

# WIRING DIAGRAM

8FG(D)U15-32, 8FGCU20-32

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# CHAPTER 1 INTRODUCTION

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| JUNCTION BLOCK (J/B) / RELAY BLOCK (R/B) .....           | E1-4  |
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## CHAPTERS OF THIS SECTION

This section consists of the following 6 chapters:

|  |   |
|--|---|
| Chapter 1 INTRODUCTION                                   | Gives brief explanation of each chapter, provides instructions on how to use this manual, and defines the abbreviations used in the electrical circuit diagrams.  |
| Chapter 2 ELECTRICAL WIRING ROUTINGS and RELAY LOCATIONS | Electrical wiring routings show installation positions, ground points, connector numbers, and part names related to wire harnesses, connectors, relay blocks and junction blocks used in the forklift, such as in the engine room, instrument panel and mast area.<br>Relay locations show design drawings and internal circuit diagrams related to relays, relay blocks (R/B), junction blocks (J/B), fusible links (F/L) and junction connectors (J/C). |
| Chapter 3 SYSTEM CIRCUITS                                | Show power supply circuit diagrams and wiring diagrams for each system, such as the engine.<br>(Only wiring information for complete circuits is shown.)  |
| Chapter 4 GROUND POINTS                                  | Show related systems for each ground point.   |
| Chapter 5 FUSES FOR POWER SUPPLY                         | Show power distribution from each power supply (fuse or fusible link) to various systems.   |
| Chapter 6 CONNECTOR LIST                                 | Shows shapes and part numbers of connectors used in electrical wiring routings and electrical wiring diagrams.  |

## INTRODUCTION

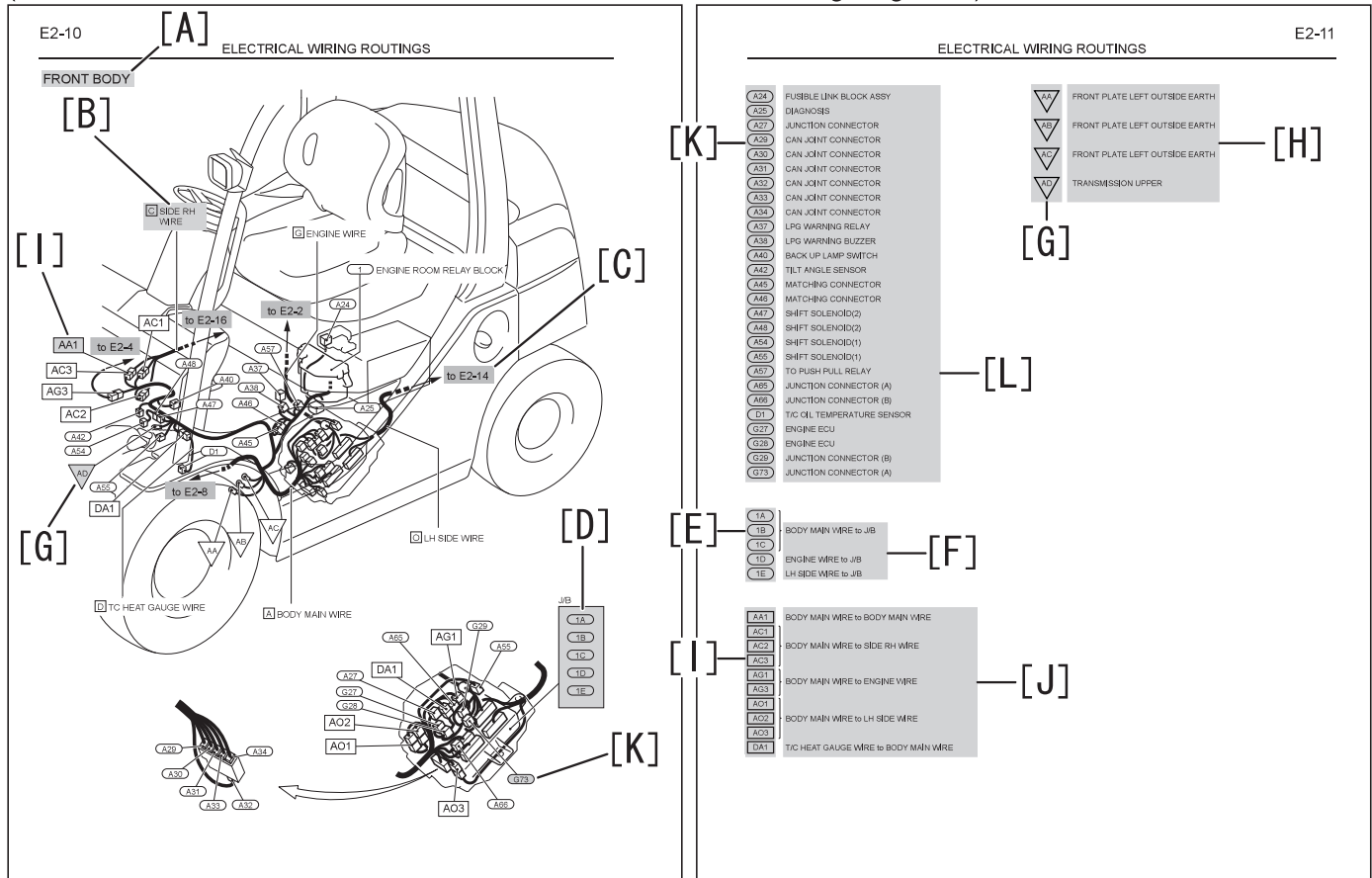
## HOW TO READ CHAPTERS

## Chapter 2 ELECTRICAL WIRING ROUTINGS and RELAY LOCATIONS

## ELECTRICAL WIRING ROUTINGS

Electrical wiring routings show installation positions, ground points, connector numbers, and part names related to wire harnesses, connectors, relay blocks and junction blocks used in the forklift.

(Connector codes are the same as those used in the electrical wiring diagrams.)

**[A] Title**

Indicates a location on the forklift.

**[B] Wire harness**

Indicates a wire harness name.

**[C] Reference page for electrical wiring routing**

Indicates a reference page showing a wire harness location when the wire harness continues to the different electrical wiring routing.

**[D] Junction block**

Indicates a junction block name and a connector code to be connected.

**[E] Junction block connector**

Indicates a connector code connected to a junction block.

**[F] Wire harness and junction block connection**

Indicates a junction block name and a wire harness name to be connected.

**[G] Ground point code**

Indicates a ground point code.

**[H] Ground point name**

Indicates a ground point name.

**[I] Harness to harness connector**

Indicates a connector code that joins two wire harnesses.

**[J] Wire harness names**

Indicate two wire harness names for a wire harness and wire harness connection.

**[K] Part connector**

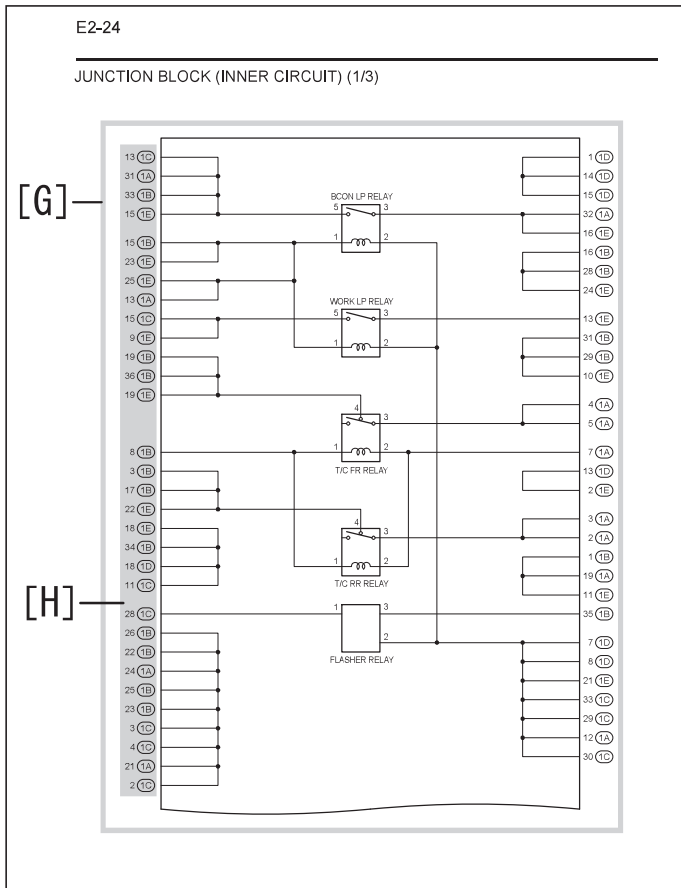
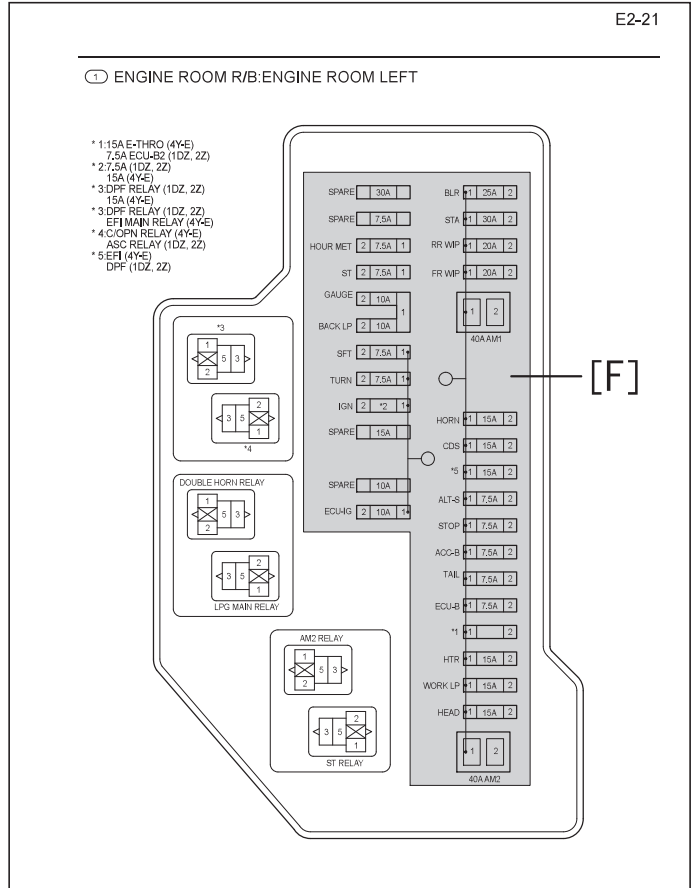
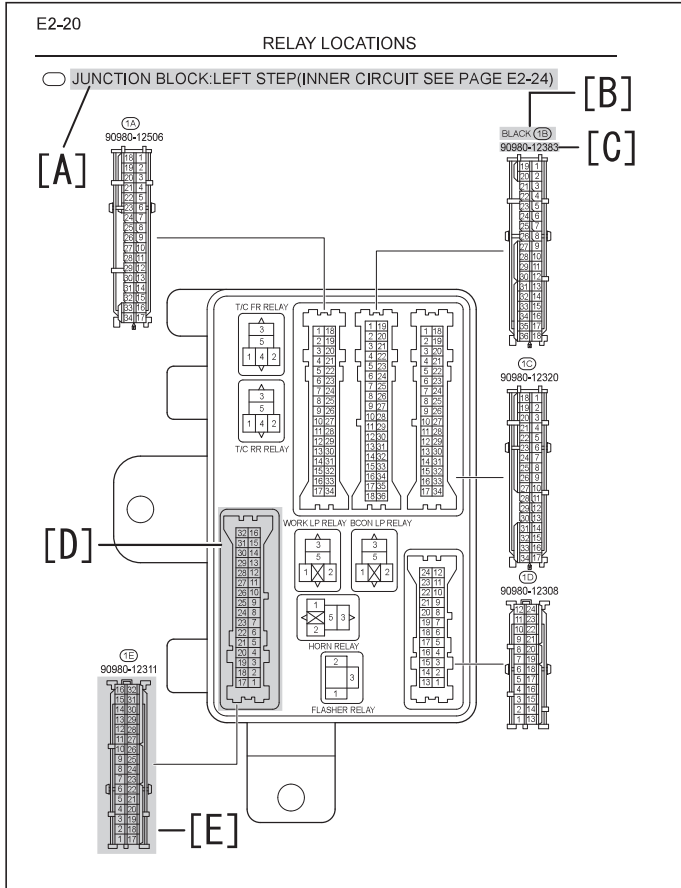
Indicates a connector code connected to a part.

**[L] Part name**

Indicates a part name connected to a connector.

RELAY LOCATIONS

Relay locations show connectors connected to junction blocks, relays, fuses and internal circuit diagrams.





[A] Junction block /relay block

Indicates a junction block or relay block name, its location and a reference page for an internal circuit diagram.

[B] Connector code and color

Indicates the code and color of a connector connected to a junction block.

[C] Connector part number

Indicates the part number of a connector.

[D] Connector shape and terminal number

Indicates a connector shape on the junction block side.

Numbers indicate terminal numbers.

[E] Connector shape and terminal number

Indicates a connector shape on the wire harness side.

Numbers indicate terminal numbers.

[F] Fuse

Indicates a fuse name and capacity.

Terminal 1 is on the primary side and terminal 2 is on the secondary side.

[G] Internal circuit diagram

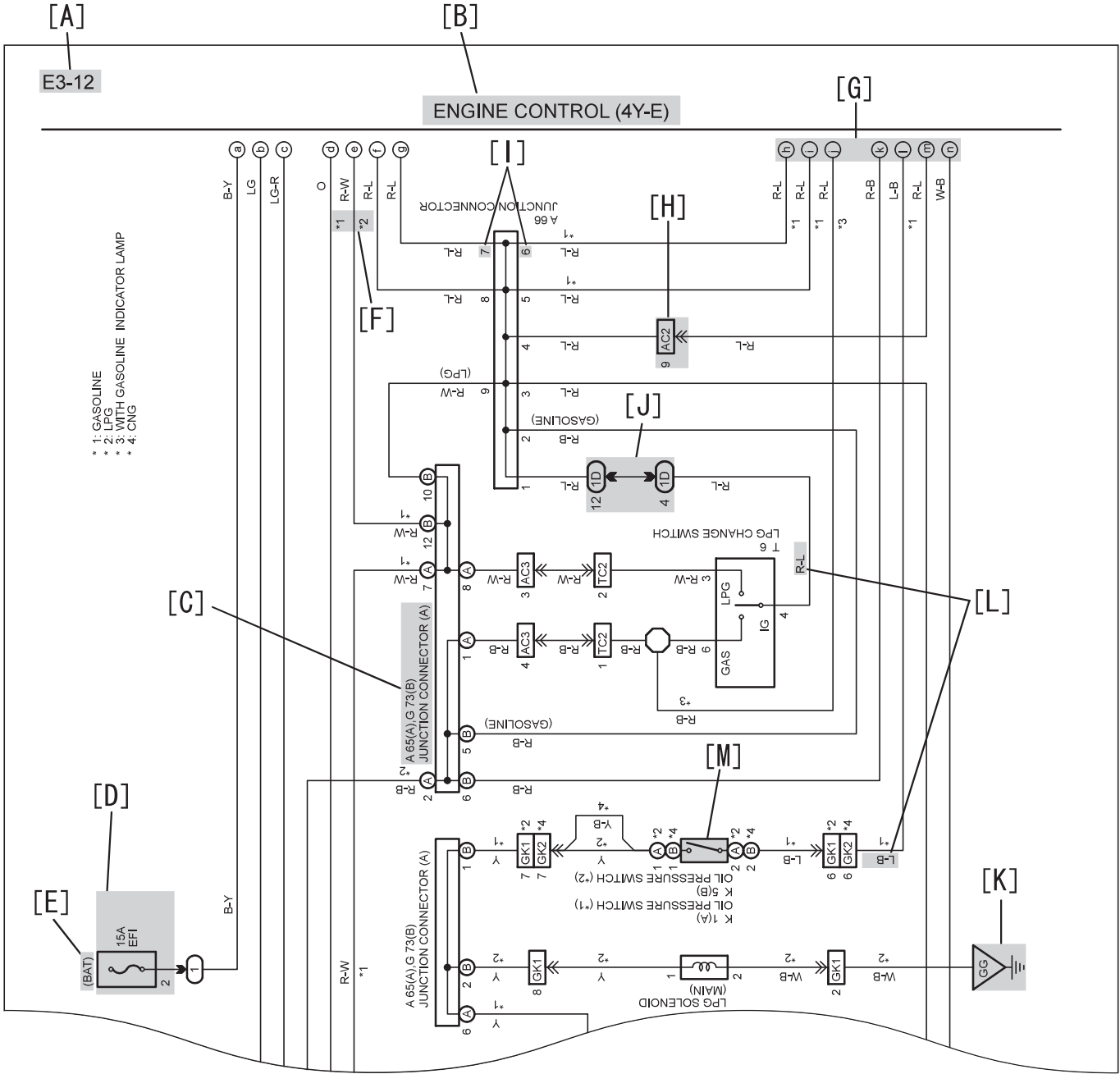
Indicates an internal circuit diagram of a junction block.

[H] Connector code and terminal number

Indicates a connector code and a terminal number connected to a junction block.

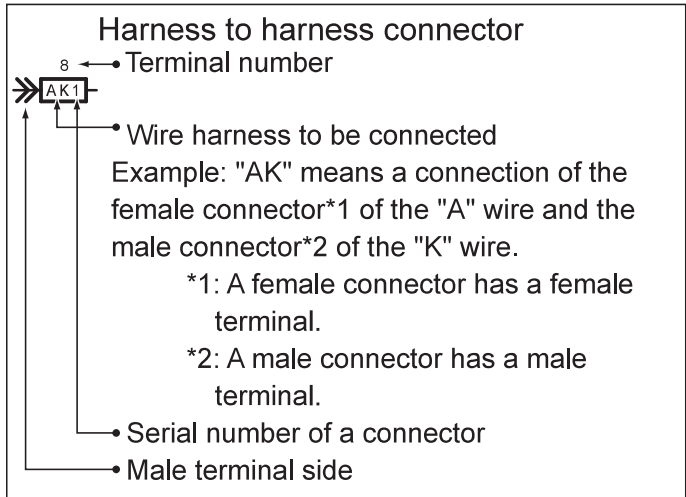
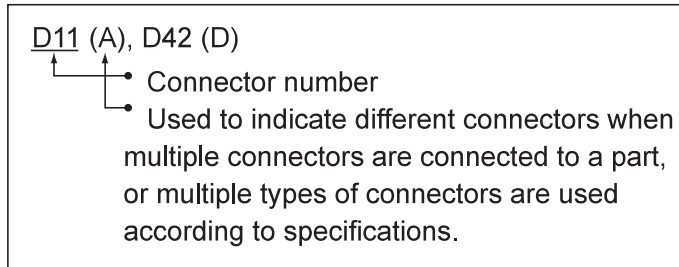
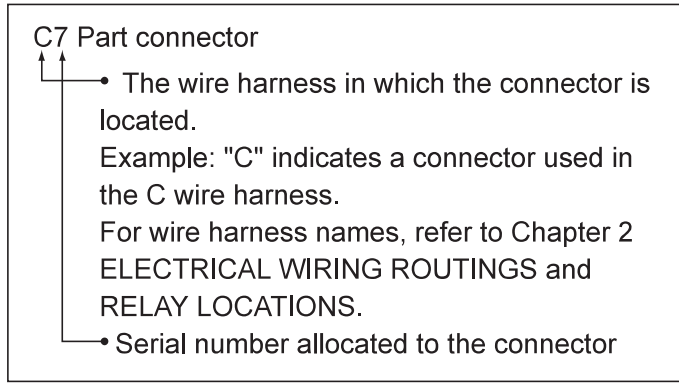
Chapter 3 SYSTEM CIRCUITS (1)  
SYSTEM CIRCUITS

A system circuit consists of a power source circuit diagram and respective system circuit diagrams. A power source circuit diagram shows the connections from the power source to fuses. A system diagram shows the connections from fuses to ground points of each system.



## INTRODUCTION

- [A] Section page  
Indicates the page number for the section.
- [B] System title  
Indicates a system name.
- [C] Part name and connector code  
Indicates a part name and connector code to be connected. For connector shapes, refer to chapter 6 CONNECTOR LIST.
- [G] Page-to-page connection code  
Indicates a wire harness continues onto the following page from the matching code.
- [H] Harness to harness connector  
Indicates a connector code that connects two wire harnesses.  
For the connector shape, refer to chapter 6 CONNECTOR LIST.



- [D] Fuse  
Indicates a fuse name and capacity.  
Terminal 1 is on the primary side and terminal 2 is on the secondary side.  
For fuse installation positions, refer to chapter 2 ELECTRICAL WIRING ROUTINGS and RELAY LOCATIONS.
- [E] Power supply information  
Indicates the ignition key position when power is supplied to a fuse.
- [F] Specification information  
Indicates that connectors or wire colors vary depending on forklift models, engine types or specifications.



## INTRODUCTION

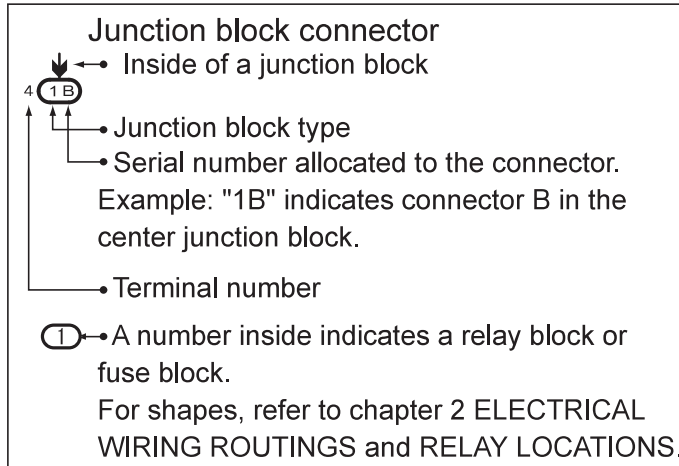
**[I] Terminal number**

Indicates a terminal number of a connector to be connected.

**[J] Junction block connector**

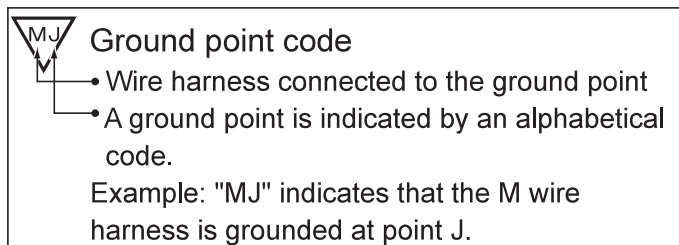
Indicates a connector code connected to a junction block.

For a connector shape, refer to chapter 2 ELECTRICAL WIRING ROUTINGS and RELAY LOCATIONS.

**[K] Ground point code**

Indicates a ground point code.

For ground point positions, refer to chapter 2 ELECTRICAL WIRING ROUTINGS and RELAY LOCATIONS.

**[L] Wire color**

Indicates a wire harness color.

When two alphabetical codes are indicated, for example "W-B", the first letter indicates the basic wire color and the second letter indicates the color of the stripe.

| Code | Wire Color | Code | Wire Color  | Code | Wire Color |
|------|------------|------|-------------|------|------------|
| B    | Black      | L    | Blue        | SB   | Sky Blue   |
| BR   | Brown      | LG   | Light Green | V    | Violet     |
| DG   | Dark Gray  | O    | Orange      | W    | White      |
| G    | Green      | P    | Pink        | Y    | Yellow     |
| GR   | Gray       | R    | Red         | AM   | Amber      |

Example : W-B



W - B  
(White) (Black)

**[M] Switch**

Circuit diagrams are shown with the switches in the OFF position.

For switch operation conditions, refer to the repair manual.

## REFERENCE PAGE

**[A] PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 20 | E2-8     | G 7  | E2-2     | G 21 | E2-2     | K 6  | E2-2     |
| A 25 | E2-10    | G 8  | E2-2     | G 25 | E2-2     | O 2  | E2-14    |
| A 27 | E2-10    | G 9  | E2-2     | G 26 | E2-2     | Q 1  | E2-8     |
| A 35 | E2-10    | G 10 | E2-2     | G 27 | E2-10    | S 12 | E2-14    |
| A 36 | E2-10    | G 11 | E2-2     | G 28 | E2-10    | T 6  | E2-16    |
| A 65 | E2-10    | G 12 | E2-2     | G 29 | E2-10    | a 1  | E2-8     |
| A 66 | E2-10    | G 13 | E2-2     | G 73 | E2-10    |      |          |
| C 1  | E2-16    | G 16 | E2-2     | K 1  | E2-2     |      |          |
| C 3  | E2-16    | G 18 | E2-2     | K 2  | E2-2     |      |          |
| G 6  | E2-2     | G 19 | E2-2     | K 3  | E2-2     |      |          |

**[B] RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Blocks Name or Joining Wire Harness and J/B |
|------|----------|---|
| 1    | E2-10    | Engine Room R/B                                   |
| 1C   | E2-19    | BODY MAIN WIRE to J/B                             |
| 1D   | E2-18    | ENGINE WIRE to J/B                                |
| 1E   | E2-18    | LH SIDE WIRE to J/B                               |

**[C] WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness          |
|------|----------|--|
| AC2  | E2-10    | BODY MAIN WIRE to SIDE RH WIRE                 |
| AC3  | E2-10    | BODY MAIN WIRE to SIDE RH WIRE                 |
| AG1  | E2-10    | BODY MAIN WIRE to ENGINE WIRE                  |
| AO1  | E2-10    | BODY MAIN WIRE to LH SIDE WIRE                 |
| Aa1  | E2-8     | BODY MAIN WIRE to SUB ACCEL WIRE               |
| GK1  | E2-2     | ENGINE WIRE to ENGINE SUB WIRE                 |
| GK2  | E2-2     | ENGINE WIRE to ENGINE SUB WIRE                 |
| QA1  | E2-8     | INSTRUMENT PANEL WIRE to BODY MAIN WIRE        |
| SO1  | E2-14    | REAR UPPER MAIN WIRE to LH SIDE WIRE           |
| TC2  | E2-16    | REAR UPPER SUB RH WIRE to SIDE RH WIRE         |
| TS1  | E2-16    | REAR UPPER SUB RH WIRE to REAR UPPER MAIN WIRE |

**[D] EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AB   | E2-10    | FRONT PLATE LEFT OUTSIDE EARTH |
| GF   | E2-2     | ENGINE UPPER EARTH             |
| GG   | E2-2     | ENGINE UPPER EARTH             |
| OK   | E2-14    | REAR PILLER LEFT UNDER EARTH   |

**[A] Parts**

Indicates pages showing electrical wiring routings for the parts.

**[B] Relay blocks and junction blocks**

Indicates titles and pages showing electrical wiring routings for the relay blocks or junction blocks.

**[C] Connections of wire harness and wire harness**

Indicates titles and pages showing electrical wiring routings for the connections of two wire harnesses.

**[D] Ground points**

Indicates titles and pages showing electrical wiring routings for the ground points.

## INTRODUCTION

Chapter 4 GROUND POINTS  
GROUND POINTS

These tables describe related systems for each ground point.

E4-2

GROUND POINTS

| CODE | GROUND POINT LOCATION    | SYSTEM NAME              | PAGE  |
|------|--------------------------|--------------------------|-------|
| AA   | FRONT PLATE LEFT OUTSIDE | SAS/OPS SYSTEM           | E3-36 |
|      |                          | CLEARANCE LAMP           | E3-72 |
|      |                          | STOP LAMP                | E3-76 |
|      |                          | STROBE LIGHT             | E3-52 |
|      |                          | TURN SIGNAL LAMP         | E3-70 |
|      |                          | BACK UP LAMP BUZZER      | E3-74 |
|      |                          | HEAD LAMP                | E3-68 |
|      |                          | POWER SHIFT TRANSMISSION | E3-32 |
| AB   | FRONT PLATE LEFT OUTSIDE | SAS/OPS SYSTEM           | E3-36 |
|      |                          | ENGINE CONTROL (4Y-E)    | E3-10 |
|      |                          | COOLER                   | E3-80 |
|      |                          | CLEARANCE LAMP           | E3-72 |
|      |                          | COMBINATION METER        | E3-54 |
|      |                          | BACK UP LAMP BUZZER      | E3-74 |
|      |                          | WET BRAKE                | E3-34 |
| AC   | FRONT PLATE LEFT OUTSIDE | DIAG                     | E3-42 |
|      |                          | COOLER                   | E3-80 |
|      |                          | STARTING                 | E3-6  |
|      |                          | STROBE LIGHT             | E3-52 |
|      |                          | TURN SIGNAL LAMP         | E3-70 |
|      |                          | HEATER                   | E3-78 |
|      |                          | FRONT WIPER AND WASHER   | E3-60 |
|      |                          | HEAD LAMP                | E3-68 |
|      |                          | HORN                     | E3-64 |
|      |                          | REAR WIPER AND WASHER    | E3-62 |
|      |                          | REAR WIPER AND WASHER    | E3-28 |

Chapter 5 FUSES FOR POWER  
FUSES FOR POWER

These tables describe power distribution from each power supply (fuse or fusible link) to various systems.

E5-3

FUSE FOR POWER SUPPLY

**FUSIBLE LINK BLOCK ASSY**

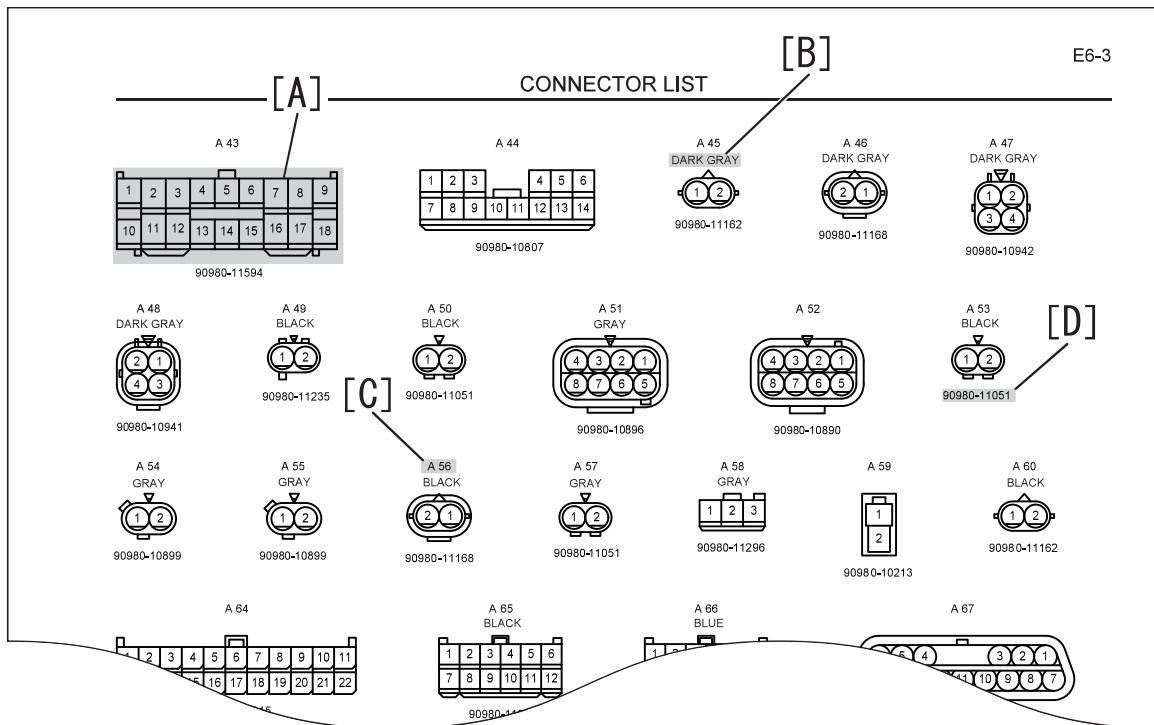
| FUSE | SYSTEM | Page          |       |
|------|--------|---------------|-------|
| 100A | GLOW   | GLOW          | E3-76 |
|      |        | INTAKE HEATER | E3-84 |
| 120A | ALT    | CHARGING      | E3-96 |

**ENGINE ROOM R/B**

| FUSE | SYSTEM  | Page                  |        |
|------|---------|-----------------------|--------|
| 7.5A | ACC-B   | OPS SYSTEM            | E3-250 |
|      |         | SAS/OPS SYSTEM        | E3-258 |
| 7.5A | ALT-S   | CHARGING              | E3-194 |
| 7.5A | ECU-B   | SAS/OPS SYSTEM        | E3-234 |
| 10A  | BACK LP | BACK UP LAMP BUZZER   | E3-220 |
|      |         | REAR WORKING LAMP     | E3-204 |
|      |         | STROBE LIGHT          | E3-182 |
|      |         | GLOW                  | E3-162 |
|      |         | INTAKE HEATER         | E3-166 |
|      |         | ENGINE CONTROL (4Y-E) | E3-170 |
|      |         | FUEL                  | E3-278 |

## Chapter 6 CONNECTOR LIST

### CONNECTOR LIST



#### [A] Connector shape and terminal number

Indicates the connector shape on the wire harness side, which is connected to a part.

Numbers indicate terminal numbers that are used in the circuit diagrams.

#### [B] Connector color

Indicates a connector color.

#### [C] Part connector

Indicates a connector number connected to a part.

The code is the same as that used in the electrical wiring routing.

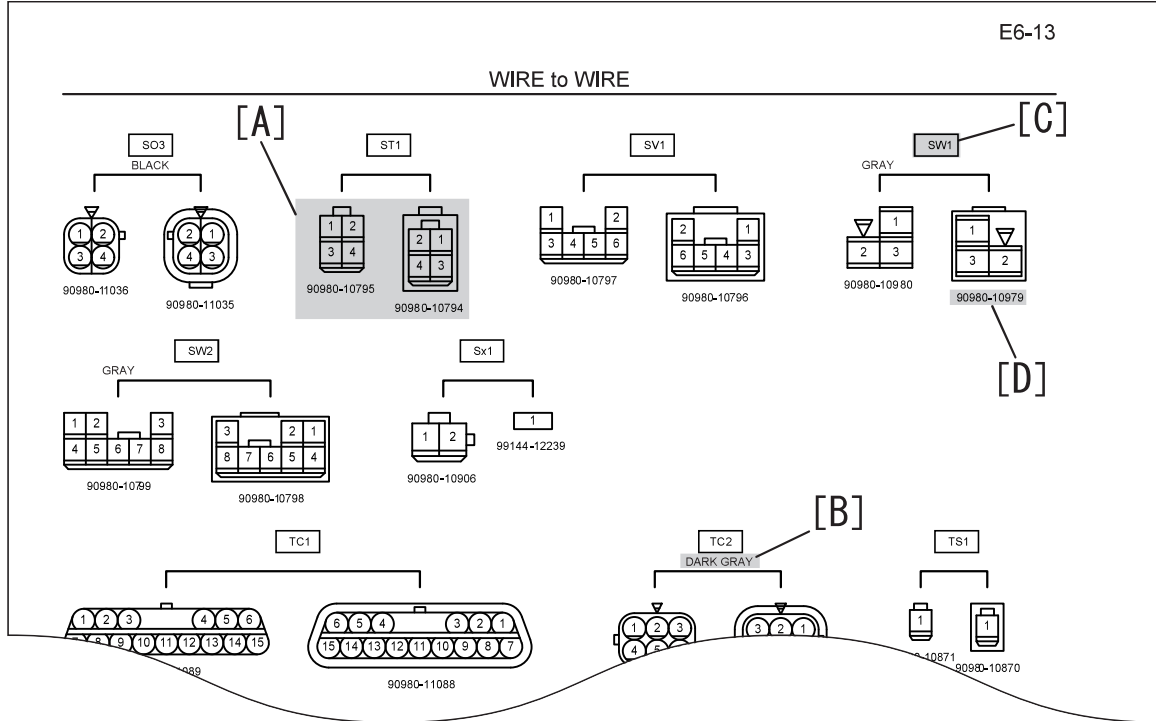
#### [D] Connector part number

Indicates the part number of a connector.



## INTRODUCTION

## HARNESS TO HARNESS CONNECTOR

**[A] Connector shape and terminal number**

Indicates the connector shape that connects two wire harnesses.

On left: Female connector<sup>\*1</sup> shape (This example indicates a connector for the G wire)

On right: Male connector<sup>\*2</sup> shape (This example indicates a connector for the K wire)

\*1: A female connector has a female terminal.

\*2: A male connector has a male terminal.

**B] Connector color**

Indicates a connector color.

**[C] Harness to harness connector**

Indicates a connector code that connects two wire harnesses

The code is the same as that used in the electrical wiring routing and wiring diagram.

**[D] Connector part number**

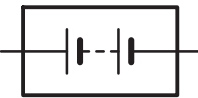

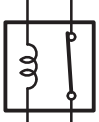



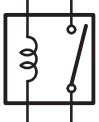



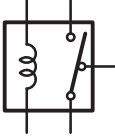
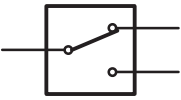


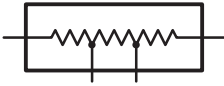
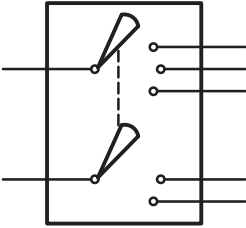



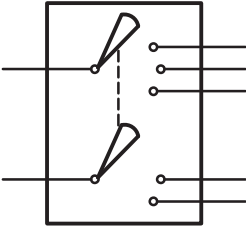







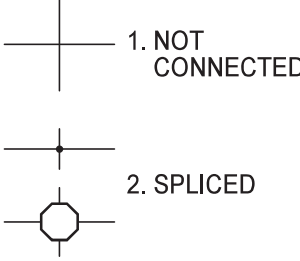



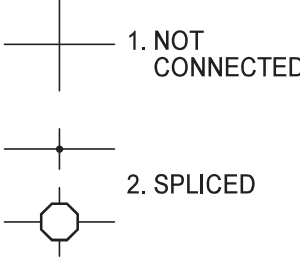




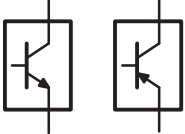
Indicates the part number of a connector

## ABBREVIATIONS

The following abbreviations are used in this section.

| Abbreviations | Explanation                     |
|---------------|---------------------------------|
| ASC           | Auto Speed Control              |
| ASSY          | Assembly                        |
| CNG           | Compressed Natural Gas          |
| DPF           | Diesel Particulate Filter       |
| ECU           | Electronic Control Unit         |
| FR            | Front                           |
| J/B           | Junction Block                  |
| LH            | Left-Hand                       |
| LPG           | Liquefied Petroleum Gas         |
| M/T           | Manual Transmission             |
| OPS           | Operator Presence Sensing       |
| PS            | Power Steering                  |
| R/B           | Relay Block                     |
| RH            | Right-Hand                      |
| RR            | Rear                            |
| SAS           | System of Active Stability      |
| SOL           | Solenoid                        |
| SPEC.         | Specification                   |
| T/C           | Torque Converter & Transmission |
| W/            | With                            |
| W/O           | Without                         |

GLOSSARY OF TERMS AND SYMBOLS

|   |   |  |  |
|---|---|--|--|
| <p>BATTERY</p>                       | <p>GROUND</p>                                | <p>RELAY</p>  <p>1. NORMALLY CLOSED</p> | <p>SWITCH, MANUAL</p>  <p>1. NORMALLY OPEN</p>            |
| <p>CAPACITOR (Condenser)</p>         | <p>HEADLIGHTS</p>  <p>1. SINGLE FILAMENT</p> |  <p>2. NORMALLY OPEN</p>                |  <p>2. NORMALLY CLOSED</p>                                |
| <p>CIGARETTE LIGHTER</p>             |  <p>2. DOUBLE FILAMENT</p>                   | <p>RELAY, DOUBLE THROW</p>             | <p>SWITCH, DOUBLE THROW</p>                               |
| <p>DIODE</p>                         | <p>HORN</p>                                  | <p>RESISTOR, TAPPED</p>                | <p>SWITCH, IGNITION</p>                                  |
| <p>DIODE, ZENER</p>                 | <p>LIGHT</p>                                | <p>SENSOR (Termistor)</p>             |    |
| <p>LED (Light Emitting Diode)</p>  | <p>METER, ANALOG</p>                       | <p>SENSOR</p>                        | <p>SWITCH, WIPER PARK</p>                               |
| <p>PHOTODIODE</p>                  | <p>METER, DIGITAL</p>                      | <p>SHORT PIN</p>                     | <p>WIRES</p>  <p>1. NOT CONNECTED</p> <p>2. SPLICED</p> |
| <p>MOTOR</p>                       | <p>RESISTOR</p>                            | <p>FUSE</p>                          | <p>WIRES</p>  <p>1. NOT CONNECTED</p> <p>2. SPLICED</p> |
| <p>SPEAKER</p>                     | <p>RESISTOR, VARIABLE or RHEOSTAT</p>      | <p>SOLENOID</p>                      | <p>HIGH-TENSION WIRE</p>                                |
| <p>TRANSISTOR</p>                  |   |  |  |



# CHAPTER 2 ELECTRICAL WIRING ROUTINGS AND RELAY LOCATIONS

**E2**

## ELECTRICAL WIRING ROUTINGS

|                          |       |
|--------------------------|-------|
| ENGINE ROOM (4Y-E) ..... | E2-2  |
| ENGINE ROOM (1DZ) .....  | E2-4  |
| INSTRUMENT PANEL .....   | E2-6  |
| FRONT BODY .....         | E2-8  |
| MAST AREA .....          | E2-10 |
| REAR BODY (NO.1) .....   | E2-12 |
| REAR BODY (NO.2) .....   | E2-14 |

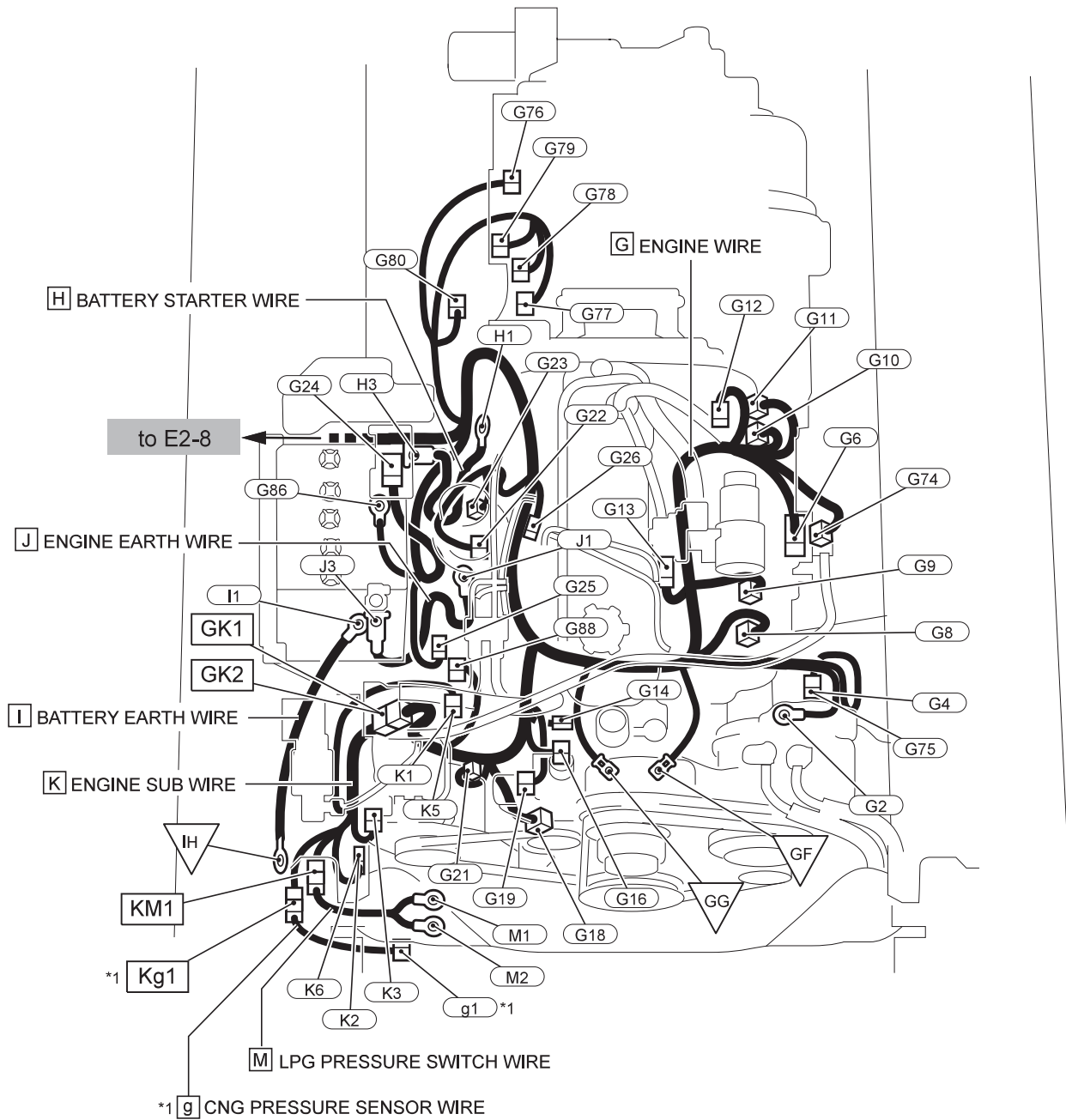
## RELAY LOCATIONS

|  |       |
|--|-------|
| JUNCTION BLOCK (J/B) / RELAY BLOCK (R/B) ..... | E2-16 |
|--|-------|

| SYMBOLS | WIRE NAME                | SYMBOLS | WIRE NAME                |
|---------|--------------------------|---------|--------------------------|
| A       | BODY MAIN WIRE           | T       | RR UPR SUB RH WIRE       |
| B       | BODY SUB NO.1 WIRE       | U       | HEAD GUARD SW WIRE       |
| C       | SIDE RH WIRE             | X       | HOOD MAIN WIRE           |
| D       | T/C HEAT GAUGE WIRE      | Y       | HOOD SUB NO.1 WIRE       |
| G       | ENGINE WIRE              | Z       | RR LWR WIRE              |
| H       | BATTERY STARTER WIRE     | a       | SUB ACCEL WIRE           |
| I       | BATTERY EARTH WIRE       | b       | MAST SENSOR WIRE         |
| J       | ENGINE EARTH WIRE        | d       | FR STAY WIRE LH          |
| K       | ENGINE SUB WIRE          | g       | CNG PRESSURE SENSOR WIRE |
| M       | LPG PRESSURE SWITCH WIRE | h       | WIPER SUB WIRE           |
| O       | SIDE LH WIRE             | i       | DIGITAL METER WIRE       |
| Q       | INSTRUMENT PANEL WIRE    | j       | INSTRUMENT PANEL SW WIRE |
| R       | FR STAY WIRE RH          | k       | EZ PEDAL LIMIT SW WIRE   |
| S       | RR UPR MAIN WIRE         | m       | INSTRUMENT PANEL WIRE    |

## ENGINE ROOM(4Y-E)

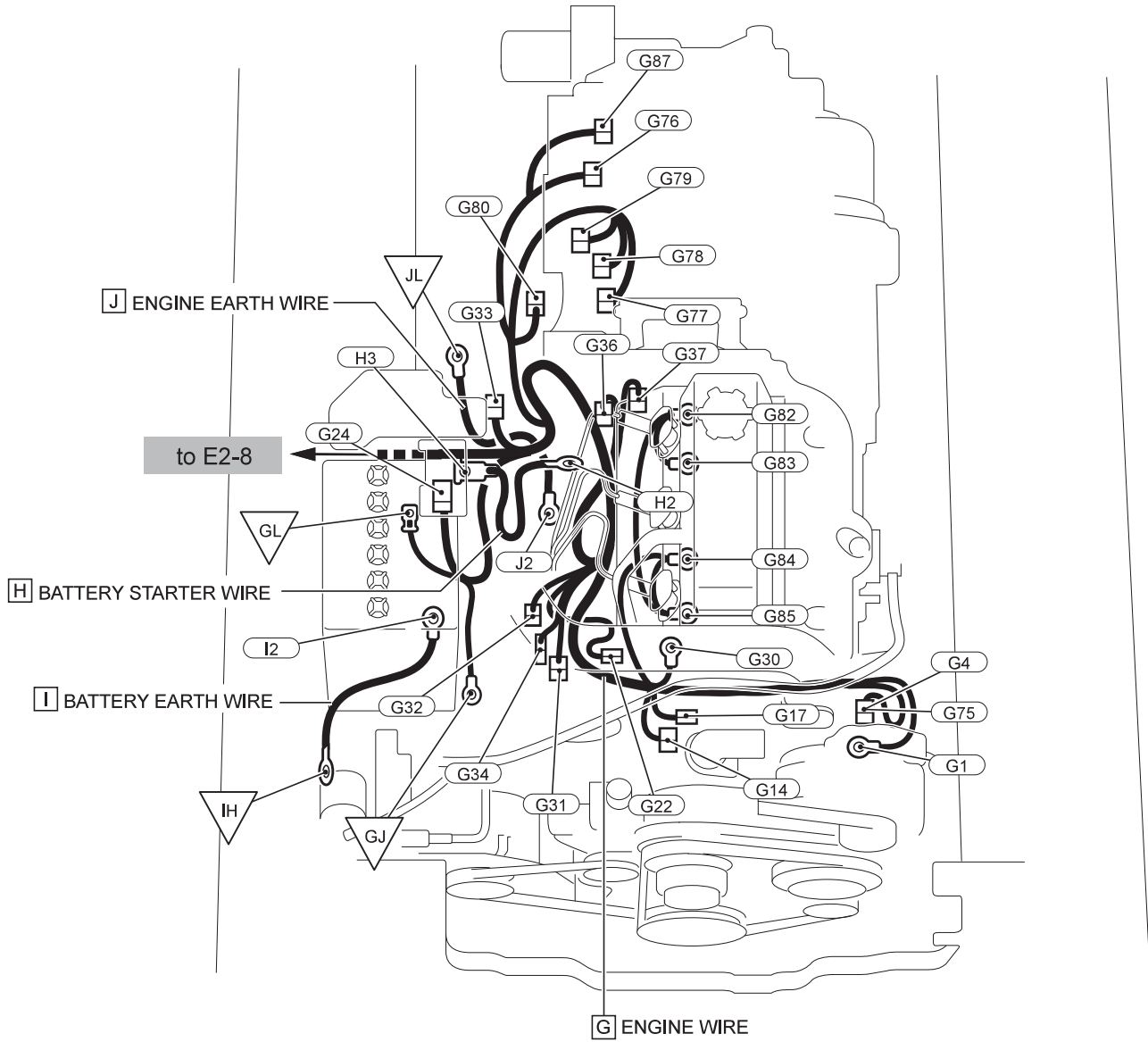
\*1:BEFORE JUN. 2009



## ELECTRICAL WIRING ROUTINGS

































|       |                                      |       |   |
|-------|--------------------------------------|-------|---|
| (G2)  | ALTERNATOR                           | (GK1) | } ENGINE WIRE to ENGINE SUB WIRE            |
| (G4)  | ALTERNATOR                           | (GK2) |   |
| (G6)  | THROTTLE POSITION SENSOR(WITH MOTOR) | (KM1) | ENGINE SUB WIRE to LPG PRESSURE SWITCH WIRE |
| (G8)  | INJECTOR NO.1                        | (Kg1) | ENGINE SUB WIRE to CNG PRESSURE SENSOR WIRE |
| (G9)  | INJECTOR NO.2                        |       |   |
| (G10) | INJECTOR NO.3                        |       |   |
| (G11) | INJECTOR NO.4                        | (GF)  | ENGINE UPPER EARTH                          |
| (G12) | VACUUM SENSOR                        | (GG)  | ENGINE UPPER EARTH                          |
| (G13) | FCM STEP MOTOR                       | (IH)  | REAR PILLAR LEFT UNDER EARTH                |
| (G14) | WATER TEMPERATURE SENDER             |       |   |
| (G16) | WATER TEMPERATURE SENSOR             |       |   |
| (G18) | G2 SENSOR                            |       |   |
| (G19) | DISTRIBUTOR                          |       |   |
| (G21) | IGNITION COIL                        |       |   |
| (G22) | OIL PRESSURE SWITCH                  |       |   |
| (G23) | STARTER                              |       |   |
| (G24) | FUSIBLE LINK BLOCK ASSY              |       |   |
| (G25) | IGNITER                              |       |   |
| (G26) | TACHO CHECK                          |       |   |
| (G74) | LPG INJECTOR                         |       |   |
| (G75) | ALTERNATOR                           |       |   |
| (G76) | FUSIBLE LINK BLOCK-1                 |       |   |
| (G77) | DISCONNECT SWITCH(BATT)              |       |   |
| (G78) | DISCONNECT SWITCH(ALT)               |       |   |
| (G79) | DISCONNECT SWITCH(ALT)               |       |   |
| (G80) | DISCONNECT SWITCH(BATT)              |       |   |
| (G86) | BATTERY                              |       |   |
| (G88) | GASOLINE/LPG SWITCH                  |       |   |
| (H1)  | STARTER                              |       |   |
| (H3)  | BATTERY                              |       |   |
| (I1)  | BATTERY                              |       |   |
| (J1)  | STARTER                              |       |   |
| (J3)  | BATTERY                              |       |   |
| (K1)  | LPG SOLENOID(SLOW)                   |       |   |
| (K2)  | LPG RESISTOR                         |       |   |
| (K3)  | LPG SOLENOID(MAIN)                   |       |   |
| (K5)  | CNG SOLENOID                         |       |   |
| (K6)  | CNG RESISTOR                         |       |   |
| (M1)  | LPG PRESSURE SWITCH                  |       |   |
| (M2)  | LPG PRESSURE SWITCH                  |       |   |
| (g1)  | CNG PRESSURE SENSOR                  |       |   |

ENGINE ROOM(1DZ)





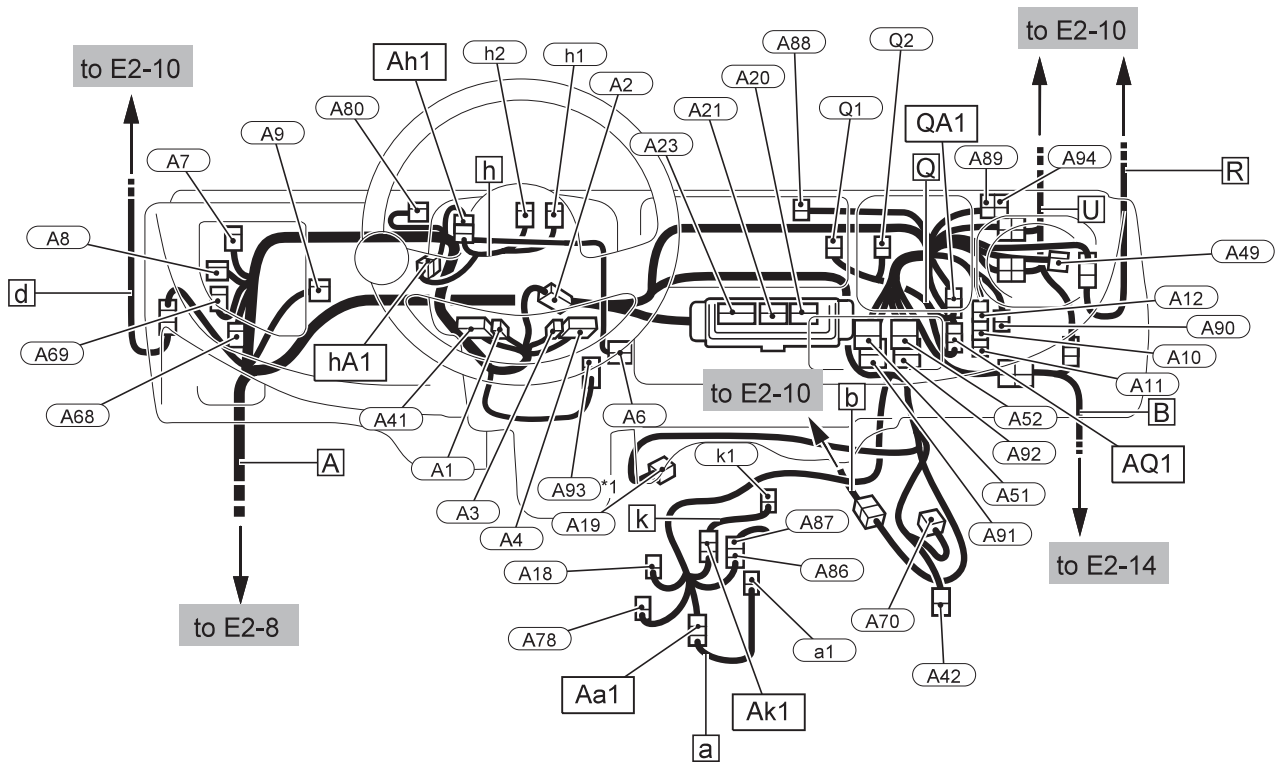
## ELECTRICAL WIRING ROUTINGS

|   |                                      |
|---|--------------------------------------|
|    | ALTERNATOR                           |
|    | ALTERNATOR                           |
|    | WATER TEMPERATURE SENDER             |
|    | WATER TEMPERATURE SENSOR             |
|    | OIL PRESSURE SWITCH                  |
|    | FUSIBLE LINK BLOCK ASSY              |
|    | GLOW PLUG                            |
|    | INJECTOR PUMP                        |
|    | STARTER                              |
|    | GLOW PLUG RELAY                      |
|    | FUEL CUT SOLENOID                    |
|    | OPEN CLOSE SWITCH                    |
|    | STEP MOTOR                           |
|    | ALTERNATOR                           |
|    | FUSIBLE LINK BLOCK-1                 |
|    | DISCONNECT SWITCH(BATT)              |
|    | DISCONNECT SWITCH(ALT)               |
|    | DISCONNECT SWITCH(ALT)               |
|    | DISCONNECT SWITCH(BATT)              |
|    | GLOW PLUG NO.1                       |
|    | GLOW PLUG NO.2                       |
|    | GLOW PLUG NO.3                       |
|    | GLOW PLUG NO.4                       |
|   | FUSIBLE LINK BLOCK-2                 |
|  | STARTER                              |
|  | BATTERY                              |
|  | BATTERY                              |
|  | STARTER                              |
|  | JUNCTION BLOCK IN FRONT INSIDE EARTH |
|  | JUNCTION BLOCK IN FRONT INSIDE EARTH |
|  | REAR PILLAR LEFT UNDER EARTH         |
|  | FRONT PLATE LEFT INSIDE EARTH        |

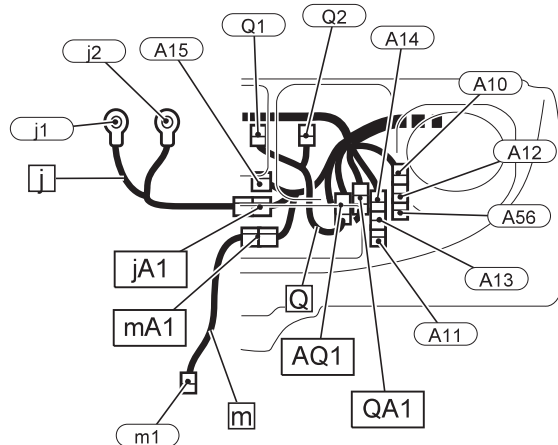
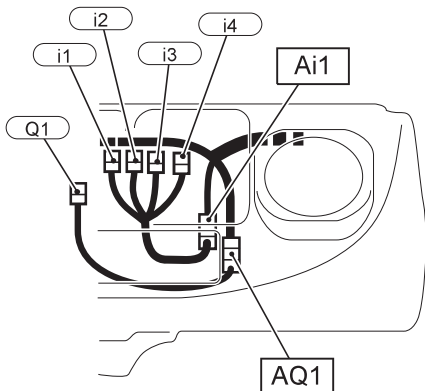
INSTRUMENT PANEL

- |                                |                             |                                   |
|--------------------------------|-----------------------------|-----------------------------------|
| <b>A</b> BODY MAIN WIRE        | <b>R</b> FR STAY WIRE RH    | <b>b</b> MAST SENSOR WIRE         |
| <b>B</b> BODY SUB NO.1 WIRE    | <b>U</b> HEAD GUARD SW WIRE | <b>d</b> FR STAY WIRE LH          |
| <b>Q</b> INSTRUMENT PANEL WIRE | <b>a</b> SUB ACCEL WIRE     | <b>h</b> WIPER SUB WIRE           |
|                                |                             | <b>i</b> DIGITAL METER WIRE       |
|                                |                             | <b>j</b> INSTRUMENT PANEL SW WIRE |
|                                |                             | <b>m</b> INSTRUMENT PANEL WIRE    |
|                                |                             | <b>k</b> EZ PEDAL LIMIT SW WIRE   |

\*1:FROM JUN. 2009



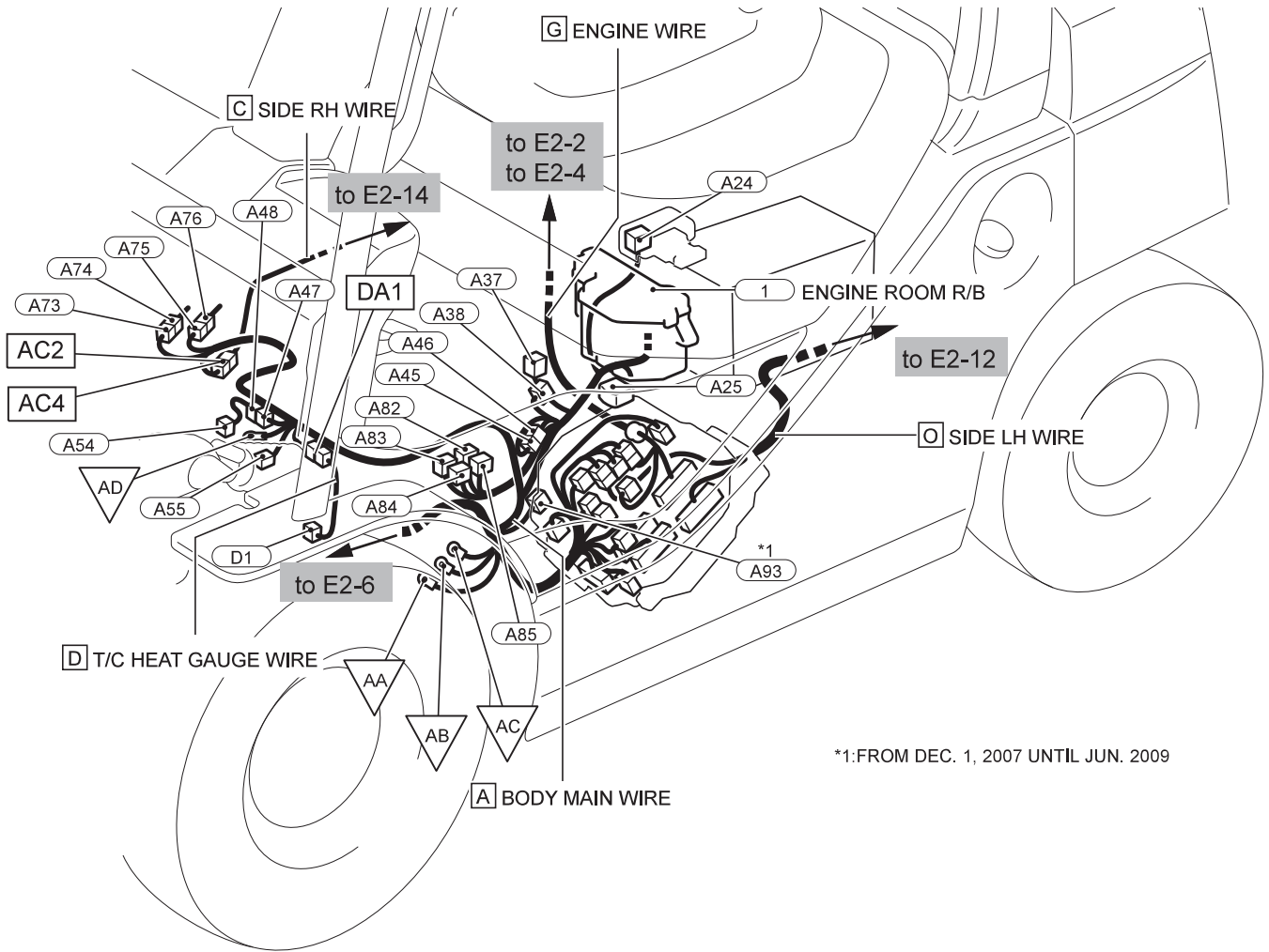
[W/ CNG DIGITAL METER]



