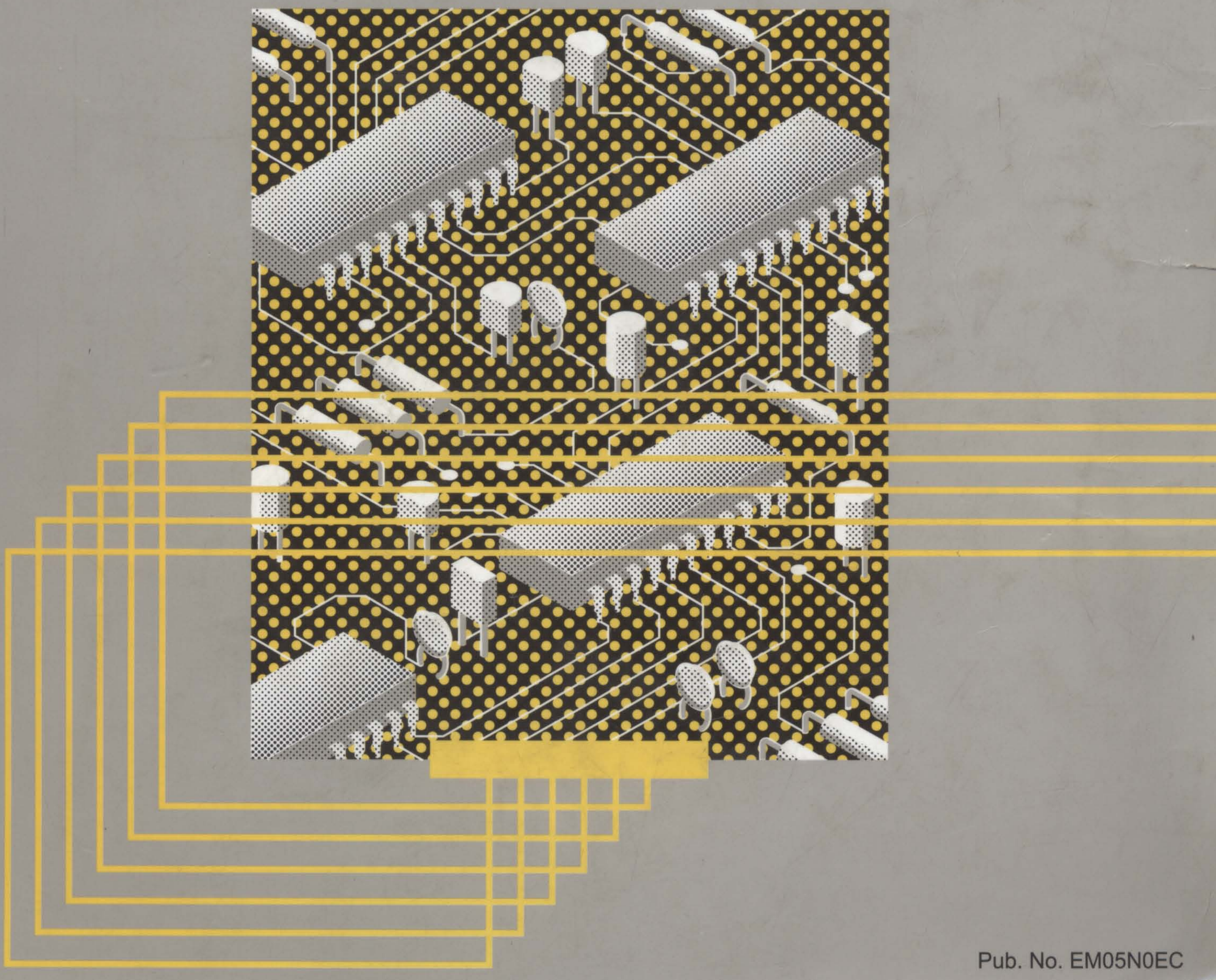
TOYOTA

# COROLLA

# 电路图

ZRE151, 152 系列　　2007年 6月



Pub. No. EM05N0EC

# 前言

此电路图手册提供了 COROLLA 电气系统的信息。

适用车型 : ZRE151，152 系列

本手册中未予以阐述的上述车型的维修规范和修理步骤，敬请参考下列手册 :

| 手册名称 | 出版号 |
|---|---|
| · COROLLA 修理手册 | RM05N0EC |
| · COROLLA 新车特征 | NM05N0EC |

本手册中收录的所有信息是手册出版时最新的车辆信息。但是，规格和步骤可能出现变化，恕不另行通知。

**丰田汽车公司**

**小心**

**处理辅助约束系统零部件 ( 拆卸、安装或检查等 ) 时，必须遵守上述修理手册列出的说明，避免引发事故和辅助约束系统出现故障。**

# COROLLA
# 电路图

# A 导言

本手册由以下 13 个章节组成：

| 代码 | 章节 | 简述 |
|---|---|---|
| A | 索引 | 本手册内容的索引。 |
| | 导言 | 各章节的简要说明。 |
| B | 如何使用本手册 | 说明如何使用本手册。 |
| C | 故障排除 | 描述电路的基本检查步骤。 |
| D | 缩写 | 定义本手册中使用的缩写。 |
| E | 术语和符号表 | 定义主要零件的符号和功能。 |
| F | 继电器位置分布图 | 标示电子控制装置、继电器、继电器盒等的位置。<br>这一章与系统电路紧密相关。 |
| G | 电路图 | 标示零件连接器、接点、搭铁点等的位置。<br>这一章与系统电路紧密相关。 |
| H | 索引 | 系统电路的索引。 |
| | 系统电路 | 各系统电路图显示从电源到搭铁点的全部电路。根据连接方法通过代码来显示和分类电路连接及其位置（参见“如何使用本手册”一章）。本章还包括用于故障排除的“系统概述”和“维修提示”。<br>（仅包含完整电路的配线信息。） |
| I | 搭铁点 | 标示本手册中所有零件的搭铁位置。 |
| J | 电源（电流流程图） | 描述从电源到各个电力负载的电源分配情况。 |
| K | 连接器表 | 描述本手册中出现的零件的连接器形状。<br>这一章与系统电路紧密相关。 |
| L | 连接器零件号 | 说明本手册中使用的连接器的零件号。 |
| M | 总电路图 | 提供标示电路连接的电路图。<br>（仅包含完整电路的配线信息。） |

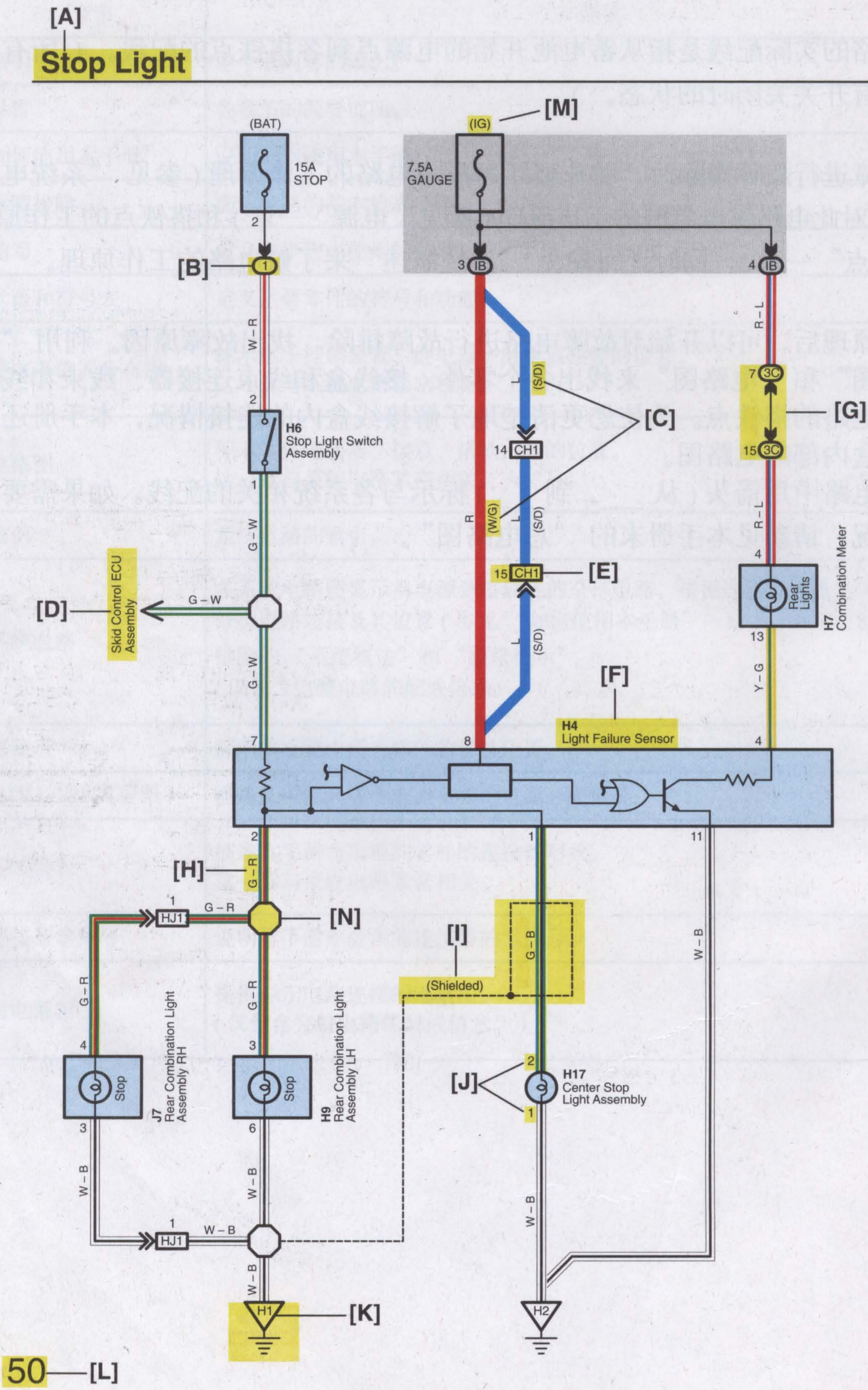
本手册将车辆上安装的电路按所属系统划分，提供各系统电路的资料。

各系统电路的实际配线是指从蓄电池开始的电源点到各搭铁点的配线。( 所有电路图均显示所有开关关闭时的状态。)

对任何故障进行故障排除时，首先要了解故障电路的工作原理 ( 参见 “系统电路” 一章 )，了解对此电路供电电源的工作原理 ( 参见 “电源” 一章 ) 和搭铁点的工作原理 ( 参见 “搭铁点” 一章 )，同时还可参见 “系统概述” 来了解电路的工作原理。

了解电路原理后，可以开始对故障电路进行故障排除，找出故障原因。利用 “继电器位置分布图” 和 “电路图” 来找出各个零件、接线盒和线束连接器、线束和线束连接器及系统电路的搭铁点。为使您更清楚地了解接线盒内的连接情况，本手册还提供了每个接线盒内部的电路图。
在各系统电路中用箭头 ( 从 ___，到 ___ ) 标示与各系统相关的配线。如果需要了解总体连接情况，请参见本手册末的 “总电路图”。

*此系统图仅作参考样图，与“系统电路”一章中的实际电路不同。



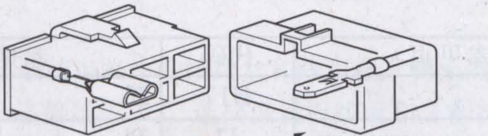
[A] ：系统名称

[B] ：表示继电器盒。无阴影表示且仅显示继电器盒号以区别接线盒
例：①表示 1 号继电器盒

[C] ：当车辆型号、发动机类型或规格不同时，用( )来表示不同的配线和连接器。

[D] ：表示相关系统。

[E] ：表示用以连接两根线束的(阳或阴)连接器的代码。该连接器代码由两个字母和一个数字组成。




连接器代码的第一个字符表示指示带阴连接器的线束的字母代码，第二个字符表示带阳连接器的线束的字母代码。

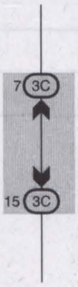
第三个字母表示在出现多种相同的线束组合时，用于区分线束组合的系列号(如 CH1 和 CH2)。

符号 (≫) 表示阳端子连接器。连接器代码外侧的数字表示阳连接器或阴连接器的引脚编号。

[F] ：表示零件(所有零件用天蓝色表示)。此代码与零件位置图中所用的代码相同。

[G] ：接线盒(圈内的数字是接线盒号，旁边为连接器代码)。接线盒用阴影标出，以便将它与其他零件清楚地区别开来。

例：



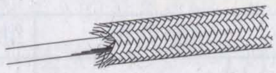

[H] ：表示配线颜色。
配线颜色用字母表示。

| | | |
|---|---|---|
| B = 黑色 | W = 白色 | BR = 褐色 |
| L = 蓝色 | V = 紫色 | SB = 天蓝色 |
| R = 红色 | G = 绿色 | LG = 浅绿色 |
| P = 粉色 | Y = 黄色 | GR = 灰色 |
| O = 橙色 | | |

第一个字母表示基本配线颜色，第二个字母表示条纹的颜色。

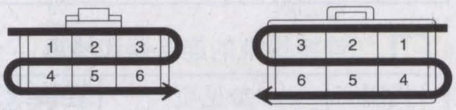
例： L - Y


[I] ：表示屏蔽电缆。



[J] ：表示连接器引脚的编号。
阳连接器和阴连接器的编号系统各异。

例：从左上到右下依次标出编号　　从右上到左下依次标出编号



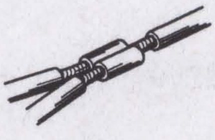

[K] ：表示搭铁点。该代码由两个字符组成：一个字母和一个数字。
该代码的第一个字符表示指示线束的字母代码。第二个字符表示在同一线束有多个搭铁点时作区别用的系列号。

[L] ：页码

[M] ：表示保险丝通电时的点火开关位置。

[N] ：表示配线接点。

例：



[O] 系统概述

始终使电流通过制动灯保险丝加到制动灯开关总成的端子 2 上。

打开点火或起动机开关总成时，电流从仪表保险丝流到灯故障传感器的端子 8，同时也流经后灯警告灯至灯故障传感器的端子 4。

**制动灯断开警告**

打开点火或起动机开关总成并踩下制动踏板（制动灯开关总成 ON），如果制动灯电路断路，且从灯故障传感器的端子 7 流到端子 1，2 的电流改变，则灯故障传感器检测到断开，且灯故障传感器的警告电路被激活。因此，电流从灯故障传感器的端子 4 流到端子 11，再流到搭铁，并使后灯警告灯亮起。通过踩下制动踏板，流到灯故障传感器的端子 8 的电流使警告电路保持 ON，并在关闭点火或起动机开关总成之前一直使警告灯亮起。

[P] ○ ：零件位置

| 代码 | 参见页 | 代码 | 参见页 | 代码 | 参见页 |
|---|---|---|---|---|---|
| H4 | 36 | H7 | 36 | H17 | 38 |
| H6 | 36 | H9 | 38 | J7 | 38 |

[Q] ⬭ ：继电器盒

| 代码 | 参见页 | 继电器盒（继电器盒位置） |
|---|---|---|
| 1 | 18 | 1 号继电器盒（仪表板左侧支架） |

[R] ⬭ ：接线盒和线束连接器

| 代码 | 参见页 | 接线盒和线束（连接器位置） |
|---|---|---|
| 3C | 22 | 仪表板线束和 3 号接线盒（仪表板左侧支架） |
| IB | 20 | 仪表板线束和仪表板接线盒（下装饰板） |

[S] □ ：连接线束的连接器和线束

| 代码 | 参见页 | 连接线束和线束（连接器位置） |
|---|---|---|
| CH1 | 42 | 发动机室主线束和仪表板线束（左侧踏脚板） |
| HJ1 | 50 | 仪表板线束和地板线束（右侧踏脚板） |

[T] ▽ ：搭铁点

| 代码 | 参见页 | 搭铁点位置 |
|---|---|---|
| H1 | 50 | 左侧中柱下方 |
| H2 | 50 | 背板中间 |

**[O]** ：解释系统概述。

**[P]** ：显示系统电路中的零件在车辆上的位置的参考页码。

例 : 零件 “H4”( 灯故障传感器 ) 在手册的 36 页。

* 该代码的第一个字符表示指示线束的字母，第二个字符表示与线束连接的零件的系列号。

例 : H 4

4 —— 连接的零件的系列号

H —— 线束代码

**[Q]** ：显示系统电路中的继电器盒连接器在车辆上的位置的参考页码。

例 : 在本手册的 18 页中描述了连接器 “1”，它被安装在仪表板的左侧。

**[R]** ：显示系统电路中的接线盒和线束在车辆上的位置的参考页码。

例 : 连接器 “3C”连接仪表板线束和 3 号接线盒。在本手册的 22 页中描述了此连接器，它被安装在仪表板的左侧。

**[S]** ：显示描述线束和线束连接器 ( 首先显示阴连接器线束，然后显示接头线束 ) 的参考页码。

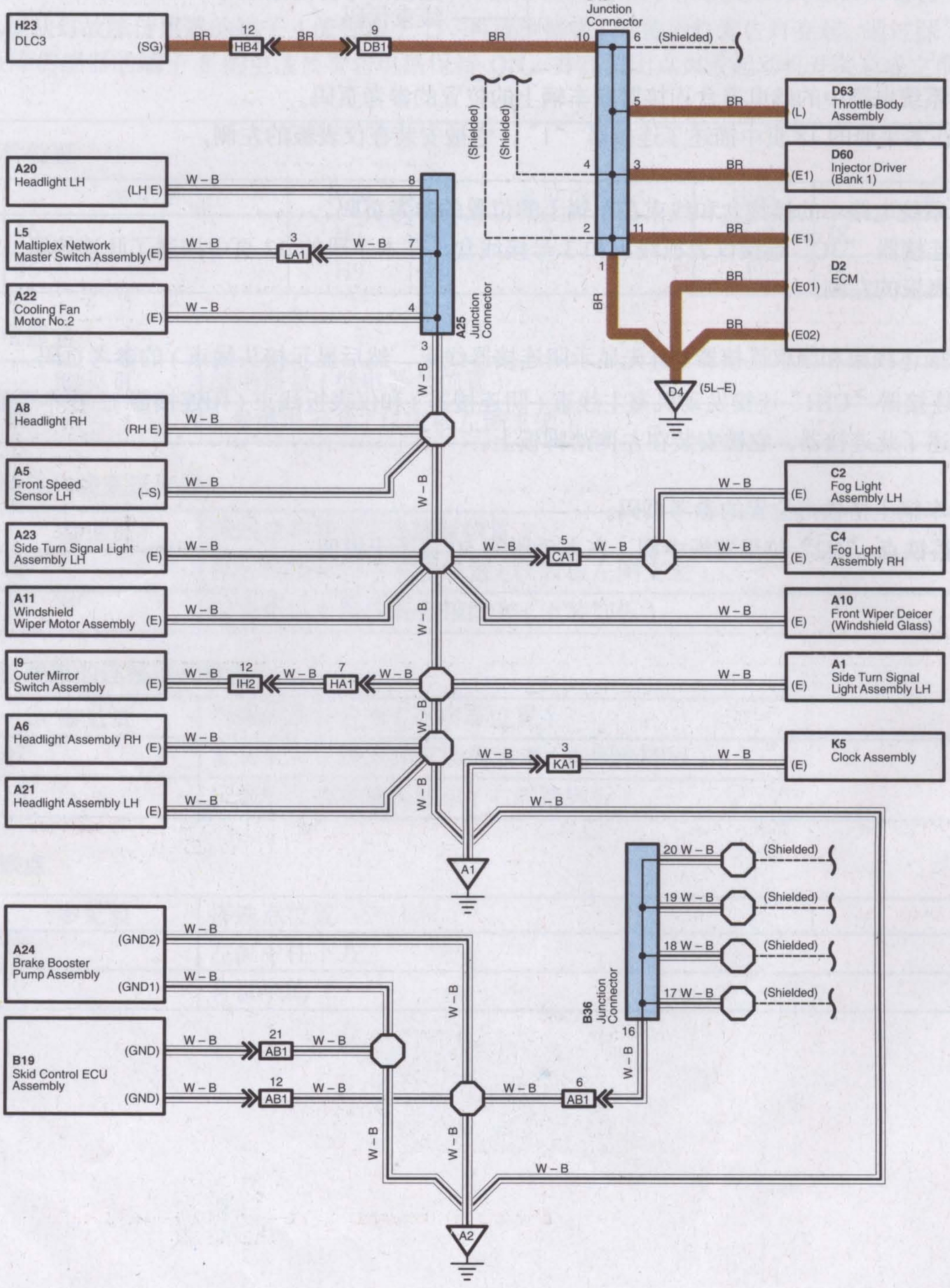
例 : 连接器 “CH1”连接发动机室主线束 ( 阴连接器 ) 和仪表板线束 ( 阳连接器 )。在本手册的 42 页中描述了此连接器，它被安装在左侧踏脚板上。

**[T]** ：显示车辆上搭铁点位置的参考页码。

例 : 搭铁点 “H2”位于背板中间，在本手册的 50 页予于说明。

搭铁点电路图显示从所有主要零件到各个搭铁点的连接情况。对故障搭铁点进行故障排除时，检查共用搭铁点的系统电路将有助于快速确认故障搭铁点。也可用此种方法检查搭铁点（下面用 A1 、A2 和 D4 表示）间的关系。

## I 搭铁点

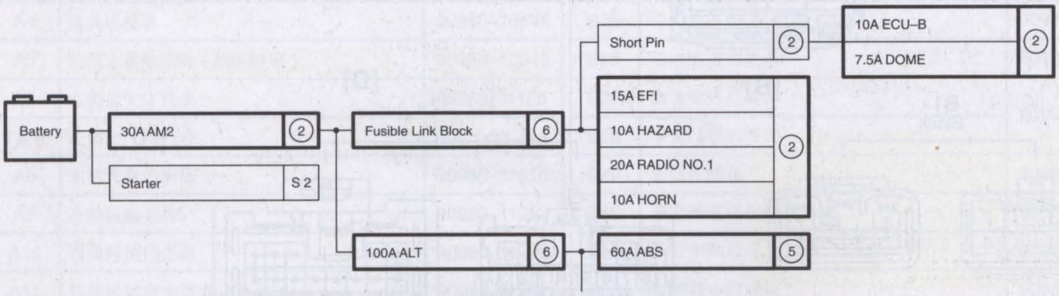



* 此系统图仅作参考样图，与“系统电路”一章中的实际电路不同。

“电流流程图”一章描述各电源（保险丝、熔断丝和断路器）的电流输送到哪个零件。在电源电路图中说明了给各系统提供蓄电池电源时的情况。因所有的系统电路图都与电源有关，因此必须对电源系统有全面的了解。

## J 电源（电流流程图）

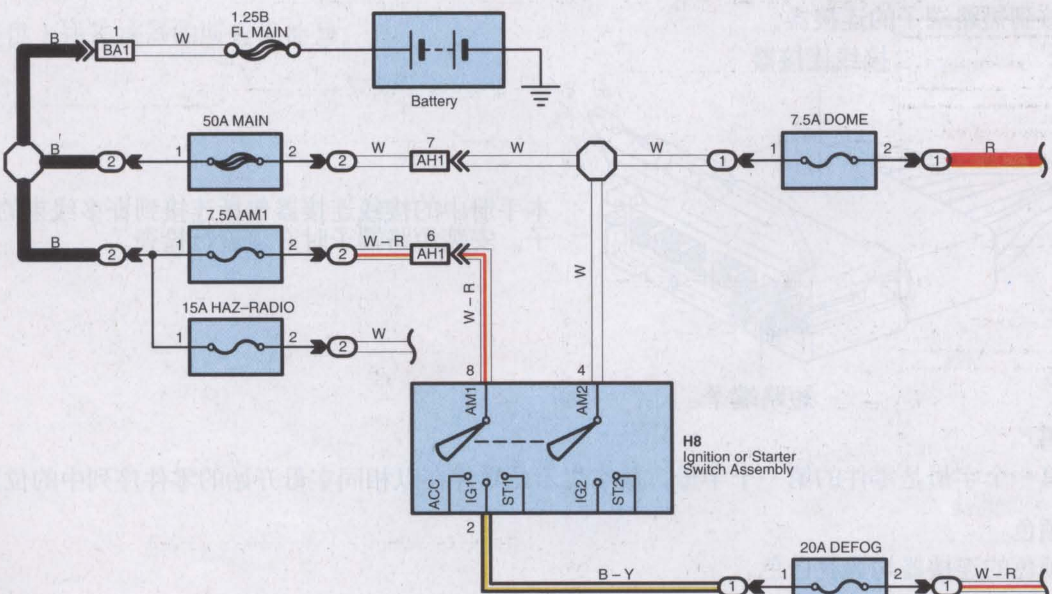
下图显示电流从蓄电池到每个电源（保险熔丝、断路器、保险丝等）和其他零件的路径。




### Engine Room R/B (See Page 20)

| Fuse | | System | Page |
|---|---|---|---|
| 20A | STOP | ABS<br>ABS and Traction Control<br>Cruise Control<br>Electronically Controlled Transmission<br>Multiplex Communication System | 194<br>187<br>180<br>166<br>210 |
| 10A | DOME | Cigarette Lighter<br>Combination Meter<br>Headlight<br>Interior Light<br>Key Reminder and Seat Belt Warning<br>Light Auto Turn Off System | 214<br>230<br>112<br>122 |

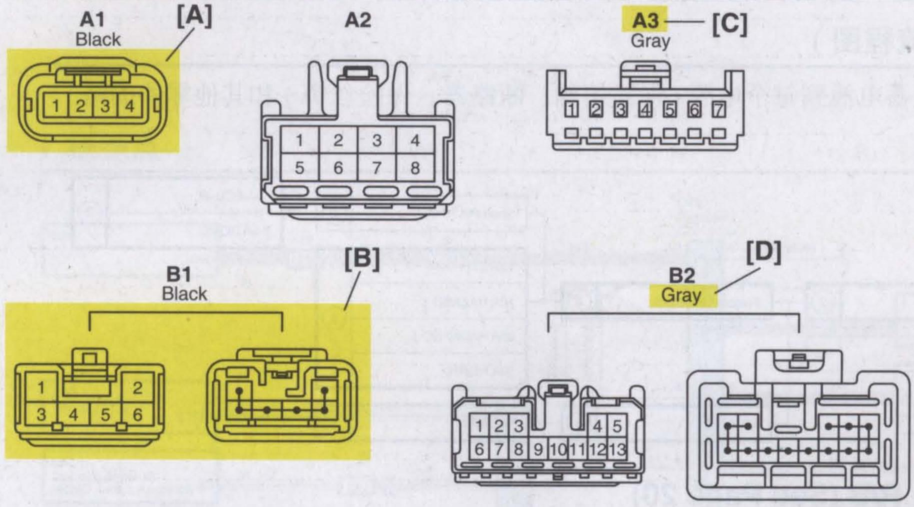
## 电源



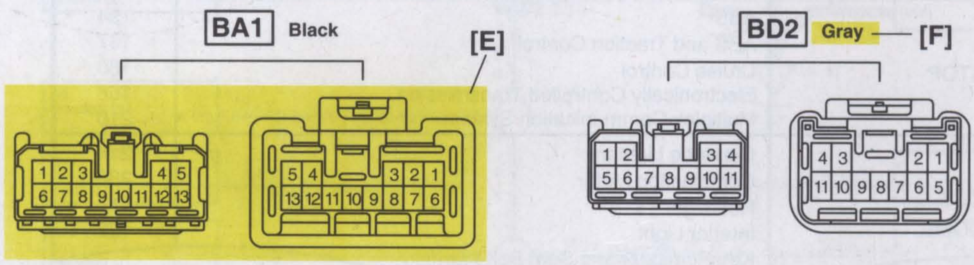

* 此系统图仅作参考样图，与“系统电路”一章中的实际电路不同。

## B 如何使用本手册

### K 连接器表

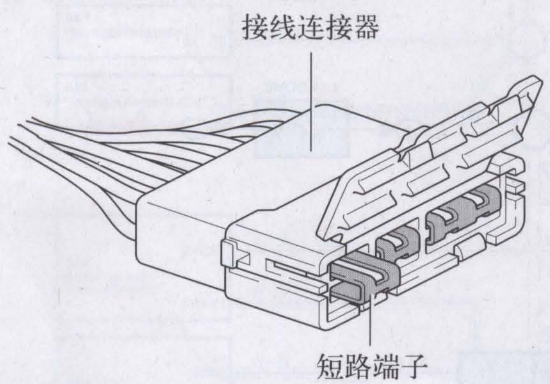



### K 连接器表




[A] ：表示连接到零件的连接器。（数字表示引脚号）

[B] ：接线连接器
表示连接到短路端子的连接器。




本手册中的接线连接器包括连接到许多线束的短路端子。安装短路端子时必须进行检查。

[C] ：零件代码
代码的第一个字母是零件的第一个字母，数字表示此零件在以相同字母开始的零件序列中的位置。

[D] ：连接器颜色
未标明颜色的连接器均为乳白色。

[E] ：表示用于连接线束的连接器的外形。
居左：阴连接器外形
居右：阳连接器外形
数字表示引脚号

[F] ：表示连接器颜色。（未标明颜色的连接器均为白色）

## L 连接器零件号

| 代码 | 零件名 | 零件号 | 代码 | 零件名 | 零件号 |
|---|---|---|---|---|---|
| A1 | 左侧转向信号灯总成 | 90980–11019 | B22 | 左侧前大灯总成 | 90980–12470 |
| A2 | 左侧转向信号灯总成 | 90980–11163 | B23 | 左侧前大灯总成 | 90980–12253 |
| A3 | 前大灯清洗器电动机和泵总成 | 90980–12292 | B24 | 左侧前大灯总成 | 90980–10463 |
| A4 | 接线连接器 | 90980–10845 | B25 | 动力转向 ECU 总成 | 90980–12253 |
| A5 | 前刮水器除冰器（挡风玻璃） | 90980–10943 | B26 | 环境温度传感器 | 90980–12470 |
| A6 | 右侧前大灯总成 | 90980–11156 | B27 | 高音喇叭总成 | 90980–10841 |
| [illegible] | 左侧前[illegible]成 | 9098[illegible]314 | B28 | 安全门控灯开关 | |
| A8 | 左前气囊传感器 | 90980–11016 | B29 | 废气传感器 | 90980–10735 |
| A9 | 冷却风扇 ECU | 90980–11252 | B30 | 毫米波雷达传感器总成 | 90980–11003 |
| A10 | 左前转速传感器 | 90980–11207 | B32 | 低音喇叭总成 | 90980–10789 |
| A11 | 挡风玻璃刮水器电动机总成 | 90980–11599 | B33 | 右侧前大灯总成 | 90980–10121 |
| A12 | 左前减振器控制执行器 | 90980–11856 | B34 | 右侧前大灯总成 | 90980–11398 |
| A13 | 气囊[illegible] | 90980–12490 | B35 | 接线连接器 | |

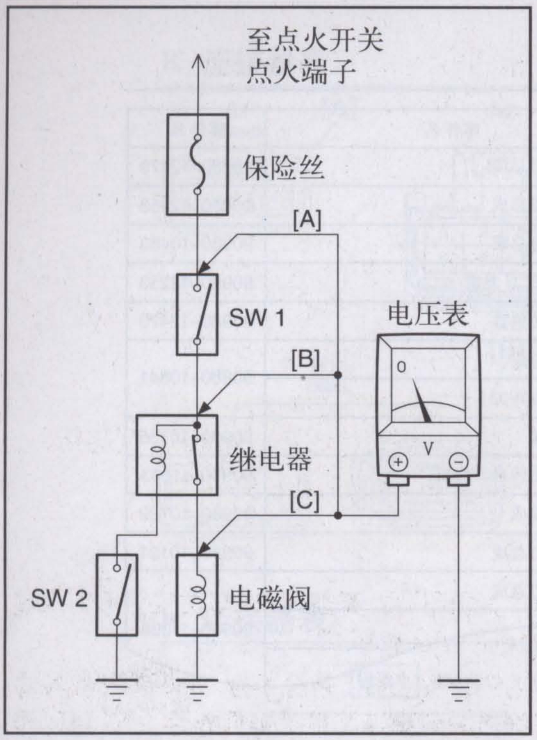
[A] [B] [C]

**[A]** ：零件代码

**[B]** ：零件名
圆括号中的文字为附加的零件信息。

**[C]** ：零件号
显示丰田零件号。

未提供上述连接器的所有零件号。




## 电压检查

(a) 在如下情况时检查点有电压。

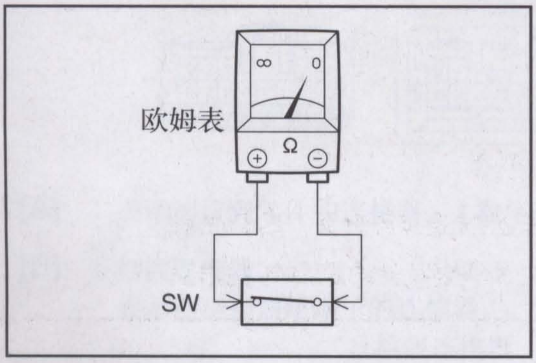
例：

[A] - 点火开关打开

[B] - 点火开关和 SW 1 打开

[C] - 点火开关、 SW 1 和继电器打开 (SW 2 关闭)

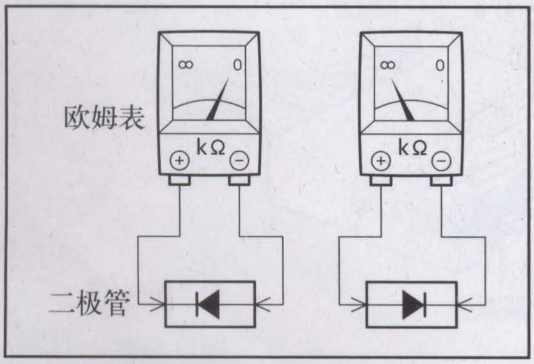
(b) 用电压表将负极导线连接到正常的搭铁点或蓄电池负极端子上，正极导线连接到连接器或零部件端子上。
也可使用测试灯代替电压表检查电压。



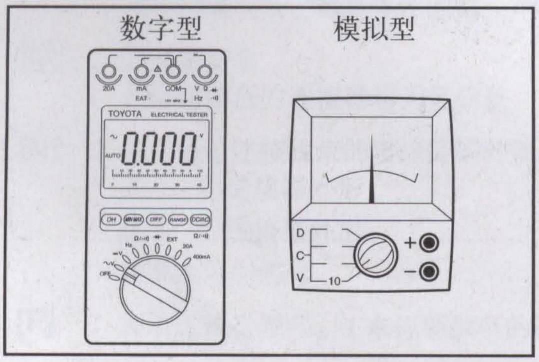

## 导通性和电阻检查

(a) 断开蓄电池端子或配线，使检查点间没有电压。

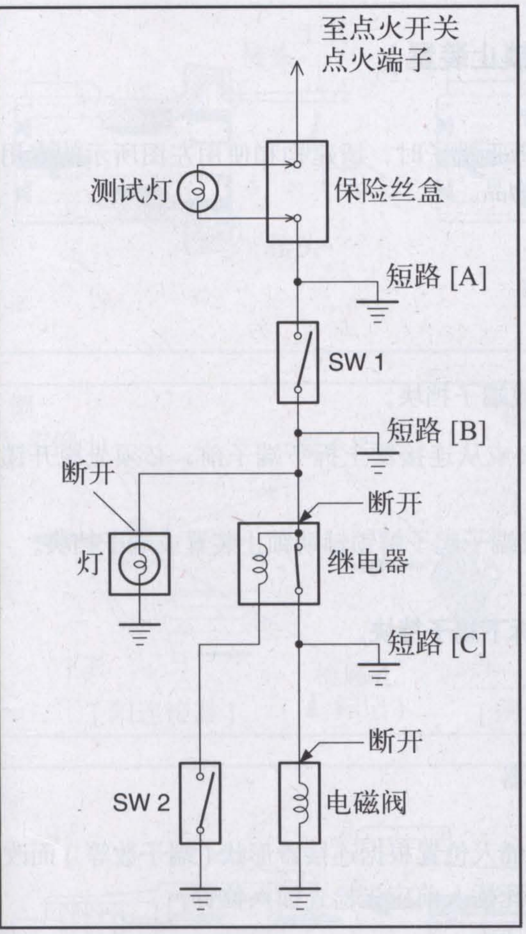
(b) 用欧姆表的两根导线接触检查点两端。




如果电路有二极管，则反接两根导线，再次进行检查。
将负极导线接触二极管正极侧，正极导线接触负极侧时，应显示导通。
如果将两根导线反接，则应显示不导通。




(c) 用高阻抗 ( 最小 10 kΩ/V) 电压表 / 欧姆表对电路进行故障排除。




## 查找短路电路

(a) 拆下熔断的保险丝并断开保险丝的所有负载。

(b) 在保险丝的位置连接测试灯。

(c) 在如下情况下测试灯亮。

例：

[A] - 点火开关打开

[B] - 点火开关和 SW 1 打开

[C] - 点火开关、 SW 1 和继电器打开 ( 连接继电器 ) 和 SW 2 关闭 ( 或断开 SW 2)

(d) 查看测试灯时，断开并重新连接连接器。
测试灯仍点亮的连接器和测试灯熄灭的连接器之间短路。

(e) 沿车身轻微晃动故障线束以准确找出短路部位。

**注意：**

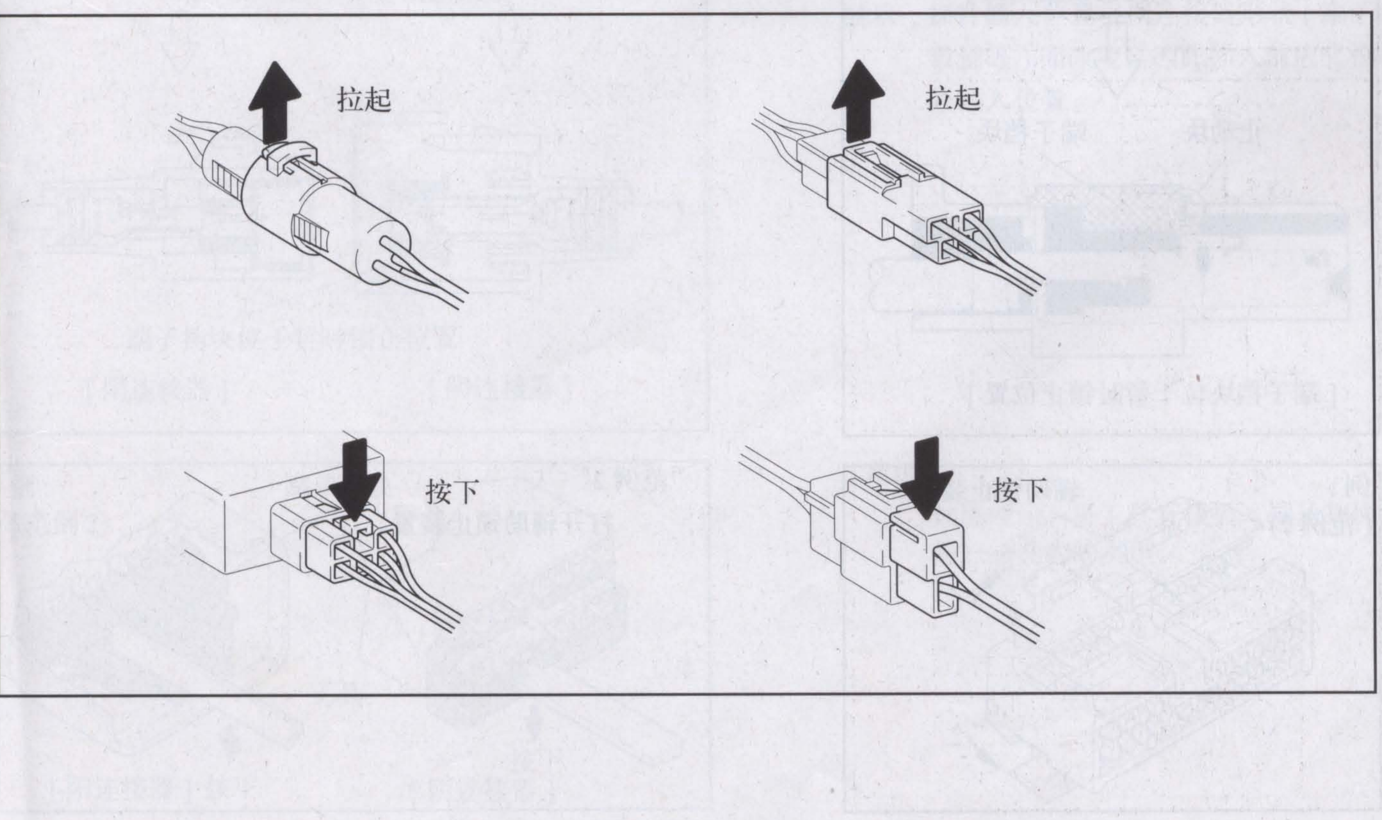
**(a) 除非有绝对必要，否则不要打开盖或 ECU 的壳。( 如果接触 IC 端子，则静电可能会损坏 IC。)**

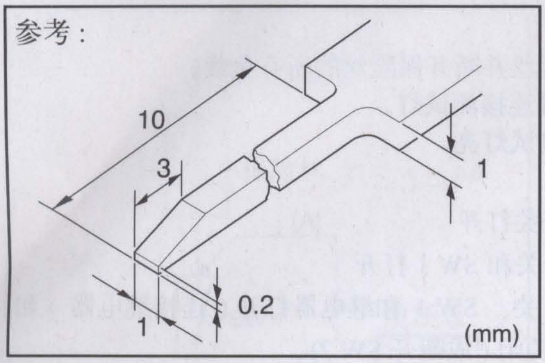
**(b) 更换数字仪表的内部装置 (ECU 部分 ) 时，小心不要使身体的任一部位或衣物接触到更换零件 ( 备用零件 ) IC 等的导线的端子。**

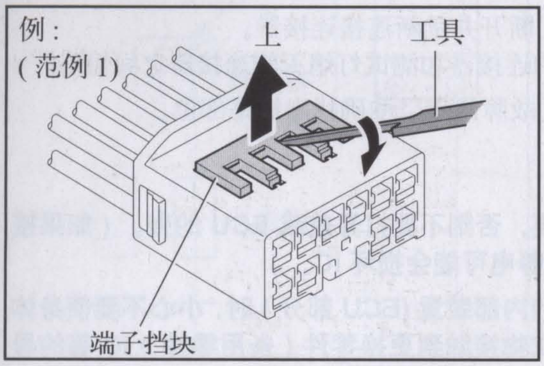
## 断开阳连接器和阴连接器

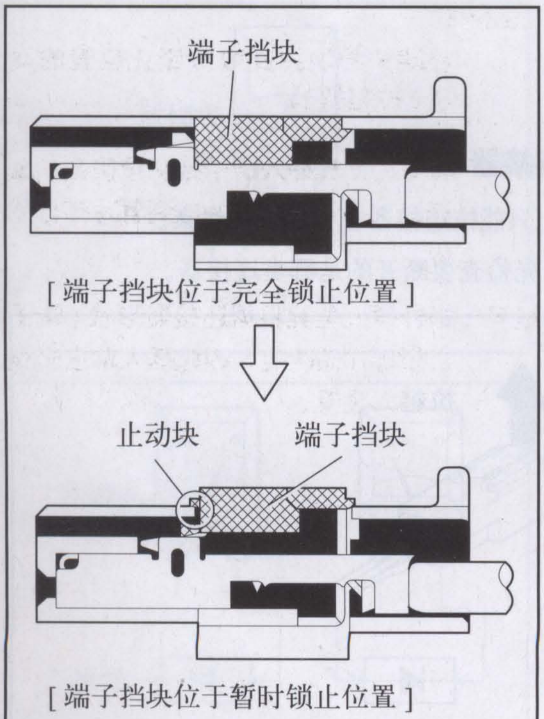
断开连接器时，只能拉连接器自身，而非线束。

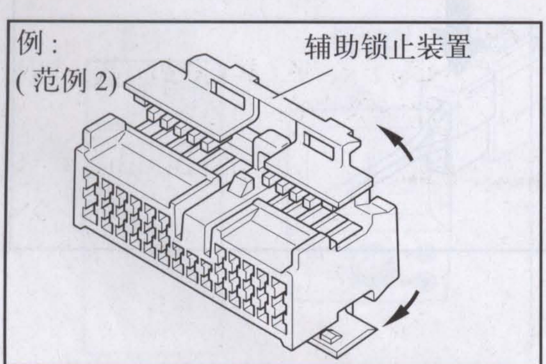
提示：断开前，先检查要断开的是哪类连接器。






## 如何更换端子
## (带端子挡块或辅助锁止装置)

1. 准备专用工具

提示：从连接器上拆下端子时，请建构和使用左图所示的专用工具或类似物品。

2. 断开连接器

3. 脱开辅助锁止装置或端子挡块。

(a) 松开端子锁止夹或从连接器上拆下端子前，必须先脱开锁止装置。

(b) 使用专用工具或端子起子解锁辅助锁止装置或端子挡块。

**小心：**

**不要从连接器体上拆下端子挡块。**

[A] 非防水型连接器

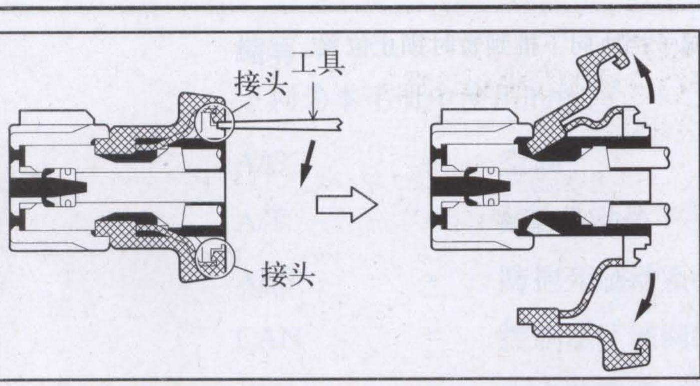
提示：探针的插入位置根据连接器形状(端子数等)而改变，因此插入前应先检查插入位置。

"范例 1"

将端子挡块拉到暂时锁止位置。

"范例 2"

打开辅助锁止装置。




[B] 防水型连接器

提示：端子挡块颜色根据连接器体颜色不同而不同。

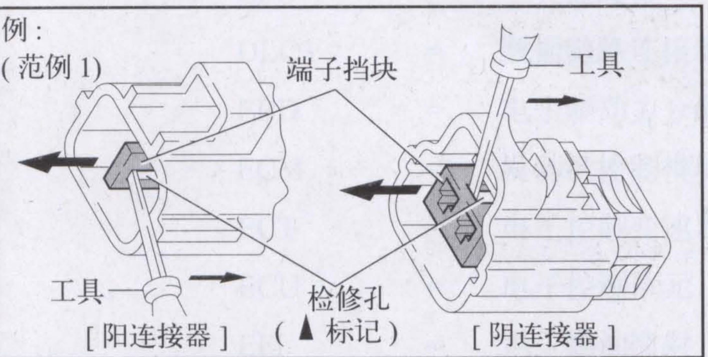
例：

<u>端子挡块</u>：<u>连接器体</u>

黑色或白色：灰色

黑色或白色：深灰色

灰色或白色：黑色

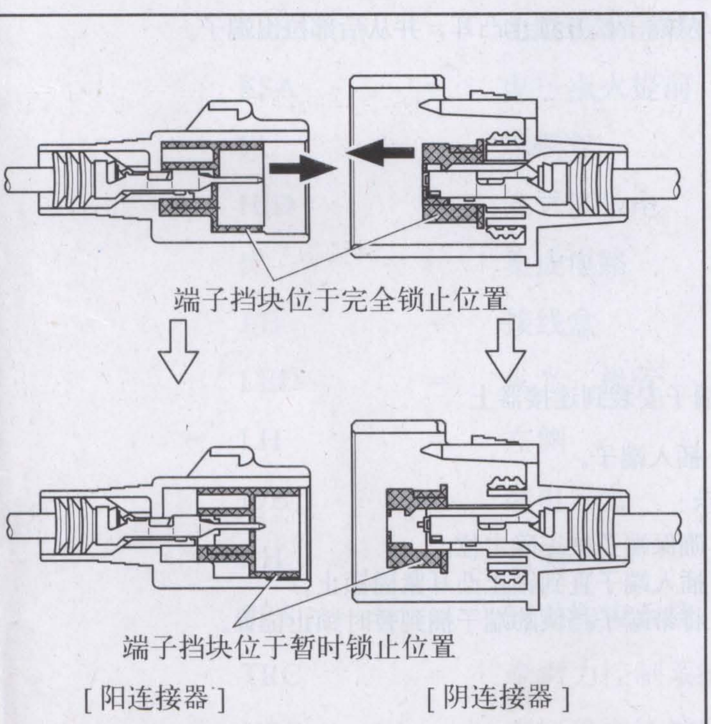



"范例 1"

将端子挡块拉到暂时锁止位置的类型（拉起型）。

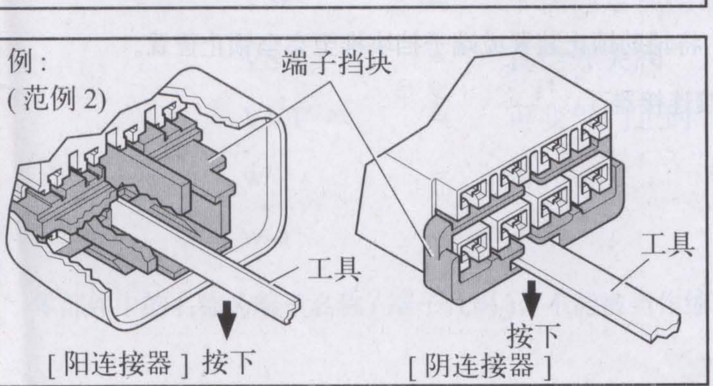
将专用工具插入端子挡块检修孔（▲标记）并将端子挡块拉到暂时锁止位置。

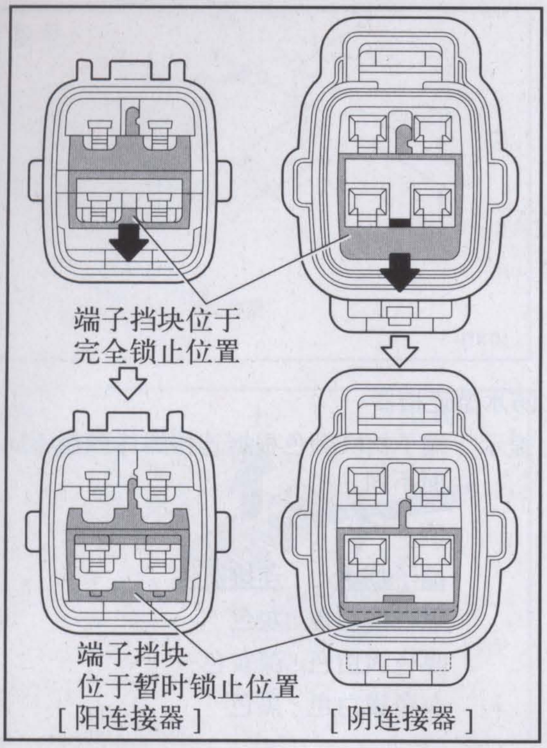
提示：探针插入位置根据连接器形状（端子数量等）而改变，因此插入前应先检查插入位置。



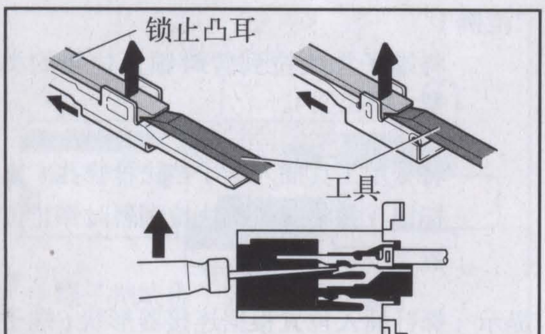

"范例 2"

如图所示，将工具直接插入端子挡块的检修孔内的类型。

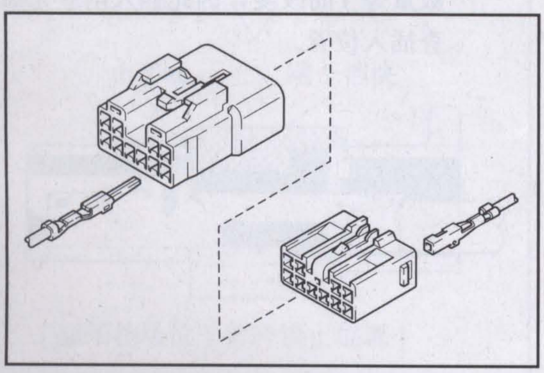





将端子挡块向下推到暂时锁止位置。




(c) 从端子松开锁止凸耳，并从后部拉出端子。

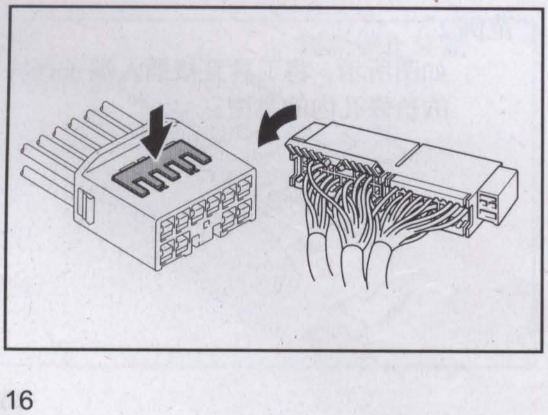


4. 将端子安装到连接器上

(a) 插入端子。

提示：

1. 确保端子被正确定位。
2. 插入端子直到锁止凸耳紧固锁止。
3. 将带端子挡块的端子插到暂时锁止位置。



(b) 将辅助锁止装置或端子挡块推至完全锁止位置。

5. 连接连接器

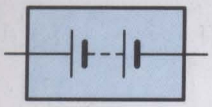
## 缩写

下列为本手册中使用的缩写。

| | | |
|---|---|---|
| A/C | = | 空调 |
| A/T | = | 自动传动桥 |
| ABS | = | 防抱死制动系统 |
| CAN | = | 控制器区域网络 |
| CPU | = | 中央处理器 |
| DLC3 | = | 数据链路连接器 3 |
| EBD | = | 电子制动力分配 |
| ECM | = | 发动机控制模块 |
| ECT | = | 电子控制变速器 |
| ECU | = | 电子控制单元 |
| EFI | = | 电子燃油喷射 |
| EPS | = | 电动机动力转向 |
| ESA | = | 电子点火提前 |
| FL | = | 熔断丝 |
| HID | = | 高强度放电 |
| IC | = | 集成电路 |
| J/B | = | 接线盒 |
| LED | = | 发光二极管 |
| LH | = | 左侧 |
| R/B | = | 继电器盒 |
| RH | = | 右侧 |
| SRS | = | 辅助约束系统 |
| TRC | = | 牵引力控制系统 |
| VSC | = | 车辆稳定性控制 |
| VSV | = | 真空开关阀 |
| VVT | = | 可变气门正时 |
| w/ | = | 带 |
| w/o | = | 不带 |

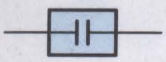
* 零部件中的名称为端子名称 ( 端子代码 )，不能被当作缩写。

# E 术语和符号表



**蓄电池**

存储化学能并将其转化为电能。给汽车的各个电路提供直流电。

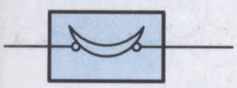


**电容器**

小型临时电压保持装置。

**点烟器**

电阻加热元件。



**断路器**

断路器是一根可再次使用的保险丝，如果流经的电流过大，断路器将变热并断开。
冷却之后部分装置自动重新设定，而另一部分必须重新手动设定。

**二极管**

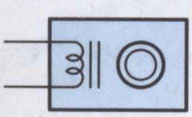
仅允许电流单向流通的半导体。

**二极管，稳压二极管**

此二极管只在规定电压时允许电流单向流通并阻止逆向流通。超过该电压，则由其分流余压。可以简单起到调压器的作用。

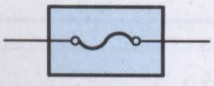
**光敏二极管**

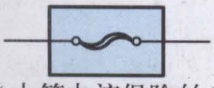
光敏二极管是根据光线数量控制电流的半导体。



**分电器，IIA**

将高压电流从点火线圈引到每个火花塞。





（中等电流保险丝）

（大电流保险丝或保险熔丝）

**保险丝**

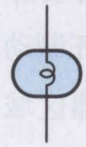
这是一薄的金属片，如果流经的电流过大，则会熔断，从而切断电流来保护电路免受损坏。

**熔断丝**

这是位于大电流电路中的粗导线，如果电负荷过大，则会熔断，从而保护电路。数字表示导线的横截面面积。

**搭铁**

指配线连接车身的点，给电路提供回路，如果没有搭铁，则电流不能流动。



1. 单丝

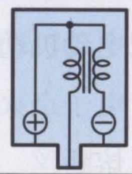
2. 双丝

**前大灯**

电流使前大灯灯丝加热并发光。前大灯既可以有一根灯丝 (1)，也可以有两根灯丝 (2)。

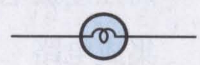
**喇叭**

发出高频音频信号的电子设备。



**点火线圈**

将低压直流电转换为点燃火花塞的高压点火电流。



**灯**

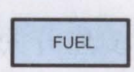
流经灯丝的电流加热灯丝并使之发光。

**LED（发光二极管）**

基于电流，这些二极管不同于一般的灯，它发光但不产生热量。

**模拟型仪表**

电流将起动一个电磁线圈，这将会导致指针的移动，从而，提供一个与背景刻度相对照的相关显示。



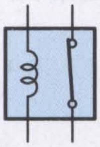

**数字型仪表**

电流起动 LED、LCD 或荧光显示屏中的一个或数个，将提供相关显示或数字显示。

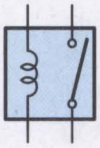

**电动机**

这是将电能转换为机械能的电源装置，特别是对于旋转运动。

### 继电器



1. 正常关闭

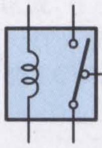


2. 正常打开

基本上，这是可以正常关闭 (1) 或打开 (2) 的电子操作开关。

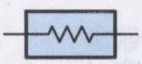
流经小线圈的电流将产生电磁场，会打开或关闭附属的开关。

### 双投继电器



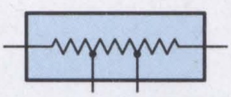
这是电流流经一组接点或其他组的继电器。

### 电阻器



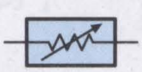
这是具有固定电阻的电子元件，安装在电路中来将电压降低到规定值。

### 抽头电阻器



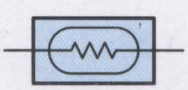
这是有两个或多个不同不可调电阻值的电阻器。

### 滑变电阻器或可变电阻器



这是可调电阻比的可控电阻器。有时也将之称为电位计或变阻器。

### 传感器（热敏电阻）



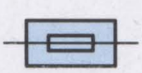
此电阻器可以根据温度而改变其电阻。

### 转度传感器

（舌簧开关式）

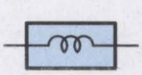
此传感器使用电磁脉冲来打开和关闭产生起动其他部件的信号的开关。

### 短接销



用于在接线盒中提供不可断的连接。

### 电磁阀

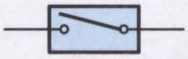


这是电磁线圈，当电流流经时，会形成一个磁场来移动活塞等等。

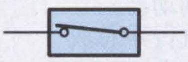
### 扬声器

这是可以根据电流产生声波的机电设备。

### 手动开关



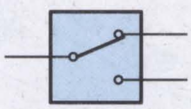
1. 正常打开



2. 正常关闭

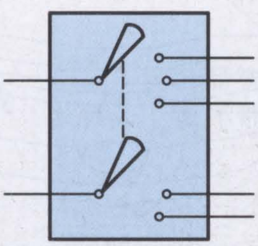
打开或关闭电路，从而停止 (1) 或流通 (2) 电流。

### 双投开关



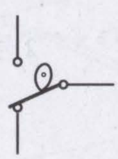
这是电流持续流经一组接点或其他组的开关。

### 点火开关



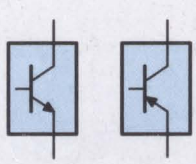
这是键操作开关，它有数个位置允许各个电路变为可操作，特别是初级点火电路。

### 刮水器停止开关



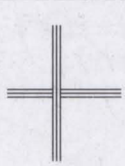
关闭刮水器开关时，此开关自动经刮水器返回到停止位置。

### 晶体管

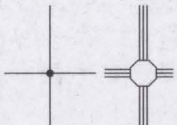


这是典型的被用作电子式继电器的固体电路设备；根据“基数”提供的电压切断或流通电流。

### 配线



(1) 未接合



(2) 接合

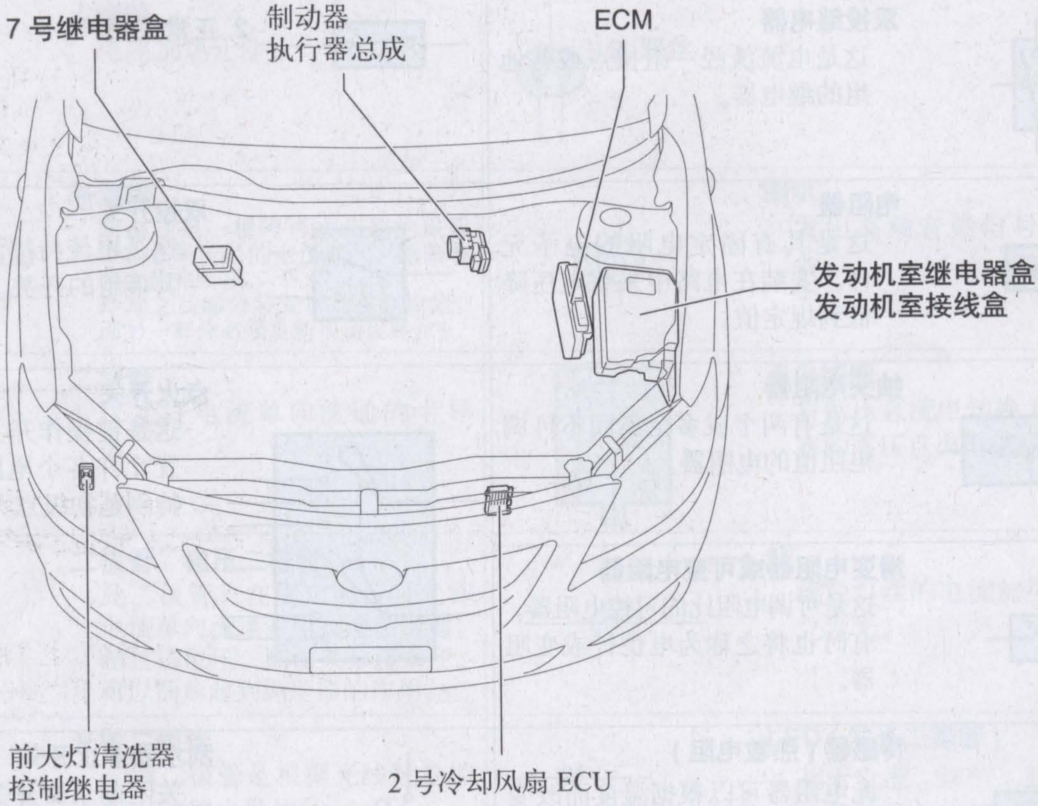
在电路图中，配线通常用直线表示。

在汇合处没有黑色圆点的交叉配线 (1) 没有接合。

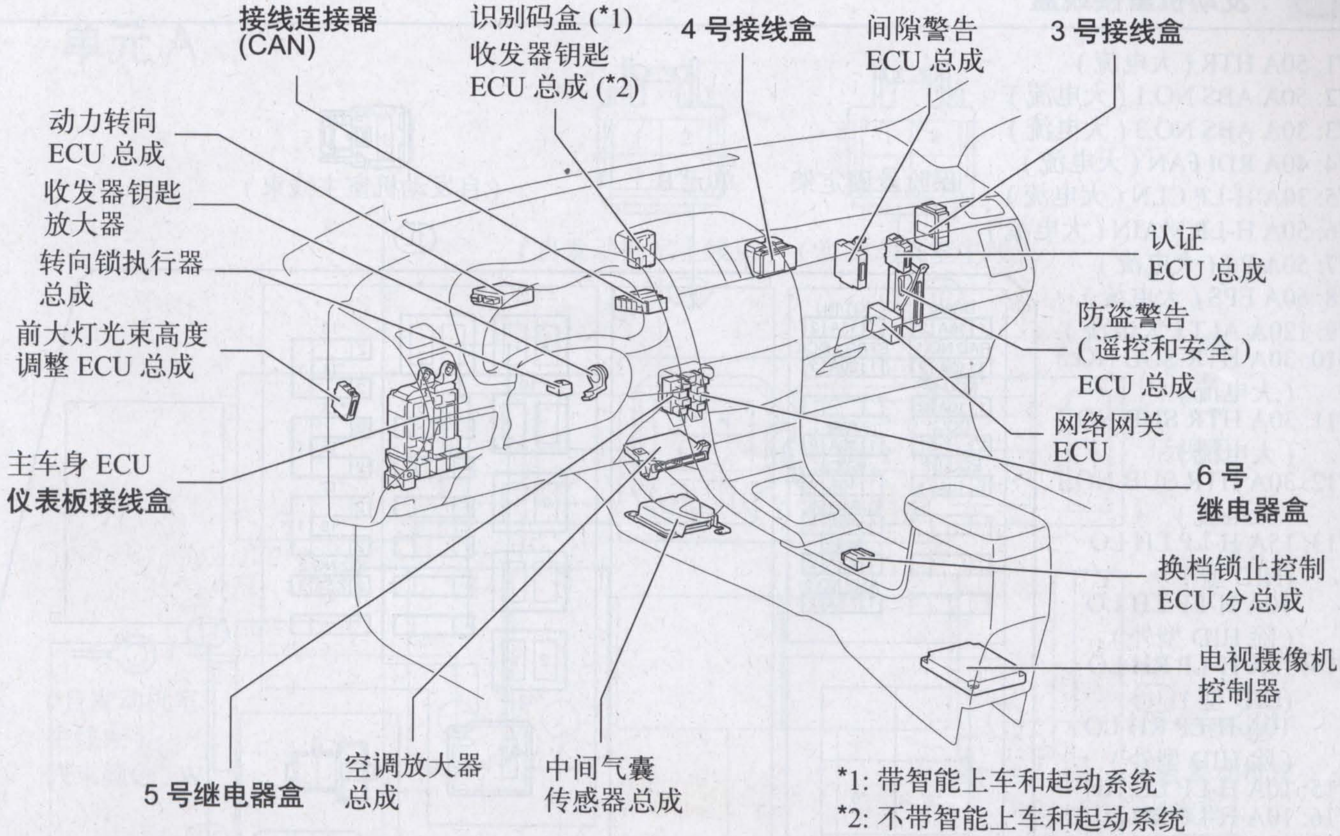
在汇合处有黑色圆点或八角形（○）标记的交叉配线 (2) 接合。

# F 继电器位置分布图

## [ 发动机室 ]

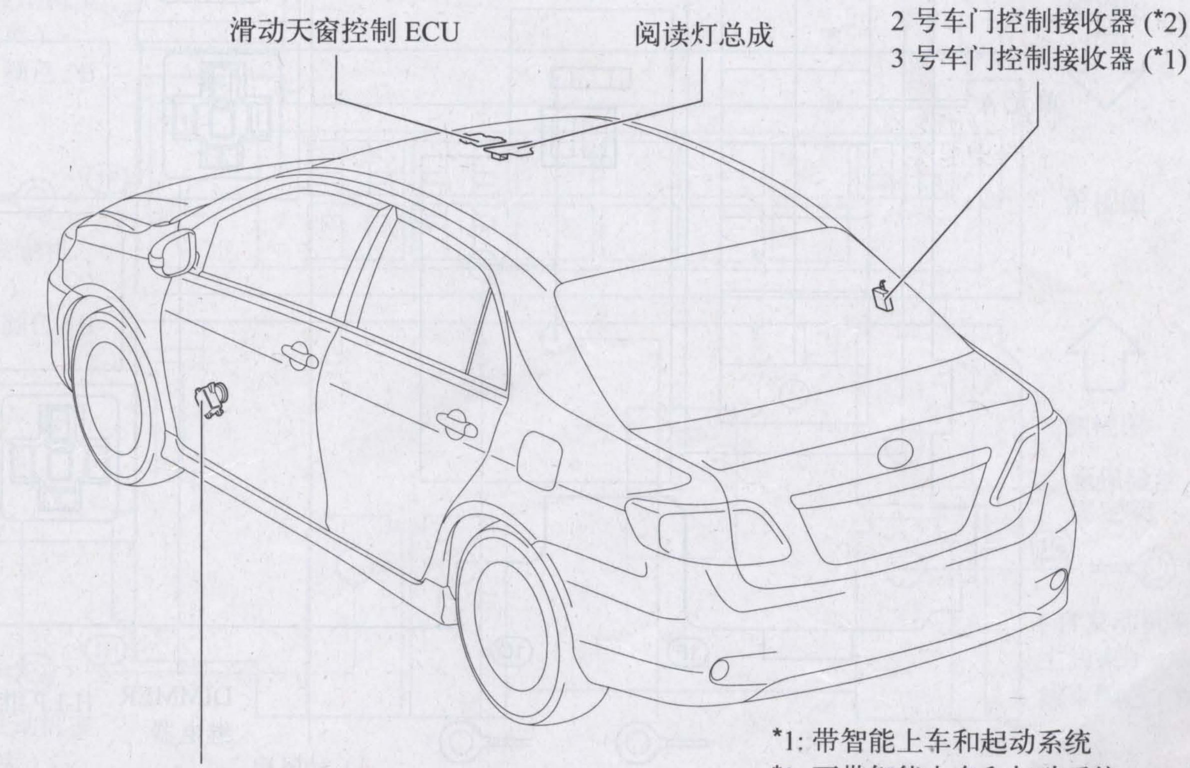


## 仪表板]



接线连接器
(CAN)
识别码盒 (*1)
收发器钥匙
ECU 总成 (*2)
4 号接线盒
间隙警告
ECU 总成
3 号接线盒
动力转向
ECU 总成
收发器钥匙
放大器
转向锁执行器
总成
前大灯光束高度
调整 ECU 总成
主车身 ECU
仪表板接线盒
认证
ECU 总成
防盗警告
(遥控和安全)
ECU 总成
网络网关
ECU
6 号
继电器盒
换档锁止控制
ECU 分总成
电视摄像机
控制器
5 号继电器盒
空调放大器
总成
中间气囊
传感器总成
*1: 带智能上车和起动系统
*2: 不带智能上车和起动系统


## 车身]

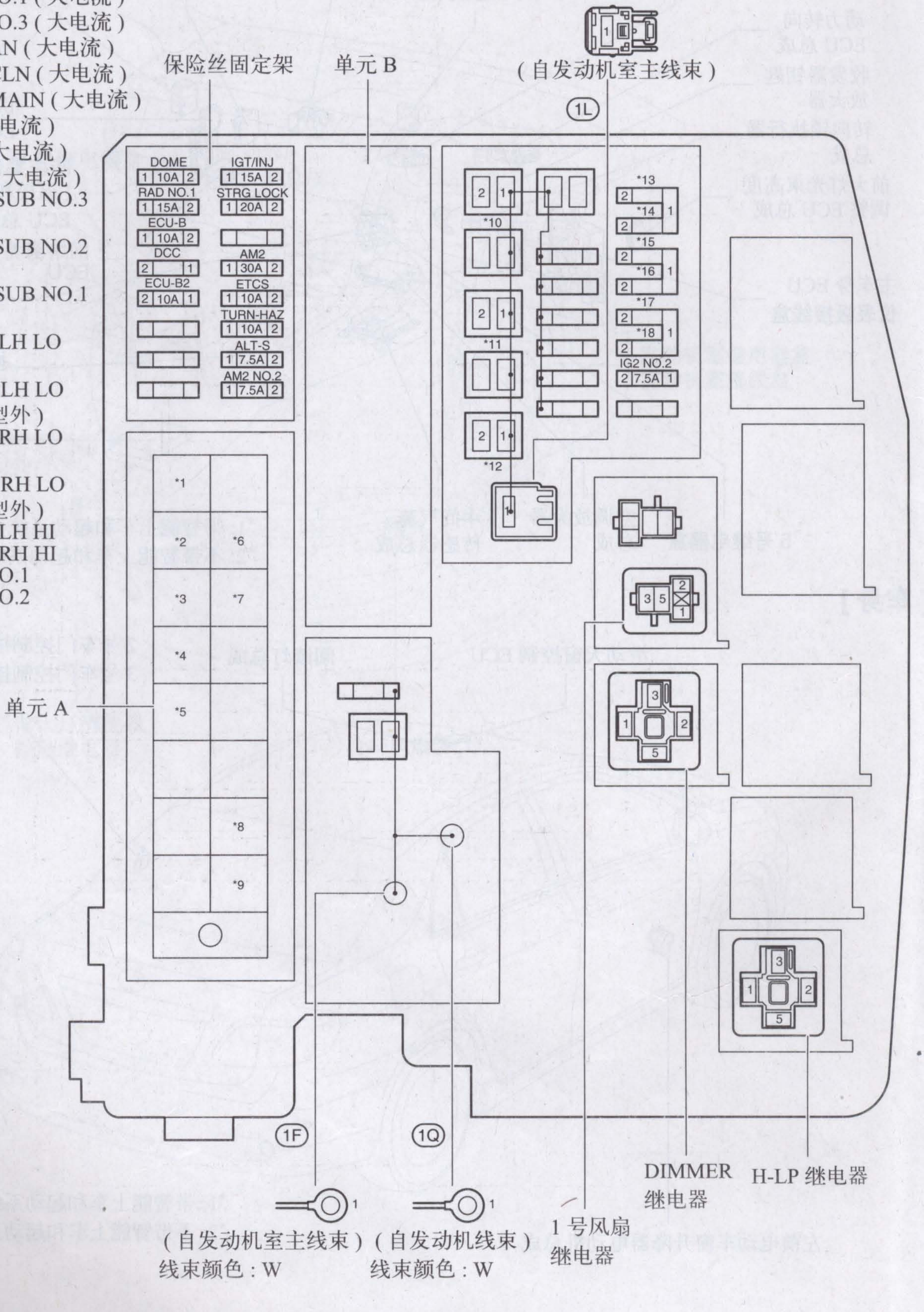


滑动天窗控制 ECU
阅读灯总成
2 号车门控制接收器 (*2)
3 号车门控制接收器 (*1)
*1: 带智能上车和起动系统
*2: 不带智能上车和起动系统
左前电动车窗升降器电动机总成

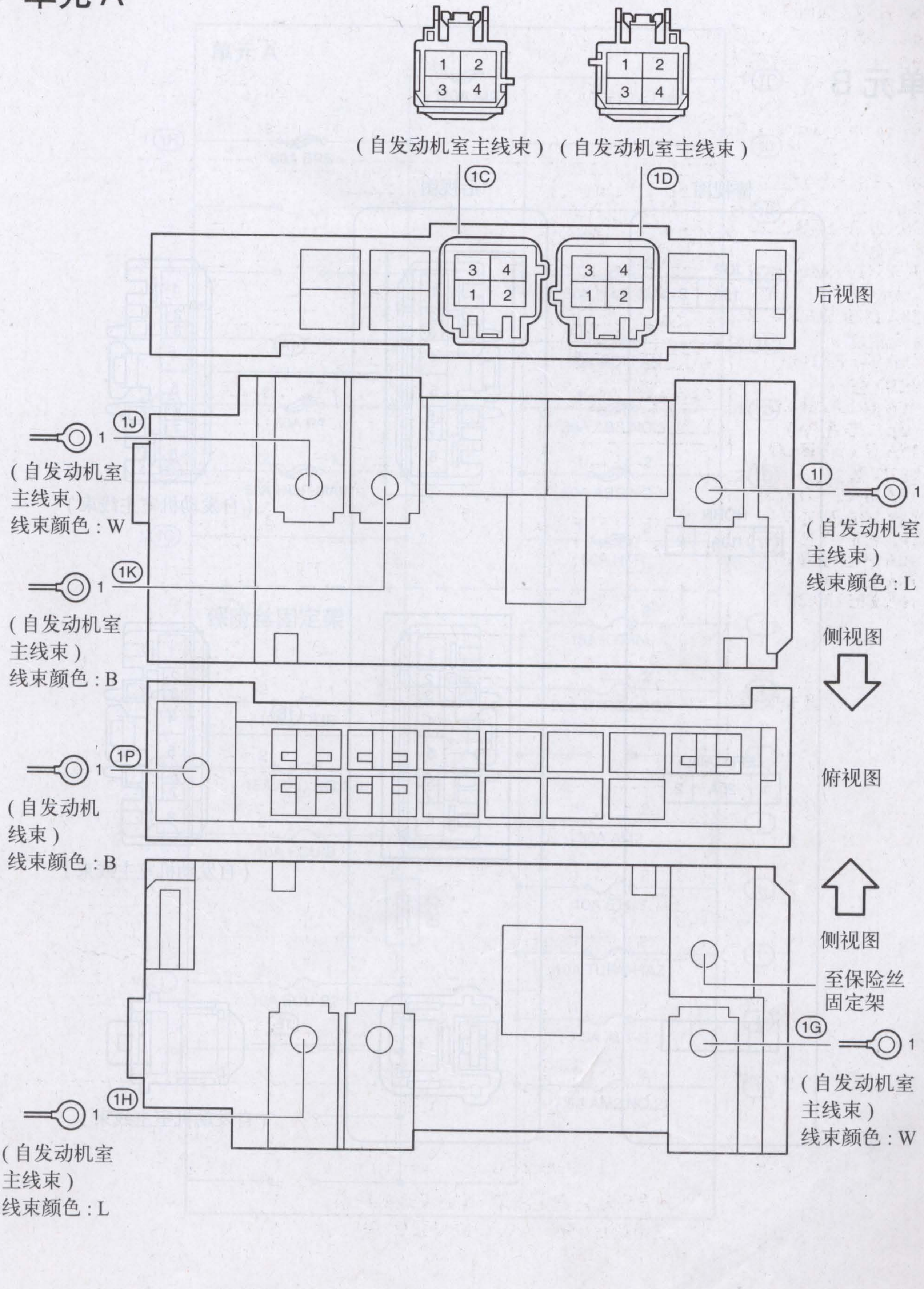
# F 继电器位置分布图

| ① : 发动机室继电器盒<br>⬭ : 发动机室接线盒 | 发动机室左侧 ( 参见 20 页 ) |
|---|---|

*1: 50A HTR ( 大电流 )
*2: 50A ABS NO.1 ( 大电流 )
*3: 30A ABS NO.3 ( 大电流 )
*4: 40A RDI FAN ( 大电流 )
*5: 30A H-LP CLN ( 大电流 )
*6: 50A H-LP MAIN ( 大电流 )
*7: 50A P/I ( 大电流 )
*8: 60A EPS ( 大电流 )
*9: 120A ALT ( 大电流 )
*10: 30A HTR SUB NO.3 ( 大电流 )
*11: 30A HTR SUB NO.2 ( 大电流 )
*12: 30A HTR SUB NO.1 ( 大电流 )
*13: 15A H-LP LH LO (HID 型 )
10A H-LP LH LO ( 除 HID 型外 )
*14: 15A H-LP RH LO (HID 型 )
10A H-LP RH LO ( 除 HID 型外 )
*15: 10A H-LP LH HI
*16: 10A H-LP RH HI
*17: 10A EFI NO.1
*18: 10A EFI NO.2



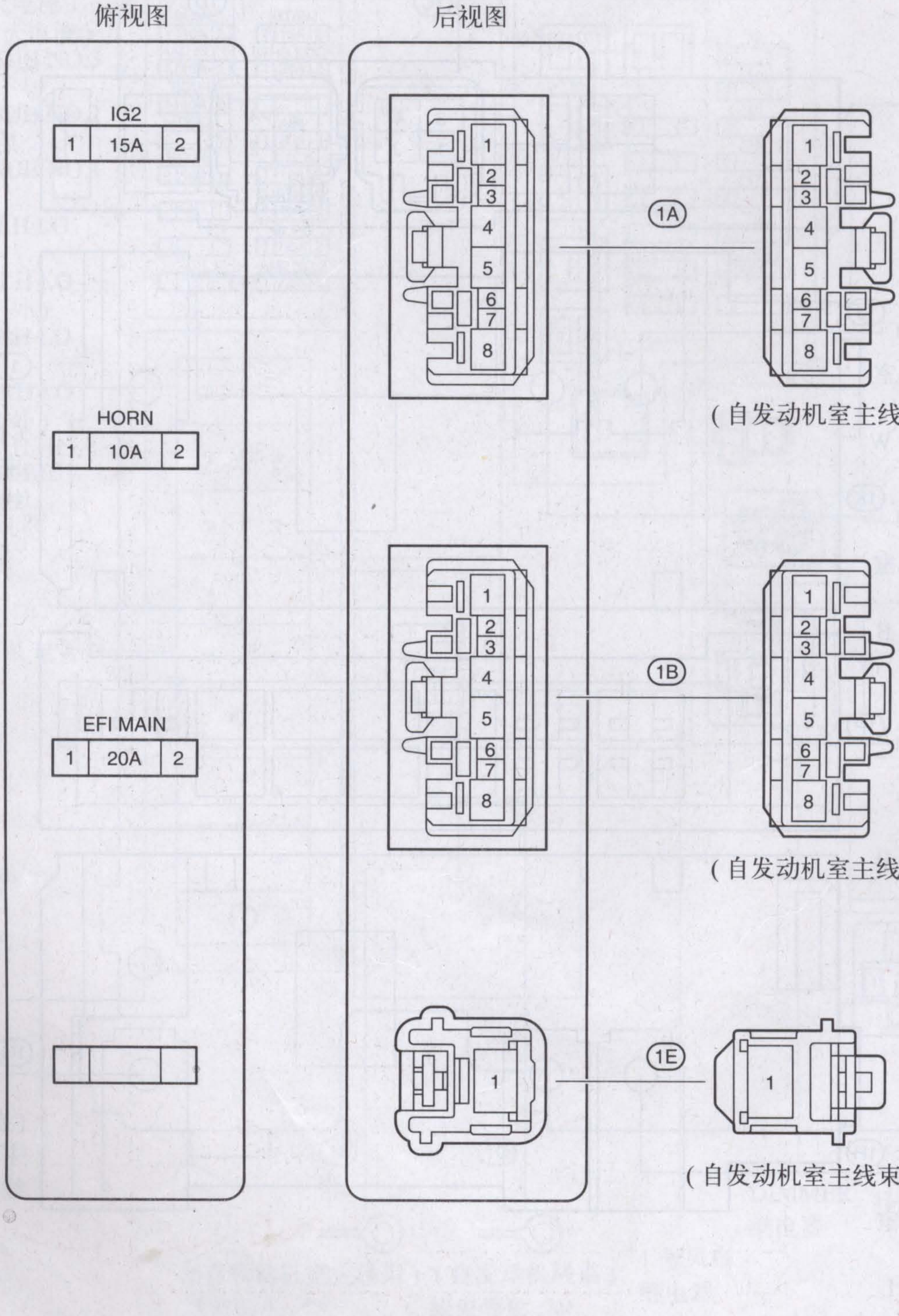
## 单元 A


1
2
3
4
（自发动机室主线束）
1C
1
2
3
4
（自发动机室主线束）
1D
3
4
1
2
3
4
1
2
后视图
1J
1
（自发动机室
主线束）
线束颜色：W
1I
1
（自发动机室
主线束）
线束颜色：L
1K
1
（自发动机室
主线束）
线束颜色：B
侧视图
1P
1
（自发动机
线束）
线束颜色：B
俯视图
侧视图
至保险丝
固定架
1G
1
（自发动机室
主线束）
线束颜色：W
1H
1
（自发动机室
主线束）
线束颜色：L

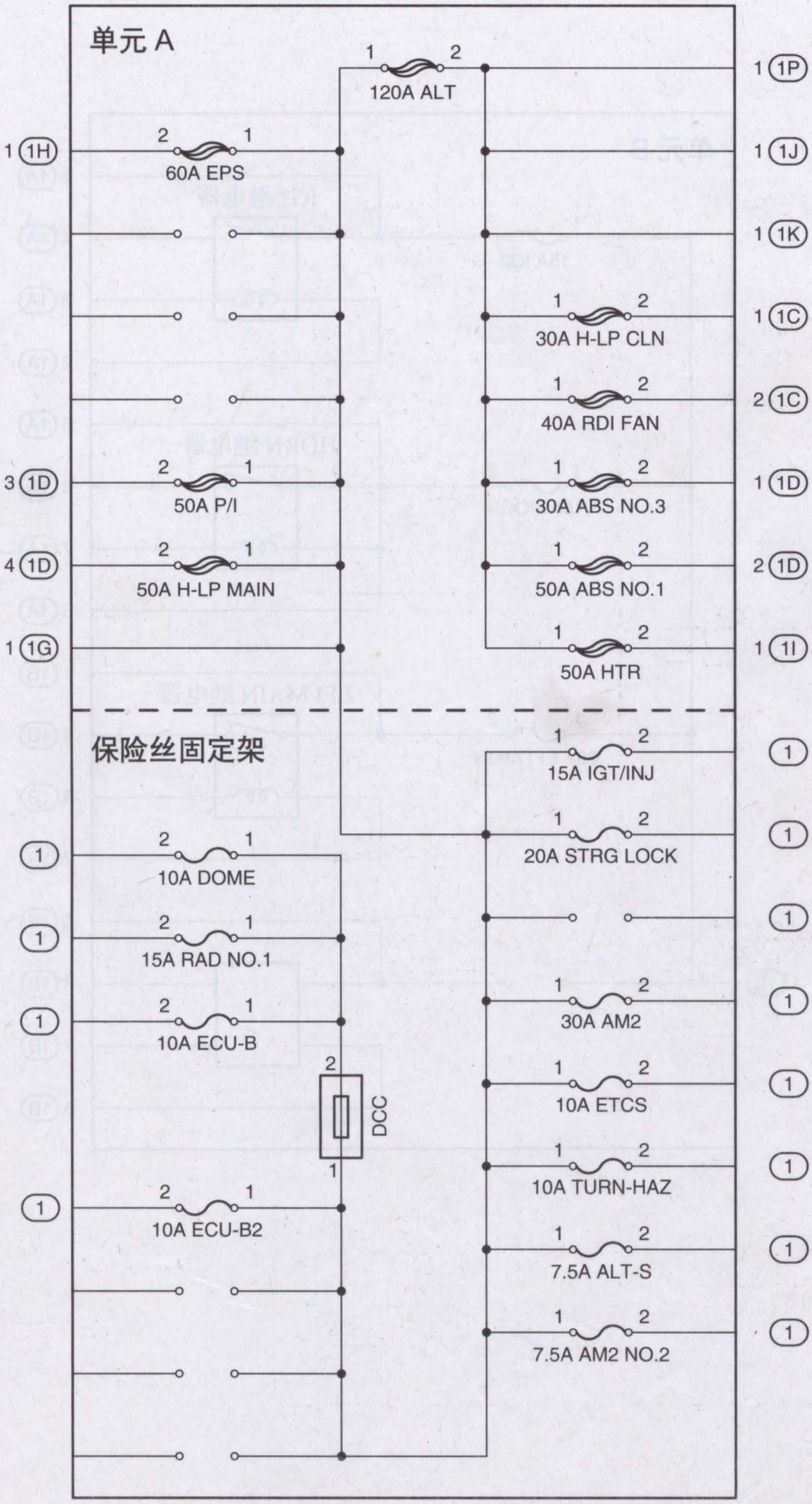
# F 继电器位置分布图

| ① ：发动机室继电器盒 | 发动机室左侧（参见 20 页） |
|---|---|
| ⬭ ：发动机室接线盒 | |

## 单元 B

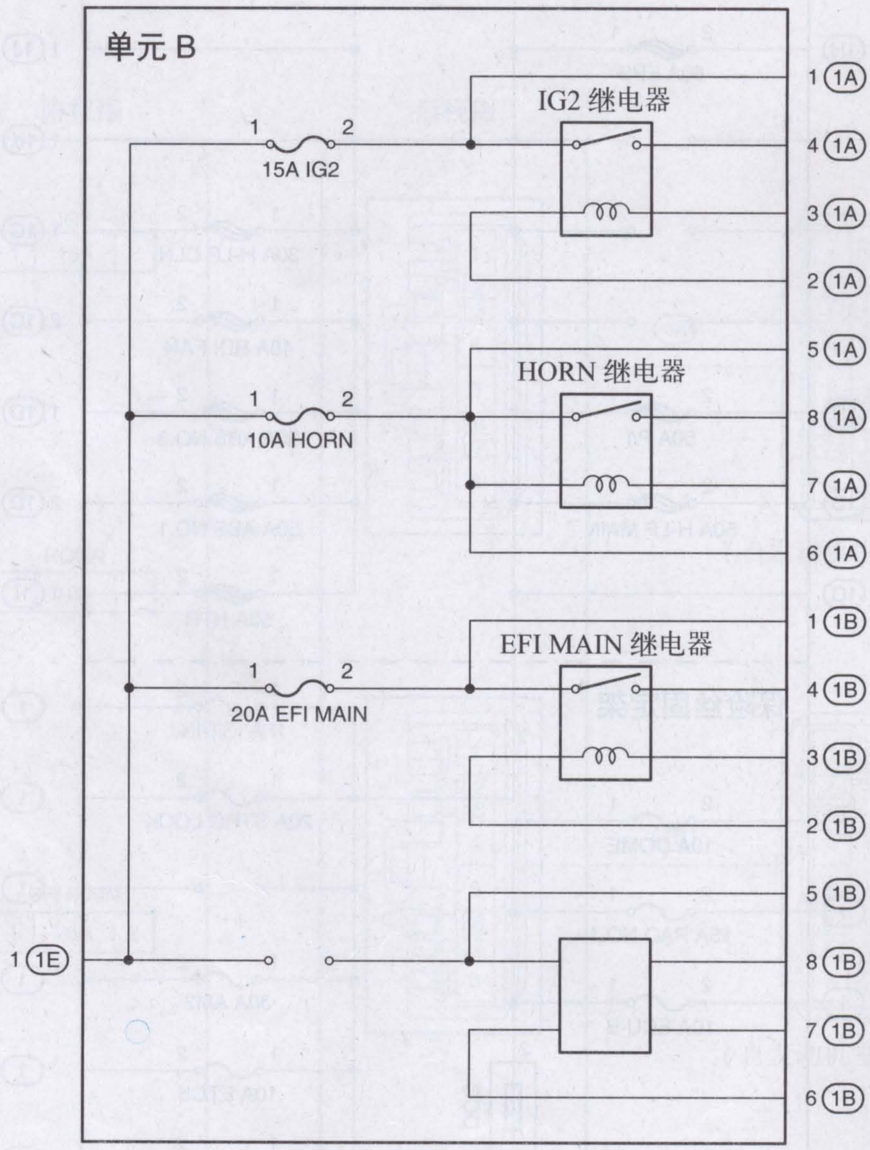


发动机室继电器盒和发动机室接线盒内部电路]



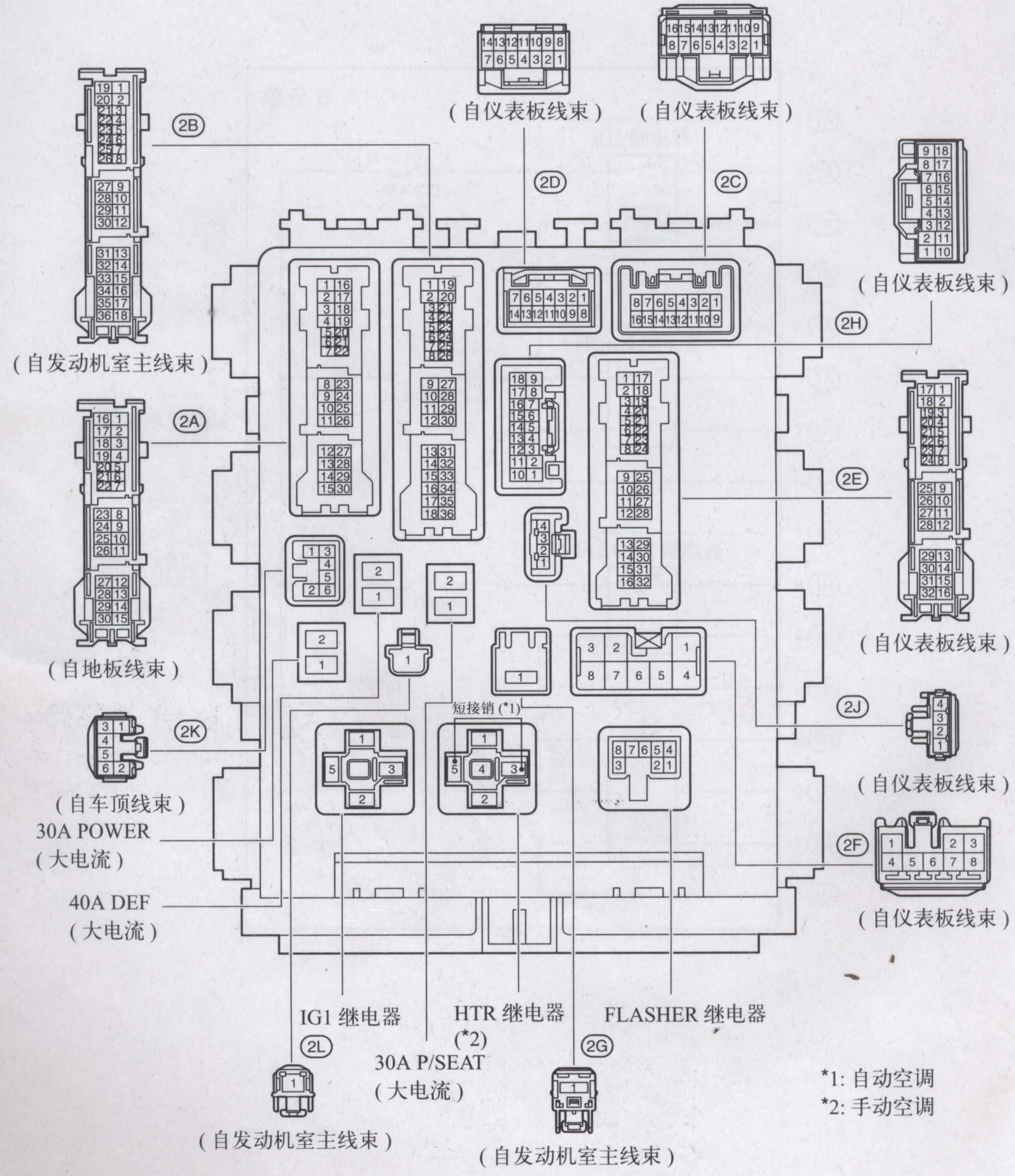
## F 继电器位置分布图

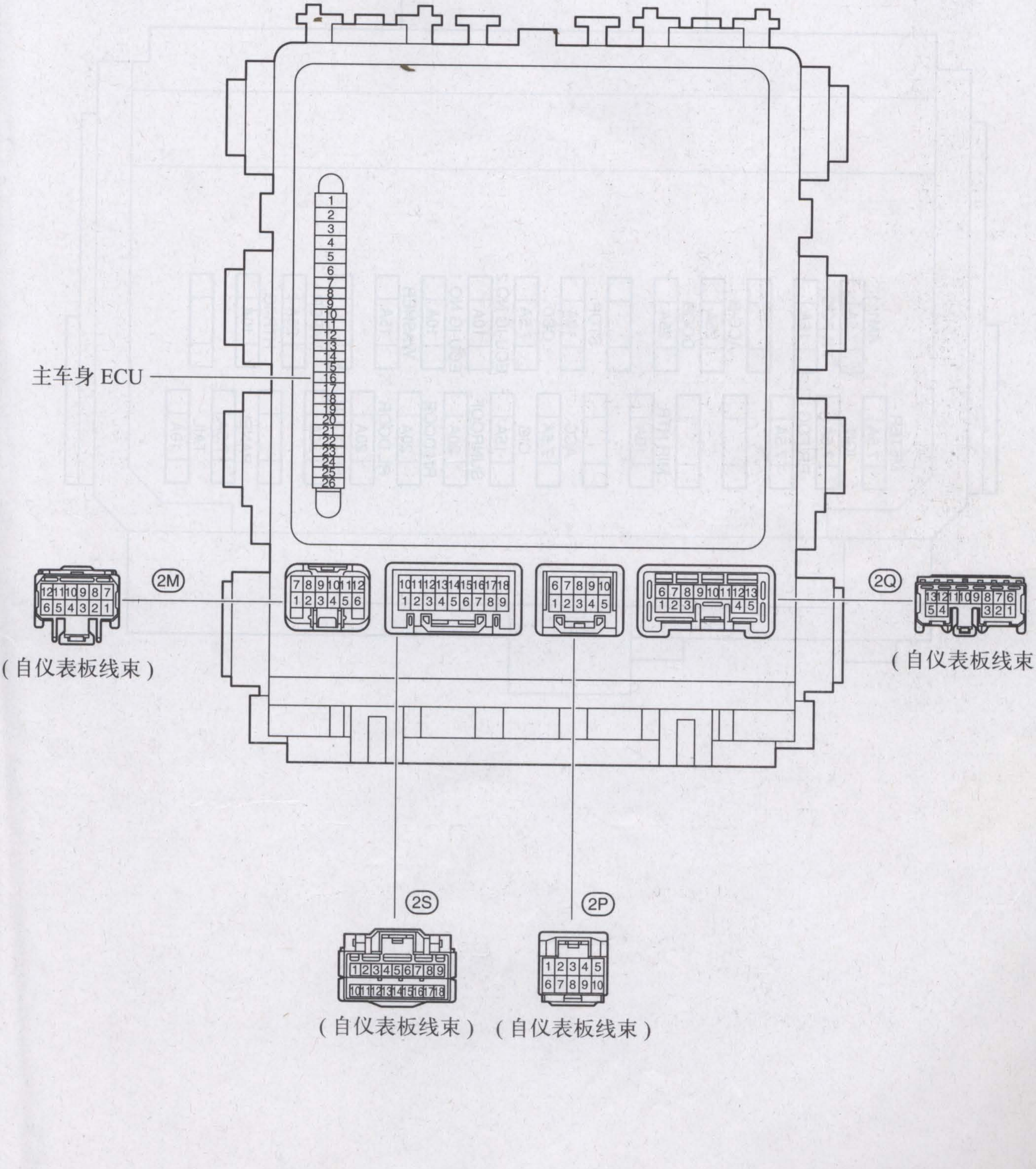
### [ 发动机室继电器盒和发动机室接线盒内部电路 ]



## F 继电器位置分布图

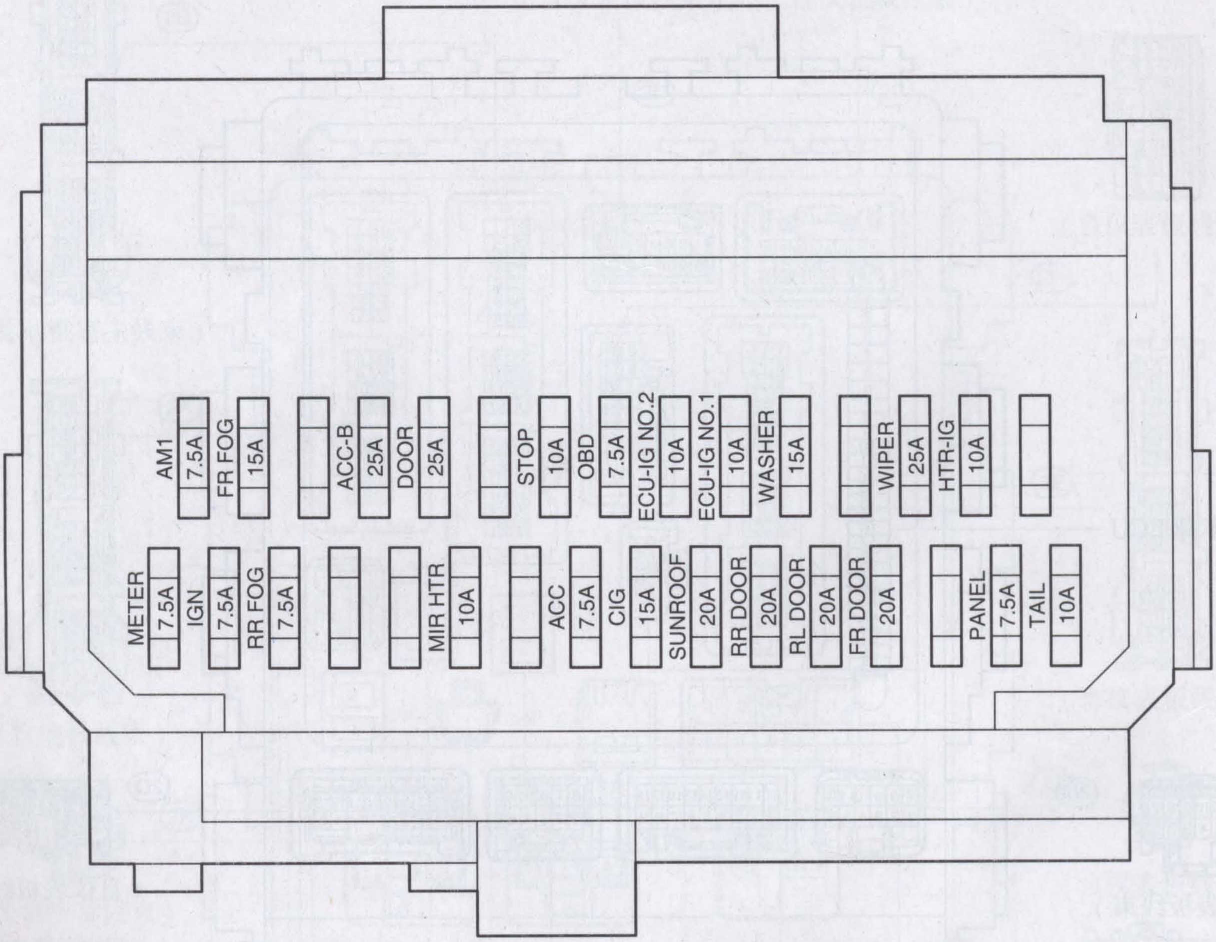
| ⬭ : 仪表板接线盒 | 前围左侧 ( 参见 21 页 ) |
|---|---|




主车身 ECU
2M
(自仪表板线束)
2Q
(自仪表板线束)
2S
(自仪表板线束)
2P
(自仪表板线束)

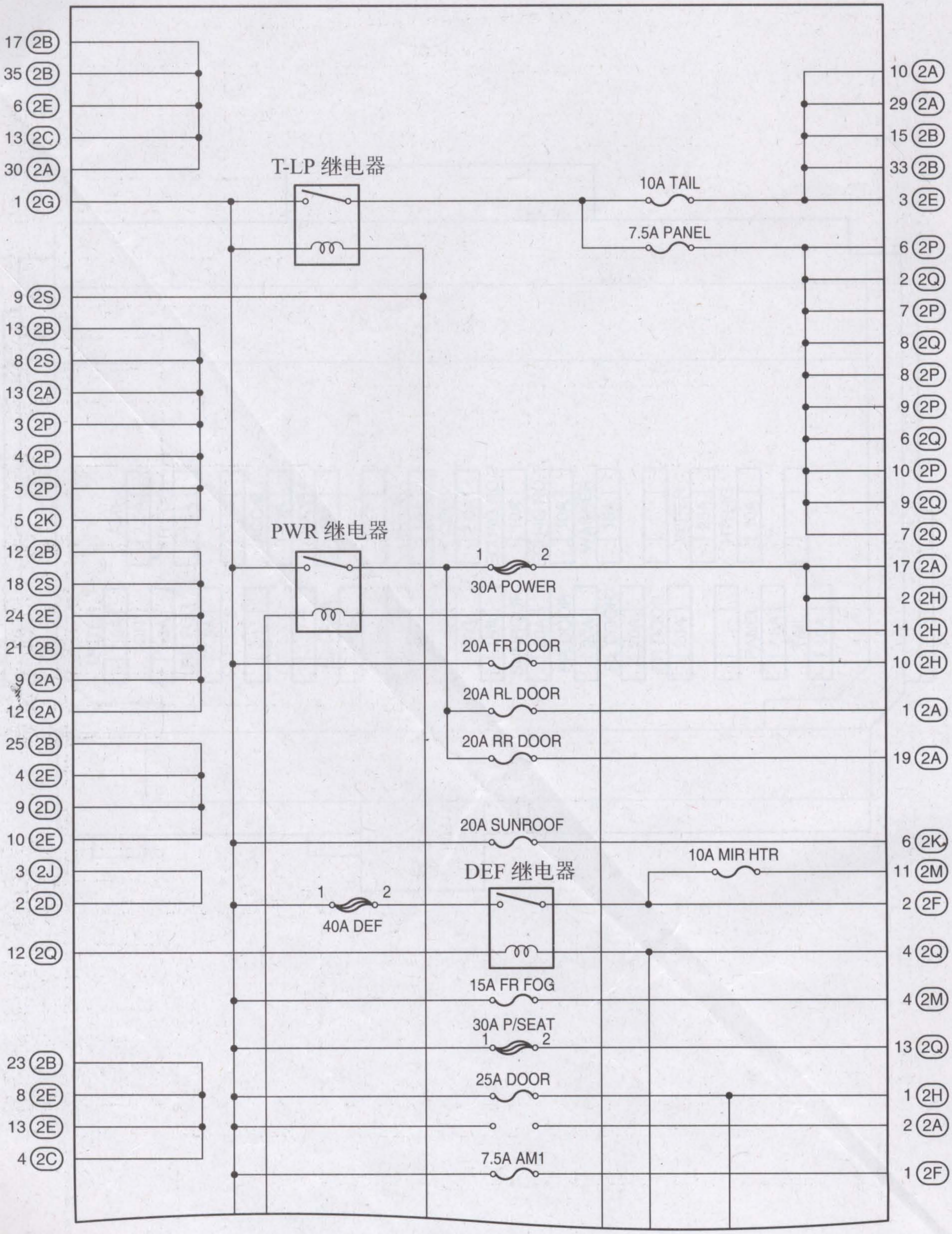
## F 继电器位置分布图

| ⬭ : 仪表板接线盒 | 前围左侧（参见 21 页） |
|---|---|



# F 继电器位置分布图

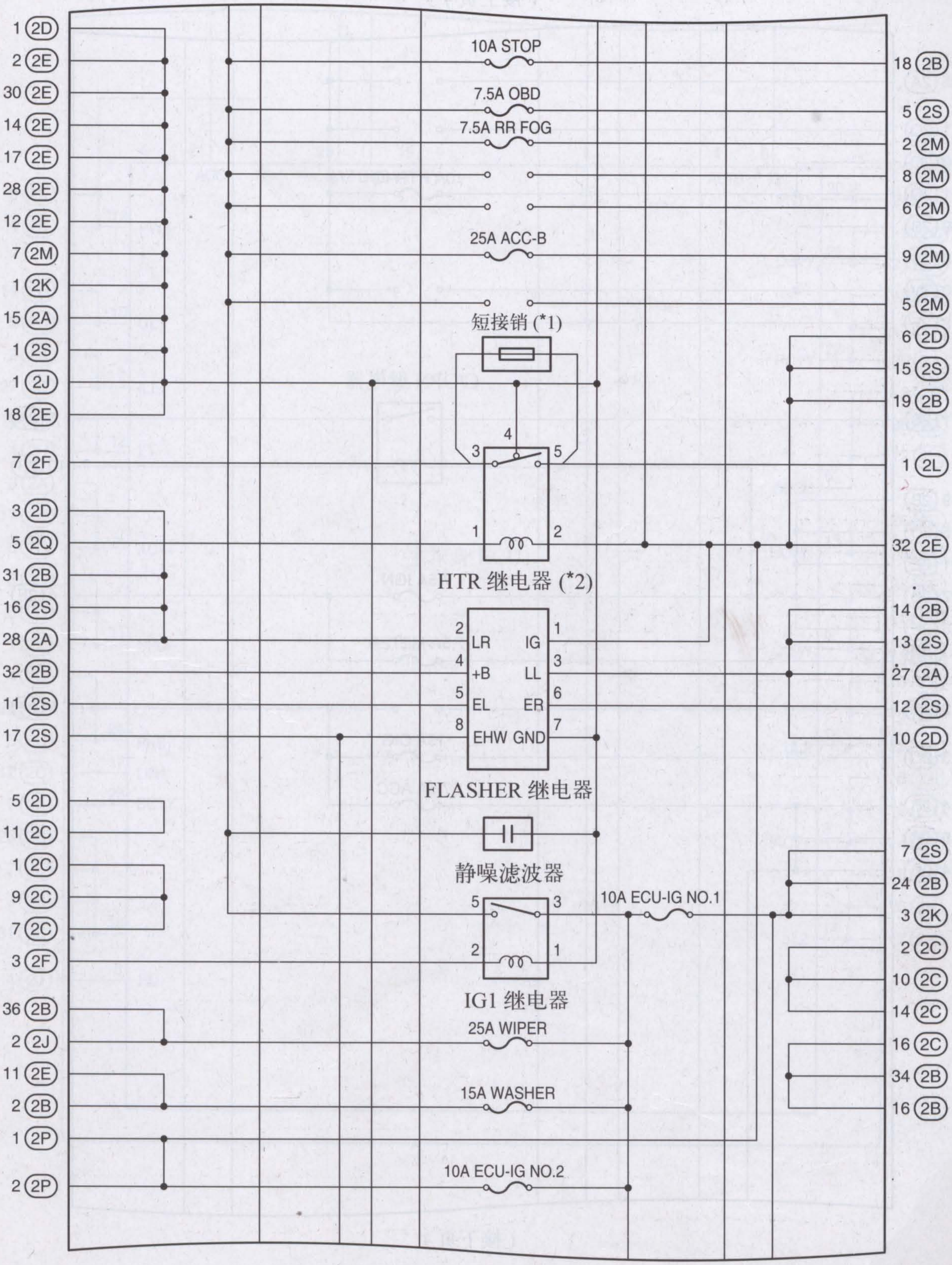
## [ 仪表板接线盒内部电路 ]




( 接下页 )

*1: 自动空调
*2: 手动空调

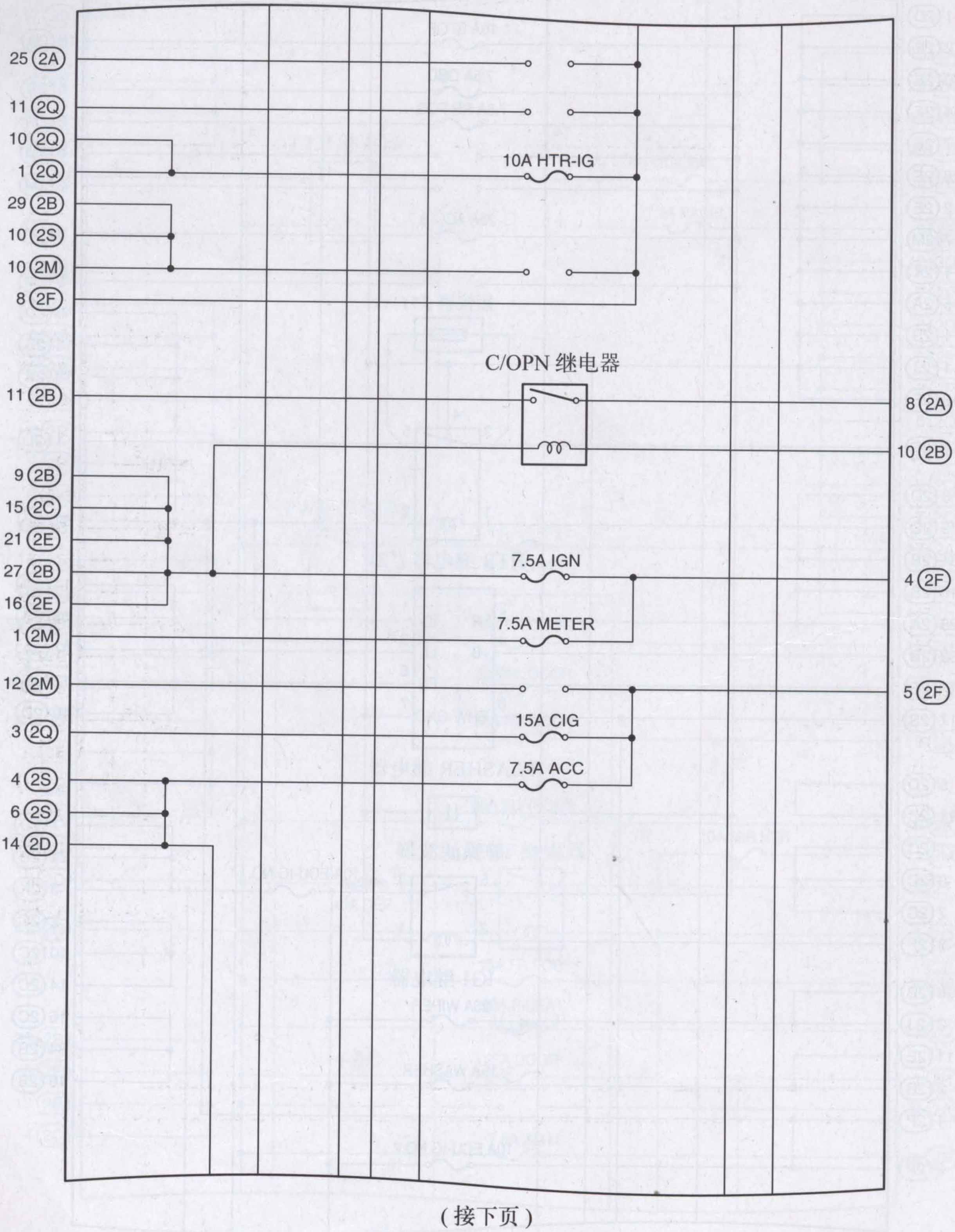
( 接上页 )




( 接下页 )

## [仪表板接线盒内部电路]

（接上页）

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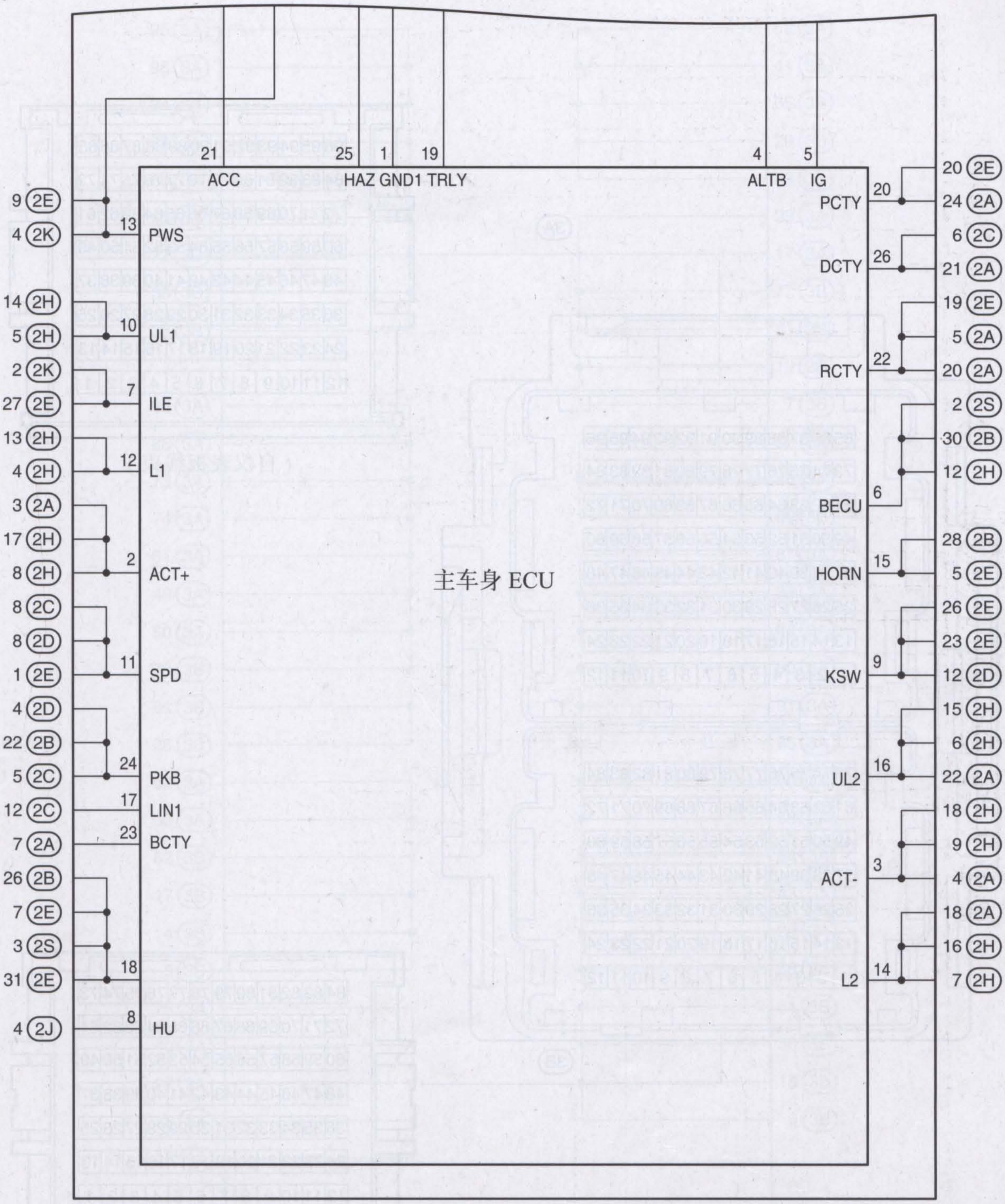
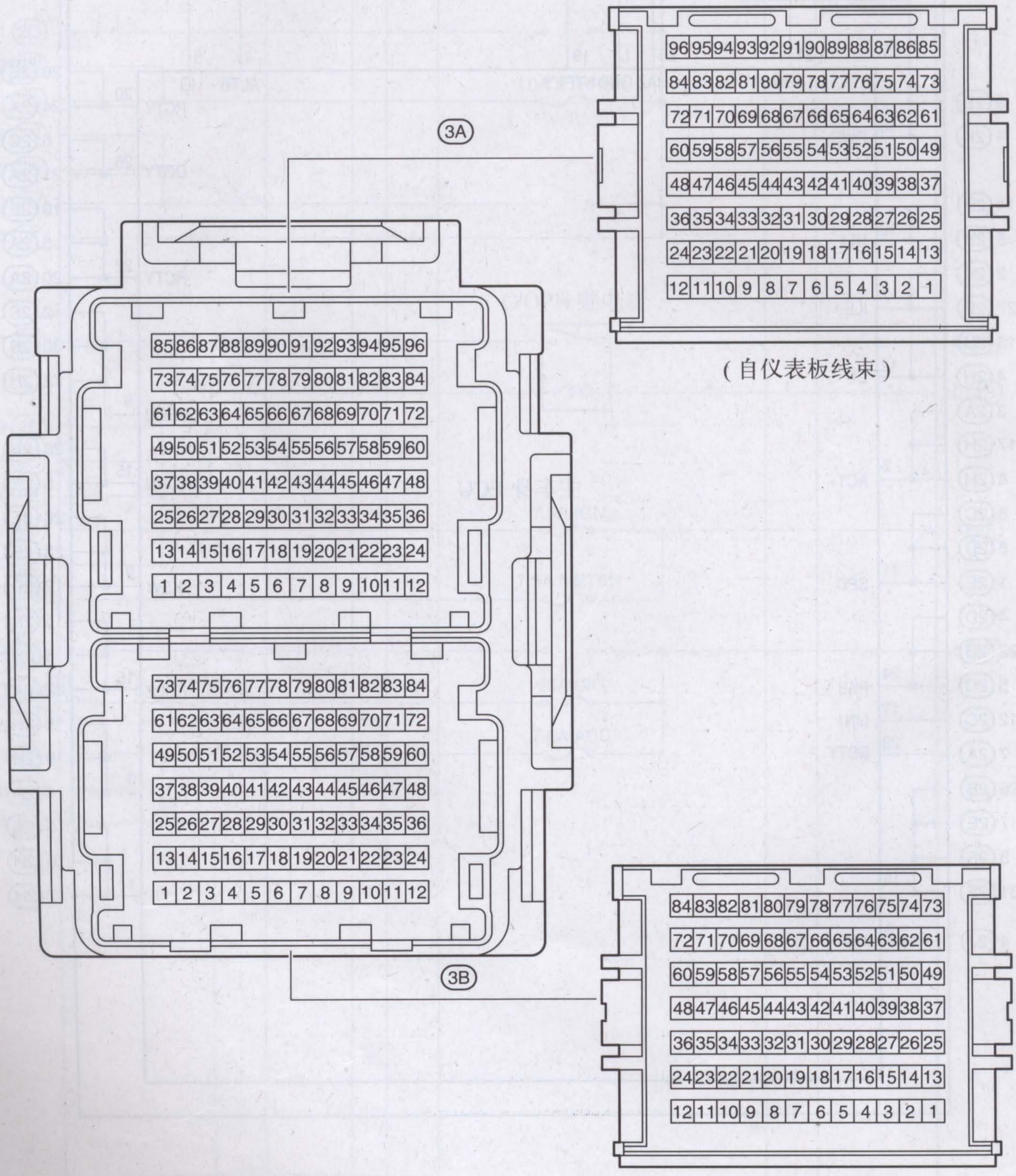
（接上页）

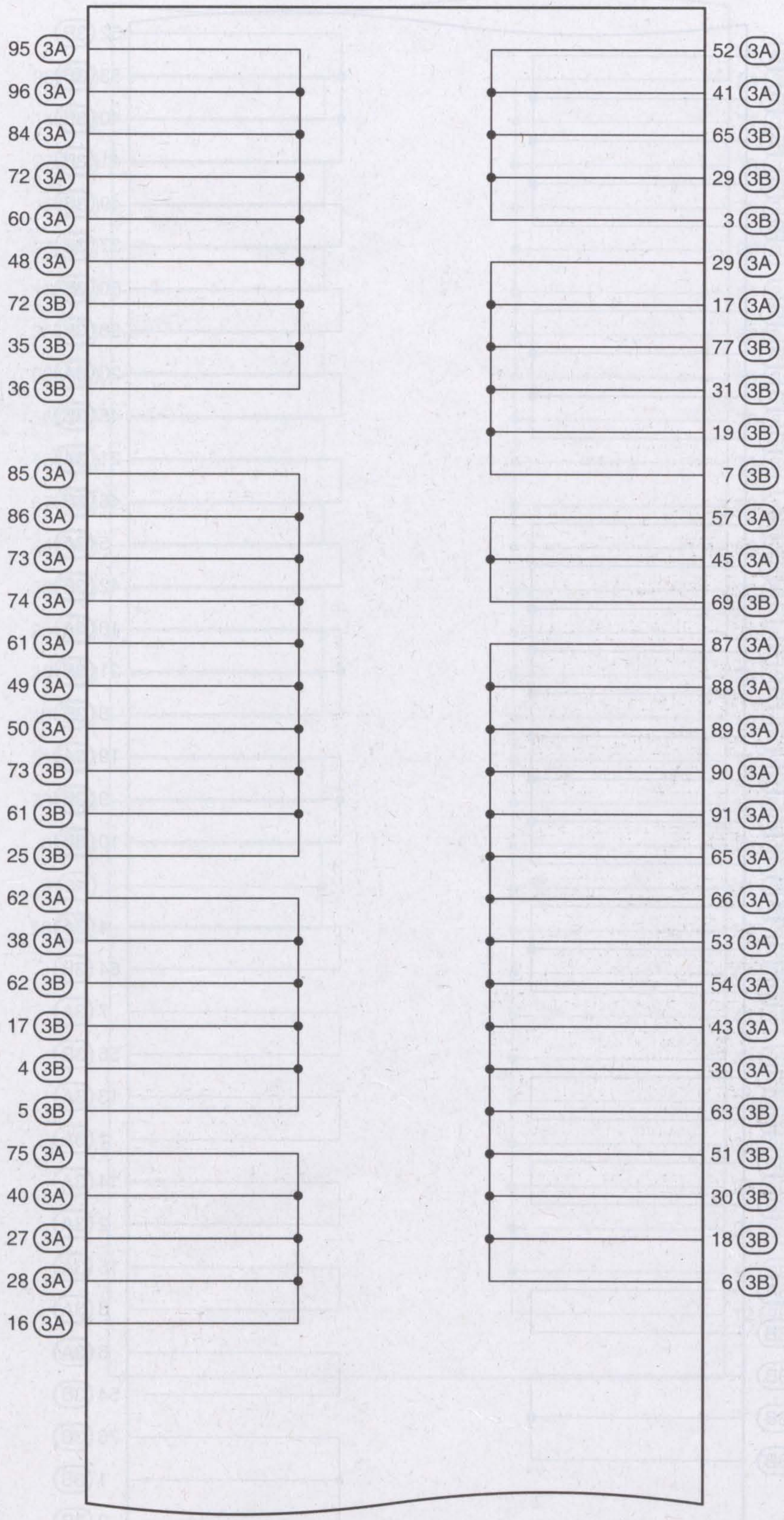


主车身 ECU
21 ACC
25 HAZ
1 GND1
19 TRLY
4 ALTB
5 IG
9 2E
4 2K
13 PWS
14 2H
5 2H
10 UL1
2 2K
27 2E
7 ILE
13 2H
4 2H
12 L1
3 2A
17 2H
8 2H
2 ACT+
8 2C
8 2D
1 2E
11 SPD
4 2D
22 2B
5 2C
24 PKB
12 2C
17 LIN1
7 2A
23 BCTY
26 2B
7 2E
3 2S
31 2E
18
4 2J
8 HU
20 PCTY
20 2E
24 2A
26 DCTY
6 2C
21 2A
22 RCTY
19 2E
5 2A
20 2A
6 BECU
2 2S
30 2B
12 2H
15 HORN
28 2B
5 2E
9 KSW
26 2E
23 2E
12 2D
16 UL2
15 2H
6 2H
22 2A
3 ACT-
18 2H
9 2H
4 2A
14 L2
18 2A
16 2H
7 2H

| | |
|---|---|
| **: 3 号接线盒** | **前围右侧 (参见 21 页)** |



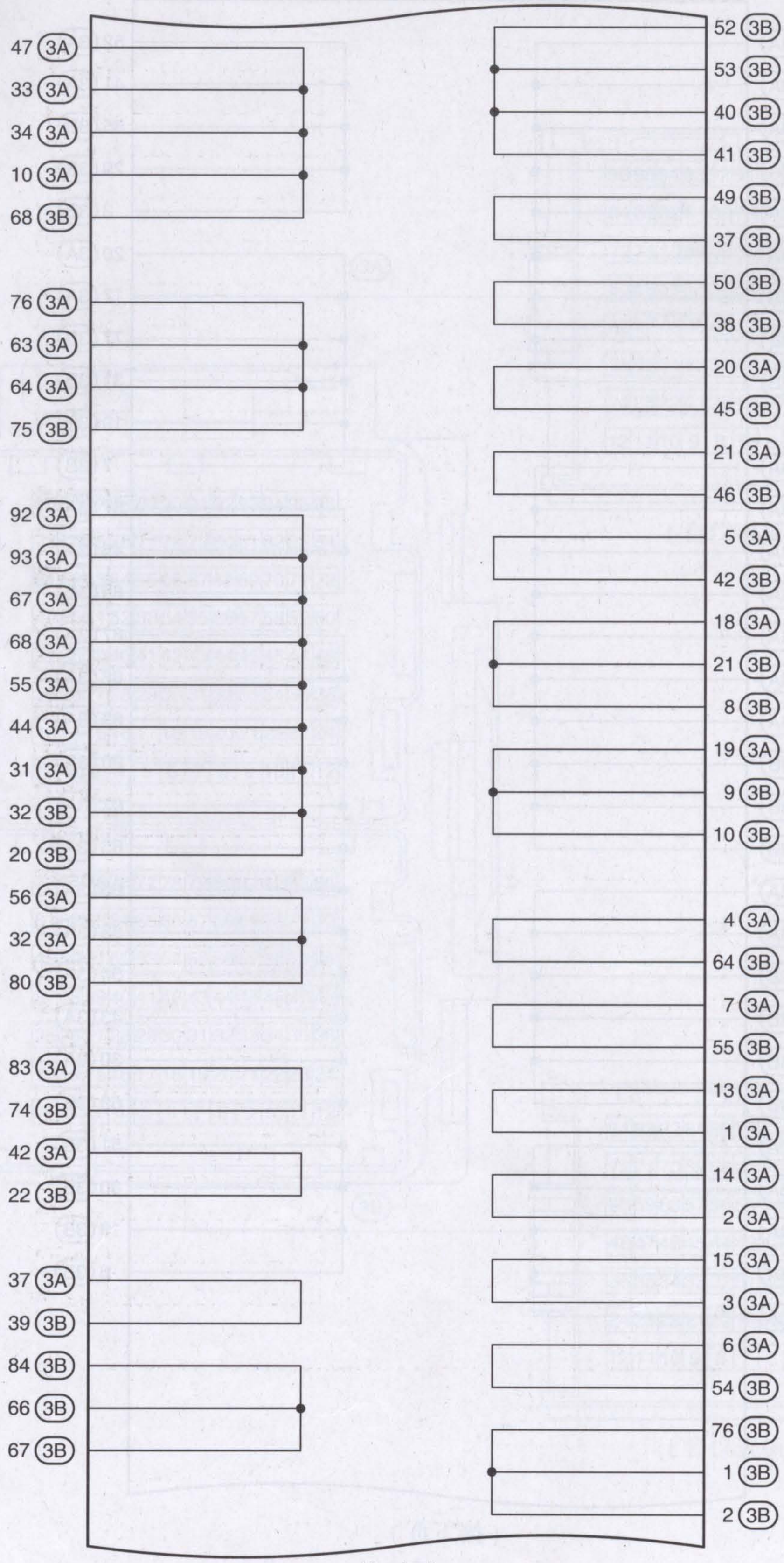
## 3 号接线盒内部电路 ]




( 接下页 )

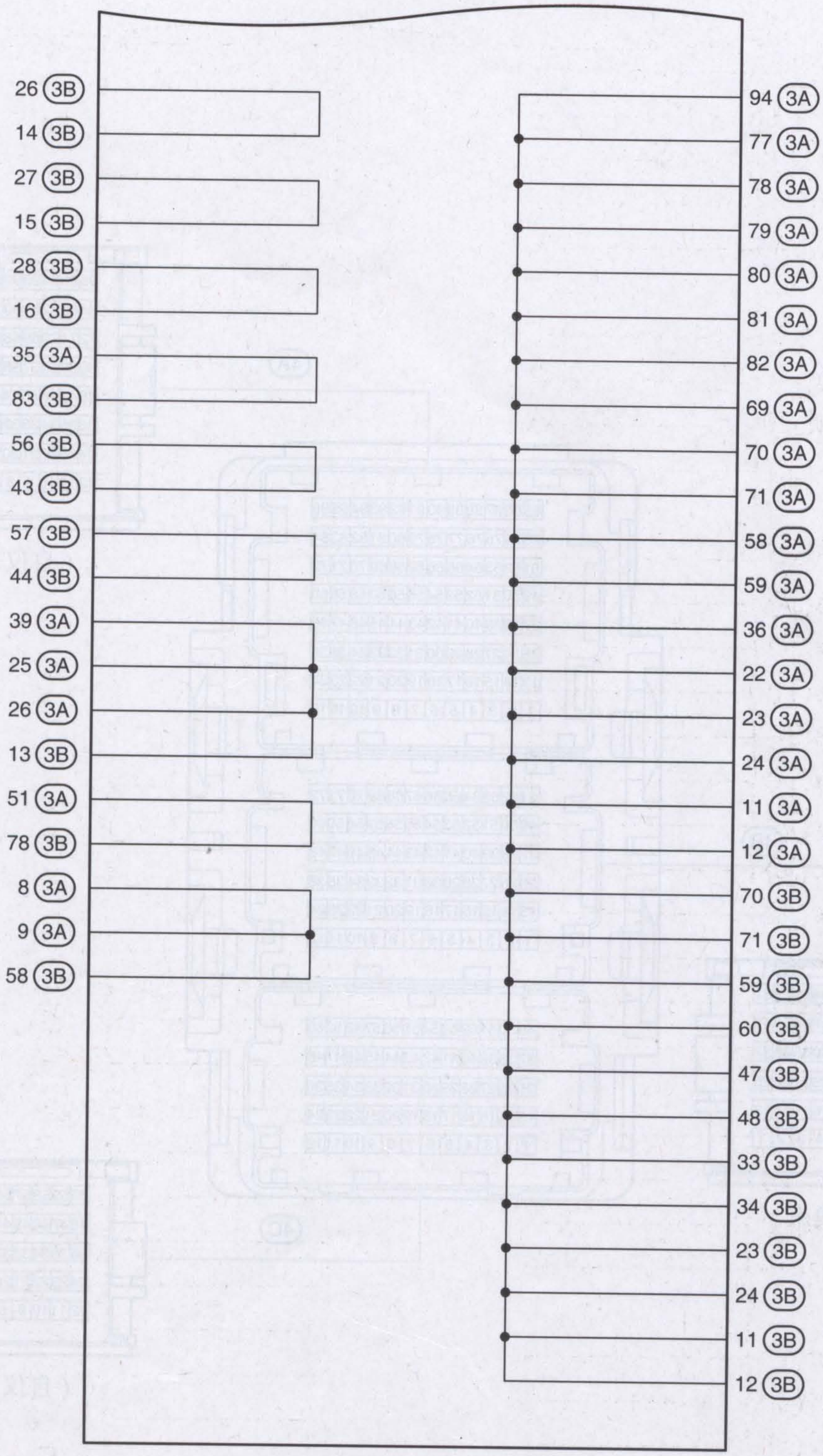
## [3 号接线盒内部电路]

(接上页)

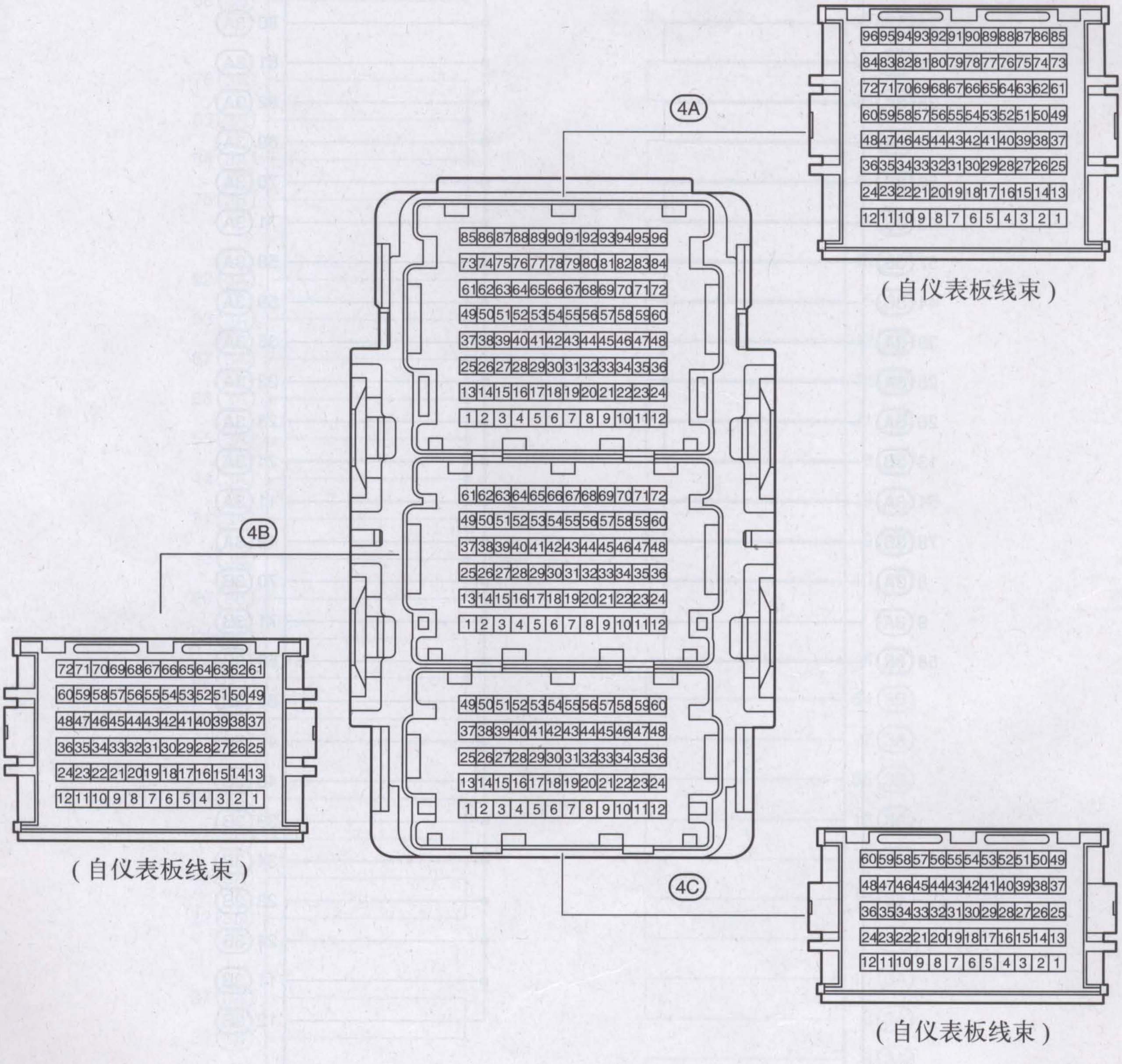



(接下页)

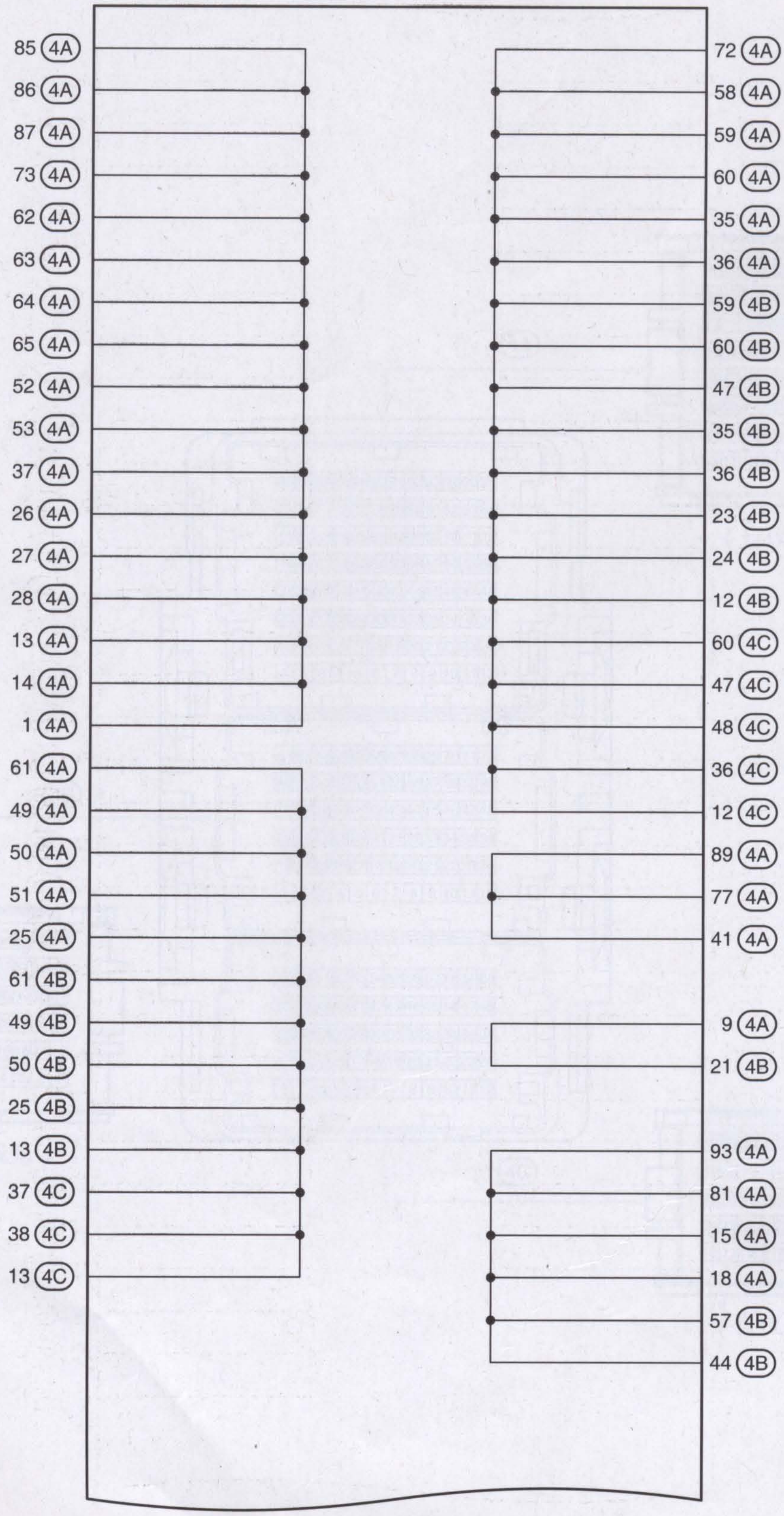
(接上页)


