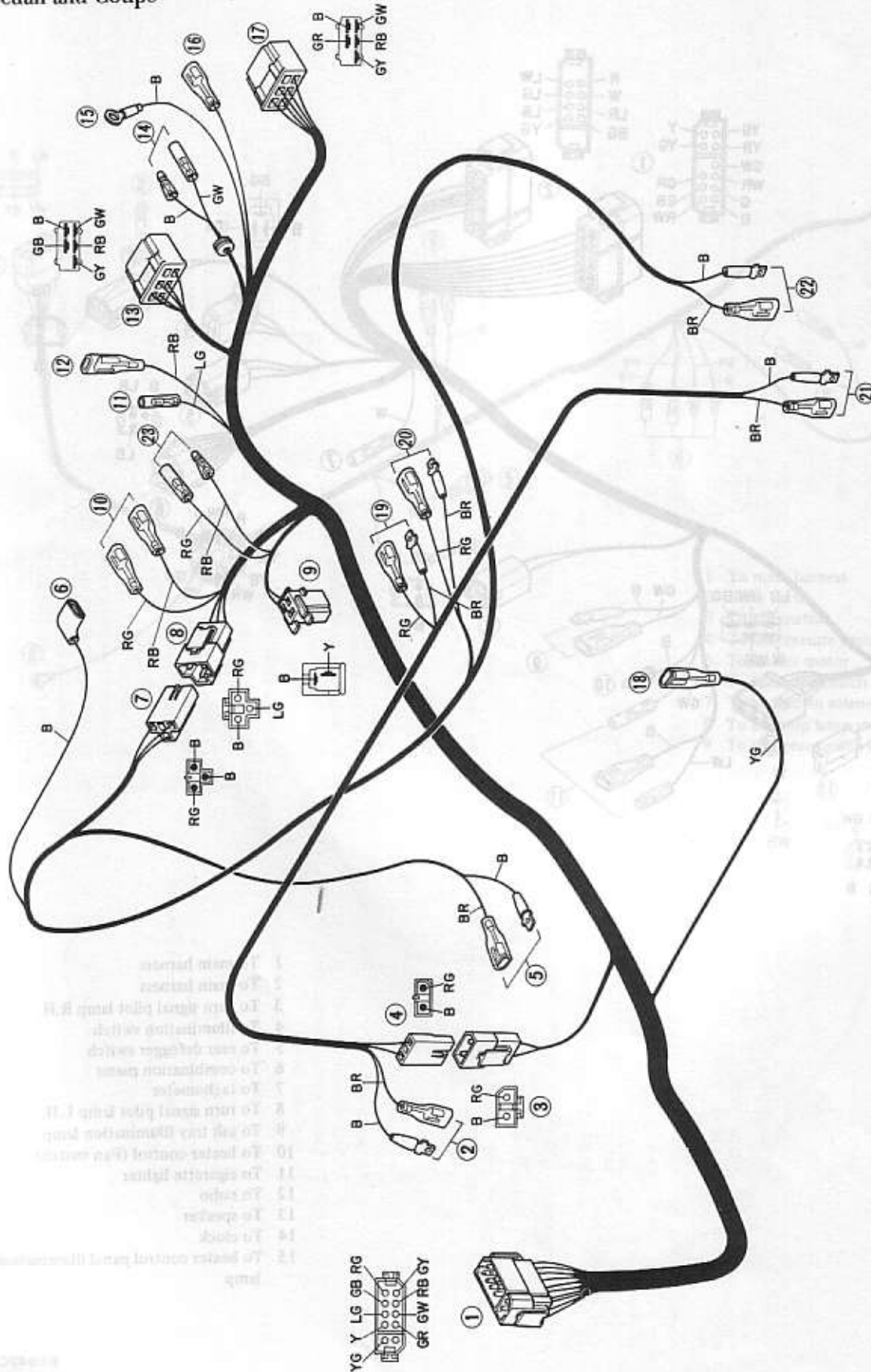
- 1 To main harness
- 2 To main harness
- 3 To turn signal pilot lamp R.H.
- 4 To illumination switch
- 5 To rear defogger switch
- 6 To combination meter
- 7 To tachometer
- 8 To turn signal pilot lamp L.H.
- 9 To ash tray illumination lamp
- 10 To heater control (Fan switch)
- 11 To cigarette lighter
- 12 To radio
- 13 To speaker
- 14 To clock
- 15 To heater control panel illumination lamp

BE942C

Fig BE-7 Instrument Harness

Body and room lamp harness

Sedan and Coupe



- 16 To luggage room lamp switch (Coupe)
- 17 To rear combination lamp L.H.
- 18 To hand brake switch
- 19 To room lamp (Sedan)
- 20 To room lamp (Coupe)
- 21 To door switch L.H. (Sedan)
- 22 To door switch L.H. (Coupe)
- 23 To trunk room lamp (Sedan)