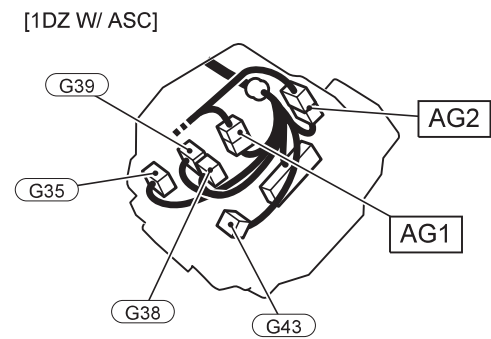
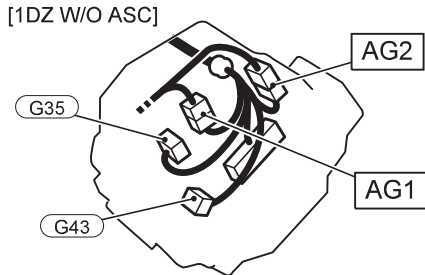
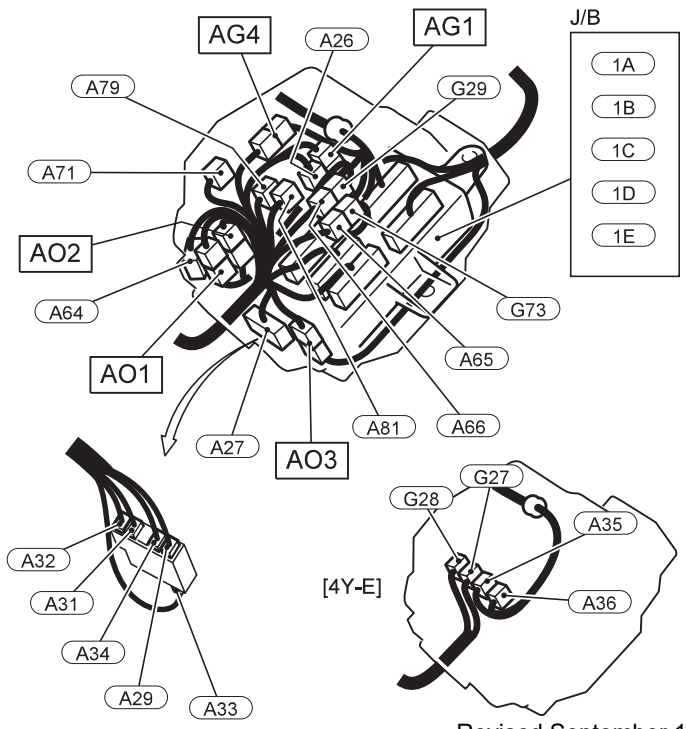
## ELECTRICAL WIRING ROUTINGS

|     |                                 |     |  |
|-----|---------------------------------|-----|--|
| A1  | HORN SWITCH                     | AQ1 | BODY MAIN WIRE to INSTRUMENT PANEL WIRE    |
| A2  | IGNITION SWITCH                 | Aa1 | BODY MAIN WIRE to SUB ACCEL WIRE           |
| A3  | STEERING SENSOR                 | Ah1 | BODY MAIN WIRE to WIPER SUB WIRE           |
| A4  | LIGHT CONTROL SWITCH            | Ai1 | BODY MAIN WIRE to DIGITAL METER WIRE       |
| A6  | STOP LAMP SWITCH                | Ak1 | BODY MAIN WIRE to EZ PEDAL LIMIT SW WIRE   |
| A7  | BRAKE WARNING SWITCH            | mA1 | INSTRUMENT PANEL WIRE to BODY MAIN WIRE    |
| A8  | OPS WARNING BUZZER              | QA1 | INSTRUMENT PANEL WIRE to BODY MAIN WIRE    |
| A9  | PARKING BRAKE SWITCH            | hA1 | WIPER SUB WIRE to BODY MAIN WIRE           |
| A10 | TILT SOLENOID                   | JA1 | INSTRUMENT PANEL SW WIRE to BODY MAIN WIRE |
| A11 | LIFT SOLENOID                   |     |  |
| A12 | UNLOAD SOLENOID                 |     |  |
| A13 | TILT SWITCH                     |     |  |
| A14 | LIFT SWITCH                     |     |  |
| A15 | NEUTRAL TILT SWITCH             |     |  |
| A18 | PRESSURE SENSOR                 |     |  |
| A19 | SPEED SENSOR                    |     |  |
| A20 | SAS/OPS ECU                     |     |  |
| A21 | SAS/OPS ECU                     |     |  |
| A23 | MINI LEVER ECU                  |     |  |
| A41 | LEFT T/C SHIFT SWITCH           |     |  |
| A42 | TILT ANGLE SENSOR               |     |  |
| A49 | HORN                            |     |  |
| A51 | CONTROL VALVE PUSH SOLENOID     |     |  |
| A52 | CONTROL VALVE PULL SOLENOID     |     |  |
| A56 | BACK TILT SOLENOID              |     |  |
| A68 | WET BRAKE BUZZER                |     |  |
| A69 | WET BRAKE LAMP                  |     |  |
| A70 | PRESSURE SWITCH                 |     |  |
| A78 | EZ PEDAL DIRECTION SWITCH       |     |  |
| A80 | PARKING WARNING LAMP            |     |  |
| A86 | SHORT CONNECTOR                 |     |  |
| A87 | SHORT CONNECTOR                 |     |  |
| A88 | LPG WARNING SWITCH              |     |  |
| A89 | KEY OFF LAMP RELAY              |     |  |
| A90 | ATTACHMENT 3 SOLENOID           |     |  |
| A91 | CONTROL VALVE SELECT RELAY NO.1 |     |  |
| A92 | CONTROL VALVE SELECT RELAY NO.2 |     |  |
| A93 | STEERING SOLENOID               |     |  |
| A94 | SHORT CONNECTOR                 |     |  |
| Q1  | COMBINATION METER               |     |  |
| Q2  | DISPLAY                         |     |  |
| a1  | ACCEL SENSOR                    |     |  |
| h1  | FRONT WIPER RELAY               |     |  |
| h2  | FRONT WIPER MOTOR               |     |  |
| i1  | CNG DIGITAL METER               |     |  |
| i2  | CNG DIGITAL METER               |     |  |
| i3  | CNG DIGITAL METER               |     |  |
| i4  | CNG DIGITAL METER               |     |  |
| j1  | INPANE SWITCH(+)                |     |  |
| j2  | INPANE SWITCH(-)                |     |  |
| k1  | ACCEL SWITCH                    |     |  |
| m1  | 12V POWER SUPPLY                |     |  |

FRONT BODY



\*1: FROM DEC. 1, 2007 UNTIL JUN. 2009



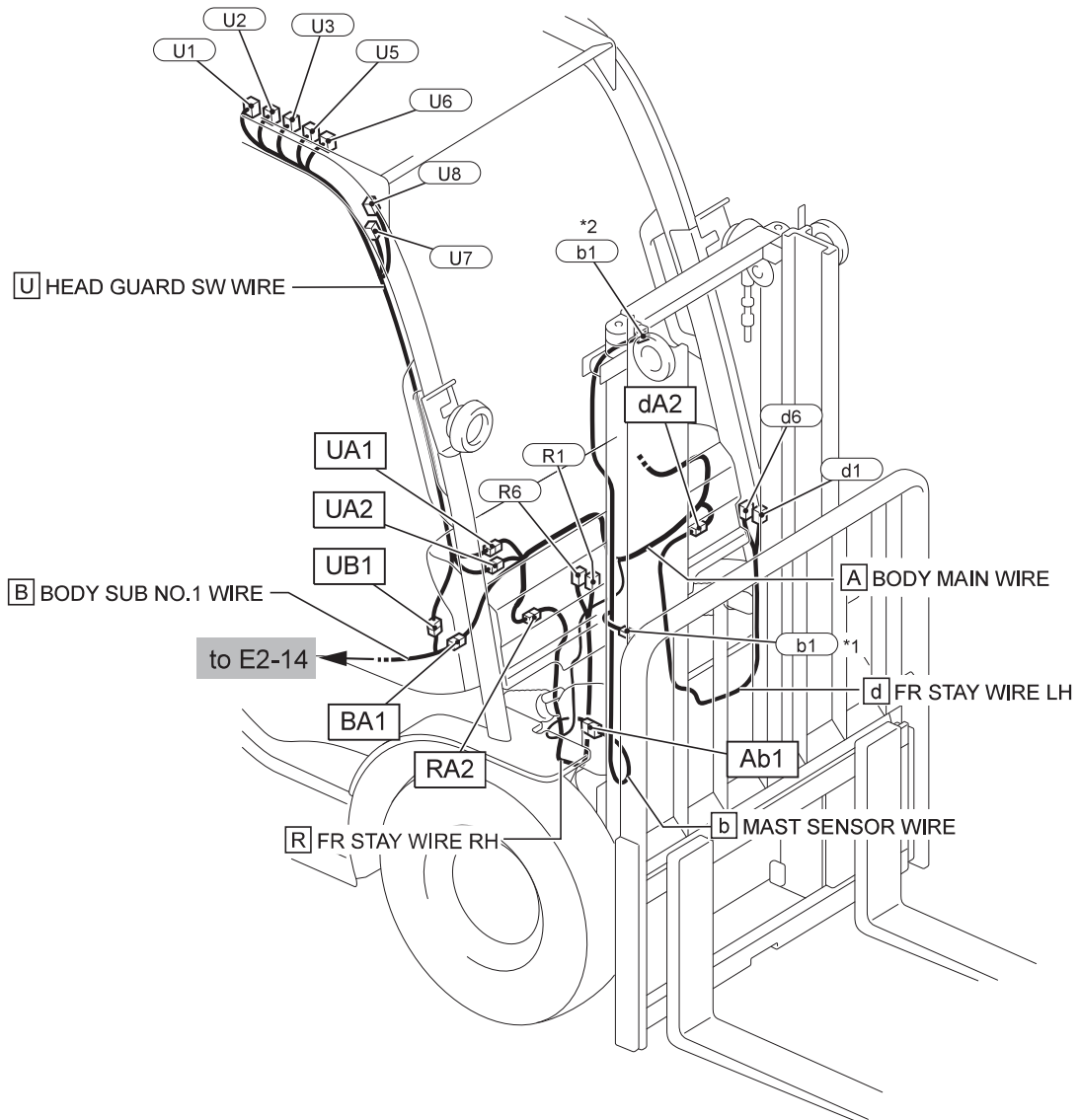
## ELECTRICAL WIRING ROUTINGS

|       |                            |       |                                       |
|-------|----------------------------|-------|---------------------------------------|
| (A24) | FUSIBLE LINK BLOCK ASSY    | (1A)  | } BODY MAIN WIRE to J/B               |
| (A25) | DIAGNOSIS                  | (1B)  |                                       |
| (A26) | DIODE                      | (1C)  |                                       |
| (A27) | JUNCTION CONNECTOR         | (1D)  | ENGINE WIRE to J/B                    |
| (A29) | CAN JOINT CONNECTOR        | (1E)  | SIDE LH WIRE to J/B                   |
| (A31) | CAN JOINT CONNECTOR        |       |                                       |
| (A32) | CAN JOINT CONNECTOR        |       |                                       |
| (A33) | CAN JOINT CONNECTOR        | (AC2) | } BODY MAIN WIRE to SIDE RH WIRE      |
| (A34) | CAN JOINT CONNECTOR        | (AC4) |                                       |
| (A35) | ENGINE ECU                 | (AG1) | } BODY MAIN WIRE to ENGINE WIRE       |
| (A36) | ENGINE ECU                 | (AG2) |                                       |
| (A37) | LPG WARNING RELAY          | (AG4) |                                       |
| (A38) | LPG WARNING BUZZER         | (AO1) | } BODY MAIN WIRE to SIDE LH WIRE      |
| (A45) | MATCHING CONNECTOR         | (AO2) |                                       |
| (A46) | MATCHING CONNECTOR         | (AO3) |                                       |
| (A47) | SHIFT SOLENOID2            | (DA1) | T/C HEAT GAUGE WIRE to BODY MAIN WIRE |
| (A48) | SHIFT SOLENOID2            |       |                                       |
| (A54) | SHIFT SOLENOID1            |       |                                       |
| (A55) | SHIFT SOLENOID1            |       |                                       |
| (A64) | JUNCTION CONNECTOR(J)      | (AA)  | FRONT PLATE LEFT OUTSIDE EARTH        |
| (A65) | JUNCTION CONNECTOR(A)      | (AB)  | FRONT PLATE LEFT OUTSIDE EARTH        |
| (A66) | JUNCTION CONNECTOR(B)      | (AC)  | FRONT PLATE LEFT OUTSIDE EARTH        |
| (A71) | DIODE(WET BRAKE)           | (AD)  | TRANSMISSION UPPER EARTH              |
| (A73) | T/C INTERLOCK RELAY(FR)    |       |                                       |
| (A74) | SHORT CONNECTOR(FR)        |       |                                       |
| (A75) | T/C INTERLOCK RELAY(RR)    |       |                                       |
| (A76) | SHORT CONNECTOR(RR)        |       |                                       |
| (A79) | BUZZER DIODE               |       |                                       |
| (A81) | PARKING LAMP DIODE         |       |                                       |
| (A82) | FRONT SOLENOID RELAY       |       |                                       |
| (A83) | REAR SOLENOID RELAY        |       |                                       |
| (A84) | EZ PEDAL MAIN RELAY        |       |                                       |
| (A85) | NEUTRAL START RELAY        |       |                                       |
| (A93) | STEERING SOLENOID          |       |                                       |
| (D1)  | T/C OIL TEMPERATURE SENSOR |       |                                       |
| (G27) | ENGINE ECU                 |       |                                       |
| (G28) | ENGINE ECU                 |       |                                       |
| (G29) | JUNCTION CONNECTOR(B)      |       |                                       |
| (G35) | GLOW PLUG TIMER            |       |                                       |
| (G38) | ASC ECU                    |       |                                       |
| (G39) | ASC ECU                    |       |                                       |
| (G43) | JUNCTION CONNECTOR(E)      |       |                                       |
| (G73) | JUNCTION CONNECTOR(A)      |       |                                       |

## MAST AREA

\*1:V MAST

\*2:FSV MAST



ELECTRICAL WIRING ROUTINGS

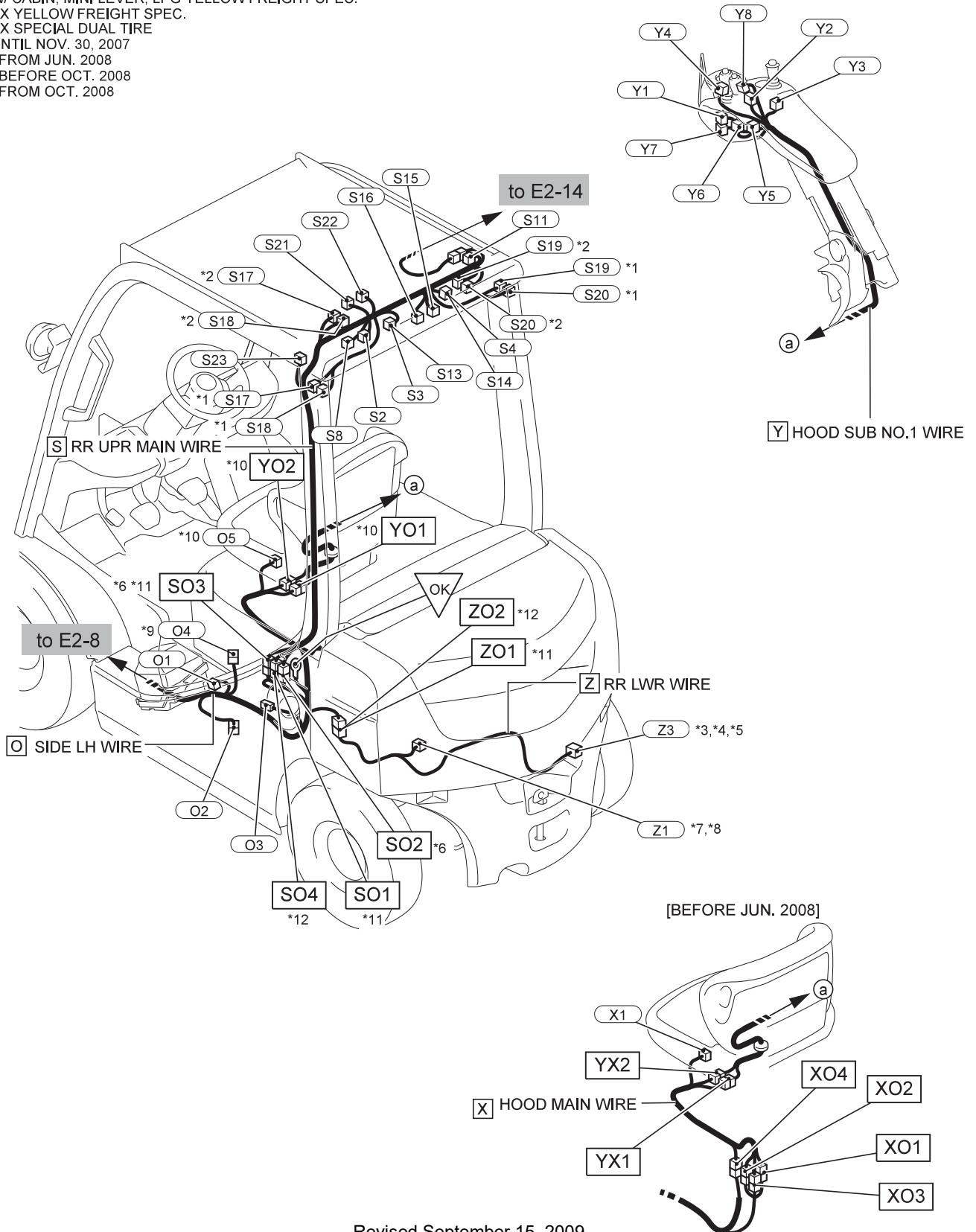
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|    |                              |
|----|------------------------------|
| R1 | FRONT COMBINATION LAMP RIGHT |
| R6 | HEAD LAMP RIGHT              |
| U1 | HEATER SWITCH                |
| U2 | FRONT WIPER SWITCH           |
| U3 | REAR WIPER SWITCH            |
| U5 | LPG WARNING SWITCH           |
| U6 | FAN SWITCH                   |
| U7 | FAN MOTOR(B)                 |
| U8 | FAN MOTOR(E)                 |
| b1 | MAST SWITCH                  |
| d1 | FRONT COMBINATION LAMP LEFT  |
| d6 | HEAD LAMP LEFT               |

|     |  |
|-----|--|
| Ab1 | BODY MAIN WIRE to MAST SENSOR WIRE       |
| BA1 | BODY SUB NO.1 WIRE to BODY MAIN WIRE     |
| RA2 | FR STAY WIRE RH to BODY MAIN WIRE        |
| UA1 | HEAD GUARD SW WIRE to BODY MAIN WIRE     |
| UA2 |  |
| UB1 | HEAD GUARD SW WIRE to BODY SUB NO.1 WIRE |
| dA2 | FR STAY WIRE LH to BODY MAIN WIRE        |

REAR BODY(NO.1)

- \*1:CABIN
- \*2:EXCEPT CABIN
- \*3:W/ SYNCHRONIZED STEERING
- \*4:SPEED CONTROL PACKAGE
- \*5:MINI LEVER W/ ARMREST & JOYSTICK LEVER
- \*6:W/ CABIN, MINI LEVER, LPG YELLOW FREIGHT SPEC.
- \*7:EX YELLOW FREIGHT SPEC.
- \*8:EX SPECIAL DUAL TIRE
- \*9:UNTIL NOV. 30, 2007
- \*10:FROM JUN. 2008
- \*11:BEFORE OCT. 2008
- \*12:FROM OCT. 2008





## ELECTRICAL WIRING ROUTINGS

|     |                                      |
|-----|--------------------------------------|
| O1  | YAW RATE SENSOR                      |
| O2  | FUEL SENDER GAUGE & FUEL PUMP        |
| O3  | SEDIMENTARY SWITCH                   |
| O4  | STEERING SOLENOID                    |
| O5  | SEAT SWITCH                          |
| S2  | REAR WIPER MOTOR                     |
| S3  | REAR COMBINATION LAMP LEFT           |
| S4  | REAR COMBINATION LAMP RIGHT          |
| S8  | REAR WIPER RELAY                     |
| S11 | REAR HORN SWITCH                     |
| S13 | LED REAR COMBINATION LAMP LEFT       |
| S14 | LED REAR COMBINATION LAMP RIGHT      |
| S15 | SMART ALARM(+)                       |
| S16 | SMART ALARM(-)                       |
| S17 | BEACON LAMP LEFT(B)                  |
| S18 | BEACON LAMP LEFT(E)                  |
| S19 | BEACON LAMP RIGHT(B)                 |
| S20 | BEACON LAMP RIGHT(E)                 |
| S21 | RESISTOR(STOP LAMP)                  |
| S22 | RESISTOR(TURN LAMP)                  |
| S23 | DIODE(LED REAR COMBINATION)          |
| X1  | SEAT SWITCH                          |
| Y1  | NEUTRAL TILT SWITCH                  |
| Y2  | ATTACHMENT LEVER1                    |
| Y3  | ATTACHMENT LEVER2                    |
| Y4  | T/C SHIFT SWITCH                     |
| Y5  | TILT LEVER                           |
| Y6  | LIFT LEVER                           |
| Y7  | LOAD INDICATOR SWITCH                |
| Y8  | CONTROL VALVE LEVER 3,4SELECT SWITCH |
| Z1  | SWING LOCK SOLENOID                  |
| Z3  | TIRE ANGLE SENSOR                    |

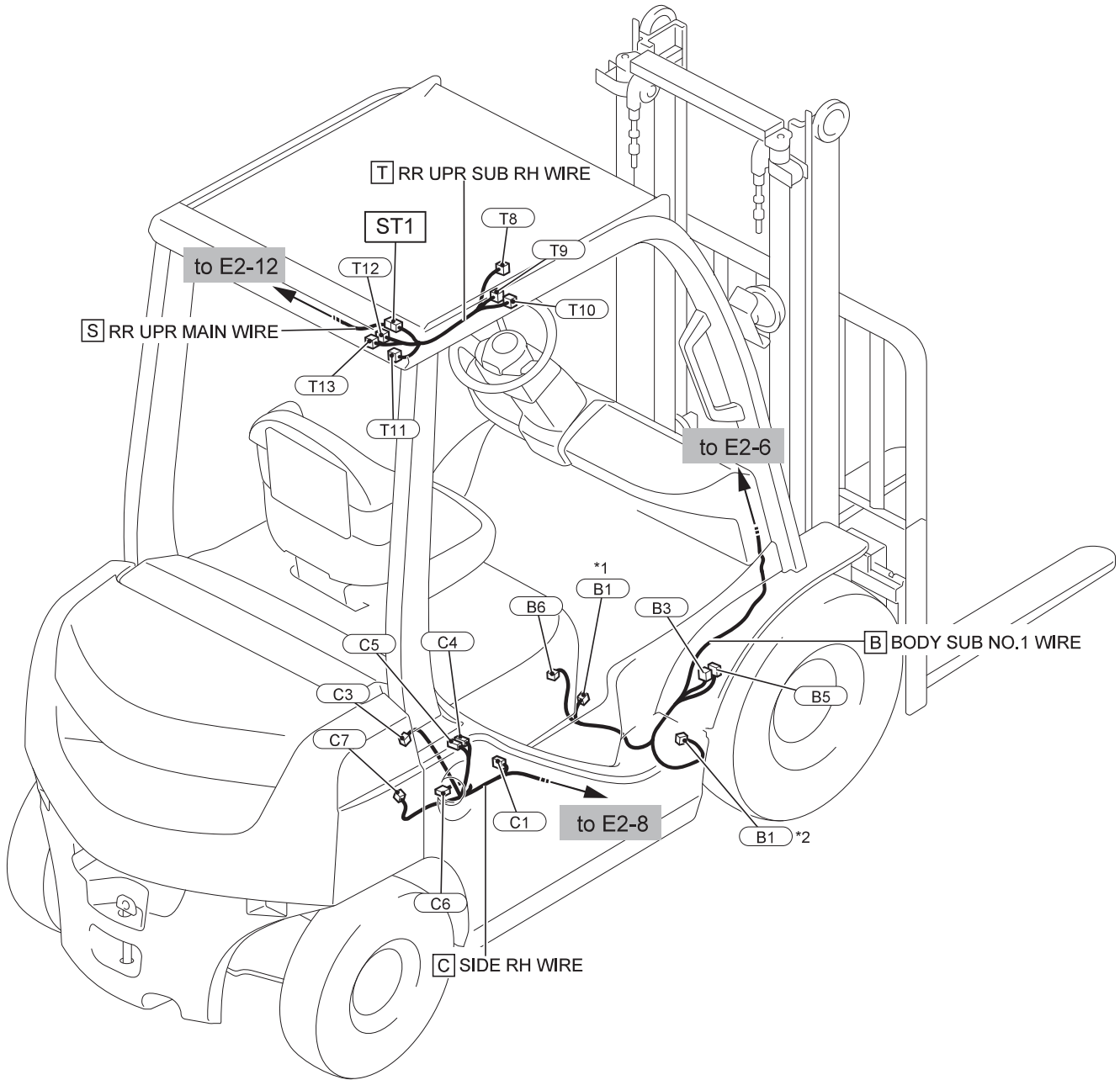
|     |                                      |
|-----|--------------------------------------|
| SO1 | RR UPR MAIN WIRE to SIDE LH WIRE     |
| SO2 |                                      |
| SO3 |                                      |
| SO4 |                                      |
| XO1 | HOOD MAIN WIRE to SIDE LH WIRE       |
| XO2 |                                      |
| XO3 |                                      |
| XO4 |                                      |
| YO1 | HOOD SUB NO.1 WIRE to SIDE LH WIRE   |
| YO2 |                                      |
| YX1 | HOOD SUB NO.1 WIRE to HOOD MAIN WIRE |
| YX2 |                                      |
| ZO1 | RR LWR WIRE to SIDE LH WIRE          |
| ZO2 |                                      |

OK REAR PILLAR LEFT UNDER EARTH

# REAR BODY(NO.2)

\*1:DX CABIN

\*2:W/ HEATER W/O DX CABIN



ELECTRICAL WIRING ROUTINGS

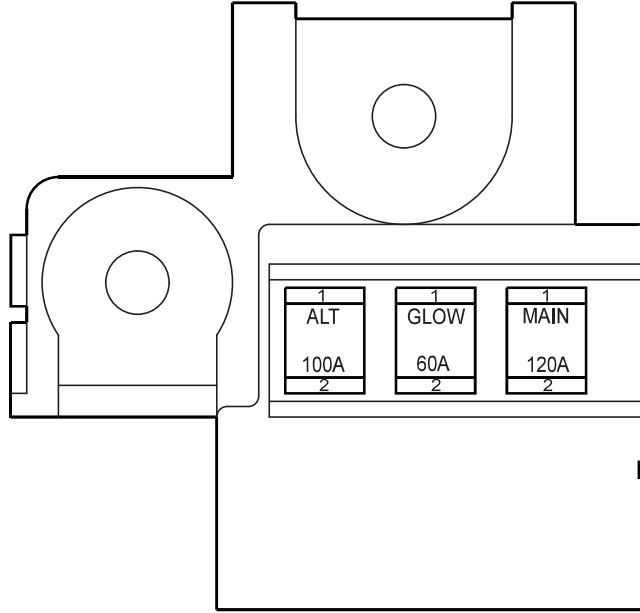
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|     |  |
|-----|--|
| B1  | FRONT WASHER MOTOR                     |
| B3  | HEATER BLOWER MOTOR                    |
| B5  | HEATER RELAY                           |
| B6  | REAR WASHER MOTOR                      |
| C1  | O2 SENSOR                              |
| C3  | IN AIR SENSOR                          |
| C4  | AIR CLEANER WARNING SWITCH             |
| C5  | AIR CLEANER WARNING SWITCH             |
| C6  | RADIATOR WARNING SWITCH                |
| C7  | BACK UP BUZZER                         |
| T8  | COMPARTMENT LAMP                       |
| T9  | COMPARTMENT LAMP SWITCH(+)             |
| T10 | COMPARTMENT LAMP SWITCH(-)             |
| T11 | WORK LAMP                              |
| T12 | WORK LAMP SWITCH(+)                    |
| T13 | WORK LAMP SWITCH(-)                    |
| ST1 | RR UPR MAIN WIRE to RR UPR SUB RH WIRE |

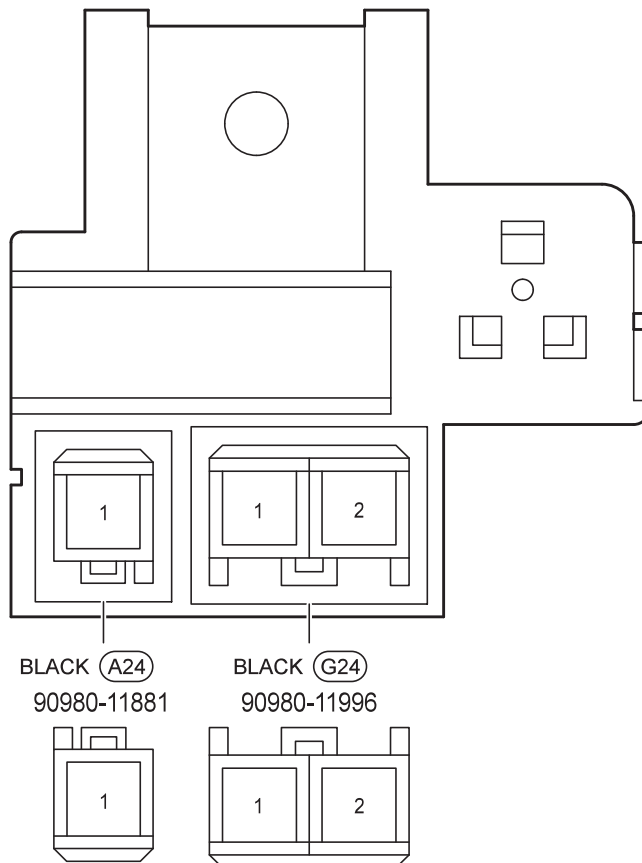
FUSIBLE LINK BLOCK ASSY (INNER CIRCUIT : SEE PAGE E2-22)

(EXCEPT UL-GS, UL-LPS AND UL-DS TYPE)

[FRONT]

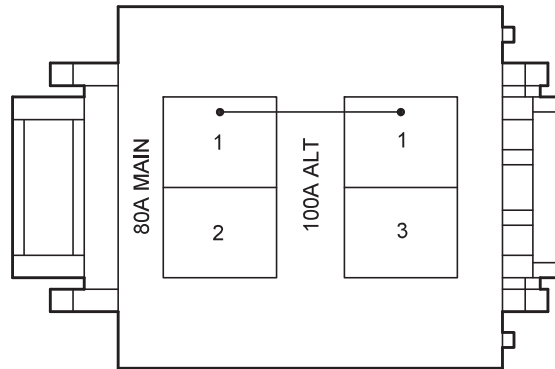


[REAR]



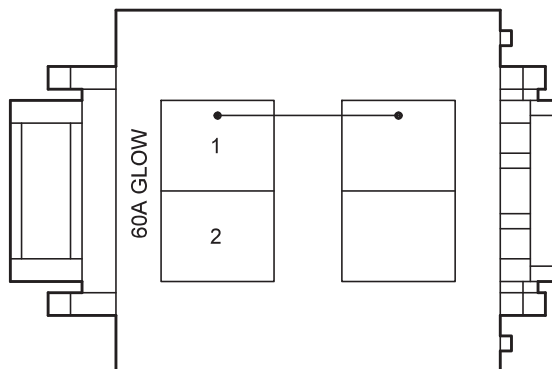
## FUSIBLE LINK BLOCK-1 : ENGINE ROOM LEFT

(UL-GS TYPE, UL-LPS TYPE, UL-DS TYPE)



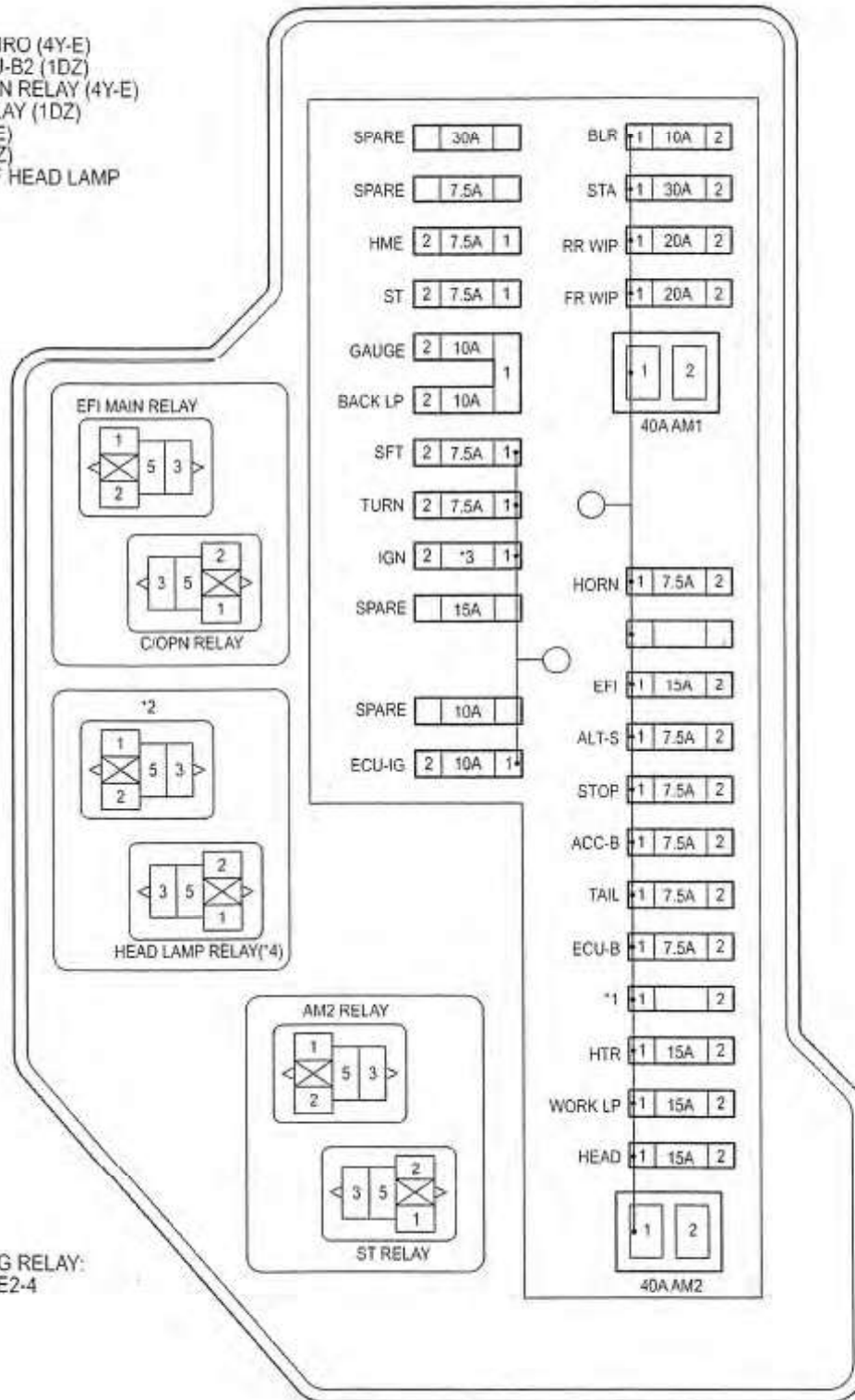
## FUSIBLE LINK BLOCK -2 : ENGINE ROOM LEFT

(UL-DS TYPE)



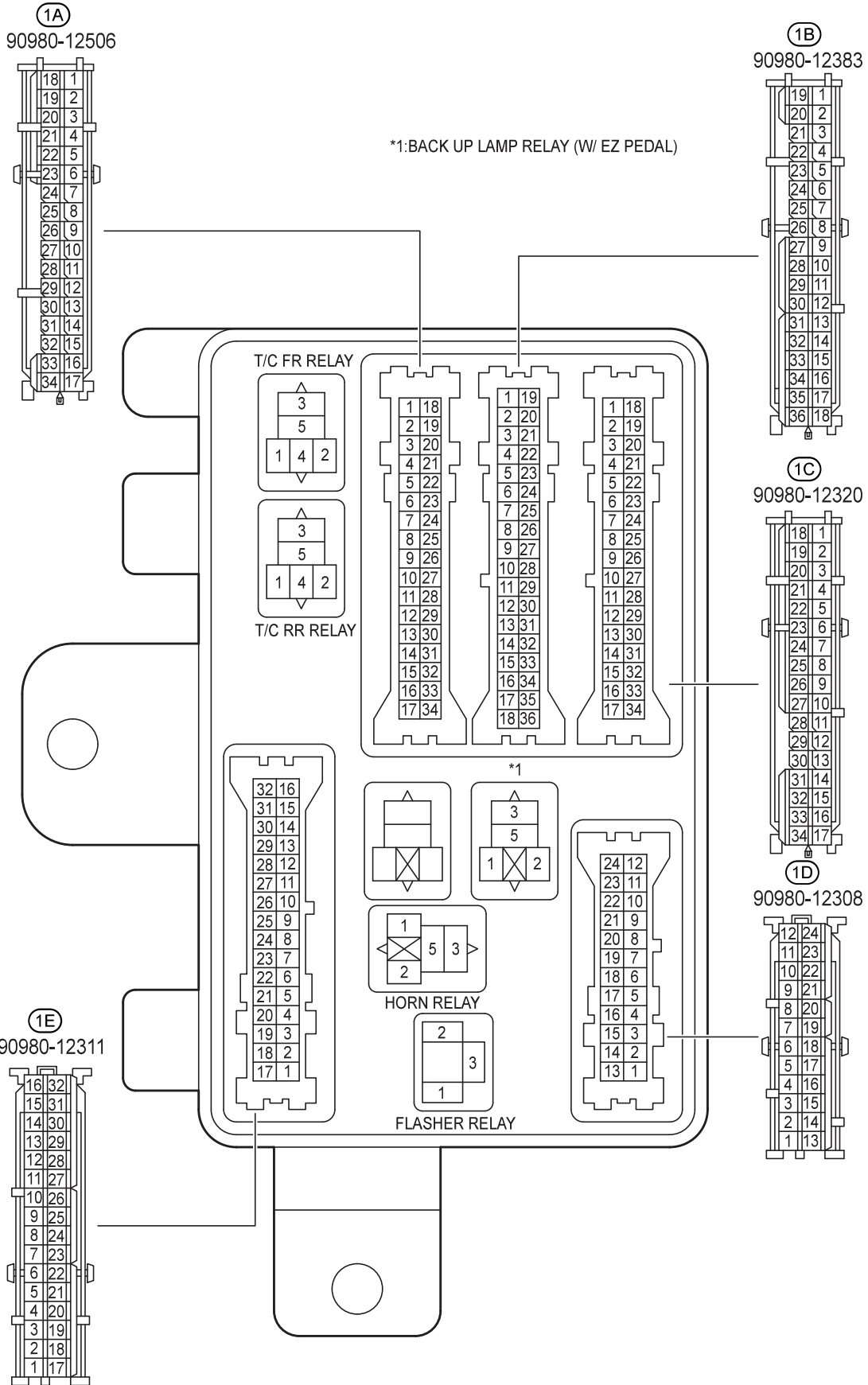
① ENGINE ROOM R/B : ENGINE ROOM LEFT

- \* 1:15A E-THRO (4Y-E)  
7.5A ECU-B2 (1DZ)
- \* 2:LPG MAIN RELAY (4Y-E)  
ASC RELAY (1DZ)
- \* 3:15A (4Y-E)  
7.5A (1DZ)
- \* 4:KEY OFF HEAD LAMP

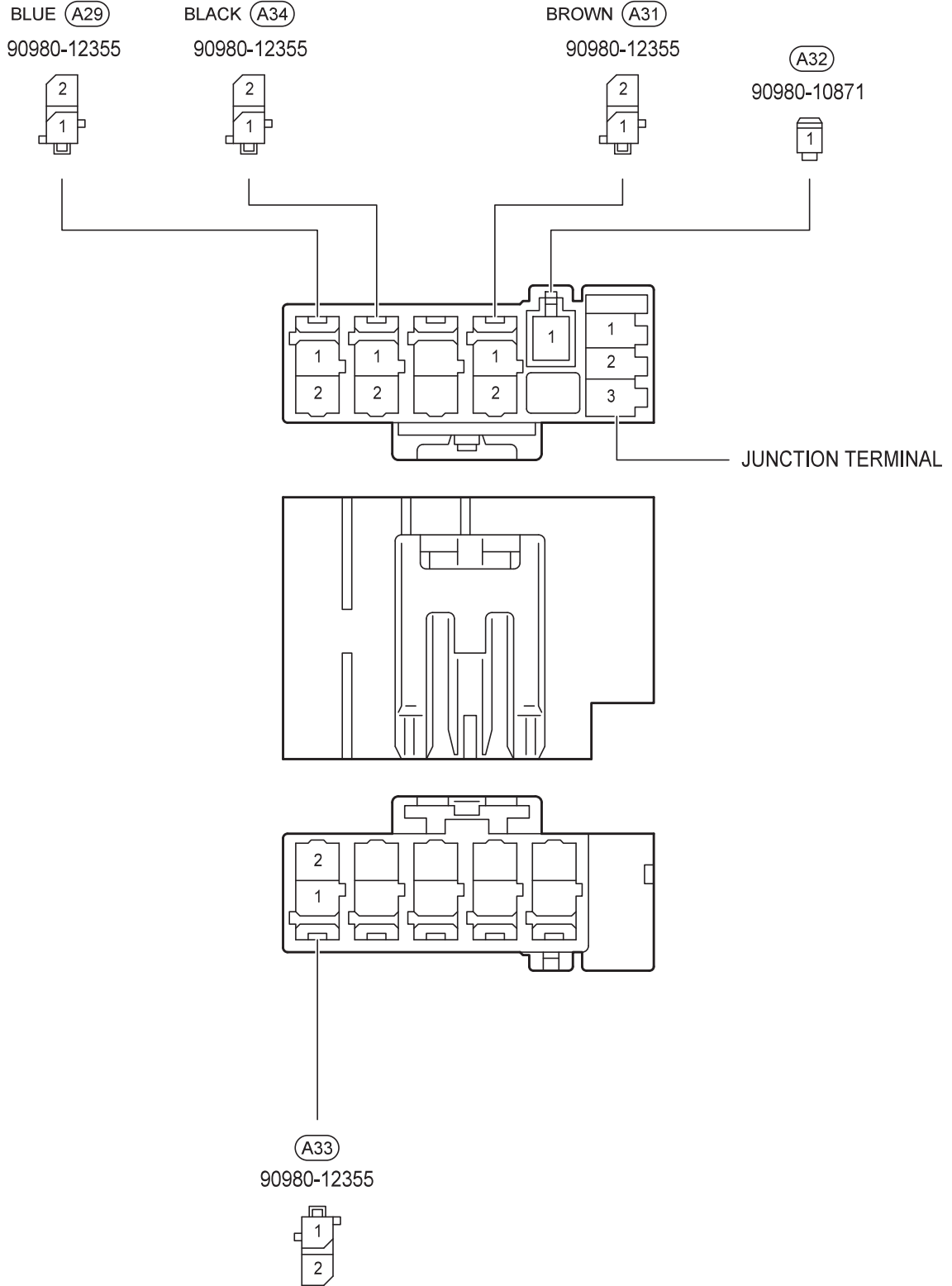


RELAY LOCATIONS

○ J/B : LEFT STEP (INNER CIRCUIT : SEE PAGE E2-24)



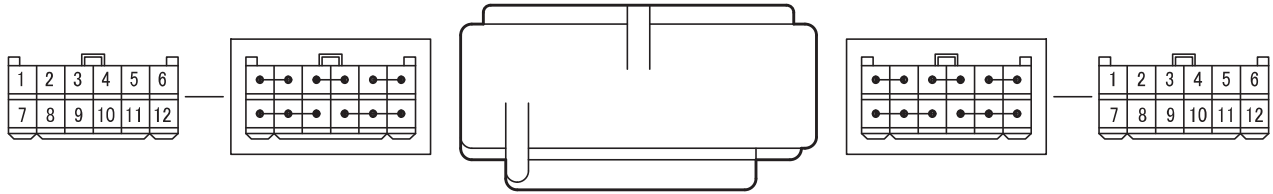
CAN JOINT CONNECTOR : INSIDE OF THE ECU BOX  
(INNER CIRCUIT : SEE PAGE E2-27)



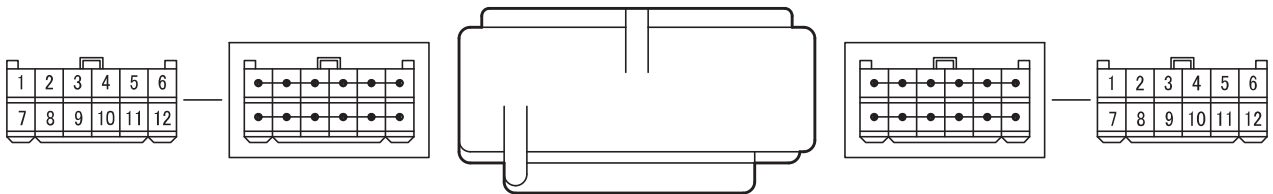


# JUNCTION CONNECTOR

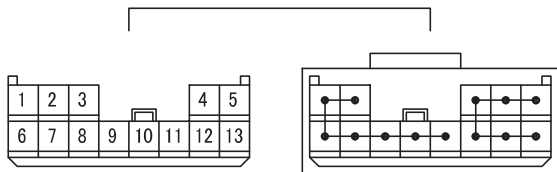
BLACK (A65) ----- JUNCTION CONNECTOR (A) ----- BLACK (G73)



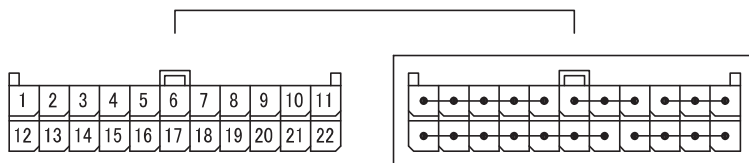
BLUE (A66) ----- JUNCTION CONNECTOR (B) ----- BLUE (G29)



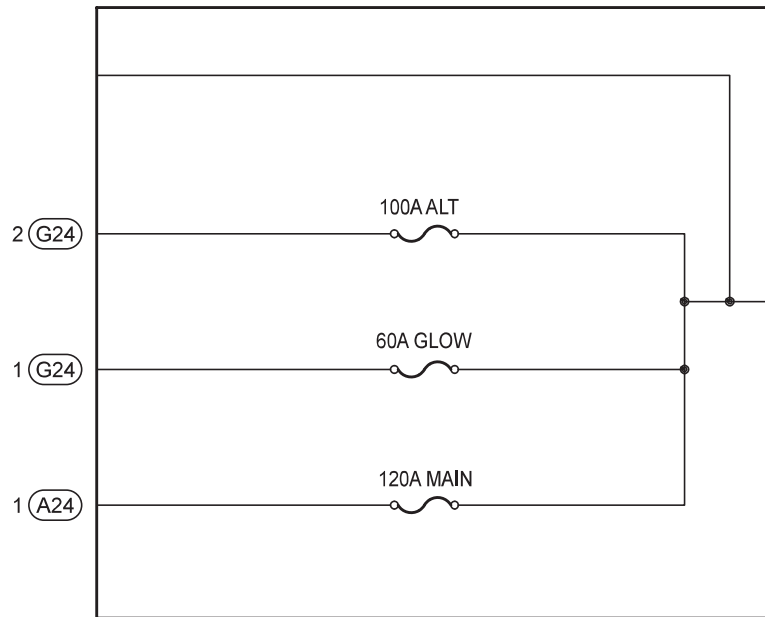
GRAY (A27) JUNCTION CONNECTOR  
GRAY (G43) JUNCTION CONNECTOR (E)



(A64) JUNCTION CONNECTOR (J)



[FUSIBLE LINK BLOCK ASSY INNER CIRCUIT]

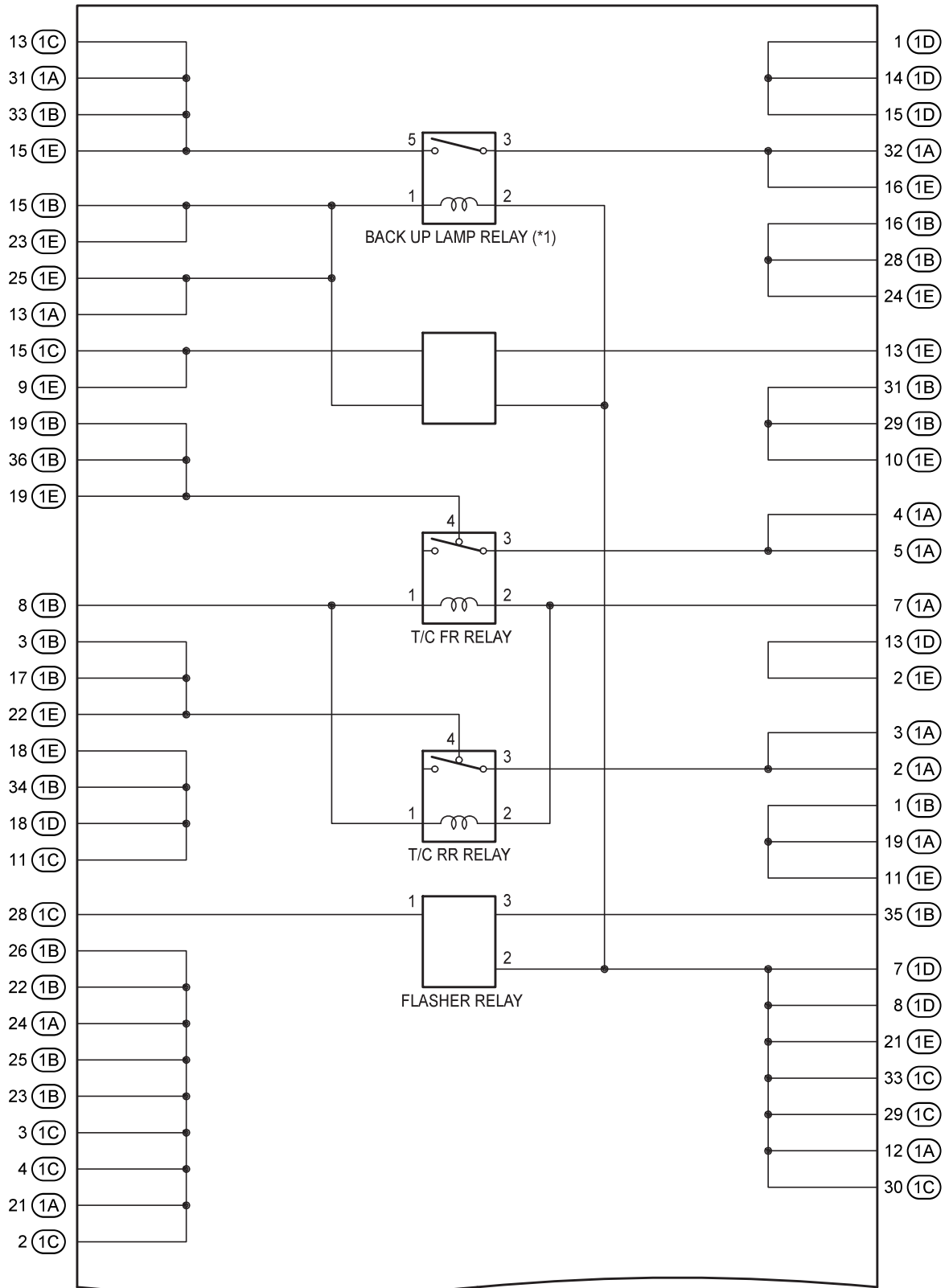


MEMO

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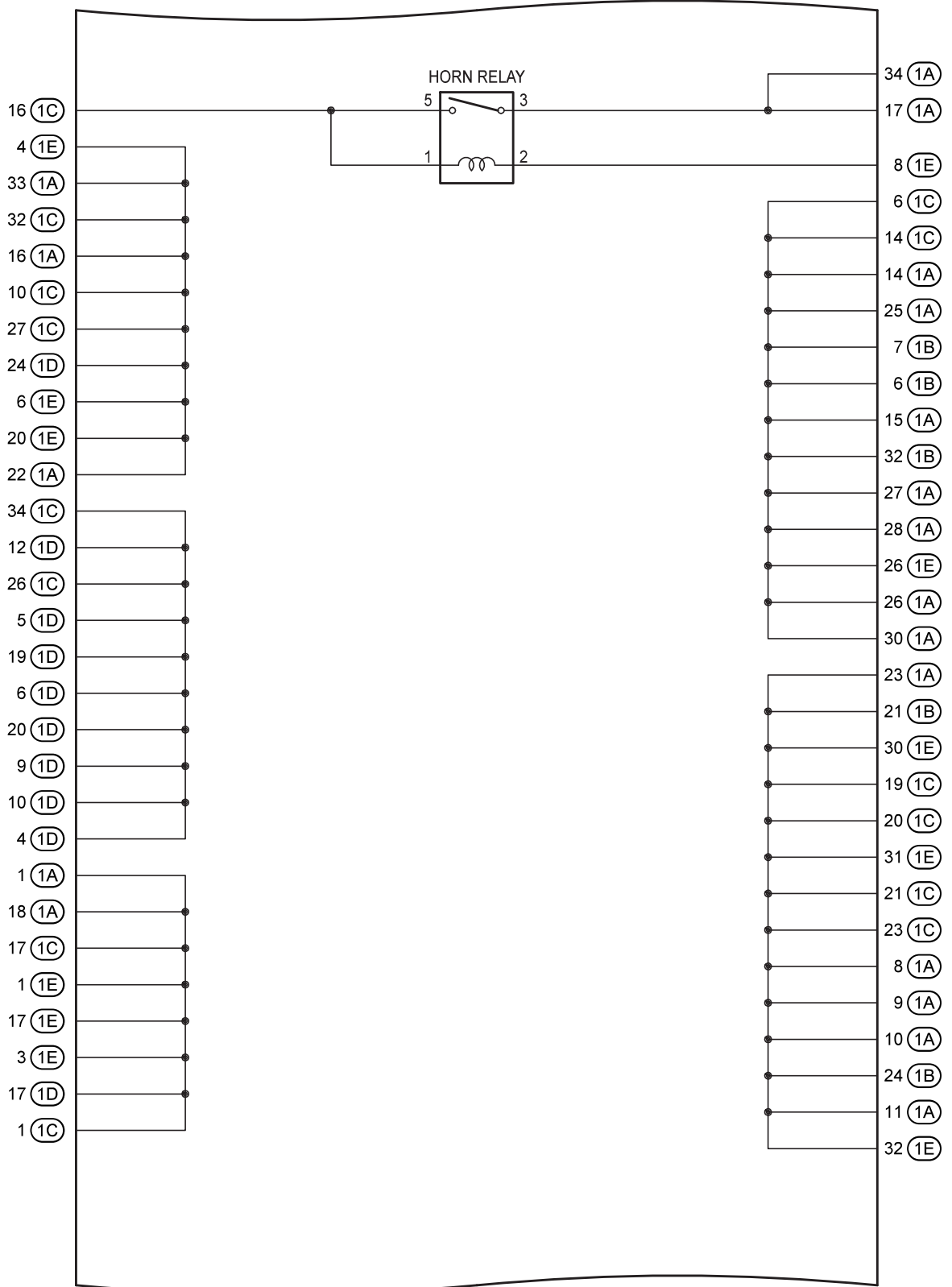
[J/B INNER CIRCUIT (1/3)]

\*1:W/ EZ PEDAL

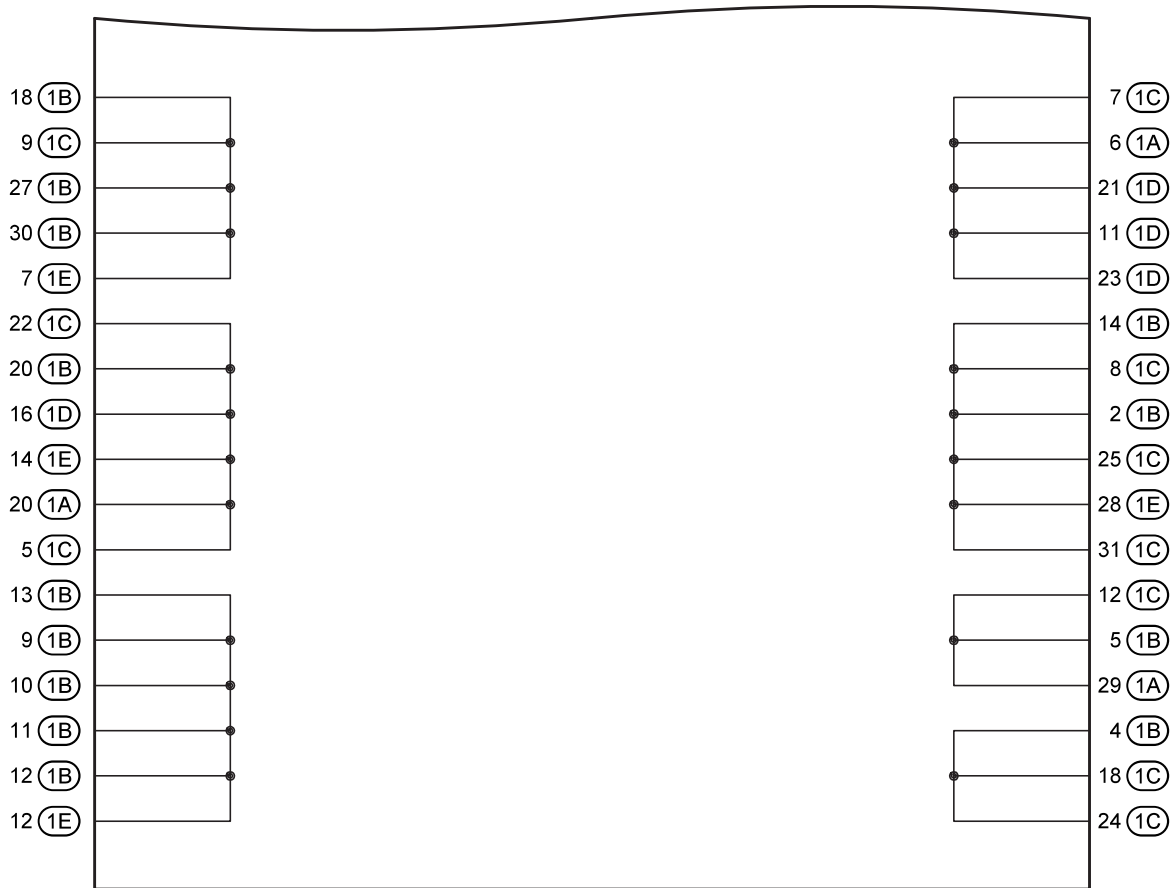


RELAY LOCATIONS

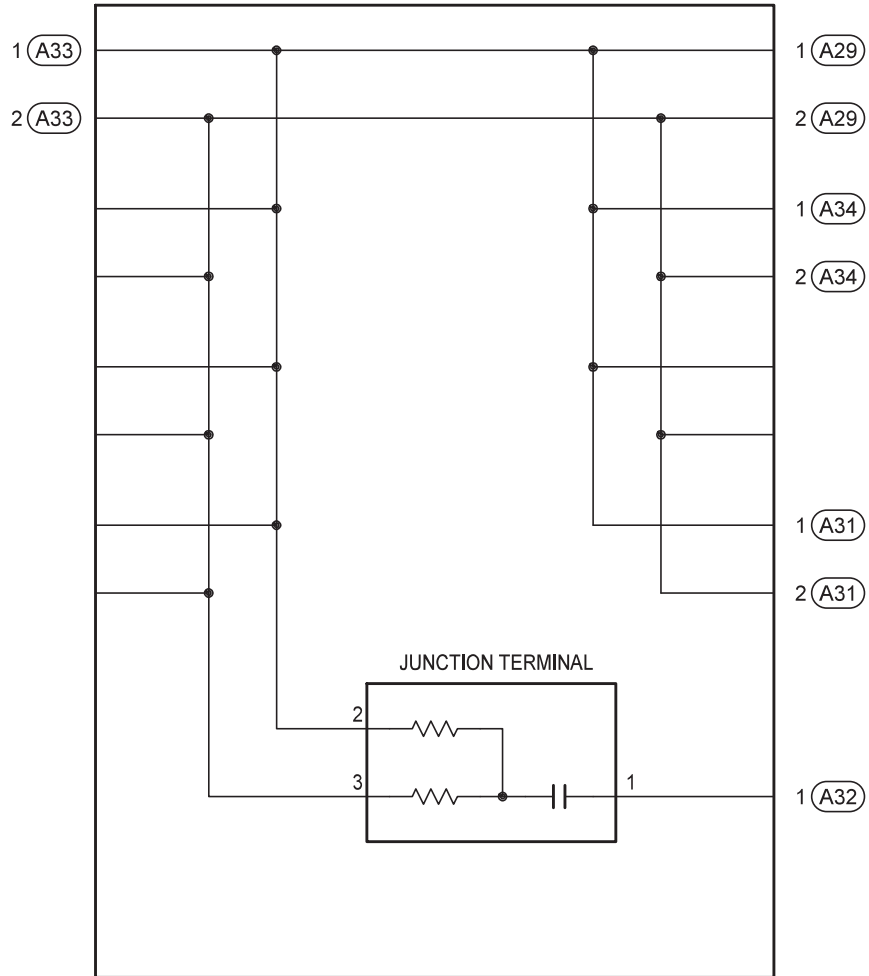
[J/B INNER CIRCUIT (2/3)]



## [J/B INNER CIRCUIT (3/3)]



[CAN JOINT CONNECTOR INNER CIRCUIT]









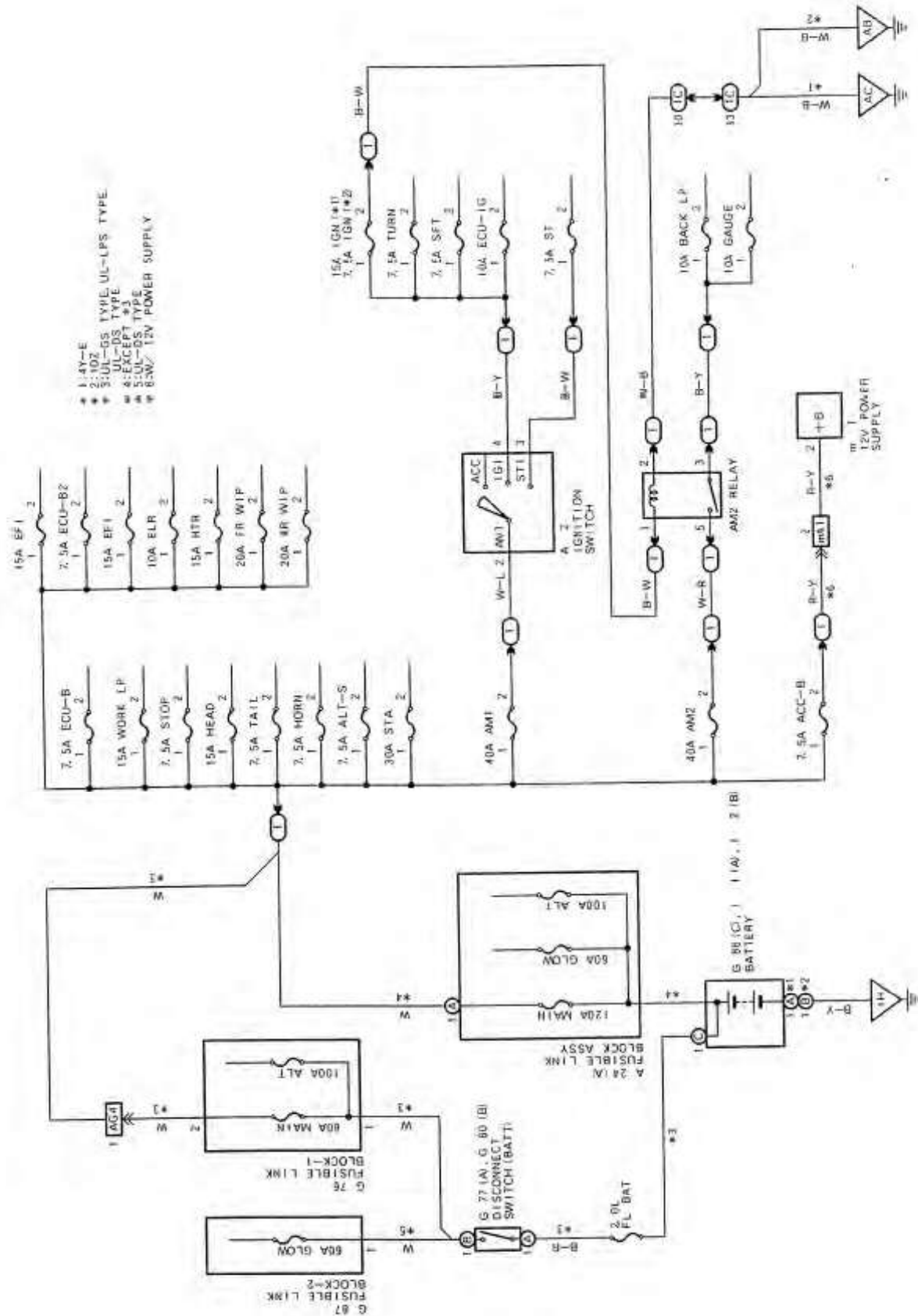
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## CHAPTER 3 SYSTEM CIRCUITS

|   |       |
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| ASC .....                                   | E3-20 |
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| EZ PEDAL .....                              | E3-30 |
| WET BRAKE .....                             | E3-34 |
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\*:SYSTEM HAS BEEN UPDATED

**E3**



## POWER SOURCE

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 2  | E2-6     | G 77 | E2-2,4   | G 87 | E2-4     | m 1  | E2-6     |
| A 24 | E2-8,16  | G 80 | E2-2,4   | I 1  | E2-2     |      |          |
| G 76 | E2-2,4   | G 86 | E2-2     | I 2  | E2-4     |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |

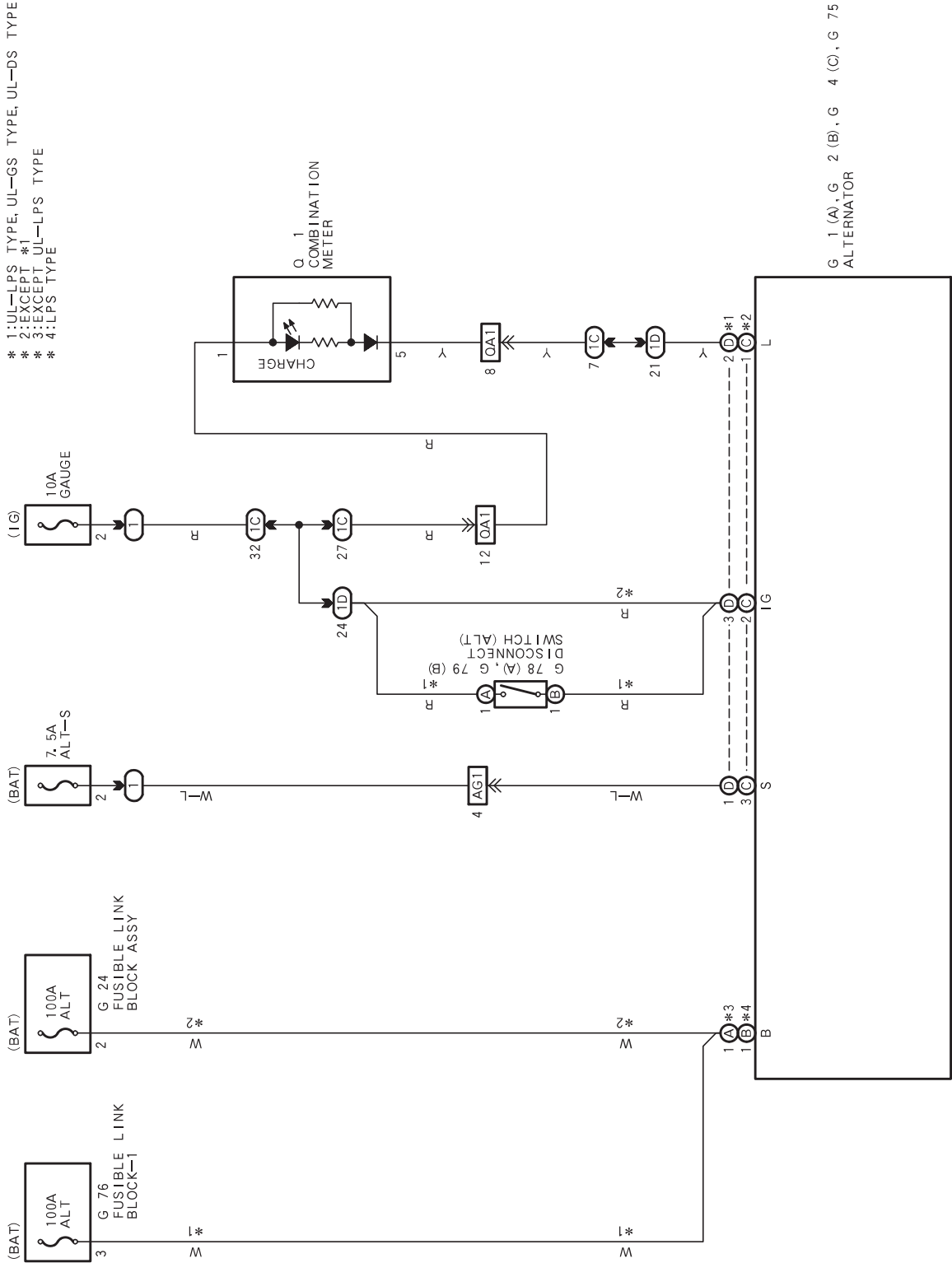
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AG4  | E2-8     | BODY MAIN WIRE to ENGINE WIRE           |
| mA1  | E2-6     | INSTRUMENT PANEL WIRE to BODY MAIN WIRE |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AB   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| AC   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| IH   | E2-2,4   | REAR PILLAR LEFT UNDER EARTH   |