26 3B
14 3B
27 3B
15 3B
28 3B
16 3B
35 3A
83 3B
56 3B
43 3B
57 3B
44 3B
39 3A
25 3A
26 3A
13 3B
51 3A
78 3B
8 3A
9 3A
58 3B
94 3A
77 3A
78 3A
79 3A
80 3A
81 3A
82 3A
69 3A
70 3A
71 3A
58 3A
59 3A
36 3A
22 3A
23 3A
24 3A
11 3A
12 3A
70 3B
71 3B
59 3B
60 3B
47 3B
48 3B
33 3B
34 3B
23 3B
24 3B
11 3B
12 3B

| | |
|---|---|
| : 4 号接线盒 | 仪表板右侧支架（参见 21 页） |

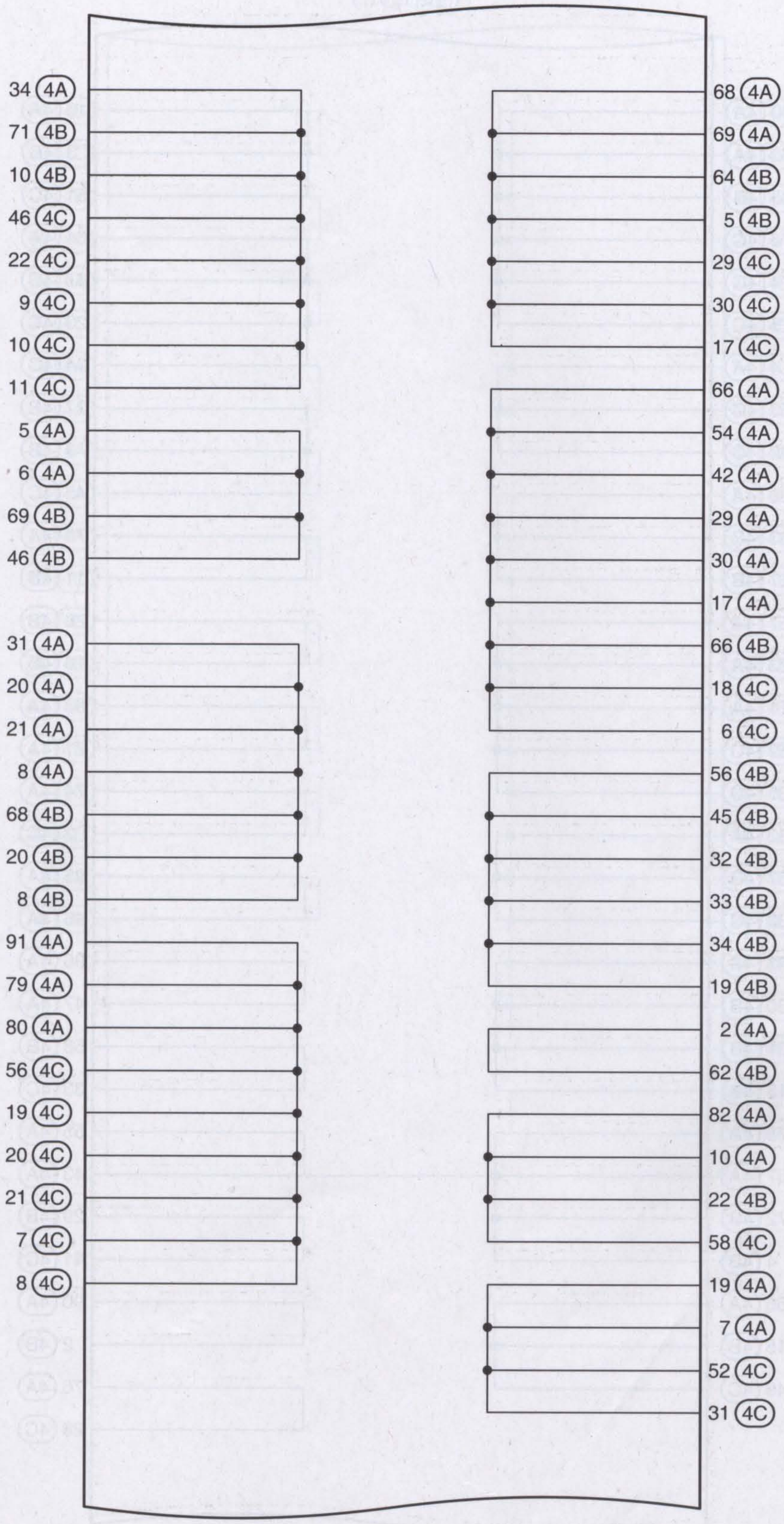


## [4 号接线盒内部电路]




(接下页)

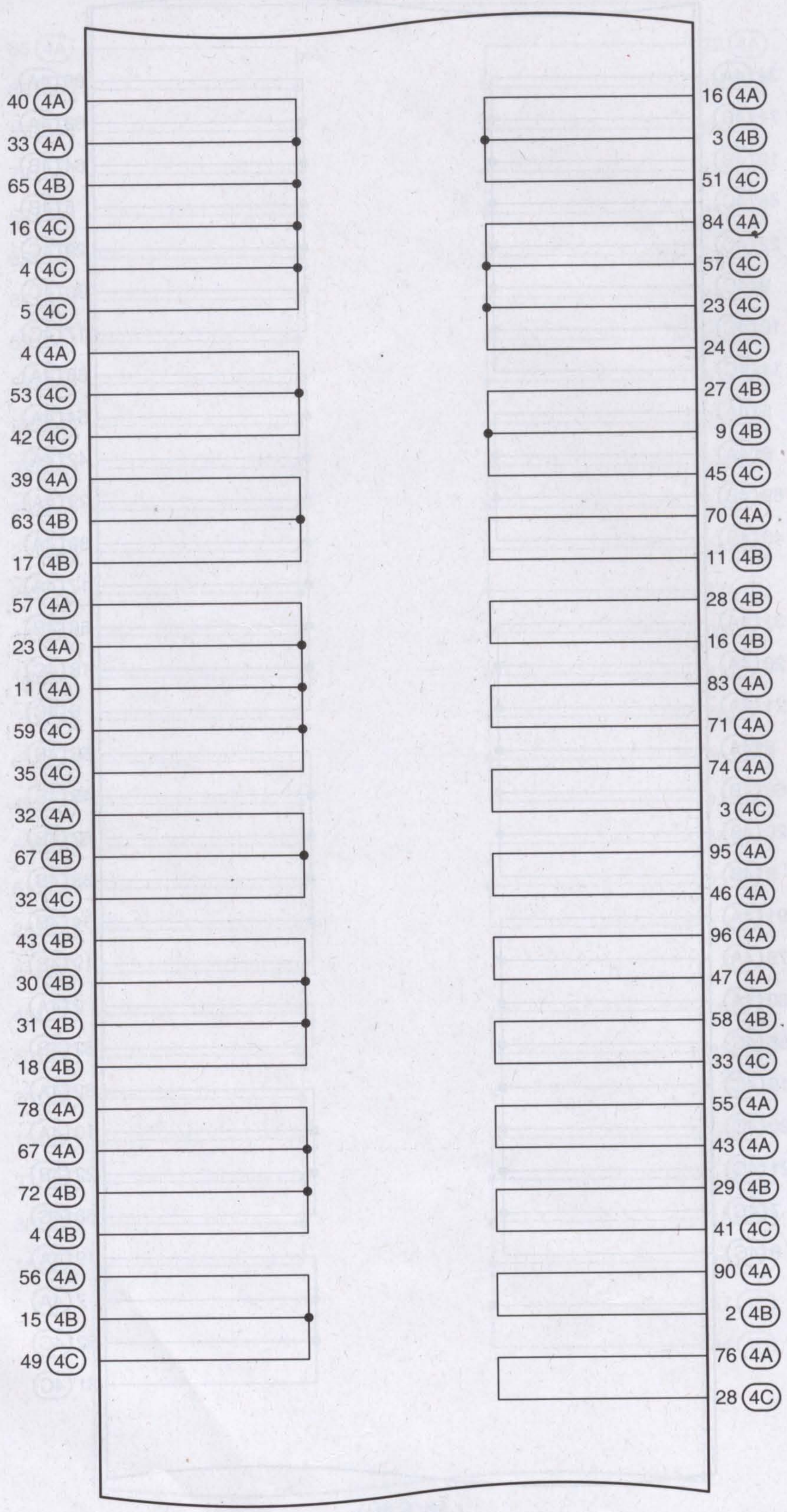
(接上页)


34 4A
71 4B
10 4B
46 4C
22 4C
9 4C
10 4C
11 4C
5 4A
6 4A
69 4B
46 4B
31 4A
20 4A
21 4A
8 4A
68 4B
20 4B
8 4B
91 4A
79 4A
80 4A
56 4C
19 4C
20 4C
21 4C
7 4C
8 4C
68 4A
69 4A
64 4B
5 4B
29 4C
30 4C
17 4C
66 4A
54 4A
42 4A
29 4A
30 4A
17 4A
66 4B
18 4C
6 4C
56 4B
45 4B
32 4B
33 4B
34 4B
19 4B
2 4A
62 4B
82 4A
10 4A
22 4B
58 4C
19 4A
7 4A
52 4C
31 4C

(接下页)

## [ 4 号接线盒内部电路 ]

( 接上页 )




( 接下页 )

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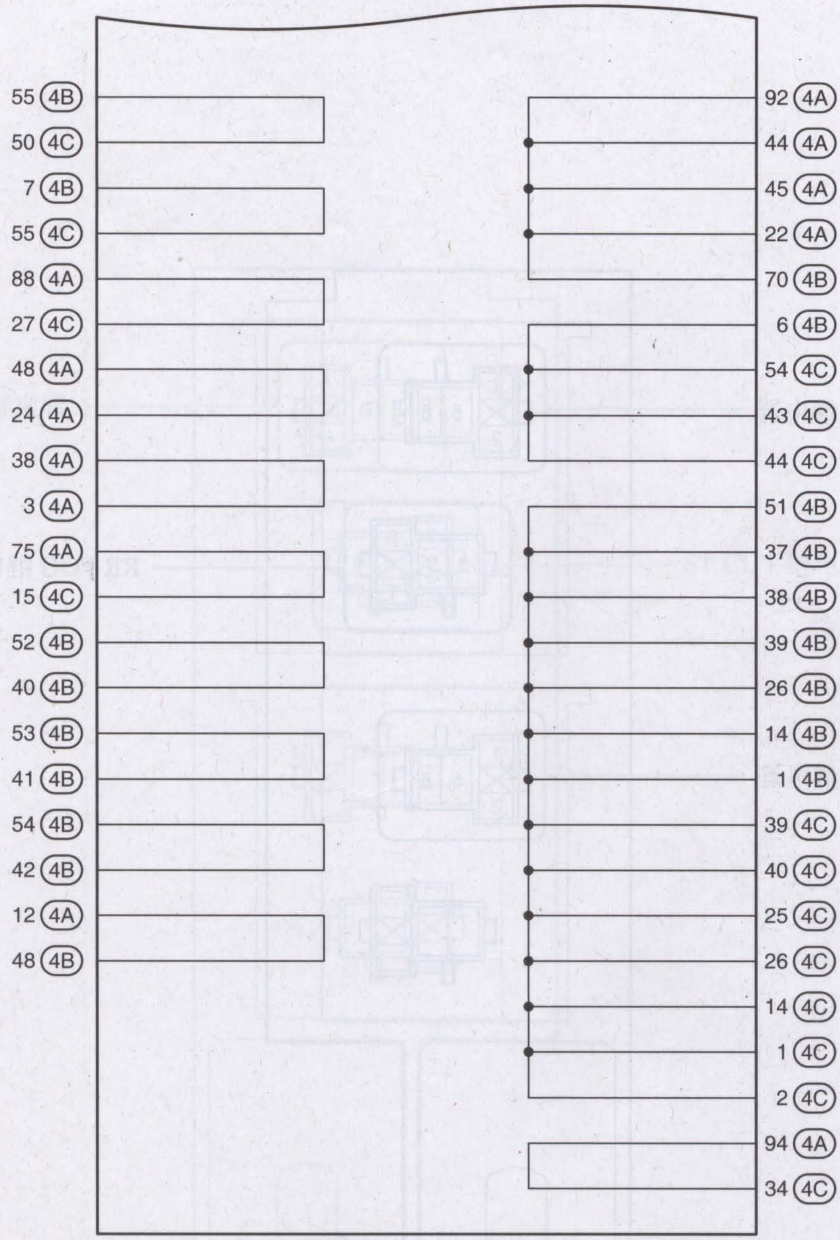
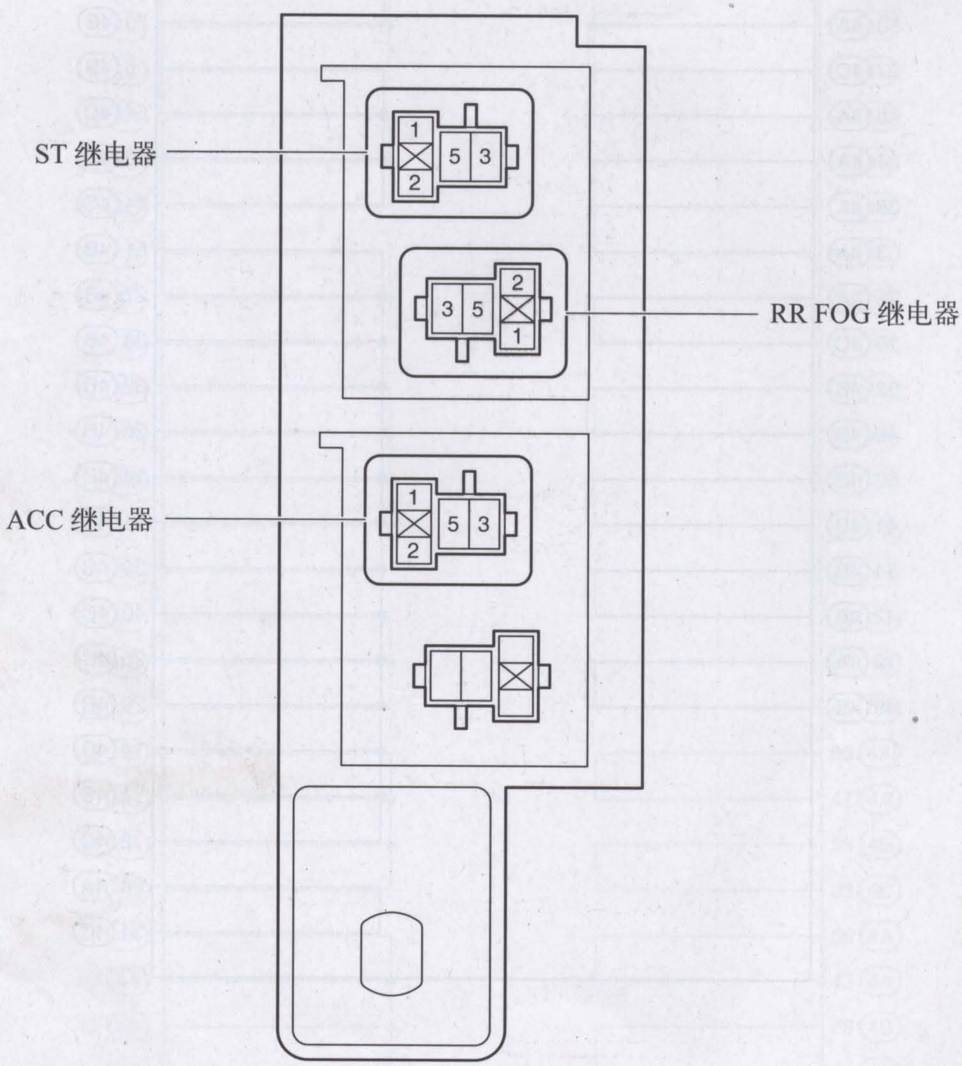
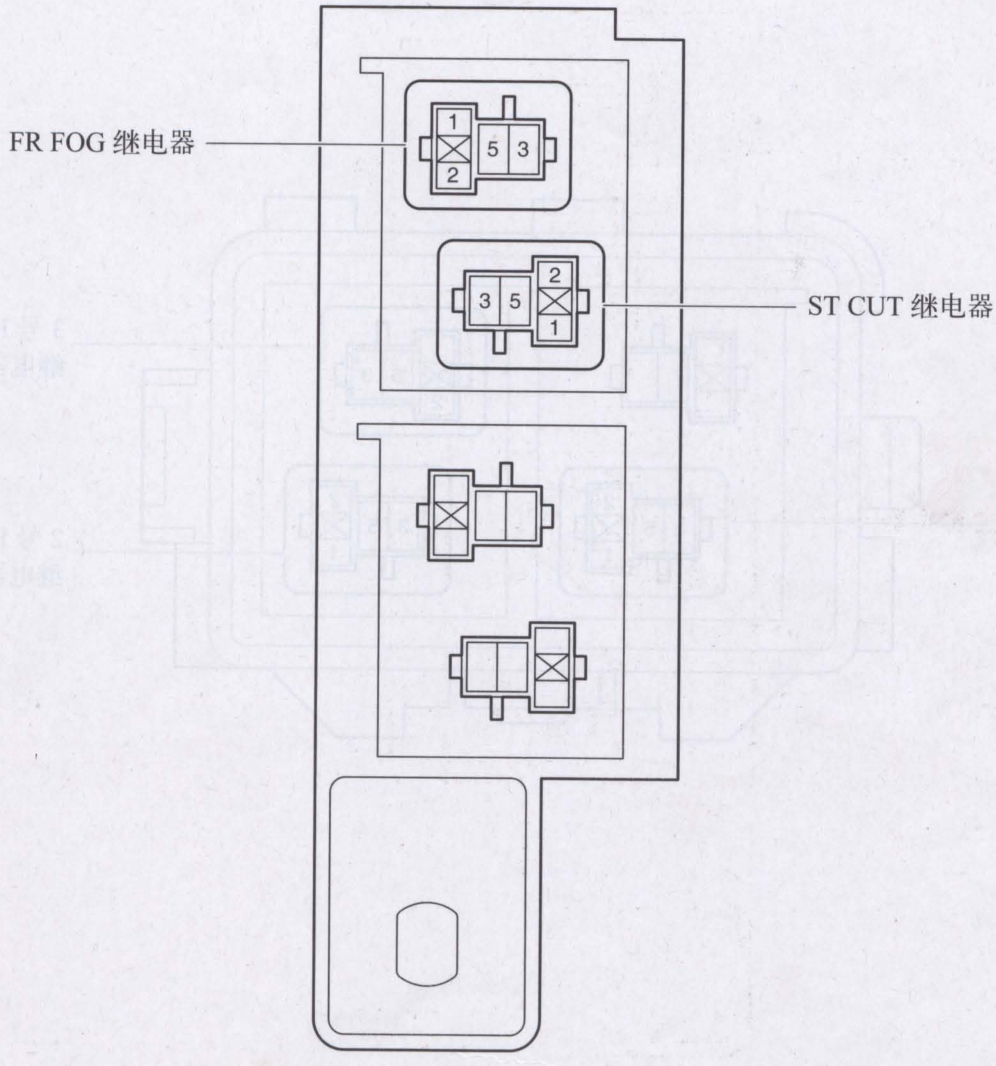

55 4B
50 4C
7 4B
55 4C
88 4A
27 4C
48 4A
24 4A
38 4A
3 4A
75 4A
15 4C
52 4B
40 4B
53 4B
41 4B
54 4B
42 4B
12 4A
48 4B
92 4A
44 4A
45 4A
22 4A
70 4B
6 4B
54 4C
43 4C
44 4C
51 4B
37 4B
38 4B
39 4B
26 4B
14 4B
1 4B
39 4C
40 4C
25 4C
26 4C
14 4C
1 4C
2 4C
94 4A
34 4C

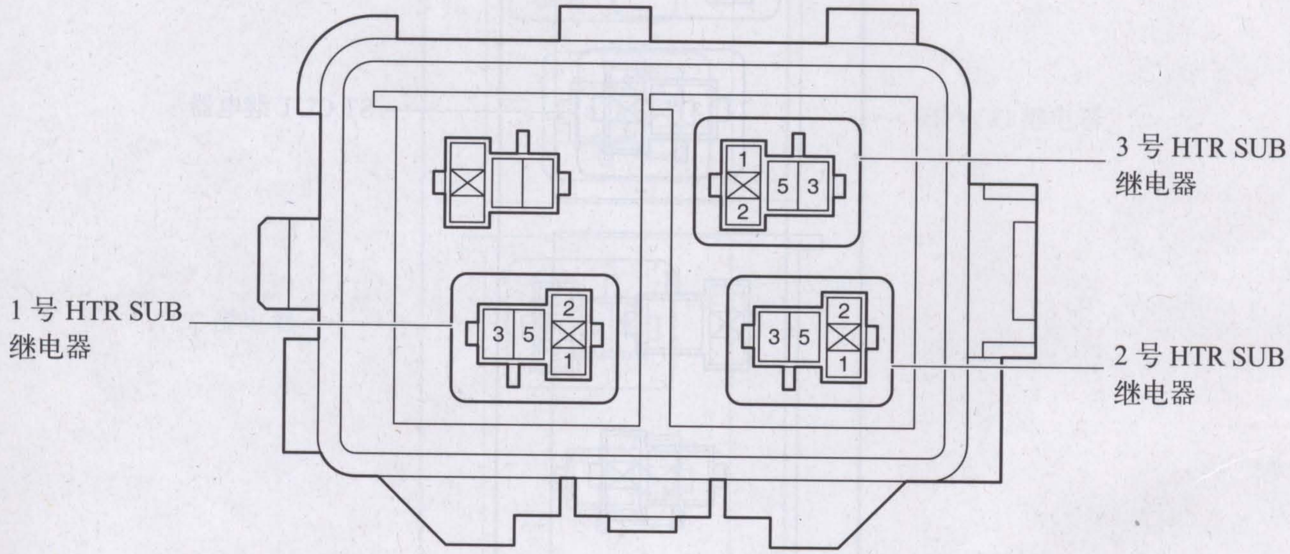
| ⑤：5号继电器盒 | 中央仪表板（参见21页） |
|---|---|



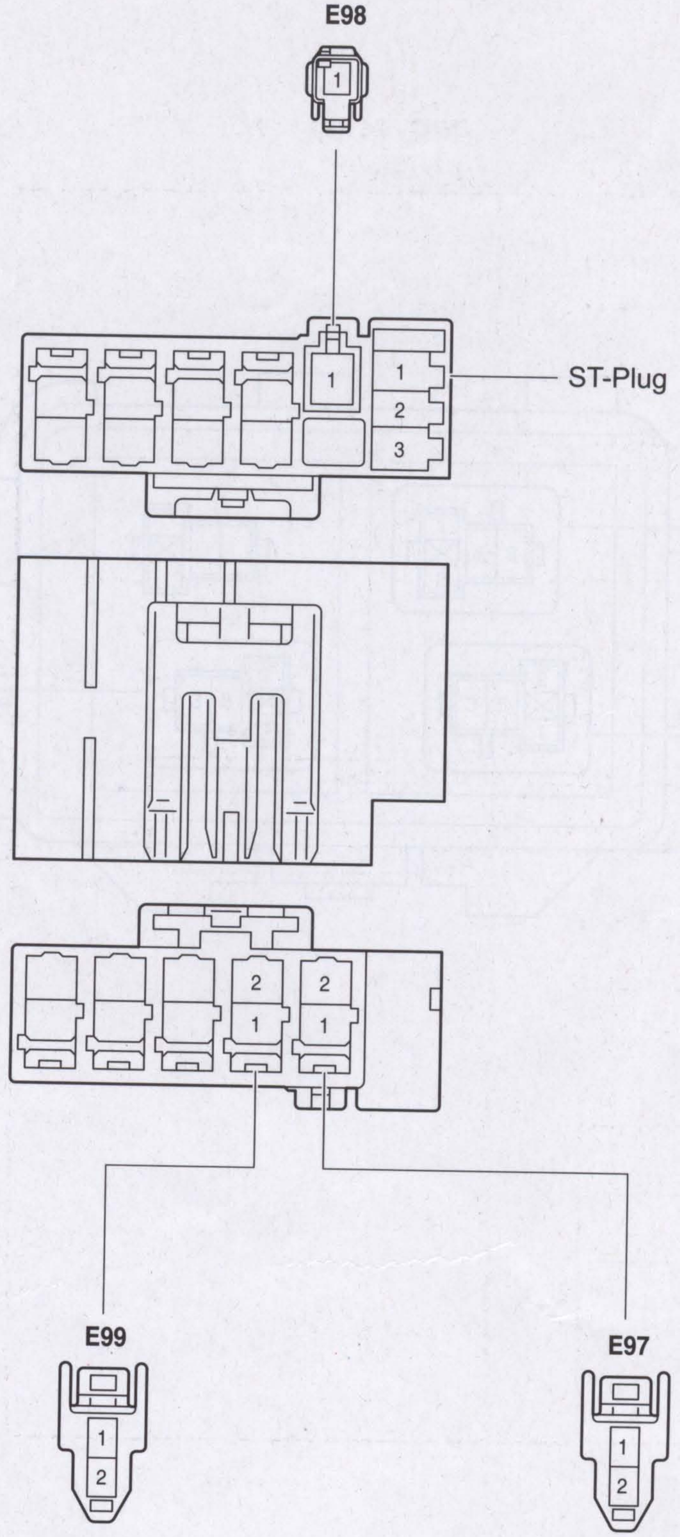
| ⑥：6 号继电器盒 | 中央仪表板（参见 21 页） |
|---|---|



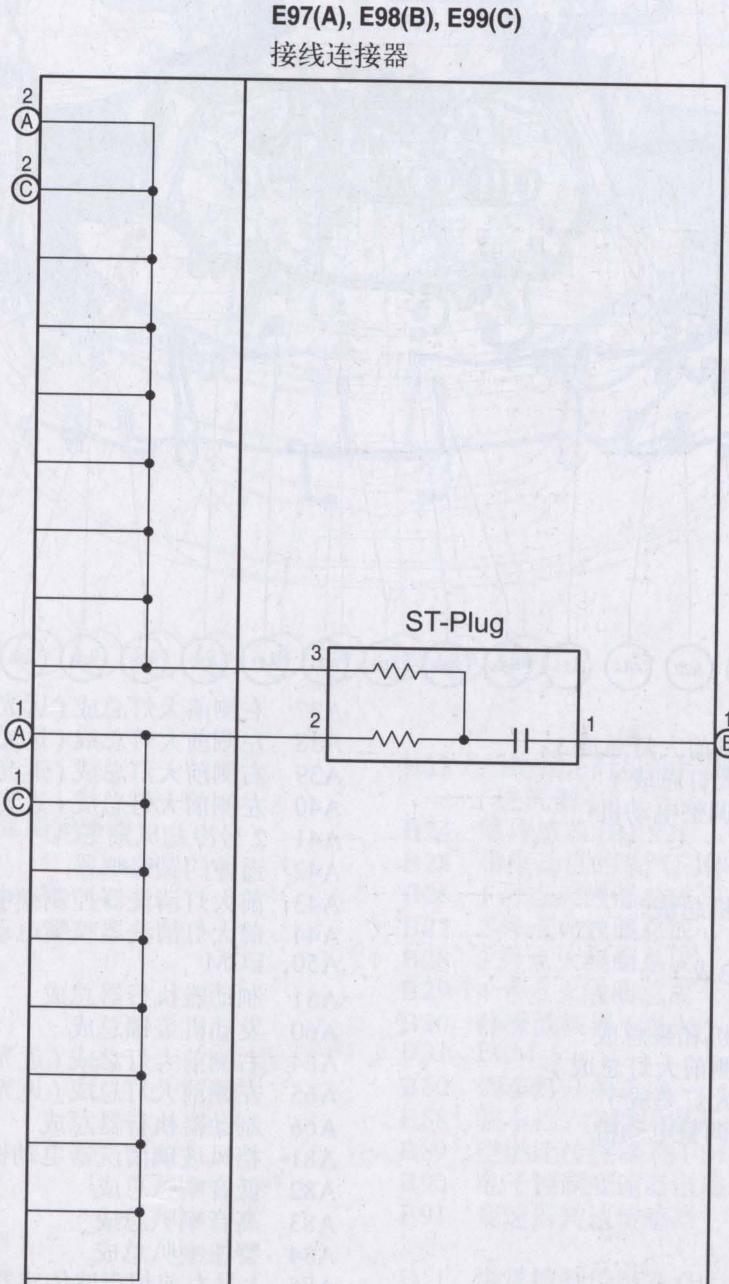
| | |
|---|---|
| ⑦ : 7 号继电器盒 | 发动机室右侧（参见 20 页） |



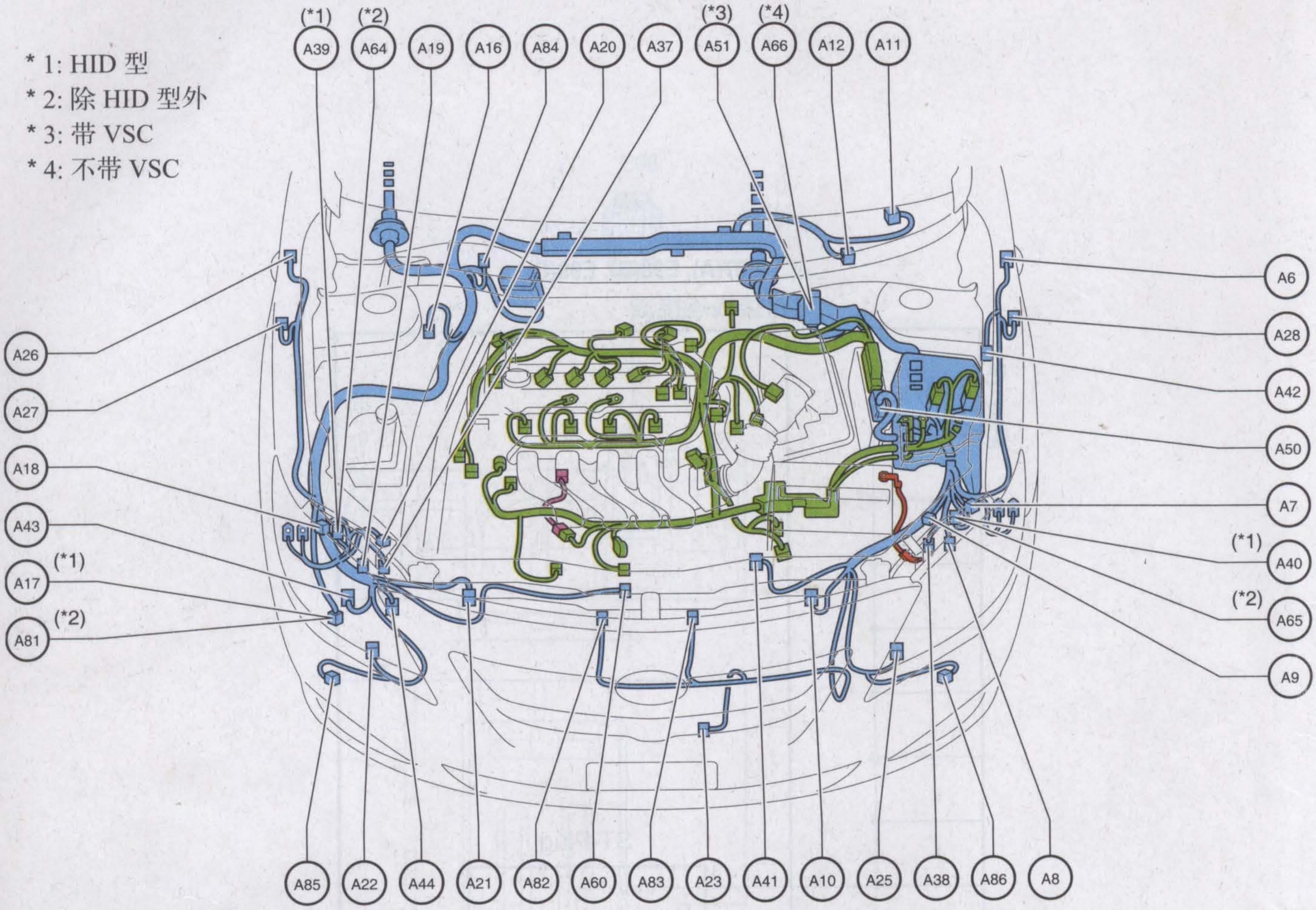
| 接线连接器 (CAN) | 仪表板左侧支架 ( 参见 21 页 ) |
|---|---|



## [ 接线连接器 (CAN) 内部电路 ]

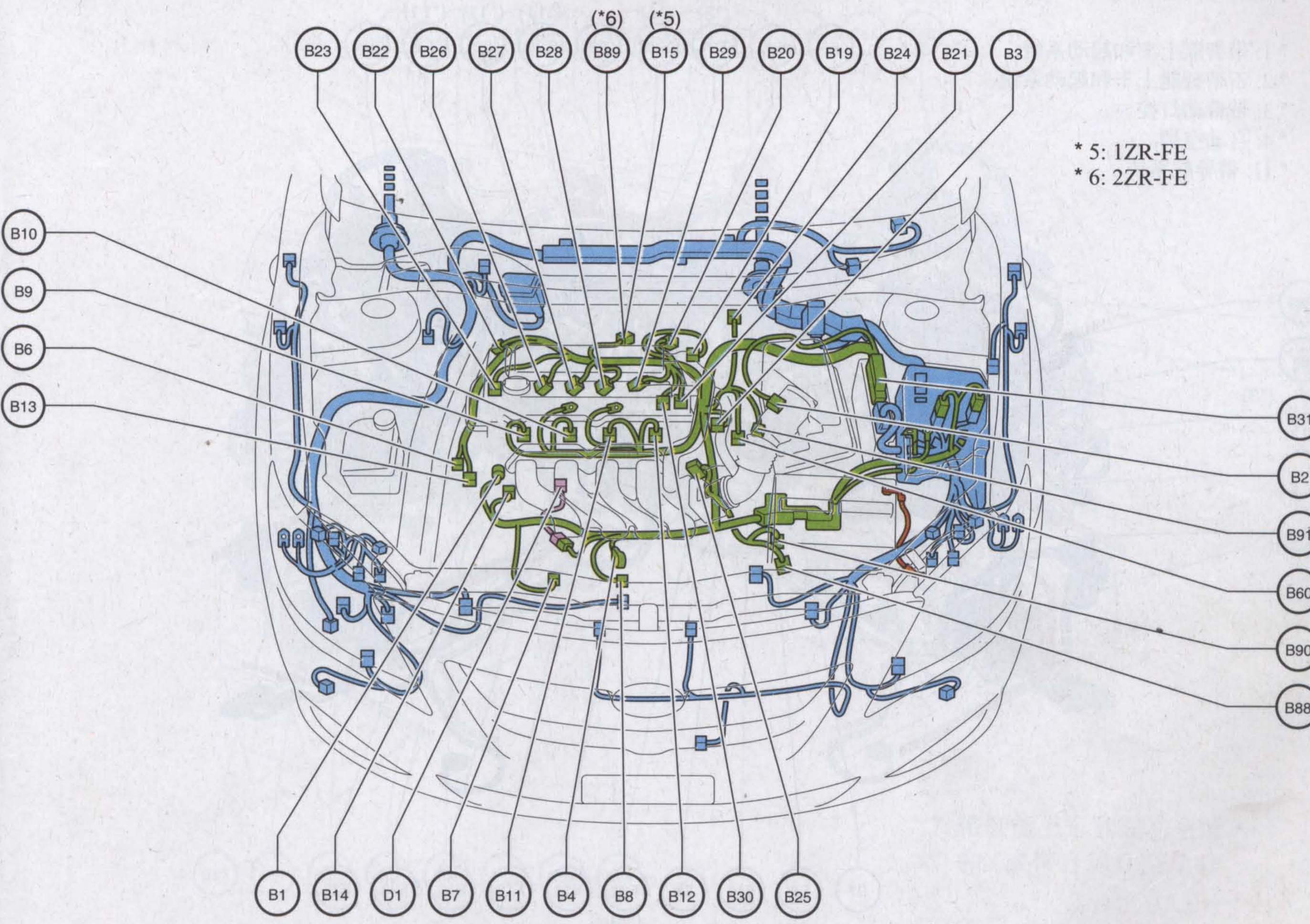


## 发动机室内零件的位置




A 6　左侧转向信号灯总成
A 7　左前转向信号灯 ( 左侧前大灯总成 )
A 8　左前示宽灯 ( 左侧前大灯总成 )
A 9　左侧前大灯光束高度调整电动机 ( 左侧前大灯总成 )
A10　左前气囊传感器
A11　挡风玻璃刮水器电动机总成
A12　制动液液位警告开关 ( 制动主缸储液罐分总成 )
A16　空调压力传感器
A17　挡风玻璃清洗器电动机和泵总成
A18　右前转向信号灯 ( 右侧前大灯总成 )
A19　右前示宽灯 ( 右侧前大灯总成 )
A20　右侧前大灯光束高度调整电动机 ( 右侧前大灯总成 )
A21　右前气囊传感器
A22　右侧雾灯总成
A23　环境温度传感器
A25　左侧雾灯总成
A26　右侧转向信号灯总成
A27　右前转速传感器
A28　左前转速传感器
A37　右侧前大灯总成 ( 远光 )
A38　左侧前大灯总成 ( 远光 )
A39　右侧前大灯总成 ( 近光 )
A40　左侧前大灯总成 ( 近光 )
A41　2 号冷却风扇 ECU
A42　遥控门锁蜂鸣器
A43　前大灯清洗器控制继电器
A44　前大灯清洗器喷嘴电动机和泵总成
A50　ECM
A51　制动器执行器总成
A60　发动机盖锁总成
A64　右侧前大灯总成 ( 近光 )
A65　左侧前大灯总成 ( 近光 )
A66　制动器执行器总成
A81　挡风玻璃清洗器电动机和泵总成
A82　低音喇叭总成
A83　高音喇叭总成
A84　警报喇叭总成
A85　1 号右前超声波传感器
A86　1 号左前超声波传感器

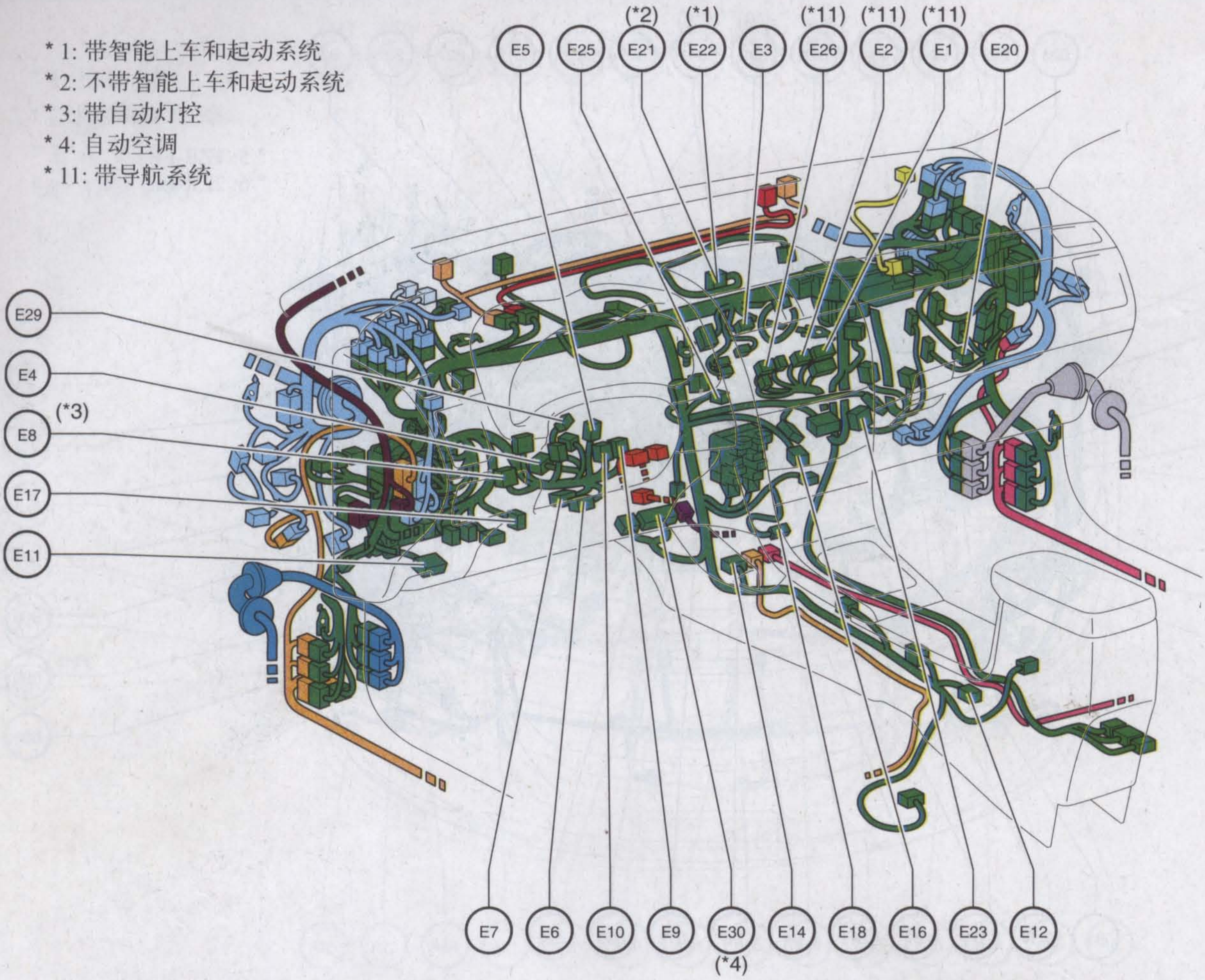
# 发动机室内零件的位置




B 1　发电机总成
B 2　质量空气流量计
B 3　E.F.I. 发动机冷却液温度传感器
B 4　起动机总成
B 6　发动机机油压力开关总成
B 7　带皮带轮压缩机总成
B 8　起动机总成
B 9　1 号喷油器总成
B10　2 号喷油器总成
B11　3 号喷油器总成
B12　4 号喷油器总成
B13　1 号曲轴位置传感器
B14　发电机总成
B15　氧传感器 (B1 S1)
B19　清污 VSV
B20　VVT 传感器 ( 排气侧 )
B21　VVT 传感器 ( 进气侧 )
B22　凸轮轴正时机油控制阀总成 ( 排气侧 )
B23　凸轮轴正时机油控制阀总成 ( 进气侧 )
B24　氧传感器 (B1 S2)
B25　带电动机的节气门体总成
B26　1 号点火线圈总成
B27　2 号点火线圈总成
B28　3 号点火线圈总成
B29　4 号点火线圈总成
B30　静噪滤波器 ( 点火 )
B31　ECM
B60　倒车灯开关总成
B88　驻车档 / 空档位置开关总成
B89　空燃比传感器 (B1 S1)
B90　电子控制变速器电磁阀
B91　变速器转速传感器

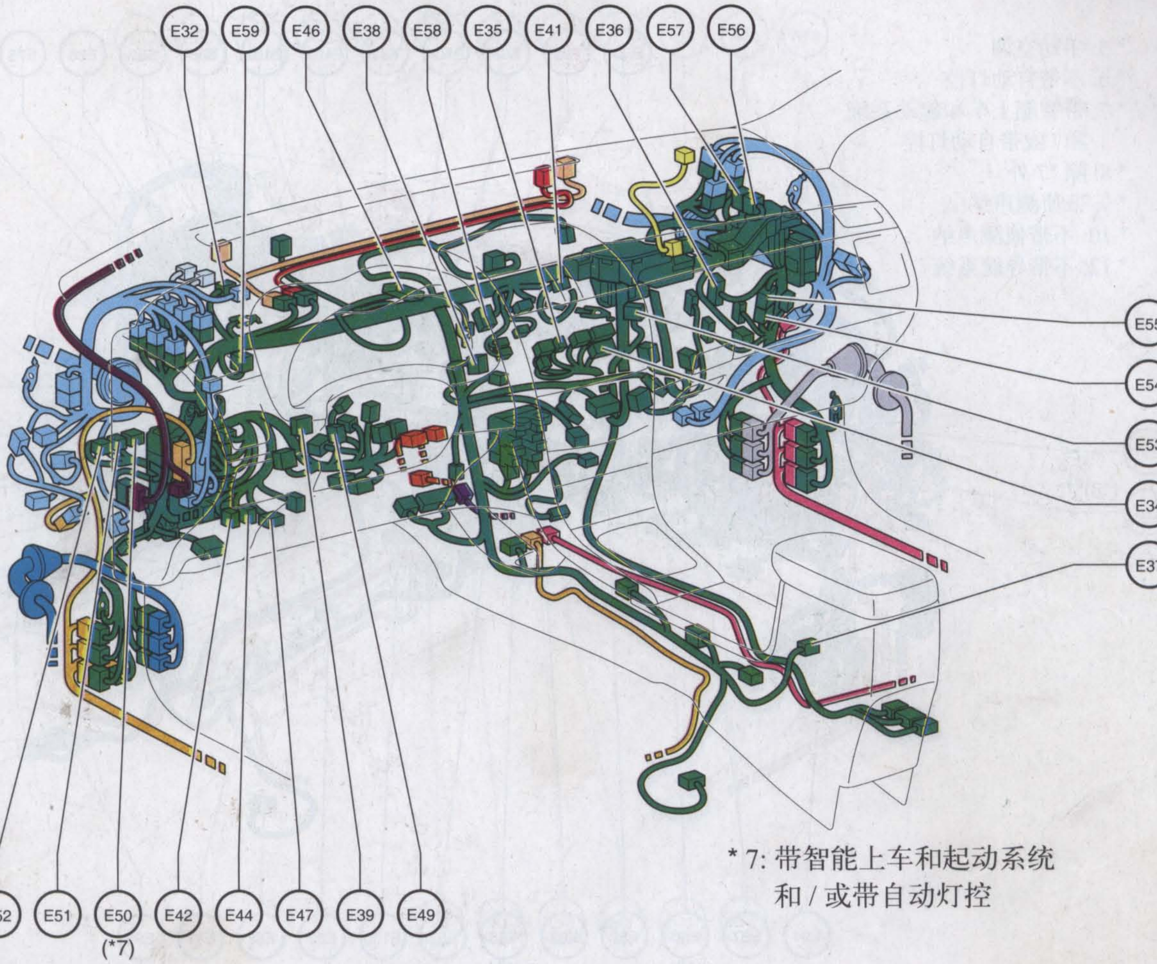
D 1　爆震控制传感器 (B1)

## 仪表板内零件的位置




| | |
|---|---|
| E 1 | 导航接收器总成 |
| E 2 | 导航接收器总成 |
| E 3 | 放大器天线总成 |
| E 4 | 点火或起动机开关总成 |
| E 5 | 未锁止警告开关总成 |
| E 6 | 螺旋电缆分总成 |
| E 7 | 螺旋电缆分总成 |
| E 8 | 前大灯变光开关总成 |
| E 9 | 挡风玻璃刮水器开关总成 |
| E10 | 挡风玻璃刮水器开关总成 |
| E11 | DLC3 |
| E12 | 驻车制动开关总成 |
| E14 | 中间气囊传感器总成 |
| E16 | 加热器或辅助通风装置控制总成 |
| E17 | 2 号车外后视镜开关总成 |
| E18 | 点烟器总成 |
| E20 | 手套箱灯总成 |
| E21 | 收发器钥匙 ECU 总成 |
| E22 | 识别码盒 |
| E23 | 带风扇的鼓风机电动机分总成 |
| E25 | 车内温度传感器 |
| E26 | 导航接收器总成 |
| E29 | 收发器钥匙放大器 |
| E30 | 空调放大器总成 |

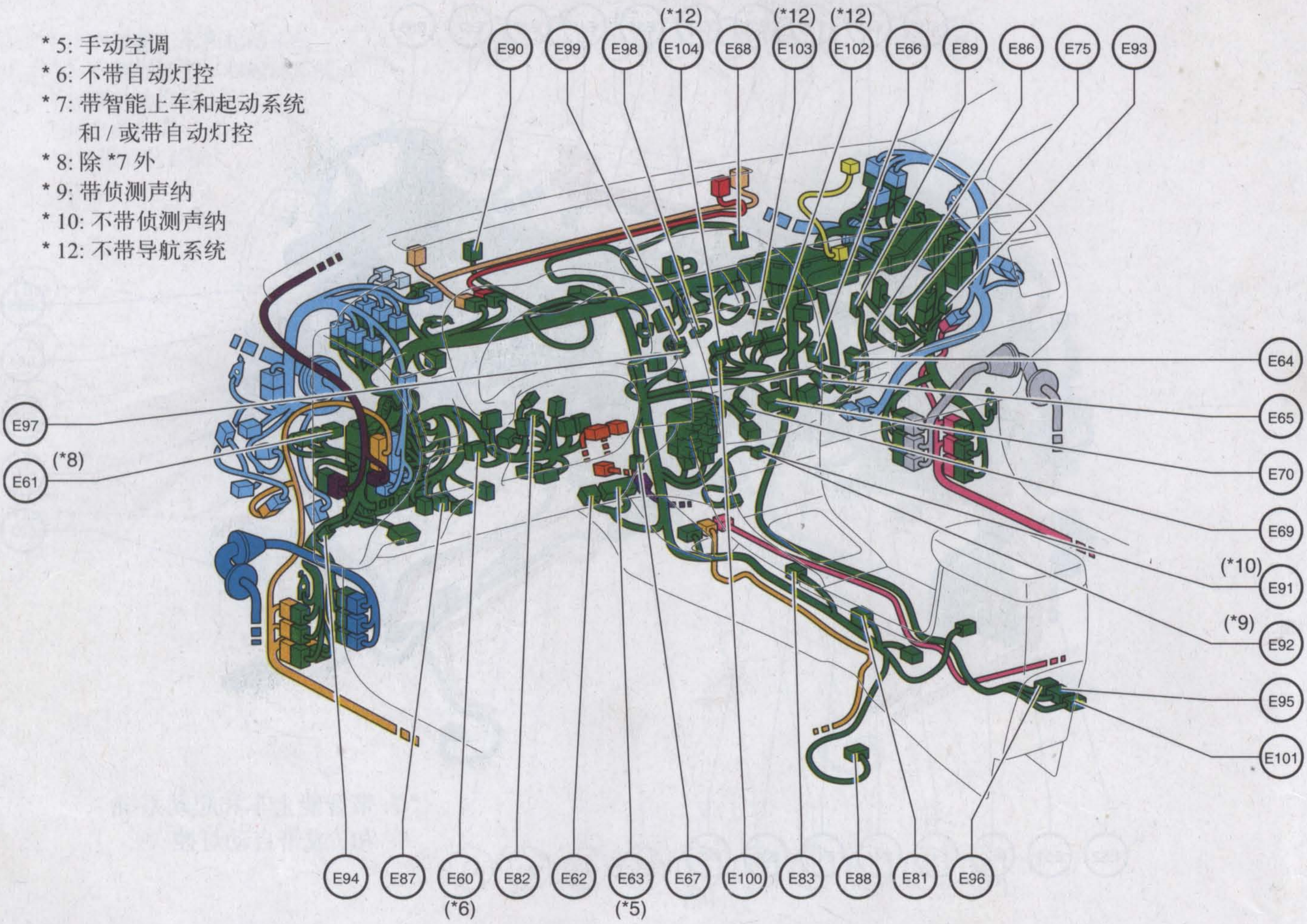
## 仪表板内零件的位置




* 7: 带智能上车和起动系统和 / 或带自动灯控

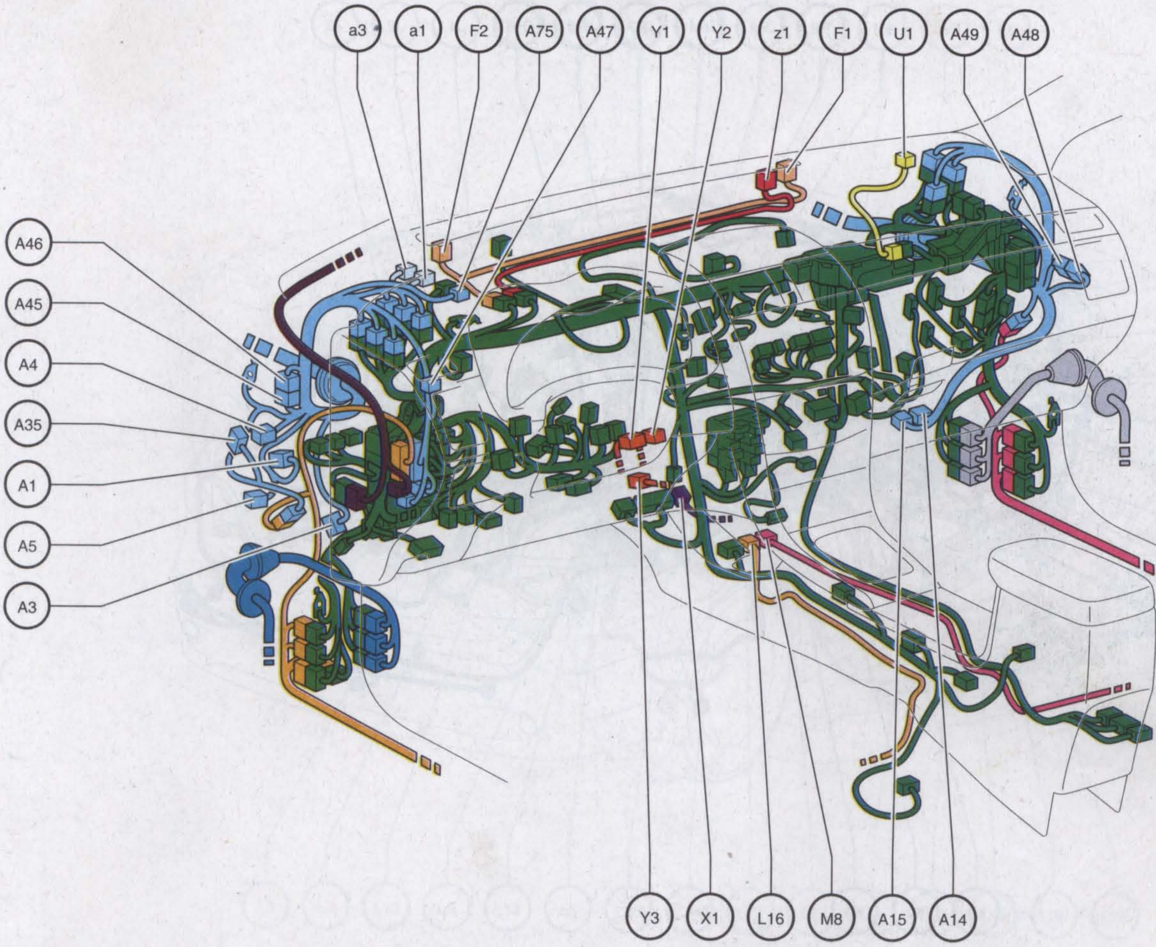
E32 动力转向 ECU 总成
E34 导航接收器总成
E35 导航接收器总成
E36 认证 ECU 总成
E37 前电子钥匙振荡器
E38 电源开关
E39 转向锁执行器总成
E41 危险警告信号开关总成
E42 前大灯清洗器开关总成
E44 前大灯光束高度调整开关
E46 组合仪表总成
E47 VSC Off 开关
E49 转向传感器
E50 主车身 ECU
E51 主车身 ECU
E52 主车身 ECU
E53 接线连接器
E54 接线连接器
E55 接线连接器
E56 接线连接器
E57 接线连接器
E58 接线连接器
E59 接线连接器

## 仪表板内零件的位置




E60 前大灯变光开关总成
E61 主车身 ECU
E62 空调放大器总成
E63 空调放大器总成
E64 带风扇的鼓风机电动机分总成
E65 3 号加热器控制分总成
E66 鼓风机电阻器
E67 1 号冷却器热敏电阻
E68 再循环风门伺服机构分总成
E69 加热器控制器底座分总成
E70 加热器控制器分总成
E75 防盗警报 ( 遥控和安全 )ECU 总成
E81 换档锁止控制 ECU 分总成
E82 钥匙互锁电磁阀
E83 变速器控制开关
E86 网络网关 ECU
E87 安全指示灯总成
E88 横摆率传感器总成
E89 间隙警告 ECU 总成
E90 1 号间隙警告蜂鸣器
E91 警告灯总成
E92 警告灯总成
E93 二极管 ( 右前车门门控灯开关总成 )
E94 二极管 ( 左前车门门控灯开关总成 )
E95 电视摄像机控制器
E96 电视摄像机控制器
E97 接线连接器
E98 接线连接器
E99 接线连接器
E100 导航接收器总成
E101 电视摄像机控制器
E102 收音机总成
E103 收音机总成
E104 收音机总成

# 仪表板内零件的位置




A 1　刹车灯开关总成
A 3　油门踏板传感器总成
A 4　巡航控制离合器开关
　　（离合器起动开关总成）
A 5　离合器起动开关总成
A14　快速加热器总成
A15　快速加热器总成
A35　前大灯光束高度调整 ECU 总成
A45　接线连接器
A46　接线连接器
A47　接线连接器
A48　接线连接器
A49　接线连接器
A75　动力转向 ECU 总成

F 1　阳光传感器
F 2　自动灯控传感器

L16　中间气囊传感器总成

M 8　中间气囊传感器总成

U 1　前排乘客侧点火管电路

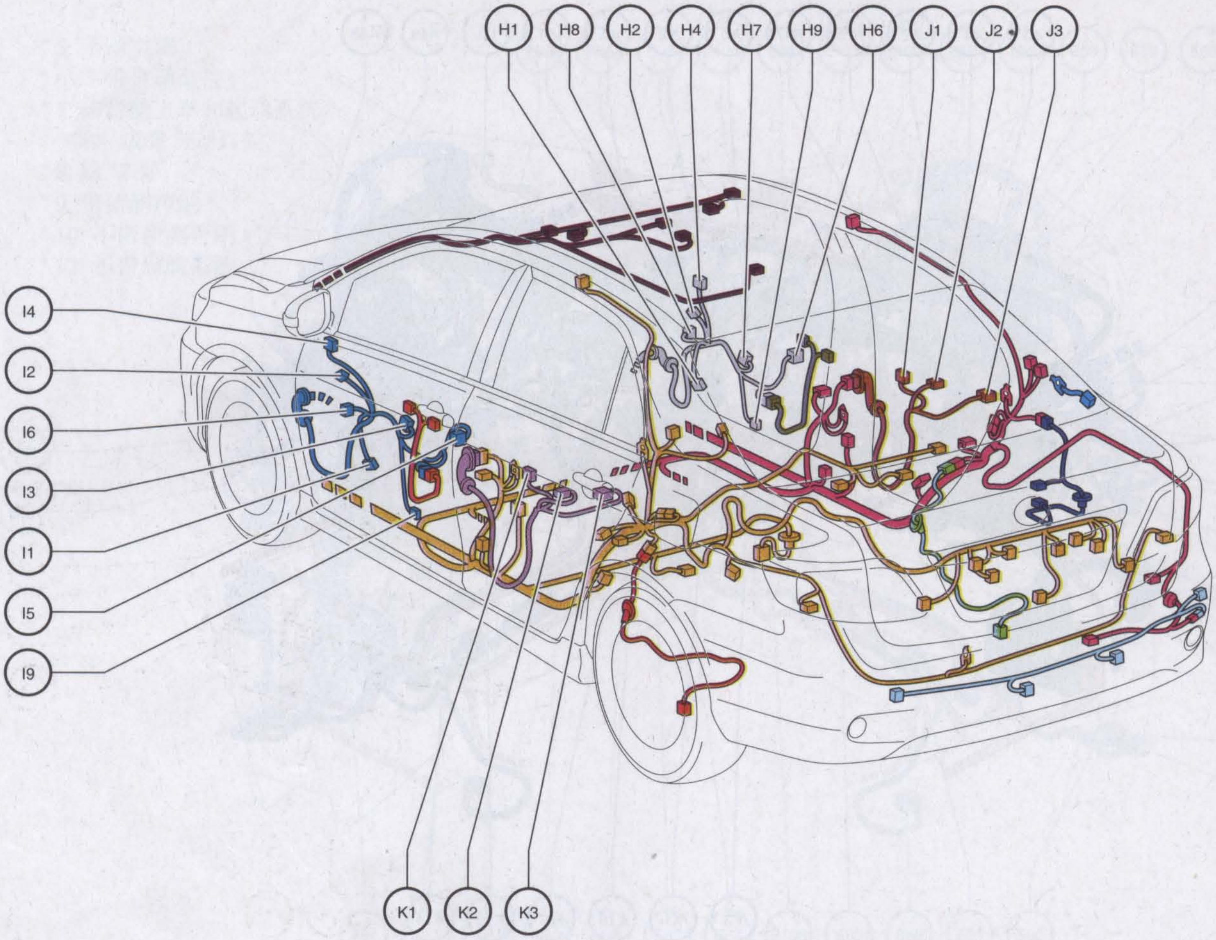
X 1　空调放大器总成
　　空调鼓风机总成

Y 1　螺旋电缆分总成
　　方向盘装饰盖开关总成
Y 2　巡航控制主开关
　　螺旋电缆分总成
Y 3　驾驶员侧点火管电路
　　螺旋电缆分总成

a 1　动力转向 ECU 总成
　　转向柱总成
a 3　动力转向 ECU 总成
　　转向柱总成

z 1　阳光传感器

## 车身内零件的位置



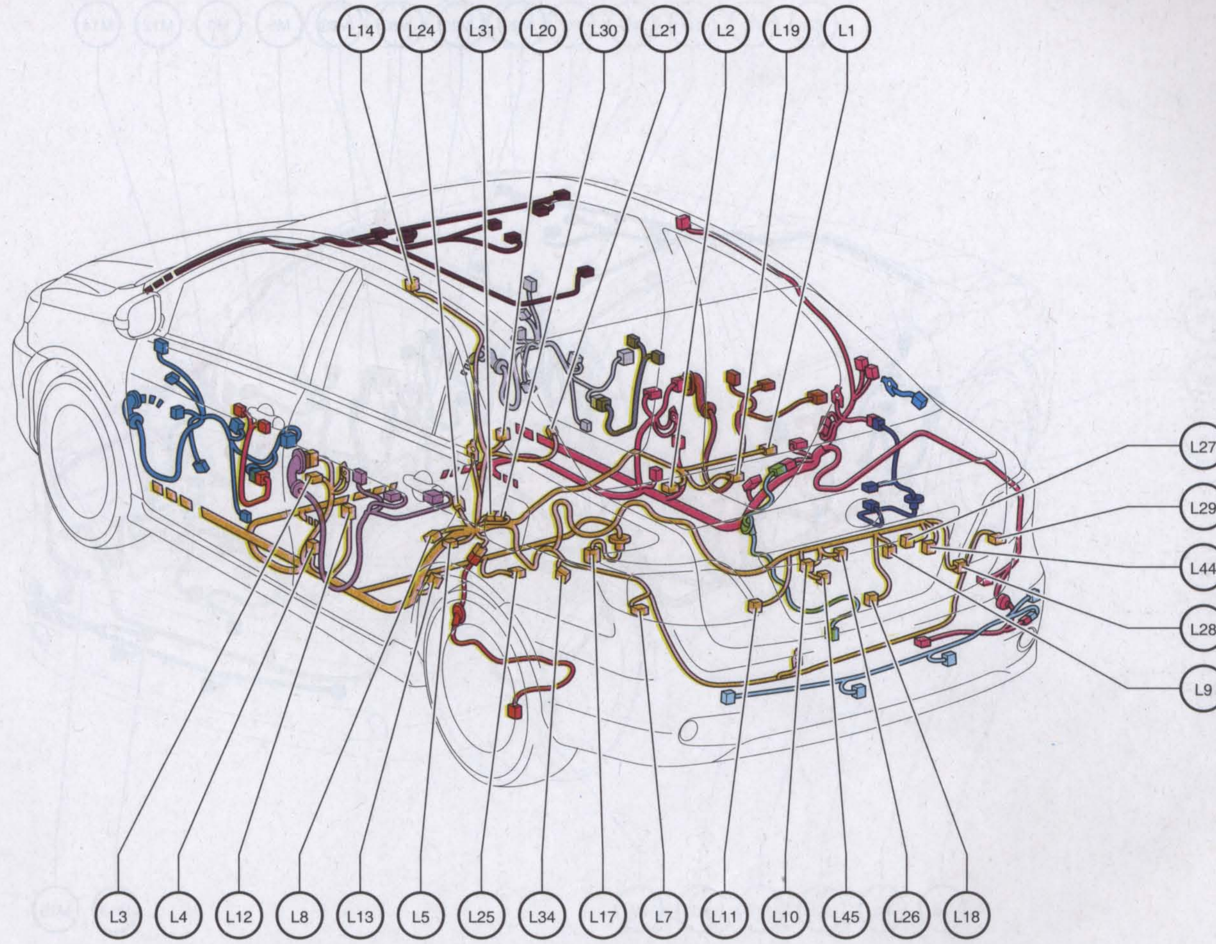

H 1　右前 1 号扬声器总成
H 2　右侧车外后视镜总成
H 4　右前 2 号扬声器总成
H 6　右前车门门锁总成
H 7　右前电动车窗升降器开关总成
H 8　右前电动车窗升降器电动机总成
H 9　右前车门门控灯总成

I 1　左前 1 号扬声器总成
I 2　左侧车外后视镜总成
I 3　电动车窗升降器主开关总成
I 4　左前 2 号扬声器总成
I 5　左前车门门锁总成
I 6　左前电动车窗升降器电动机总成
I 9　左前车门门控灯总成

J 1　右后电动车窗升降器开关总成
J 2　右后车门车窗升降器分总成
J 3　右后车门门锁总成

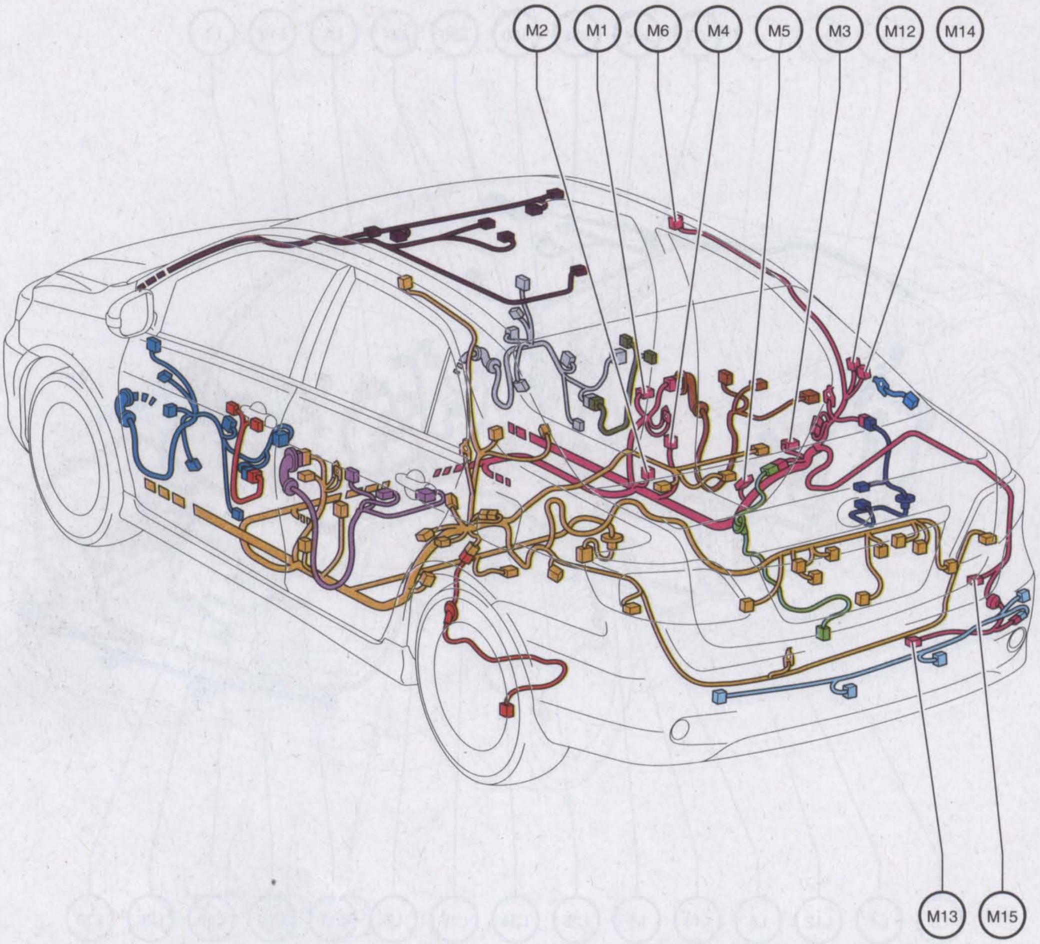
K 1　左后电动车窗升降器开关总成
K 2　左后车门车窗升降器分总成
K 3　左后车门门锁总成

## 车身内零件的位置



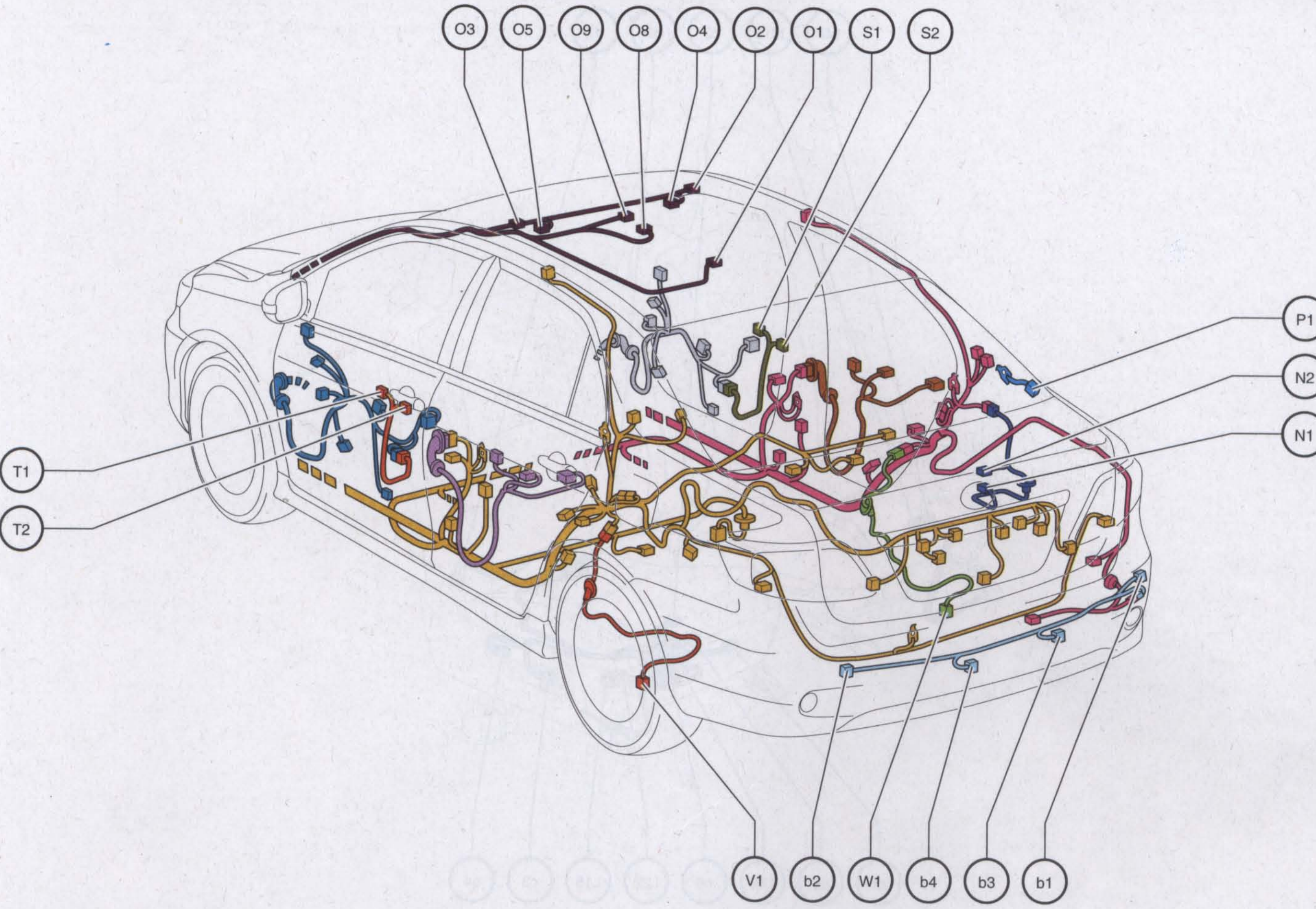

L 1　右后扬声器总成
L 2　左后扬声器总成
L 3　左前车门门控灯开关总成
L 4　左前座椅外安全带总成
L 5　左后车门门控灯开关总成
L 7　左后组合灯总成
L 8　中央刹车灯总成
L 9　右侧牌照灯总成
L10　左侧牌照灯总成
L11　左后灯总成
L12　左前侧气囊传感器总成
L13　左后侧气囊传感器总成
L14　左侧窗帘式安全气囊总成
L17　燃油泵
　　　燃油表传感器总成
L18　行李箱门锁总成
L19　1 号行李箱灯总成
L20　静噪滤波器 ( 刹车灯 )
L21　后窗除雾器 ( 背窗玻璃 )
L24　二极管 (1 号行李箱灯总成 )
L25　后电子钥匙振荡器
L26　行李箱门开启器开关总成
L27　行李箱门锁锁芯总成
L28　右后灯总成
L29　右后组合灯总成
L30　接线连接器
L31　接线连接器
L34　接线连接器
L44　中央刹车灯总成
L45　电视摄像机总成

## 车身内零件的位置




M 1　右前车门门控灯开关总成
M 2　右前座椅外安全带总成
M 3　右后车门门控灯开关总成
M 4　右前侧气囊传感器总成
M 5　右后侧气囊传感器总成
M 6　右侧窗帘式安全气囊总成
M12　2 号车门控制接收器
M13　行李箱外电子钥匙天线
M14　3 号车门控制接收器
M15　电子钥匙天线

## 车身内零件的位置




N 1　后高度控制传感器分总成
N 2　行李箱内电子钥匙振荡器

O 1　1 号车厢照明灯总成
O 2　右侧遮阳板总成
O 3　左侧遮阳板总成
O 4　右侧梳妆灯总成
O 5　左侧梳妆灯总成
O 8　阅读灯总成
O 9　滑动天窗控制 ECU

P 1　后窗除雾器 ( 背窗玻璃 )

S 1　右前车门外把手总成
S 2　右前车门电子钥匙振荡器

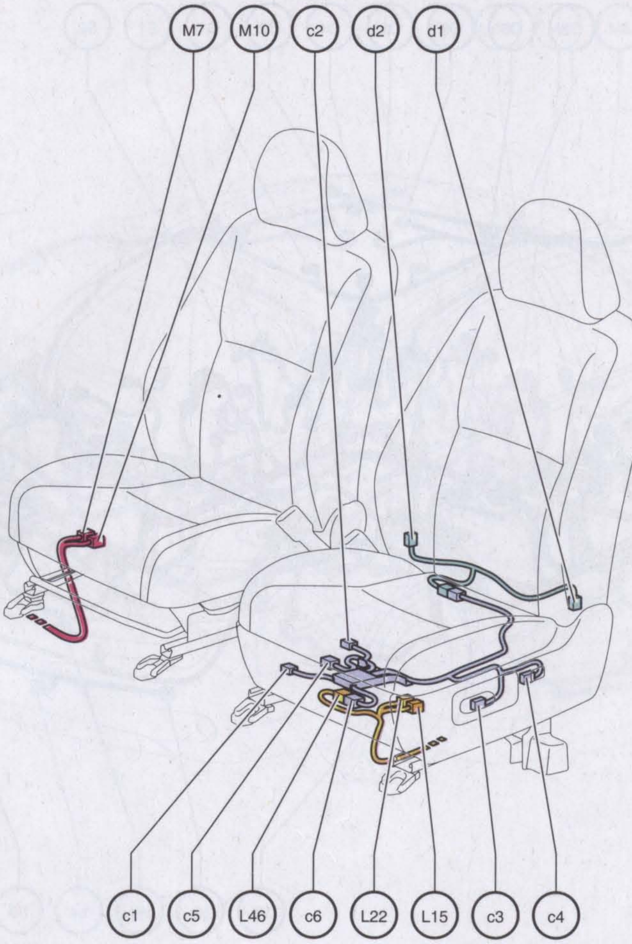
T 1　左前车门外把手总成
T 2　左前车门电子钥匙振荡器

V 1　左后转速传感器

W 1　右后转速传感器

b 1　1 号右后超声波传感器
b 2　1 号左后超声波传感器
b 3　1 号右后中间超声波传感器
b 4　1 号左后中间超声波传感器

## 座椅内零件的位置




L15 左侧气囊点火管电路
L22 左前座椅内安全带总成
L46 接线连接器

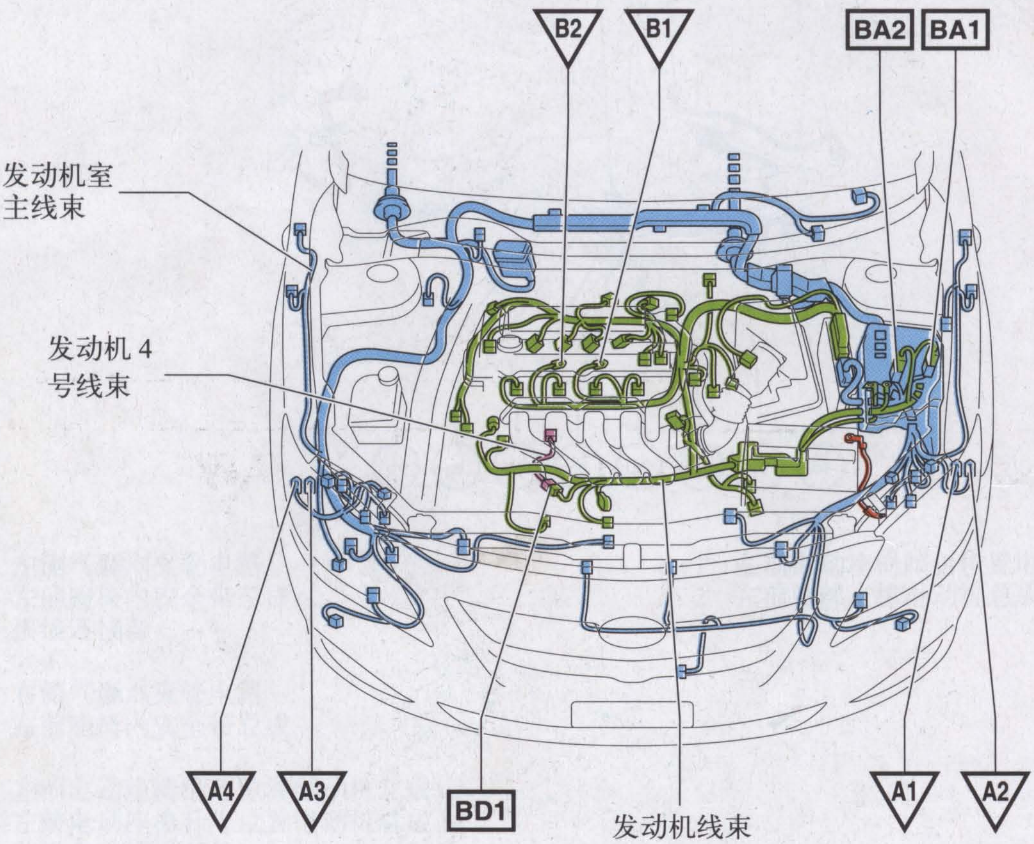
M 7 右侧气囊点火管电路
M10 右前座椅内安全带总成

c 1 左前电动座椅滑动位置电动机总成
c 2 左前电动座椅升降位置电动机总成
c 3 前排电动座椅开关
c 4 电动座椅开关总成
c 5 左前座椅内安全带总成
c 6 接线连接器

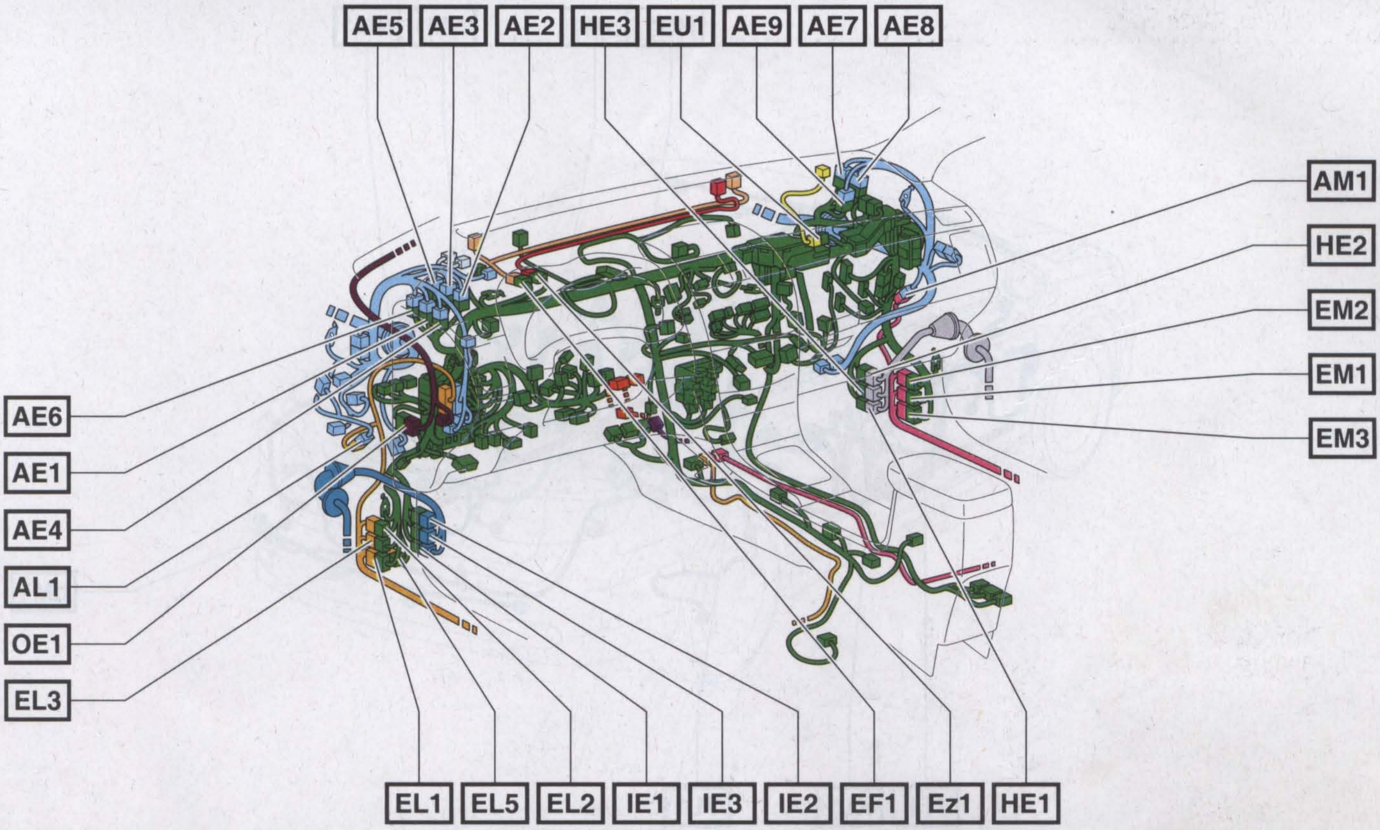
d 1 左前电动座椅倾斜位置电动机总成
d 2 左前腰部支撑电动机总成

## G 电路图

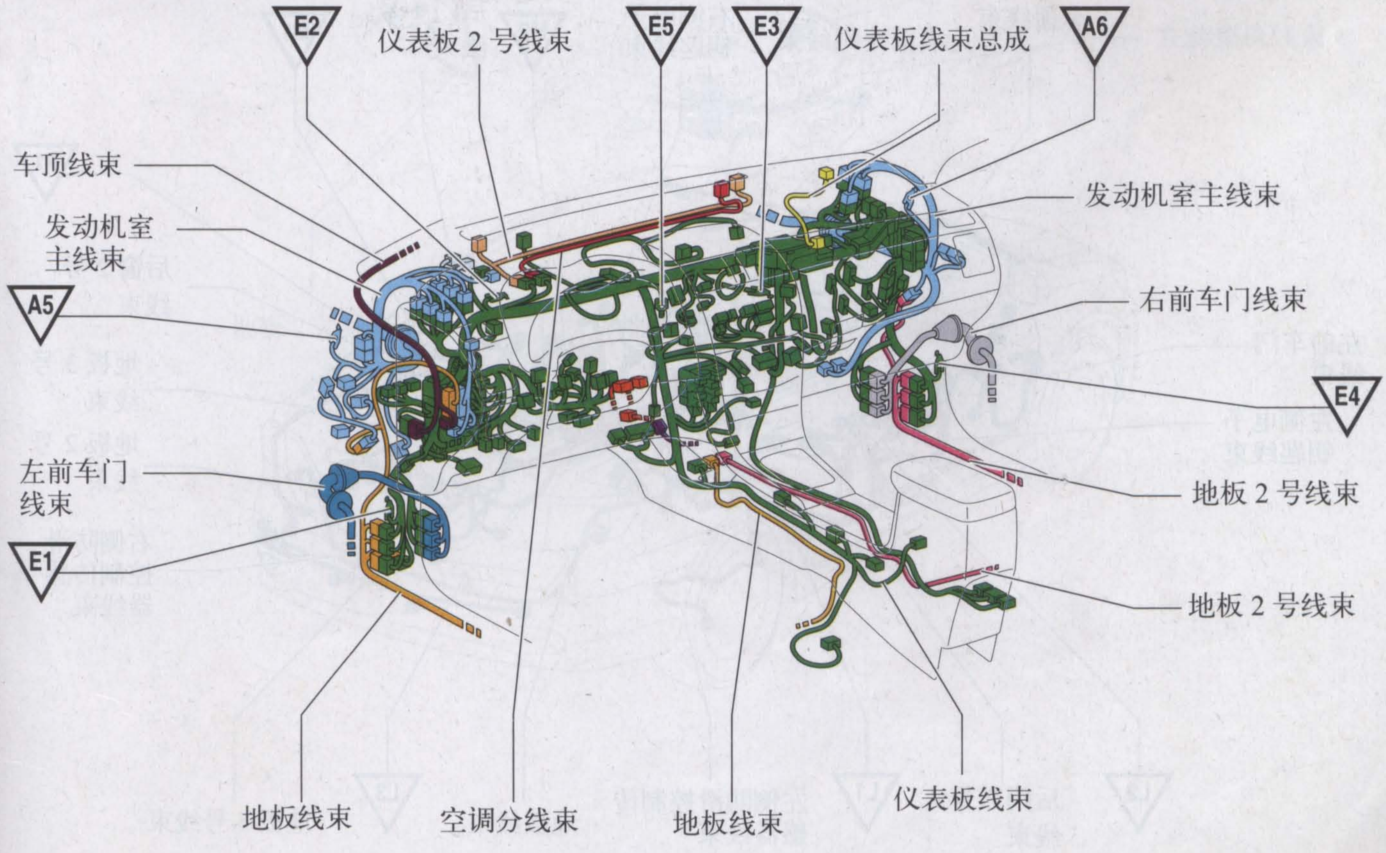
| | |
|---|---|
| □ | : 连接线束的连接器和线束的位置 |
| ▽ | : 搭铁点的位置 |



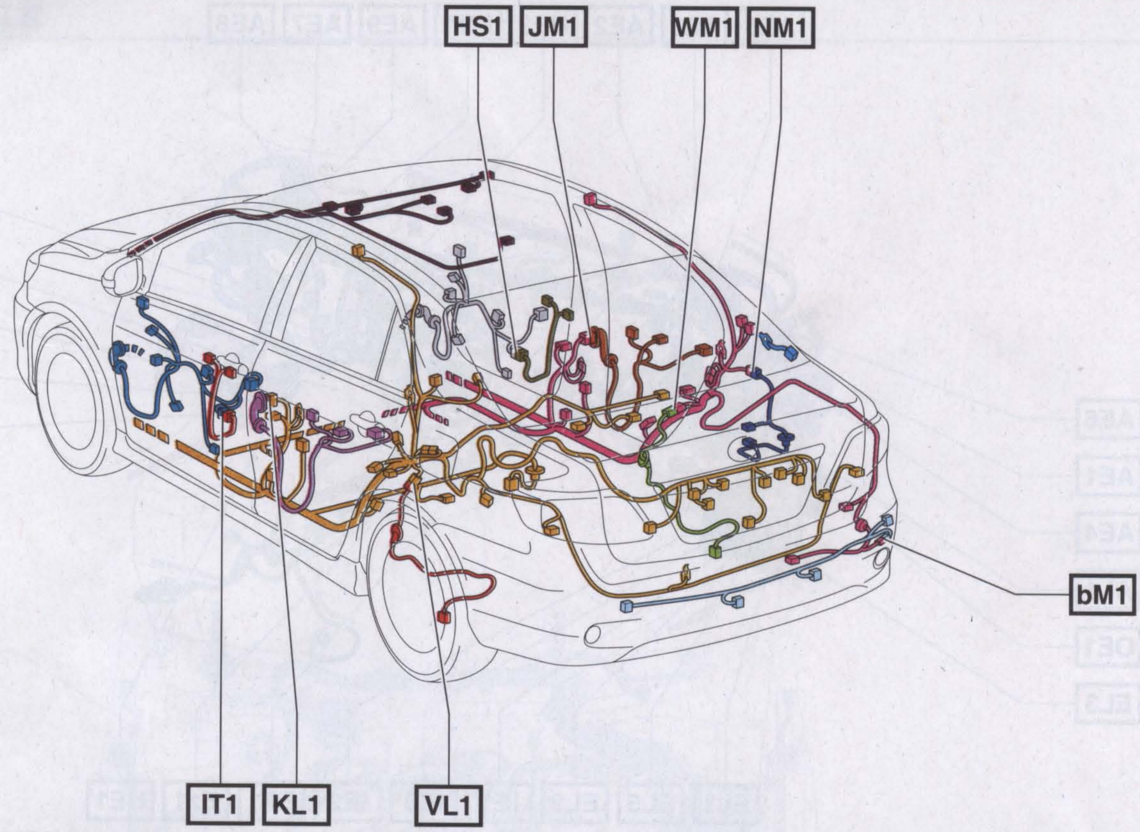
## □：连接线束的连接器和线束的位置



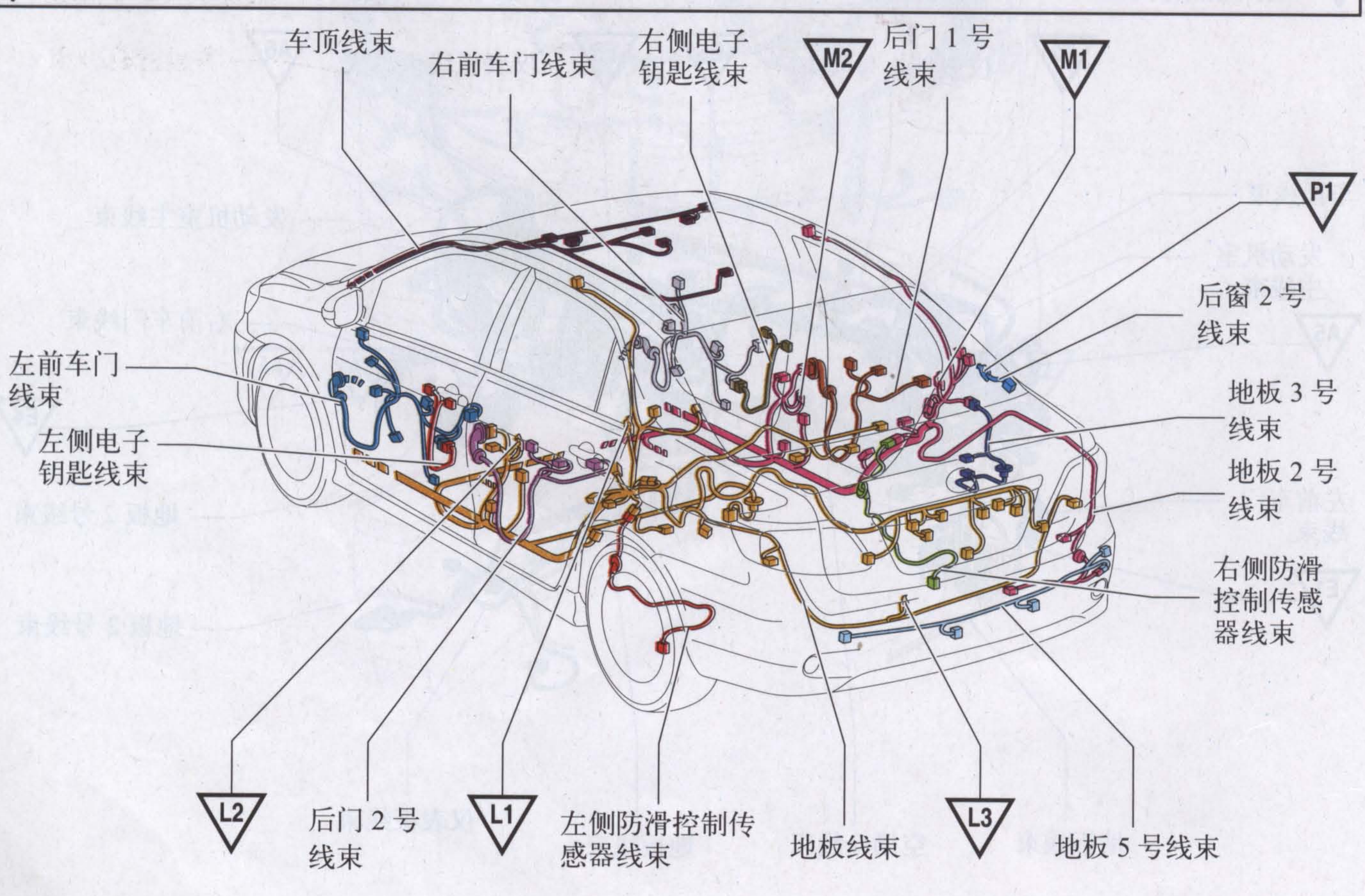

## ▽：搭铁点的位置



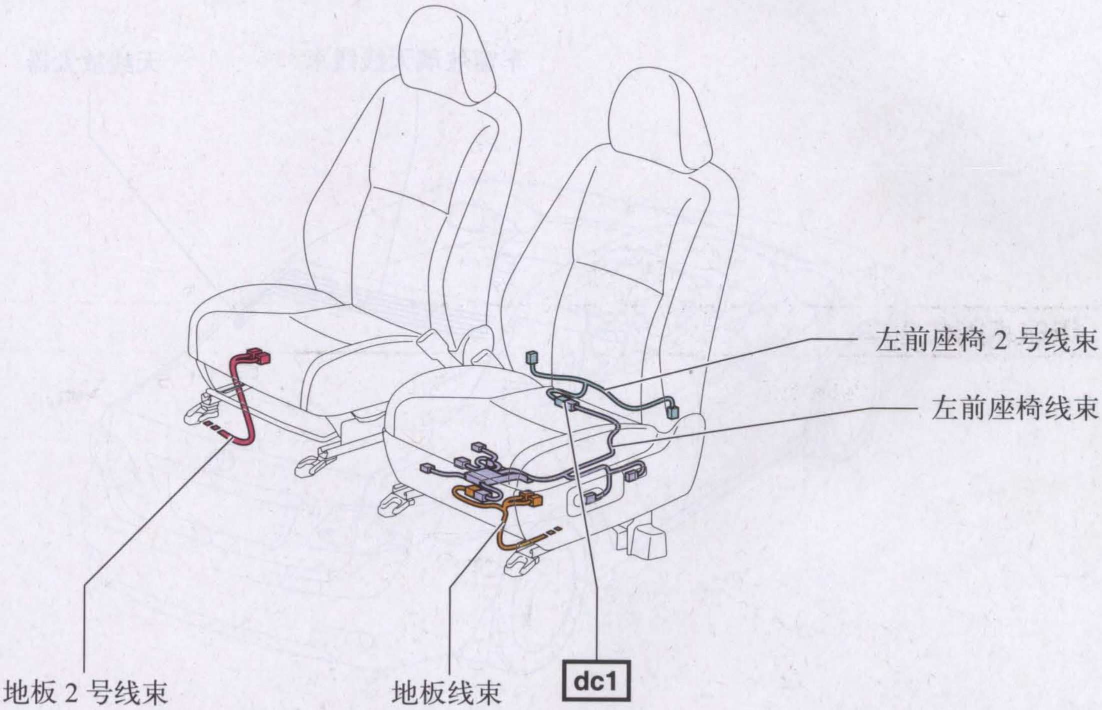
## □ : 连接线束的连接器和线束的位置



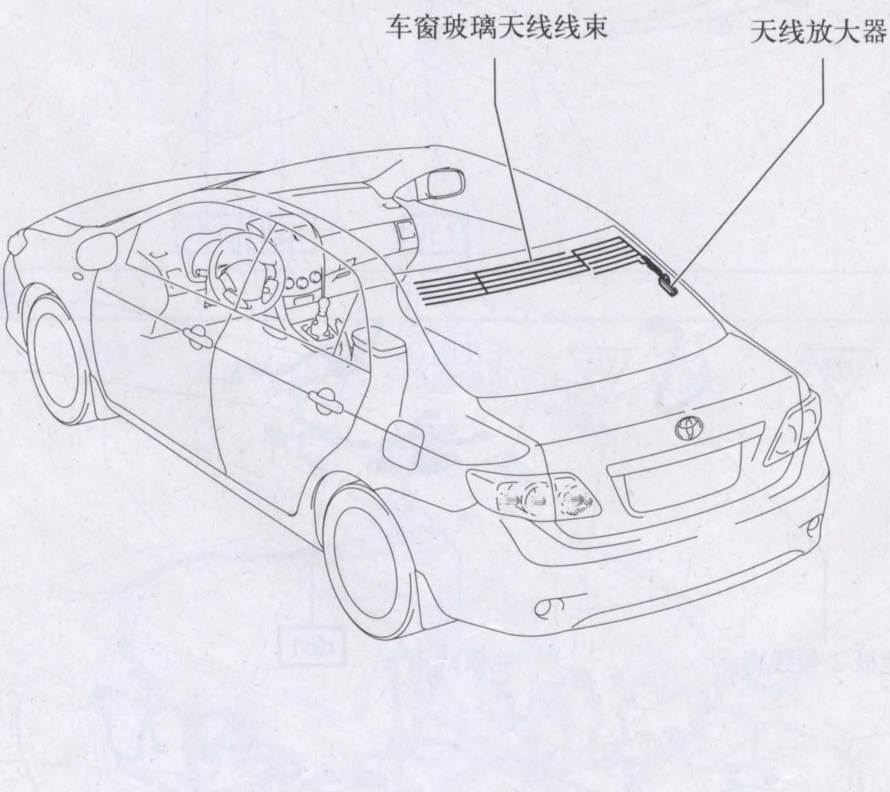

## ▽ : 搭铁点的位置



## □ : 连接线束的连接器和线束的位置

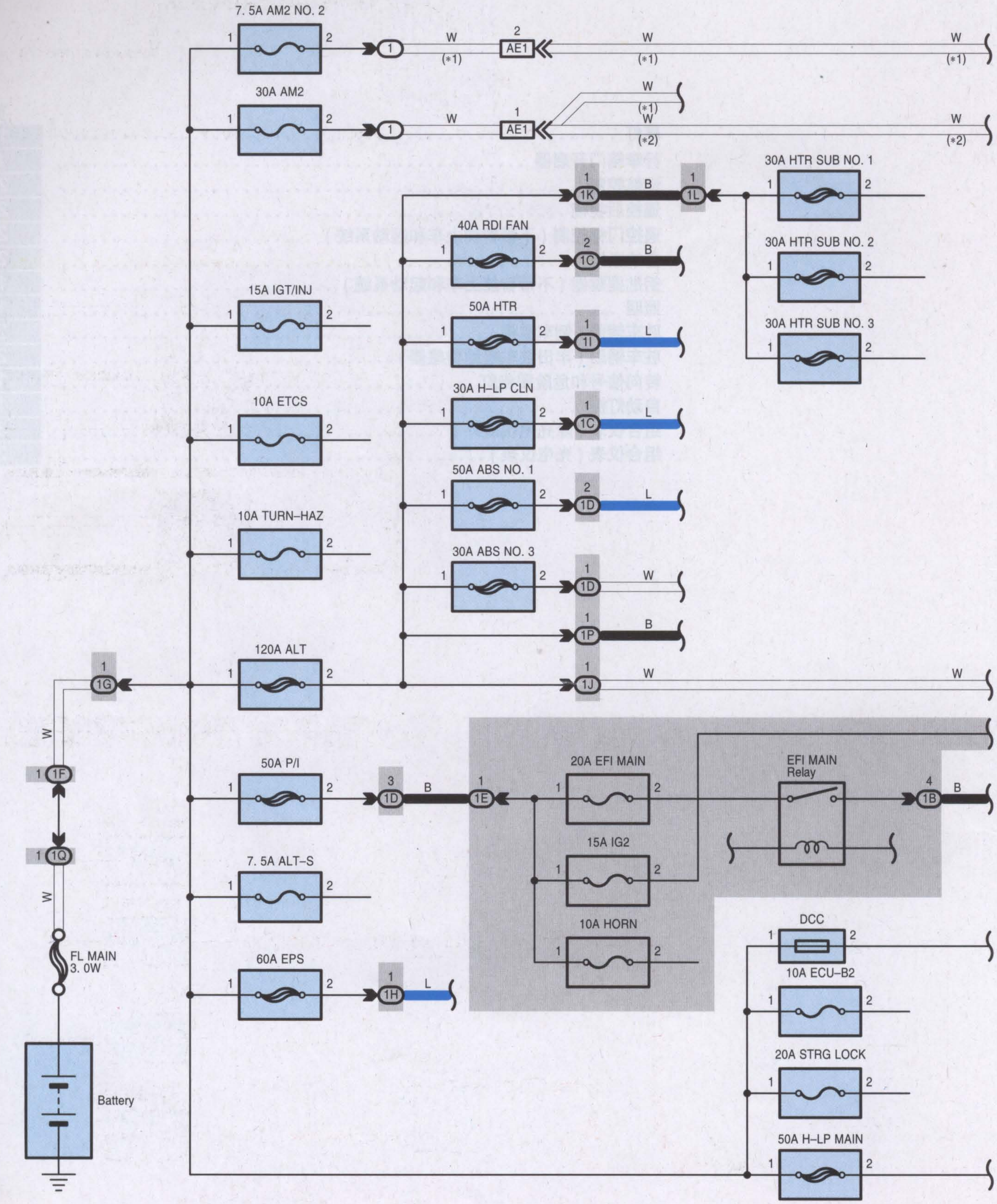


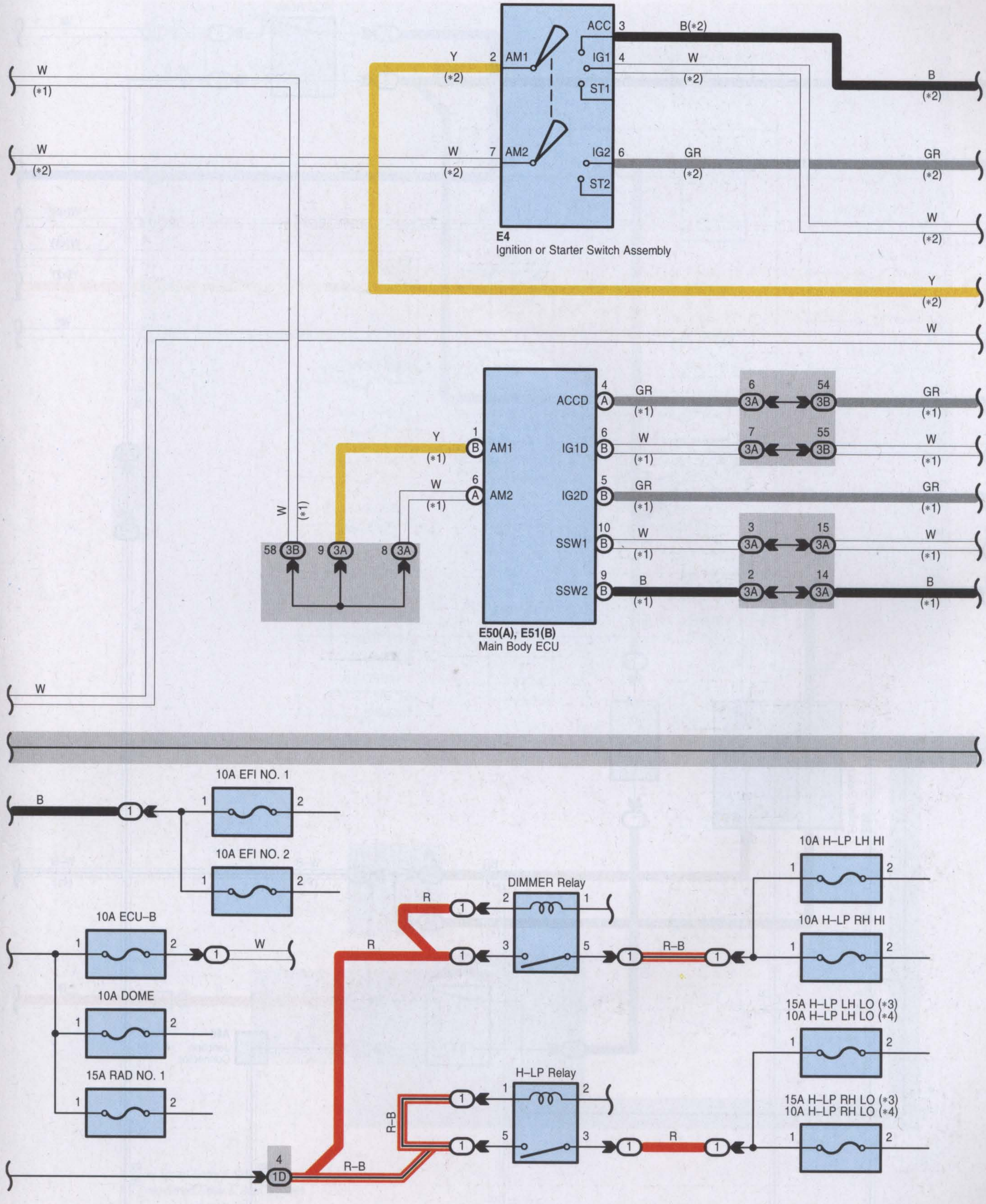
## [ 天线 ]



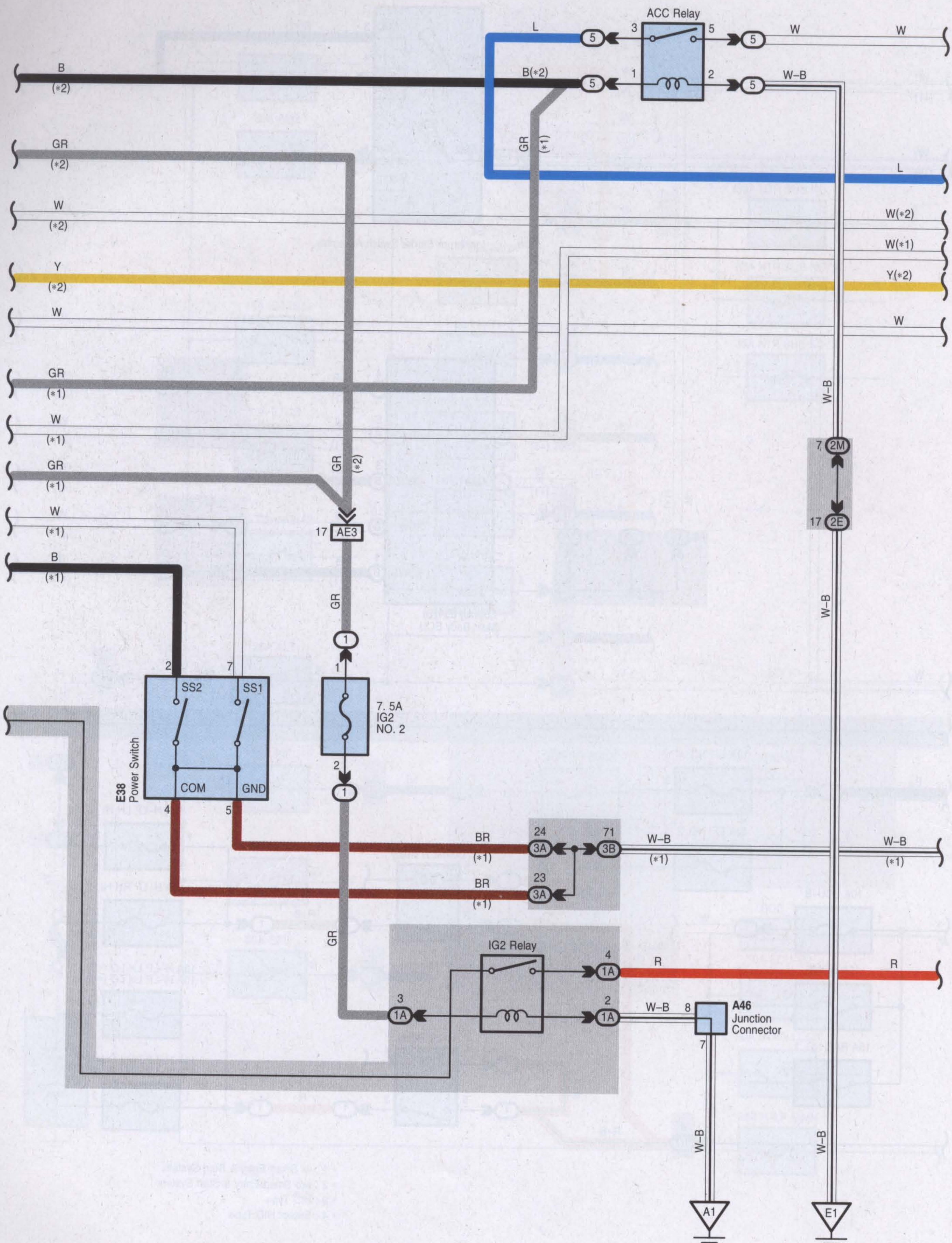
# COROLLA

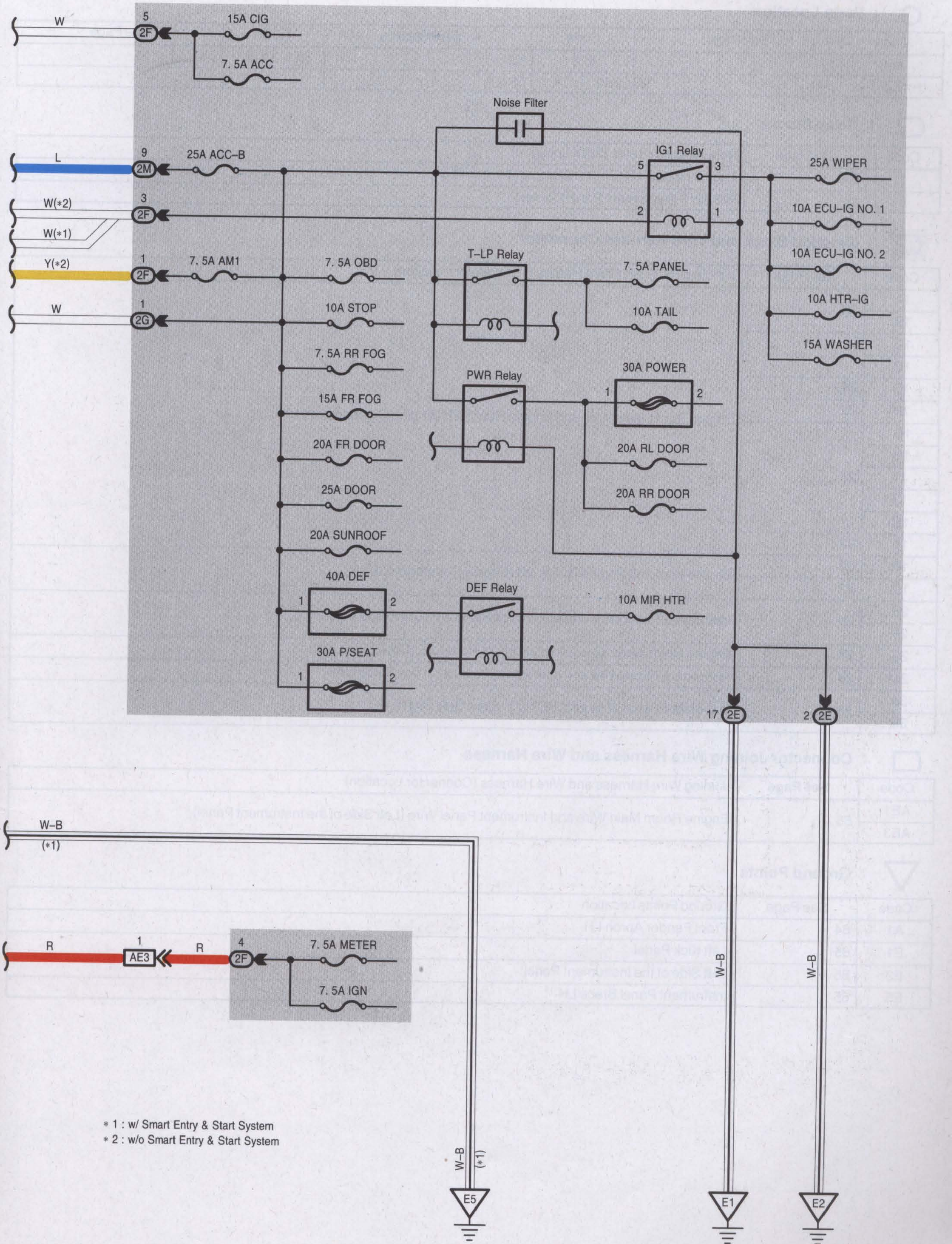
# 电路图
# 系统电路


7. 5A AM2 NO. 2
30A AM2
AE1
W
(*1)
(*2)
B
L
30A HTR SUB NO. 1
30A HTR SUB NO. 2
30A HTR SUB NO. 3
40A RDI FAN
15A IGT/INJ
50A HTR
30A H–LP CLN
10A ETCS
50A ABS NO. 1
10A TURN–HAZ
30A ABS NO. 3
120A ALT
1K
1L
1C
1I
1D
1P
1J
1G
1F
1Q
1E
1B
1H
50A P/I
20A EFI MAIN
EFI MAIN
Relay
15A IG2
7. 5A ALT–S
10A HORN
DCC
10A ECU–B2
FL MAIN
3. 0W
60A EPS
20A STRG LOCK
Battery
50A H–LP MAIN




* 1 : w/ Smart Entry & Start System
* 2 : w/o Smart Entry & Start System
* 3 : HID Type
* 4 : Except HID Type


ACC Relay
L
B
(*2)
B(*2)
GR
(*1)
W
W-B
GR
(*2)
W
(*2)
W(*2)
W(*1)
Y
(*2)
Y(*2)
W
GR
(*1)
W
(*1)
AE3
B
(*1)
SS2
SS1
COM
GND
E38
Power Switch
7. 5A
IG2
NO. 2
BR
(*1)
3A
3B
2M
2E
IG2 Relay
1A
R
A46
Junction
Connector
A1
E1




* 1 : w/ Smart Entry & Start System
* 2 : w/o Smart Entry & Start System

### ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| A46 | 57 | E38 | 55 | E51 B | 55 |
| E4 | 54 | E50 A | 55 | | |

### ▢ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |
| 5 | 46 | R/B No.5 (Instrument Panel Center) |

### ▢ : Junction Block and Wire Harness Connector

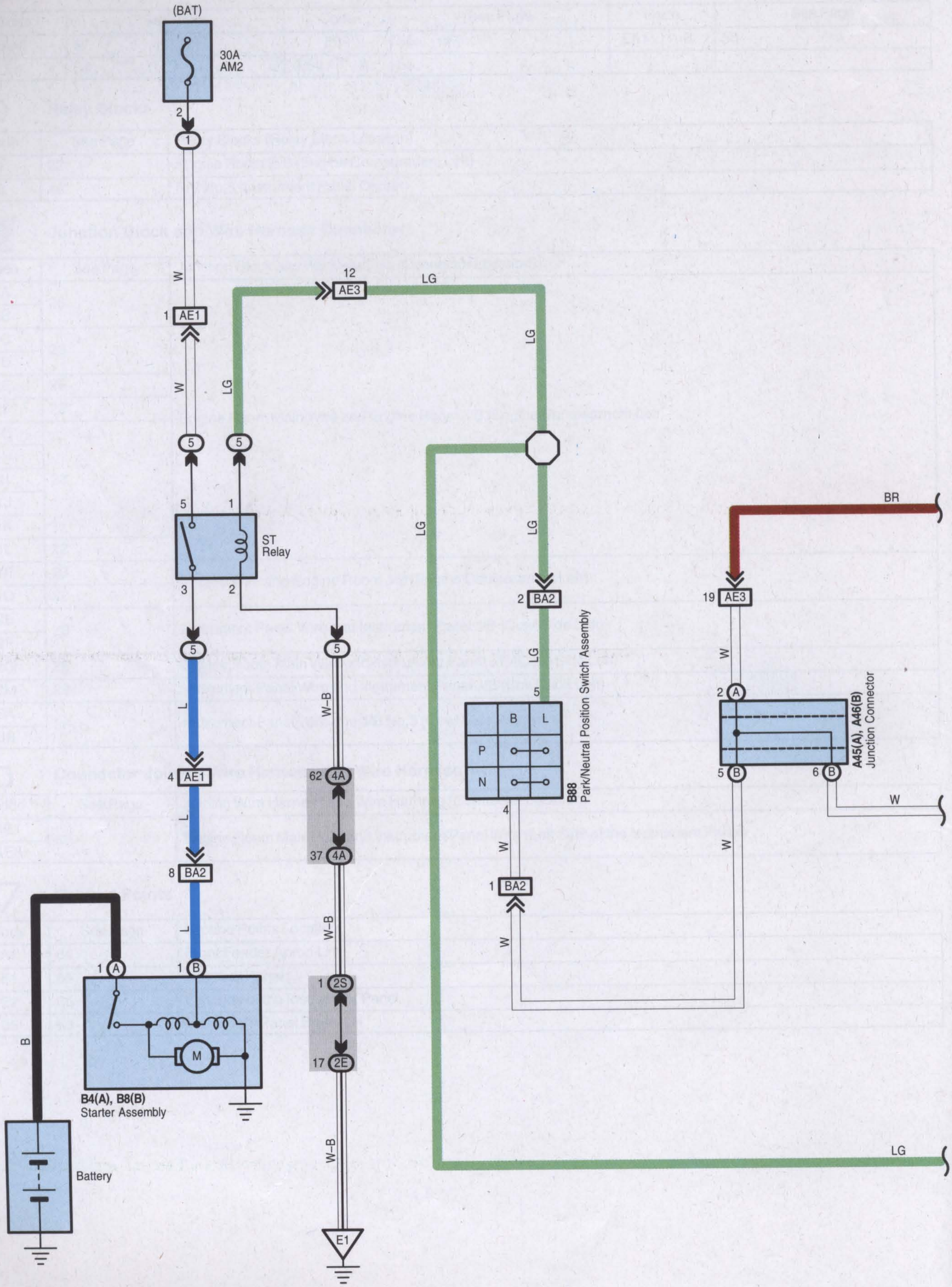
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1A | 26 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 1B | | |
| 1C | 23 | |
| 1D | | |
| 1E | 26 | |
| 1F | 22 | |
| 1G | 23 | |
| 1H | | |
| 1I | | |
| 1J | | |
| 1K | | |
| 1L | 22 | |
| 1P | 23 | Engine Wire and Engine Room J/B (Engine Compartment Left) |
| 1Q | 22 | |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2F | | |
| 2G | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |

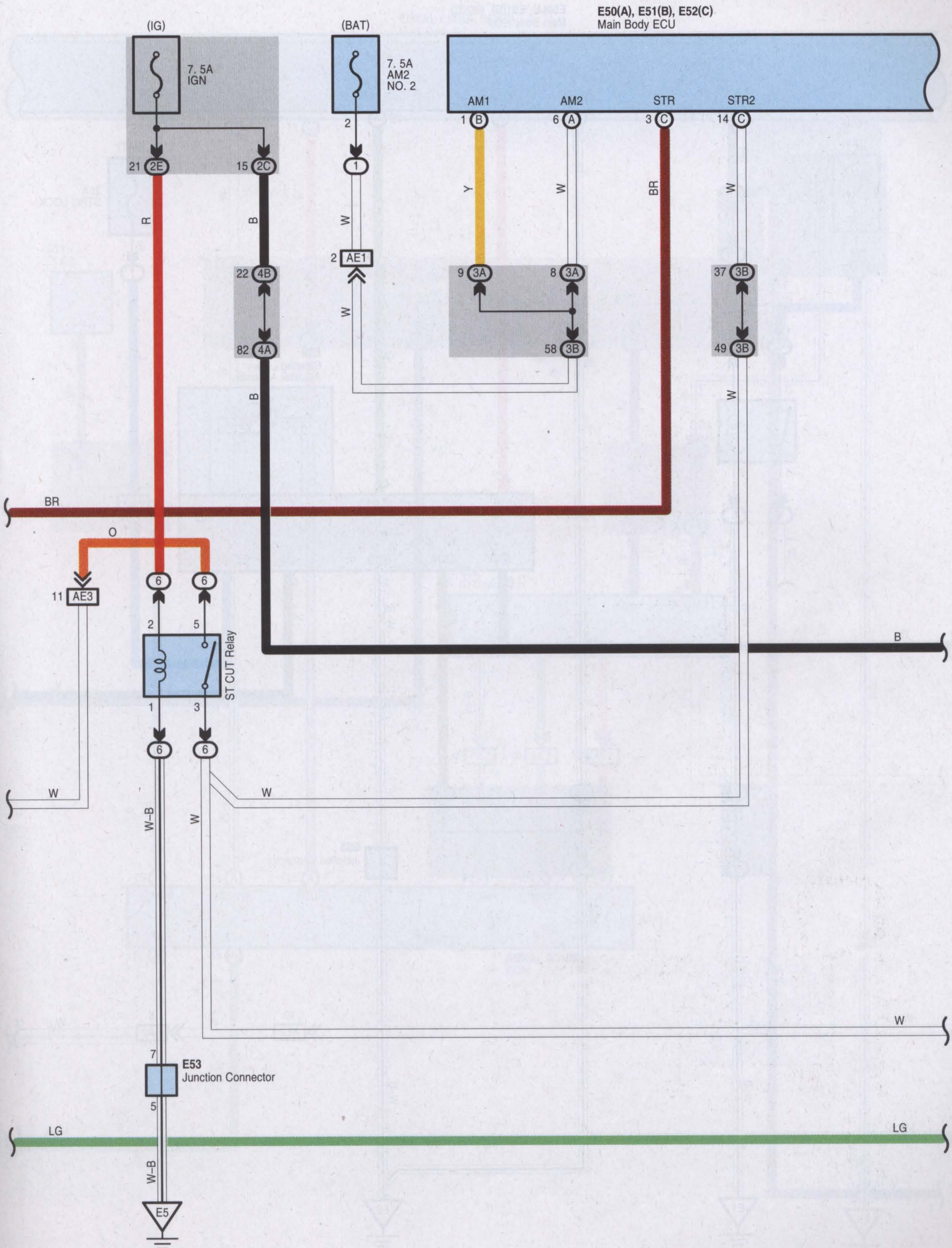
### □ : Connector Joining Wire Harness and Wire Harness

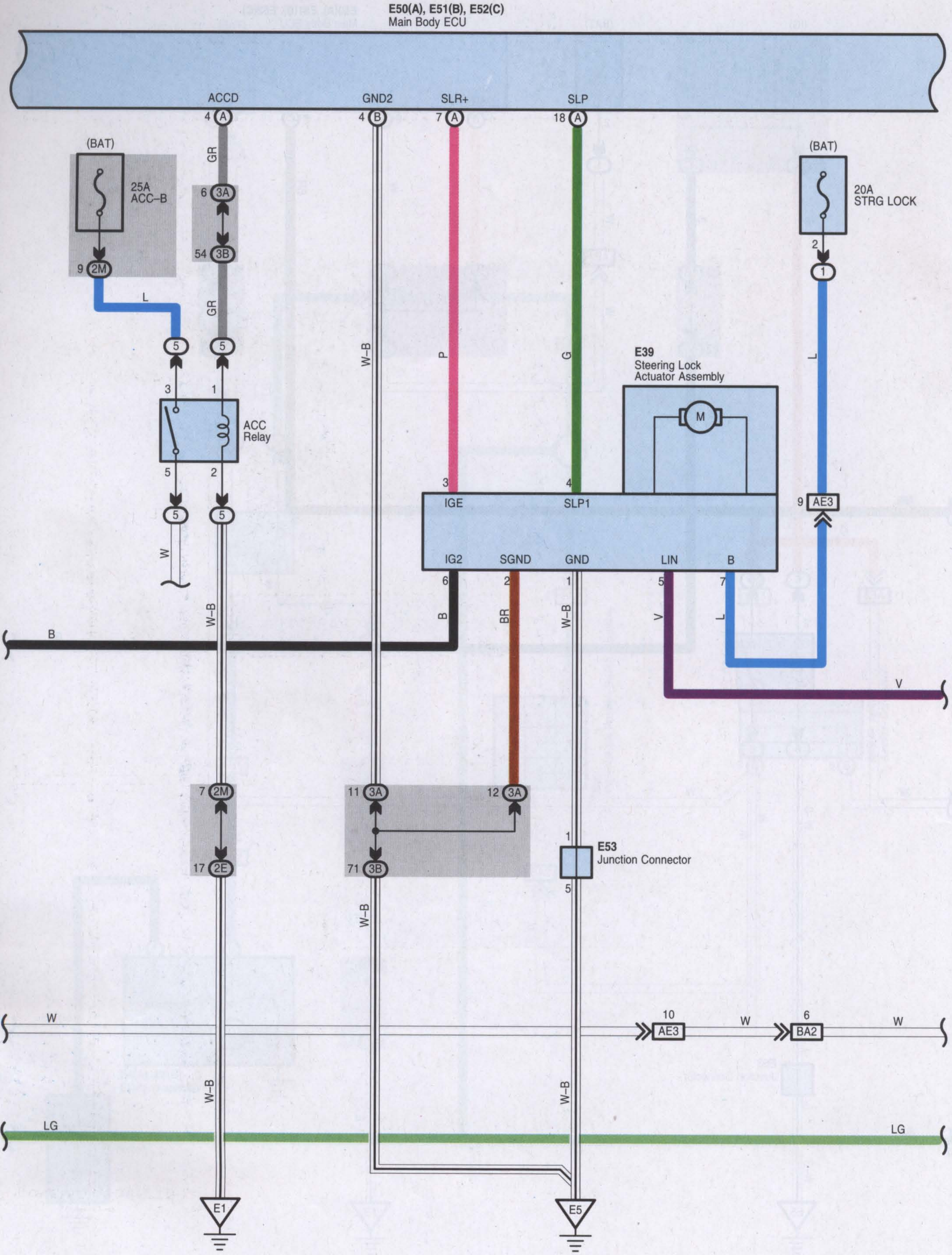
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE1 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE3 | | |

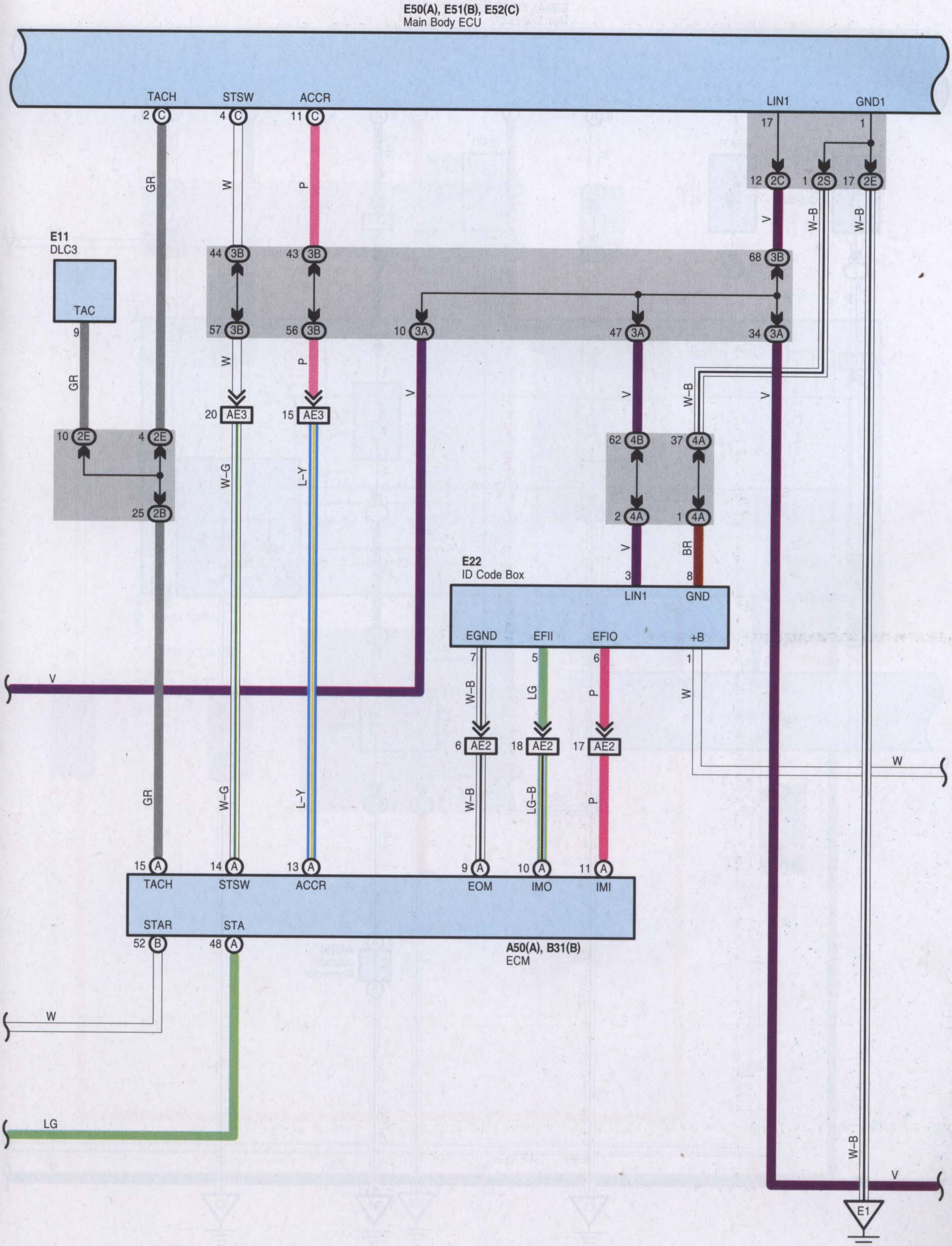
### ▽ : Ground Points

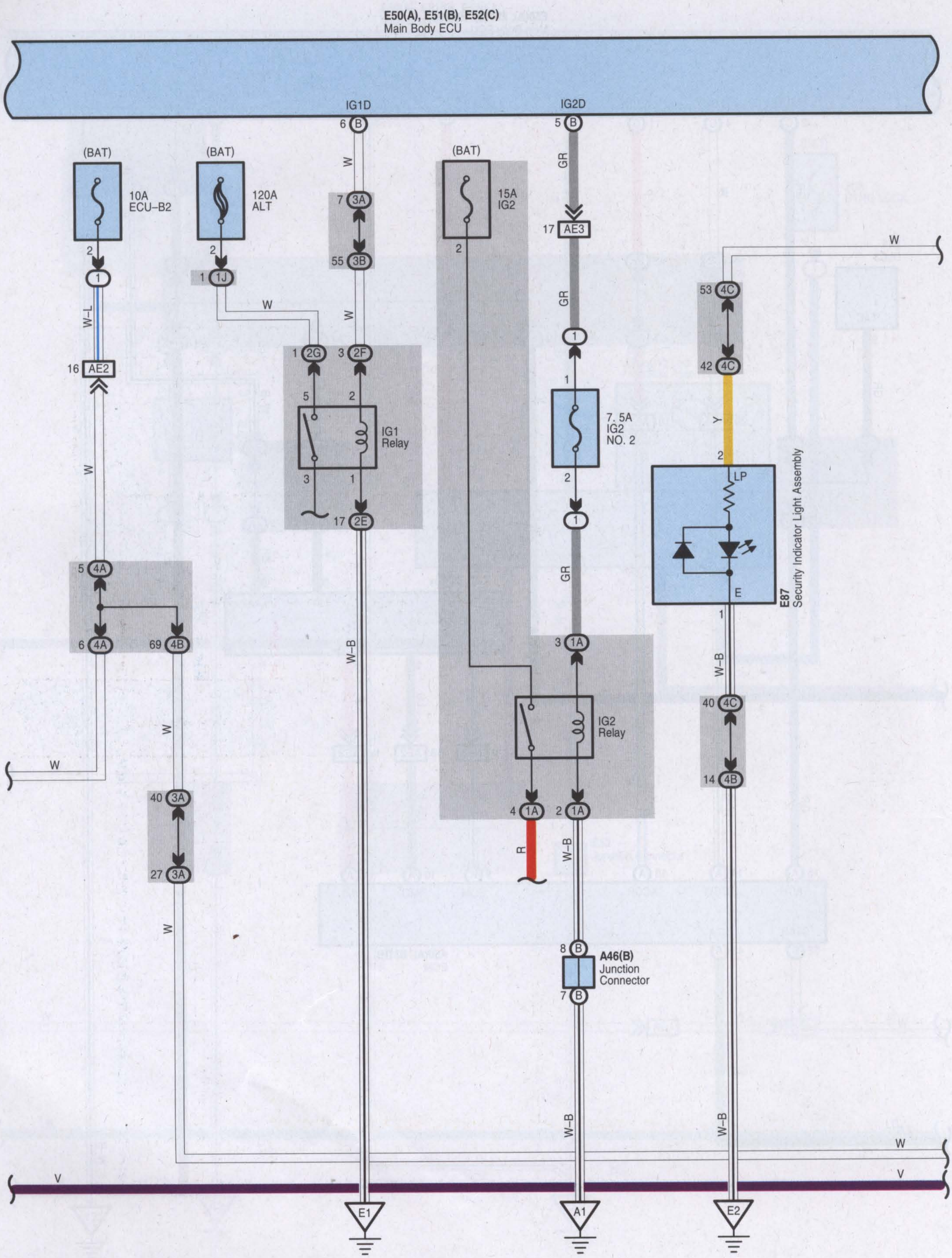
| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |
| E5 | 65 | Instrument Panel Brace LH |

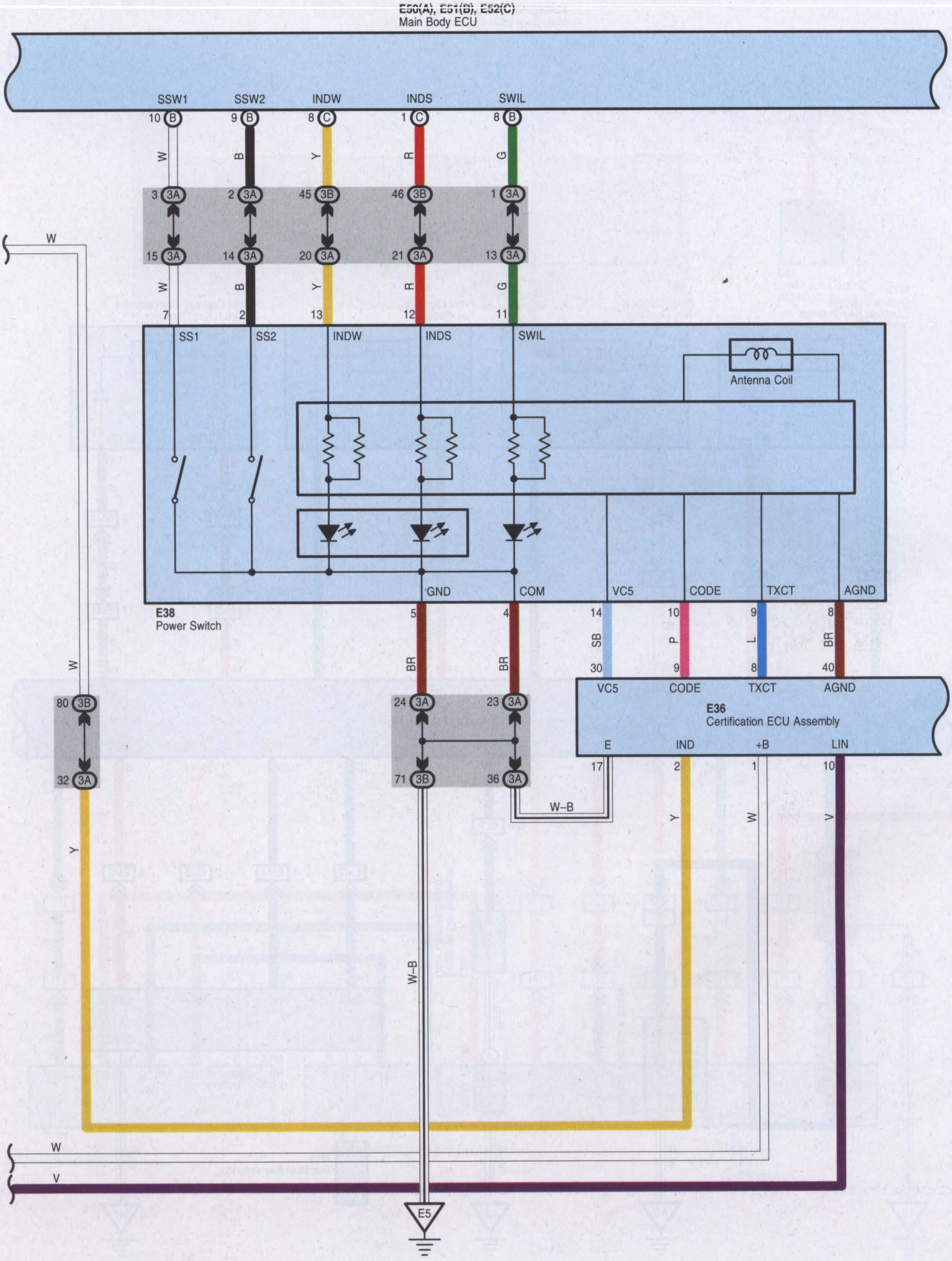

(BAT)
30A
AM2
W
AE1
LG
AE3
5
ST
Relay
L
BA2
W-B
4A
2S
2E
E1
B4(A), B8(B)
Starter Assembly
M
B
Battery
B88
Park/Neutral Position Switch Assembly
P
N
BR
A45(A), A46(B)
Junction Connector

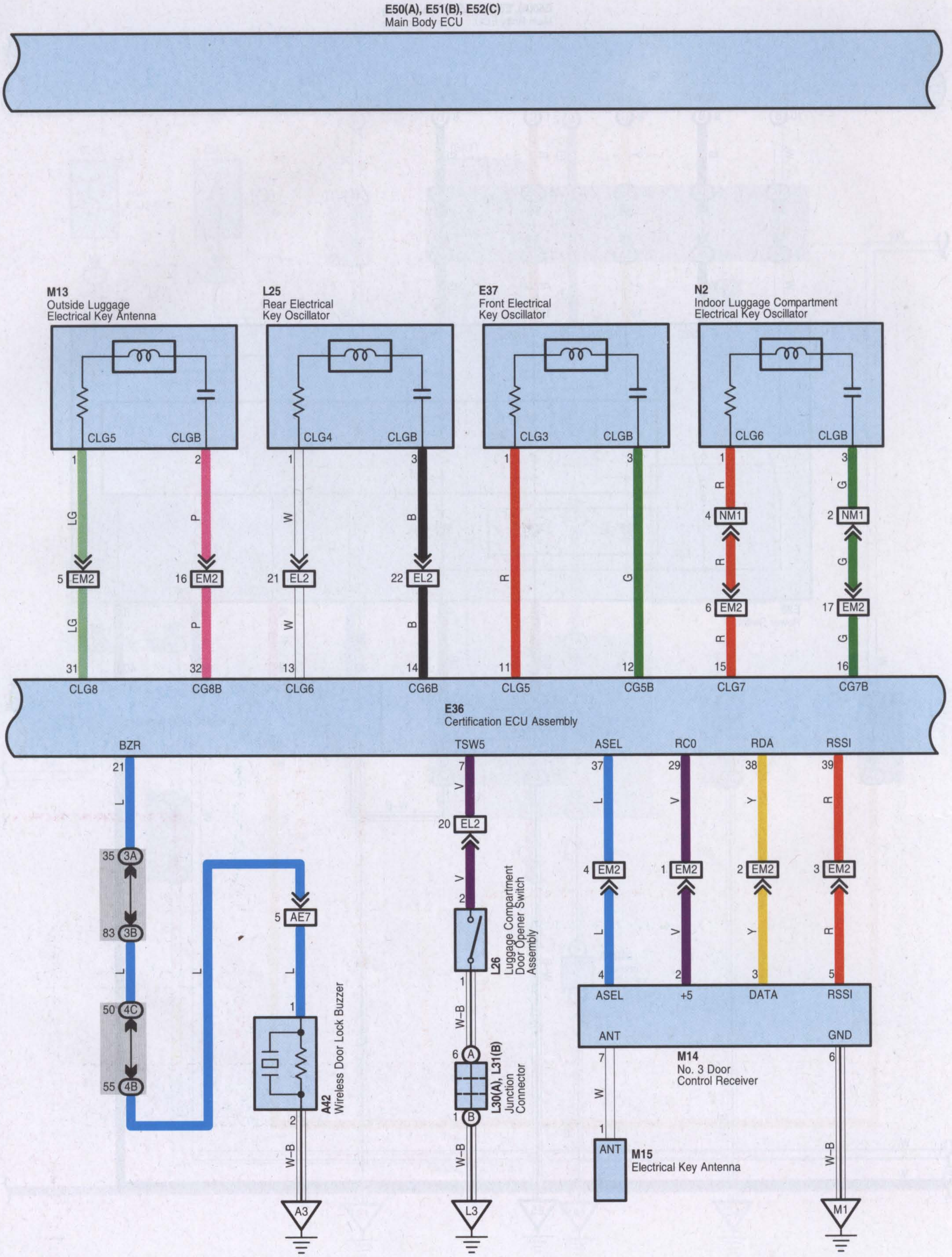

(IG)
7. 5A
IGN
(BAT)
7. 5A
AM2
NO. 2
E50(A), E51(B), E52(C)
Main Body ECU
AM1
AM2
STR
STR2
1 B
6 A
3 C
14 C
21 2E
15 2C
2
1
R
B
W
Y
W
BR
W
2 AE1
W
22 4B
82 4A
9 3A
8 3A
58 3B
37 3B
49 3B
B
W
BR
O
B
11 AE3
6
6
2
5
1
3
ST CUT Relay
6
6
W
W
W-B
W
W
7
E53
Junction Connector
5
LG
LG
W-B
E5

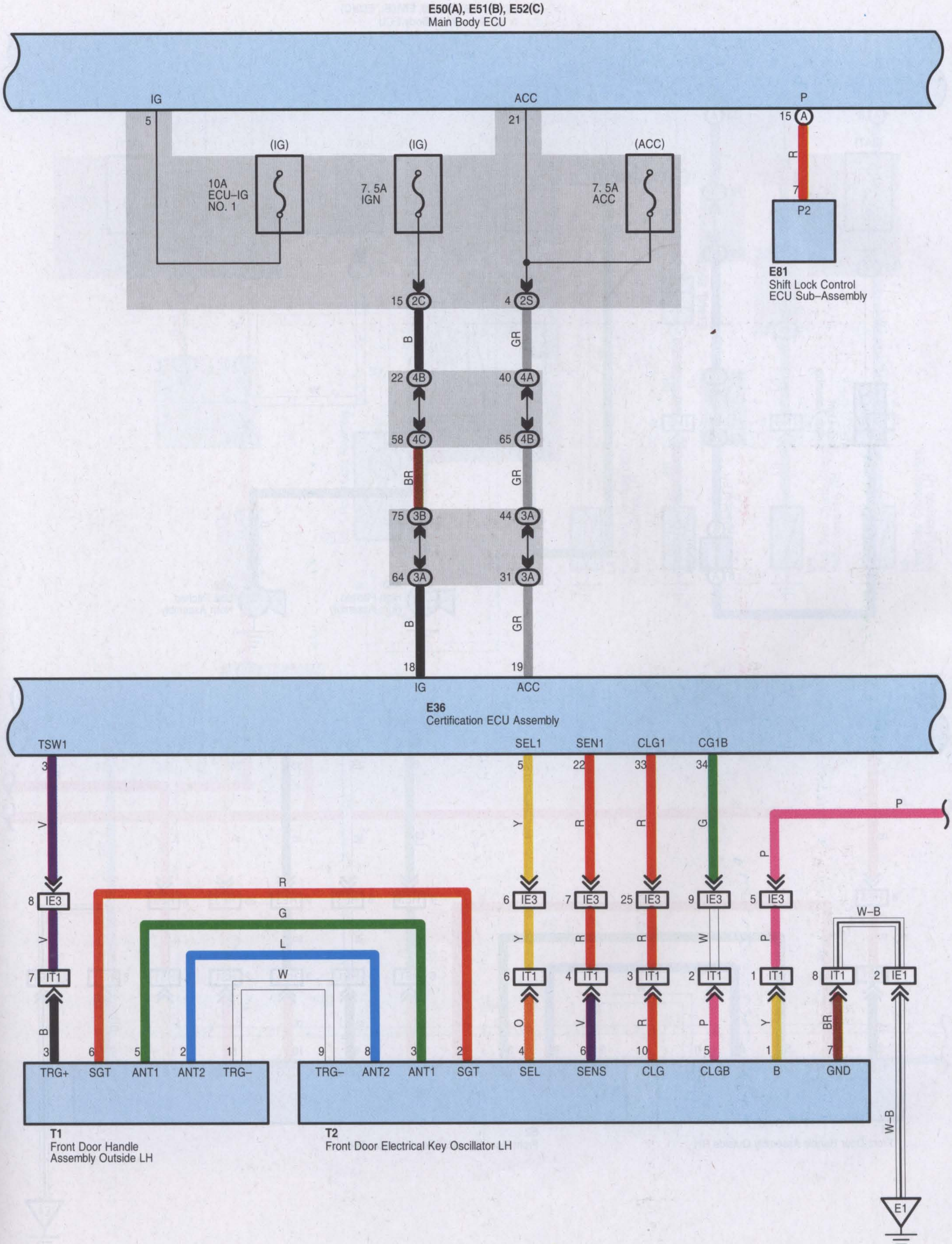

E50(A), E51(B), E52(C)
Main Body ECU
ACCD
GND2
SLR+
SLP
4 A
4 B
7 A
18 A
(BAT)
25A
ACC-B
9 2M
GR
6 3A
54 3B
L
5
5
3
1
ACC
Relay
5
2
5
5
W
W-B
P
G
(BAT)
20A
STRG LOCK
2
1
L
E39
Steering Lock
Actuator Assembly
M
3
4
IGE
SLP1
9 AE3
IG2
SGND
GND
LIN
B
6
2
1
5
7
B
BR
W-B
V
L
B
V
7 2M
17 2E
11 3A
12 3A
71 3B
1
E53
Junction Connector
5
W
10 AE3
W
6 BA2
W
LG
LG
E1
E5