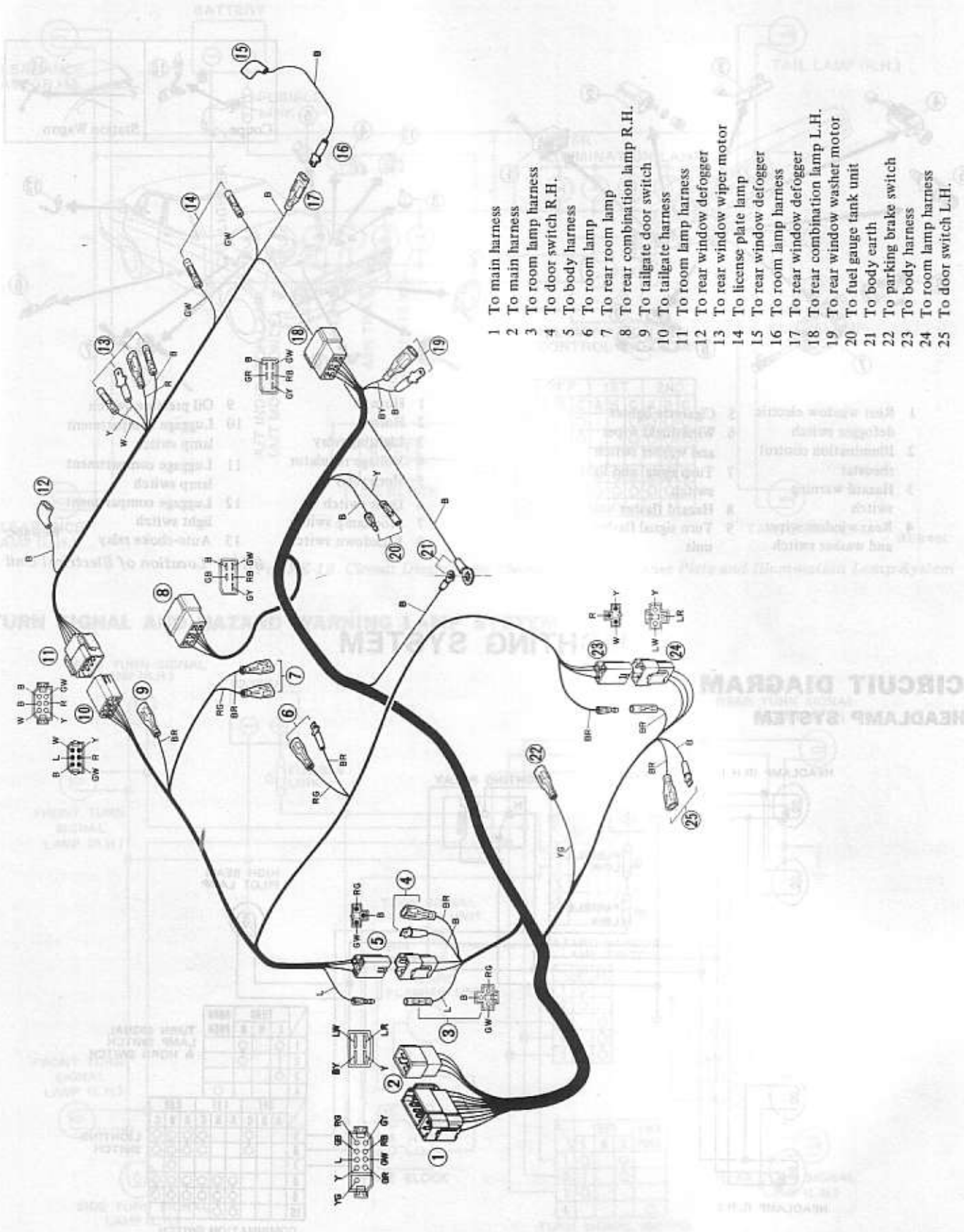
- 8 To room lamp harness (Coupe)
- 9 To fuel gauge tank unit
- 10 To luggage room lamp (Coupe)
- 11 To rear window defogger (Sedan)
- 12 To luggage room lamp switch (Sedan)
- 13 To rear combination lamp R.H.
- 14 To license plate lamp
- 15 Body earth

- 1 To main harness
- 2 To door switch R.H. (Sedan)
- 3 To room lamp harness (Sedan)
- 4 To body harness (Sedan)
- 5 To door switch R.H. (Coupe)
- 6 To rear window defogger (Coupe)
- 7 To body harness (Coupe)

BE943C

Fig. BE-8 Body and Room Lamp Harness (Sedan and Coupe)

Body, room lamp and tailgate harness (Station Wagon)



- 1 To main harness
- 2 To main harness
- 3 To room lamp harness
- 4 To door switch R.H.
- 5 To body harness
- 6 To room lamp
- 7 To rear room lamp
- 8 To rear combination lamp R.H.
- 9 To tailgate door switch
- 10 To tailgate harness
- 11 To room lamp harness
- 12 To rear window defogger
- 13 To license plate lamp
- 14 To rear window defogger
- 15 To room lamp harness
- 16 To rear window defogger
- 17 To rear combination lamp L.H.
- 18 To fuel gauge tank unit
- 19 To body earth
- 20 To parking brake switch
- 21 To body harness
- 22 To room lamp harness
- 23 To door switch L.H.

BE944C

Fig. BE-9 Body, Room Lamp and Tailgate Harness (Station Wagon)