CHARGING



- \* 1: UL-LPS TYPE, UL-GS TYPE, UL-DS TYPE
- \*\* 2: EXCEPT #1
- \*\* 3: EXCEPT UL-LPS TYPE
- \*\* 4: LPS TYPE

G 1 (A), G 2 (B), G 4 (C), G 75 (D)  
ALTERNATOR

## CHARGING

## PARTS

| Code | See Page | Code | See Page  | Code | See Page | Code | See Page |
|------|----------|------|-----------|------|----------|------|----------|
| G 1  | E2-4     | G 24 | E2-2,4,16 | G 78 | E2-2,4   |      |          |
| G 2  | E2-2     | G 75 | E2-2,4    | G 79 | E2-2,4   |      |          |
| G 4  | E2-2,4   | G 76 | E2-2,4    | Q 1  | E2-6     |      |          |

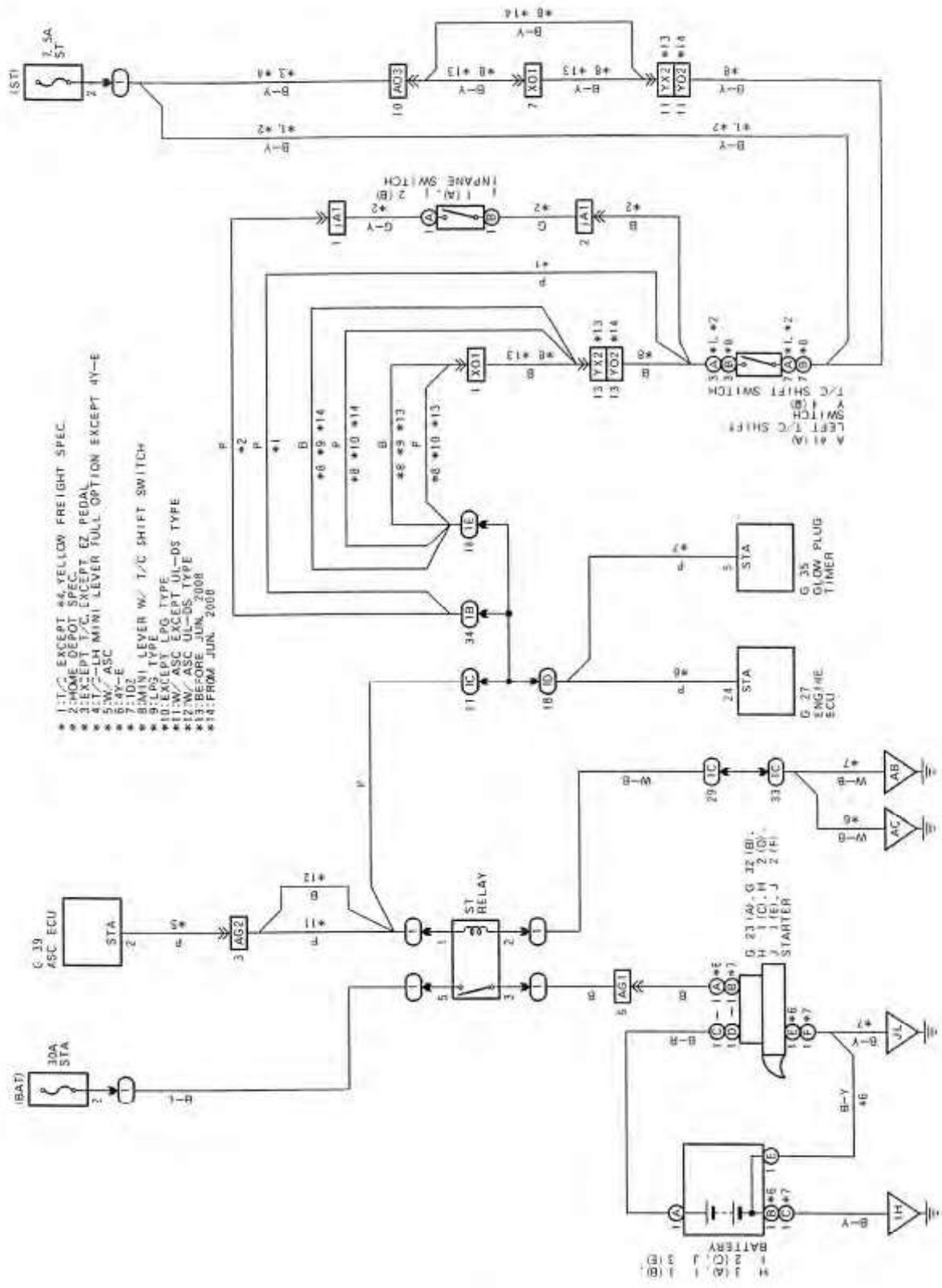
## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1D   | E2-8,18  | ENGINE WIRE to J/B                              |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AG1  | E2-8     | BODY MAIN WIRE to ENGINE WIRE           |
| QA1  | E2-6     | INSTRUMENT PANEL WIRE to BODY MAIN WIRE |

STARTING





**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A41  | E2-6     | G39  | E2-8     | I2   | E2-4     | j1   | E2-6     |
| G23  | E2-2     | H1   | E2-2     | J1   | E2-2     | j2   | E2-6     |
| G27  | E2-8     | H2   | E2-4     | J2   | E2-4     |      |          |
| G32  | E2-4     | H3   | E2-2, 4  | J3   | E2-2     |      |          |
| G35  | E2-8     | I1   | E2-2     | Y4   | E2-12    |      |          |

**RELAY BLOCK, JUNCTION BLOCK**

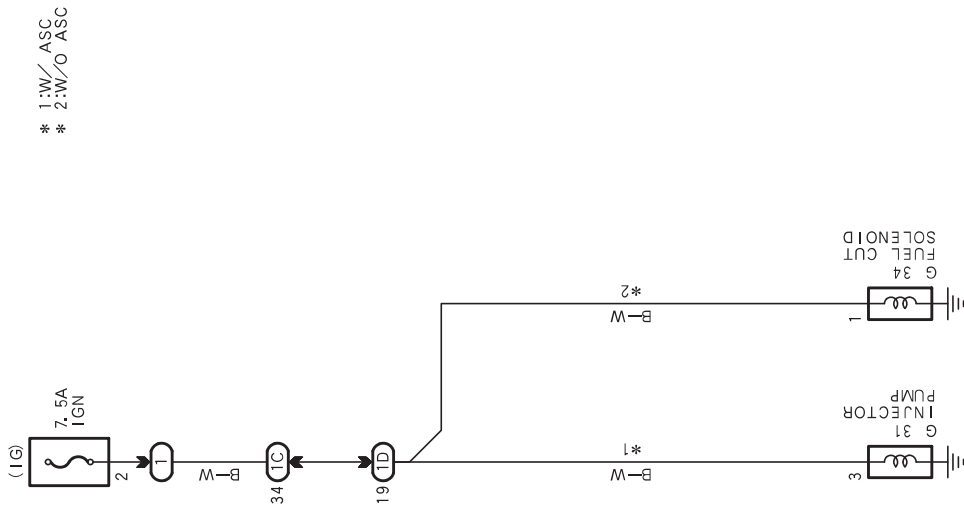
| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8, 17 | ENGINE ROOM R/B                                 |
| 1B   | E2-8, 18 | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8, 18 | BODY MAIN WIRE to J/B                           |
| 1D   | E2-8, 18 | ENGINE WIRE to J/B                              |
| 1E   | E2-8, 18 | SIDE LH WIRE to J/B                             |

**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness      |
|------|----------|--|
| AG1  | E2-8     | BODY MAIN WIRE to ENGINE WIRE              |
| AG2  | E2-8     | BODY MAIN WIRE to ENGINE WIRE              |
| AO3  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE             |
| XO1  | E2-12    | HOOD MAIN WIRE to SIDE LH WIRE             |
| YO2  | E2-12    | HOOD SUB NO. 1 WIRE to SIDE LH WIRE        |
| YX2  | E2-12    | HOOD SUB NO. 1 WIRE to HOOD MAIN WIRE      |
| ja1  | E2-6     | INSTRUMENT PANEL SW WIRE to BODY MAIN WIRE |

**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AB   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| AC   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| IH   | E2-2, 4  | REAR PILLAR LEFT UNDER EARTH   |
| JL   | E2-4     | FRONT PLATE LEFT INSIDE EARTH  |



## FUEL

## PARTS

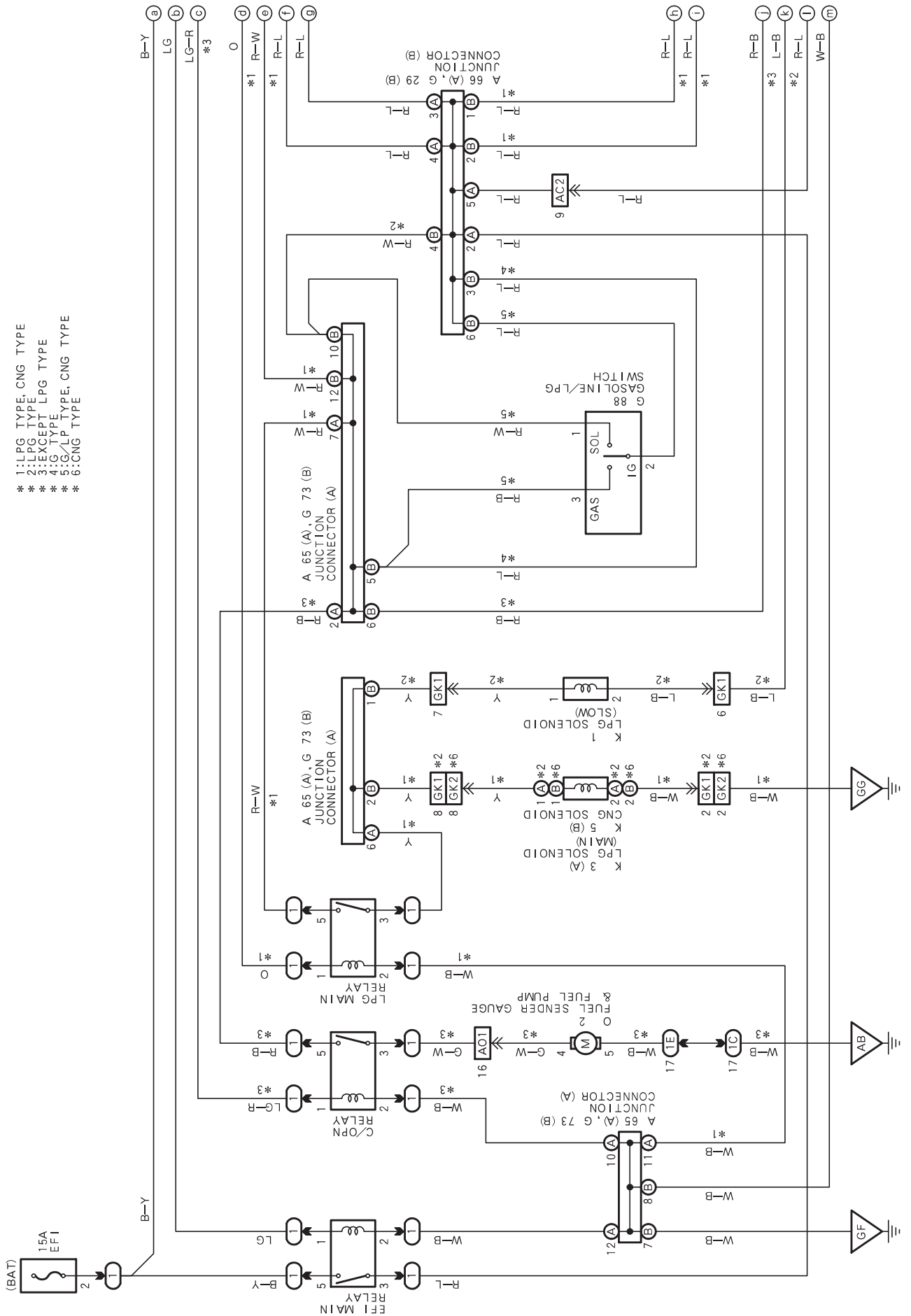
| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| G 31 | E2-4     | G 34 | E2-4     |      |          |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1D   | E2-8,18  | ENGINE WIRE to J/B                              |

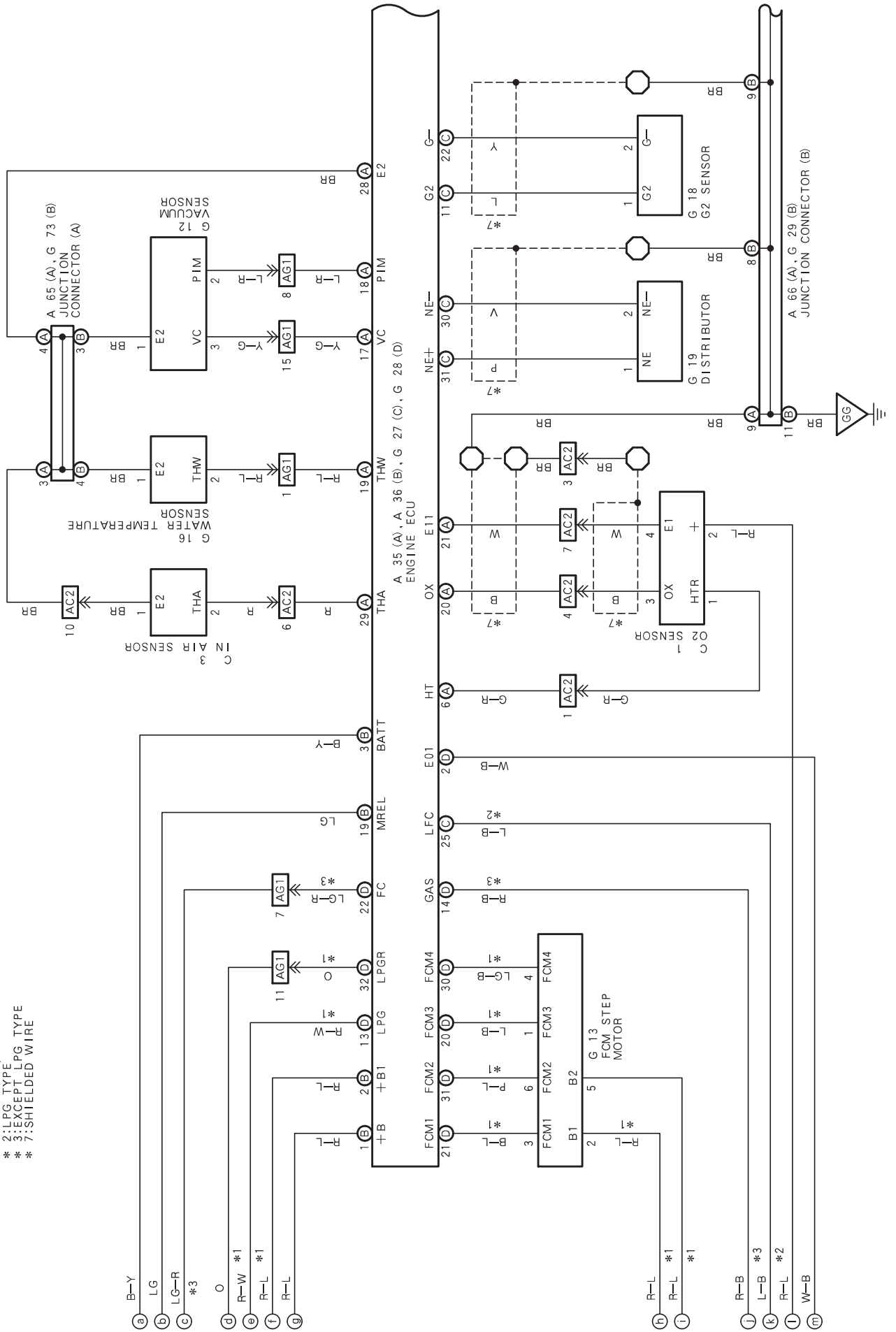
ENGINE CONTROL (4Y-E)

- \* 1: LPG TYPE, CNG TYPE
- \* 2: LPG TYPE
- \* 3: EXCEPT LPG TYPE
- \* 4: G TYPE
- \* 5: G/LP TYPE, CNG TYPE
- \* 6: CNG TYPE

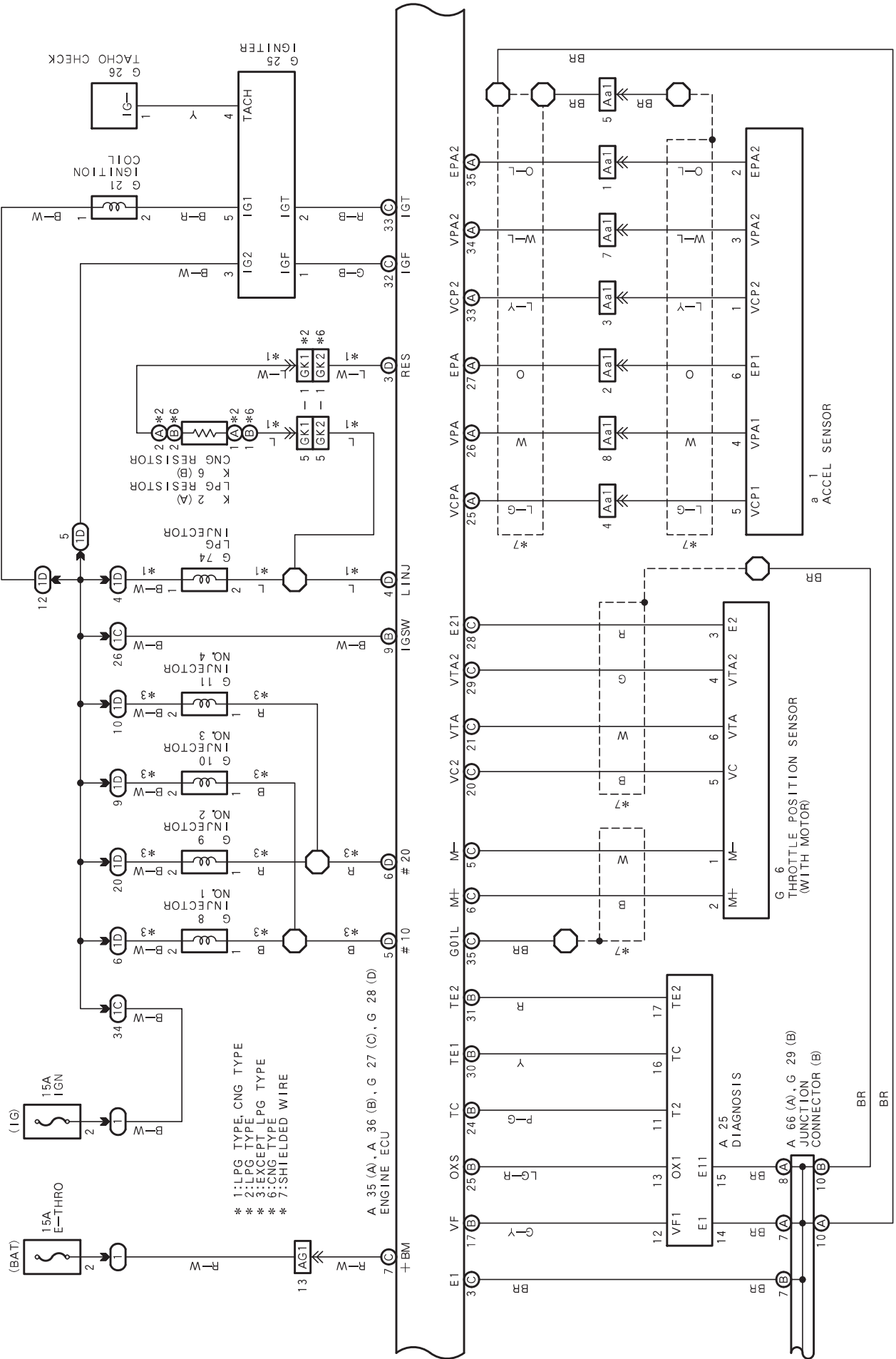


ENGINE CONTROL (4Y-E)

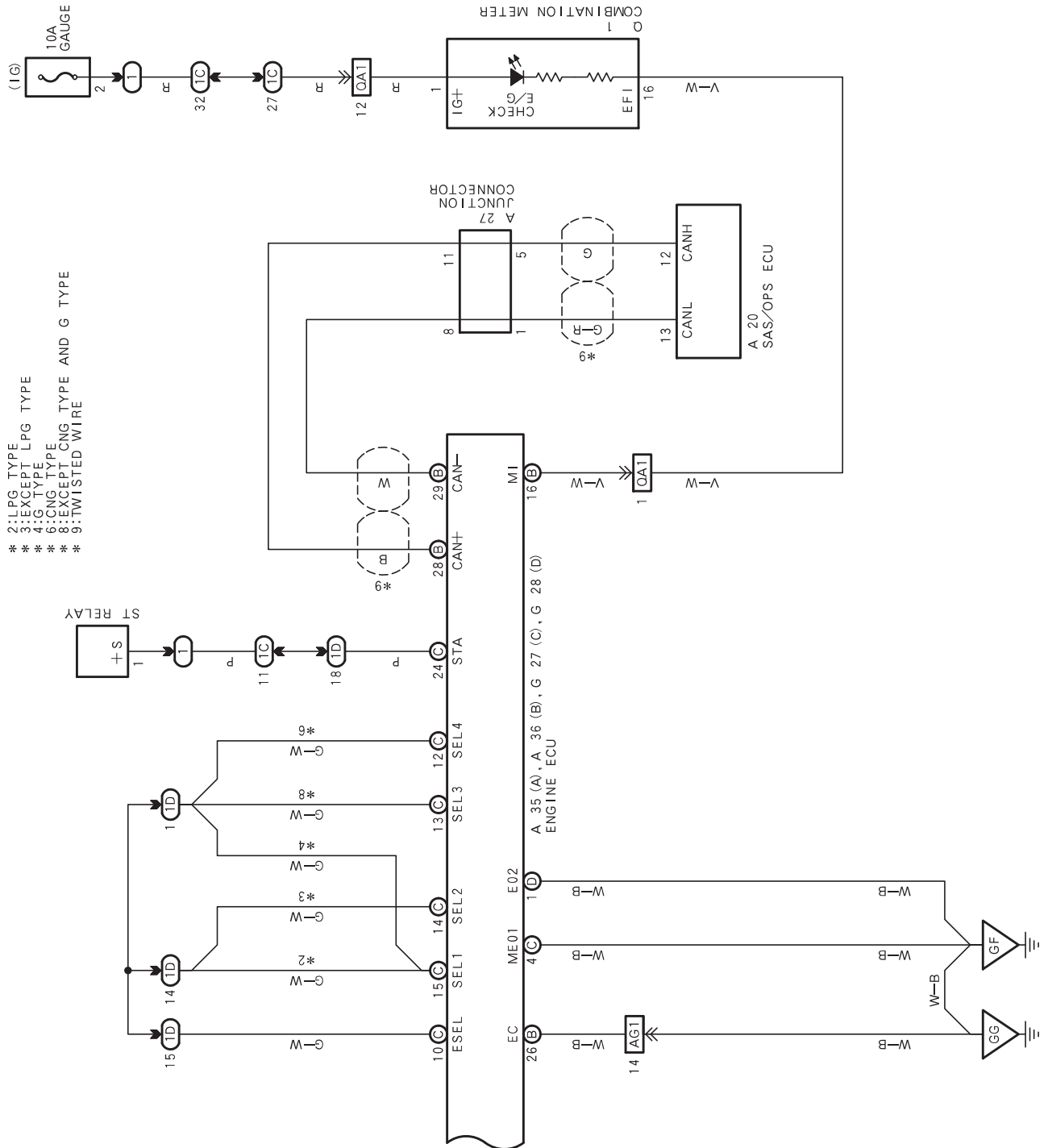
- \* 1: LPG TYPE, CNG TYPE
- \* 2: LPG TYPE
- \* 3: EXCEPT LPG TYPE
- \* 7: SHIELDED WIRE



ENGINE CONTROL (4Y-E)



ENGINE CONTROL (4Y-E)



## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 20 | E2-6     | G 6  | E2-2     | G 19 | E2-2     | G 88 | E2-2     |
| A 25 | E2-8     | G 8  | E2-2     | G 21 | E2-2     | K 1  | E2-2     |
| A 27 | E2-8     | G 9  | E2-2     | G 25 | E2-2     | K 2  | E2-2     |
| A 35 | E2-8     | G 10 | E2-2     | G 26 | E2-2     | K 3  | E2-2     |
| A 36 | E2-8     | G 11 | E2-2     | G 27 | E2-8     | K 5  | E2-2     |
| A 65 | E2-8     | G 12 | E2-2     | G 28 | E2-8     | K 6  | E2-2     |
| A 66 | E2-8     | G 13 | E2-2     | G 29 | E2-8     | O 2  | E2-12    |
| C 1  | E2-14    | G 16 | E2-2     | G 73 | E2-8     | Q 1  | E2-6     |
| C 3  | E2-14    | G 18 | E2-2     | G 74 | E2-2     | a 1  | E2-6     |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1D   | E2-8,18  | ENGINE WIRE to J/B                              |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AC2  | E2-8     | BODY MAIN WIRE to SIDE RH WIRE          |
| AG1  | E2-8     | BODY MAIN WIRE to ENGINE WIRE           |
| AO1  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE          |
| Aa1  | E2-6     | BODY MAIN WIRE to SUB ACCEL WIRE        |
| GK1  | E2-2     | ENGINE WIRE to ENGINE SUB WIRE          |
| GK2  | E2-2     | ENGINE WIRE to ENGINE SUB WIRE          |
| QA1  | E2-6     | INSTRUMENT PANEL WIRE to BODY MAIN WIRE |

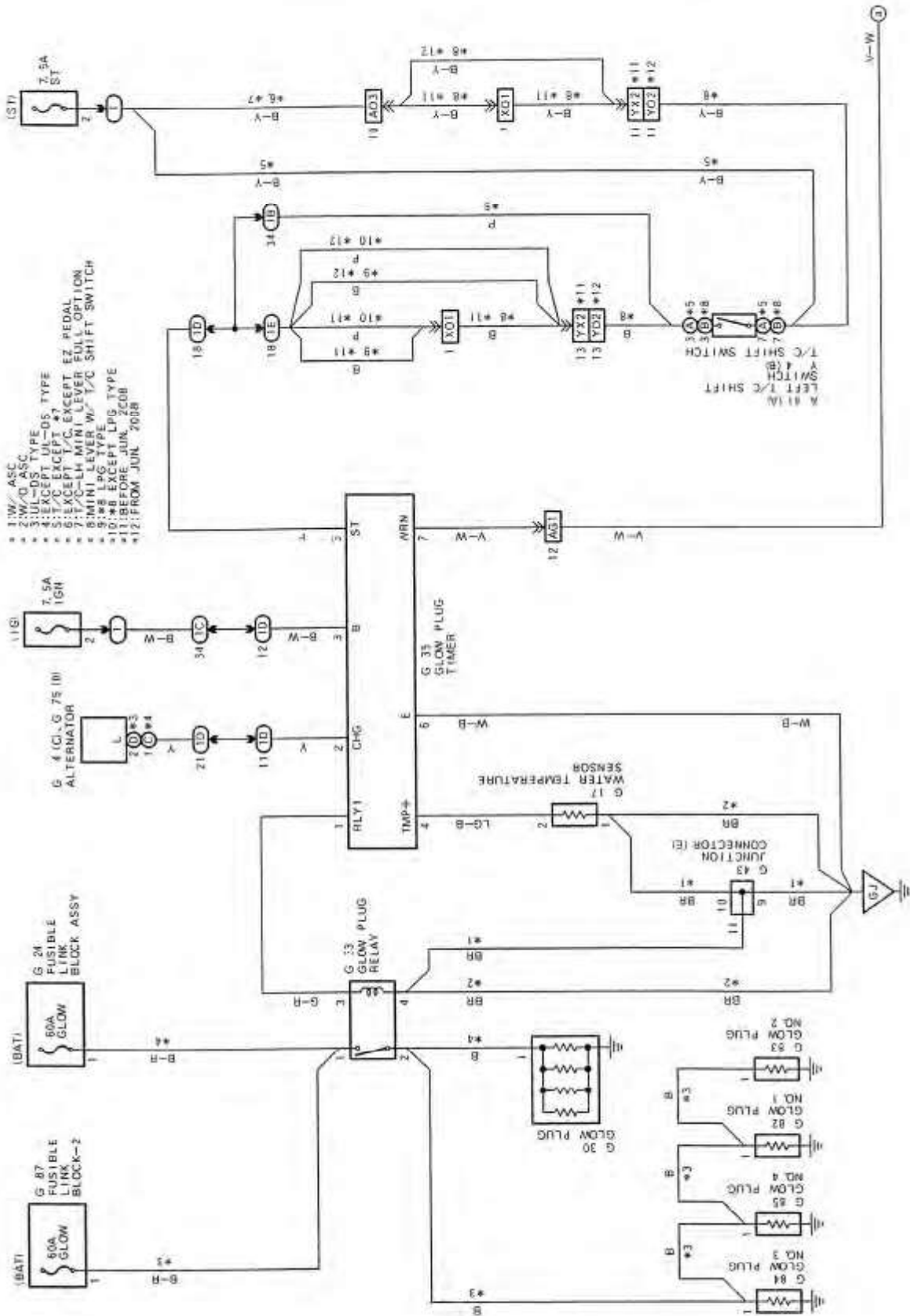
## EARTH

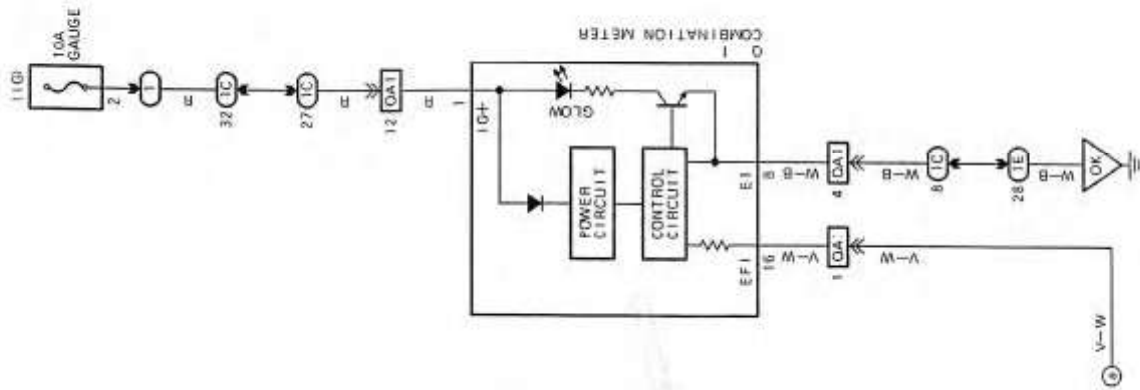
| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AB   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| GF   | E2-2     | ENGINE UPPER EARTH             |
| GG   | E2-2     | ENGINE UPPER EARTH             |



MEMO

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## PARTS

| Code | See Page    | Code | See Page | Code | See Page | Code | See Page |
|------|-------------|------|----------|------|----------|------|----------|
| A41  | E2-6        | G30  | E2-4     | G75  | E2-2, 4  | G85  | E2-4     |
| G4   | E2-2, 4     | G33  | E2-4     | G82  | E2-4     | G87  | E2-4     |
| G17  | E2-4        | G35  | E2-8     | G83  | E2-4     | Q1   | E2-6     |
| G24  | E2-2, 4, 16 | G43  | E2-8     | G84  | E2-4     | Y4   | E2-12    |

## RELAY BLOCK, JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8, 17 | ENGINE ROOM R/B                                 |
| 1B   | E2-8, 18 | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8, 18 | BODY MAIN WIRE to J/B                           |
| 1D   | E2-8, 18 | ENGINE WIRE to J/B                              |
| 1E   | E2-8, 18 | SIDE LH WIRE to J/B                             |

## WIRE TO WIRE

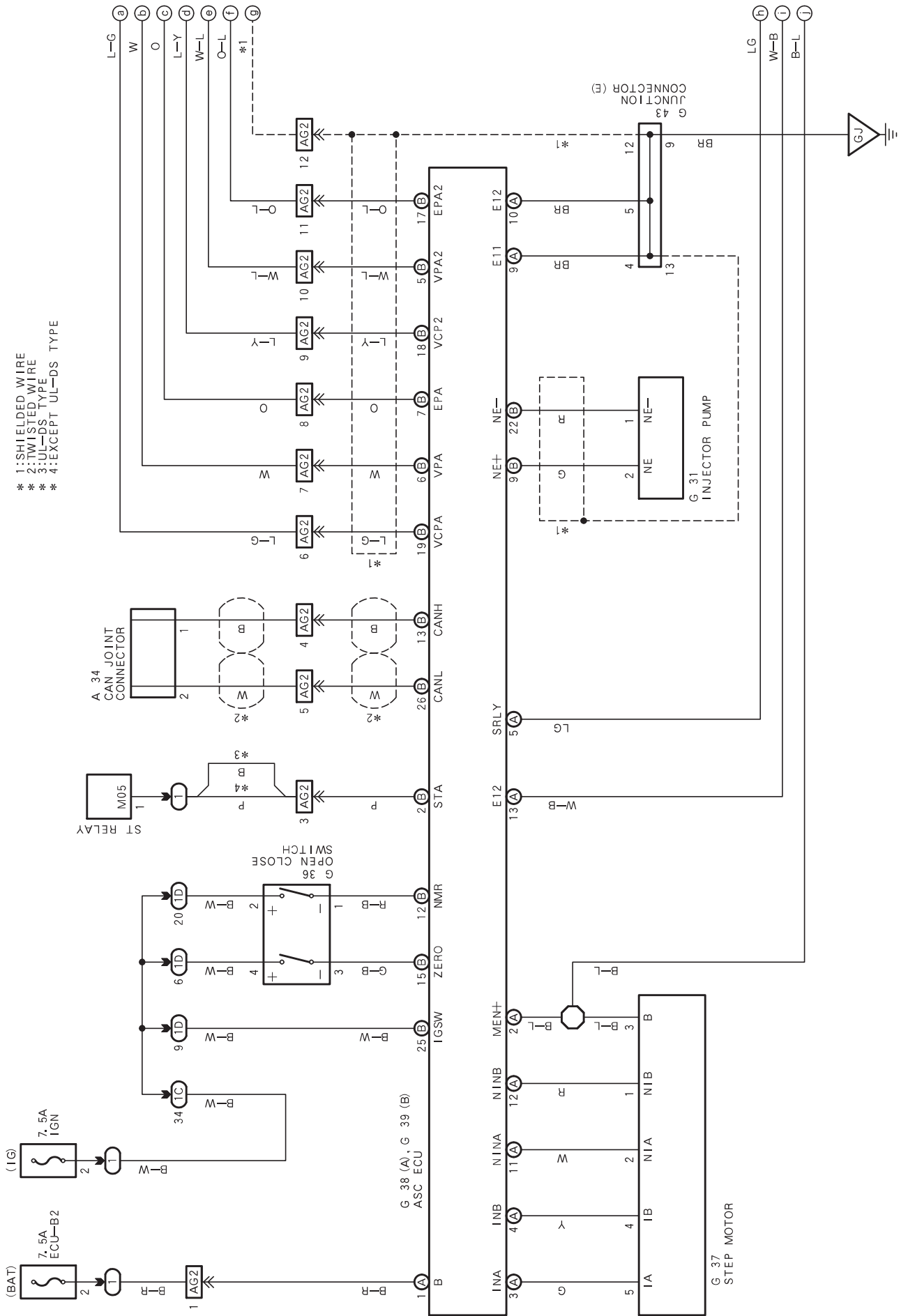
| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AG1  | E2-8     | BODY MAIN WIRE to ENGINE WIRE           |
| AO3  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE          |
| QA1  | E2-6     | INSTRUMENT PANEL WIRE TO BODY MAIN WIRE |
| XO1  | E2-12    | HOOD MAIN WIRE to SIDE LH WIRE          |
| YO2  | E2-12    | HOOD SUB NO. 1 WIRE to SIDE LH WIRE     |
| YX2  | E2-12    | HOOD SUB NO. 1 WIRE to HOOD MAIN WIRE   |

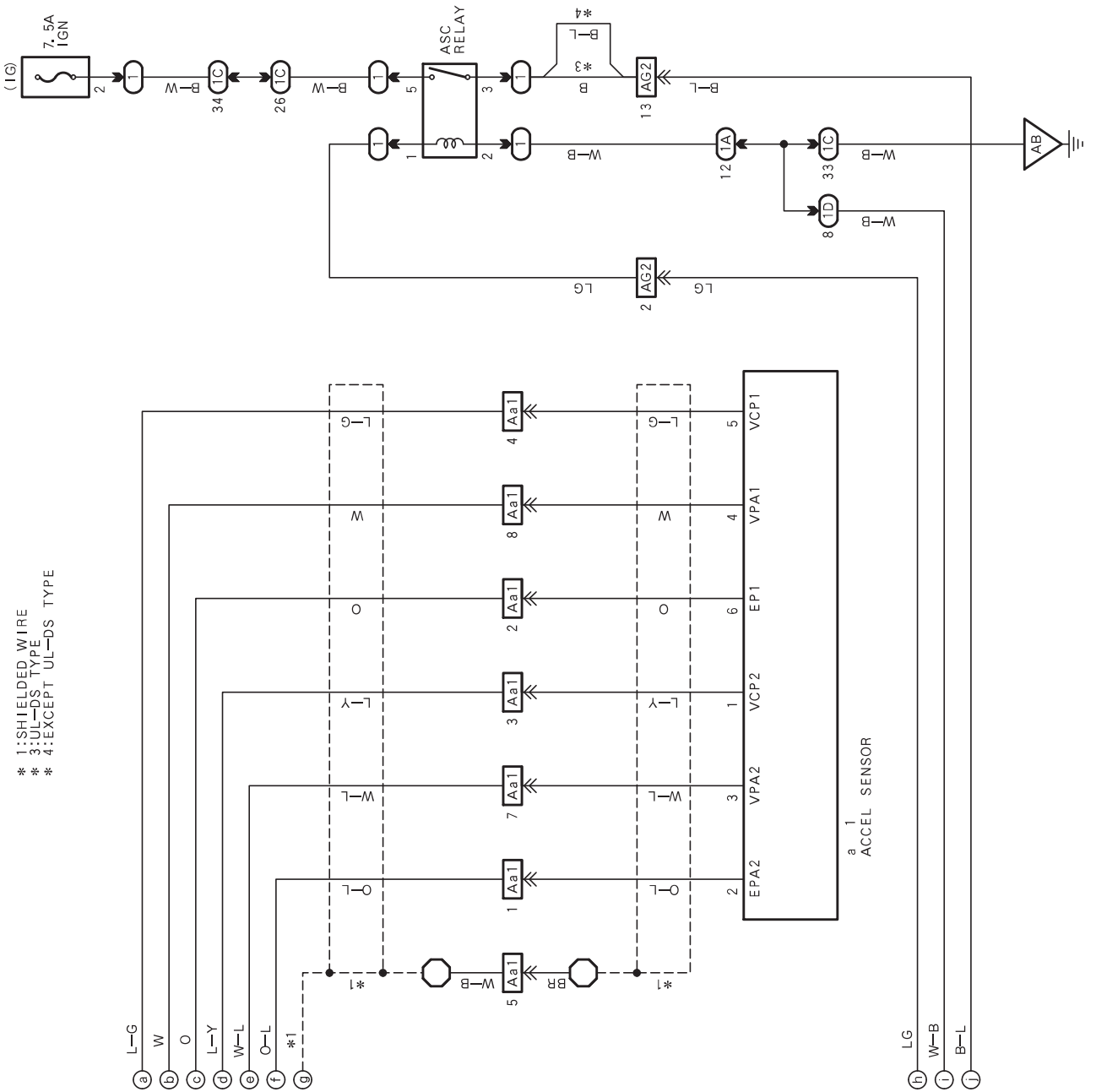
## EARTH

| Code | See Page | Name                                 |
|------|----------|--------------------------------------|
| GJ   | E2-4     | JUNCTION BLOCK in FRONT INSIDE EARTH |
| OK   | E2-12    | REAR PILLAR LEFT UNDER EARTH         |

MEMO

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## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 34 | E2-8,19  | G 36 | E2-4     | G 38 | E2-8     | G 43 | E2-8     |
| G 31 | E2-4     | G 37 | E2-4     | G 39 | E2-8     | a 1  | E2-6     |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1D   | E2-8,18  | ENGINE WIRE to J/B                              |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AG2  | E2-8     | BODY MAIN WIRE to ENGINE WIRE         |
| Aa1  | E2-6     | BODY MAIN WIRE to SUB ACCEL WIRE      |

## EARTH

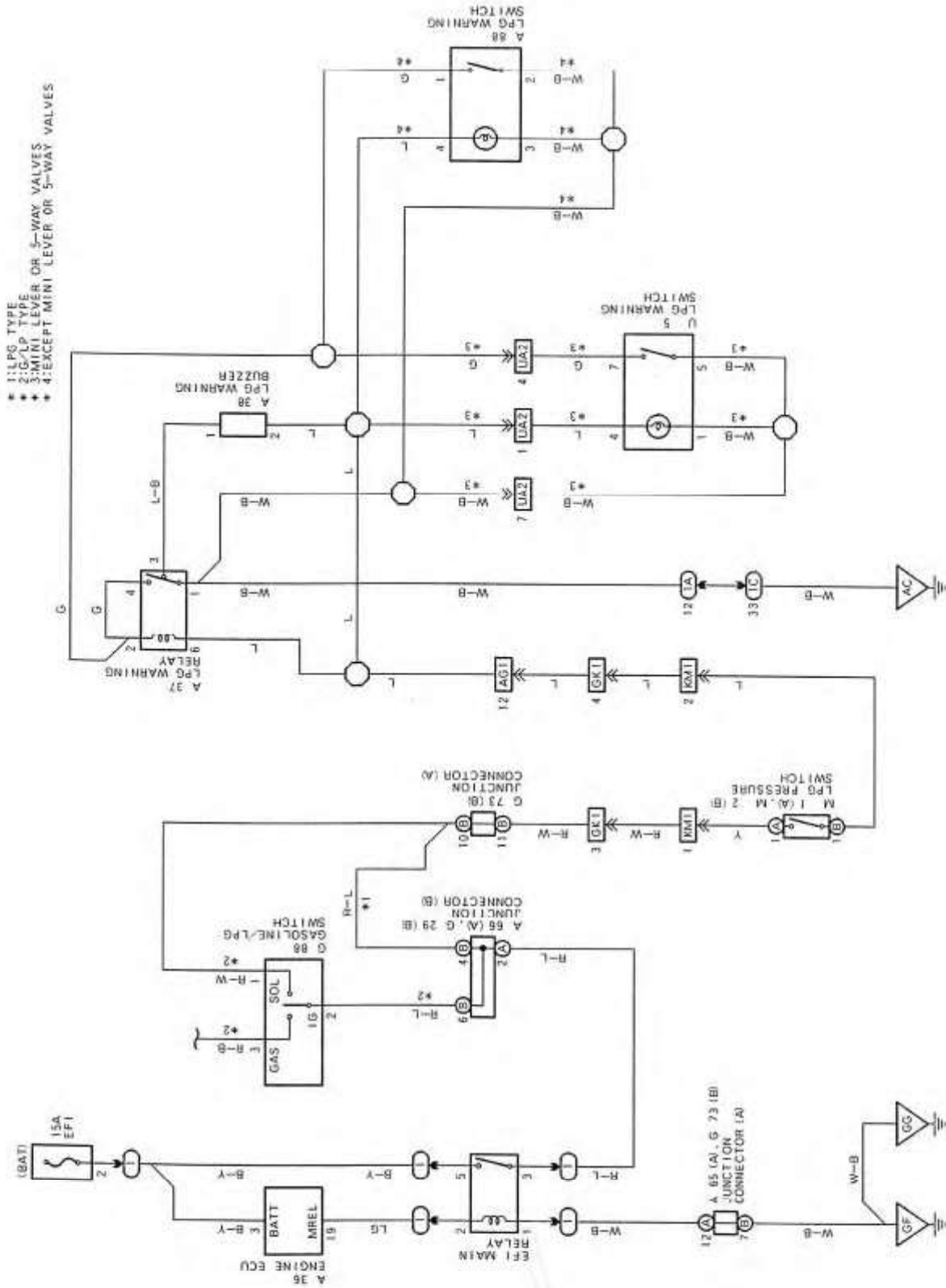
| Code | See Page | Name                                 |
|------|----------|--------------------------------------|
| AB   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH       |
| GJ   | E2-4     | JUNCTION BLOCK IN FRONT INSIDE EARTH |



MEMO

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LPG WARNING SYSTEM (4Y-E)



## LPG WARNING SYSTEM (4Y-E)

**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 36 | E2-8     | A 65 | E2-8     | G 29 | E2-8     | M 1  | E2-2     |
| A 37 | E2-8     | A 66 | E2-8     | G 73 | E2-2     | M 2  | E2- 2    |
| A 38 | E2-8     | A 88 | E2-8     | G 88 | E2-2     | U 5  | E2-10    |

**RELAY BLOCK , JUNCTION BLOCK**

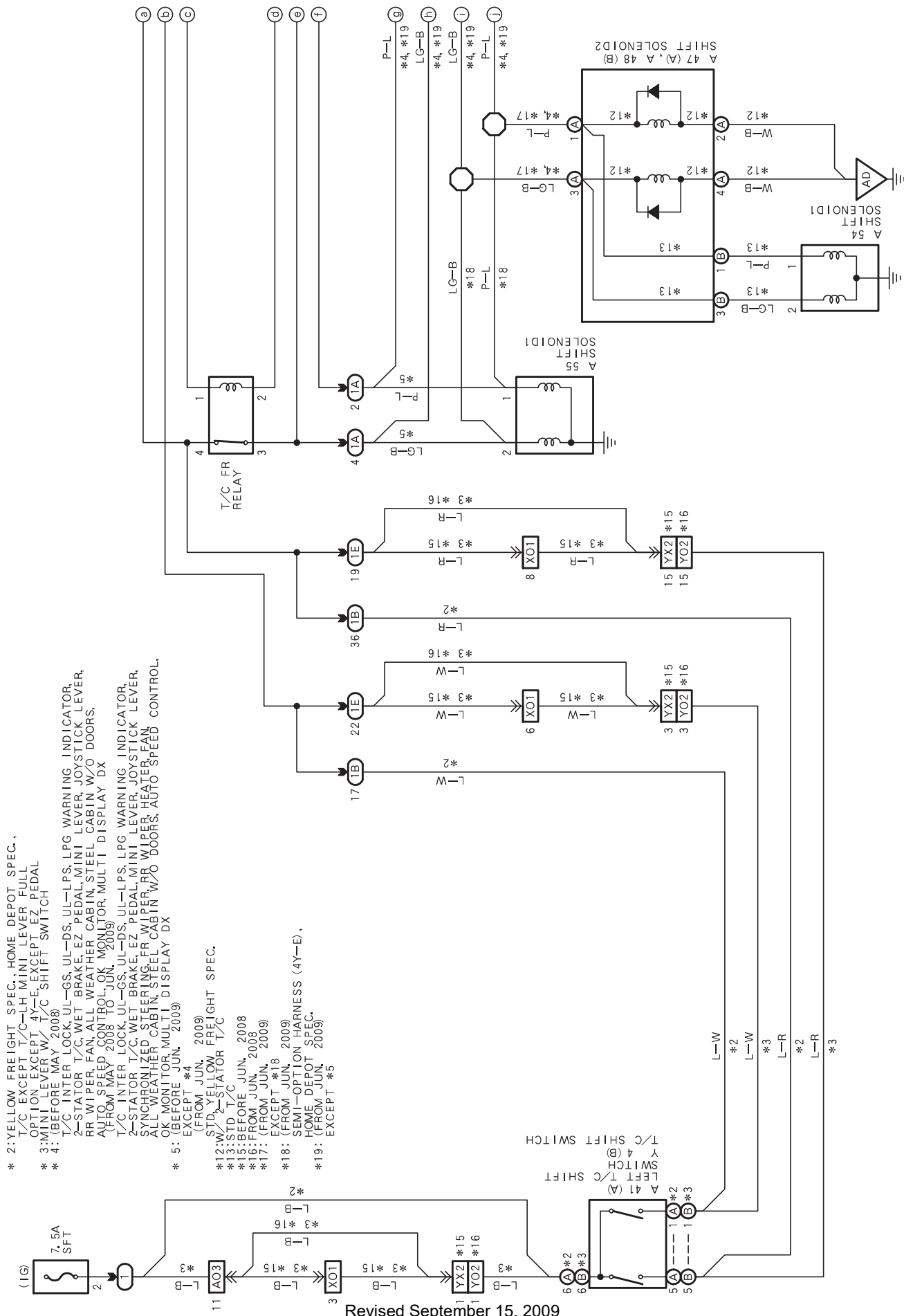
| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |

**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness       |
|------|----------|---|
| AG1  | E2-8     | BODY MAIN WIRE to ENGINE WIRE               |
| GK1  | E2-2     | ENGINE WIRE to ENGINE SUB WIRE              |
| KM1  | E2-2     | ENGINE SUB WIRE to LPG PRESSURE SWITCH WIRE |
| UA2  | E2-10    | HEAD GUARD SW WIRE to BODY MAIN WIRE        |

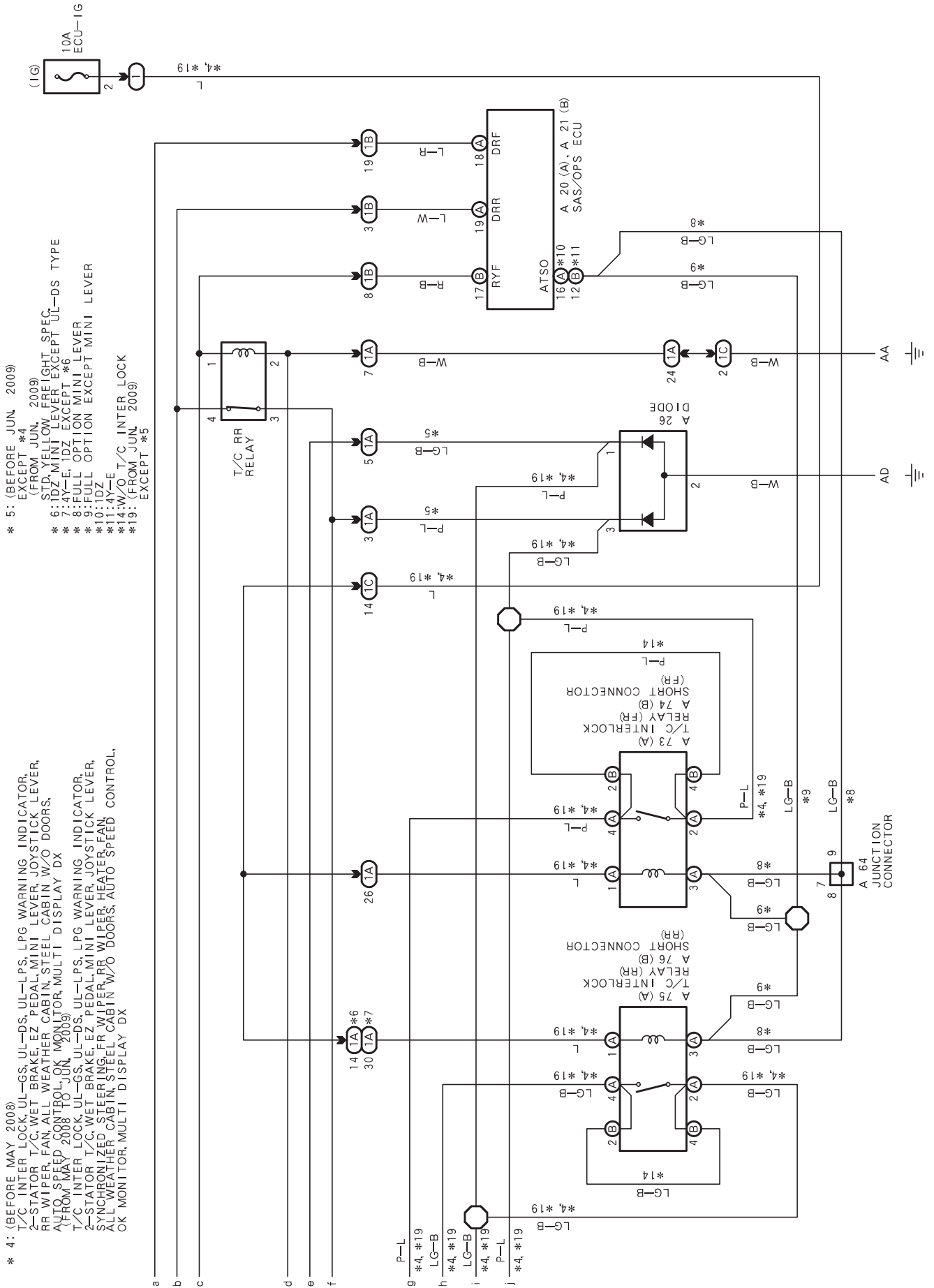
**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AC   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| GF   | E2-2     | ENGINE UPPER EARTH             |
| GG   | E2-2     | ENGINE UPPER EARTH             |



- \* 2: YELLOW FREIGHT SPEC.; HOME DEPOT SPEC. T/C EXCEPT T/C-LH MINI LEVER FULL OPTION EXCEPT 4Y-E, EXCEPT EZ PEDAL
- \* 3: MINI LEVER W/ T/C SHIFT SWITCH
- \* 4: (BEFORE MAY 2008)
- \* 5: (BEFORE JUN. 2009)
- \* 6: (FROM JUN. 2009)
- \* 7: (FROM JUN. 2009)
- \* 8: (FROM JUN. 2009)
- \* 9: (FROM JUN. 2009)
- \* 10: (FROM JUN. 2009)
- \* 11: (FROM JUN. 2009)
- \* 12: (FROM JUN. 2009)
- \* 13: (FROM JUN. 2009)
- \* 14: (FROM JUN. 2009)
- \* 15: (FROM JUN. 2009)
- \* 16: (FROM JUN. 2009)
- \* 17: (FROM JUN. 2009)
- \* 18: (FROM JUN. 2009)
- \* 19: (FROM JUN. 2009)
- \* 20: (FROM JUN. 2009)
- \* 21: (FROM JUN. 2009)
- \* 22: (FROM JUN. 2009)
- \* 23: (FROM JUN. 2009)
- \* 24: (FROM JUN. 2009)
- \* 25: (FROM JUN. 2009)
- \* 26: (FROM JUN. 2009)
- \* 27: (FROM JUN. 2009)
- \* 28: (FROM JUN. 2009)
- \* 29: (FROM JUN. 2009)
- \* 30: (FROM JUN. 2009)
- \* 31: (FROM JUN. 2009)
- \* 32: (FROM JUN. 2009)
- \* 33: (FROM JUN. 2009)
- \* 34: (FROM JUN. 2009)
- \* 35: (FROM JUN. 2009)
- \* 36: (FROM JUN. 2009)
- \* 37: (FROM JUN. 2009)
- \* 38: (FROM JUN. 2009)
- \* 39: (FROM JUN. 2009)
- \* 40: (FROM JUN. 2009)
- \* 41: (FROM JUN. 2009)
- \* 42: (FROM JUN. 2009)
- \* 43: (FROM JUN. 2009)
- \* 44: (FROM JUN. 2009)
- \* 45: (FROM JUN. 2009)
- \* 46: (FROM JUN. 2009)
- \* 47: (FROM JUN. 2009)
- \* 48: (FROM JUN. 2009)
- \* 49: (FROM JUN. 2009)
- \* 50: (FROM JUN. 2009)
- \* 51: (FROM JUN. 2009)
- \* 52: (FROM JUN. 2009)
- \* 53: (FROM JUN. 2009)
- \* 54: (FROM JUN. 2009)
- \* 55: (FROM JUN. 2009)
- \* 56: (FROM JUN. 2009)
- \* 57: (FROM JUN. 2009)
- \* 58: (FROM JUN. 2009)
- \* 59: (FROM JUN. 2009)
- \* 60: (FROM JUN. 2009)

POWER SHIFT TRANSMISSION



\* 5: (BEFORE JUN. 2009) EXCEPT \*4  
 (FROM JUN. 2009)  
 \* 6: STD. YELLOW FREIGHT SPEC.  
 \* 7: 4Y-E, 1DZ EXCEPT \*6  
 \* 8: FULL OPTION MINI LEVER  
 \* 9: FULL OPTION EXCEPT MINI LEVER  
 \* 10: 1DZ  
 \* 11: 4Y-E  
 \* 14: W/O T/C INTER LOCK  
 \* 19: (FROM JUN. 2009) EXCEPT \*5

\* 4: (BEFORE MAY 2008)  
 T/C INTER LOCK, UL-GS, UL-DS, UL-LPS, LPG WARNING INDICATOR,  
 2-STATOR T/C, WET BRAKE, EZ PEDAL, MINI LEVER, JOYSTICK LEVER,  
 RR WIPER, FAN, ALL WEATHER CABIN, STEEL CABIN W/O DOORS,  
 AUTO SPEED CONTROL, OK MONITOR, MULTI DISPLAY DX  
 (FROM MAY 2008 TO JUN. 2009)  
 T/C INTER LOCK, UL-GS, UL-DS, UL-LPS, LPG WARNING INDICATOR,  
 2-STATOR T/C, WET BRAKE, EZ PEDAL, MINI LEVER, JOYSTICK LEVER,  
 SYNCHRONIZED STEERING, RR WIPER, FAN, HEATER, FAN,  
 ALL WEATHER CABIN, STEEL CABIN W/O DOORS, AUTO SPEED CONTROL,  
 OK MONITOR, MULTI DISPLAY DX

**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 20 | E2-6     | A 47 | E2-8     | A 64 | E2-8     | A 76 | E2-8     |
| A 21 | E2-6     | A 48 | E2-8     | A 73 | E2-8     | Y 4  | E2-12    |
| A 26 | E2-8     | A 54 | E2-8     | A 74 | E2-8     |      |          |
| A 41 | E2-6     | A 55 | E2-8     | A 75 | E2-8     |      |          |

**RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1B   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AO3  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE        |
| XO1  | E2-12    | HOOD MAIN WIRE to SIDE LH WIRE        |
| YO2  | E2-12    | HOOD SUB NO.1 WIRE to SIDE LH WIRE    |
| YX2  | E2-12    | HOOD SUB NO.1 WIRE to HOOD MAIN WIRE  |

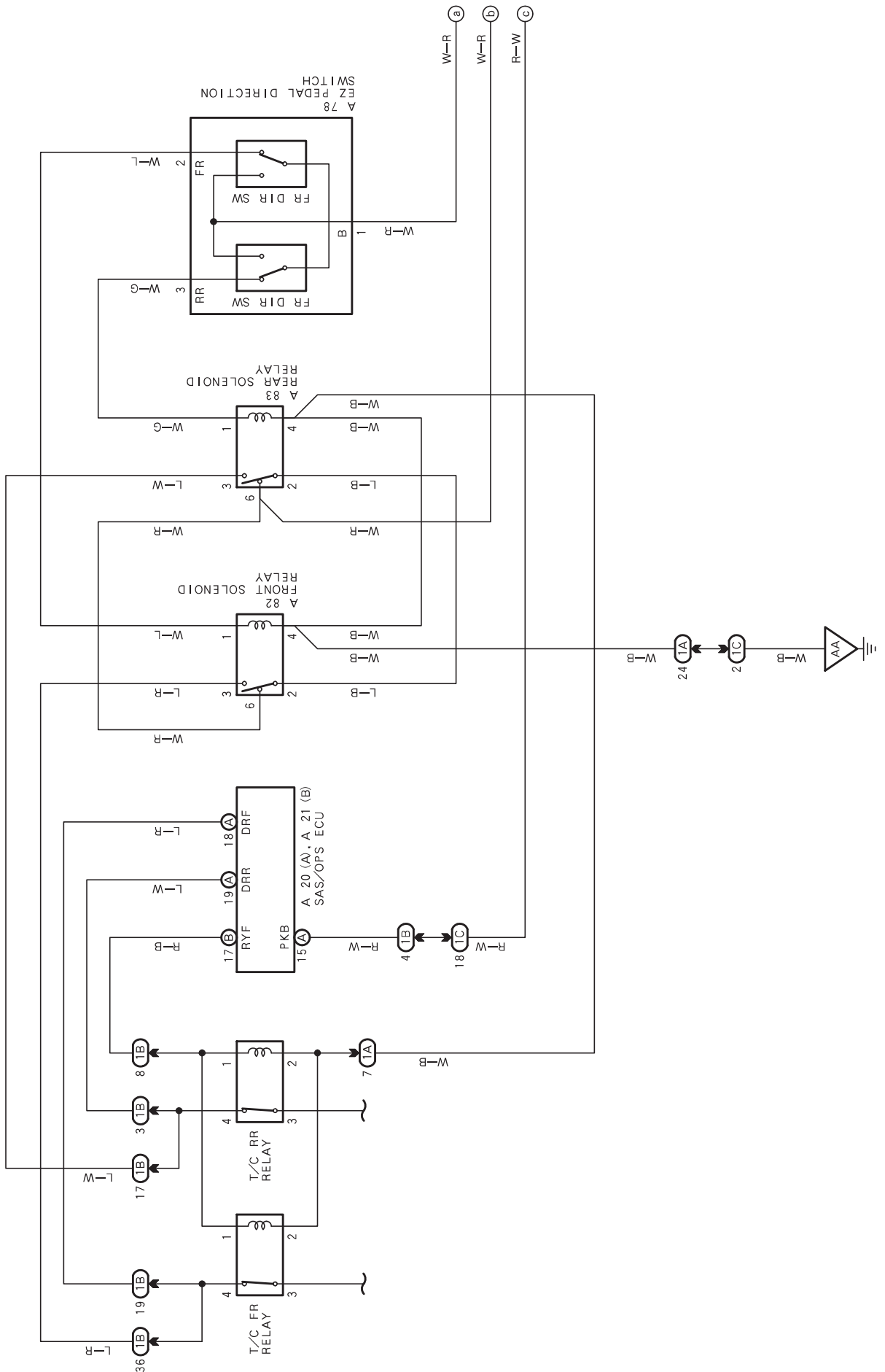
**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| AD   | E2-8     | TRANSMISSION UPPER EARTH       |

MEMO

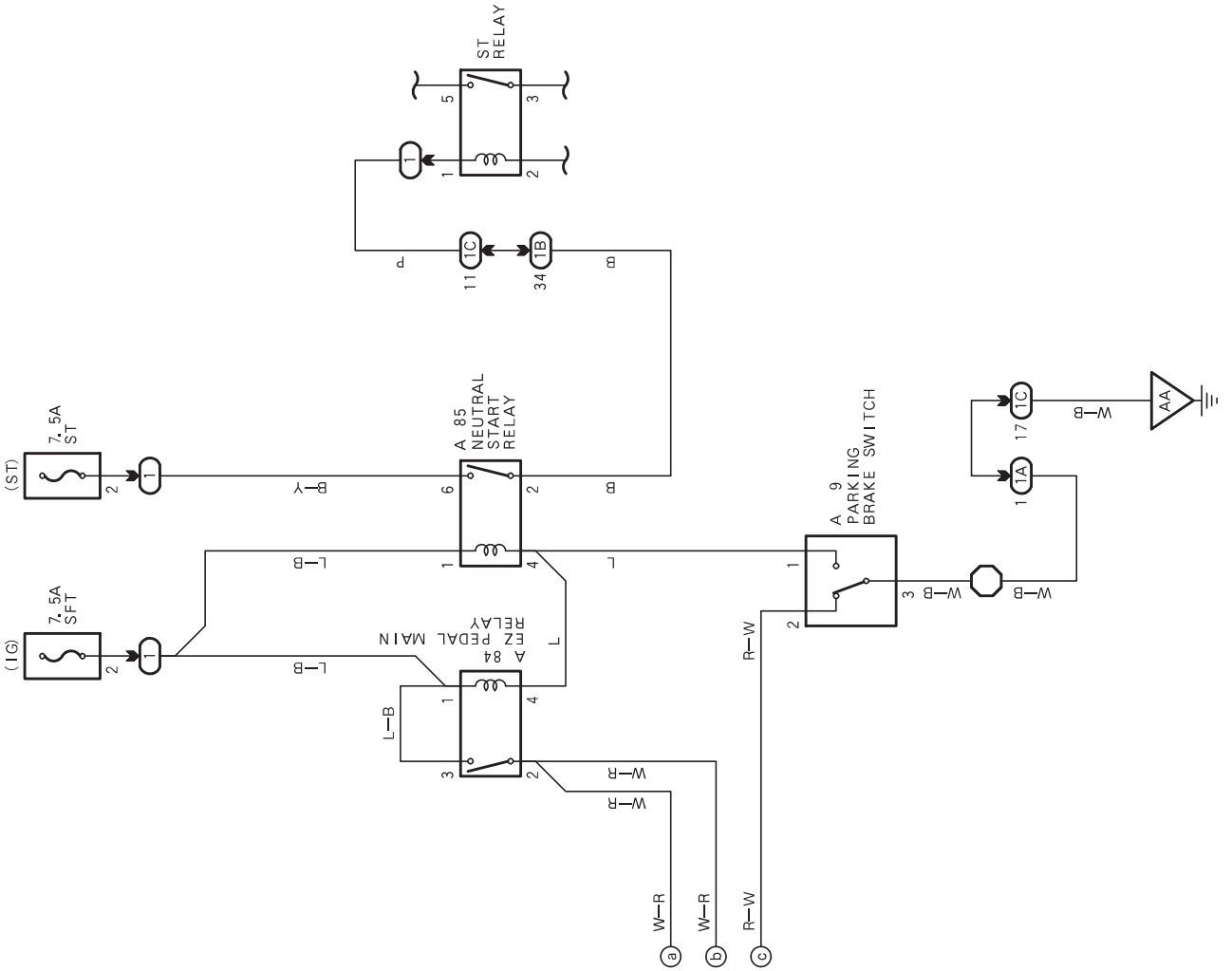
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EZ PEDAL