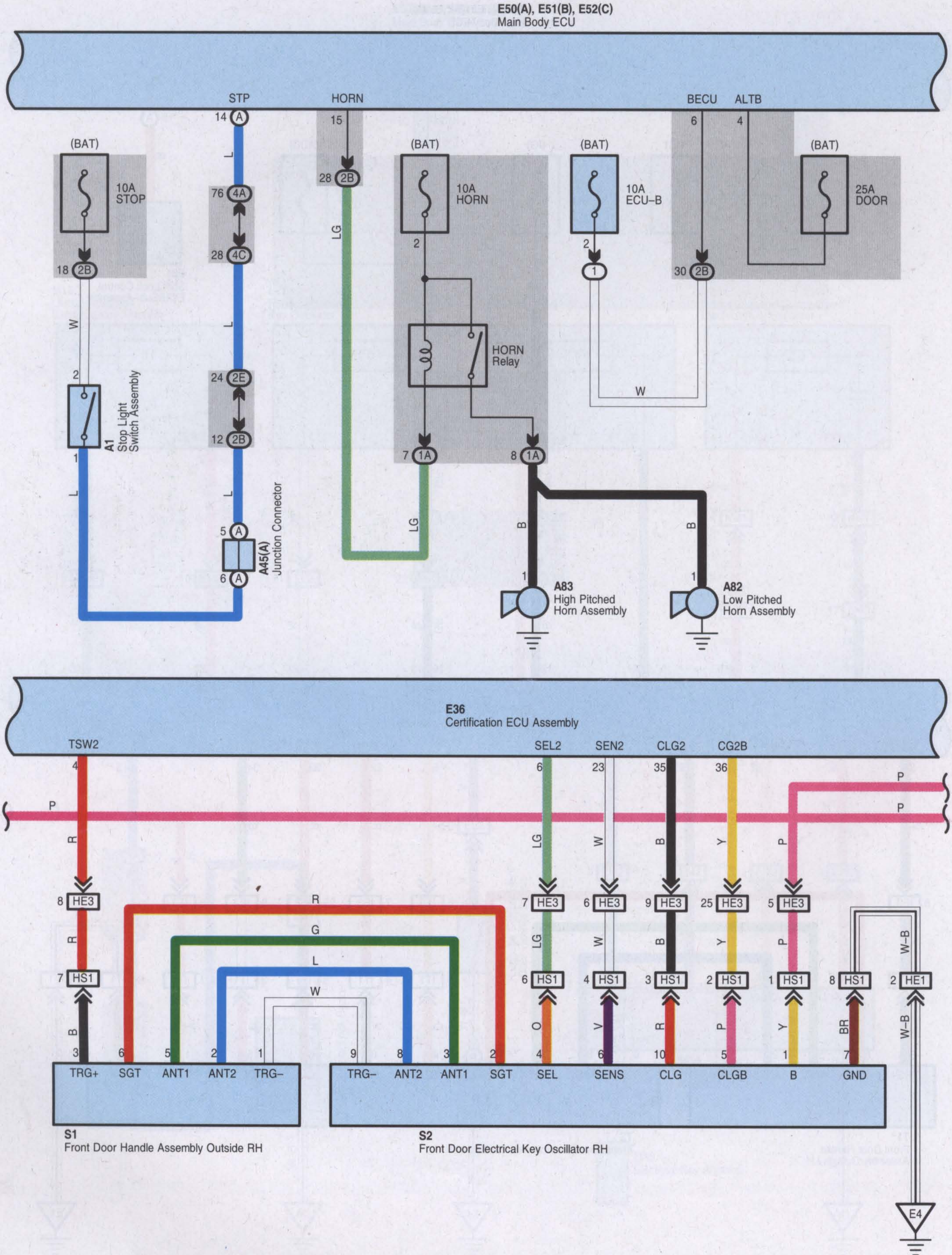

E50(A), E51(B), E52(C)
Main Body ECU
TACH
STSW
ACCR
LIN1
GND1
E11
DLC3
TAC
E22
ID Code Box
LIN1
GND
EGND
EFII
EFIO
+B
TACH
STSW
ACCR
EOM
IMO
IMI
STAR
STA
A50(A), B31(B)
ECM
E1

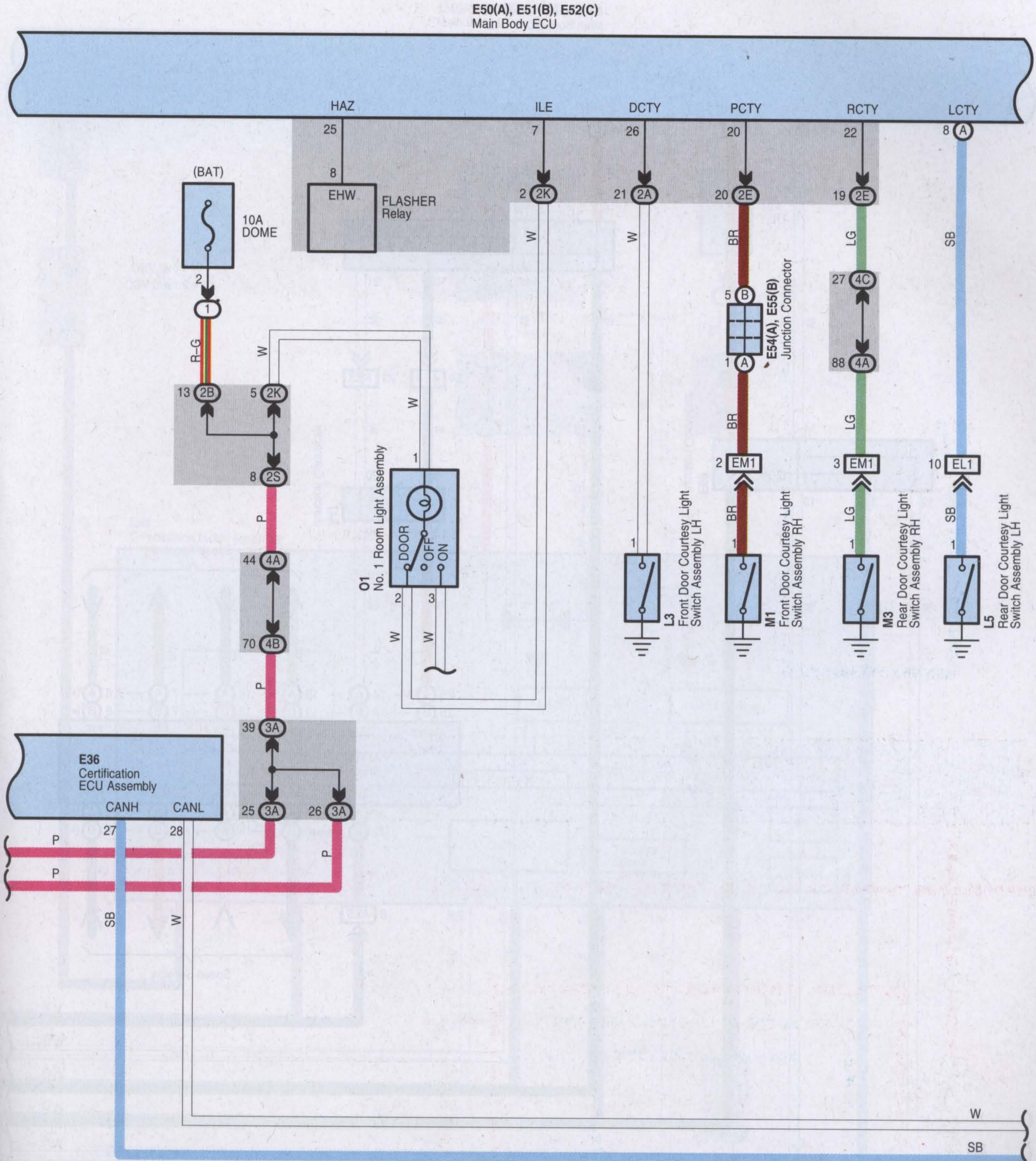

E50(A), E51(B), E52(C)
Main Body ECU
IG1D
IG2D
(BAT)
10A
ECU-B2
(BAT)
120A
ALT
(BAT)
15A
IG2
AE3
7. 5A
IG2
NO. 2
IG1
Relay
IG2
Relay
LP
E
E87
Security Indicator Light Assembly
A46(B)
Junction
Connector
AE2
E1
A1
E2
W-L
W
W-B
GR
Y
R
V

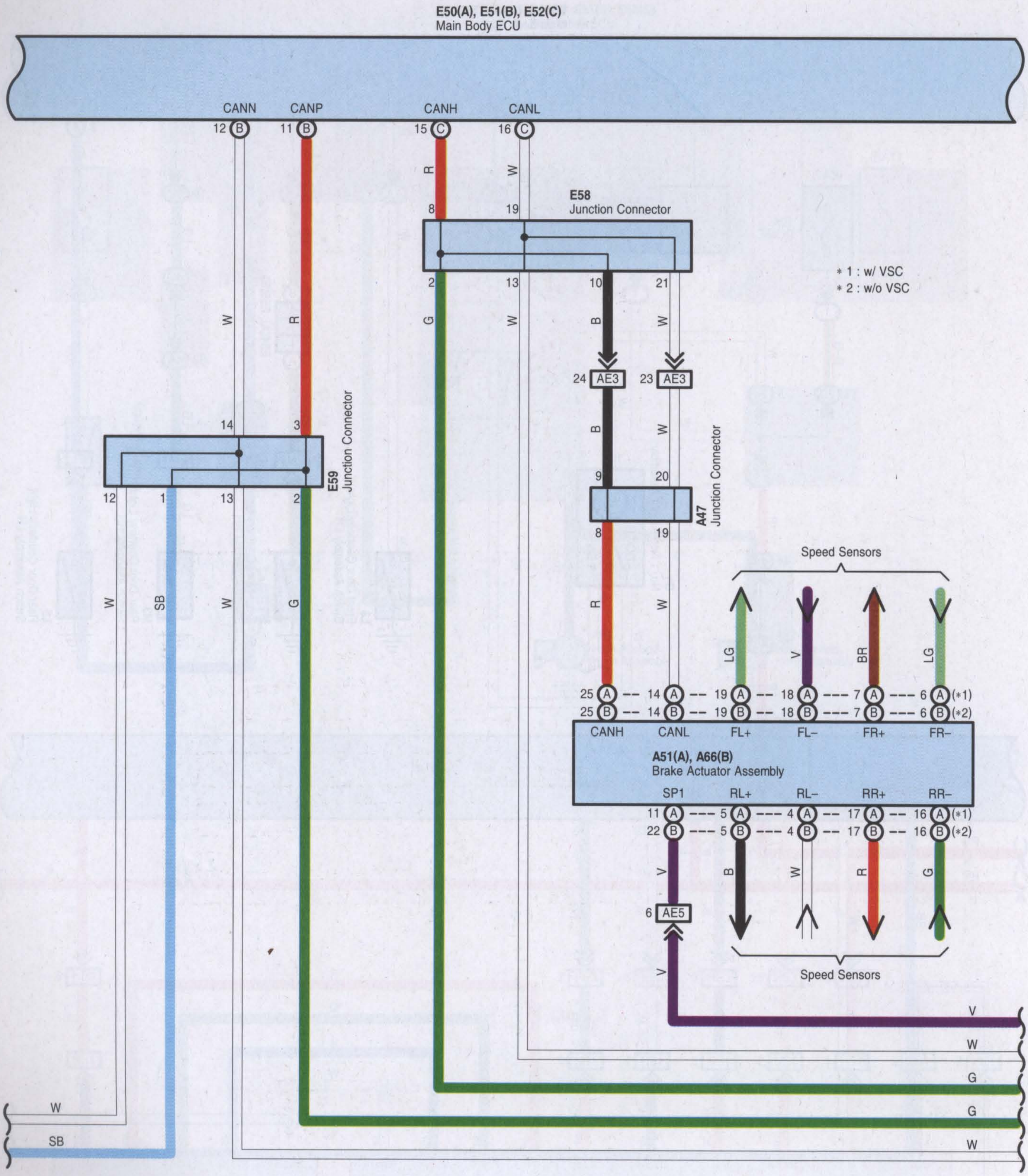

E50(A), E51(B), E52(C)
Main Body ECU
SSW1
SSW2
INDW
INDS
SWIL
E38
Power Switch
SS1
SS2
INDW
INDS
SWIL
Antenna Coil
GND
COM
VC5
CODE
TXCT
AGND
E36
Certification ECU Assembly
VC5
CODE
TXCT
AGND
E
IND
+B
LIN
E5
W
B
Y
R
G
BR
SB
P
L
V
W-B

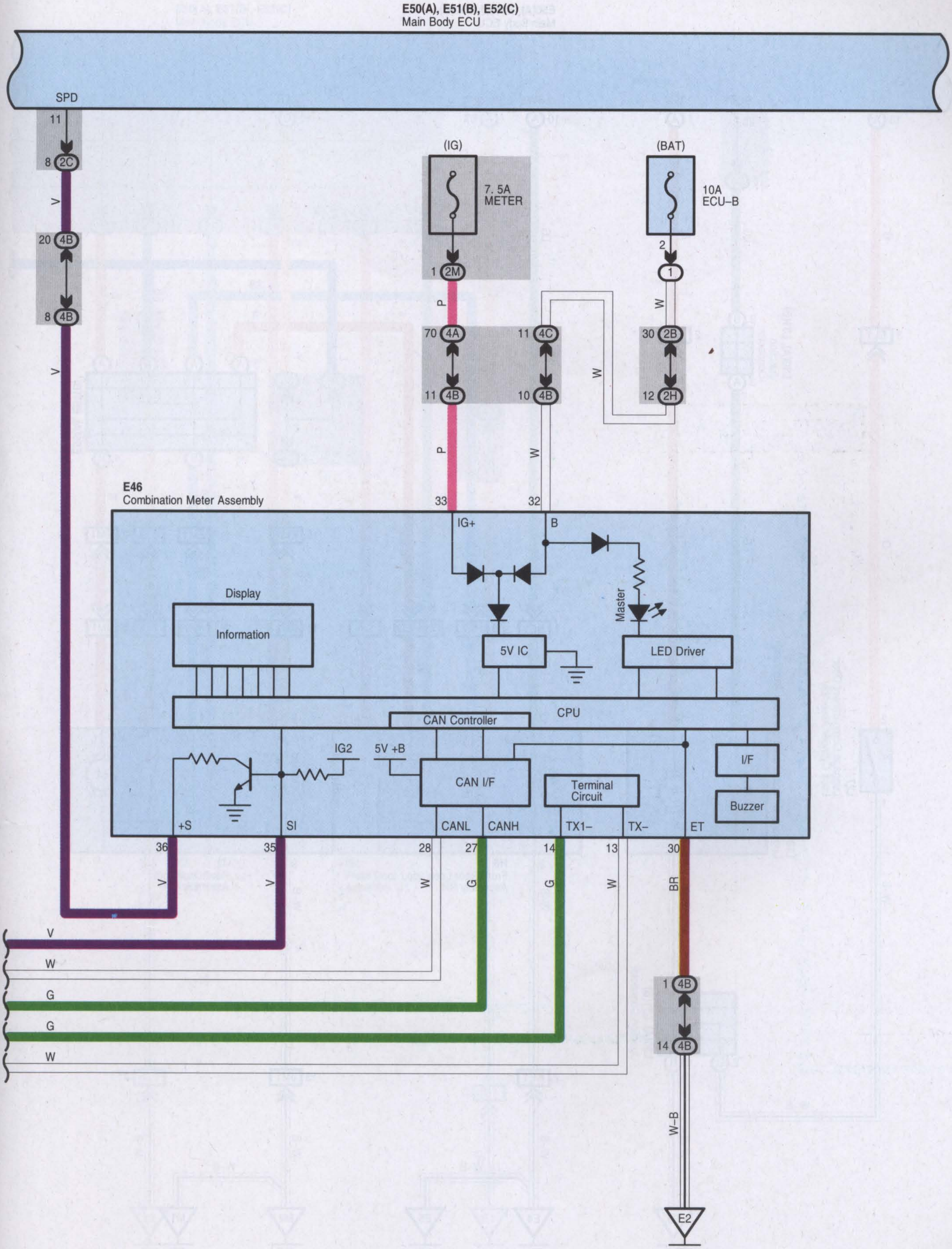

E50(A), E51(B), E52(C)
Main Body ECU
M13
Outside Luggage
Electrical Key Antenna
L25
Rear Electrical
Key Oscillator
E37
Front Electrical
Key Oscillator
N2
Indoor Luggage Compartment
Electrical Key Oscillator
CLG5
CLGB
CLG4
CLGB
CLG3
CLGB
CLG6
CLGB
LG
P
W
B
R
G
EM2
EL2
NM1
CLG8
CG8B
CLG6
CG6B
CLG5
CG5B
CLG7
CG7B
E36
Certification ECU Assembly
BZR
TSW5
ASEL
RC0
RDA
RSSI
L
V
Y
3A
3B
4C
4B
AE7
A42
Wireless Door Lock Buzzer
L26
Luggage Compartment
Door Opener Switch
Assembly
L30(A), L31(B)
Junction
Connector
W-B
A3
L3
ASEL
+5
DATA
RSSI
ANT
GND
M14
No. 3 Door
Control Receiver
ANT
M15
Electrical Key Antenna
M1

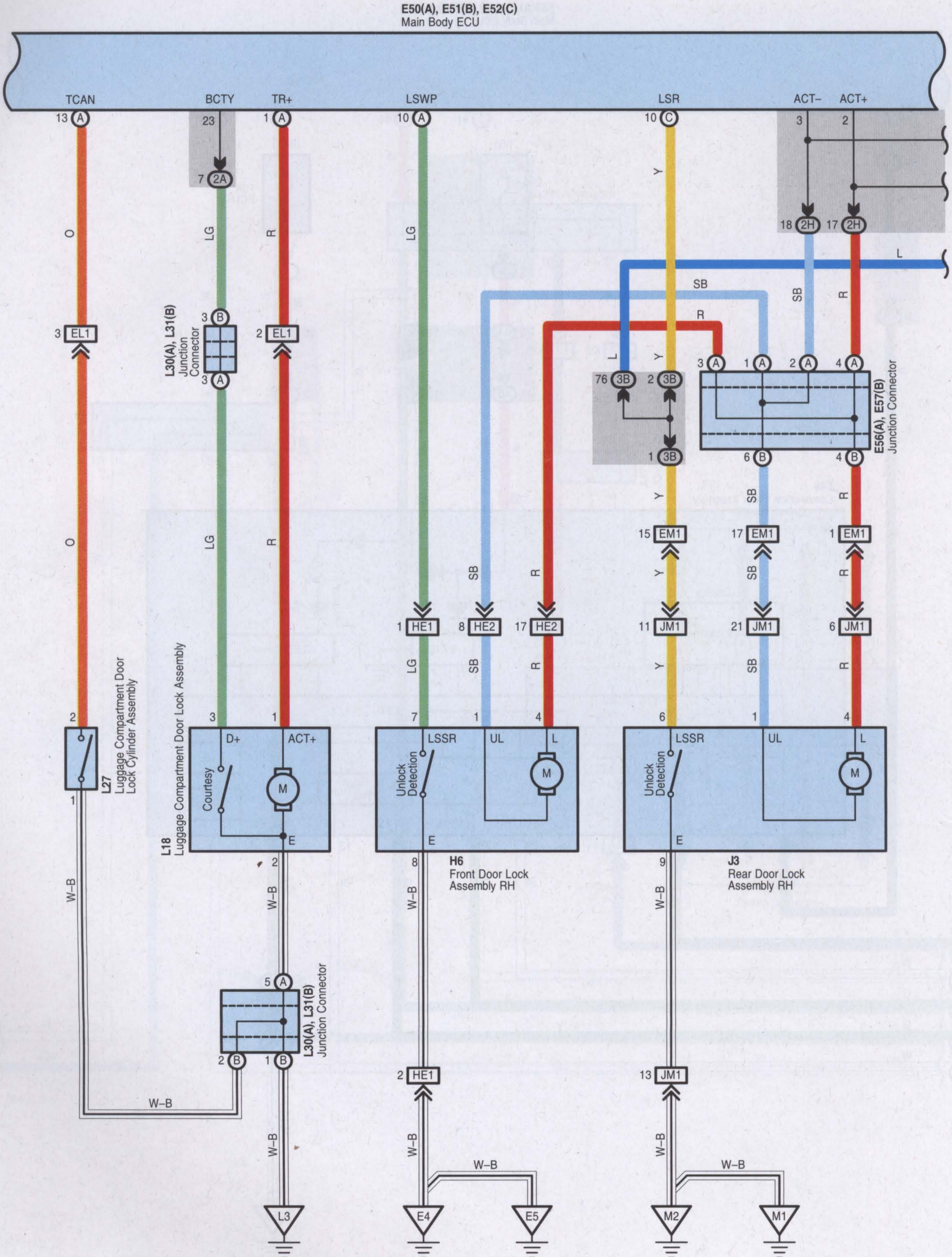

E50(A), E51(B), E52(C)
Main Body ECU
IG
ACC
P
5
21
15
A
(IG)
(IG)
(ACC)
10A
ECU–IG
NO. 1
7. 5A
IGN
7. 5A
ACC
R
7
P2
E81
Shift Lock Control
ECU Sub–Assembly
15
2C
4
2S
B
GR
22
4B
40
4A
58
4C
65
4B
BR
GR
75
3B
44
3A
64
3A
31
3A
B
GR
18
19
IG
ACC
E36
Certification ECU Assembly
TSW1
SEL1
SEN1
CLG1
CG1B
3
5
22
33
34
V
Y
R
R
G
P
P
R
G
L
W
8
IE3
6
IE3
7
IE3
25
IE3
9
IE3
5
IE3
W–B
V
Y
R
R
W
P
7
IT1
6
IT1
4
IT1
3
IT1
2
IT1
1
IT1
8
IT1
2
IE1
B
O
V
R
P
Y
BR
3
6
5
2
1
9
8
3
2
4
6
10
5
1
7
TRG+
SGT
ANT1
ANT2
TRG–
TRG–
ANT2
ANT1
SGT
SEL
SENS
CLG
CLGB
B
GND
W–B
T1
Front Door Handle
Assembly Outside LH
T2
Front Door Electrical Key Oscillator LH
E1

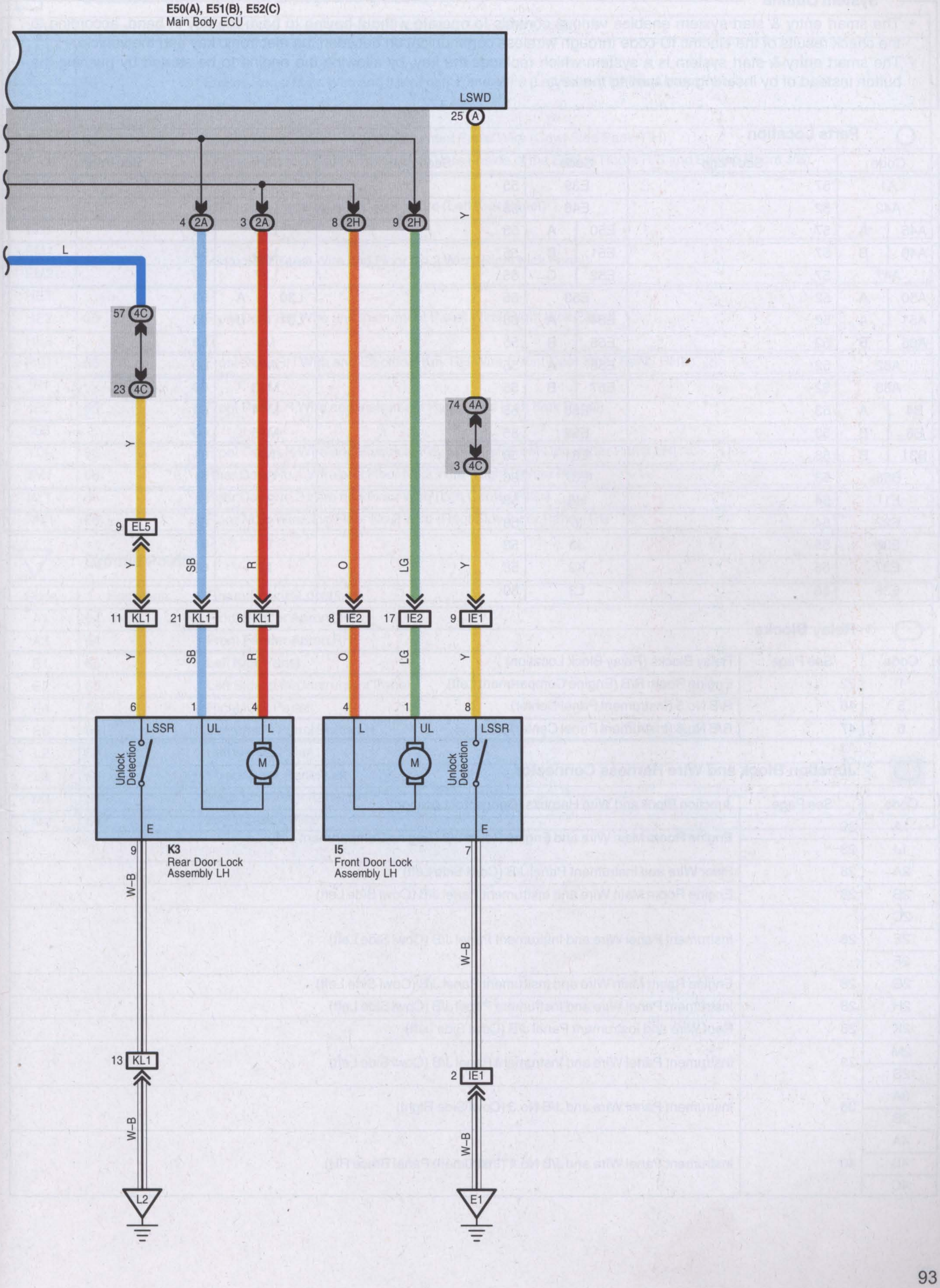

E50(A), E51(B), E52(C)
Main Body ECU
STP
HORN
BECU
ALTB
(BAT)
10A STOP
10A HORN
10A ECU-B
25A DOOR
HORN Relay
A1 Stop Light Switch Assembly
A45(A) Junction Connector
A83 High Pitched Horn Assembly
A82 Low Pitched Horn Assembly
E36
Certification ECU Assembly
TSW2
SEL2
SEN2
CLG2
CG2B
HE3
HS1
HE1
TRG+
SGT
ANT1
ANT2
TRG-
SEL
SENS
CLG
CLGB
B
GND
S1
Front Door Handle Assembly Outside RH
S2
Front Door Electrical Key Oscillator RH
E4


E50(A), E51(B), E52(C)
Main Body ECU
HAZ
ILE
DCTY
PCTY
RCTY
LCTY
(BAT)
10A
DOME
EHW
FLASHER
Relay
O1
No. 1 Room Light Assembly
DOOR
OFF
ON
E54(A), E55(B)
Junction Connector
L3
Front Door Courtesy Light
Switch Assembly LH
M1
Front Door Courtesy Light
Switch Assembly RH
M3
Rear Door Courtesy Light
Switch Assembly RH
L5
Rear Door Courtesy Light
Switch Assembly LH
E36
Certification
ECU Assembly
CANH
CANL
EM1
EL1
R-G
W
BR
LG
SB
P


E50(A), E51(B), E52(C)
Main Body ECU
CANN
CANP
CANH
CANL
E58
Junction Connector
E59
Junction Connector
A47
Junction Connector
AE3
AE5
＊1 : w/ VSC
＊2 : w/o VSC
Speed Sensors
A51(A), A66(B)
Brake Actuator Assembly
CANH
CANL
FL+
FL−
FR+
FR−
SP1
RL+
RL−
RR+
RR−
Speed Sensors


E50(A), E51(B), E52(C)
Main Body ECU
SPD
11
8 2C
V
20 4B
8 4B
V
(IG)
7. 5A
METER
1 2M
P
70 4A
11 4B
P
11 4C
10 4B
W
(BAT)
10A
ECU–B
2
1
W
W
30 2B
12 2H
E46
Combination Meter Assembly
33
32
IG+
B
Display
Information
Master
5V IC
LED Driver
CPU
CAN Controller
IG2
5V +B
CAN I/F
Terminal
Circuit
I/F
Buzzer
+S
SI
CANL
CANH
TX1–
TX–
ET
36
35
28
27
14
13
30
V
V
W
G
G
W
BR
V
W
G
G
W
1 4B
14 4B
W–B
E2


E50(A), E51(B), E52(C)
Main Body ECU
TCAN
BCTY
TR+
LSWP
LSR
ACT−
ACT+
L30(A), L31(B)
Junction Connector
E56(A), E57(B)
Junction Connector
L27
Luggage Compartment Door Lock Cylinder Assembly
L18
Luggage Compartment Door Lock Assembly
Courtesy
D+
ACT+
Unlock Detection
LSSR
UL
L
H6
Front Door Lock Assembly RH
J3
Rear Door Lock Assembly RH
L3
E4
E5
M2
M1


E50(A), E51(B), E52(C)
Main Body ECU
LSWD
25 A
4 2A
3 2A
8 2H
9 2H
L
57 4C
23 4C
74 4A
3 4C
Y
SB
R
O
LG
9 EL5
11 KL1
21 KL1
6 KL1
8 IE2
17 IE2
9 IE1
LSSR
UL
L
M
Unlock Detection
E
K3
Rear Door Lock Assembly LH
I5
Front Door Lock Assembly LH
W-B
13 KL1
2 IE1
L2
E1

## System Outline

* ∗ The smart entry & start system enables various controls to operate without having to have the key in hand, according to the check results of the electric ID code through wireless communication between the electronic key and the vehicle.
* ∗ The smart entry & start system is a system which replaces the key, by allowing the engine to be started by pushing the button instead of by inserting and turning the key.

### ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| A1 | 57 | E39 | 55 | L5 | 59 |
| A42 | 52 | E46 | 55 | L18 | 59 |
| A45 A | 57 | E50 A | 55 | L25 | 59 |
| A46 B | 57 | E51 B | 55 | L26 | 59 |
| A47 | 57 | E52 C | 55 | L27 | 59 |
| A50 A | 52 | E53 | 55 | L30 A | 59 |
| A51 A | 52 | E54 A | 55 | L31 B | 59 |
| A66 B | 52 | E55 B | 55 | M1 | 60 |
| A82 | 52 | E56 A | 55 | M3 | 60 |
| A83 | 52 | E57 B | 55 | M13 | 60 |
| B4 A | 53 | E58 | 55 | M14 | 60 |
| B8 B | 53 | E59 | 55 | M15 | 60 |
| B31 B | 53 | E81 | 56 | N2 | 61 |
| B88 | 53 | E87 | 56 | O1 | 61 |
| E11 | 54 | H6 | 58 | S1 | 61 |
| E22 | 54 | I5 | 58 | S2 | 61 |
| E36 | 55 | J3 | 58 | T1 | 61 |
| E37 | 55 | K3 | 58 | T2 | 61 |
| E38 | 55 | L3 | 59 | | |

### ▢ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |
| 5 | 46 | R/B No.5 (Instrument Panel Center) |
| 6 | 47 | R/B No.6 (Instrument Panel Center) |

### ▢ : Junction Block and Wire Harness Connector

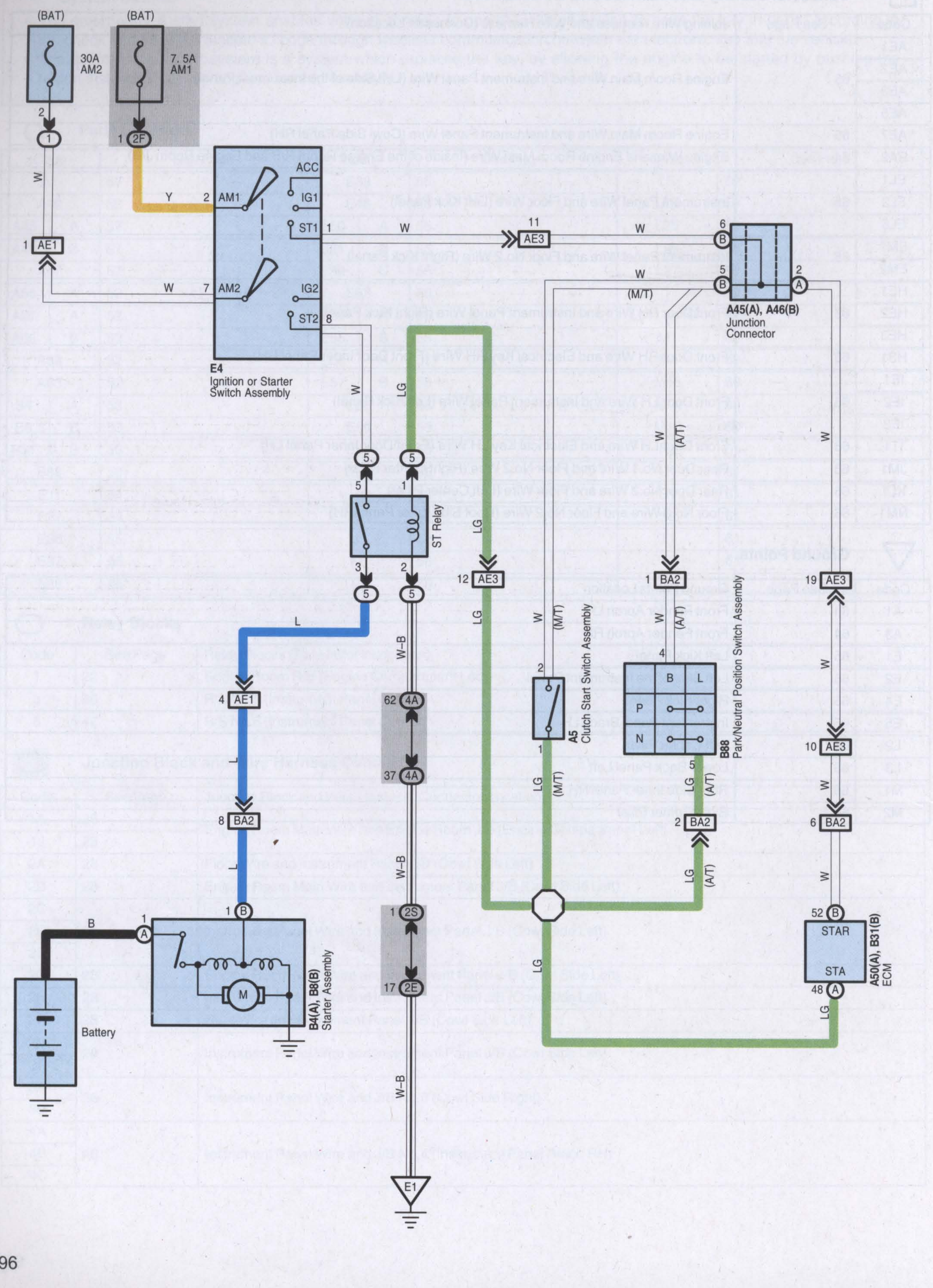
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1A | 26 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 1J | 23 | |
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2C | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | | |
| 2F | | |
| 2G | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2K | 28 | Roof Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2S | | |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE1 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE2 | | |
| AE3 | | |
| AE5 | | |
| AE7 | 65 | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH) |
| BA2 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| EL1 | 65 | Instrument Panel Wire and Floor Wire (Left Kick Panel) |
| EL2 | | |
| EL5 | | |
| EM1 | 65 | Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel) |
| EM2 | | |
| HE1 | 65 | Front Door RH Wire and Instrument Panel Wire (Right Kick Panel) |
| HE2 | | |
| HE3 | | |
| HS1 | 66 | Front Door RH Wire and Electrical Key RH Wire (Front Door Inner Panel RH) |
| IE1 | 65 | Front Door LH Wire and Instrument Panel Wire (Left Kick Panel) |
| IE2 | | |
| IE3 | | |
| IT1 | 66 | Front Door LH Wire and Electrical Key LH Wire (Front Door Inner Panel LH) |
| JM1 | 66 | Rear Door No.1 Wire and Floor No.2 Wire (Right Center Pillar) |
| KL1 | 66 | Rear Door No.2 Wire and Floor Wire (Left Center Pillar) |
| NM1 | 66 | Floor No.3 Wire and Floor No.2 Wire (Roof Side Inner Panel RH) |

## ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| A3 | 64 | Front Fender Apron RH |
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |
| E4 | 65 | Right Kick Panel |
| E5 | 65 | Instrument Panel Brace LH |
| L2 | 66 | Left Center Pillar |
| L3 | 66 | Lower Back Panel Left |
| M1 | 66 | Roof Side Inner Panel RH |
| M2 | 66 | Right Center Pillar |


(BAT)
(BAT)
30A AM2
7.5A AM1
AE1
AM1
AM2
ACC
IG1
ST1
IG2
ST2
E4
Ignition or Starter Switch Assembly
ST Relay
AE3
BA2
A45(A), A46(B)
Junction Connector
(M/T)
(A/T)
A5
Clutch Start Switch Assembly
B88
Park/Neutral Position Switch Assembly
STAR
STA
A50(A), B31(B)
ECM
B4(A), B8(B)
Starter Assembly
Battery
E1
W
Y
L
LG
W-B
B

○ : **Parts Location**

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A5 | | 57 | A50 | A | 52 | B31 | B | 53 |
| A45 | A | 57 | B4 | A | 53 | B88 | | 53 |
| A46 | B | 57 | B8 | B | 53 | E4 | | 54 |

: **Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |
| 5 | 46 | R/B No.5 (Instrument Panel Center) |

: **Junction Block and Wire Harness Connector**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2F | | |
| 2S | 29 | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

□ : **Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE1 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE3 | | |
| BA2 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |

▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |

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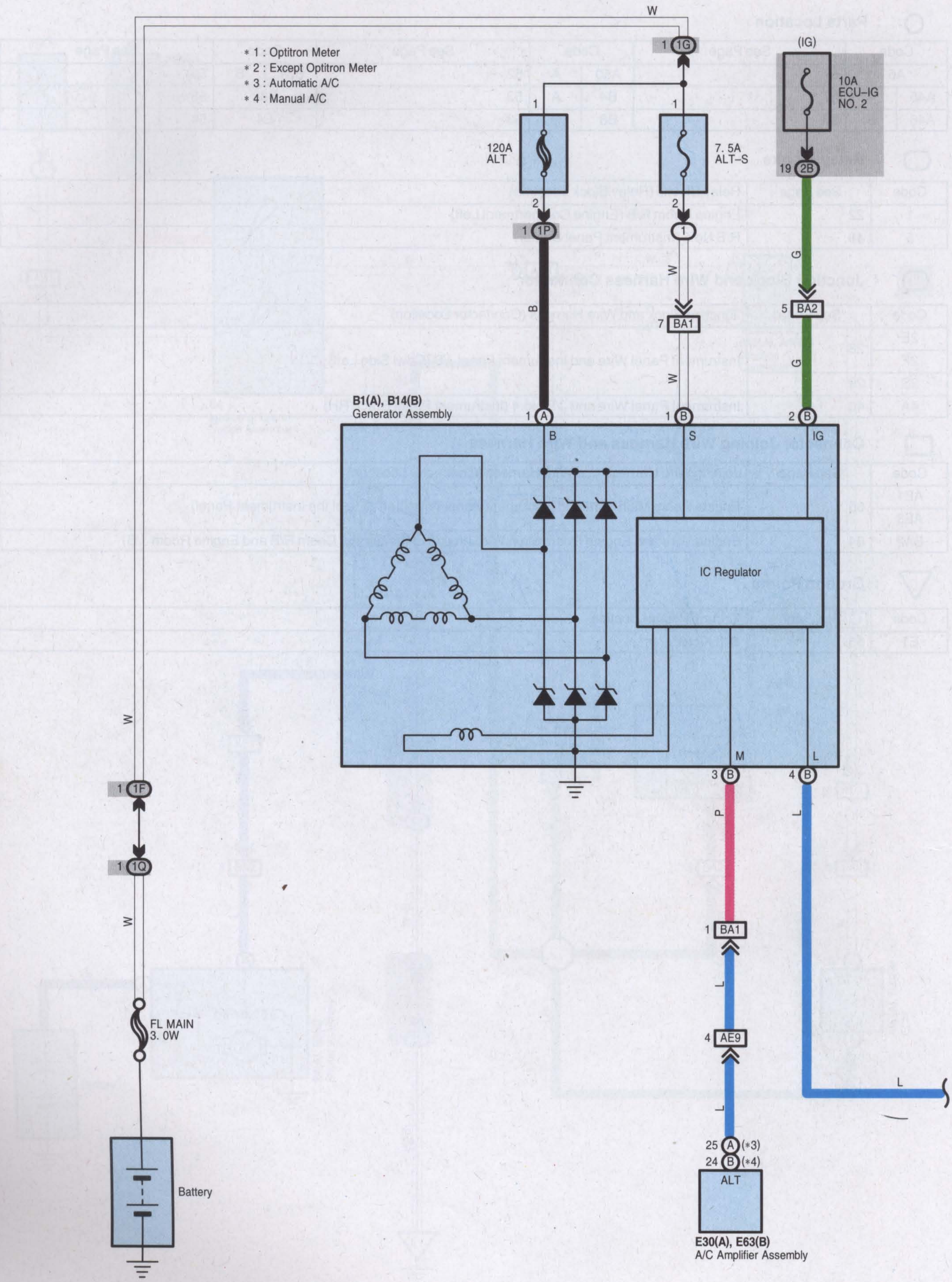
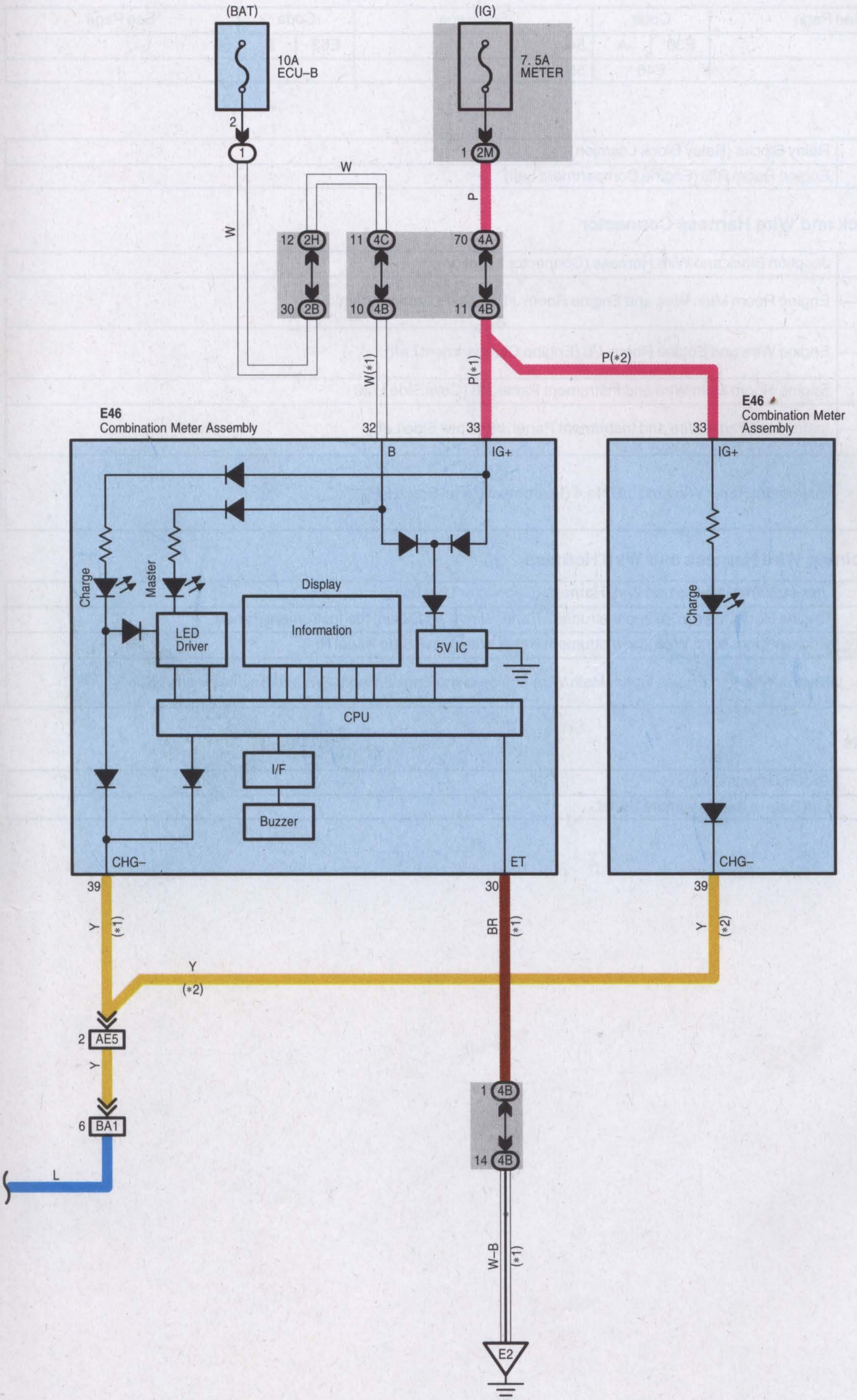


＊1 : Optitron Meter
＊2 : Except Optitron Meter
＊3 : Automatic A/C
＊4 : Manual A/C
W
1 1G
(IG)
10A
ECU-IG
NO. 2
120A
ALT
7. 5A
ALT-S
19 2B
1 1P
B
W
G
7 BA1
5 BA2
B1(A), B14(B)
Generator Assembly
1 A
1 B
2 B
B
S
IG
IC Regulator
M
L
3 B
4 B
P
L
1 BA1
4 AE9
25 A (＊3)
24 B (＊4)
ALT
E30(A), E63(B)
A/C Amplifier Assembly
1 1F
1 1Q
FL MAIN
3. 0W
Battery


(BAT)
10A
ECU–B
(IG)
7. 5A
METER
W
P
P(*1)
P(*2)
W(*1)
E46
Combination Meter Assembly
E46
Combination Meter
Assembly
B
IG+
Charge
Master
LED
Driver
Display
Information
5V IC
CPU
I/F
Buzzer
CHG–
ET
Y
(*1)
(*2)
BR
AE5
BA1
L
W–B
E2

## ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| B1 | A | 53 | E30 | A | 54 | E63 | B | 56 |
| B14 | B | 53 | E46 | | 55 | | | |

## ▢ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

## ▢ : Junction Block and Wire Harness Connector

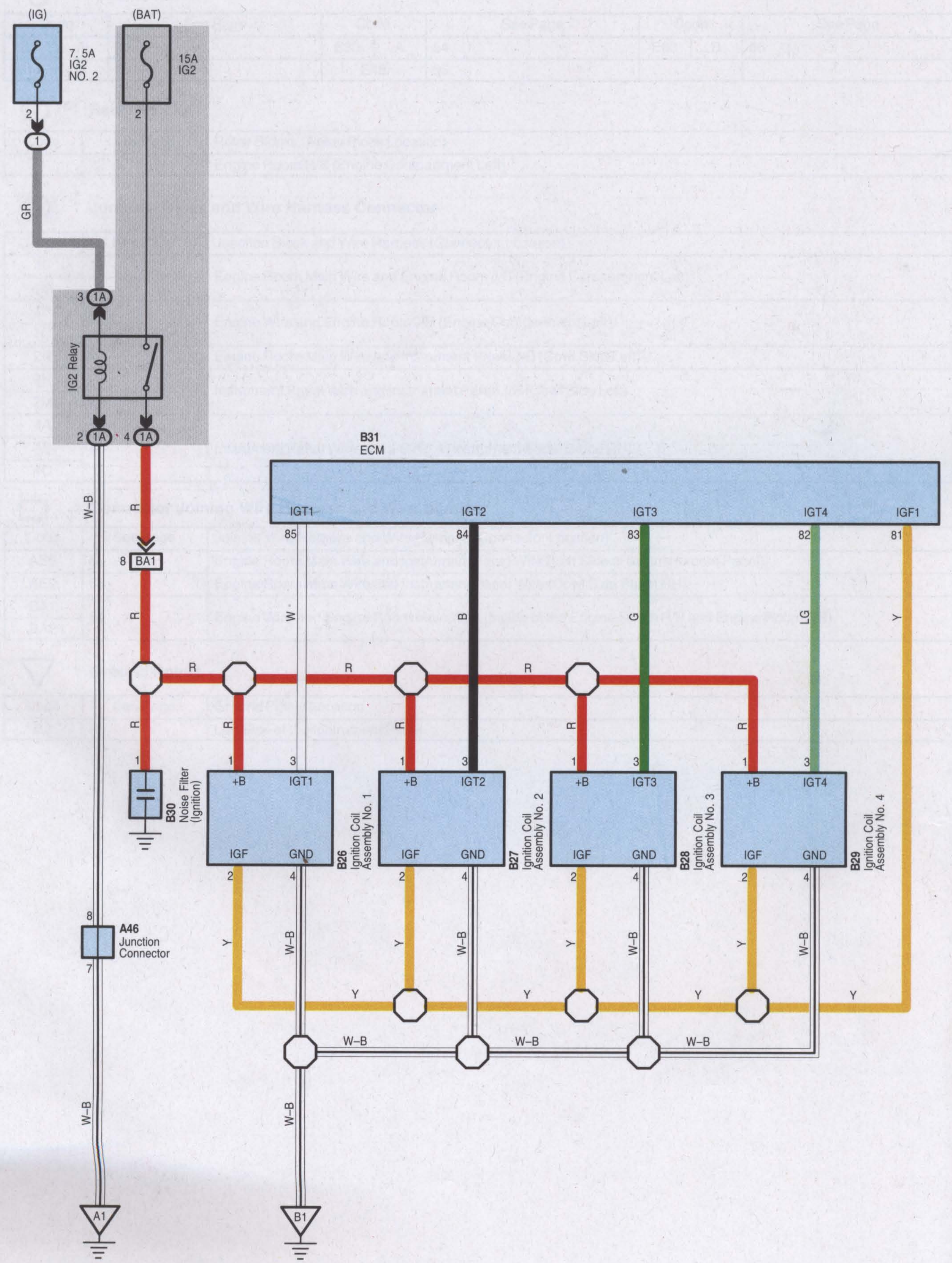
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1F | 22 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 1G | 23 | |
| 1P | 23 | Engine Wire and Engine Room J/B (Engine Compartment Left) |
| 1Q | 22 | |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE5 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE9 | 65 | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH) |
| BA1 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| BA2 | | |

## ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| E2 | 65 | Left Side of the Instrument Panel |


(IG)
(BAT)
7. 5A
IG2
NO. 2
15A
IG2
GR
IG2 Relay
1A
B31
ECM
IGT1
IGT2
IGT3
IGT4
IGF1
85
84
83
82
81
W–B
R
BA1
W
B
G
LG
Y
+B
IGF
GND
B30
Noise Filter
(Ignition)
B26
Ignition Coil
Assembly No. 1
B27
Ignition Coil
Assembly No. 2
B28
Ignition Coil
Assembly No. 3
B29
Ignition Coil
Assembly No. 4
A46
Junction
Connector
A1
B1

## : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| A46 | 57 | B28 | 53 | B31 | 53 |
| B26 | 53 | B29 | 53 | | |
| B27 | 53 | B30 | 53 | | |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

## : Junction Block and Wire Harness Connector

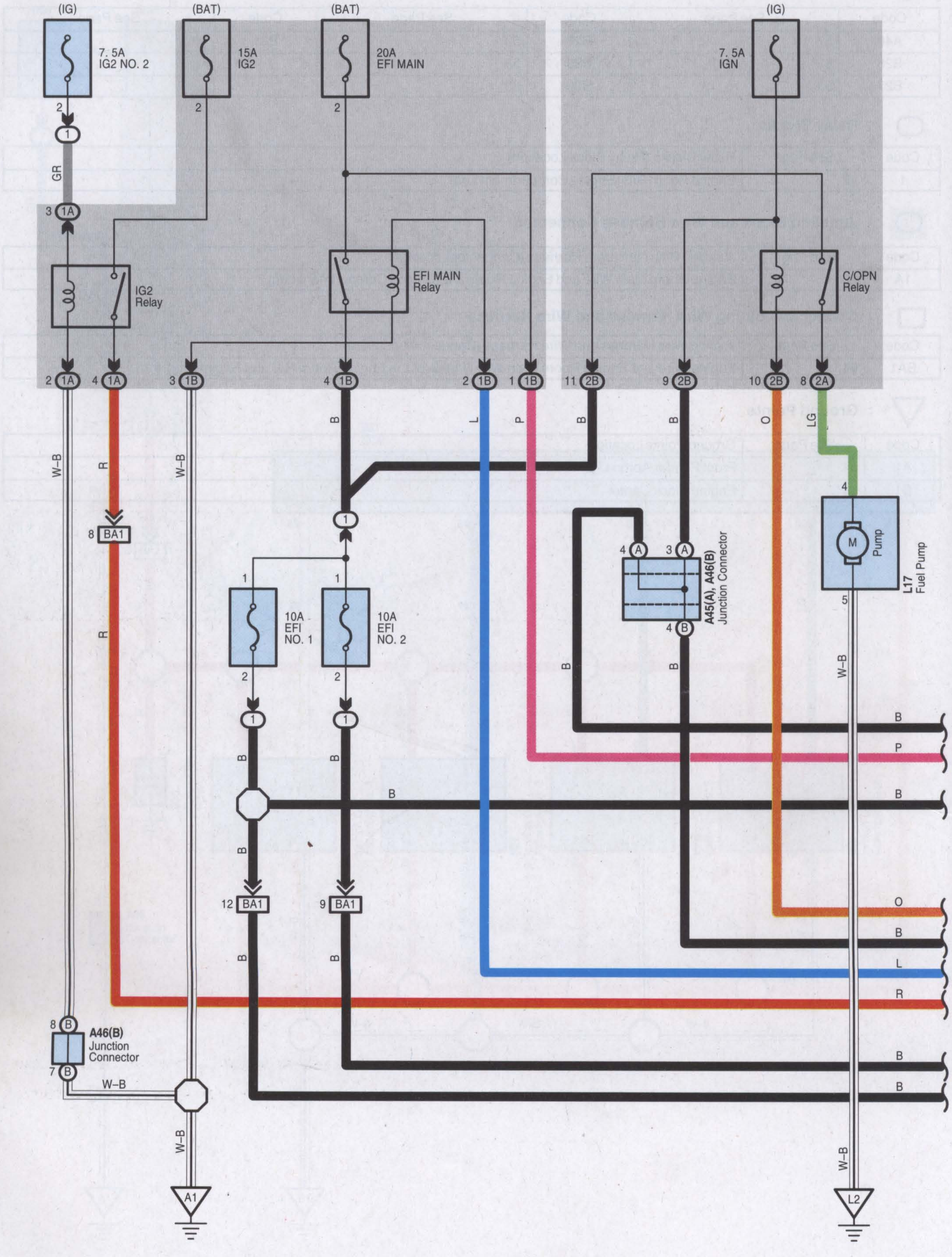
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1A | 26 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |

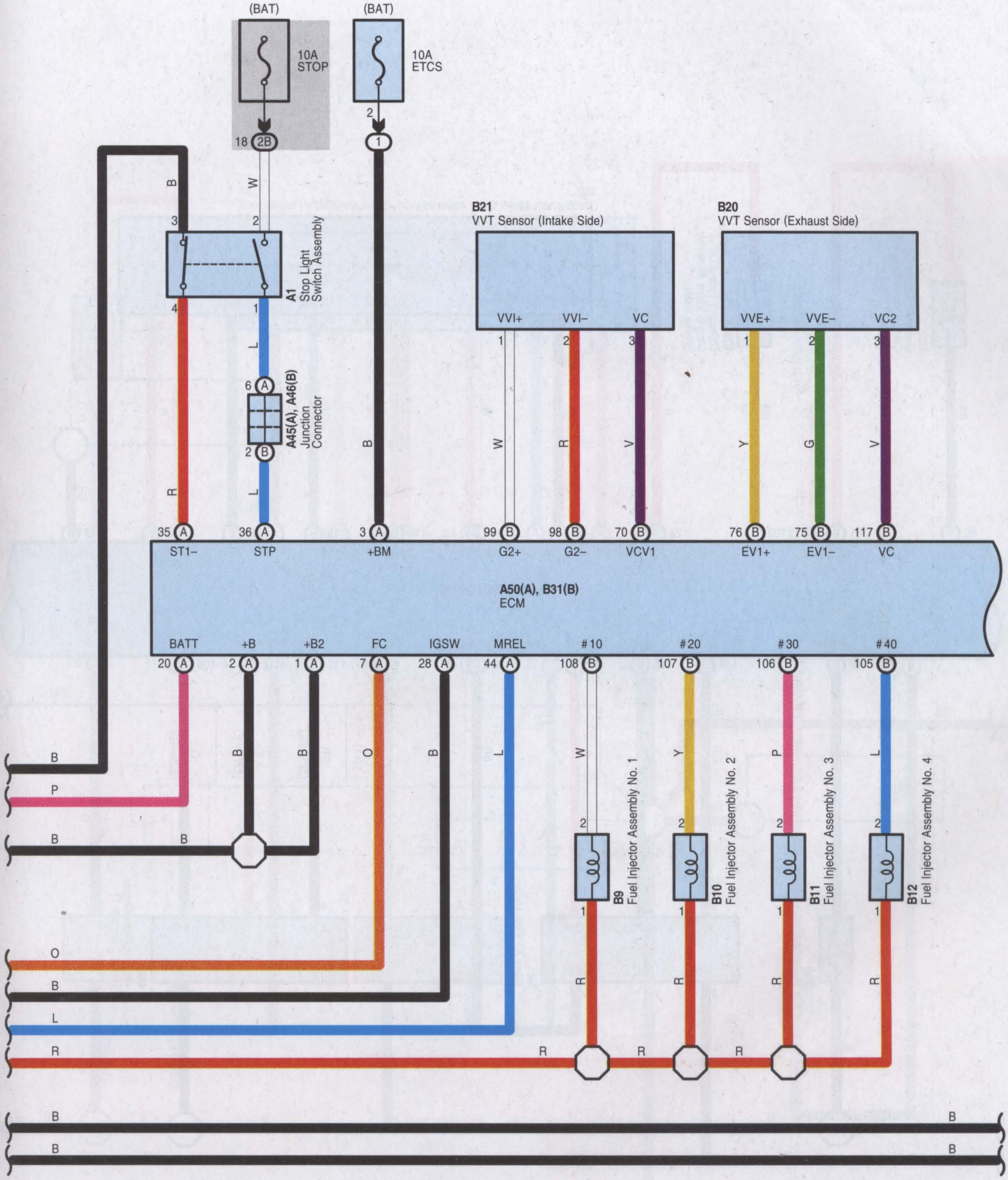
## : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| BA1 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |

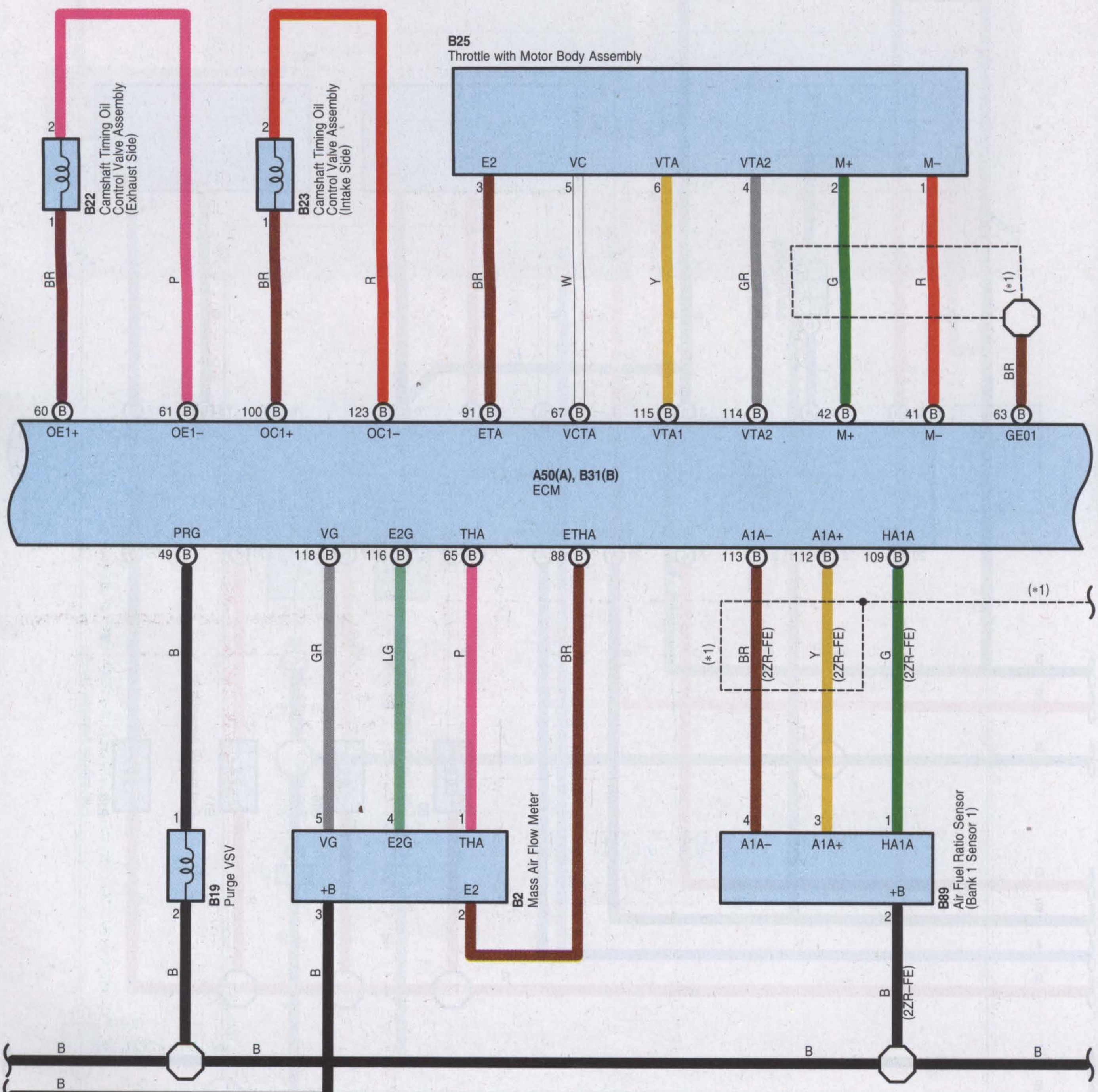
## : Ground Points

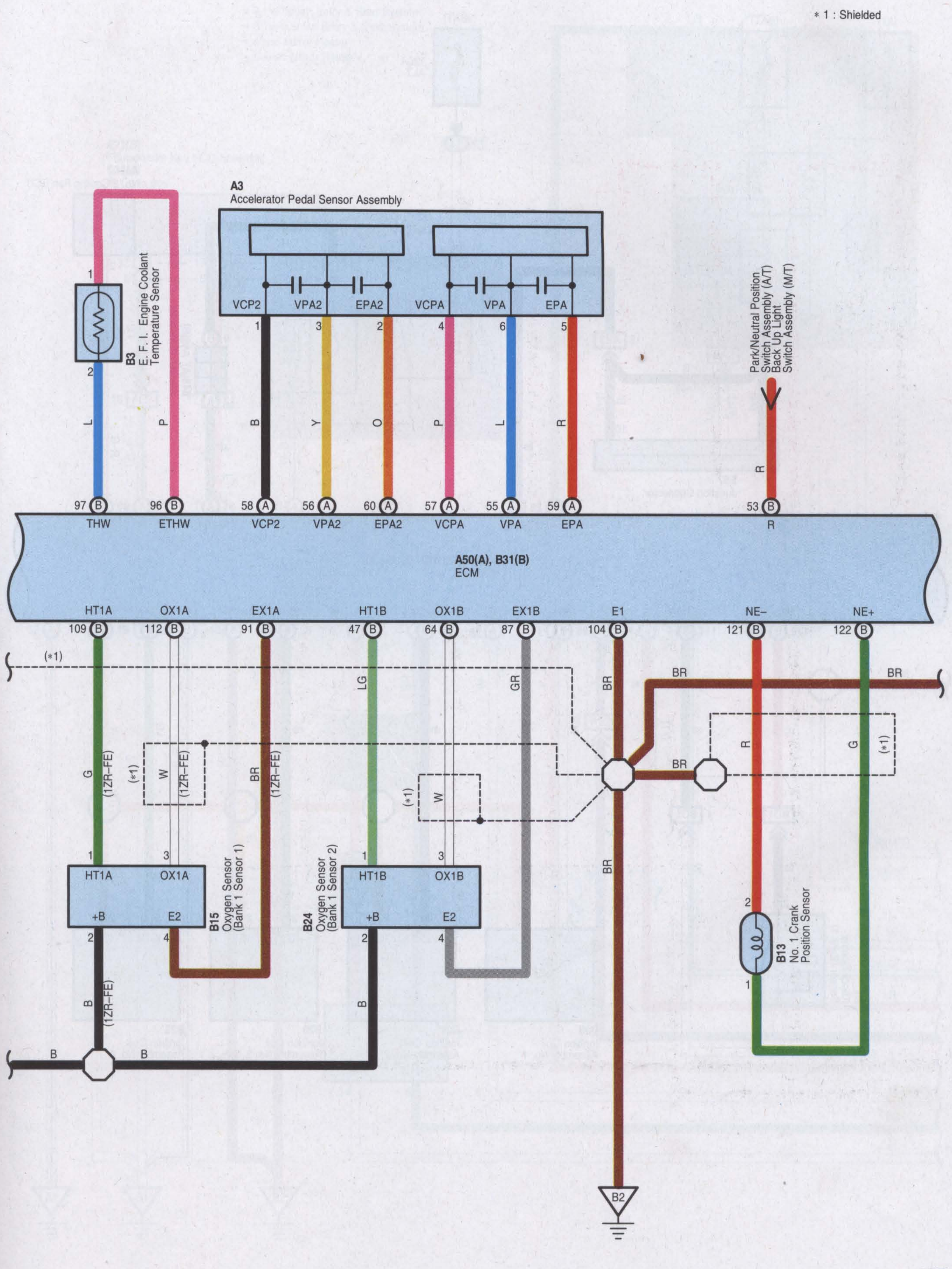
| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| B1 | 64 | Engine Block Center |


(IG)
7. 5A
IG2 NO. 2
(BAT)
15A
IG2
(BAT)
20A
EFI MAIN
(IG)
7. 5A
IGN
IG2
Relay
EFI MAIN
Relay
C/OPN
Relay
GR
1A
1B
2B
2A
W-B
R
B
L
P
O
LG
BA1
10A
EFI
NO. 1
10A
EFI
NO. 2
A45(A), A46(B)
Junction Connector
M
Pump
L17
Fuel Pump
A46(B)
Junction
Connector
A1
L2

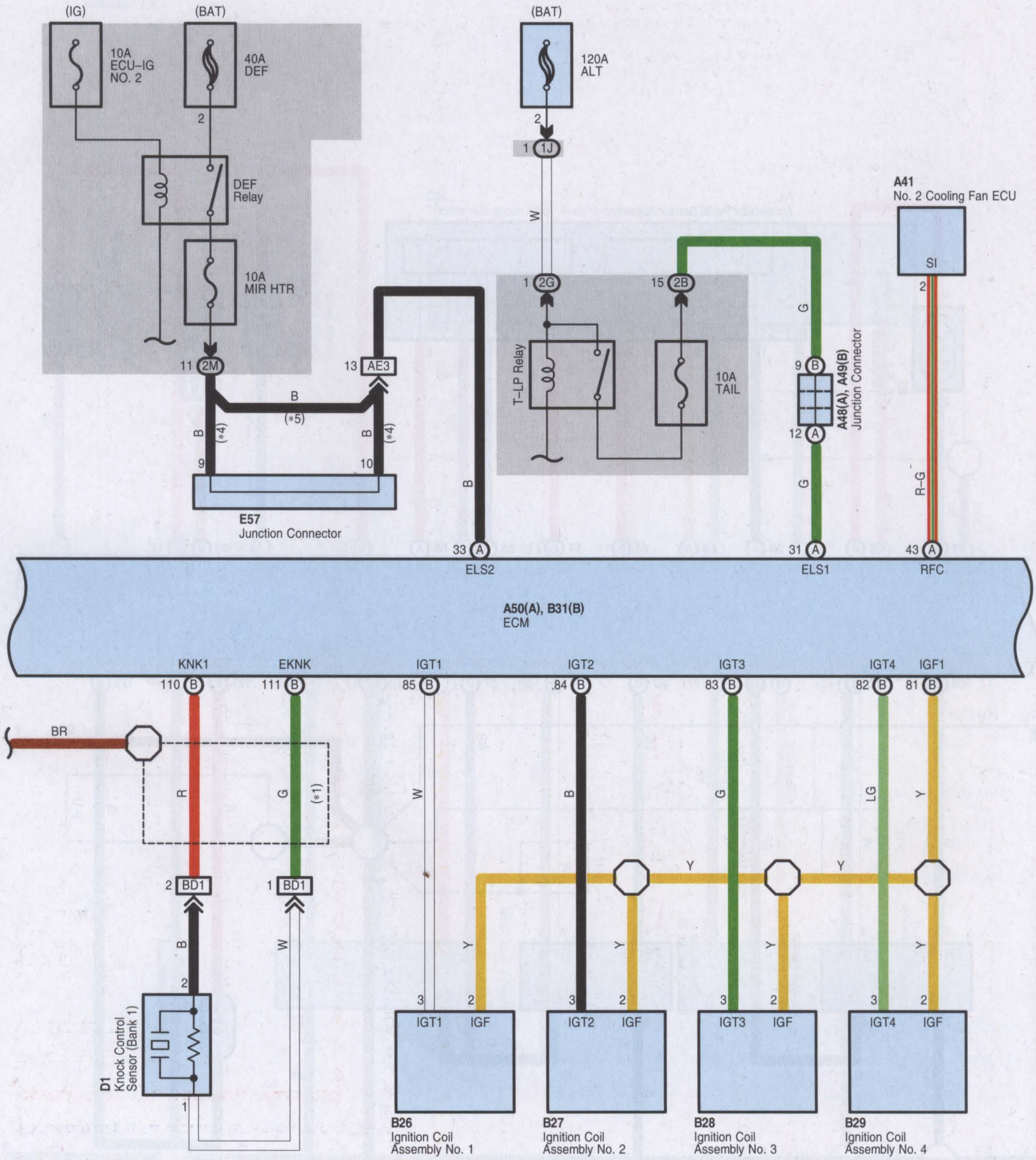


(BAT)
10A
STOP
(BAT)
10A
ETCS
18 2B
2 1
B
W
3
2
A1
Stop Light
Switch Assembly
4
1
L
6 A
A45(A), A46(B)
Junction
Connector
2 B
L
R
B
B21
VVT Sensor (Intake Side)
VVI+
VVI–
VC
1
2
3
W
R
V
B20
VVT Sensor (Exhaust Side)
VVE+
VVE–
VC2
1
2
3
Y
G
V
35 A
36 A
3 A
99 B
98 B
70 B
76 B
75 B
117 B
ST1–
STP
+BM
G2+
G2–
VCV1
EV1+
EV1–
VC
A50(A), B31(B)
ECM
BATT
+B
+B2
FC
IGSW
MREL
#10
#20
#30
#40
20 A
2 A
1 A
7 A
28 A
44 A
108 B
107 B
106 B
105 B
B
B
O
B
L
W
Y
P
L
B
P
B
B
2
2
2
2
B9
Fuel Injector Assembly No. 1
B10
Fuel Injector Assembly No. 2
B11
Fuel Injector Assembly No. 3
B12
Fuel Injector Assembly No. 4
1
1
1
1
R
R
R
R
O
B
L
R
R
R
R
B
B
B
B

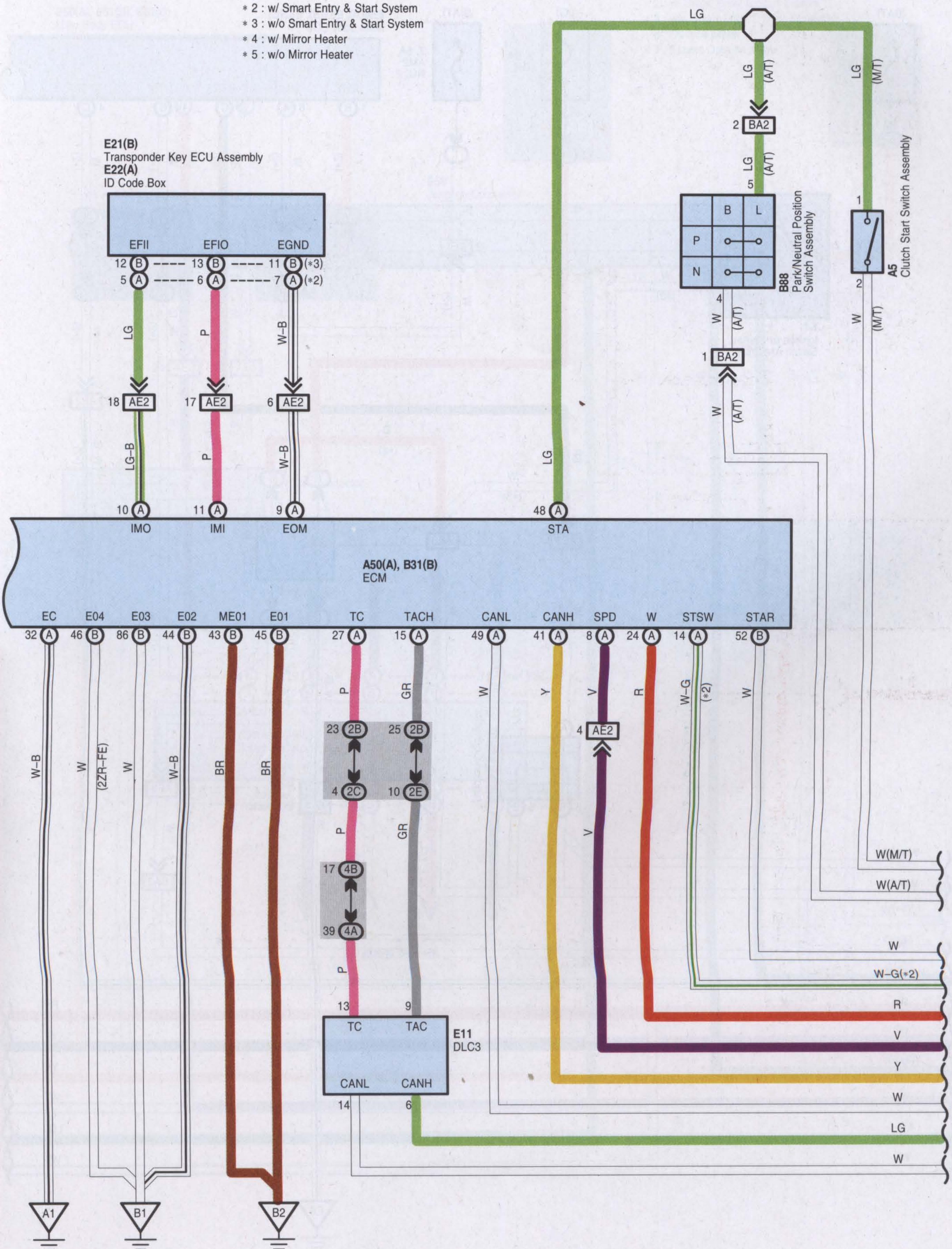

B22
Camshaft Timing Oil Control Valve Assembly (Exhaust Side)
B23
Camshaft Timing Oil Control Valve Assembly (Intake Side)
B25
Throttle with Motor Body Assembly
E2
VC
VTA
VTA2
M+
M–
BR
P
R
W
Y
GR
G
(*1)
OE1+
OE1–
OC1+
OC1–
ETA
VCTA
VTA1
VTA2
M+
M–
GE01
A50(A), B31(B)
ECM
PRG
VG
E2G
THA
ETHA
A1A–
A1A+
HA1A
B
LG
(2ZR-FE)
B19
Purge VSV
+B
E2
B2
Mass Air Flow Meter
B89
Air Fuel Ratio Sensor (Bank 1 Sensor 1)

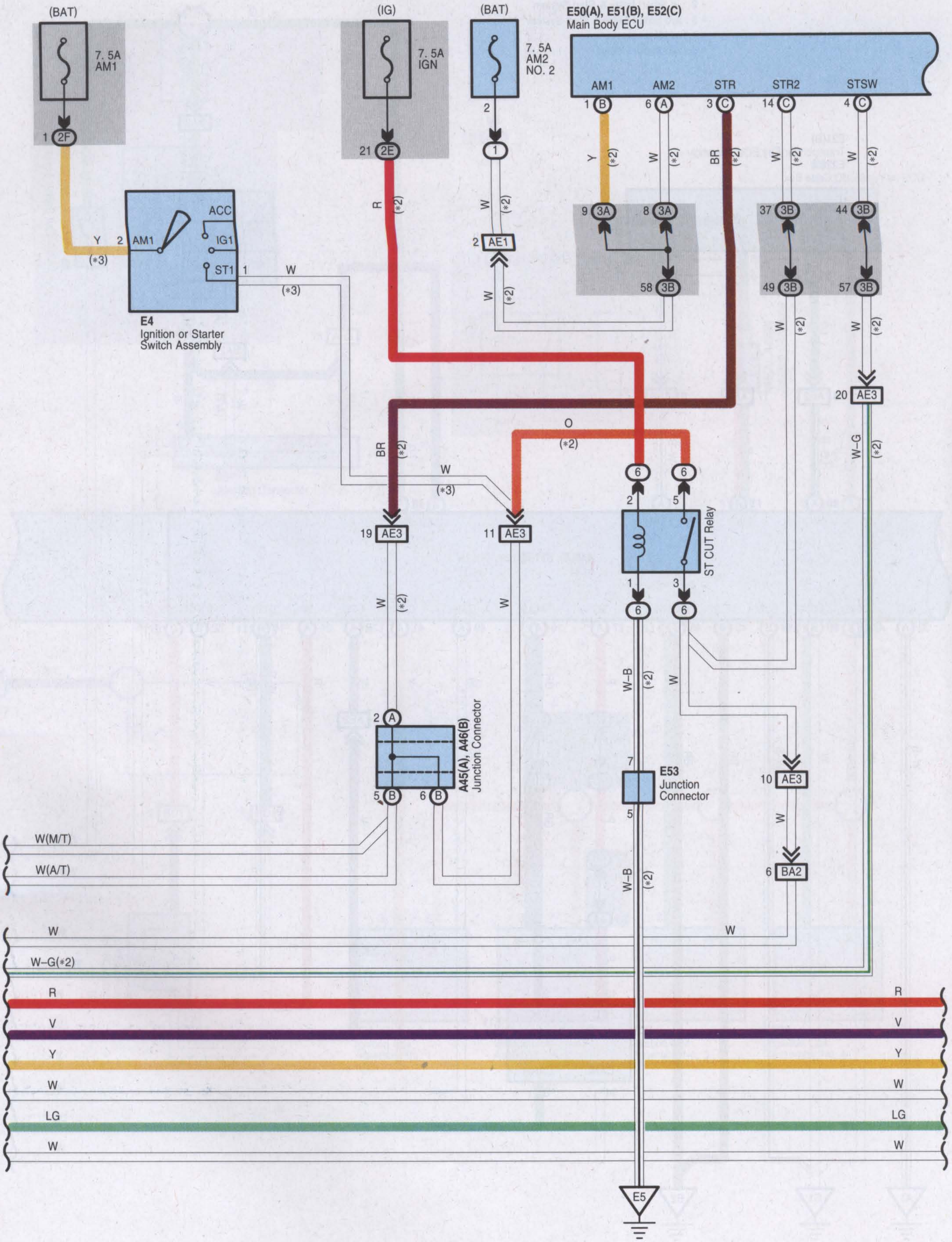


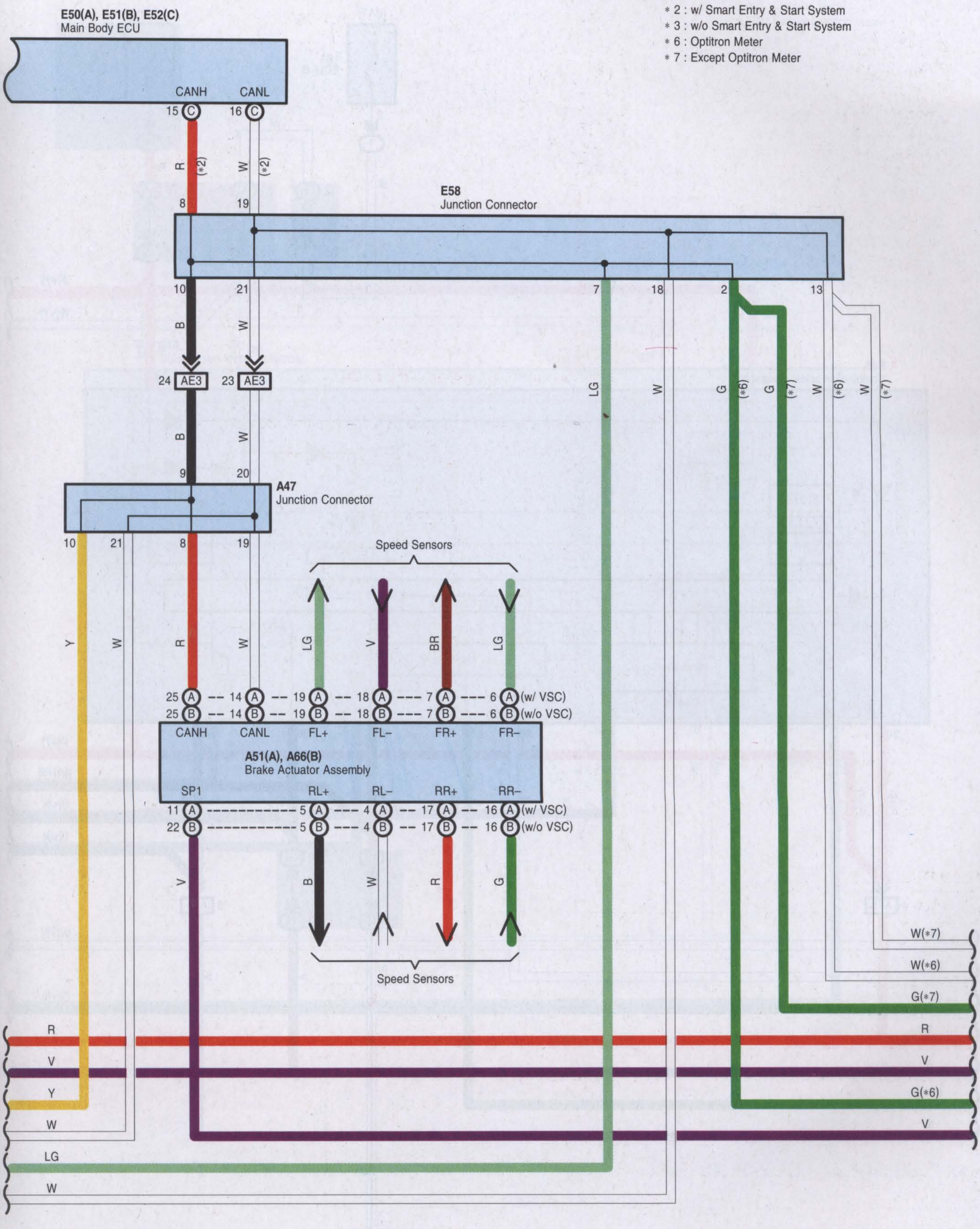
∗ 1 : Shielded
A3
Accelerator Pedal Sensor Assembly
VCP2
VPA2
EPA2
VCPA
VPA
EPA
B3
E. F. I. Engine Coolant Temperature Sensor
Park/Neutral Position Switch Assembly (A/T)
Back Up Light Switch Assembly (M/T)
THW
ETHW
R
A50(A), B31(B)
ECM
HT1A
OX1A
EX1A
HT1B
OX1B
EX1B
E1
NE−
NE+
(∗1)
(1ZR-FE)
BR
B15
Oxygen Sensor (Bank 1 Sensor 1)
B24
Oxygen Sensor (Bank 1 Sensor 2)
+B
E2
B13
No. 1 Crank Position Sensor
B2


(IG)
(BAT)
10A
ECU-IG
NO. 2
40A
DEF
DEF
Relay
10A
MIR HTR
2M
AE3
B
(*5)
B
(*4)
E57
Junction Connector
(BAT)
120A
ALT
1J
W
2G
2B
T-LP Relay
10A
TAIL
G
A48(A), A49(B)
Junction Connector
A41
No. 2 Cooling Fan ECU
SI
R-G
ELS2
ELS1
RFC
A50(A), B31(B)
ECM
KNK1
EKNK
IGT1
IGT2
IGT3
IGT4
IGF1
BR
R
G
(*1)
W
LG
Y
BD1
D1
Knock Control
Sensor (Bank 1)
IGT1 IGF
IGT2 IGF
IGT3 IGF
IGT4 IGF
B26
Ignition Coil
Assembly No. 1
B27
Ignition Coil
Assembly No. 2
B28
Ignition Coil
Assembly No. 3
B29
Ignition Coil
Assembly No. 4

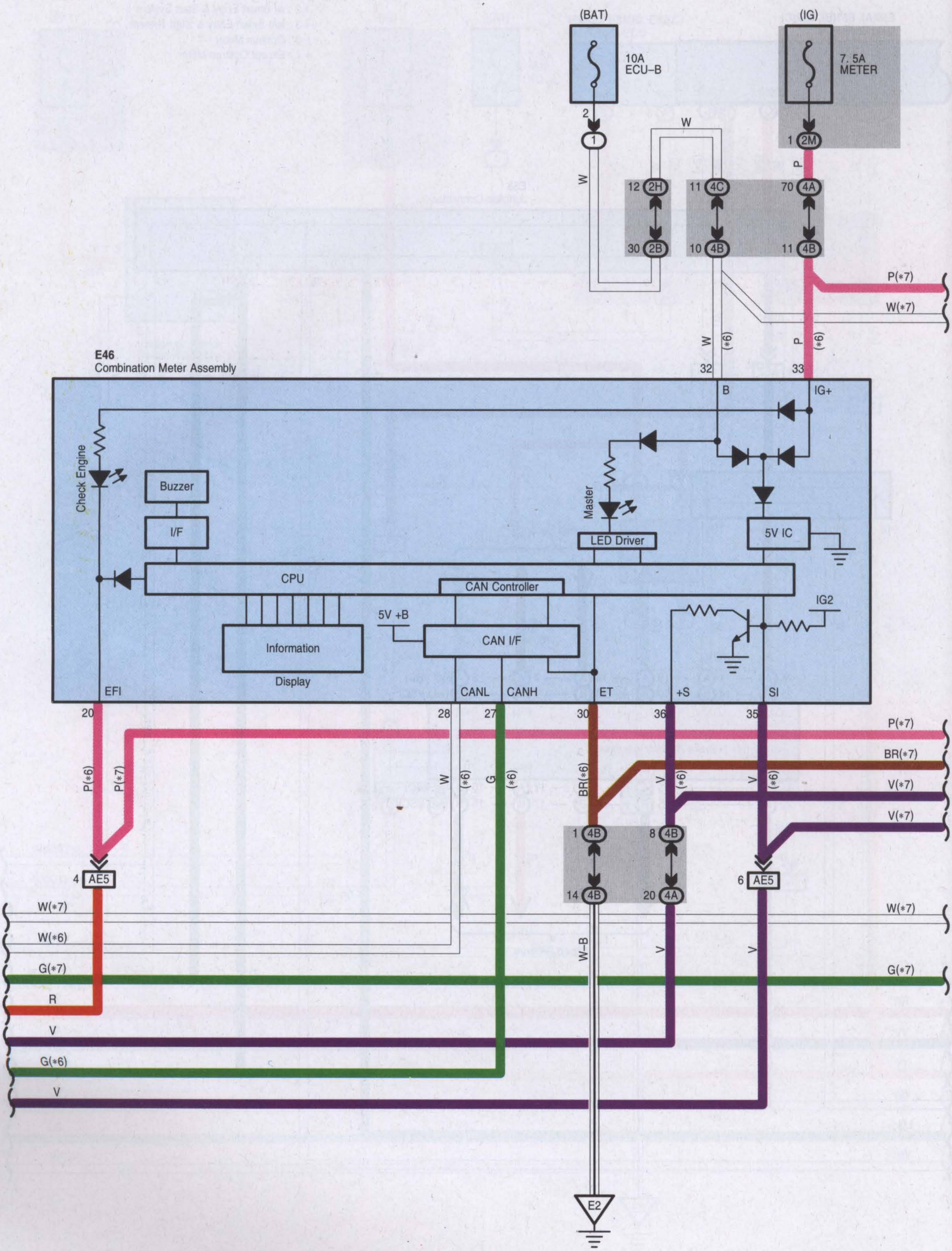
＊1 : Shielded
＊2 : w/ Smart Entry & Start System
＊3 : w/o Smart Entry & Start System
＊4 : w/ Mirror Heater
＊5 : w/o Mirror Heater

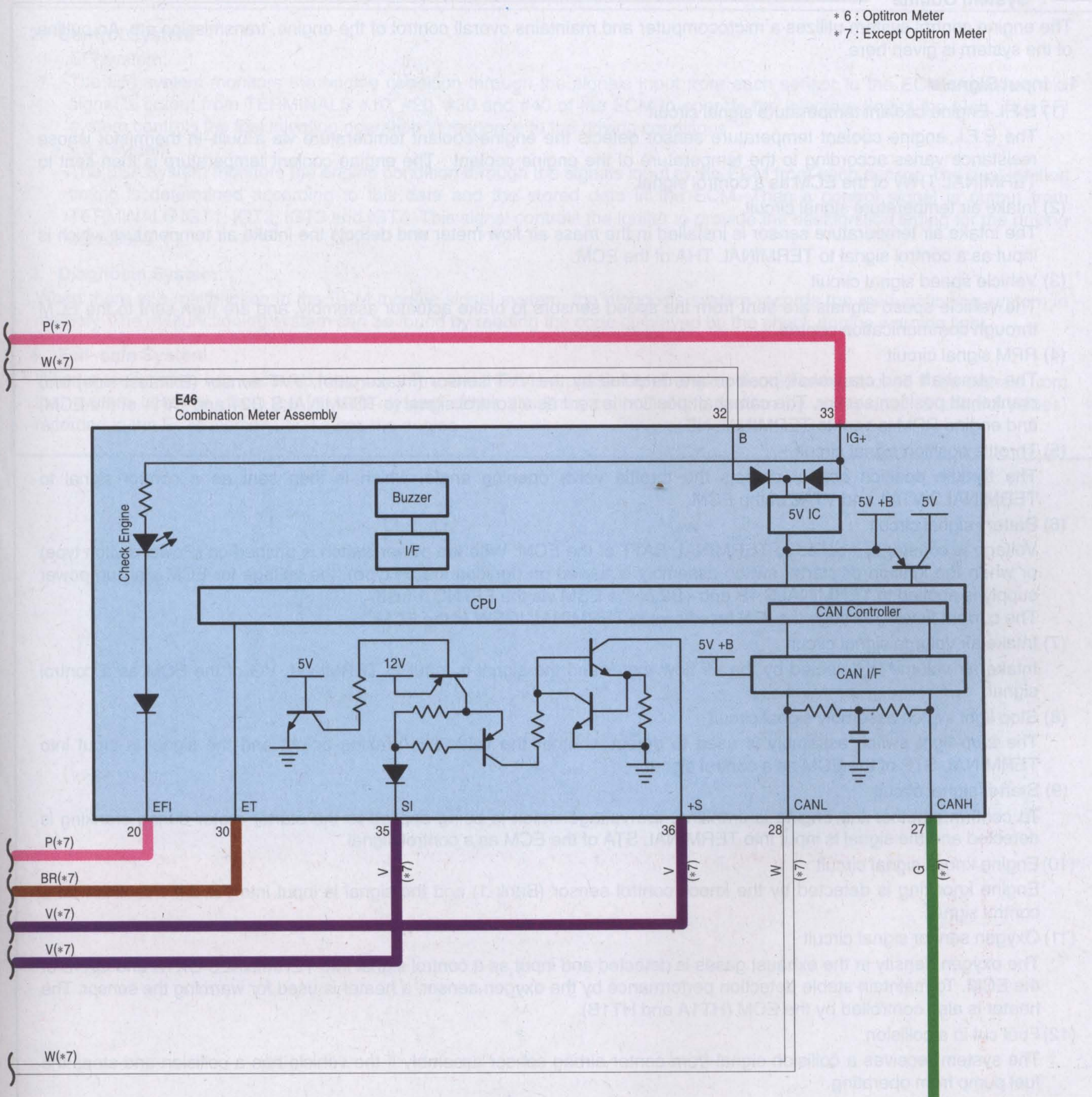



(BAT)
7. 5A AM1
1 2F
(IG)
7. 5A IGN
21 2E
(BAT)
7. 5A AM2 NO. 2
2
1
E50(A), E51(B), E52(C)
Main Body ECU
AM1
AM2
STR
STR2
STSW
1 B
6 A
3 C
14 C
4 C
9 3A
8 3A
37 3B
44 3B
58 3B
49 3B
57 3B
2 AE1
20 AE3
E4
Ignition or Starter Switch Assembly
ACC
AM1
IG1
ST1
19 AE3
11 AE3
ST CUT Relay
A45(A), A46(B)
Junction Connector
E53
Junction Connector
10 AE3
6 BA2
W(M/T)
W(A/T)
W-G(*2)
R
V
Y
W
LG
E5



E50(A), E51(B), E52(C)
Main Body ECU
CANH
CANL
15 C
16 C
R (*2)
W (*2)
* 2 : w/ Smart Entry & Start System
* 3 : w/o Smart Entry & Start System
* 6 : Optitron Meter
* 7 : Except Optitron Meter
E58
Junction Connector
8
19
10
21
7
18
2
13
B
W
24 AE3
23 AE3
LG
W
G (*6)
G (*7)
W (*6)
W (*7)
9
20
A47
Junction Connector
10
21
8
19
Speed Sensors
Y
W
R
W
LG
V
BR
LG
25 A -- 14 A -- 19 A -- 18 A --- 7 A --- 6 A (w/ VSC)
25 B -- 14 B -- 19 B -- 18 B --- 7 B --- 6 B (w/o VSC)
CANH
CANL
FL+
FL−
FR+
FR−
A51(A), A66(B)
Brake Actuator Assembly
SP1
RL+
RL−
RR+
RR−
11 A ----------- 5 A --- 4 A -- 17 A -- 16 A (w/ VSC)
22 B ----------- 5 B --- 4 B -- 17 B -- 16 B (w/o VSC)
V
B
W
R
G
Speed Sensors
W(*7)
W(*6)
G(*7)
R
V
Y
G(*6)
W
V
LG
W


(BAT)
10A
ECU–B
(IG)
7. 5A
METER
2
1
W
1 2M
P
12 2H
30 2B
11 4C
10 4B
70 4A
11 4B
P(*7)
W(*7)
W (*6)
P (*6)
32
33
E46
Combination Meter Assembly
B
IG+
Check Engine
Buzzer
I/F
Master
LED Driver
5V IC
CPU
CAN Controller
IG2
5V +B
CAN I/F
Information
Display
EFI
CANL
CANH
ET
+S
SI
20
28
27
30
36
35
P(*7)
BR(*7)
V(*7)
V(*7)
P(*6)
P(*7)
W (*6)
G (*6)
BR(*6)
V (*6)
V (*6)
1 4B
8 4B
14 4B
20 4A
4 AE5
6 AE5
W(*7)
W(*6)
G(*7)
R
V
G(*6)
V
W(*7)
G(*7)
W–B
V
V
E2



* 6 : Optitron Meter
* 7 : Except Optitron Meter
P(*7)
W(*7)
E46
Combination Meter Assembly
32
33
B
IG+
Check Engine
Buzzer
I/F
5V IC
5V +B
5V
CPU
CAN Controller
5V +B
5V
12V
CAN I/F
EFI
ET
SI
+S
CANL
CANH
20
30
35
36
28
27
P(*7)
BR(*7)
V(*7)
V(*7)
W(*7)
G(*7)

## System Outline

The engine control system utilizes a microcomputer and maintains overall control of the engine, transmission etc. An outline of the system is given here.

**1. Input Signals**

(1) E.F.I. Engine coolant temperature signal circuit

The E.F.I. engine coolant temperature sensor detects the engine coolant temperature via a built–in thermistor whose resistance varies according to the temperature of the engine coolant . The engine coolant temperature is then sent to TERMINAL THW of the ECM as a control signal.

(2) Intake air temperature signal circuit

The intake air temperature sensor is installed in the mass air flow meter and detects the intake air temperature which is input as a control signal to TERMINAL THA of the ECM.

(3) Vehicle speed signal circuit

The vehicle speed signals are sent from the speed sensors to brake actuator assembly, and are then sent to the ECM through communication control.

(4) RPM signal circuit

The camshaft and crankshaft position are detected by the VVT sensor (Intake side), VVT sensor (Exhaust side) and crankshaft position sensor. The camshaft position is sent as a control signal to TERMINALS G2+ and EV1+ of the ECM, and engine RPM is sent to TERMINAL NE+.

(5) Throttle position signal circuit

The throttle position sensor detects the throttle valve opening angle, which is then sent as a control signal to TERMINALS VTA1 and VTA2 of the ECM.

(6) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the ECM. With the power switch is pushed on (Power switch type) or when the ignition or starter switch assembly is turned on (Ignition switch type), the voltage for ECM start up power supply is applied to TERMINALS +B and +B2 of the ECM via the EFI NO.1 fuse.
The current flowing through the IGN fuse flows to TERMINAL IGSW of the ECM.

(7) Intake air volume signal circuit

Intake air volume is detected by the air flow meter and the signal is input to TERMINAL VG of the ECM as a control signal.

(8) Stop light switch assembly signal circuit

The stop light switch assembly is used to detect whether the vehicle is braking or not and the signal is input into TERMINAL STP of the ECM as a control signal.

(9) Starter signal circuit

To confirm whether the engine is cranking, the voltage which is being applied to the starter motor during cranking is detected and the signal is input into TERMINAL STA of the ECM as a control signal.

(10) Engine knock signal circuit

Engine knocking is detected by the knock control sensor (Bank 1) and the signal is input into TERMINAL KNK1 as a control signal.

(11) Oxygen sensor signal circuit

The oxygen density in the exhaust gases is detected and input as a control signal into TERMINALS OX1A and OX1B of the ECM. To maintain stable detection performance by the oxygen sensor, a heater is used for warming the sensor. The heater is also controlled by the ECM (HT1A and HT1B).

(12) Fuel cut in a collision

The system receives a collision signal from center airbag sensor assembly if the vehicle has a collision and stops the fuel pump from operating.

**2. Control System**

* EFI system

The EFI system monitors the engine condition through the signals input from each sensor to the ECM. And a control signal is output from TERMINALS #10, #20, #30 and #40 of the ECM to operate the injectors (Inject the fuel). The EFI system controls the fuel injection operation in response to the driving conditions.

* ESA system

The ESA system monitors the engine condition through the signals input to the ECM from each sensor. The best ignition timing is determined according to this data and the stored data in the ECM. Then a control signal is output from TERMINALS IGT1, IGT2, IGT3 and IGT4. This signal controls the igniter to provide the best ignition timing for the driving conditions.

**3. Diagnosis System**

When there is a malfunction in the ECM module signal system, the diagnosis system records the malfunctioning system in memory. The malfunctioning system can be found by reading the code displayed by the check engine warning light.

**4. Fail–safe System**

When a malfunction has occurred in any system, and there is a possibility of engine trouble being caused if the signals from that system continue, then the fail safe system either assumes control of the system by using data (Standard values) recorded in the ECM memory, or it stops the engine.

## ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| A1 | 57 | B11 | 53 | B88 | 53 |
| A3 | 57 | B12 | 53 | B89 | 53 |
| A5 | 57 | B13 | 53 | D1 | 53 |
| A41 | 52 | B15 | 53 | E4 | 54 |
| A45 A | 57 | B19 | 53 | E11 | 54 |
| A46 B | 57 | B20 | 53 | E21 B | 54 |
| A47 | 57 | B21 | 53 | E22 A | 54 |
| A48 A | 57 | B22 | 53 | E46 | 55 |
| A49 B | 57 | B23 | 53 | E50 A | 55 |
| A50 A | 52 | B24 | 53 | E51 B | 55 |
| A51 A | 52 | B25 | 53 | E52 C | 55 |
| A66 B | 52 | B26 | 53 | E53 | 55 |
| B2 | 53 | B27 | 53 | E57 | 55 |
| B3 | 53 | B28 | 53 | E58 | 55 |
| B9 | 53 | B29 | 53 | L17 | 59 |
| B10 | 53 | B31 B | 53 | | |

## ⬭ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |
| 6 | 47 | R/B No.6 (Instrument Panel Center) |

## ⬬ : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1A | 26 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 1B | | |
| 1J | 23 | |
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2C | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | | |
| 2F | | |
| 2G | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

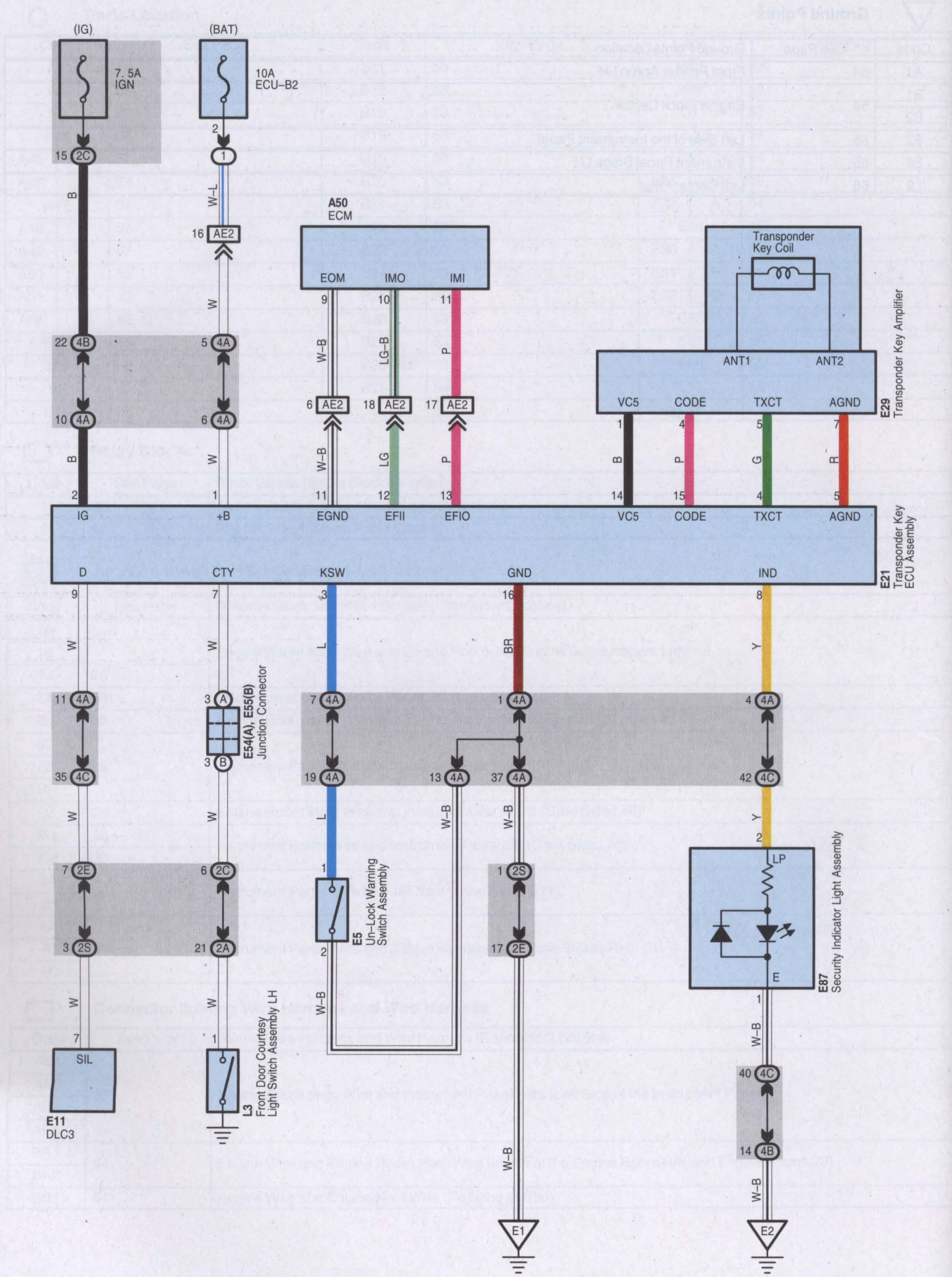
## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE1 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE2 | | |
| AE3 | | |
| AE5 | | |
| BA1 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| BA2 | | |
| BD1 | 64 | Engine Wire and Engine No.4 Wire (Near the Starter) |

▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| B1 | 64 | Engine Block Center |
| B2 | | |
| E2 | 65 | Left Side of the Instrument Panel |
| E5 | 65 | Instrument Panel Brace LH |
| L2 | 66 | Left Center Pillar |

# 发动机停机系统（不带智能上车和起动系统）



## ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| A50 | 52 | E21 | 54 | E55 B | 55 |
| E5 | 54 | E29 | 54 | E87 | 56 |
| E11 | 54 | E54 A | 55 | L3 | 59 |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

## : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2C | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | | |
| 2S | 29 | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

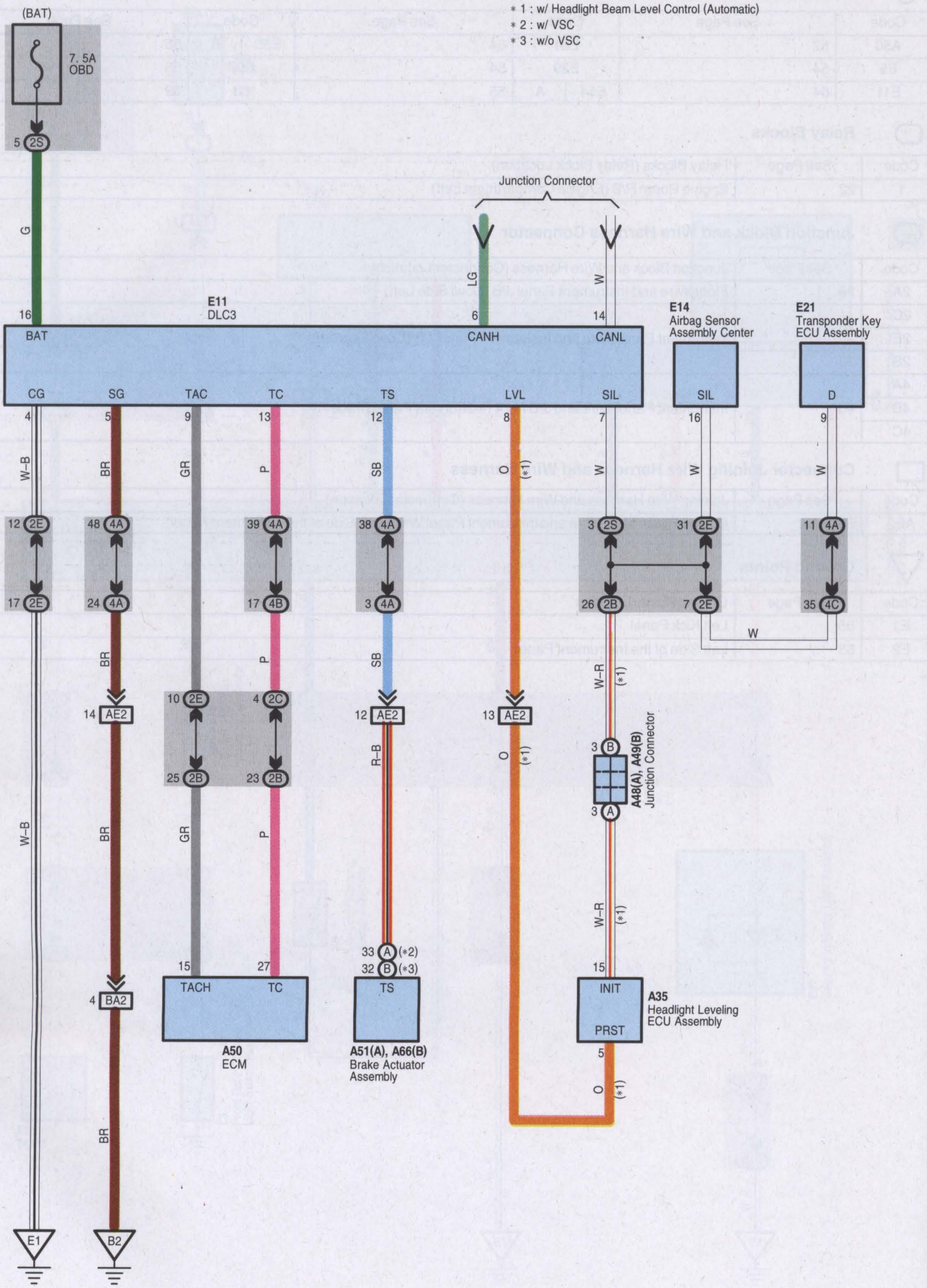
## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |

## ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |

* 1 : w/ Headlight Beam Level Control (Automatic)
* 2 : w/ VSC
* 3 : w/o VSC



○ : **Parts Location**

| Code | | See Page | Code | | See Page | Code | See Page |
|---|---|---|---|---|---|---|---|
| A35 | | 57 | A50 | | 52 | E11 | 54 |
| A48 | A | 57 | A51 | A | 52 | E14 | 54 |
| A49 | B | 57 | A66 | B | 52 | E21 | 54 |

▢ : **Junction Block and Wire Harness Connector**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2C | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | | |
| 2S | 29 | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

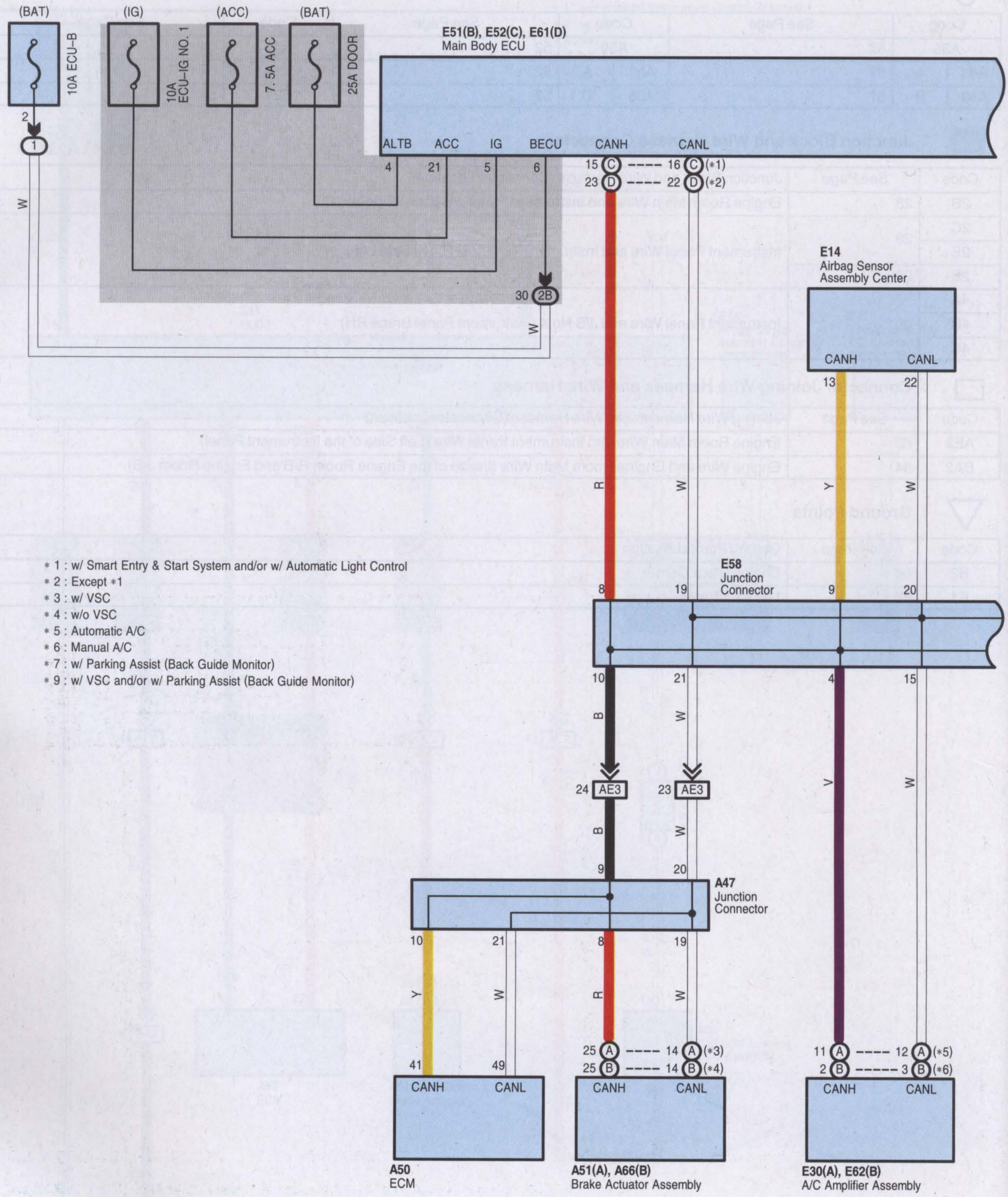
□ : **Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| BA2 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |

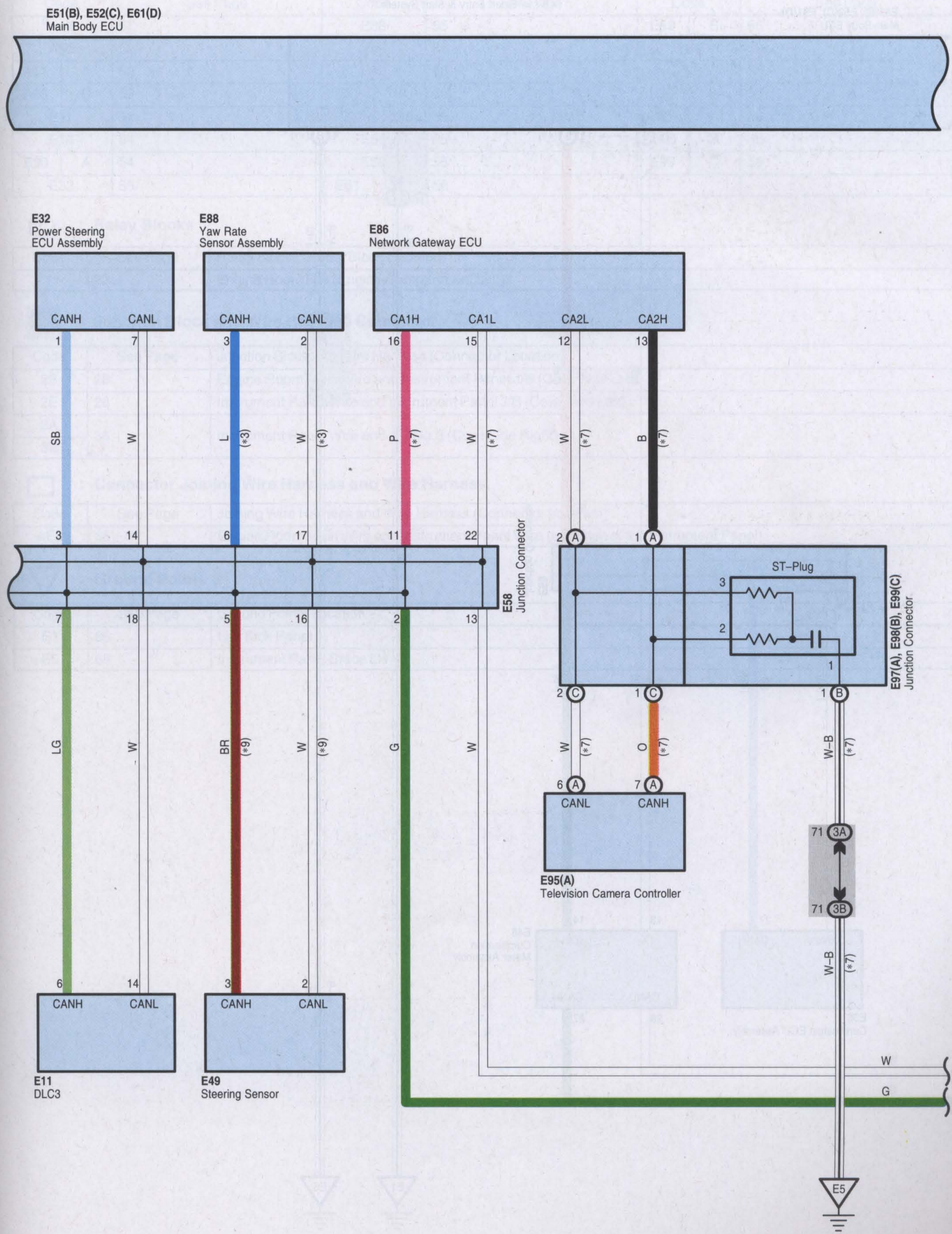
▽ : **Ground Points**

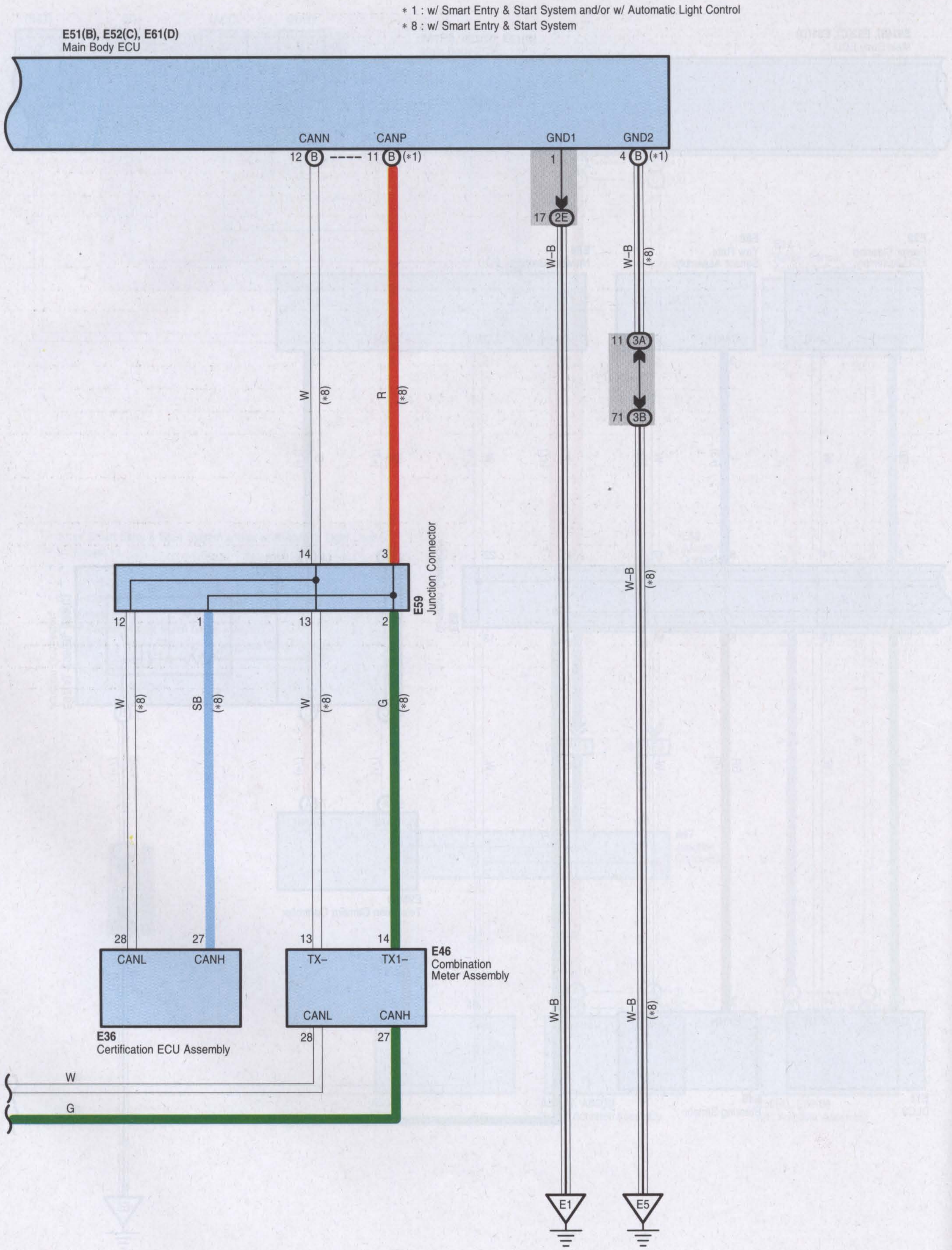
| Code | See Page | Ground Points Location |
|---|---|---|
| B2 | 64 | Engine Block Center |
| E1 | 65 | Left Kick Panel |

# 多路通信系统 (CAN)




* 1 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
* 2 : Except *1
* 3 : w/ VSC
* 4 : w/o VSC
* 5 : Automatic A/C
* 6 : Manual A/C
* 7 : w/ Parking Assist (Back Guide Monitor)
* 9 : w/ VSC and/or w/ Parking Assist (Back Guide Monitor)


E51(B), E52(C), E61(D)
Main Body ECU
E32
Power Steering
ECU Assembly
E88
Yaw Rate
Sensor Assembly
E86
Network Gateway ECU
CANH
CANL
CA1H
CA1L
CA2L
CA2H
SB
W
L
(*3)
P
(*7)
B
E58
Junction Connector
ST–Plug
E97(A), E98(B), E99(C)
Junction Connector
LG
BR
(*9)
G
O
W–B
CANL
CANH
E95(A)
Television Camera Controller
71
3A
3B
E11
DLC3
E49
Steering Sensor
E5



* 1 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
* 8 : w/ Smart Entry & Start System
E51(B), E52(C), E61(D)
Main Body ECU
CANN
CANP
GND1
GND2
12 B
11 B (*1)
1
4 B (*1)
17 2E
W-B
W-B (*8)
W (*8)
R (*8)
11 3A
71 3B
14
3
E59
Junction Connector
12
1
13
2
W (*8)
SB (*8)
W (*8)
G (*8)
28
27
13
14
CANL
CANH
TX-
TX1-
E46
Combination
Meter Assembly
CANL
CANH
E36
Certification ECU Assembly
28
27
W
G
E1
E5

○ : **Parts Location**

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A47 | | 57 | E36 | | 55 | E62 | B | 56 |
| A50 | | 52 | E46 | | 55 | E86 | | 56 |
| A51 | A | 52 | E49 | | 55 | E88 | | 56 |
| A66 | B | 52 | E51 | B | 55 | E95 | A | 56 |
| E11 | | 54 | E52 | C | 55 | E97 | A | 56 |
| E14 | | 54 | E58 | | 55 | E98 | B | 56 |
| E30 | A | 54 | E59 | | 55 | E99 | C | 56 |
| E32 | | 55 | E61 | D | 56 | | | |

◯ : **Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

● : **Junction Block and Wire Harness Connector**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |

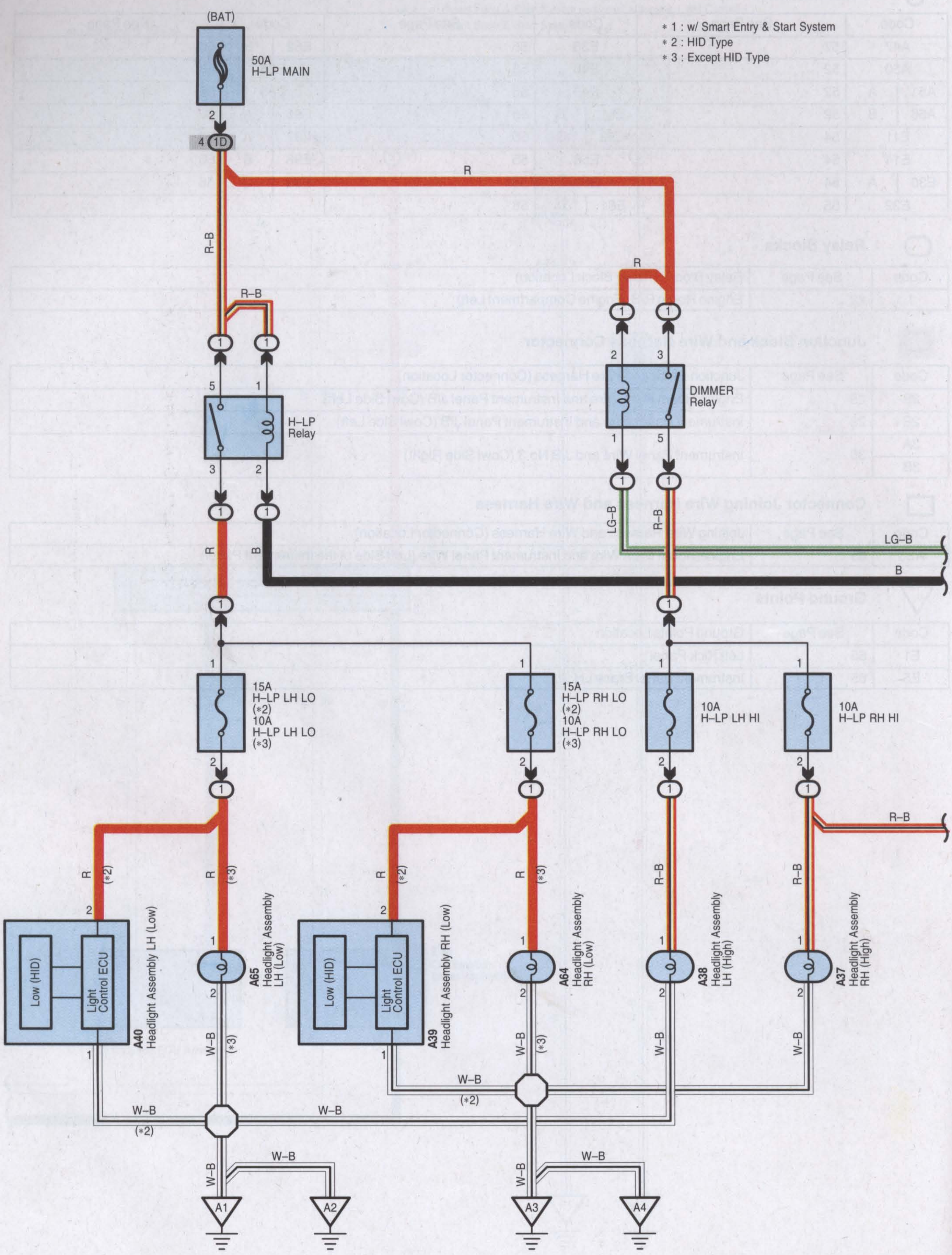
□ : **Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE3 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |

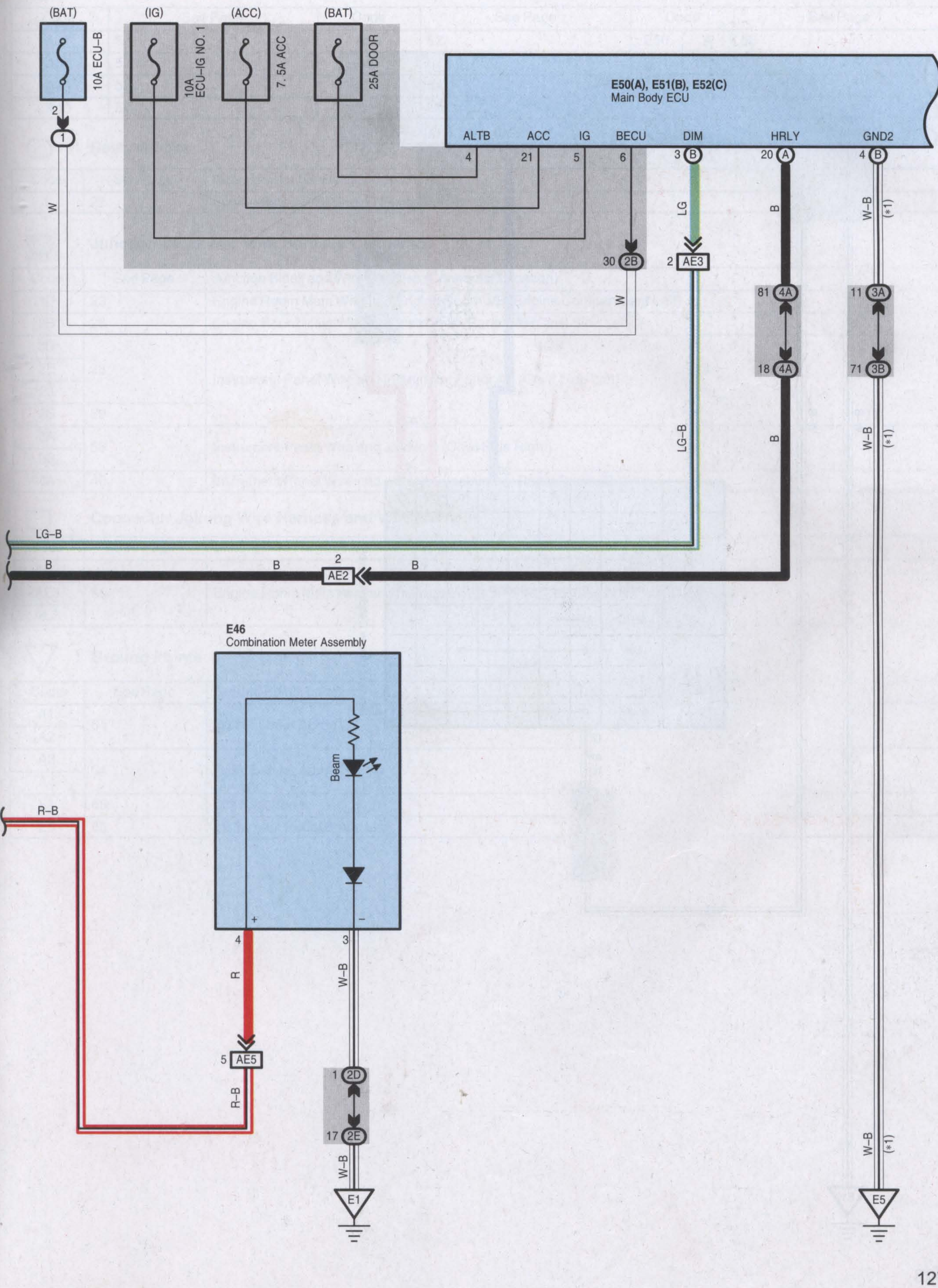
▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E5 | 65 | Instrument Panel Brace LH |

# 前大灯（带自动灯控）

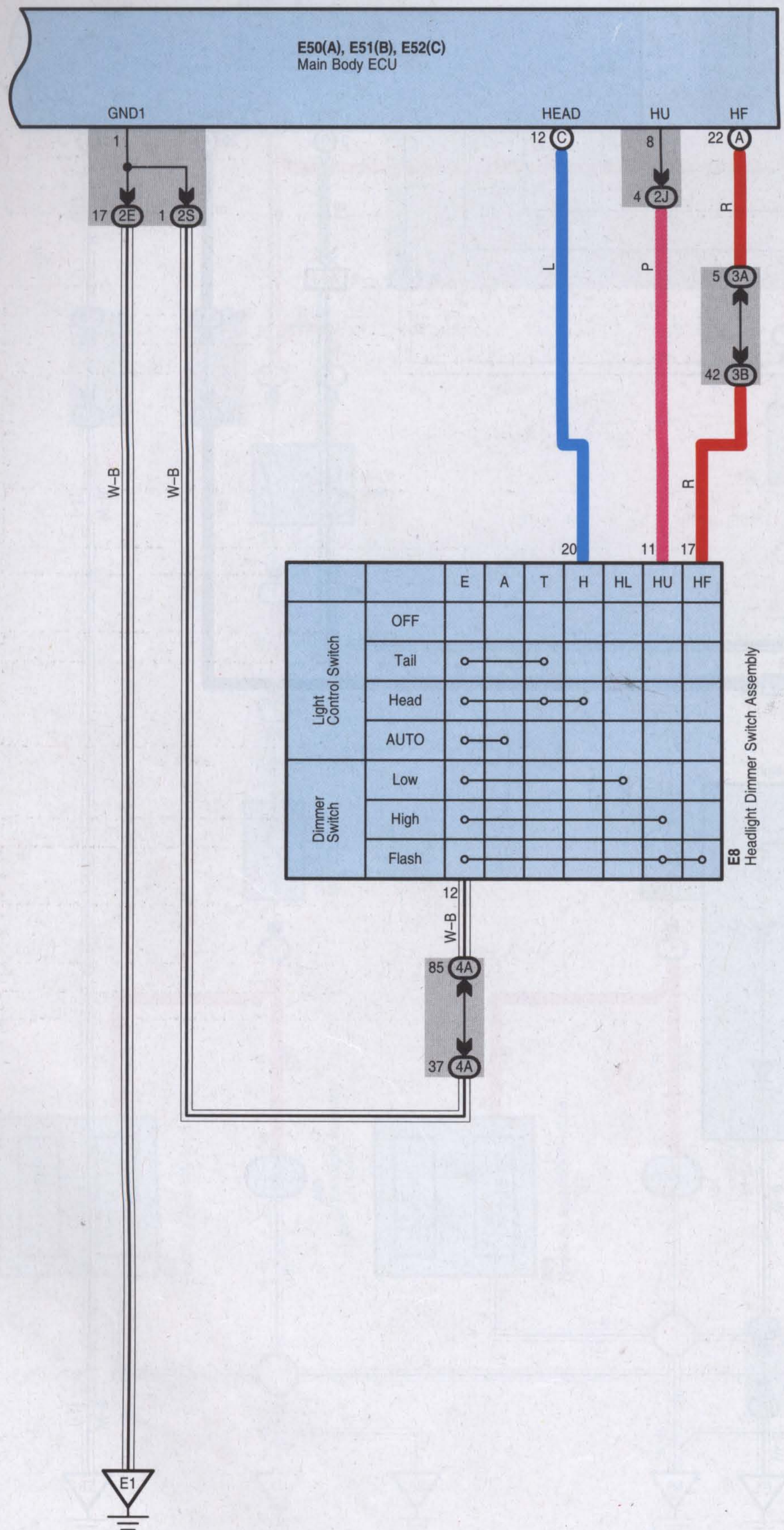


(BAT)
50A
H-LP MAIN
∗1 : w/ Smart Entry & Start System
∗2 : HID Type
∗3 : Except HID Type
4 1D
R
R-B
R-B
R
H-LP
Relay
DIMMER
Relay
LG-B
R-B
LG-B
B
R
B
15A
H-LP LH LO
(∗2)
10A
H-LP LH LO
(∗3)
15A
H-LP RH LO
(∗2)
10A
H-LP RH LO
(∗3)
10A
H-LP LH HI
10A
H-LP RH HI
R-B
R (∗2)
R (∗3)
Low (HID)
Light
Control ECU
A40
Headlight Assembly LH (Low)
A65
Headlight Assembly
LH (Low)
A39
Headlight Assembly RH (Low)
A64
Headlight Assembly
RH (Low)
A38
Headlight Assembly
LH (High)
A37
Headlight Assembly
RH (High)
W-B
(∗2)
(∗3)
A1
A2
A3
A4



(BAT)
10A ECU-B
(IG)
10A ECU-IG NO. 1
(ACC)
7. 5A ACC
(BAT)
25A DOOR
E50(A), E51(B), E52(C)
Main Body ECU
ALTB
ACC
IG
BECU
DIM
HRLY
GND2
W
LG
B
W-B
(*1)
2B
AE3
4A
3A
3B
LG-B
B
AE2
E46
Combination Meter Assembly
Beam
R-B
R
W-B
AE5
2D
2E
E1
E5

# 前大灯（带自动灯控）



E50(A), E51(B), E52(C)
Main Body ECU
GND1
HEAD
HU
HF
1
12 C
8
22 A
17 2E
1 2S
4 2J
L
P
R
5 3A
42 3B
W–B
W–B
R
20
11
17
E
A
T
H
HL
HU
HF
Light Control Switch
OFF
Tail
Head
AUTO
Dimmer Switch
Low
High
Flash
E8
Headlight Dimmer Switch Assembly
12
W–B
85 4A
37 4A
E1

## ○ : Parts Location

| Code | See Page | Code | See Page | Code | | See Page |
|---|---|---|---|---|---|---|
| A37 | 52 | A64 | 52 | E50 | A | 55 |
| A38 | 52 | A65 | 52 | E51 | B | 55 |
| A39 | 52 | E8 | 54 | E52 | C | 55 |
| A40 | 52 | E46 | 55 | | | |

## ▢ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

## ▢ : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1D | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2D | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | | |
| 2J | | |
| 2S | 29 | |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

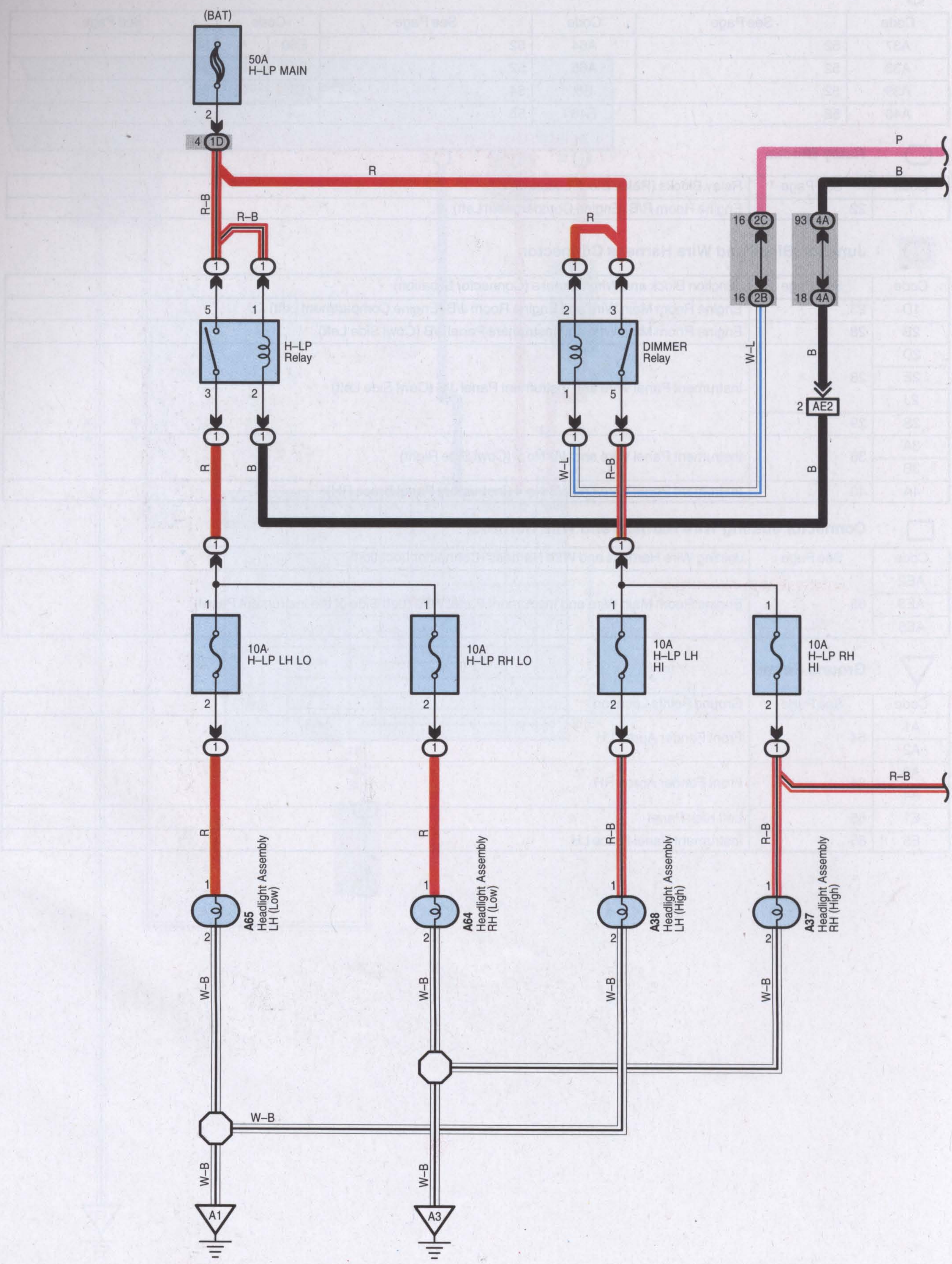
## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE3 | | |
| AE5 | | |