EZ PEDAL



## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 9  | E2-6     | A 21 | E2-6     | A 82 | E2-8     | A 84 | E2-8     |
| A 20 | E2-6     | A 78 | E2-6     | A 83 | E2-8     | A 85 | E2-8     |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1B   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |

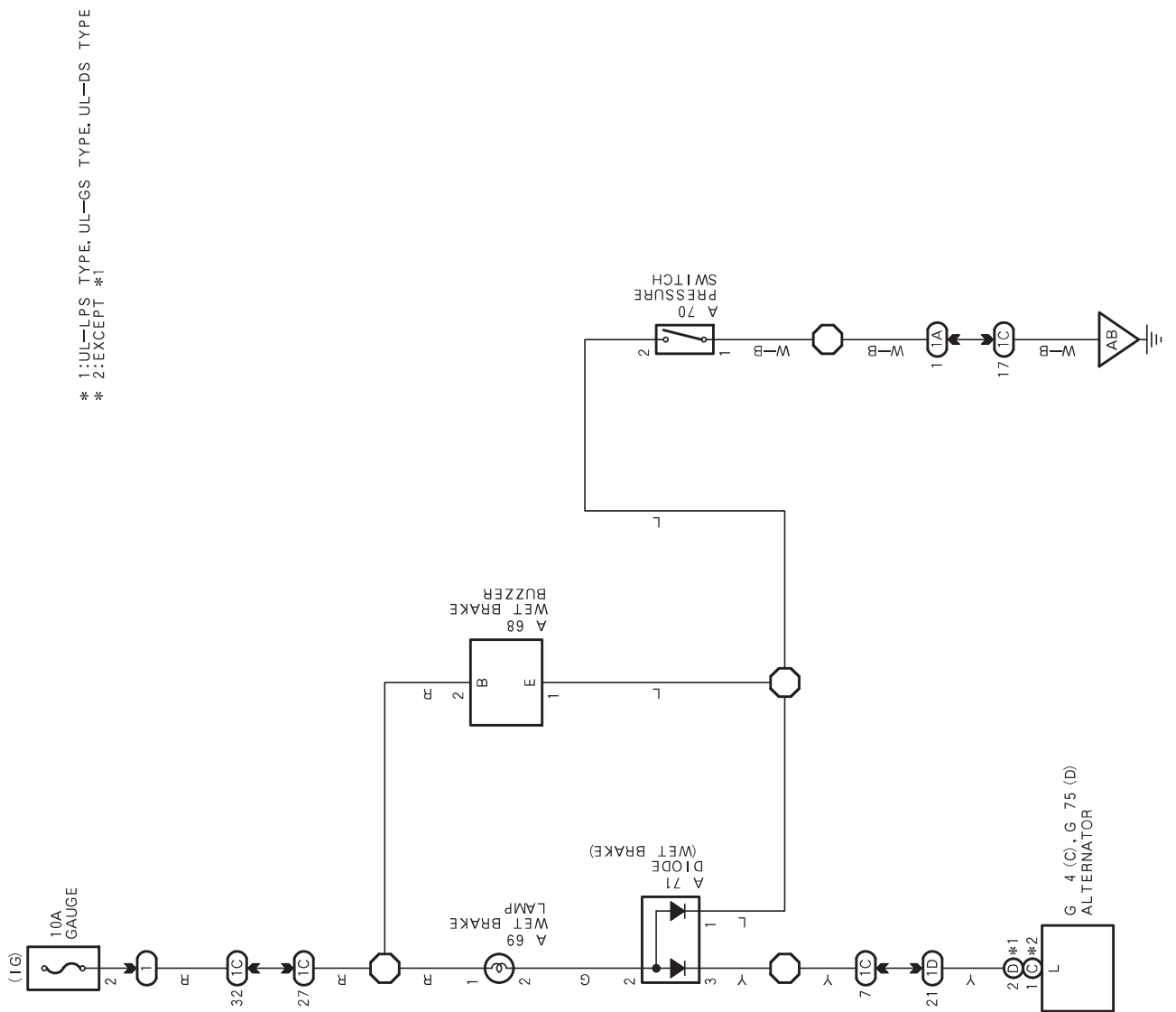
## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |

MEMO

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WET BRAKE



## WET BRAKE

## PARTS

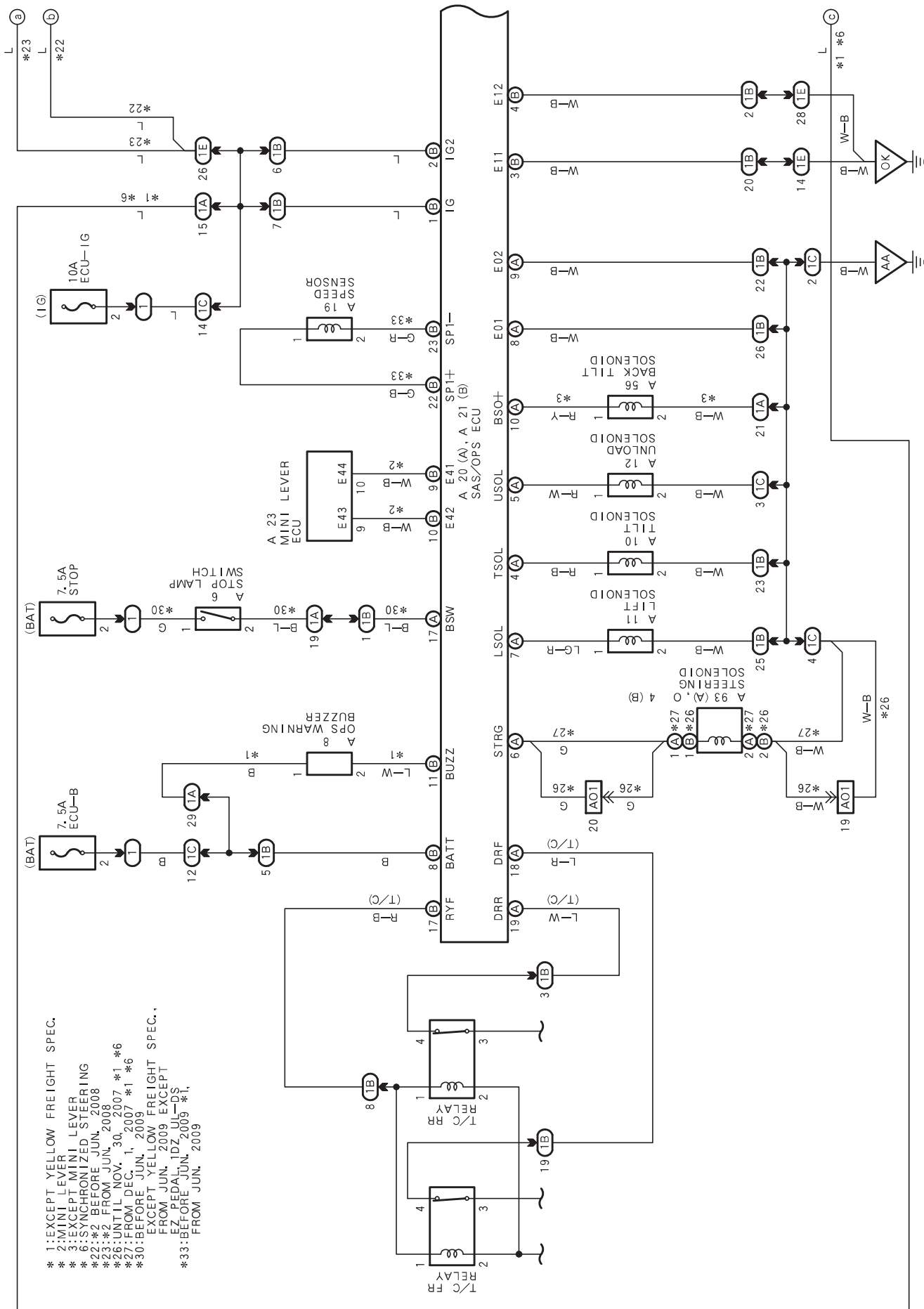
| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 68 | E2-6     | A 70 | E2-6     | G 4  | E2-2,4   |      |          |
| A 69 | E2-6     | A 71 | E2-8     | G 75 | E2-2,4   |      |          |

## RELAY BLOCK , JUNCTION BLOCK

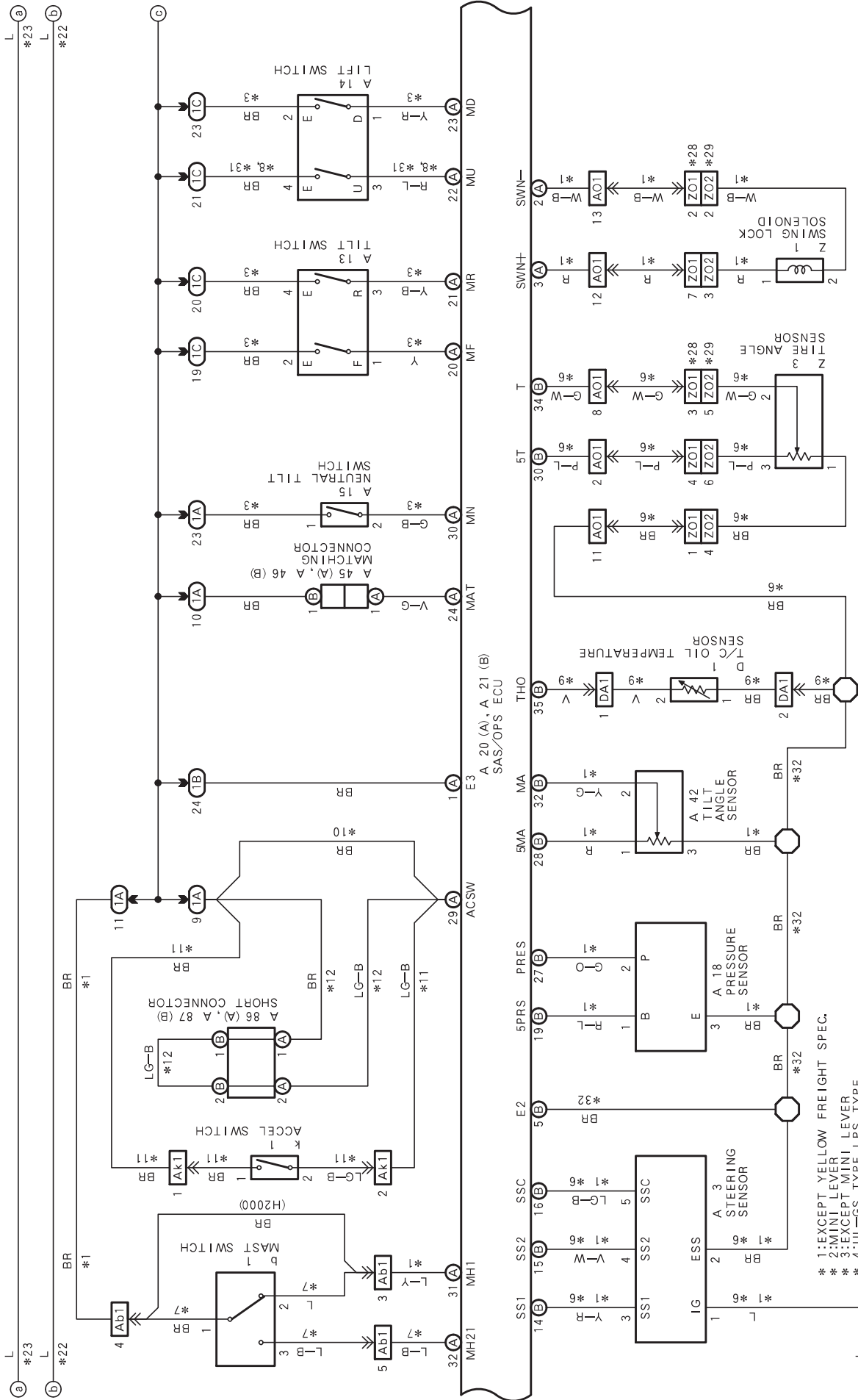
| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1D   | E2-8,18  | ENGINE WIRE to J/B                              |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AB   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |

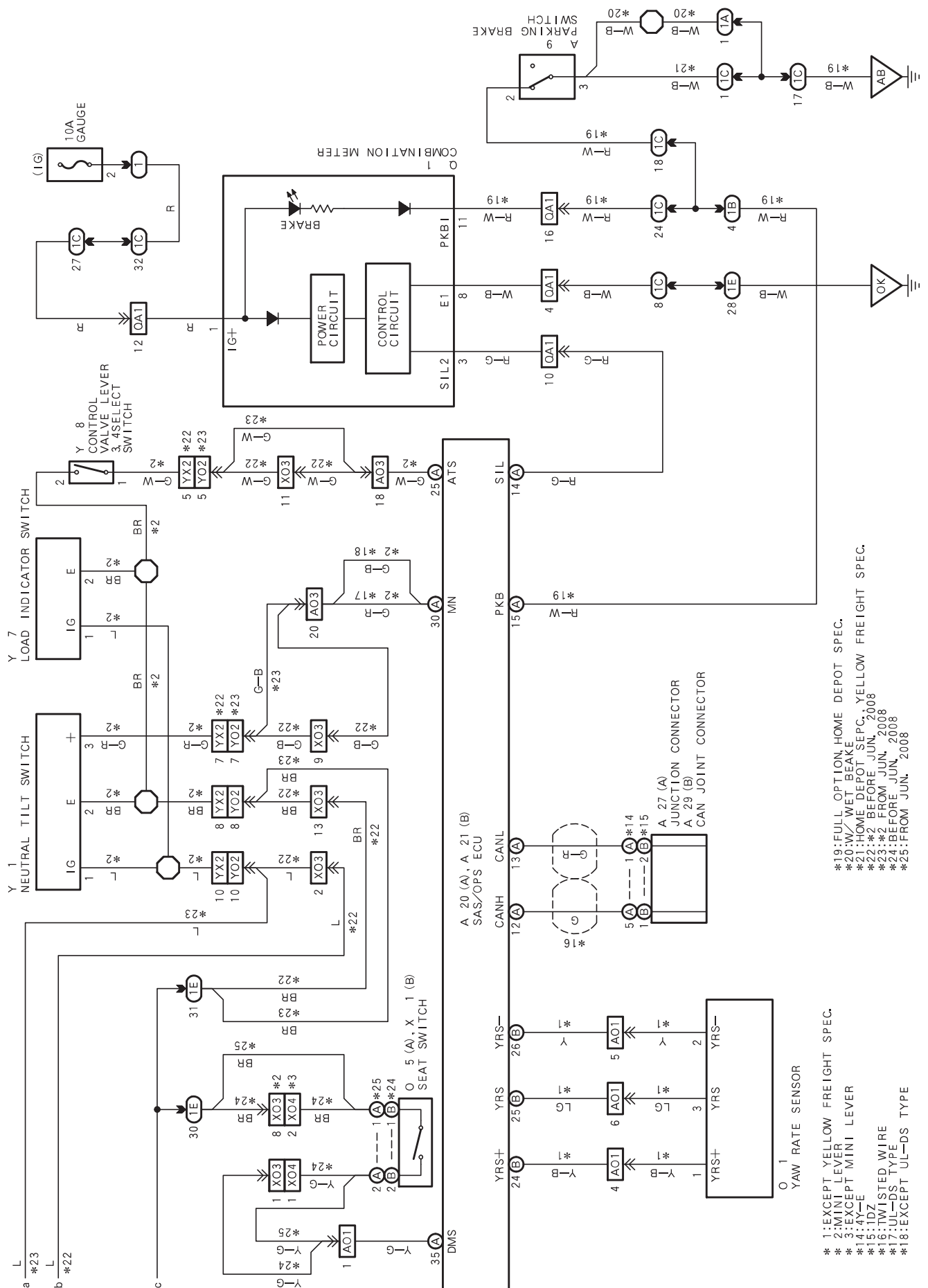


- \* 1: EXCEPT YELLOW FREIGHT SPEC.
- \* 2: MINI LEVER
- \* 3: EXCEPT MINI LEVER
- \* 6: SYNCHRONIZED STEERING
- \* 22: \*2 BEFORE JUN. 2008
- \* 23: \*2 FROM JUN. 30, 2007 \*1 \*6
- \* 29: MINI LEVER
- \* 30: EXCEPT YELLOW FREIGHT SPEC., FROM JUN. 2009 EXCEPT YELLOW FREIGHT SPEC.
- \* 33: EXCEPT YELLOW FREIGHT SPEC., FROM JUN. 2009 EXCEPT YELLOW FREIGHT SPEC.



- \*1: EXCEPT YELLOW FREIGHT SPEC.
- \*2: MINI LEVER, LPS TYPE
- \*3: EXCEPT H2000
- \*4: EXCEPT H2000
- \*5: EXCEPT H2000
- \*6: EXCEPT H2000
- \*7: EXCEPT H2000
- \*8: HOME DEPOT SPEC. EXCEPT MINI LEVER, BEFORE JUN. 2009, FULL OPTION
- \*9: EXCEPT MINI LEVER, BEFORE JUN. 2009, FULL OPTION
- \*10: EZ PEDAL 4Y-E STANDARD
- \*11: EZ PEDAL 1DZ STANDARD
- \*12: EZ PEDAL 1DZ W/ SAS-2
- \*23: #2 BEFORE JUN. 2008
- \*28: #2 BEFORE OCT. 2008
- \*29: #2 BEFORE OCT. 2008
- \*31: FROM JUN. 2009 W/ ASC EXCEPT MINI LEVER, FROM JUN. 2009
- \*32: EXCEPT BEFORE JUN. 2009 YELLOW FREIGHT SPEC.

Revised September 15, 2009



\*19: FULL OPTION, HOME DEPOT SPEC.  
 \*20: W/ WET BRAKE  
 \*21: HOME DEPOT SEPC., YELLOW FREIGHT SPEC.  
 \*22: \*2 BEFORE JUN, 2008  
 \*23: \*2 FROM JUN, 2008  
 \*24: BEFORE JUN, 2008  
 \*25: FROM JUN, 2008

\*1: EXCEPT YELLOW FREIGHT SPEC.  
 \*2: MINI LEVER  
 \*3: EXCEPT MINI LEVER  
 \*14: 4Y-E  
 \*15: 1DZ  
 \*16: TWISTED WIRE  
 \*17: UL-DS TYPE  
 \*18: EXCEPT UL-DS TYPE



**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 3  | E2-6     | A 18 | E2-6     | A 56 | E2-6     | Y 1  | E2-12    |
| A 6  | E2-6     | A 19 | E2-6     | A 86 | E2-6     | Y 7  | E2-12    |
| A 8  | E2-6     | A 20 | E2-6     | A 87 | E2-6     | Y 8  | E2-12    |
| A 9  | E2-6     | A 21 | E2-6     | A 93 | E2-6,8   | Z 1  | E2-12    |
| A 10 | E2-6     | A 23 | E2-6     | D 1  | E2-8     | Z 3  | E2-12    |
| A 11 | E2-6     | A 27 | E2-8     | O 1  | E2-12    | b 1  | E2-10    |
| A 12 | E2-6     | A 29 | E2-8,19  | O 4  | E2-12    | k 1  | E2-6     |
| A 13 | E2-6     | A 42 | E2-6     | O 5  | E2-12    |      |          |
| A 14 | E2-6     | A 45 | E2-8     | Q 1  | E2-6     |      |          |
| A 15 | E2-6     | A 46 | E2-8     | X 1  | E2-12    |      |          |

**RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1B   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

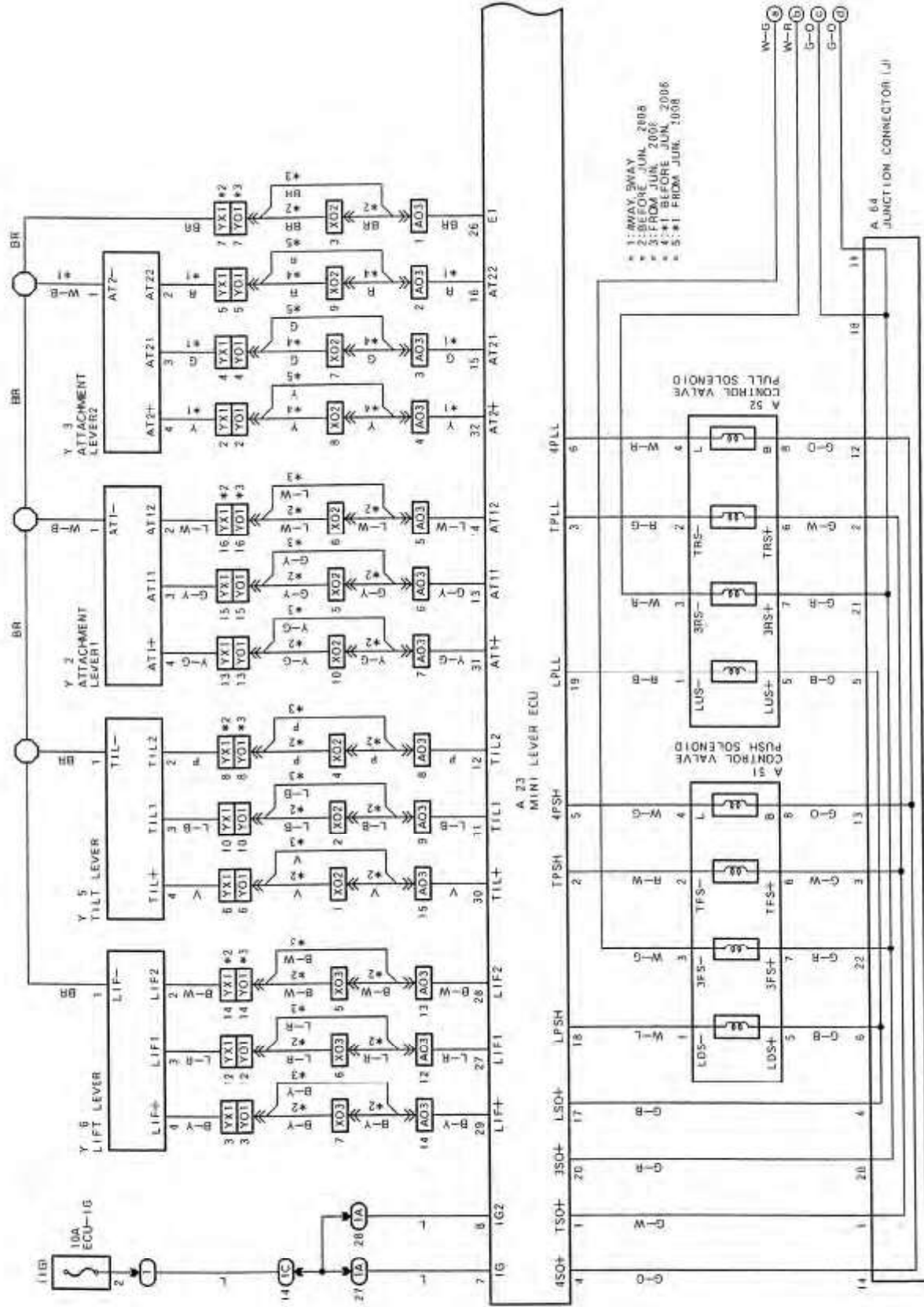
**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness    |
|------|----------|--|
| AO1  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE           |
| AO3  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE           |
| Ab1  | E2-10    | BODY MAIN WIRE to MAST SENSOR WIRE       |
| Ak1  | E2-6     | BODY MAIN WIRE to EZ PEDAL LIMIT SW WIRE |
| DA1  | E2-8     | T/C HEAT GAUGE WIRE to BODY MAIN WIRE    |
| QA1  | E2-6     | INSTRUMENT PANEL WIRE to BODY MAIN WIRE  |
| XO3  | E2-12    | HOOD MAIN WIRE to SIDE LH WIRE           |
| XO4  | E2-12    | HOOD MAIN WIRE to SIDE LH WIRE           |
| YO2  | E2-12    | HOOD SUB NO.1 WIRE to SIDE LH WIRE       |
| YX2  | E2-12    | HOOD SUB NO.1 WIRE to HOOD MAIN WIRE     |
| ZO1  | E2-12    | RR LWR WIRE to SIDE LH WIRE              |
| ZO2  | E2-12    | RR LWR WIRE to SIDE LH WIRE              |

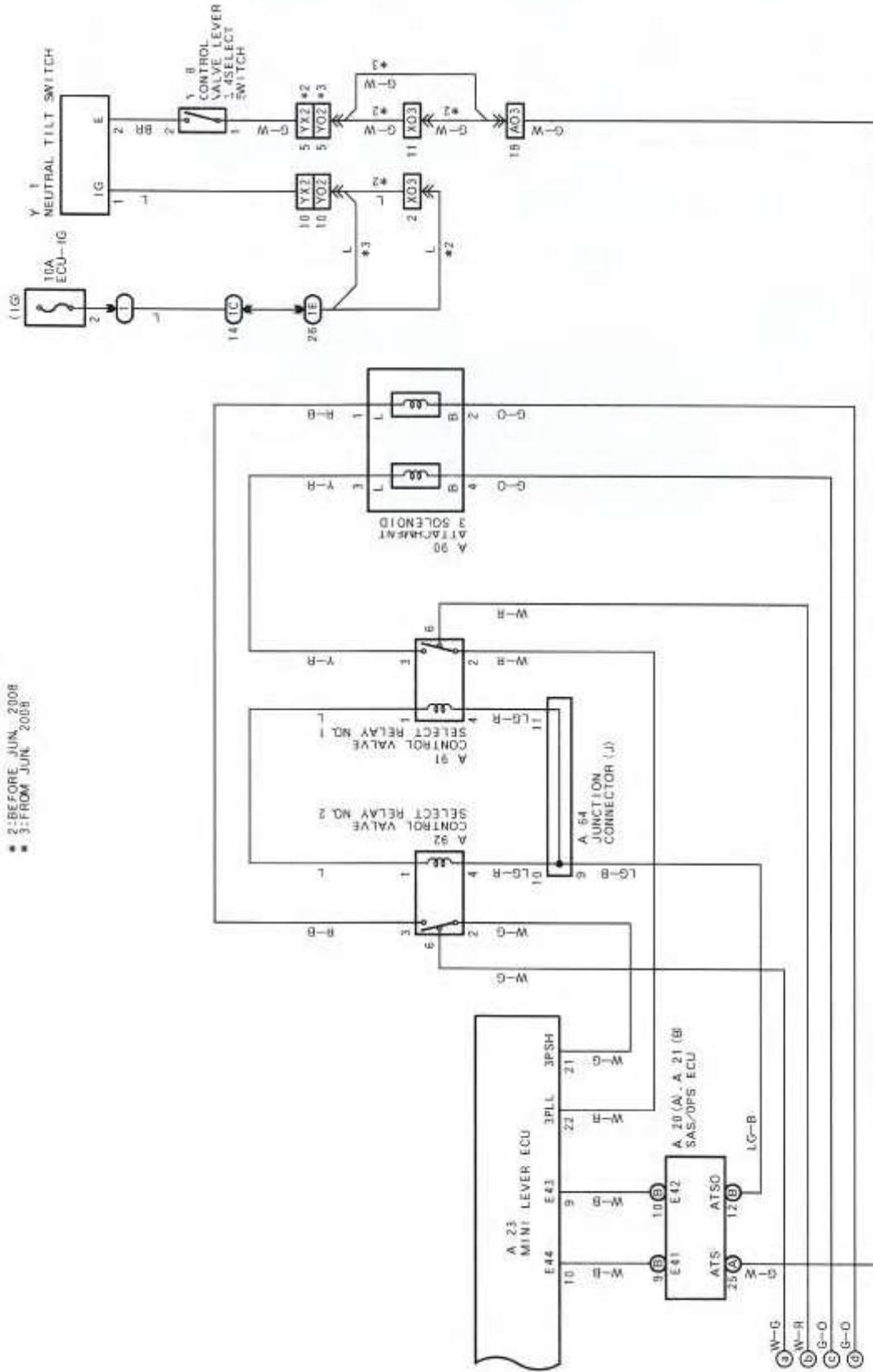
**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| AB   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| OK   | E2-12    | REAR PILLAR LEFT UNDER EARTH   |

MINI LEVER (W/ 5WAY VALVES)



MINI LEVER (W/ 5WAY VALVES)



■ 2: BEFORE JUN. 2008  
 ■ 3: FROM JUN. 2008

**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A20  | E2-6     | A52  | E2-6     | A92  | E2-6     | Y5   | E2-12    |
| A21  | E2-6     | A64  | E2-8     | Y1   | E2-12    | Y6   | E2-12    |
| A23  | E2-6     | A90  | E2-6     | Y2   | E2-12    | Y8   | E2-12    |
| A51  | E2-6     | A91  | E2-6     | Y3   | E2-12    |      |          |

**RELAY BLOCK, JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8, 17 | ENGINE ROOM R/B                                 |
| 1A   | E2-8, 18 | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8, 18 | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8, 18 | SIDE LH WIRE to J/B                             |

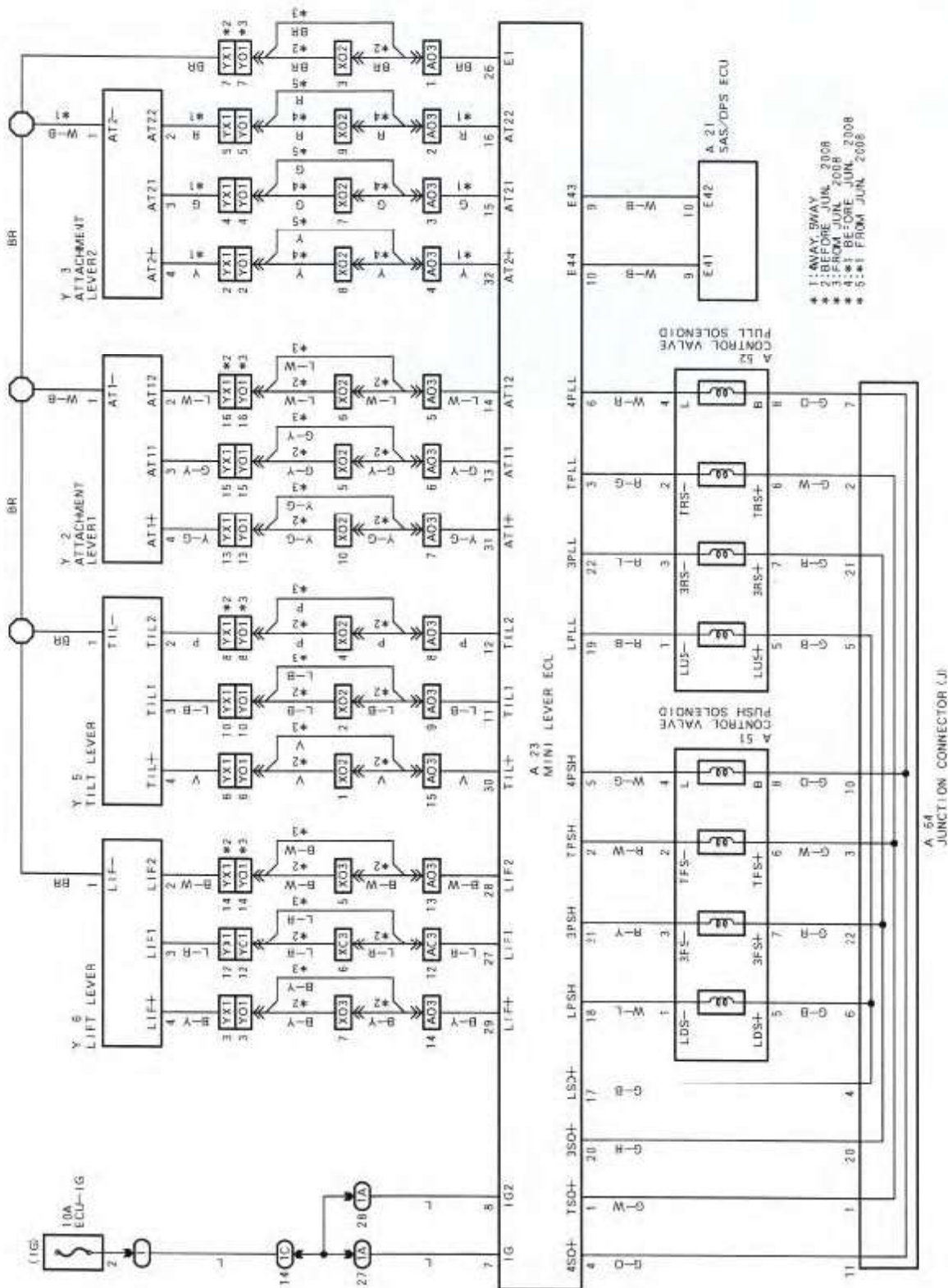
**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AO3  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE        |
| XO2  | E2-12    | HOOD MAIN WIRE to SIDE LH WIRE        |
| XO3  | E2-12    | HOOD MAIN WIRE to SIDE LH WIRE        |
| YO1  | E2-12    | HOOD SUB NO. 1 WIRE to SIDE LH WIRE   |
| YO2  | E2-12    | HOOD SUB NO. 1 WIRE to SIDE LH WIRE   |
| YX1  | E2-12    | HOOD SUB NO. 1 WIRE to HOOD MAIN WIRE |
| YX2  | E2-12    | HOOD SUB NO. 1 WIRE to HOOD MAIN WIRE |

MEMO

---

# MINI LEVER (W/O 5WAY VALVES)



## MINI LEVER (W/O 5WAY VALVES)

## PARTS

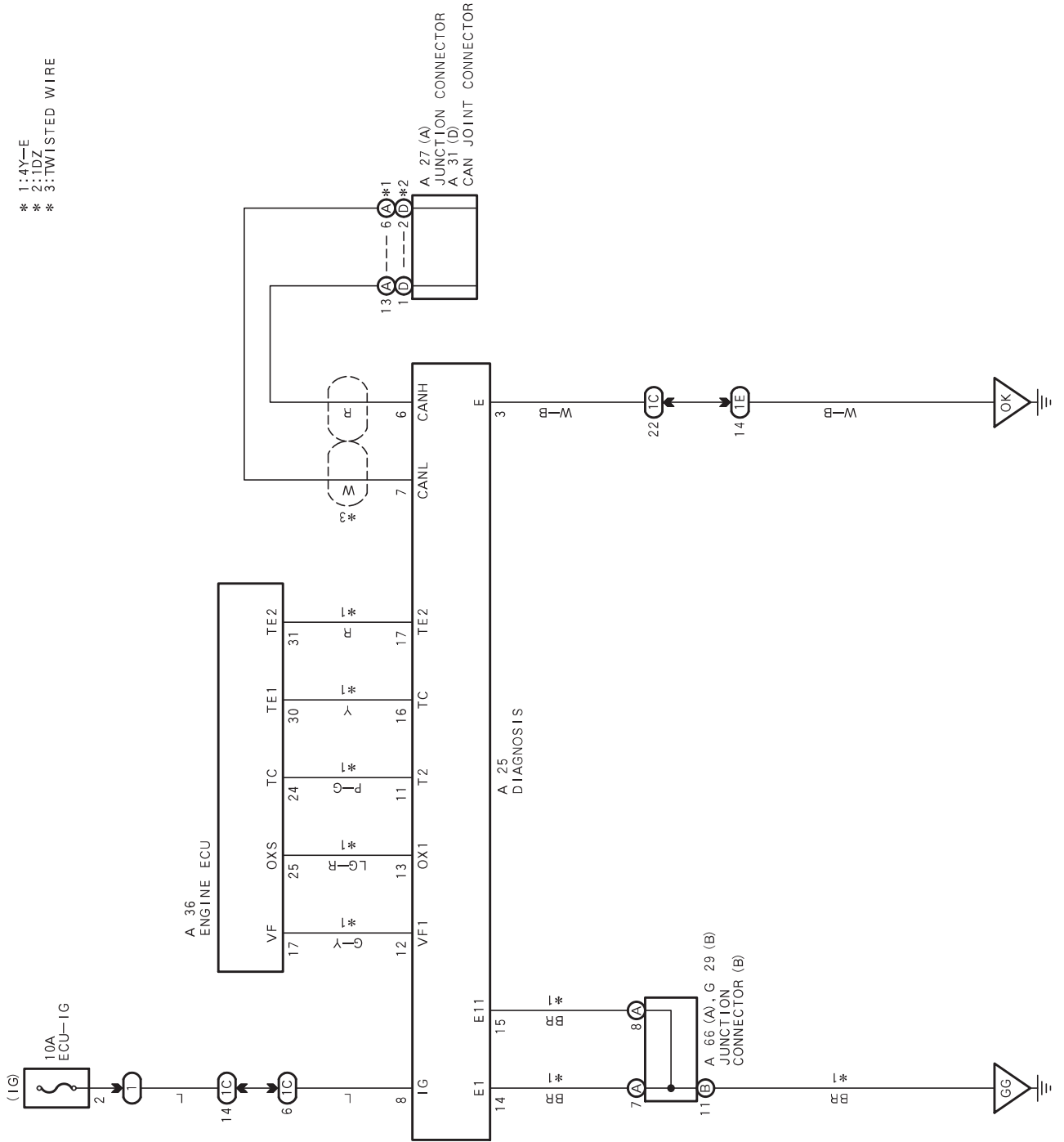
| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A21  | E2-6     | A52  | E2-6     | Y3   | E2-12    |      |          |
| A23  | E2-6     | A64  | E2-8     | Y5   | E2-12    |      |          |
| A51  | E2-6     | Y2   | E2-12    | Y6   | E2-12    |      |          |

## RELAY BLOCK, JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8, 17 | ENGINE ROOM R/B                                 |
| 1A   | E2-8, 18 | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8, 18 | BODY MAIN WIRE to J/B                           |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AO3  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE        |
| XO2  | E2-12    | HOOD MAIN WIRE to SIDE LH WIRE        |
| XO3  | E2-12    | HOOD MAIN WIRE to SIDE LH WIRE        |
| YO1  | E2-12    | HOOD SUB NO. 1 WIRE to SIDE LH WIRE   |
| YX1  | E2-12    | HOOD SUB NO. 1 WIRE to HOOD MAIN WIRE |





## DIAG

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 25 | E2-8     | A 31 | E2-8,19  | A 66 | E2-8     |      |          |
| A 27 | E2-8     | A 36 | E2-8     | G 29 | E2-8     |      |          |

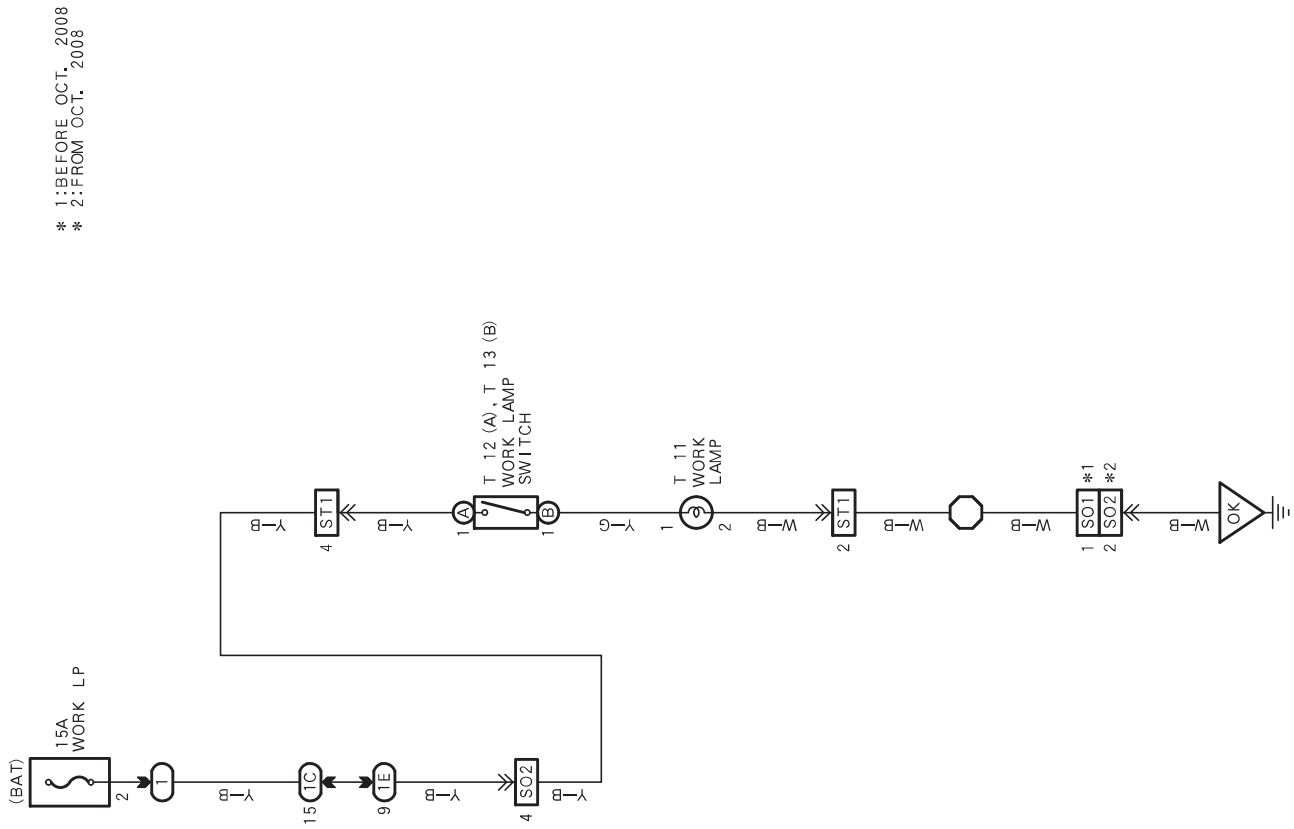
## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

## EARTH

| Code | See Page | Name                         |
|------|----------|------------------------------|
| GG   | E2-2     | ENGINE UPPER EARTH           |
| OK   | E2-12    | REAR PILLAR LEFT UNDER EARTH |

# REAR WORKING LAMP



\* 1: BEFORE OCT. 2008  
\* 2: FROM OCT. 2008

**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| T 11 | E2-14    | T 12 | E2-14    | T 13 | E2-14    |      |          |

**RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

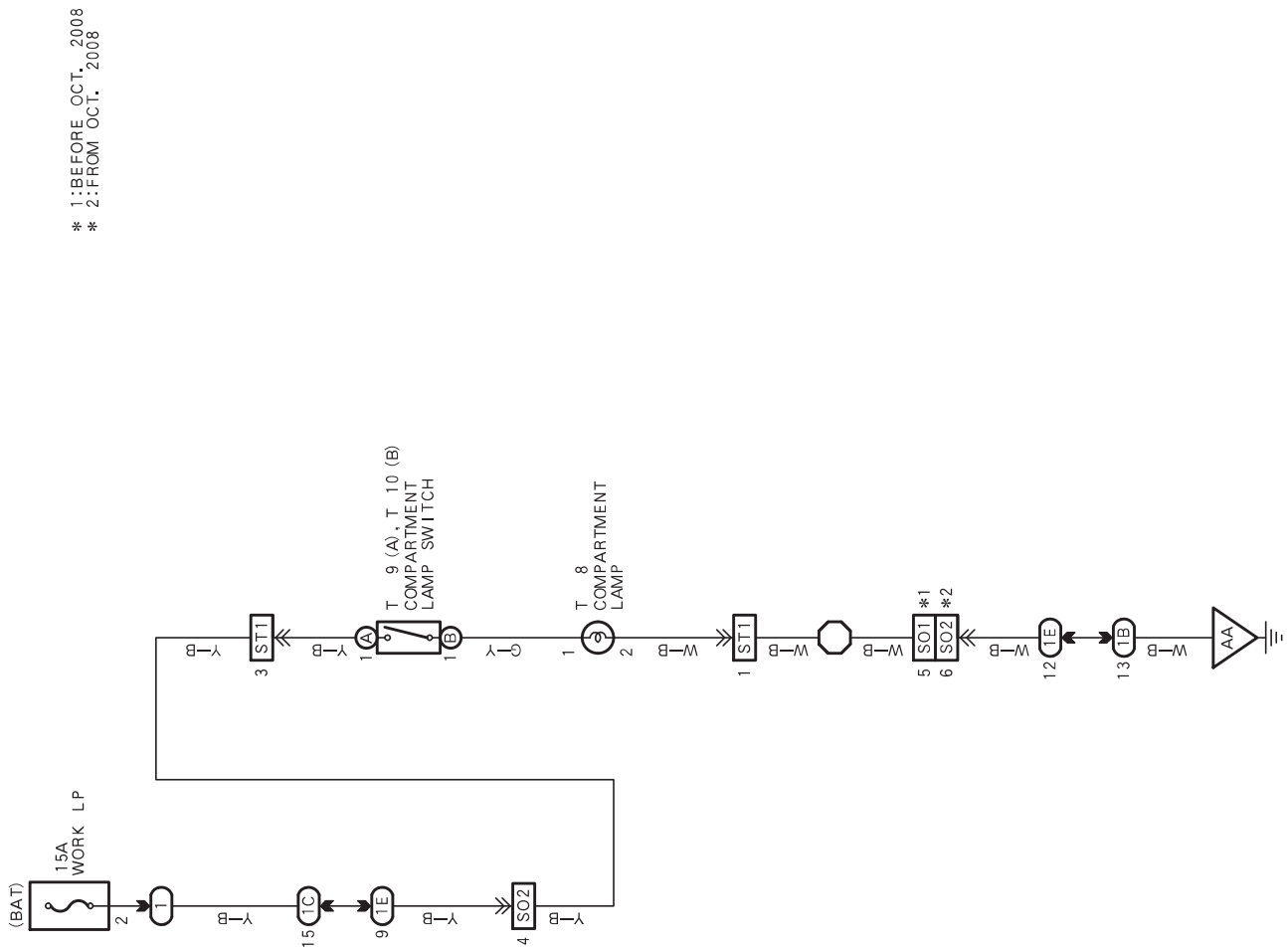
**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness  |
|------|----------|--|
| SO1  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE       |
| SO2  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE       |
| ST1  | E2-14    | RR UPR MAIN WIRE to RR UPR SUB RH WIRE |

**EARTH**

| Code | See Page | Name                         |
|------|----------|------------------------------|
| OK   | E2-12    | REAR PILLAR LEFT UNDER EARTH |

# COMPARTMENT LAMP



\* 1: BEFORE OCT. 2008  
\* 2: FROM OCT. 2008

**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| T 8  | E2-14    | T 9  | E2-14    | T 10 | E2-14    |      |          |

**RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1B   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

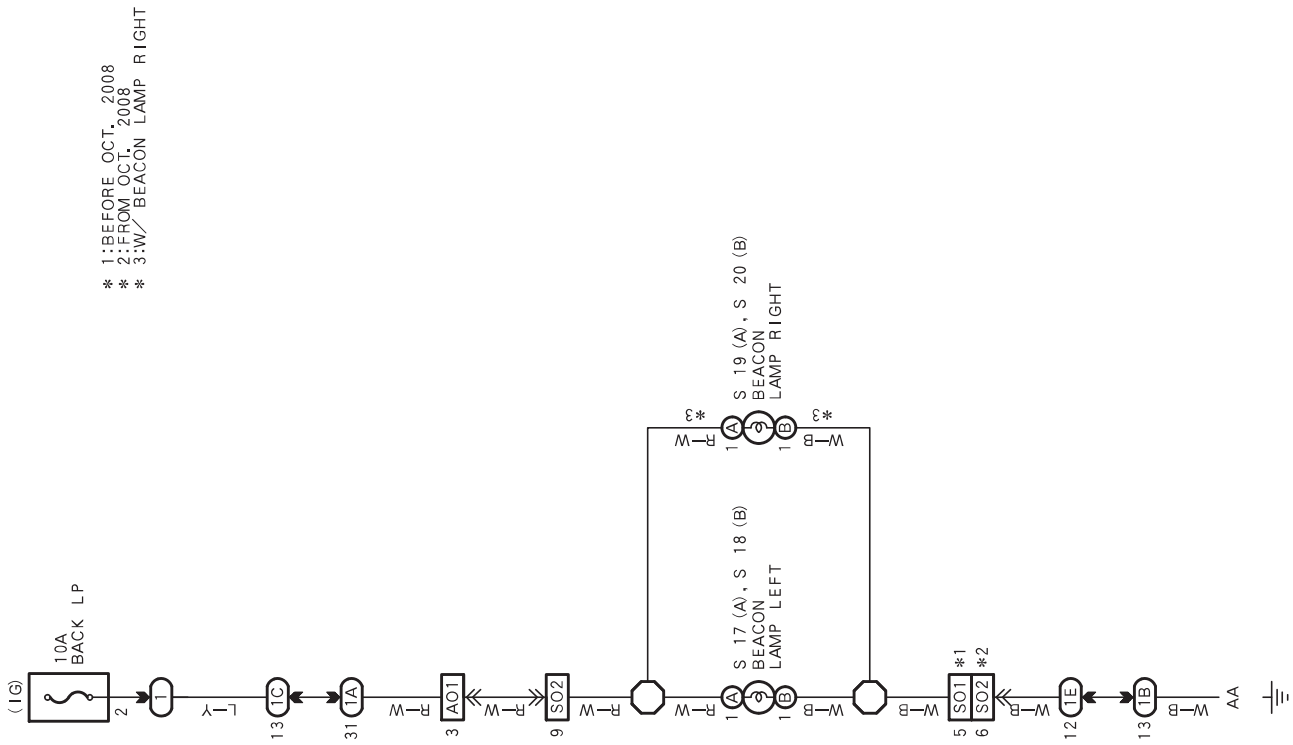
**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness  |
|------|----------|--|
| SO1  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE       |
| SO2  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE       |
| ST1  | E2-14    | RR UPR MAIN WIRE to RR UPR SUB RH WIRE |

**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |

STROBE LIGHT



**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| S 17 | E2-12    | S 18 | E2-12    | S 19 | E2-12    | S 20 | E2-12    |

**RELAY BLOCK , JUNCTION BLOCK**

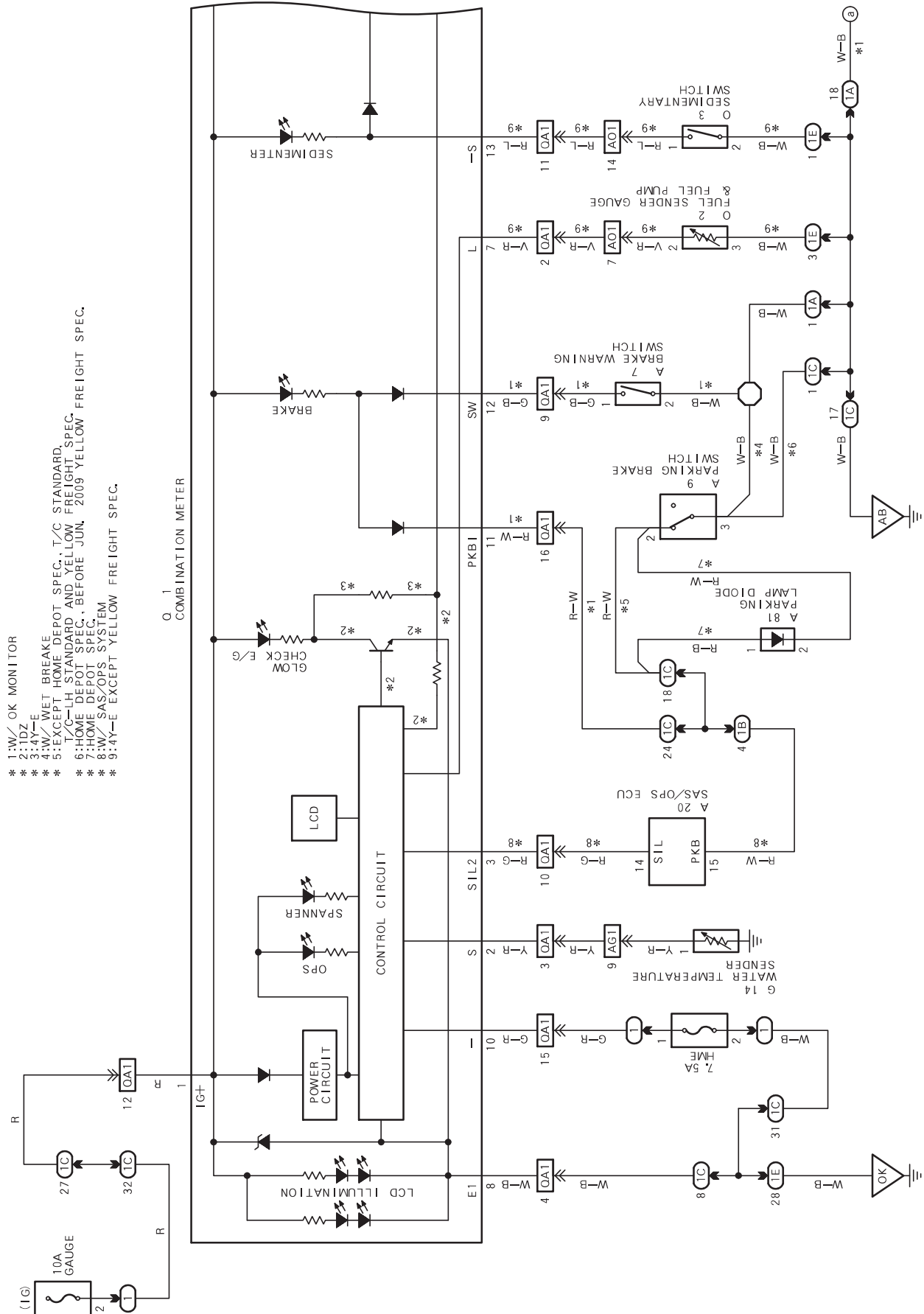
| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1B   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AO1  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE        |
| SO1  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| SO2  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE      |

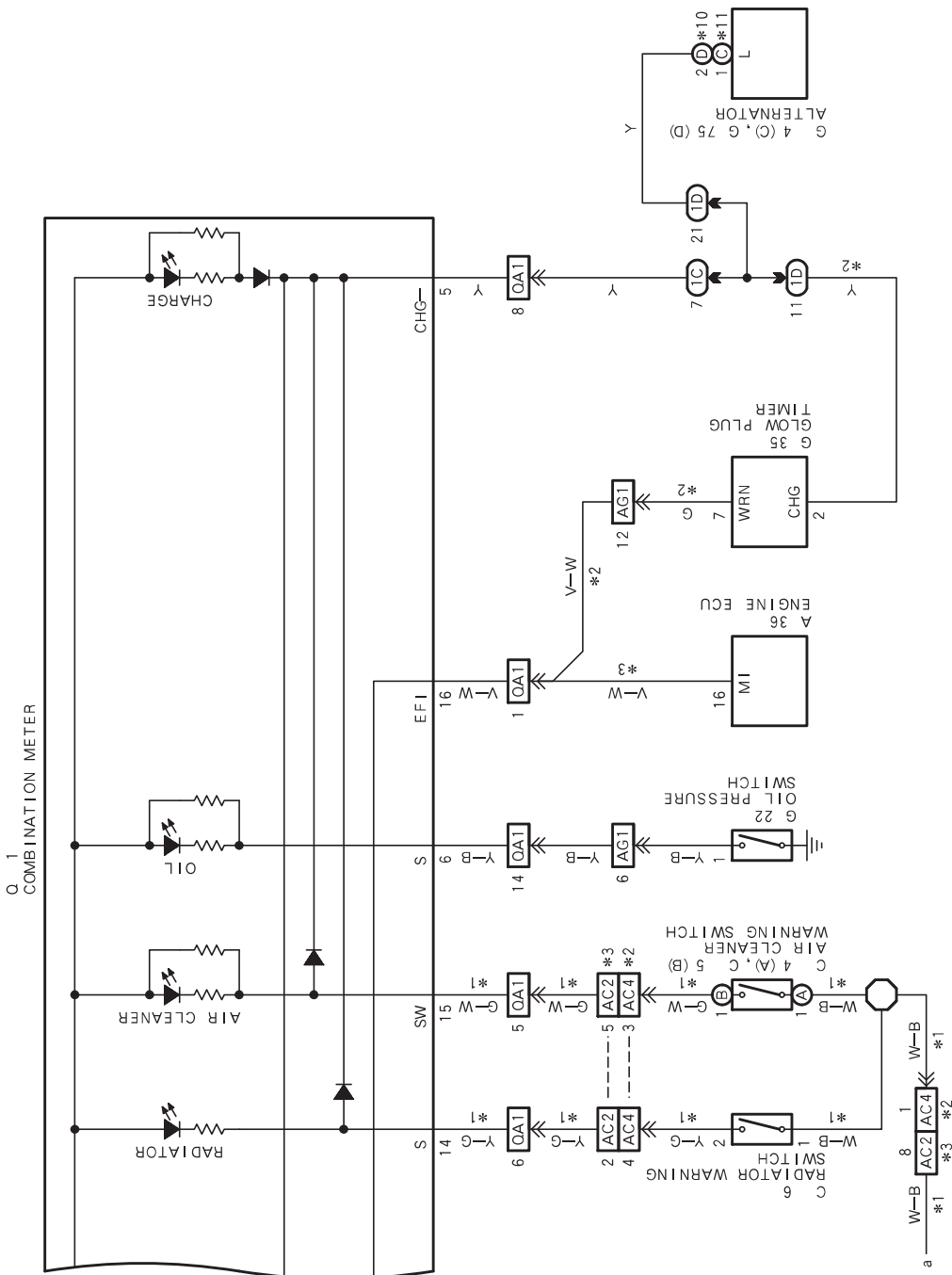
**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |





- \* 1:W/ OK MONITOR
- \*\* 2:IDZ
- \*\* 3:4Y-E
- \*\* 10:UL-LPS TYPE, UL-GS TYPE, UL-DS TYPE
- \*\* 11:EXCEPT \*10



**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 7  | E2-6     | A 81 | E2-8     | G 4  | E2-2,4   | G 75 | E2-2,4   |
| A 9  | E2-6     | C 4  | E2-14    | G 14 | E2-2     | O 2  | E2-12    |
| A 20 | E2-6     | C 5  | E2-14    | G 22 | E2-2,4   | O 3  | E2-12    |
| A 36 | E2-8     | C 6  | E2-14    | G 35 | E2-8     | Q 1  | E2-6     |

**RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1B   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1D   | E2-8,18  | ENGINE WIRE to J/B                              |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

**WIRE TO WIRE**

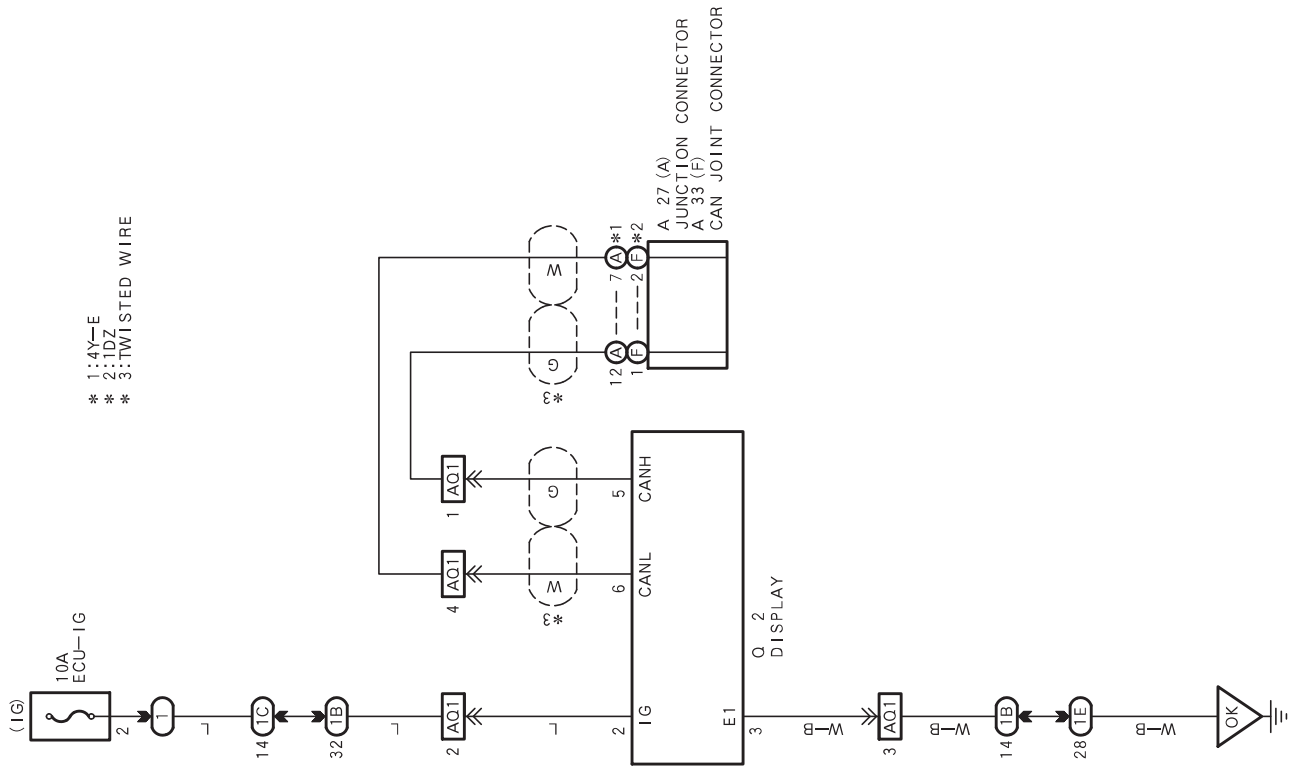
| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AC2  | E2-8     | BODY MAIN WIRE to SIDE RH WIRE          |
| AC4  | E2-8     | BODY MAIN WIRE to SIDE RH WIRE          |
| AG1  | E2-8     | BODY MAIN WIRE to ENGINE WIRE           |
| AO1  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE          |
| QA1  | E2-6     | INSTRUMENT PANEL WIRE to BODY MAIN WIRE |

**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AB   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| OK   | E2-12    | REAR PILLAR LEFT UNDER EARTH   |

MEMO

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## MULTI DISPLAY

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 27 | E2-8     | A 33 | E2-8,19  | Q 2  | E2-6     |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1B   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

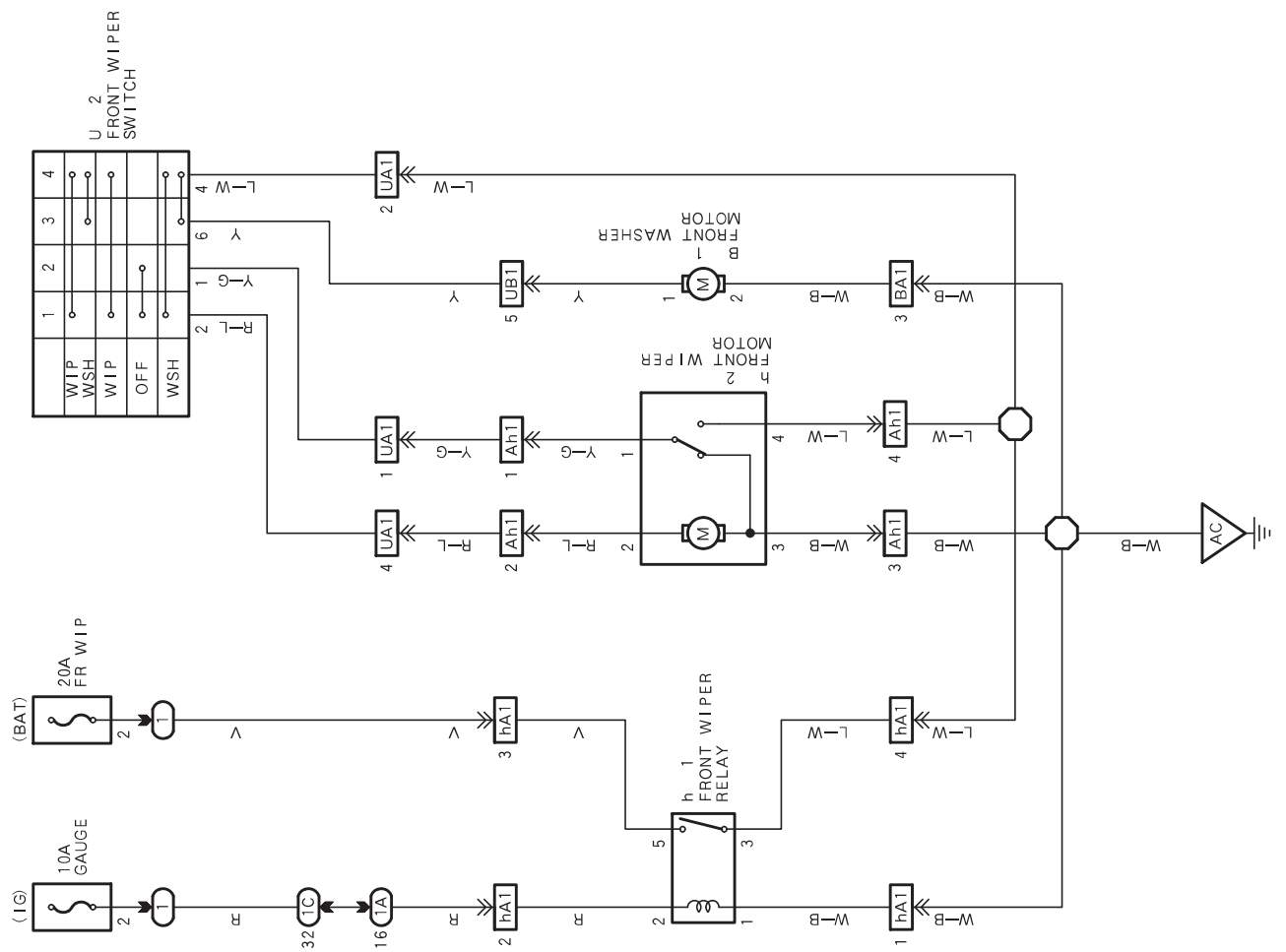
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AQ1  | E2-6     | BODY MAIN WIRE to INSTRUMENT PANEL WIRE |

## EARTH

| Code | See Page | Name                         |
|------|----------|------------------------------|
| OK   | E2-12    | REAR PILLAR LEFT UNDER EARTH |

FRONT WIPER & WASHER



## FRONT WIPER &amp; WASHER

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| B 1  | E2-14    | U 2  | E2-10    | h 1  | E2-6     | h 2  | E2-6     |

## RELAY BLOCK , JUNCTION BLOCK

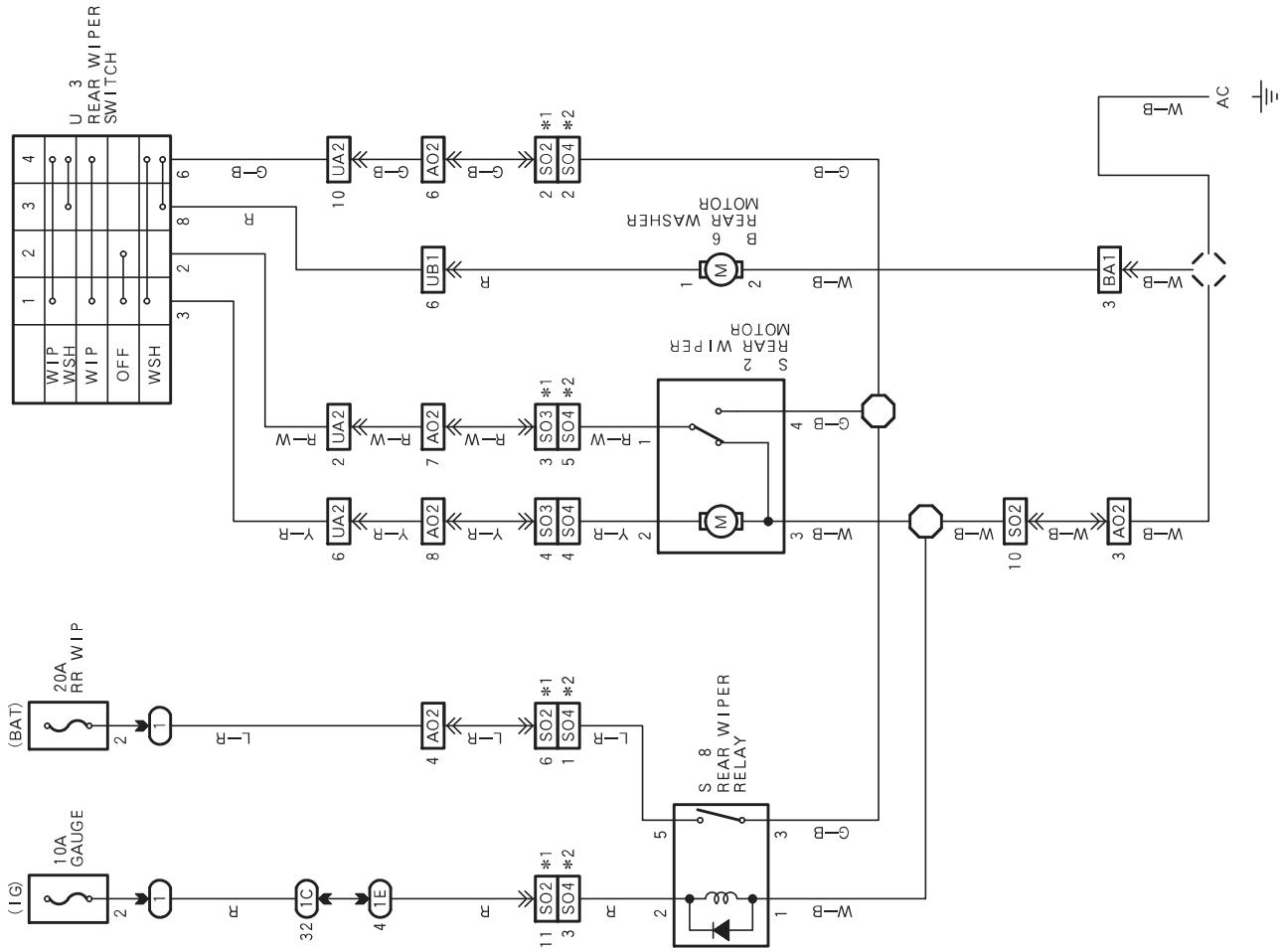
| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness    |
|------|----------|--|
| Ah1  | E2-6     | BODY MAIN WIRE to WIPER SUB WIRE         |
| BA1  | E2-10    | BODY SUB NO.1 WIRE to BODY MAIN WIRE     |
| UA1  | E2-10    | HEAD GUARD SW WIRE to BODY MAIN WIRE     |
| UB1  | E2-10    | HEAD GUARD SW WIRE to BODY SUB NO.1 WIRE |
| hA1  | E2-6     | WIPER SUB WIRE to BODY MAIN WIRE         |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AC   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |



\* 1: BEFORE OCT. 2008  
 \* 2: FROM OCT. 2008



**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| B 6  | E2-14    | S 2  | E2-12    | S 8  | E2-12    | U 3  | E2-10    |

**RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

**WIRE TO WIRE**

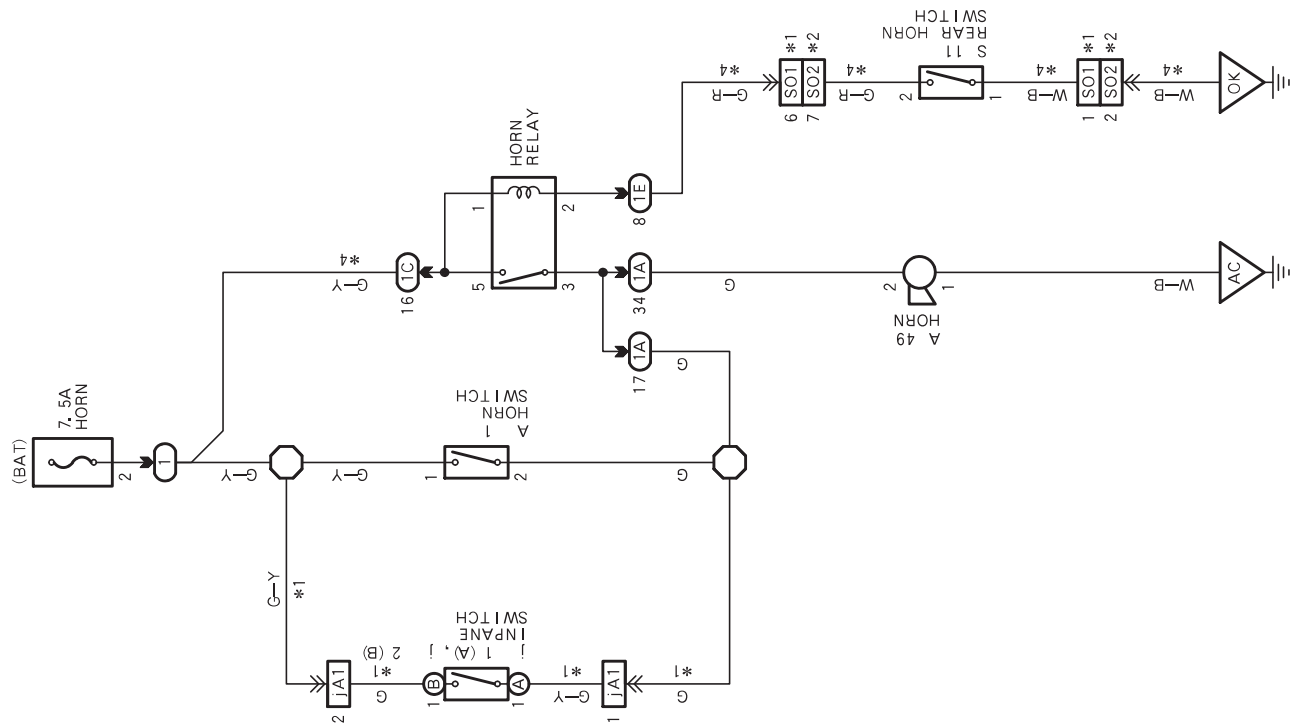
| Code | See Page | Joining Wire Harness and Wire Harness    |
|------|----------|--|
| AO2  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE           |
| BA1  | E2-10    | BODY SUB NO.1 WIRE to BODY MAIN WIRE     |
| SO2  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE         |
| SO3  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE         |
| SO4  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE         |
| UA2  | E2-10    | HEAD GUARD SW WIRE to BODY MAIN WIRE     |
| UB1  | E2-10    | HEAD GUARD SW WIRE to BODY SUB NO.1 WIRE |

**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AC   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |

HORN & W/ REAR HORN SWITCH

- \*\* 1: YELLOW FREIGHT SPEC.
- \*\* 2: BEFORE OCT. 2008
- \*\* 3: FROM OCT. 2008
- \*\* 4: W/ REAR HORN SWITCH



**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 1  | E2-6     | S 11 | E2-12    | j 2  | E2-6     |      |          |
| A 49 | E2-6     | j 1  | E2-6     |      |          |      |          |

**RELAY BLOCK , JUNCTION BLOCK**

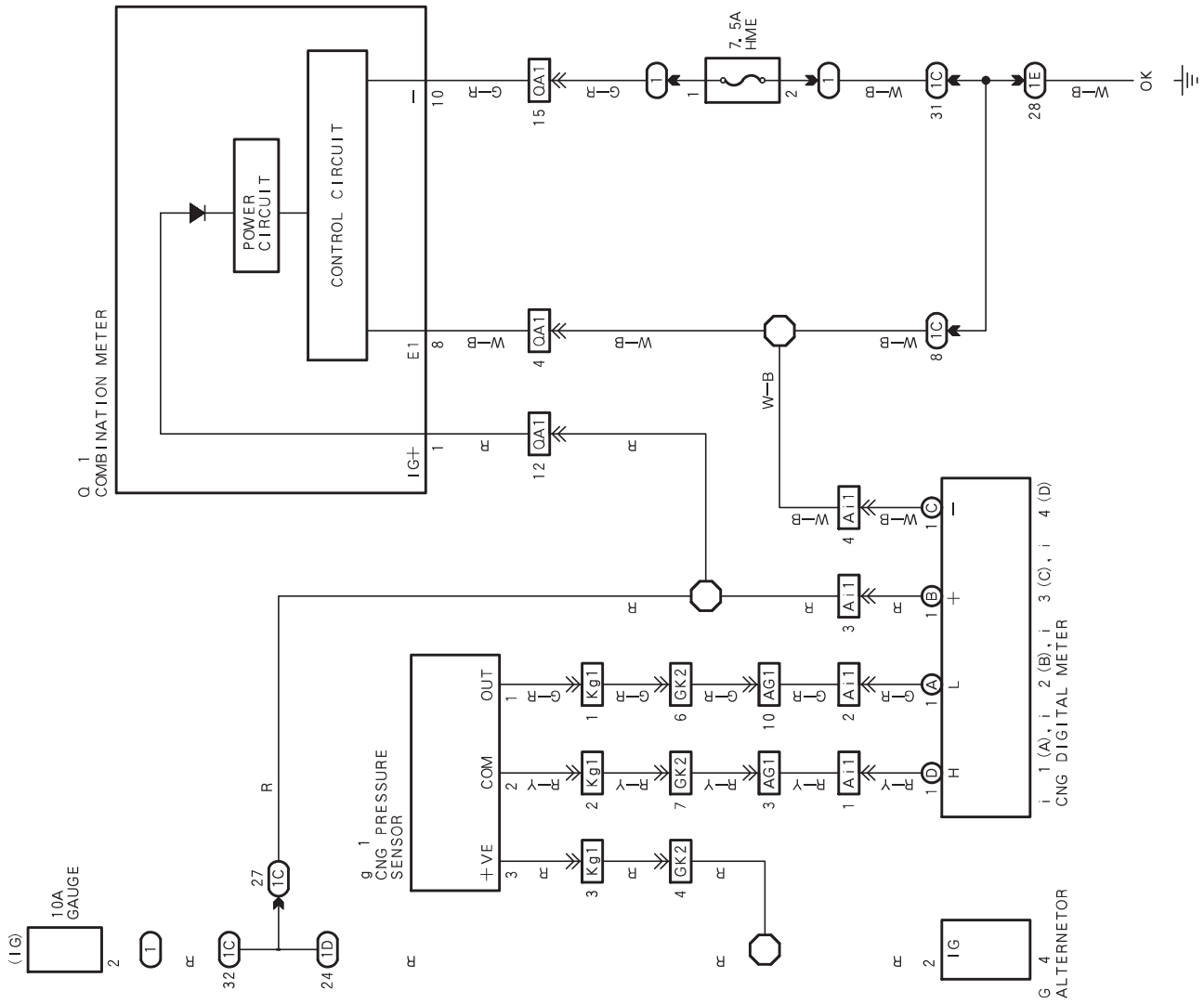
| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness      |
|------|----------|--|
| SO1  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE           |
| SO2  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE           |
| JA1  | E2-6     | INSTRUMENT PANEL SW WIRE to BODY MAIN WIRE |

**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AC   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| OK   | E2-12    | REAR PILLAR LEFT UNDER EARTH   |



**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| G 4  | E2-2,4   | g 1  | E2-2     | i 2  | E2-6     | i 4  | E2-6     |
| Q 1  | E2-6     | i 1  | E2-6     | i 3  | E2-6     |      |          |

**RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1D   | E2-8,18  | ENGINE WIRE to J/B                              |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

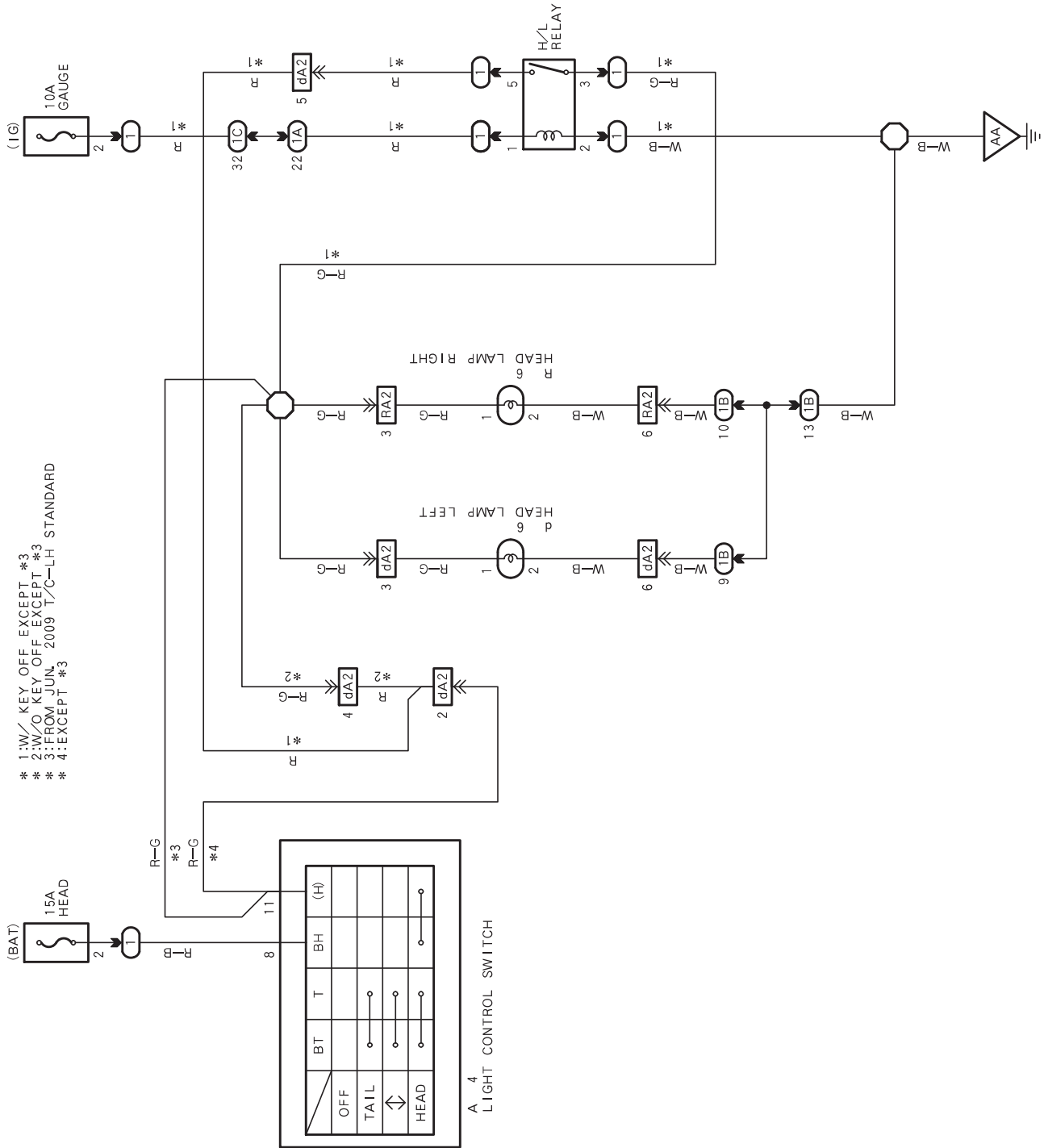
**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness       |
|------|----------|---|
| AG1  | E2-8     | BODY MAIN WIRE to ENGINE WIRE               |
| Ai1  | E2-6     | BODY MAIN WIRE to DIGITAL METER WIRE        |
| GK2  | E2-2     | ENGINE WIRE to ENGINE SUB WIRE              |
| Kg1  | E2-2     | ENGINE SUB WIRE TO CNG PRESSURE SENSOR WIRE |
| QA1  | E2-6     | INSTRUMENT PANEL WIRE to BODY MAIN WIRE     |

**EARTH**

| Code | See Page | Name                         |
|------|----------|------------------------------|
| OK   | E2-12    | REAR PILLAR LEFT UNDER EARTH |

HEAD LAMP



**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 4  | E2-6     | R 6  | E2-10    | d 6  | E2-10    |      |          |

**RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1B   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |

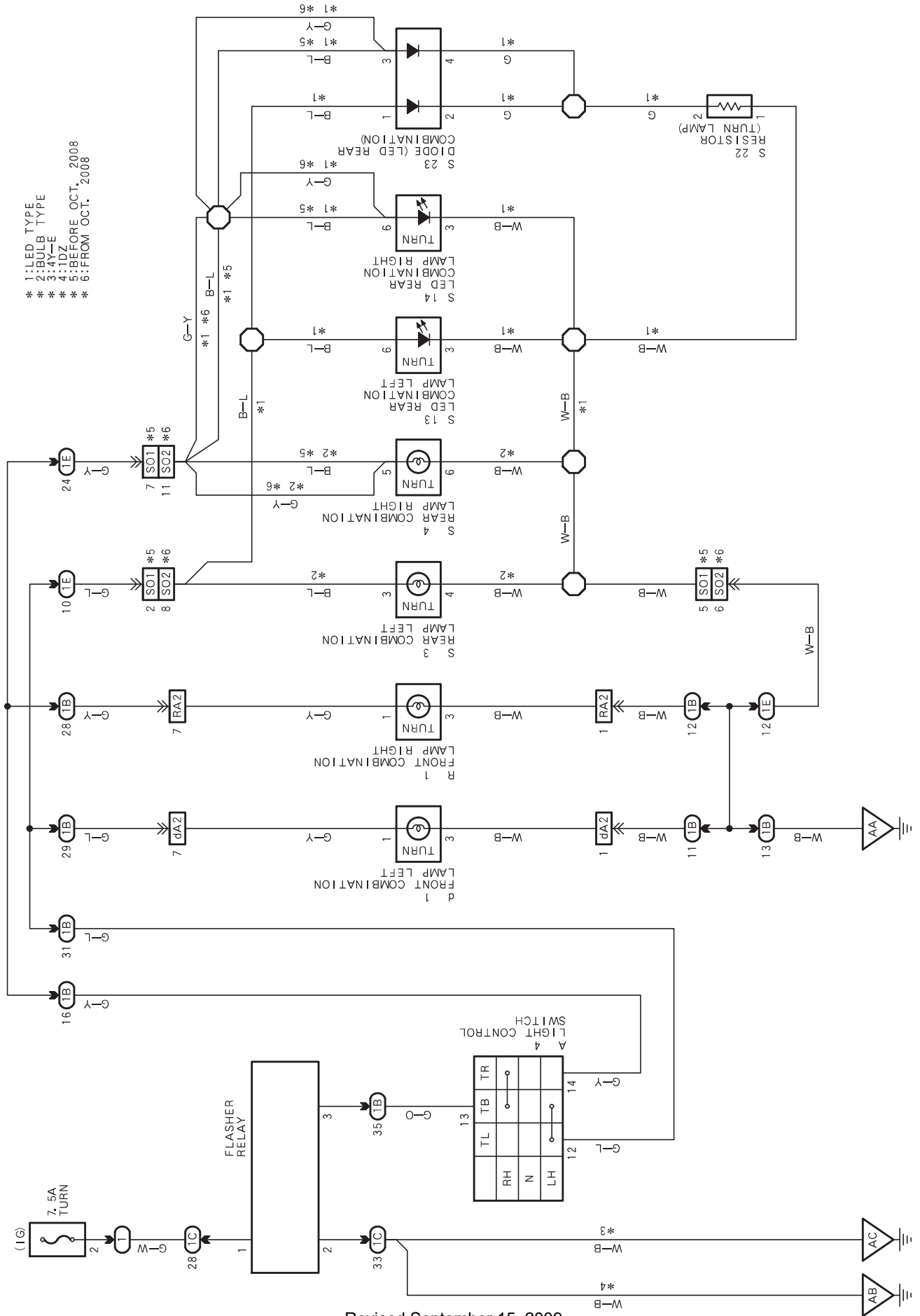
**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| RA2  | E2-10    | FR STAY WIRE RH to BODY MAIN WIRE     |
| dA2  | E2-10    | FR STAY WIRE LH to BODY MAIN WIRE     |

**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |

TURN SIGNAL LAMP



Revised September 15, 2009



**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 4  | E2-6     | S 4  | E2-12    | S 22 | E2-12    |      |          |
| R 1  | E2-10    | S 13 | E2-12    | S 23 | E2-12    |      |          |
| S 3  | E2-12    | S 14 | E2-12    | d 1  | E2-10    |      |          |

**RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1B   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

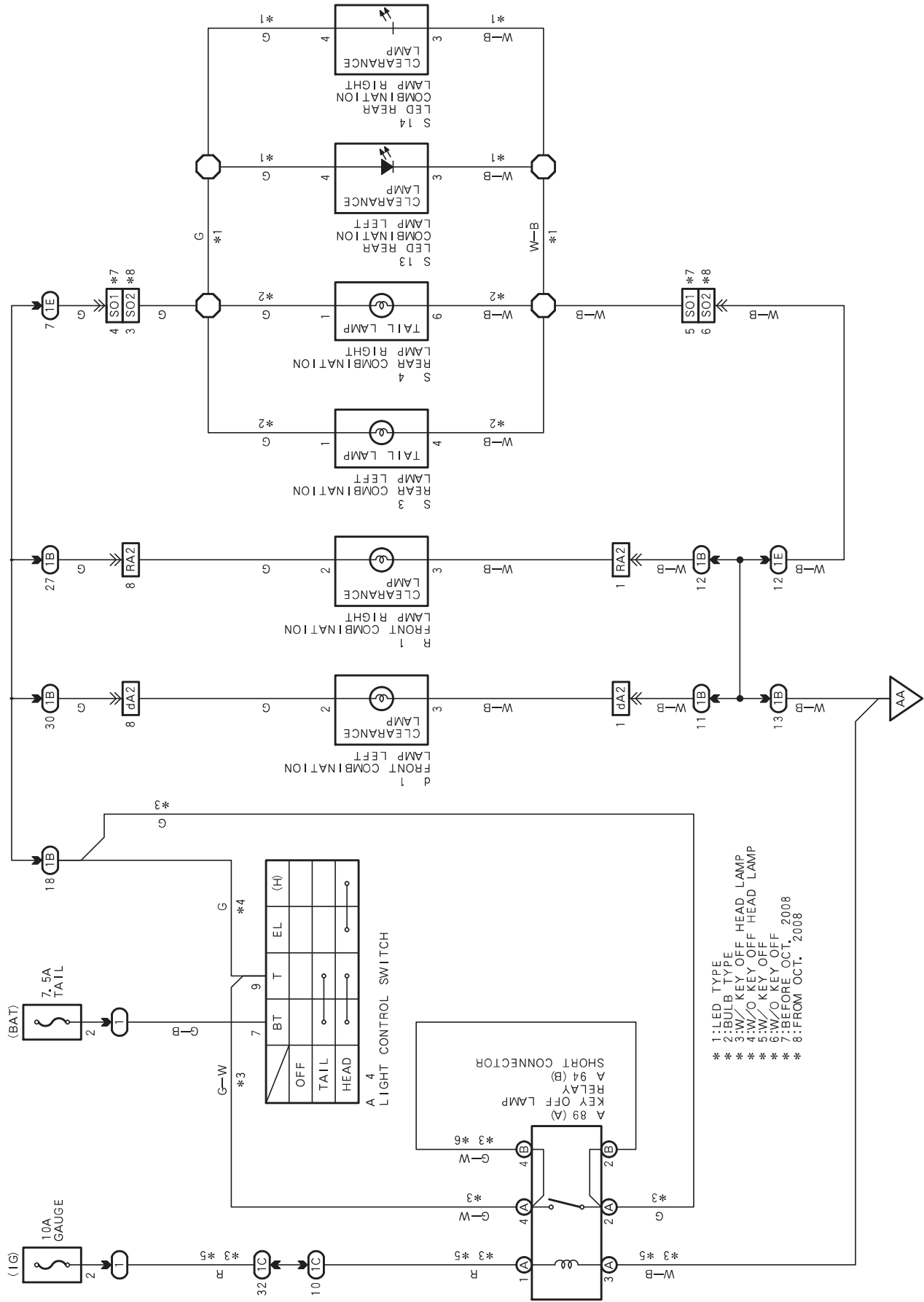
**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| RA2  | E2-10    | FR STAY WIRE RH to BODY MAIN WIRE     |
| SO1  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| SO2  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| dA2  | E2-10    | FR STAY WIRE LH to BODY MAIN WIRE     |

**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| AB   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| AC   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |

# CLEARANCE LAMP



**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 4  | E2-6     | R 1  | E2-10    | S 13 | E2-12    |      |          |
| A 89 | E2-6     | S 3  | E2-12    | S 14 | E2-12    |      |          |
| A 94 | E2-6     | S 4  | E2-12    | d 1  | E2-10    |      |          |

**RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1B   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

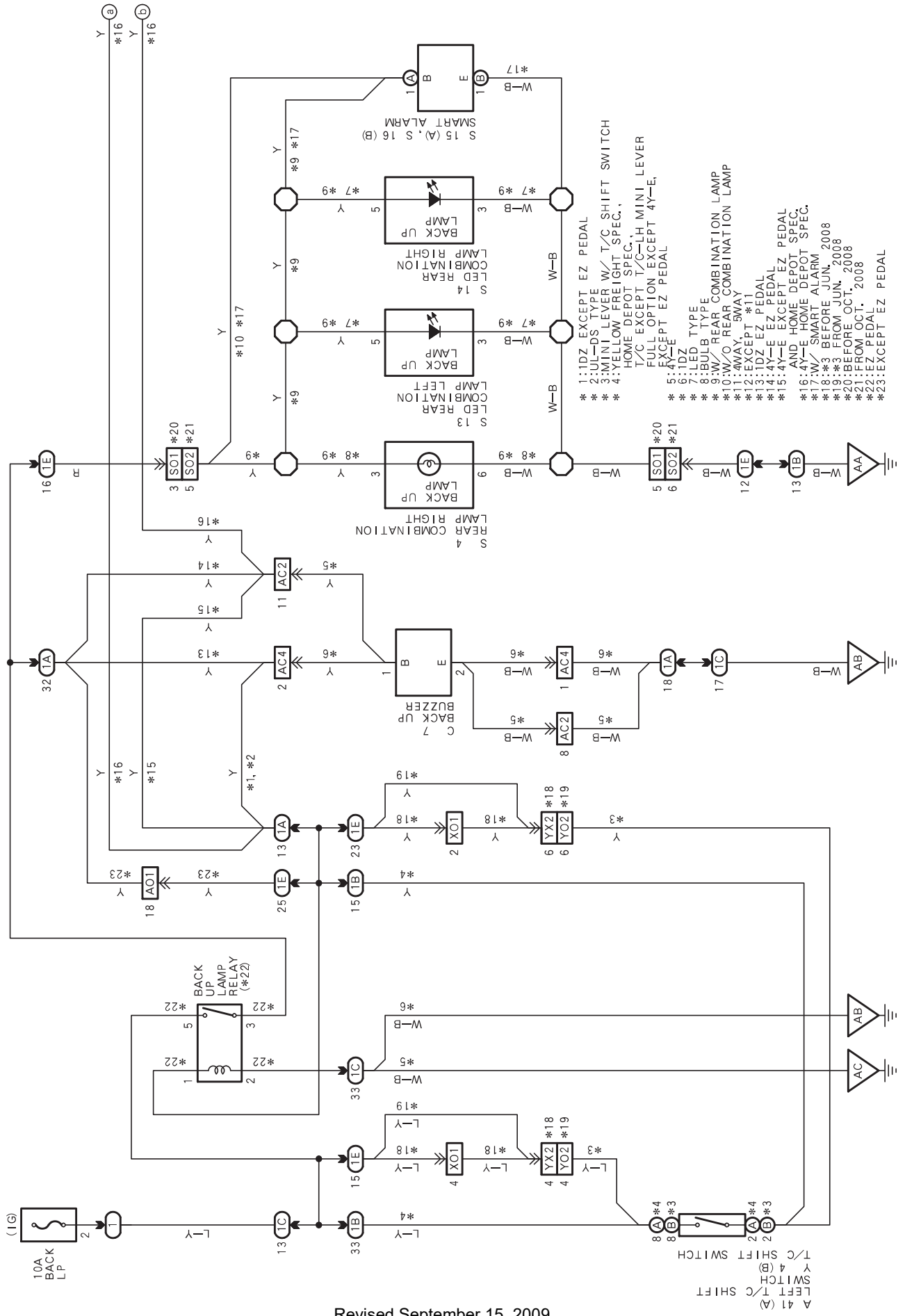
**WIRE TO WIRE**

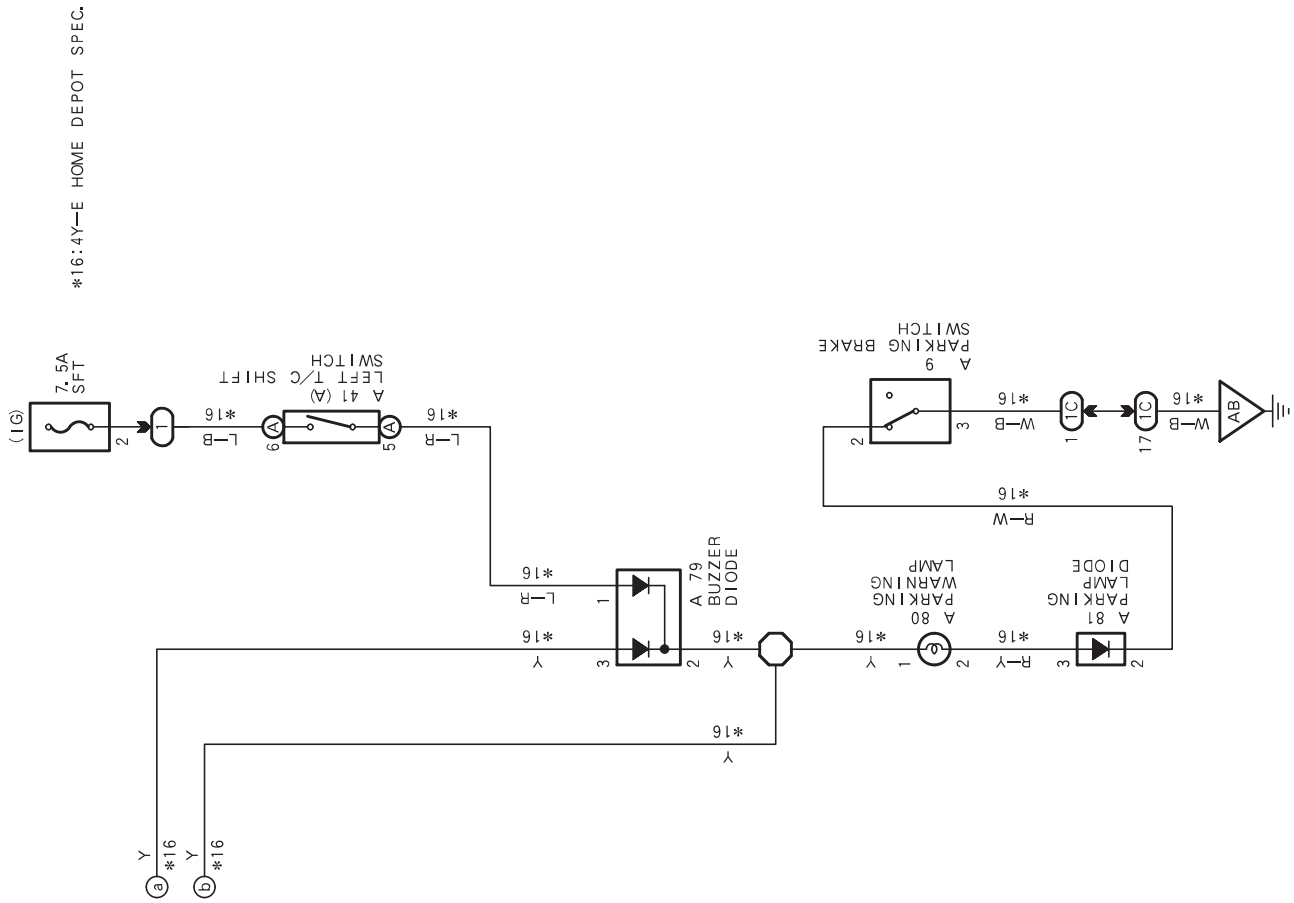
| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| RA2  | E2-10    | FR STAY WIRE RH to BODY MAIN WIRE     |
| SO1  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| SO2  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| dA2  | E2-10    | FR STAY WIRE LH to BODY MAIN WIRE     |

**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |

BACK UP LAMP BUZZER & SMART ALARM





**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 9  | E2-6     | A 80 | E2-6     | S 4  | E2-12    | S 15 | E2-12    |
| A 41 | E2-6     | A 81 | E2-8     | S 13 | E2-12    | S 16 | E2-12    |
| A 79 | E2-8     | C 7  | E2-14    | S 14 | E2-12    | Y 4  | E2-12    |

**RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1B   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AC2  | E2-8     | BODY MAIN WIRE to SIDE RH WIRE        |
| AC4  | E2-8     | BODY MAIN WIRE to SIDE RH WIRE        |
| AO1  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE        |
| SO1  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| SO2  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| XO1  | E2-12    | HOOD MAIN WIRE to SIDE LH WIRE        |
| YO2  | E2-12    | HOOD SUB NO.1 WIRE to SIDE LH WIRE    |
| YX2  | E2-12    | HOOD SUB NO.1 WIRE to HOOD MAIN WIRE  |

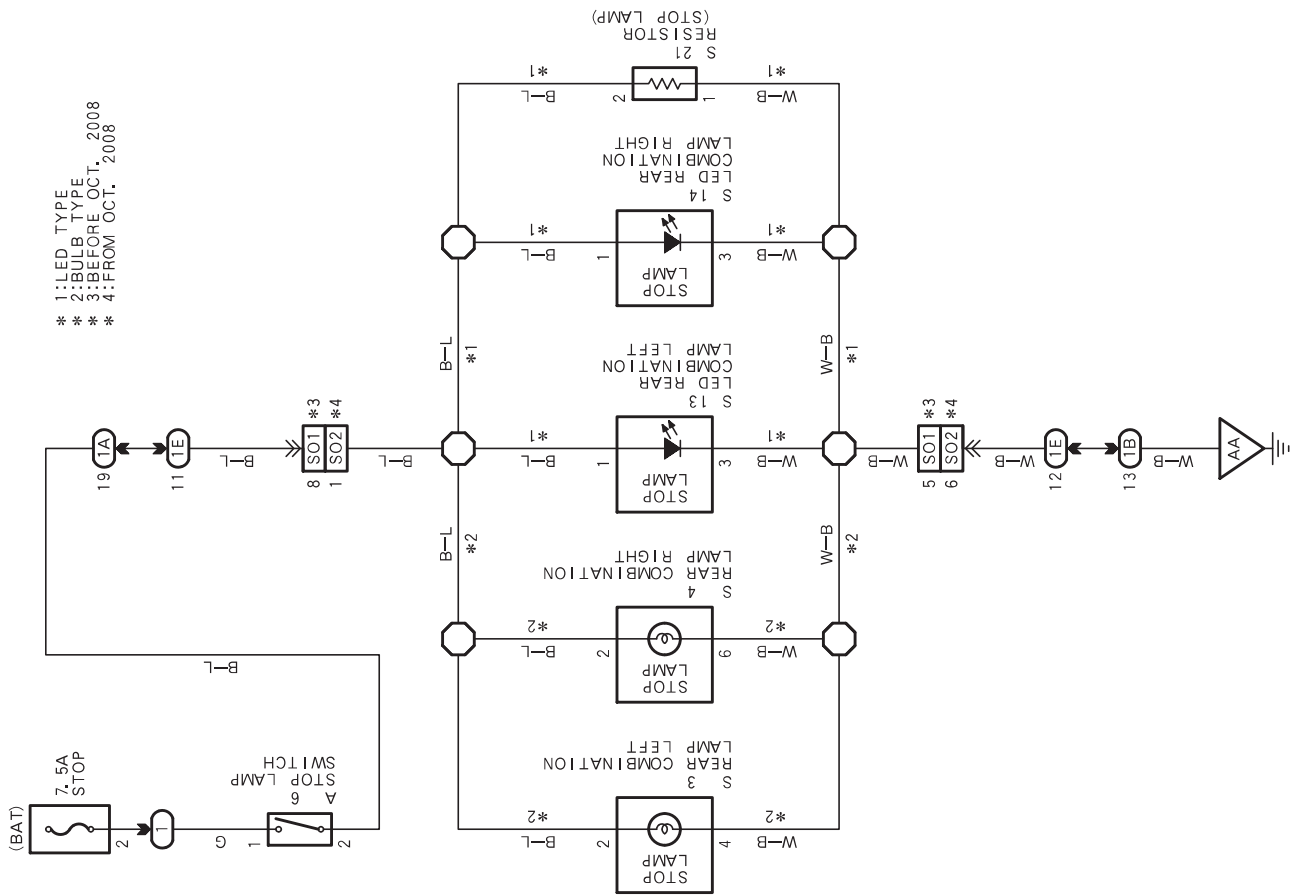
**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| AB   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |
| AC   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |

MEMO

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# STOP LAMP





**PARTS**

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 6  | E2-6     | S 4  | E2-12    | S 14 | E2-12    |      |          |
| S 3  | E2-12    | S 13 | E2-12    | S 21 | E2-12    |      |          |

**RELAY BLOCK , JUNCTION BLOCK**

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1B   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

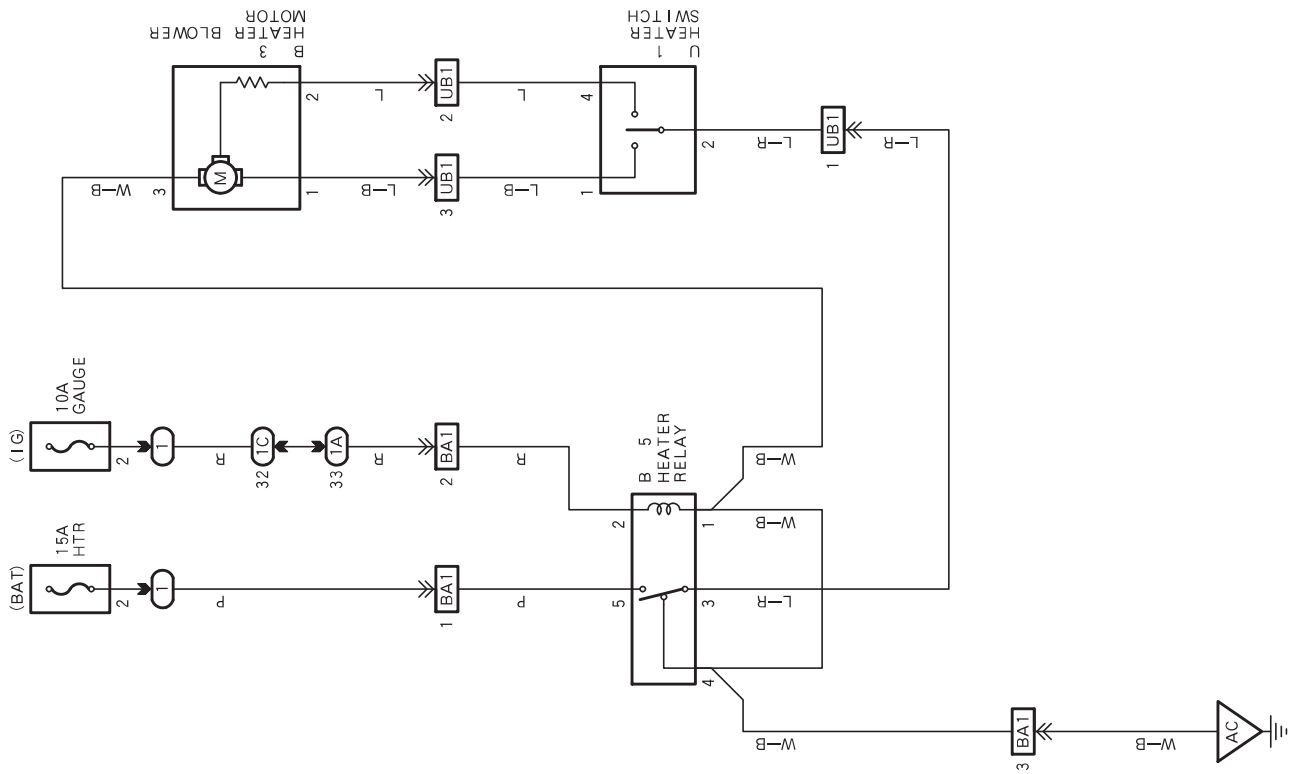
**WIRE TO WIRE**

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| SO1  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| SO2  | E2-12    | RR UPR MAIN WIRE to SIDE LH WIRE      |

**EARTH**

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |

HEATER



## HEATER

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| B 3  | E2-14    | B 5  | E2-14    | U 1  | E2-10    |      |          |

## RELAY BLOCK , JUNCTION BLOCK

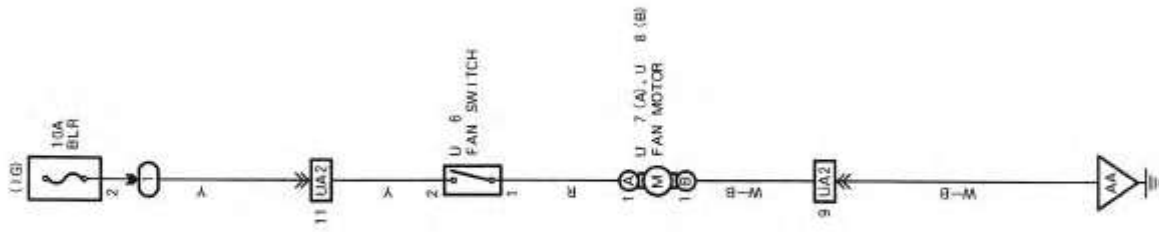
| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |
| 1A   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness    |
|------|----------|--|
| BA1  | E2-10    | BODY SUB NO.1 WIRE to BODY MAIN WIRE     |
| UB1  | E2-10    | HEAD GUARD SW WIRE to BODY SUB NO.1 WIRE |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AC   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |



## FAN

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| U 6  | E2-10    | U 7  | E2-10    | U 8  | E2-10    |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E2-8,17  | ENGINE ROOM R/B                                 |

## WIRE TO WIRE

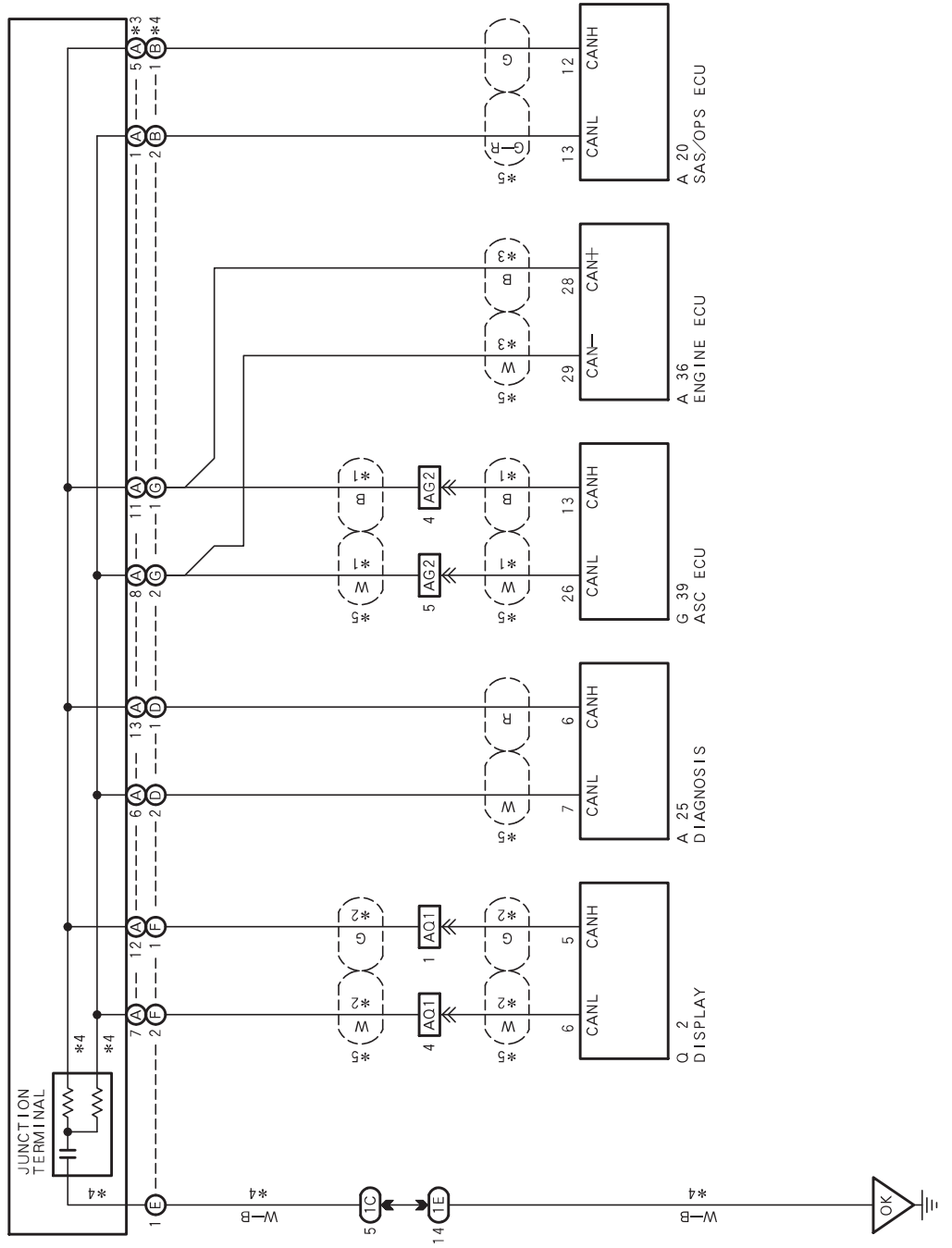
| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| UA2  | E2-10    | HEAD GUARD SW WIRE to BODY MAIN WIRE  |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH |

- \* 1:W/ ASC
- \* 2:W/ MULTI DISPLAY
- \* 3:4Y-E
- \* 4:1DZ
- \* 5:TWISTED WIRE

A 27 (A)  
 JUNCTION CONNECTOR  
 A 29 (B), A 31 (D), A 32 (E), A 33 (F), A 34 (G)  
 CAN JOINT CONNECTOR



## CAN

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 20 | E2-6     | A 29 | E2-8,19  | A 33 | E2-8,19  | G 39 | E2-8     |
| A 25 | E2-8     | A 31 | E2-8,19  | A 34 | E2-8,19  | Q 2  | E2-6     |
| A 27 | E2-8     | A 32 | E2-8,19  | A 36 | E2-8     |      |          |

## RELAY BLOCK , JUNCTION BLOCK

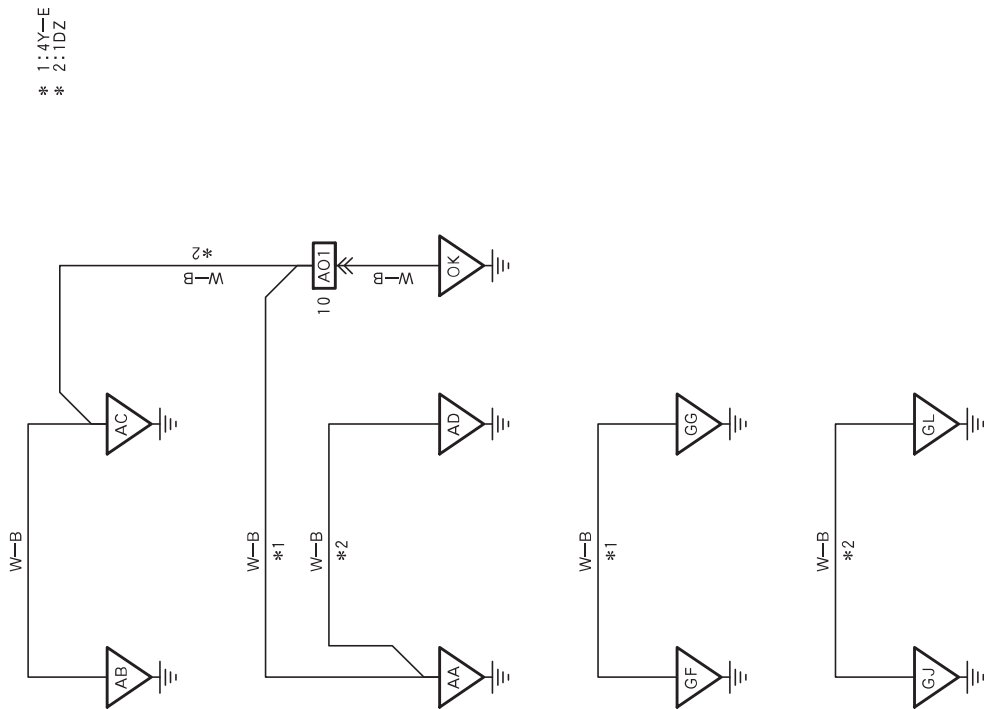
| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1C   | E2-8,18  | BODY MAIN WIRE to J/B                           |
| 1E   | E2-8,18  | SIDE LH WIRE to J/B                             |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AG2  | E2-8     | BODY MAIN WIRE to ENGINE WIRE           |
| AQ1  | E2-6     | BODY MAIN WIRE to INSTRUMENT PANEL WIRE |

## EARTH

| Code | See Page | Name                         |
|------|----------|------------------------------|
| OK   | E2-12    | REAR PILLAR LEFT UNDER EARTH |





## EARTH TO EARTH

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AO1  | E2-8     | BODY MAIN WIRE to SIDE LH WIRE        |

## EARTH

| Code | See Page | Name                                 |
|------|----------|--------------------------------------|
| AA   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH       |
| AB   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH       |
| AC   | E2-8     | FRONT PLATE LEFT OUTSIDE EARTH       |
| AD   | E2-8     | TRANSMISSION UPPER EARTH             |
| GF   | E2-2     | ENGINE UPPER EARTH                   |
| GG   | E2-2     | ENGINE UPPER EARTH                   |
| GJ   | E2-4     | JUNCTION BLOCK IN FRONT INSIDE EARTH |
| GL   | E2-4     | JUNCTION BLOCK IN FRONT INSIDE EARTH |
| OK   | E2-12    | REAR PILLAR LEFT UNDER EARTH         |



## CHAPTER 4 GROUND POINTS

## GROUND POINTS

| CODE              | LOCATION                             | SYSTEM NAME                       | PAGE      |
|-------------------|--------------------------------------|-----------------------------------|-----------|
| AA                | FRONT PLATE LEFT OUTSIDE EARTH       | BACK UP LAMP BUZZER & SMART ALARM | E3-74(72) |
|                   |                                      | CLEARANCE LAMP                    | E3-72(70) |
|                   |                                      | COMPARTMENT LAMP                  | E3-50(46) |
|                   |                                      | EZ PEDAL                          | E3-30     |
|                   |                                      | FAN                               | E3-82(80) |
|                   |                                      | HEAD LAMP                         | E3-68(64) |
|                   |                                      | POWER SHIFT TRANSMISSION          | E3-26     |
|                   |                                      | SAS/OPS SYSTEM                    | E3-36     |
|                   |                                      | STOP LAMP                         | E3-78(76) |
|                   |                                      | STROBE LIGHT                      | E3-52(48) |
|                   |                                      | TURN SIGNAL LAMP                  | E3-70(66) |
| AB                | FRONT PLATE LEFT OUTSIDE EARTH       | ASC                               | E3-20     |
|                   |                                      | BACK UP LAMP BUZZER & SMART ALARM | E3-74(72) |
|                   |                                      | COMBINATION METER                 | E3-54(50) |
|                   |                                      | ENGINE CONTROL (4Y-E)             | E3-10     |
|                   |                                      | POWER SOURCE                      | E3-2      |
|                   |                                      | SAS/OPS SYSTEM                    | E3-36     |
|                   |                                      | STARTING                          | E3-6      |
|                   |                                      | TURN SIGNAL LAMP                  | E3-70(66) |
| AC                | FRONT PLATE LEFT OUTSIDE EARTH       | WET BRAKE                         | E3-34     |
|                   |                                      | BACK UP LAMP BUZZER & SMART ALARM | E3-74(72) |
|                   |                                      | FRONT WIPER & WASHER              | E3-60(56) |
|                   |                                      | HEATER                            | E3-80(78) |
|                   |                                      | HORN & W/ REAR HORN SWITCH        | E3-64(60) |
|                   |                                      | LPG WARNING SYSTEM (4Y-E)         | E3-24     |
|                   |                                      | POWER SOURCE                      | E3-2      |
|                   |                                      | REAR WIPER & WASHER               | E3-62(58) |
| AD                | TRANSMISSION UPPER EARTH             | STARTING                          | E3-6      |
| GF                | ENGINE UPPER EARTH                   | TURN SIGNAL LAMP                  | E3-70(66) |
|                   |                                      | POWER SHIFT TRANSMISSION          | E3-26     |
| GG                | ENGINE UPPER EARTH                   | ENGINE CONTROL (4Y-E)             | E3-10     |
|                   |                                      | LPG WARNING SYSTEM (4Y-E)         | E3-24     |
|                   |                                      | DIAG                              | E3-46(42) |
| GJ                | JUNCTION BLOCK IN FRONT INSIDE EARTH | ENGINE CONTROL (4Y-E)             | E3-10     |
|                   |                                      | LPG WARNING SYSTEM (4Y-E)         | E3-24     |
| IH                | REAR PILLAR LEFT UNDER EARTH         | ASC                               | E3-20     |
|                   |                                      | GLOW                              | E3-16     |
| JL                | FRONT PLATE LEFT INSIDE EARTH        | POWER SOURCE                      | E3-2      |
|                   |                                      | STARTING                          | E3-6      |
| OK                | REAR PILLAR LEFT UNDER EARTH         | STARTING                          | E3-6      |
|                   |                                      | CAN                               | E3-84(82) |
|                   |                                      | CNG DIGITAL METER                 | E3-66(62) |
|                   |                                      | COMBINATION METER                 | E3-54(50) |
|                   |                                      | DIAG                              | E3-46(42) |
|                   |                                      | GLOW                              | E3-16     |
|                   |                                      | HORN & W/ REAR HORN SWITCH        | E3-64(60) |
|                   |                                      | MULTI DISPLAY                     | E3-58(54) |
| REAR WORKING LAMP | E3-48(44)                            |                                   |           |
|                   |                                      | SAS/OPS SYSTEM                    | E3-36     |

## CHAPTER 5 FUSES FOR POWER SUPPLY

## FUSIBLE LINK BLOCK ASSY

| FUSE |      | SYSTEM NAME | PAGE  |
|------|------|-------------|-------|
| 60A  | GLOW | GLOW        | E3-16 |
| 100A | ALT  | CHARGING    | E3-4  |

## FUSIBLE LINK BLOCK-1

| FUSE |     | SYSTEM NAME | PAGE |
|------|-----|-------------|------|
| 100A | ALT | CHARGING    | E3-4 |

## FUSIBLE LINK BLOCK-2

| FUSE |      | SYSTEM NAME | PAGE  |
|------|------|-------------|-------|
| 60A  | GLOW | GLOW        | E3-16 |

## ENGINE ROOM R/B

| FUSE |                | SYSTEM NAME                       | PAGE  |
|------|----------------|-----------------------------------|-------|
| 7.5A | ALT-S          | CHARGING                          | E3-4  |
| 7.5A | ECU-B          | SAS/OPS SYSTEM                    | E3-36 |
| 7.5A | ECU-B2         | ASC                               | E3-20 |
| 7.5A | HORN           | HORN & W/ REAR HORN SWITCH        | E3-64 |
| 7.5A | HME            | CNG DIGITAL METER                 | E3-66 |
|      |                | COMBINATION METER                 | E3-54 |
| 7.5A | IGN            | ASC                               | E3-20 |
|      |                | FUEL                              | E3-8  |
|      |                | GLOW                              | E3-16 |
| 7.5A | SFT            | BACK UP LAMP BUZZER & SMART ALARM | E3-74 |
|      |                | EZ PEDAL                          | E3-30 |
|      |                | POWER SHIFT TRANSMISSIN           | E3-26 |
| 7.5A | ST             | EZ PEDAL                          | E3-30 |
|      |                | GLOW                              | E3-16 |
|      |                | STARTING                          | E3-6  |
| 7.5A | STOP           | SAS/OPS SYSTEM                    | E3-36 |
|      |                | STOP LAMP                         | E3-78 |
| 7.5A | TAIL           | CLEARANCE LAMP                    | E3-72 |
| 7.5A | TURN           | TURN SIGNAL LAMP                  | E3-70 |
| 10A  | BACK LP        | BACK UP LAMP BUZZER & SMART ALARM | E3-74 |
|      |                | STROBE LIGHT                      | E3-52 |
| 10A  | BLR            | FAN                               | E3-82 |
| 10A  | ECU-IG         | DIAG                              | E3-46 |
|      |                | MINI LEVER (W/ 5WAY VALVES)       | E3-40 |
|      |                | MINI LEVER (W/O 5WAY VALVES)      | E3-44 |
|      |                | MULTI DISPLAY                     | E3-58 |
|      |                | POWER SHIFT TRANSMISSIN           | E3-26 |
|      | SAS/OPS SYSTEM | E3-26                             |       |

## FUSES FOR POWER SUPPLY

| FUSE                      |         | SYSTEM NAME           | PAGE  |
|---------------------------|---------|-----------------------|-------|
| 10A                       | GAUGE   | CHARGING              | E3-4  |
|                           |         | CLEARANCE LAMP        | E3-72 |
|                           |         | CNG DIGITAL METER     | E3-66 |
|                           |         | COMBINATION METER     | E3-54 |
|                           |         | ENGINE CONTROL (4Y-E) | E3-10 |
|                           |         | FRONT WIPER & WASHER  | E3-60 |
|                           |         | GLOW                  | E3-16 |
|                           |         | HEAD LAMP             | E3-68 |
|                           |         | HEATER                | E3-80 |
|                           |         | REAR WIPER & WASHER   | E3-62 |
|                           |         | SAS/OPS SYSTEM        | E3-36 |
|                           |         | STOP LAMP             | E3-78 |
|                           |         | WET BRAKE             | E3-34 |
|                           |         | 15A                   | EFI   |
| LPG WARNING SYSTEM (4Y-E) | E3-24   |                       |       |
| 15A                       | E-THRO  | ENGINE CONTROL (4Y-E) | E3-10 |
| 15A                       | HEAD    | HEAD LAMP             | E3-68 |
| 15A                       | HTR     | HEATER                | E3-80 |
| 15A                       | IGN     | ENGINE CONTROL (4Y-E) | E3-10 |
| 15A                       | WORK LP | COMPARTMENT LAMP      | E3-50 |
|                           |         | REAR WORKING LAMP     | E3-48 |
| 20A                       | FR WIP  | FRONT WIPER & WASHER  | E3-60 |
| 20A                       | RR WIP  | REAR WIPER & WASHER   | E3-62 |
| 30A                       | STA     | STARTING              | E3-6  |





## CHAPTER 6 CONNECTOR LIST

|                       |      |
|-----------------------|------|
| CONNECTOR LIST        |      |
| PARTS CONNECTOR ..... | E6-2 |
| WIRE TO WIRE          |      |
| WIRE TO WIRE .....    | E6-8 |

CONNECTOR LIST

A 1



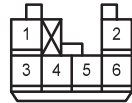
90980-10935

A 2



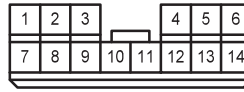
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A 3



90980-10996

A 4



90980-10807

A 6



90980-11155

A 7



90980-10214

A 8

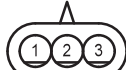
DARK GRAY



90980-10899

A 9

GRAY



90980-11349

A 10

GRAY



90980-11486

A 11



90980-11002

A 12

BLACK



90980-10959

A 13

BLACK



90980-10941

A 14

DARK GRAY



90980-11028

A 15

DARK GRAY



90980-10900

A 18

GRAY



90080-98200

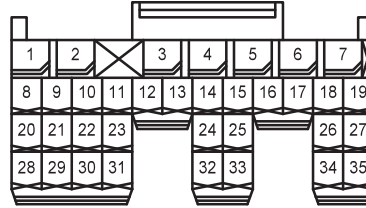
A 19

BLACK



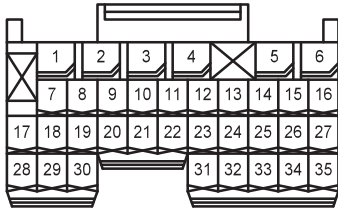
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A 20



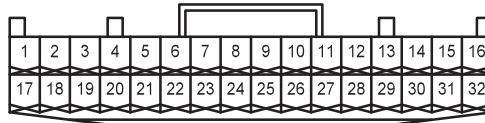
90980-12528

A 21



90980-12529

A 23



90980-12556

A 24

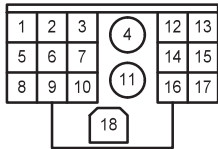
BLACK



90980-11881

A 25

GRAY



57671-U2230-71

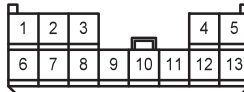
A 26



90980-11251

A 27

GRAY



90980-11542

A 29

BLUE



90980-12355

A 31

BROWN



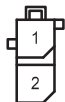
90980-12355

A 32



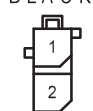
90980-10871

A 33



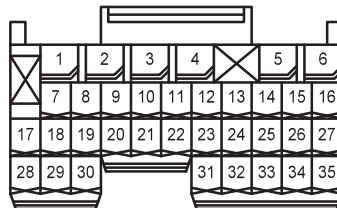
90980-12355

A 34



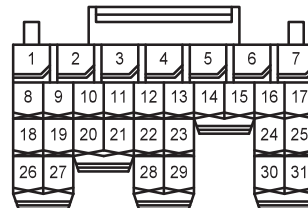
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A 35



90980-12529

A 36



90980-12525

A 37



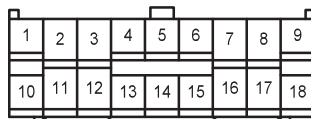
90980-10173

A 38



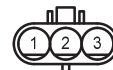
90980-10214

A 41



A 42

BLACK



90980-10845

A 45

DARK GRAY



90980-11162

A 46

DARK GRAY



90980-11168

## CONNECTOR LIST

A 47  
DARK GRAY

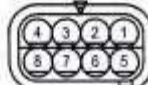
90980-10942

A 48  
DARK GRAY

90980-10941

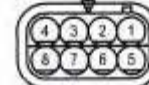
A 49  
BLACK

90980-11235

A 51  
GRAY

90980-10896

A 52



90980-10890

A 54  
GRAY

90980-10899

A 55  
GRAY

90980-10899

A 56



90980-11168

A 64



90980-11915

A 65  
BLACK

90980-11661

A 66  
BLUE

90980-11661

A 68



90980-11003

A 69  
BLACK

90980-11162

A 70  
GRAY

90980-11162

A 71



90980-11251

A 73



90980-10942

A 74



90980-10941

A 75



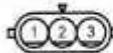
90980-10942

A 76



90980-10941

A 78



90980-11020

A 79  
GRAY

90980-11071

A 80



90980-10355

A 81  
GRAY

90980-11071

A 82



90980-10173

A 83



90980-10173

A 84



90980-10173

A 85



90980-10173

A 86



90980-10887

A 87



90980-10886

A 88  
BLACK

AMP174257-2

A 89  
GRAY

90980-10942

A 90  
BLACK

90980-10941

A 91



90980-10173

A 92



90980-10173

A 93  
BLACK

90980-11070

A 94  
GRAY

90980-10941

B 1

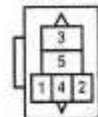


90980-10214

B 3



180900

B 5  
GRAY

82860-83010

B 6



90980-10214

C 1  
DARK GRAY

90980-10889

C 3  
BLACK

90980-10622

C 4



7316-2095

C 5



7316-2095

C 6



90980-11140

C 7



90980-10825

D 1  
GRAY

90980-11025

G 1



90980-09213

G 2



90980-09567

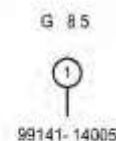
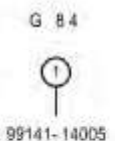
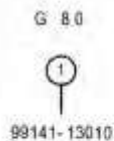
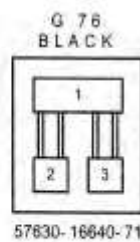
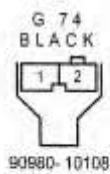
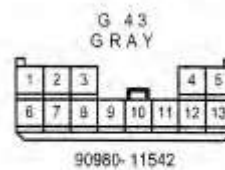
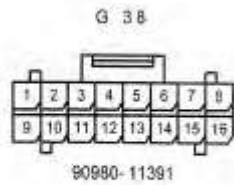
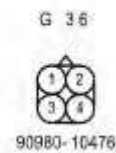
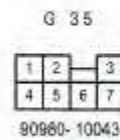
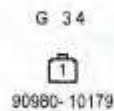
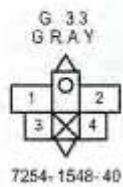
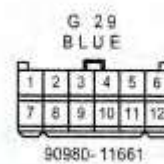
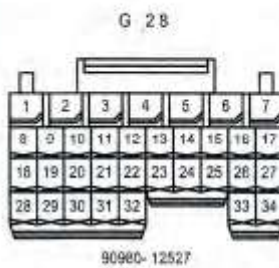
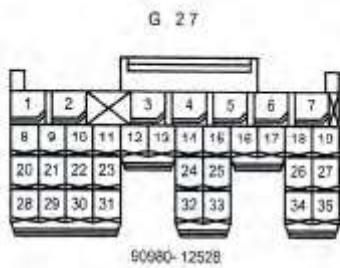
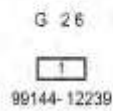
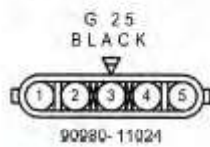
G 4  
BLACK