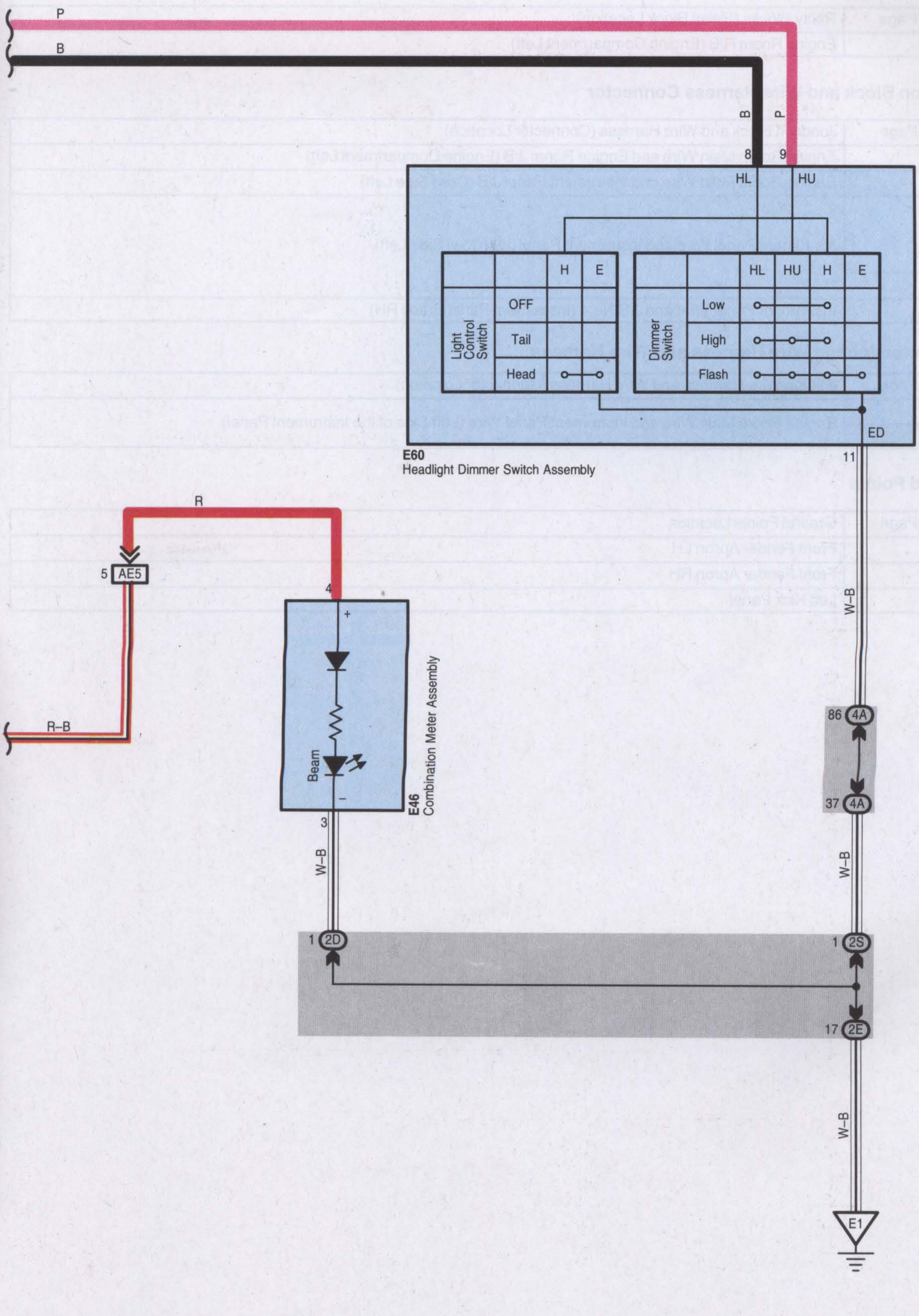
## ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| A2 | | |
| A3 | 64 | Front Fender Apron RH |
| A4 | | |
| E1 | 65 | Left Kick Panel |
| E5 | 65 | Instrument Panel Brace LH |

# 前大灯（不带自动灯控）



(BAT)
50A
H-LP MAIN
4 1D
R
R-B
H-LP
Relay
DIMMER
Relay
P
B
16 2C
16 2B
93 4A
18 4A
W-L
2 AE2
10A
H-LP LH LO
10A
H-LP RH LO
10A
H-LP LH
HI
10A
H-LP RH
HI
W-B
A65
Headlight Assembly
LH (Low)
A64
Headlight Assembly
RH (Low)
A38
Headlight Assembly
LH (High)
A37
Headlight Assembly
RH (High)
A1
A3



P
B
8
9
HL
HU
Light Control Switch
H
E
OFF
Tail
Head
Dimmer Switch
HL
HU
H
E
Low
High
Flash
ED
11
E60
Headlight Dimmer Switch Assembly
R
5
AE5
R–B
4
+
Beam
–
3
E46
Combination Meter Assembly
W–B
86
4A
37
4A
1
2D
1
2S
17
2E
E1

# 前大灯（不带自动灯控）

○ : **Parts Location**

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| A37 | 52 | A64 | 52 | E46 | 55 |
| A38 | 52 | A65 | 52 | E60 | 56 |

▭ : **Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

▭ : **Junction Block and Wire Harness Connector**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1D | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2C | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2D | | |
| 2E | | |
| 2S | 29 | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

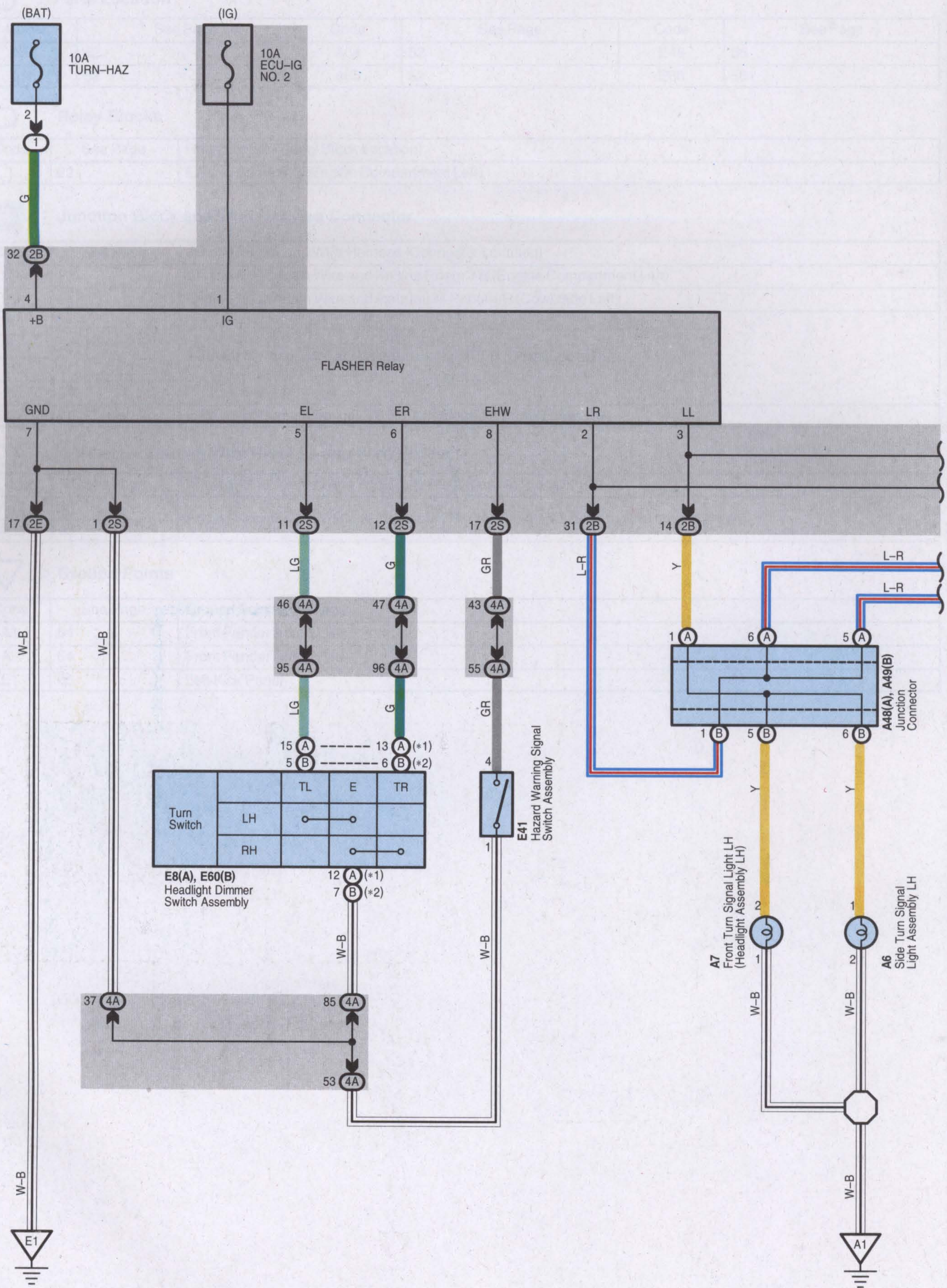
□ : **Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE5 | 65 | |

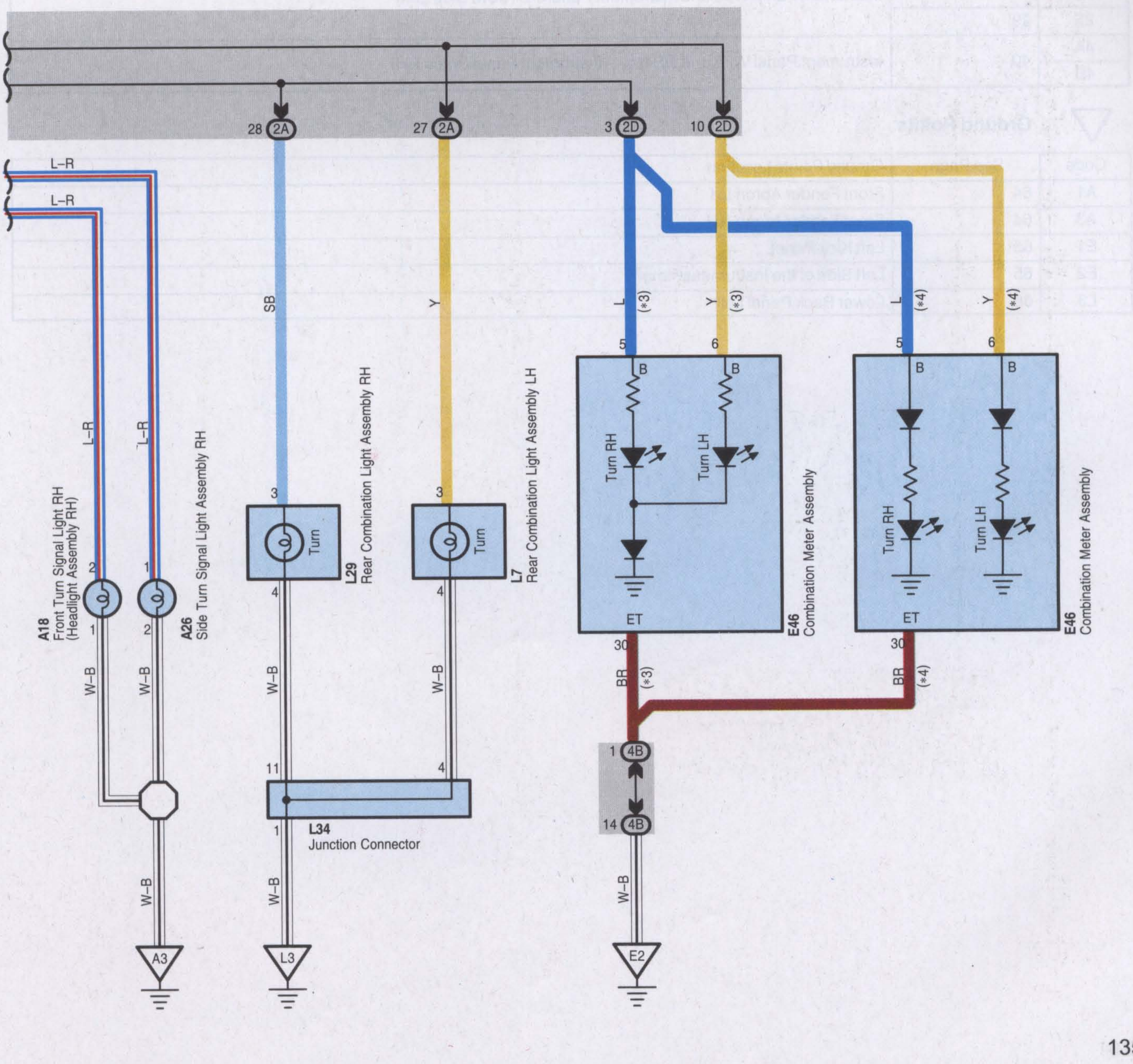
▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| A3 | 64 | Front Fender Apron RH |
| E1 | 65 | Left Kick Panel |

# 转向信号和危险警告灯


(BAT)
10A TURN–HAZ
(IG)
10A ECU–IG NO. 2
FLASHER Relay
+B
IG
GND
EL
ER
EHW
LR
LL
G
LG
GR
W–B
L–R
Y
Turn Switch
LH
RH
TL
E
TR
E8(A), E60(B) Headlight Dimmer Switch Assembly
E41 Hazard Warning Signal Switch Assembly
A48(A), A49(B) Junction Connector
A7 Front Turn Signal Light LH (Headlight Assembly LH)
A6 Side Turn Signal Light Assembly LH
(*1)
(*2)
E1
A1

∗ 1 : w/ Automatic Light Control
∗ 2 : w/o Automatic Light Control
∗ 3 : Optitron Meter
∗ 4 : Except Optitron Meter



# 转向信号和危险警告灯

### ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | See Page |
|---|---|---|---|---|---|---|---|
| A6 | | 52 | A49 | B | 57 | L7 | 59 |
| A7 | | 52 | E8 | A | 54 | L29 | 59 |
| A18 | | 52 | E41 | | 55 | L34 | 59 |
| A26 | | 52 | E46 | | 55 | | |
| A48 | A | 57 | E60 | B | 56 | | |

### : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

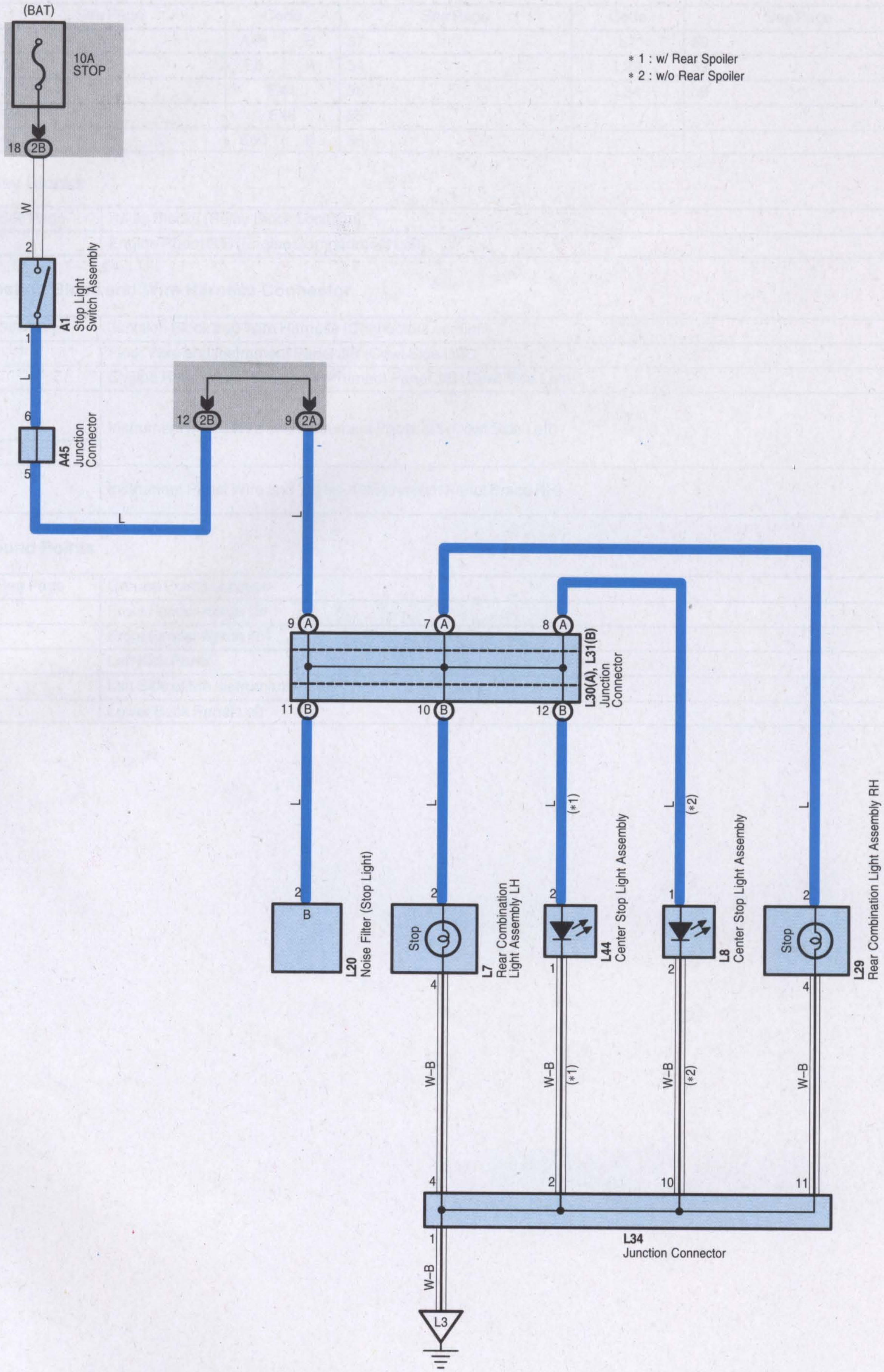
### : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2D | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | | |
| 2S | 29 | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |

### ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| A3 | 64 | Front Fender Apron RH |
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |
| L3 | 66 | Lower Back Panel Left |

## 刹车灯



(BAT)
10A
STOP
18
2B
W
2
1
A1
Stop Light
Switch Assembly
L
6
5
A45
Junction
Connector
L
12
2B
9
2A
L
∗ 1 : w/ Rear Spoiler
∗ 2 : w/o Rear Spoiler
9 A
7 A
8 A
L30(A), L31(B)
Junction
Connector
11 B
10 B
12 B
L
(∗1)
(∗2)
B
L20
Noise Filter (Stop Light)
Stop
L7
Rear Combination
Light Assembly LH
L44
Center Stop Light Assembly
L8
Center Stop Light Assembly
L29
Rear Combination Light Assembly RH
W-B
L34
Junction Connector
L3

**○ : Parts Location**

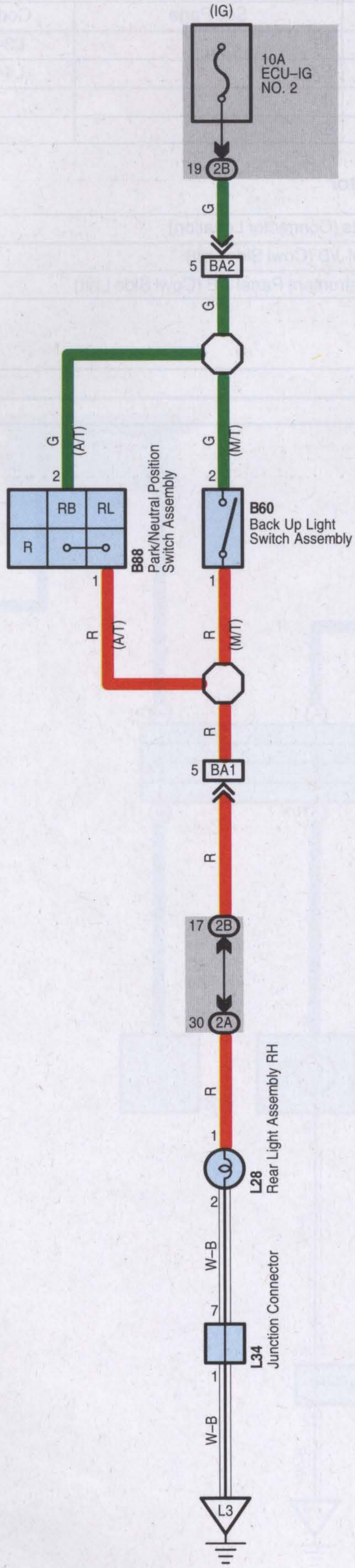
| Code | See Page | Code | | See Page | Code | See Page |
|---|---|---|---|---|---|---|
| A1 | 57 | L20 | | 59 | L34 | 59 |
| A45 | 57 | L29 | | 59 | L44 | 59 |
| L7 | 59 | L30 | A | 59 | | |
| L8 | 59 | L31 | B | 59 | | |

**▢ : Junction Block and Wire Harness Connector**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |

**▽ : Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| L3 | 66 | Lower Back Panel Left |


(IG)
10A
ECU-IG
NO. 2
19
2B
G
5
BA2
G
G
(A/T)
2
RB
RL
R
B88
Park/Neutral Position
Switch Assembly
1
G
(M/T)
2
B60
Back Up Light
Switch Assembly
1
R
(A/T)
R
(M/T)
R
5
BA1
R
17
2B
30
2A
R
1
L28
Rear Light Assembly RH
2
W-B
7
L34
Junction Connector
1
W-B
L3

**○ : Parts Location**

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| B60 | 53 | L28 | 59 | | |
| B88 | 53 | L34 | 59 | | |

**: Junction Block and Wire Harness Connector**

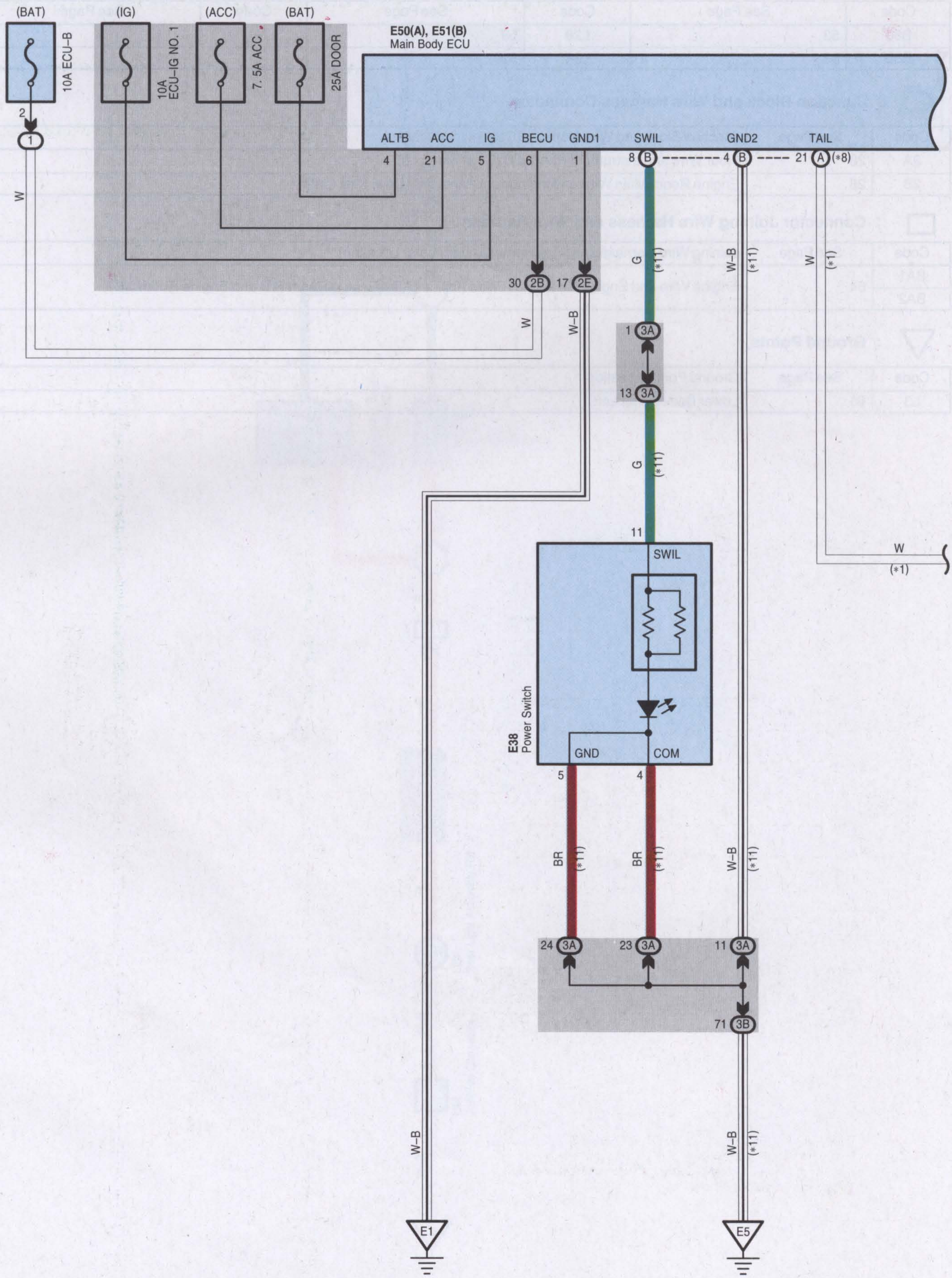
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |

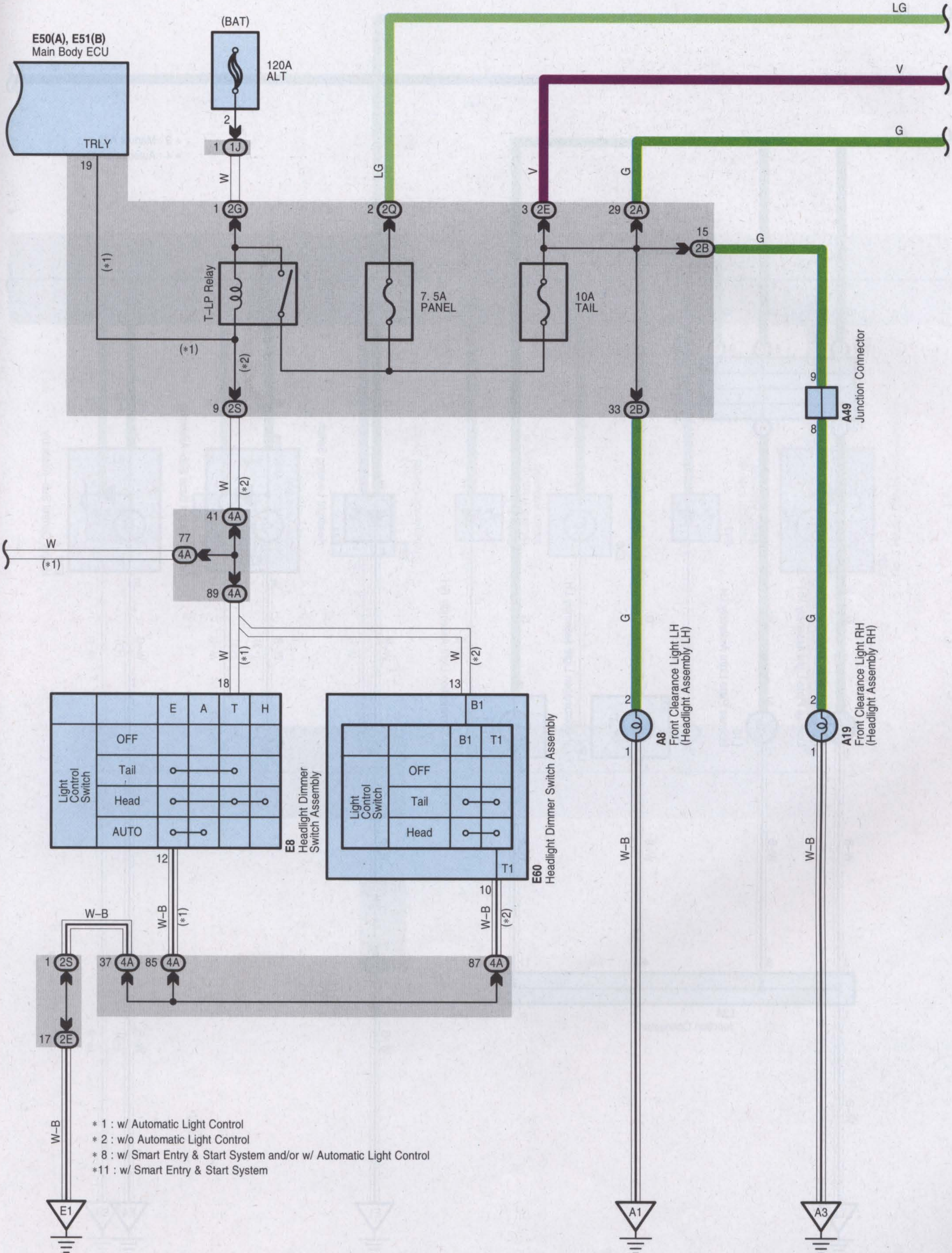
**□ : Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| BA1 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| BA2 | | |

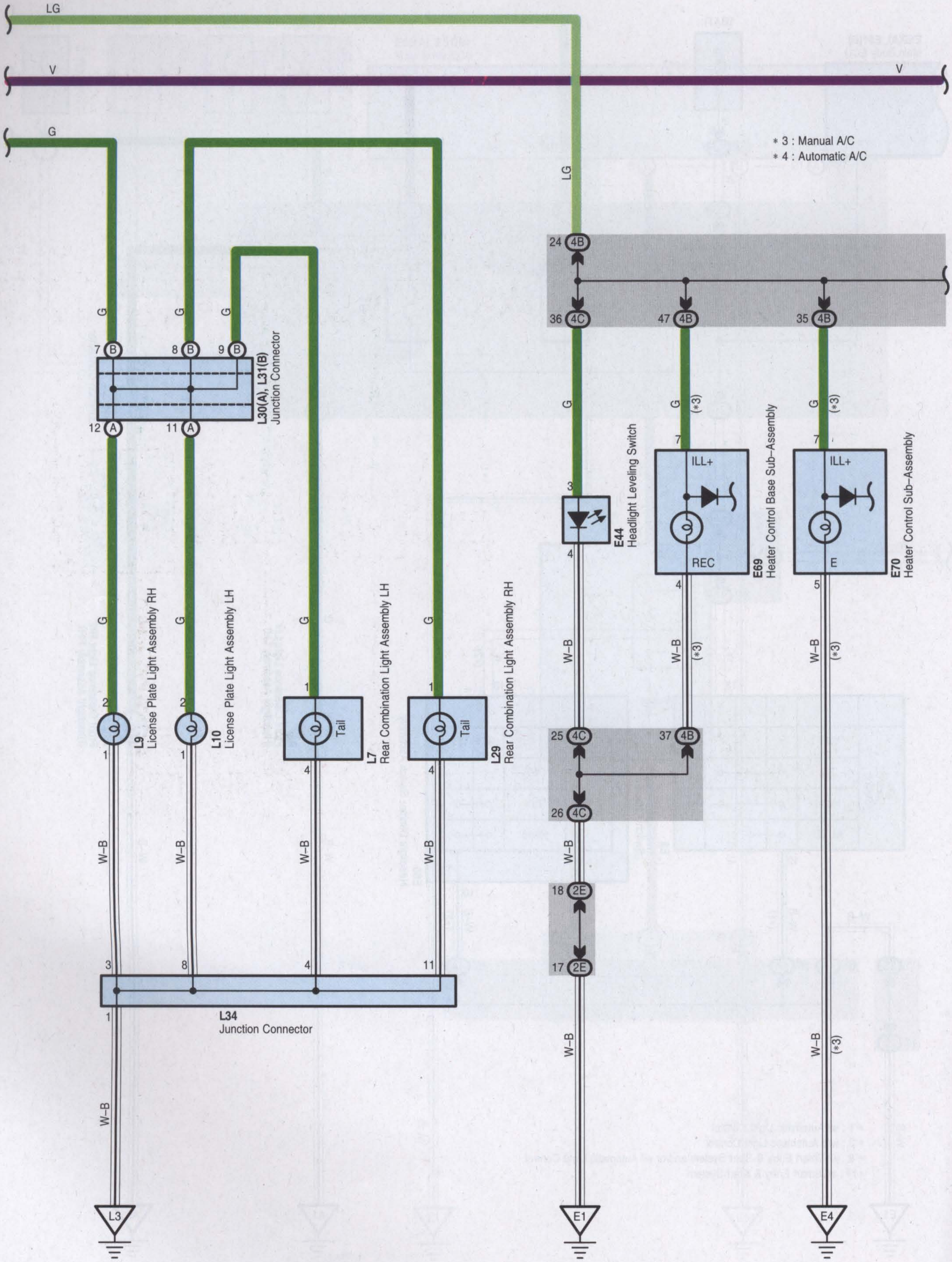
**▽ : Ground Points**

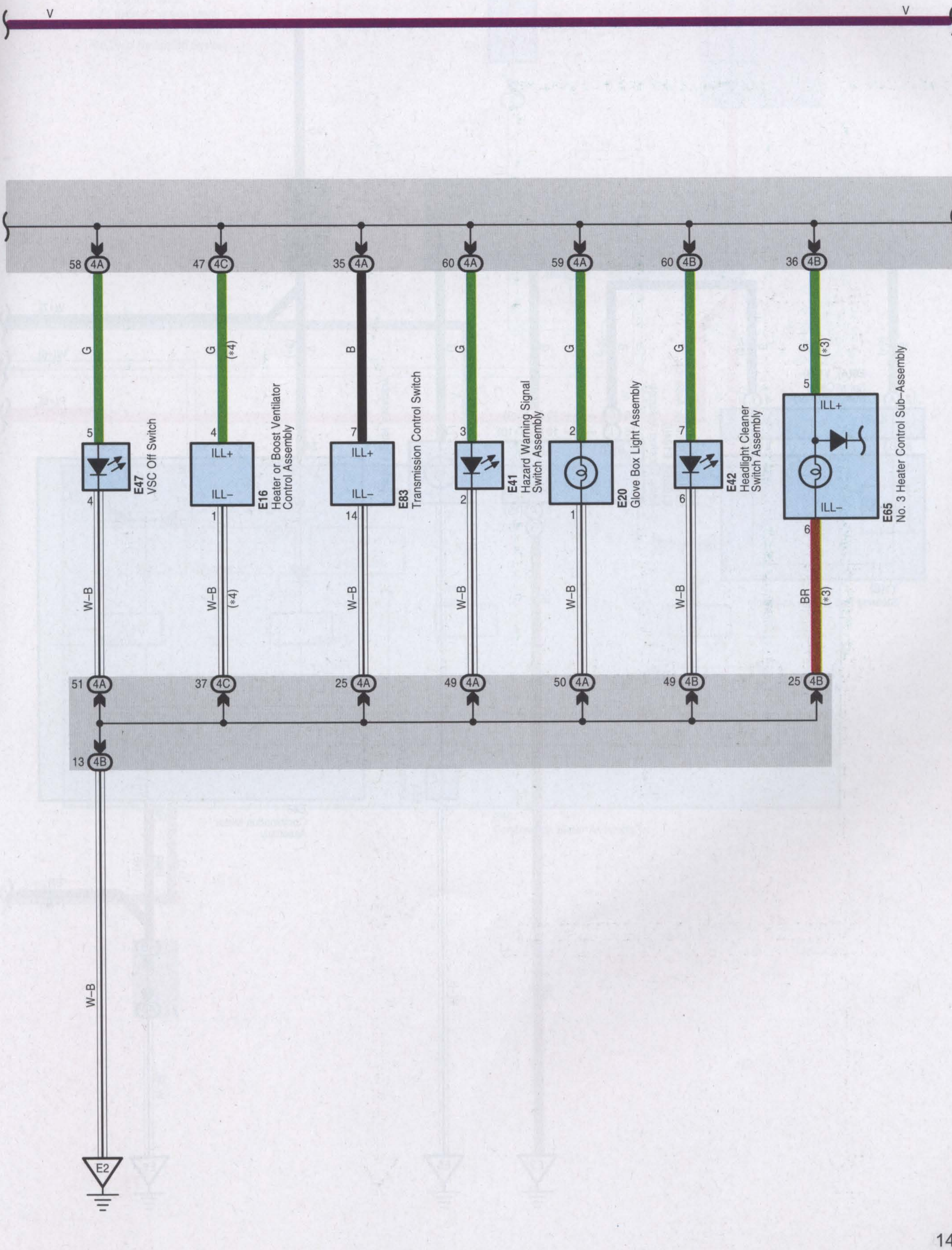
| Code | See Page | Ground Points Location |
|---|---|---|
| L3 | 66 | Lower Back Panel Left |

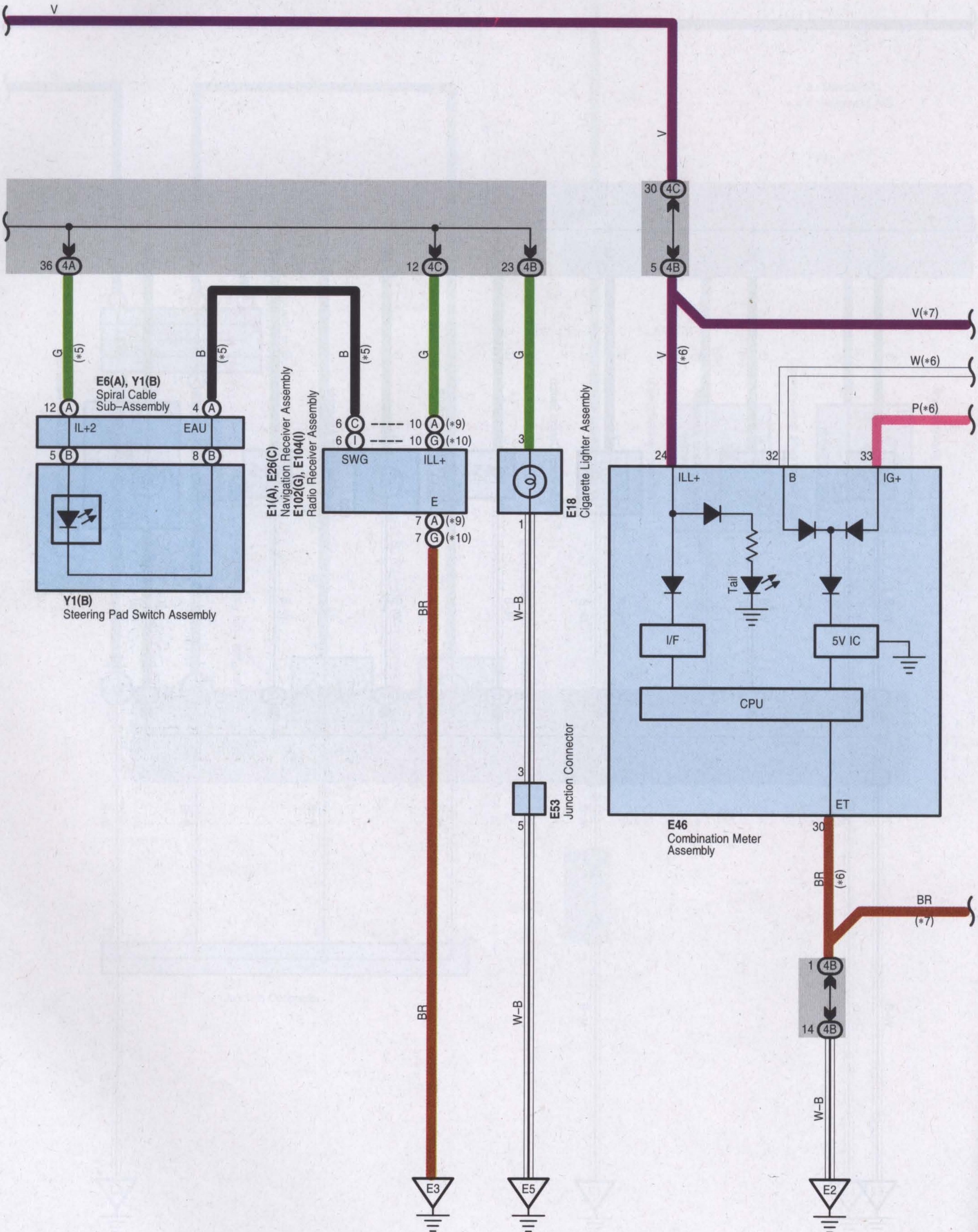

(BAT)
(IG)
(ACC)
(BAT)
10A ECU-B
10A ECU-IG NO. 1
7. 5A ACC
25A DOOR
E50(A), E51(B)
Main Body ECU
ALTB
ACC
IG
BECU
GND1
SWIL
GND2
TAIL
(*8)
(*11)
(*1)
W
G
W-B
BR
SWIL
GND
COM
E38
Power Switch
E1
E5

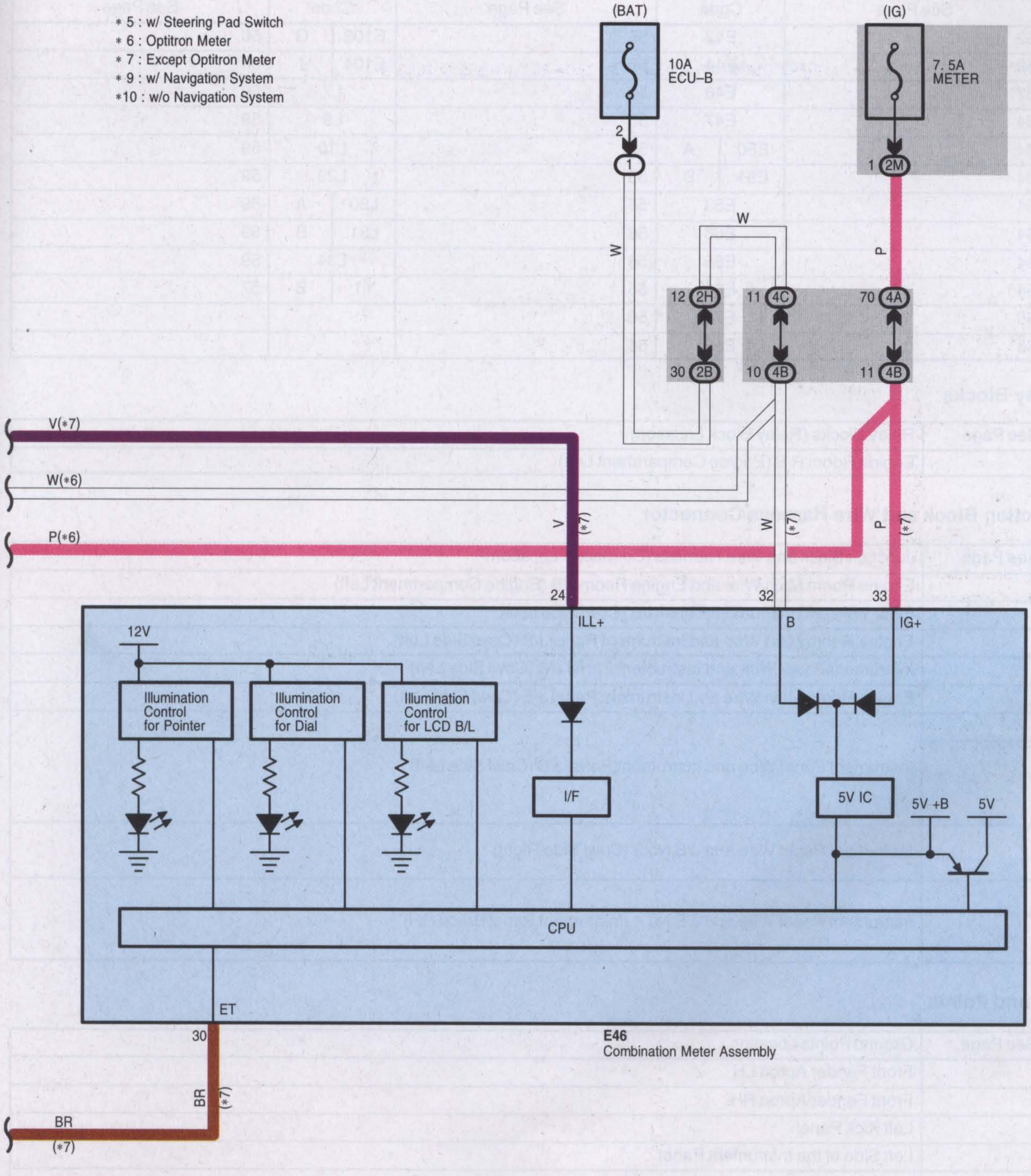



∗ 1 : w/ Automatic Light Control
∗ 2 : w/o Automatic Light Control
∗ 8 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
∗11 : w/ Smart Entry & Start System


LG
V
G
* 3 : Manual A/C
* 4 : Automatic A/C
L30(A), L31(B)
Junction Connector
L9
License Plate Light Assembly RH
L10
License Plate Light Assembly LH
L7
Rear Combination Light Assembly LH
L29
Rear Combination Light Assembly RH
Tail
L34
Junction Connector
E44
Headlight Leveling Switch
E69
Heater Control Base Sub-Assembly
E70
Heater Control Sub-Assembly
ILL+
REC
E
W-B
(*3)
L3
E1
E4


V
V
58 4A
47 4C
35 4A
60 4A
59 4A
60 4B
36 4B
G
G (*4)
B
G
G
G
G (*3)
5
4
7
3
2
7
5
ILL+
ILL+
ILL+
ILL–
ILL–
ILL–
E47 VSC Off Switch
E16 Heater or Boost Ventilator Control Assembly
E83 Transmission Control Switch
E41 Hazard Warning Signal Switch Assembly
E20 Glove Box Light Assembly
E42 Headlight Cleaner Switch Assembly
E65 No. 3 Heater Control Sub-Assembly
4
1
14
2
1
6
6
W–B
W–B (*4)
W–B
W–B
W–B
W–B
BR (*3)
51 4A
37 4C
25 4A
49 4A
50 4A
49 4B
25 4B
13 4B
W–B
E2


V
E6(A), Y1(B)
Spiral Cable Sub–Assembly
IL+2
EAU
Y1(B)
Steering Pad Switch Assembly
E1(A), E26(C)
Navigation Receiver Assembly
E102(G), E104(I)
Radio Receiver Assembly
SWG
ILL+
E
E18
Cigarette Lighter Assembly
E53
Junction Connector
V(*7)
W(*6)
P(*6)
ILL+
B
IG+
Tail
I/F
5V IC
CPU
ET
E46
Combination Meter Assembly
BR
(*7)
E3
E5
E2


* 5 : w/ Steering Pad Switch
* 6 : Optitron Meter
* 7 : Except Optitron Meter
* 9 : w/ Navigation System
*10 : w/o Navigation System
(BAT)
10A
ECU-B
(IG)
7. 5A
METER
2
1
1 2M
W
W
P
12 2H
11 4C
70 4A
30 2B
10 4B
11 4B
V(*7)
W(*6)
P(*6)
V (*7)
W (*7)
P (*7)
24
32
33
ILL+
B
IG+
12V
Illumination Control for Pointer
Illumination Control for Dial
Illumination Control for LCD B/L
I/F
5V IC
5V +B
5V
CPU
ET
30
E46
Combination Meter Assembly
BR (*7)
BR
(*7)

## ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A8 | | 52 | E42 | | 55 | E102 | G | 56 |
| A19 | | 52 | E44 | | 55 | E104 | I | 56 |
| A49 | | 57 | E46 | | 55 | L7 | | 59 |
| E1 | A | 54 | E47 | | 55 | L9 | | 59 |
| E6 | A | 54 | E50 | A | 55 | L10 | | 59 |
| E8 | | 54 | E51 | B | 55 | L29 | | 59 |
| E16 | | 54 | E53 | | 55 | L30 | A | 59 |
| E18 | | 54 | E60 | | 56 | L31 | B | 59 |
| E20 | | 54 | E65 | | 56 | L34 | | 59 |
| E26 | C | 54 | E69 | | 56 | Y1 | B | 57 |
| E38 | | 55 | E70 | | 56 | | | |
| E41 | | 55 | E83 | | 56 | | | |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

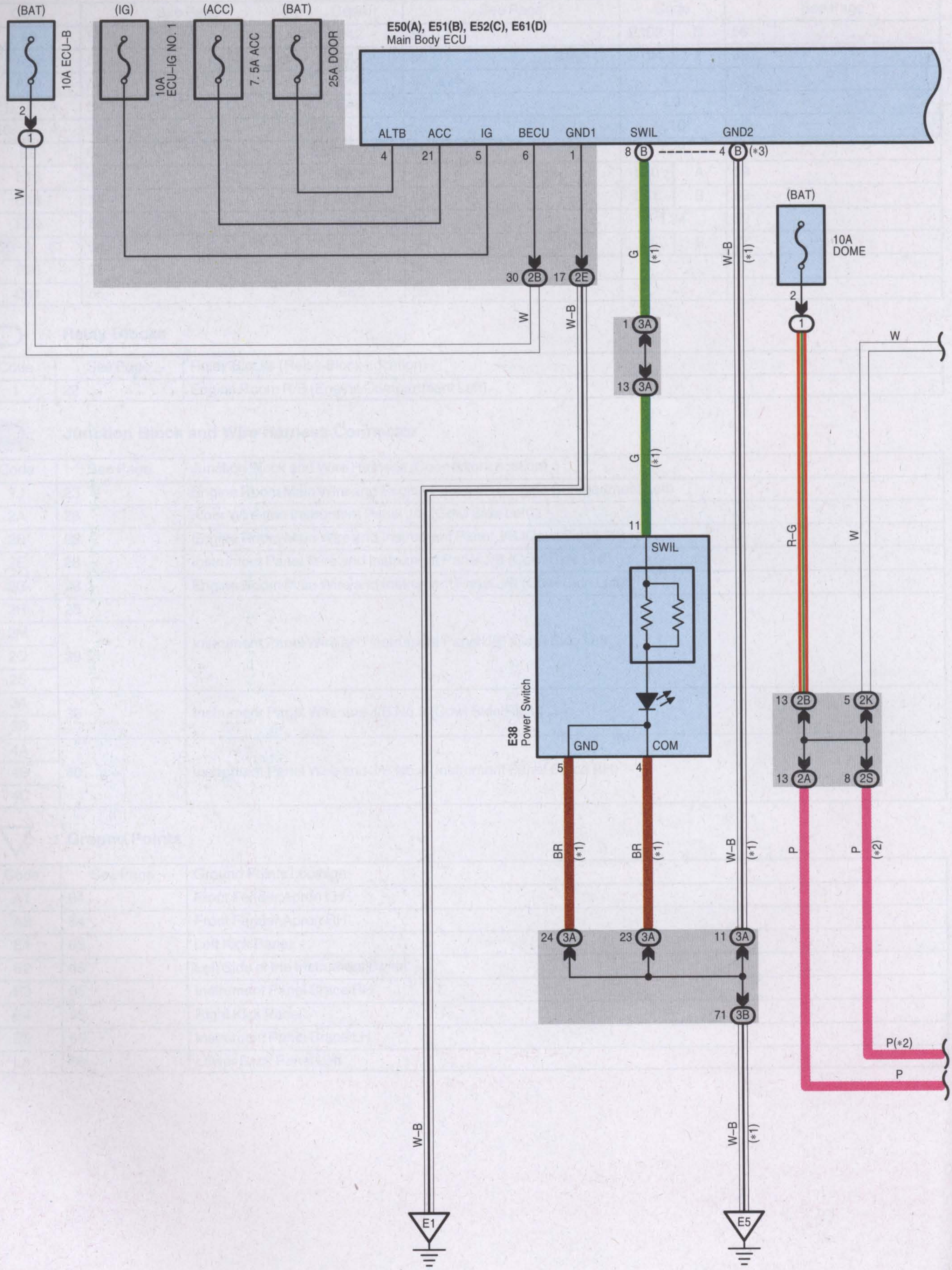
## : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1J | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2G | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | |
| 2Q | | |
| 2S | | |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

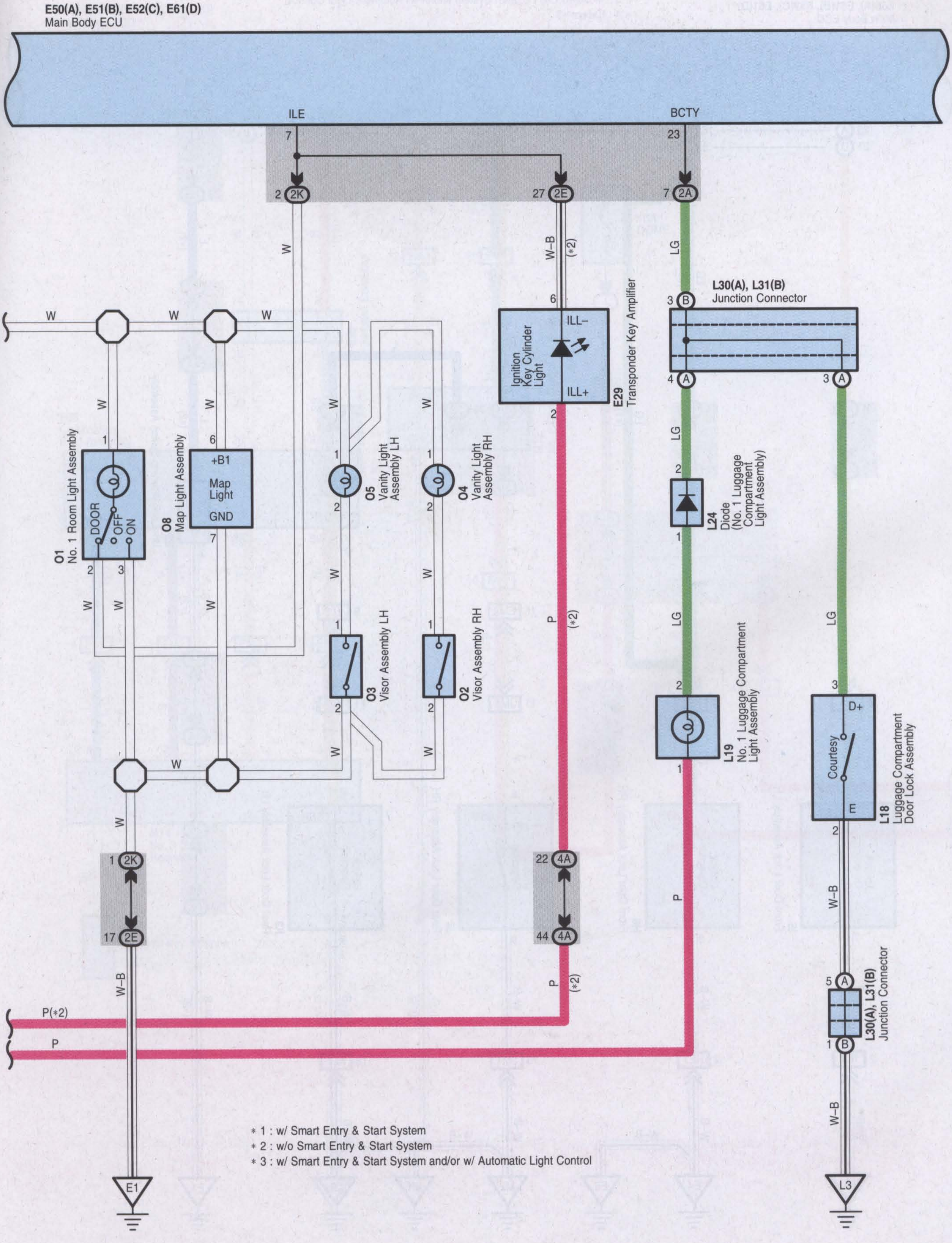
## ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| A3 | 64 | Front Fender Apron RH |
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |
| E3 | 65 | Instrument Panel Brace RH |
| E4 | 65 | Right Kick Panel |
| E5 | 65 | Instrument Panel Brace LH |
| L3 | 66 | Lower Back Panel Left |

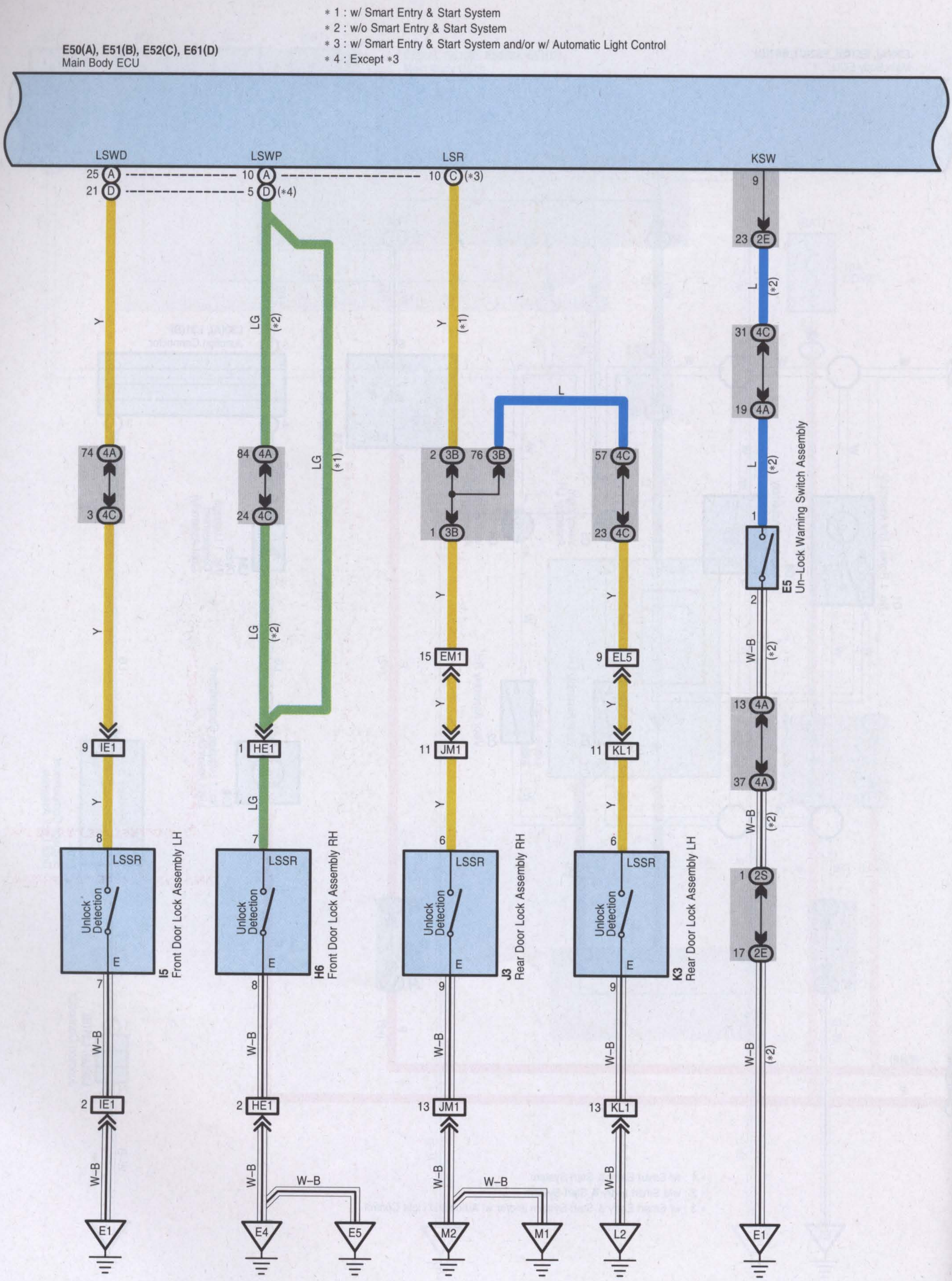
# 车内照明灯



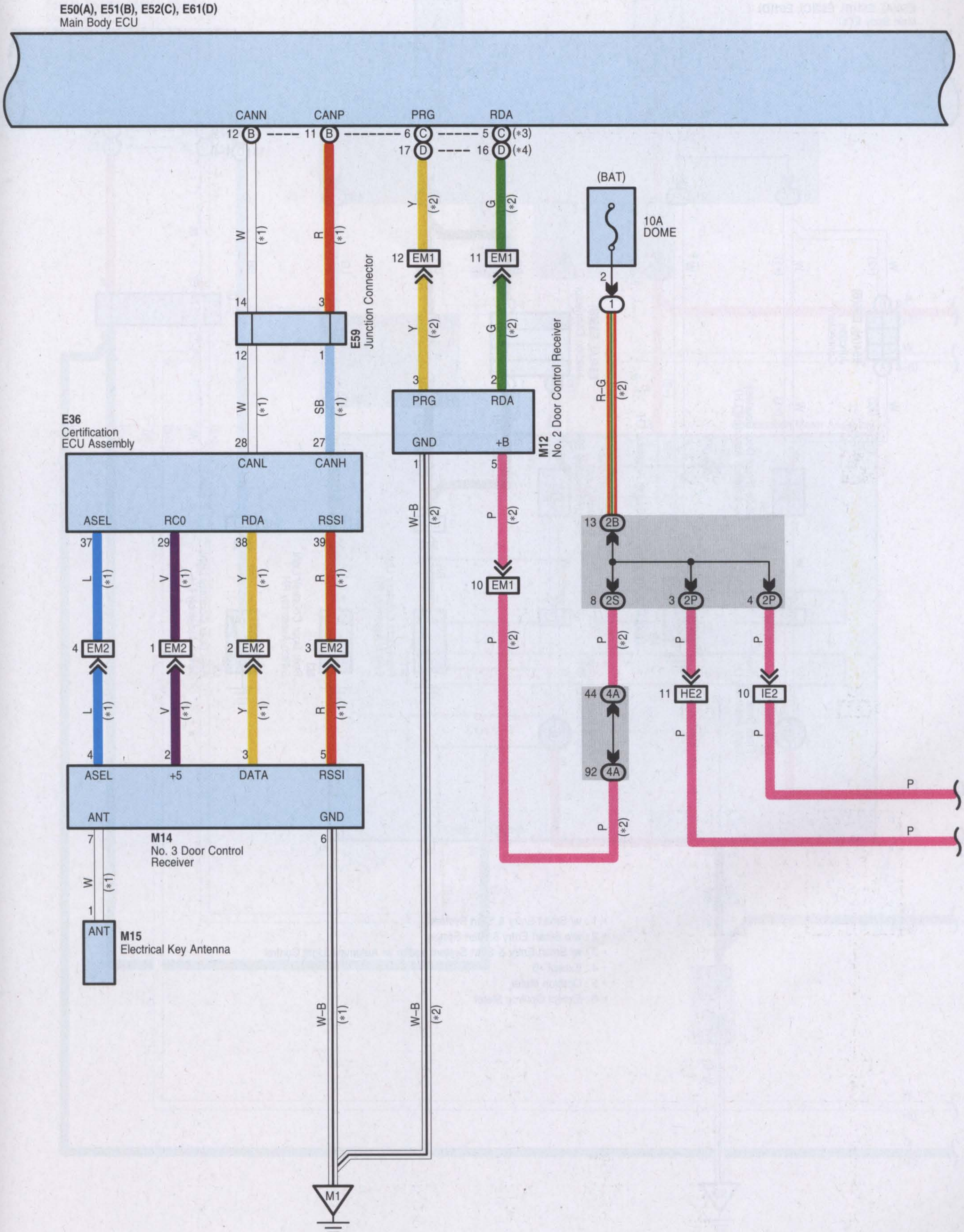
(BAT)
10A ECU-B
(IG)
10A ECU-IG NO. 1
(ACC)
7. 5A ACC
(BAT)
25A DOOR
E50(A), E51(B), E52(C), E61(D)
Main Body ECU
ALTB
ACC
IG
BECU
GND1
SWIL
GND2
(*3)
(BAT)
10A DOME
E38
Power Switch
SWIL
GND
COM
W
W-B
G
(*1)
R-G
BR
P
(*2)
P(*2)
E1
E5



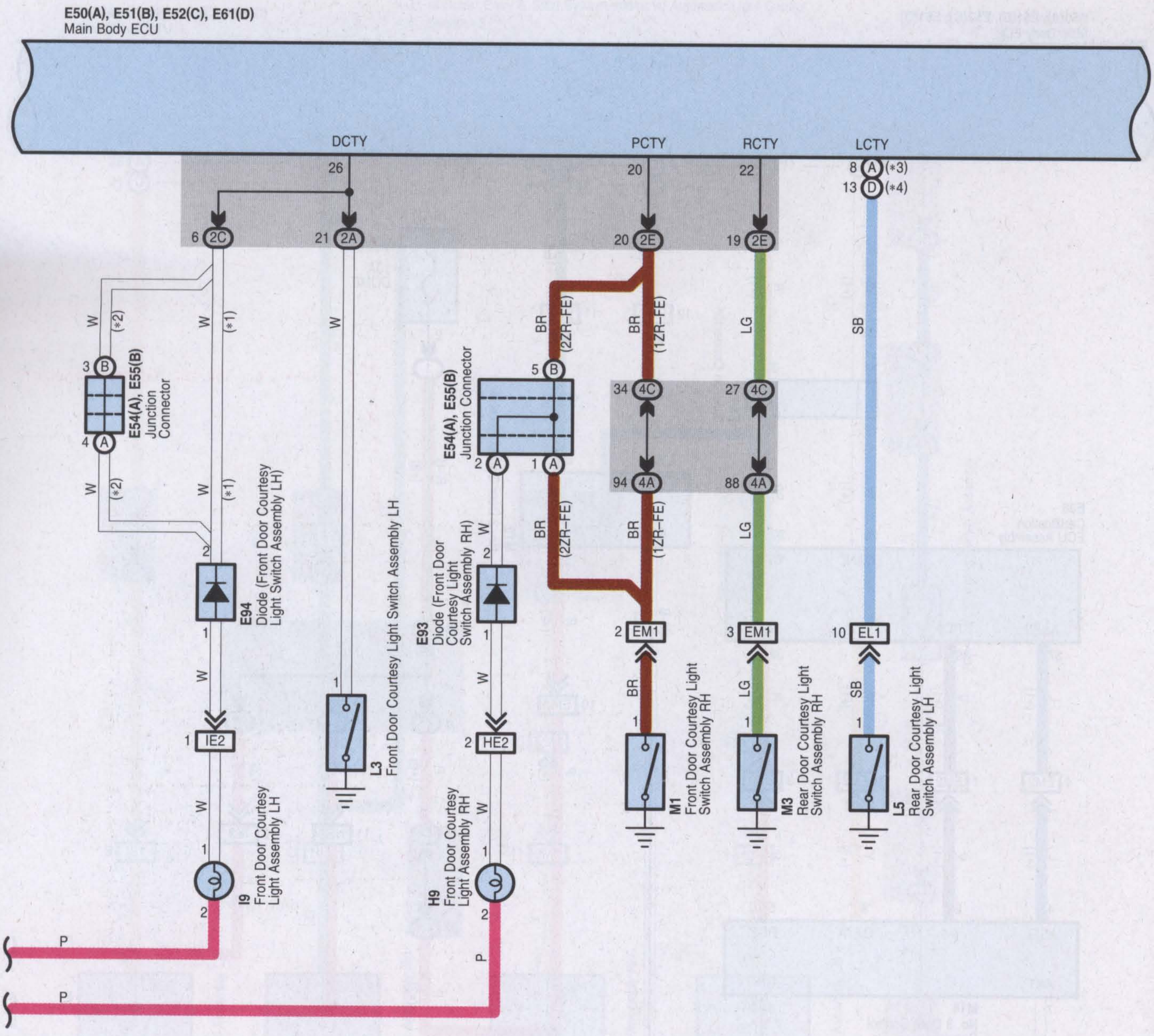

＊1 : w/ Smart Entry & Start System
＊2 : w/o Smart Entry & Start System
＊3 : w/ Smart Entry & Start System and/or w/ Automatic Light Control



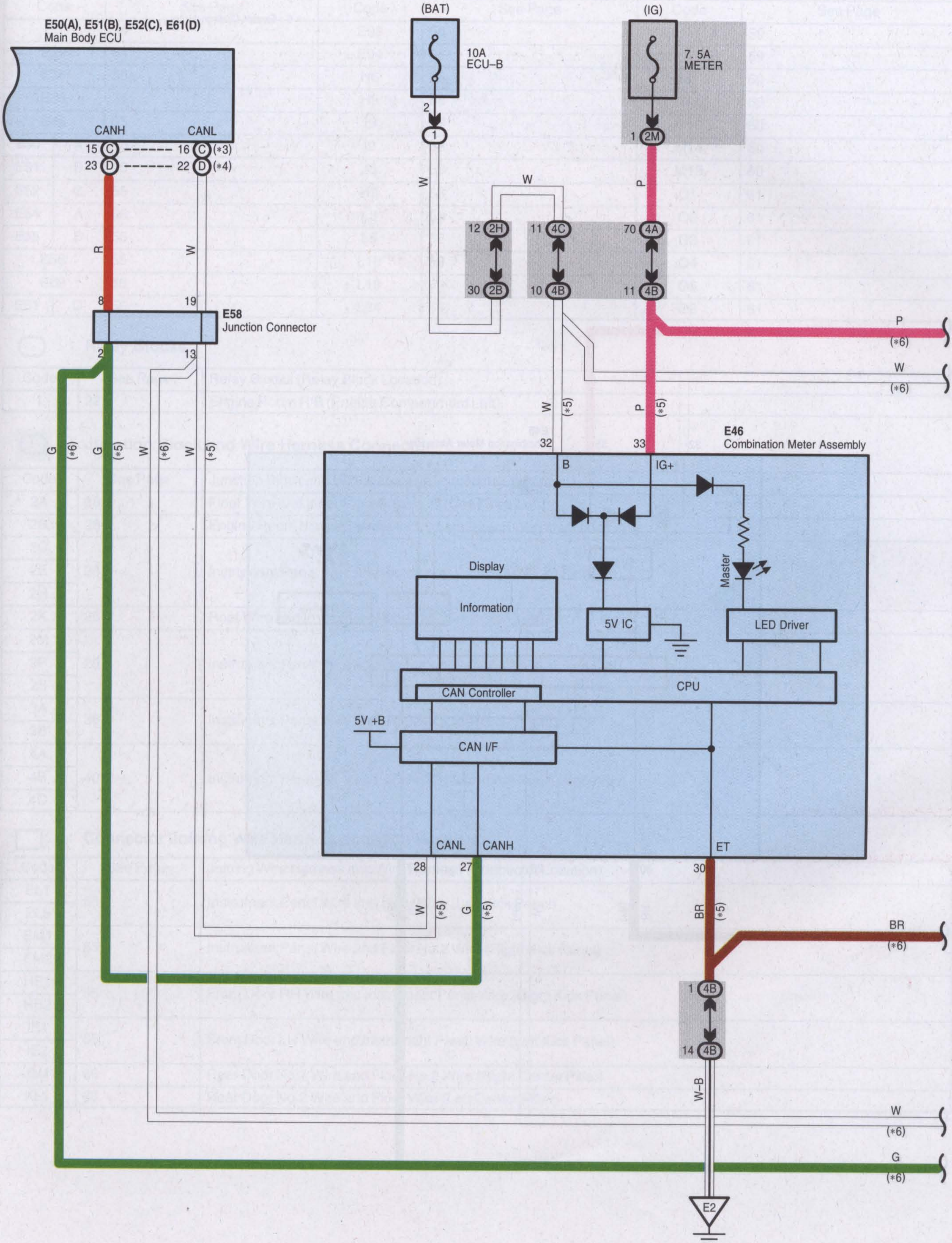
∗ 1 : w/ Smart Entry & Start System
∗ 2 : w/o Smart Entry & Start System
∗ 3 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
∗ 4 : Except ∗3
E50(A), E51(B), E52(C), E61(D)
Main Body ECU
LSWD
LSWP
LSR
KSW
I5
Front Door Lock Assembly LH
H6
Front Door Lock Assembly RH
J3
Rear Door Lock Assembly RH
K3
Rear Door Lock Assembly LH
E5
Un-Lock Warning Switch Assembly
LSSR
Unlock Detection
E
IE1
HE1
EM1
JM1
EL5
KL1
W-B
E1
E4
E5
M2
M1
L2



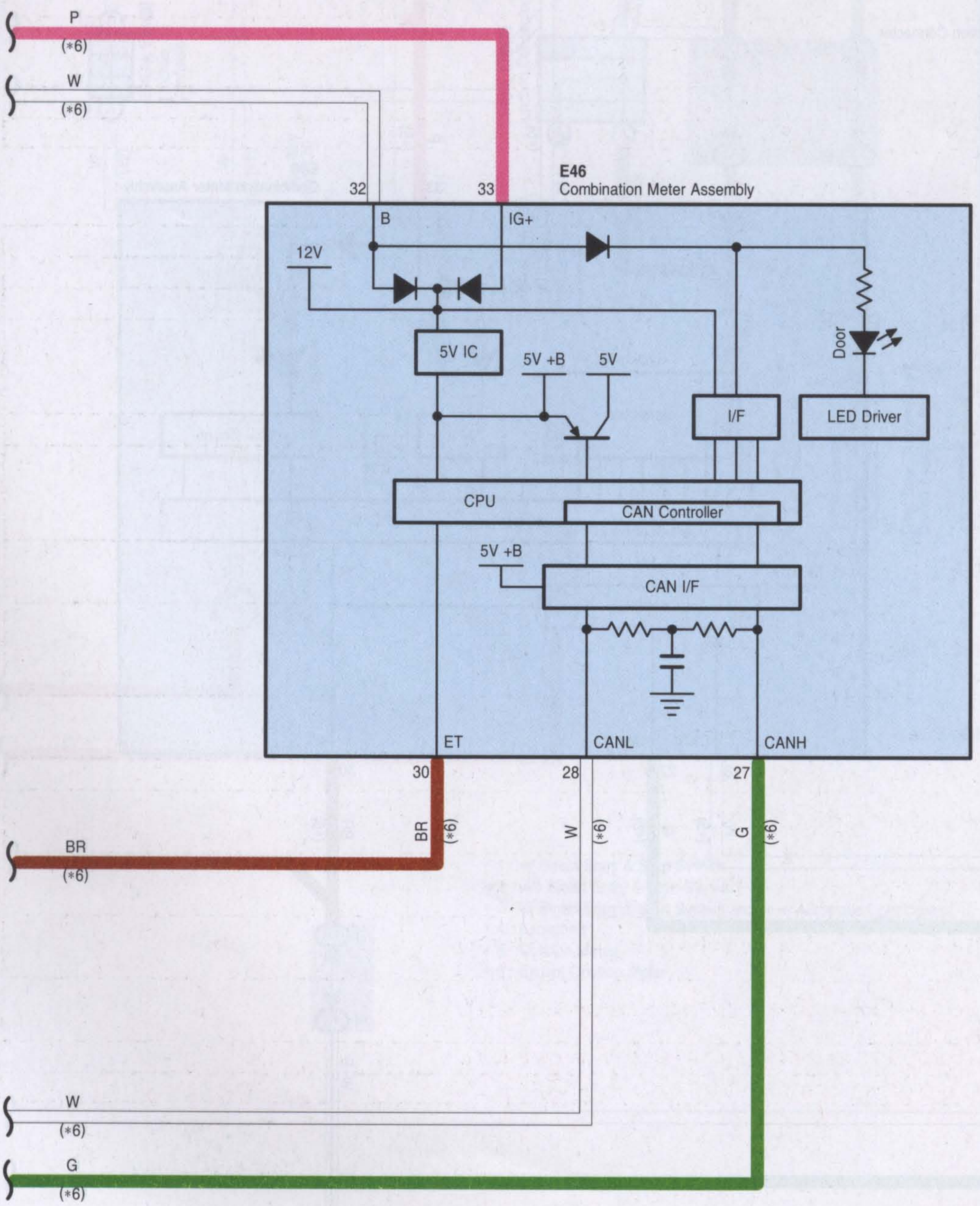
E50(A), E51(B), E52(C), E61(D)
Main Body ECU
CANN
CANP
PRG
RDA
12 B
11 B
6 C
5 C (*3)
17 D
16 D (*4)
W (*1)
R (*1)
Y (*2)
G (*2)
12 EM1
11 EM1
14
3
12
1
E59
Junction Connector
SB (*1)
3
2
PRG
RDA
GND
+B
M12
No. 2 Door Control Receiver
1
5
W-B (*2)
P (*2)
10 EM1
(BAT)
10A
DOME
2
1
R–G (*2)
13 2B
8 2S
3 2P
4 2P
P (*2)
P
11 HE2
10 IE2
44 4A
92 4A
E36
Certification
ECU Assembly
28
27
CANL
CANH
ASEL
RC0
RDA
RSSI
37
29
38
39
L (*1)
V (*1)
Y (*1)
R (*1)
4 EM2
1 EM2
2 EM2
3 EM2
4
2
3
5
ASEL
+5
DATA
RSSI
ANT
GND
7
6
M14
No. 3 Door Control
Receiver
W (*1)
1
ANT
M15
Electrical Key Antenna
W-B (*1)
W-B (*2)
M1




* 1 : w/ Smart Entry & Start System
* 2 : w/o Smart Entry & Start System
* 3 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
* 4 : Except *3
* 5 : Optitron Meter
* 6 : Except Optitron Meter


E50(A), E51(B), E52(C), E61(D)
Main Body ECU
CANH
CANL
(*3)
(*4)
(BAT)
10A
ECU–B
(IG)
7. 5A
METER
E58
Junction Connector
E46
Combination Meter Assembly
B
IG+
Display
Information
5V IC
Master
LED Driver
CPU
CAN Controller
5V +B
CAN I/F
CANL
CANH
ET
E2
(*5)
(*6)

∗6 : Except Optitron Meter



## ○ : Parts Location

| Code | | See Page | Code | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|
| E5 | | 54 | E93 | 56 | L30 | A | 59 |
| E29 | | 54 | E94 | 56 | L31 | B | 59 |
| E36 | | 55 | H6 | 58 | M1 | | 60 |
| E38 | | 55 | H9 | 58 | M3 | | 60 |
| E46 | | 55 | I5 | 58 | M12 | | 60 |
| E50 | A | 55 | I9 | 58 | M14 | | 60 |
| E51 | B | 55 | J3 | 58 | M15 | | 60 |
| E52 | C | 55 | K3 | 58 | O1 | | 61 |
| E54 | A | 55 | L3 | 59 | O2 | | 61 |
| E55 | B | 55 | L5 | 59 | O3 | | 61 |
| E58 | | 55 | L18 | 59 | O4 | | 61 |
| E59 | | 55 | L19 | 59 | O5 | | 61 |
| E61 | D | 56 | L24 | 59 | O8 | | 61 |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

## : Junction Block and Wire Harness Connector

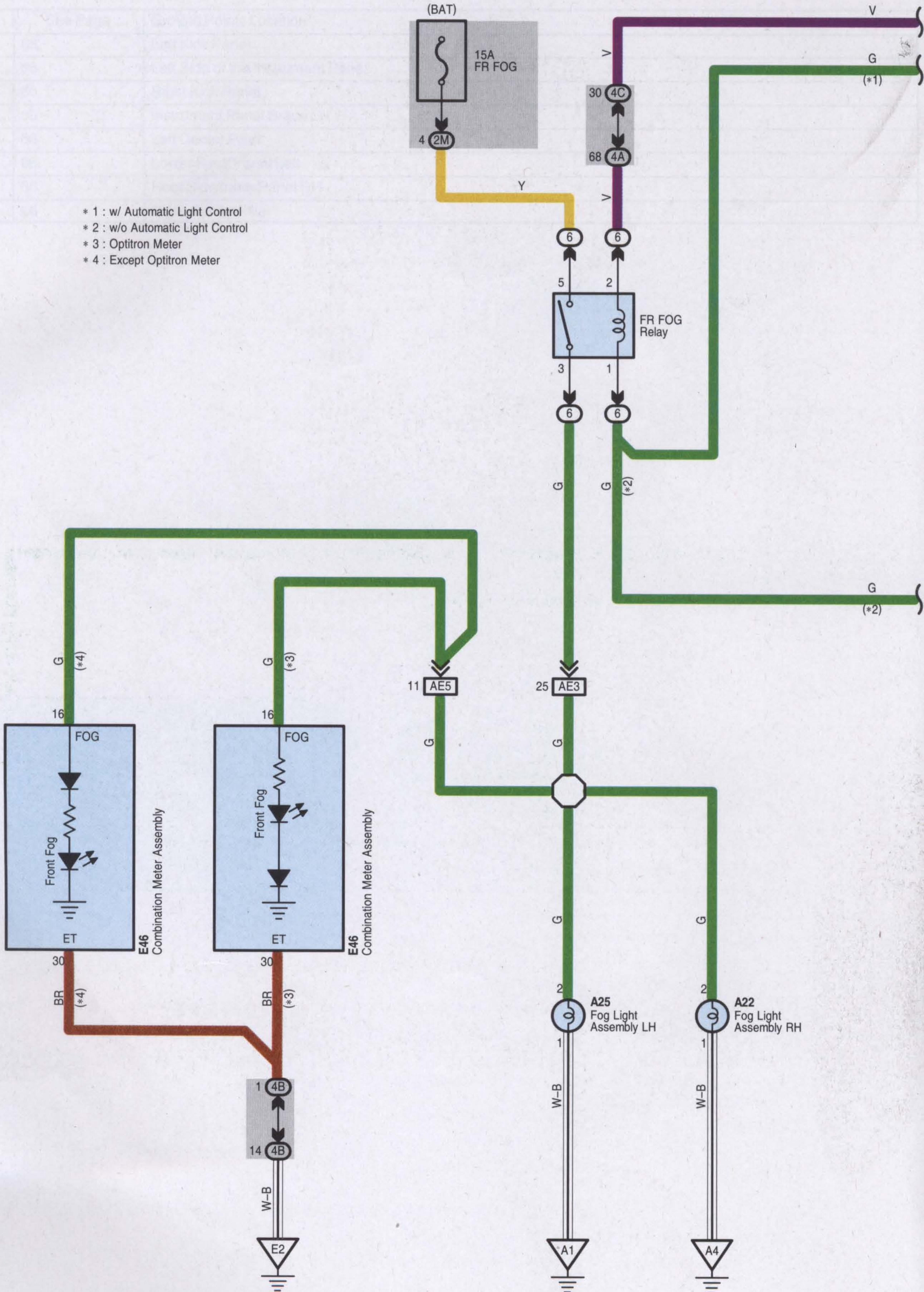
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2C | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | | |
| 2H | | |
| 2K | 28 | Roof Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2P | | |
| 2S | | |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

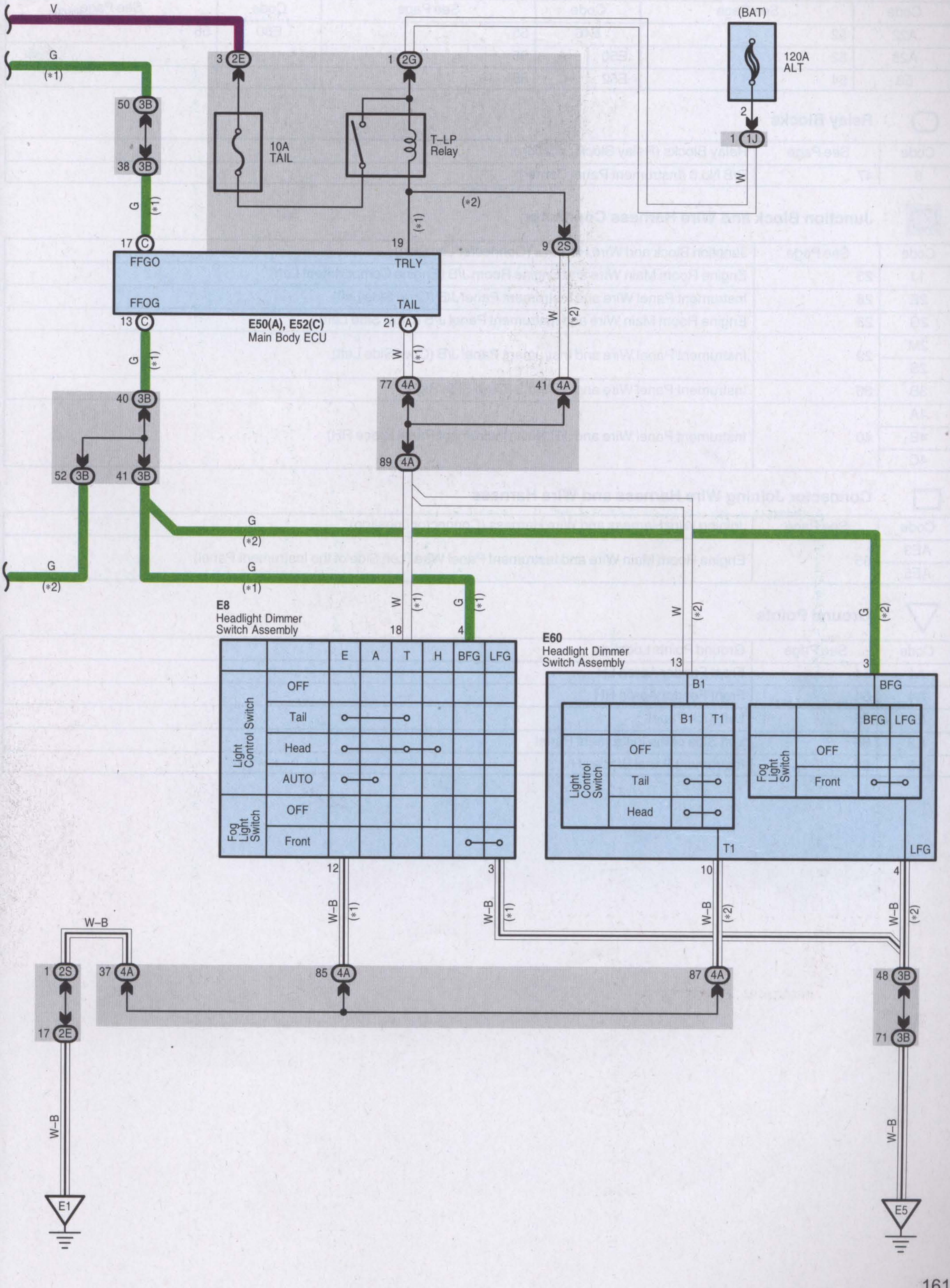
## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| EL1 | 65 | Instrument Panel Wire and Floor Wire (Left Kick Panel) |
| EL5 | | |
| EM1 | 65 | Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel) |
| EM2 | | |
| HE1 | 65 | Front Door RH Wire and Instrument Panel Wire (Right Kick Panel) |
| HE2 | | |
| IE1 | 65 | Front Door LH Wire and Instrument Panel Wire (Left Kick Panel) |
| IE2 | | |
| JM1 | 66 | Rear Door No.1 Wire and Floor No.2 Wire (Right Center Pillar) |
| KL1 | 66 | Rear Door No.2 Wire and Floor Wire (Left Center Pillar) |

▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |
| E4 | 65 | Right Kick Panel |
| E5 | 65 | Instrument Panel Brace LH |
| L2 | 66 | Left Center Pillar |
| L3 | 66 | Lower Back Panel Left |
| M1 | 66 | Roof Side Inner Panel RH |
| M2 | 66 | Right Center Pillar |


(BAT)
15A
FR FOG
4 2M
Y
V
G
(*1)
30 4C
68 4A
6
5
2
FR FOG
Relay
3
1
(*2)
* 1 : w/ Automatic Light Control
* 2 : w/o Automatic Light Control
* 3 : Optitron Meter
* 4 : Except Optitron Meter
(*4)
(*3)
16
FOG
Front Fog
ET
30
E46
Combination Meter Assembly
11 AE5
25 AE3
BR
1 4B
14 4B
W-B
E2
A25
Fog Light
Assembly LH
A22
Fog Light
Assembly RH
A1
A4



V
G
(*1)
50 3B
38 3B
3 2E
10A TAIL
1 2G
T-LP Relay
(*2)
(BAT)
120A ALT
2
1 1J
W
17 C
FFGO
FFOG
13 C
19
TRLY
TAIL
21 A
9 2S
E50(A), E52(C)
Main Body ECU
W (*2)
W (*1)
77 4A
41 4A
89 4A
40 3B
52 3B
41 3B
G (*2)
G (*1)
G (*2)
W (*1)
G (*1)
W (*2)
G (*2)
E8
Headlight Dimmer Switch Assembly
18
4
E A T H BFG LFG
Light Control Switch
OFF
Tail
Head
AUTO
Fog Light Switch
OFF
Front
12
3
E60
Headlight Dimmer Switch Assembly
13
3
B1
BFG
B1 T1
OFF
Tail
Head
T1
BFG LFG
OFF
Front
LFG
10
4
W-B (*1)
W-B (*1)
W-B (*2)
W-B (*2)
W-B
1 2S
37 4A
85 4A
87 4A
48 3B
17 2E
71 3B
W-B
W-B
E1
E5

○ : **Parts Location**

| Code | See Page | Code | | See Page | Code | See Page |
|---|---|---|---|---|---|---|
| A22 | 52 | E46 | | 55 | E60 | 56 |
| A25 | 52 | E50 | A | 55 | | |
| E8 | 54 | E52 | C | 55 | | |

: **Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 6 | 47 | R/B No.6 (Instrument Panel Center) |

: **Junction Block and Wire Harness Connector**

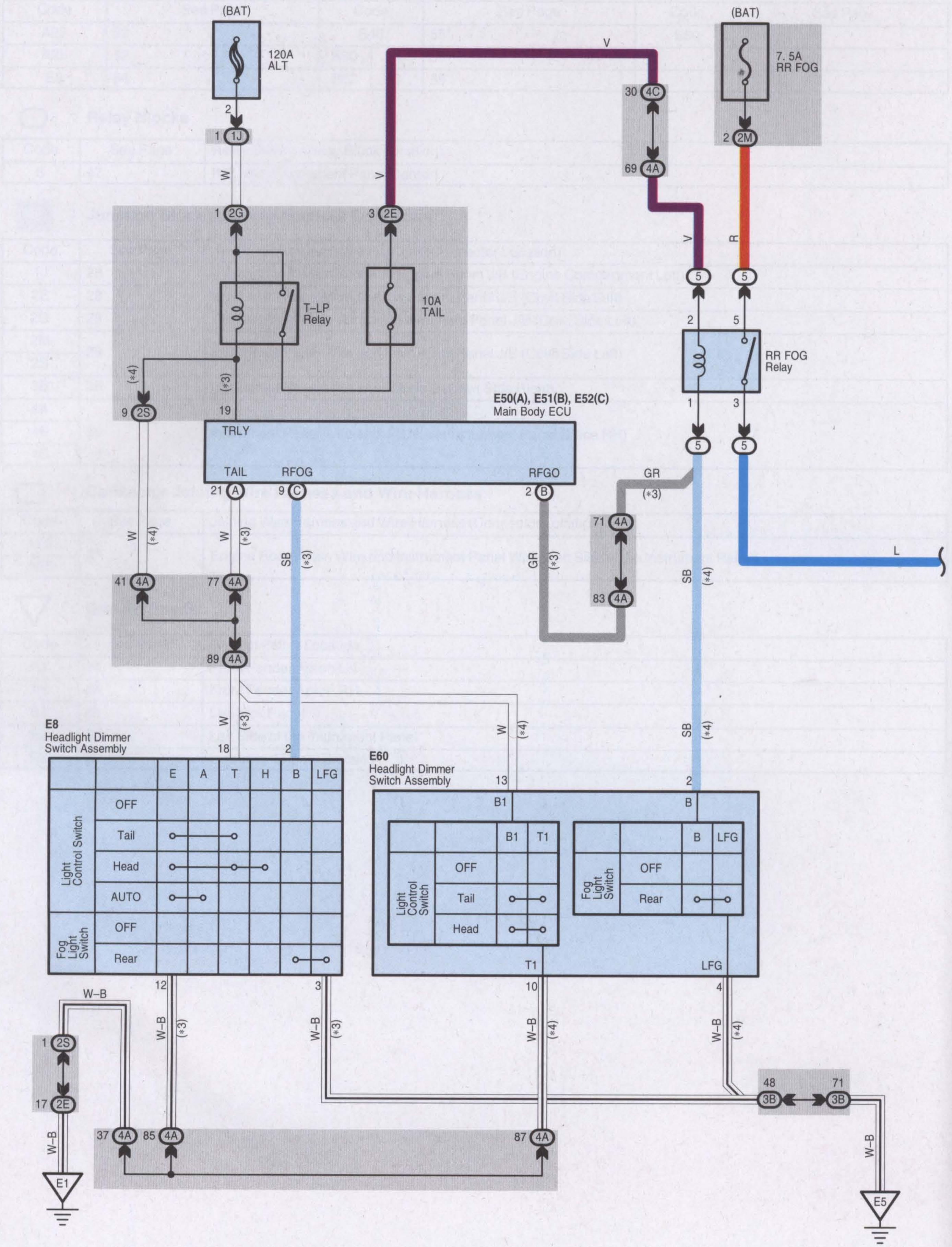
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1J | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2G | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M<br>2S | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 3B | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 4A<br>4B<br>4C | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

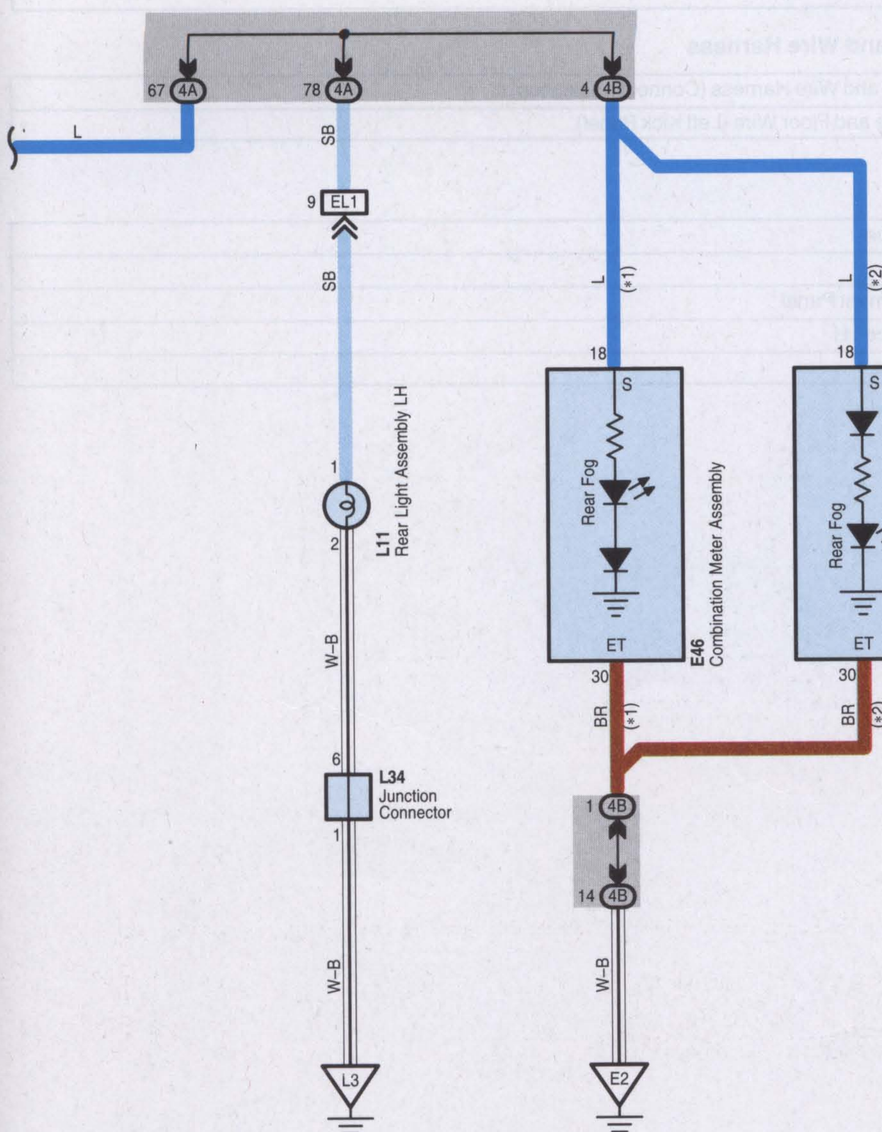
□ : **Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE3<br>AE5 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |

▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| A4 | 64 | Front Fender Apron RH |
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |
| E5 | 65 | Instrument Panel Brace LH |


(BAT)
120A ALT
(BAT)
7. 5A RR FOG
T–LP Relay
10A TAIL
RR FOG Relay
E50(A), E51(B), E52(C)
Main Body ECU
TRLY
TAIL
RFOG
RFGO
E8
Headlight Dimmer Switch Assembly
Light Control Switch
Fog Light Switch
OFF
Tail
Head
AUTO
OFF
Rear
E A T H B LFG
E60
Headlight Dimmer Switch Assembly
B1 T1
B LFG
OFF
Tail
Head
OFF
Rear
E1
E5



* 1 : Optitron Meter
* 2 : Except Optitron Meter
* 3 : w/ Automatic Light Control
* 4 : w/o Automatic Light Control
67 4A
78 4A
4 4B
L
SB
9 EL1
SB
L (*1)
L (*2)
18
S
18
S
Rear Fog
Rear Fog
E46 Combination Meter Assembly
E46 Combination Meter Assembly
ET
ET
30
30
BR (*1)
BR (*2)
1
2
L11 Rear Light Assembly LH
W-B
6
L34 Junction Connector
1
1 4B
14 4B
W-B
W-B
L3
E2

# 后雾灯

## ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | See Page |
|---|---|---|---|---|---|---|---|
| E8 | | 54 | E51 | B | 55 | L11 | 59 |
| E46 | | 55 | E52 | C | 55 | L34 | 59 |
| E50 | A | 55 | E60 | | 56 | | |

## ⬭ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 5 | 46 | R/B No.5 (Instrument Panel Center) |

## ⬬ : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1J | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2G | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M<br>2S | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 3B | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 4A<br>4B<br>4C | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

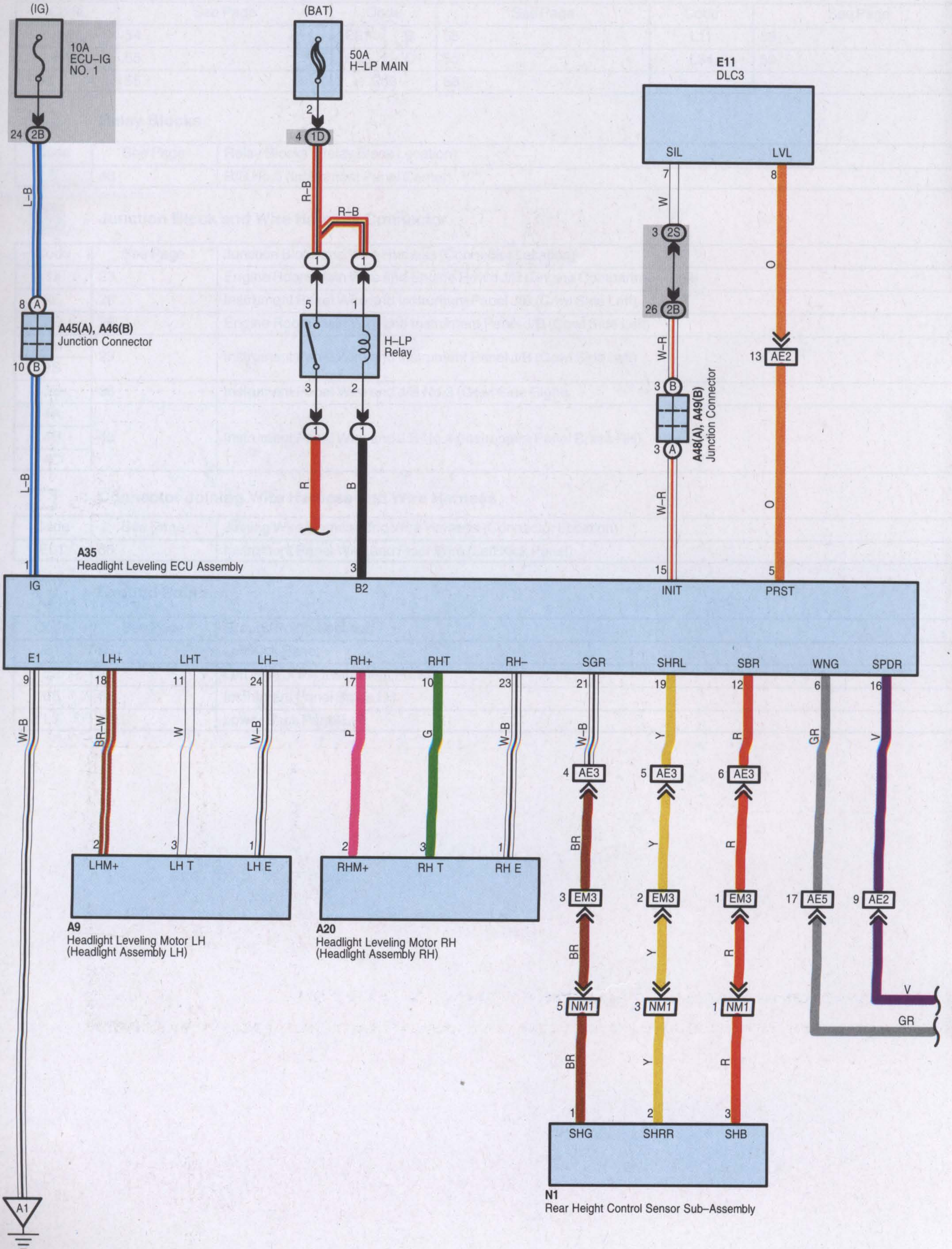
## □ : Connector Joining Wire Harness and Wire Harness

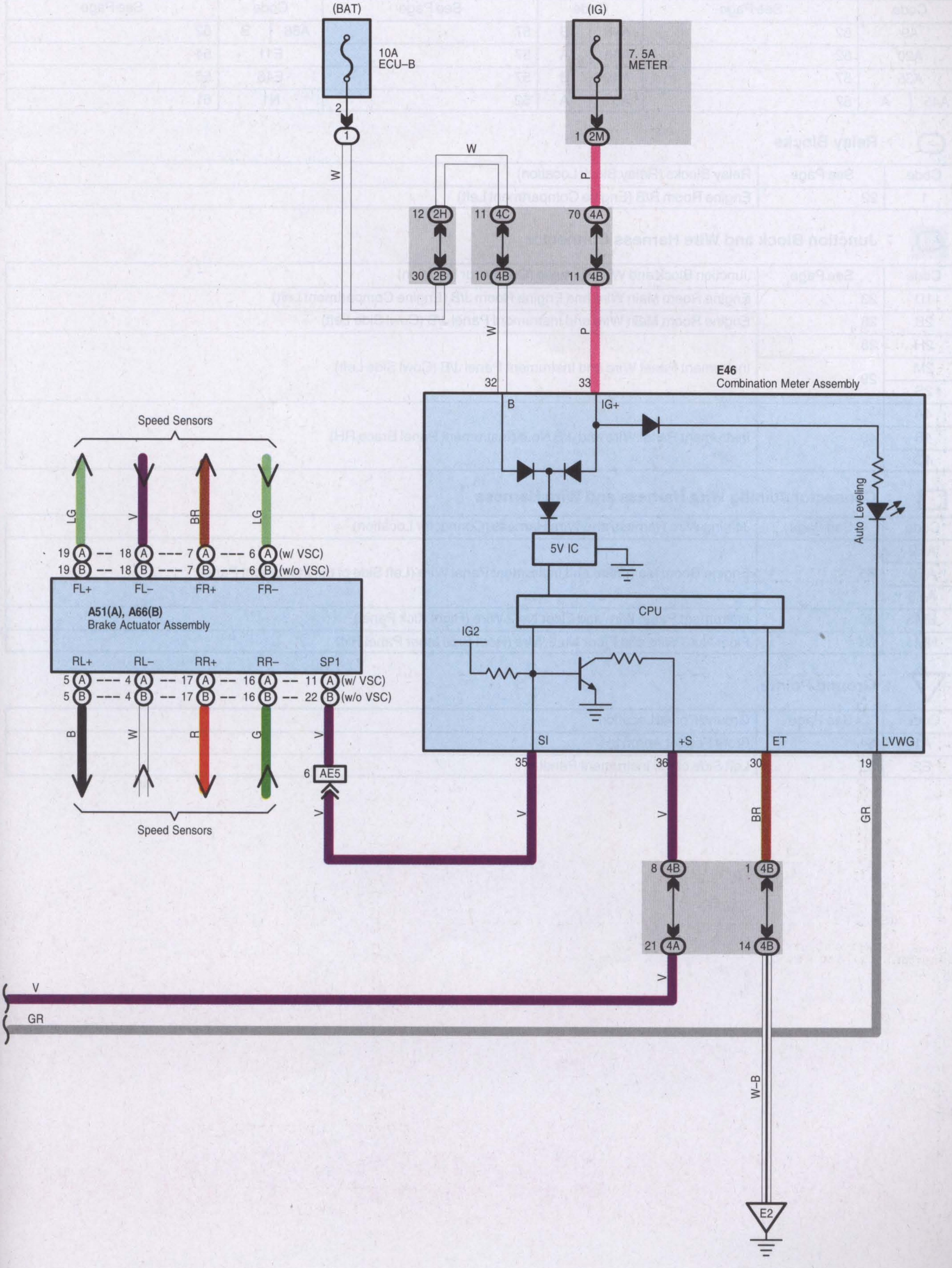
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| EL1 | 65 | Instrument Panel Wire and Floor Wire (Left Kick Panel) |

## ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |
| E5 | 65 | Instrument Panel Brace LH |
| L3 | 66 | Lower Back Panel Left |

# 前大灯光束高度控制（自动）





(BAT)
10A
ECU–B
(IG)
7.5A
METER
W
P
E46
Combination Meter Assembly
B
IG+
Auto Leveling
5V IC
CPU
IG2
SI
+S
ET
LVWG
Speed Sensors
LG
V
BR
LG
(w/ VSC)
(w/o VSC)
FL+
FL–
FR+
FR–
A51(A), A66(B)
Brake Actuator Assembly
RL+
RL–
RR+
RR–
SP1
B
W
R
G
AE5
BR
GR
W–B
E2

# 前大灯光束高度控制(自动)

○ : **Parts Location**

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A9 | | 52 | A46 | B | 57 | A66 | B | 52 |
| A20 | | 52 | A48 | A | 57 | E11 | | 54 |
| A35 | | 57 | A49 | B | 57 | E46 | | 55 |
| A45 | A | 57 | A51 | A | 52 | N1 | | 61 |

: **Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

: **Junction Block and Wire Harness Connector**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1D | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | |
| 2S | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

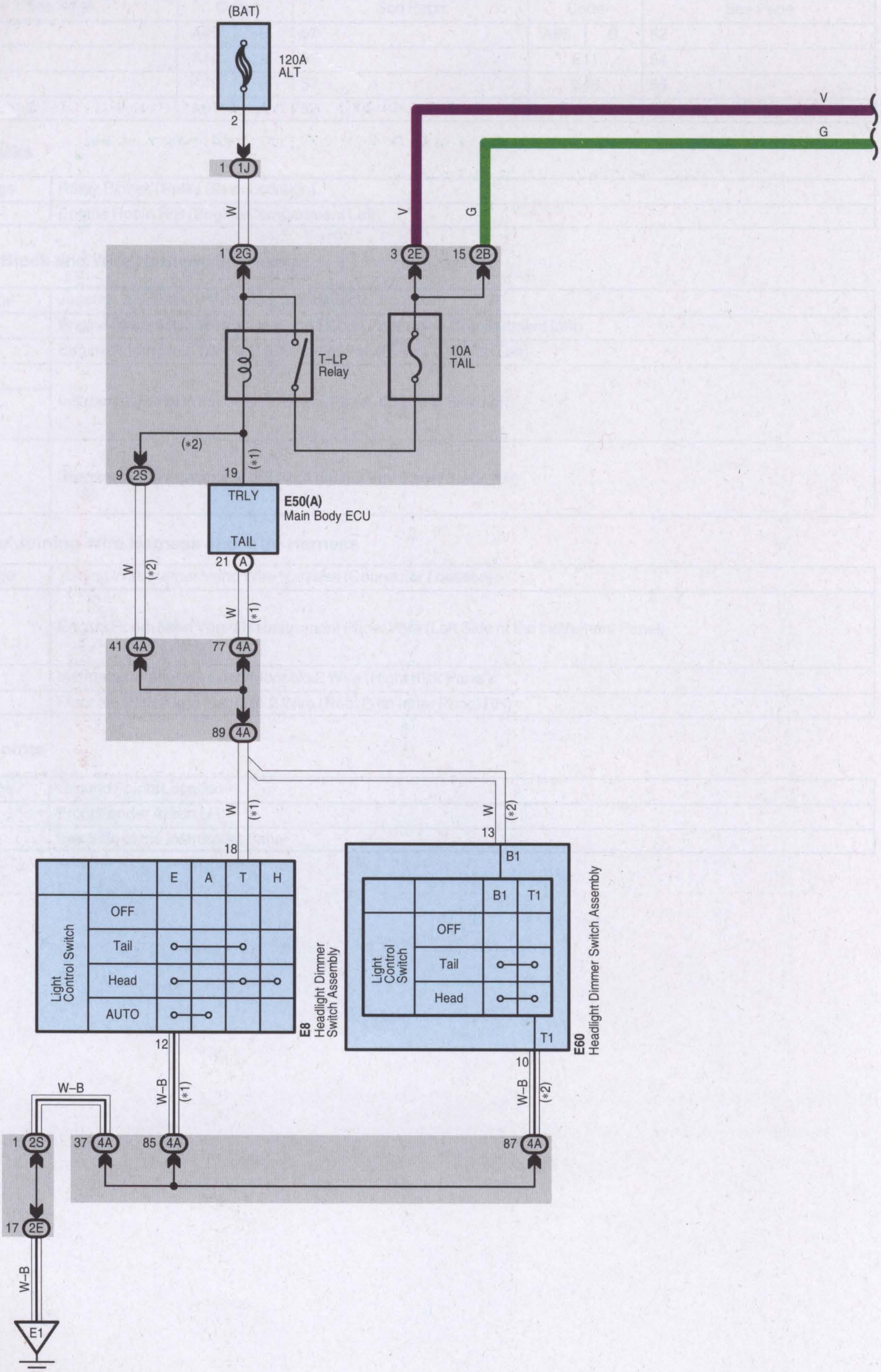
□ : **Connector Joining Wire Harness and Wire Harness**

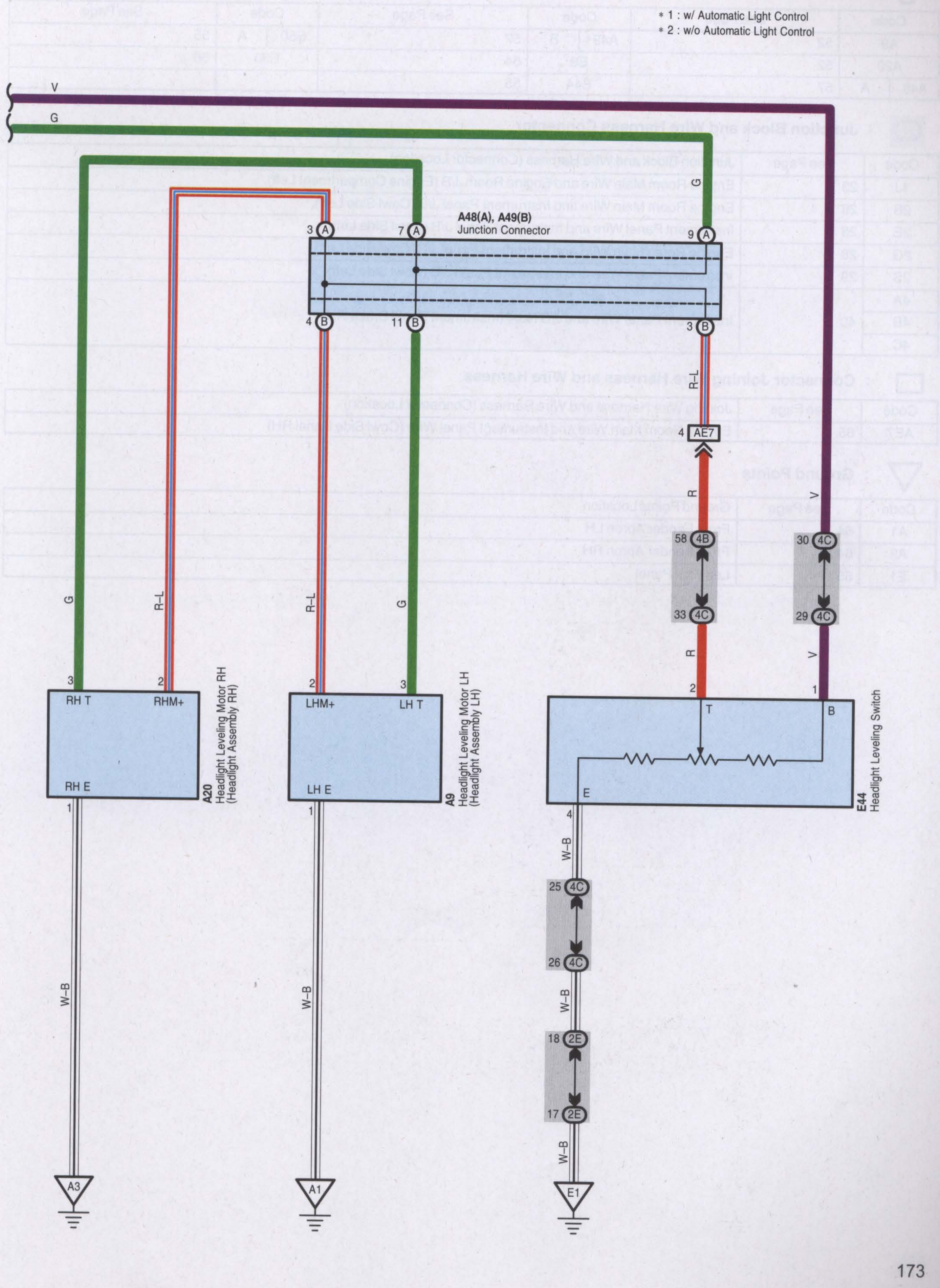
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE3 | | |
| AE5 | | |
| EM3 | 65 | Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel) |
| NM1 | 66 | Floor No.3 Wire and Floor No.2 Wire (Roof Side Inner Panel RH) |

▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| E2 | 65 | Left Side of the Instrument Panel |

# 前大灯光束高度控制(手动)




* 1 : w/ Automatic Light Control
* 2 : w/o Automatic Light Control
V
G
A48(A), A49(B)
Junction Connector
R–L
AE7
R
V
4B
4C
W–B
2E
RH T
RHM+
RH E
A20
Headlight Leveling Motor RH
(Headlight Assembly RH)
LHM+
LH T
LH E
A9
Headlight Leveling Motor LH
(Headlight Assembly LH)
T
B
E
E44
Headlight Leveling Switch
A3
A1
E1

# 前大灯光束高度控制(手动)

## ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A9 | | 52 | A49 | B | 57 | E50 | A | 55 |
| A20 | | 52 | E8 | | 54 | E60 | | 56 |
| A48 | A | 57 | E44 | | 55 | | | |

## ⬭ : Junction Block and Wire Harness Connector

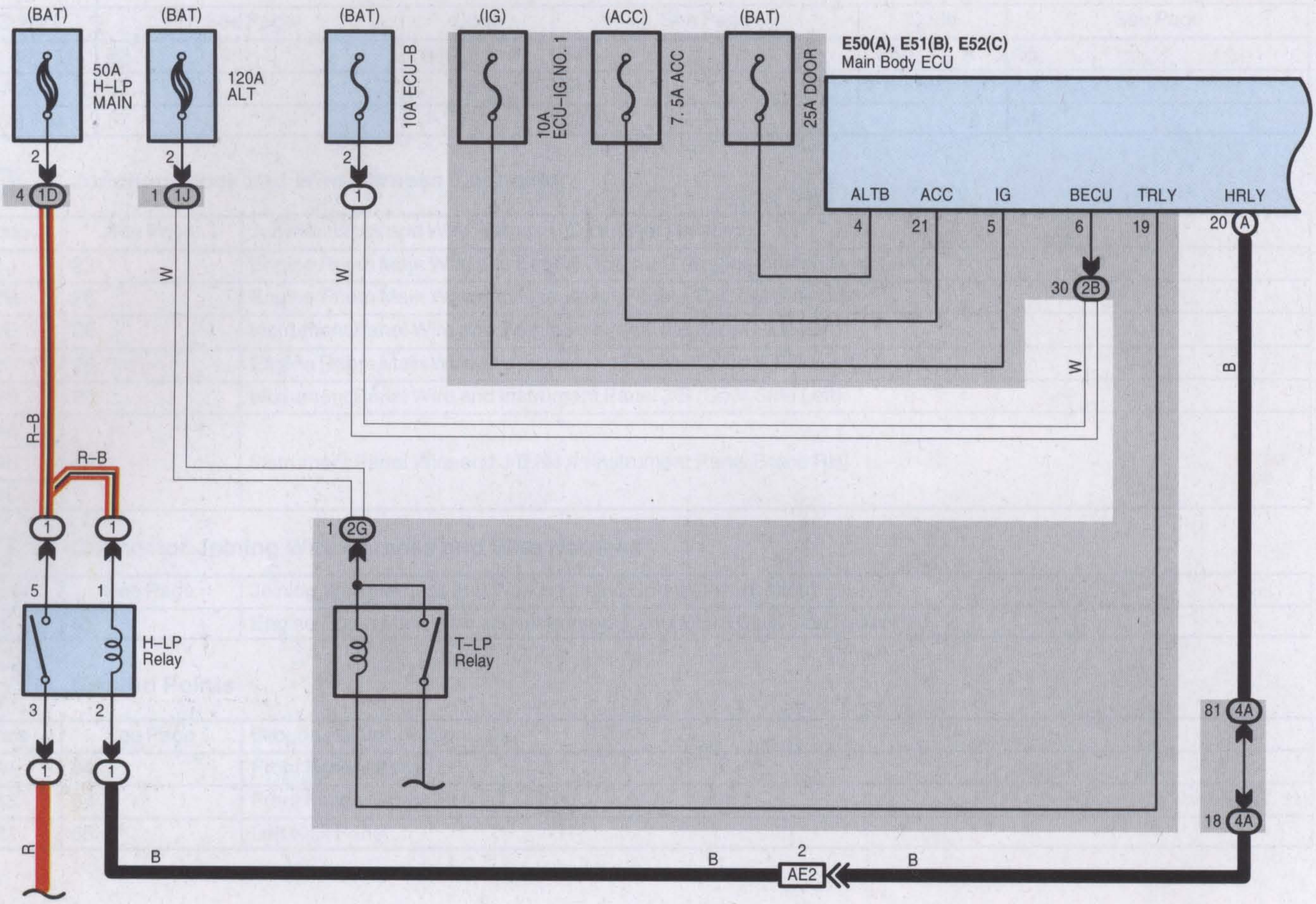
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1J | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2G | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2S | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

## □ : Connector Joining Wire Harness and Wire Harness

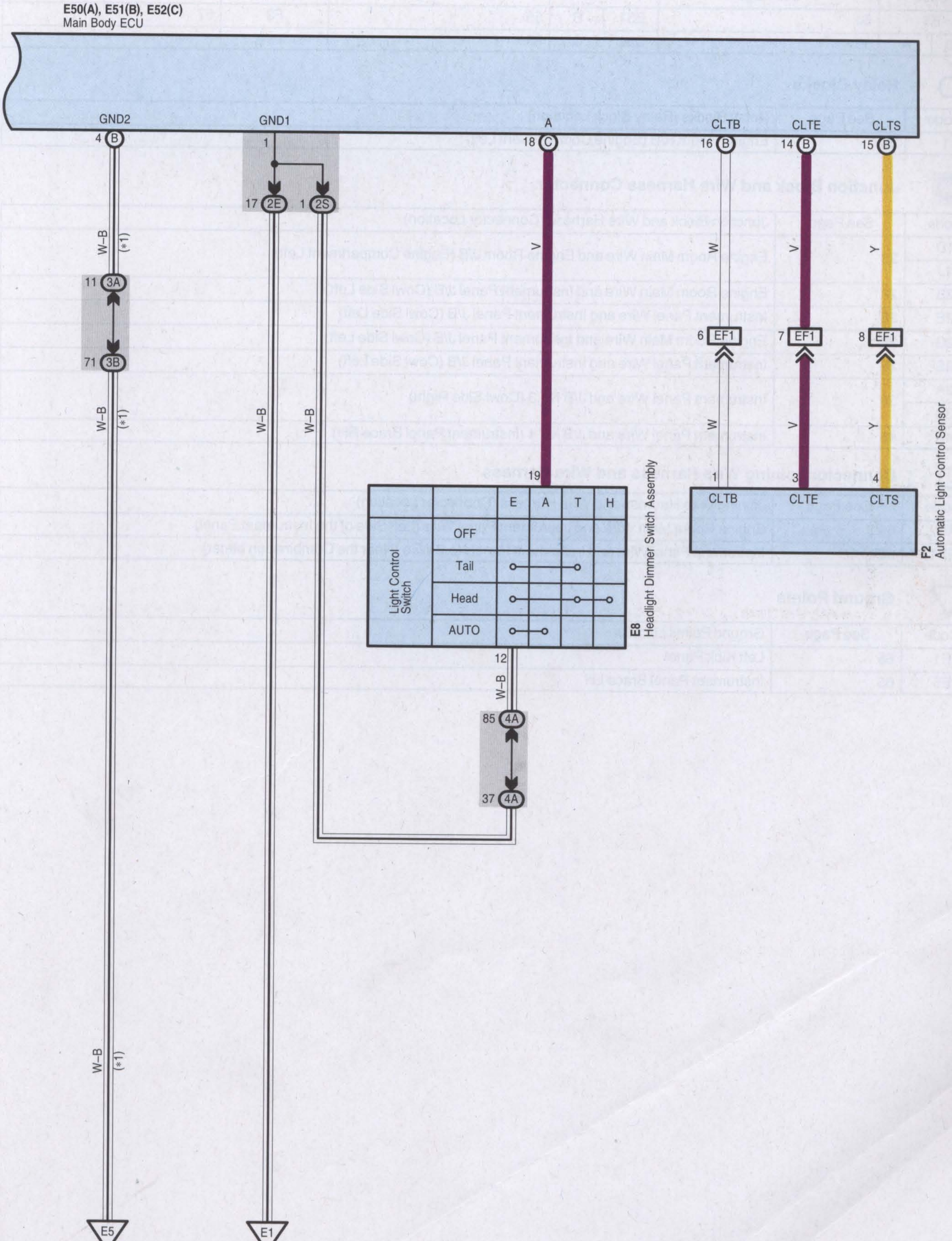
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE7 | 65 | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH) |

## ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| A3 | 64 | Front Fender Apron RH |
| E1 | 65 | Left Kick Panel |




＊1 : w/ Smart Entry & Start System



E50(A), E51(B), E52(C)
Main Body ECU
GND2
GND1
A
CLTB
CLTE
CLTS
W–B
(*1)
V
W
Y
EF1
2E
2S
3A
3B
4A
E
T
H
OFF
Tail
Head
AUTO
Light Control Switch
E8
Headlight Dimmer Switch Assembly
F2
Automatic Light Control Sensor
E5
E1

○ : **Parts Location**

| Code | | See Page | Code | | See Page | Code | See Page |
|---|---|---|---|---|---|---|---|
| E8 | | 54 | E51 | B | 55 | F2 | 57 |
| E50 | A | 55 | E52 | C | 55 | | |

▢ : **Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

▢ : **Junction Block and Wire Harness Connector**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1D | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 1J | | |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2G | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2S | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

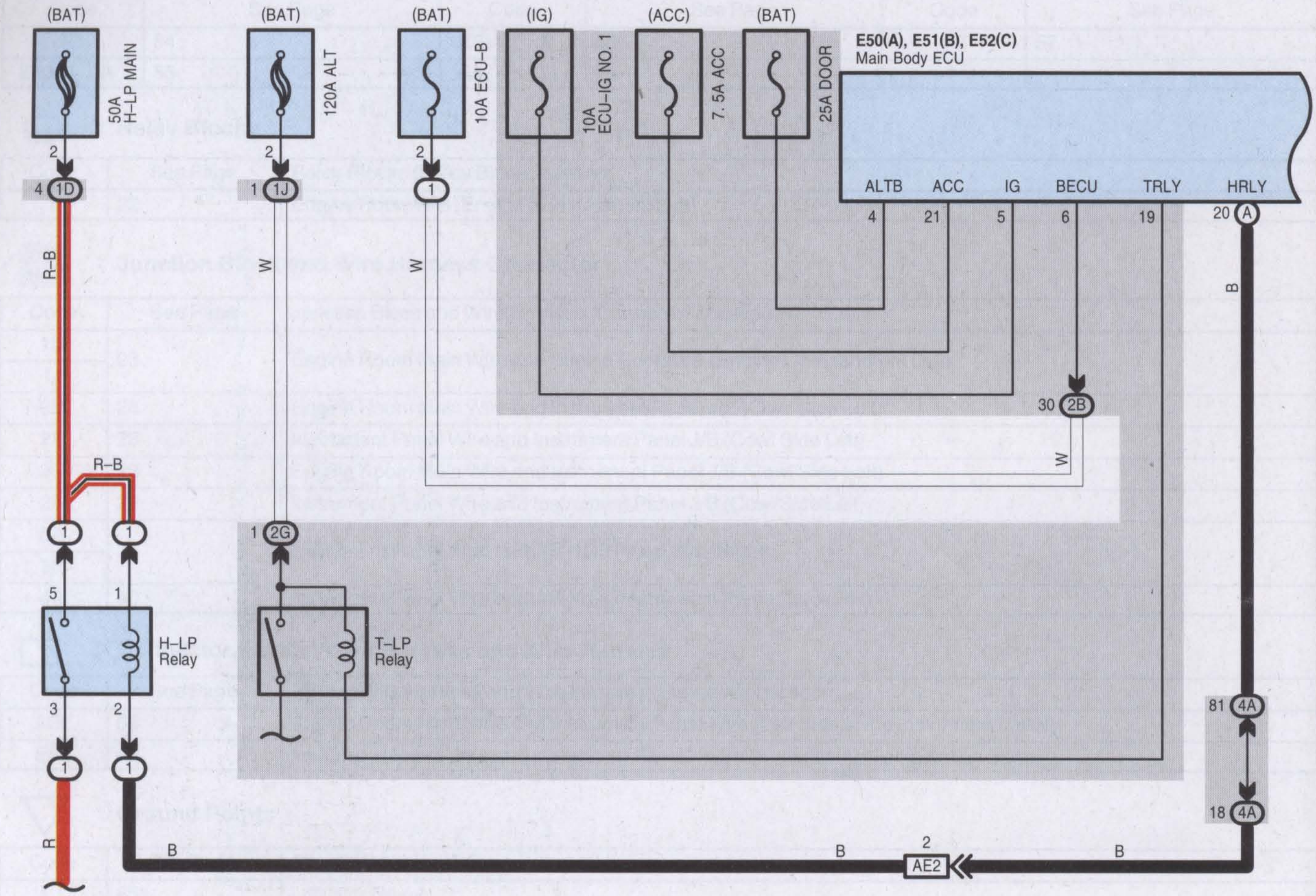
□ : **Connector Joining Wire Harness and Wire Harness**

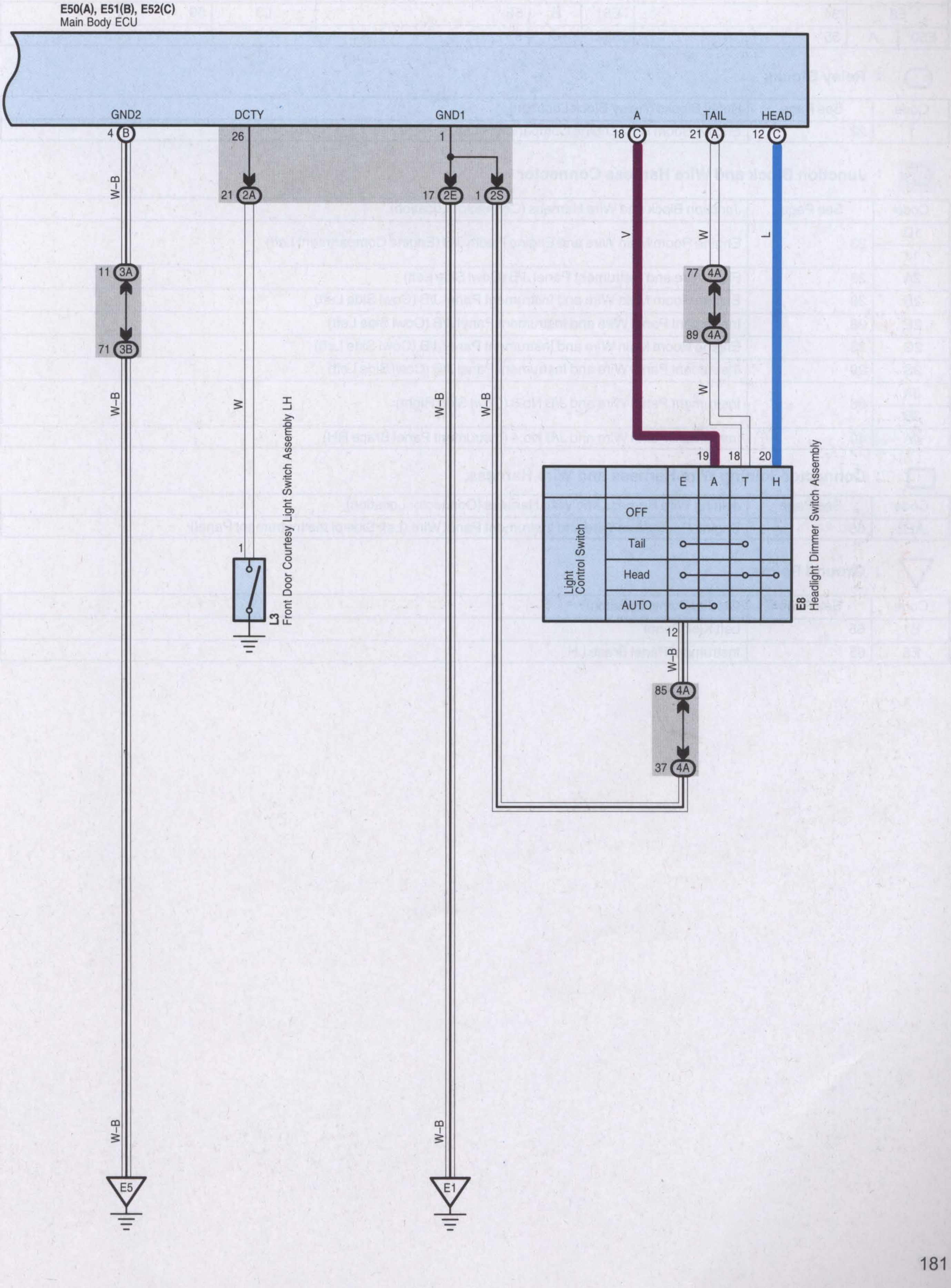
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| EF1 | 65 | Instrument Panel Wire and Instrument Panel No.2 Wire (Near the Combination Meter) |

▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E5 | 65 | Instrument Panel Brace LH |

# 灯自动熄灭系统


(BAT)
(BAT)
(BAT)
(IG)
(ACC)
(BAT)
50A H-LP MAIN
120A ALT
10A ECU-B
10A ECU-IG NO. 1
7. 5A ACC
25A DOOR
E50(A), E51(B), E52(C)
Main Body ECU
ALTB
ACC
IG
BECU
TRLY
HRLY
4
21
5
6
19
20 A
4 1D
1 1J
1 2G
30 2B
R-B
W
W
W
B
H-LP Relay
T-LP Relay
81 4A
18 4A
AE2
R
B


E50(A), E51(B), E52(C)
Main Body ECU
GND2
DCTY
GND1
A
TAIL
HEAD
4 B
26
1
18 C
21 A
12 C
21 2A
17 2E
1 2S
W–B
V
W
L
11 3A
71 3B
77 4A
89 4A
W
W–B
W–B
W–B
W
19
18
20
E
A
T
H
OFF
Tail
Head
AUTO
Light Control Switch
E8
Headlight Dimmer Switch Assembly
1
L3
Front Door Courtesy Light Switch Assembly LH
12
W–B
85 4A
37 4A
W–B
W–B
E5
E1

○ : **Parts Location**

| Code | | See Page | Code | | See Page | Code | See Page |
|---|---|---|---|---|---|---|---|
| E8 | | 54 | E51 | B | 55 | L3 | 59 |
| E50 | A | 55 | E52 | C | 55 | | |

▢ : **Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

▢ : **Junction Block and Wire Harness Connector**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1D | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 1J | | |
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2G | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2S | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

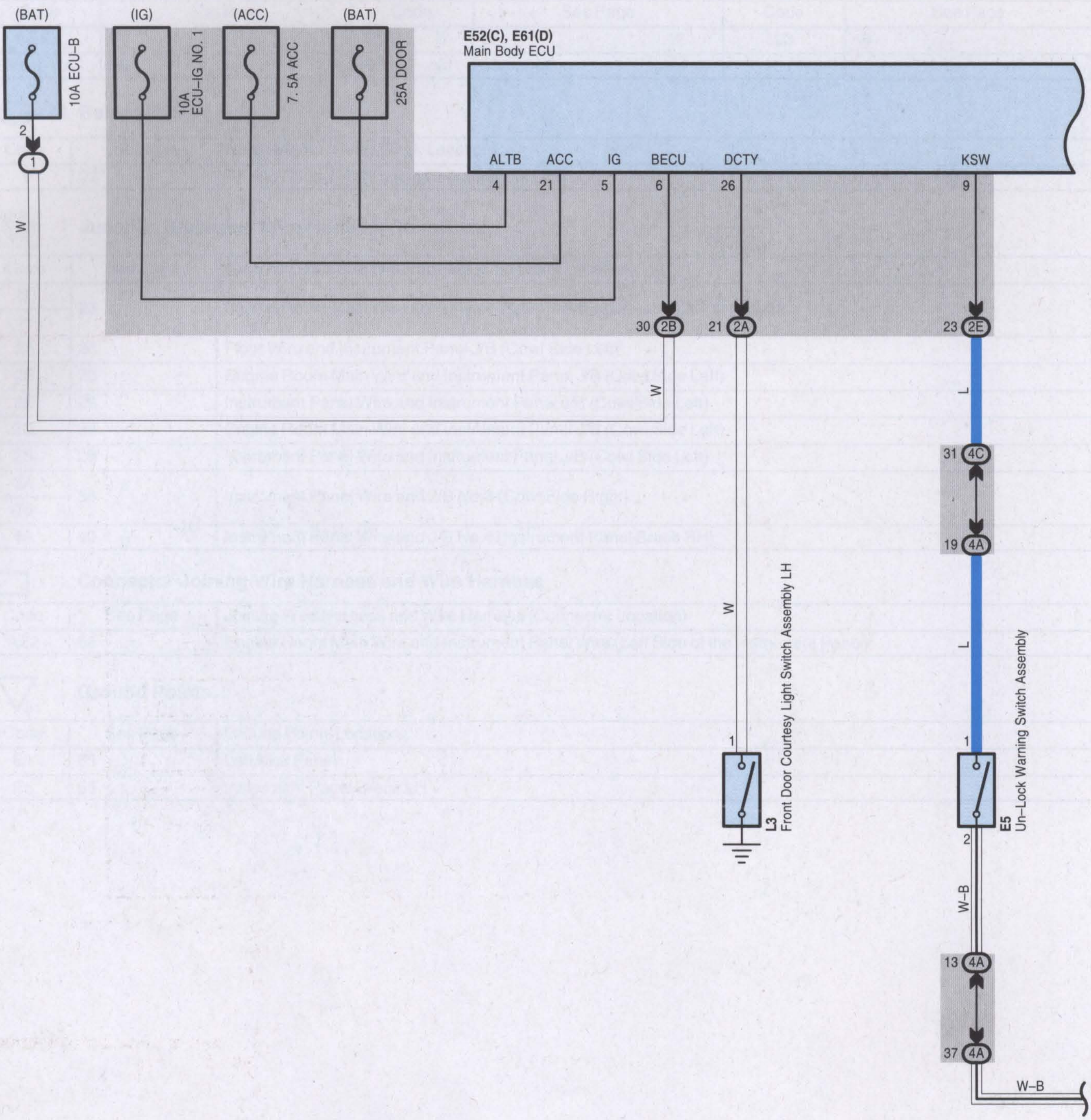
□ : **Connector Joining Wire Harness and Wire Harness**

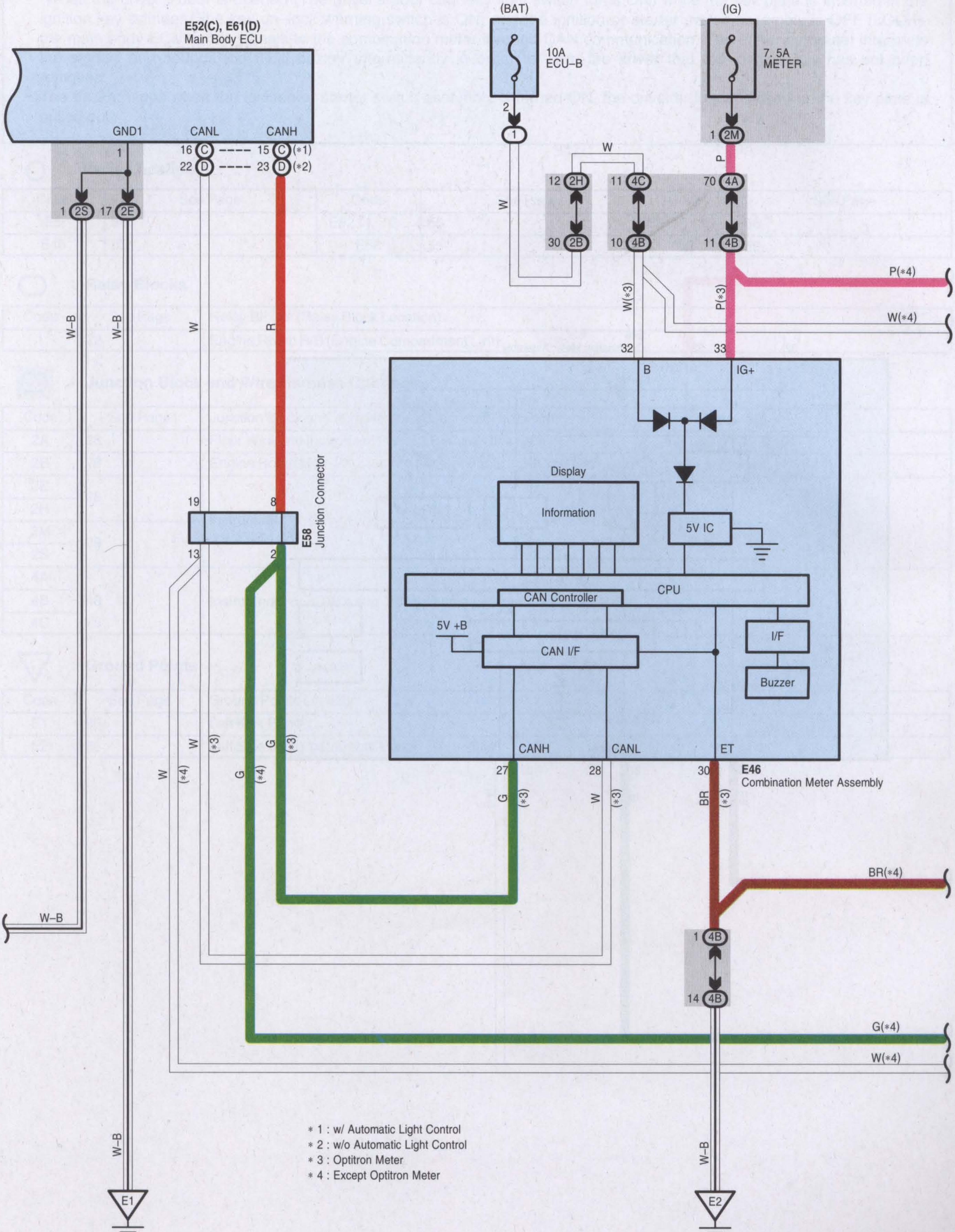
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |

▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E5 | 65 | Instrument Panel Brace LH |

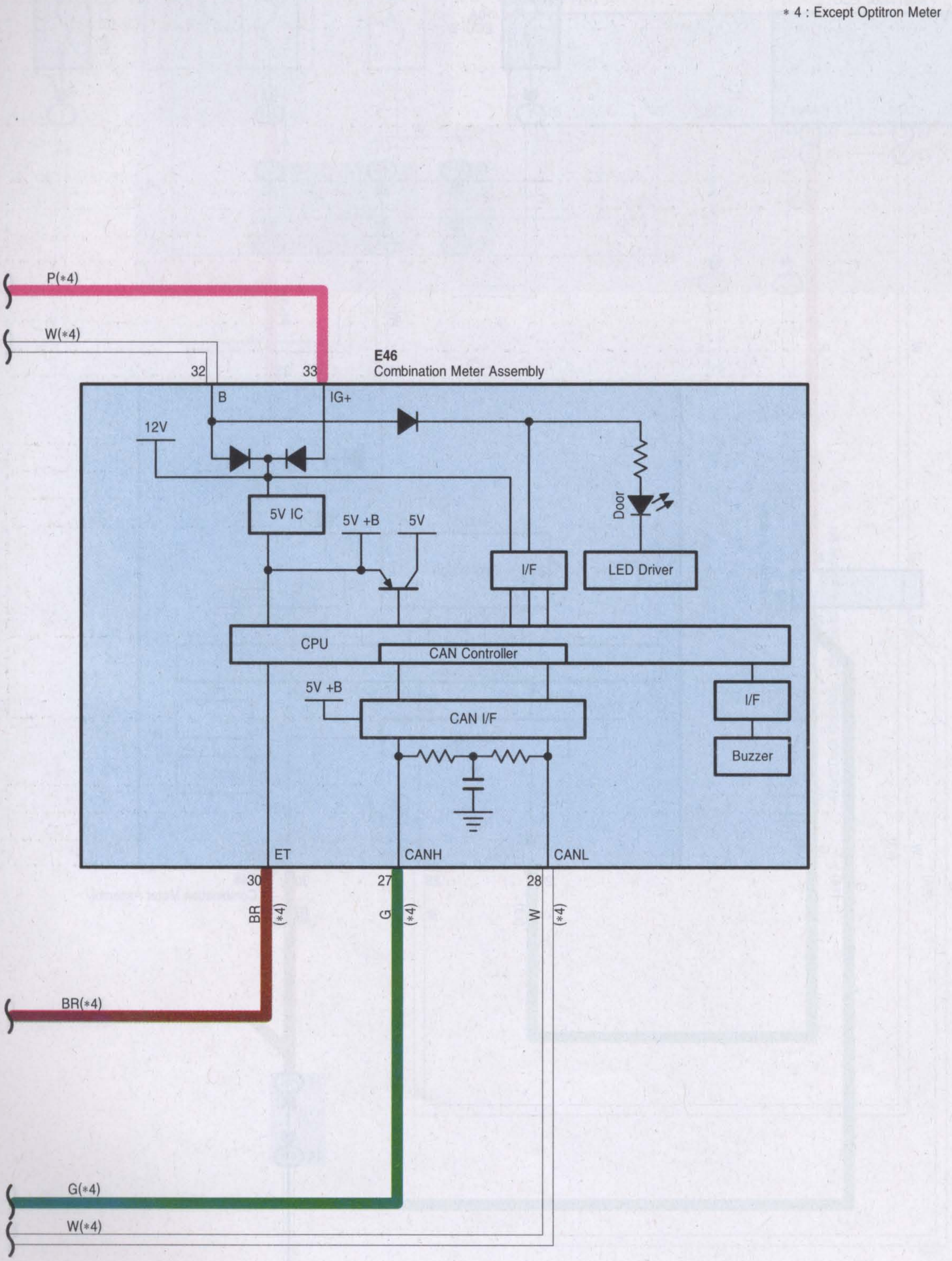
# 钥匙提醒器（不带智能上车和起动系统）






＊1 : w/ Automatic Light Control
＊2 : w/o Automatic Light Control
＊3 : Optitron Meter
＊4 : Except Optitron Meter

# 钥匙提醒器(不带智能上车和起动系统)



## System Outline

* When the driver's door is opened (The driver's door courtesy light switch turns ON) while the key plate is inserted in the ignition key cylinder (The key un–lock warning switch is ON) and the ignition or starter switch assembly is OFF (LOCK), the main body ECU sends signals to the combination meter through CAN communication. The meter computer interprets the signals and sounds the multi buzzer intermittently in order to warn the driver that the ignition key has not been removed.
* The buzzer stops when the ignition or starter switch assembly is turned ON, the driver's door is closed or the key plate is pulled out.

### ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| E5 | | 54 | E52 | C | 55 | E61 | D | 56 |
| E46 | | 55 | E58 | | 55 | L3 | | 59 |

### : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

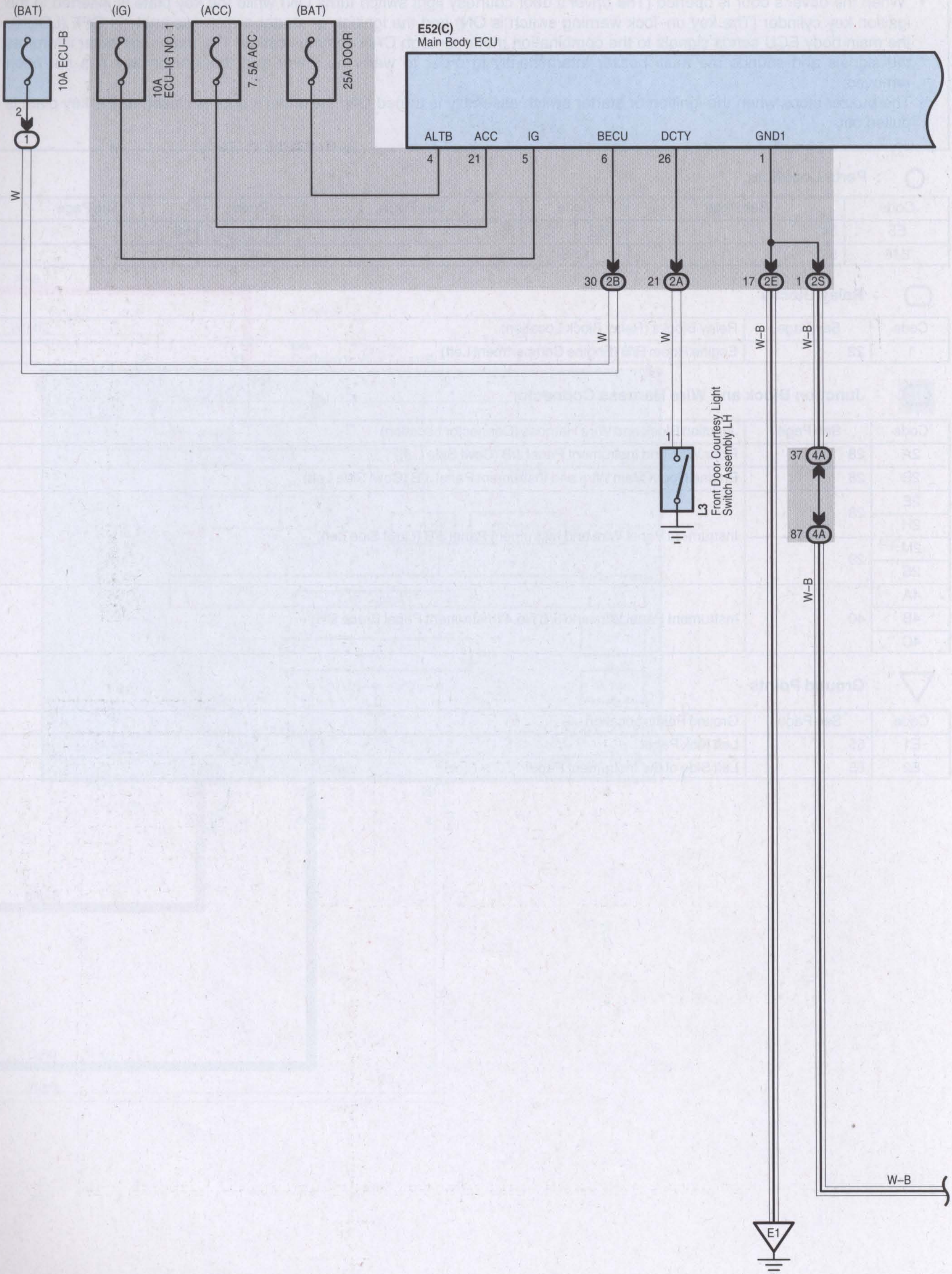
### : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | | |
| 2M | 29 | |
| 2S | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

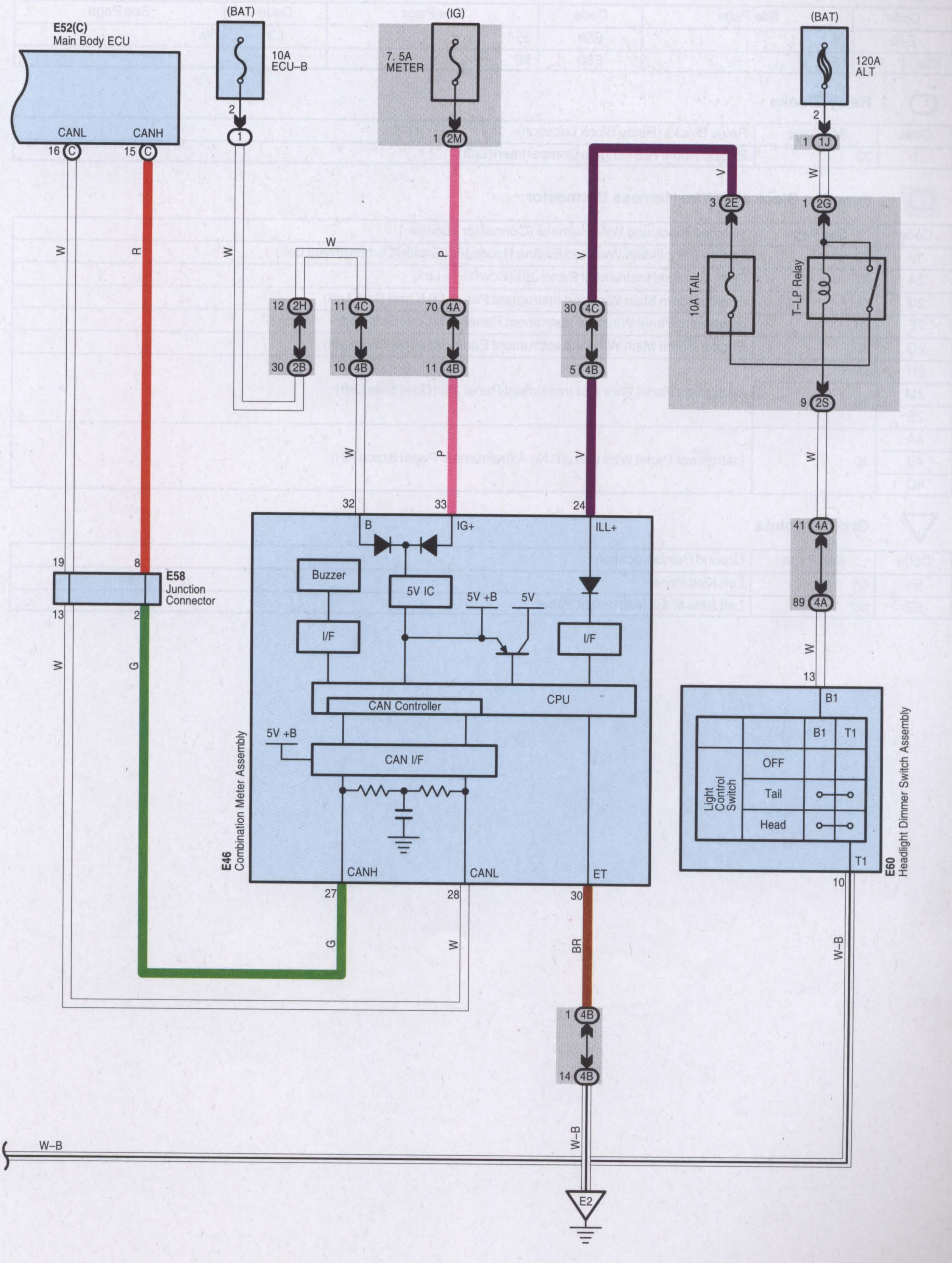
### ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |

# 车灯提醒器



(BAT)
10A ECU-B
(IG)
10A
ECU-IG NO. 1
(ACC)
7. 5A ACC
(BAT)
25A DOOR
E52(C)
Main Body ECU
ALTB
ACC
IG
BECU
DCTY
GND1
4
21
5
6
26
1
2
1
W
30
2B
21
2A
17
2E
1
2S
W
W
W-B
W-B
1
L3
Front Door Courtesy Light
Switch Assembly LH
37
4A
87
4A
W-B
W-B
E1



E52(C)
Main Body ECU
CANL
CANH
(BAT)
10A
ECU–B
(IG)
7. 5A
METER
(BAT)
120A
ALT
T–LP Relay
10A TAIL
E58
Junction
Connector
Buzzer
5V IC
I/F
CPU
CAN Controller
CAN I/F
E46
Combination Meter Assembly
B
IG+
ILL+
CANH
CANL
ET
E60
Headlight Dimmer Switch Assembly
Light Control Switch
OFF
Tail
Head
B1
T1
E2
W–B

○ : **Parts Location**

| Code | | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|---|
| E46 | | 55 | E58 | 55 | L3 | 59 |
| E52 | C | 55 | E60 | 56 | | |

⬭ : **Relay Blocks**

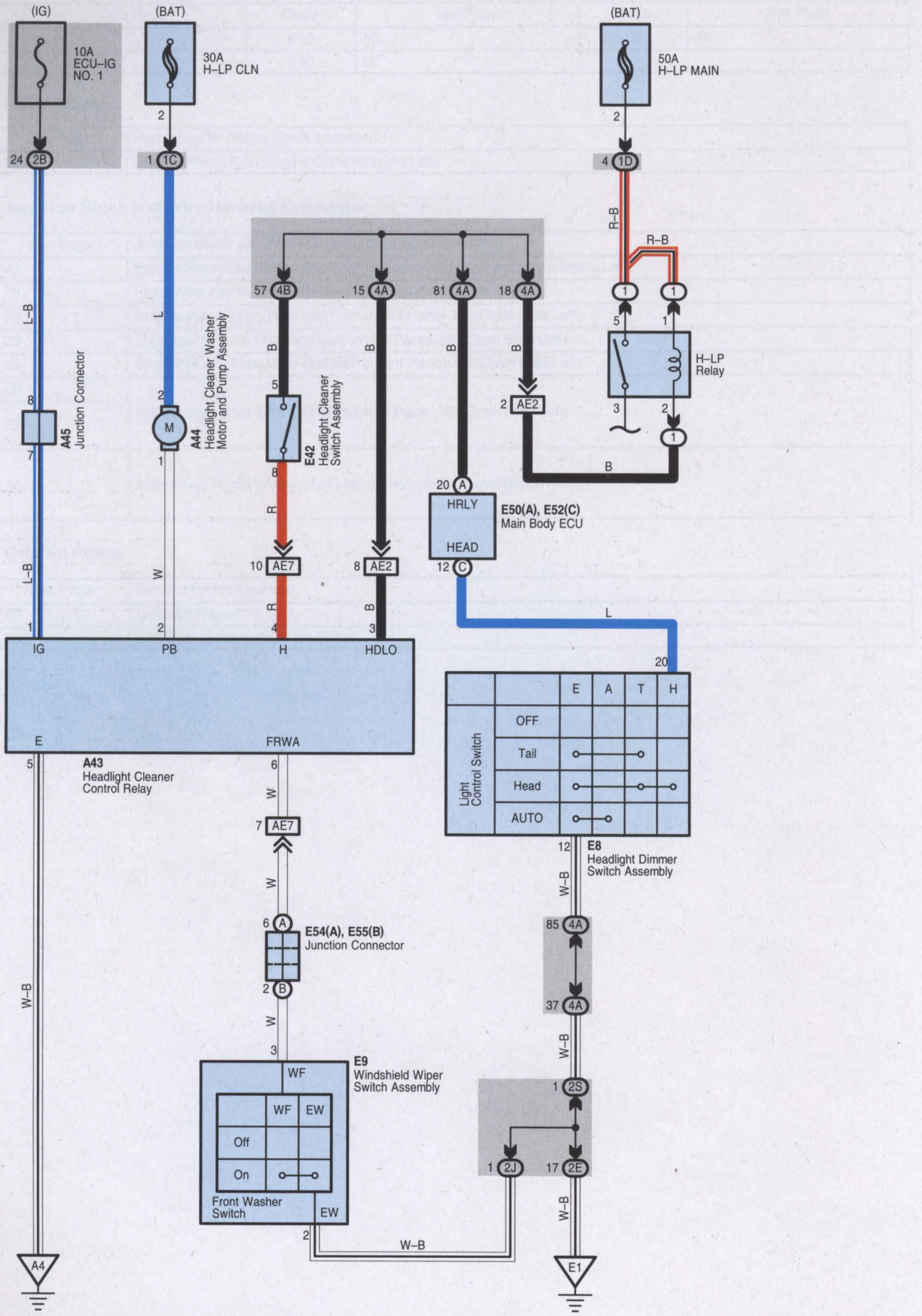
| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

⬭ : **Junction Block and Wire Harness Connector**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1J | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2G | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | |
| 2S | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |


(IG)
10A
ECU–IG
NO. 1
(BAT)
30A
H–LP CLN
(BAT)
50A
H–LP MAIN
24 2B
1 1C
4 1D
R–B
R–B
57 4B
15 4A
81 4A
18 4A
H–LP
Relay
L–B
L
B
B
B
B
A45
Junction Connector
A44
Headlight Cleaner Washer
Motor and Pump Assembly
E42
Headlight Cleaner
Switch Assembly
2 AE2
B
20 A
HRLY
HEAD
12 C
E50(A), E52(C)
Main Body ECU
R
10 AE7
8 AE2
W
L
IG
PB
H
HDLO
E
FRWA
A43
Headlight Cleaner
Control Relay
E
A
T
H
OFF
Tail
Head
AUTO
Light
Control Switch
E8
Headlight Dimmer
Switch Assembly
W
7 AE7
W–B
85 4A
37 4A
6 A
E54(A), E55(B)
Junction Connector
2 B
E9
Windshield Wiper
Switch Assembly
WF
WF
EW
Off
On
Front Washer
Switch
EW
1 2S
1 2J
17 2E
W–B
A4
E1

**○ : Parts Location**

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A43 | | 52 | E9 | | 54 | E54 | A | 55 |
| A44 | | 52 | E42 | | 55 | E55 | B | 55 |
| A45 | | 57 | E50 | A | 55 | | | |
| E8 | | 54 | E52 | C | 55 | | | |

**: Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

**: Junction Block and Wire Harness Connector**

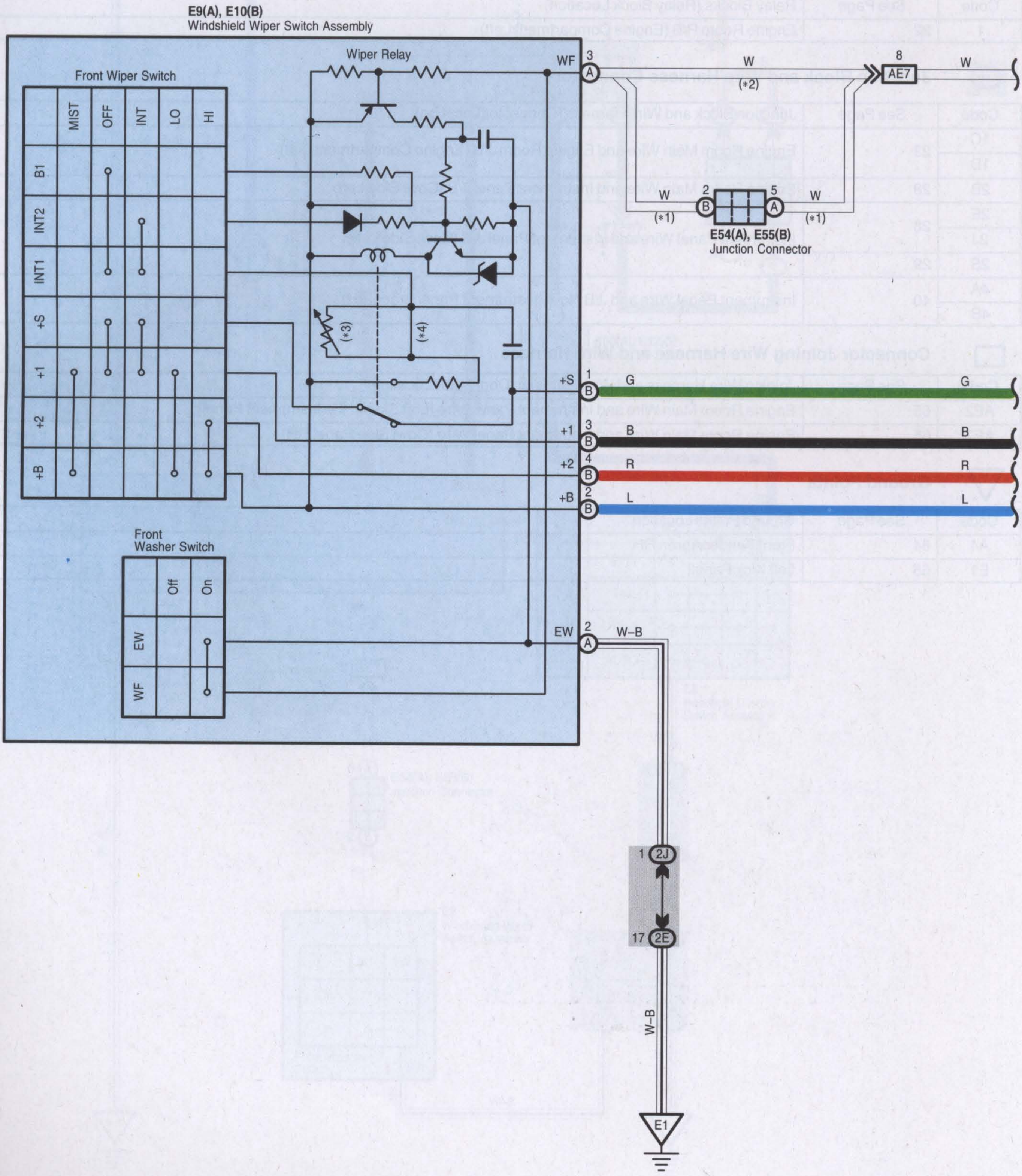
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1C | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 1D | | |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2J | | |
| 2S | 29 | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |

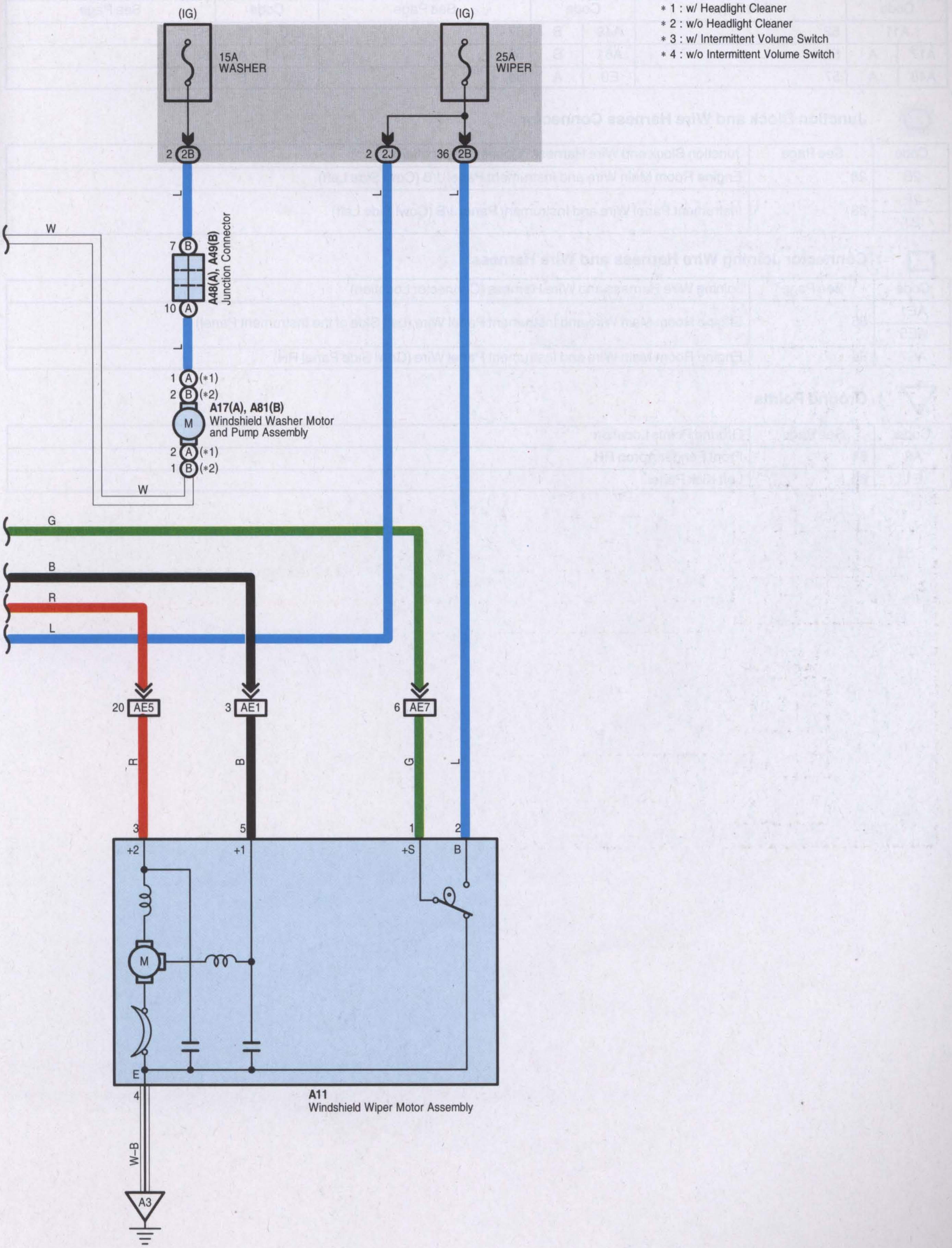
**□ : Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE7 | 65 | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH) |

**▽ : Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| A4 | 64 | Front Fender Apron RH |
| E1 | 65 | Left Kick Panel |


E9(A), E10(B)
Windshield Wiper Switch Assembly
Wiper Relay
Front Wiper Switch
MIST
OFF
INT
LO
HI
B1
INT2
INT1
+S
+1
+2
+B
(*3)
(*4)
Front
Washer Switch
Off
On
EW
WF
WF
3
A
W
(*2)
8
AE7
W
W
2
B
5
A
W
(*1)
(*1)
E54(A), E55(B)
Junction Connector
+S
1
B
G
G
+1
3
B
B
B
+2
4
B
R
R
+B
2
B
L
L
EW
2
A
W–B
1
2J
17
2E
W–B
E1



(IG)
15A
WASHER
(IG)
25A
WIPER
* 1 : w/ Headlight Cleaner
* 2 : w/o Headlight Cleaner
* 3 : w/ Intermittent Volume Switch
* 4 : w/o Intermittent Volume Switch
2 2B
2 2J
36 2B
A48(A), A49(B)
Junction Connector
A17(A), A81(B)
Windshield Washer Motor
and Pump Assembly
20 AE5
3 AE1
6 AE7
+2
+1
+S
B
E
A11
Windshield Wiper Motor Assembly
W-B
A3

○ : **Parts Location**

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A11 | | 52 | A49 | B | 57 | E10 | B | 54 |
| A17 | A | 52 | A81 | B | 52 | E54 | A | 55 |
| A48 | A | 57 | E9 | A | 54 | E55 | B | 55 |

: **Junction Block and Wire Harness Connector**

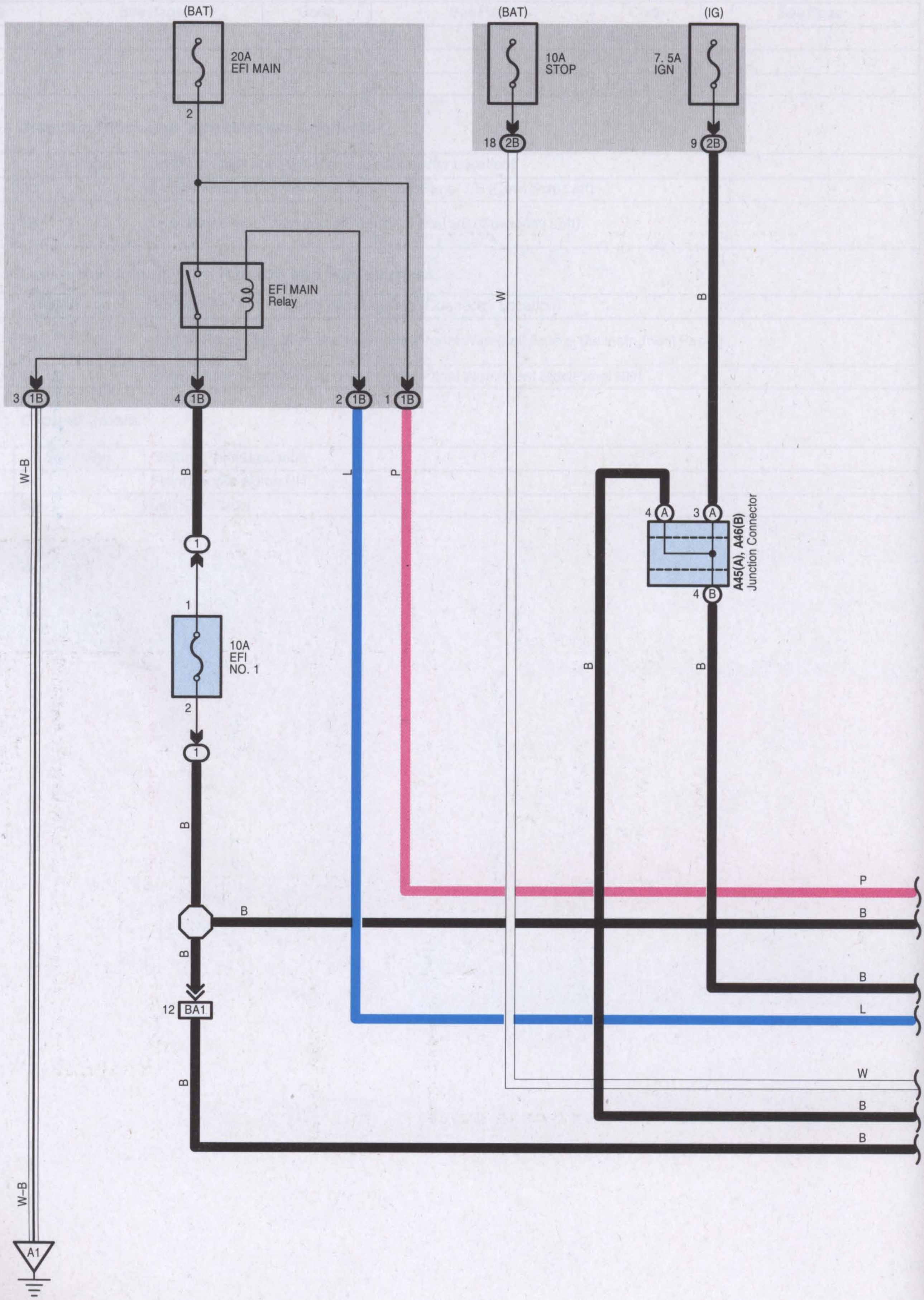
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2J | | |

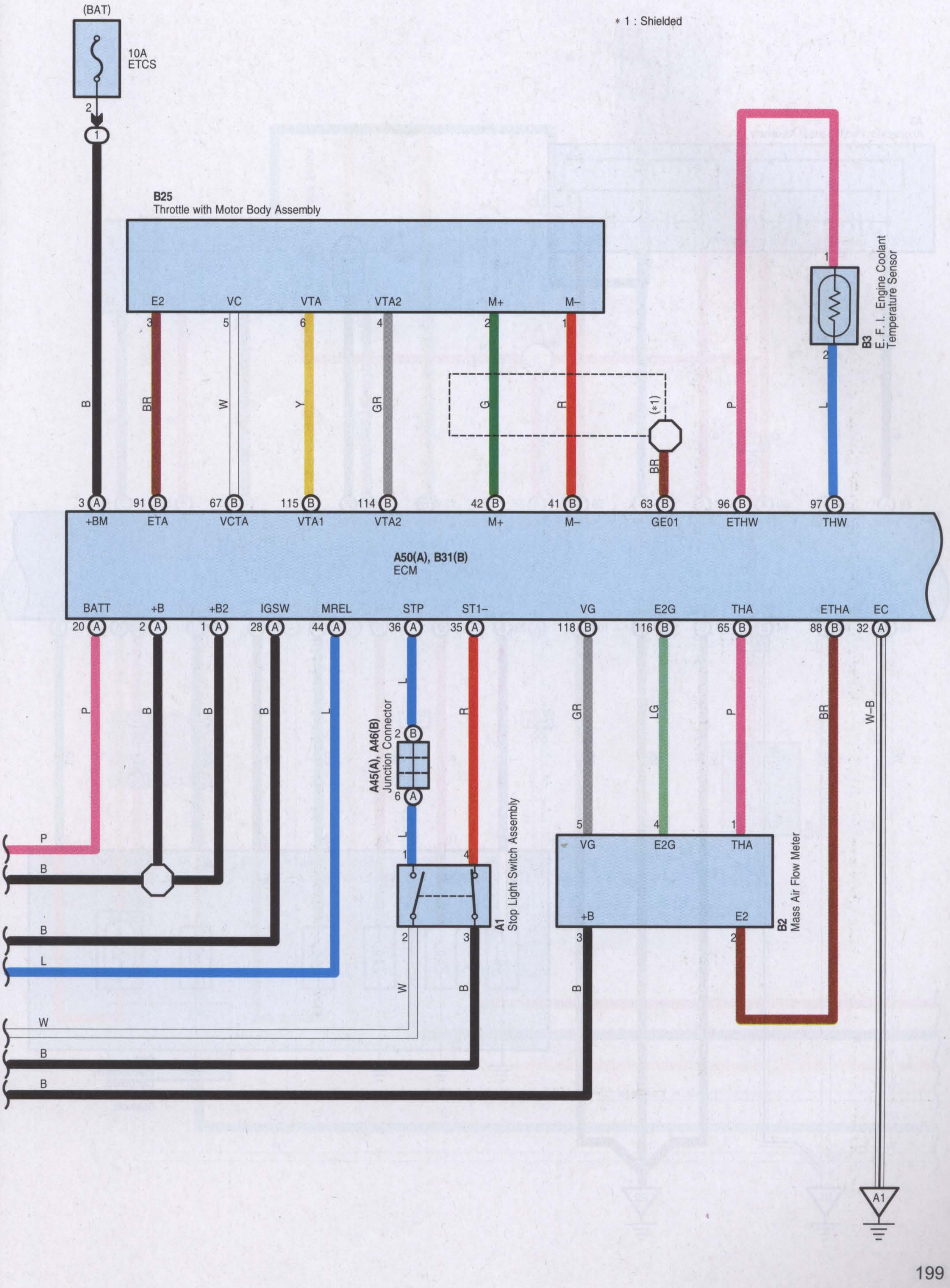
□ : **Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE1 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE5 | | |
| AE7 | 65 | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH) |

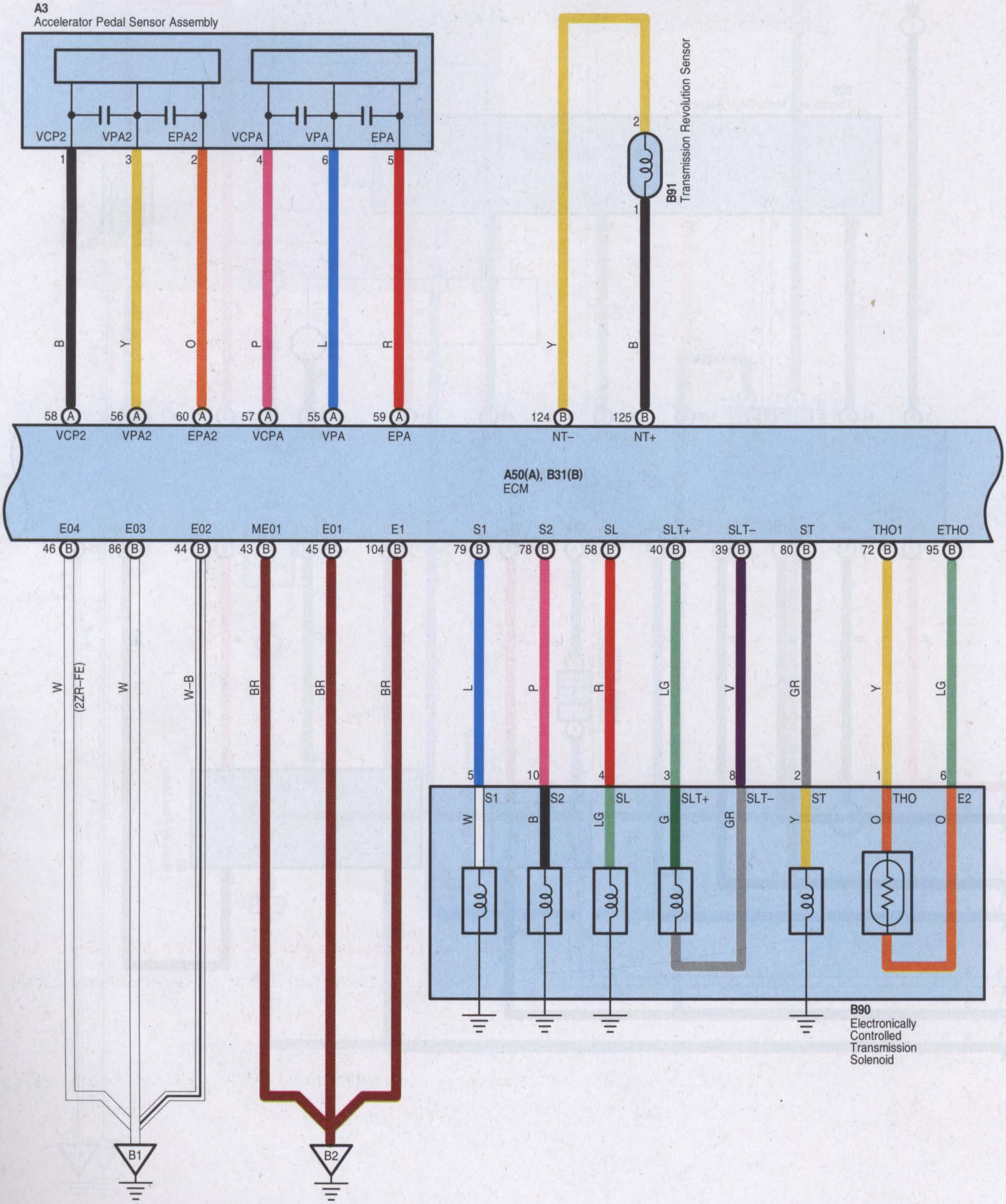
▽ : **Ground Points**

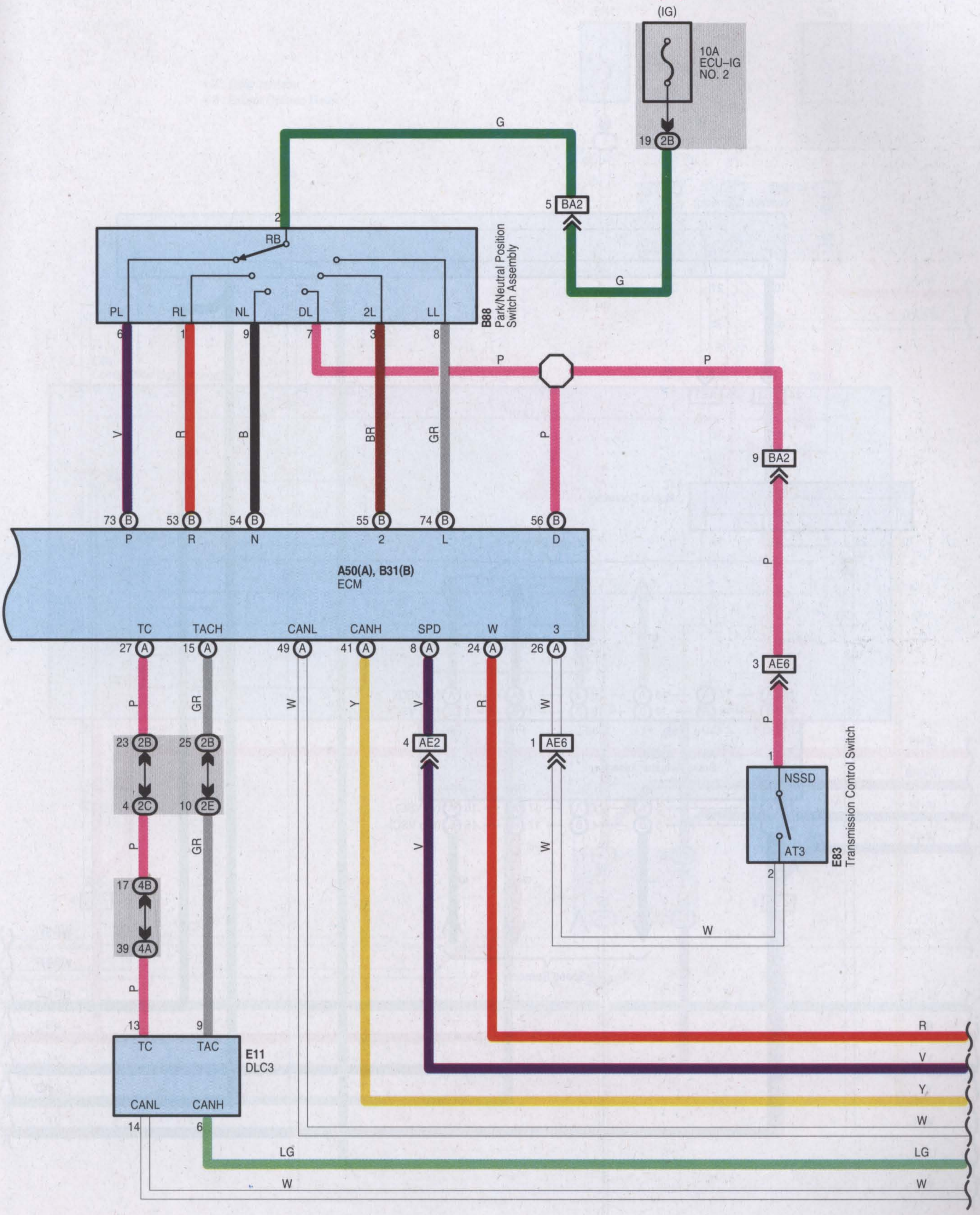
| Code | See Page | Ground Points Location |
|---|---|---|
| A3 | 64 | Front Fender Apron RH |
| E1 | 65 | Left Kick Panel |

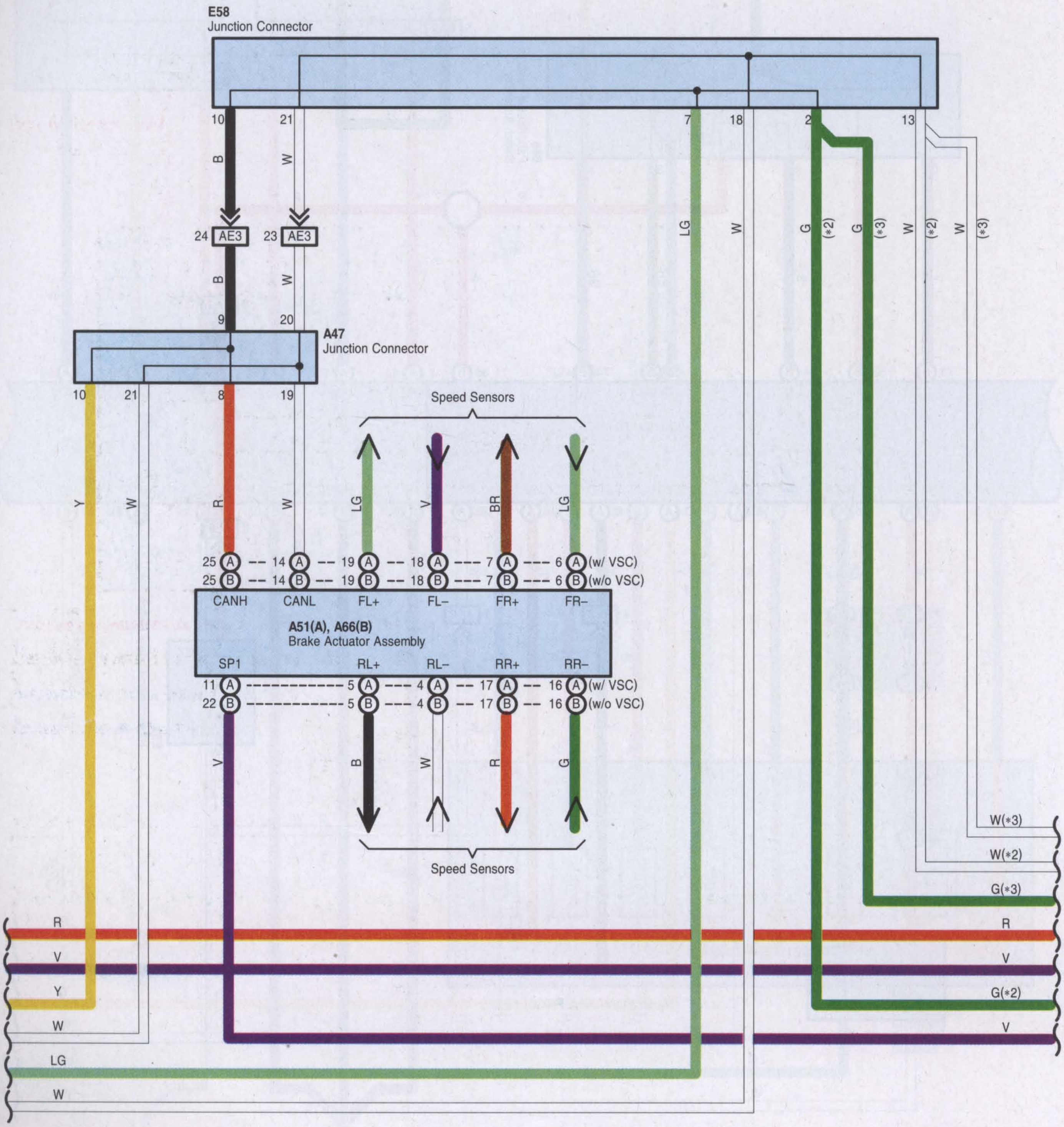

(BAT)
20A
EFI MAIN
2
EFI MAIN
Relay
3 1B
4 1B
2 1B
1 1B
(BAT)
10A
STOP
18 2B
(IG)
7. 5A
IGN
9 2B
W–B
B
L
P
W
B
1
1
10A
EFI
NO. 1
2
1
4 A
3 A
A45(A), A46(B)
Junction Connector
4 B
B
B
B
B
12 BA1
B
P
B
B
L
W
B
B
W–B
A1


(BAT)
10A
ETCS
＊1 : Shielded
B25
Throttle with Motor Body Assembly
E2
VC
VTA
VTA2
M+
M–
BR
W
Y
GR
G
R
(*1)
B
P
L
B3
E. F. I. Engine Coolant Temperature Sensor
+BM
ETA
VCTA
VTA1
VTA2
M+
M–
GE01
ETHW
THW
A50(A), B31(B)
ECM
BATT
+B
+B2
IGSW
MREL
STP
ST1–
VG
E2G
THA
ETHA
EC
A45(A), A46(B)
Junction Connector
A1
Stop Light Switch Assembly
B2
Mass Air Flow Meter
+B
E2
LG
W–B
A1

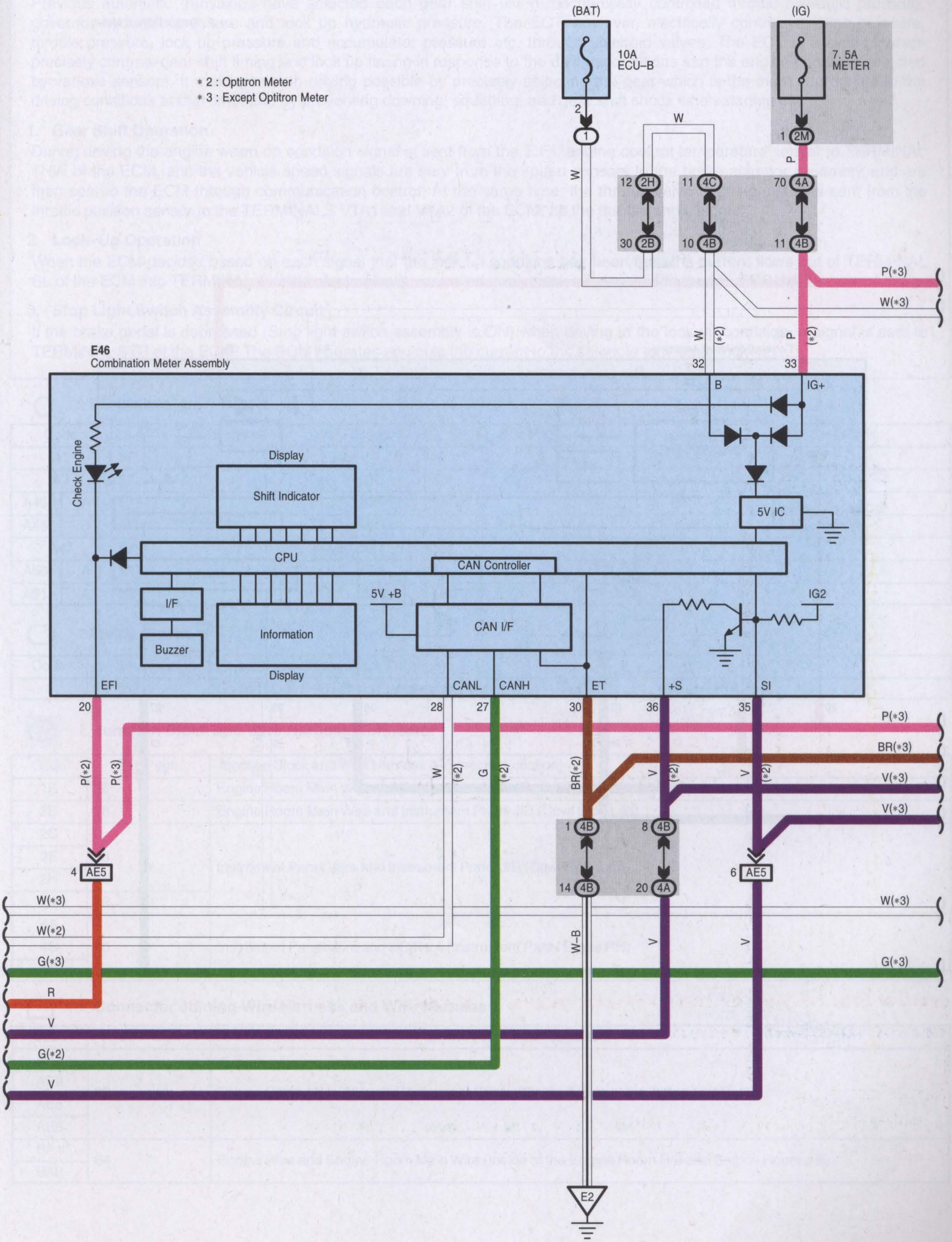
# ECT 和 A/T 档位指示器



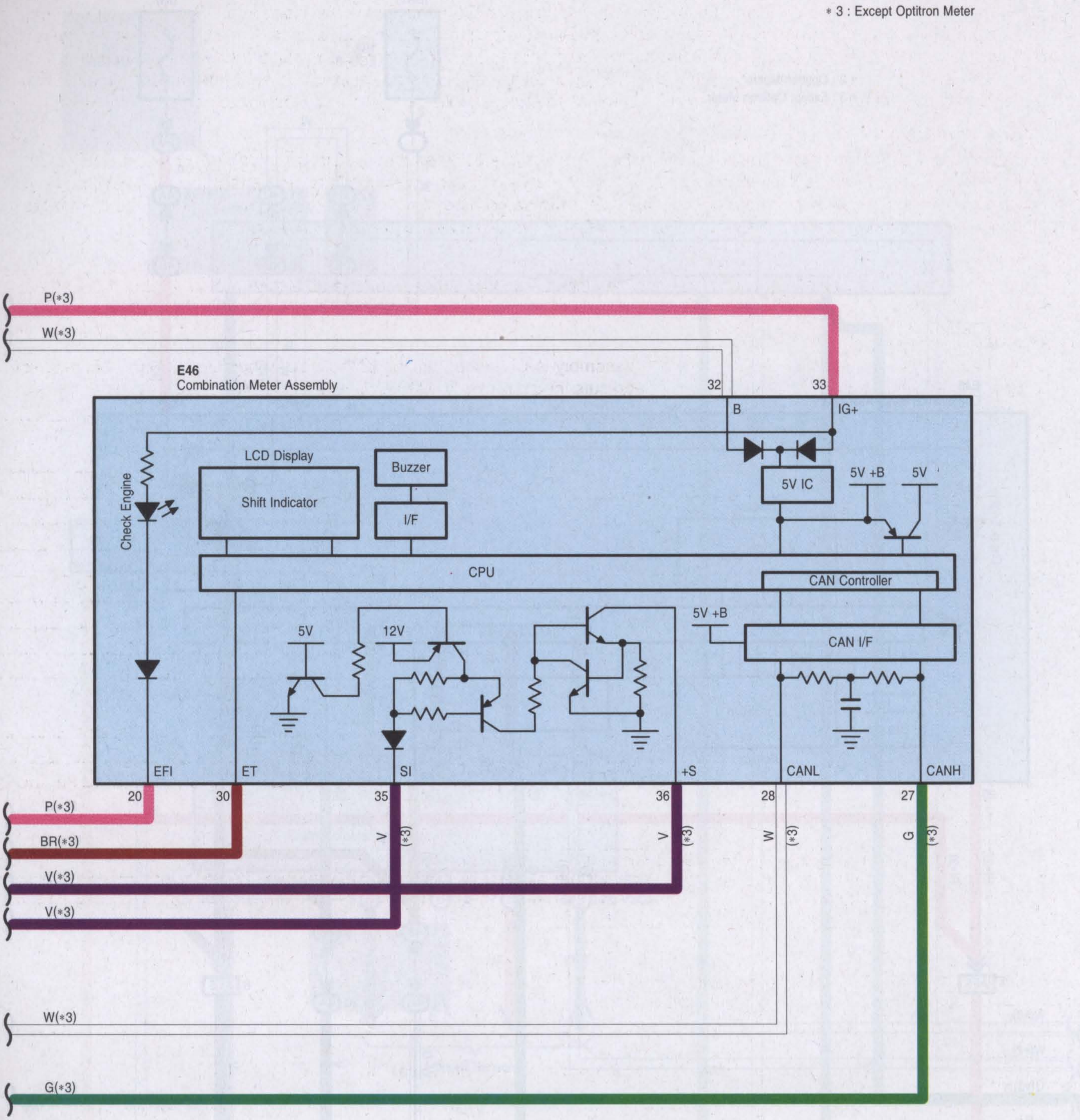

(IG)
10A
ECU–IG
NO. 2
19 2B
G
5 BA2
G
2
RB
PL
RL
NL
DL
2L
LL
B88
Park/Neutral Position
Switch Assembly
6
1
9
7
3
8
P
P
V
R
B
BR
GR
P
9 BA2
73 B
53 B
54 B
55 B
74 B
56 B
P
R
N
2
L
D
A50(A), B31(B)
ECM
TC
TACH
CANL
CANH
SPD
W
3
27 A
15 A
49 A
41 A
8 A
24 A
26 A
P
GR
W
Y
V
R
W
P
3 AE6
P
23 2B
25 2B
4 2C
10 2E
4 AE2
1 AE6
1
NSSD
AT3
E83
Transmission Control Switch
2
P
GR
V
W
17 4B
39 4A
W
P
13
9
TC
TAC
E11
DLC3
CANL
CANH
14
6
R
V
Y
W
LG
LG
W
W



E58
Junction Connector
10
21
7
18
2
13
B
W
24 AE3
23 AE3
LG
W
G (*2)
G (*3)
W (*2)
W (*3)
9
20
A47
Junction Connector
10
21
8
19
Speed Sensors
Y
W
R
W
LG
V
BR
LG
25 A -- 14 A -- 19 A -- 18 A --- 7 A --- 6 A (w/ VSC)
25 B -- 14 B -- 19 B -- 18 B --- 7 B --- 6 B (w/o VSC)
CANH
CANL
FL+
FL−
FR+
FR−
A51(A), A66(B)
Brake Actuator Assembly
SP1
RL+
RL−
RR+
RR−
11 A ------------ 5 A --- 4 A -- 17 A -- 16 A (w/ VSC)
22 B ------------ 5 B --- 4 B -- 17 B -- 16 B (w/o VSC)
V
B
W
R
G
Speed Sensors
W(*3)
W(*2)
G(*3)
R
V
Y
G(*2)
W
V
LG
W



(BAT)
(IG)
10A
ECU–B
7. 5A
METER
∗2 : Optitron Meter
∗3 : Except Optitron Meter
E46
Combination Meter Assembly
Check Engine
Display
Shift Indicator
CPU
CAN Controller
I/F
Buzzer
Information
Display
5V +B
CAN I/F
5V IC
IG2
B
IG+
EFI
CANL
CANH
ET
+S
SI
P(∗3)
W(∗3)
BR(∗3)
V(∗3)
W(∗2)
G(∗3)
R
V
G(∗2)
W–B
E2


* 3 : Except Optitron Meter
P(*3)
W(*3)
E46
Combination Meter Assembly
32
33
B
IG+
LCD Display
Shift Indicator
Buzzer
I/F
5V IC
5V +B
5V
Check Engine
CPU
CAN Controller
5V +B
CAN I/F
5V
12V
EFI
ET
SI
+S
CANL
CANH
20
30
35
36
28
27
P(*3)
BR(*3)
V(*3)
V(*3)
V (*3)
V (*3)
W (*3)
G (*3)
W(*3)
G(*3)

## System Outline

Previous automatic transaxles have selected each gear shift using mechanically controlled throttle hydraulic pressure, governor hydraulic pressure and lock up hydraulic pressure. The ECT, however, electrically controls the line pressure, throttle pressure, lock up pressure and accumulator pressure etc. through solenoid valves. The ECT is a system which precisely controls gear shift timing and lock up timing in response to the driving conditions and the engine condition detected by various sensors. It makes smooth driving possible by precisely selecting the gear which is the most appropriate to the driving conditions at that time, and by preventing downing, squatting, and gear shift shock when starting off.

### 1. Gear Shift Operation

During driving the engine warm up condition signal is sent from the E.F.I. engine coolant temperature sensor to TERMINAL THW of the ECM, and the vehicle speed signals are sent from the speed sensors to the brake actuator assembly, and are then sent to the ECM through communication control. At the same time, the throttle valve opening signal is sent from the throttle position sensor to the TERMINALS VTA1 and VTA2 of the ECM, as the throttle angle signal.

### 2. Lock–Up Operation

When the ECM decides based on each signal that the lock up condition has been met, the current flows out of TERMINAL SL of the ECM into TERMINAL 4 of the electronically controlled transmission solenoid and then to GROUND.

### 3. Stop Light Switch Assembly Circuit

If the brake pedal is depressed (Stop light switch assembly is ON) when driving in the lock up condition, a signal is sent to TERMINAL STP of the ECM. The ECM operates and cuts the current to the solenoid to release lock–up.

### ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | See Page |
|---|---|---|---|---|---|---|---|
| A1 | | 57 | A66 | B | 52 | B91 | 53 |
| A3 | | 57 | B2 | | 53 | E11 | 54 |
| A45 | A | 57 | B3 | | 53 | E46 | 55 |
| A46 | B | 57 | B25 | | 53 | E58 | 55 |
| A47 | | 57 | B31 | B | 53 | E83 | 56 |
| A50 | A | 52 | B88 | | 53 | | |
| A51 | A | 52 | B90 | | 53 | | |

### ▢ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

### ▢ : Junction Block and Wire Harness Connector

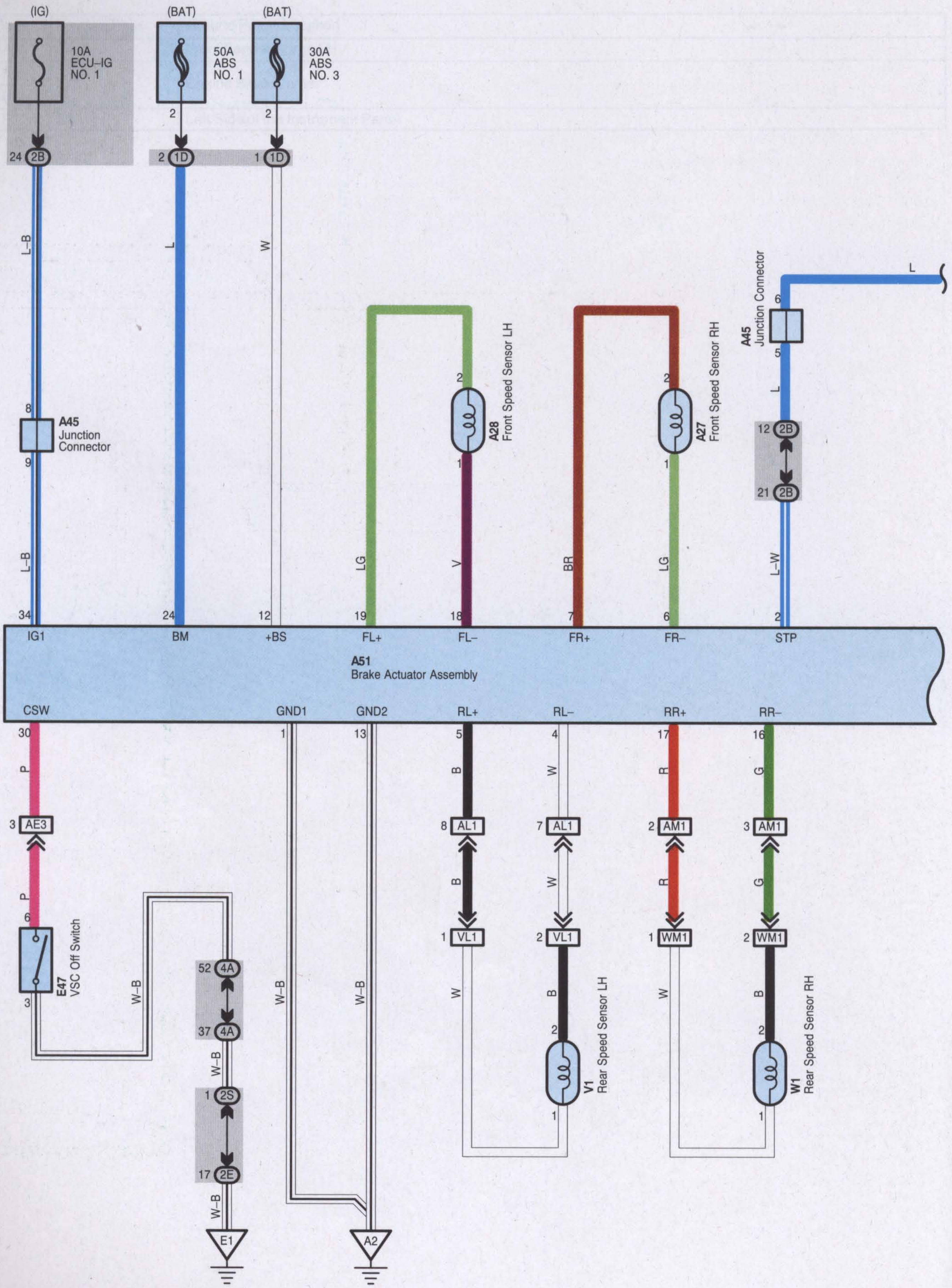
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1B | 26 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2C | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | | |
| 2H | | |
| 2M | 29 | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

### □ : Connector Joining Wire Harness and Wire Harness

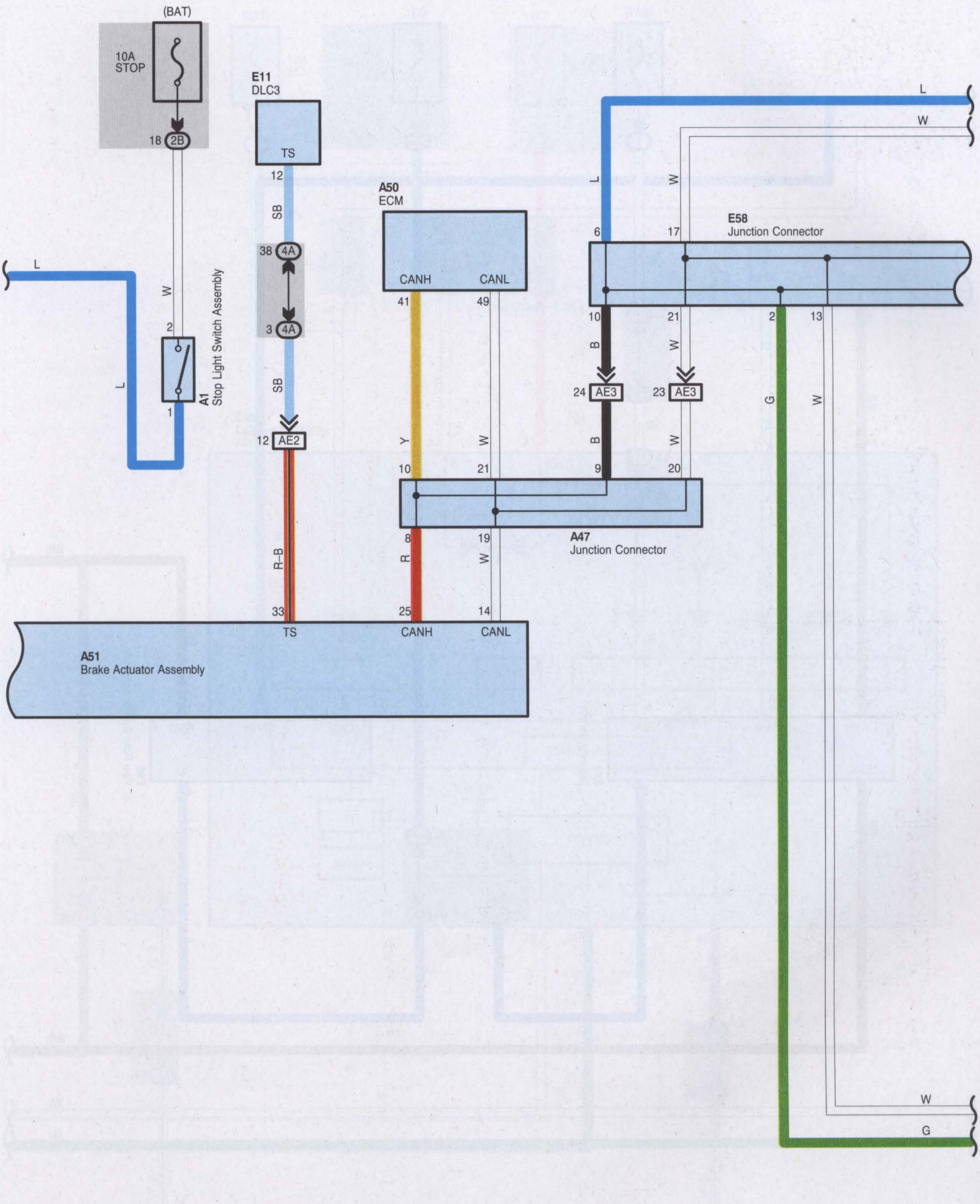
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE3 | | |
| AE5 | | |
| AE6 | | |
| BA1 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| BA2 | | |

▽ : **Ground Points**

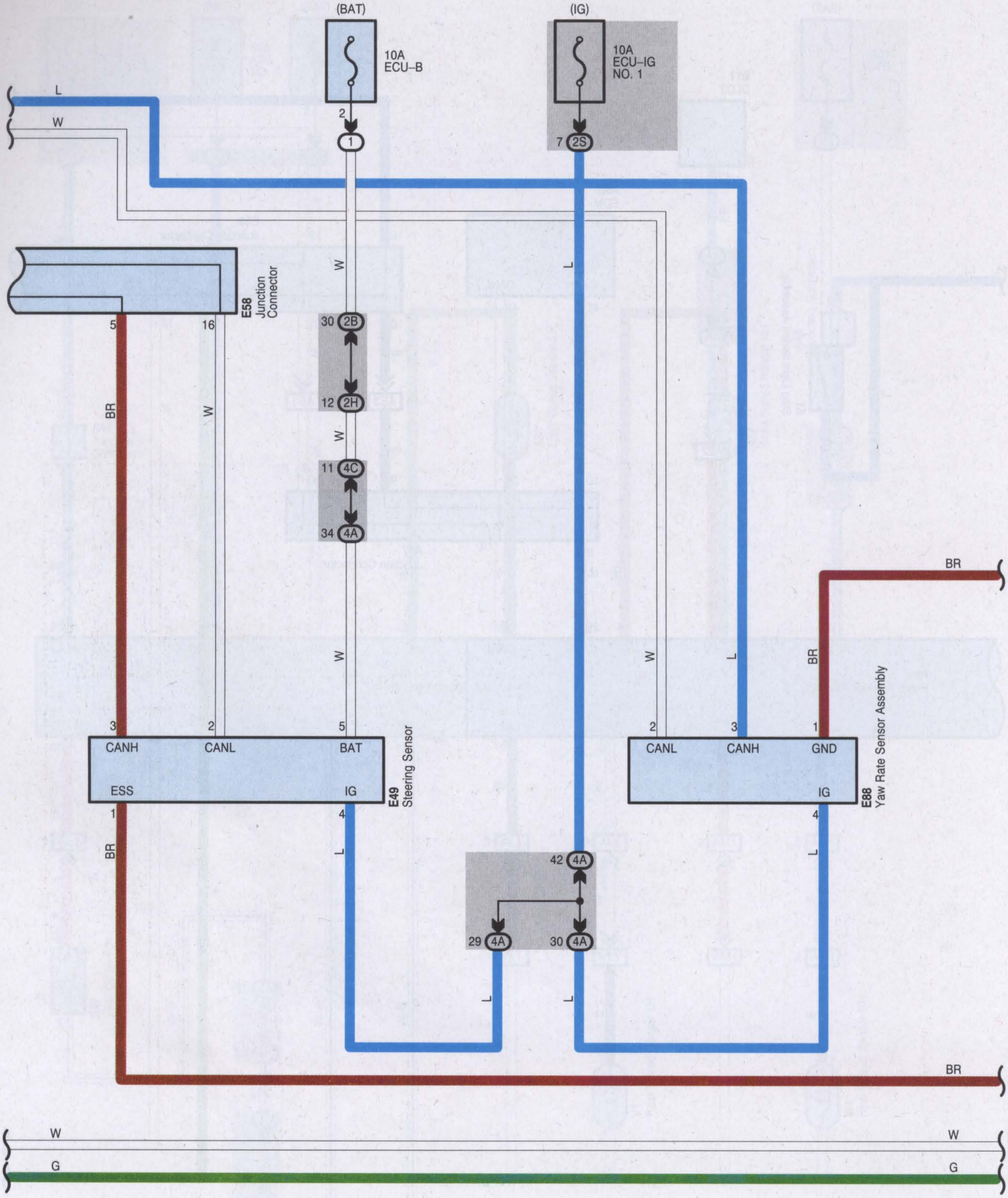
| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| B1 | 64 | Engine Block Center |
| B2 | | |
| E2 | 65 | Left Side of the Instrument Panel |



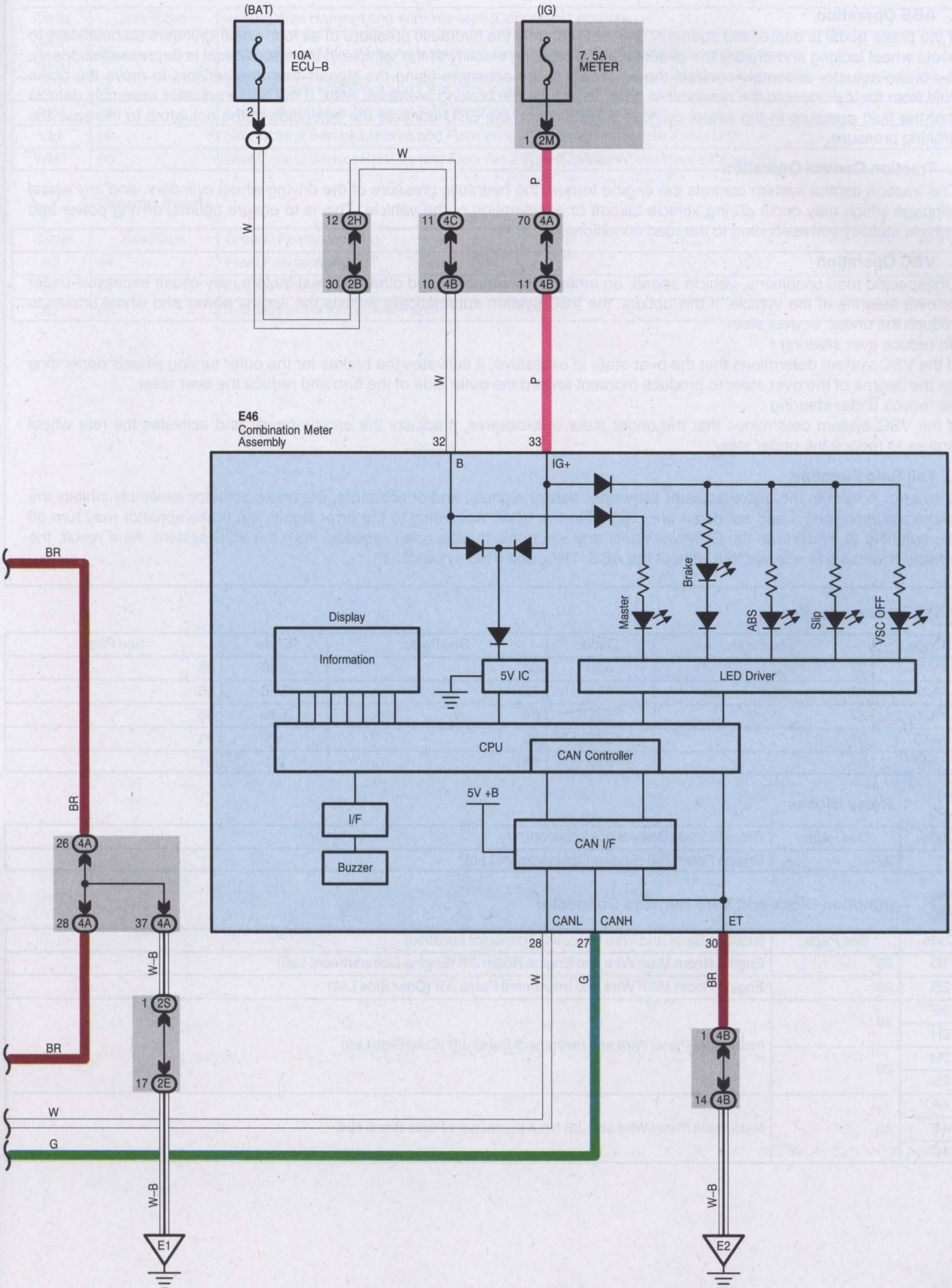
(IG)
10A
ECU-IG
NO. 1
(BAT)
50A
ABS
NO. 1
(BAT)
30A
ABS
NO. 3
L-B
L
W
LG
V
BR
LG
L-W
L
A45
Junction Connector
A28
Front Speed Sensor LH
A27
Front Speed Sensor RH
IG1
BM
+BS
FL+
FL−
FR+
FR−
STP
A51
Brake Actuator Assembly
CSW
GND1
GND2
RL+
RL−
RR+
RR−
P
B
W
R
G
E47
VSC Off Switch
W-B
V1
Rear Speed Sensor LH
W1
Rear Speed Sensor RH
E1
A2



(BAT)
10A
STOP
18 2B
E11
DLC3
TS
12
SB
38 4A
3 4A
12 AE2
R–B
A50
ECM
CANH
CANL
41
49
Y
W
L
W
2
1
A1
Stop Light Switch Assembly
E58
Junction Connector
6
17
10
21
2
13
B
W
24 AE3
23 AE3
G
10
21
9
20
A47
Junction Connector
8
19
R
33
25
14
TS
CANH
CANL
A51
Brake Actuator Assembly



(BAT)
10A
ECU–B
(IG)
10A
ECU–IG
NO. 1
L
W
2
1
7
2S
E58
Junction
Connector
5
16
BR
W
30
2B
12
2H
11
4C
34
4A
3
CANH
2
CANL
5
BAT
ESS
IG
1
4
E49
Steering Sensor
42
4A
29
4A
30
4A
2
CANL
3
CANH
1
GND
IG
4
E88
Yaw Rate Sensor Assembly
G



(BAT)
10A
ECU–B
(IG)
7. 5A
METER
2
1
1 2M
W
P
12 2H
11 4C
70 4A
30 2B
10 4B
11 4B
E46
Combination Meter
Assembly
32
33
B
IG+
BR
Master
Brake
ABS
Slip
VSC OFF
Display
Information
5V IC
LED Driver
CPU
CAN Controller
5V +B
I/F
CAN I/F
Buzzer
CANL
CANH
ET
26 4A
28 4A
37 4A
28
27
30
W–B
G
1 2S
17 2E
1 4B
14 4B
E1
E2

## System Outline

### 1. ABS Operation

If the brake pedal is depressed suddenly, the ABS controls the hydraulic pressure of all four wheel cylinders automatically to avoid wheel locking and ensure the directional and steering stability of the vehicle. If the brake pedal is depressed suddenly, the brake actuator assembly controls the solenoids in the actuators using the signals from the sensors to move the brake fluid from the cylinders to the reservoir in order to reduce the braking pressure. Also, If the brake actuator assembly detects that the fluid pressure in the wheel cylinder is insufficient, the ECU controls the solenoids in the actuators to increase the braking pressure.

### 2. Traction Control Operation

The traction control system controls the engine torque, the hydraulic pressure of the driving wheel cylinders, and any wheel slippage which may occur during vehicle takeoff or acceleration of the vehicle. This is to ensure optimal driving power and vehicle stability corresponding to the road conditions.

### 3. VSC Operation

Unexpected road conditions, vehicle speed, an emergency situation, and other external factors may cause excessive under or over steering of the vehicle. If this occurs, the VSC system automatically adjusts the engine power and wheel brakes to reduce the under or over steer.

To reduce over steering :

If the VSC system determines that the over steer is excessive, it activates the brakes for the outer turning wheels depending on the degree of the over steer to produce moment toward the outer side of the turn and reduce the over steer.

To reduce under steering :

If the VSC system determines that the under steer is excessive, it adjusts the engine power and activates the rear wheel brakes to reduce the under steer.

### 4. Fail Safe Function

If an error occurs in the brake actuator assembly, sensor signals, and/or actuators, the brake actuator assembly inhibits the brake actuator control and sends an error signal to the ECM. According to the error signal, the brake actuator may turn off the solenoid at which time the ECM will reject any electronic throttle open requests from the VSC system. As a result, the vehicle continues to operate, but without the ABS, TRC, and VSC systems.

○ : **Parts Location**

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| A1 | 57 | A50 | 52 | E49 | 55 |
| A27 | 52 | A51 | 52 | E58 | 55 |
| A28 | 52 | E11 | 54 | E88 | 56 |
| A45 | 57 | E46 | 55 | V1 | 61 |
| A47 | 57 | E47 | 55 | W1 | 61 |

: **Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

: **Junction Block and Wire Harness Connector**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1D | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | | |
| 2M | 29 | |
| 2S | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

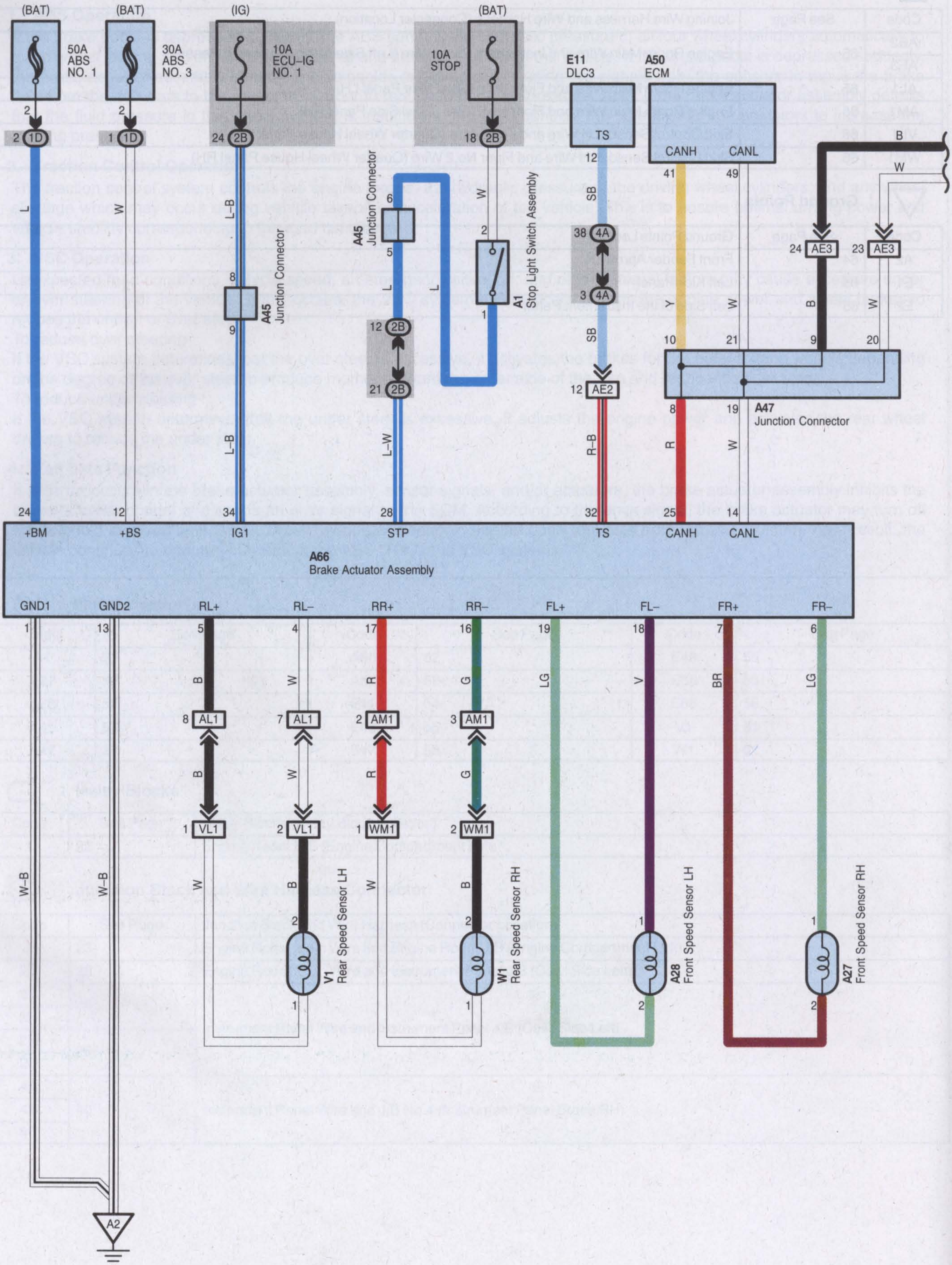
□ : **Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE3 | | |
| AL1 | 65 | Engine Room Main Wire and Floor Wire (Cowl Side Panel LH) |
| AM1 | 65 | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel RH) |
| VL1 | 66 | Skid Control Sensor LH Wire and Floor Wire (Quarter Wheel House Panel LH) |
| WM1 | 66 | Skid Control Sensor RH Wire and Floor No.2 Wire (Quarter Wheel House Panel RH) |

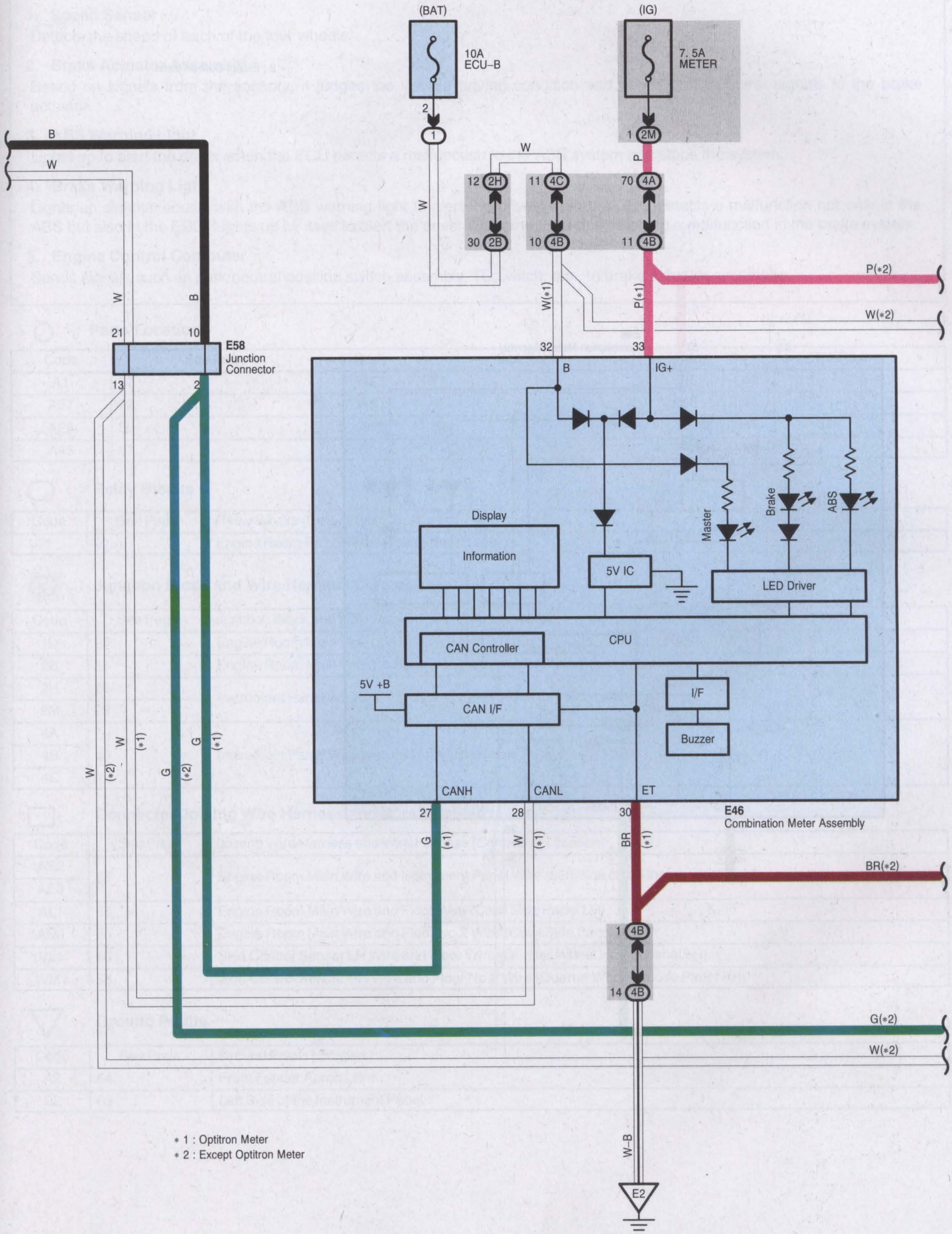
▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| A2 | 64 | Front Fender Apron LH |
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |

# ABS ( 不带 VSC)

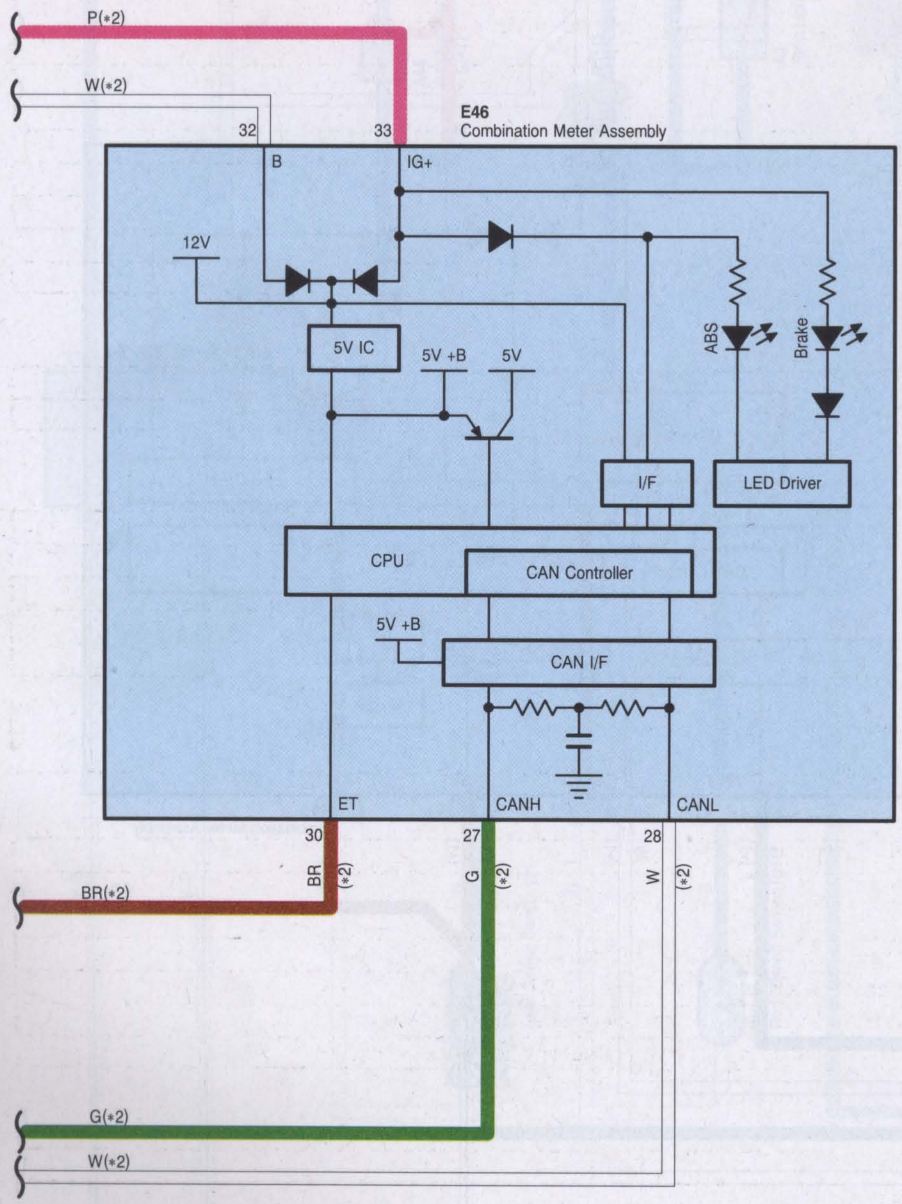


(BAT)
50A
ABS
NO. 1
(BAT)
30A
ABS
NO. 3
(IG)
10A
ECU–IG
NO. 1
(BAT)
10A
STOP
E11
DLC3
A50
ECM
TS
CANH
CANL
A45
Junction Connector
A1
Stop Light Switch Assembly
A47
Junction Connector
+BM
+BS
IG1
STP
TS
CANH
CANL
A66
Brake Actuator Assembly
GND1
GND2
RL+
RL–
RR+
RR–
FL+
FL–
FR+
FR–
V1
Rear Speed Sensor LH
W1
Rear Speed Sensor RH
A28
Front Speed Sensor LH
A27
Front Speed Sensor RH
A2


(BAT)
10A
ECU–B
(IG)
7. 5A
METER
2
1
1
2M
W
12
2H
30
2B
11
4C
10
4B
70
4A
11
4B
P(*2)
W(*2)
B
W
W
B
21
10
E58
Junction
Connector
13
2
W(*1)
P(*1)
32
33
B
IG+
Display
Information
5V IC
Master
Brake
ABS
LED Driver
CAN Controller
CPU
5V +B
CAN I/F
I/F
Buzzer
CANH
CANL
ET
27
28
30
E46
Combination Meter Assembly
G
(*1)
W
(*1)
BR
(*1)
BR(*2)
W
(*2)
W
(*1)
G
(*2)
G
(*1)
1
4B
14
4B
G(*2)
W(*2)
W–B
E2
* 1 : Optitron Meter
* 2 : Except Optitron Meter

# ABS ( 不带 VSC)

＊2 : Except Optitron Meter



## System Outline

### 1. Speed Sensor
Detects the speed of each of the four wheels.

### 2. Brake Actuator Assembly
Based on signals from the sensors, it judges the vehicle driving condition and sends brake control signals to the brake actuator.

### 3. ABS Warning Light
Lights up to alert the driver when the ECU detects a malfunction in the ABS system and stops the system.

### 4. Brake Warning Light
Lights up simultaneously with the ABS warning light to alert the driver when the ECU detects a malfunction not only in the ABS but also in the EBD. Lights up by itself to alert the driver when the ECU has detected a malfunction in the brake system.

### 5. Engine Control Computer
Sends signals such as park/neutral position switch assembly, TC switch, etc., to brake actuator assembly.

## ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| A1 | 57 | A47 | 57 | E46 | 55 |
| A27 | 52 | A50 | 52 | E58 | 55 |
| A28 | 52 | A66 | 52 | V1 | 61 |
| A45 | 57 | E11 | 54 | W1 | 61 |

## ▢ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

## ▢ : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1D | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE3 | | |
| AL1 | 65 | Engine Room Main Wire and Floor Wire (Cowl Side Panel LH) |
| AM1 | 65 | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel RH) |
| VL1 | 66 | Skid Control Sensor LH Wire and Floor Wire (Quarter Wheel House Panel LH) |
| WM1 | 66 | Skid Control Sensor RH Wire and Floor No.2 Wire (Quarter Wheel House Panel RH) |

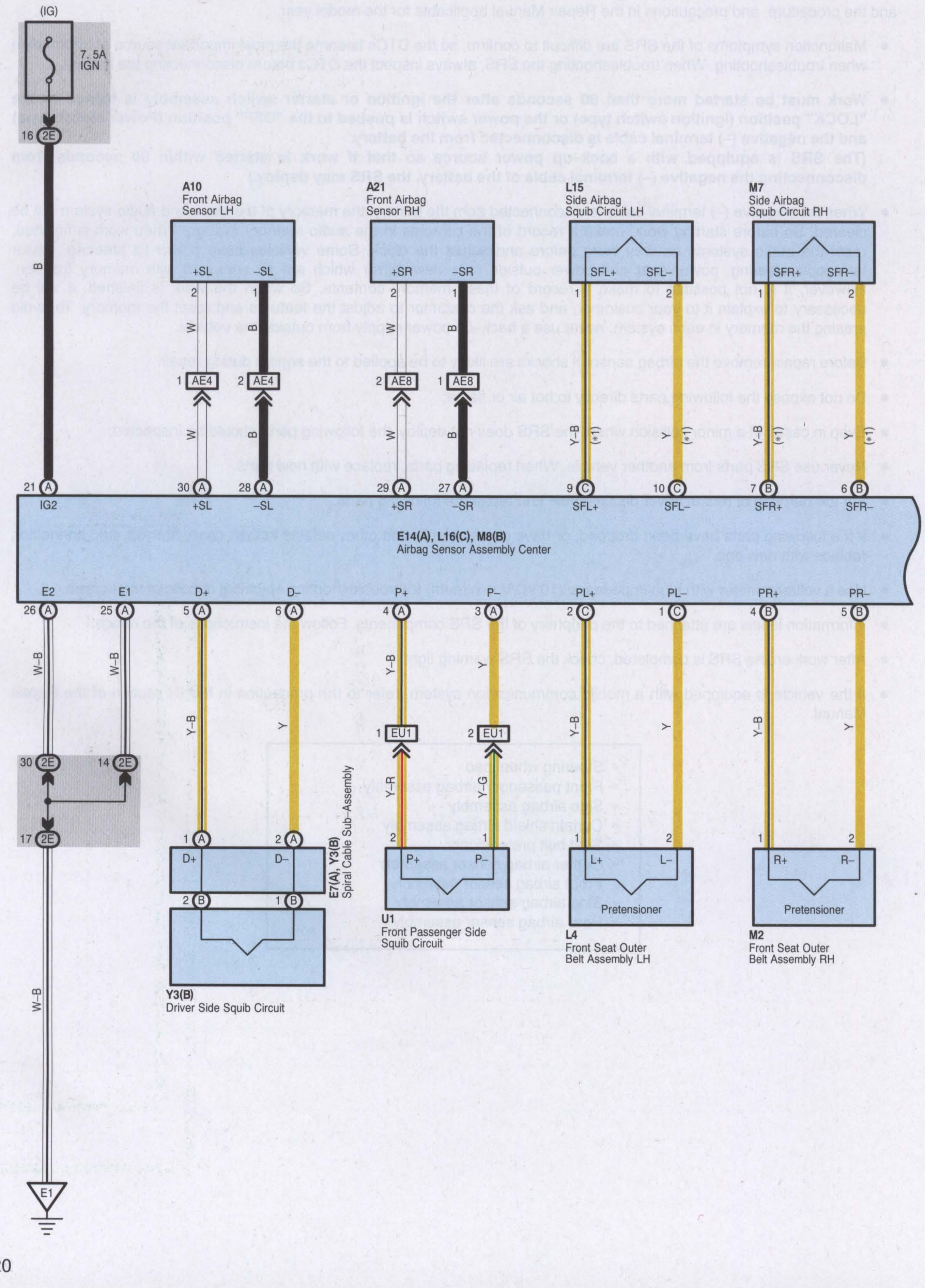
## ▽ : Ground Points

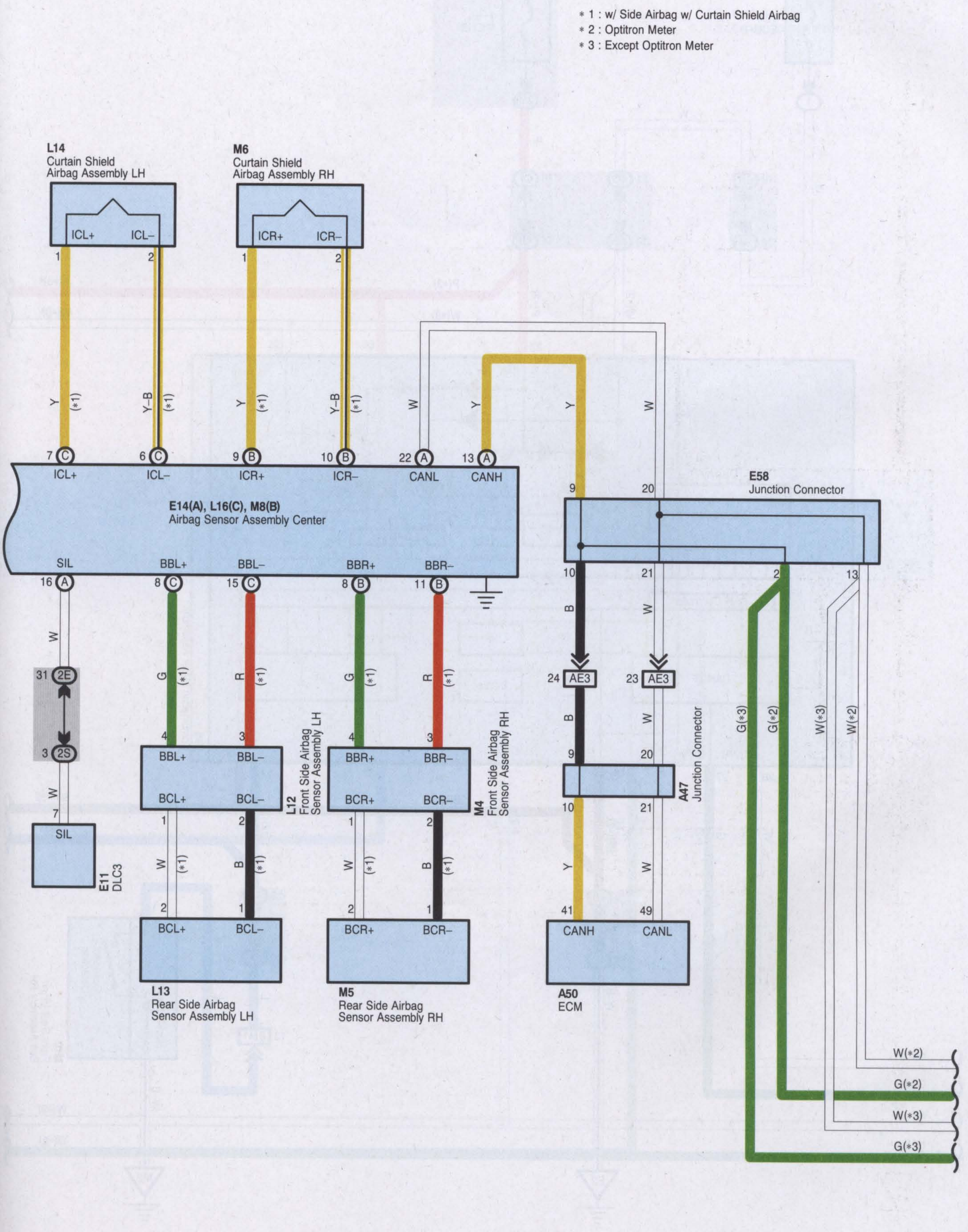
| Code | See Page | Ground Points Location |
|---|---|---|
| A2 | 64 | Front Fender Apron LH |
| E2 | 65 | Left Side of the Instrument Panel |

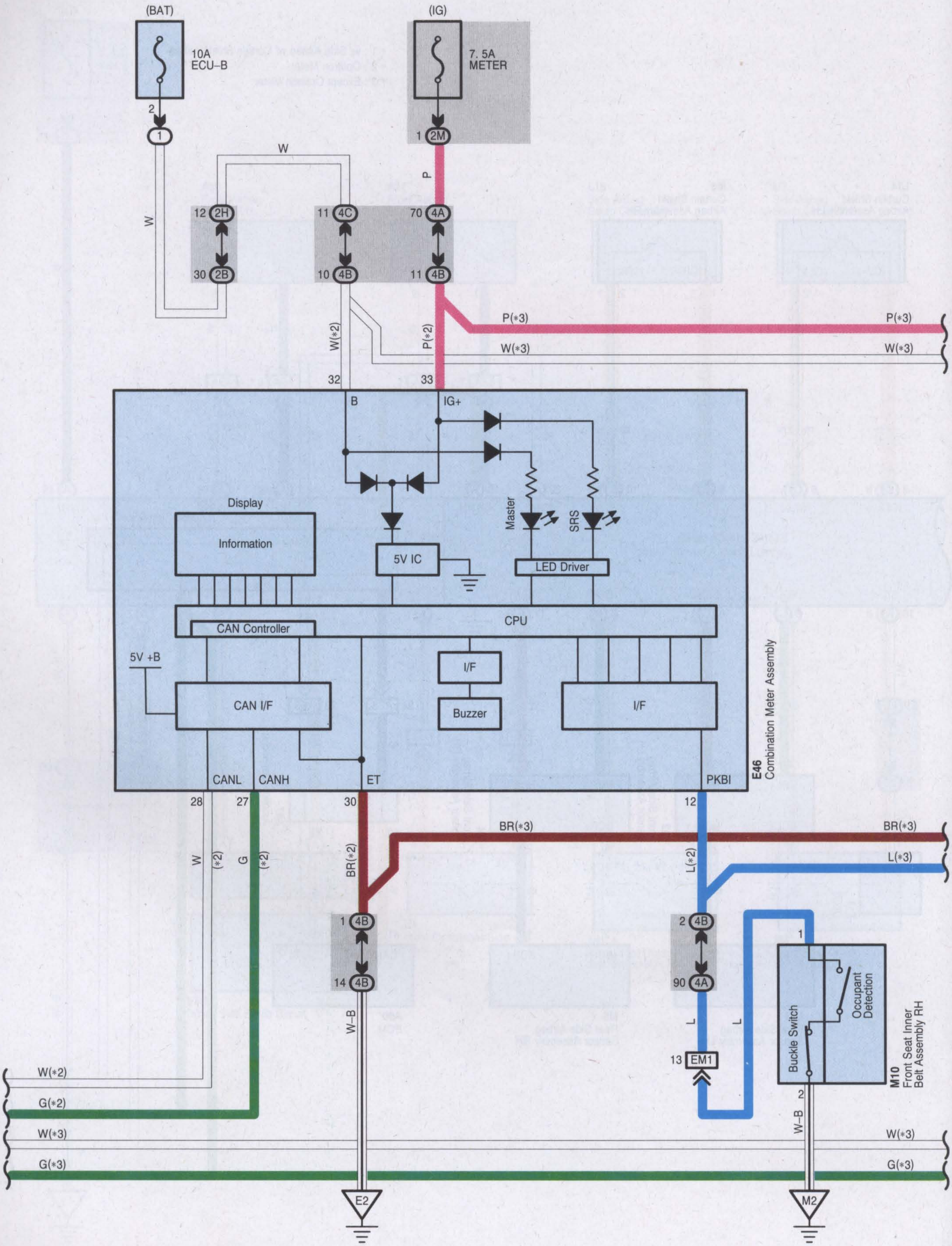
NOTICE: When inspecting or repairing the SRS, perform service in accordance with the following precautionary instructions and the procedure, and precautions in the Repair Manual applicable for the model year.

- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started more than 90 seconds after the ignition or starter switch assembly is turned to the "LOCK" position (Ignition switch type) or the power switch is pushed to the "OFF" position (Power switch type) and the negative (–) terminal cable is disconnected from the battery.**
  **(The SRS is equipped with a back–up power source so that if work is started within 90 seconds from disconnecting the negative (–) terminal cable of the battery, the SRS may deploy.)**
- When the negative (–) terminal cable is disconnected from the battery, the memory of the clock and audio system will be cleared. So before starting work, make a record of the contents in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. Some vehicles have power tilt steering, power telescopic steering, power seat and power outside rear view mirror which are all equipped with memory function. However, it is not possible to make a record of these memory contents. So when the work is finished, it will be necessary to explain it to your customer, and ask the customer to adjust the features and reset the memory. To avoid erasing the memory in each system, never use a back–up power supply from outside the vehicle.
- Before repair, remove the airbag sensor if shocks are likely to be applied to the sensor during repair.
- Do not expose the following parts directly to hot air or flame;
- Even in cases of a minor collision where the SRS does not deploy, the following parts should be inspected;
- Never use SRS parts from another vehicle. When replacing parts, replace with new parts.
- For the purpose of reuse, never disassemble and repair the following parts.
- If the following parts have been dropped, or have cracks, dents and other defects in their case, bracket, and connector, replace with new one.
- Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting electrical circuits of the system.
- Information labels are attached to the periphery of the SRS components. Follow the instructions of the notice.
- After work on the SRS is completed, check the SRS warning light.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.

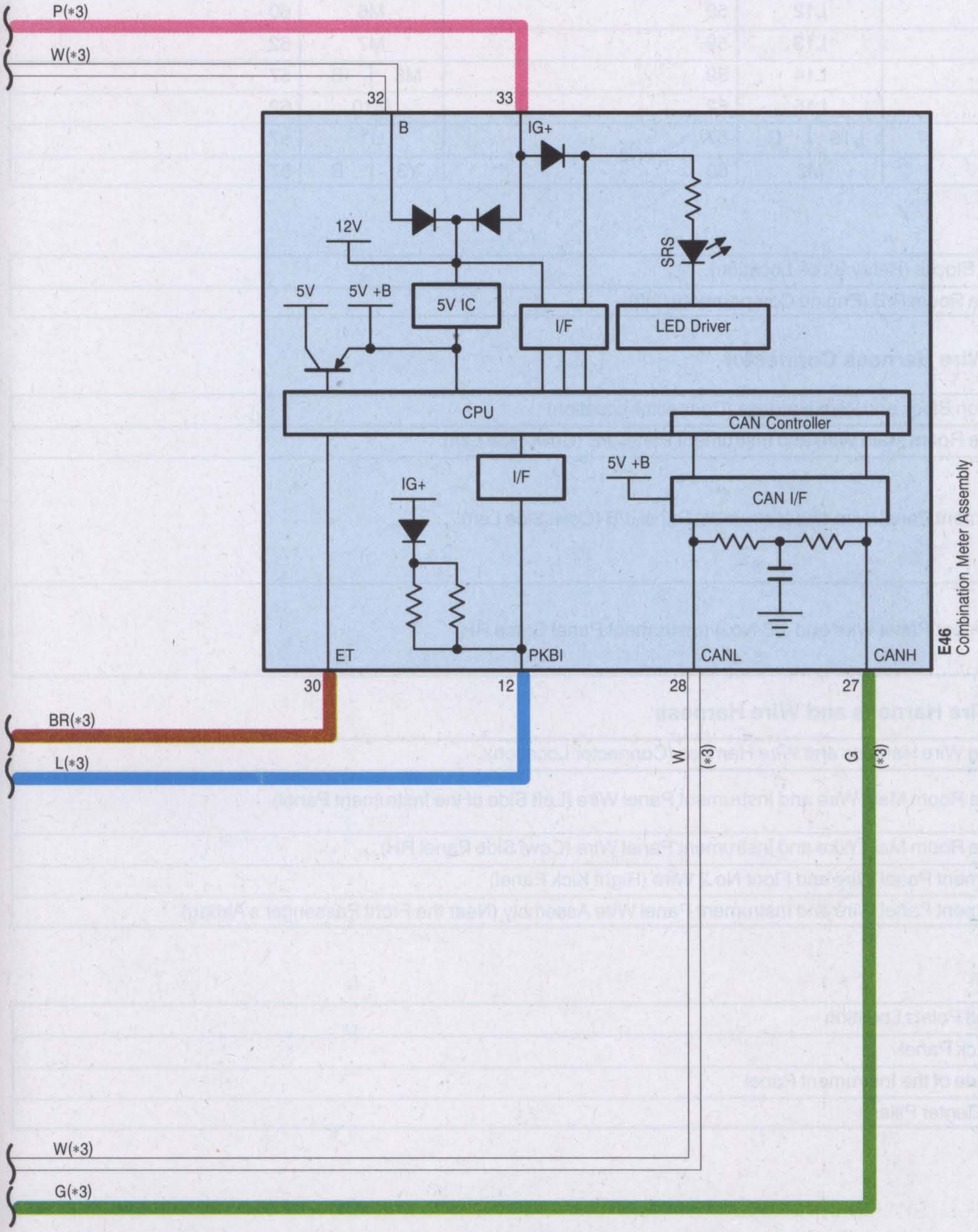
∗ Steering wheel pad
∗ Front passenger airbag assembly
∗ Side airbag assembly
∗ Curtain shield airbag assembly
∗ Seat belt pretensioner
∗ Center airbag sensor assembly
∗ Front airbag sensor assembly
∗ Side airbag sensor assembly
∗ Rear airbag sensor assembly


(IG)
7. 5A
IGN
16 2E
B
A10
Front Airbag
Sensor LH
+SL
–SL
A21
Front Airbag
Sensor RH
+SR
–SR
L15
Side Airbag
Squib Circuit LH
SFL+
SFL–
M7
Side Airbag
Squib Circuit RH
SFR+
SFR–
1 AE4
2 AE4
2 AE8
1 AE8
W
B
Y–B
Y
(*1)
21 A
30 A
28 A
29 A
27 A
9 C
10 C
7 B
6 B
IG2
+SL
–SL
+SR
–SR
SFL+
SFL–
SFR+
SFR–
E14(A), L16(C), M8(B)
Airbag Sensor Assembly Center
E2
E1
D+
D–
P+
P–
PL+
PL–
PR+
PR–
26 A
25 A
5 A
6 A
4 A
3 A
2 C
1 C
4 B
5 B
W–B
Y–B
Y
1 EU1
2 EU1
Y–R
Y–G
30 2E
14 2E
17 2E
E7(A), Y3(B)
Spiral Cable Sub–Assembly
1 A
2 A
2 B
1 B
D+
D–
Y3(B)
Driver Side Squib Circuit
P+
P–
U1
Front Passenger Side
Squib Circuit
L+
L–
Pretensioner
L4
Front Seat Outer
Belt Assembly LH
R+
R–
Pretensioner
M2
Front Seat Outer
Belt Assembly RH
E1


* 1 : w/ Side Airbag w/ Curtain Shield Airbag
* 2 : Optitron Meter
* 3 : Except Optitron Meter
L14
Curtain Shield
Airbag Assembly LH
ICL+
ICL–
M6
Curtain Shield
Airbag Assembly RH
ICR+
ICR–
E14(A), L16(C), M8(B)
Airbag Sensor Assembly Center
ICL+
ICL–
ICR+
ICR–
CANL
CANH
SIL
BBL+
BBL–
BBR+
BBR–
E58
Junction Connector
AE3
AE3
A47
Junction Connector
L12
Front Side Airbag
Sensor Assembly LH
M4
Front Side Airbag
Sensor Assembly RH
BBL+
BBL–
BCL+
BCL–
BBR+
BBR–
BCR+
BCR–
SIL
E11
DLC3
BCL+
BCL–
L13
Rear Side Airbag
Sensor Assembly LH
BCR+
BCR–
M5
Rear Side Airbag
Sensor Assembly RH
CANH
CANL
A50
ECM
W(*2)
G(*2)
W(*3)
G(*3)


(BAT)
10A ECU–B
(IG)
7. 5A METER
W
P
P(*3)
W(*3)
W(*2)
P(*2)
B
IG+
Display
Information
5V IC
Master
SRS
LED Driver
CPU
CAN Controller
5V +B
CAN I/F
I/F
Buzzer
I/F
CANL
CANH
ET
PKBI
E46
Combination Meter Assembly
BR(*3)
L(*3)
BR(*2)
L(*2)
W-B
L
EM1
Buckle Switch
Occupant Detection
M10
Front Seat Inner Belt Assembly RH
W(*2)
G(*2)
W(*3)
G(*3)
E2
M2

* 2 : Optitron Meter
* 3 : Except Optitron Meter



# SRS

## System Outline

* The system reaches an ignition judgment to deploy the following device based on the signals received from the front airbag sensor and deceleration sensor.
  – Driver Airbag
  – Front Passenger Airbag
  – Seat Belt Pretensioner
* The system reaches an ignition judgment to deploy the following device based on the signals received from the side airbag sensors.
  – Side Airbags
  – Curtain Shield Airbags

## : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| A10 | 52 | E58 | 55 | M4 | 60 |
| A21 | 52 | L4 | 59 | M5 | 60 |
| A47 | 57 | L12 | 59 | M6 | 60 |
| A50 | 52 | L13 | 59 | M7 | 62 |
| E7 A | 54 | L14 | 59 | M8 B | 57 |
| E11 | 54 | L15 | 62 | M10 | 62 |
| E14 A | 54 | L16 C | 57 | U1 | 57 |
| E46 | 55 | M2 | 60 | Y3 B | 57 |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

## : Junction Block and Wire Harness Connector

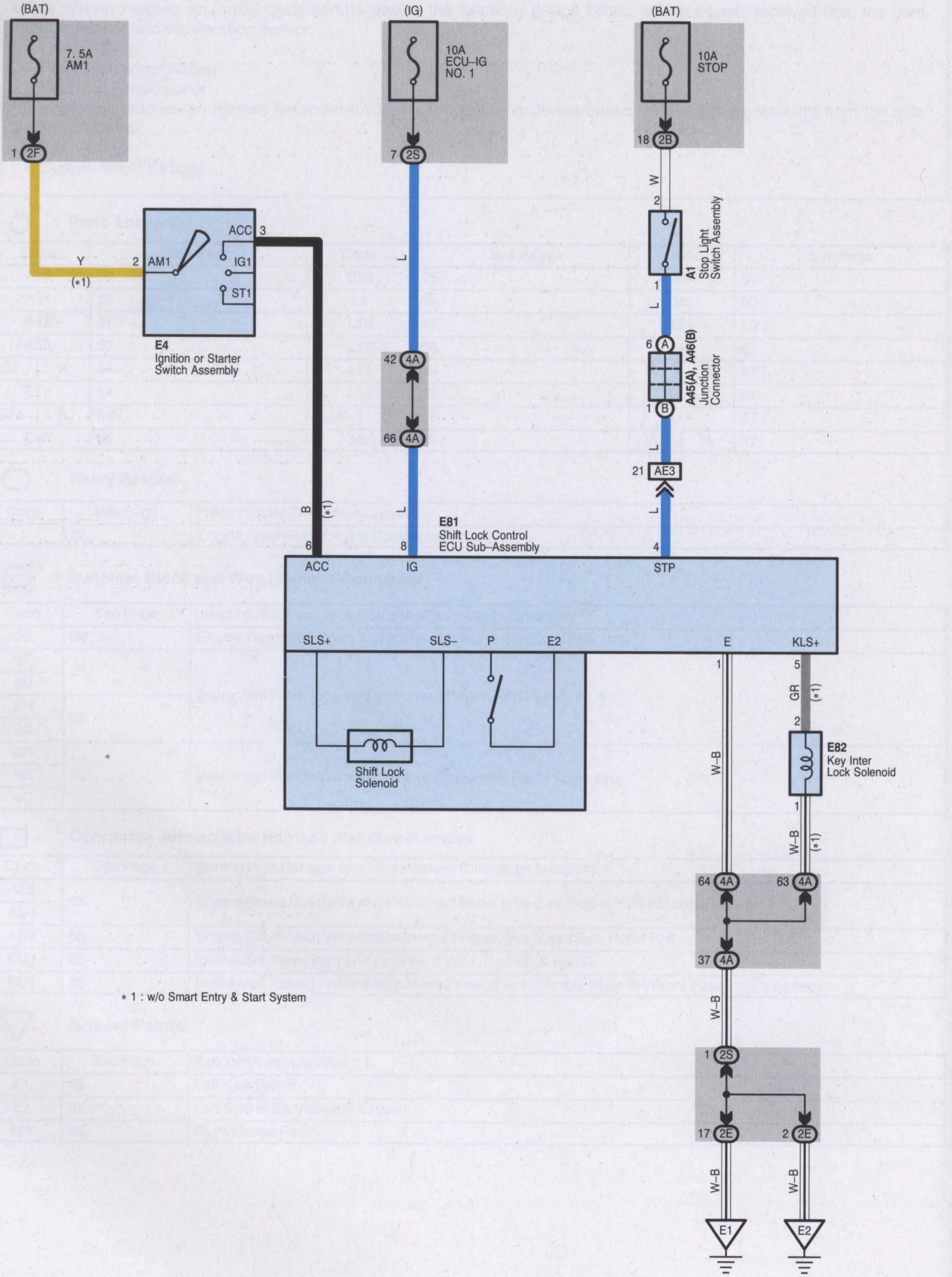
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2S | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4C | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

## : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE3 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE4 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE8 | 65 | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH) |
| EM1 | 65 | Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel) |
| EU1 | 65 | Instrument Panel Wire and Instrument Panel Wire Assembly (Near the Front Passenger's Airbag) |

## : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |
| M2 | 66 | Right Center Pillar |




* 1 : w/o Smart Entry & Start System

## System Outline

The shift lever can only be shifted from the P position when the brake pedal is depressed and the ignition key is in the ON position.

### ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| A1 | 57 | A46 B | 57 | E81 | 56 |
| A45 A | 57 | E4 | 54 | E82 | 56 |

### : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2F | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2S | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

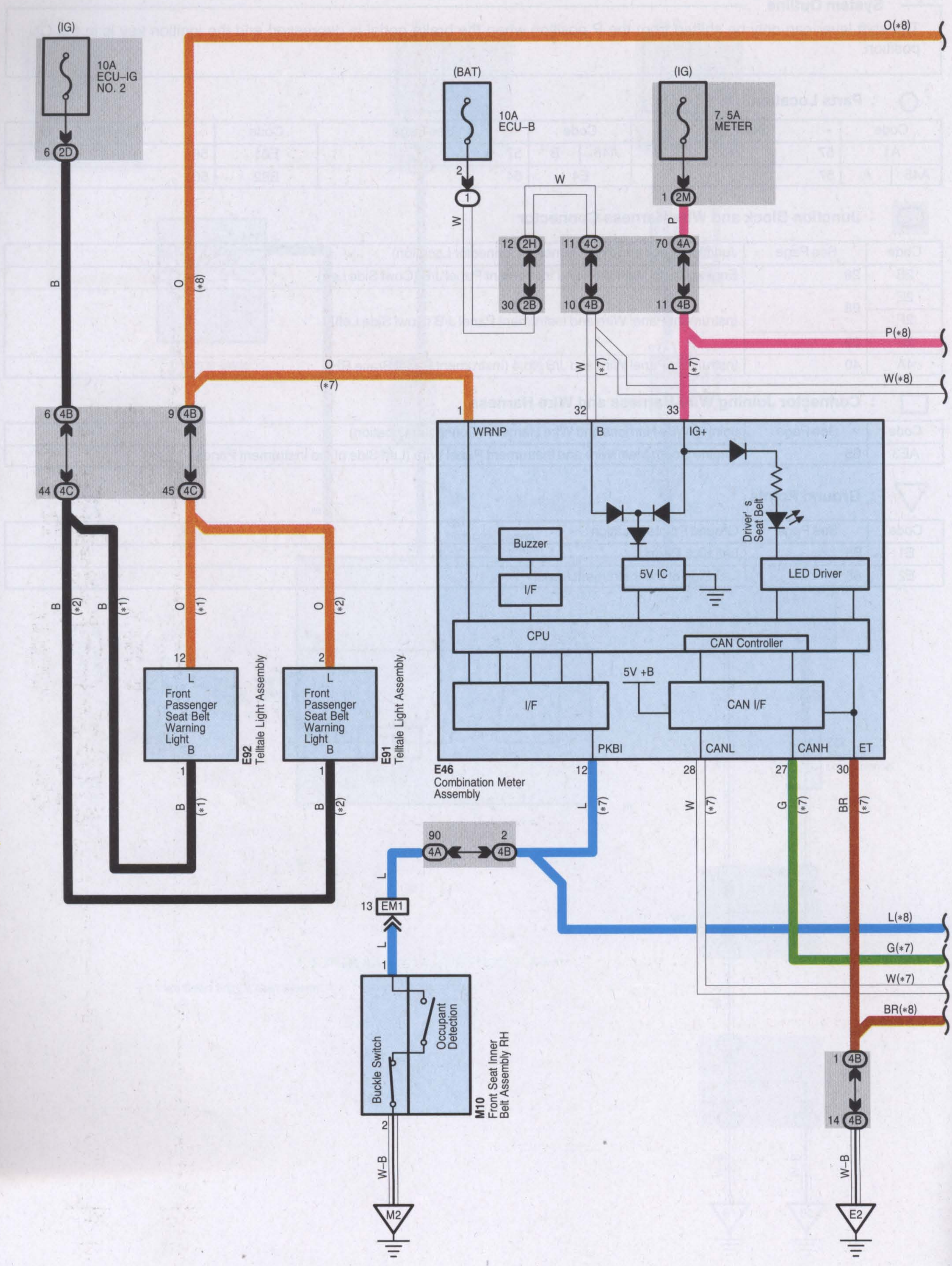
### □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE3 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |

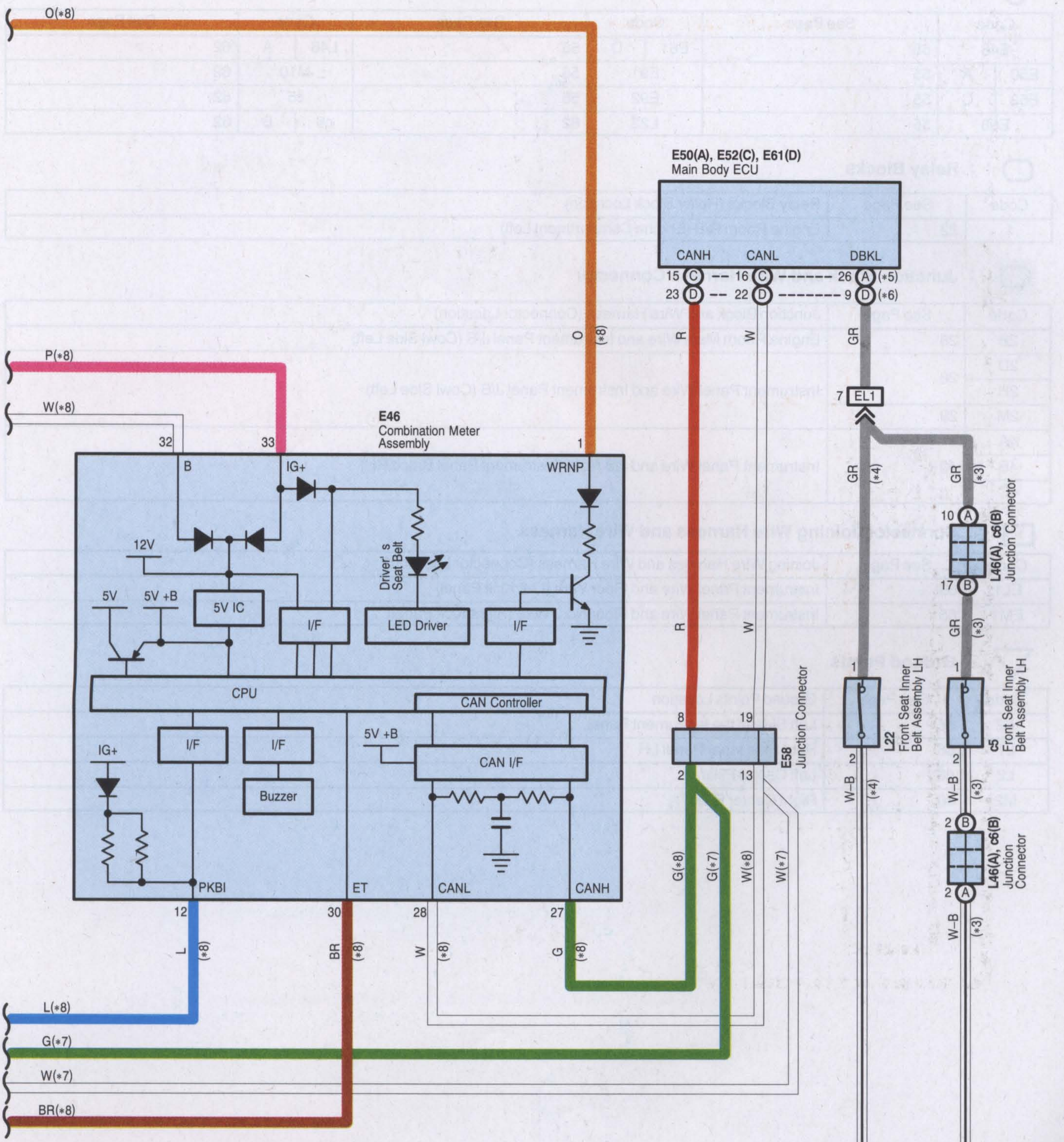
### ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |

# 安全带警告



(IG)
10A ECU–IG NO. 2
(BAT)
10A ECU–B
(IG)
7. 5A METER
O(*8)
P(*8)
W(*8)
WRNP
B
IG+
Driver's Seat Belt
Buzzer
I/F
5V IC
LED Driver
CPU
CAN Controller
5V +B
I/F
CAN I/F
PKBI
CANL
CANH
ET
E46
Combination Meter Assembly
Front Passenger Seat Belt Warning Light
E92
Telltale Light Assembly
E91
Telltale Light Assembly
EM1
Buckle Switch
Occupant Detection
M10
Front Seat Inner Belt Assembly RH
L(*8)
G(*7)
W(*7)
BR(*8)
M2
E2




* 1 : w/ Clearance Sonar
* 2 : w/o Clearance Sonar
* 3 : w/ Power Seat
* 4 : w/o Power Seat
* 5 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
* 6 : Except *5
* 7 : Optitron Meter
* 8 : Except Optitron Meter

# 安全带警告

○ : **Parts Location**

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| E46 | | 55 | E61 | D | 56 | L46 | A | 62 |
| E50 | A | 55 | E91 | | 56 | M10 | | 62 |
| E52 | C | 55 | E92 | | 56 | c5 | | 62 |
| E58 | | 55 | L22 | | 62 | c6 | B | 62 |

**Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

**Junction Block and Wire Harness Connector**

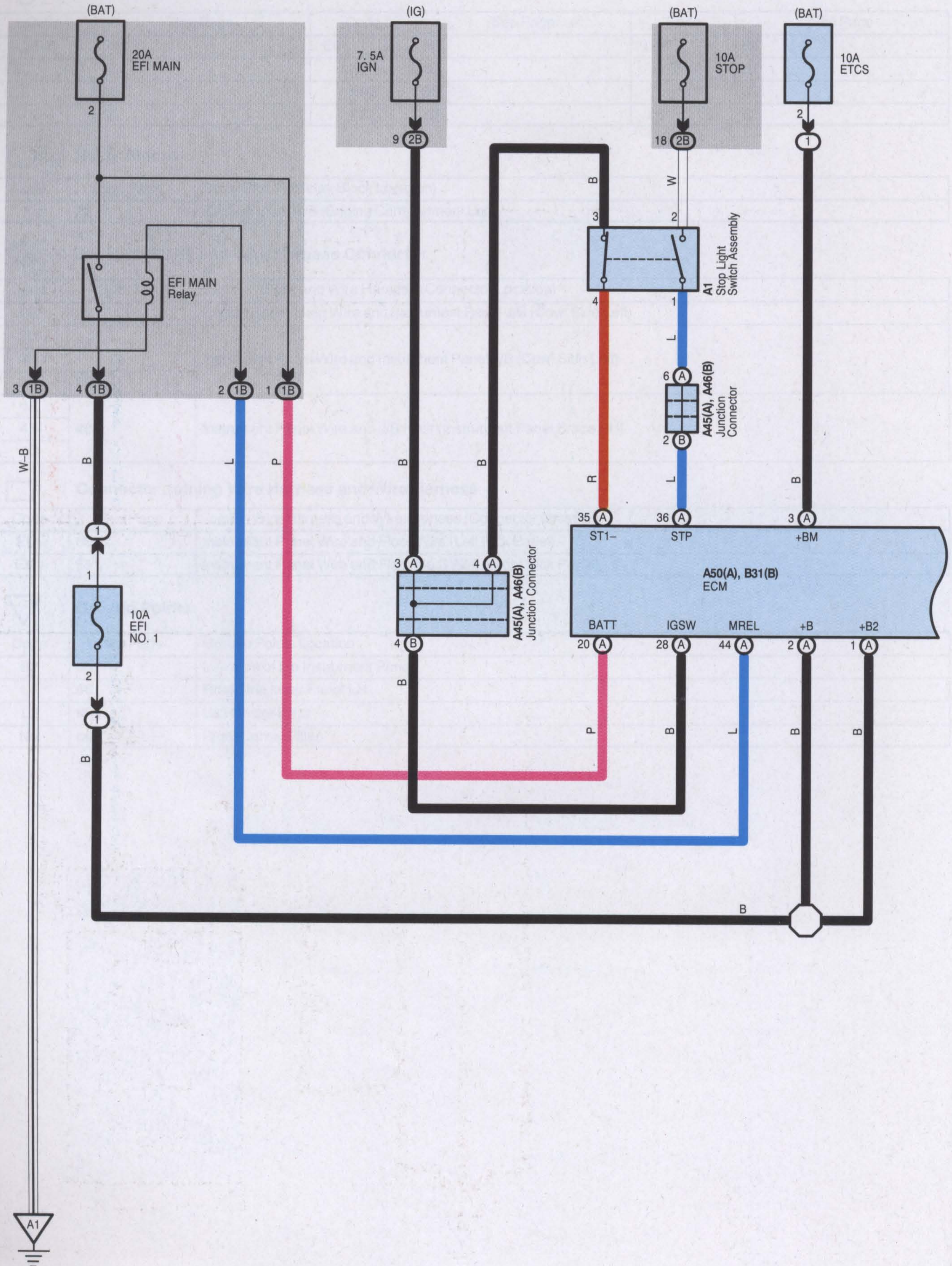
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2D | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4C | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

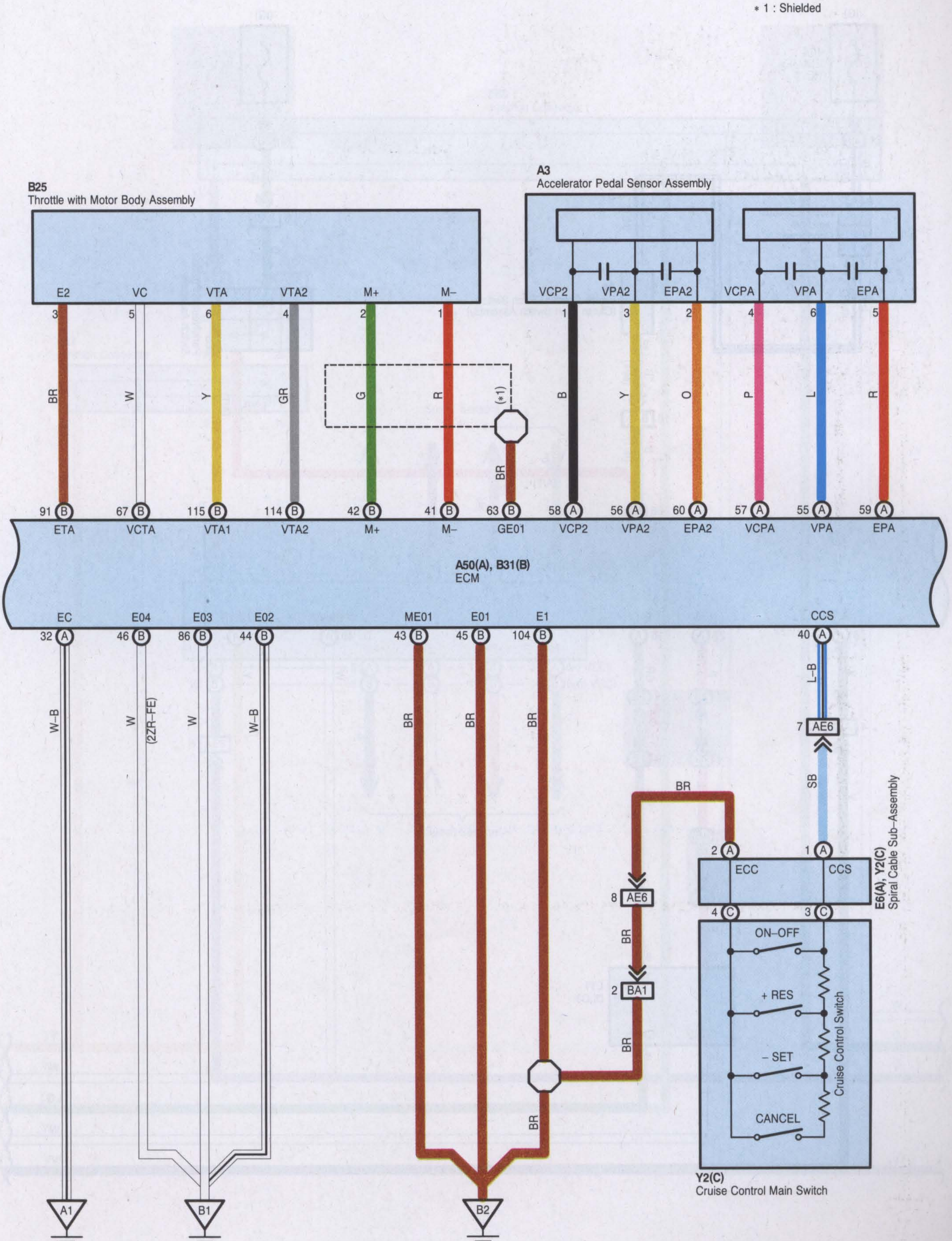
□ : **Connector Joining Wire Harness and Wire Harness**

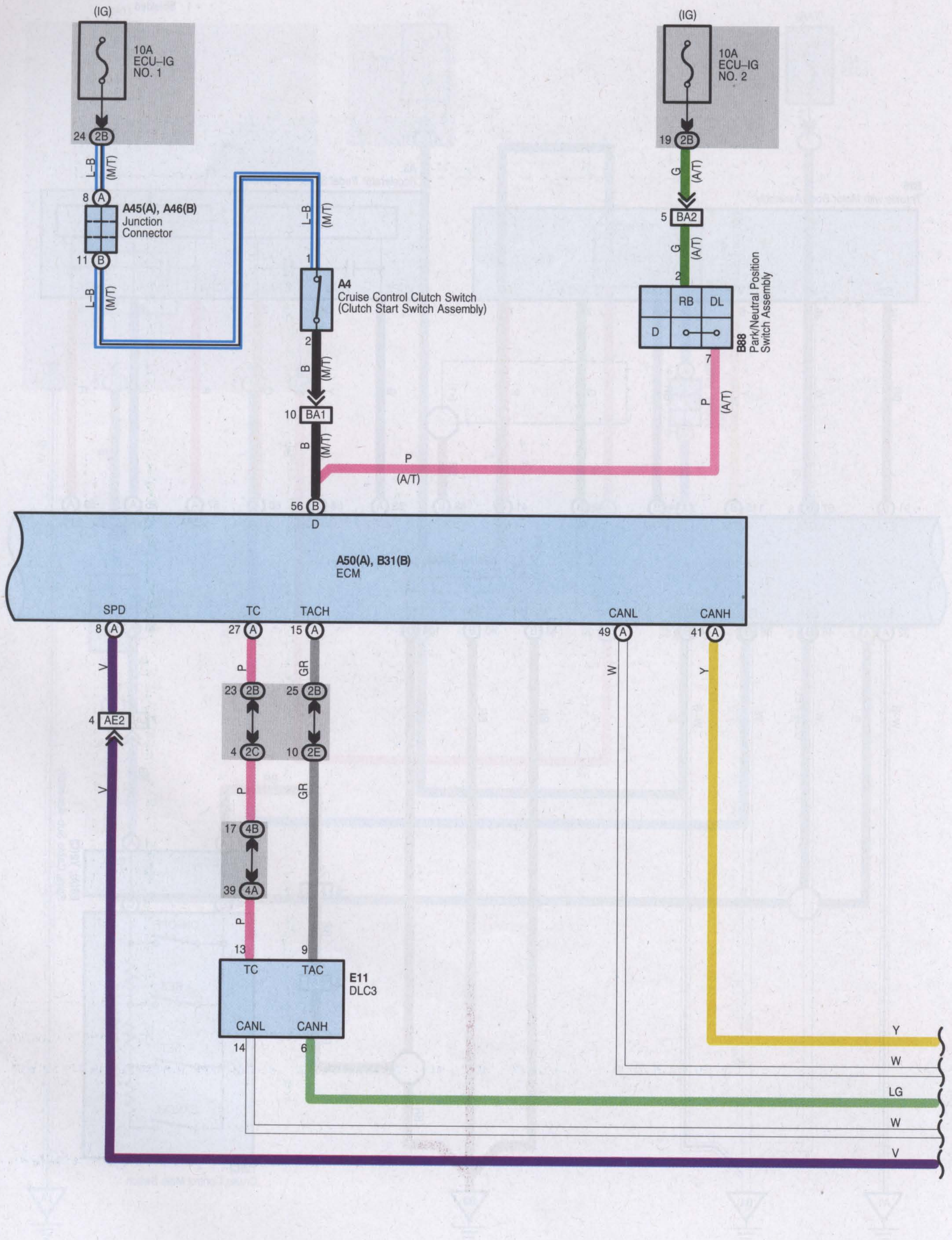
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| EL1 | 65 | Instrument Panel Wire and Floor Wire (Left Kick Panel) |
| EM1 | 65 | Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel) |

▽ : **Ground Points**

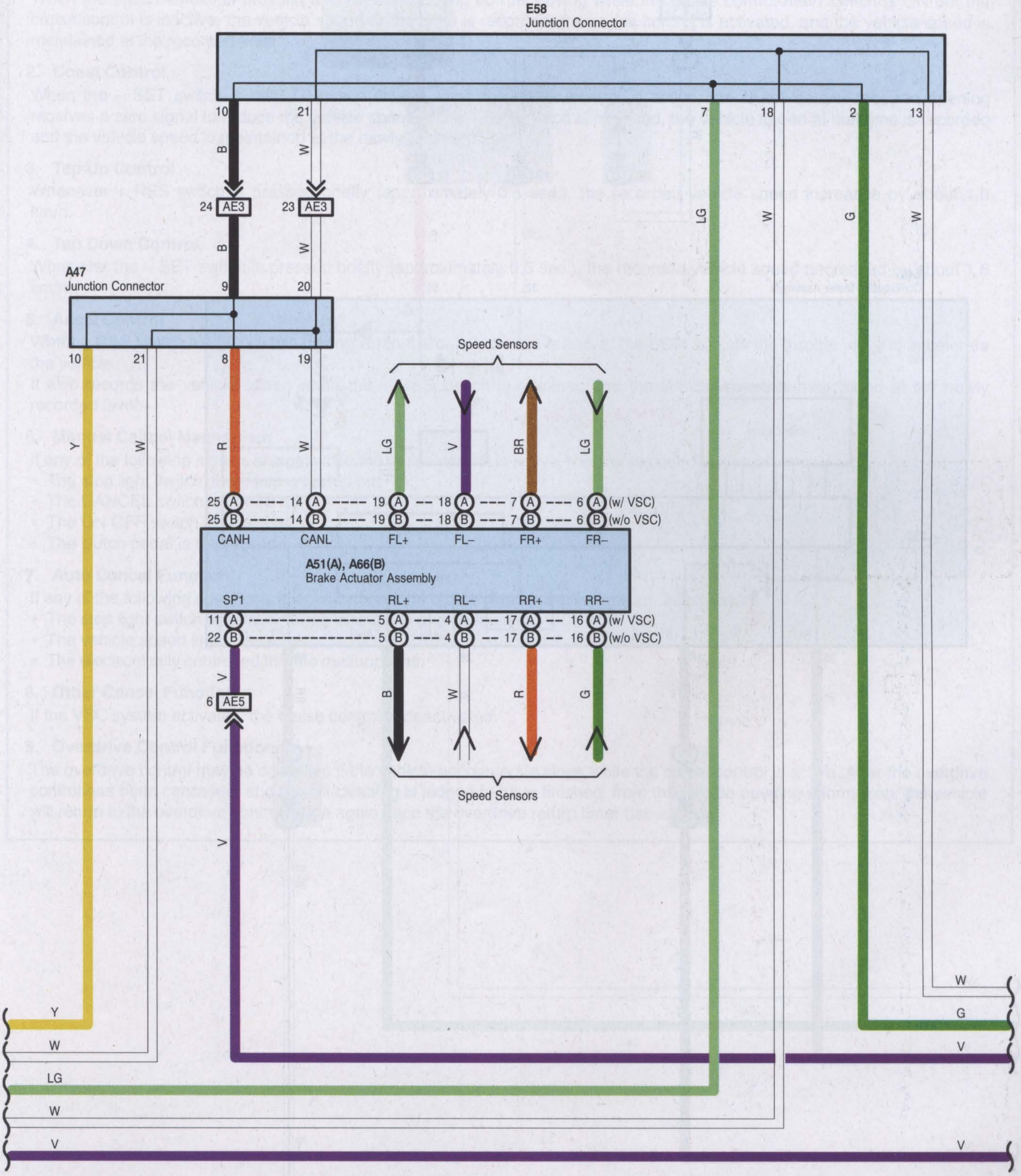
| Code | See Page | Ground Points Location |
|---|---|---|
| E2 | 65 | Left Side of the Instrument Panel |
| L1 | 66 | Roof Side Inner Panel LH |
| L2 | 66 | Left Center Pillar |
| M2 | 66 | Right Center Pillar |

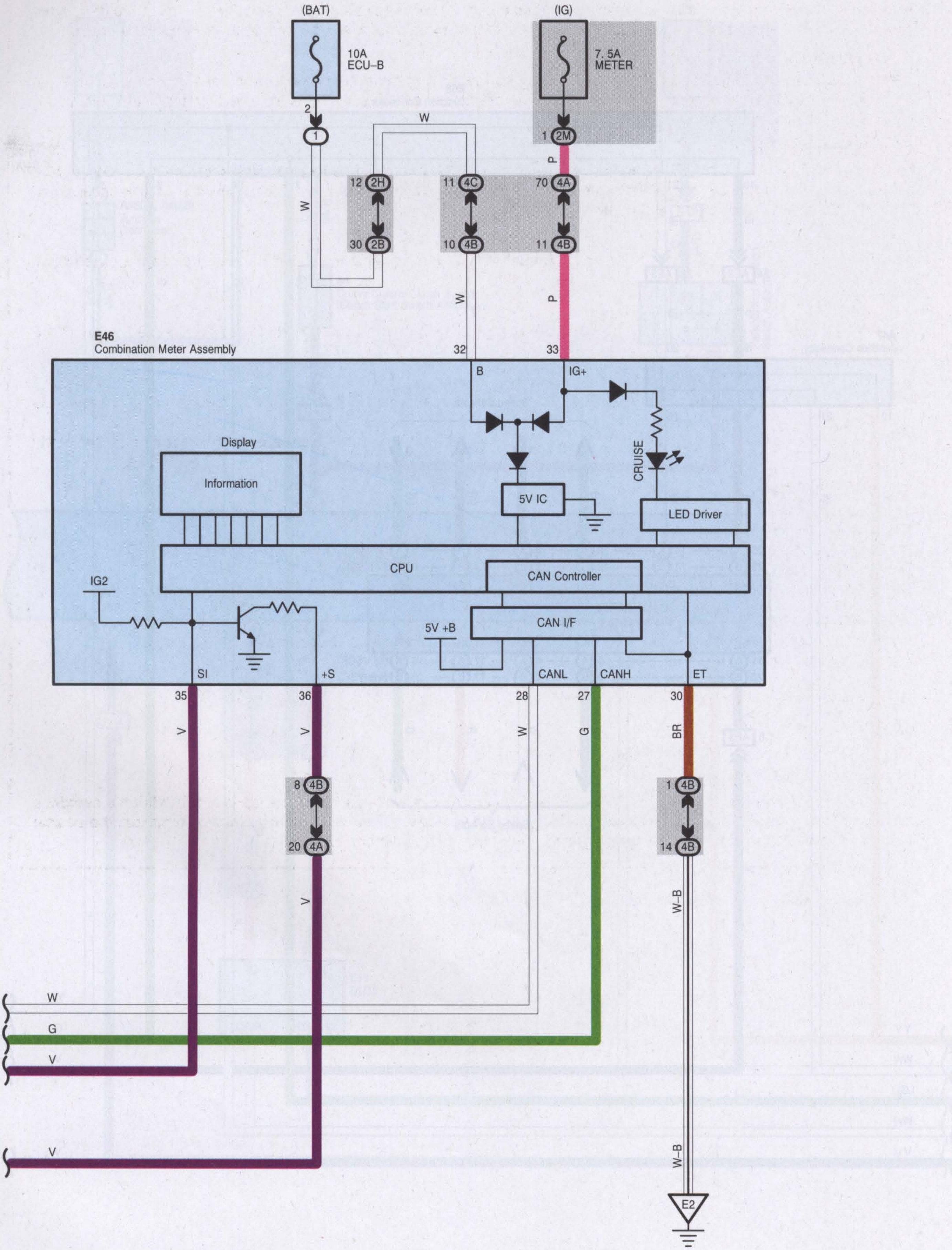

(BAT)
20A
EFI MAIN
EFI MAIN
Relay
(IG)
7. 5A
IGN
(BAT)
10A
STOP
(BAT)
10A
ETCS
A1
Stop Light
Switch Assembly
A45(A), A46(B)
Junction
Connector
A45(A), A46(B)
Junction Connector
10A
EFI
NO. 1
ST1−
STP
+BM
A50(A), B31(B)
ECM
BATT
IGSW
MREL
+B
+B2
W−B
A1


* 1 : Shielded
B25
Throttle with Motor Body Assembly
E2
VC
VTA
VTA2
M+
M–
A3
Accelerator Pedal Sensor Assembly
VCP2
VPA2
EPA2
VCPA
VPA
EPA
BR
W
Y
GR
G
R
(*1)
B
O
P
L
91 B ETA
67 B VCTA
115 B VTA1
114 B VTA2
42 B M+
41 B M–
63 B GE01
58 A VCP2
56 A VPA2
60 A EPA2
57 A VCPA
55 A VPA
59 A EPA
A50(A), B31(B)
ECM
EC
E04
E03
E02
ME01
E01
E1
CCS
32 A
46 B
86 B
44 B
43 B
45 B
104 B
40 A
W–B
(2ZR–FE)
L–B
7 AE6
SB
8 AE6
2 BA1
ECC
E6(A), Y2(C)
Spiral Cable Sub–Assembly
ON–OFF
+ RES
– SET
CANCEL
Cruise Control Switch
Y2(C)
Cruise Control Main Switch
A1
B1
B2



(IG)
10A
ECU–IG
NO. 1
24 2B
L–B (M/T)
8 A
A45(A), A46(B)
Junction Connector
11 B
L–B (M/T)
L–B (M/T)
1
A4
Cruise Control Clutch Switch
(Clutch Start Switch Assembly)
2
B (M/T)
10 BA1
B (M/T)
(IG)
10A
ECU–IG
NO. 2
19 2B
G (A/T)
5 BA2
G (A/T)
2
RB
DL
D
B88
Park/Neutral Position Switch Assembly
7
P (A/T)
P
(A/T)
56 B
D
A50(A), B31(B)
ECM
SPD
TC
TACH
CANL
CANH
8 A
27 A
15 A
49 A
41 A
V
P
GR
W
Y
4 AE2
23 2B
25 2B
4 2C
10 2E
V
P
GR
17 4B
39 4A
P
13
9
TC
TAC
E11
DLC3
CANL
CANH
14
6
Y
W
LG
W
V


E58
Junction Connector
10
21
7
18
2
13
B
W
LG
W
G
W
24 AE3
23 AE3
A47
Junction Connector
9
20
10
21
8
19
Y
W
R
W
Speed Sensors
LG
V
BR
LG
25 A 14 A 19 A 18 A 7 A 6 A (w/ VSC)
25 B 14 B 19 B 18 B 7 B 6 B (w/o VSC)
CANH
CANL
FL+
FL–
FR+
FR–
A51(A), A66(B)
Brake Actuator Assembly
SP1
RL+
RL–
RR+
RR–
11 A 5 A 4 A 17 A 16 A (w/ VSC)
22 B 5 B 4 B 17 B 16 B (w/o VSC)
V
B
W
R
G
6 AE5
Speed Sensors
V
Y
W
LG
W
V
W
G
V
V


(BAT)
10A
ECU–B
(IG)
7. 5A
METER
W
P
E46
Combination Meter Assembly
B
IG+
Display
Information
5V IC
CRUISE
LED Driver
CPU
CAN Controller
IG2
CAN I/F
5V +B
SI
+S
CANL
CANH
ET
V
G
BR
W–B
E2

## System Outline

The cruise control system is a constant vehicle speed controller in which actuation of the switches on the instrument panel makes it possible to automatically adjust the opening of the engine throttle valve without depressing the accelerator pedal.