90980-11349



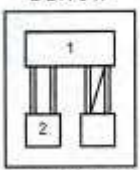





















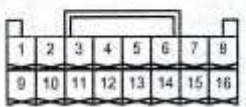
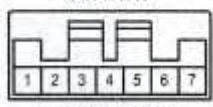




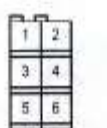
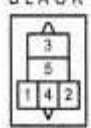


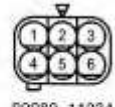








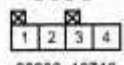




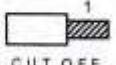


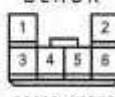
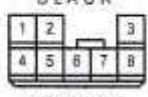
G 6  
BLACK

90980-11858

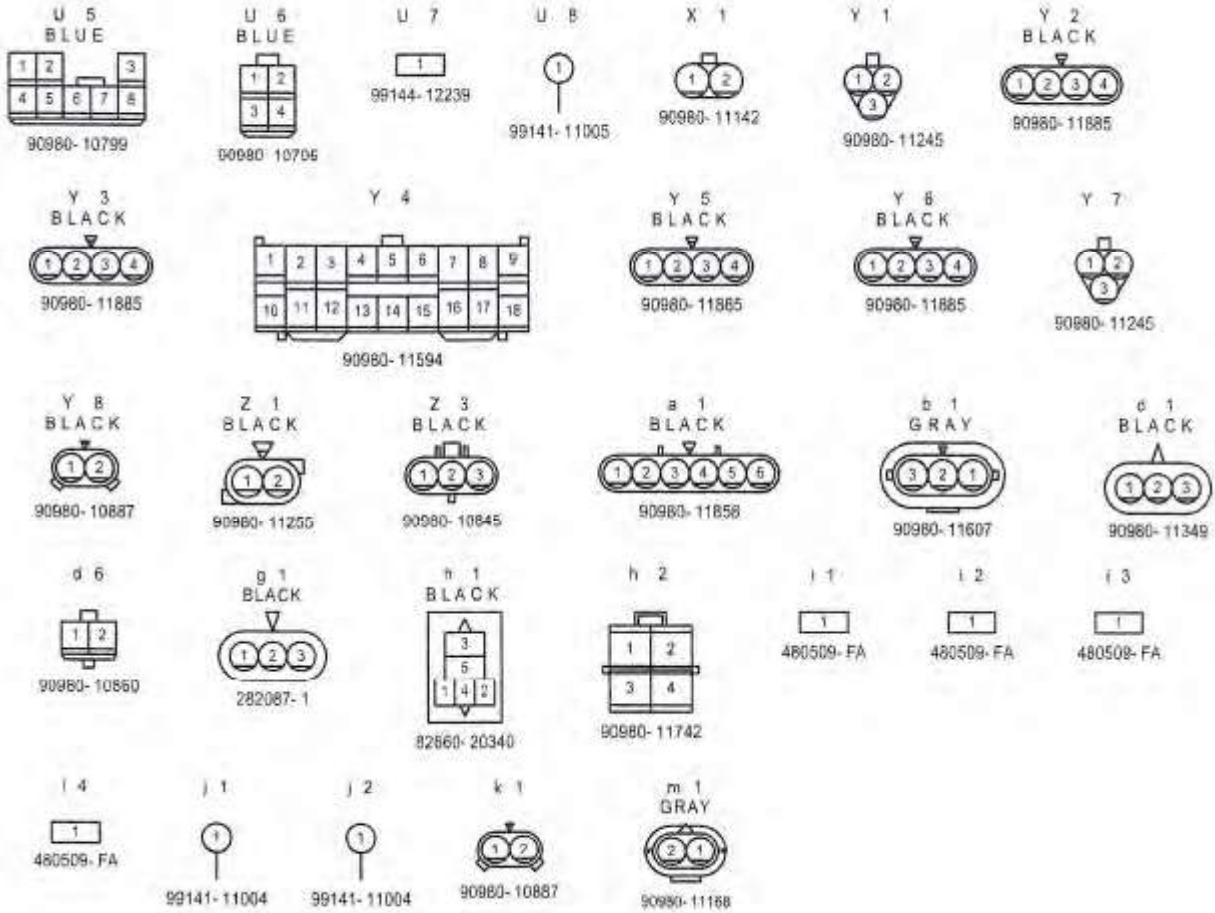
# CONNECTOR LIST



CONNECTOR LIST

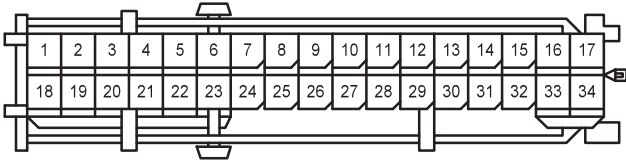
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|---|---|---|---|--|--|---|---|
| <p>G 86<br/>(1DZ)</p>  <p>99141-12008</p>    | <p>G 86<br/>(4Y-E)</p>  <p>99142-16080</p>   | <p>G 87<br/>BLACK</p>  <p>57630-16650-71</p> | <p>G 88</p>  <p>90980-11018</p>              | <p>H 1</p>  <p>99142-16080</p>                  | <p>H 2</p>  <p>7003-1191-02</p>             | <p>H 3</p>  <p>90980-09222</p>               |   |
| <p>I 1</p>  <p>99142-15060</p>               | <p>I 2</p>  <p>99142-16080</p>               | <p>J 1</p>  <p>7003-1172-02</p>              | <p>J 2</p>  <p>7003-1182-02</p>              | <p>J 3</p>  <p>90980-09481</p>                  | <p>K 1<br/>DARK GRAY</p>  <p>90980-11162</p> | <p>K 2<br/>DARK GRAY</p>  <p>90980-10626</p> | <p>K 3<br/>BLACK</p>  <p>90980-11235</p> |
| <p>K 5<br/>DARK GRAY</p>  <p>90980-11158</p> | <p>K 6<br/>DARK GRAY</p>  <p>90980-10828</p> | <p>M 1</p>  <p>7010-3015</p>                 | <p>M 2</p>  <p>7010-3015</p>                 | <p>O 1</p>  <p>90980-11016</p>                  | <p>O 2<br/>GRAY</p>  <p>90980-11077</p>      | <p>O 3<br/>GRAY</p>  <p>90980-10256</p>      |   |
| <p>O 4<br/>BLACK</p>  <p>90980-11070</p>     | <p>O 5</p>  <p>90980-11142</p>               | <p>Q 1</p>  <p>90980-12553</p>               | <p>Q 2<br/>GREEN</p>  <p>IL-AG5-7S-S3C1</p> | <p>R 1<br/>BLACK</p>  <p>90980-11349</p>      | <p>R 6</p>  <p>90980-10860</p>              |   |   |
| <p>S 2</p>  <p>90980-11742</p>              | <p>S 3</p>  <p>90980-10795</p>              | <p>S 4</p>  <p>90980-11011</p>              | <p>S 8<br/>BLACK</p>  <p>82680-20340</p>    | <p>S 11<br/>DARK GRAY</p>  <p>90980-11155</p> | <p>S 13<br/>GRAY</p>  <p>90980-11034</p>   |   |   |
| <p>S 14<br/>GRAY</p>  <p>90980-11034</p>   | <p>S 15</p>  <p>99144-12239</p>            | <p>S 16</p>  <p>99143-22040</p>            | <p>S 17</p>  <p>99144-12239</p>            | <p>S 18</p>  <p>99143-22040</p>              | <p>S 19</p>  <p>99144-12239</p>           | <p>S 20</p>  <p>99143-22040</p>            |   |
| <p>S 21<br/>BLACK</p>  <p>90980-11162</p>  | <p>S 22<br/>GRAY</p>  <p>90980-11162</p>   | <p>S 23<br/>BLUE</p>  <p>90980-10716</p>   | <p>T 6</p>  <p>90980-10214</p>             | <p>T 9</p>  <p>CUT OFF</p>                   | <p>T 10</p>  <p>CUT OFF</p>               |   |   |
| <p>T 11</p>  <p>90980-10860</p>            | <p>T 12</p>  <p>CUT OFF</p>                | <p>T 13</p>  <p>CUT OFF</p>                | <p>U 1<br/>BLACK</p>  <p>90980-10795</p>   | <p>U 2<br/>BLACK</p>  <p>90980-10797</p>     | <p>U 3<br/>BLACK</p>  <p>90980-10799</p>  |   |   |

CONNECTOR LIST



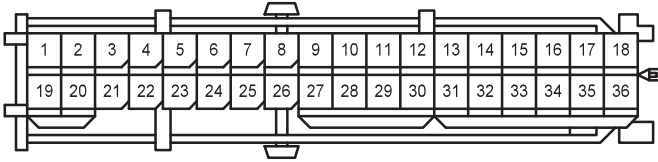
CONNECTOR LIST

1A



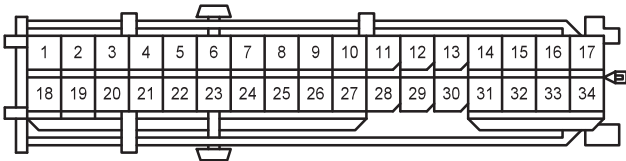
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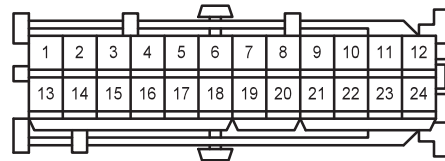
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1C



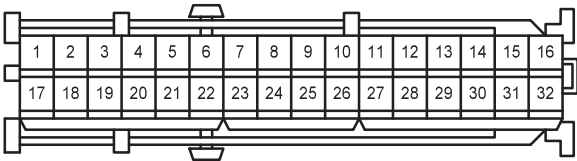
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1D



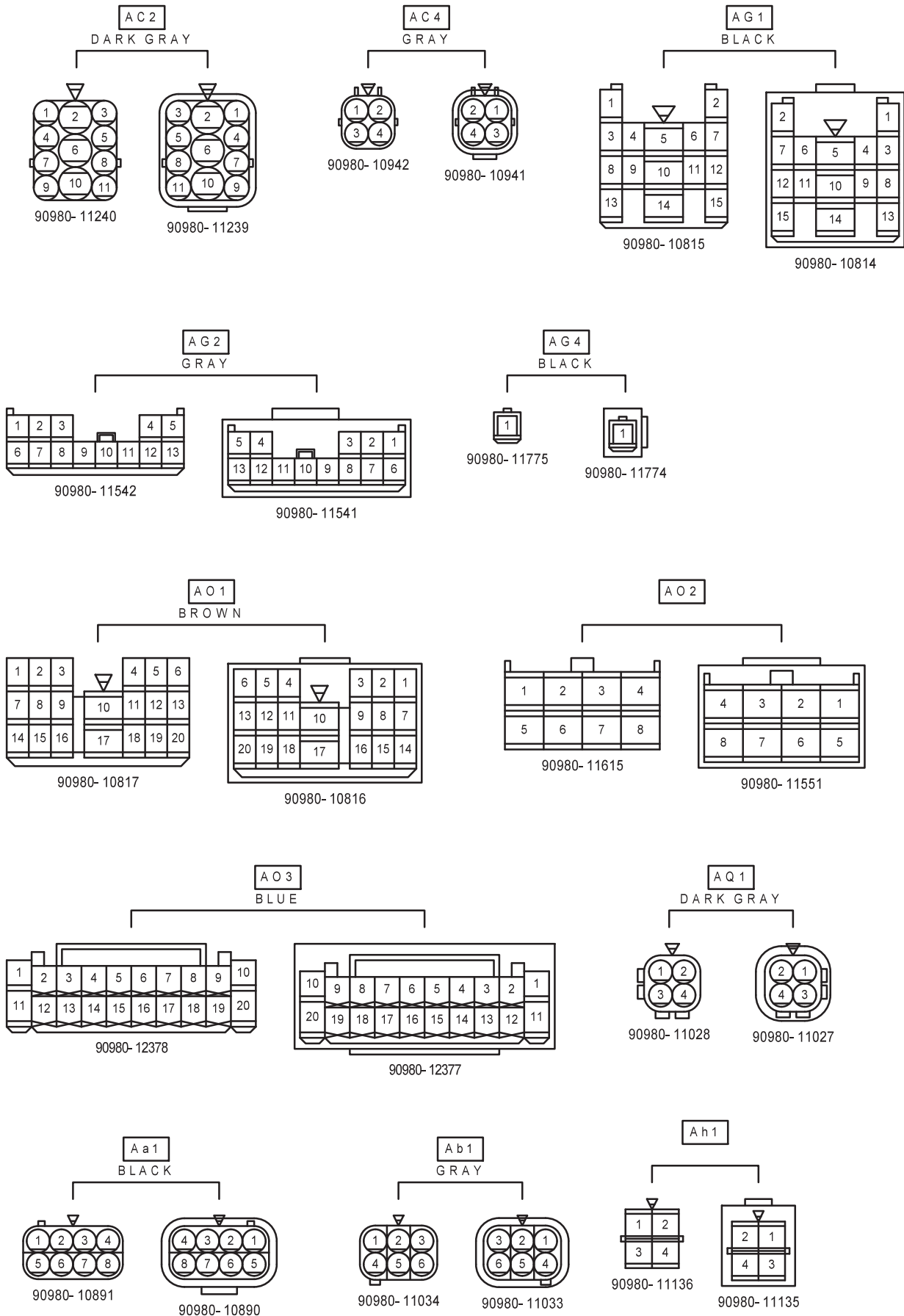
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1E



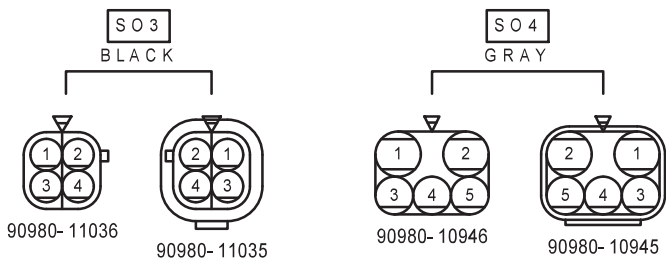
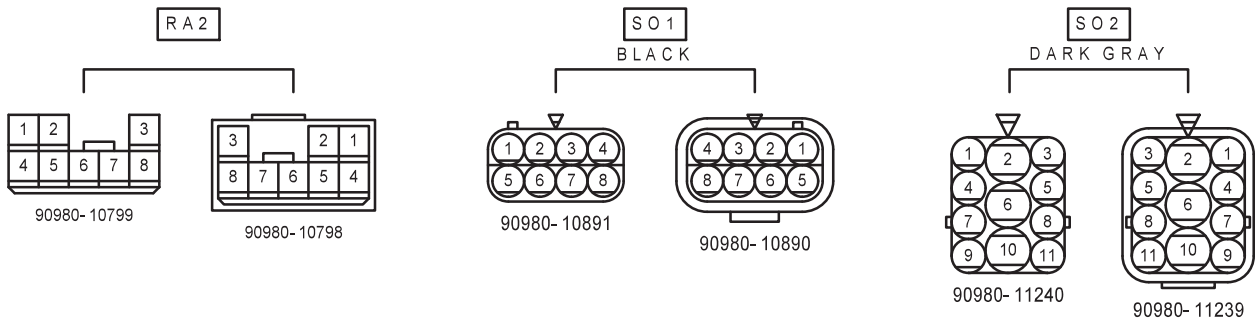
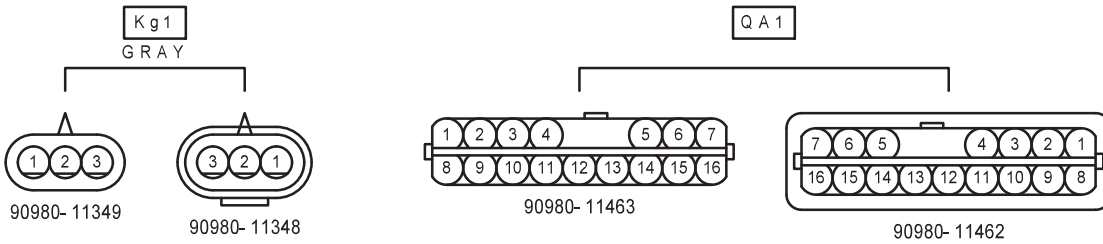
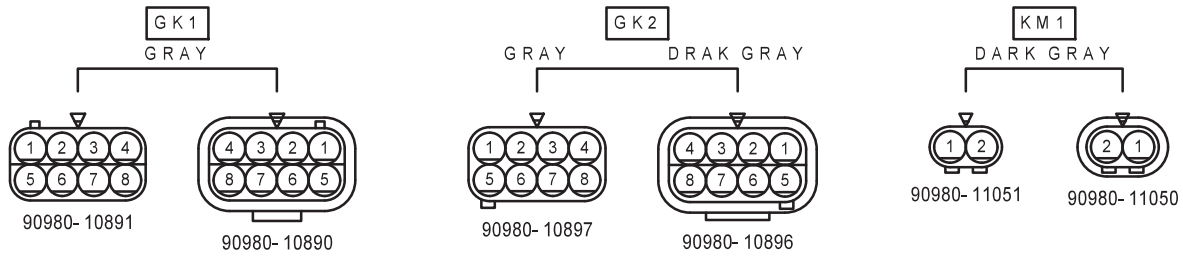
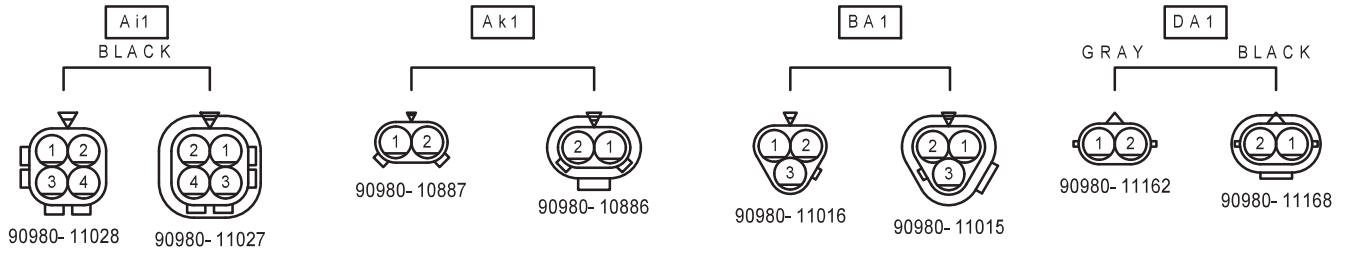
90980-12311

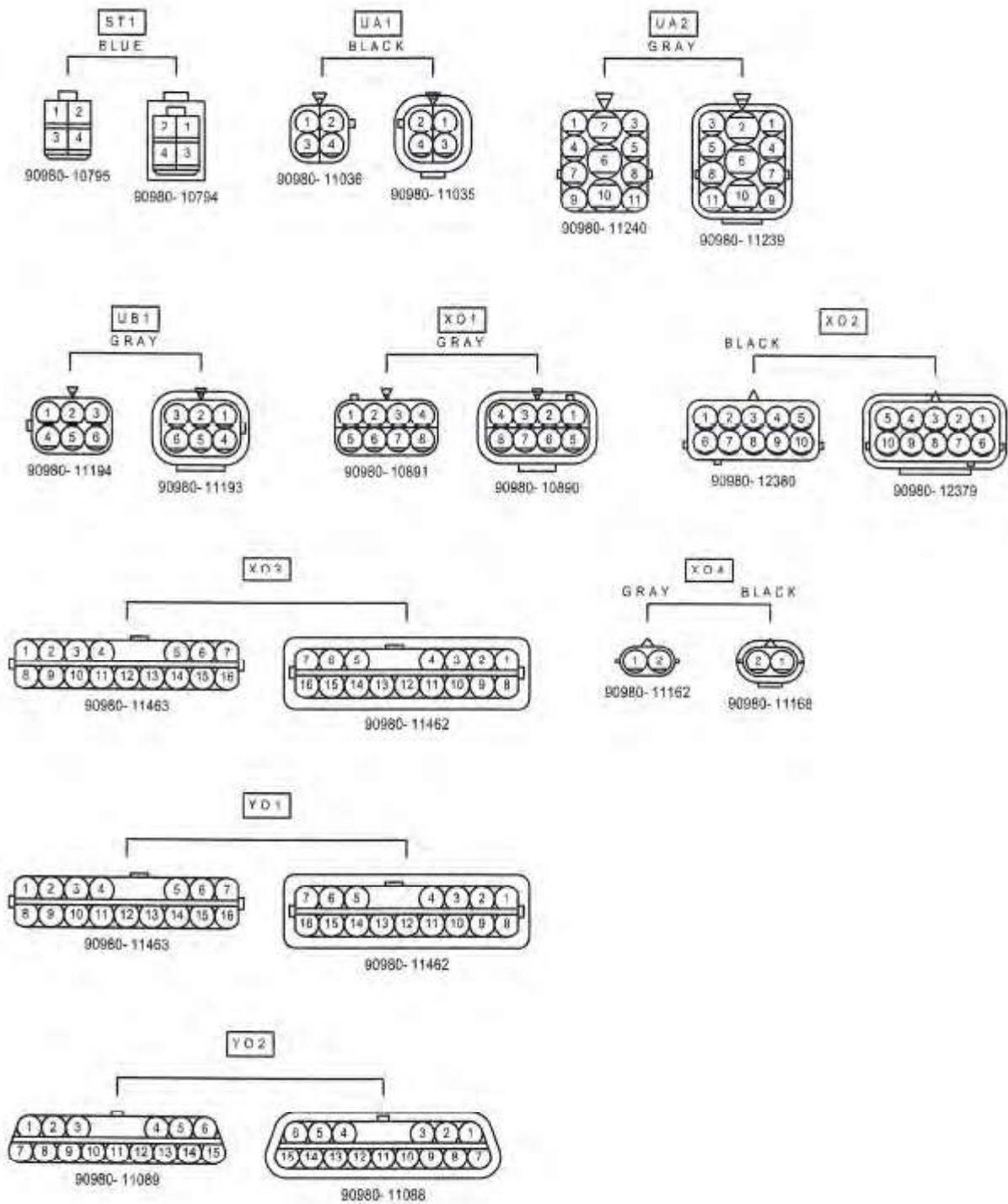
WIRE TO WIRE



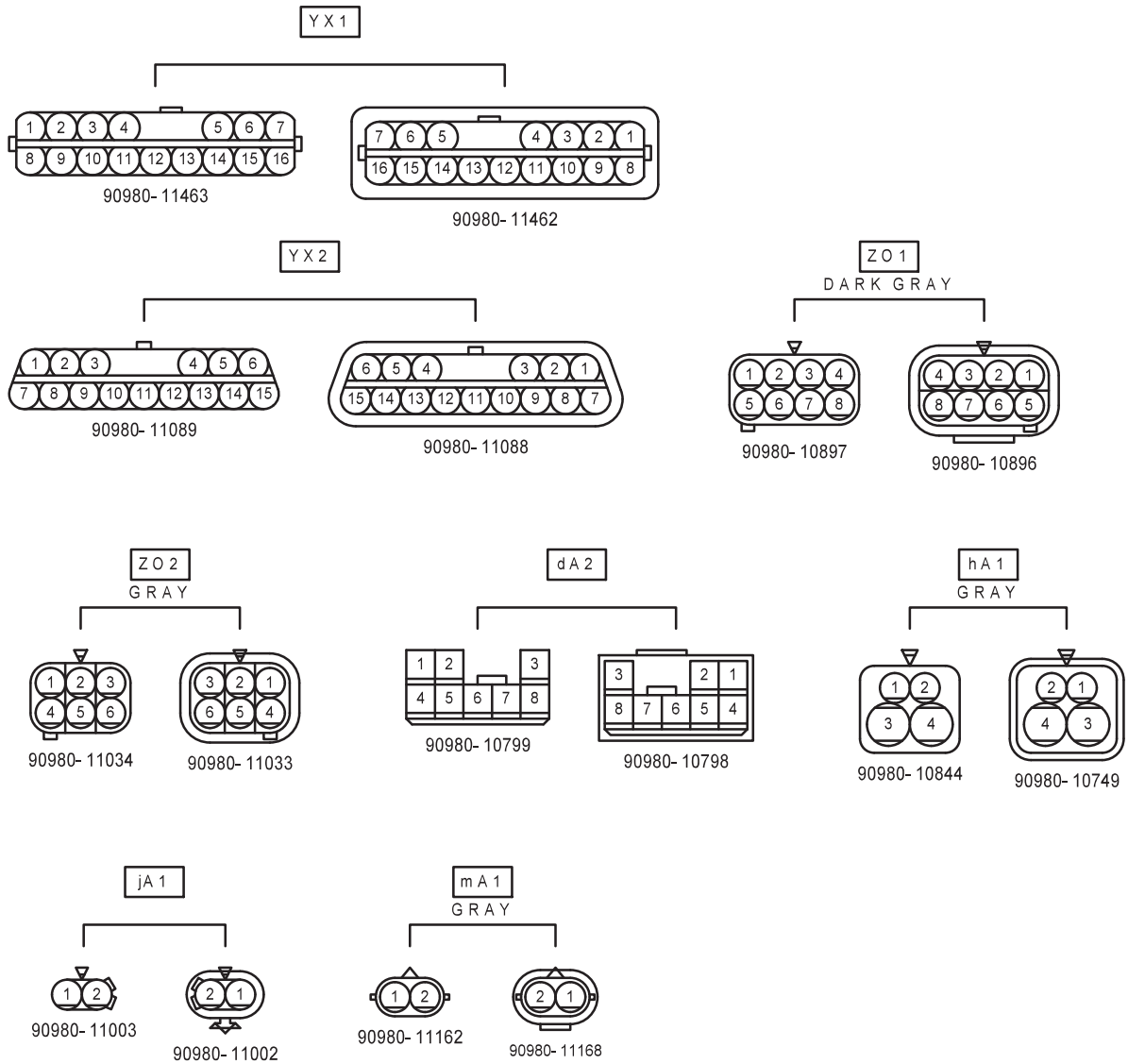


WIRE TO WIRE





WIRE TO WIRE



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# CHAPTER 7 ELECTRICAL WIRING ROUTINGS AND RELAY LOCATIONS

E7

## ELECTRICAL WIRING ROUTINGS

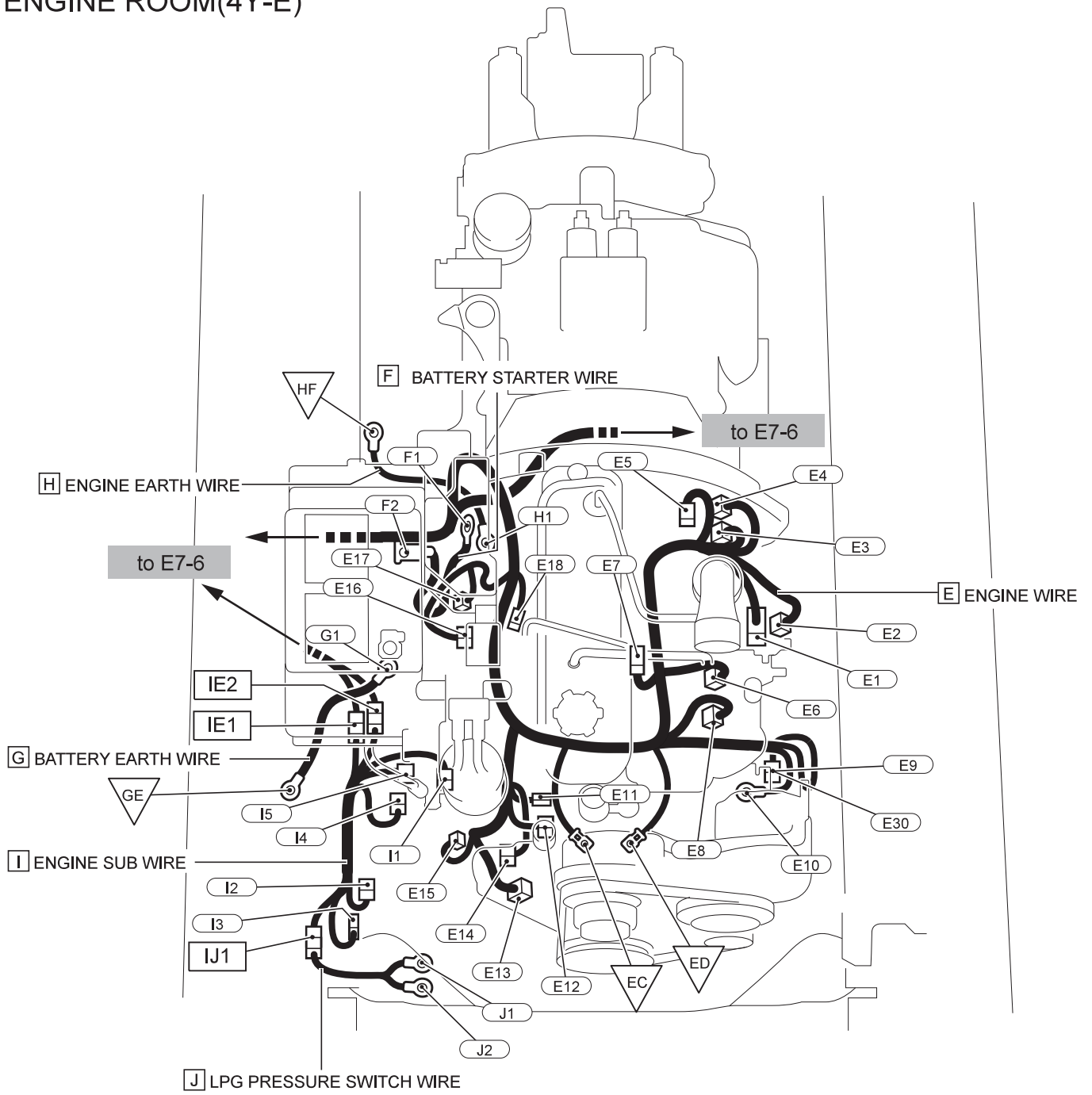
|                        |       |
|------------------------|-------|
| ENGINE ROOM .....      | E7-2  |
| INSTRUMENT PANEL ..... | E7-4  |
| FRONT BODY .....       | E7-6  |
| MAST AREA .....        | E7-8  |
| REAR BODY .....        | E7-10 |

## RELAY LOCATIONS

|                         |       |
|-------------------------|-------|
| RELAY BLOCK (R/B) ..... | E7-12 |
|-------------------------|-------|

| SYMBOLS | WIRE NAME                | SYMBOLS | WIRE NAME             |
|---------|--------------------------|---------|-----------------------|
| A       | BODY MAIN WIRE           | K       | SIDE LH WIRE          |
| B       | SIDE RH WIRE             | L       | INSTRUMENT PANEL WIRE |
| C       | T/C HEAT GAUGE WIRE      | M       | FR STAY WIRE RH       |
| D       | FLASHER WIRE             | N       | FR STAY WIRE LH       |
| E       | ENGINE WIRE              | O       | RR UPR MAIN WIRE      |
| F       | BATTERY STARTER WIRE     | P       | RR UPR SUB RH WIRE    |
| G       | BATTERY EARTH WIRE       | Q       | HEAD GUARD SW WIRE    |
| H       | ENGINE EARTH WIRE        | R       | HOOD MAIN WIRE        |
| I       | ENGINE SUB WIRE          | S       | MAST SENSOR WIRE      |
| J       | LPG PRESSURE SWITCH WIRE |         |                       |

ENGINE ROOM(4Y-E)

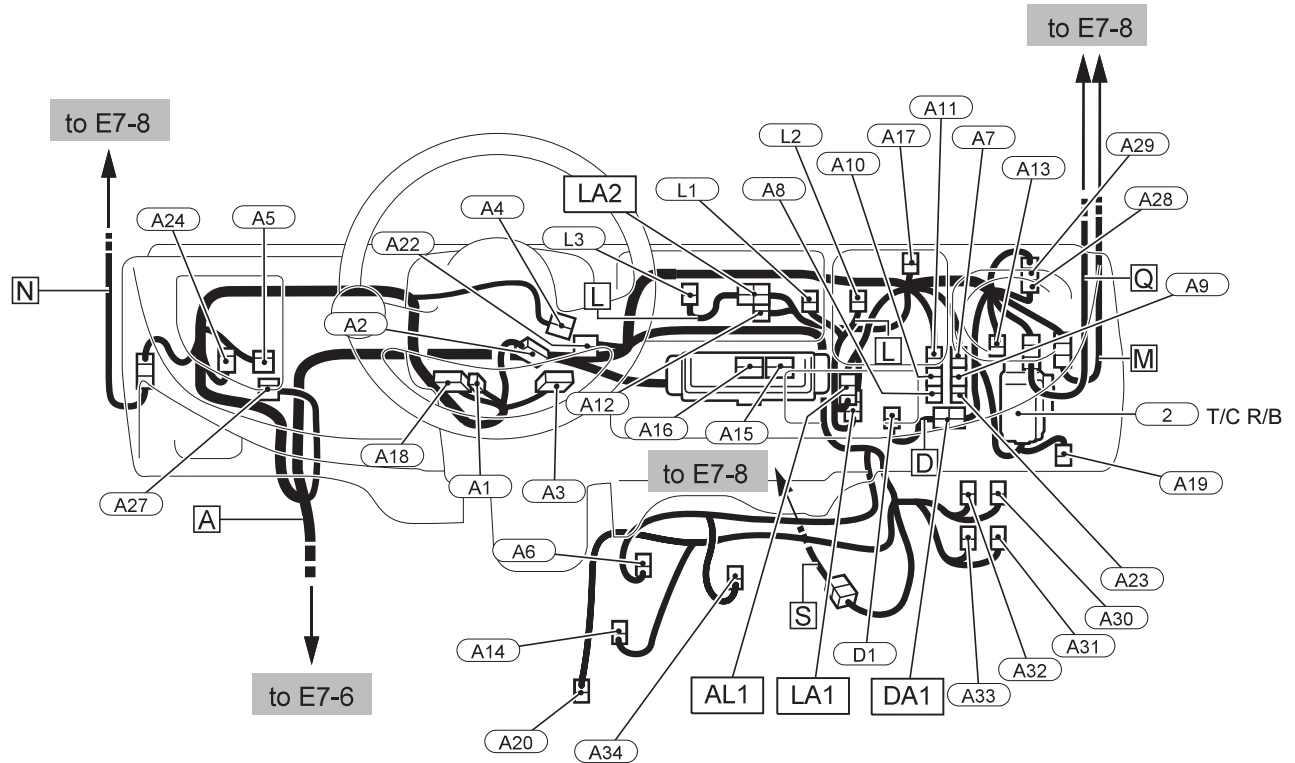


## ELECTRICAL WIRING ROUTINGS

|            |                                      |            |   |
|------------|--------------------------------------|------------|---|
| <b>E1</b>  | THROTTLE POSITION SENSOR(WITH MOTOR) | <b>IE1</b> | } ENGINE SUB WIRE to ENGINE WIRE            |
| <b>E2</b>  | LPG INJECTOR                         | <b>IE2</b> |   |
| <b>E3</b>  | INJECTOR NO.3                        | <b>IJ1</b> | ENGINE SUB WIRE to LPG PRESSURE SWITCH WIRE |
| <b>E4</b>  | INJECTOR NO.4                        |            |   |
| <b>E5</b>  | VACUUM SENSOR                        |            |   |
| <b>E6</b>  | INJECTOR NO.2                        | <b>EC</b>  | ENGINE UPPER EARTH                          |
| <b>E7</b>  | FCM STEP MOTOR                       | <b>ED</b>  | ENGINE UPPER EARTH                          |
| <b>E8</b>  | INJECTOR NO.1                        | <b>GE</b>  | REAR PILLAR LEFT UNDER EARTH                |
| <b>E9</b>  | ALTERNATOR                           | <b>HF</b>  | BODY EARTH                                  |
| <b>E10</b> | ALTERNATOR                           |            |   |
| <b>E11</b> | WATER TEMPERATURE SENDER             |            |   |
| <b>E12</b> | WATER TEMPERATURE SENSOR             |            |   |
| <b>E13</b> | G2 SENSOR                            |            |   |
| <b>E14</b> | DISTRIBUTOR                          |            |   |
| <b>E15</b> | IGNITION COIL                        |            |   |
| <b>E16</b> | OIL PRESSURE SWITCH                  |            |   |
| <b>E17</b> | STARTER                              |            |   |
| <b>E18</b> | TACHO CHECK                          |            |   |
| <b>E30</b> | ALTERNATOR                           |            |   |
| <b>F1</b>  | STARTER                              |            |   |
| <b>F2</b>  | BATTERY                              |            |   |
| <b>G1</b>  | BATTERY                              |            |   |
| <b>H1</b>  | STARTER                              |            |   |
| <b>I1</b>  | LPG SOLENOID(SLOW)                   |            |   |
| <b>I2</b>  | LPG SOLENOID(MAIN)                   |            |   |
| <b>I3</b>  | LPG RESISTOR                         |            |   |
| <b>I4</b>  | LPG WARNING BUZZER                   |            |   |
| <b>I5</b>  | LPG WARNING RELAY                    |            |   |
| <b>J1</b>  | LPG PRESSURE SWITCH(+)               |            |   |
| <b>J2</b>  | LPG PRESSURE SWITCH(-)               |            |   |

## INSTRUMENT PANEL

- |                                |                             |                           |
|--------------------------------|-----------------------------|---------------------------|
| <b>A</b> BODY MAIN WIRE        | <b>M</b> FR STAY WIRE RH    | <b>S</b> MAST SENSOR WIRE |
| <b>D</b> FLASHER WIRE          | <b>N</b> FR STAY WIRE LH    |                           |
| <b>L</b> INSTRUMENT PANEL WIRE | <b>Q</b> HEAD GUARD SW WIRE |                           |

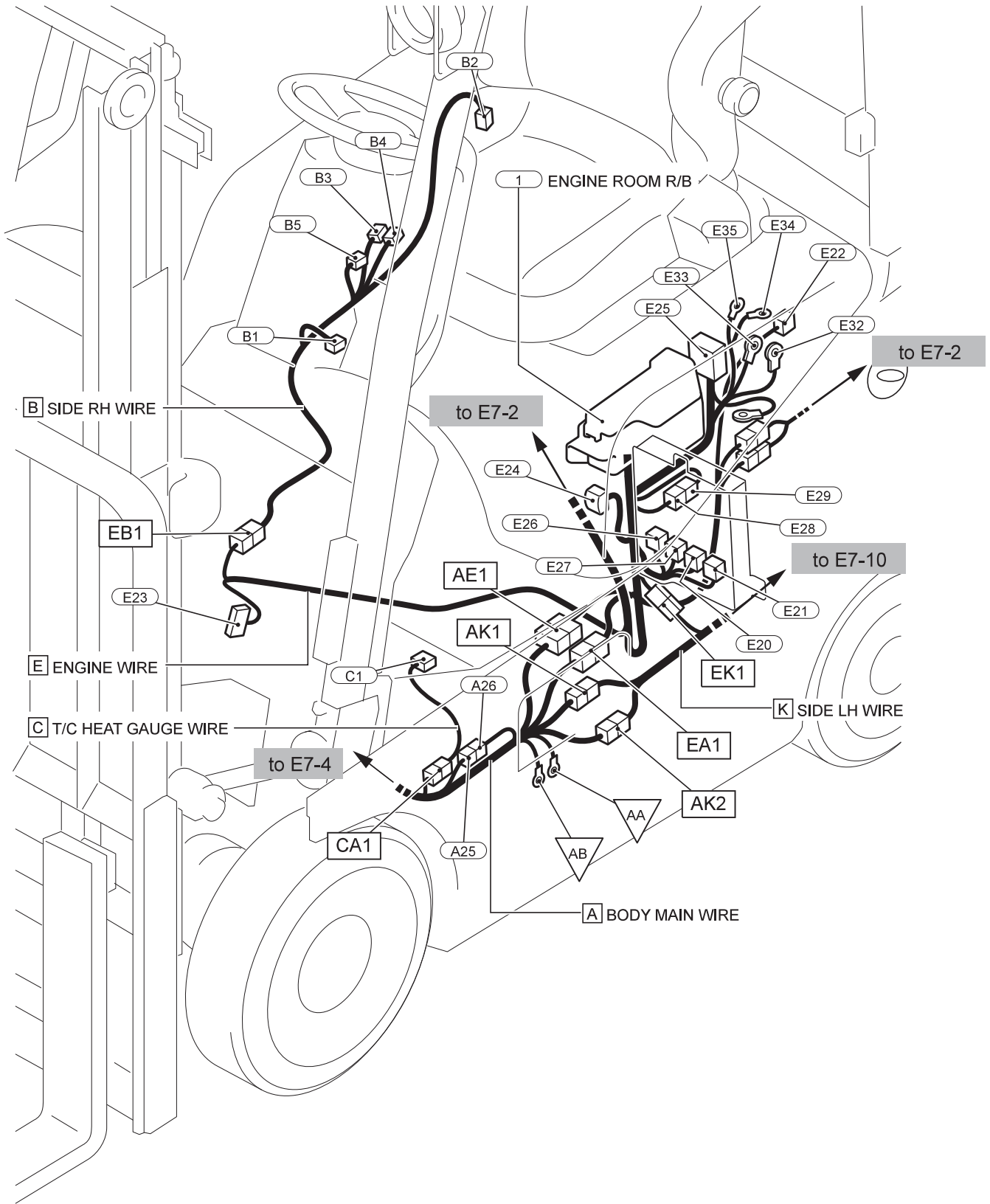




## ELECTRICAL WIRING ROUTINGS

|     |   |
|-----|---|
| A1  | HORN SWITCH                             |
| A2  | IGNITION SWITCH                         |
| A3  | LIGHT CONTROL SWITCH                    |
| A4  | STOP LAMP SWITCH                        |
| A5  | PARKING BRAKE SWITCH                    |
| A6  | PRESSURE SENSOR                         |
| A7  | TILT SOLENOID                           |
| A8  | LIFT SOLENOID                           |
| A9  | UNLOAD SOLENOID                         |
| A10 | TILT SWITCH                             |
| A11 | LIFT SWITCH                             |
| A12 | NEUTRAL TILT SWITCH                     |
| A13 | HORN                                    |
| A14 | SPEED SENSOR                            |
| A15 | SAS/OPS ECU                             |
| A16 | SAS/OPS ECU                             |
| A17 | JUNCTION CONNECTOR(A)                   |
| A18 | LEFT T/C SHIFT SWITCH                   |
| A19 | TILT ANGLE SENSOR                       |
| A20 | SHIFT SOLENOID                          |
| A22 | DIODE                                   |
| A23 | BACK TILT SOLENOID                      |
| A24 | BRAKE WARNING SWITCH                    |
| A27 | OPS WARNING BUZZER                      |
| A28 | JUNCTION CONNECTOR(B)                   |
| A29 | JUNCTION CONNECTOR(B)                   |
| A30 | FRONT SOLENOID RELAY                    |
| A31 | REAR SOLENOID RELAY                     |
| A32 | EZ MAIN RELAY                           |
| A33 | BACK LAMP RELAY                         |
| A34 | EZ PEDAL DIRECTION SWITCH               |
| D1  | FLASHER RELAY                           |
| L1  | COMBINATION METER                       |
| L2  | DISPLAY                                 |
| L3  | 12V POWER SUPPLY                        |
| AL1 | BODY MAIN WIRE to INSTRUMENT PANEL WIRE |
| DA1 | FLASHER WIRE to BODY MAIN WIRE          |
| LA1 | INSTRUMENT PANEL WIRE to BODY MAIN WIRE |
| LA2 |   |

FRONT BODY



## ELECTRICAL WIRING ROUTINGS

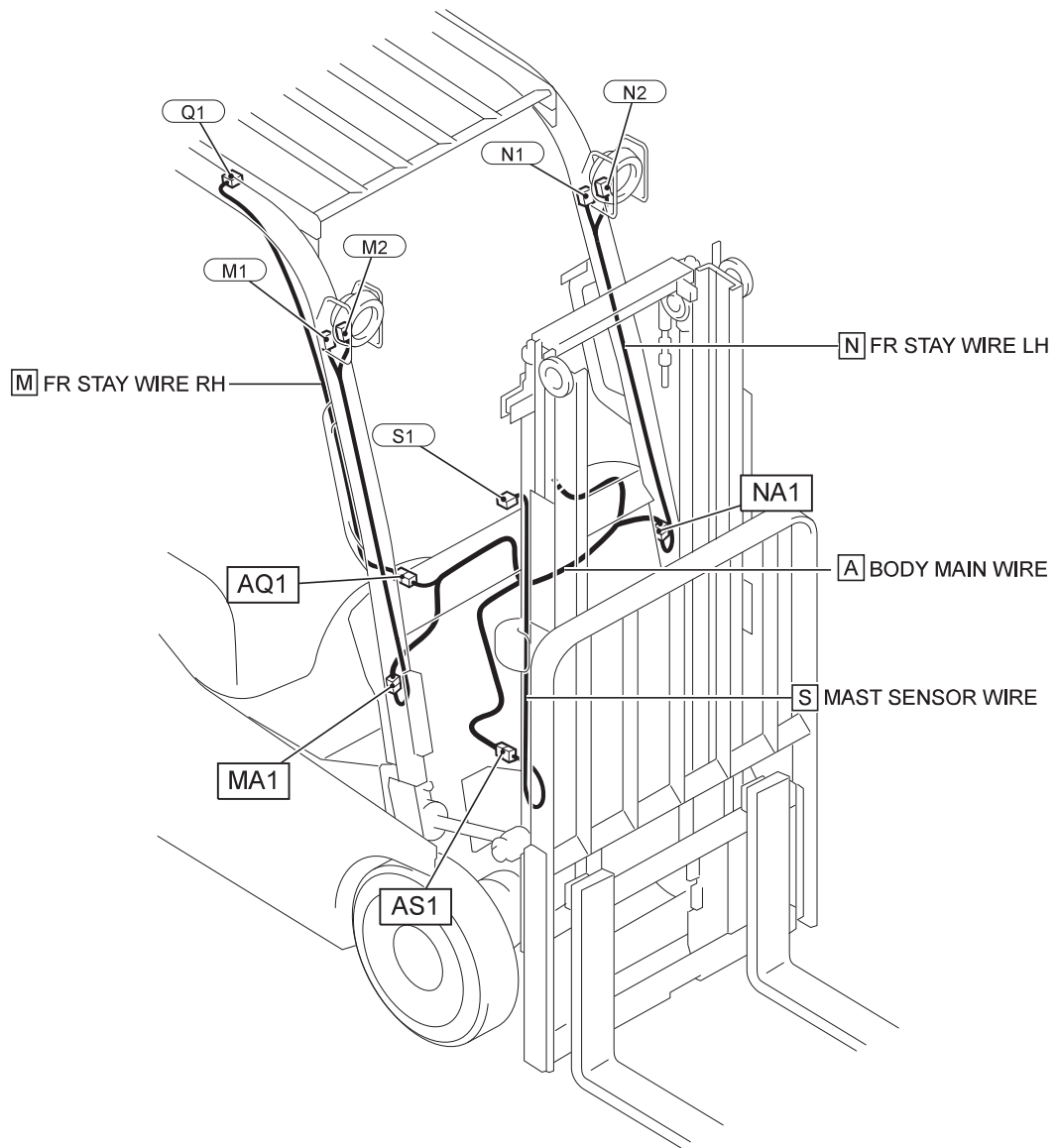
|     |                               |
|-----|-------------------------------|
| A25 | MATCHING CONNECTOR            |
| A26 | MATCHING CONNECTOR            |
| B1  | O2 SENSOR                     |
| B2  | IN AIR SENSOR                 |
| B3  | AIR CLEANER WARNING SWITCH(+) |
| B4  | AIR CLEANER WARNING SWITCH(-) |
| B5  | BACK UP BUZZER                |
| C1  | T/C OIL TEMPERATURE SENSOR    |
| E20 | ENGINE ECU                    |
| E21 | ENGINE ECU                    |
| E22 | LPG CHANGE SWITCH             |
| E23 | ACCEL SENSOR                  |
| E24 | DIAGNOSIS                     |
| E25 | FUSIBLE LINK BLOCK            |
| E26 | ENGINE ECU                    |
| E27 | ENGINE ECU                    |
| E28 | JUNCTION CONNECTOR(C)         |
| E29 | JUNCTION CONNECTOR(C)         |
| E32 | DISCONNECT SWITCH(BATT)       |
| E33 | DISCONNECT SWITCH(BATT)       |
| E34 | DISCONNECT SWITCH(ALT)        |
| E35 | DISCONNECT SWITCH(ALT)        |

|     |                                       |
|-----|---------------------------------------|
| AE1 | BODY MAIN WIRE to ENGINE WIRE         |
| AK1 | BODY MAIN WIRE to SIDE LH WIRE        |
| AK2 |                                       |
| CA1 | T/C HEAT GAUGE WIRE to BODY MAIN WIRE |
| EA1 | ENGINE WIRE to BODY MAIN WIRE         |
| EB1 | ENGINE WIRE to SIDE RH WIRE           |
| EK1 | ENGINE WIRE to SIDE LH WIRE           |

AA FRONT PLATE LEFT OUTSIDE EARTH

AB FRONT PLATE LEFT OUTSIDE EARTH

MAST AREA



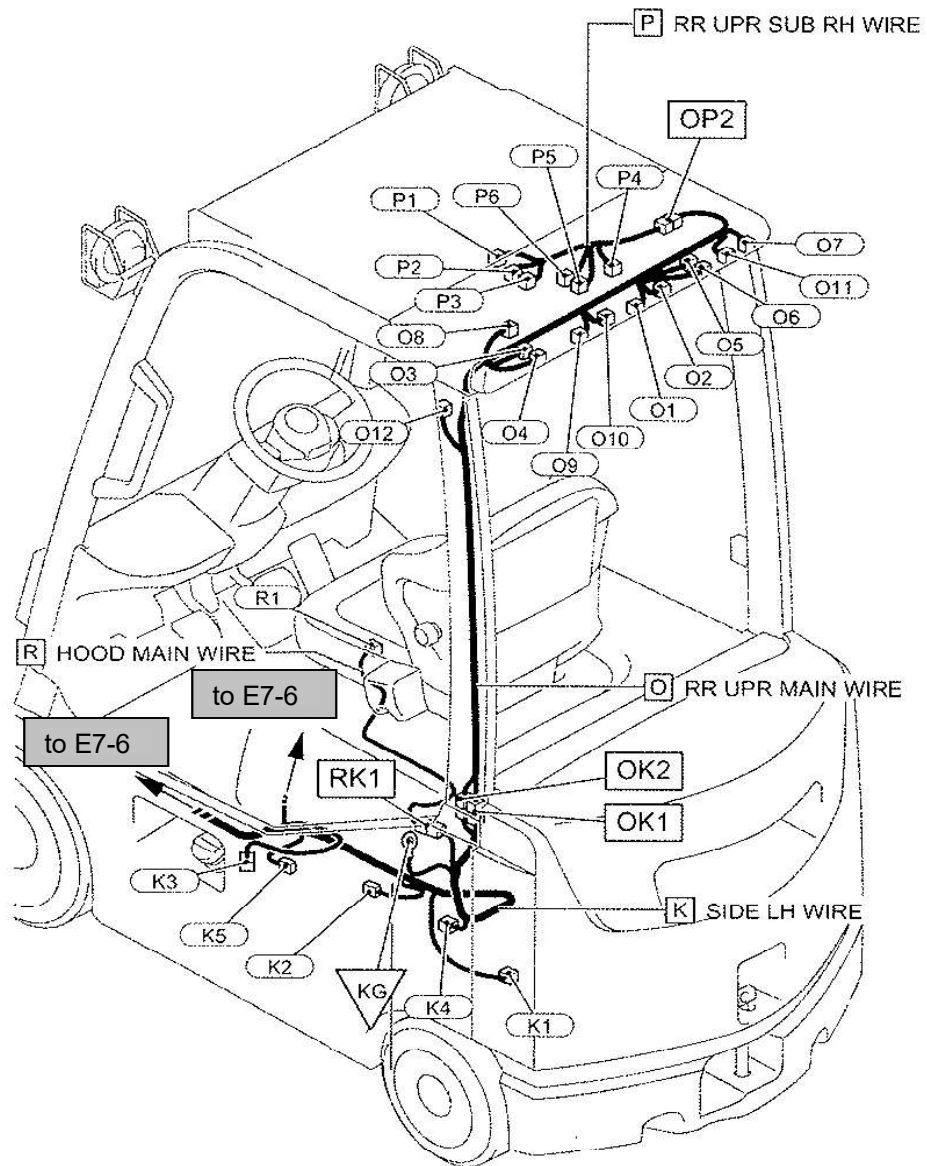
ELECTRICAL WIRING ROUTINGS

---

|    |                              |
|----|------------------------------|
| M1 | HEAD LAMP RIGHT              |
| M2 | FRONT COMBINATION LAMP RIGHT |
| N1 | HEAD LAMP LEFT               |
| N2 | FRONT COMBINATION LAMP LEFT  |
| Q1 | LPG WARNING SWITCH           |
| S1 | MAST SWITCH                  |

|     |                                      |
|-----|--------------------------------------|
| AQ1 | BODY MAIN WIRE to HEAD GUARD SW WIRE |
| AS1 | BODY MAIN WIRE to MAST SENSOR WIRE   |
| MA1 | FR STAY WIRE RH to BODY MAIN WIRE    |
| NA1 | FR STAY WIRE LH to BODY MAIN WIRE    |

REAR BODY



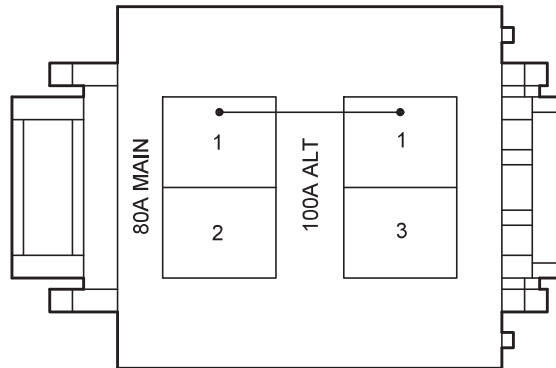
## ELECTRICAL WIRING ROUTINGS

|     |                                 |
|-----|---------------------------------|
| K1  | SWING LOCK SOLENOID             |
| K2  | YAW RATE SENSOR                 |
| K3  | FUEL SENDER GAUGE & FUEL PUMP   |
| K4  | RADIATOR WARNING SWITCH         |
| K5  | IGNITER                         |
| O1  | REAR COMBINATION LAMP LEFT      |
| O2  | REAR COMBINATION LAMP RIGHT     |
| O3  | BEACON LAMP(+)                  |
| O4  | BEACON LAMP(-)                  |
| O5  | SMART ALARM(+)                  |
| O6  | SMART ALARM(-)                  |
| O7  | REAR HORN SWITCH                |
| O8  | LED REAR COMBINATION LAMP LEFT  |
| O9  | RESISTOR(STOP LAMP)             |
| O10 | RESISTOR(TURN LAMP)             |
| O11 | LED REAR COMBINATION LAMP RIGHT |
| O12 | DIGGE(LED REAR COMBINATION)     |
| P1  | COMPARTMENT LAMP                |
| P2  | COMPARTMENT LAMP SWITCH(+)      |
| P3  | COMPARTMENT LAMP SWITCH(-)      |
| P4  | WORK LAMP                       |
| P5  | WORK LAMP SWITCH(+)             |
| P6  | WORK LAMP SWITCH(-)             |
| R1  | SEAT SWITCH                     |

|     |  |
|-----|--|
| DK1 | RR UPR MAIN WIRE to SIDE LH WIRE       |
| DK2 | RR UPR MAIN WIRE to RR UPR SUB RH WIRE |
| DP2 | RR UPR MAIN WIRE to RR UPR SUB RH WIRE |
| RK1 | HOOD MAIN WIRE to SIDE LH WIRE         |

|    |                            |
|----|----------------------------|
| KG | RR PILLAR LEFT UNDER EARTH |
|----|----------------------------|

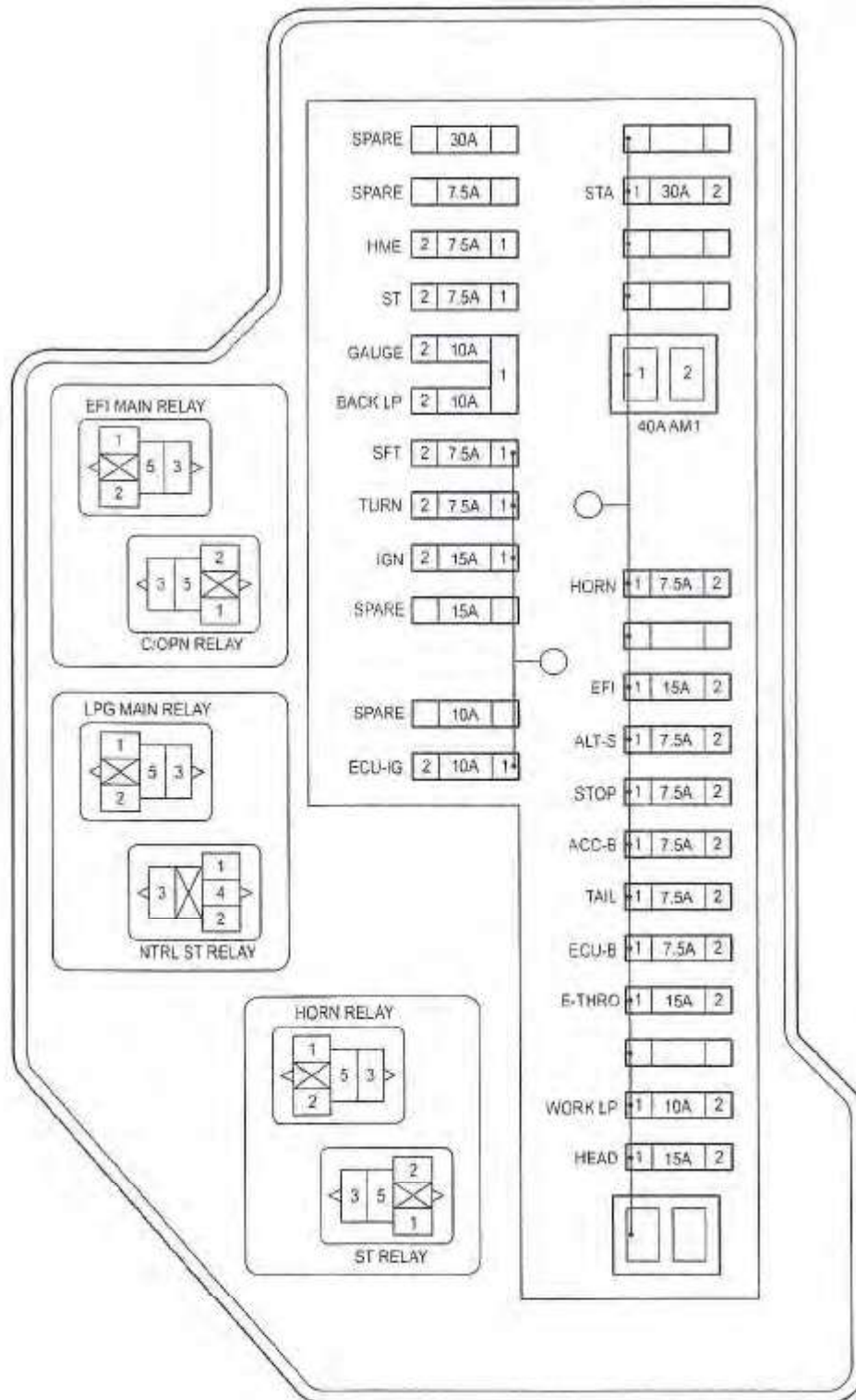
# FUSIBLE LINK BLOCK ASSY : ENGINE ROOM LEFT



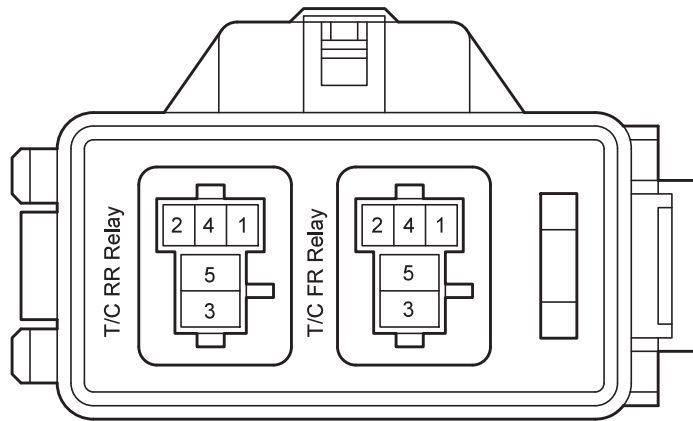


RELAY LOCATIONS

① ENGINE ROOM R/B : ENGINE ROOM LEFT

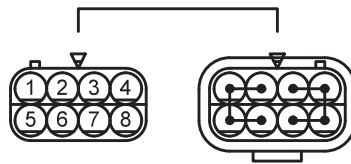


② T/C R/B : INSTRUMENT PANEL RIGHT



# JUNCTION CONNECTOR

GRAY (A17) JUNCTION CONNECTOR (A)



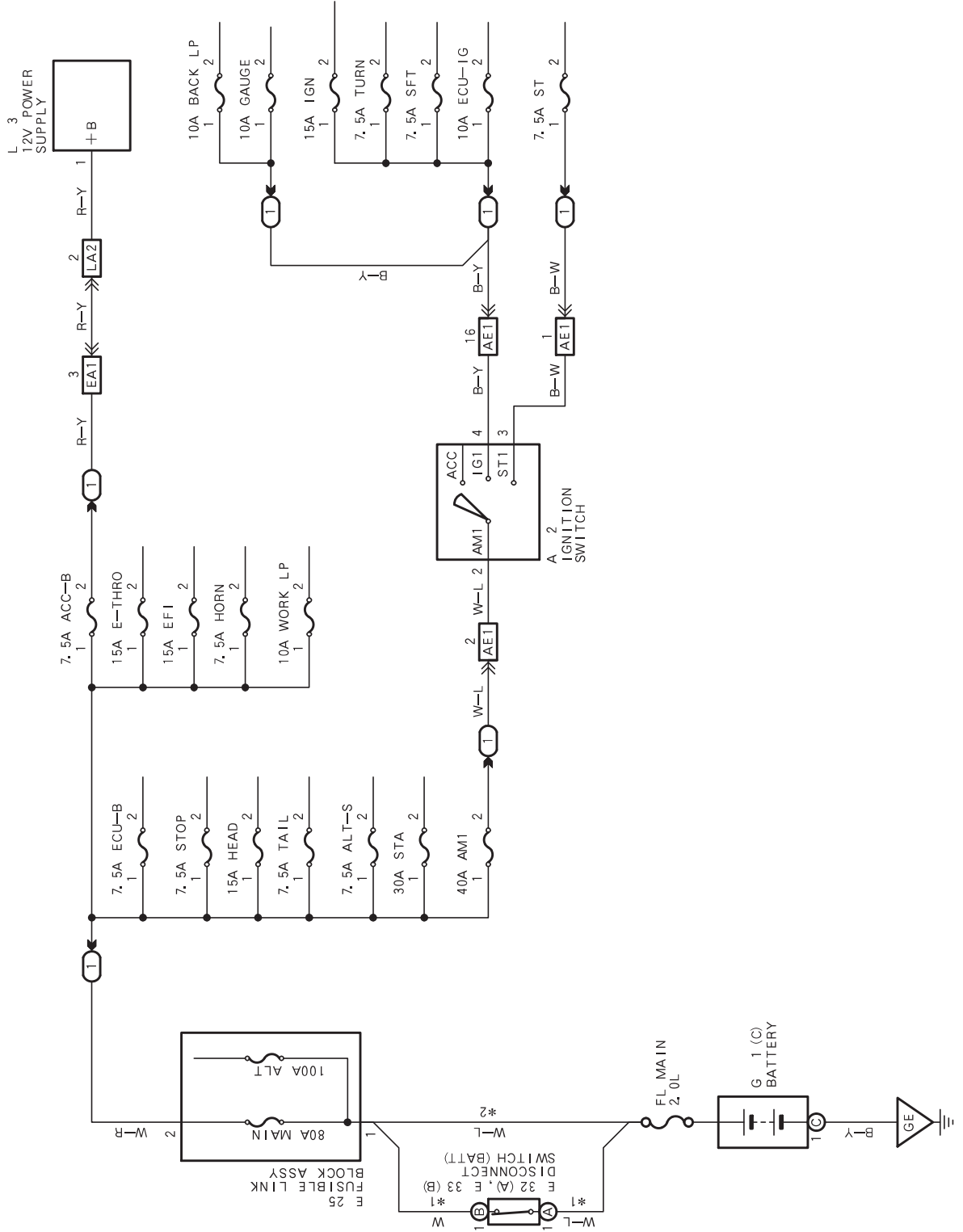


## CHAPTER 8 SYSTEM CIRCUITS

|   |       |
|---|-------|
| POWER SOURCE                            |       |
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| CHARGING .....                          | E8-4  |
| STARTING .....                          | E8-6  |
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| SAS/OPS SYSTEM .....                    | E8-22 |
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| COMBINATION METER .....                 | E8-34 |
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| LIGHTING SYSTEM                         |       |
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| BACK UP LAMP BUZZER & SMART ALARM ..... | E8-48 |
| STOP LAMP .....                         | E8-50 |
| COMMUNICATION SYSTEM                    |       |
| CAN .....                               | E8-52 |
| OTHER                                   |       |
| EARTH TO EARTH .....                    | E8-54 |

POWER SOURCE

\* 1: LPS TYPE  
 \* 2: EXCEPT LPS TYPE



## POWER SOURCE

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 2  | E7-4     | E 32 | E7-6     | G 1  | E7-2     |      |          |
| E 25 | E7-6,12  | E 33 | E7-6     | L 3  | E7-4     |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

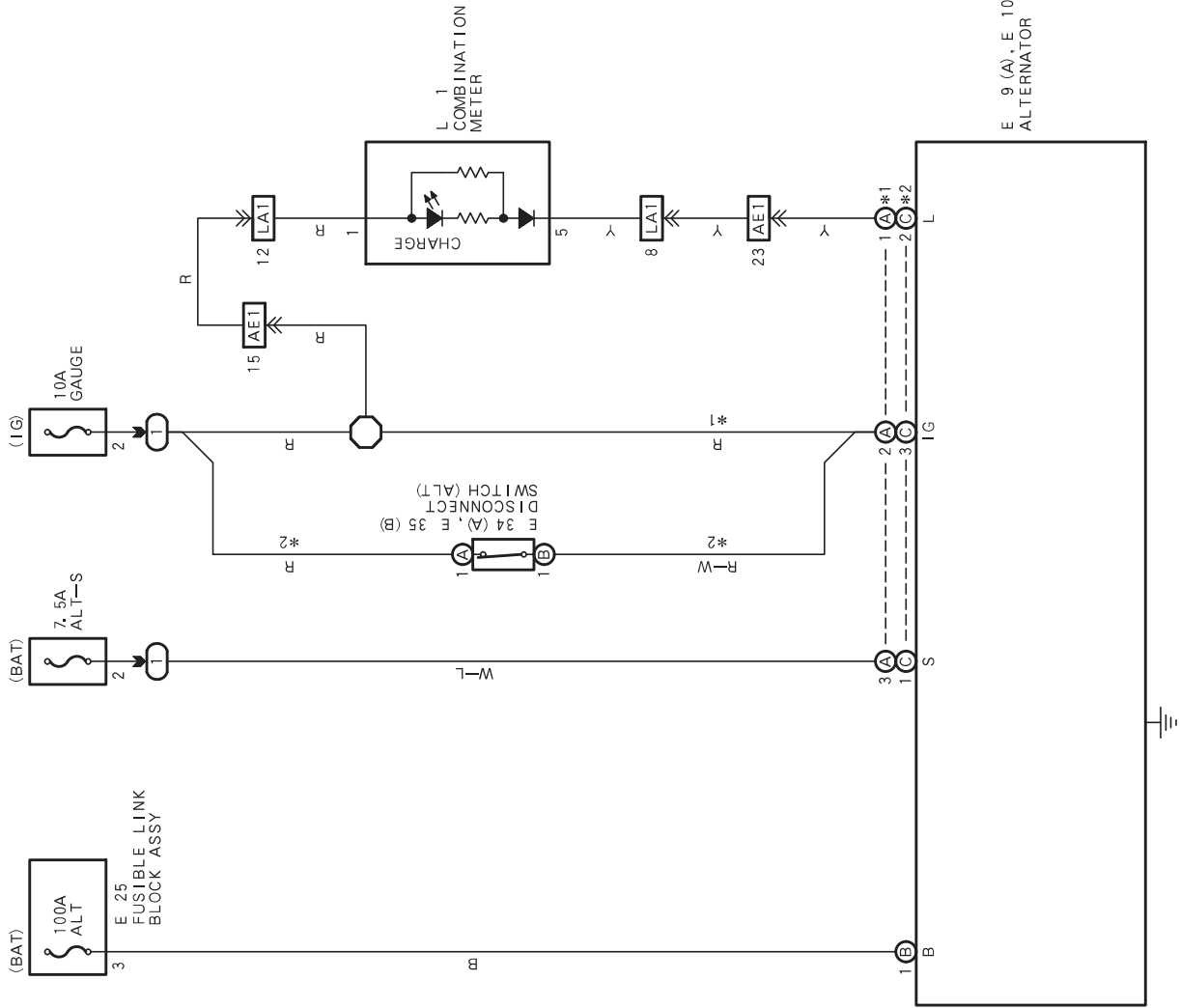
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE           |
| EA1  | E7-6     | ENGINE WIRE to BODY MAIN WIRE           |
| LA2  | E7-4     | INSTRUMENT PANEL WIRE to BODY MAIN WIRE |

## EARTH

| Code | See Page | Name                         |
|------|----------|------------------------------|
| GE   | E7-2     | REAR PILLER LEFT UNDER EARTH |

\* 1: EXCEPT LPS TYPE  
 \* 2: LPS TYPE



E 9 (A), E 10 (B), E 30 (C)  
 ALTERNATOR



## CHARGING

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| E 9  | E7-2     | E 25 | E7-6,12  | E 34 | E7-6     | L 1  | E7-4     |
| E 10 | E7-2     | E 30 | E7-2     | E 35 | E7-6     |      |          |

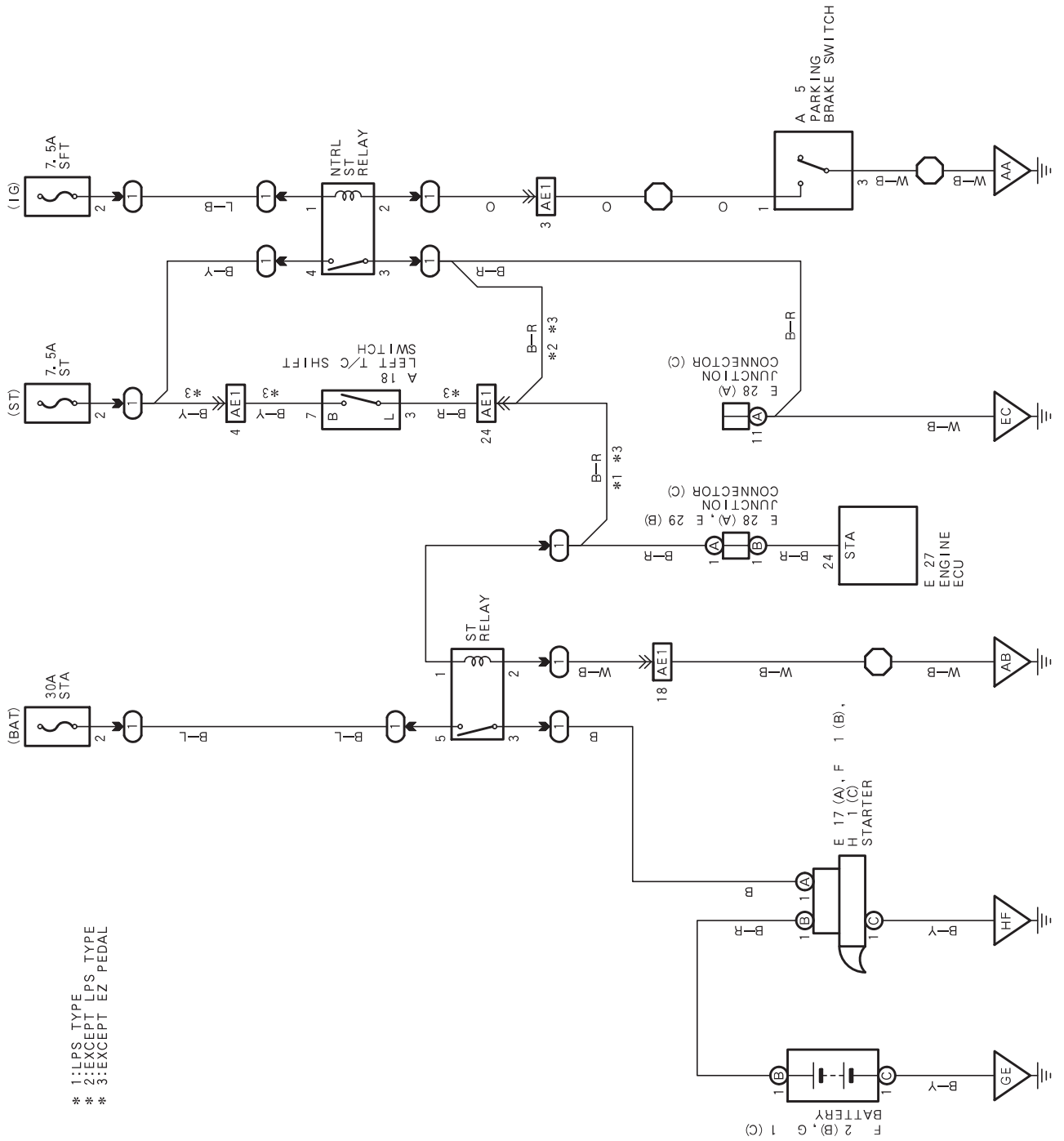
## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE           |
| LA1  | E7-4     | INSTRUMENT PANEL WIRE to BODY MAIN WIRE |

STARTING



## STARTING

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 5  | E7-4     | E 27 | E7-6     | F 1  | E7-2     | H 1  | E7-2     |
| A 18 | E7-4     | E 28 | E7-6     | F 2  | E7-2     |      |          |
| E 17 | E7-2     | E 29 | E7-6     | G 1  | E7-2     |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

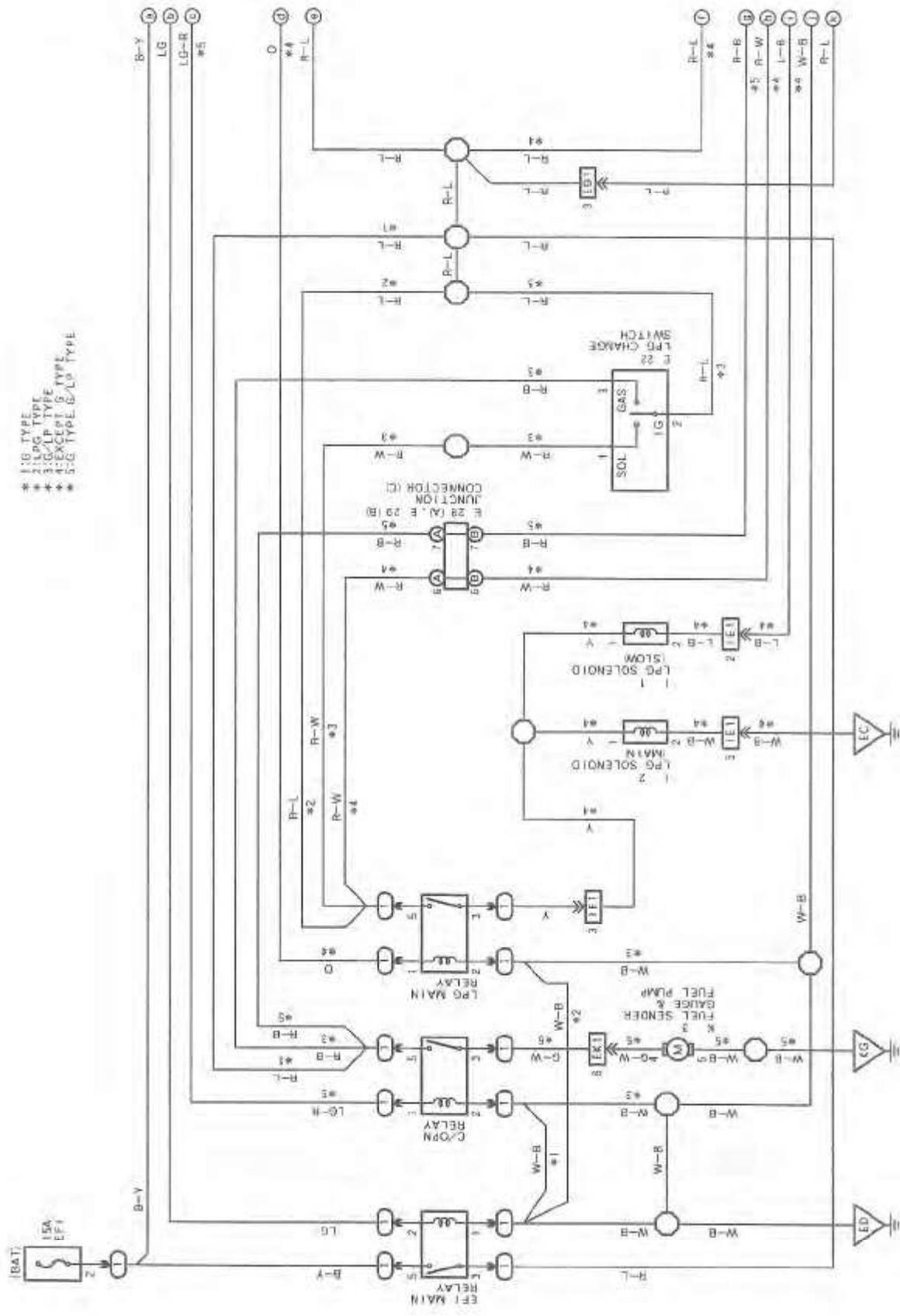
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE         |

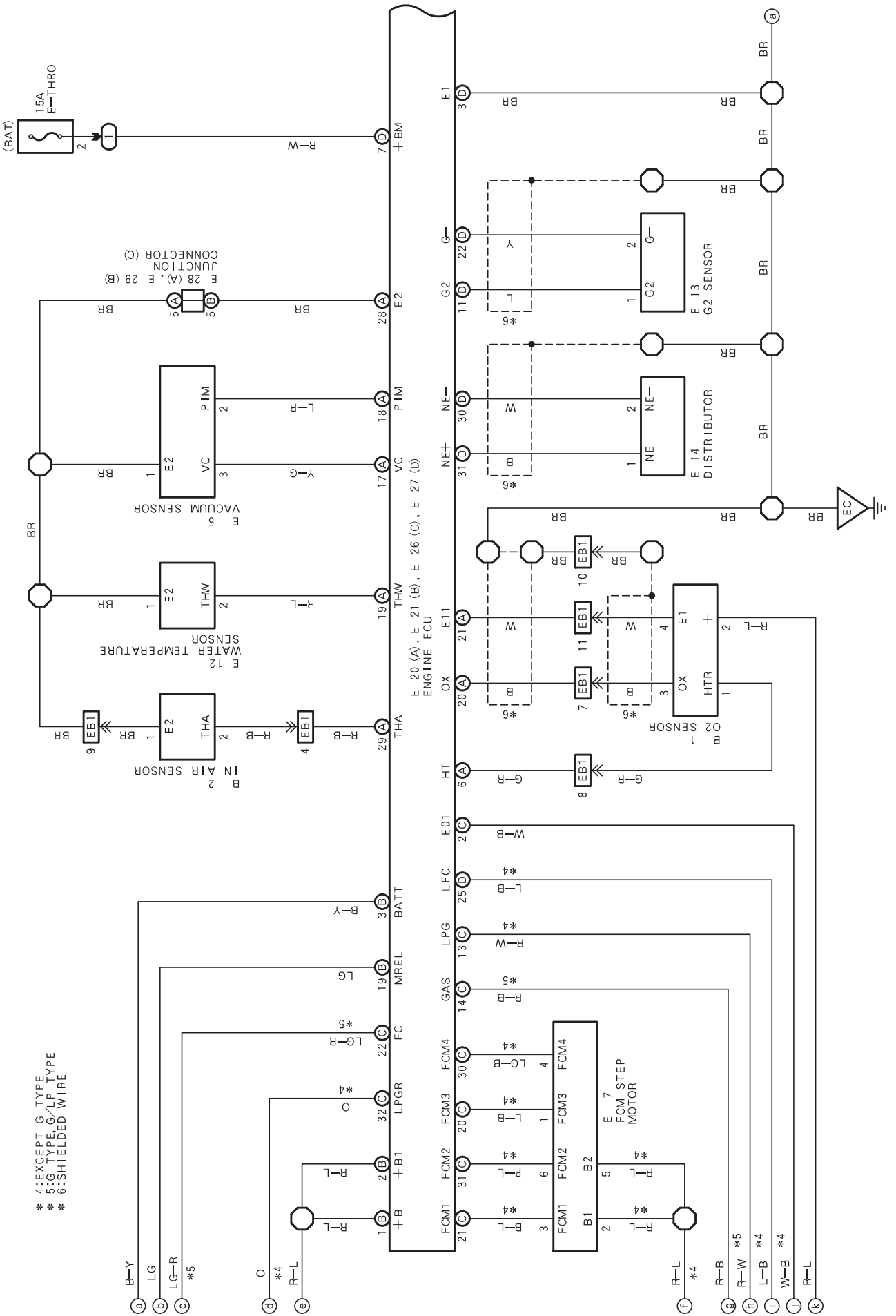
## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| AB   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| EC   | E7-2     | ENGINE UPPER EARTH             |
| GE   | E7-2     | REAR PILLER LEFT UNDER EARTH   |
| HF   | E7-2     | BODY EARTH                     |

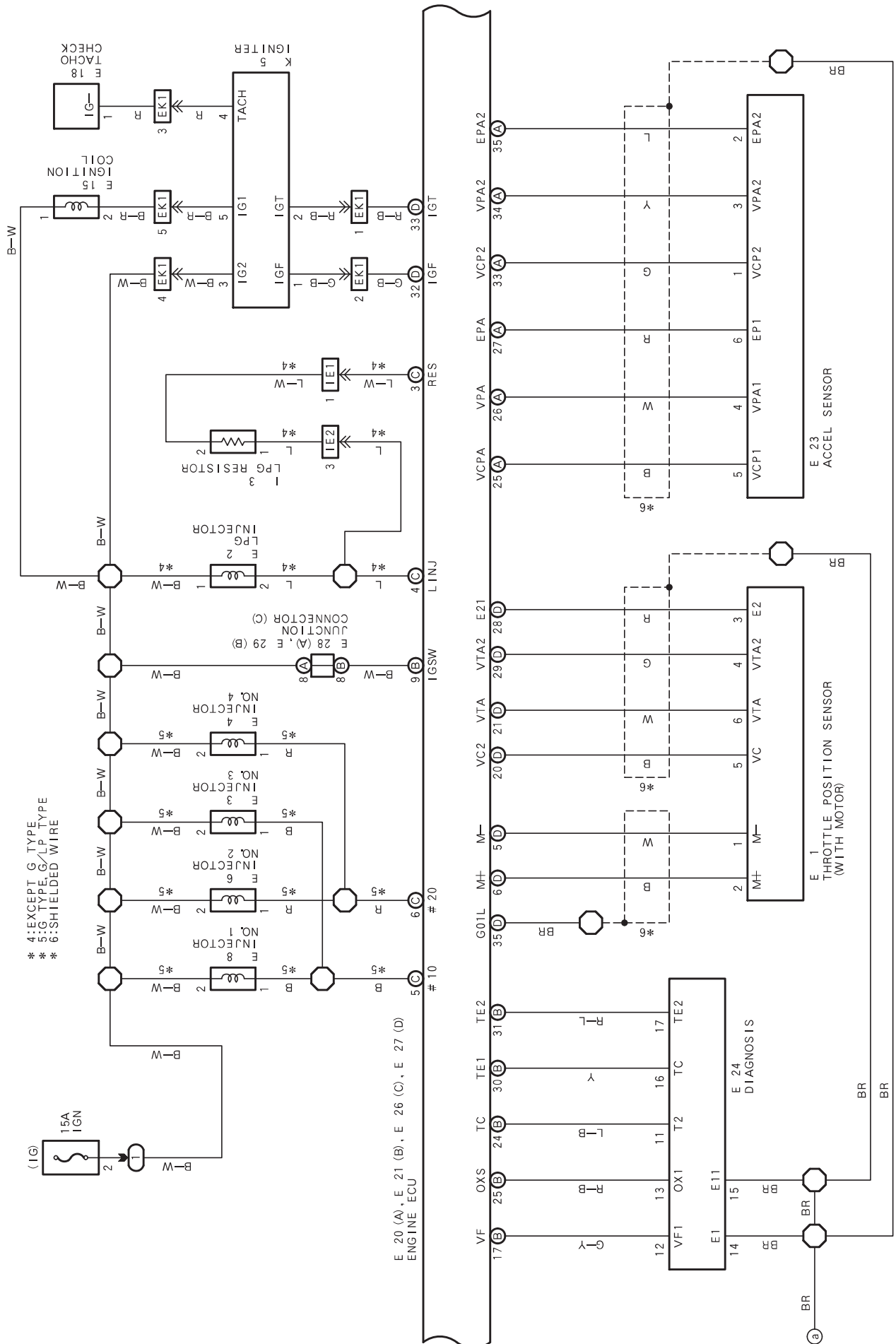
ENGINE CONTROL



ENGINE CONTROL



ENGINE CONTROL



\* 4: EXCEPT G TYPE  
 \* 5: G TYPE/G/LP TYPE  
 \* 6: SHIELDED WIRE

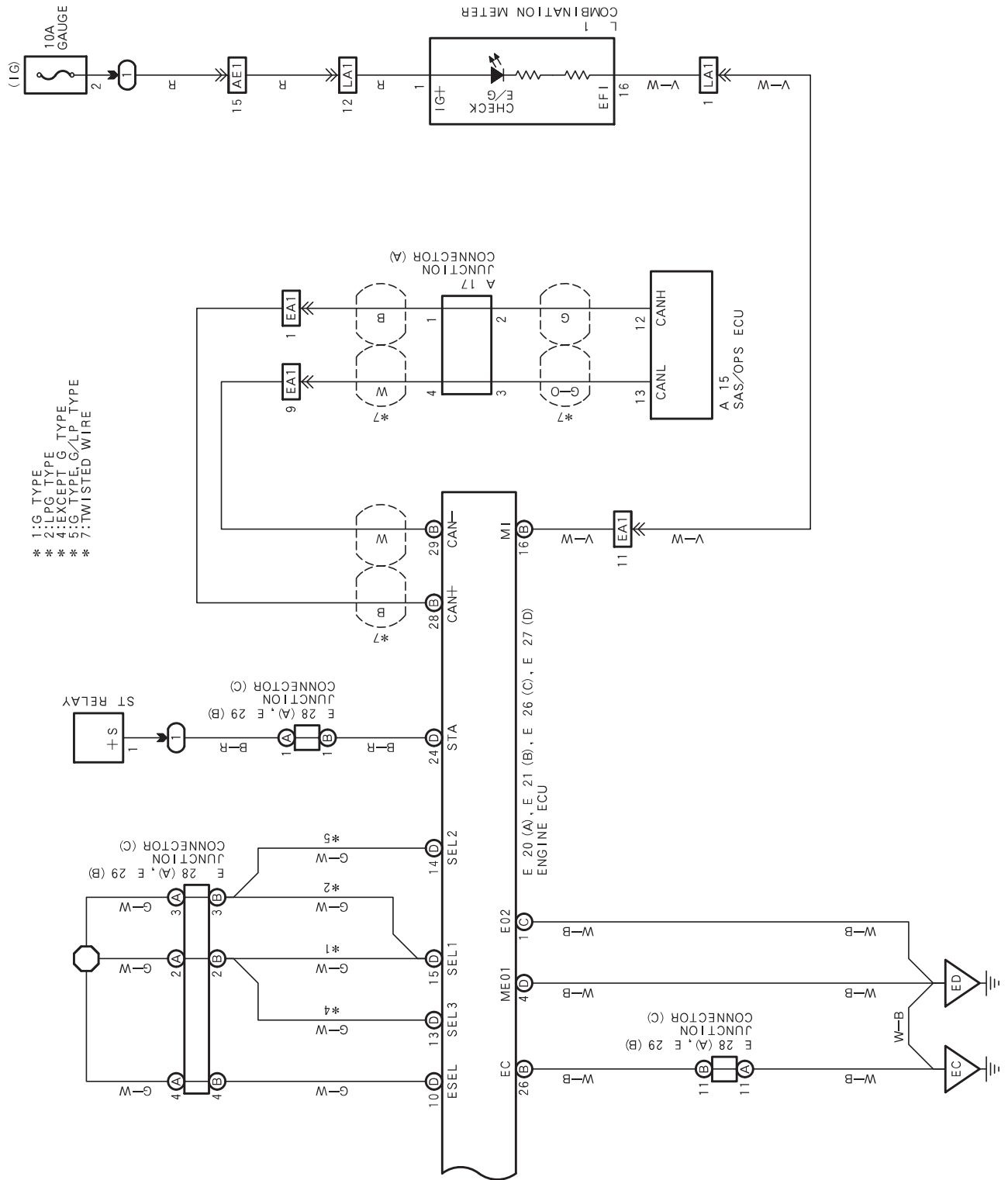
E 20 (A), E 21 (B), E 26 (C), E 27 (D)  
 ENGINE ECU

E 24  
 DIAGNOSIS

E 1  
 THROTTLE POSITION SENSOR  
 (WITH MOTOR)

E 23  
 ACCEL SENSOR

# ENGINE CONTROL



## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 15 | E7-4     | E 5  | E7-2     | E 18 | E7-2     | E 28 | E7-6     |
| A 17 | E7-4     | E 6  | E7-2     | E 20 | E7-6     | E 29 | E7-6     |
| B 1  | E7-6     | E 7  | E7-2     | E 21 | E7-6     | I 1  | E7-2     |
| B 2  | E7-6     | E 8  | E7-2     | E 22 | E7-6     | I 2  | E7-2     |
| E 1  | E7-2     | E 12 | E7-2     | E 23 | E7-6     | I 3  | E7-2     |
| E 2  | E7-2     | E 13 | E7-2     | E 24 | E7-6     | K 3  | E7-10    |
| E 3  | E7-2     | E 14 | E7-2     | E 26 | E7-6     | K 5  | E7-10    |
| E 4  | E7-2     | E 15 | E7-2     | E 27 | E7-6     | L 1  | E7-4     |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE           |
| EA1  | E7-6     | ENGINE WIRE to BODY MAIN WIRE           |
| EB1  | E7-6     | ENGINE WIRE to SIDE RH WIRE             |
| EK1  | E7-6     | ENGINE WIRE to SIDE LH WIRE             |
| IE1  | E7-2     | ENGINE SUB WIRE to ENGINE WIRE          |
| IE2  | E7-2     | ENGINE SUB WIRE to ENGINE WIRE          |
| LA1  | E7-4     | INSTRUMENT PANEL WIRE to BODY MAIN WIRE |

## EARTH

| Code | See Page | Name                         |
|------|----------|------------------------------|
| EC   | E7-2     | ENGINE UPPER EARTH           |
| ED   | E7-2     | ENGINE UPPER EARTH           |
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH |

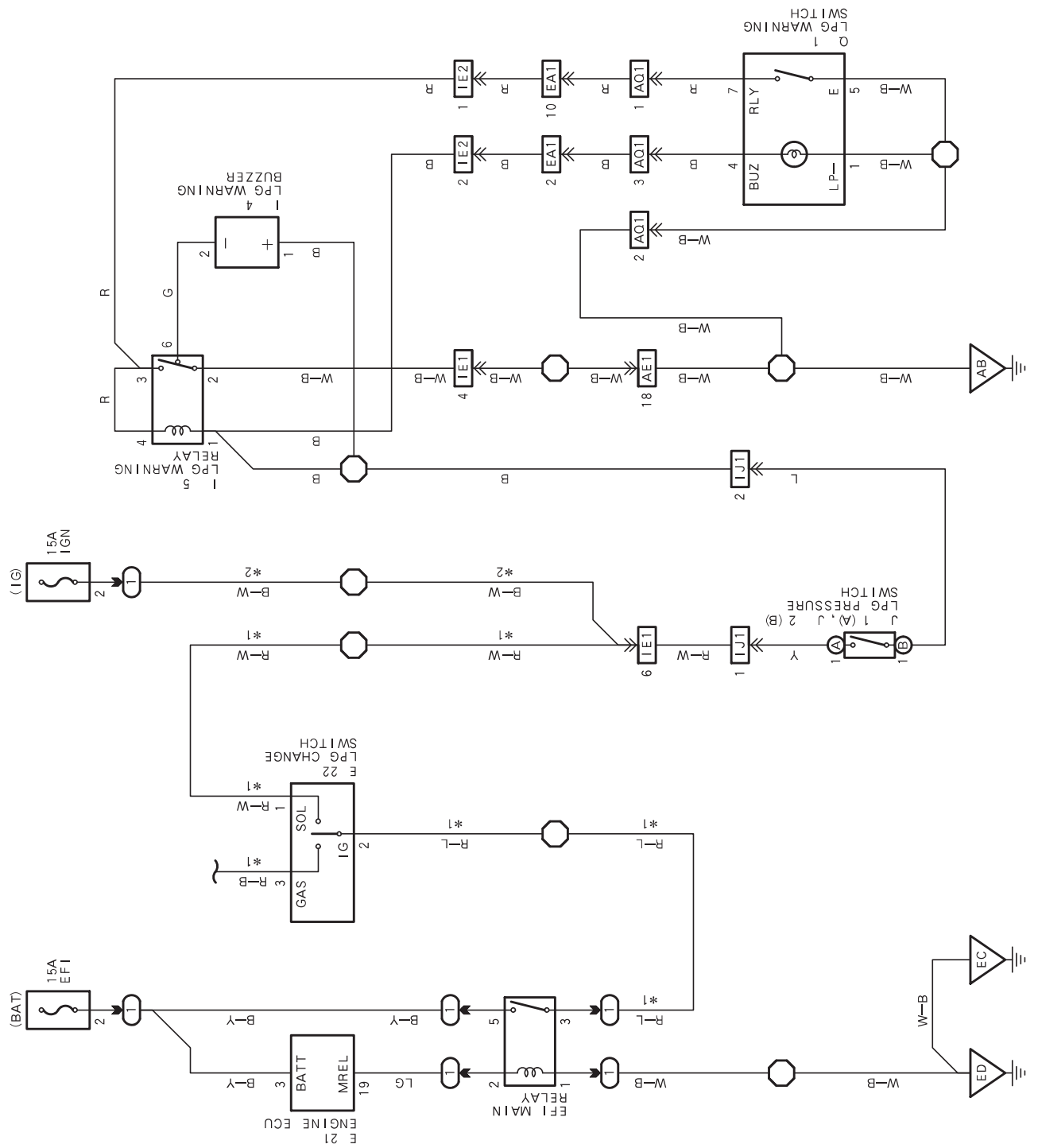


MEMO

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LPG WARNING SYSTEM

\* 1:G/LP TYPE  
 \* 2:LPG TYPE



## LPG WARNING SYSTEM

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| E 21 | E7-6     | I 4  | E7-2     | J 1  | E7-2     | Q 1  | E7-8     |
| E 22 | E7-6     | I 5  | E7-2     | J 2  | E7-2     |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E8-13    | ENGINE ROOM R/B                                 |

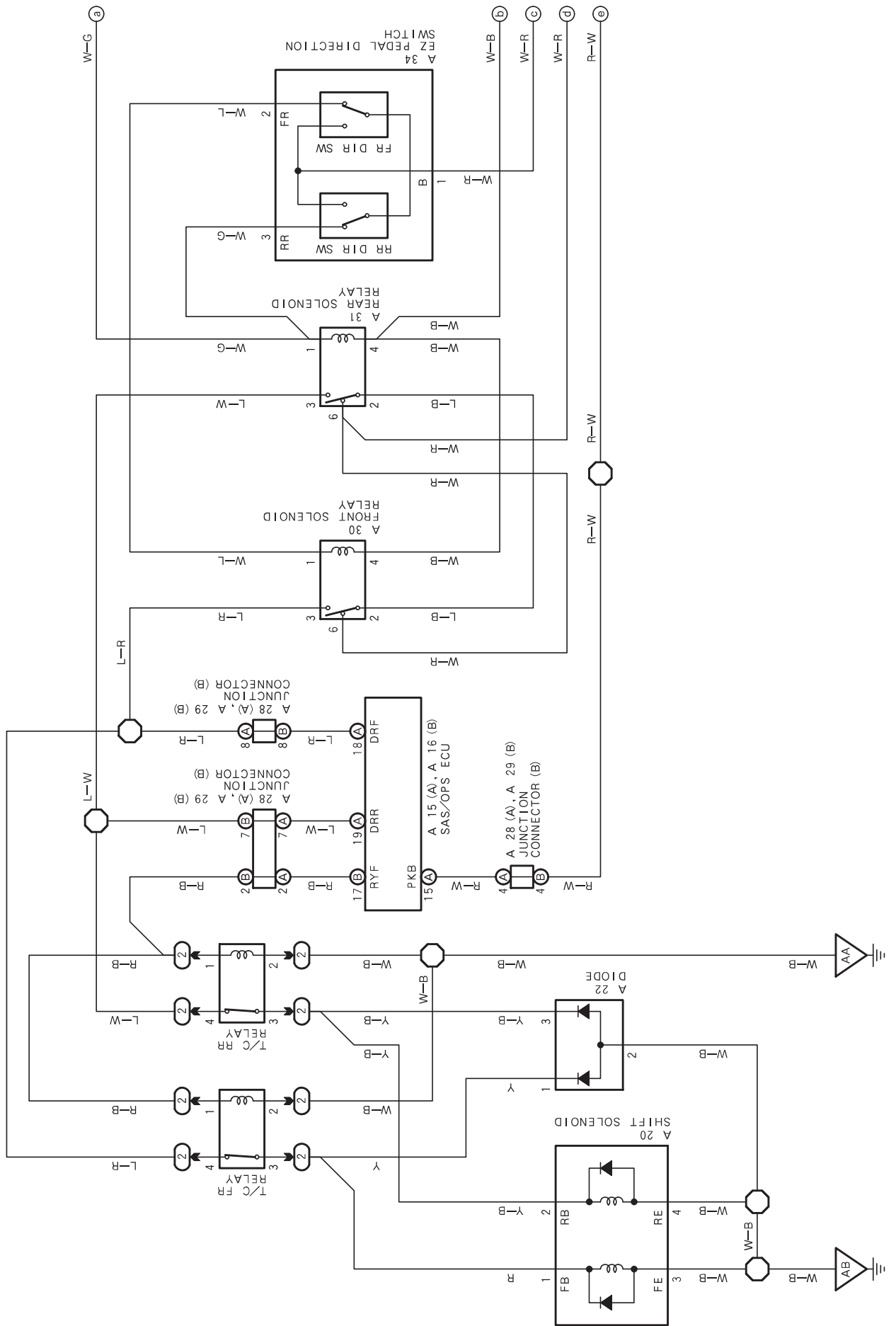
## WIRE TO WIRE

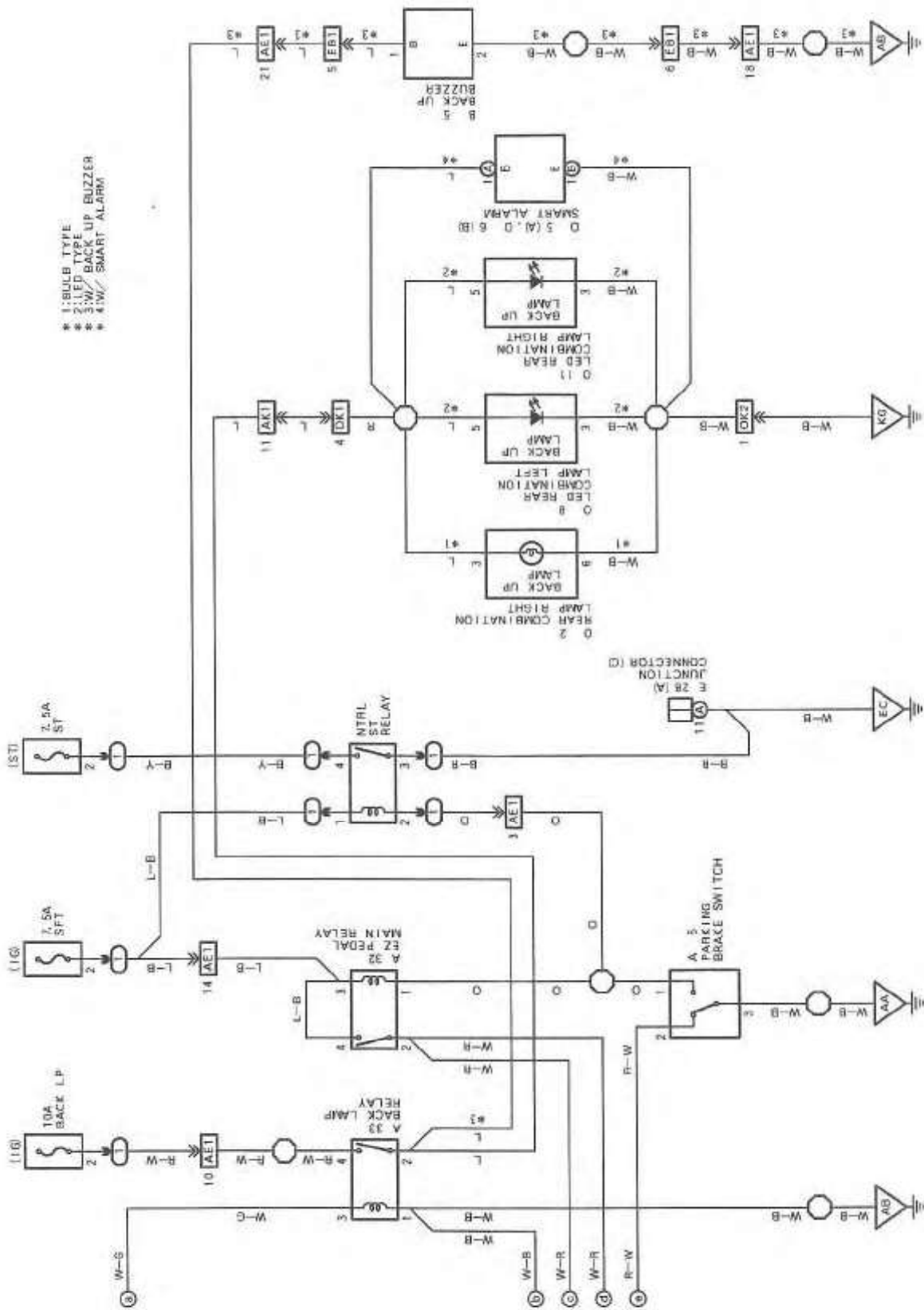
| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE         |
| AQ1  | E7-8     | BODY MAIN WIRE to HEAD GUARD SW WIRE  |
| EA1  | E7-6     | ENGINE WIRE to BODY MAIN WIRE         |
| IE1  | E7-2     | ENGINE SUB WIRE to ENGINE WIRE        |
| IE2  | E7-2     | ENGINE SUB WIRE to ENGINE WIRE        |
| IJ1  | E7-2     | ENGINE SUB WIRE to LPG PRESSURE WIRE  |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AB   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| EC   | E7-2     | ENGINE UPPER EARTH             |
| ED   | E7-2     | ENGINE UPPER EARTH             |

EZ PEDAL





- \* 1: BULB TYPE
- \* 2: LED TYPE
- \* 3: W/ BACK UP BUZZER
- \* 4: W/ SMART ALARM

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 5  | E7-4     | A 28 | E7-4     | A 33 | E7-4     | O 5  | E7-10    |
| A 15 | E7-4     | A 29 | E7-4     | A 34 | E7-4     | O 6  | E7-10    |
| A 16 | E7-4     | A 30 | E7-4     | B 5  | E7-6     | O 8  | E7-10    |
| A 20 | E7-4     | A 31 | E7-4     | E 28 | E7-6     | O 11 | E7-10    |
| A 22 | E7-4     | A 32 | E7-4     | O 2  | E7-10    |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |
| 2    | E7-14    | T/C R/B   |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE         |
| AK1  | E7-6     | BODY MAIN WIRE to SIDE LH WIRE        |
| EB1  | E7-6     | ENGINE WIRE to SIDE RH WIRE           |
| OK1  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| OK2  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |

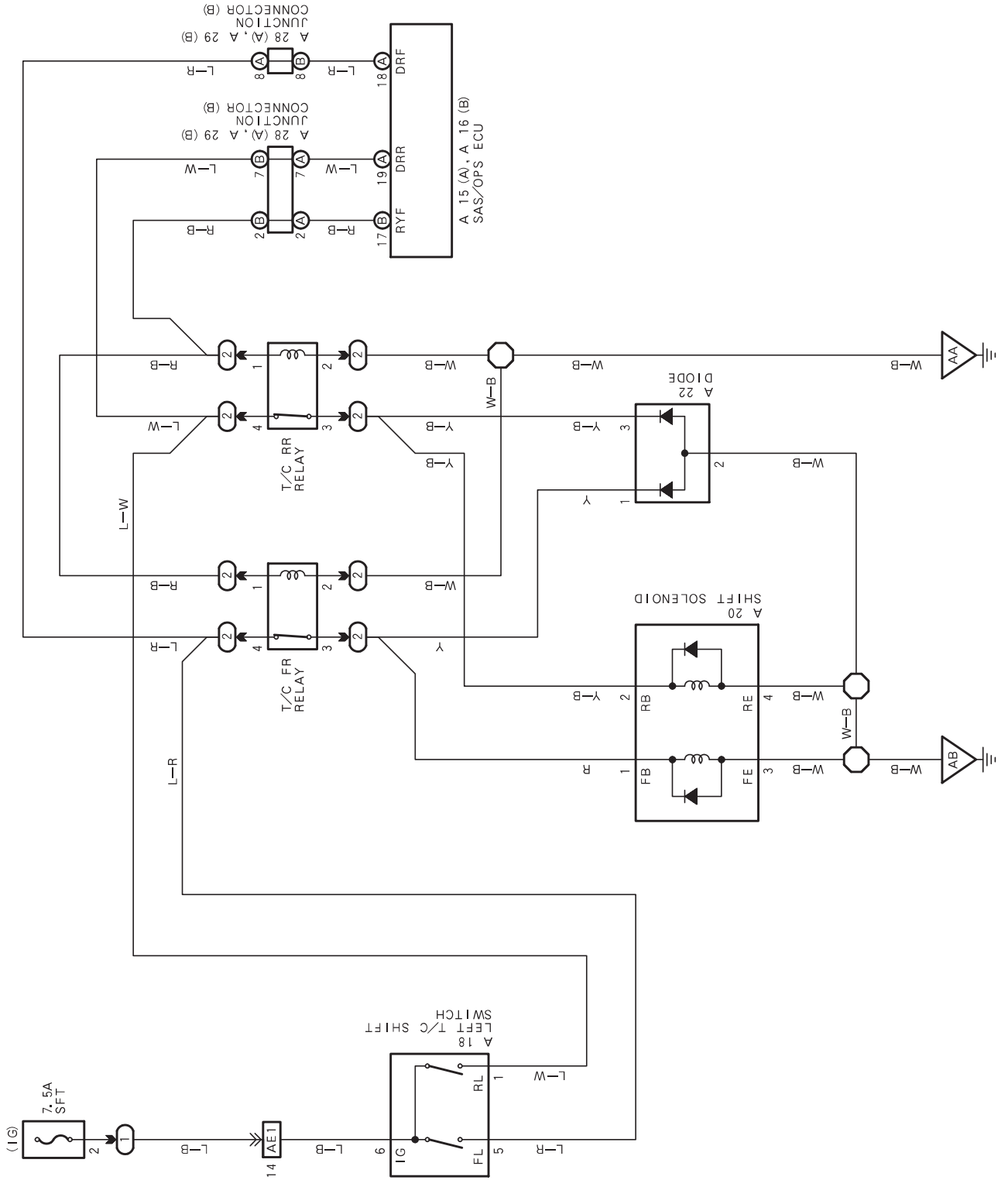
## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| AB   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| EC   | E7-2     | ENGINE UPPER EARTH             |
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH   |

MEMO

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POWER SHIFT TRANSMISSION





## POWER SHIFT TRANSMISSION

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 15 | E7-4     | A 18 | E7-4     | A 22 | E7-4     | A 29 | E7-4     |
| A 16 | E7-4     | A 20 | E-4      | A 28 | E7-4     |      |          |

## RELAY BLOCK , JUNCTION BLOCK

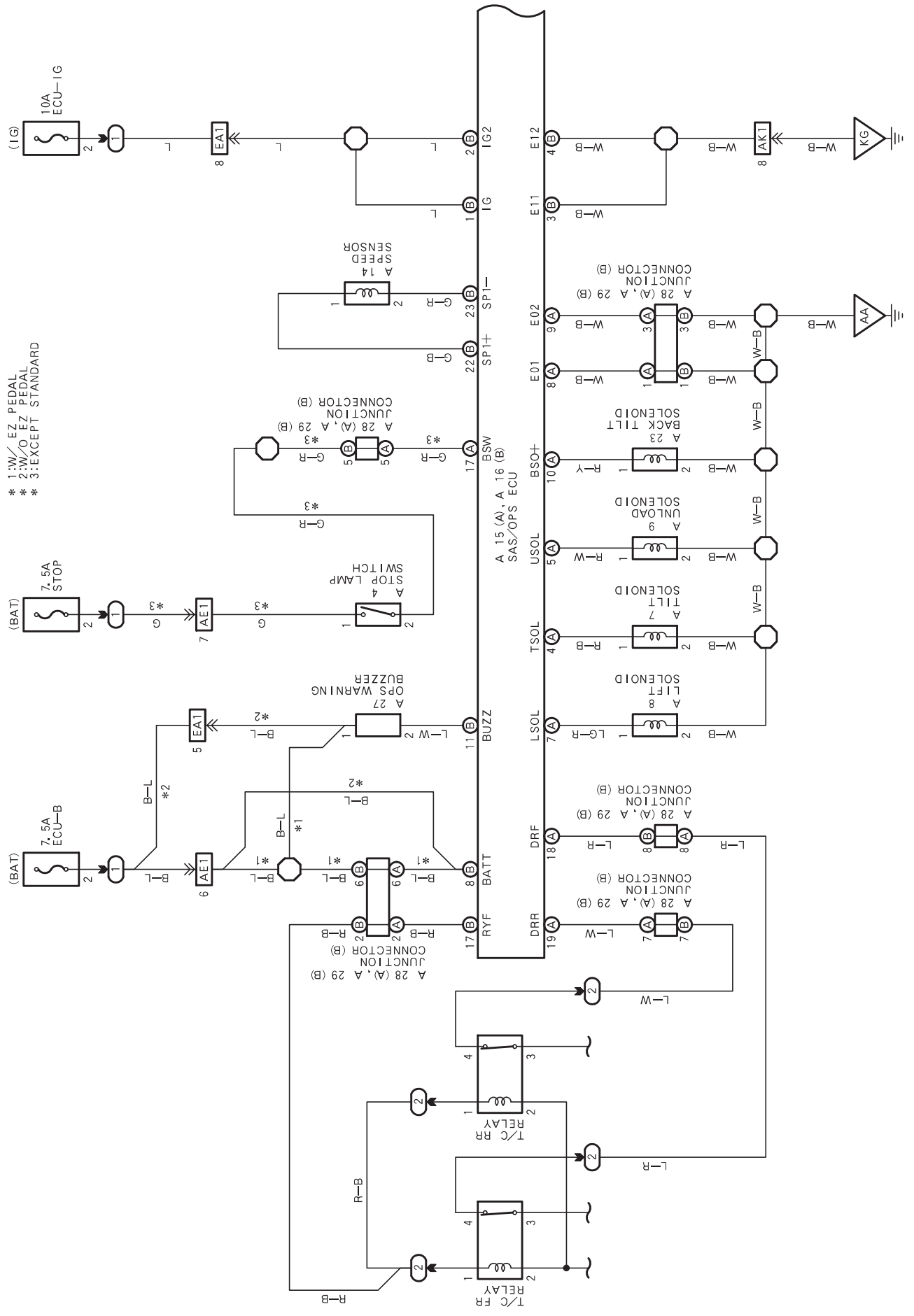
| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |
| 2    | E7-14    | T/C R/B   |

## WIRE TO WIRE

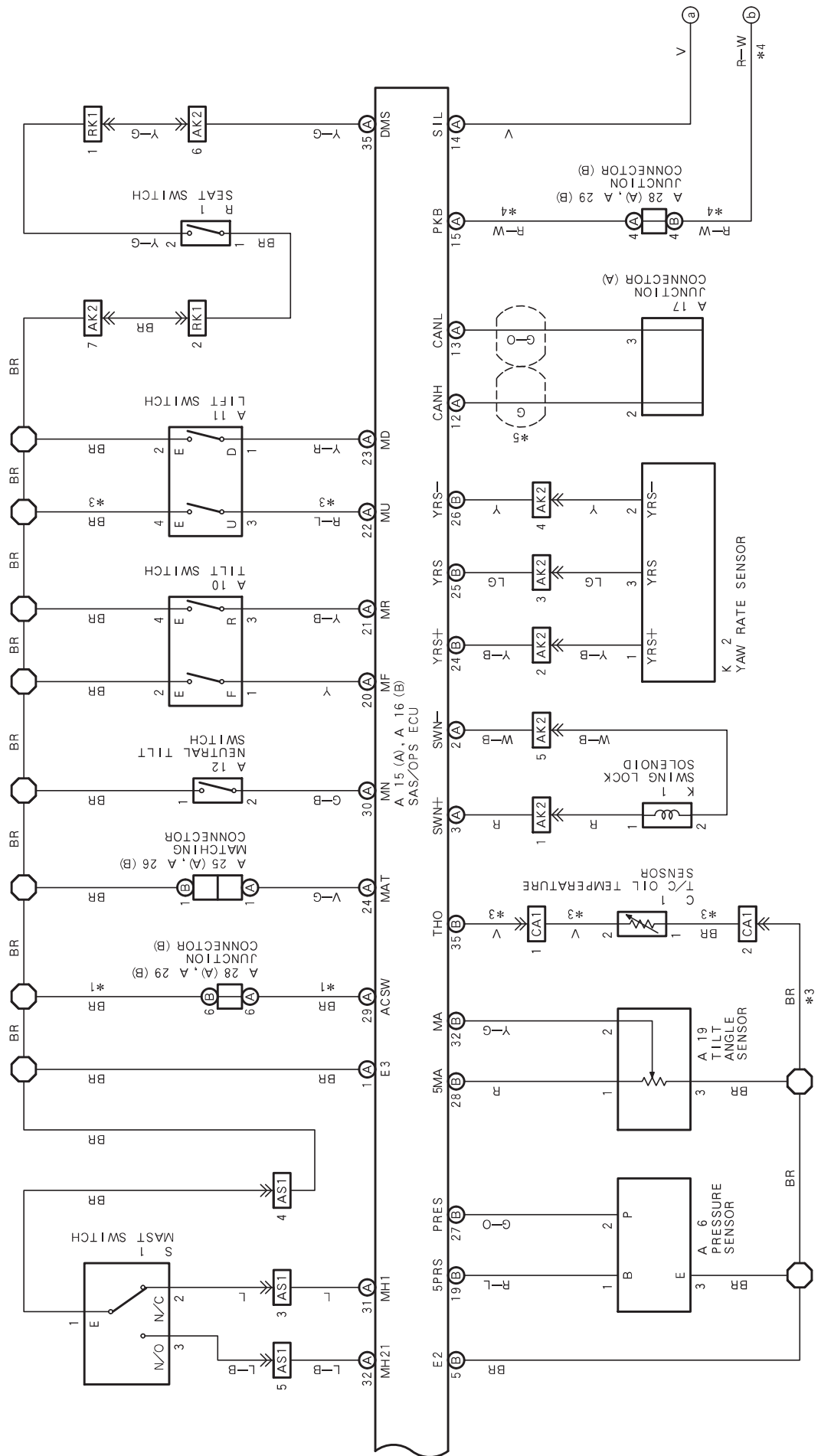
| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE         |

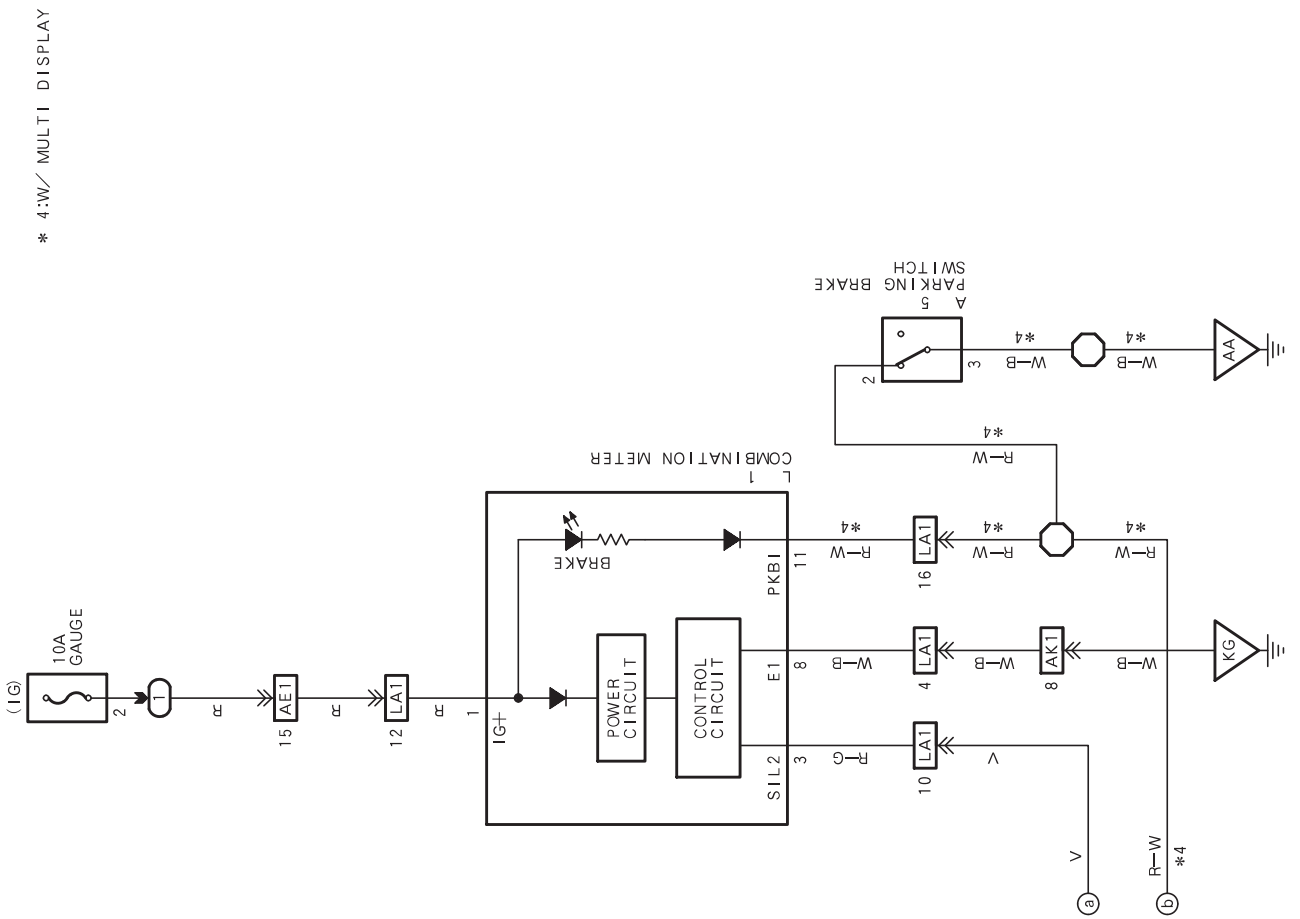
## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| AB   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |



- \*\* 1:W/ EZ PEDAL
- \*\* 3:EXCEPT STANDARD
- \*\* 4:W/ MULTI DISPLAY
- \*\* 5:TWISTED WIRE





## SAS/OPS SYSTEM

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 4  | E7-4     | A 11 | E7-4     | A 23 | E7-4     | K 1  | E7-10    |
| A 5  | E7-4     | A 12 | E7-4     | A 25 | E7-6     | K 2  | E7-10    |
| A 6  | E7-4     | A 14 | E7-4     | A 26 | E7-6     | L 1  | E7-4     |
| A 7  | E7-4     | A 15 | E7-4     | A 27 | E7-4     | R 1  | E7-10    |
| A 8  | E7-4     | A 16 | E7-4     | A 28 | E7-4     | S 1  | E7-8     |
| A 9  | E7-4     | A 17 | E7-4     | A 29 | E7-4     |      |          |
| A 10 | E7-4     | A 19 | E7-4     | C 1  | E7-6     |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |
| 2    | E7-14    | T/C R/B   |

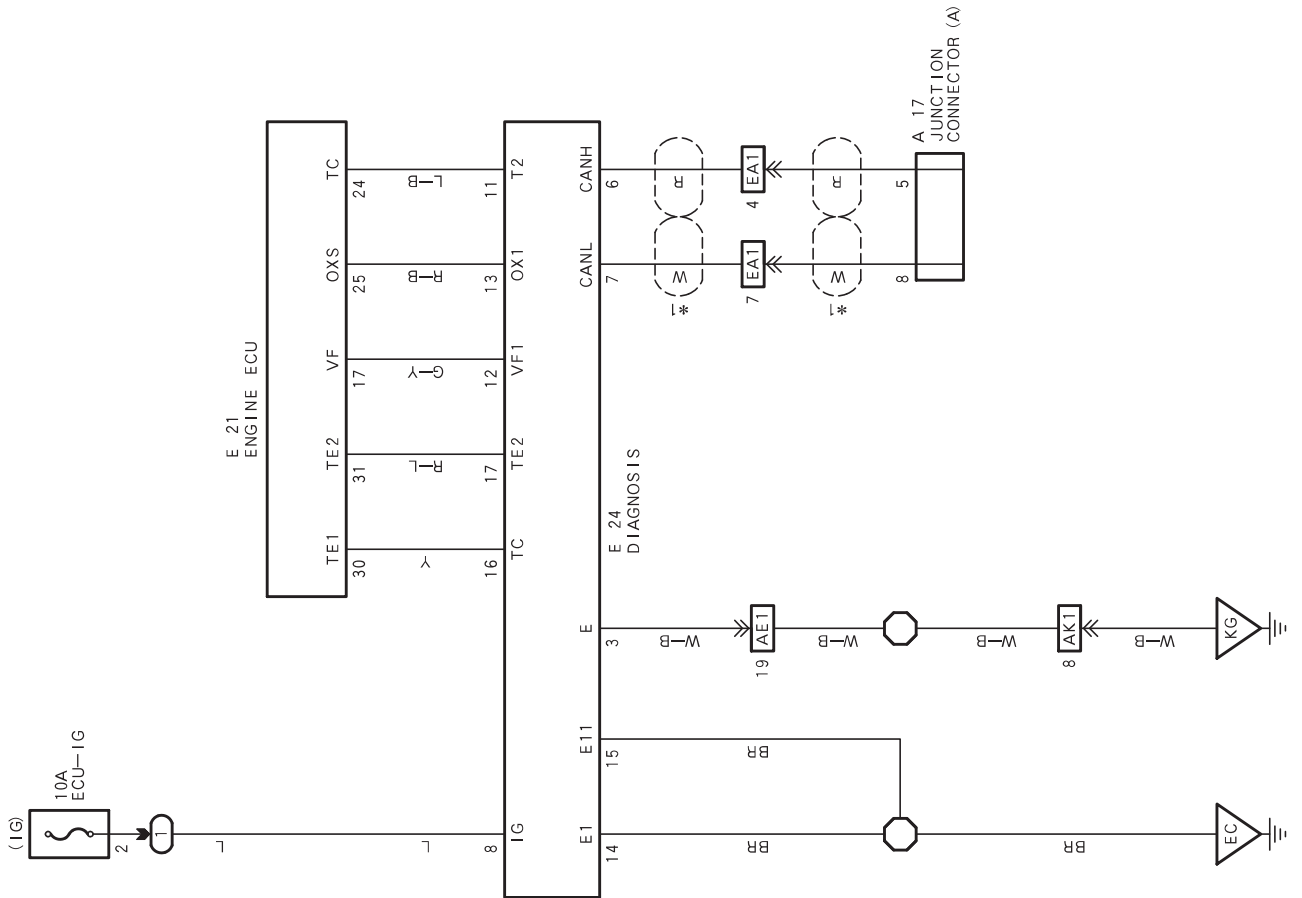
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE           |
| AK1  | E7-6     | BODY MAIN WIRE to SIDE LH WIRE          |
| AK2  | E7-6     | BODY MAIN WIRE to SIDE LH WIRE          |
| AS1  | E7-8     | BODY MAIN WIRE to MAST SENSOR WIRE      |
| CA1  | E7-6     | T/C HEAT GAUGE WIRE to BODY MAIN WIRE   |
| EA1  | E7-6     | ENGINE WIRE to BODY MAIN WIRE           |
| LA1  | E7-4     | INSTRUMENT PANEL WIRE to BODY MAIN WIRE |
| RK1  | E7-10    | HOOD MAIN WIRE RH to SIDE LH WIRE       |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH   |

\* 1: TWISTED WIRE



## DIAG

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 17 | E7-4     | E 21 | E7-6     | E 24 | E7-6     |      |          |

## RELAY BLOCK , JUNCTION BLOCK

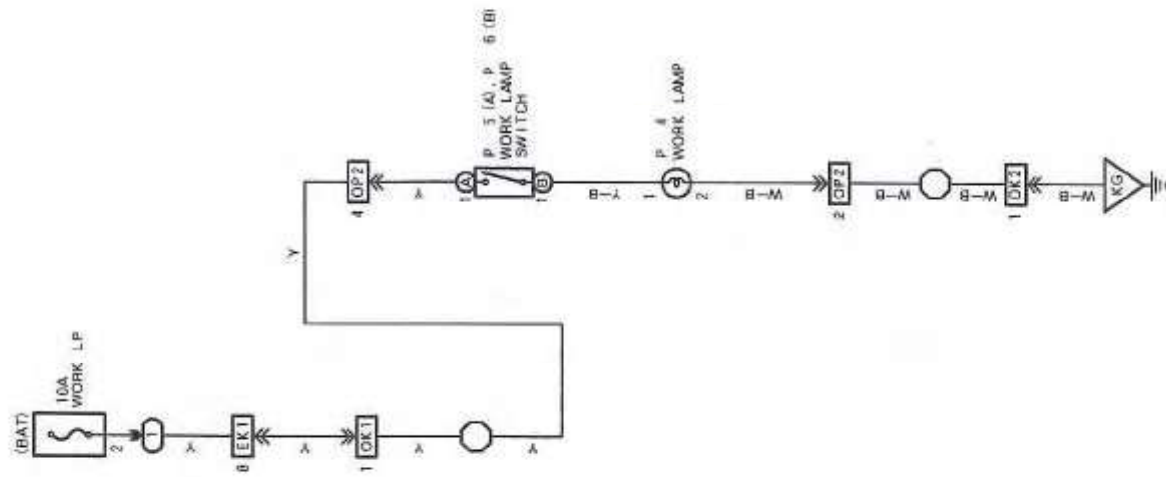
| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE         |
| AK1  | E7-6     | BODY MAIN WIRE to SIDE LH WIRE        |
| EA1  | E7-6     | ENGINE WIRE to BODY MAIN WIRE         |

## EARTH

| Code | See Page | Name                         |
|------|----------|------------------------------|
| EC   | E7-2     | ENGINE UPPER EARTH           |
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH |



Revised October 31, 2008



## REAR WORKING LAMP

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| P 4  | E7-10    | P 5  | E7-10    | P 6  | E7-10    |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

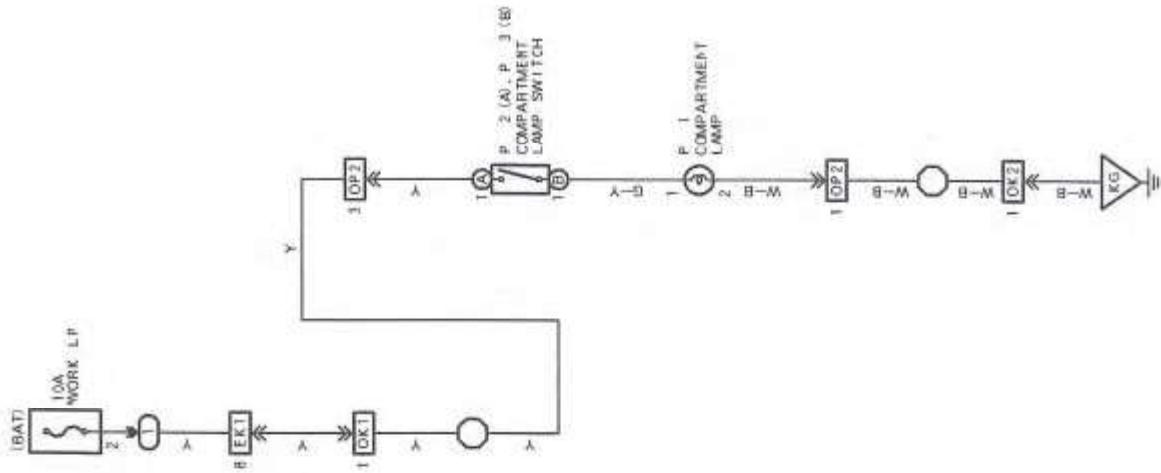
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| EK1  | E7-6     | ENGINE WIRE to SIDE LH WIRE           |
| OK1  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| OK2  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| OP2  | E7-10    | RR UPR MAIN WIRE to HOOD MAIN WIRE    |

## EARTH

| Code | See Page | Name                         |
|------|----------|------------------------------|
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH |

COMPARTMENT LAMP



## COMPARTMENT LIGHT

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| P 1  | E7-10    | P 2  | E7-10    | P 3  | E7-10    |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

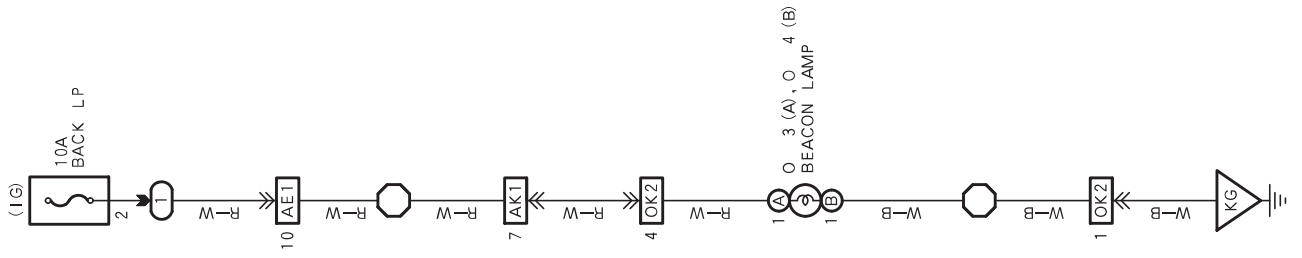
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| EK1  | E7-6     | ENGINE WIRE to SIDE LH WIRE           |
| OK1  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| OK2  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| OP2  | E7-10    | RR UPR MAIN WIRE to HOOD MAIN WIRE    |

## EARTH

| Code | See Page | Name                         |
|------|----------|------------------------------|
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH |

STROBE LIGHT



## STROBE LIGHT

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| O 3  | E7-10    | O 4  | E7-10    |      |          |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