**1. Set Control**

When the – SET switch is pressed and released during normal driving while the cruise control main switch is ON but the cruise control is inactive, the vehicle speed at that time is recorded, the cruise control is activated, and the vehicle speed is maintained at the recorded level.

**2. Coast Control**

When the – SET switch is held ON while driving when the cruise control is active, the cruise control required opening receives a zero signal to reduce the vehicle speed. If the – SET switch is released, the vehicle speed at that time is recorded and the vehicle speed is maintained at the newly recorded level.

**3. Tap Up Control**

Whenever + RES switch is pressed briefly (approximately 0.5 sec.), the recorded vehicle speed increases by about 1.6 km/h.

**4. Tap Down Control**

Whenever the – SET switch is pressed briefly (approximately 0.5 sec.), the recorded vehicle speed decreased by about 1.6 km/h.

**5. Accel Control**

When + RES switch held ON while driving when the cruise control is active, the ECM adjusts the throttle valve to accelerate the vehicle.
It also records the vehicle speed when the + RES switch is released and the vehicle speed is maintained at the newly recorded level.

**6. Manual Cancel Mechanism**

If any of the following signals is input while the cruise control is active, the cruise control is deactivated.
* The stop light switch assembly is turned on.
* The CANCEL switch is turned on.
* The ON OFF switch is turned off.
* The clutch pedal is depressed.

**7. Auto Cancel Function**

If any of the following conditions is encountered, the cruise control is automatically deactivated.
* The stop light switch assembly wiring is faulty or short circuited.
* The vehicle speed signal is faulty.
* The electronically controlled throttle malfunctions.

**8. Other Cancel Function**

If the VSC system activates, the cruise control is deactivated.

**9. Overdrive Control Function**

The overdrive control may be cancelled if the vehicle encounters a slope while the cruise control is active. After the overdrive control has been cancelled, and the hill climbing is judged to have finished, from the throttle opening information, the vehicle will return to the overdrive control mode again once the overdrive return timer has expired.

## ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A1 | | 57 | A50 | A | 52 | E6 | A | 54 |
| A3 | | 57 | A51 | A | 52 | E11 | | 54 |
| A4 | | 57 | A66 | B | 52 | E46 | | 55 |
| A45 | A | 57 | B25 | | 53 | E58 | | 55 |
| A46 | B | 57 | B31 | B | 53 | Y2 | C | 57 |
| A47 | | 57 | B88 | | 53 | | | |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

## : Junction Block and Wire Harness Connector

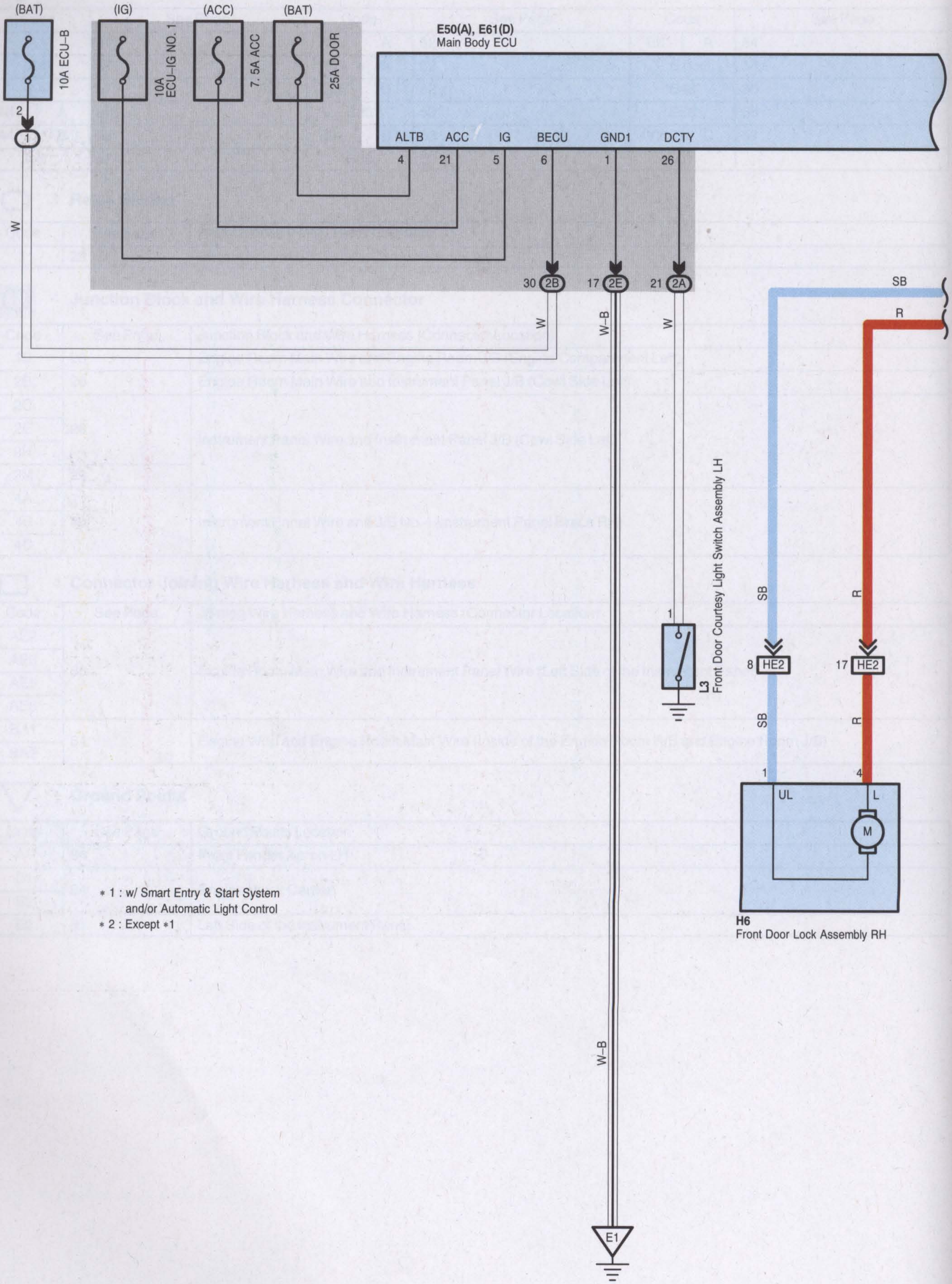
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1B | 26 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2C | | |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | | |
| 2M | 29 | |
| 4A | | |
| 4B | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4C | | |

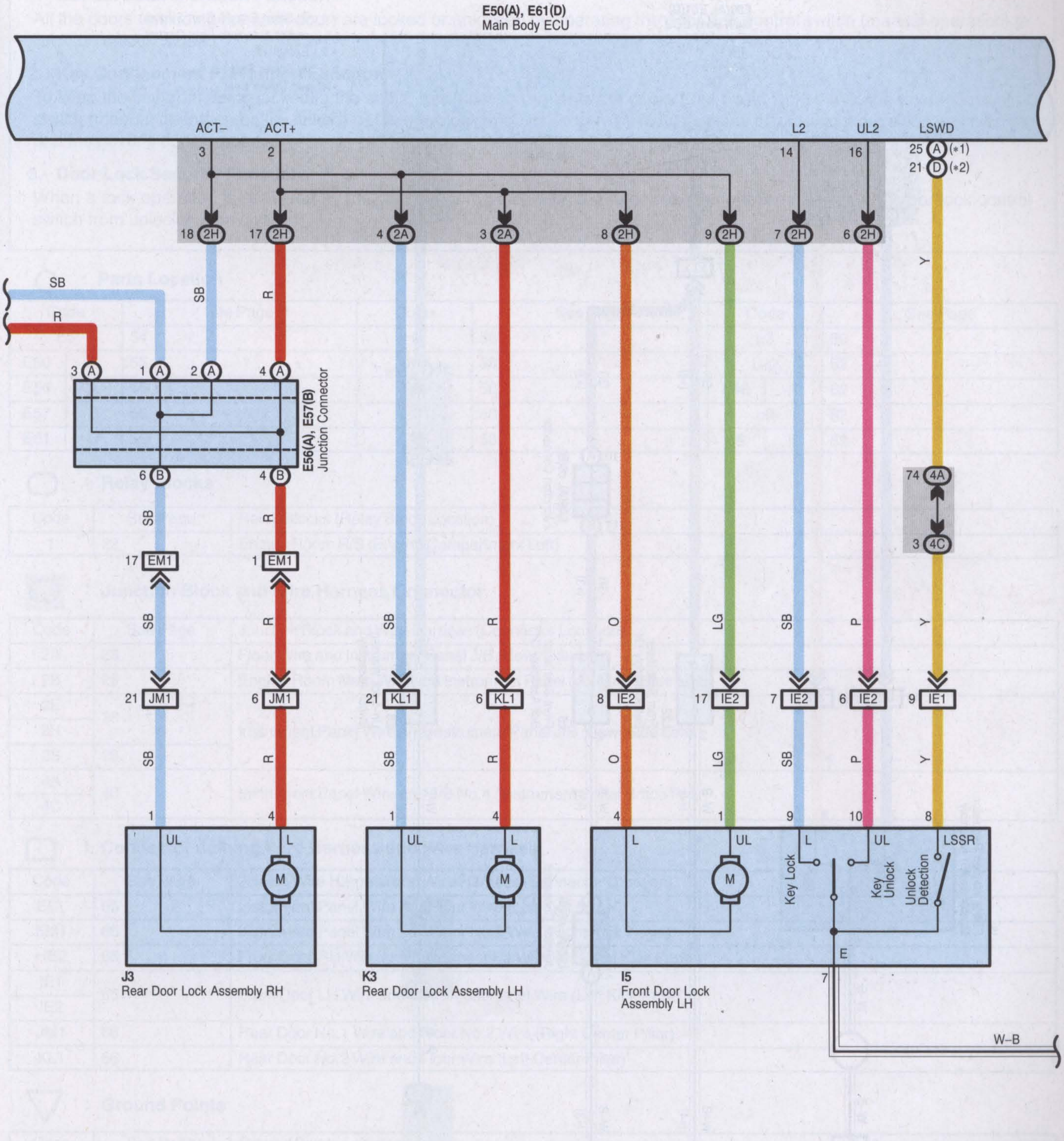
## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | | |
| AE3 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE5 | | |
| AE6 | | |
| BA1 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| BA2 | | |

## ▽ : Ground Points

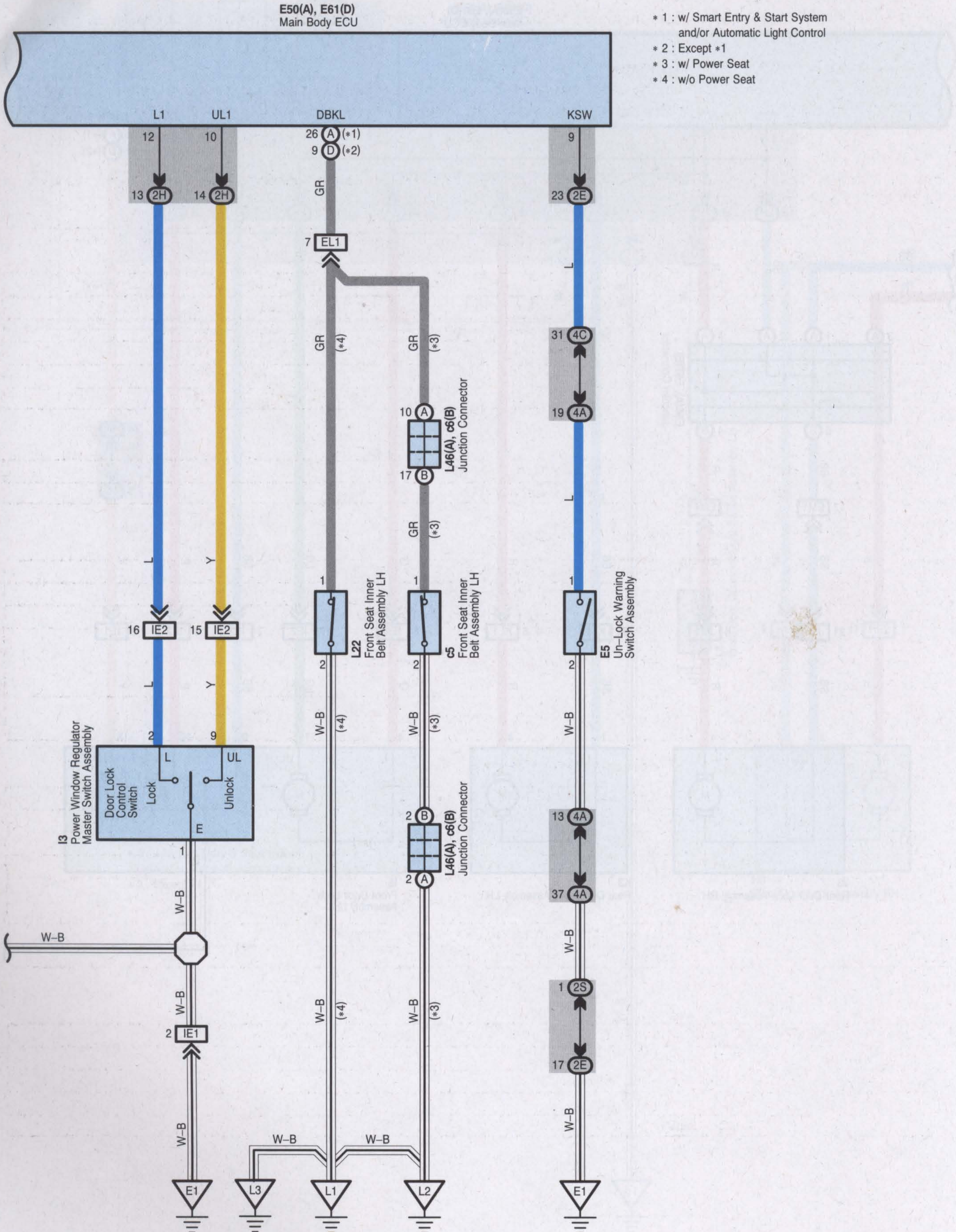
| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| B1 | 64 | Engine Block Center |
| B2 | | |
| E2 | 65 | Left Side of the Instrument Panel |


(BAT)
10A ECU–B
(IG)
10A ECU–IG NO. 1
(ACC)
7. 5A ACC
(BAT)
25A DOOR
E50(A), E61(D)
Main Body ECU
ALTB
ACC
IG
BECU
GND1
DCTY
2B
2E
2A
W
W–B
SB
R
L3
Front Door Courtesy Light Switch Assembly LH
HE2
UL
L
M
H6
Front Door Lock Assembly RH
E1
∗1 : w/ Smart Entry & Start System and/or Automatic Light Control
∗2 : Except ∗1



E50(A), E61(D)
Main Body ECU
ACT−
ACT+
L2
UL2
LSWD
(*1)
(*2)
E56(A), E57(B)
Junction Connector
EM1
JM1
KL1
IE2
IE1
UL
L
M
LSSR
Key Lock
Key Unlock
Unlock Detection
E
W–B
J3
Rear Door Lock Assembly RH
K3
Rear Door Lock Assembly LH
I5
Front Door Lock Assembly LH

# 门锁控制



E50(A), E61(D)
Main Body ECU
* 1 : w/ Smart Entry & Start System and/or Automatic Light Control
* 2 : Except *1
* 3 : w/ Power Seat
* 4 : w/o Power Seat
L1
UL1
DBKL
KSW
I3
Power Window Regulator Master Switch Assembly
Door Lock Control Switch
Lock
Unlock
L22
Front Seat Inner Belt Assembly LH
c5
Front Seat Inner Belt Assembly LH
L46(A), c6(B)
Junction Connector
E5
Un-Lock Warning Switch Assembly
W-B
E1
L3
L1
L2
E1

## System Outline

**1. Manual Lock & Unlock Function**

All the doors (Including the back door) are locked or unlocked by operating the door lock control switch (manual operation) to 'lock' or 'unlock' side.

**2. Key Confinement Prevention Function**

To keep the key from being locked in the cabin, this function prevents the doors from being locked with the door lock control switch (manual operation or key linked) or the door lock knob while the key plate remains inserted in the ignition key cylinder and the driver's door is open.

**3. Door Lock Security Function**

When a lock operation is activated by the wireless remote control, the door security function prohibits the door lock control switch from unlocking the doors.

### ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| E5 | | 54 | H6 | | 58 | L3 | | 59 |
| E50 | A | 55 | I3 | | 58 | L22 | | 62 |
| E56 | A | 55 | I5 | | 58 | L46 | A | 62 |
| E57 | B | 55 | J3 | | 58 | c5 | | 62 |
| E61 | D | 56 | K3 | | 58 | c6 | B | 62 |

### : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

### : Junction Block and Wire Harness Connector

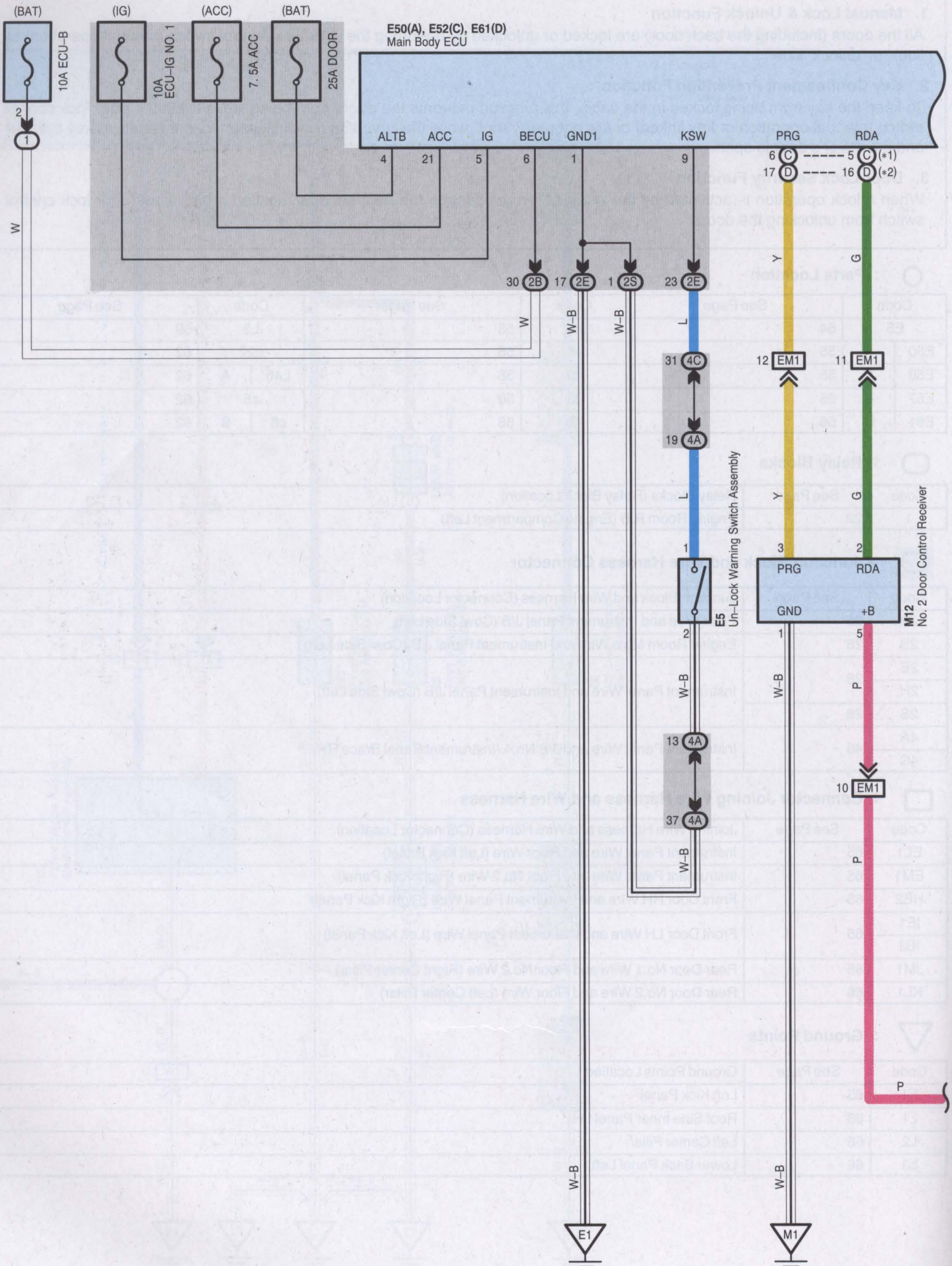
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | | |
| 2S | 29 | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4C | | |

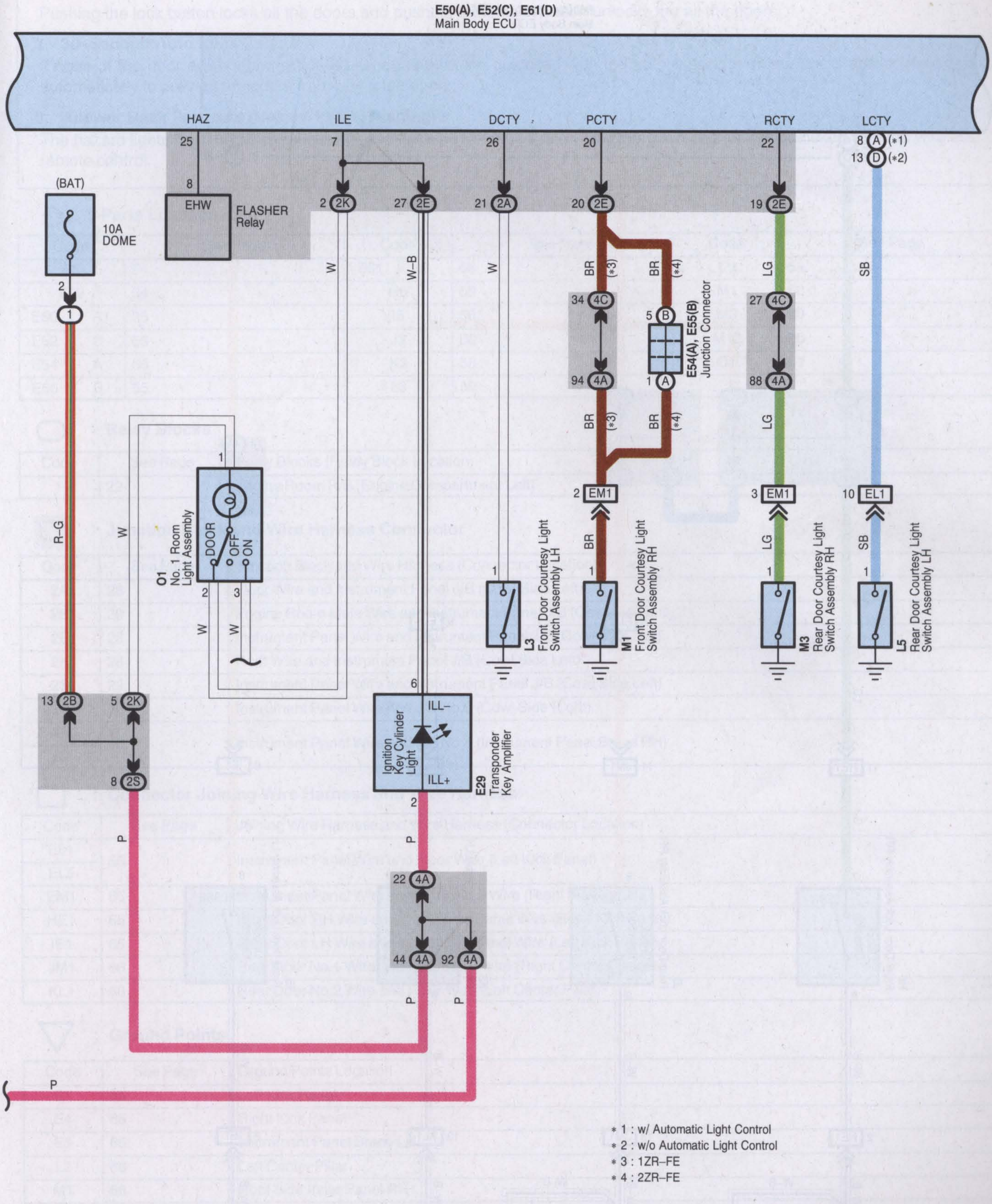
### □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| EL1 | 65 | Instrument Panel Wire and Floor Wire (Left Kick Panel) |
| EM1 | 65 | Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel) |
| HE2 | 65 | Front Door RH Wire and Instrument Panel Wire (Right Kick Panel) |
| IE1 | 65 | Front Door LH Wire and Instrument Panel Wire (Left Kick Panel) |
| IE2 | | |
| JM1 | 66 | Rear Door No.1 Wire and Floor No.2 Wire (Right Center Pillar) |
| KL1 | 66 | Rear Door No.2 Wire and Floor Wire (Left Center Pillar) |

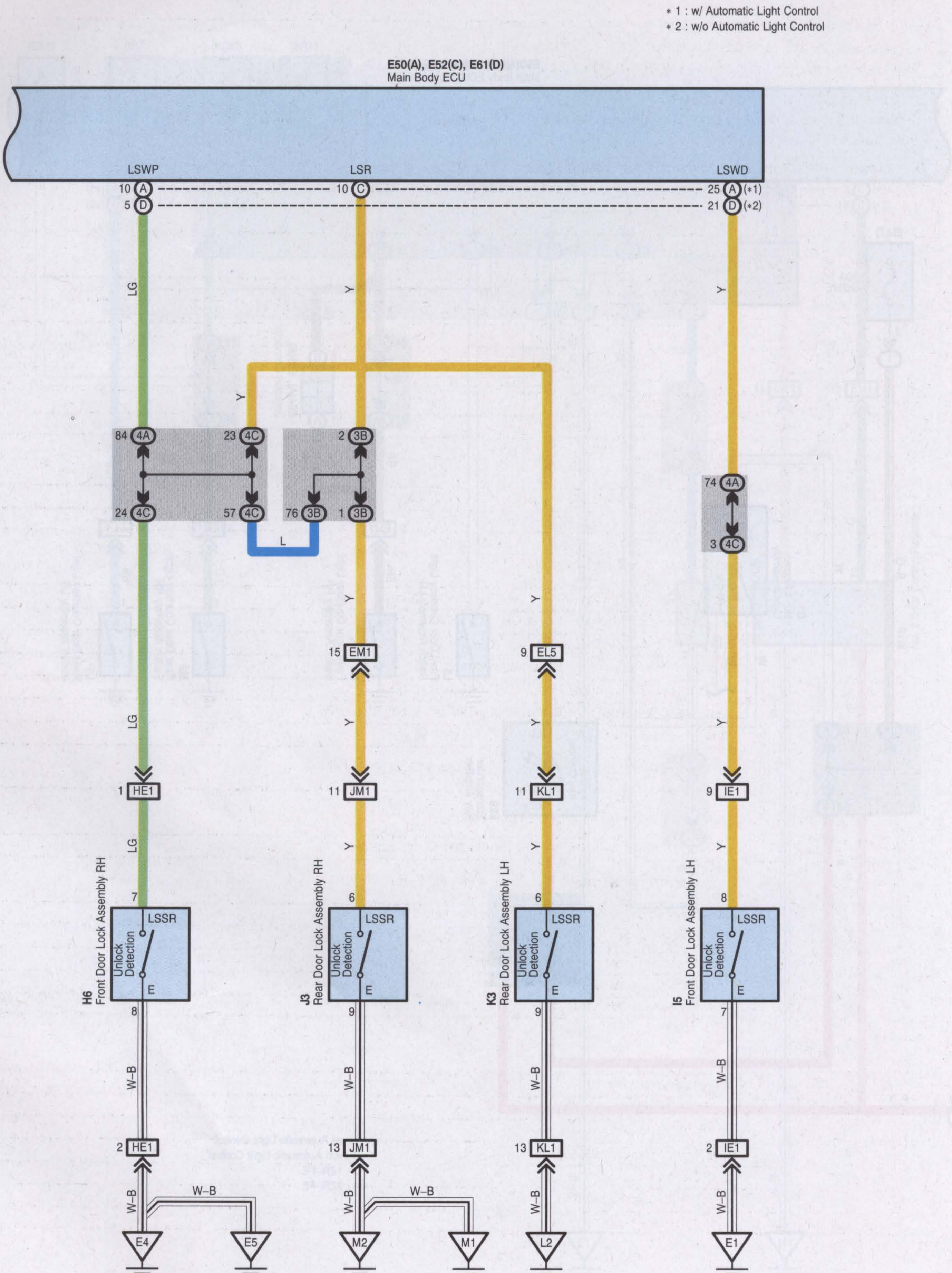
### ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| L1 | 66 | Roof Side Inner Panel LH |
| L2 | 66 | Left Center Pillar |
| L3 | 66 | Lower Back Panel Left |


(BAT)
10A ECU-B
(IG)
10A ECU-IG NO. 1
(ACC)
7. 5A ACC
(BAT)
25A DOOR
E50(A), E52(C), E61(D)
Main Body ECU
ALTB
ACC
IG
BECU
GND1
KSW
PRG
RDA
(*1)
(*2)
2B
2E
2S
4C
4A
EM1
Un-Lock Warning Switch Assembly
E5
No. 2 Door Control Receiver
M12
GND
+B
W
W-B
L
Y
G
P
E1
M1


E50(A), E52(C), E61(D)
Main Body ECU
HAZ
ILE
DCTY
PCTY
RCTY
LCTY
25
7
26
20
22
8 (A) (*1)
13 (D) (*2)
(BAT)
10A
DOME
8
EHW
FLASHER
Relay
2 (2K)
27 (2E)
21 (2A)
20 (2E)
19 (2E)
W
W–B
W
BR (*3)
BR (*4)
LG
SB
34 (4C)
94 (4A)
5 (B)
1 (A)
E54(A), E55(B)
Junction Connector
27 (4C)
88 (4A)
2
(1)
R–G
W
1
O1
No. 1 Room
Light Assembly
DOOR
OFF
ON
2
3
W
W
2 EM1
3 EM1
10 EL1
1
L3
Front Door Courtesy Light
Switch Assembly LH
M1
Front Door Courtesy Light
Switch Assembly RH
M3
Rear Door Courtesy Light
Switch Assembly RH
L5
Rear Door Courtesy Light
Switch Assembly LH
13 (2B)
5 (2K)
8 (2S)
6
ILL–
ILL+
Ignition
Key Cylinder
Light
E29
Transponder
Key Amplifier
2
P
22 (4A)
44 (4A)
92 (4A)
* 1 : w/ Automatic Light Control
* 2 : w/o Automatic Light Control
* 3 : 1ZR–FE
* 4 : 2ZR–FE

# 遥控门锁控制（不带智能上车和起动系统）



## System Outline

**1. Wireless Lock & Unlock Function**

Pushing the lock button locks all the doors and pushing the unlock button unlocks the all the doors.

**2. 30–Second Auto Lock Function**

If none of the door are opened within 30 seconds of being unlocked with the unlock button, all the doors are locked again automatically to prevent the doors from being left open.

**3. Answer Back Function (Hazard Light Flashing)**

The hazard lights flash once when locking, and flash twice when unlocking if the doors are locked/unlocked with the wireless remote control.

### ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| E5 | 54 | E61 D | 56 | L5 | 59 |
| E29 | 54 | H6 | 58 | M1 | 60 |
| E50 A | 55 | I5 | 58 | M3 | 60 |
| E52 C | 55 | J3 | 58 | M12 | 60 |
| E54 A | 55 | K3 | 58 | O1 | 61 |
| E55 B | 55 | L3 | 59 | | |

### ▢ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

### ▢ : Junction Block and Wire Harness Connector

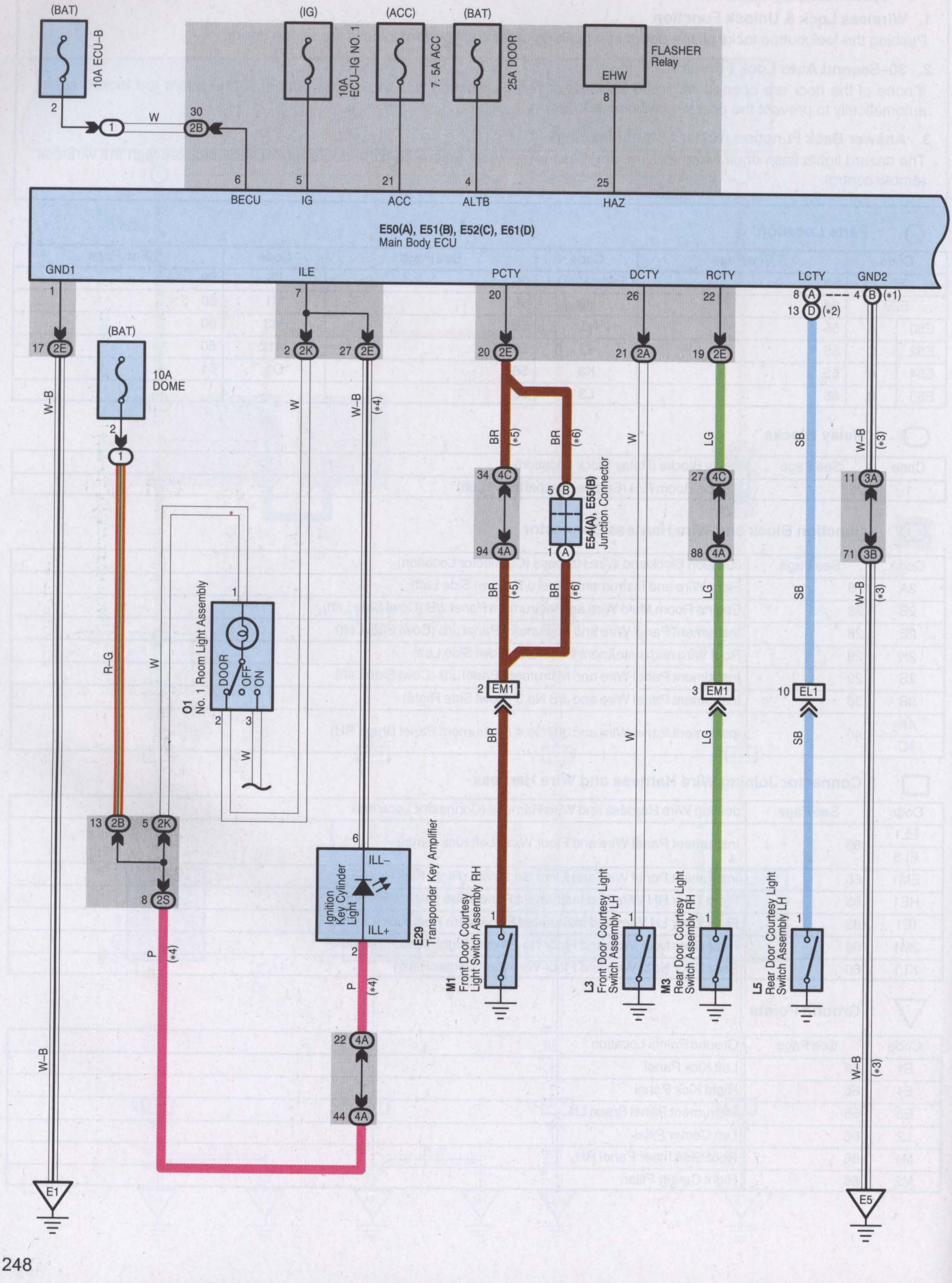
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2K | 28 | Roof Wire and Instrument Panel J/B (Cowl Side Left) |
| 2S | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 3B | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 4A<br>4C | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

### □ : Connector Joining Wire Harness and Wire Harness

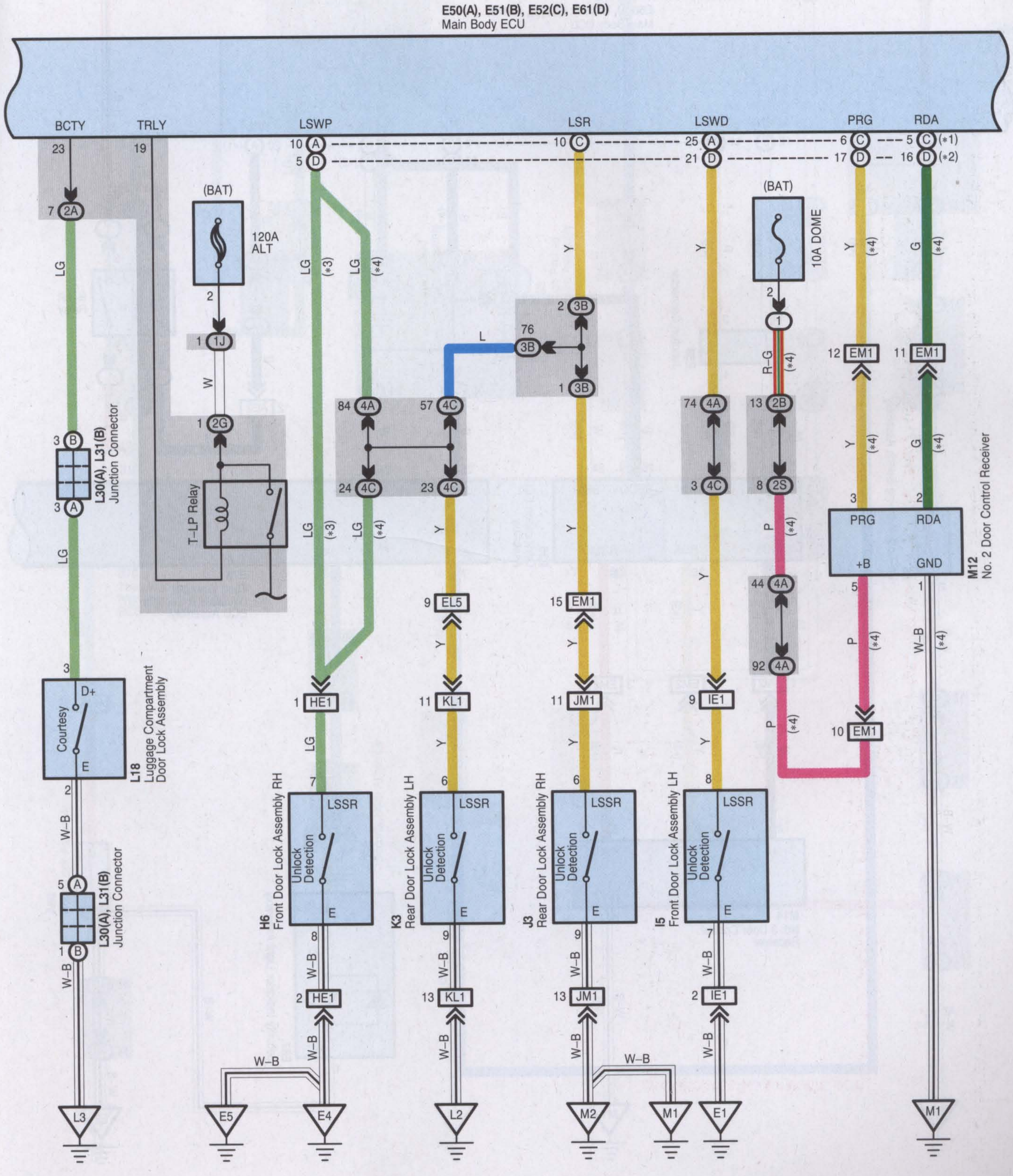
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| EL1<br>EL5 | 65 | Instrument Panel Wire and Floor Wire (Left Kick Panel) |
| EM1 | 65 | Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel) |
| HE1 | 65 | Front Door RH Wire and Instrument Panel Wire (Right Kick Panel) |
| IE1 | 65 | Front Door LH Wire and Instrument Panel Wire (Left Kick Panel) |
| JM1 | 66 | Rear Door No.1 Wire and Floor No.2 Wire (Right Center Pillar) |
| KL1 | 66 | Rear Door No.2 Wire and Floor Wire (Left Center Pillar) |

### ▽ : Ground Points

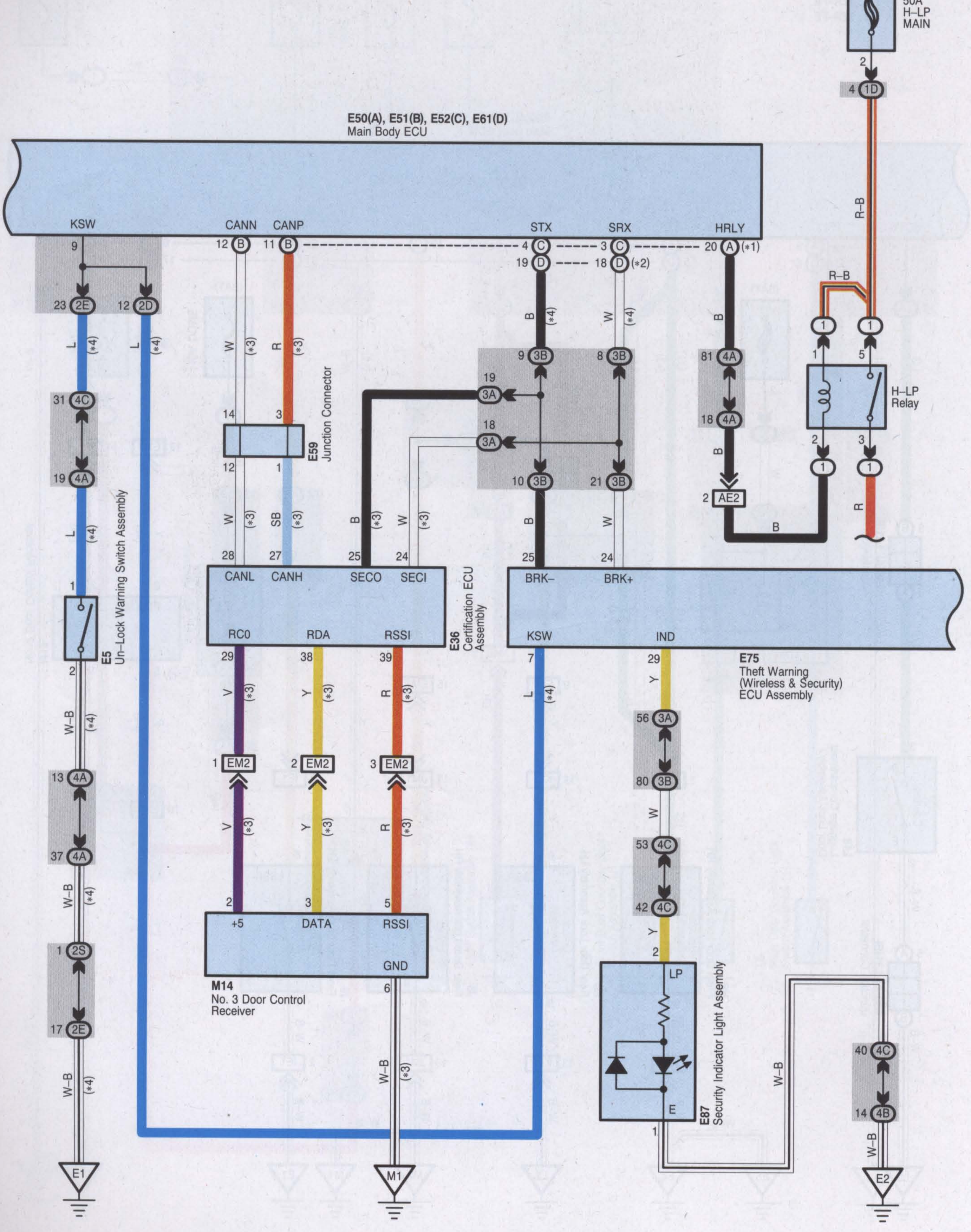
| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E4 | 65 | Right Kick Panel |
| E5 | 65 | Instrument Panel Brace LH |
| L2 | 66 | Left Center Pillar |
| M1 | 66 | Roof Side Inner Panel RH |
| M2 | 66 | Right Center Pillar |

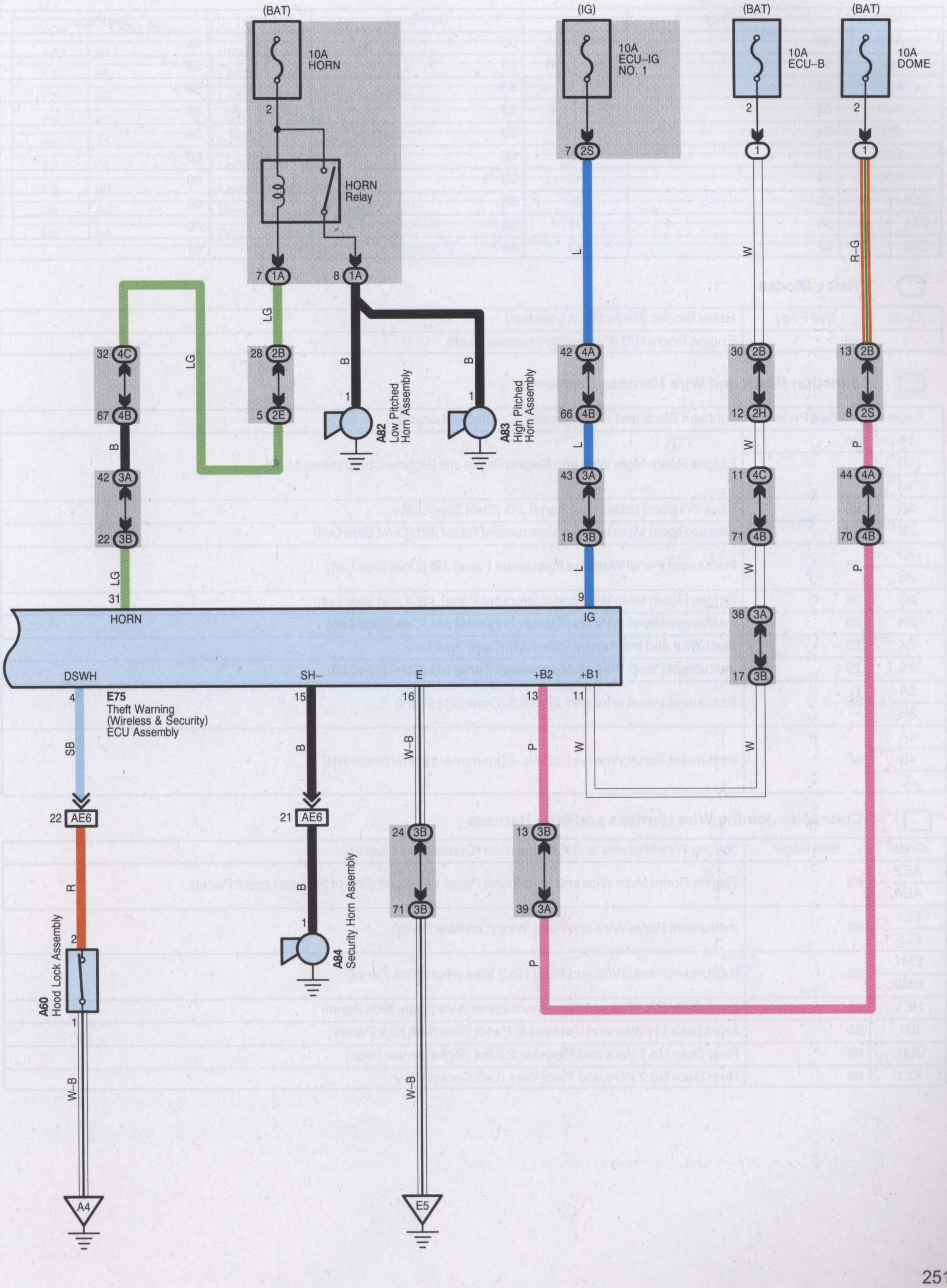

(BAT)
10A ECU-B
(IG)
10A ECU-IG NO. 1
(ACC)
7. 5A ACC
(BAT)
25A DOOR
FLASHER Relay
EHW
BECU
IG
ACC
ALTB
HAZ
E50(A), E51(B), E52(C), E61(D)
Main Body ECU
GND1
ILE
PCTY
DCTY
RCTY
LCTY
GND2
(BAT)
10A DOME
E54(A), E55(B)
Junction Connector
O1
No. 1 Room Light Assembly
DOOR
OFF
ON
Ignition Key Cylinder Light
ILL–
ILL+
E29
Transponder Key Amplifier
M1
Front Door Courtesy Light Switch Assembly RH
L3
Front Door Courtesy Light Switch Assembly LH
M3
Rear Door Courtesy Light Switch Assembly RH
L5
Rear Door Courtesy Light Switch Assembly LH
E1
E5

∗ 1 : w/ Automatic Light Control and/or w/ Smart Entry & Start System
∗ 2 : Except ∗1
∗ 3 : w/ Smart Entry & Start System
∗ 4 : w/o Smart Entry & Start System
∗ 5 : 1ZR–FE
∗ 6 : 2ZR–FE



* 1 : w/ Automatic Light Control and/or w/ Smart Entry & Start System
* 2 : Except *1
* 3 : w/ Smart Entry & Start System
* 4 : w/o Smart Entry & Start System




(BAT)
10A HORN
HORN Relay
(IG)
10A ECU–IG NO. 1
(BAT)
10A ECU–B
(BAT)
10A DOME
7 1A
8 1A
7 2S
LG
B
L
W
R–G
A82 Low Pitched Horn Assembly
A83 High Pitched Horn Assembly
32 4C
67 4B
28 2B
5 2E
42 4A
66 4B
30 2B
12 2H
13 2B
8 2S
42 3A
22 3B
43 3A
18 3B
11 4C
71 4B
44 4A
70 4B
38 3A
17 3B
P
HORN
IG
DSWH
SH–
E
+B2
+B1
E75 Theft Warning (Wireless & Security) ECU Assembly
SB
W–B
22 AE6
21 AE6
24 3B
71 3B
13 3B
39 3A
A84 Security Horn Assembly
A60 Hood Lock Assembly
A4
E5

## ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| A60 | 52 | E54 A | 55 | L3 | 59 |
| A82 | 52 | E55 B | 55 | L5 | 59 |
| A83 | 52 | E59 | 55 | L18 | 59 |
| A84 | 52 | E61 D | 56 | L30 A | 59 |
| E5 | 54 | E75 | 56 | L31 B | 59 |
| E29 | 54 | E87 | 56 | M1 | 60 |
| E36 | 55 | H6 | 58 | M3 | 60 |
| E50 A | 55 | I5 | 58 | M12 | 60 |
| E51 B | 55 | J3 | 58 | M14 | 60 |
| E52 C | 55 | K3 | 58 | O1 | 61 |

## ⬭ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

## ⬬ : Junction Block and Wire Harness Connector

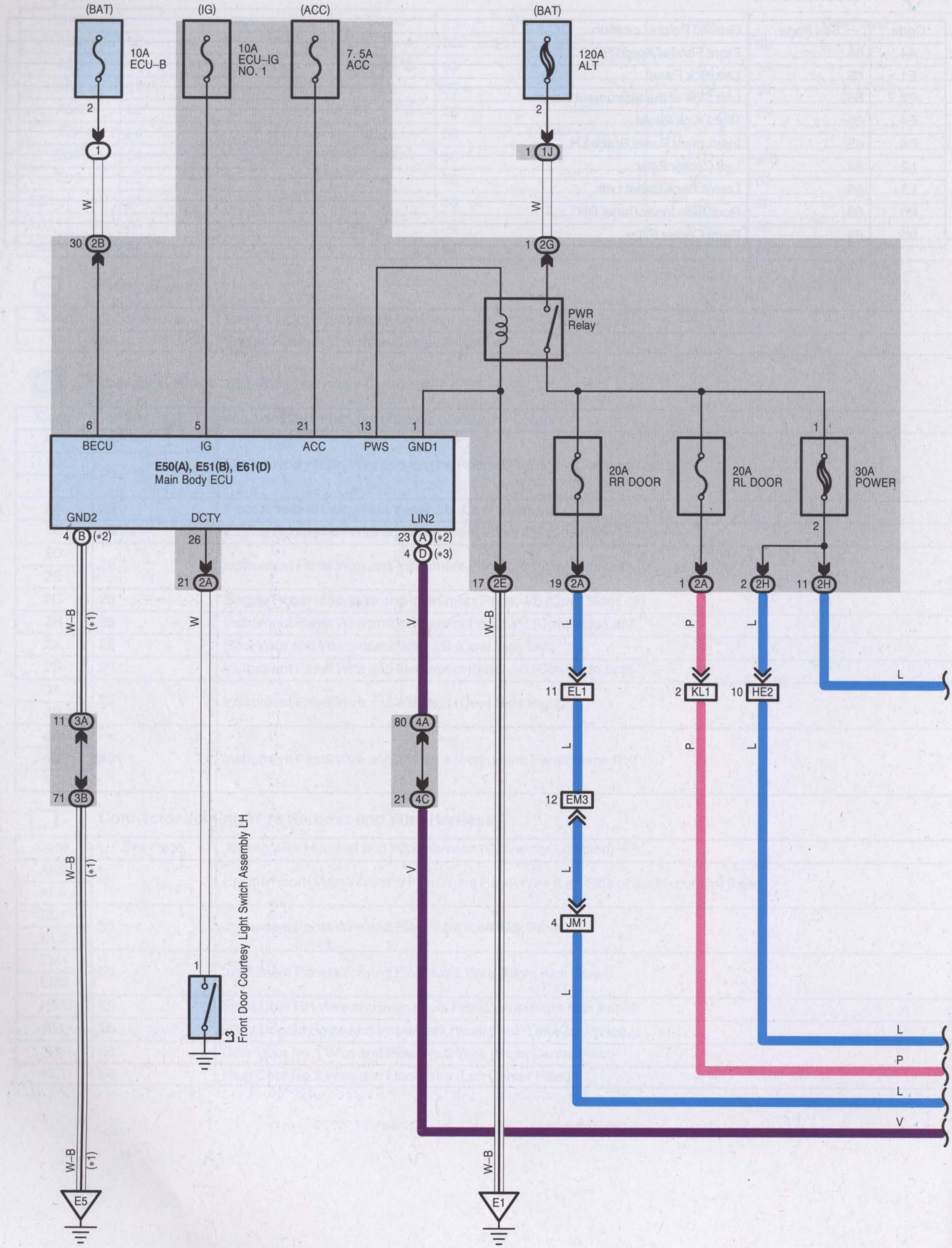
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1A | 26 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 1D | 23 | |
| 1J | | |
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2D | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | | |
| 2G | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2K | 28 | Roof Wire and Instrument Panel J/B (Cowl Side Left) |
| 2S | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

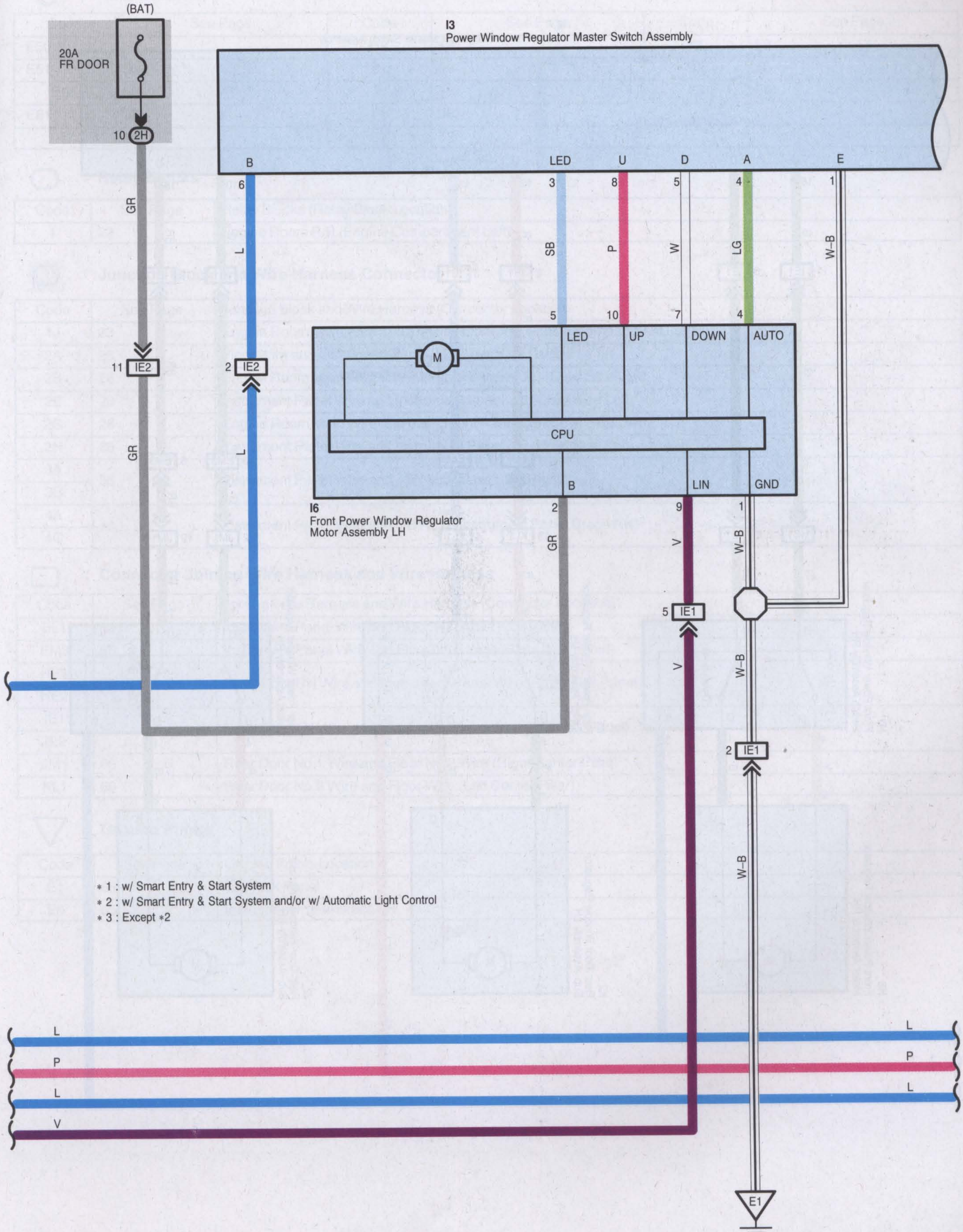
## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE6 | | |
| EL1 | 65 | Instrument Panel Wire and Floor Wire (Left Kick Panel) |
| EL5 | | |
| EM1 | 65 | Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel) |
| EM2 | | |
| HE1 | 65 | Front Door RH Wire and Instrument Panel Wire (Right Kick Panel) |
| IE1 | 65 | Front Door LH Wire and Instrument Panel Wire (Left Kick Panel) |
| JM1 | 66 | Rear Door No.1 Wire and Floor No.2 Wire (Right Center Pillar) |
| KL1 | 66 | Rear Door No.2 Wire and Floor Wire (Left Center Pillar) |

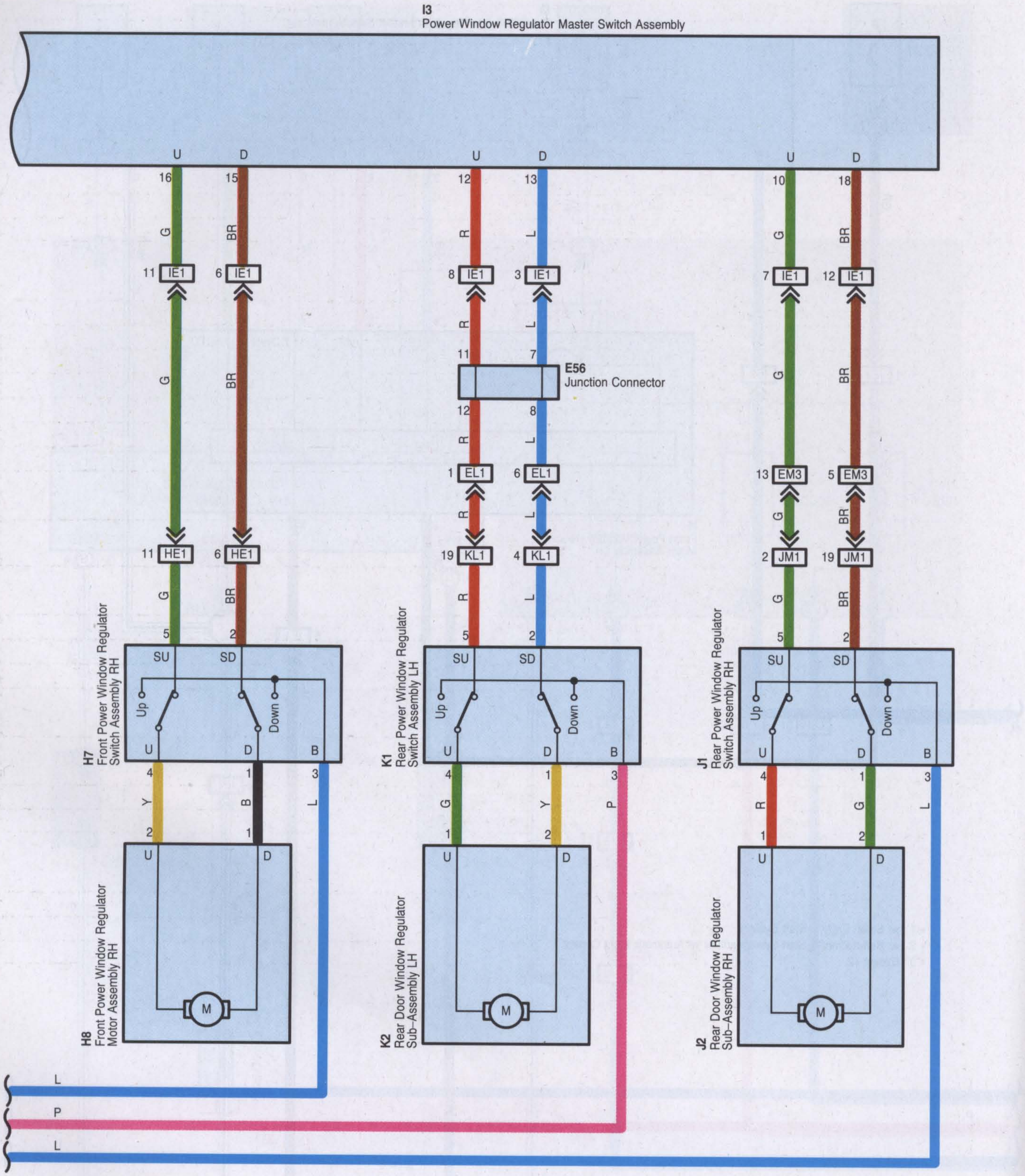
▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| A4 | 64 | Front Fender Apron RH |
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |
| E4 | 65 | Right Kick Panel |
| E5 | 65 | Instrument Panel Brace LH |
| L2 | 66 | Left Center Pillar |
| L3 | 66 | Lower Back Panel Left |
| M1 | 66 | Roof Side Inner Panel RH |
| M2 | 66 | Right Center Pillar |


(BAT)
10A ECU–B
(IG)
10A ECU–IG NO. 1
(ACC)
7. 5A ACC
(BAT)
120A ALT
PWR Relay
BECU
IG
ACC
PWS
GND1
E50(A), E51(B), E61(D)
Main Body ECU
GND2
DCTY
LIN2
20A RR DOOR
20A RL DOOR
30A POWER
1J
2B
2G
2A
2E
2H
3A
3B
4A
4C
EL1
KL1
HE2
EM3
JM1
(*1)
(*2)
(*3)
W
W–B
V
L
P
L3
Front Door Courtesy Light Switch Assembly LH
E5
E1




∗1 : w/ Smart Entry & Start System
∗2 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
∗3 : Except ∗2


I3
Power Window Regulator Master Switch Assembly
U
D
16
15
12
13
10
18
G
BR
R
L
11 IE1
6 IE1
8 IE1
3 IE1
7 IE1
12 IE1
11
7
E56
Junction Connector
12
8
1 EL1
6 EL1
13 EM3
5 EM3
11 HE1
6 HE1
19 KL1
4 KL1
2 JM1
19 JM1
SU
SD
Up
Down
B
Y
P
M
H7
Front Power Window Regulator Switch Assembly RH
H8
Front Power Window Regulator Motor Assembly RH
K1
Rear Power Window Regulator Switch Assembly LH
K2
Rear Door Window Regulator Sub-Assembly LH
J1
Rear Power Window Regulator Switch Assembly RH
J2
Rear Door Window Regulator Sub-Assembly RH

## ◯ : Parts Location

| Code | | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|---|
| E50 | A | 55 | H8 | 58 | K1 | 58 |
| E51 | B | 55 | I3 | 58 | K2 | 58 |
| E56 | | 55 | I6 | 58 | L3 | 59 |
| E61 | D | 56 | J1 | 58 | | |
| H7 | | 58 | J2 | 58 | | |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

## : Junction Block and Wire Harness Connector

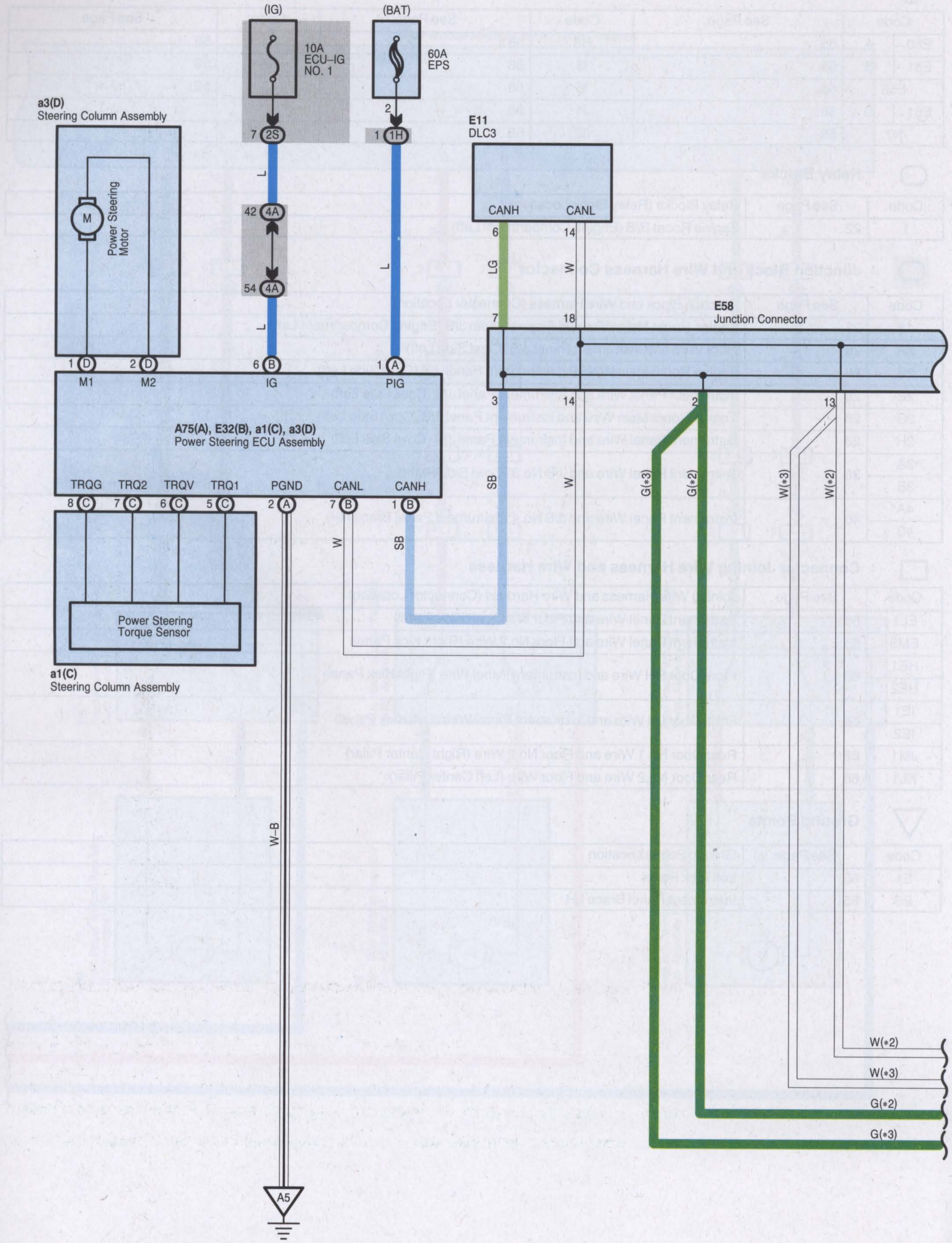
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1J | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2G | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 3A<br>3B | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 4A<br>4C | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

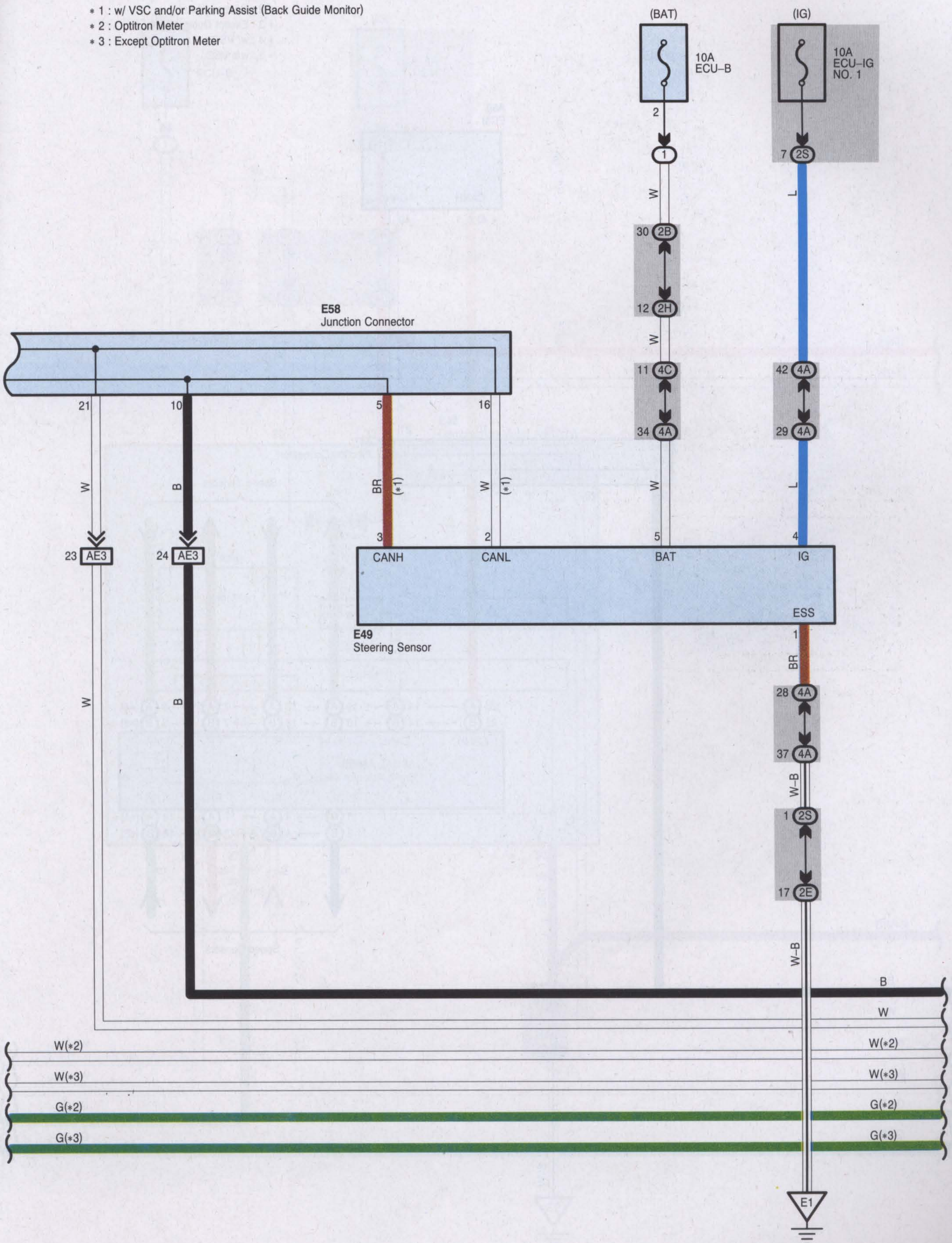
## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| EL1 | 65 | Instrument Panel Wire and Floor Wire (Left Kick Panel) |
| EM3 | 65 | Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel) |
| HE1<br>HE2 | 65 | Front Door RH Wire and Instrument Panel Wire (Right Kick Panel) |
| IE1<br>IE2 | 65 | Front Door LH Wire and Instrument Panel Wire (Left Kick Panel) |
| JM1 | 66 | Rear Door No.1 Wire and Floor No.2 Wire (Right Center Pillar) |
| KL1 | 66 | Rear Door No.2 Wire and Floor Wire (Left Center Pillar) |

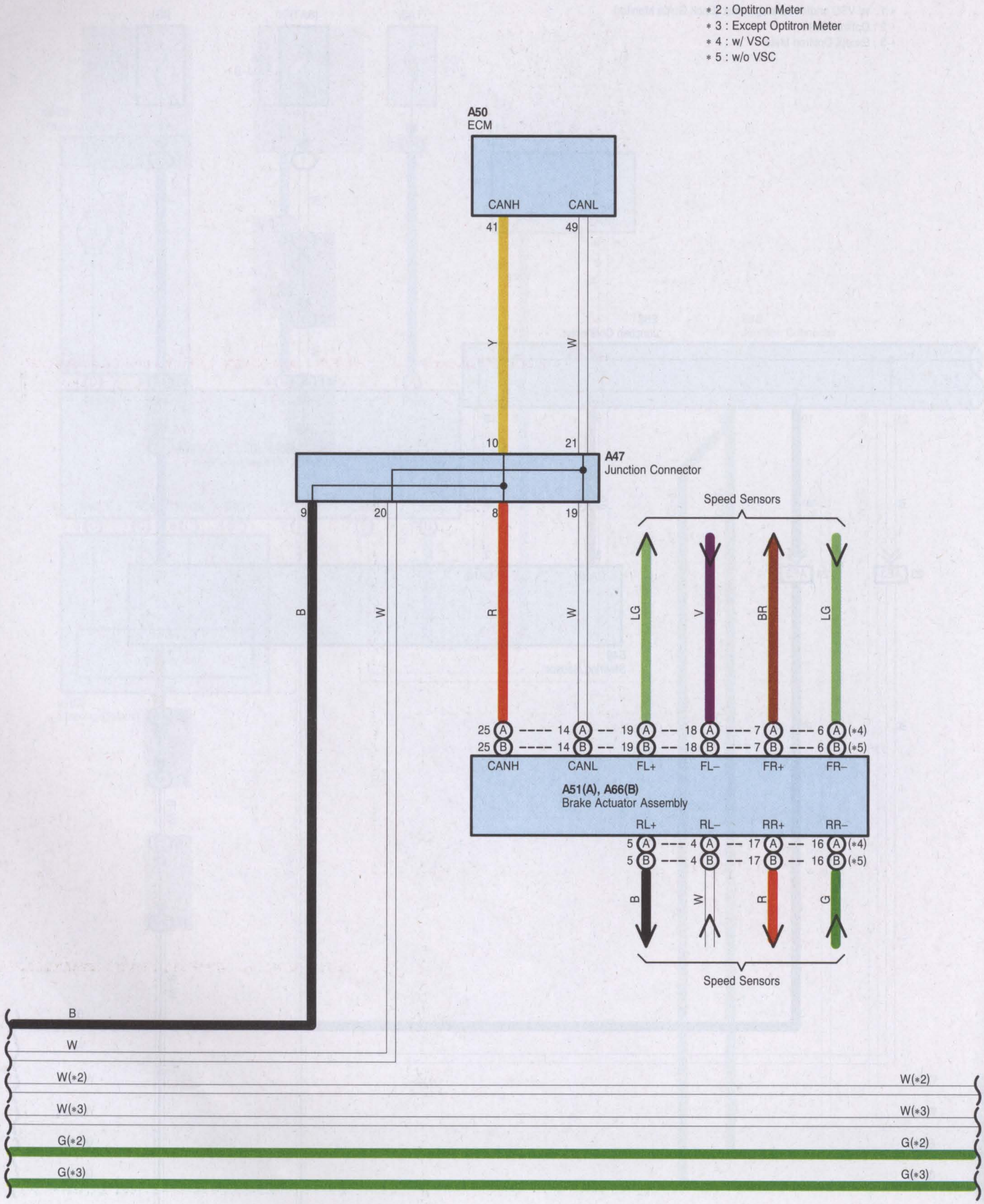
## ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E5 | 65 | Instrument Panel Brace LH |

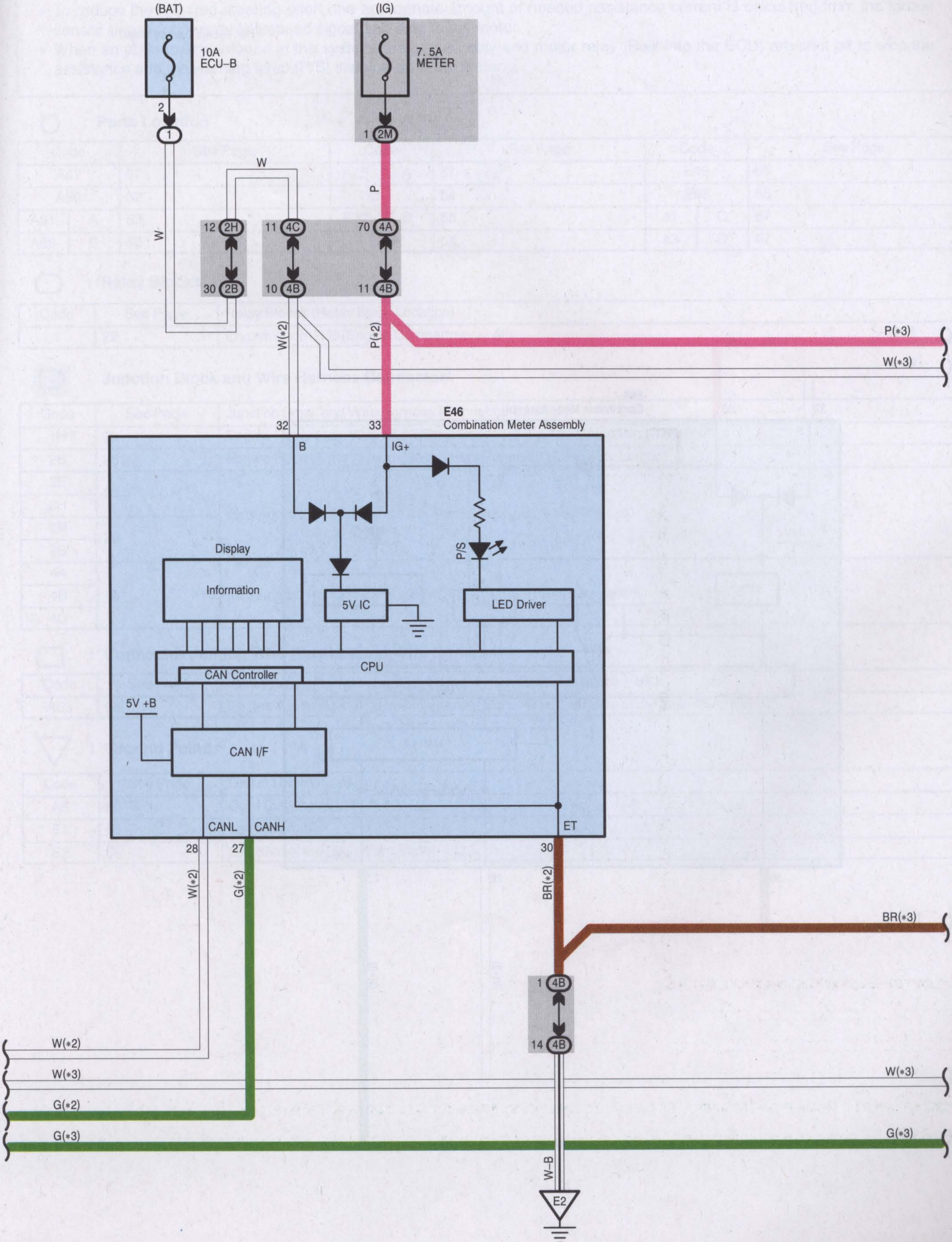

(IG)
10A
ECU–IG
NO. 1
(BAT)
60A
EPS
a3(D)
Steering Column Assembly
Power Steering Motor
M
E11
DLC3
CANH
CANL
LG
W
L
E58
Junction Connector
M1
M2
IG
PIG
A75(A), E32(B), a1(C), a3(D)
Power Steering ECU Assembly
TRQG
TRQ2
TRQV
TRQ1
PGND
CANL
CANH
SB
G(*3)
G(*2)
W(*3)
W(*2)
Power Steering
Torque Sensor
a1(C)
Steering Column Assembly
W-B
A5



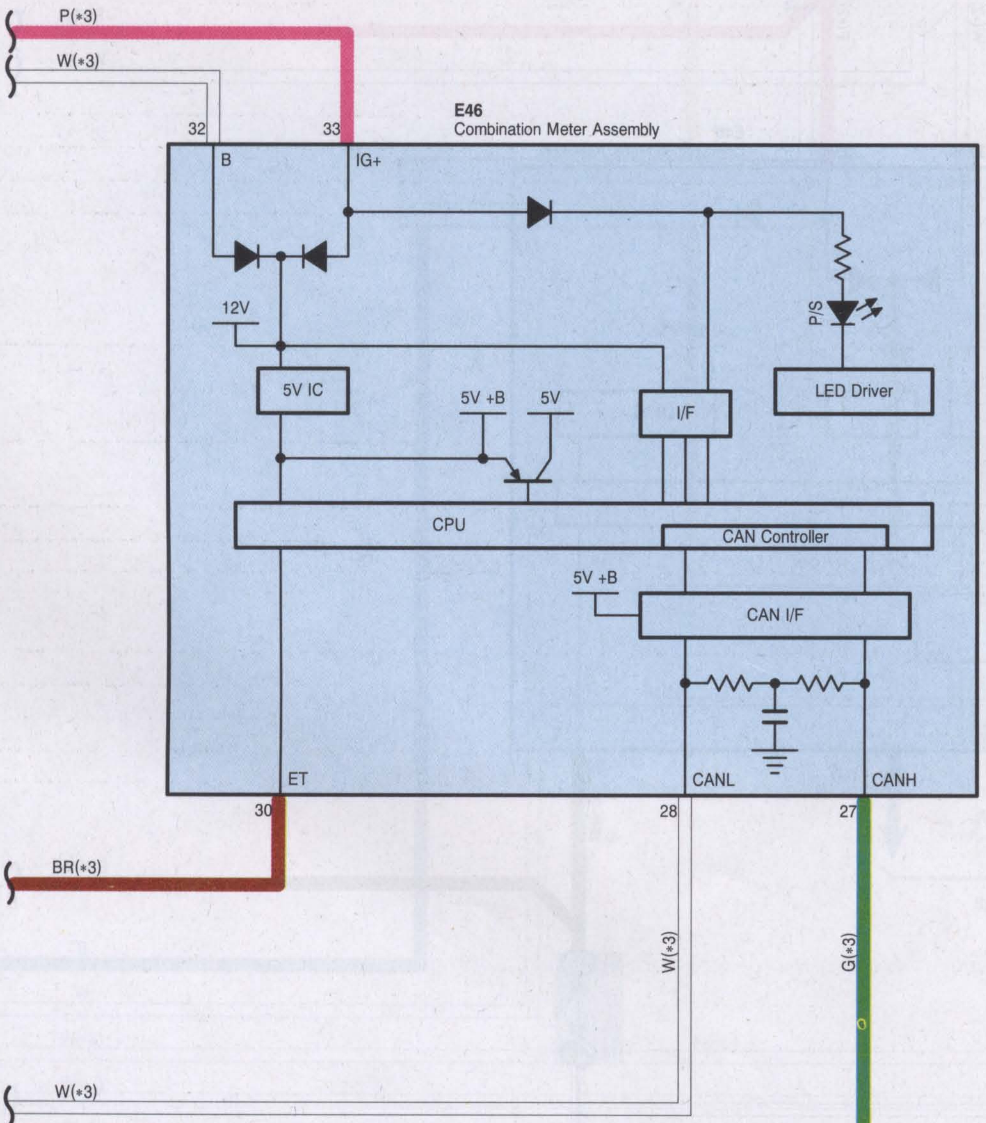
∗1 : w/ VSC and/or Parking Assist (Back Guide Monitor)
∗2 : Optitron Meter
∗3 : Except Optitron Meter
(BAT)
10A
ECU–B
(IG)
10A
ECU–IG
NO. 1
E58
Junction Connector
21
10
5
16
W
B
BR
(∗1)
W
(∗1)
23 AE3
24 AE3
3
2
5
4
CANH
CANL
BAT
IG
ESS
E49
Steering Sensor
2
1
W
30 2B
12 2H
11 4C
34 4A
7 2S
L
42 4A
29 4A
1
BR
28 4A
37 4A
W–B
1 2S
17 2E
W–B
B
W
W(∗2)
W(∗3)
G(∗2)
G(∗3)
E1



∗ 2 : Optitron Meter
∗ 3 : Except Optitron Meter
∗ 4 : w/ VSC
∗ 5 : w/o VSC
A50
ECM
CANH
CANL
41
49
Y
W
10
21
A47
Junction Connector
9
20
8
19
B
W
R
W
Speed Sensors
LG
V
BR
LG
25 A 14 A 19 A 18 A 7 A 6 A (∗4)
25 B 14 B 19 B 18 B 7 B 6 B (∗5)
CANH
CANL
FL+
FL–
FR+
FR–
A51(A), A66(B)
Brake Actuator Assembly
RL+
RL–
RR+
RR–
5 A 4 A 17 A 16 A (∗4)
5 B 4 B 17 B 16 B (∗5)
B
W
R
G
Speed Sensors
B
W
W(∗2)
W(∗3)
G(∗2)
G(∗3)


(BAT)
10A
ECU–B
(IG)
7. 5A
METER
2
1
1 2M
W
P
W
12 2H
11 4C
70 4A
30 2B
10 4B
11 4B
W(*2)
P(*2)
P(*3)
W(*3)
E46
Combination Meter Assembly
32
33
B
IG+
P/S
Display
Information
5V IC
LED Driver
CPU
CAN Controller
5V +B
CAN I/F
CANL
CANH
ET
28
27
30
W(*2)
G(*2)
BR(*2)
BR(*3)
1 4B
14 4B
W(*2)
W(*3)
G(*2)
G(*3)
W(*3)
G(*3)
W–B
E2

∗ 3 : Except Optitron Meter



## System Outline

* To reduce the required steering effort, the appropriate amount of needed assistance current is calculated from the torque sensor signal and the vehicle speed signal and sent to the motor.
* When an abnormality is found in the system, the power relay and motor relay (Built into the ECU) are shut off to stop the assistance and the warning lamp (P/S) illuminates in the meter.

### : Parts Location

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A47 | | 57 | A75 | A | 57 | E49 | | 55 |
| A50 | | 52 | E11 | | 54 | E58 | | 55 |
| A51 | A | 52 | E32 | B | 55 | a1 | C | 57 |
| A66 | B | 52 | E46 | | 55 | a3 | D | 57 |

### : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

### : Junction Block and Wire Harness Connector

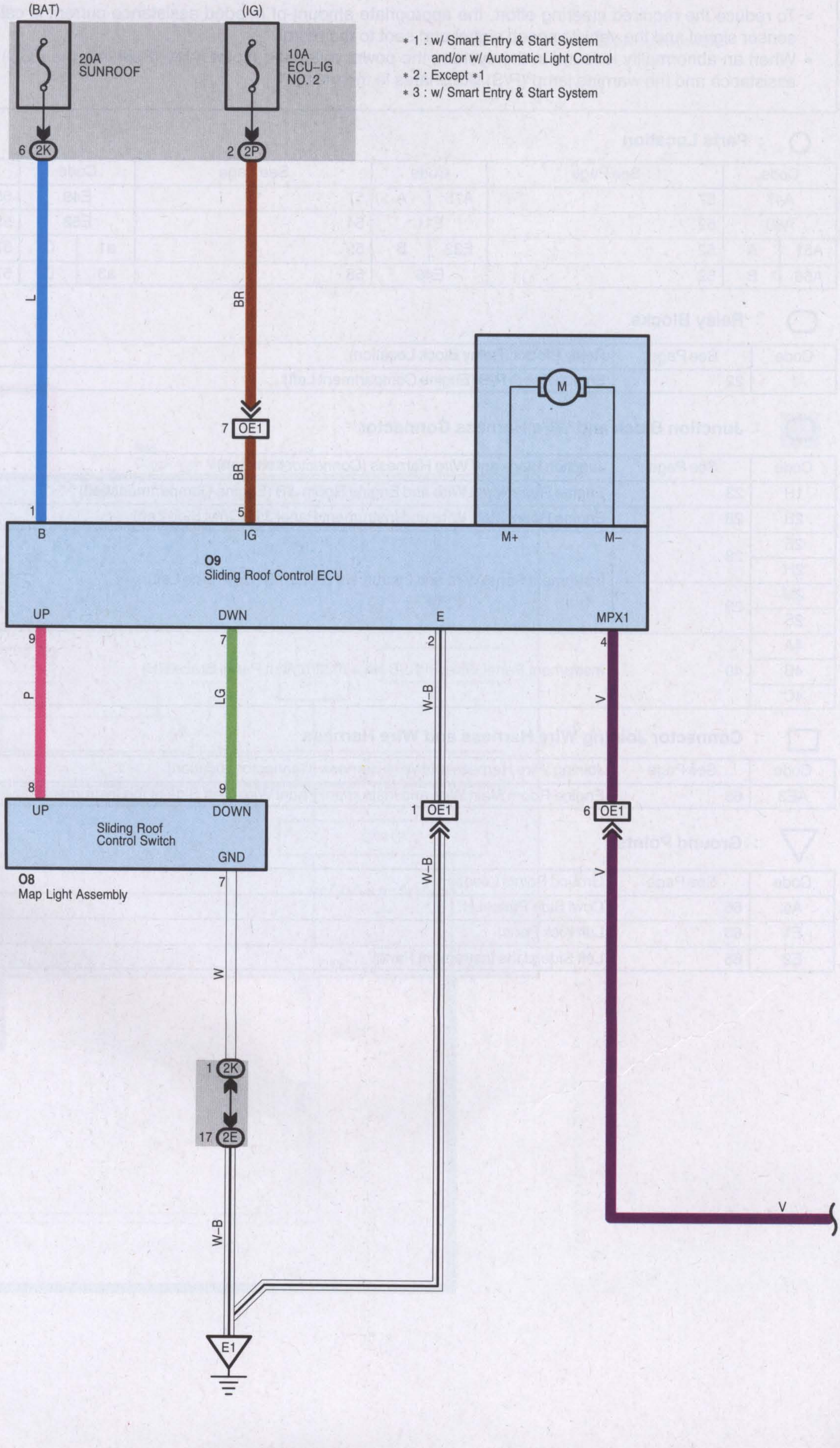
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1H | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2H | | |
| 2M | 29 | |
| 2S | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

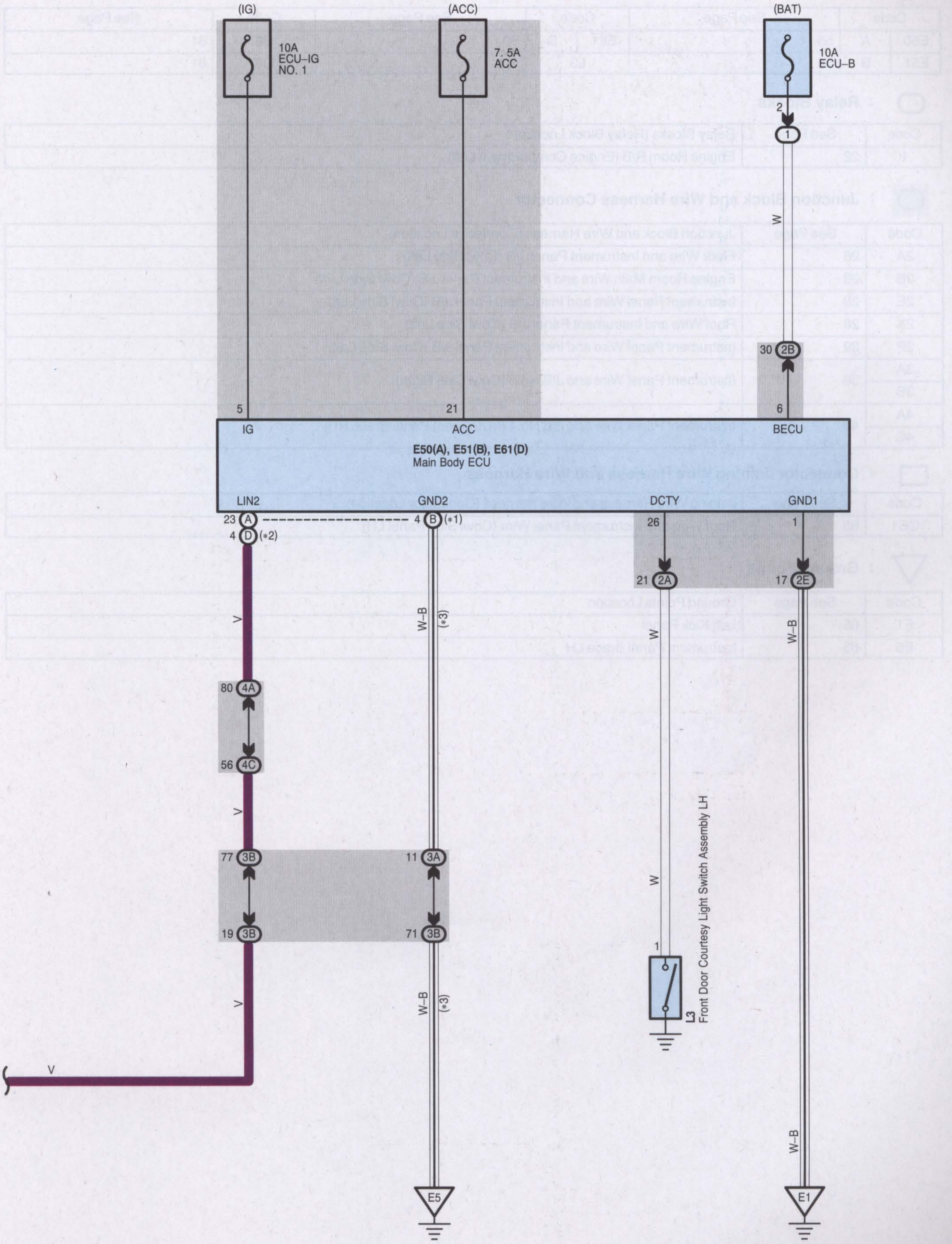
### : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE3 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |

### : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| A5 | 65 | Cowl Side Panel LH |
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |


(BAT)
20A
SUNROOF
(IG)
10A
ECU–IG
NO. 2
＊1 : w/ Smart Entry & Start System
and/or w/ Automatic Light Control
＊2 : Except ＊1
＊3 : w/ Smart Entry & Start System
6 2K
2 2P
L
BR
M
7 OE1
BR
1
5
B
IG
M+
M–
O9
Sliding Roof Control ECU
UP
DWN
E
MPX1
9
7
2
4
P
LG
W–B
V
8
9
1 OE1
6 OE1
UP
DOWN
Sliding Roof
Control Switch
GND
O8
Map Light Assembly
7
W–B
V
W
1 2K
17 2E
V
W–B
E1


(IG)
10A
ECU–IG
NO. 1
(ACC)
7. 5A
ACC
(BAT)
10A
ECU–B
2
1
W
30 2B
6
5
21
IG
ACC
BECU
E50(A), E51(B), E61(D)
Main Body ECU
LIN2
GND2
DCTY
GND1
23 A
4 D (*2)
4 B (*1)
26
1
21 2A
17 2E
V
W–B (*3)
W
W–B
80 4A
56 4C
77 3B
11 3A
19 3B
71 3B
Front Door Courtesy Light Switch Assembly LH
L3
E5
E1

## : Parts Location

| Code | | See Page | Code | | See Page | Code | See Page |
|---|---|---|---|---|---|---|---|
| E50 | A | 55 | E61 | D | 56 | O8 | 61 |
| E51 | B | 55 | L3 | | 59 | O9 | 61 |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

## : Junction Block and Wire Harness Connector

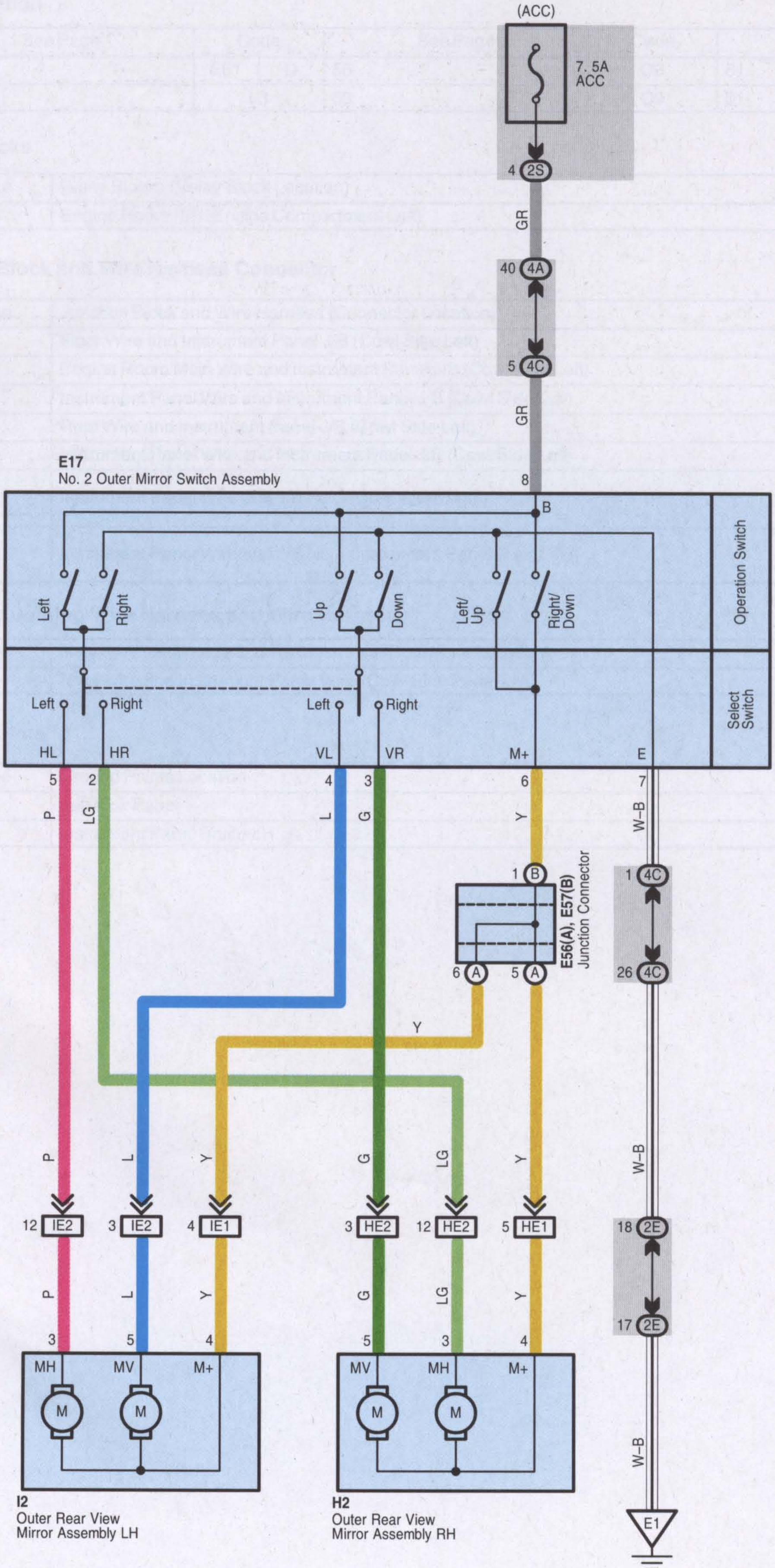
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2A | 28 | Floor Wire and Instrument Panel J/B (Cowl Side Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2K | 28 | Roof Wire and Instrument Panel J/B (Cowl Side Left) |
| 2P | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 3A<br>3B | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 4A<br>4C | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

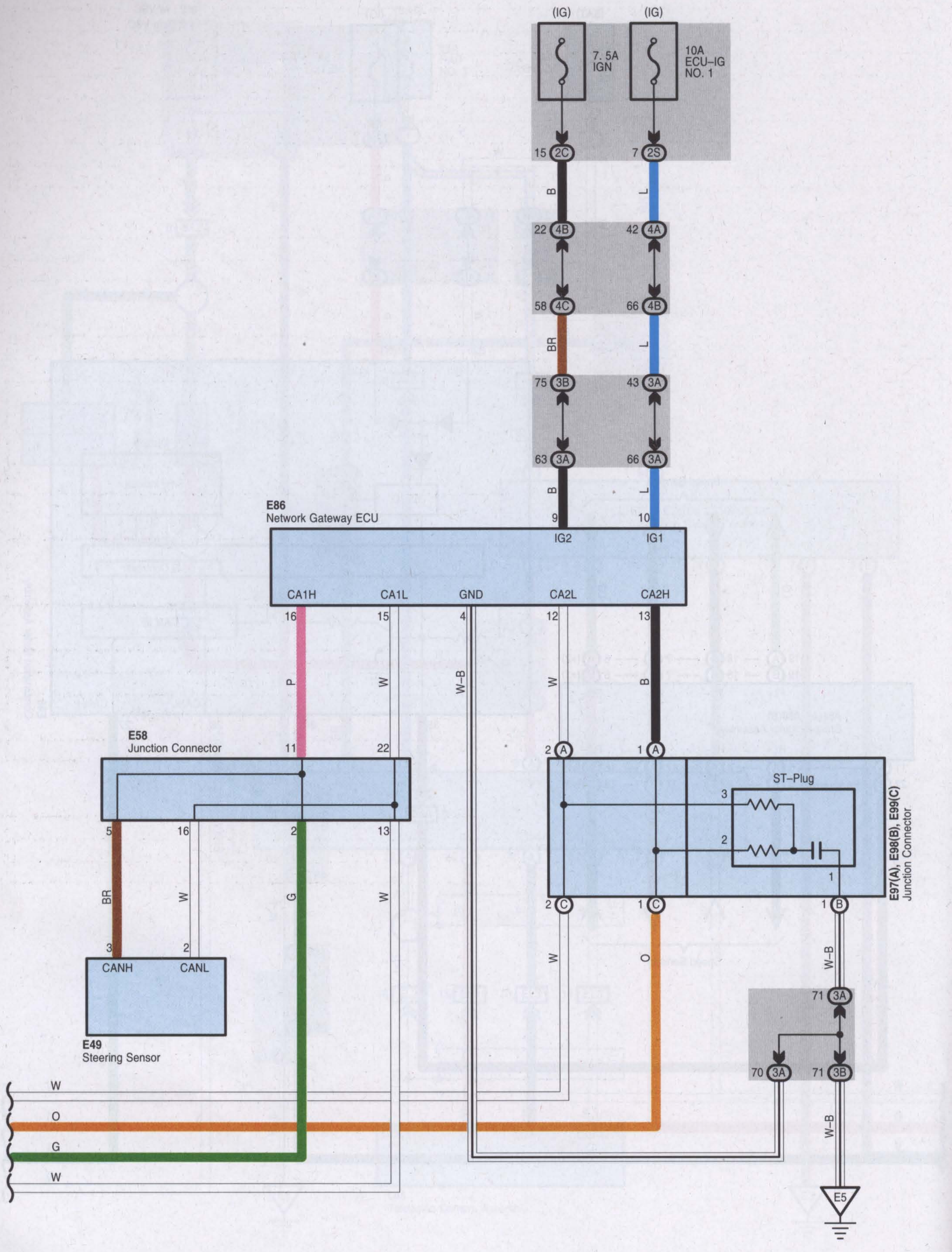
## : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| OE1 | 65 | Roof Wire and Instrument Panel Wire (Cowl Side Panel LH) |

## : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| E1 | 65 | Left Kick Panel |
| E5 | 65 | Instrument Panel Brace LH |


(ACC)
7. 5A
ACC
4 2S
GR
40 4A
5 4C
GR
8
E17
No. 2 Outer Mirror Switch Assembly
B
Left
Right
Up
Down
Left/
Up
Right/
Down
Operation Switch
Left
Right
Left
Right
Select
Switch
HL
HR
VL
VR
M+
E
5 P
2 LG
4 L
3 G
6 Y
7 W-B
1 B
E56(A), E57(B)
Junction Connector
6 A
5 A
1 4C
26 4C
Y
12 IE2
3 IE2
4 IE1
3 HE2
12 HE2
5 HE1
18 2E
17 2E
MH
MV
M+
MV
MH
M+
M
I2
Outer Rear View
Mirror Assembly LH
H2
Outer Rear View
Mirror Assembly RH
E1


(IG)
(IG)
7. 5A
IGN
10A
ECU–IG
NO. 1
15 2C
7 2S
B
L
22 4B
42 4A
58 4C
66 4B
BR
L
75 3B
43 3A
63 3A
66 3A
B
L
9
10
E86
Network Gateway ECU
IG2
IG1
CA1H
CA1L
GND
CA2L
CA2H
16
15
4
12
13
P
W
W–B
W
B
E58
Junction Connector
11
22
2 A
1 A
ST–Plug
3
2
1
5
16
2
13
BR
W
G
W
2 C
1 C
1 B
E97(A), E98(B), E99(C)
Junction Connector
W
O
W–B
3
2
CANH
CANL
71 3A
E49
Steering Sensor
70 3A
71 3B
W
O
G
W
W–B
E5

**○ : Parts Location**

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A51 | A | 52 | E46 | | 55 | E98 | B | 56 |
| A66 | B | 52 | E49 | | 55 | E99 | C | 56 |
| B60 | | 53 | E58 | | 55 | E100 | F | 56 |
| B88 | | 53 | E86 | | 56 | E101 | C | 56 |
| E1 | A | 54 | E95 | A | 56 | L45 | | 59 |
| E26 | C | 54 | E96 | B | 56 | | | |
| E35 | E | 55 | E97 | A | 56 | | | |

**: Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

**: Junction Block and Wire Harness Connector**

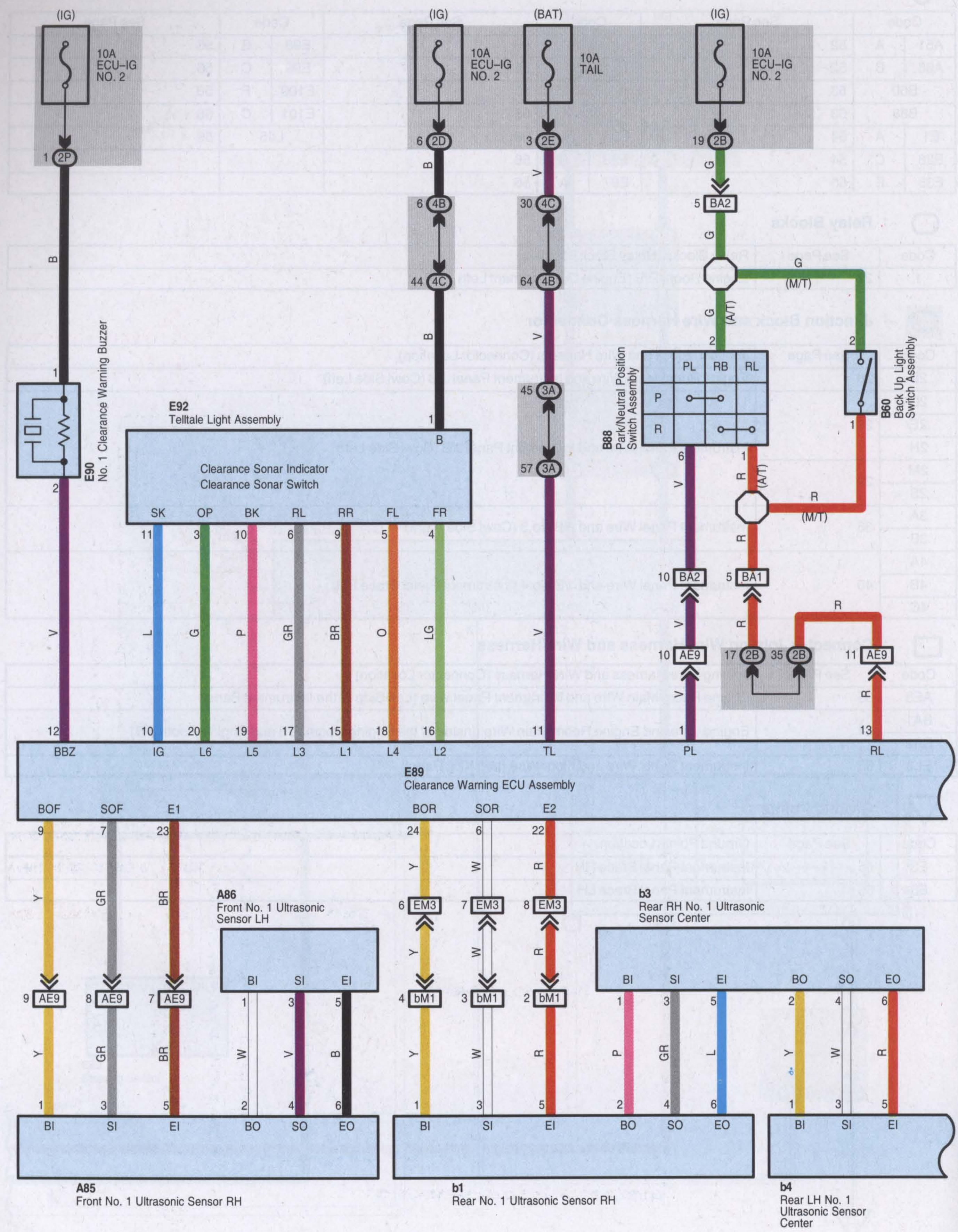
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2C | | |
| 2E | 28 | |
| 2H | | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | |
| 2S | | |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | | |
| 4B | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4C | | |

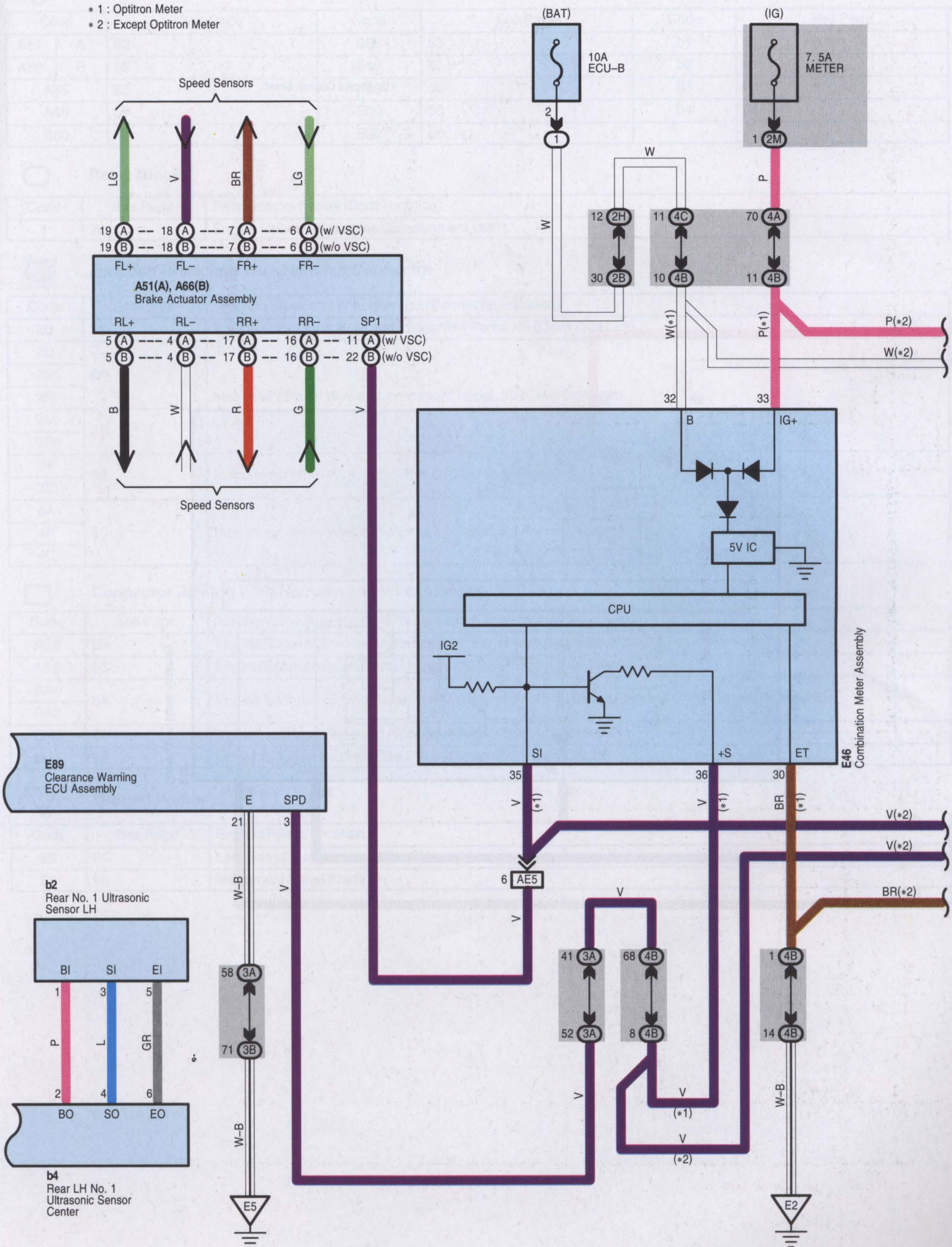
**□ : Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE5 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| BA1 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| BA2 | | |
| EL3 | 65 | Instrument Panel Wire and Floor Wire (Left Kick Panel) |

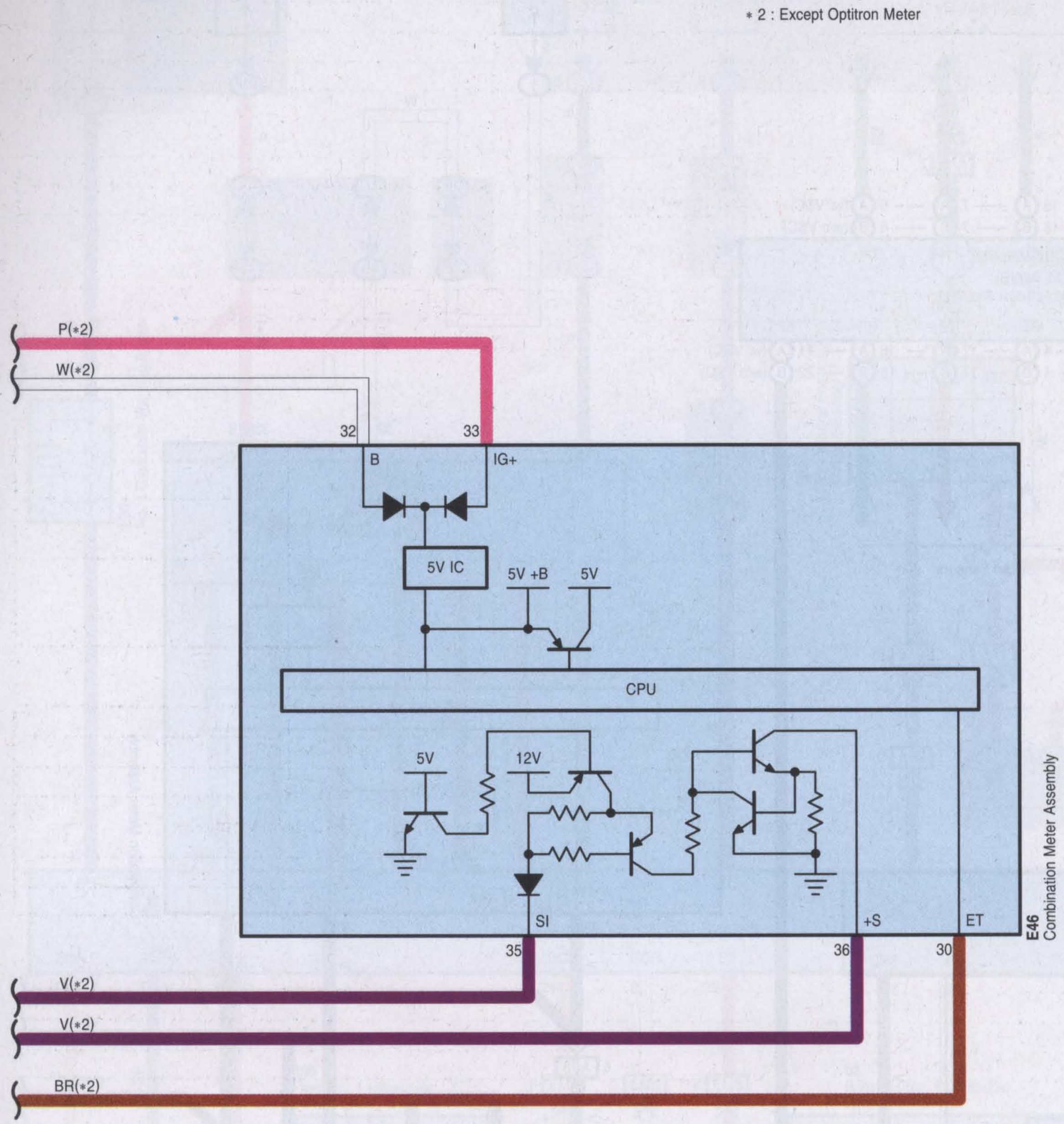
**▽ : Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| E3 | 65 | Instrument Panel Brace RH |
| E5 | 65 | Instrument Panel Brace LH |


(IG)
10A ECU-IG NO. 2
(BAT)
10A TAIL
E90 No. 1 Clearance Warning Buzzer
E92 Telltale Light Assembly
Clearance Sonar Indicator
Clearance Sonar Switch
SK OP BK RL RR FL FR
B88 Park/Neutral Position Switch Assembly
PL RB RL
P R
(A/T) (M/T)
B60 Back Up Light Switch Assembly
E89 Clearance Warning ECU Assembly
BBZ IG L6 L5 L3 L1 L4 L2 TL PL RL
BOF SOF E1 BOR SOR E2
A86 Front No. 1 Ultrasonic Sensor LH
b3 Rear RH No. 1 Ultrasonic Sensor Center
BI SI EI BO SO EO
A85 Front No. 1 Ultrasonic Sensor RH
b1 Rear No. 1 Ultrasonic Sensor RH
b4 Rear LH No. 1 Ultrasonic Sensor Center



＊1 : Optitron Meter
＊2 : Except Optitron Meter
Speed Sensors
LG
V
BR
LG
19 A 18 A 7 A 6 A (w/ VSC)
19 B 18 B 7 B 6 B (w/o VSC)
FL+ FL– FR+ FR–
A51(A), A66(B)
Brake Actuator Assembly
RL+ RL– RR+ RR– SP1
5 A 4 A 17 A 16 A 11 A (w/ VSC)
5 B 4 B 17 B 16 B 22 B (w/o VSC)
B
W
R
G
V
Speed Sensors
(BAT)
10A
ECU–B
(IG)
7. 5A
METER
2
1
1 2M
W
P
12 2H
30 2B
11 4C
10 4B
70 4A
11 4B
W(＊1)
P(＊1)
P(＊2)
W(＊2)
32
33
B
IG+
5V IC
CPU
IG2
SI
+S
ET
E46
Combination Meter Assembly
35
36
30
V (＊1)
V (＊1)
BR (＊1)
V(＊2)
V(＊2)
BR(＊2)
E89
Clearance Warning
ECU Assembly
E
SPD
21
3
6 AE5
W–B
V
V
b2
Rear No. 1 Ultrasonic
Sensor LH
BI SI EI
1 3 5
P L GR
2 4 6
BO SO EO
b4
Rear LH No. 1
Ultrasonic Sensor
Center
58 3A
71 3B
41 3A
52 3A
68 4B
8 4B
1 4B
14 4B
V
V
V (＊1)
V (＊2)
W–B
W–B
E5
E2



＊2 : Except Optitron Meter
P(＊2)
W(＊2)
32
33
B
IG+
5V IC
5V +B
5V
CPU
5V
12V
SI
+S
ET
35
36
30
V(＊2)
V(＊2)
BR(＊2)
E46
Combination Meter Assembly

**○ : Parts Location**

| Code | See Page | Code | See Page | Code | See Page |
|---|---|---|---|---|---|
| A51 A | 52 | B88 | 53 | b1 | 61 |
| A66 B | 52 | E46 | 55 | b2 | 61 |
| A85 | 52 | E89 | 56 | b3 | 61 |
| A86 | 52 | E90 | 56 | b4 | 61 |
| B60 | 53 | E92 | 56 | | |

**: Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

**: Junction Block and Wire Harness Connector**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2D | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | | |
| 2H | | |
| 2M | 29 | |
| 2P | | |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

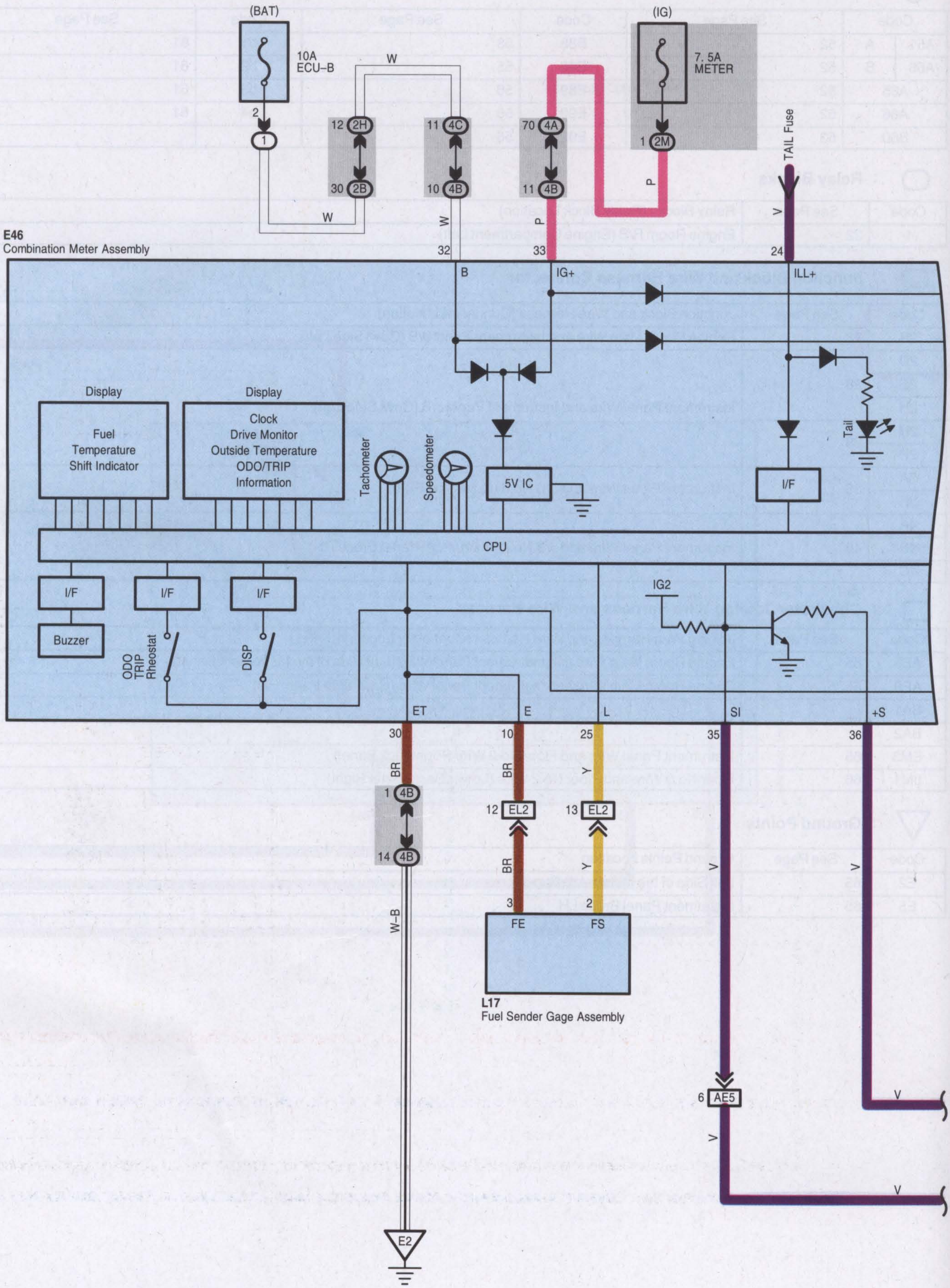
**□ : Connector Joining Wire Harness and Wire Harness**

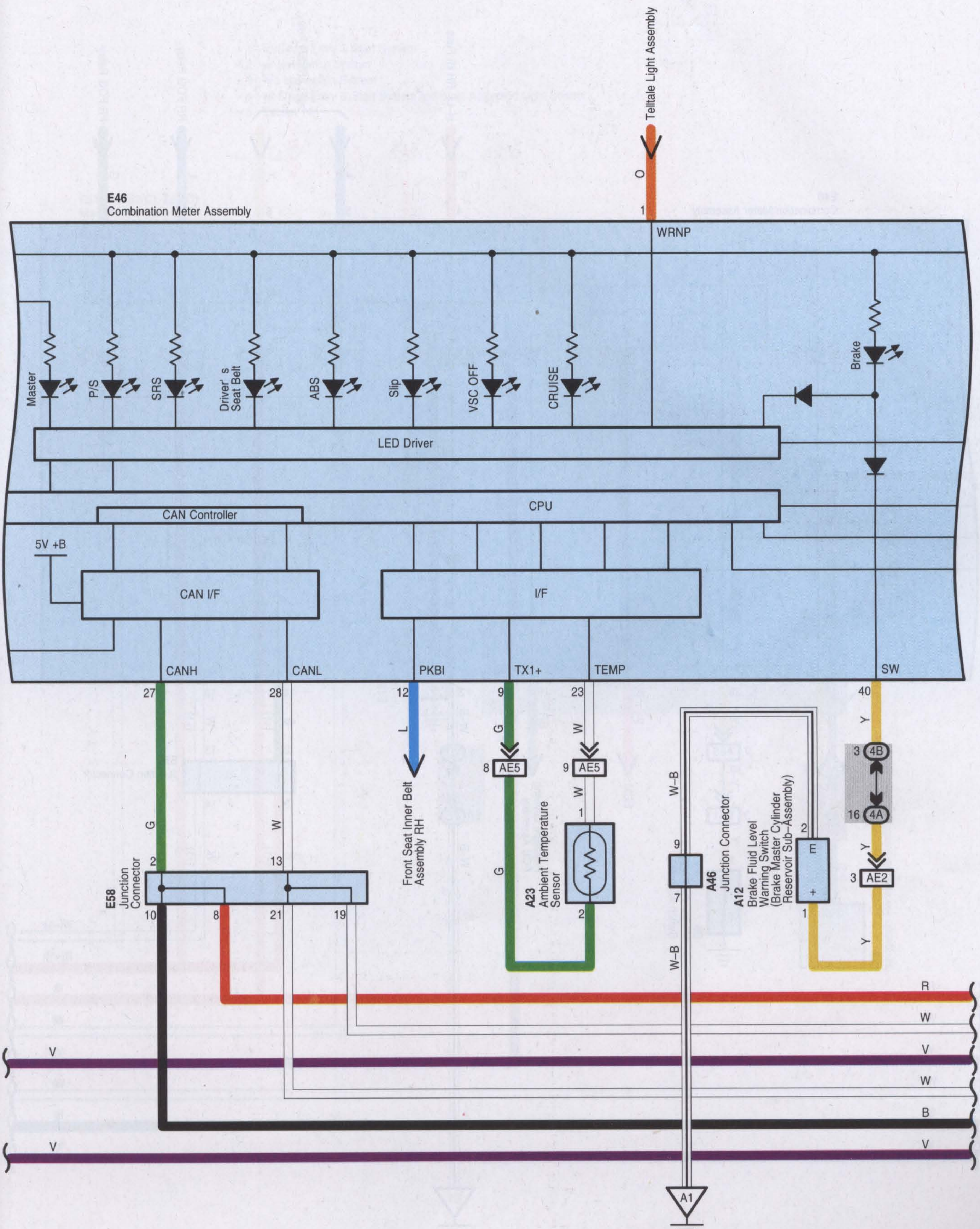
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE5 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE9 | 65 | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH) |
| BA1 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| BA2 | | |
| EM3 | 65 | Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel) |
| bM1 | 66 | Floor No.5 Wire and Floor No.2 Wire (Lower Back Panel Right) |

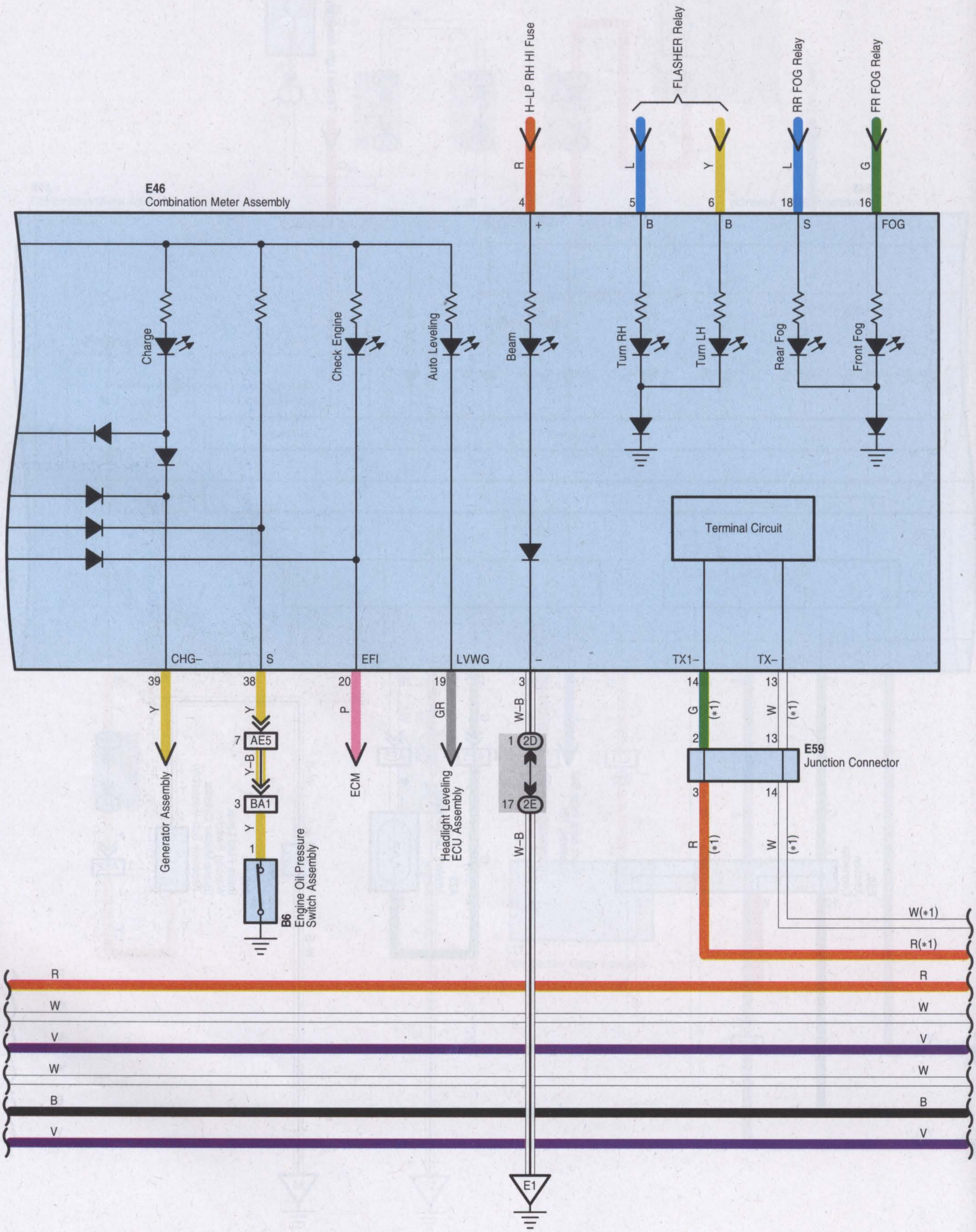
**▽ : Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| E2 | 65 | Left Side of the Instrument Panel |
| E5 | 65 | Instrument Panel Brace LH |

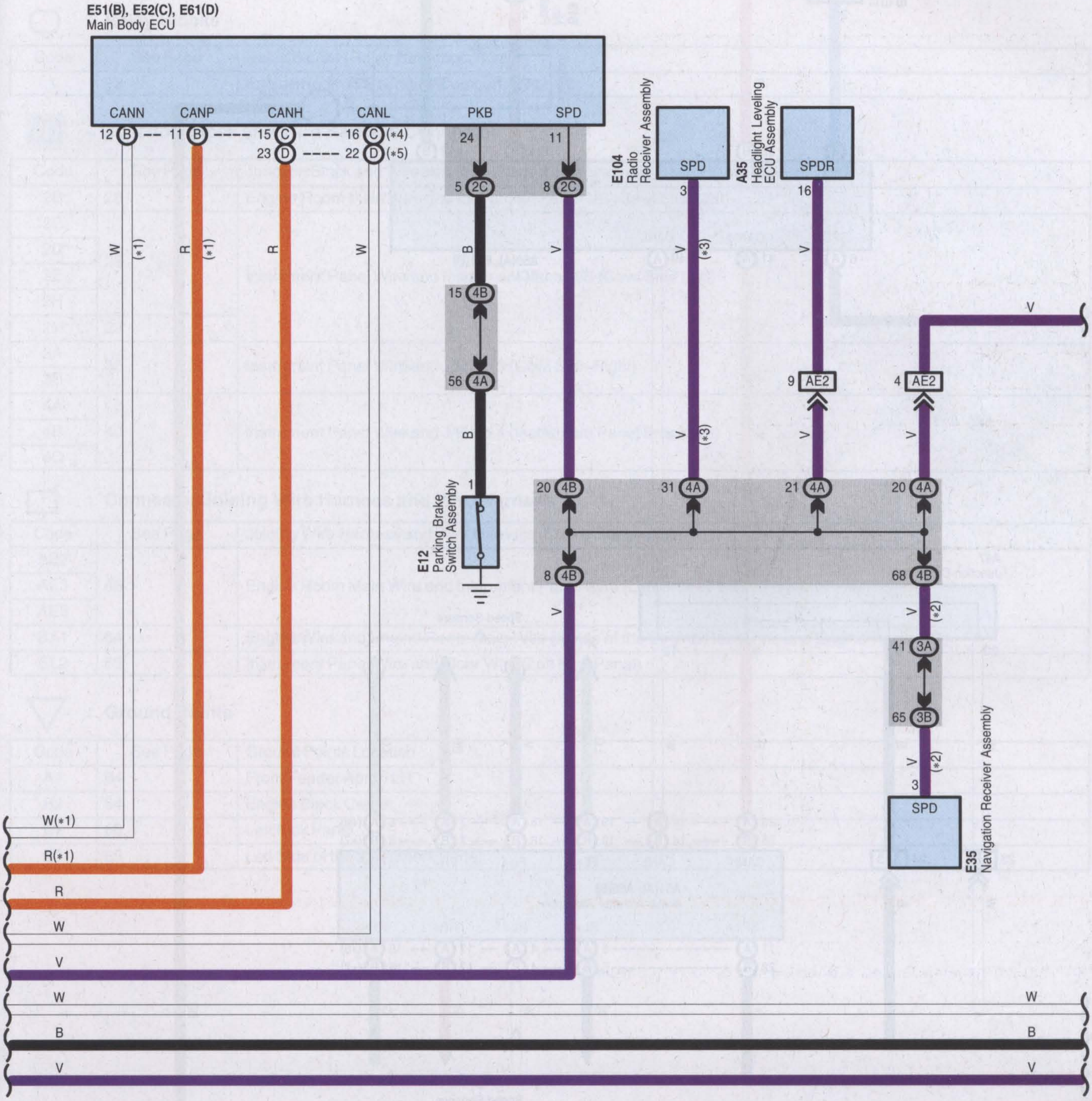
# 组合仪表(光电仪表)

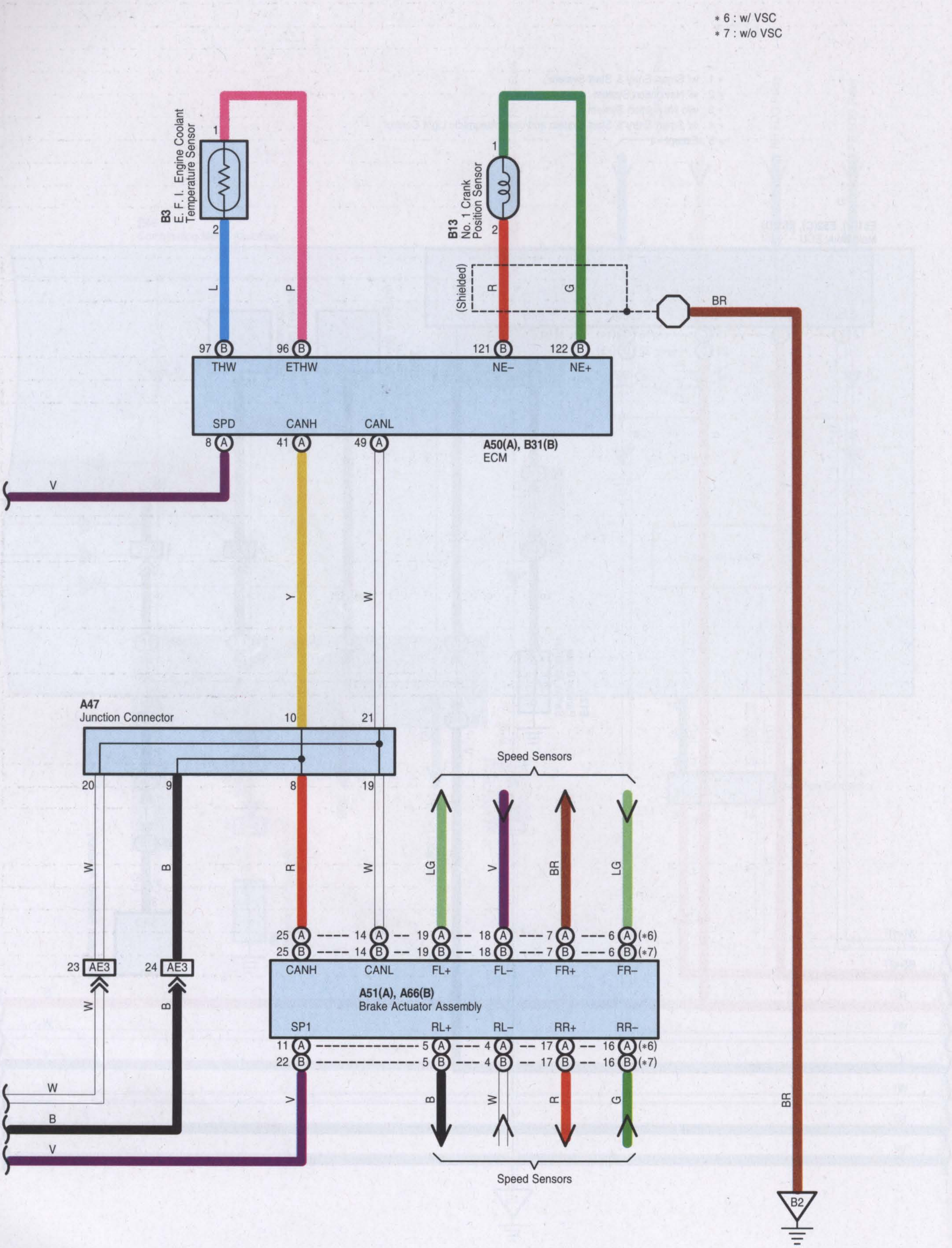

(BAT)
10A
ECU-B
(IG)
7. 5A
METER
TAIL Fuse
E46
Combination Meter Assembly
Display
Fuel
Temperature
Shift Indicator
Display
Clock
Drive Monitor
Outside Temperature
ODO/TRIP
Information
Tachometer
Speedometer
5V IC
I/F
CPU
Buzzer
ODO
TRIP
Rheostat
DISP
IG2
Tail
B
IG+
ILL+
ET
E
L
SI
+S
L17
Fuel Sender Gage Assembly
FE
FS
E2
AE5
EL2