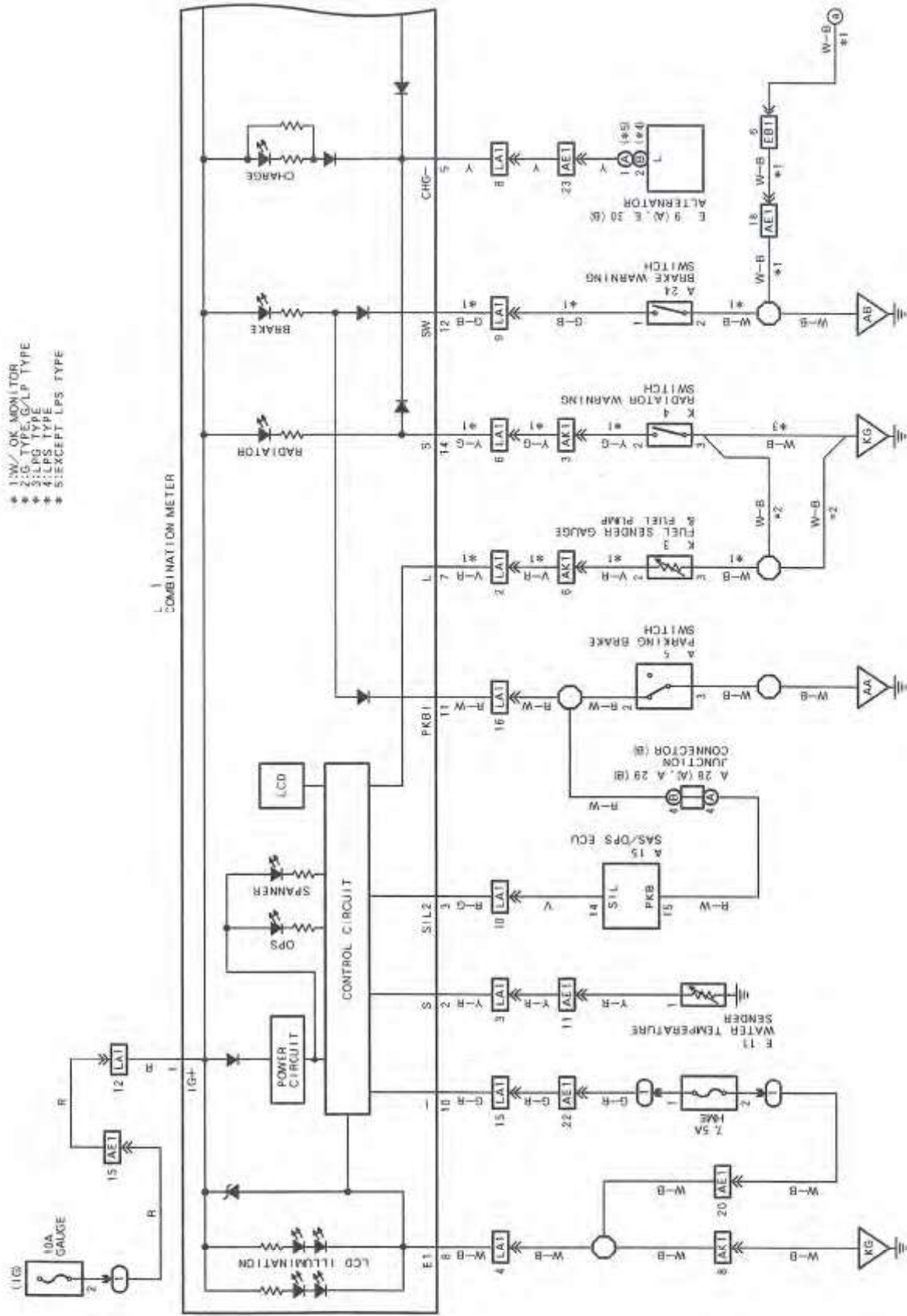
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE         |
| AK1  | E7-6     | BODY MAIN WIRE to SIDE LH WIRE        |
| OK2  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |

## EARTH

| Code | See Page | Name                         |
|------|----------|------------------------------|
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH |

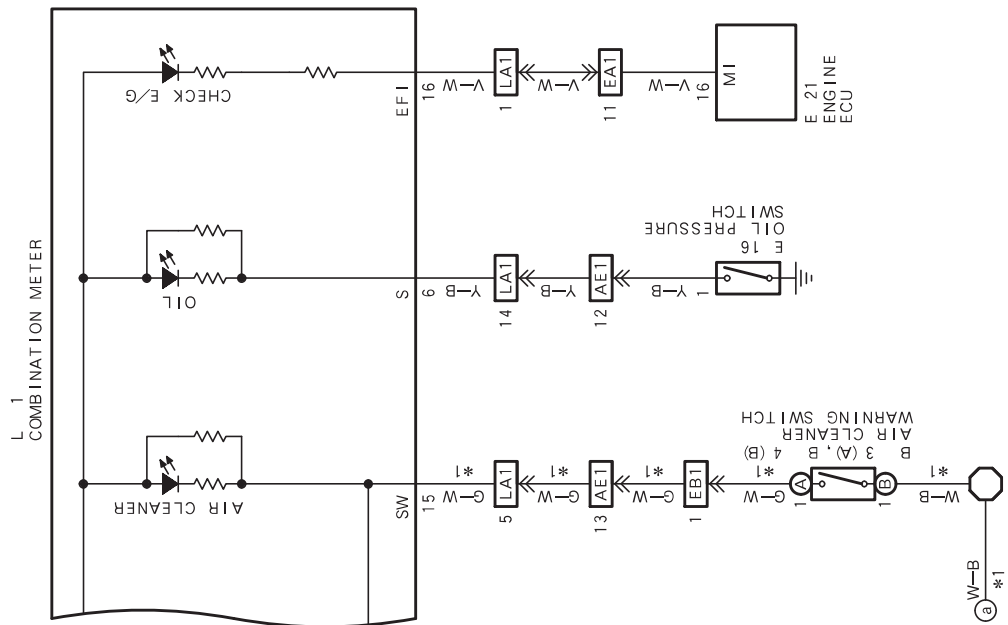
COMBINATION METER



- \* 1. W/ OK MONITOR
- \* 2. G TYPE G/LP TYPE
- \* 3. LPS TYPE
- \* 4. LPS TYPE
- \* 5. SIEMENS LPS TYPE

COMBINATION METER

\* 1:W/ OK MONITOR



## COMBINATION METER

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 5  | E7-4     | A 29 | E7-4     | E 11 | E7-2     | K 3  | E7-10    |
| A 15 | E7-4     | B 3  | E7-6     | E 16 | E7-2     | K 4  | E7-10    |
| A 24 | E7-4     | B 4  | E7-6     | E 21 | E7-6     | L 1  | E7-4     |
| A 28 | E7-4     | E 9  | E7-2     | E 30 | E7-2     |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE           |
| AK1  | E7-6     | BODY MAIN WIRE to SIDE LH WIRE          |
| EA1  | E7-6     | ENGINE WIRE to BODY MAIN WIRE           |
| EB1  | E7-6     | ENGINE WIRE to SIDE RH WIRE             |
| LA1  | E7-4     | INSTRUMENT PANEL WIRE to BODY MAIN WIRE |

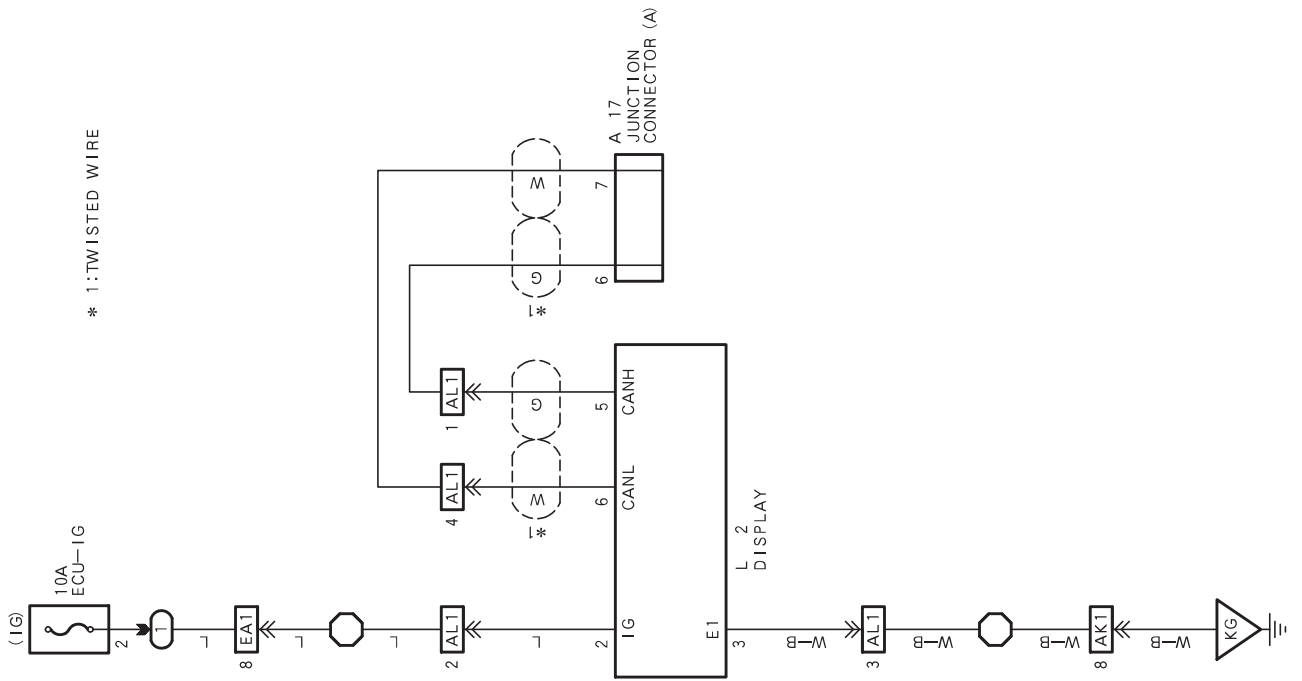
## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| AB   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH   |



MEMO

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## MULTI DISPLAY

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 17 | E7-4     | L 2  | E7-4     |      |          |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

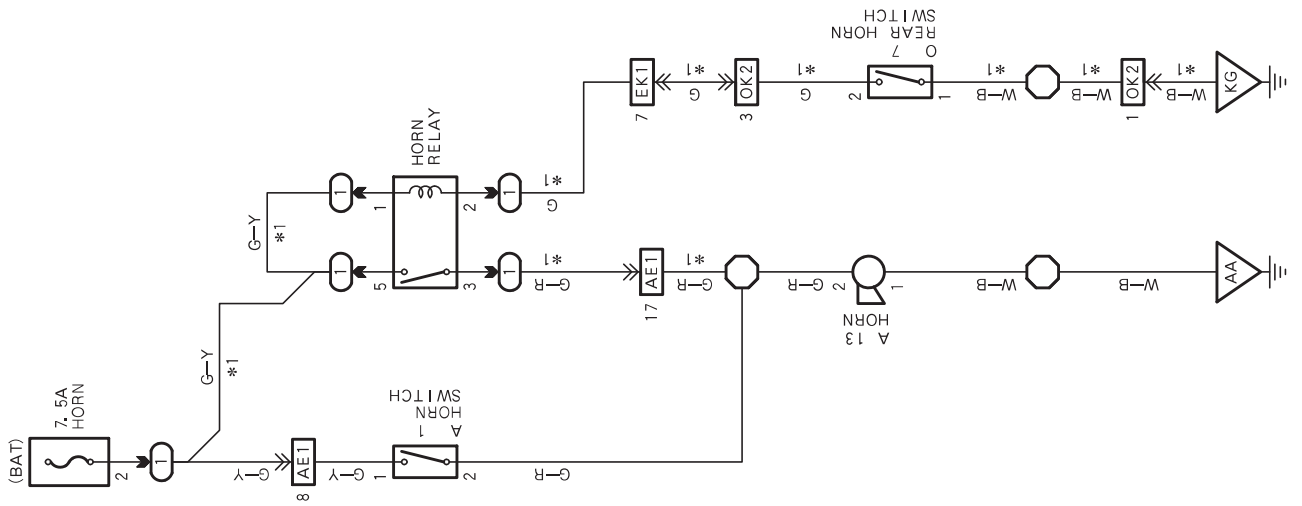
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AK1  | E7-6     | BODY MAIN WIRE to SIDE LH WIRE          |
| AL1  | E7-4     | BODY MAIN WIRE to INSTRUMENT PANEL WIRE |
| EA1  | E7-6     | ENGINE WIRE to BODY MAIN WIRE           |

## EARTH

| Code | See Page | Name                         |
|------|----------|------------------------------|
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH |

\* 1:W/ REAR HORN SWITCH



## HORN &amp; REAR HORN SWITCH

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 1  | E7-4     | A 13 | E7-4     | O 7  | E7-10    |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

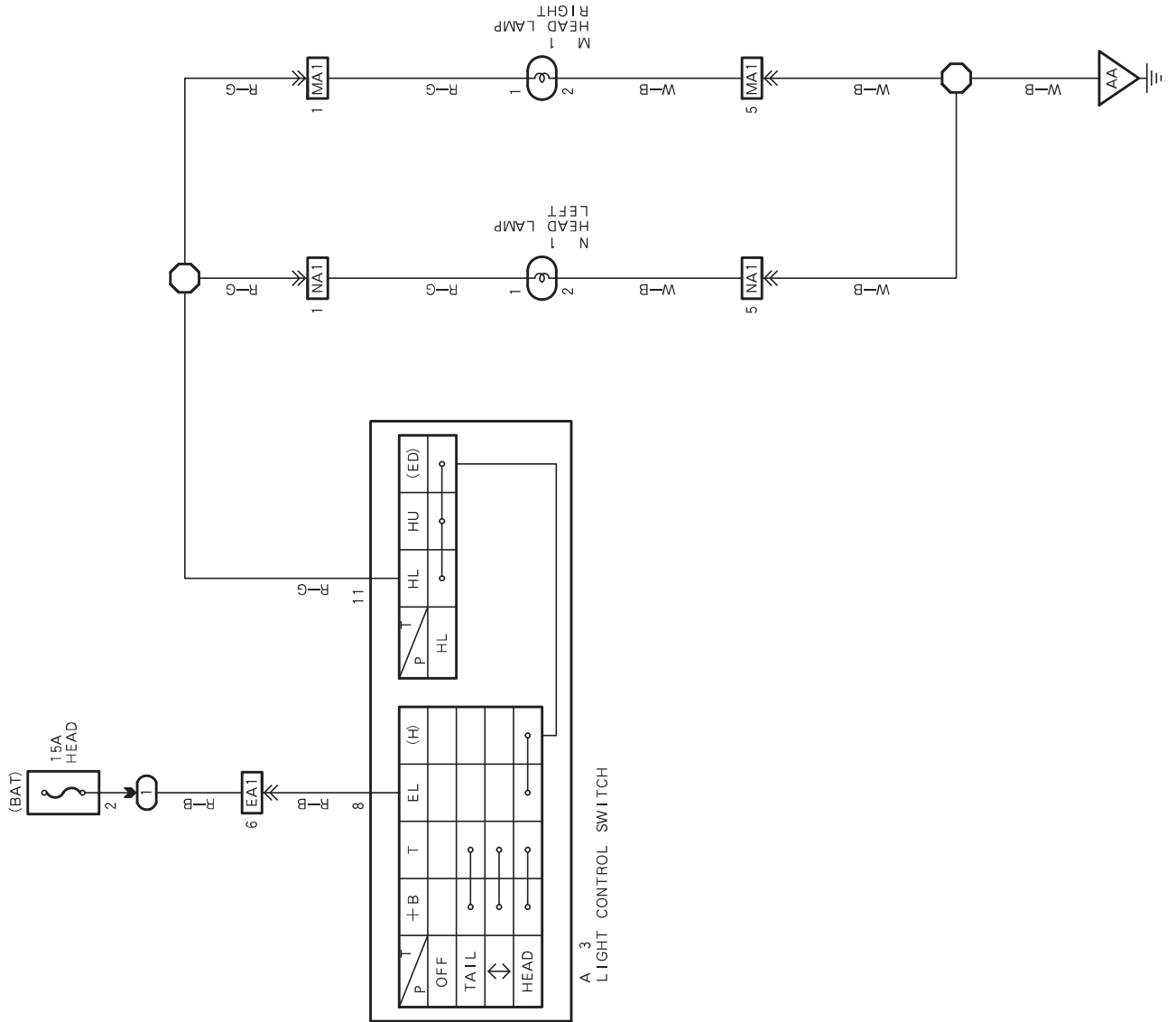
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE         |
| EK1  | E7-6     | ENGINE WIRE to SIDE LH WIRE           |
| OK2  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH   |

HEAD LAMP



## HEAD LAMP

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 3  | E7-4     | M 1  | E7-8     | N 1  | E7-8     |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

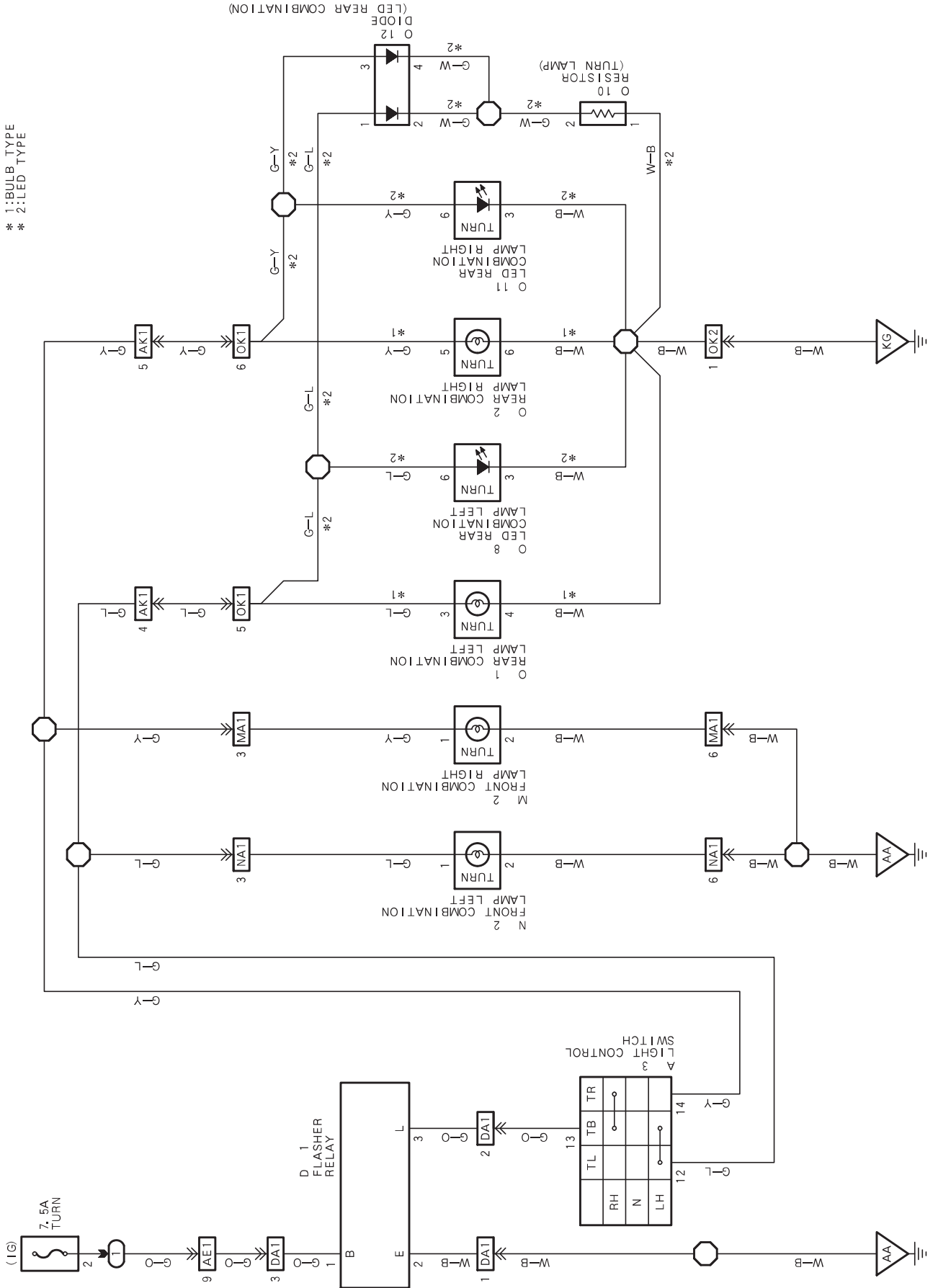
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| EA1  | E7-6     | ENGINE WIRE to BODY MAIN WIRE         |
| MA1  | E7-8     | FR STAY WIRE RH to BODY MAIN WIRE     |
| NA1  | E7-8     | FR STAY WIRE LH to BODY MAIN WIRE     |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |

TURN SIGNAL LAMP





## TURN SIGNAL LAMP

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 3  | E7-4     | N 2  | E7-8     | O 8  | E7-10    | O 12 | E7-10    |
| D 1  | E7-4     | O 1  | E7-10    | O 10 | E7-10    |      |          |
| M 2  | E7-8     | O 2  | E7-10    | O 11 | E7-10    |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

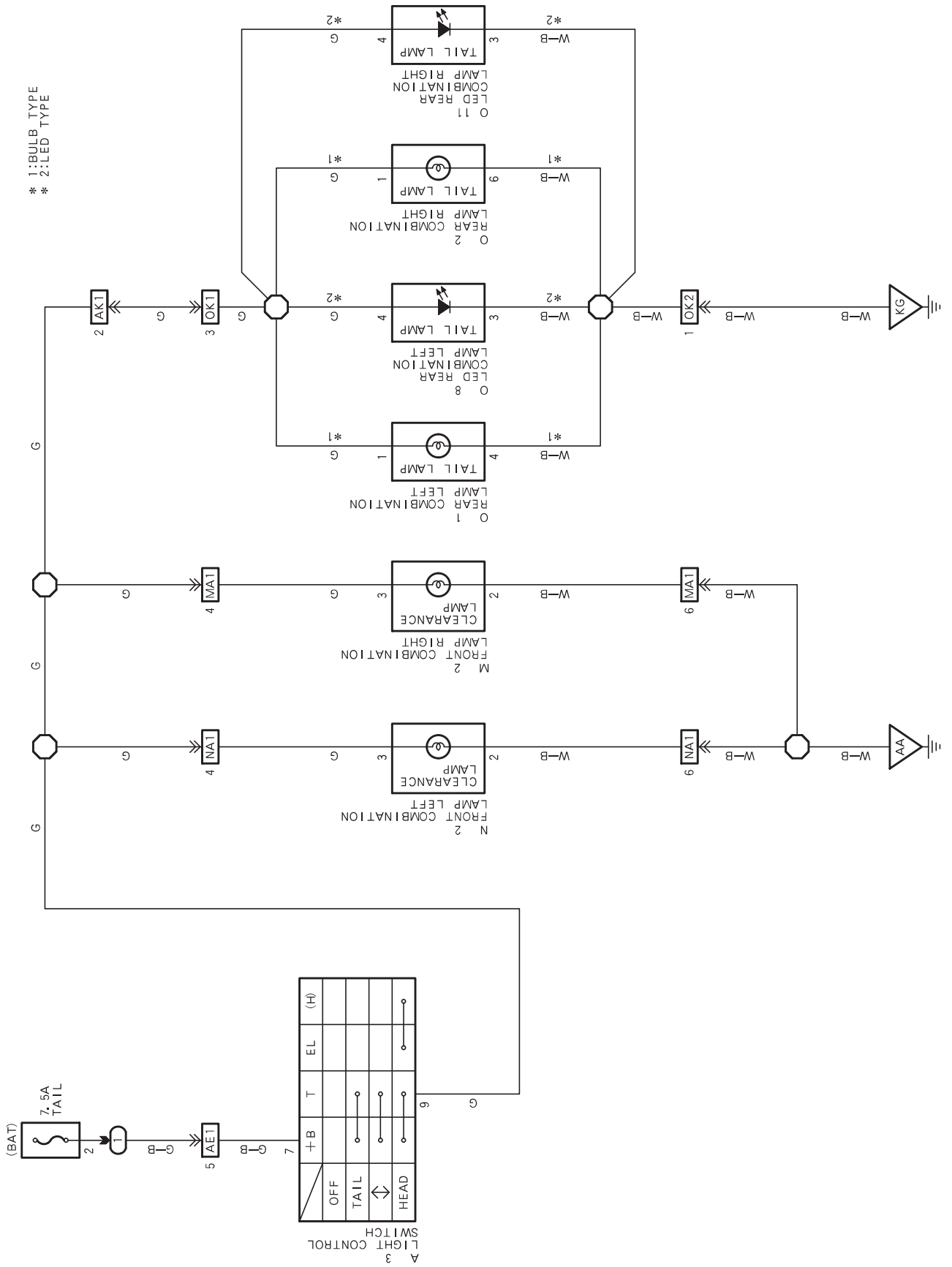
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE         |
| AK1  | E7-6     | BODY MAIN WIRE to SIDE LH WIRE        |
| DA1  | E7-4     | FLASHER WIRE to BODY MAIN WIRE        |
| MA1  | E7-8     | FR STAY WIRE RH to BODY MAIN WIRE     |
| NA1  | E7-8     | FR STAY WIRE LH to BODY MAIN WIRE     |
| OK1  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| OK2  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH   |

## CLEARANCE LAMP



## CLEARANCE LAMP

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 3  | E7-4     | N 2  | E7-8     | O 2  | E7-10    | O 11 | E7-10    |
| M 2  | E7-8     | O 1  | E7-10    | O 8  | E7-10    |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

## WIRE TO WIRE

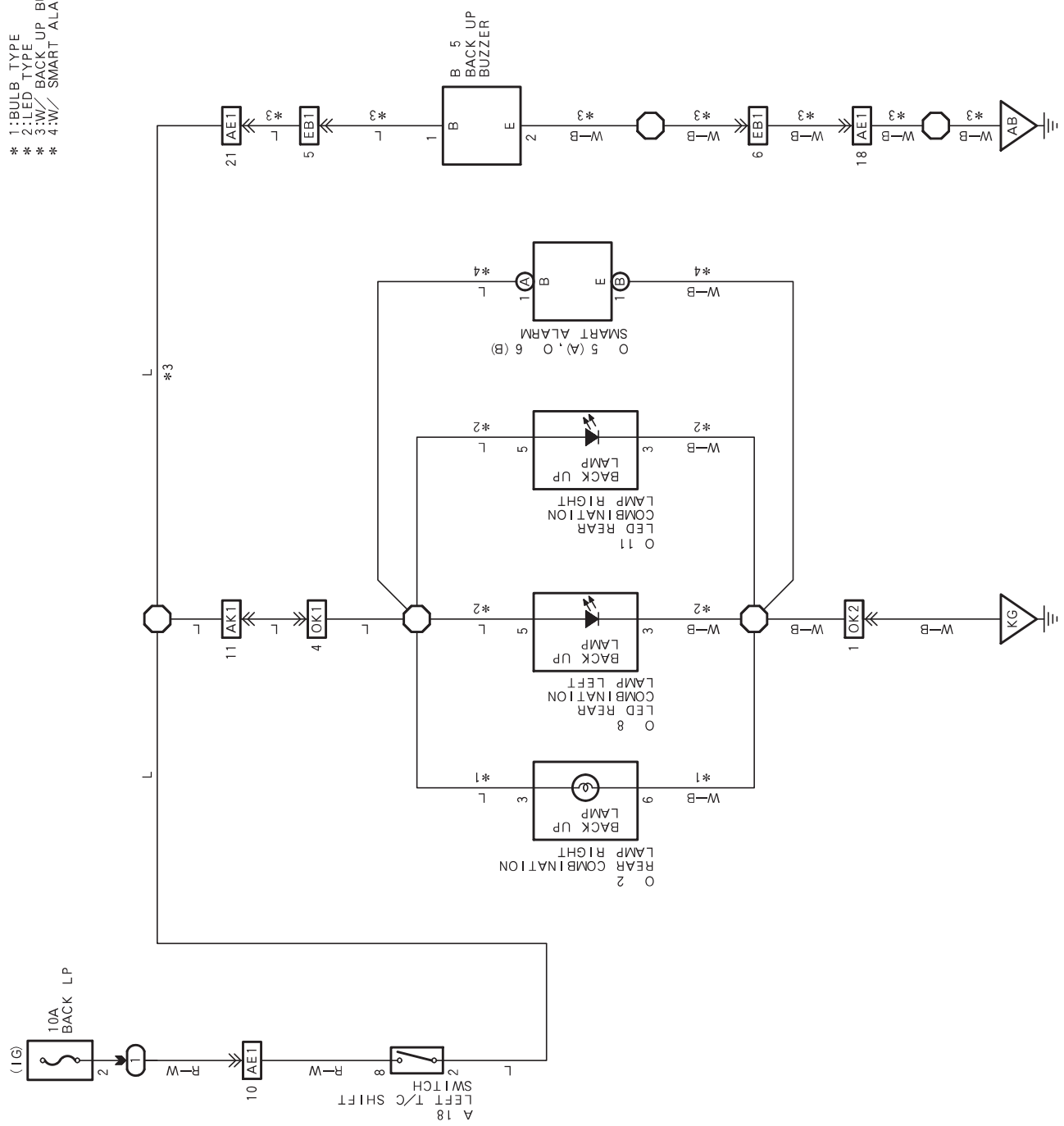
| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE         |
| AK1  | E7-6     | BODY MAIN WIRE to SIDE LH WIRE        |
| MA1  | E7-8     | FR STAY WIRE RH to BODY MAIN WIRE     |
| NA1  | E7-8     | FR STAY WIRE LH to BODY MAIN WIRE     |
| OK1  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| OK2  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH   |

BACK UP LAMP BUZZER & SMART ALARM

- \* 1: BULB TYPE
- \* 2: LED TYPE
- \* 3: W/ BACK UP BUZZER
- \* 4: W/ SMART ALARM



## BACK UP LAMP BUZZER &amp; SMART ALARM

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 18 | E7-4     | O 2  | E7-10    | O 6  | E7-10    | O 11 | E7-10    |
| B 5  | E7-6     | O 5  | E7-10    | O 8  | E7-10    |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

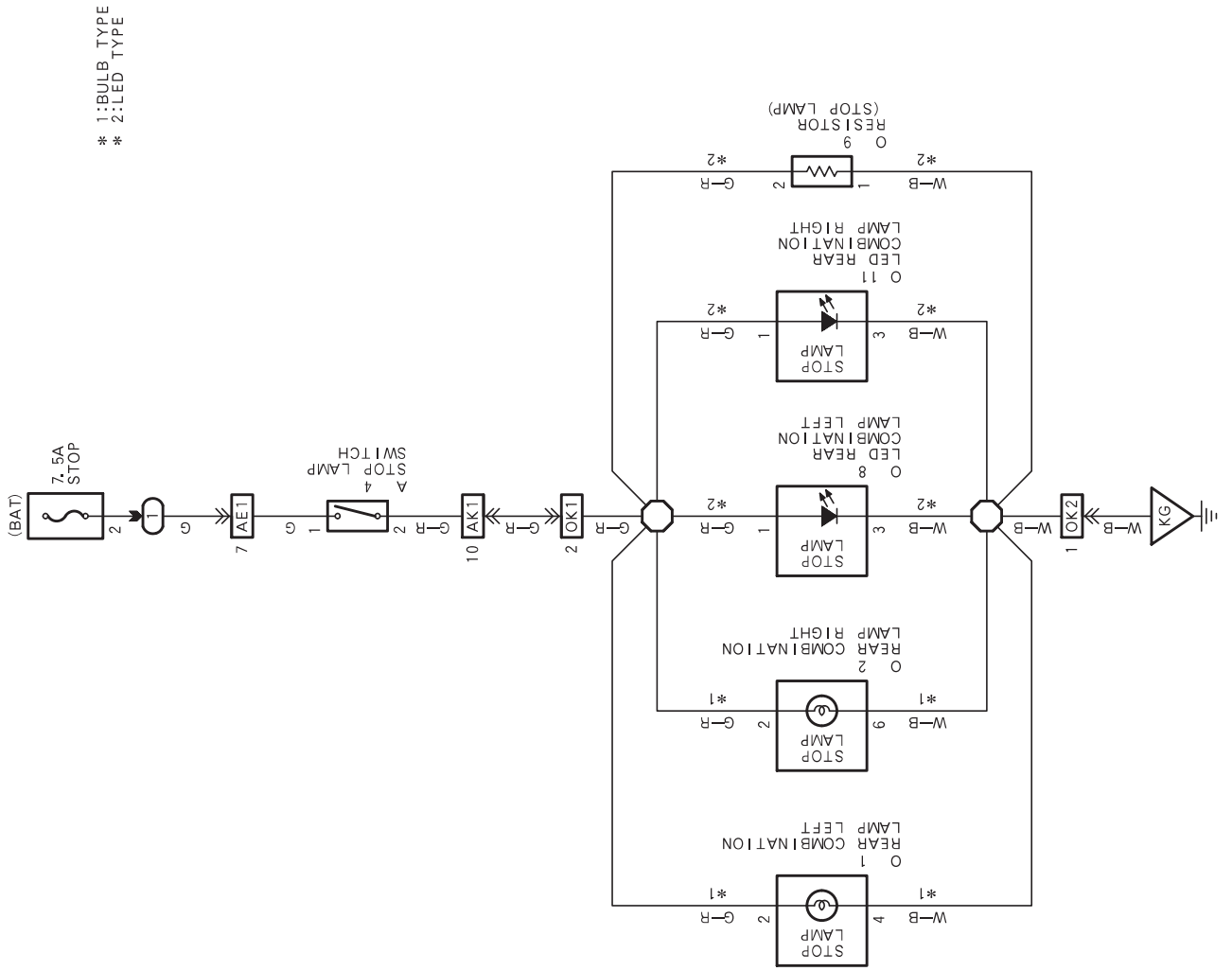
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE         |
| AK1  | E7-6     | BODY MAIN WIRE to SIDE LH WIRE        |
| EB1  | E7-6     | ENGINE WIRE to SIDE RH WIRE           |
| OK1  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| OK2  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AB   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH   |

STOP LAMP



## STOP LAMP

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 4  | E7-4     | O 2  | E7-10    | O 9  | E7-10    |      |          |
| O 1  | E7-10    | O 8  | E7-10    | O 11 | E7-10    |      |          |

## RELAY BLOCK , JUNCTION BLOCK

| Code | See Page | Relay Block Name or Joining Wire Harness to J/B |
|------|----------|---|
| 1    | E7-13    | ENGINE ROOM R/B                                 |

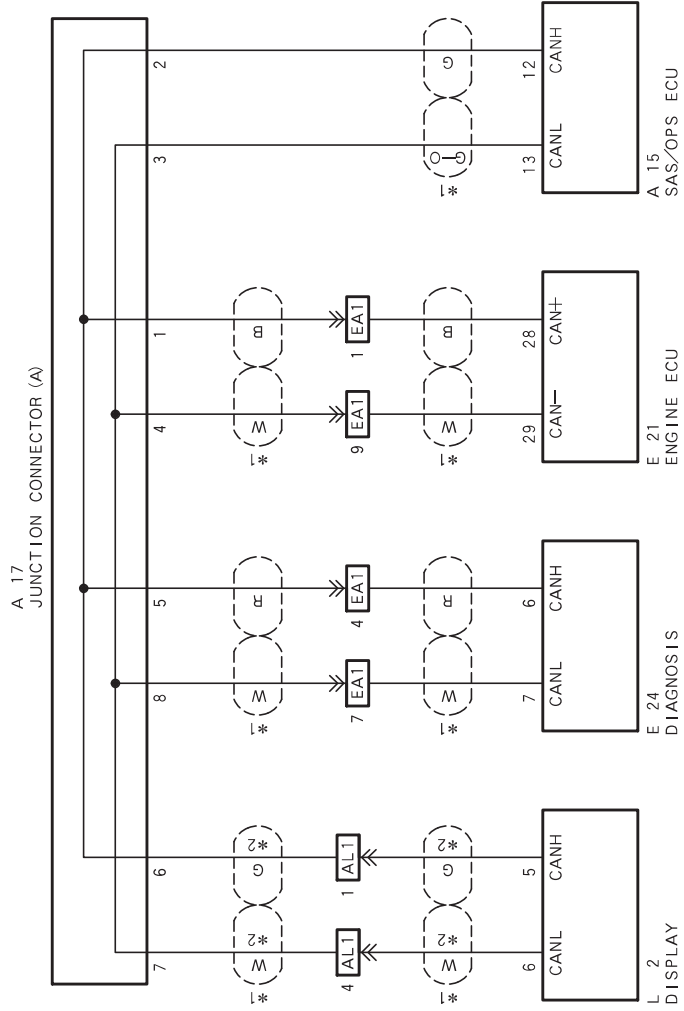
## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AE1  | E7-6     | BODY MAIN WIRE to ENGINE WIRE         |
| AK1  | E7-6     | BODY MAIN WIRE to SIDE LH WIRE        |
| OK1  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |
| OK2  | E7-10    | RR UPR MAIN WIRE to SIDE LH WIRE      |

## EARTH

| Code | See Page | Name                         |
|------|----------|------------------------------|
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH |

\* 1: TWISTED WIRE  
 \* 2: W/ MULTI DISPLAY





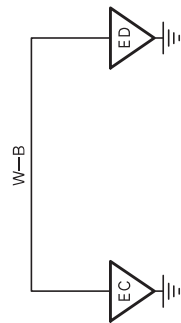
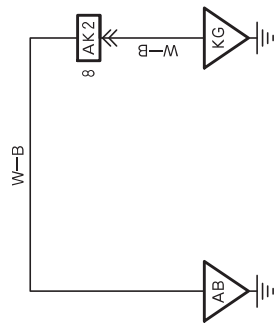
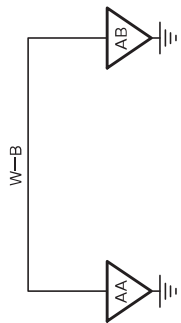
## CAN

## PARTS

| Code | See Page | Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|------|----------|
| A 15 | E7-4     | E 21 | E7-6     | L 2  | E7-4     |      |          |
| A 17 | E7-4     | E 24 | E7-6     |      |          |      |          |

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness   |
|------|----------|---|
| AL1  | E7-4     | BODY MAIN WIRE to INSTRUMENT PANEL WIRE |
| EA1  | E7-6     | ENGINE WIRE to BODY MAIN WIRE           |



## EARTH TO EARTH

## WIRE TO WIRE

| Code | See Page | Joining Wire Harness and Wire Harness |
|------|----------|---------------------------------------|
| AK2  | E7-6     | BODY MAIN WIRE to SIDE LH WIRE        |

## EARTH

| Code | See Page | Name                           |
|------|----------|--------------------------------|
| AA   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| AB   | E7-6     | FRONT PLATE LEFT OUTSIDE EARTH |
| EC   | E7-2     | ENGINE UPPER EARTH             |
| ED   | E7-2     | ENGINE UPPER EARTH             |
| KG   | E7-10    | REAR PILLER LEFT UNDER EARTH   |



# CHAPTER 9 GROUND POINTS

## GROUND POINTS

| CODE             | LOCATION                       | SYSTEM NAME                       | PAGE  |
|------------------|--------------------------------|-----------------------------------|-------|
| AA               | FRONT PLATE LEFT OUTSIDE EARTH | CLEARANCE LAMP                    | E8-46 |
|                  |                                | COMBINATION METER                 | E8-34 |
|                  |                                | EZ PEDAL                          | E8-16 |
|                  |                                | HEAD LAMP                         | E8-42 |
|                  |                                | HORN & W/ REAR HORN SWITCH        | E8-40 |
|                  |                                | POWER SHIFT TRANSMISSIN           | E8-20 |
|                  |                                | SAS/OPS SYSTEM                    | E8-22 |
|                  |                                | STARTING                          | E8-6  |
|                  |                                | TURN SIGNAL LAMP                  | E8-44 |
| AB               | FRONT PLATE LEFT OUTSIDE EARTH | BACK UP LAMP BUZZER & SMART ALARM | E8-48 |
|                  |                                | COMBINATION METER                 | E8-34 |
|                  |                                | EZ PEDAL                          | E8-16 |
|                  |                                | LPG WARNING SYSTEM                | E8-14 |
|                  |                                | POWER SHIFT TRANSMISSIN           | E8-20 |
|                  |                                | STARTING                          | E8-6  |
| EC               | ENGINE UPPER EARTH             | DIAG                              | E8-26 |
|                  |                                | ENGINE CONTROL                    | E8-8  |
|                  |                                | EZ PEDAL                          | E8-16 |
|                  |                                | LPG WARNING SYSTEM                | E8-14 |
|                  |                                | STARTING                          | E8-6  |
| ED               | ENGINE UPPER EARTH             | ENGINE CONTROL                    | E8-8  |
|                  |                                | LPG WARNING SYSTEM                | E8-14 |
| GE               | REAR PILLER LEFT UNDER EARTH   | POWER SOURCE                      | E8-2  |
|                  |                                | STARTING                          | E8-6  |
| HF               | FRONT PLATE LEFT INSIDE EARTH  | STARTING                          | E8-6  |
| KG               | REAR PILLER LEFT UNDER EARTH   | BACK UP LAMP BUZZER & SMART ALARM | E8-48 |
|                  |                                | CLEARANCE LAMP                    | E8-46 |
|                  |                                | COMBINATION METER                 | E8-34 |
|                  |                                | COMPARTMENT LAMP                  | E8-30 |
|                  |                                | DIAG                              | E8-26 |
|                  |                                | ENGINE CONTROL                    | E8-8  |
|                  |                                | EZ PEDAL                          | E8-16 |
|                  |                                | HORN & W/ REAR HORN SWITCH        | E8-40 |
|                  |                                | MULTI DISPLAY                     | E8-38 |
|                  |                                | REAR WORKING LAMP                 | E8-28 |
|                  |                                | SAS/OPS SYSTEM                    | E8-22 |
|                  |                                | STOP LAMP                         | E8-50 |
|                  |                                | STROBE LIGHT                      | E8-32 |
| TURN SIGNAL LAMP | E8-44                          |                                   |       |

# CHAPTER 10 FUSES FOR POWER SUPPLY

## FUSIBLE LINK BLOCK ASSY

| FUSE |     | SYSTEM NAME | PAGE |
|------|-----|-------------|------|
| 100A | ALT | CHARGING    | E8-4 |

## ENGINE ROOM R/B

| FUSE |         | SYSTEM NAME                       | PAGE  |
|------|---------|-----------------------------------|-------|
| 7.5A | ALT-S   | CHARGING                          | E8-4  |
| 7.5A | ECU-B   | SAS/OPS SYSTEM                    | E8-22 |
| 7.5A | HORN    | HORN & W/ REAR HORN SWITCH        | E8-40 |
| 7.5A | HME     | COMBINATION METER                 | E8-34 |
| 7.5A | SFT     | EZ PEDAL                          | E8-16 |
|      |         | POWER SHIFT TRANSMISSION          | E8-20 |
|      |         | STARTING                          | E8-6  |
| 7.5A | ST      | EZ PEDAL                          | E8-16 |
|      |         | STARTING                          | E8-6  |
| 7.5A | STOP    | SAS/OPS SYSTEM                    | E8-22 |
|      |         | STOP LAMP                         | E8-50 |
| 7.5A | TAIL    | CLEARANCE LAMP                    | E8-46 |
| 7.5A | TURN    | TURN SIGNAL LAMP                  | E8-44 |
| 10A  | BACK LP | BACK UP LAMP BUZZER & SMART ALARM | E8-48 |
|      |         | EZ PEDAL                          | E8-16 |
|      |         | STROBE LIGHT                      | E8-32 |
| 10A  | ECU-IG  | DIAG                              | E8-26 |
|      |         | MULTI DISPLAY                     | E8-38 |
|      |         | SAS/OPS SYSTEM                    | E8-22 |
| 10A  | GAUGE   | CHARGING                          | E8-4  |
|      |         | COMBINATION METER                 | E8-34 |
|      |         | ENGINE CONTROL                    | E8-8  |
|      |         | SAS/OPS SYSTEM                    | E8-22 |
| 10A  | WORK LP | COMPARTMENT LAMP                  | E8-30 |
|      |         | REAR WORKING LAMP                 | E8-28 |
| 15A  | EFI     | ENGINE CONTROL                    | E8-8  |
|      |         | LPG WARNING SYSTEM                | E8-14 |
| 15A  | E-THRO  | ENGINE CONTROL                    | E8-8  |
| 15A  | HEAD    | HEAD LAMP                         | E8-42 |
| 15A  | IGN     | ENGINE CONTROL                    | E8-8  |
|      |         | LPG WARNING SYSTEM                | E8-14 |
| 30A  | STA     | STARTING                          | E8-6  |



# CHAPTER 11 CONNECTOR LIST

CONNECTOR LIST  
PARTS CONNECTOR ..... E11-2

WIRE TO WIRE  
WIRE TO WIRE ..... E11-5

CONNECTOR LIST

A 1



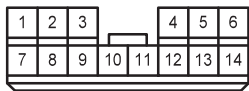
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A 2



90980-10171

A 3



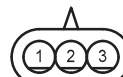
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A 4



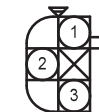
90980-11155

A 5  
BLACK



90980-11349

A 6  
GRAY



90080-98200

A 7  
GRAY



90980-11486

A 8



90980-11002

A 9  
BLACK



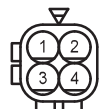
90980-10959

A 10  
BLACK



90980-10941

A 11  
DARK GRAY



90980-11028

A 12  
DARK GRAY



90980-10900

A 13  
BLACK



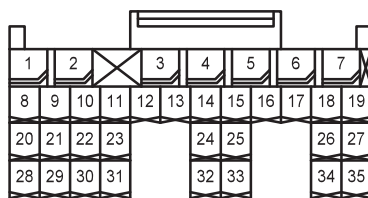
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A 14  
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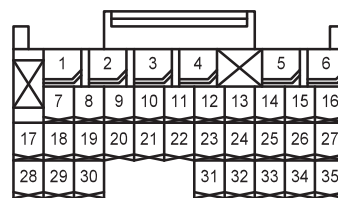
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A 15



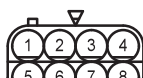
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A 16



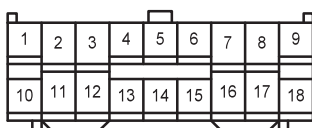
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A 17  
DARK GRAY



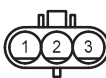
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A 18



90980-11594

A 19  
BLACK



90980-10845

A 20  
BLACK



90980-10942

A 22



90980-11251

A 23



90980-11168

A 24



90980-10214

A 25  
DARK GRAY



90980-11162

A 26  
DARK GRAY



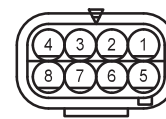
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A 27  
GRAY



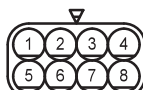
90980-10899

A 28  
GRAY



90980-10896

A 29  
GRAY



90980-10897

A 30



90980-10173

A 31



90980-10173

A 32



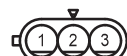
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A 33



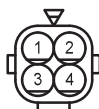
90980-10171

A 34



90980-11020

B 1  
DARK GRAY



90980-10869

B 2  
BLACK



90980-10622

B 3



7316-2095

B 4



7316-2095

B 5



90980-10825

C 1  
GRAY



90980-11025

D 1



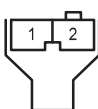
90980-11314

E 1  
BLACK



90980-11858

E 2  
BLACK



90980-10108

E 3  
DARK GRAY



90980-11153

E 4  
GREEN



90980-11153

E 5



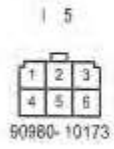
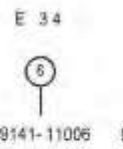
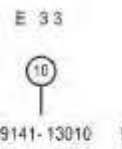
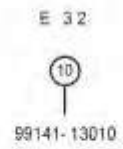
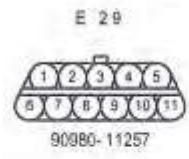
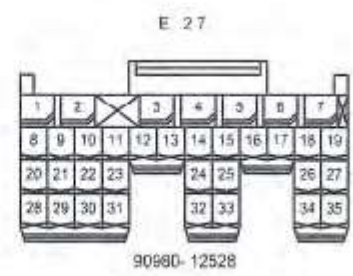
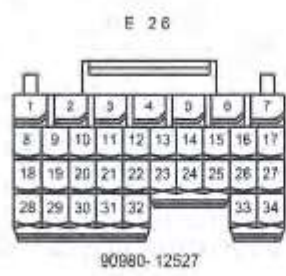
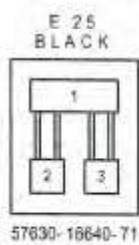
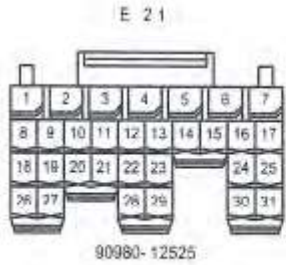
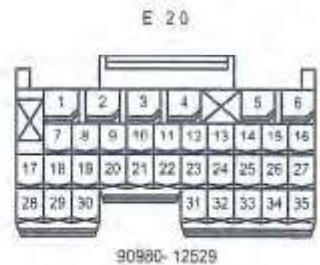
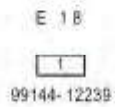
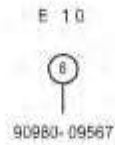
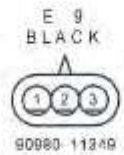
90980-10845

E 6  
GREEN

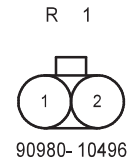
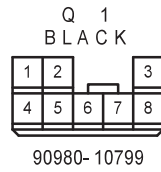
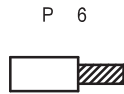
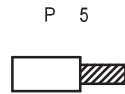
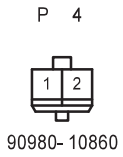
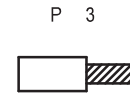
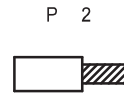
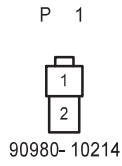
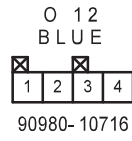
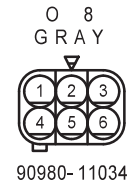
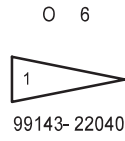
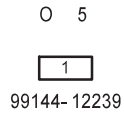
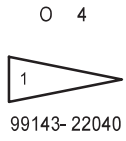
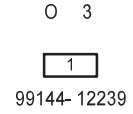
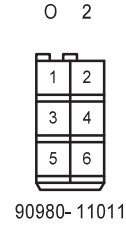
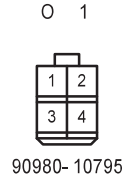
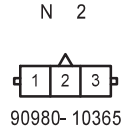
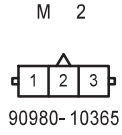
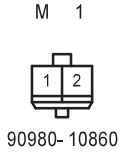
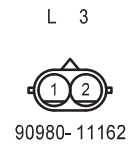
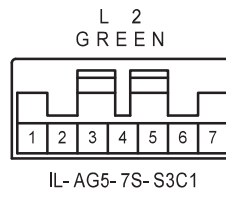
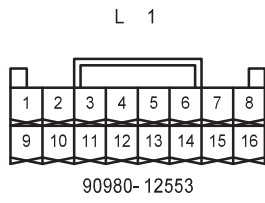
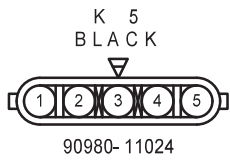


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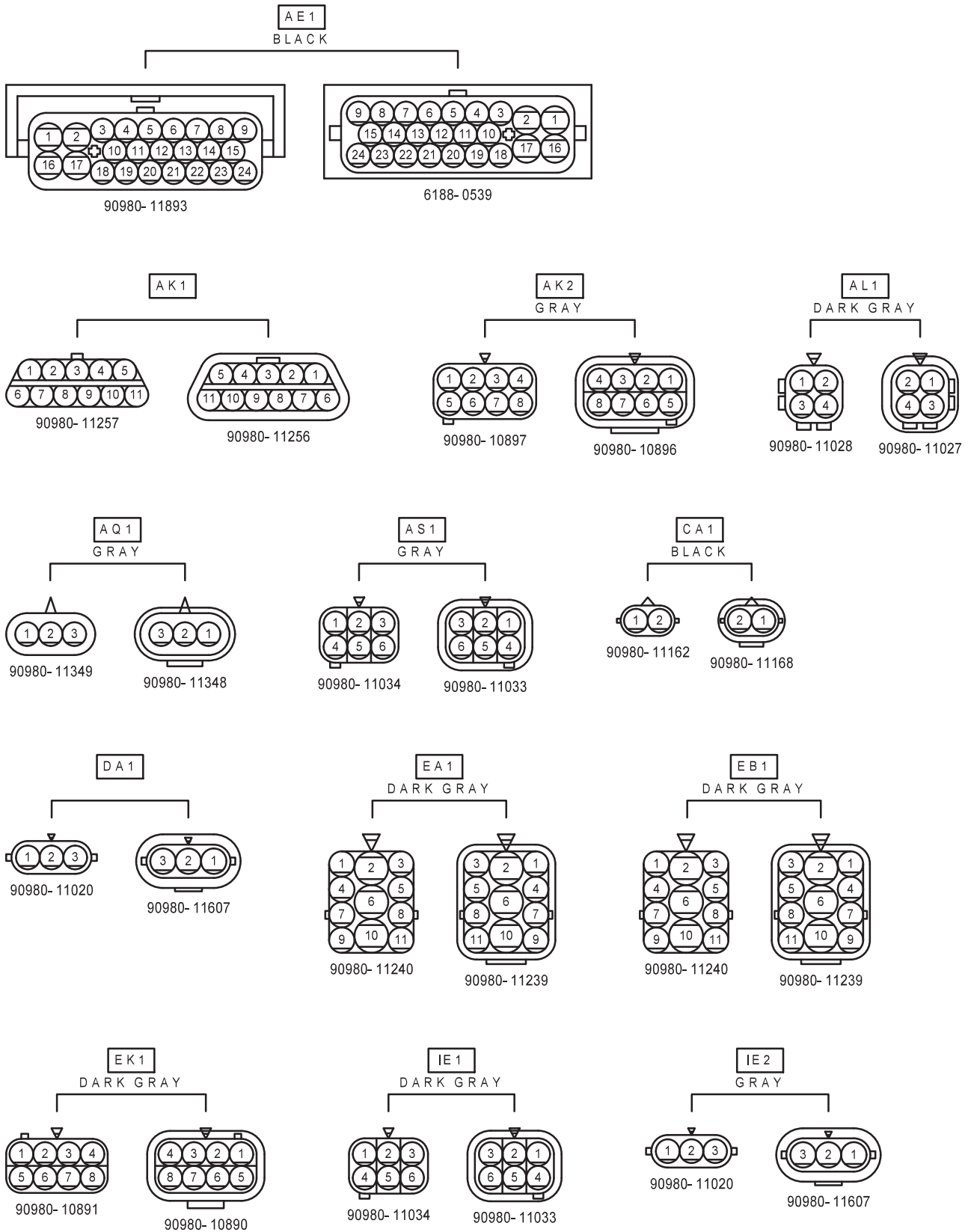
CONNECTOR LIST

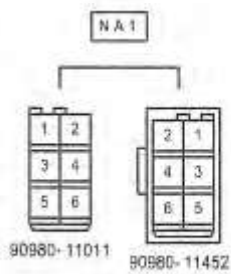
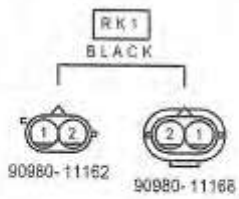
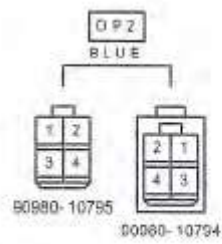
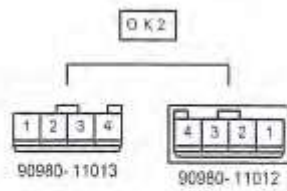
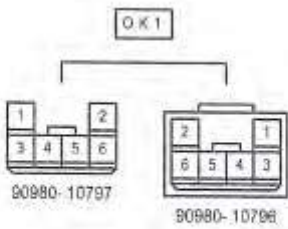
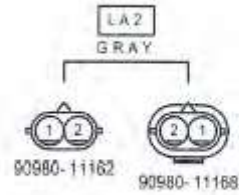
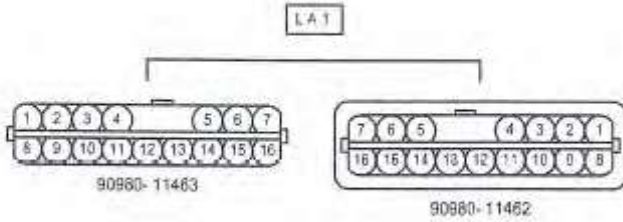
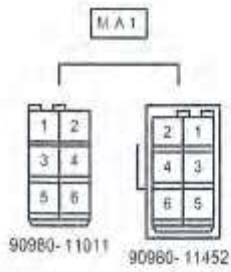
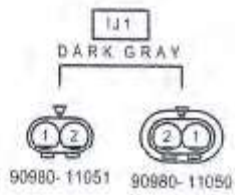


CONNECTOR LIST



WIRE TO WIRE





**Service Information Bulletins affecting Models 8FG(D)U15-32 and 8FGCU15-32**

**As of: 03/03/2009**

|    | Title   | File          | File Size | Modified On |
|----|---|---------------|-----------|-------------|
| 1  | SIB CE07-008 Error Codes AD-1 and AD-7                      | ce07-008.pdf  | 42 KB     | 11/30/2007  |
| 2  | SIB TR07-002 Propeller Shaft Cover                          | tr07-002.pdf  | 118 KB    | 11/30/2007  |
| 3  | SIB HS07-003 Flow Regulator Replacement Parts               | hs07-003.pdf  | 729 KB    | 10/26/2007  |
| 4  | SIB MA07-004R 8-Series Grease Specifications                | ma07-004r.pdf | 72 KB     | 6/27/2007   |
| 5  | SIB TR07-001 Transmission Control Valve Identification      | tr07-001.pdf  | 133 KB    | 2/26/2007   |
| 6  | SIB ST07-001 SST's for 8-Series                             | st07-001.pdf  | 75 KB     | 1/31/2007   |
| 7  | SIB MA07-003 8-Series Transmission Oil Level Inspection     | ma07-003.pdf  | 55 KB     | 1/31/2007   |
| 8  | SIB MA07-002 Hourmeter Fuse Installation                    | ma07-002.pdf  | 64 KB     | 1/31/2007   |
| 9  | SIB EN07-001 8-Series 4Y-E Engine Ignition Timing Procedure | en07-001.pdf  | 140 KB    | 1/31/2007   |
| 10 | SIB CC08-005 4Y-ECS Controller Programming Change           | cc08-005.pdf  | 99 KB     | 5/16/2008   |
| 11 | SIB RA08-001 Updated 8-Series Horn Pad                      | ra08-001.pdf  | 167 KB    | 5/16/2008   |
| 12 | SIB ST08-001 Recommended Special Service Tools              | st08-001.pdf  | 59 KB     | 6/17/2008   |
| 13 | SIB EN08-001 8-Series Repair Manual 00700-X8880-71 Revision | en08-001.pdf  | 9400 KB   | 9/16/2008   |
| 14 | SIB FS08-001 8-Series LPG Regulators                        | fs08-001.pdf  | 52 KB     | 9/16/2008   |
| 15 | SIB 8-Series Repair Manual 00700-X8880-71 Revision          | en08-002.pdf  | 43 KB     | 11/13/2008  |

**Technical New Briefs affecting Models 8FG(D)U15-32 and 8FGCU15-32**

**As of: 03/03/2009**

|   |   |                    |        |            |
|---|---|--------------------|--------|------------|
| 1 | TNB-07-03-R1 Hydraulic Oil Change on 8 Series                                   | tnb-2007-03-r1.pdf | 76 KB  | 1/7/2008   |
| 2 | TNB-07-06 8-Series LPG Regulator Slow Path Tamper Resistant Cap                 | tnb-2007-06.pdf    | 96 KB  | 1/7/2008   |
| 3 | TNB-07-05 8-Series Engine / Transmission Knocking Noise at Idle                 | tnb-2007-05.pdf    | 129 KB | 1/7/2008   |
| 4 | TNB-07-11 Torque Specification of outer mast support bolts                      | tnb-2007-11.pdf    | 287 KB | 11/30/2007 |
| 5 | TNB-2008-07 Fuel Mixture Adjustment Procedure for the 8FG(C)U15-32 with 4Y-ECS  | 2008-07.pdf        | 70 KB  | 5/16/2008  |
| 6 | TNB-2008-11 Servicing HVAC System Installed as a TSDR Option with Cab Enclosure | 2008-11.pdf        | 463 KB | 5/16/2008  |
| 7 | TNB-2008-12 Installation of Fuel Line Fittings                                  | 2008-12.pdf        | 245 KB | 5/16/2008  |
| 8 | TNB-2008-21 Reverse Locking of Seat Belt  | tnb-2008-21.pdf    | 105 KB | 12/24/2008 |
| 9 | TNB-2009-03 Supplement to TNB-2008-07 for Adjusting VF Voltage                  | tnb-2009-03.pdf    | 226 KB | 2/12/2009  |



**Hotline Tech Tip Articles affecting Models 8FG(D)U15-32 and 8FGCU15-32**

**As of: 03/03/2009**

|    |  |                               |        |            |
|----|--|-------------------------------|--------|------------|
| 1  | HTT-11-2006 - Ultra-Low Sulfur Diesel, 8-Series Trans Oil Level, Mast Feeler Gauges, 8-Series SST's                                  | hotline tech tips-2006-11.pdf | 113 KB | 11/20/2007 |
| 2  | HTT-2-2007 - 8 Series Transmission Control Valve Identification, Chassis Lubrication   | hotline tech tips-2007-02.pdf | 519 KB | 4/9/2007   |
| 3  | HTT-3-2007 - Rotten Egg and Ammonia Smell: 8 Series Quick Facts; 8 Series Idle Surge; TIS Overview, IC Radiator Offerings            | hotline tech tips-2007-03.pdf | 154 KB | 4/9/2007   |
| 4  | HTT-4-2007 - 8-Series Matching, Limiting Travel Speeds, OPSS code A5-1   | hotline tech tips-2007-04.pdf | 389 KB | 11/26/2007 |
| 5  | HTT-5-2007 - 8-Series LPG Regulator Adjustments, 8-Series Engine/Transmission Knocking   | hotline tech tips-2007-05.pdf | 228 KB | 11/26/2007 |
| 6  | HTT-6-2007 - New Active Radiator, Troubleshooting Smoke, Multi-Function Displays   | hotline tech tips-2007-06.pdf | 162 KB | 9/24/2007  |
| 7  | HTT-7-2007 - New Hydraulic Oil, Troubleshooting Overheating, 8-Series LPG Regulator Maintenance                                      | hotline tech tips-2007-07.pdf | 600 KB | 9/24/2007  |
| 8  | HTT-8-2007 - Hotline Reminder, 8-Series Truck/Engine Surge   | hotline tech tips-2007-08.pdf | 148 KB | 9/24/2007  |
| 9  | HTT-9-2007 - Diagnosing Hard Steering Conditions, Prop Shaft Cover   | hotline tech tips-2007-09.pdf | 502 KB | 9/24/2007  |
| 10 | HTT-10-2007 - Class IV & V Error Code 68-3, 8-Series Flow Regulator, and LP Lockoff Solenoid Orientation                             | hotline tech tips-2007-10.pdf | 303 KB | 10/30/2007 |
| 11 | HTT-11-2007 - 8-Series Class III Parameters, 8-Series 4Y ECS Engine Timing, 8-Series Wet Brake Hydraulic Oil, 8-Series AD-1 and AD-7 | hotline tech tips-2007-11.pdf | 173 KB | 1/7/2008   |
| 12 | HTT-12-2007 - Engine Block Heaters, 8-Series Horn Pad, 8-Series Timing Marks   | hotline tech tips-2007-12.pdf | 490 KB | 12/12/2007 |
| 13 | HTT-1-2008 - 8-Series Key on "L-Off" on Display, Diesel Intake Air Heaters, Threshold Voltage  | hotline tech tips-2008-01.pdf | 363 KB | 1/28/2008  |
| 14 | HTT-2-2008 - Error Codes, Rear Pillar Assist Grip with Horn Button, New Cab  | hotline tech tips-2008-02.pdf | 204 KB | 2/28/2008  |
| 15 | HTT-2008-03 - Lift Bracket Roller Replacement, Warning Lights do not Work During Bulb Check  | hotline tech tips-2008-03.pdf | 129 KB | 3/25/2008  |
| 16 | HTT-2008-04 - Fuel Shutoff Valves for 8FDU15-32  | hotline tech tips-2008-04.pdf | 391 KB | 6/17/2008  |
| 17 | HTT-2008-05 - Root Cause Analysis as Part of a Complete Repair Solution, Drivability Issues Due to Dirty Throttle Body               | hotline tech tips-2008-05.pdf | 168 KB | 6/17/2008  |
| 18 | HTT-2008-06 - Shift Interlock (Intelli-Shift) Adjustments, Overheat Troubleshooting  | hotline tech tips-2008-06.pdf | 347 KB | 7/15/2008  |
| 19 | HTT-2008-07 - Mini Lever Tuning, LPG Regulator Tamper Resistant Cap  | hotline tech tips-2008-07.pdf | 269 KB | 8/5/2008   |
| 20 | HTT-2008-08 - Plug-In Analyzer, Cam Position Sensor  | hotline tech tips 2008-08.pdf | 185 KB | 9/3/2008   |
| 21 | HTT-2008-09 - SAS Matching, Transmission Repair, Basic Troubleshooting   | hotline tech tips 2008-09.pdf | 210 KB | 9/19/2008  |
| 22 | HTT-2008-10 - Seat belt Interlock, Multi-Display with Travel and Load Handling Control, Gasoline Fuel System Tank Pressure           | hotline tech tips 2008-10.pdf | 313 KB | 10/27/2008 |
| 23 | HOTLINE TECH TIPS November 2008, Class IV & V LPG Filter Parts & 8-Series Accelerator Codes  | hotline tech tips 2008-11.pdf | 250 KB | 12/1/2008  |
| 24 | HOTLINE TECH TIPS December 2008, Class I-VI Converting Dwell to Duty Cycle, Class I-V Mast Shimming                                  | hotline tech tips-2008-12.pdf | 452 KB | 3/2/2009   |
| 25 | Hotline Tech Tips January 2009 - Class I-V SAS Down Valve, Class IV & V Code 73-1  | hotline tech tips 2009-01.pdf | 258 KB | 1/22/2009  |