Telltale Light Assembly
O
1
E46
Combination Meter Assembly
WRNP
Master
P/S
SRS
Driver' s Seat Belt
ABS
Slip
VSC OFF
CRUISE
Brake
LED Driver
CPU
CAN Controller
5V +B
CAN I/F
I/F
CANH
CANL
PKBI
TX1+
TEMP
SW
27
28
12
9
23
40
G
W
L
Y
Front Seat Inner Belt Assembly RH
8 AE5
9 AE5
3 4B
16 4A
3 AE2
A23
Ambient Temperature Sensor
1
2
W–B
9
7
A46
Junction Connector
A12
Brake Fluid Level Warning Switch (Brake Master Cylinder Reservoir Sub-Assembly)
E
+
E58
Junction Connector
13
10
8
21
19
R
V
B
A1


H-LP RH HI Fuse
FLASHER Relay
RR FOG Relay
FR FOG Relay
R
L
Y
L
G
4
5
6
18
16
E46
Combination Meter Assembly
+
B
B
S
FOG
Charge
Check Engine
Auto Leveling
Beam
Turn RH
Turn LH
Rear Fog
Front Fog
Terminal Circuit
CHG–
S
EFI
LVWG
–
TX1–
TX–
39
38
20
19
3
14
13
Y
Y
P
GR
W–B
G
(*1)
W
(*1)
7 AE5
Y–B
3 BA1
Y
1
1 2D
17 2E
2
13
E59
Junction Connector
3
14
Generator Assembly
ECM
Headlight Leveling ECU Assembly
B6
Engine Oil Pressure Switch Assembly
W–B
R
(*1)
W
(*1)
W(*1)
R(*1)
R
W
V
W
B
V
E1

* 1 : w/ Smart Entry & Start System
* 2 : w/ Navigation System
* 3 : w/o Navigation System
* 4 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
* 5 : Except *4





* 6 : w/ VSC
* 7 : w/o VSC
B3
E. F. I. Engine Coolant Temperature Sensor
B13
No. 1 Crank Position Sensor
(Shielded)
BR
THW
ETHW
NE−
NE+
SPD
CANH
CANL
A50(A), B31(B)
ECM
A47
Junction Connector
Speed Sensors
AE3
CANH
CANL
FL+
FL−
FR+
FR−
A51(A), A66(B)
Brake Actuator Assembly
SP1
RL+
RL−
RR+
RR−
(*6)
(*7)
Speed Sensors
B2

## ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A12 | | 52 | B3 | | 53 | E52 | C | 55 |
| A23 | | 52 | B6 | | 53 | E58 | | 55 |
| A35 | | 57 | B13 | | 53 | E59 | | 55 |
| A46 | | 57 | B31 | B | 53 | E61 | D | 56 |
| A47 | | 57 | E12 | | 54 | E104 | | 56 |
| A50 | A | 52 | E35 | | 55 | L17 | | 59 |
| A51 | A | 52 | E46 | | 55 | | | |
| A66 | B | 52 | E51 | B | 55 | | | |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

## : Junction Block and Wire Harness Connector

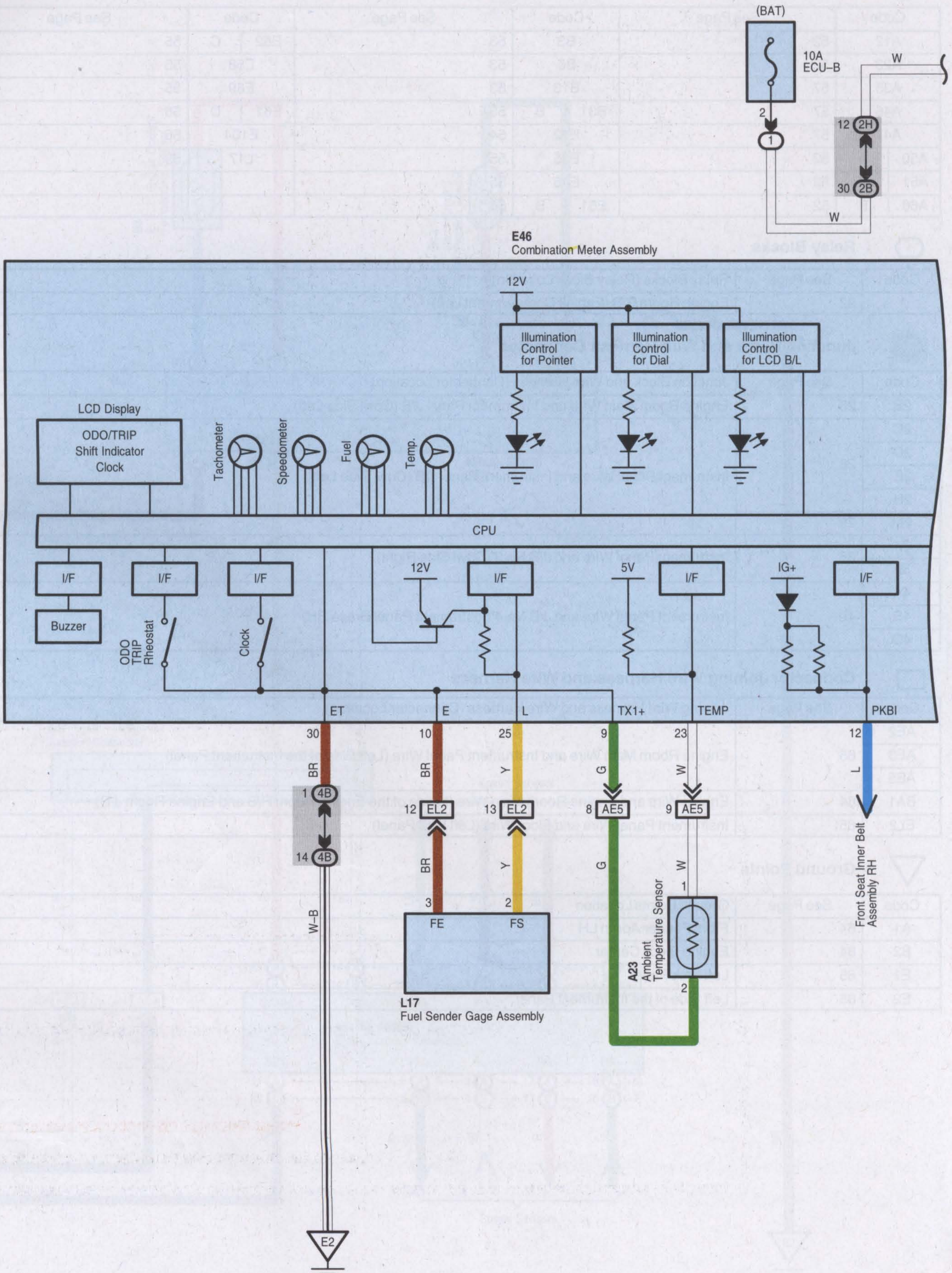
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2C | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2D | | |
| 2E | | |
| 2H | | |
| 2M | 29 | |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

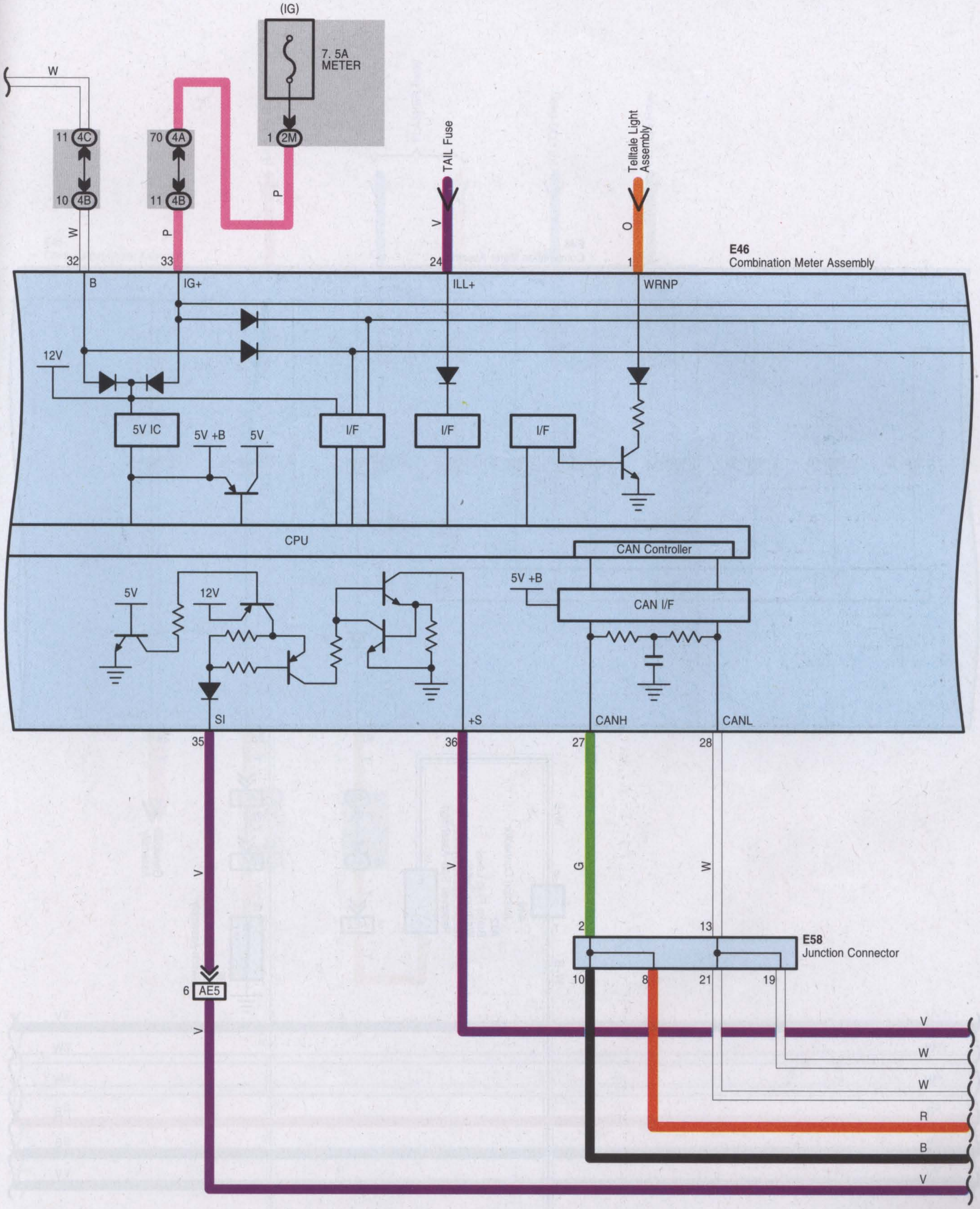
## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE3 | | |
| AE5 | | |
| BA1 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| EL2 | 65 | Instrument Panel Wire and Floor Wire (Left Kick Panel) |

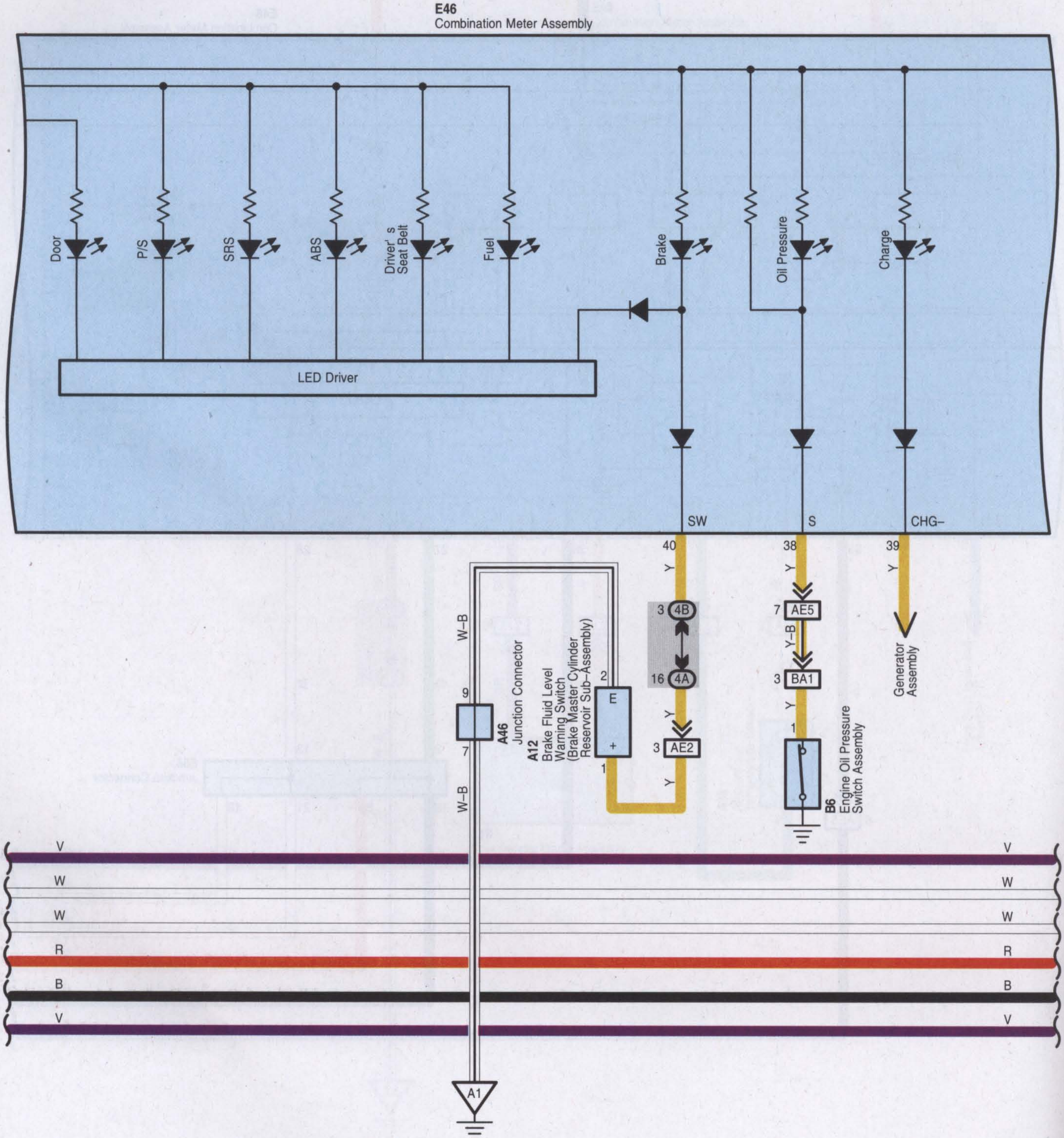
## ▽ : Ground Points

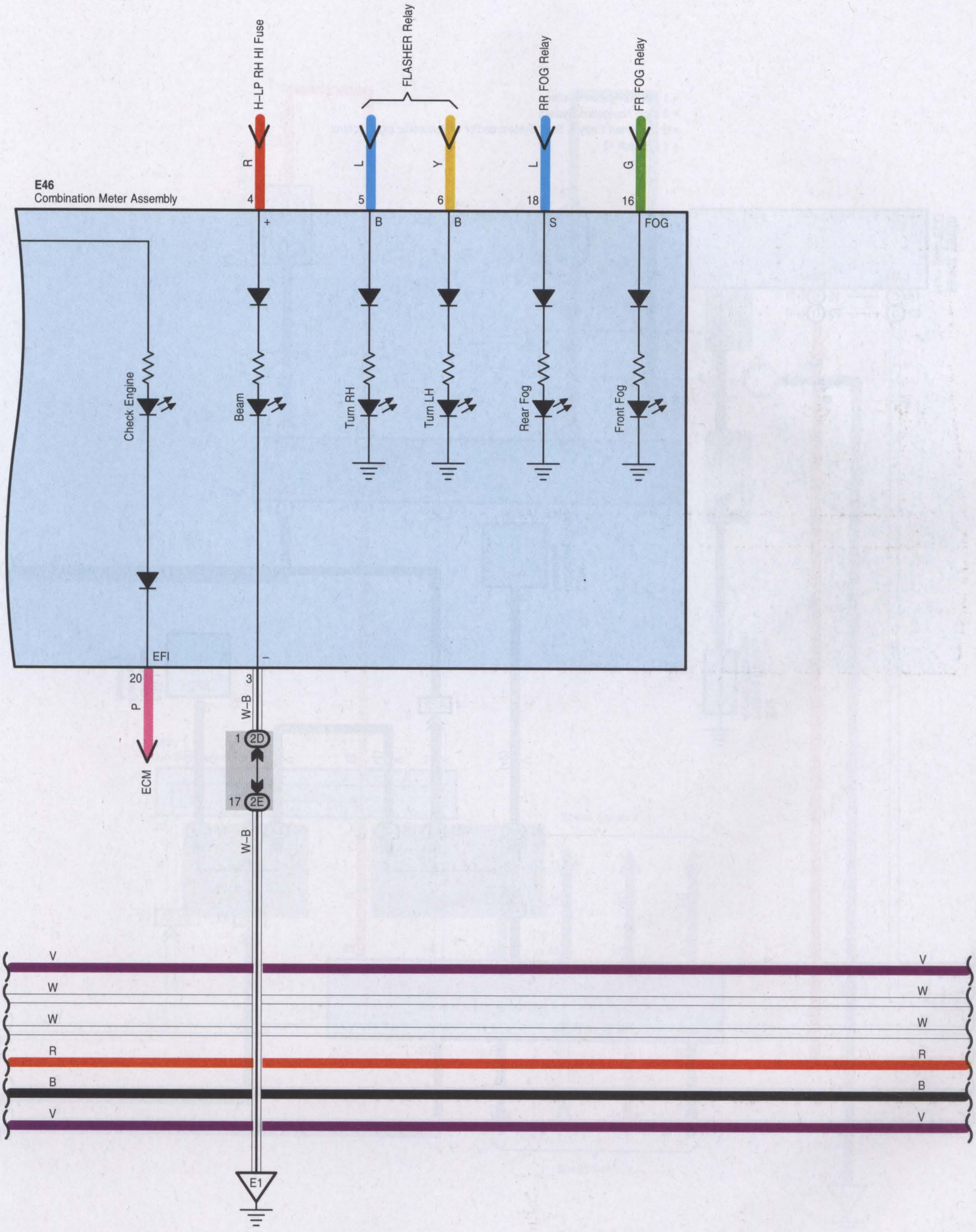
| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| B2 | 64 | Engine Block Center |
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |


(BAT)
10A
ECU–B
W
2
1
12 2H
30 2B
W
E46
Combination Meter Assembly
12V
Illumination Control for Pointer
Illumination Control for Dial
Illumination Control for LCD B/L
LCD Display
ODO/TRIP
Shift Indicator
Clock
Tachometer
Speedometer
Fuel
Temp.
CPU
I/F
I/F
I/F
Buzzer
ODO TRIP Rheostat
Clock
12V
I/F
5V
I/F
IG+
I/F
ET
E
L
TX1+
TEMP
PKBI
30
10
25
9
23
12
BR
BR
Y
G
W
L
1 4B
14 4B
12 EL2
13 EL2
8 AE5
9 AE5
BR
Y
G
W
W–B
3
2
FE
FS
L17
Fuel Sender Gage Assembly
1
2
A23
Ambient Temperature Sensor
Front Seat Inner Belt Assembly RH
E2

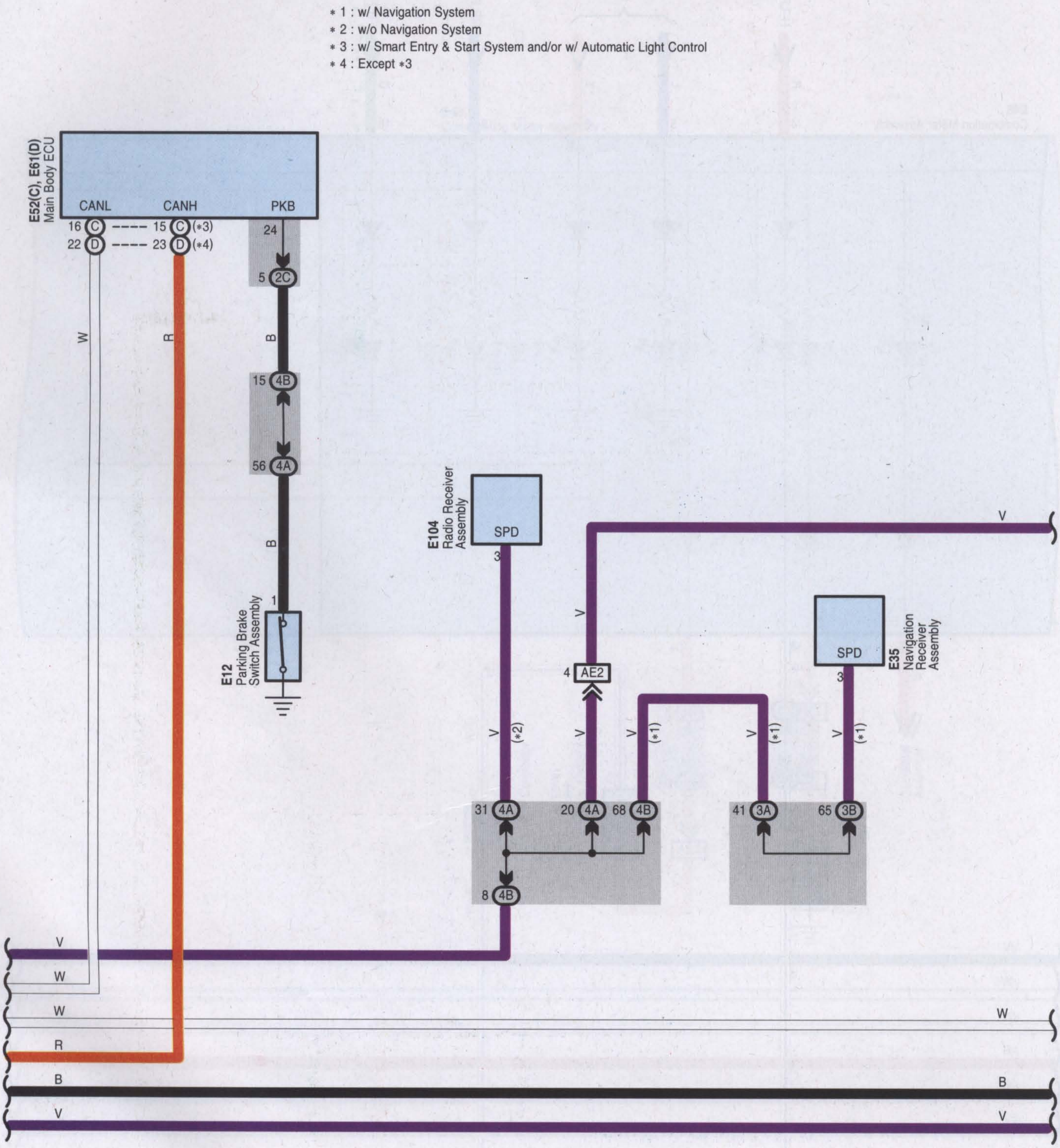

(IG)
7. 5A
METER
W
11 4C
10 4B
70 4A
11 4B
1 2M
P
TAIL Fuse
Telltale Light Assembly
W
P
V
O
32
33
24
1
E46
Combination Meter Assembly
B
IG+
ILL+
WRNP
12V
5V IC
5V +B
5V
I/F
I/F
I/F
CPU
CAN Controller
5V +B
CAN I/F
5V
12V
SI
+S
CANH
CANL
35
36
27
28
V
V
G
W
2
13
E58
Junction Connector
10
8
21
19
6 AE5
V
V
W
W
R
B
V

# 组合仪表（除光电仪表外）

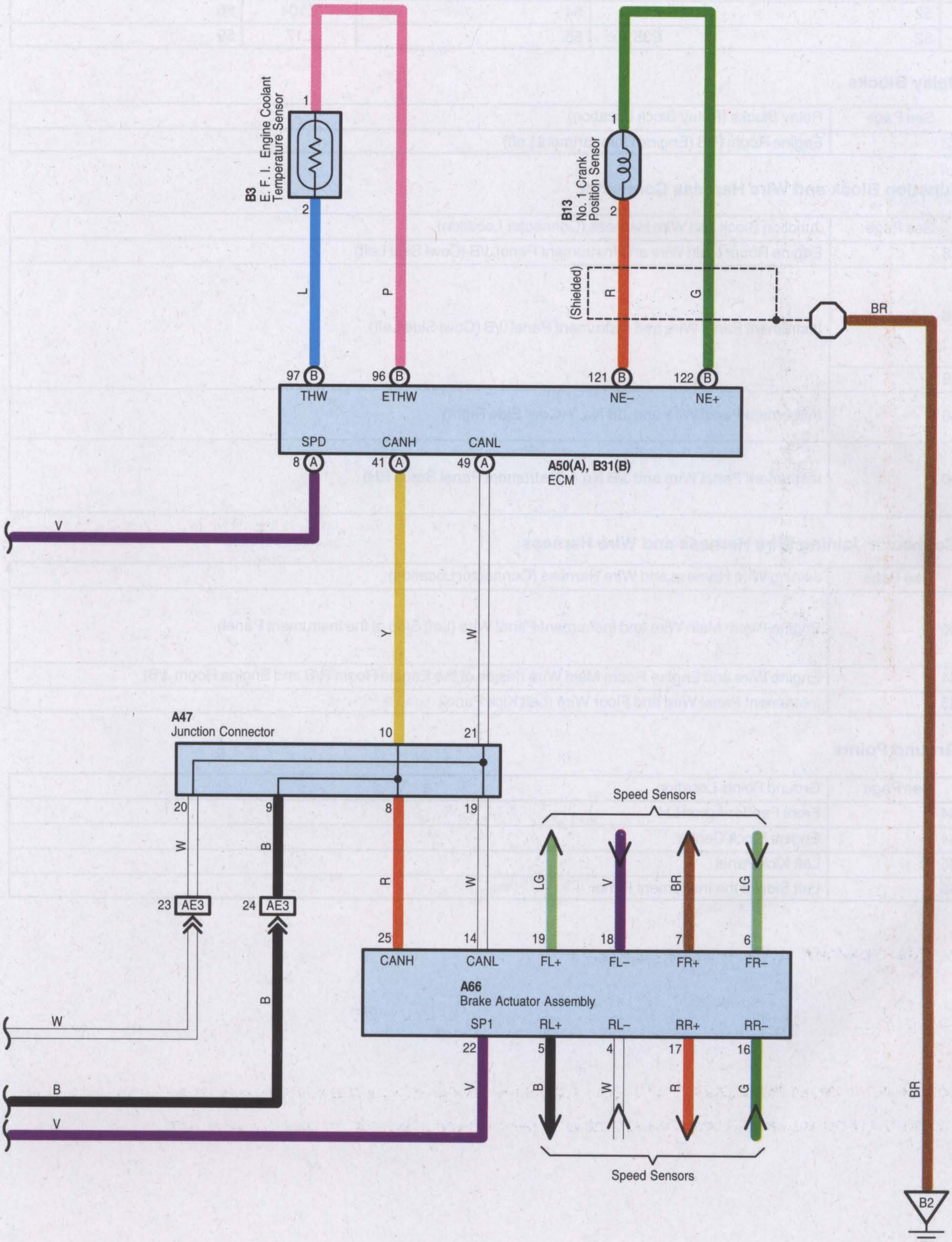

E46
Combination Meter Assembly
Door
P/S
SRS
ABS
Driver' s Seat Belt
Fuel
Brake
Oil Pressure
Charge
LED Driver
SW
S
CHG–
40
38
39
Y
3 4B
16 4A
3 AE2
7 AE5
Y–B
3 BA1
1
Generator Assembly
W–B
9
7
A46
Junction Connector
2
E
+
1
A12
Brake Fluid Level Warning Switch (Brake Master Cylinder Reservoir Sub–Assembly)
B6
Engine Oil Pressure Switch Assembly
V
W
W
R
B
V
A1


H–LP RH HI Fuse
FLASHER Relay
RR FOG Relay
FR FOG Relay
R
L
Y
L
G
E46
Combination Meter Assembly
4
5
6
18
16
+
B
B
S
FOG
Check Engine
Beam
Turn RH
Turn LH
Rear Fog
Front Fog
EFI
–
20
3
P
W–B
ECM
1
2D
17
2E
W–B
V
W
W
R
B
V
E1

# 组合仪表(除光电仪表外)



∗ 1 : w/ Navigation System
∗ 2 : w/o Navigation System
∗ 3 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
∗ 4 : Except ∗3
E52(C), E61(D)
Main Body ECU
CANL
CANH
PKB
16 C
15 C (∗3)
22 D
23 D (∗4)
24
5 2C
15 4B
56 4A
1
E12
Parking Brake
Switch Assembly
E104
Radio Receiver
Assembly
SPD
3
4 AE2
E35
Navigation
Receiver
Assembly
SPD
3
(∗2)
(∗1)
31 4A
20 4A
68 4B
41 3A
65 3B
8 4B
W
R
B
V


B3
E. F. I. Engine Coolant Temperature Sensor
B13
No. 1 Crank Position Sensor
(Shielded)
L
P
R
G
BR
97 B THW
96 B ETHW
121 B NE–
122 B NE+
SPD
CANH
CANL
8 A
41 A
49 A
A50(A), B31(B)
ECM
V
Y
W
A47
Junction Connector
10
21
20
9
8
19
W
B
R
W
23 AE3
24 AE3
Speed Sensors
LG
V
BR
LG
25 CANH
14 CANL
19 FL+
18 FL–
7 FR+
6 FR–
A66
Brake Actuator Assembly
SP1
RL+
RL–
RR+
RR–
22
5
4
17
16
V
B
W
R
G
BR
W
B
V
Speed Sensors
B2

# 组合仪表（除光电仪表外）

○ : **Parts Location**

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A12 | | 52 | B3 | | 53 | E46 | | 55 |
| A23 | | 52 | B6 | | 53 | E52 | C | 55 |
| A46 | | 57 | B13 | | 53 | E58 | | 55 |
| A47 | | 57 | B31 | B | 53 | E61 | D | 56 |
| A50 | A | 52 | E12 | | 54 | E104 | | 56 |
| A66 | | 52 | E35 | | 55 | L17 | | 59 |

: **Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

: **Junction Block and Wire Harness Connector**

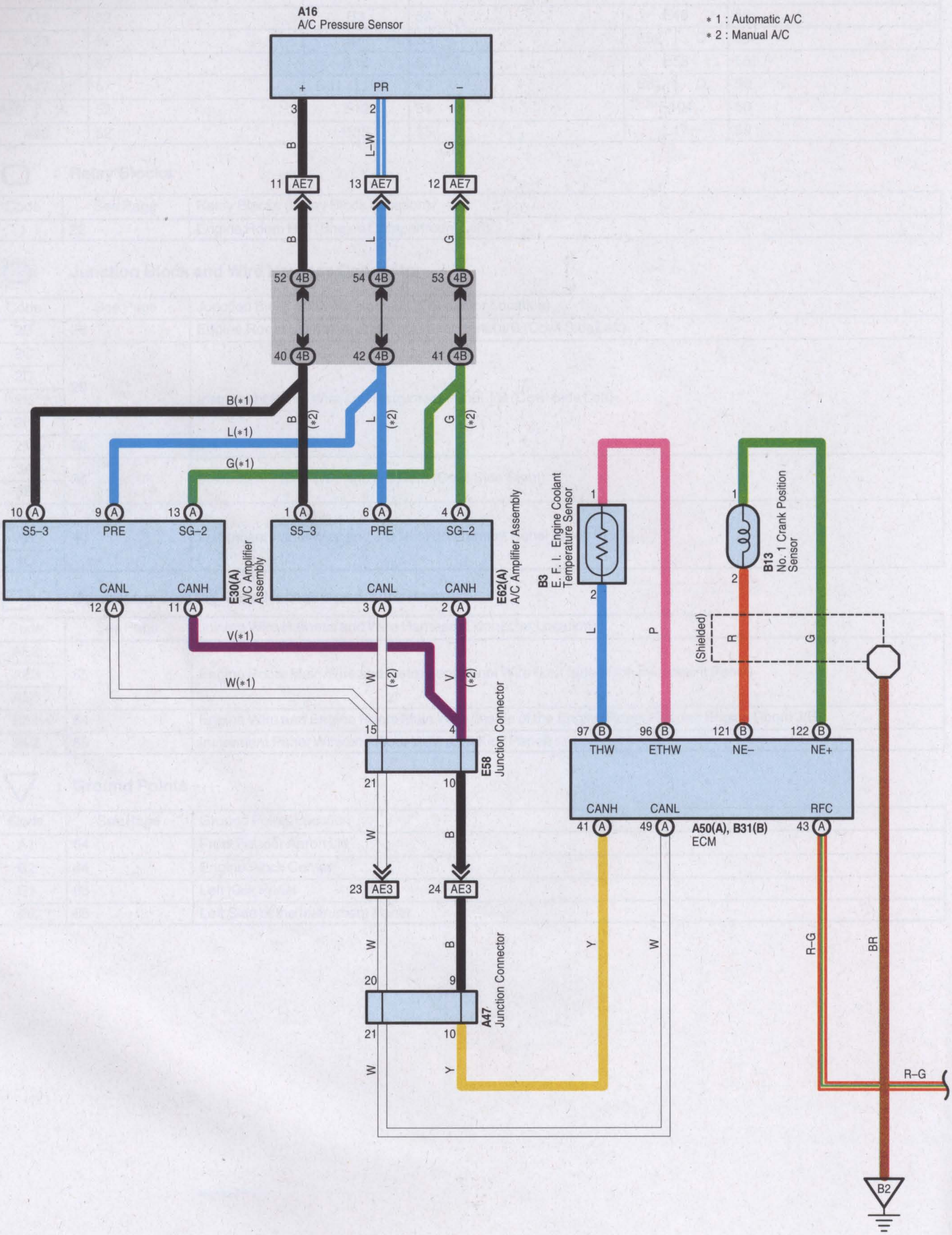
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2C | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2D | | |
| 2E | | |
| 2H | | |
| 2M | 29 | |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

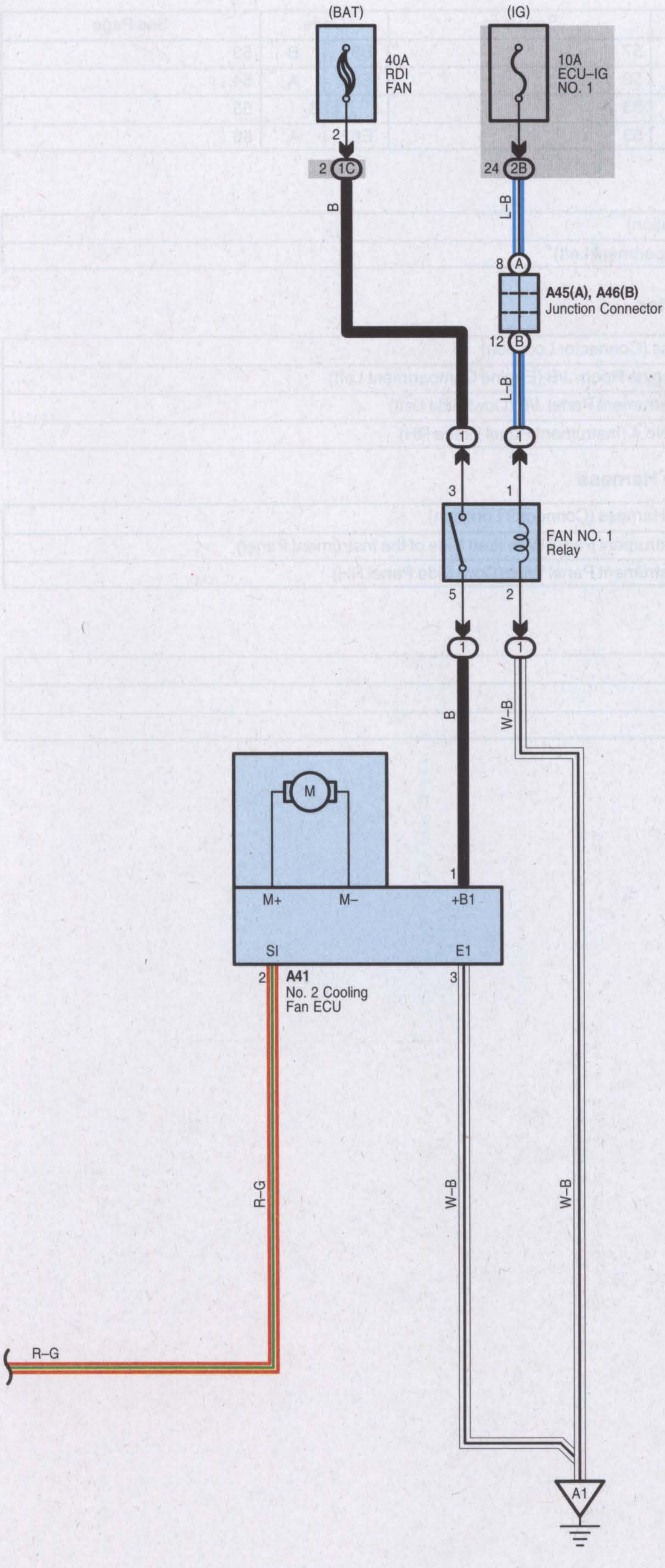
□ : **Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE3 | | |
| AE5 | | |
| BA1 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| EL2 | 65 | Instrument Panel Wire and Floor Wire (Left Kick Panel) |

▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| B2 | 64 | Engine Block Center |
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |


A16
A/C Pressure Sensor
* 1 : Automatic A/C
* 2 : Manual A/C
+
PR
–
B
L–W
G
AE7
4B
B(*1)
L(*1)
G(*1)
(*2)
S5–3
PRE
SG–2
CANL
CANH
E30(A)
A/C Amplifier Assembly
E62(A)
A/C Amplifier Assembly
V(*1)
W(*1)
W
V
E58
Junction Connector
AE3
A47
Junction Connector
Y
B3
E. F. I. Engine Coolant Temperature Sensor
B13
No. 1 Crank Position Sensor
(Shielded)
P
R
THW
ETHW
NE–
NE+
RFC
A50(A), B31(B)
ECM
R–G
BR
B2



(BAT)
40A
RDI
FAN
(IG)
10A
ECU–IG
NO. 1
2
2 1C
24 2B
B
L–B
8 A
A45(A), A46(B)
Junction Connector
12 B
L–B
1
1
3
1
FAN NO. 1
Relay
5
2
1
1
B
W–B
M
M+
M–
+B1
1
SI
E1
2
3
A41
No. 2 Cooling
Fan ECU
R–G
W–B
W–B
R–G
A1

### ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A16 | | 52 | A47 | | 57 | B31 | B | 53 |
| A41 | | 52 | A50 | A | 52 | E30 | A | 54 |
| A45 | A | 57 | B3 | | 53 | E58 | | 55 |
| A46 | B | 57 | B13 | | 53 | E62 | A | 56 |

### : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |

### : Junction Block and Wire Harness Connector

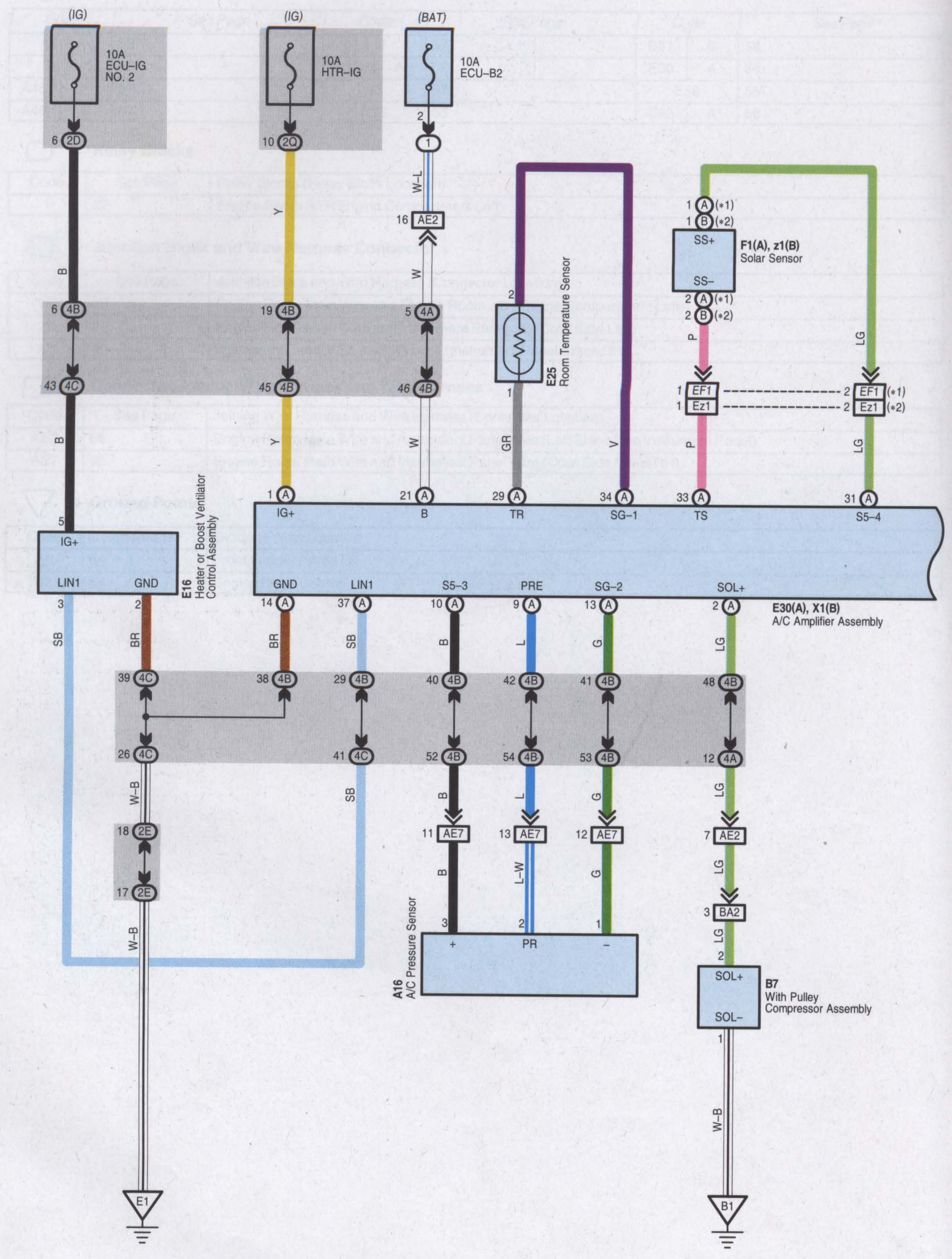
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1C | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 4B | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

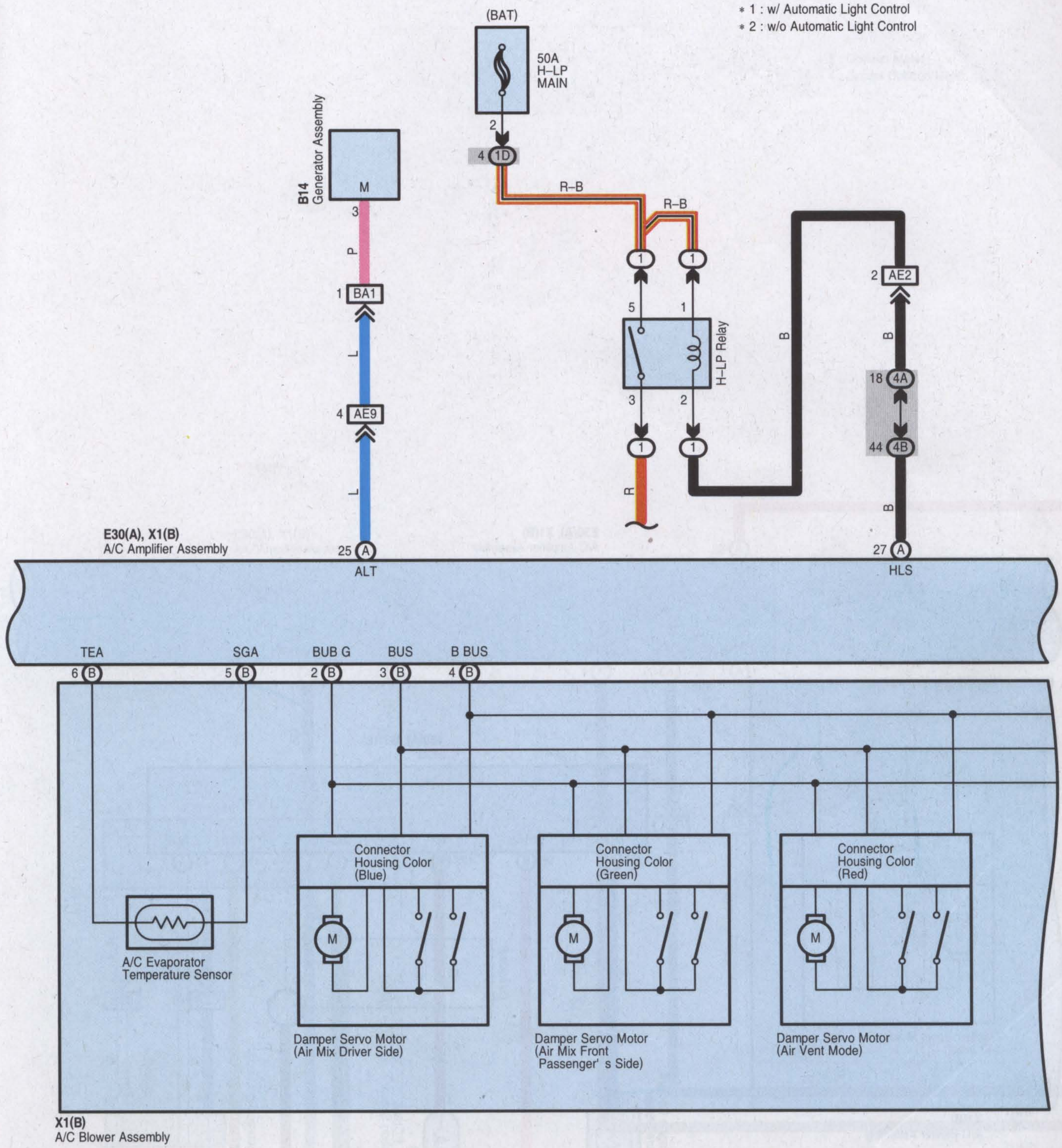
### □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE3 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE7 | 65 | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH) |

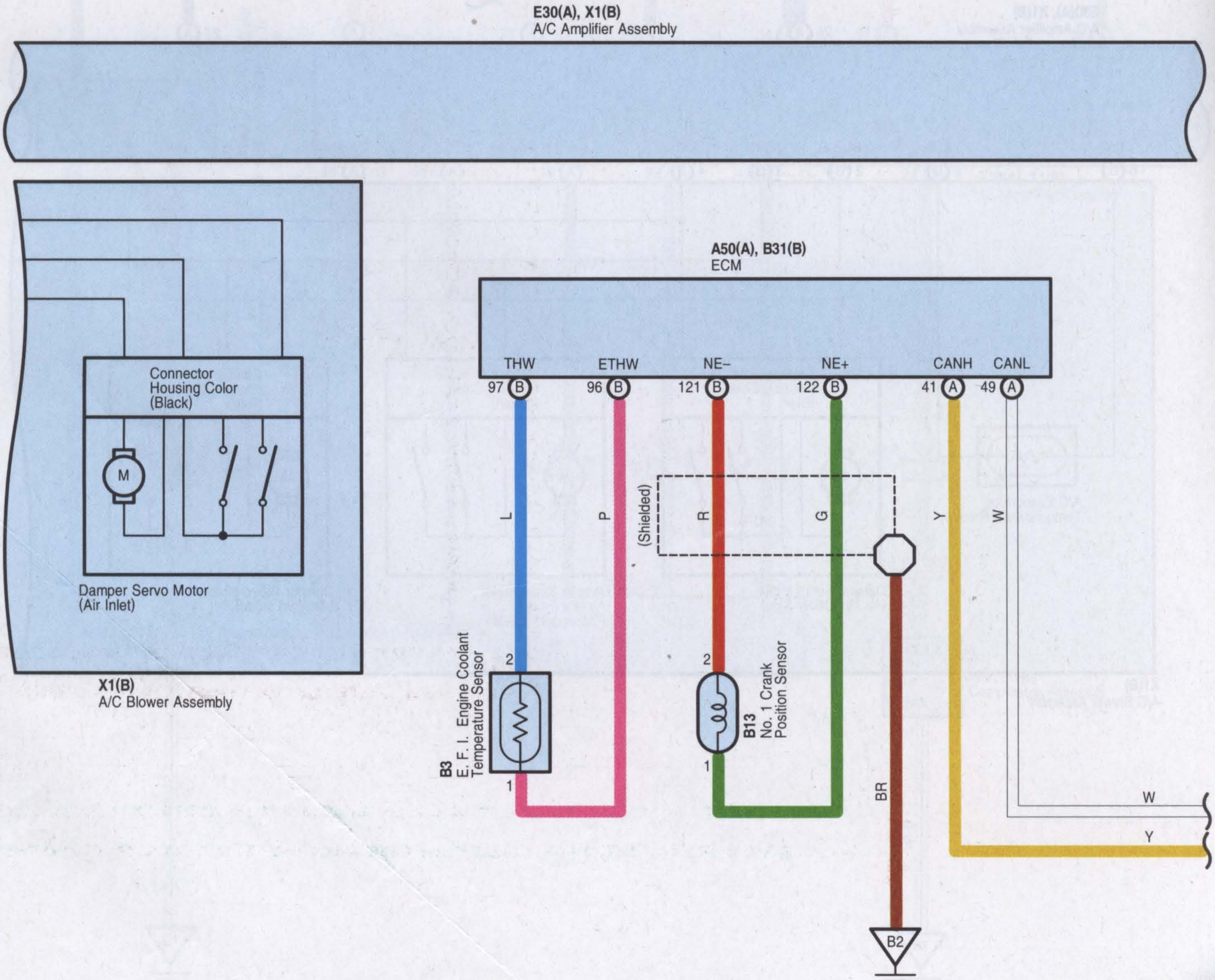
### ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| B2 | 64 | Engine Block Center |

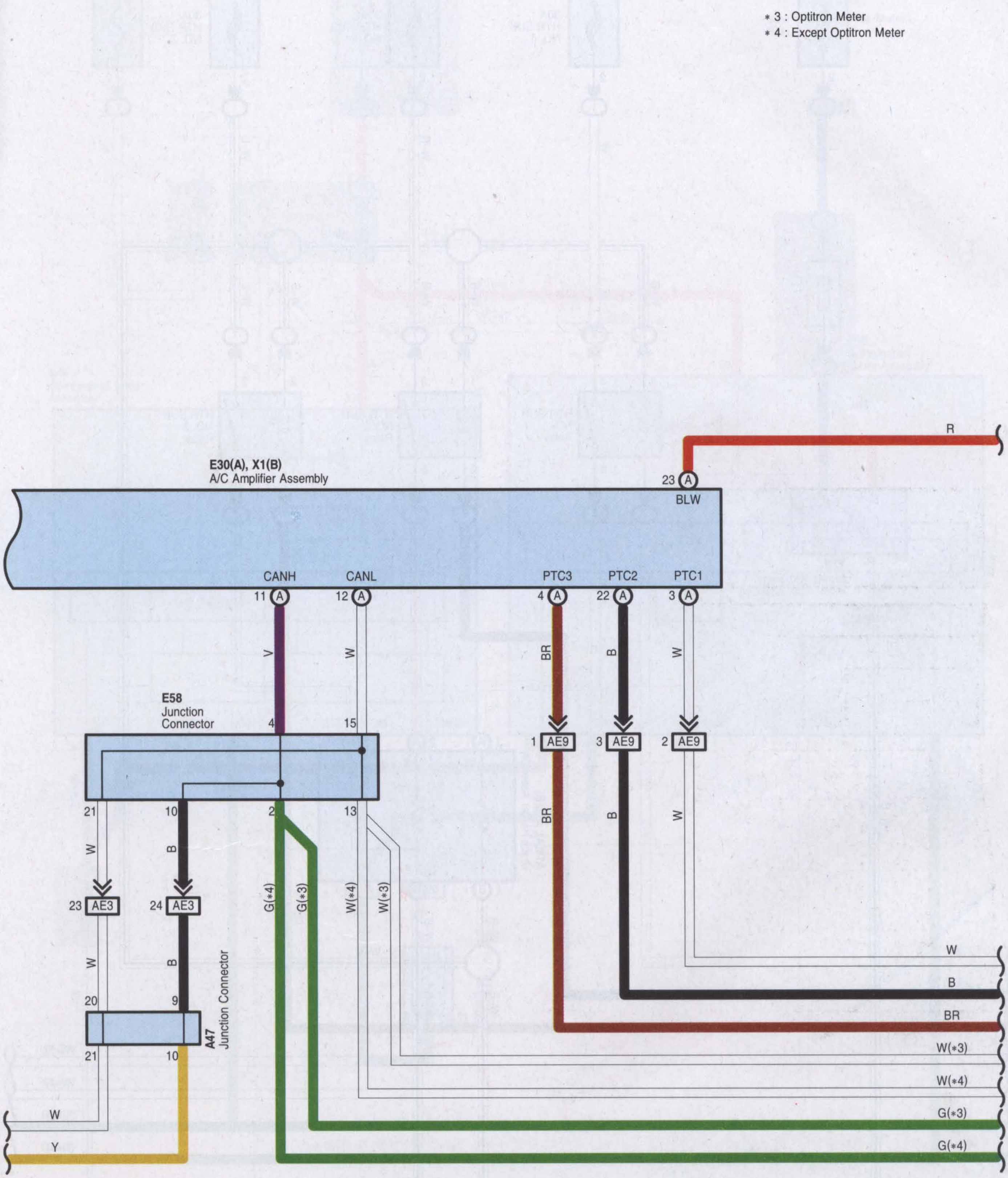

(IG)
10A ECU–IG NO. 2
(IG)
10A HTR–IG
(BAT)
10A ECU–B2
E25 Room Temperature Sensor
F1(A), z1(B) Solar Sensor
SS+
SS–
(*1)
(*2)
EF1
Ez1
E16 Heater or Boost Ventilator Control Assembly
IG+
LIN1
GND
E30(A), X1(B) A/C Amplifier Assembly
IG+
B
TR
SG–1
TS
S5–4
GND
LIN1
S5–3
PRE
SG–2
SOL+
A16 A/C Pressure Sensor
PR
B7 With Pulley Compressor Assembly
SOL+
SOL–
E1
B1



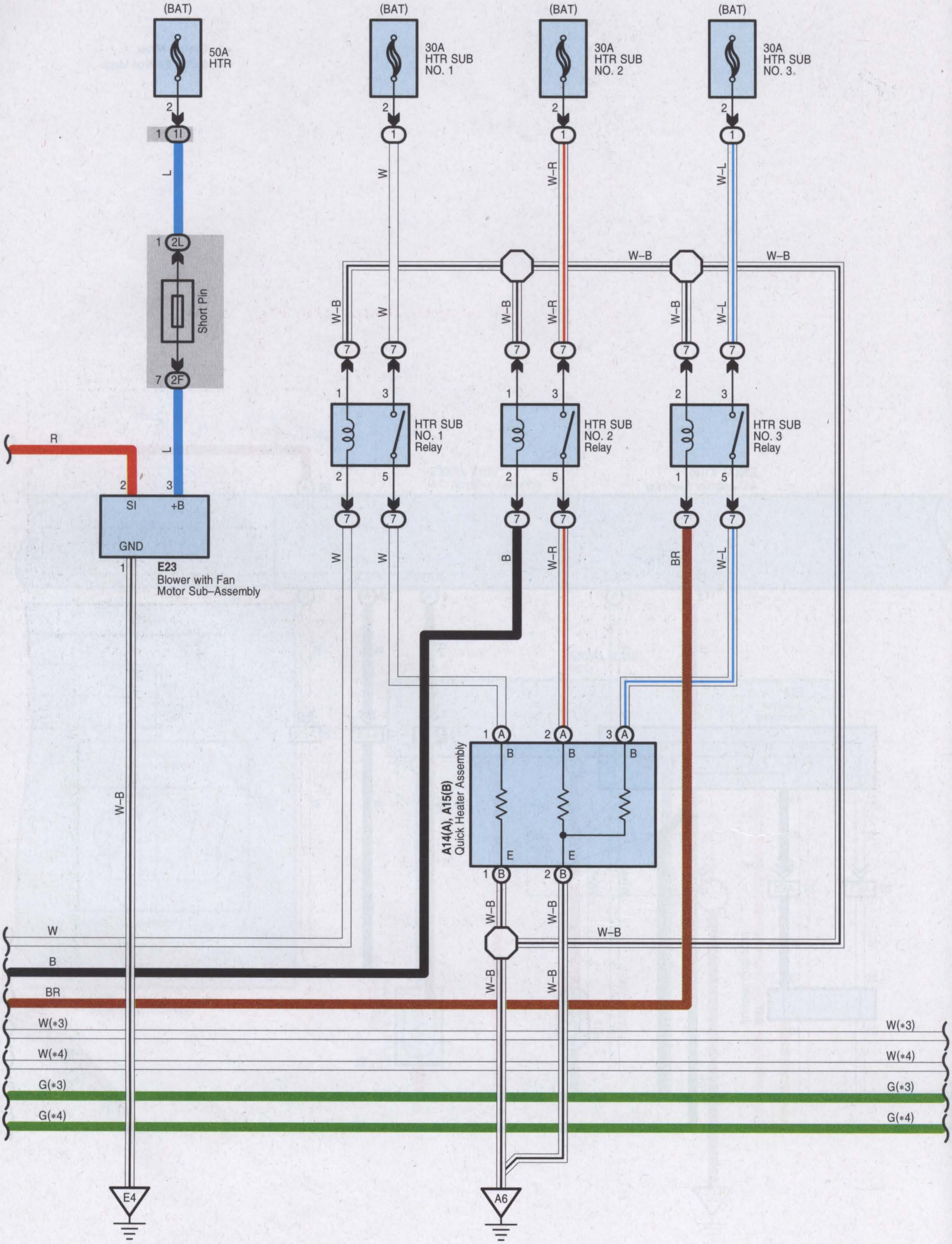
* 1 : w/ Automatic Light Control
* 2 : w/o Automatic Light Control
(BAT)
50A
H-LP
MAIN
2
4 1D
R-B
R-B
B14
Generator Assembly
M
3
P
1 BA1
L
4 AE9
L
1
1
5
1
H-LP Relay
3
2
1
1
R
B
2 AE2
B
18 4A
44 4B
B
E30(A), X1(B)
A/C Amplifier Assembly
25 A
ALT
27 A
HLS
TEA
SGA
BUB G
BUS
B BUS
6 B
5 B
2 B
3 B
4 B
Connector
Housing Color
(Blue)
M
Connector
Housing Color
(Green)
M
Connector
Housing Color
(Red)
M
A/C Evaporator
Temperature Sensor
Damper Servo Motor
(Air Mix Driver Side)
Damper Servo Motor
(Air Mix Front
Passenger' s Side)
Damper Servo Motor
(Air Vent Mode)
X1(B)
A/C Blower Assembly

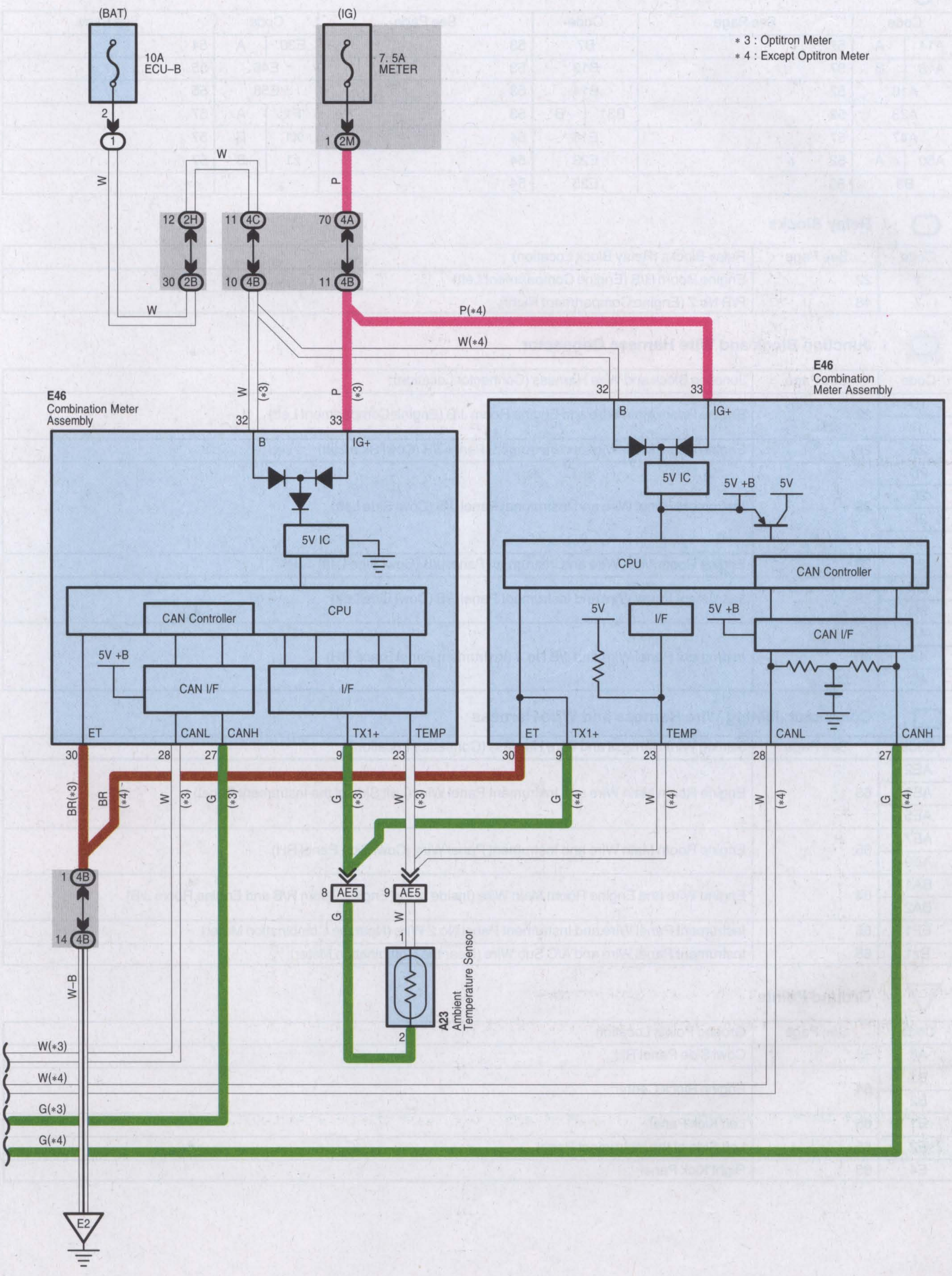


E30(A), X1(B)
A/C Amplifier Assembly
Connector
Housing Color
(Black)
M
Damper Servo Motor
(Air Inlet)
X1(B)
A/C Blower Assembly
A50(A), B31(B)
ECM
THW
ETHW
NE–
NE+
CANH
CANL
97 B
96 B
121 B
122 B
41 A
49 A
L
P
R
G
Y
W
(Shielded)
2
1
B3
E. F. I. Engine Coolant
Temperature Sensor
B13
No. 1 Crank
Position Sensor
BR
B2



* 3 : Optitron Meter
* 4 : Except Optitron Meter
E30(A), X1(B)
A/C Amplifier Assembly
23 A
BLW
R
CANH
CANL
PTC3
PTC2
PTC1
11 A
12 A
4 A
22 A
3 A
V
W
BR
B
W
E58
Junction Connector
4
15
1 AE9
3 AE9
2 AE9
21
10
2
13
23 AE3
24 AE3
G(*4)
G(*3)
W(*4)
W(*3)
20
9
A47
Junction Connector
21
10
W
Y
W
B
BR
W(*3)
W(*4)
G(*3)
G(*4)


(BAT)
50A
HTR
(BAT)
30A
HTR SUB
NO. 1
(BAT)
30A
HTR SUB
NO. 2
(BAT)
30A
HTR SUB
NO. 3
Short Pin
HTR SUB
NO. 1
Relay
HTR SUB
NO. 2
Relay
HTR SUB
NO. 3
Relay
SI
+B
GND
E23
Blower with Fan
Motor Sub-Assembly
A14(A), A15(B)
Quick Heater Assembly
W
B
BR
W(*3)
W(*4)
G(*3)
G(*4)
W-B
W-R
W-L
E4
A6


(BAT)
10A
ECU–B
(IG)
7. 5A
METER
∗ 3 : Optitron Meter
∗ 4 : Except Optitron Meter
E46
Combination Meter Assembly
B
IG+
5V IC
CPU
CAN Controller
CAN I/F
I/F
5V +B
5V
ET
CANL
CANH
TX1+
TEMP
AE5
A23
Ambient Temperature Sensor
W(∗3)
W(∗4)
G(∗3)
G(∗4)
P(∗4)
W(∗4)
BR(∗3)
W–B
E2

# 空调(自动空调)

## ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A14 | A | 57 | B7 | | 53 | E30 | A | 54 |
| A15 | B | 57 | B13 | | 53 | E46 | | 55 |
| A16 | | 52 | B14 | | 53 | E58 | | 55 |
| A23 | | 52 | B31 | B | 53 | F1 | A | 57 |
| A47 | | 57 | E16 | | 54 | X1 | B | 57 |
| A50 | A | 52 | E23 | | 54 | z1 | B | 57 |
| B3 | | 53 | E25 | | 54 | | | |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |
| 7 | 48 | R/B No.7 (Engine Compartment Right) |

## : Junction Block and Wire Harness Connector

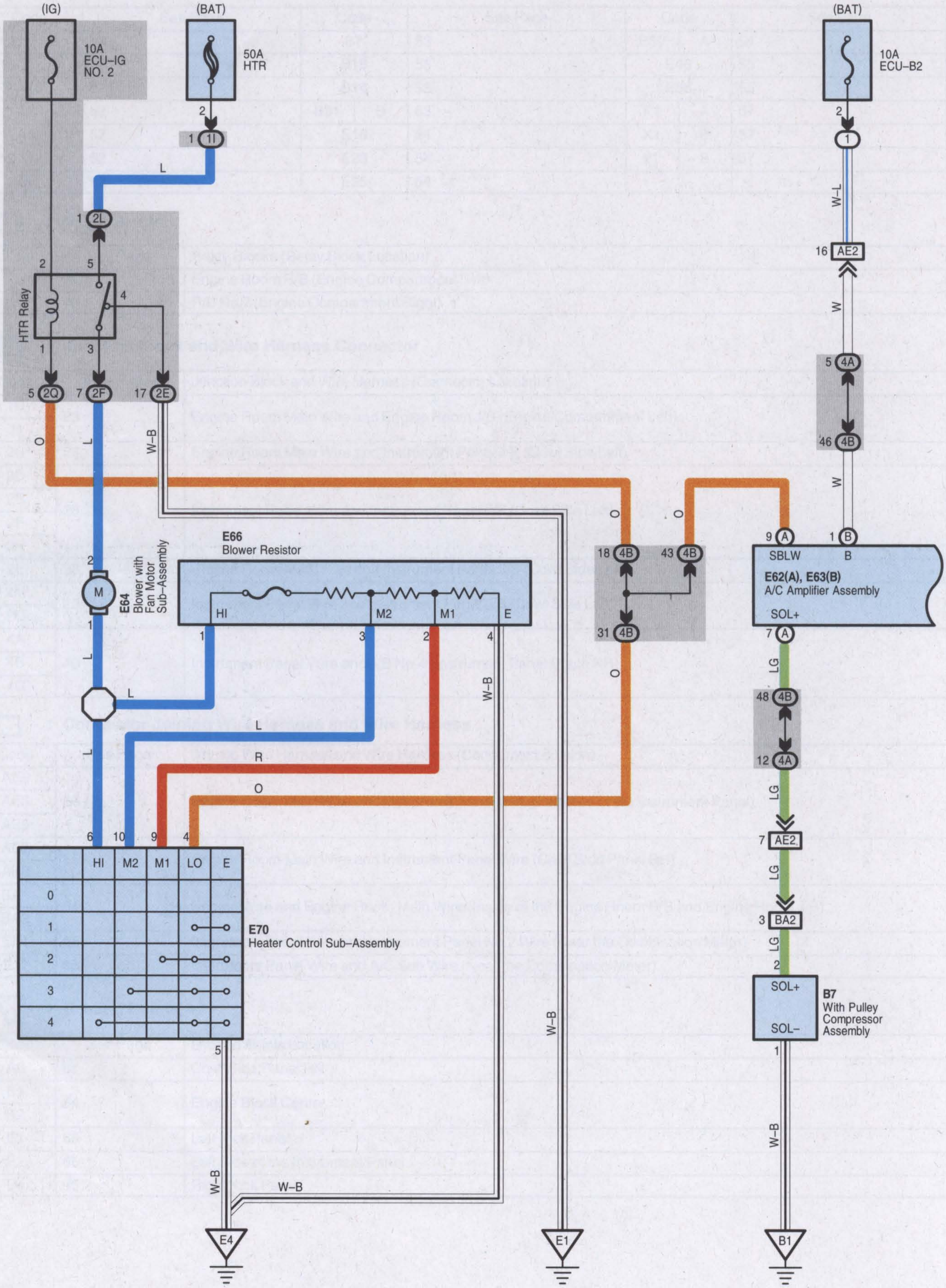
| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1D<br>1I | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 2B | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2D<br>2E<br>2F<br>2H | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2L | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M<br>2Q | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 4A<br>4B<br>4C | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |

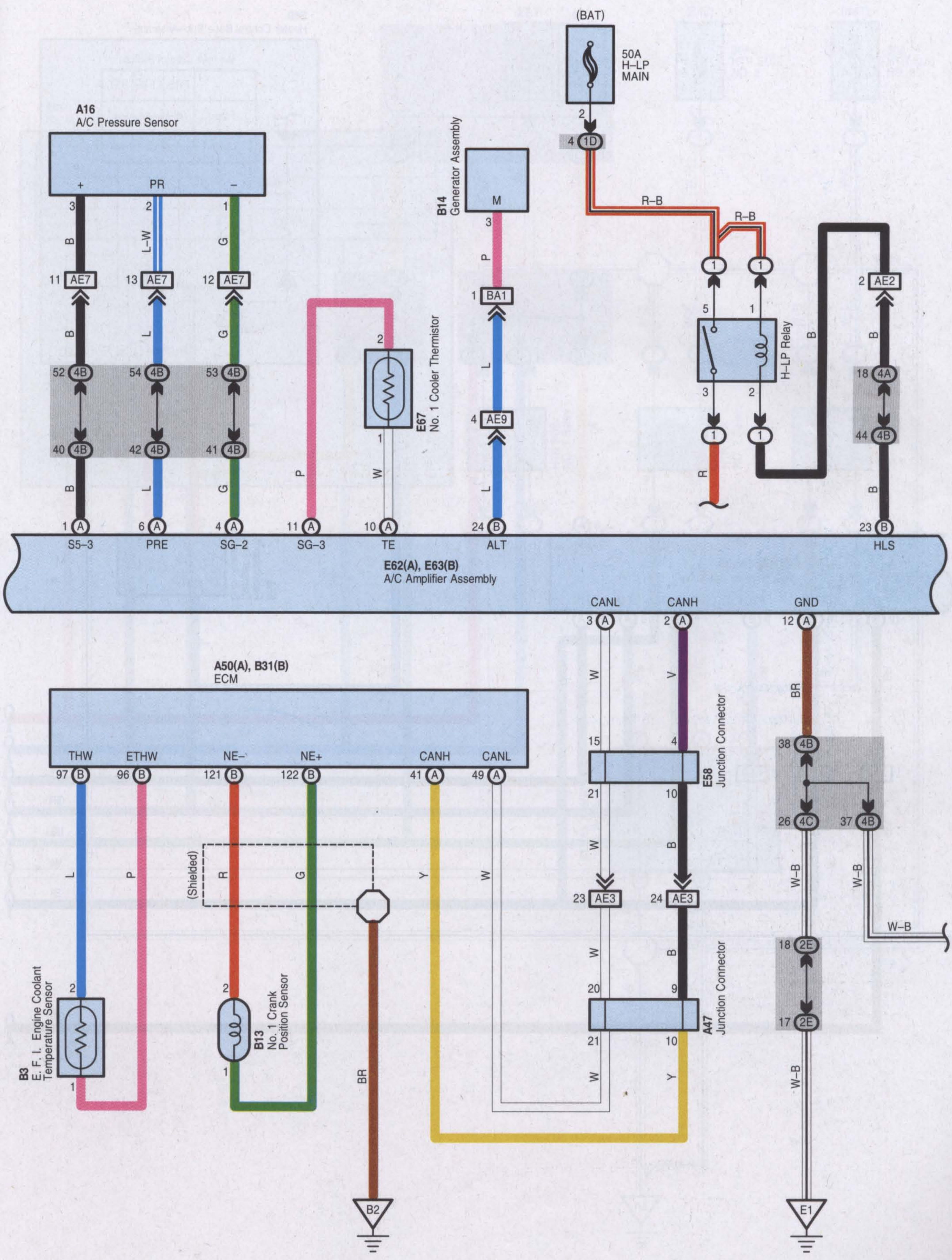
## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2<br>AE3<br>AE5 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE7<br>AE9 | 65 | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH) |
| BA1<br>BA2 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| EF1 | 65 | Instrument Panel Wire and Instrument Panel No.2 Wire (Near the Combination Meter) |
| Ez1 | 65 | Instrument Panel Wire and A/C Sub Wire (Near the Combination Meter) |

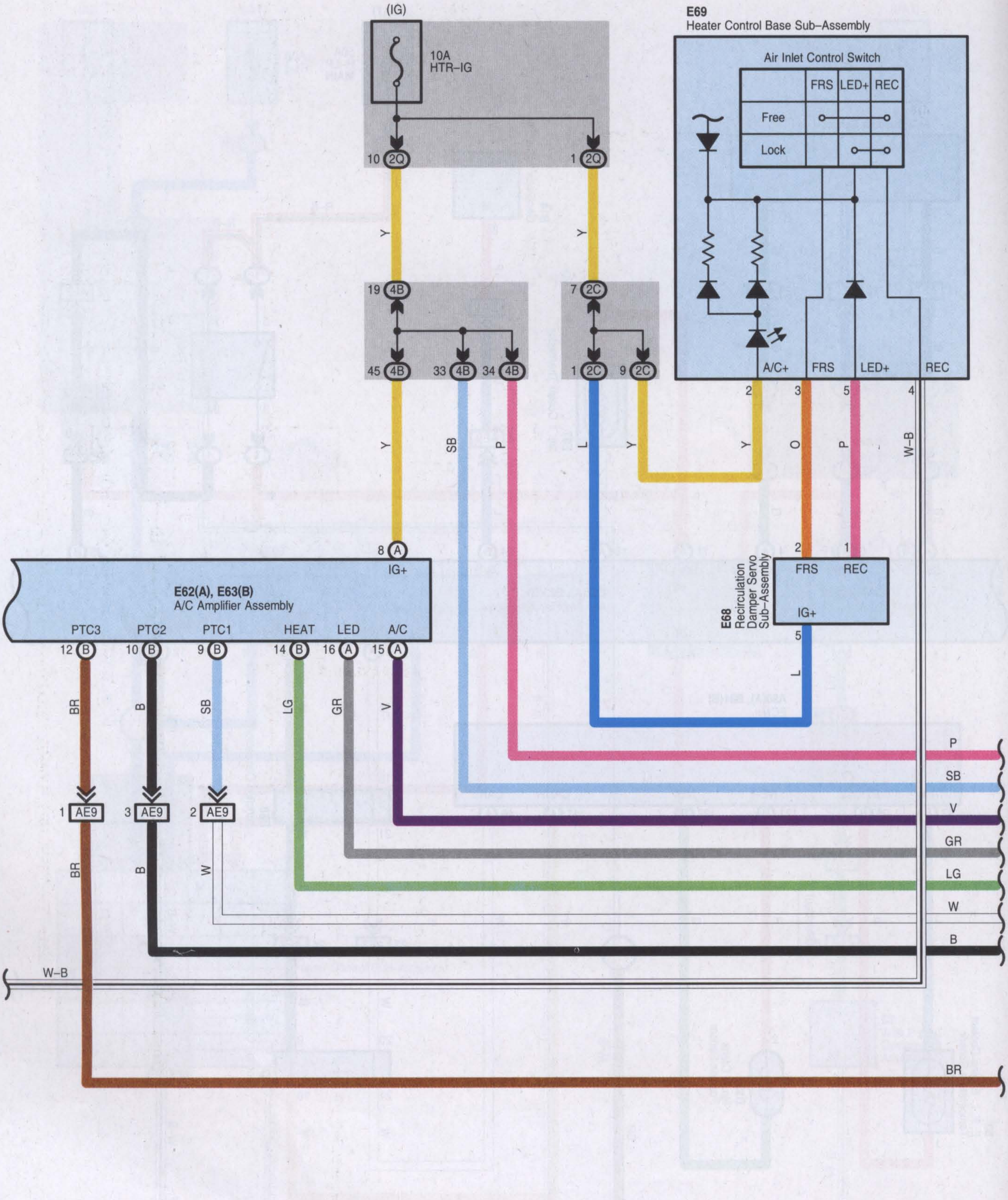
## ▽ : Ground Points

| Code | See Page | Ground Points Location |
|---|---|---|
| A6 | 65 | Cowl Side Panel RH |
| B1<br>B2 | 64 | Engine Block Center |
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |
| E4 | 65 | Right Kick Panel |

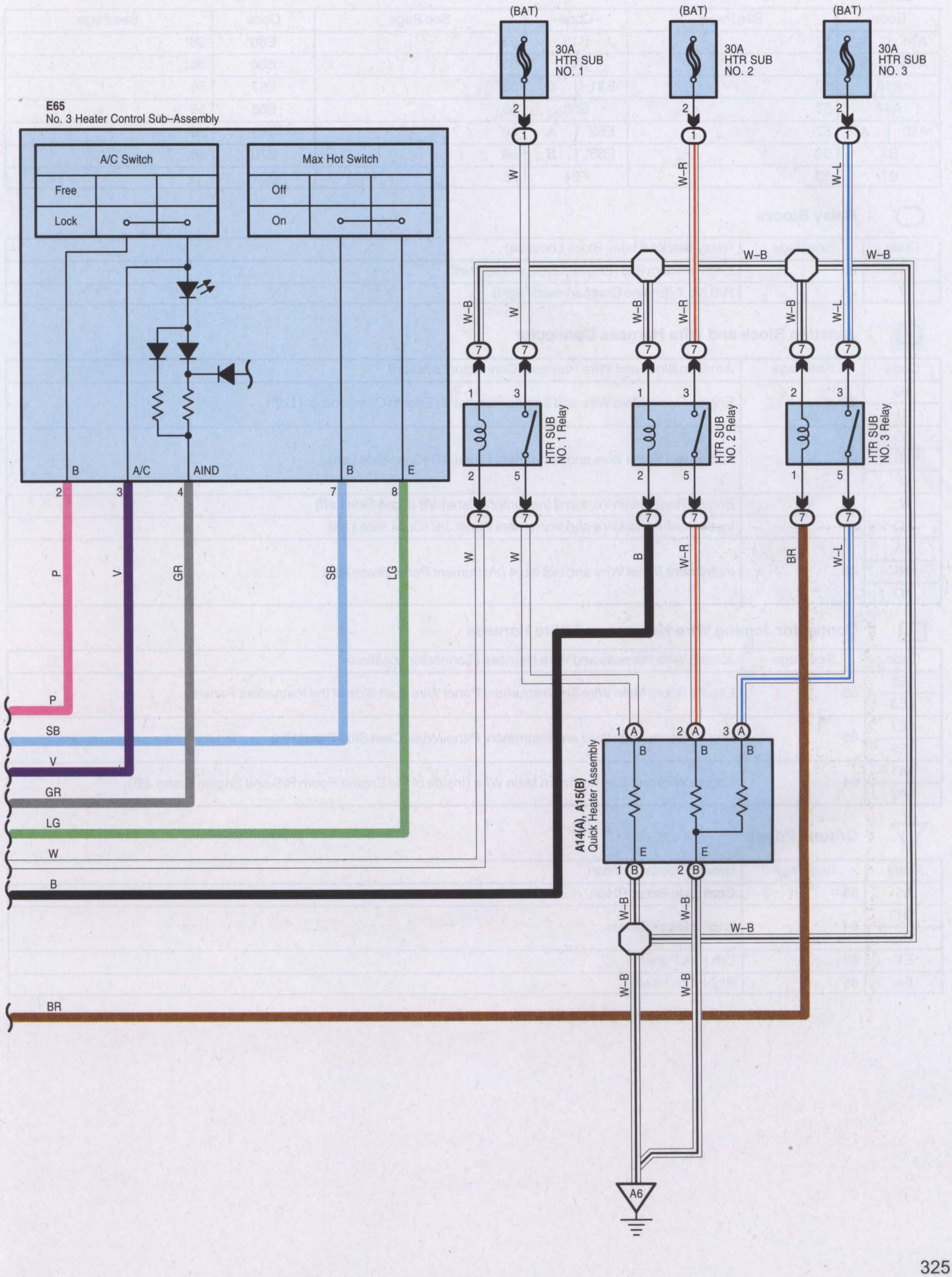

(IG)
10A
ECU–IG
NO. 2
(BAT)
50A
HTR
(BAT)
10A
ECU–B2
HTR Relay
E64
Blower with
Fan Motor
Sub–Assembly
E66
Blower Resistor
HI
M2
M1
E
E62(A), E63(B)
A/C Amplifier Assembly
SBLW
B
SOL+
E70
Heater Control Sub–Assembly
HI
M2
M1
LO
E
0
1
2
3
4
B7
With Pulley
Compressor
Assembly
SOL+
SOL–
W–L
W
LG
W–B
L
O
R
AE2
4A
4B
BA2
2Q
2F
2E
2L
1I
E4
E1
B1



(BAT)
50A
H–LP
MAIN
A16
A/C Pressure Sensor
PR
B14
Generator Assembly
M
E67
No. 1 Cooler Thermistor
H–LP Relay
R–B
S5–3
PRE
SG–2
SG–3
TE
ALT
HLS
E62(A), E63(B)
A/C Amplifier Assembly
CANL
CANH
GND
A50(A), B31(B)
ECM
THW
ETHW
NE–
NE+
(Shielded)
E58
Junction Connector
A47
Junction Connector
B3
E. F. I. Engine Coolant Temperature Sensor
B13
No. 1 Crank Position Sensor
W–B
B2
E1



(IG)
10A
HTR–IG
10 2Q
1 2Q
Y
19 4B
7 2C
45 4B
33 4B
34 4B
1 2C
9 2C
E69
Heater Control Base Sub–Assembly
Air Inlet Control Switch
FRS
LED+
REC
Free
Lock
A/C+
FRS
LED+
REC
2
3
5
4
SB
P
L
O
W–B
8 A
IG+
E62(A), E63(B)
A/C Amplifier Assembly
PTC3
PTC2
PTC1
HEAT
LED
A/C
12 B
10 B
9 B
14 B
16 A
15 A
BR
B
SB
LG
GR
V
E68
Recirculation
Damper Servo
Sub–Assembly
FRS
REC
IG+
5
1 AE9
3 AE9
2 AE9
W
W–B



(BAT)
30A HTR SUB NO. 1
30A HTR SUB NO. 2
30A HTR SUB NO. 3
E65
No. 3 Heater Control Sub–Assembly
A/C Switch
Free
Lock
Max Hot Switch
Off
On
B
A/C
AIND
B
E
HTR SUB NO. 1 Relay
HTR SUB NO. 2 Relay
HTR SUB NO. 3 Relay
W–B
W
W–R
W–L
B
BR
P
V
GR
SB
LG
A14(A), A15(B)
Quick Heater Assembly
A6

○ : **Parts Location**

| Code | | See Page | Code | | See Page | Code | See Page |
|---|---|---|---|---|---|---|---|
| A14 | A | 57 | B13 | | 53 | E65 | 56 |
| A15 | B | 57 | B14 | | 53 | E66 | 56 |
| A16 | | 52 | B31 | B | 53 | E67 | 56 |
| A47 | | 57 | E58 | | 55 | E68 | 56 |
| A50 | A | 52 | E62 | A | 56 | E69 | 56 |
| B3 | | 53 | E63 | B | 56 | E70 | 56 |
| B7 | | 53 | E64 | | 56 | | |

▢ : **Relay Blocks**

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |
| 7 | 48 | R/B No.7 (Engine Compartment Right) |

▢ : **Junction Block and Wire Harness Connector**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1D | 23 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 1I | | |
| 2C | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | | |
| 2F | | |
| 2L | 28 | Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left) |
| 2Q | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

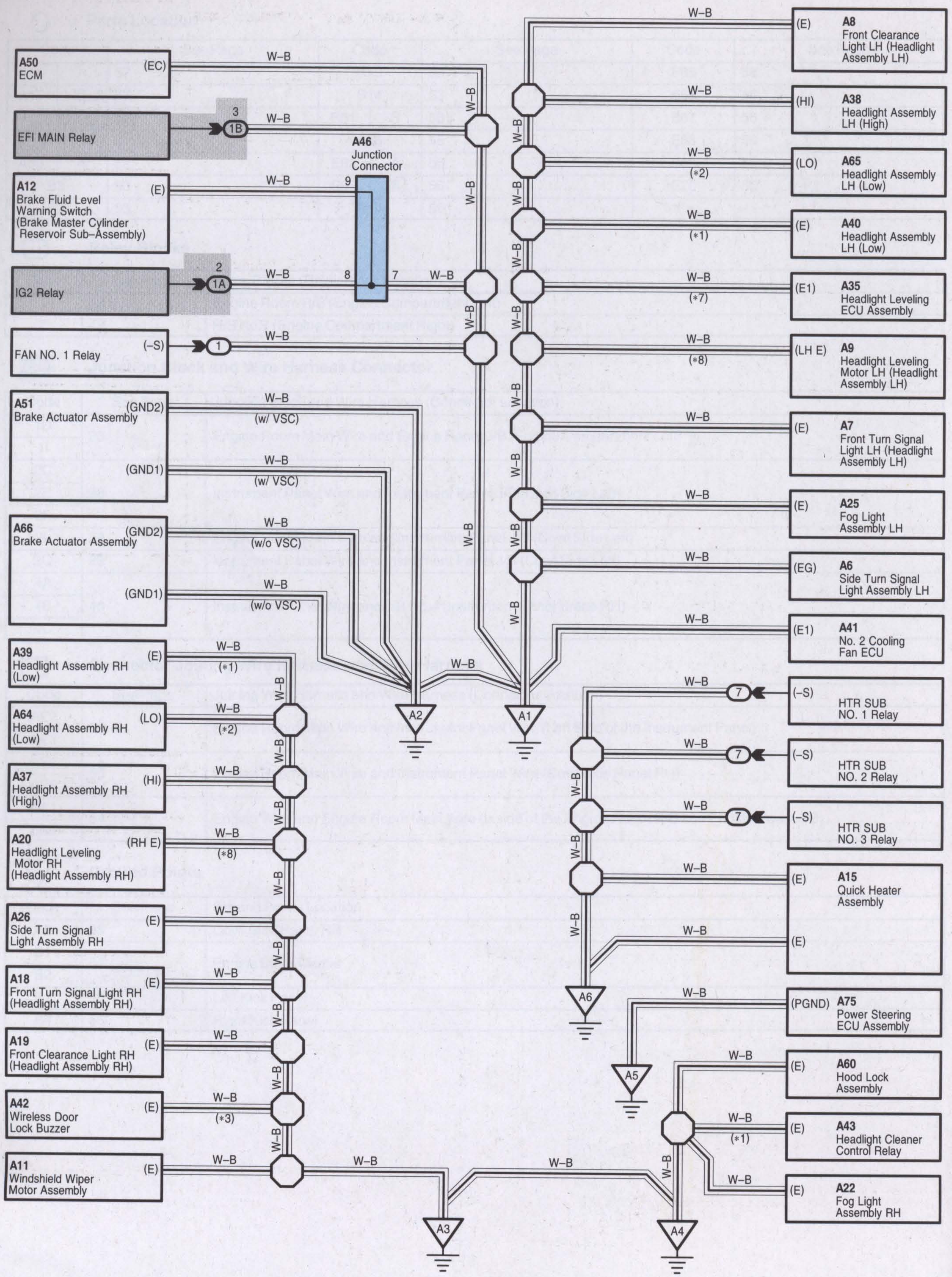
□ : **Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE3 | | |
| AE7 | 65 | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH) |
| AE9 | | |
| BA1 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| BA2 | | |

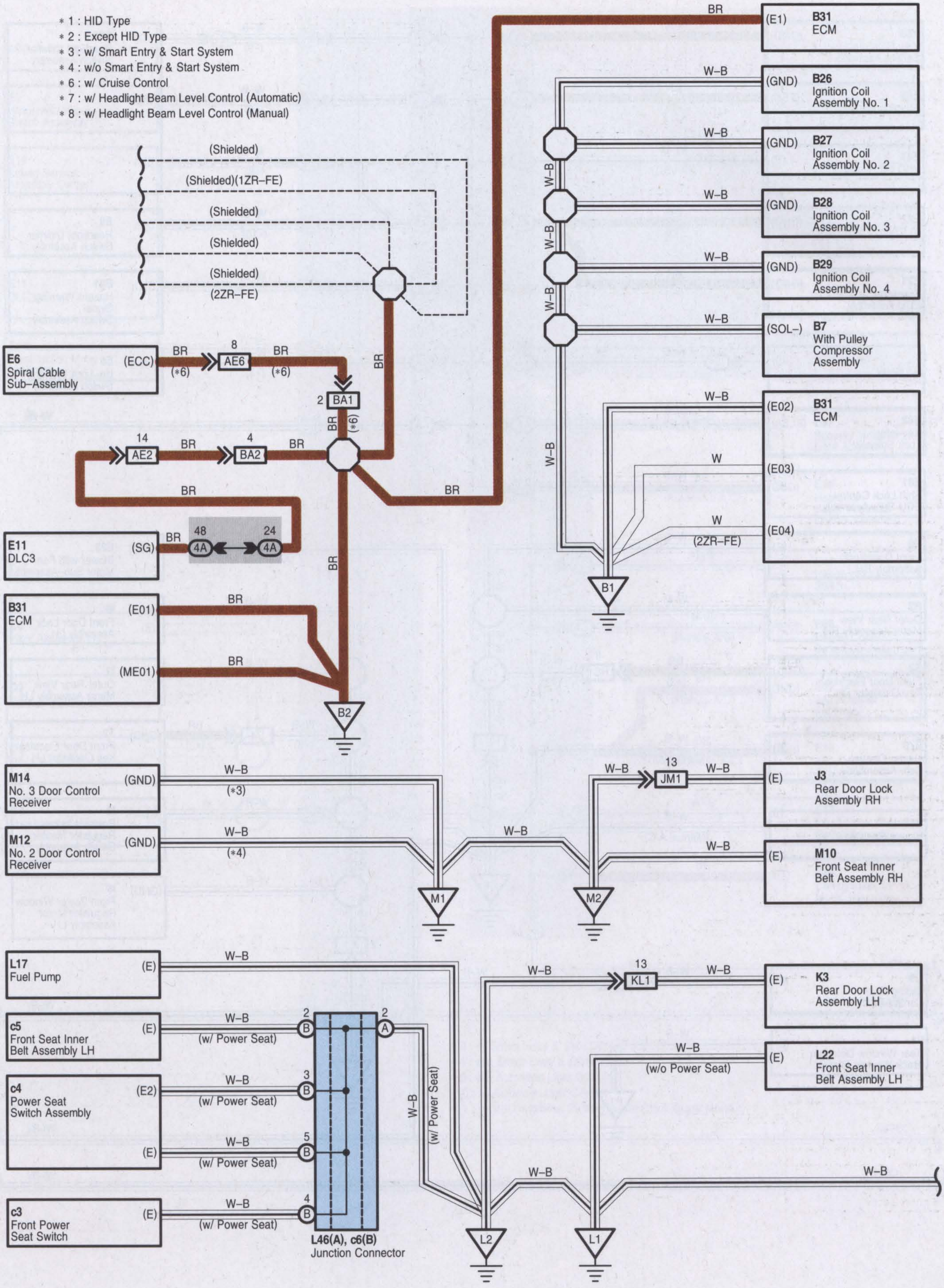
▽ : **Ground Points**

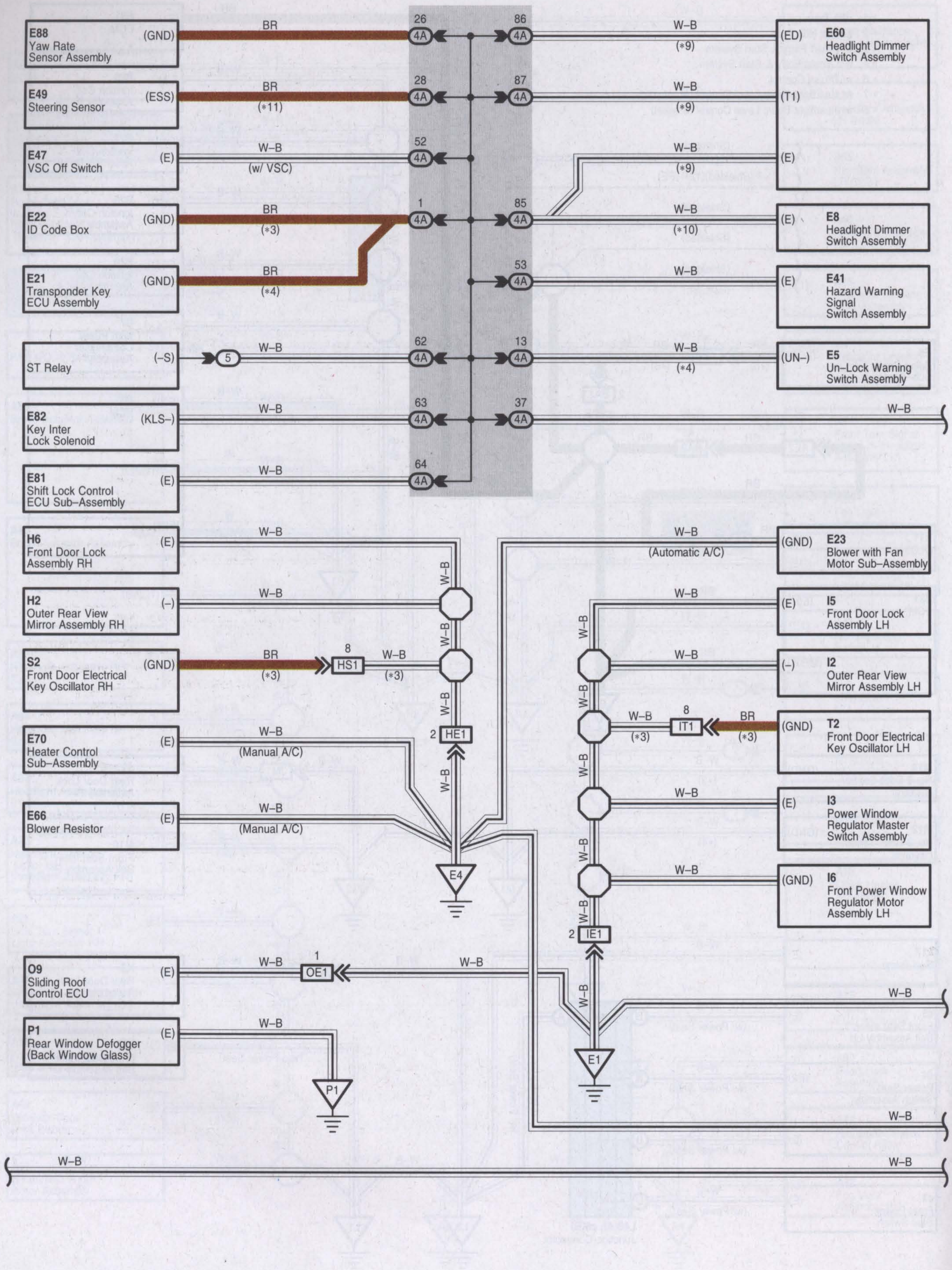
| Code | See Page | Ground Points Location |
|---|---|---|
| A6 | 65 | Cowl Side Panel RH |
| B1 | 64 | Engine Block Center |
| B2 | | |
| E1 | 65 | Left Kick Panel |
| E4 | 65 | Right Kick Panel |

# I 搭铁点

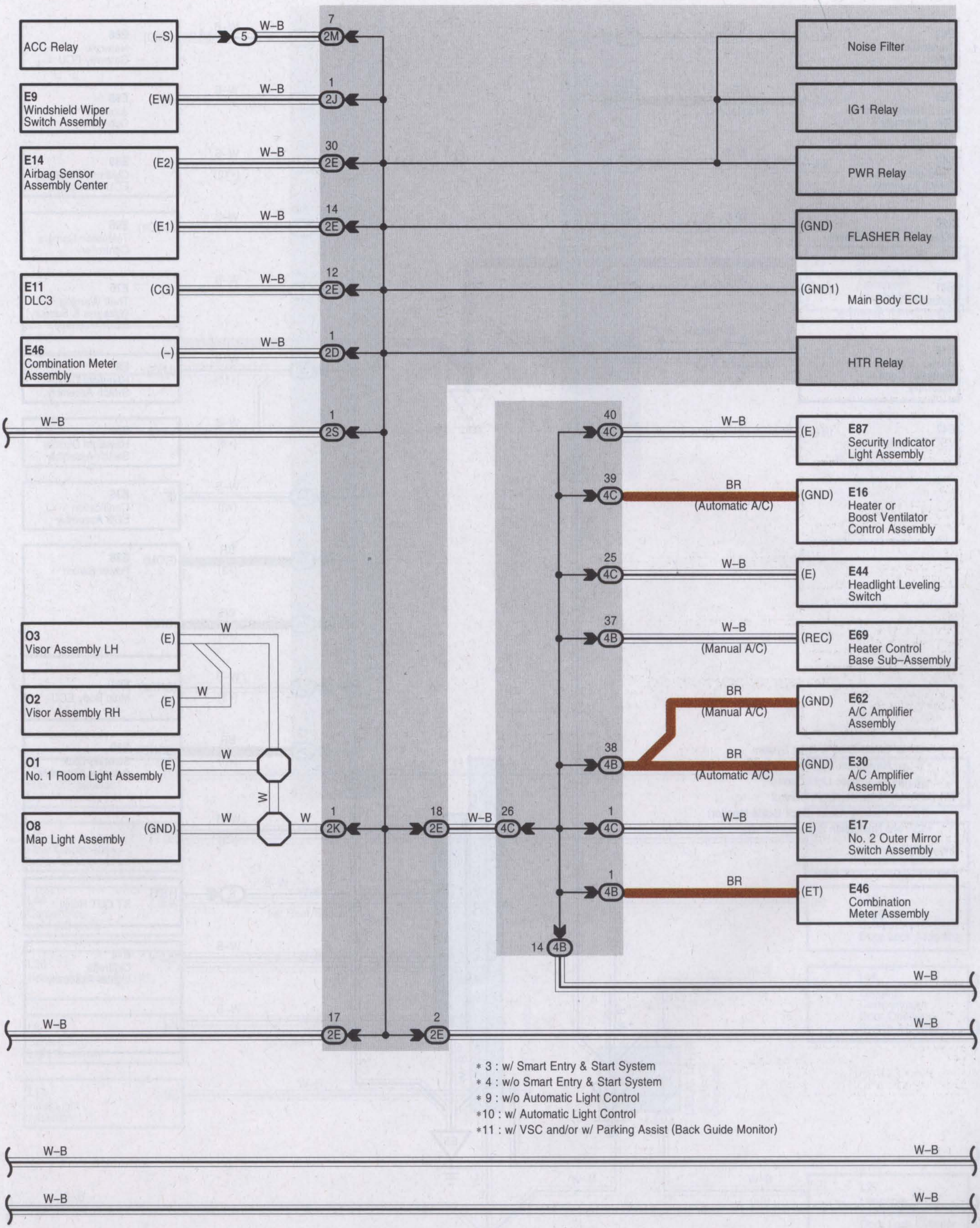


A50 ECM (EC)
EFI MAIN Relay
3 1B
A46 Junction Connector
9
8
7
A12 Brake Fluid Level Warning Switch (Brake Master Cylinder Reservoir Sub-Assembly) (E)
IG2 Relay
2 1A
FAN NO. 1 Relay (–S)
1
A51 Brake Actuator Assembly (GND2) (GND1)
(w/ VSC)
A66 Brake Actuator Assembly (GND2) (GND1)
(w/o VSC)
A39 Headlight Assembly RH (Low) (E)
A64 Headlight Assembly RH (Low) (LO)
A37 Headlight Assembly RH (High) (HI)
A20 Headlight Leveling Motor RH (Headlight Assembly RH) (RH E)
A26 Side Turn Signal Light Assembly RH (E)
A18 Front Turn Signal Light RH (Headlight Assembly RH) (E)
A19 Front Clearance Light RH (Headlight Assembly RH) (E)
A42 Wireless Door Lock Buzzer (E)
A11 Windshield Wiper Motor Assembly (E)
W–B
(*1)
(*2)
(*3)
(*7)
(*8)
A1
A2
A3
A4
A5
A6
A8 Front Clearance Light LH (Headlight Assembly LH) (E)
A38 Headlight Assembly LH (High) (HI)
A65 Headlight Assembly LH (Low) (LO)
A40 Headlight Assembly LH (Low) (E)
A35 Headlight Leveling ECU Assembly (E1)
A9 Headlight Leveling Motor LH (Headlight Assembly LH) (LH E)
A7 Front Turn Signal Light LH (Headlight Assembly LH) (E)
A25 Fog Light Assembly LH (E)
A6 Side Turn Signal Light Assembly LH (EG)
A41 No. 2 Cooling Fan ECU (E1)
HTR SUB NO. 1 Relay (–S)
HTR SUB NO. 2 Relay (–S)
HTR SUB NO. 3 Relay (–S)
7
A15 Quick Heater Assembly (E) (E)
A75 Power Steering ECU Assembly (PGND)
A60 Hood Lock Assembly (E)
A43 Headlight Cleaner Control Relay (E)
A22 Fog Light Assembly RH (E)


* 1 : HID Type
* 2 : Except HID Type
* 3 : w/ Smart Entry & Start System
* 4 : w/o Smart Entry & Start System
* 6 : w/ Cruise Control
* 7 : w/ Headlight Beam Level Control (Automatic)
* 8 : w/ Headlight Beam Level Control (Manual)
(Shielded)
(Shielded)(1ZR–FE)
(Shielded)
(Shielded)
(Shielded)
(2ZR–FE)
BR
(E1)
B31
ECM
W–B
(GND)
B26
Ignition Coil Assembly No. 1
W–B
(GND)
B27
Ignition Coil Assembly No. 2
W–B
(GND)
B28
Ignition Coil Assembly No. 3
W–B
(GND)
B29
Ignition Coil Assembly No. 4
W–B
(SOL–)
B7
With Pulley Compressor Assembly
W–B
(E02)
B31
ECM
W
(E03)
W
(2ZR–FE)
(E04)
B1
E6
Spiral Cable Sub–Assembly
(ECC)
BR
(*6)
8
AE6
BR
(*6)
BR
2
BA1
BR
(*6)
14
AE2
BR
4
BA2
BR
BR
BR
E11
DLC3
(SG)
BR
48
4A
24
4A
BR
B31
ECM
(E01)
BR
(ME01)
BR
B2
M14
No. 3 Door Control Receiver
(GND)
W–B
(*3)
M12
No. 2 Door Control Receiver
(GND)
W–B
(*4)
W–B
M1
W–B
13
JM1
W–B
(E)
J3
Rear Door Lock Assembly RH
W–B
(E)
M10
Front Seat Inner Belt Assembly RH
M2
L17
Fuel Pump
(E)
W–B
W–B
13
KL1
W–B
(E)
K3
Rear Door Lock Assembly LH
c5
Front Seat Inner Belt Assembly LH
(E)
W–B
(w/ Power Seat)
2
B
2
A
W–B
(w/o Power Seat)
(E)
L22
Front Seat Inner Belt Assembly LH
c4
Power Seat Switch Assembly
(E2)
W–B
(w/ Power Seat)
3
B
(E)
W–B
(w/ Power Seat)
5
B
W–B
(w/ Power Seat)
W–B
W–B
c3
Front Power Seat Switch
(E)
W–B
(w/ Power Seat)
4
B
L46(A), c6(B)
Junction Connector
L2
L1

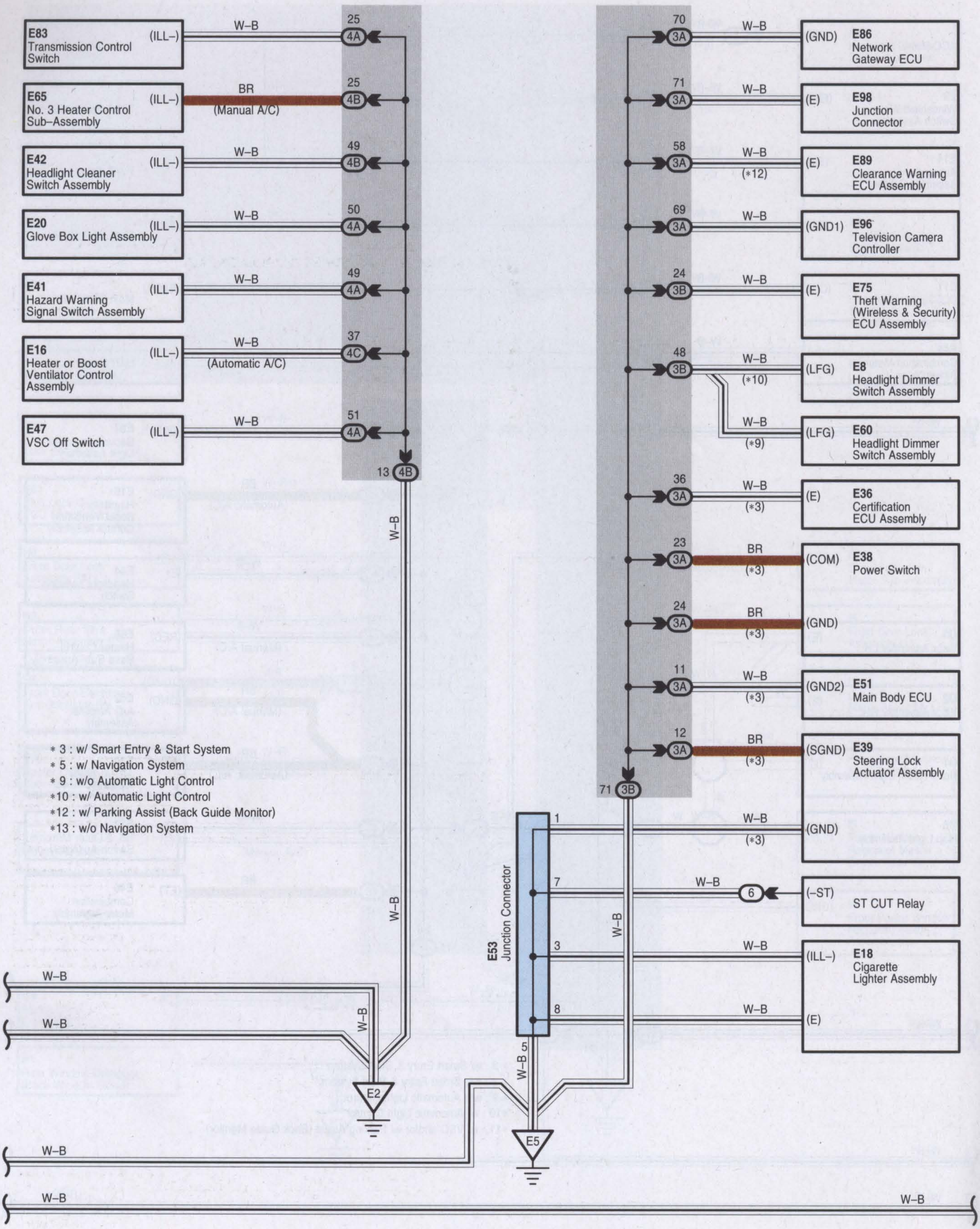


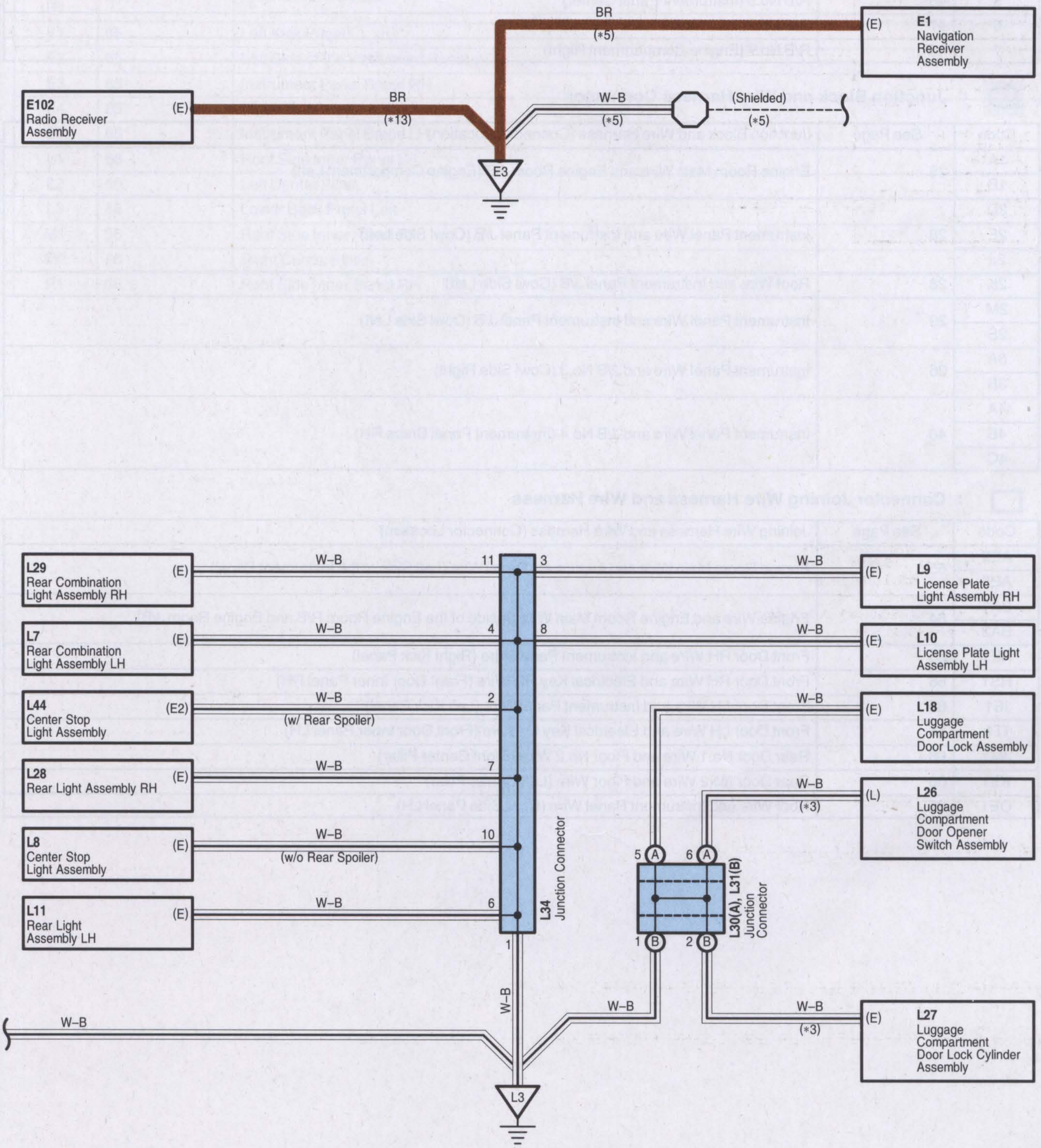
E88 Yaw Rate Sensor Assembly (GND)
BR
E49 Steering Sensor (ESS)
BR (*11)
E47 VSC Off Switch (E)
W-B (w/ VSC)
E22 ID Code Box (GND)
BR (*3)
E21 Transponder Key ECU Assembly (GND)
BR (*4)
ST Relay (-S)
5
W-B
E82 Key Inter Lock Solenoid (KLS-)
W-B
E81 Shift Lock Control ECU Sub-Assembly (E)
W-B
26 4A
28 4A
52 4A
1 4A
62 4A
63 4A
64 4A
86 4A
87 4A
85 4A
53 4A
13 4A
37 4A
E60 Headlight Dimmer Switch Assembly (ED) (T1) (E)
W-B (*9)
E8 Headlight Dimmer Switch Assembly (E)
W-B (*10)
E41 Hazard Warning Signal Switch Assembly (E)
W-B
E5 Un-Lock Warning Switch Assembly (UN-)
W-B (*4)
H6 Front Door Lock Assembly RH (E)
H2 Outer Rear View Mirror Assembly RH (-)
S2 Front Door Electrical Key Oscillator RH (GND)
BR (*3)
8 HS1
W-B (*3)
E70 Heater Control Sub-Assembly (E)
W-B (Manual A/C)
E66 Blower Resistor (E)
W-B (Manual A/C)
2 HE1
E4
E23 Blower with Fan Motor Sub-Assembly (GND)
W-B (Automatic A/C)
I5 Front Door Lock Assembly LH (E)
I2 Outer Rear View Mirror Assembly LH (-)
T2 Front Door Electrical Key Oscillator LH (GND)
BR (*3)
8 IT1
W-B (*3)
I3 Power Window Regulator Master Switch Assembly (E)
I6 Front Power Window Regulator Motor Assembly LH (GND)
2 IE1
E1
O9 Sliding Roof Control ECU (E)
W-B
1 OE1
W-B
P1 Rear Window Defogger (Back Window Glass) (E)
W-B
P1
W-B




∗3 : w/ Smart Entry & Start System
∗4 : w/o Smart Entry & Start System
∗9 : w/o Automatic Light Control
∗10 : w/ Automatic Light Control
∗11 : w/ VSC and/or w/ Parking Assist (Back Guide Monitor)

## I 搭铁点


E83
Transmission Control Switch
(ILL–)
W–B
25 4A
E65
No. 3 Heater Control Sub–Assembly
(ILL–)
BR
(Manual A/C)
25 4B
E42
Headlight Cleaner Switch Assembly
(ILL–)
W–B
49 4B
E20
Glove Box Light Assembly
(ILL–)
W–B
50 4A
E41
Hazard Warning Signal Switch Assembly
(ILL–)
W–B
49 4A
E16
Heater or Boost Ventilator Control Assembly
(ILL–)
W–B
(Automatic A/C)
37 4C
E47
VSC Off Switch
(ILL–)
W–B
51 4A
13 4B
W–B
70 3A
W–B
(GND)
E86
Network Gateway ECU
71 3A
W–B
(E)
E98
Junction Connector
58 3A
W–B
(*12)
(E)
E89
Clearance Warning ECU Assembly
69 3A
W–B
(GND1)
E96
Television Camera Controller
24 3B
W–B
(E)
E75
Theft Warning (Wireless & Security) ECU Assembly
48 3B
W–B
(*10)
(LFG)
E8
Headlight Dimmer Switch Assembly
W–B
(*9)
(LFG)
E60
Headlight Dimmer Switch Assembly
36 3A
W–B
(*3)
(E)
E36
Certification ECU Assembly
23 3A
BR
(*3)
(COM)
E38
Power Switch
24 3A
BR
(*3)
(GND)
11 3A
W–B
(*3)
(GND2)
E51
Main Body ECU
12 3A
BR
(*3)
(SGND)
E39
Steering Lock Actuator Assembly
71 3B
1
W–B
(*3)
(GND)
7
W–B
6
(–ST)
ST CUT Relay
3
W–B
(ILL–)
E18
Cigarette Lighter Assembly
8
W–B
(E)
E53
Junction Connector
5
W–B
W–B
W–B
W–B
W–B
W–B
W–B
W–B
E2
E5
* 3 : w/ Smart Entry & Start System
* 5 : w/ Navigation System
* 9 : w/o Automatic Light Control
*10 : w/ Automatic Light Control
*12 : w/ Parking Assist (Back Guide Monitor)
*13 : w/o Navigation System


BR
(*5)
E1
Navigation Receiver Assembly
(E)
E102
Radio Receiver Assembly
(E)
BR
(*13)
W–B
(*5)
(Shielded)
(*5)
E3
L29
Rear Combination Light Assembly RH
(E)
L7
Rear Combination Light Assembly LH
(E)
L44
Center Stop Light Assembly
(E2)
(w/ Rear Spoiler)
L28
Rear Light Assembly RH
(E)
L8
Center Stop Light Assembly
(E)
(w/o Rear Spoiler)
L11
Rear Light Assembly LH
(E)
W–B
11
3
4
8
2
7
10
6
1
L34
Junction Connector
L9
License Plate Light Assembly RH
(E)
L10
License Plate Light Assembly LH
(E)
L18
Luggage Compartment Door Lock Assembly
(E)
L26
Luggage Compartment Door Opener Switch Assembly
(L)
(*3)
5 A
6 A
1 B
2 B
L30(A), L31(B)
Junction Connector
L27
Luggage Compartment Door Lock Cylinder Assembly
(E)
(*3)
L3

# I 搭铁点

### ○ : Parts Location

| Code | | See Page | Code | | See Page | Code | | See Page |
|---|---|---|---|---|---|---|---|---|
| A46 | | 57 | L31 | B | 59 | c6 | B | 62 |
| E53 | | 55 | L34 | | 59 | | | |
| L30 | A | 59 | L46 | A | 62 | | | |

### : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|---|---|---|
| 1 | 22 | Engine Room R/B (Engine Compartment Left) |
| 5 | 46 | R/B No.5 (Instrument Panel Center) |
| 6 | 47 | R/B No.6 (Instrument Panel Center) |
| 7 | 48 | R/B No.7 (Engine Compartment Right) |

### : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1A | 26 | Engine Room Main Wire and Engine Room J/B (Engine Compartment Left) |
| 1B | | |
| 2D | 28 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2E | | |
| 2J | | |
| 2K | 28 | Roof Wire and Instrument Panel J/B (Cowl Side Left) |
| 2M | 29 | Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left) |
| 2S | | |
| 3A | 36 | Instrument Panel Wire and J/B No.3 (Cowl Side Right) |
| 3B | | |
| 4A | 40 | Instrument Panel Wire and J/B No.4 (Instrument Panel Brace RH) |
| 4B | | |
| 4C | | |

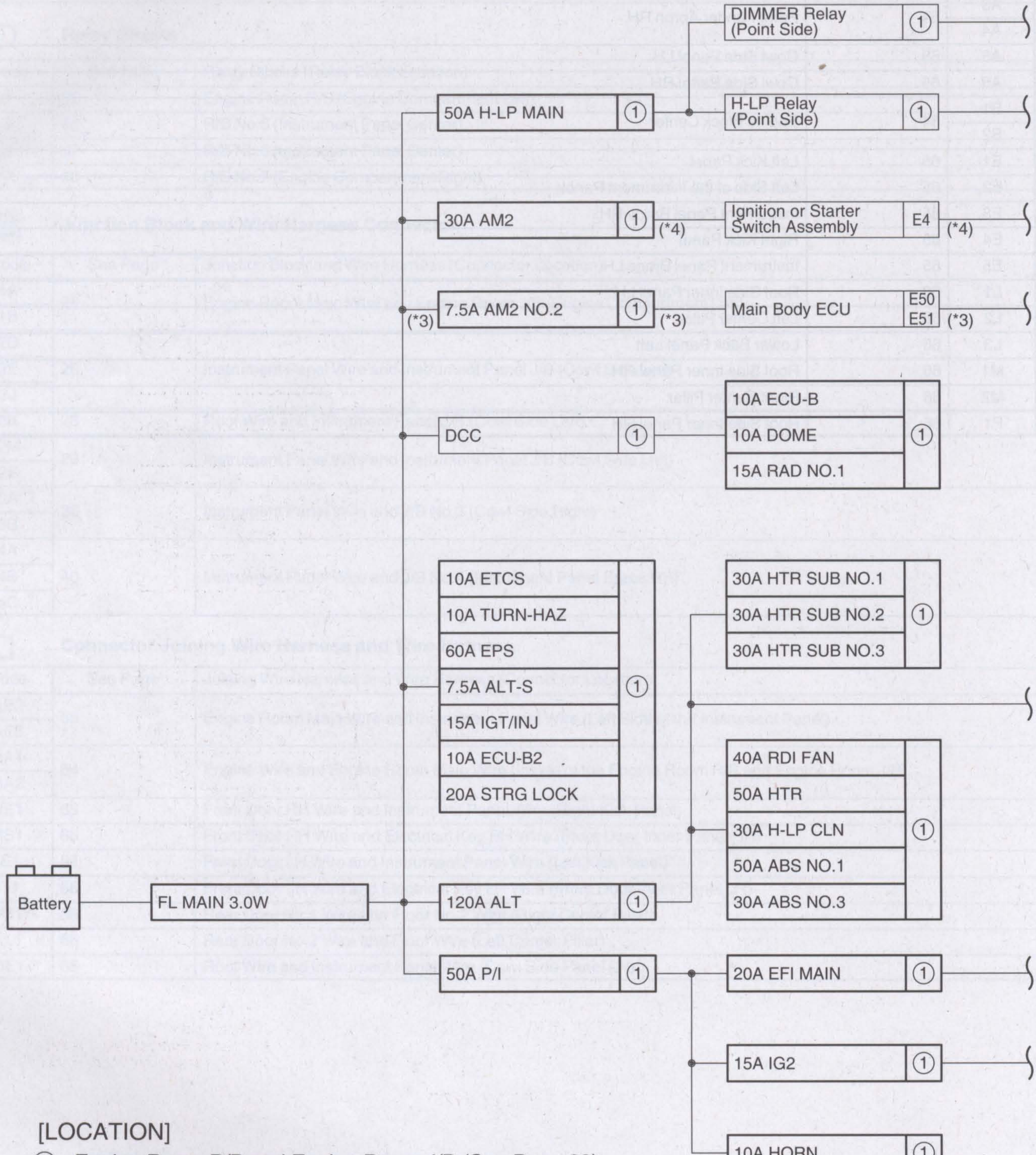
### : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| AE2 | 65 | Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel) |
| AE6 | | |
| BA1 | 64 | Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B) |
| BA2 | | |
| HE1 | 65 | Front Door RH Wire and Instrument Panel Wire (Right Kick Panel) |
| HS1 | 66 | Front Door RH Wire and Electrical Key RH Wire (Front Door Inner Panel RH) |
| IE1 | 65 | Front Door LH Wire and Instrument Panel Wire (Left Kick Panel) |
| IT1 | 66 | Front Door LH Wire and Electrical Key LH Wire (Front Door Inner Panel LH) |
| JM1 | 66 | Rear Door No.1 Wire and Floor No.2 Wire (Right Center Pillar) |
| KL1 | 66 | Rear Door No.2 Wire and Floor Wire (Left Center Pillar) |
| OE1 | 65 | Roof Wire and Instrument Panel Wire (Cowl Side Panel LH) |

▽ : **Ground Points**

| Code | See Page | Ground Points Location |
|---|---|---|
| A1 | 64 | Front Fender Apron LH |
| A2 | | |
| A3 | 64 | Front Fender Apron RH |
| A4 | | |
| A5 | 65 | Cowl Side Panel LH |
| A6 | 65 | Cowl Side Panel RH |
| B1 | 64 | Engine Block Center |
| B2 | | |
| E1 | 65 | Left Kick Panel |
| E2 | 65 | Left Side of the Instrument Panel |
| E3 | 65 | Instrument Panel Brace RH |
| E4 | 65 | Right Kick Panel |
| E5 | 65 | Instrument Panel Brace LH |
| L1 | 66 | Roof Side Inner Panel LH |
| L2 | 66 | Left Center Pillar |
| L3 | 66 | Lower Back Panel Left |
| M1 | 66 | Roof Side Inner Panel RH |
| M2 | 66 | Right Center Pillar |
| P1 | 66 | Roof Side Inner Panel RH |

The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other Parts.

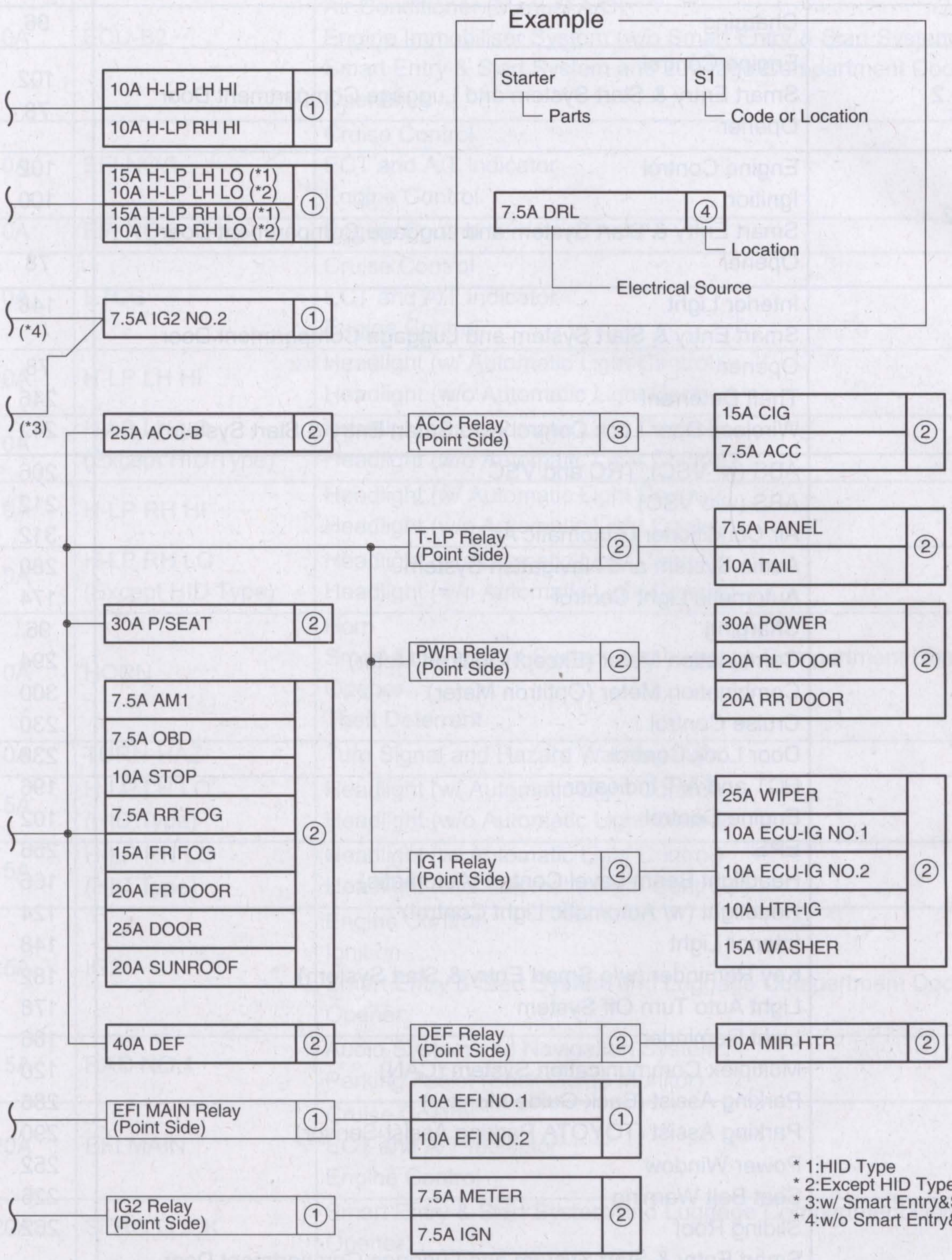



[LOCATION]

① : Engine Room R/B and Engine Room J/B (See Page 22)

② : Instrument Panel J/B (See Page 28)

③ : R/B No.5 (See Page 46)




* 1:HID Type
* 2:Except HID Type
* 3:w/ Smart Entry&Start System
* 4:w/o Smart Entry&Start System

# J 电源(电流流程图)

## Engine Room R/B and Engine Room J/B (See Page 22)

| Fuse | | System | Page |
|---|---|---|---|
| 7.5A | ALT-S | Charging | 96 |
| 7.5A | AM2 NO.2 | Engine Control | 102 |
| | | Smart Entry & Start System and Luggage Compartment Door Opener | 78 |
| 7.5A | IG2 NO.2 | Engine Control | 102 |
| | | Ignition | 100 |
| | | Smart Entry & Start System and Luggage Compartment Door Opener | 78 |
| 10A | DOME | Interior Light | 148 |
| | | Smart Entry & Start System and Luggage Compartment Door Opener | 78 |
| | | Theft Deterrent | 246 |
| | | Wireless Door Lock Control (w/o Smart Entry & Start System) | 242 |
| 10A | ECU-B | ABS (w/ VSC), TRC and VSC | 206 |
| | | ABS (w/o VSC) | 212 |
| | | Air Conditioner (Automatic A/C) | 312 |
| | | Audio System and Navigation System | 280 |
| | | Automatic Light Control | 174 |
| | | Charging | 96 |
| | | Combination Meter (Except Optitron Meter) | 294 |
| | | Combination Meter (Optitron Meter) | 300 |
| | | Cruise Control | 230 |
| | | Door Lock Control | 238 |
| | | ECT and A/T Indicator | 196 |
| | | Engine Control | 102 |
| | | EPS | 256 |
| | | Headlight Beam Level Control (Automatic) | 166 |
| | | Headlight (w/ Automatic Light Control) | 124 |
| | | Interior Light | 148 |
| | | Key Reminder (w/o Smart Entry & Start System) | 182 |
| | | Light Auto Turn Off System | 178 |
| | | Light Reminder | 186 |
| | | Multiplex Communication System (CAN) | 120 |
| | | Parking Assist (Back Guide Monitor) | 286 |
| | | Parking Assist (TOYOTA Parking Assist-Sensor) | 290 |
| | | Power Window | 252 |
| | | Seat Belt Warning | 226 |
| | | Sliding Roof | 262 |
| | | Smart Entry & Start System and Luggage Compartment Door Opener | 78 |
| | | SRS | 217 |
| | | Taillight and Illumination | 140 |
| 10A | ECU-B | Theft Deterrent | 246 |
| | | Wireless Door Lock Control (w/o Smart Entry & Start System) | 242 |

* These are the page numbers of the first page on which the related system is shown..

| Fuse | | System | Page |
|---|---|---|---|
| 10A | ECU-B2 | Air Conditioner (Automatic A/C)<br>Air Conditioner (Manual A/C)<br>Engine Immobiliser System (w/o Smart Entry & Start System)<br>Smart Entry & Start System and Luggage Compartment Door Opener | 312<br>320<br>116<br>78 |
| 10A | EFI NO.1 | Cruise Control<br>ECT and A/T Indicator<br>Engine Control | 230<br>196<br>102 |
| 10A | EFI NO.2 | Engine Control | 102 |
| 10A | ETCS | Cruise Control<br>ECT and A/T Indicator<br>Engine Control | 230<br>196<br>102 |
| 10A | H-LP LH HI | Headlight (w/ Automatic Light Control)<br>Headlight (w/o Automatic Light Control) | 124<br>128 |
| 10A | H-LP LH LO (Except HID Type) | Headlight (w/ Automatic Light Control)<br>Headlight (w/o Automatic Light Control) | 124<br>128 |
| 10A | H-LP RH HI | Headlight (w/ Automatic Light Control)<br>Headlight (w/o Automatic Light Control) | 124<br>128 |
| 10A | H-LP RH LO (Except HID Type) | Headlight (w/ Automatic Light Control)<br>Headlight (w/o Automatic Light Control) | 124<br>128 |
| 10A | HORN | Horn<br>Smart Entry & Start System and Luggage Compartment Door Opener<br>Theft Deterrent | 272<br>78<br>246 |
| 10A | TURN-HAZ | Turn Signal and Hazard Warning Light | 132 |
| 15A | H-LP LH LO (HID Type) | Headlight (w/ Automatic Light Control)<br>Headlight (w/o Automatic Light Control) | 124<br>128 |
| 15A | H-LP RH LO (HID Type) | Headlight (w/ Automatic Light Control)<br>Headlight (w/o Automatic Light Control) | 124<br>128 |
| 15A | IG2 | Engine Control<br>Ignition<br>Smart Entry & Start System and Luggage Compartment Door Opener | 102<br>100<br>78 |
| 15A | RAD NO.1 | Audio System and Navigation System<br>Parking Assist (Back Guide Monitor) | 280<br>286 |
| 20A | EFI MAIN | Cruise Control<br>ECT and A/T Indicator<br>Engine Control | 230<br>196<br>102 |
| 20A | STRG LOCK | Smart Entry & Start System and Luggage Compartment Door Opener | 78 |
| 30A | ABS NO.3 | ABS (w/ VSC), TRC and VSC<br>ABS (w/o VSC) | 206<br>212 |
| 30A | AM2 | Smart Entry & Start System and Luggage Compartment Door Opener<br>Starting (w/o Smart Entry & Start System) | 78<br>94 |

* These are the page numbers of the first page on which the related system is shown.

# J 电源（电流流程图）

| Fuse | | System | Page |
|---|---|---|---|
| 30A | H-LP CLN | Headlight Cleaner | 190 |
| 30A | HTR SUB NO.1 | Air Conditioner (Automatic A/C)<br>Air Conditioner (Manual A/C) | 312<br>320 |
| 30A | HTR SUB NO.2 | Air Conditioner (Automatic A/C)<br>Air Conditioner (Manual A/C) | 312<br>320 |
| 30A | HTR SUB NO.3 | Air Conditioner (Automatic A/C)<br>Air Conditioner (Manual A/C) | 312<br>320 |
| 40A | RDI FAN | Cooling Fan | 308 |
| 50A | ABS NO.1 | ABS (w/ VSC), TRC and VSC<br>ABS (w/o VSC) | 206<br>212 |
| 50A | H-LP MAIN | Air Conditioner (Automatic A/C)<br>Air Conditioner (Manual A/C)<br>Automatic Light Control<br>Headlight Beam Level Control (Automatic)<br>Headlight Cleaner<br>Headlight (w/ Automatic Light Control)<br>Headlight (w/o Automatic Light Control)<br>Light Auto Turn Off System<br>Theft Deterrent | 312<br>320<br>174<br>166<br>190<br>124<br>128<br>178<br>246 |
| 50A | HTR | Air Conditioner (Automatic A/C)<br>Air Conditioner (Manual A/C) | 312<br>320 |
| 60A | EPS | EPS | 256 |
| 120A | ALT | Automatic Light Control<br>Charging<br>Engine Control<br>Front Fog Light<br>Headlight Beam Level Control (Manual)<br>Light Auto Turn Off System<br>Light Reminder<br>Power Window<br>Rear Fog Light<br>Smart Entry & Start System and Luggage Compartment Door Opener<br>Taillight and Illumination<br>Theft Deterrent | 174<br>96<br>102<br>158<br>170<br>178<br>186<br>252<br>162<br>78<br>140<br>246 |

## Instrument Panel J/B (See Page 28)

| Fuse | | System | Page |
|---|---|---|---|
| 7.5A | ACC | Audio System and Navigation System<br>Automatic Light Control<br>Door Lock Control<br>Headlight (w/ Automatic Light Control)<br>Interior Light | 280<br>174<br>238<br>124<br>148 |

* These are the page numbers of the first page on which the related system is shown.

| Fuse | | System | Page |
|---|---|---|---|
| 7.5A | ACC | Key Reminder (w/o Smart Entry & Start System) | 182 |
| | | Light Auto Turn Off System | 178 |
| | | Light Reminder | 186 |
| | | Multiplex Communication System (CAN) | 120 |
| | | Parking Assist (Back Guide Monitor) | 286 |
| | | Power Window | 252 |
| | | Remote Control Mirror | 266 |
| | | Sliding Roof | 262 |
| | | Smart Entry & Start System and Luggage Compartment Door Opener | 78 |
| | | Taillight and Illumination | 140 |
| | | Theft Deterrent | 246 |
| | | Wireless Door Lock Control (w/o Smart Entry & Start System) | 242 |
| 7.5A | AM1 | Engine Control | 102 |
| | | Shift Lock | 224 |
| | | Starting (w/o Smart Entry & Start System) | 94 |
| 7.5A | IGN | Cruise Control | 230 |
| | | ECT and A/T Indicator | 196 |
| | | Engine Control | 102 |
| | | Engine Immobiliser System (w/o Smart Entry & Start System) | 116 |
| | | Parking Assist (Back Guide Monitor) | 286 |
| | | Smart Entry & Start System and Luggage Compartment Door Opener | 78 |
| | | SRS | 217 |
| 7.5A | METER | ABS (w/ VSC), TRC and VSC | 206 |
| | | ABS (w/o VSC) | 212 |
| | | Air Conditioner (Automatic A/C) | 312 |
| | | Audio System and Navigation System | 280 |
| | | Charging | 96 |
| | | Combination Meter (Except Optitron Meter) | 294 |
| | | Combination Meter (Optitron Meter) | 300 |
| | | Cruise Control | 230 |
| | | ECT and A/T Indicator | 196 |
| | | Engine Control | 102 |
| | | EPS | 256 |
| | | Headlight Beam Level Control (Automatic) | 166 |
| | | Interior Light | 148 |
| | | Key Reminder (w/o Smart Entry & Start System) | 182 |
| | | Light Reminder | 186 |
| | | Parking Assist (Back Guide Monitor) | 286 |
| | | Parking Assist (TOYOTA Parking Assist-Sensor) | 290 |
| | | Seat Belt Warning | 226 |
| | | Smart Entry & Start System and Luggage Compartment Door Opener | 78 |
| | | SRS | 217 |
| | | Taillight and Illumination | 140 |

* These are the page numbers of the first page on which the related system is shown.

| | Fuse | System | Page |
|---|---|---|---|
| 7.5A | OBD | DLC3 | 118 |
| 7.5A | PANEL | Taillight and Illumination | 140 |
| 7.5A | RR FOG | Rear Fog Light | 162 |
| 10A | ECU-IG NO.1 | ABS (w/ VSC), TRC and VSC | 206 |
| | | ABS (w/o VSC) | 212 |
| | | Automatic Light Control | 174 |
| | | Cooling Fan | 308 |
| | | Cruise Control | 230 |
| | | Door Lock Control | 238 |
| | | EPS | 256 |
| | | Headlight Beam Level Control (Automatic) | 166 |
| | | Headlight Cleaner | 190 |
| | | Headlight (w/ Automatic Light Control) | 124 |
| | | Interior Light | 148 |
| | | Key Reminder (w/o Smart Entry & Start System) | 182 |
| | | Light Auto Turn Off System | 178 |
| | | Light Reminder | 186 |
| | | Multiplex Communication System (CAN) | 120 |
| | | Parking Assist (Back Guide Monitor) | 286 |
| | | Power Window | 252 |
| | | Shift Lock | 224 |
| | | Sliding Roof | 262 |
| | | Smart Entry & Start System and Luggage Compartment Door Opener | 78 |
| | | Taillight and Illumination | 140 |
| | | Theft Deterrent | 246 |
| | | Wireless Door Lock Control (w/o Smart Entry & Start System) | 242 |
| 10A | ECU-IG NO.2 | Air Conditioner (Automatic A/C) | 312 |
| | | Air Conditioner (Manual A/C) | 320 |
| | | Audio System and Navigation System | 280 |
| | | Back-Up Light | 138 |
| | | Charging | 96 |
| | | Cruise Control | 230 |
| | | ECT and A/T Indicator | 196 |
| | | Engine Control | 102 |
| | | Parking Assist (Back Guide Monitor) | 286 |
| | | Parking Assist (TOYOTA Parking Assist-Sensor) | 290 |
| | | Rear Window Defogger and Mirror Heater | 268 |
| | | Seat Belt Warning | 226 |
| | | Sliding Roof | 262 |
| | | Turn Signal and Hazard Warning Light | 132 |
| 10A | HTR-IG | Air Conditioner (Automatic A/C) | 312 |
| | | Air Conditioner (Manual A/C) | 320 |
| | | Rear Window Defogger and Mirror Heater | 268 |

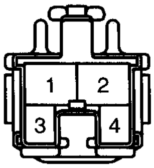
* These are the page numbers of the first page on which the related system is shown.

| Fuse | | System | Page |
|---|---|---|---|
| 10A | MIR HTR | Engine Control<br>Rear Window Defogger and Mirror Heater | 102<br>268 |
| 10A | STOP | ABS (w/ VSC), TRC and VSC<br>ABS (w/o VSC)<br>Cruise Control<br>ECT and A/T Indicator<br>Engine Control<br>Shift Lock<br>Smart Entry & Start System and Luggage Compartment Door Opener<br>Stop Light | 206<br>212<br>230<br>196<br>102<br>224<br>78<br>136 |
| 10A | TAIL | Engine Control<br>Front Fog Light<br>Headlight Beam Level Control (Manual)<br>Parking Assist (TOYOTA Parking Assist-Sensor)<br>Rear Fog Light<br>Taillight and Illumination | 102<br>158<br>170<br>290<br>162<br>140 |
| 15A | CIG | Cigarette Lighter | 274 |
| 15A | FR FOG | Front Fog Light | 158 |
| 15A | WASHER | Front Wiper and Washer | 192 |
| 20A | FR DOOR | Power Window | 252 |
| 20A | RL DOOR | Power Window | 252 |
| 20A | RR DOOR | Power Window | 252 |
| 20A | SUNROOF | Sliding Roof | 262 |
| 25A | ACC-B | Smart Entry & Start System and Luggage Compartment Door Opener | 78 |
| 25A | DOOR | Automatic Light Control<br>Door Lock Control<br>Headlight (w/ Automatic Light Control)<br>Interior Light<br>Key Reminder (w/o Smart Entry & Start System)<br>Light Auto Turn Off System<br>Light Reminder<br>Multiplex Communication System (CAN)<br>Smart Entry & Start System and Luggage Compartment Door Opener<br>Taillight and Illumination<br>Theft Deterrent<br>Wireless Door Lock Control (w/o Smart Entry & Start System) | 174<br>238<br>124<br>148<br>182<br>178<br>186<br>120<br>78<br>140<br>246<br>242 |
| 25A | WIPER | Front Wiper and Washer | 192 |
| 30A | POWER | Power Window | 252 |
| 30A | P/SEAT | Power Seat | 276 |
| 40A | DEF | Engine Control<br>Rear Window Defogger and Mirror Heater | 102<br>268 |

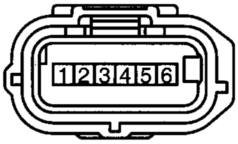
* These are the page numbers of the first page on which the related system is shown.

# K 连接器表

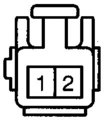
**A1**
Black




**A3**
Black




**A4**




**A5**
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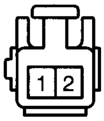
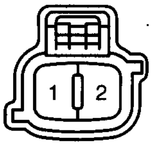



**A6**
Gray


**A7**
Gray

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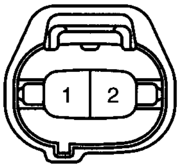
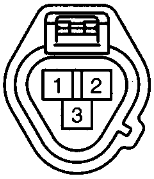
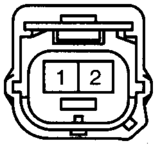


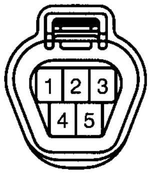

**A9**
Black




**A10**
Yellow




**A11**




**A12**
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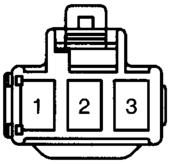
**A14**

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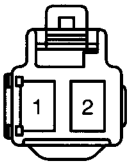


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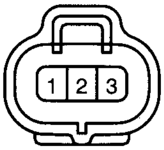


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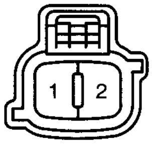


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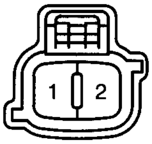


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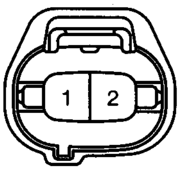


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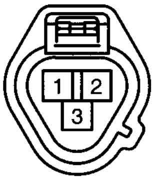


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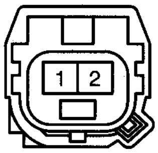


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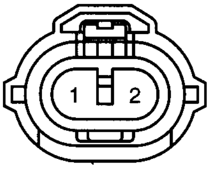


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**A25**
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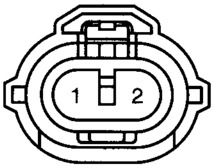


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**A27**
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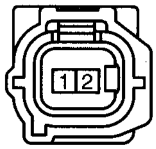


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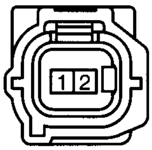


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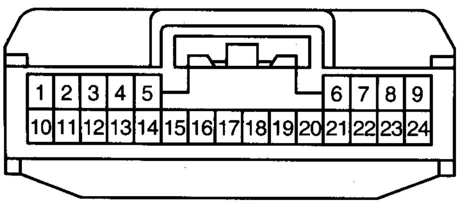


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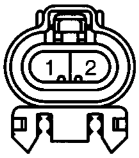


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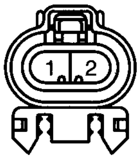


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**A40**
Gray


**A41**
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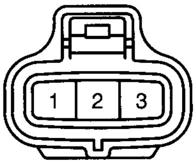


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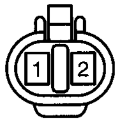


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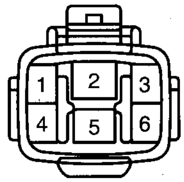


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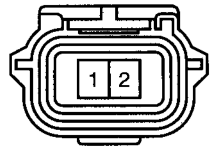


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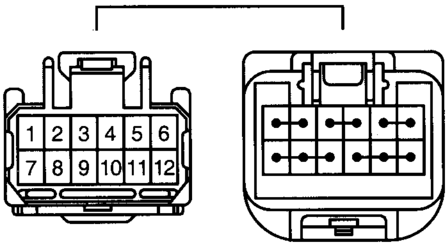


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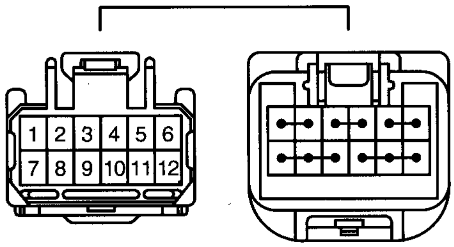


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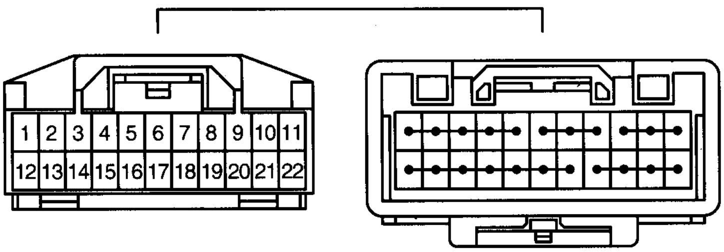


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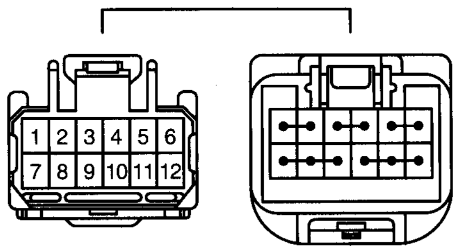


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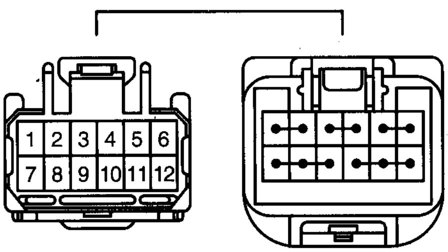


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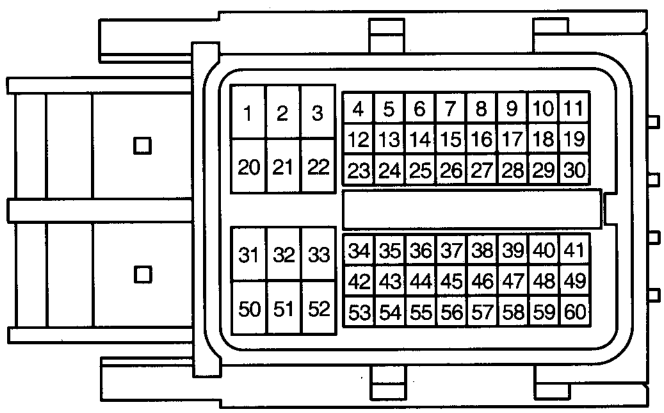

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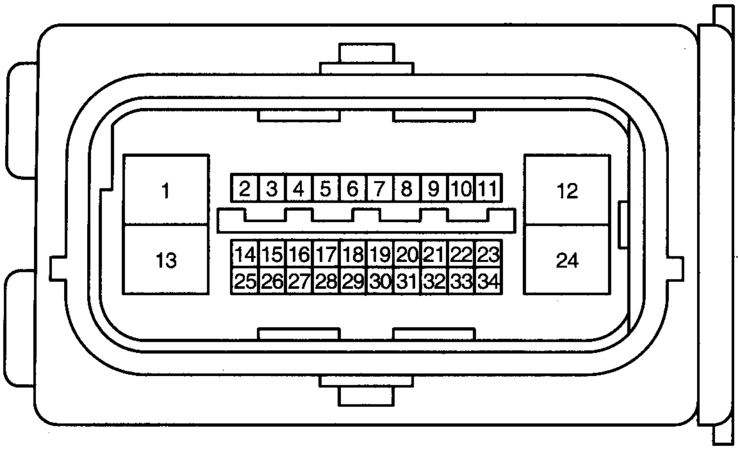


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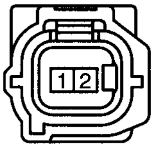


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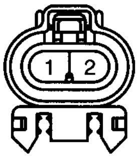


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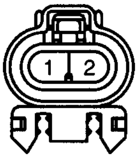
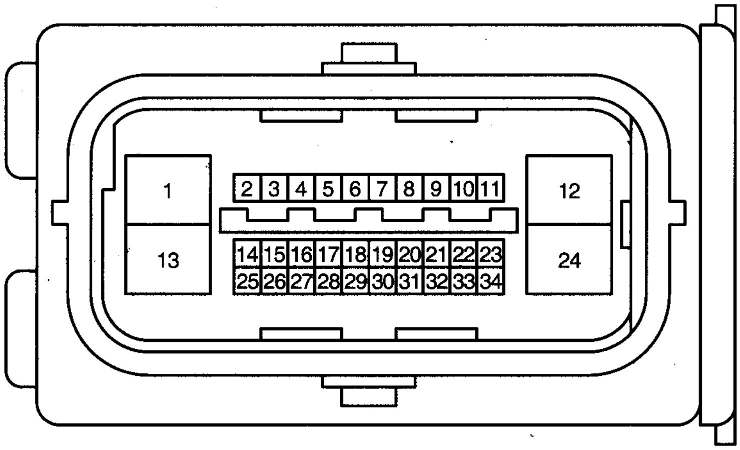



**A66**
Gray

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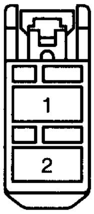


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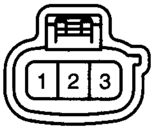


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**A83**
Black


**A84**
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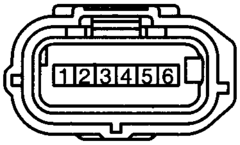
Black

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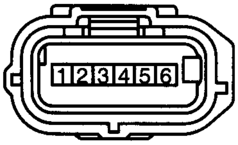


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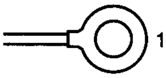


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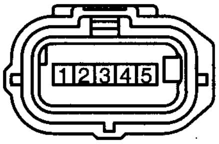


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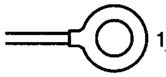
**B4**

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**B7**
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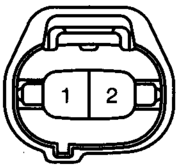


**B8**
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**B9**
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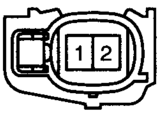


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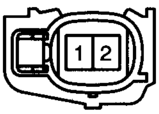

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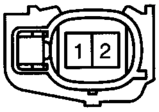


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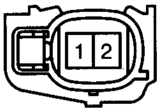


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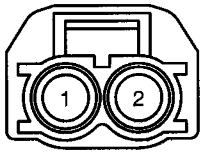


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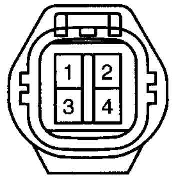


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**B19**
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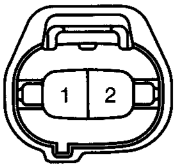


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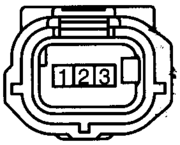


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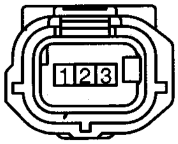


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**B23**
Gray


**B24**
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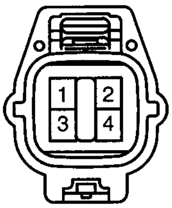


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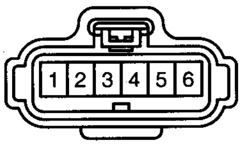


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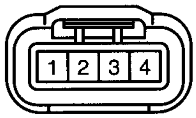


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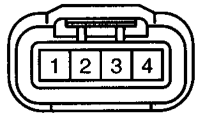


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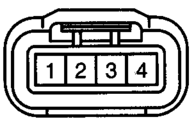


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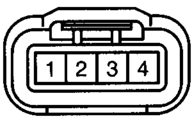


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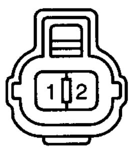


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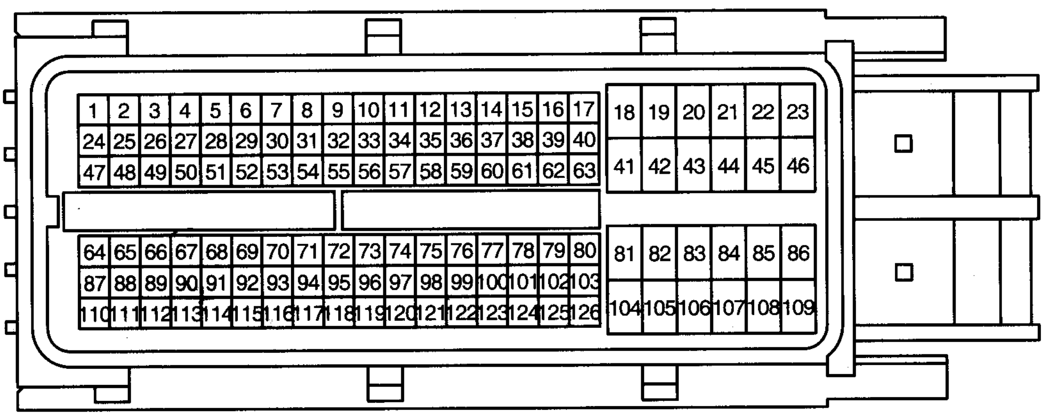


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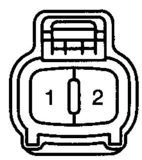
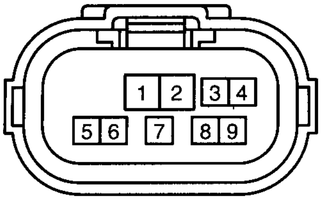


B88
Gray




B89
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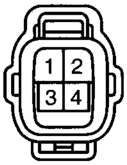


B90
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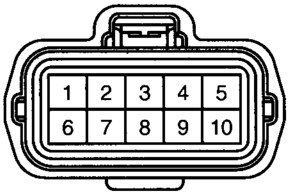


B91
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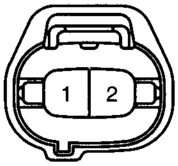


D1
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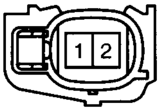
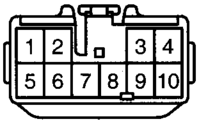
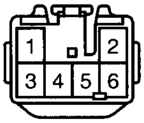



E1

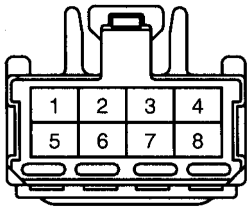



E2

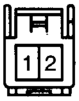



E3


E4




E5




E6
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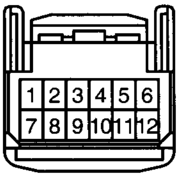


E7
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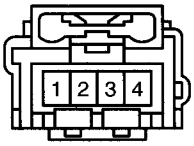
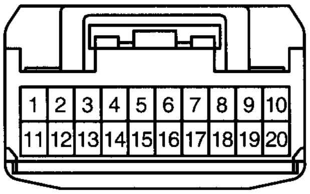
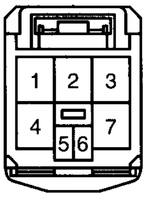


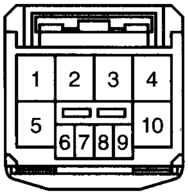

E8



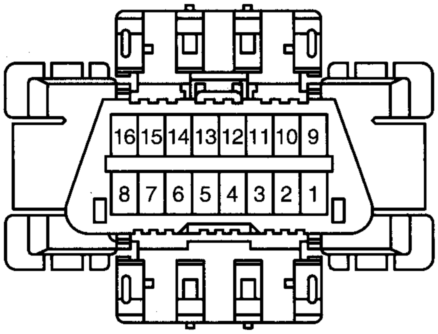

E9




E10




E11




E12


E14
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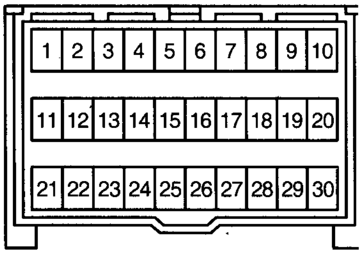


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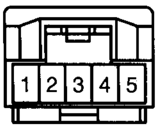


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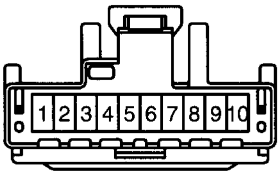


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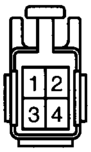


E20
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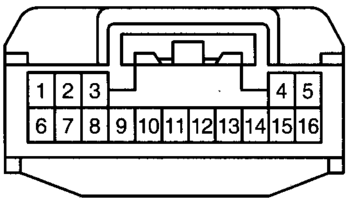
E21



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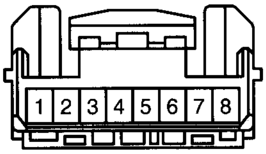


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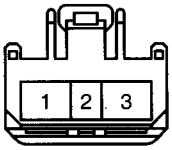


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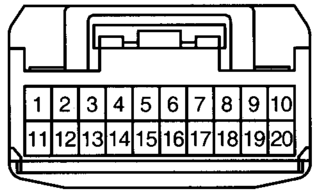
E26

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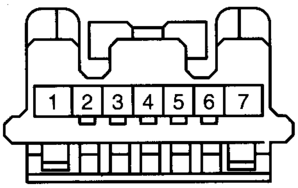


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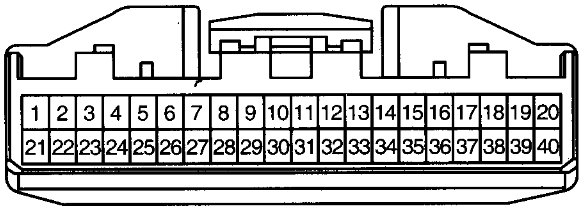


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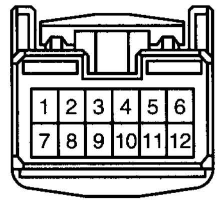


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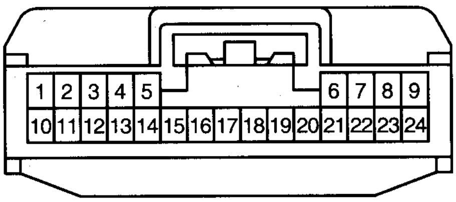


E35
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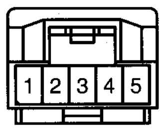


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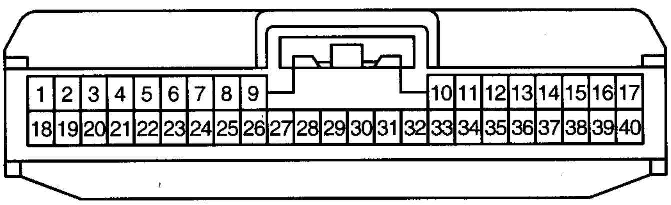


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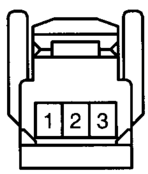


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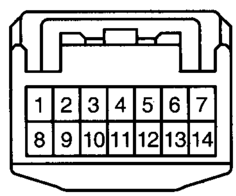


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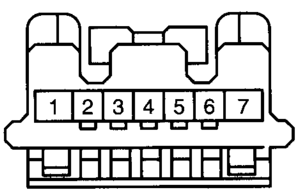


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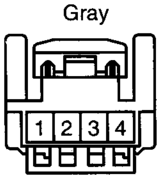


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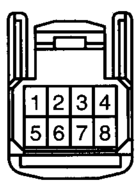


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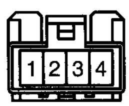


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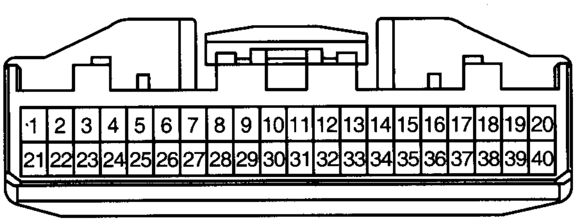


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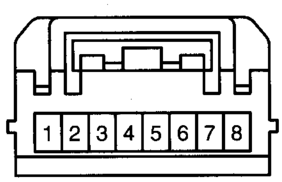


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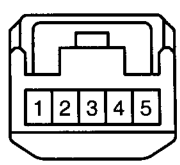

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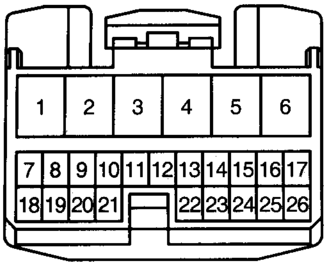


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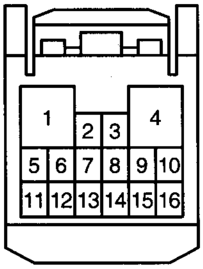


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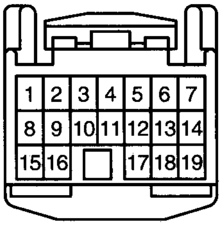


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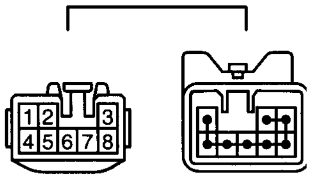


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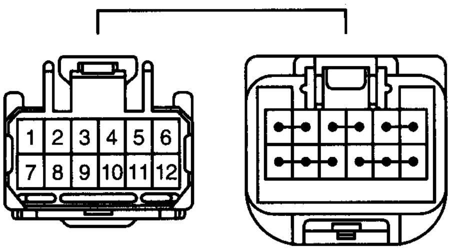


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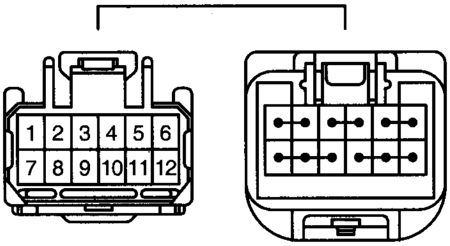


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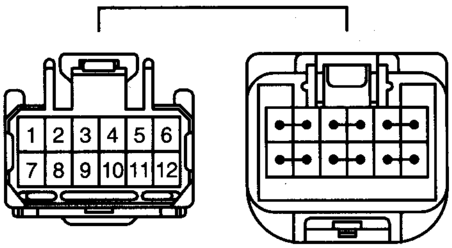


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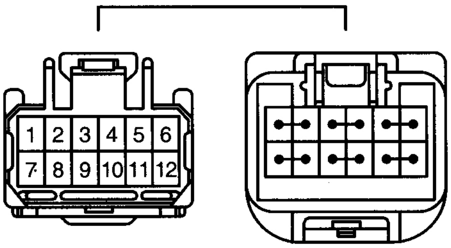


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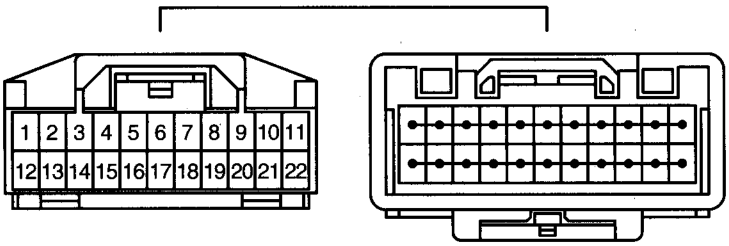


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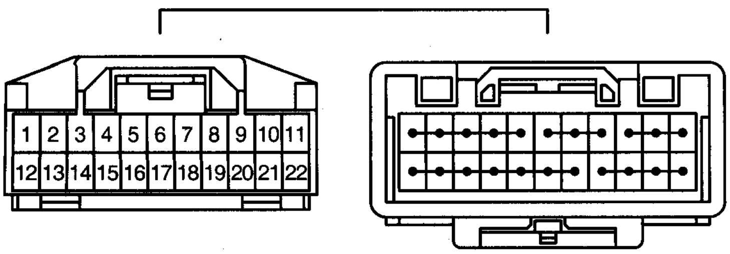


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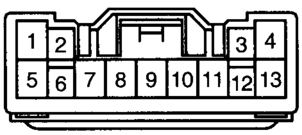

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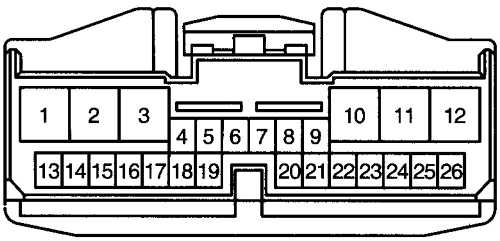


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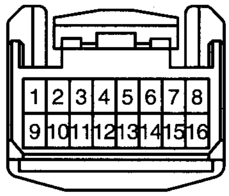


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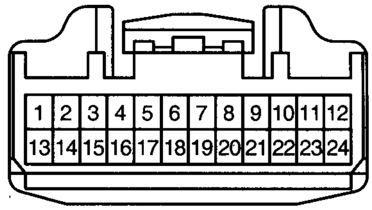


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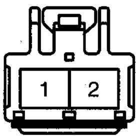


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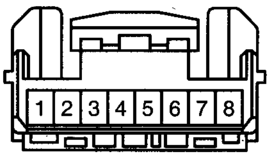


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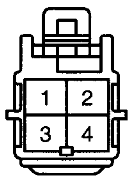


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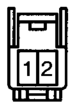


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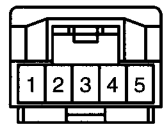


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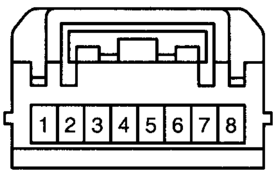


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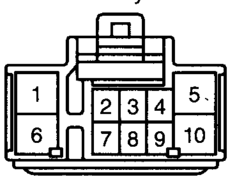


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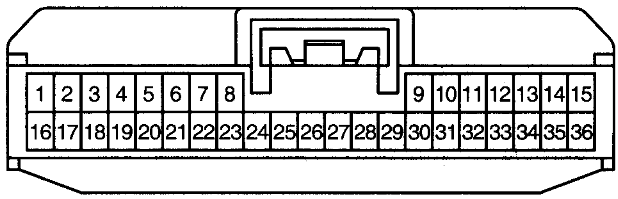


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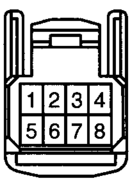


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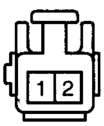


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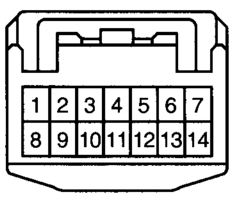
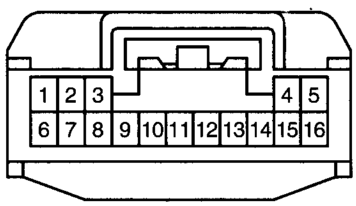



E86

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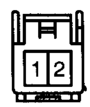


E88
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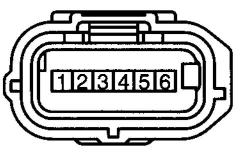


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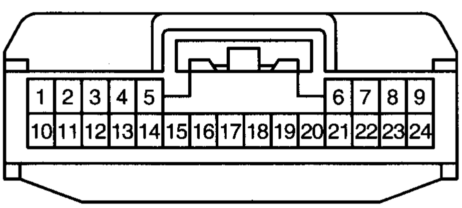


E90
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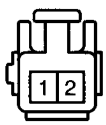
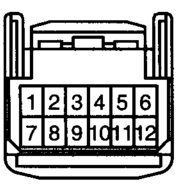



E91


E92

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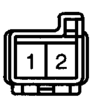


E94
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E95
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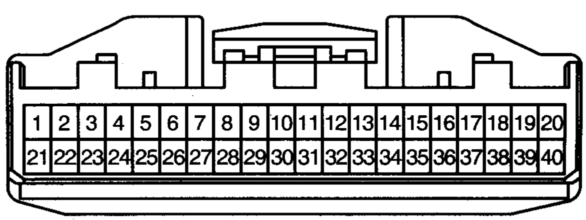

**E96**
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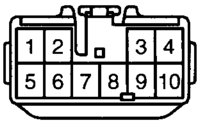
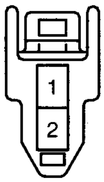
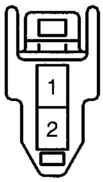



**E97**




**E98**

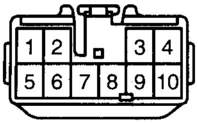

**E99**



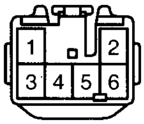

**E100**
Blue


**E101**

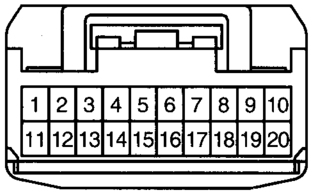

**E102**




**E103**

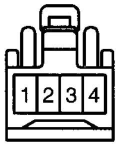



**E104**

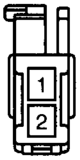



**F1**
Black

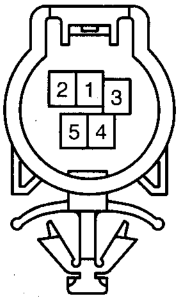

**F2**
Black



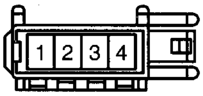

**H1**



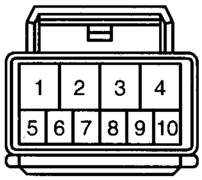

**H2**



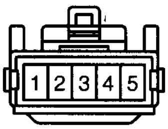

**H4**




**H6**




**H7**




**H8**
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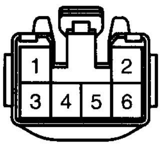


**H9**
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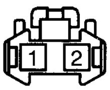


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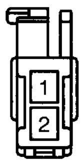
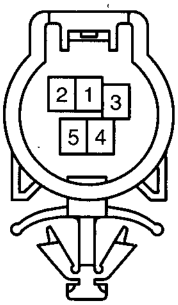
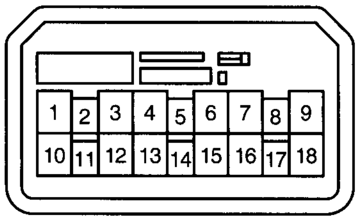


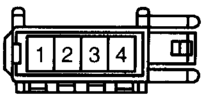

**I2**



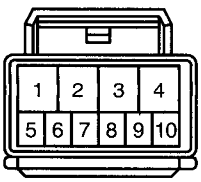

**I3**



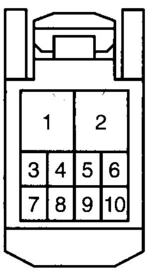

**I4**




**I5**

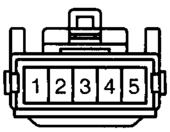


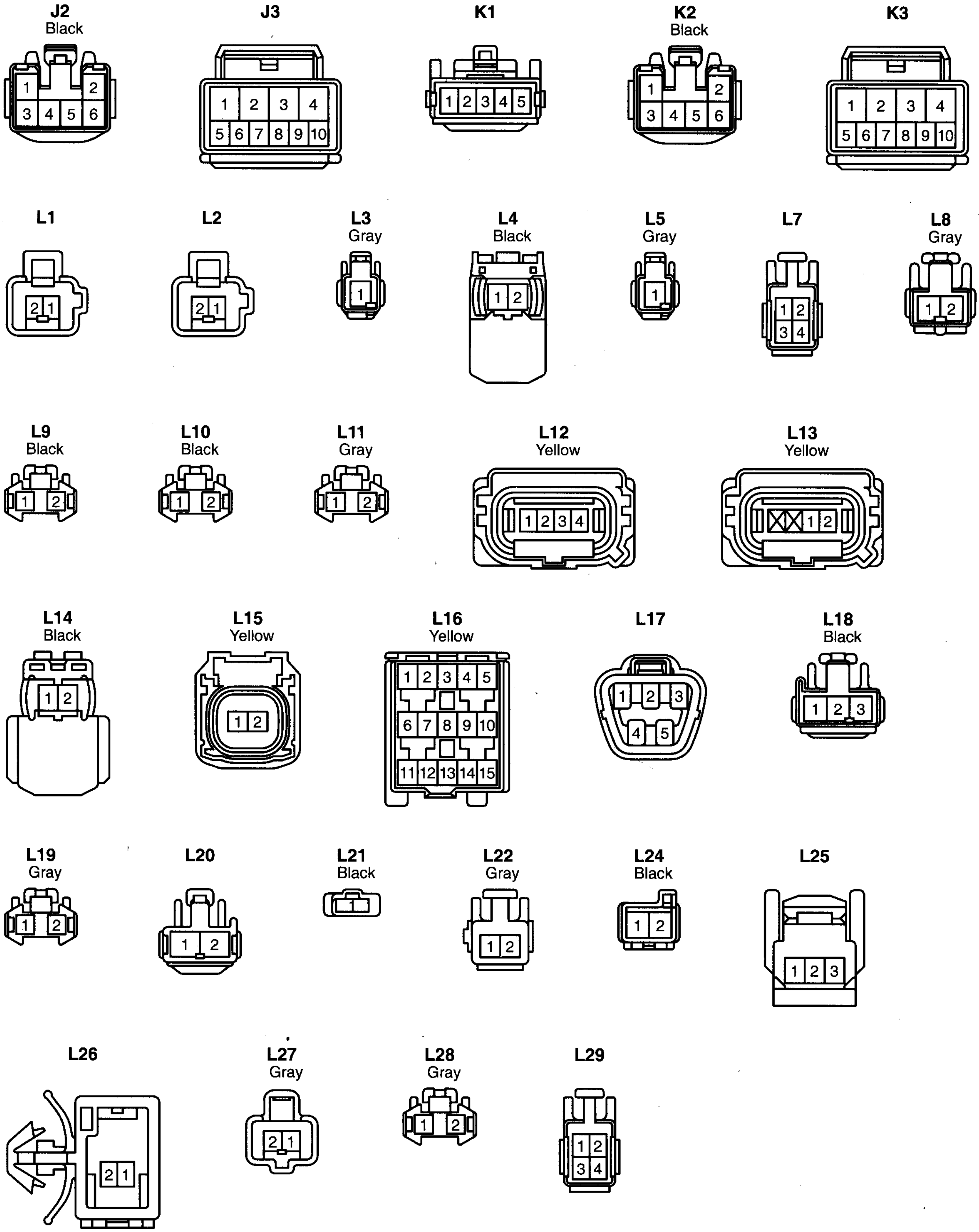

**I6**




**I9**
Gray


**J1**




J2
Black
1 2 3 4 5 6
J3
1 2 3 4 5 6 7 8 9 10
K1
1 2 3 4 5
K2
Black
1 2 3 4 5 6
K3
1 2 3 4 5 6 7 8 9 10
L1
2 1
L2
2 1
L3
Gray
1
L4
Black
1 2
L5
Gray
1
L7
1 2 3 4
L8
Gray
1 2
L9
Black
1 2
L10
Black
1 2
L11
Gray
1 2
L12
Yellow
1 2 3 4
L13
Yellow
1 2
L14
Black
1 2
L15
Yellow
1 2
L16
Yellow
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
L17
1 2 3 4 5
L18
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1 2 3
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1 2
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1 2
L24
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2 1
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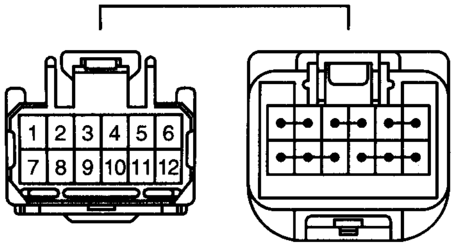
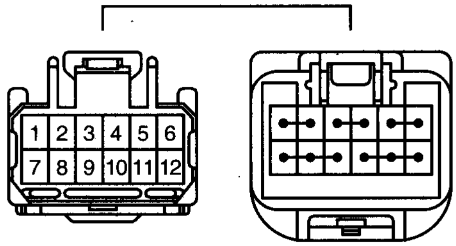
Gray
1 2
L29
1 2 3 4

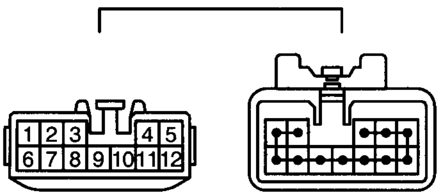
**L30**



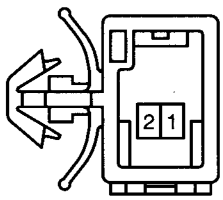

**L31**



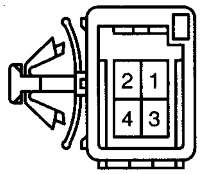

**L34**
Blue



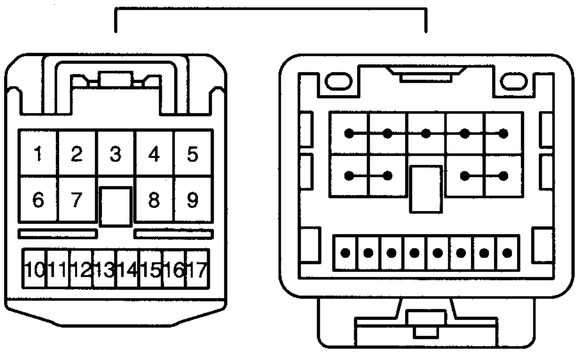

**L44**




**L45**

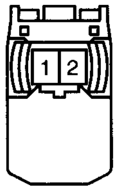



**L46**
Gray



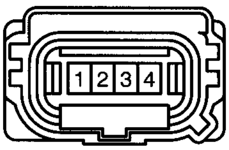

**M1**
Gray


**M2**
Black

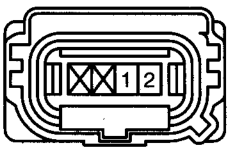



**M3**
Gray

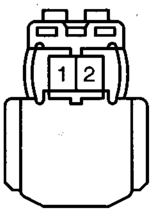

**M4**
Yellow



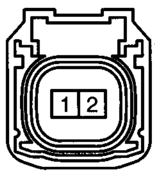

**M5**
Yellow



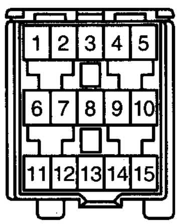

**M6**
Black



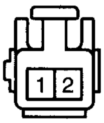

**M7**
Yellow



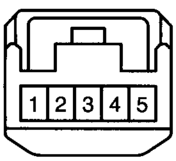

**M8**
Yellow



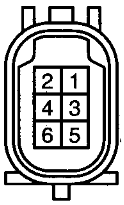

**M10**
Gray



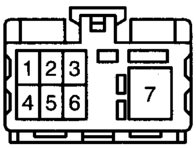

**M12**



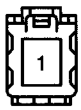

**M13**



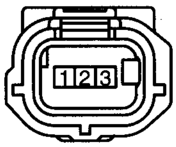

**M14**



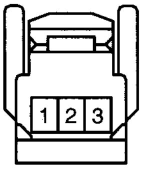

**M15**
Gray



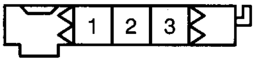

**N1**
Black



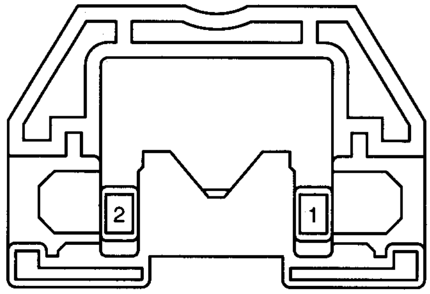
**N2**



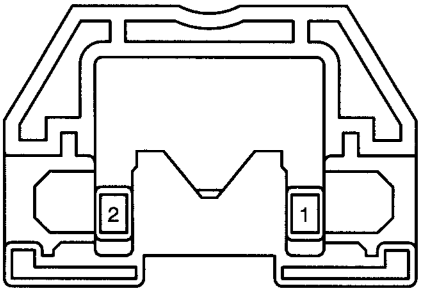

**O1**



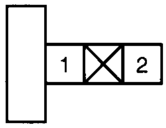

**O2**



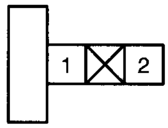

**O3**



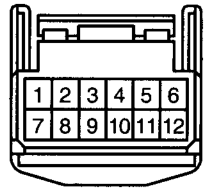

**O4**
Gray



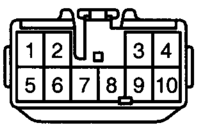

**O5**
Gray




**O8**
Black

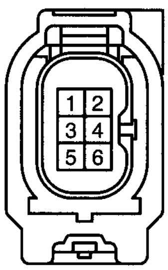



**O9**

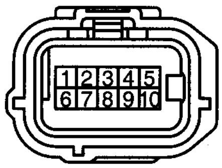



**P1**
Black

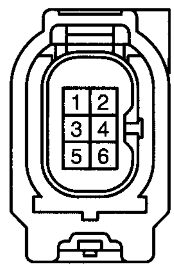

**S1**



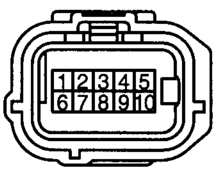

**S2**
Black



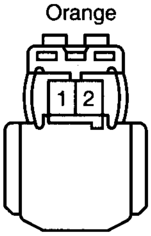

**T1**



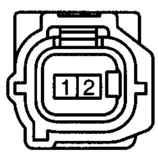

**T2**
Black



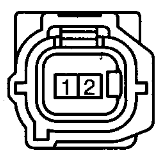

**U1**
Orange



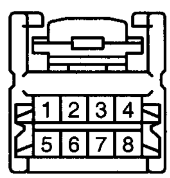

**V1**



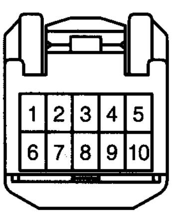

**W1**



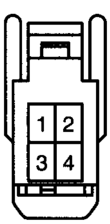

**X1**



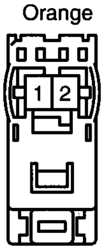

**Y1**



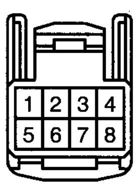

**Y2**



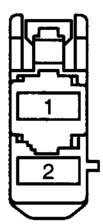

**Y3**
Orange



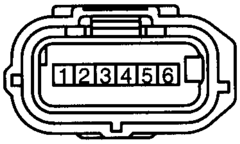

**a1**



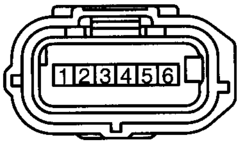

**a3**



**b1**
Black




**b2**
Black




**b3**
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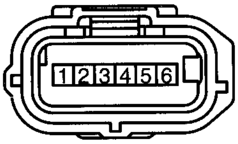
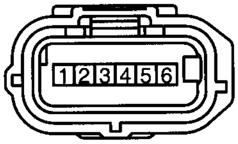
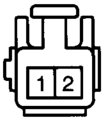


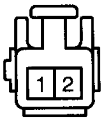

**b4**
Black



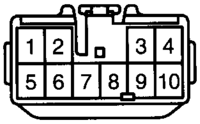

**c1**
Black



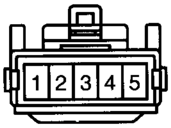

**c2**
Black



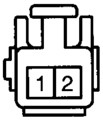

**c3**



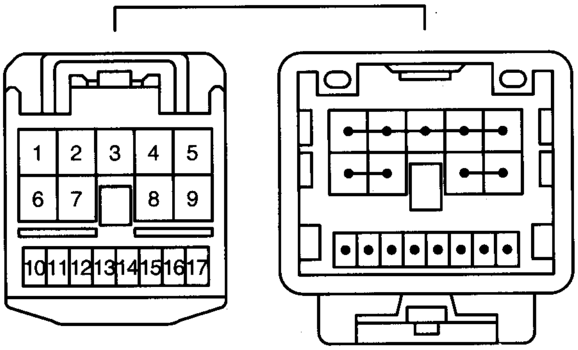

**c4**



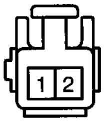

**c5**



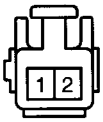

**c6**
Gray




**d1**
Black

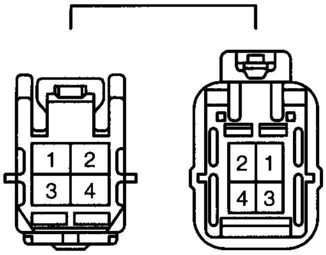



**d2**

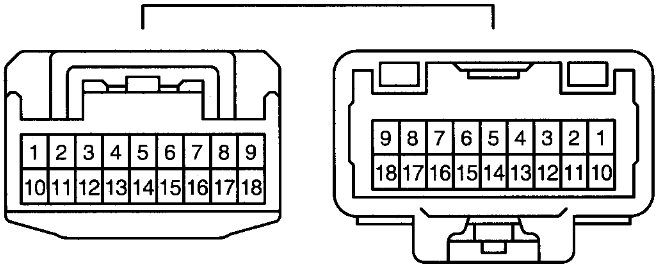



**z1**
Black

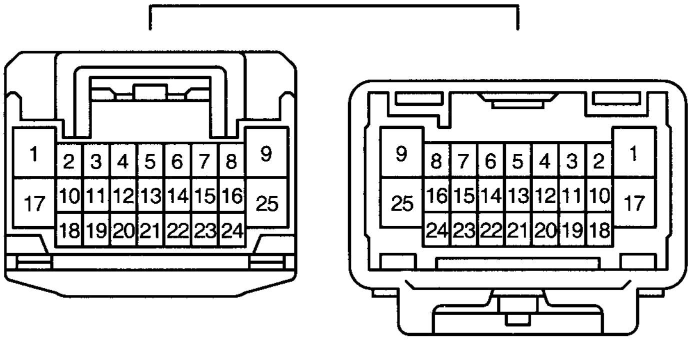
**AE1**



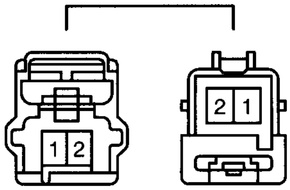

**AE2** Gray



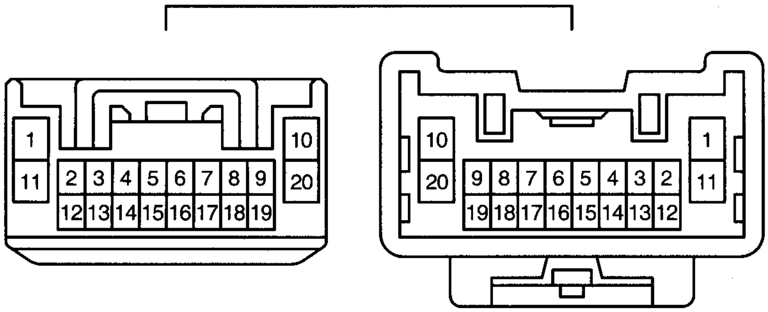

**AE3**



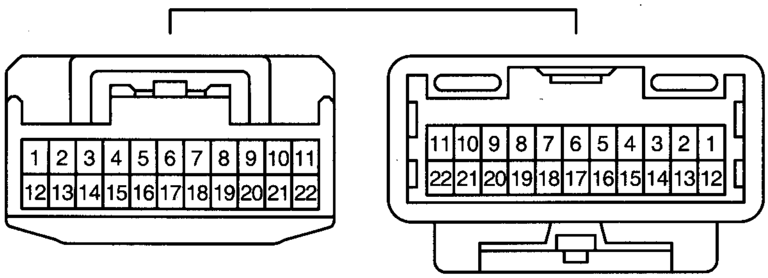

**AE4** Yellow



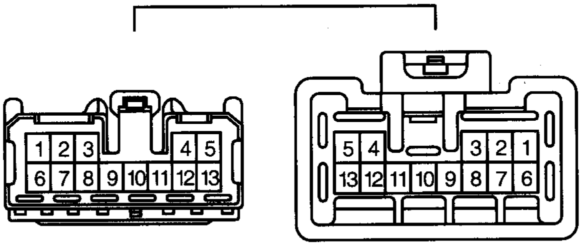

**AE5**



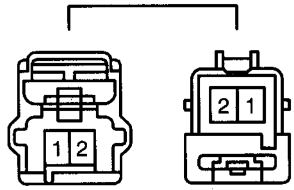

**AE6** Gray



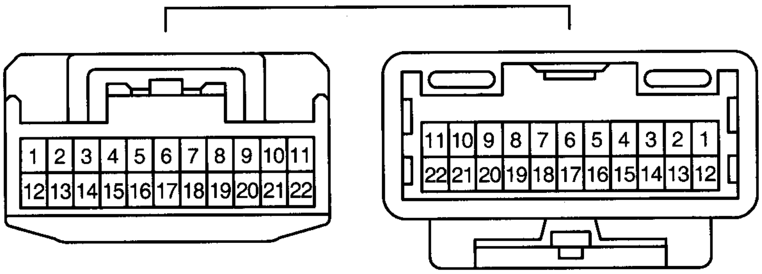
AE7 Blue



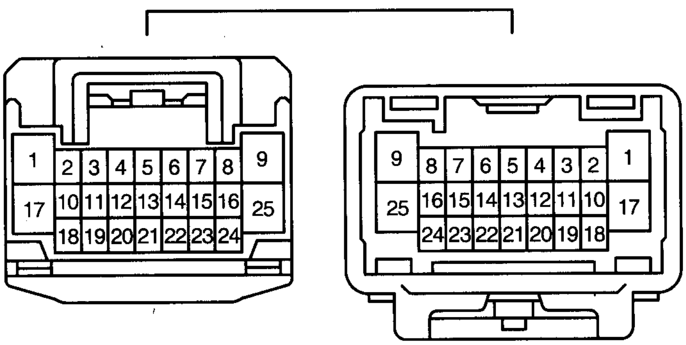

AE8 Yellow



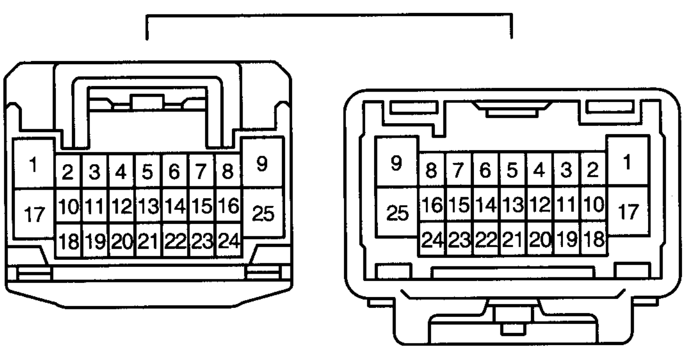

AE9



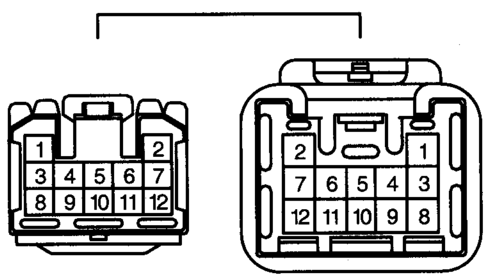

AL1



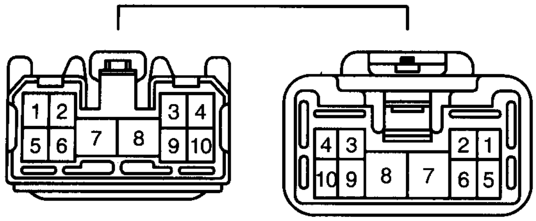

AM1



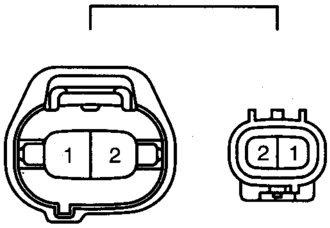

BA1



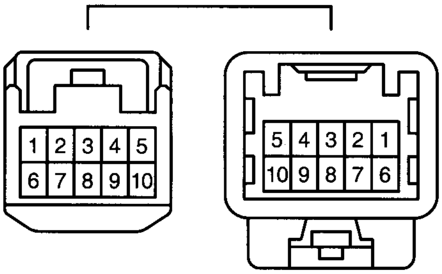
**BA2** Gray



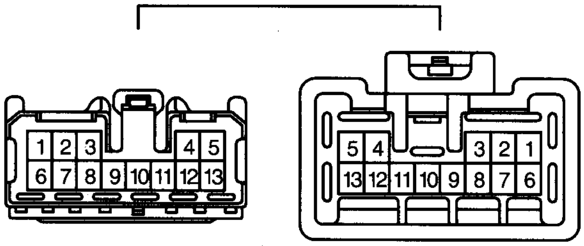

**BD1** Gray



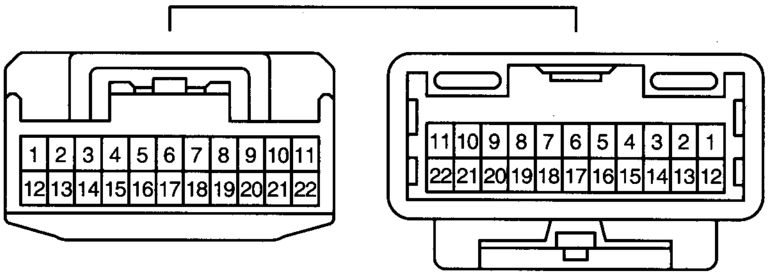

**EF1**



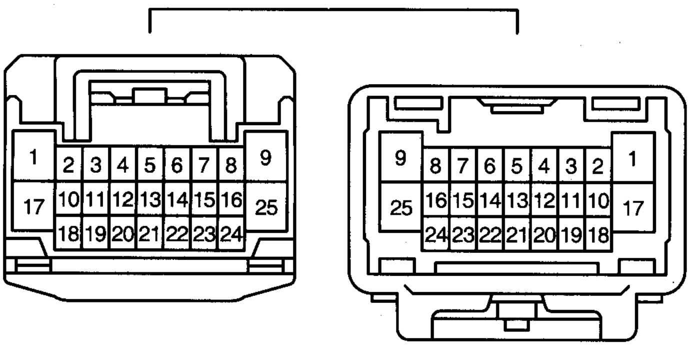

**EL1**



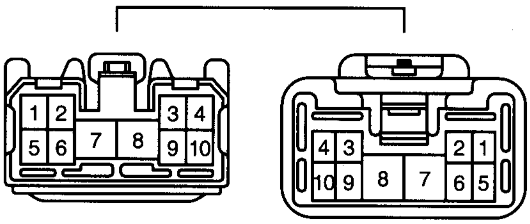

**EL2**



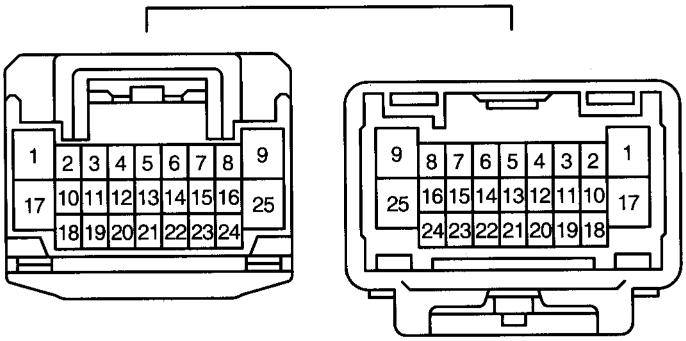

**EL3** Gray



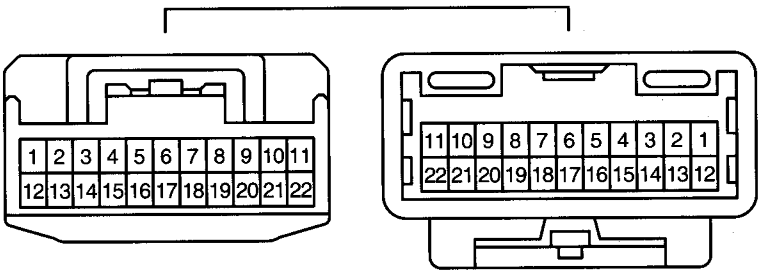

**EL5** Gray



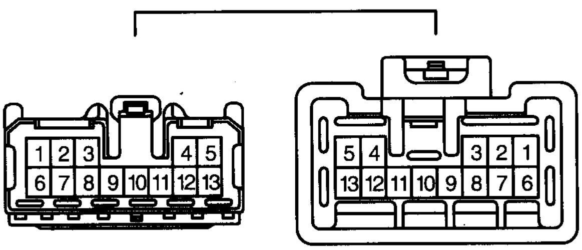
**EM1** Gray



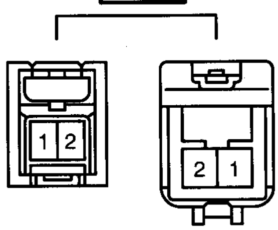

**EM2**



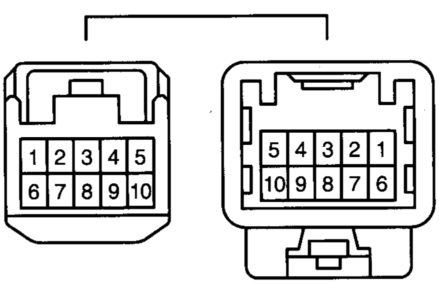

**EM3**



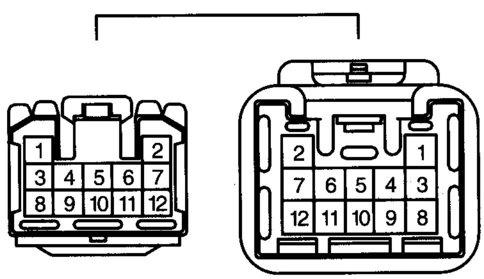

**EU1** Yellow



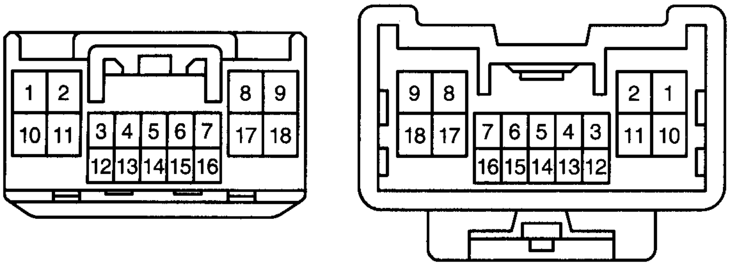

**Ez1**



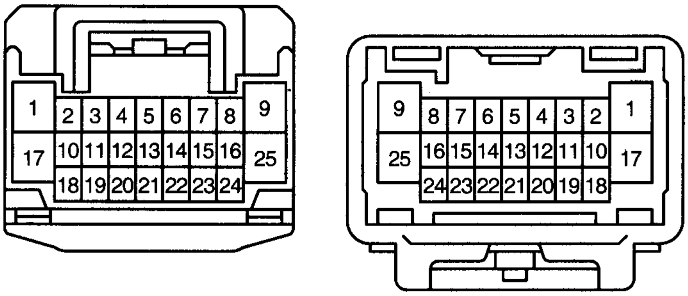

**HE1** Blue



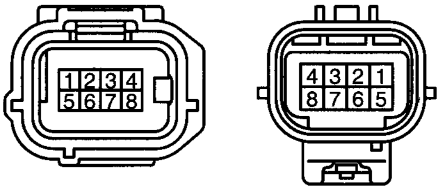
HE2



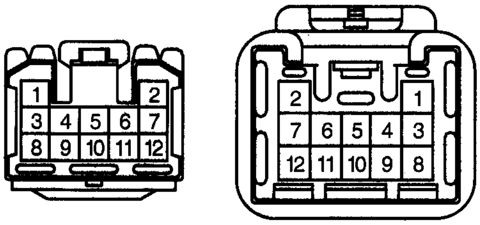

HE3



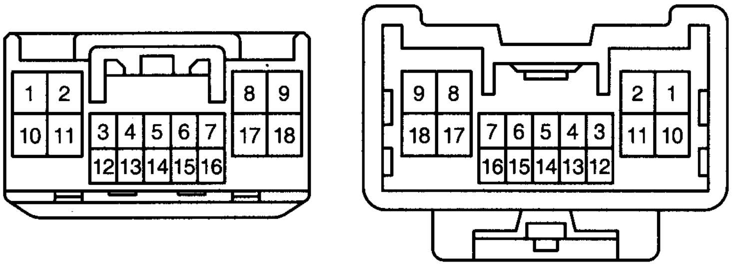

HS1 Gray



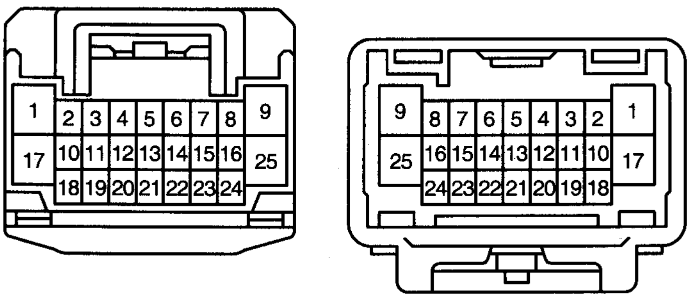

IE1 Blue



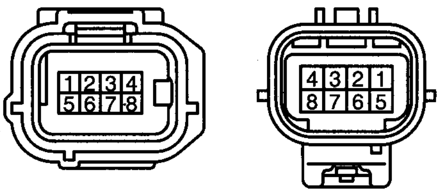

IE2



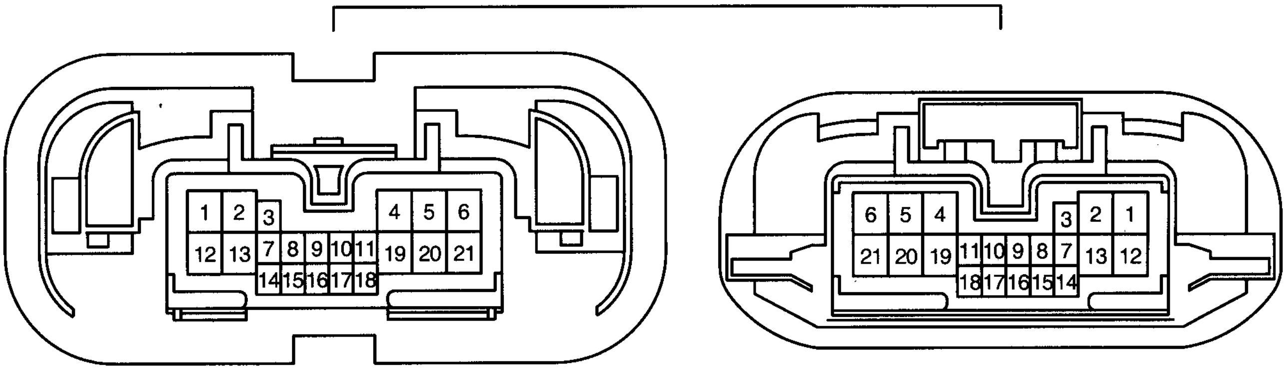

IE3



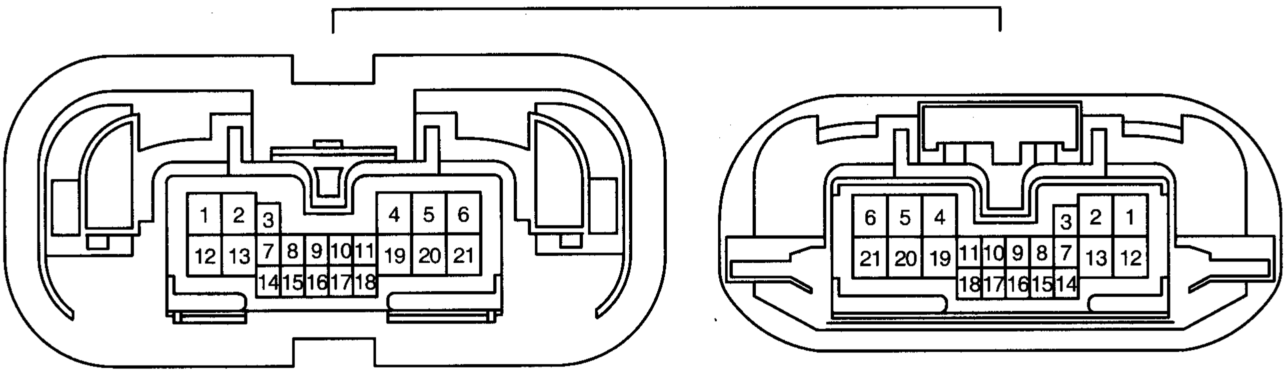

IT1 Gray



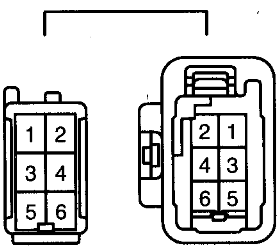
**JM1**



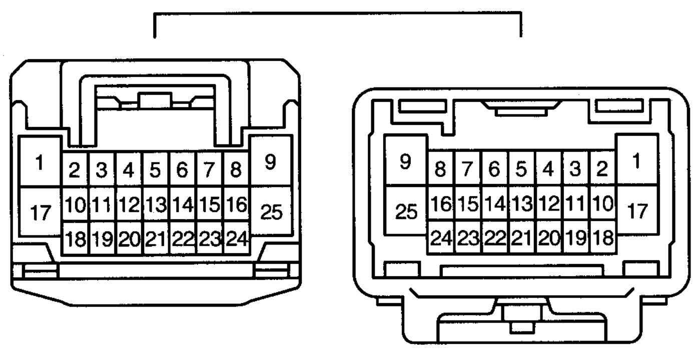

**KL1**



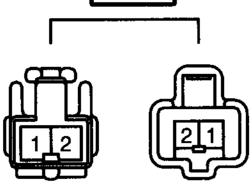

**NM1**



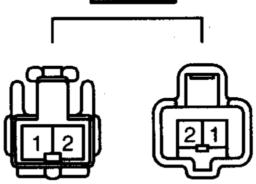

**OE1**



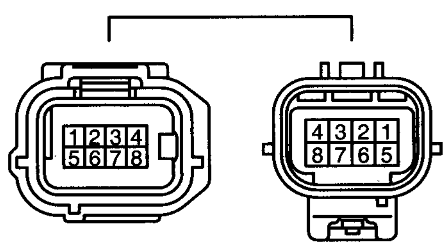

**VL1**

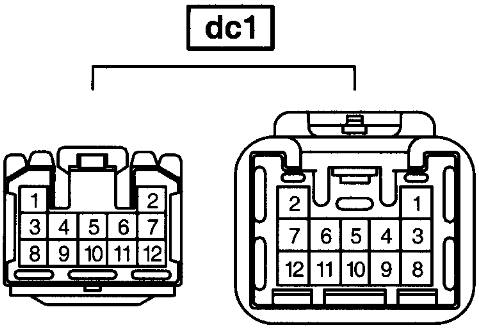



**WM1**




**bM1** Gray




dc1
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## L 连接器零件号

| 代码 | 零件名 | 零件号 |
|---|---|---|
| A 1 | 刹车灯开关总成 | 90980 - 11118 |
| A 3 | 油门踏板传感器总成 | 90980 - 12303 |
| A 4 | 巡航控制离合器开关（离合器起动开关总成） | 90980 - 10825 |
| A 5 | 离合器起动开关总成 | |
| A 6 | 左侧转向信号灯总成 | 90980 - 11162 |
| A 7 | 左前转向信号灯（左侧前大灯总成） | 90980 - 11019 |
| A 8 | 左前示宽灯（左侧前大灯总成） | 90980 - 11156 |
| A 9 | 左侧前大灯光束高度调整电动机（左侧前大灯总成） | 90980 - 11016 |
| A10 | 左前气囊传感器 | 90980 - 11856 |
| A11 | 挡风玻璃刮水器电动机总成 | 90980 - 11599 |
| A12 | 制动液液位警告开关（制动主缸储液罐分总成） | 90980 - 11207 |
| A14 | 快速加热器总成 | 90980 - 10956 |
| A15 | 快速加热器总成 | 90980 - 10903 |
| A16 | 空调压力传感器 | 90980 - 10845 |
| A17 | 挡风玻璃清洗器电动机和泵总成 | 90980 - 11019 |
| A18 | 右前转向信号灯（右侧前大灯总成） | |
| A19 | 右前示宽灯（右侧前大灯总成） | 90980 - 11156 |
| A20 | 右侧前大灯光束高度调整电动机（右侧前大灯总成） | 90980 - 11016 |
| A21 | 右前气囊传感器 | 90980 - 12490 |
| A22 | 右侧雾灯总成 | 82824 - 60460 |
| A23 | 环境温度传感器 | 90980 - 11070 |
| A25 | 左侧雾灯总成 | 82824 - 60460 |
| A26 | 右侧转向信号灯总成 | 90980 - 11162 |
| A27 | 右前转速传感器 | 90980 - 12416 |
| A28 | 左前转速传感器 | |
| A35 | 前大灯光束高度调整 ECU 总成 | 90980 - 12404 |
| A37 | 右侧前大灯总成（远光） | 90980 - 11659 |
| A38 | 左侧前大灯总成（远光） | |
| A39 | 右侧前大灯总成（近光） | 90980 - 11255 |
| A40 | 左侧前大灯总成（近光） | |
| A41 | 2 号冷却风扇 ECU | 90980 - 10841 |
| A42 | 遥控门锁蜂鸣器 | 90980 - 11142 |
| A43 | 前大灯清洗器控制继电器 | 90980 - 10939 |
| A44 | 前大灯清洗器喷嘴电动机和泵总成 | 90080 - 98116 |
| A45 | 接线连接器 | 90980 - 11661 |
| A46 | 接线连接器 | |
| A47 | 接线连接器 | 90980 - 11915 |
| A48 | 接线连接器 | 90980 - 11661 |
| A49 | 接线连接器 | |

| 代码 | 零件名 | 零件号 |
|---|---|---|
| A50 | ECM | 90980 - 12461 |
| A51 | 制动器执行器总成 | 90980 - 12686 |
| A60 | 发动机盖锁总成 | 90980 - 12416 |
| A64 | 右侧前大灯总成（近光） | 90980 - 11660 |
| A65 | 左侧前大灯总成（近光） | |
| A66 | 制动器执行器总成 | 90980 - 12687 |
| A75 | 动力转向 ECU 总成 | 90980 - 12653 |
| A81 | 挡风玻璃清洗器电动机和泵总成 | 90980 - 10981 |
| A82 | 低音喇叭总成 | 90980 - 10619 |
| A83 | 高音喇叭总成 | |
| A84 | 警报喇叭总成 | |
| A85 | 1 号右前超声波传感器 | 90980 - 12303 |
| A86 | 1 号左前超声波传感器 | |
| B 1 | 发电机总成 | 82675 - 26220 |
| B 2 | 质量空气流量计 | 90980 - 12292 |
| B 3 | E.F.I. 发动机冷却液温度传感器 | 90980 - 10735 |
| B 4 | 起动机总成 | 90980 - 09463 |
| B 6 | 发动机机油压力开关总成 | 90980 - 11363 |
| B 7 | 带皮带轮压缩机总成 | 90980 - 11156 |
| B 8 | 起动机总成 | 90980 - 11400 |
| B 9 | 1 号喷油器总成 | 90980 - 11875 |
| B10 | 2 号喷油器总成 | |
| B11 | 3 号喷油器总成 | |
| B12 | 4 号喷油器总成 | |
| B13 | 1 号曲轴位置传感器 | 90980 - 12611 |
| B14 | 发电机总成 | 90980 - 11964 |
| B15 | 氧传感器 (B1 S1) | 90980 - 10869 |
| B19 | 清污 VSV | 90980 - 11156 |
| B20 | VVT 传感器（排气侧） | 90980 - 12353 |
| B21 | VVT 传感器（进气侧） | |
| B22 | 凸轮轴正时机油控制阀总成（排气侧） | 90980 - 11162 |
| B23 | 凸轮轴正时机油控制阀总成（进气侧） | |
| B24 | 氧传感器 (B1 S2) | 90980 - 11930 |
| B25 | 带电动机的节气门体总成 | 90980 - 11858 |
| B26 | 1 号点火线圈总成 | 90980 - 11885 |
| B27 | 2 号点火线圈总成 | |
| B28 | 3 号点火线圈总成 | |
| B29 | 4 号点火线圈总成 | |
| B30 | 静噪滤波器（点火） | 90980 - 10843 |
| B31 | ECM | 90980 - 12398 |
| B60 | 倒车灯开关总成 | 90980 - 11051 |

注：未提供上述连接器的所有零件号。

| 代码 | 零件名 | 零件号 |
|---|---|---|
| B88 | 驻车档 / 空档位置开关总成 | 90980 - 12362 |
| B89 | 空燃比传感器 (B1 S1) | 90980 - 10869 |
| B90 | 电子控制变速器电磁阀 | 90980 - 11658 |
| B91 | 变速器转速传感器 | 90980 - 11156 |
| D 1 | 爆震控制传感器 (B1) | 90980 - 11875 |
| E 1 | 导航接收器总成 | 90980 - 10997 |
| E 2 | 导航接收器总成 | 90980 - 10996 |
| E 3 | 放大器天线总成 | 90980 - 10871 |
| E 4 | 点火或起动机开关总成 | 90980 - 11615 |
| E 5 | 未锁止警告开关总成 | 90980 - 12063 |
| E 6 | 螺旋电缆分总成 | 90980 - 12552 |
| E 7 | 螺旋电缆分总成 | 90980 - 12160 |
| E 8 | 前大灯变光开关总成 | 90980 - 12460 |
| E 9 | 挡风玻璃刮水器开关总成 | 90980 - 12358 |
| E10 | 挡风玻璃刮水器开关总成 | 90980 - 12359 |
| E11 | DLC3 | 90980 - 11665 |
| E12 | 驻车制动开关总成 | 90980 - 10871 |
| E14 | 中间气囊传感器总成 | 90980 - 12391 |
| E16 | 加热器或辅助通风装置控制总成 | 90980 - 11909 |
| E17 | 2 号车外后视镜开关总成 | 90980 - 11657 |
| E18 | 点烟器总成 | 90980 - 10795 |
| E20 | 手套箱灯总成 | 90980 - 11918 |
| E21 | 收发器钥匙 ECU 总成 | 90980 - 12423 |
| E22 | 识别码盒 | 90980 - 12558 |
| E23 | 带风扇的鼓风机电动机分总成 | 90980 - 11667 |
| E25 | 车内温度传感器 | 90980 - 11918 |
| E26 | 导航接收器总成 | 90980 - 12460 |
| E29 | 收发器钥匙放大器 | 90980 - 12092 |
| E30 | 空调放大器总成 | 90980 - 12557 |
| E32 | 动力转向 ECU 总成 | 90980 - 12614 |
| E34 | 导航接收器总成 | 90980 - 12404 |
| E35 | 导航接收器总成 | 90980 - 11909 |
| E36 | 认证 ECU 总成 | 90980 - 12388 |
| E37 | 前电子钥匙振荡器 | 90980 - 12695 |
| E38 | 电源开关 | 90980 - 12370 |
| E39 | 转向锁执行器总成 | 90980 - 12092 |
| E41 | 危险警告信号开关总成 | 82824 - 21030 |
| E42 | 前大灯清洗器开关总成 | 90980 - 12551 |
| E44 | 前大灯光束高度调整开关 | 90980 - 11950 |
| E46 | 组合仪表总成 | 90980 - 12557 |
| E47 | VSC Off 开关 | 90980 - 12550 |
| E49 | 转向传感器 | 90980 - 12366 |
| E50 | 主车身 ECU | 90980 - 12561 |
| E51 | 主车身 ECU | 90980 - 12329 |

| 代码 | 零件名 | 零件号 |
|---|---|---|
| E52 | 主车身 ECU | 90980 - 12458 |
| E53 | 接线连接器 | 90980 - 10799 |
| E54 | 接线连接器 | 90980 - 11661 |
| E55 | 接线连接器 | |
| E56 | 接线连接器 | |
| E57 | 接线连接器 | |
| E58 | 接线连接器 | 90980 - 11915 |
| E59 | 接线连接器 | |
| E60 | 前大灯变光开关总成 | 90980 - 12007 |
| E61 | 主车身 ECU | 90980 - 12444 |
| E62 | 空调放大器总成 | 90980 - 12553 |
| E63 | 空调放大器总成 | 90980 - 12554 |
| E64 | 带风扇的鼓风机电动机分总成 | 90980 - 11579 |
| E65 | 3 号加热器控制分总成 | 90980 - 12558 |
| E66 | 鼓风机电阻器 | 90980 - 11136 |
| E67 | 1 号冷却器热敏电阻 | 90980 - 11918 |
| E68 | 再循环风门伺服机构分总成 | 90980 - 11909 |
| E69 | 加热器控制器底座分总成 | 90980 - 12550 |
| E70 | 加热器控制器分总成 | 90980 - 10993 |
| E75 | 防盗警报 ( 遥控和安全 ) ECU 总成 | 90980 - 12564 |
| E81 | 换档锁止控制 ECU 分总成 | 90980 - 12551 |
| E82 | 钥匙互锁电磁阀 | 90980 - 10825 |
| E83 | 变速器控制开关 | 90980 - 12370 |
| E86 | 网络网关 ECU | 90980 - 12423 |
| E87 | 安全指示灯总成 | 90980 - 12063 |
| E88 | 横摆率传感器总成 | 90980 - 12303 |
| E89 | 间隙警告 ECU 总成 | 90980 - 12404 |
| E90 | 1 号间隙警告蜂鸣器 | 90980 - 10825 |
| E91 | 警告灯总成 | 90980 - 11918 |
| E92 | 警告灯总成 | 90980 - 12552 |
| E93 | 二极管 ( 右前车门门控灯开关总成 ) | 90980 - 10962 |
| E94 | 二极管 ( 左前车门门控灯开关总成 ) | |
| E95 | 电视摄像机控制器 | 90980 - 12557 |
| E96 | 电视摄像机控制器 | 90980 - 10997 |
| E97 | 接线连接器 | 90980 - 12355 |
| E98 | 接线连接器 | 90980 - 10871 |
| E99 | 接线连接器 | 90980 - 12355 |
| E100 | 导航接收器总成 | 90980 - 12593 |
| E101 | 电视摄像机控制器 | 90980 - 12596 |
| E102 | 收音机总成 | 90980 - 10997 |
| E103 | 收音机总成 | 90980 - 10996 |
| E104 | 收音机总成 | 90980 - 12460 |

| 代码 | 零件名 | 零件号 |
|---|---|---|
| F 1 | 阳光传感器 | 90980 - 11918 |
| F 2 | 自动灯控传感器 | 90980 - 11107 |
| H 1 | 右前 1 号扬声器总成 | 90980 - 10935 |
| H 2 | 右侧车外后视镜总成 | 90980 - 12189 |
| H 4 | 右前 2 号扬声器总成 | 90980 - 12304 |
| H 6 | 右前车门门锁总成 | 90980 - 12226 |
| H 7 | 右前电动车窗升降器开关总成 | 90980 - 10789 |
| H 8 | 右前电动车窗升降器电动机总成 | 90980 - 10797 |
| H 9 | 右前车门门控灯总成 | 90980 - 11148 |
| I 1 | 左前 1 号扬声器总成 | 90980 - 10935 |
| I 2 | 左侧车外后视镜总成 | 90980 - 12189 |
| I 3 | 电动车窗升降器主开关总成 | 90980 - 12122 |
| I 4 | 左前 2 号扬声器总成 | 90980 - 12304 |
| I 5 | 左前车门门锁总成 | 90980 - 12226 |
| I 6 | 左前电动车窗升降器电动机总成 | 90980 - 12328 |
| I 9 | 左前车门门控灯总成 | 90980 - 11148 |
| J 1 | 右后电动车窗升降器开关总成 | 90980 - 10789 |
| J 2 | 右后车门车窗升降器分总成 | 90980 - 10797 |
| J 3 | 右后车门门锁总成 | 90980 - 12226 |
| K 1 | 左后电动车窗升降器开关总成 | 90980 - 10789 |
| K 2 | 左后车门车窗升降器分总成 | 90980 - 10797 |
| K 3 | 左后车门门锁总成 | 90980 - 12226 |
| L 1 | 右后扬声器总成 | 90980 - 11300 |
| L 2 | 左后扬声器总成 | |
| L 3 | 左前车门门控灯开关总成 | 90980 - 10871 |
| L 4 | 左前座椅外安全带总成 | 90980 - 12452 |
| L 5 | 左后车门门控灯开关总成 | 90980 - 10871 |
| L 7 | 左后组合灯总成 | 90980 - 10795 |
| L 8 | 中央刹车灯总成 | 90980 - 10860 |
| L 9 | 右侧牌照灯总成 | 90980 - 11148 |
| L10 | 左侧牌照灯总成 | |
| L11 | 左后灯总成 | |
| L12 | 左前侧气囊传感器总成 | 90980 - 12699 |
| L13 | 左后侧气囊传感器总成 | 90980 - 12717 |
| L14 | 左侧窗帘式安全气囊总成 | 90980 - 12575 |
| L15 | 左侧气囊点火管电路 | 90980 - 12698 |
| L16 | 中间气囊传感器总成 | 90980 - 12449 |
| L17 | 燃油泵 | 90980 - 11077 |
| | 燃油表传感器总成 | |
| L18 | 行李箱门锁总成 | 90980 - 10908 |
| L19 | 1 号行李箱灯总成 | 90980 - 11148 |
| L20 | 静噪滤波器(刹车灯) | 90980 - 10916 |
| L21 | 后窗除雾器(背窗玻璃) | 90980 - 10914 |
| L22 | 左前座椅内安全带总成 | 90980 - 10825 |
| L24 | 二极管(1 号行李箱灯总成) | 90980 - 10962 |

| 代码 | 零件名 | 零件号 |
|---|---|---|
| L25 | 后电子钥匙振荡器 | 90980 - 12695 |
| L26 | 行李箱门开启器开关总成 | 90980 - 11967 |
| L27 | 行李箱门锁锁芯总成 | 90980 - 11060 |
| L28 | 右后灯总成 | 90980 - 11148 |
| L29 | 右后组合灯总成 | 90980 - 10795 |
| L30 | 接线连接器 | 90980 - 11661 |
| L31 | 接线连接器 | |
| L34 | 接线连接器 | 90980 - 10803 |
| L44 | 中央刹车灯总成 | 90980 - 11967 |
| L45 | 电视摄像机总成 | 90980 - 12212 |
| L46 | 接线连接器 | 90980 - 12374 |
| M 1 | 右前车门门控灯开关总成 | 90980 - 10871 |
| M 2 | 右前座椅外安全带总成 | 90980 - 12452 |
| M 3 | 右后车门门控灯开关总成 | 90980 - 10871 |
| M 4 | 右前侧气囊传感器总成 | 90980 - 12699 |
| M 5 | 右后侧气囊传感器总成 | 90980 - 12717 |
| M 6 | 右侧窗帘式安全气囊总成 | 90980 - 12575 |
| M 7 | 右侧气囊点火管电路 | 90980 - 12698 |
| M 8 | 中间气囊传感器总成 | 90980 - 12450 |
| M10 | 右前座椅内安全带总成 | 90980 - 10825 |
| M12 | 2 号车门控制接收器 | 90980 - 12366 |
| M13 | 行李箱外电子钥匙天线 | 90980 - 12381 |
| M14 | 3 号车门控制接收器 | 90980 - 50011 |
| M15 | 电子钥匙天线 | 90980 - 12043 |
| N 1 | 后高度控制传感器分总成 | 90980 - 12353 |
| N 2 | 行李箱内电子钥匙振荡器 | 90980 - 12695 |
| O 1 | 1 号车厢照明灯总成 | 81366 - 68010 |
| O 2 | 右侧遮阳板总成 | 90980 - 12322 |
| O 3 | 左侧遮阳板总成 | |
| O 4 | 右侧梳妆灯总成 | 81391 - 30010 |
| O 5 | 左侧梳妆灯总成 | |
| O 8 | 阅读灯总成 | 90980 - 12559 |
| O 9 | 滑动天窗控制 ECU | 90980 - 10997 |
| P 1 | 后窗除雾器(背窗玻璃) | 90980 - 10913 |
| S 1 | 右前车门外把手总成 | 90980 - 12382 |
| S 2 | 右前车门电子钥匙振荡器 | 90980 - 12380 |
| T 1 | 左前车门外把手总成 | 90980 - 12382 |
| T 2 | 左前车门电子钥匙振荡器 | 90980 - 12380 |
| U 1 | 前排乘客侧点火管电路 | 90980 - 12576 |
| V 1 | 左后转速传感器 | 90980 - 12416 |
| W 1 | 右后转速传感器 | |
| X 1 | 空调放大器总成 | 90980 - 12264 |
| | 空调鼓风机总成 | |
| Y 1 | 螺旋电缆分总成 | 90980 - 12361 |
| | 方向盘装饰盖开关总成 | |

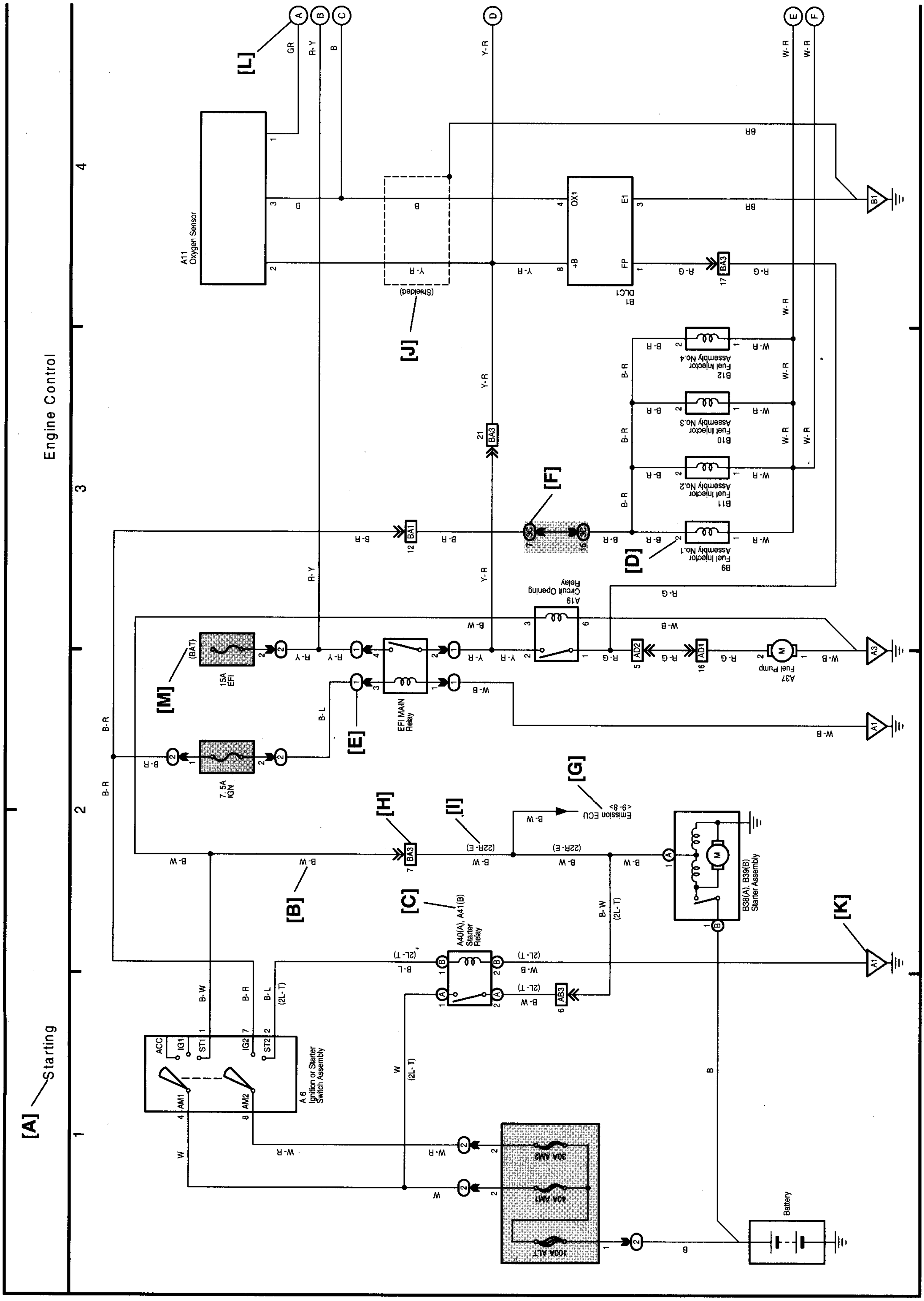
注:未提供上述连接器的所有零件号。

| 代码 | 零件名 | 零件号 |
|---|---|---|
| Y 2 | 巡航控制主开关 | 90980 - 12360 |
| | 螺旋电缆分总成 | |
| Y 3 | 驾驶员侧点火管电路 | 90980 - 12224 |
| | 螺旋电缆分总成 | |
| a 1 | 动力转向 ECU 总成 | 90980 - 12221 |
| | 转向柱总成 | |
| a 3 | 动力转向 ECU 总成 | 90980 - 12299 |
| | 转向柱总成 | |
| b 1 | 1 号右后超声波传感器 | 90980 - 12303 |
| b 2 | 1 号左后超声波传感器 | |
| b 3 | 1 号右后中间超声波传感器 | |
| b 4 | 1 号左后中间超声波传感器 | |

| 代码 | 零件名 | 零件号 |
|---|---|---|
| c 1 | 左前电动座椅滑动位置电动机总成 | 90980 - 10825 |
| c 2 | 左前电动座椅升降位置电动机总成 | |
| c 3 | 前排电动座椅开关 | 90980 - 10997 |
| c 4 | 电动座椅开关总成 | 90980 - 10789 |
| c 5 | 左前座椅内安全带总成 | 90980 - 10825 |
| c 6 | 接线连接器 | 90980 - 12374 |
| d 1 | 左前电动座椅倾斜位置电动机总成 | 90980 - 10825 |
| d 2 | 左前腰部支撑电动机总成 | |
| z 1 | 阳光传感器 | 90980 - 11918 |
| | | |

如何查阅此章

*以下所显示的系统图仅为参考示样图，不同于电路图一章中的实际电路。



**[A]**：系统名称

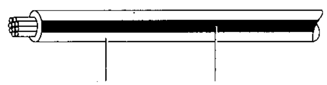
**[B]**：表示配线颜色。

配线颜色由字母表示。

| | | |
|---|---|---|
| B = 黑色 | W = 白色 | BR = 棕色 |
| L = 蓝色 | V = 紫色 | SB = 天蓝色 |
| R = 红色 | G = 绿色 | LG = 浅绿色 |
| P = 粉色 | Y = 黄色 | GR = 灰色 |
| O = 橙红 | | |

第一个字母表示基本配线颜色，第二个表示条纹的颜色。

例： L - Y

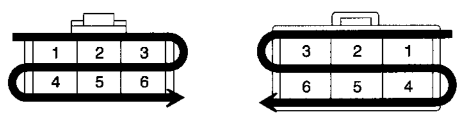



**[C]**：零件位置与电路图和配线路径中显示的一致。

**[D]**：表示连接器引脚数。

阴连接器和阳连接器的编号系统互不相同。

例： 从左上到右下编号　　从右上到左下编号




阴连接器　　阳连接器

总电路图的编号系统与上面相同。

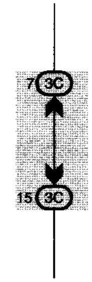
**[E]**：表示继电器盒。用无阴影表示且仅显示继电器盒号以区别接线盒。

例：① 表示 1 号继电器盒

**[F]**：接线盒（圈内数字为接线盒号，旁边为连接器代码）。

接线盒用阴影标出，以便将它和其他零件区别开来。

例：

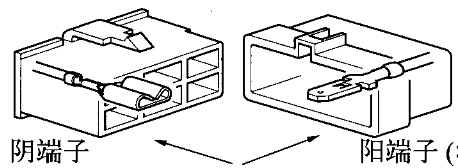



3C 表示它在 3 号接线盒内部

**[G]**：表示相关系统。

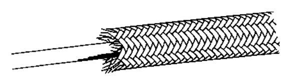
**[H]**：表示线束和线束连接器。带阳端子的线束以箭头（≫）表示。

外侧数字为引脚数。




**[I]**：车辆型号、发动机类型或规格不同时用（ ）表示不同的配线和连接器。

**[J]**：表示屏蔽电缆。



**[K]**：指示搭铁点。

**[L]**：出现在下页中的相同代码显示线束连续。

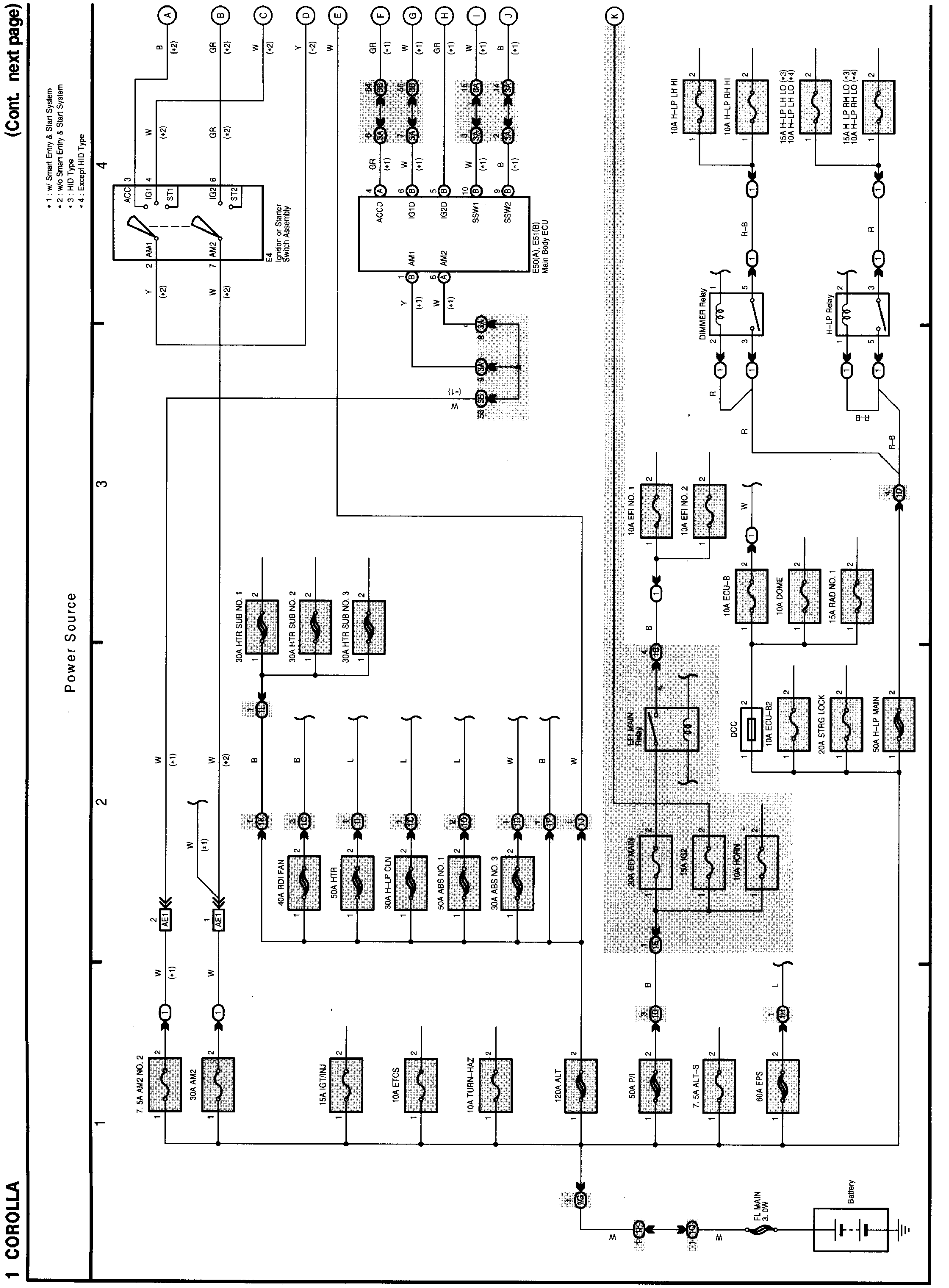
**[M]**：指示保险丝通电时点火钥匙的位置。

# 系统索引

| 系统 | 位置 |
|---|---|
| ABS（带 VSC） | 18-1 |
| ABS（不带 VSC） | 19-1 |
| 空调（自动空调） | 34-1 |
| 空调（手动空调） | 35-1 |
| 音响系统 | 29-1 |
| 倒车灯 | 13-1 |
| 充电 | 5-1 |
| 点烟器 | 25-4 |
| 组合仪表（除光电仪表外） | 32-1 |
| 组合仪表（光电仪表） | 31-1 |
| 冷却风扇 | 33-1 |
| 巡航控制 | 7-10 |
| DLC3 | 8-1 |
| ECT 和 A/T 指示器 | 7-11 |
| 发动机控制 | 7-1 |
| 发动机停机系统（不带智能上车和起动系统） | 8-2 |
| EPS | 22-1 |
| 前雾灯 | 13-2 |

| 系统 | 位置 |
|---|---|
| 前刮水器和清洗器 | 23-1 |
| 前大灯光束高度自动控制（自动） | 15-1 |
| 前大灯光束高度控制（手动） | 16-1 |
| 前大灯清洗器 | 28-1 |
| 前大灯（带自动灯控） | 9-1 |
| 喇叭 | 24-1 |
| 点火 | 6-1 |
| 照明 | 11-1 |
| 车灯提醒器 | 11-11 |
| 后视镜加热器 | 27-1 |
| 多路通信系统 (CAN)<br>* 自动灯控<br>* 门锁控制<br>* 前大灯（带自动灯控）<br>* 车内照明灯<br>* 钥匙提醒器（不带智能上车和起动系统）<br>* 灯自动熄灭系统<br>* 行李箱门开启器<br>* 防盗<br>* 遥控门锁控制（不带智能上车和起动系统） | 2-1 |
| 导航系统 | 29-1 |
| 驻车辅助（倒车监视） | 29-1 |
| 驻车辅助（丰田驻车辅助传感器） | 30-1 |

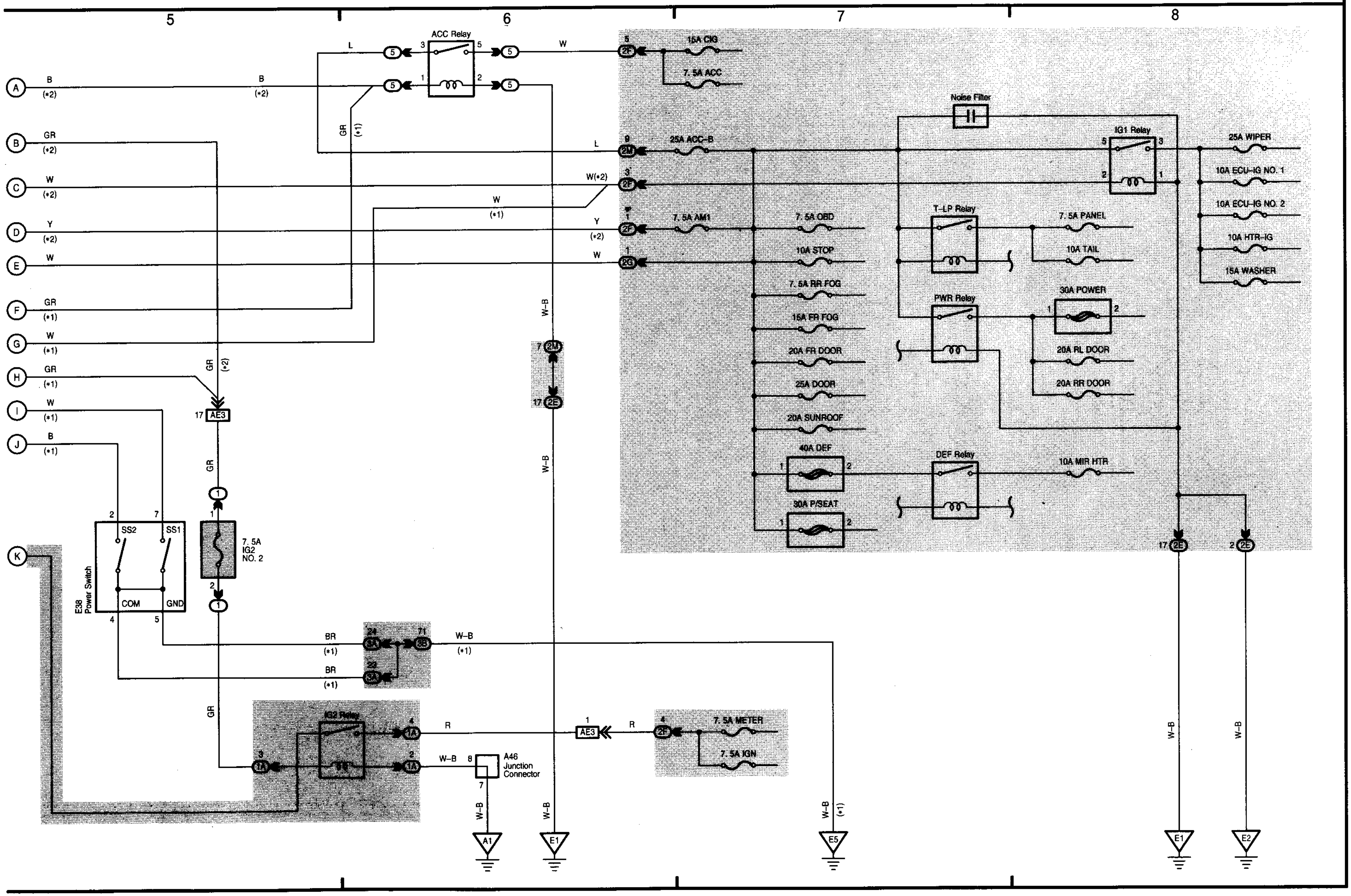
# 系统索引



1 COROLLA
(Cont. next page)
Power Source
* 1 : w/ Smart Entry & Start System
* 2 : w/o Smart Entry & Start System
* 3 : HID Type
* 4 : Except HID Type
E4
Ignition or Starter Switch Assembly
ACC
IG1
ST1
IG2
ST2
AM1
AM2
E50(A), E51(B)
Main Body ECU
ACCD
IG1D
IG2D
SSW1
SSW2
DIMMER Relay
H-LP Relay
EFI MAIN Relay
10A H-LP LH HI
10A H-LP RH HI
15A H-LP LH LO (*3)
10A H-LP LH LO (*4)
15A H-LP RH LO (*3)
10A H-LP RH LO (*4)
10A EFI NO. 1
10A EFI NO. 2
10A ECU-B
10A DOME
15A RAD NO. 1
DCC
10A ECU-B2
20A STRG LOCK
50A H-LP MAIN
30A HTR SUB NO. 1
30A HTR SUB NO. 2
30A HTR SUB NO. 3
40A RDI FAN
50A HTR
30A H-LP CLN
50A ABS NO. 1
30A ABS NO. 3
20A EFI MAIN
15A IG2
10A HORN
7.5A AM2 NO. 2
30A AM2
15A IGT/INJ
10A ETCS
10A TURN-HAZ
120A ALT
50A P/I
7.5A ALT-S
60A EPS
FL MAIN
3.0W
Battery

Power Source

* 1 : w/ Smart Entry & Start System
* 2 : w/o Smart Entry & Start System



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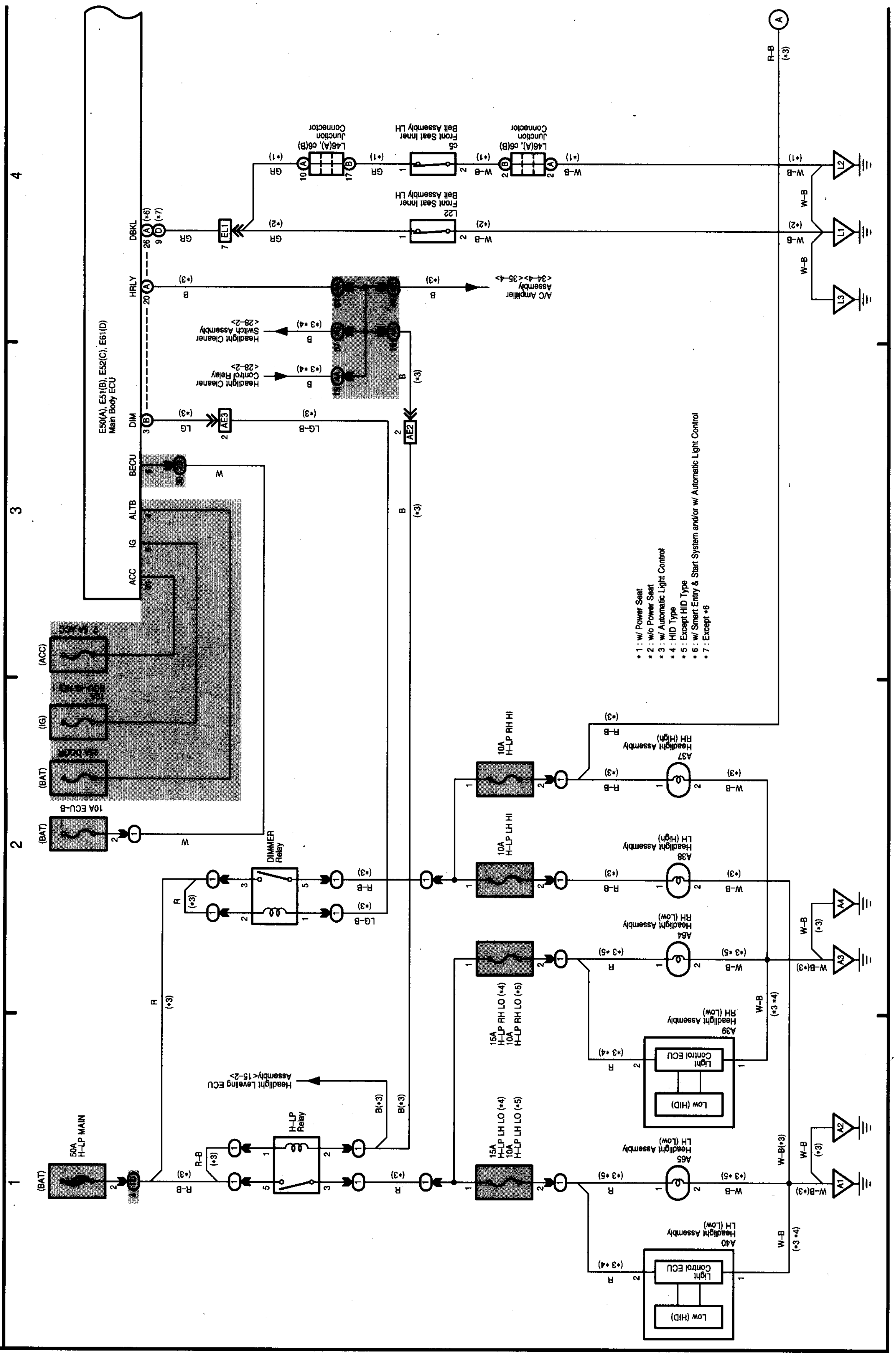
Multiplex Communication System (CAN)

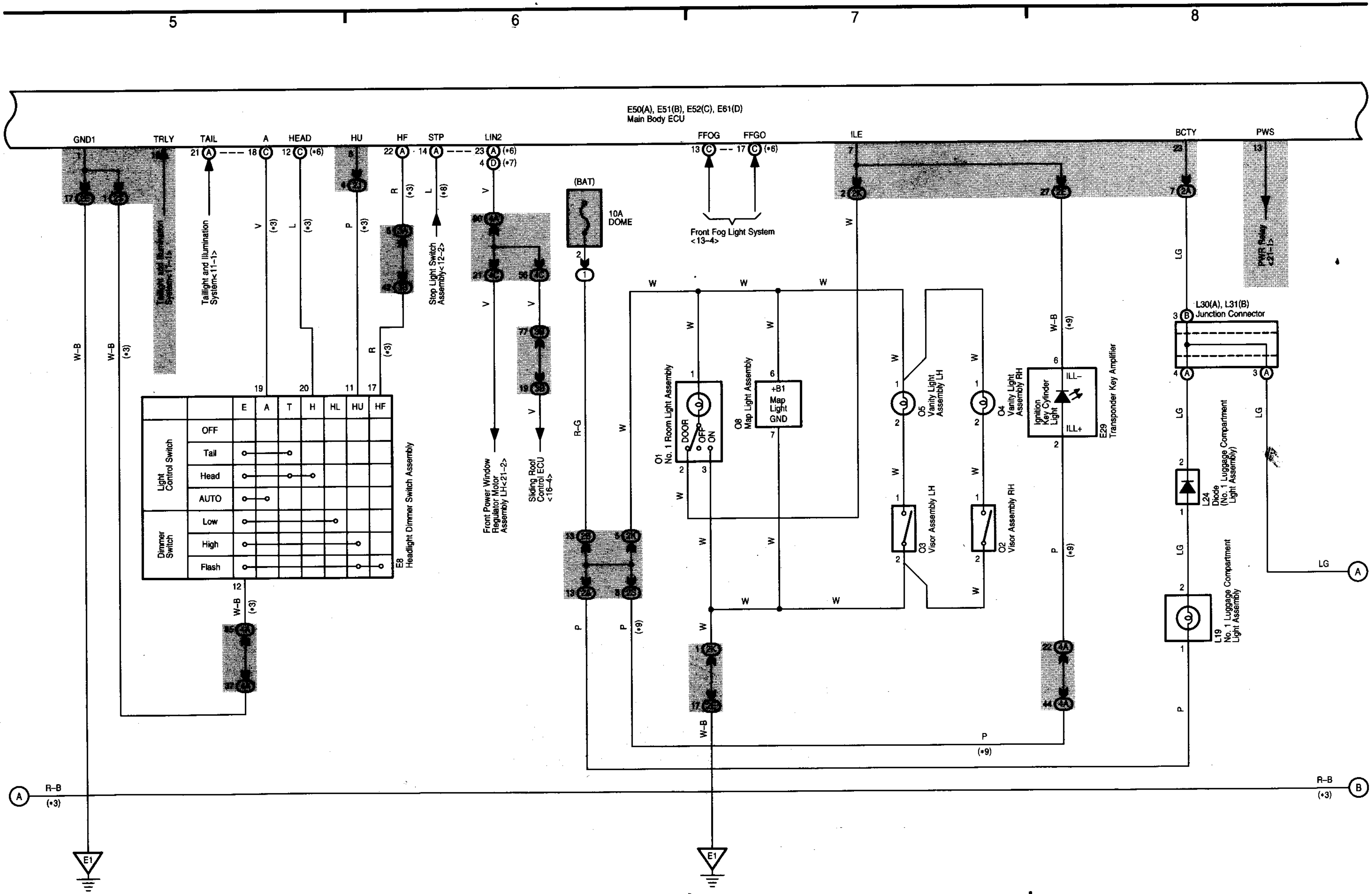



2 COROLLA

(Cont. next page)

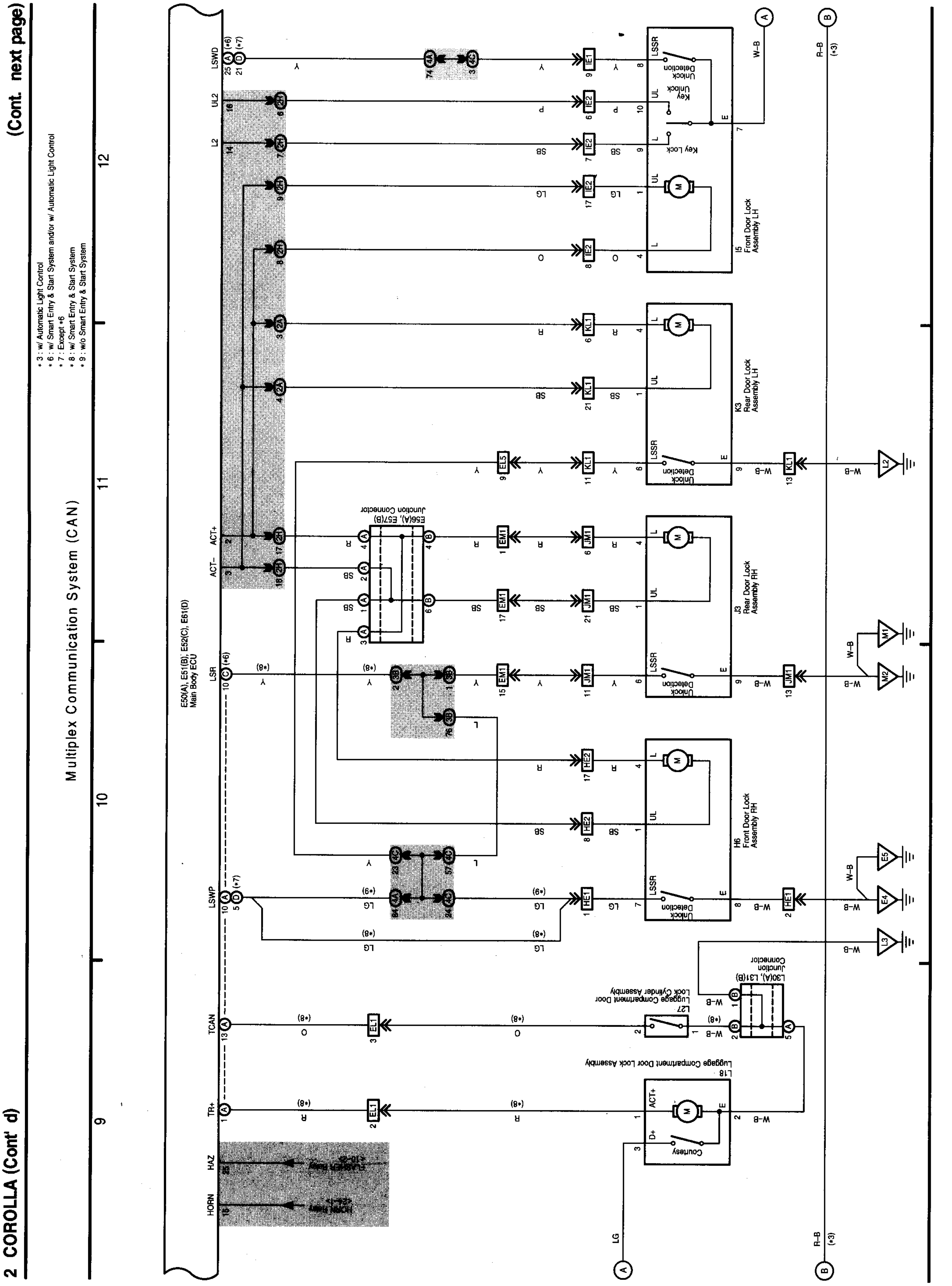
Multiplex Communication System (CAN)

* 3 : w/ Automatic Light Control
* 6 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
* 7 : Except *6
* 8 : w/ Smart Entry & Start System
* 9 : w/o Smart Entry & Start System

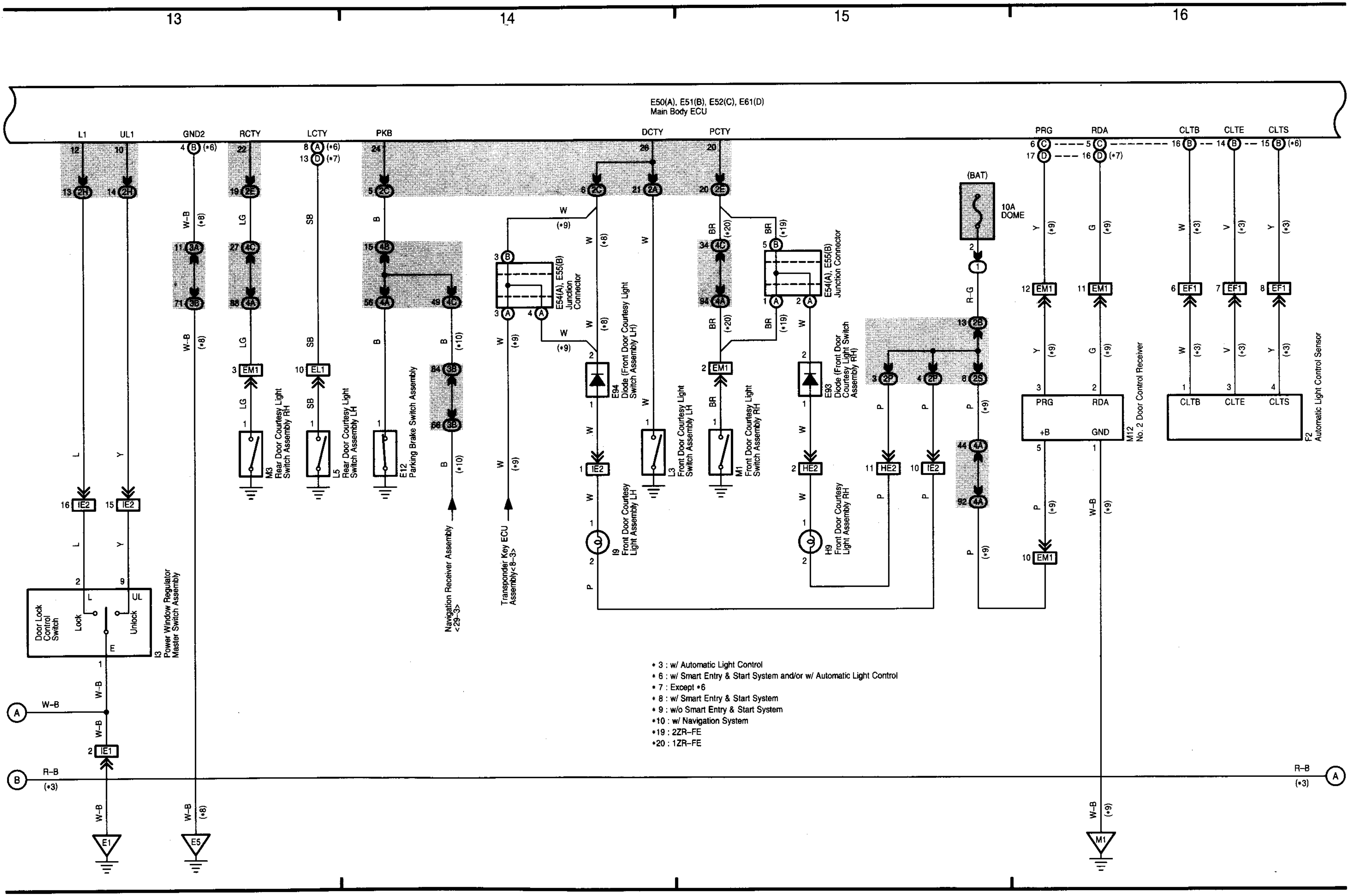




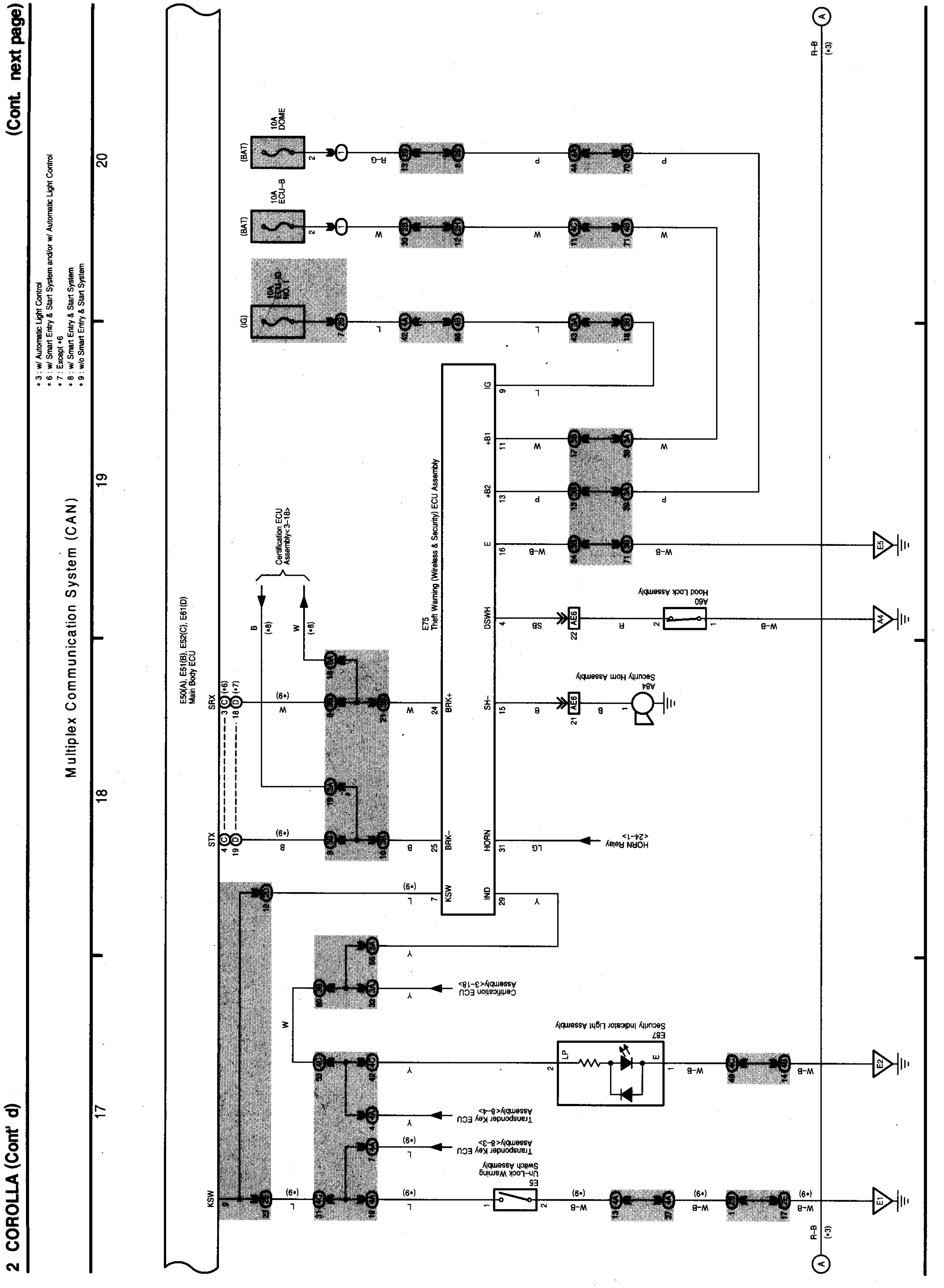

M


2 COROLLA (Cont' d)
(Cont. next page)
Multiplex Communication System (CAN)
* 3 : w/ Automatic Light Control
* 6 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
* 7 : Except *6
* 8 : w/ Smart Entry & Start System
* 9 : w/o Smart Entry & Start System
E50(A), E51(B), E52(C), E61(D)
Main Body ECU
E56(A), E57(B)
Junction Connector
I5
Front Door Lock Assembly LH
K3
Rear Door Lock Assembly LH
J3
Rear Door Lock Assembly RH
H6
Front Door Lock Assembly RH
L27
Luggage Compartment Door Lock Cylinder Assembly
L30(A), L31(B)
Junction Connector
L18
Luggage Compartment Door Lock Assembly
Key Lock
Key Unlock
Unlock Detection
Courtesy

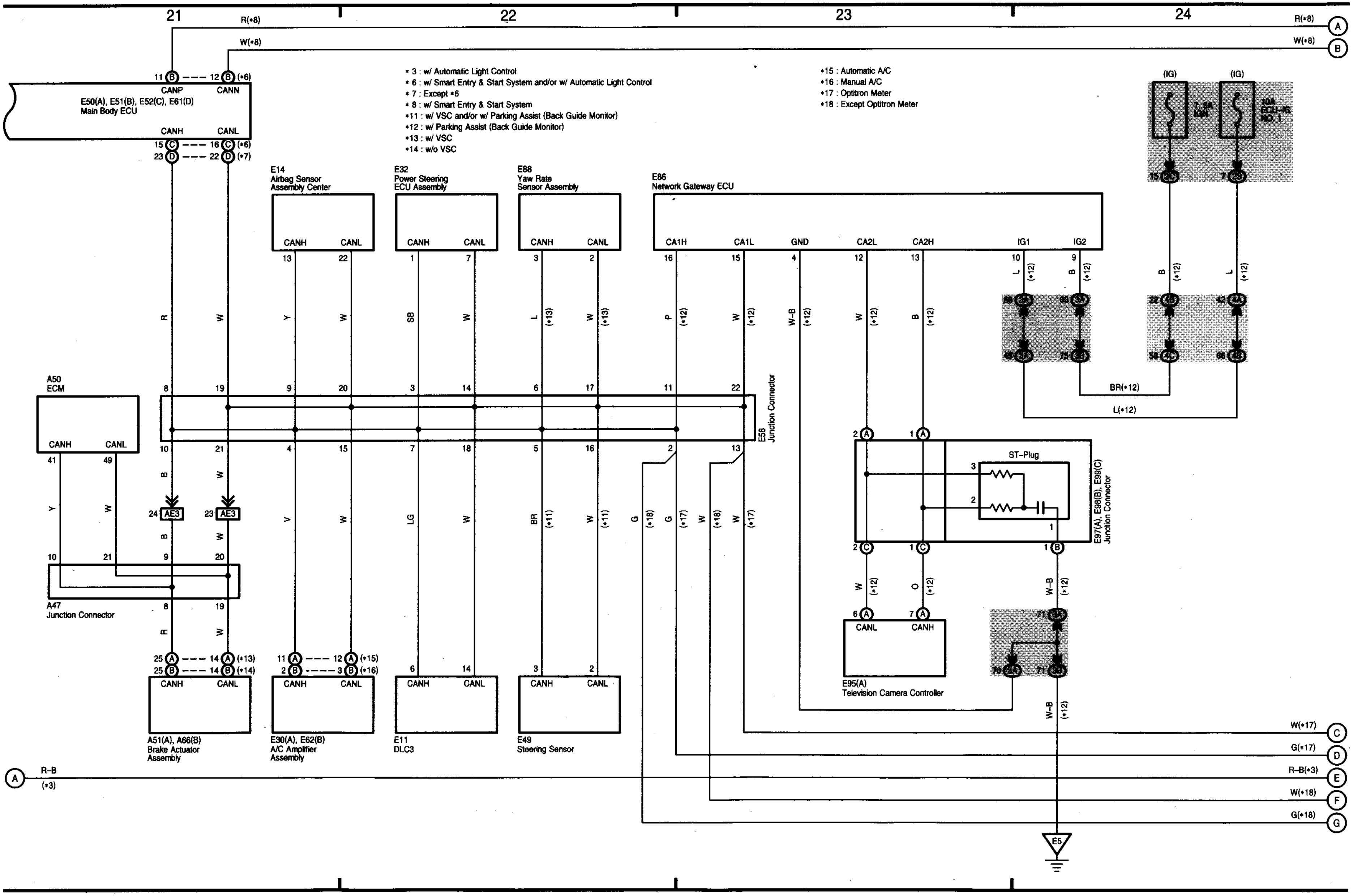
Multiplex Communication System (CAN)

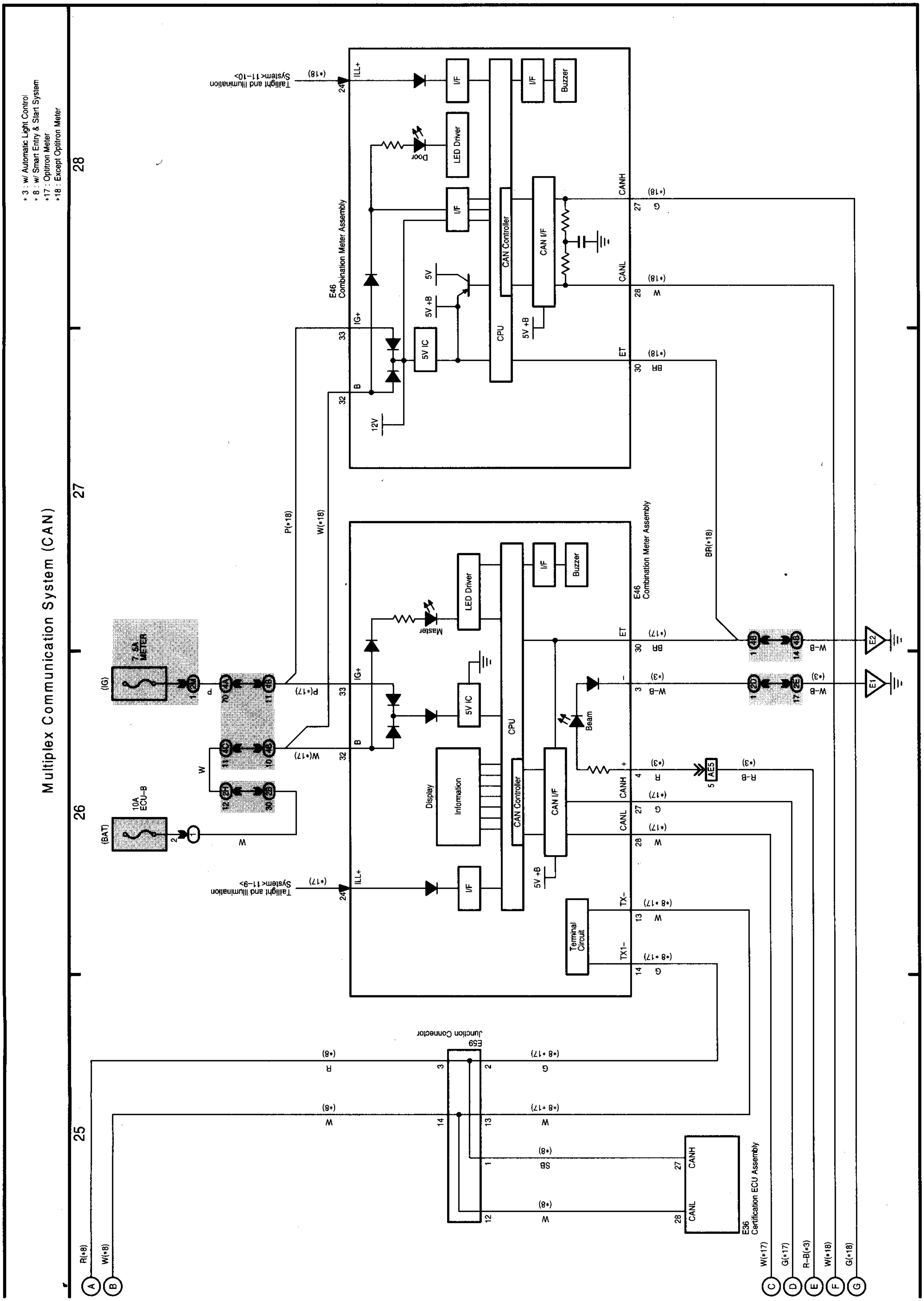



∗ 3 : w/ Automatic Light Control
∗ 6 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
∗ 7 : Except ∗6
∗ 8 : w/ Smart Entry & Start System
∗ 9 : w/o Smart Entry & Start System
∗10 : w/ Navigation System
∗19 : 2ZR–FE
∗20 : 1ZR–FE


2 COROLLA (Cont' d)
Multiplex Communication System (CAN)
(Cont. next page)
＊3 : w/ Automatic Light Control
＊6 : w/ Smart Entry & Start System and/or w/ Automatic Light Control
＊7 : Except ＊6
＊8 : w/ Smart Entry & Start System
＊9 : w/o Smart Entry & Start System
E50(A), E51(B), E52(C), E61(D) Main Body ECU
E75 Theft Warning (Wireless & Security) ECU Assembly
10A DOME
10A ECU-B
10A ECU-IG NO.1
Certification ECU Assembly<3-18>
HORN Relay <24-1>
A84 Security Horn Assembly
A60 Hood Lock Assembly
E67 Security Indicator Light Assembly
E5 Un-Lock Warning Switch Assembly
Transponder Key ECU Assembly<8-3>
Transponder Key ECU Assembly<8-4>
17
18
19
20

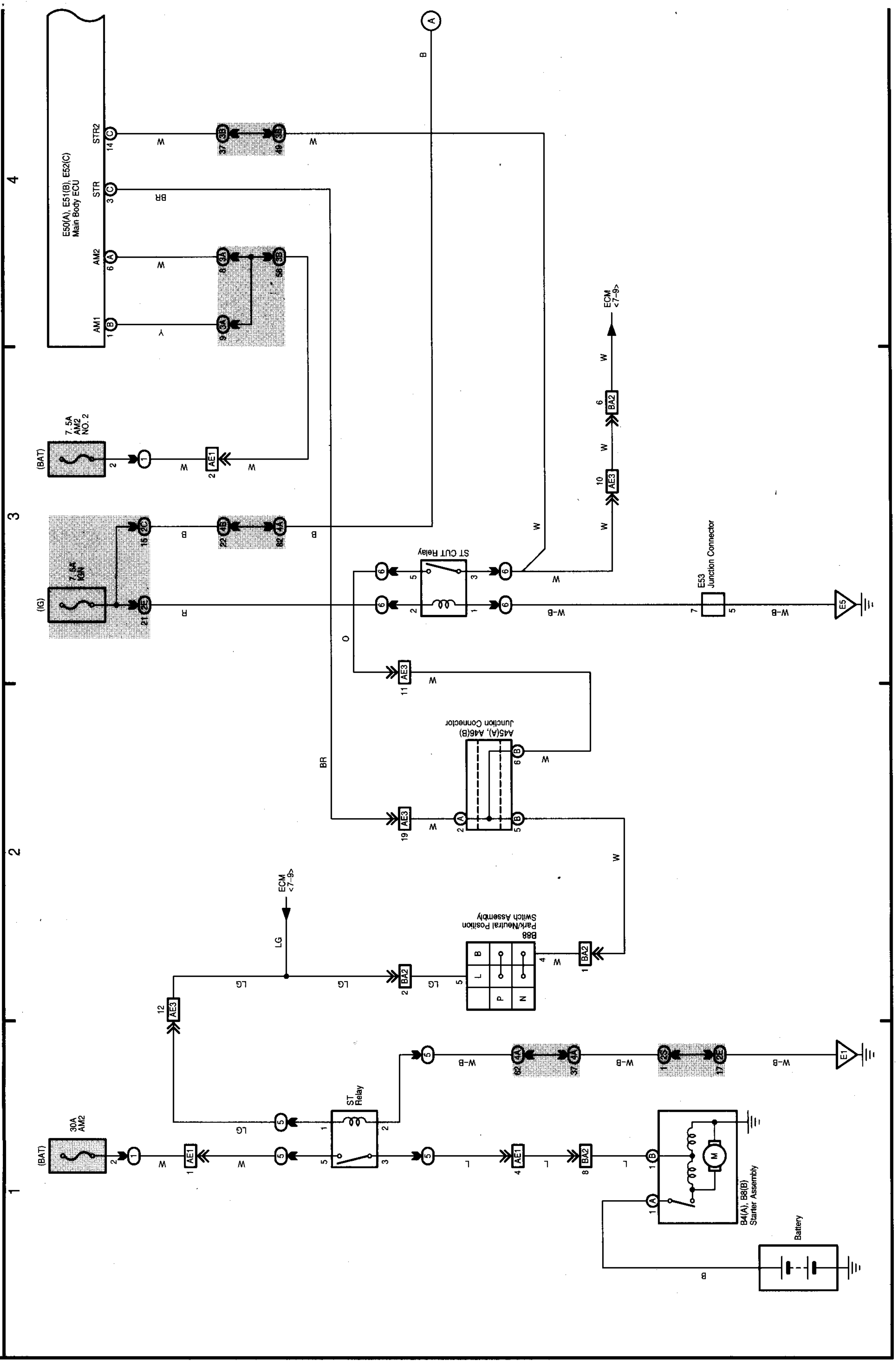
Multiplex Communication System (CAN)



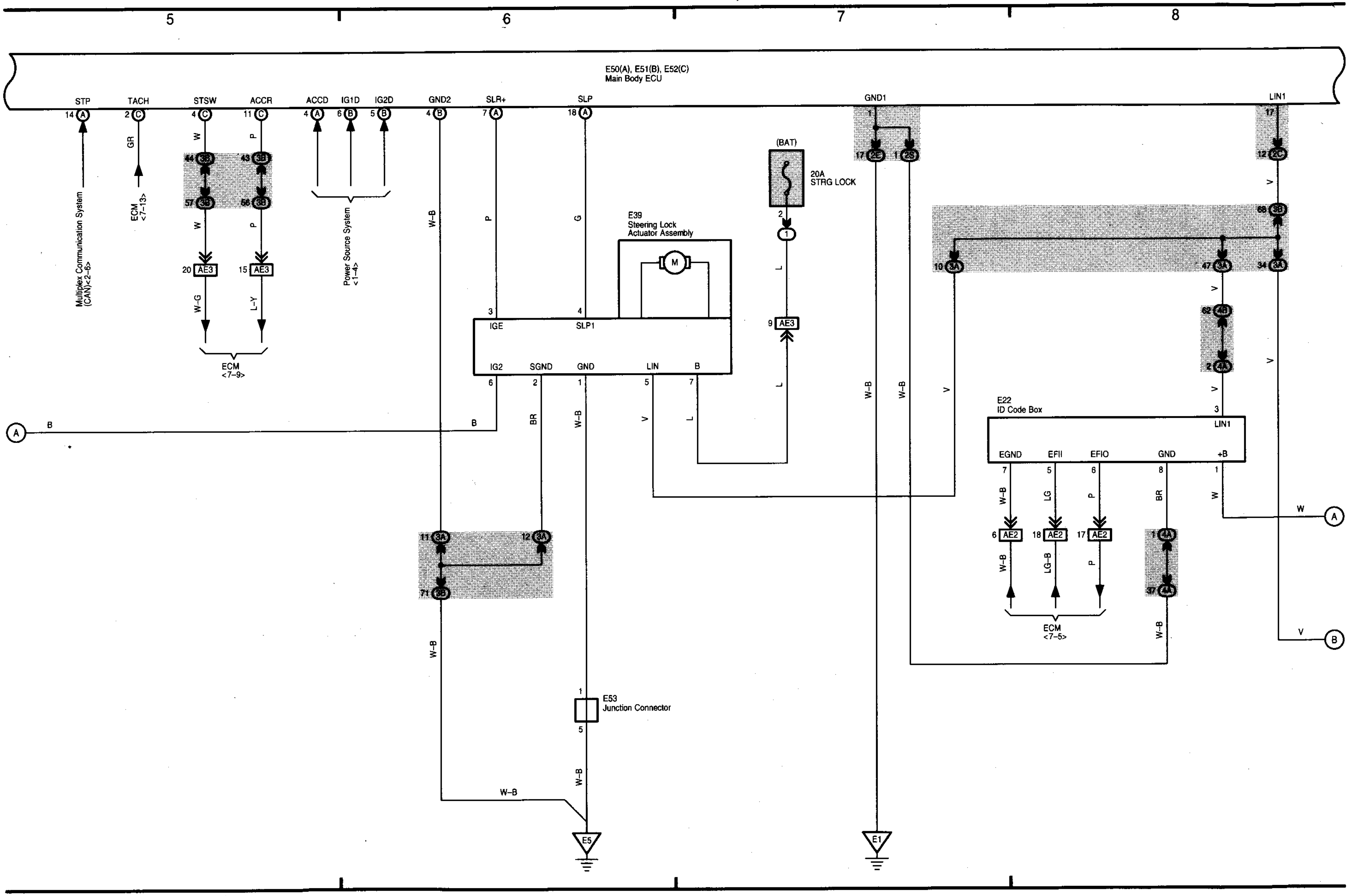

2 COROLLA (Cont' d)
Multiplex Communication System (CAN)
* 3 : w/ Automatic Light Control
* 8 : w/ Smart Entry & Start System
*17 : Optitron Meter
*18 : Except Optitron Meter
25
26
27
28
E46 Combination Meter Assembly
E59 Junction Connector
E36 Certification ECU Assembly
7.5A METER
10A ECU-B
(IG)
(BAT)
Taillight and Illumination System<11-10>
Taillight and Illumination System<11-9>
CPU
CAN Controller
CAN I/F
5V IC
LED Driver
I/F
Buzzer
Display
Information
Terminal Circuit
Door
Master
Beam
ILL+
IG+
B
ET
CANH
CANL
TX-
TX1-
12V
5V
5V +B
E1
E2
AE5
R(*8)
W(*8)
W(*17)
G(*17)
R-B(*3)
W(*18)
G(*18)

(Cont. next page)

## Smart Entry & Start System



## Smart Entry & Start System



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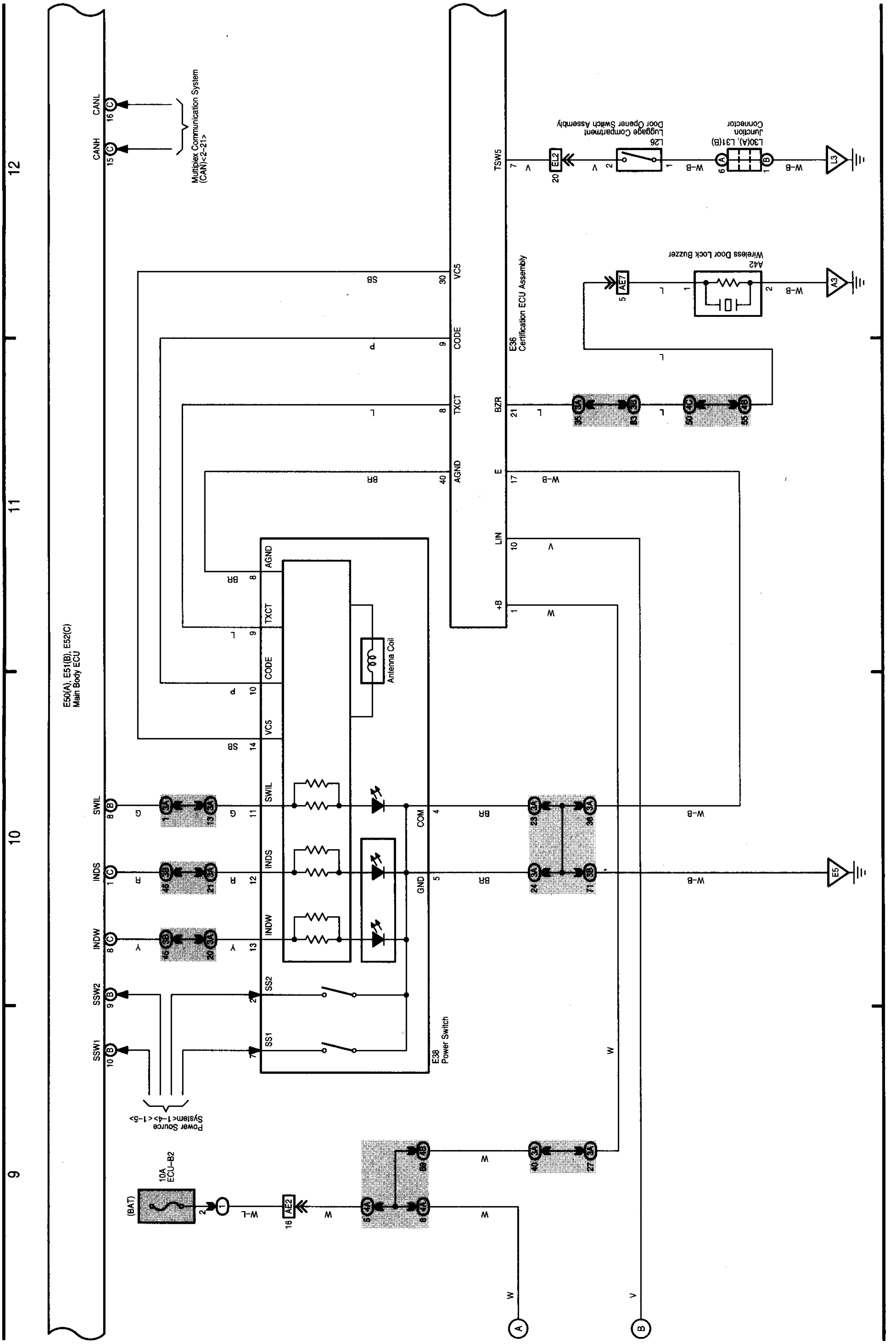
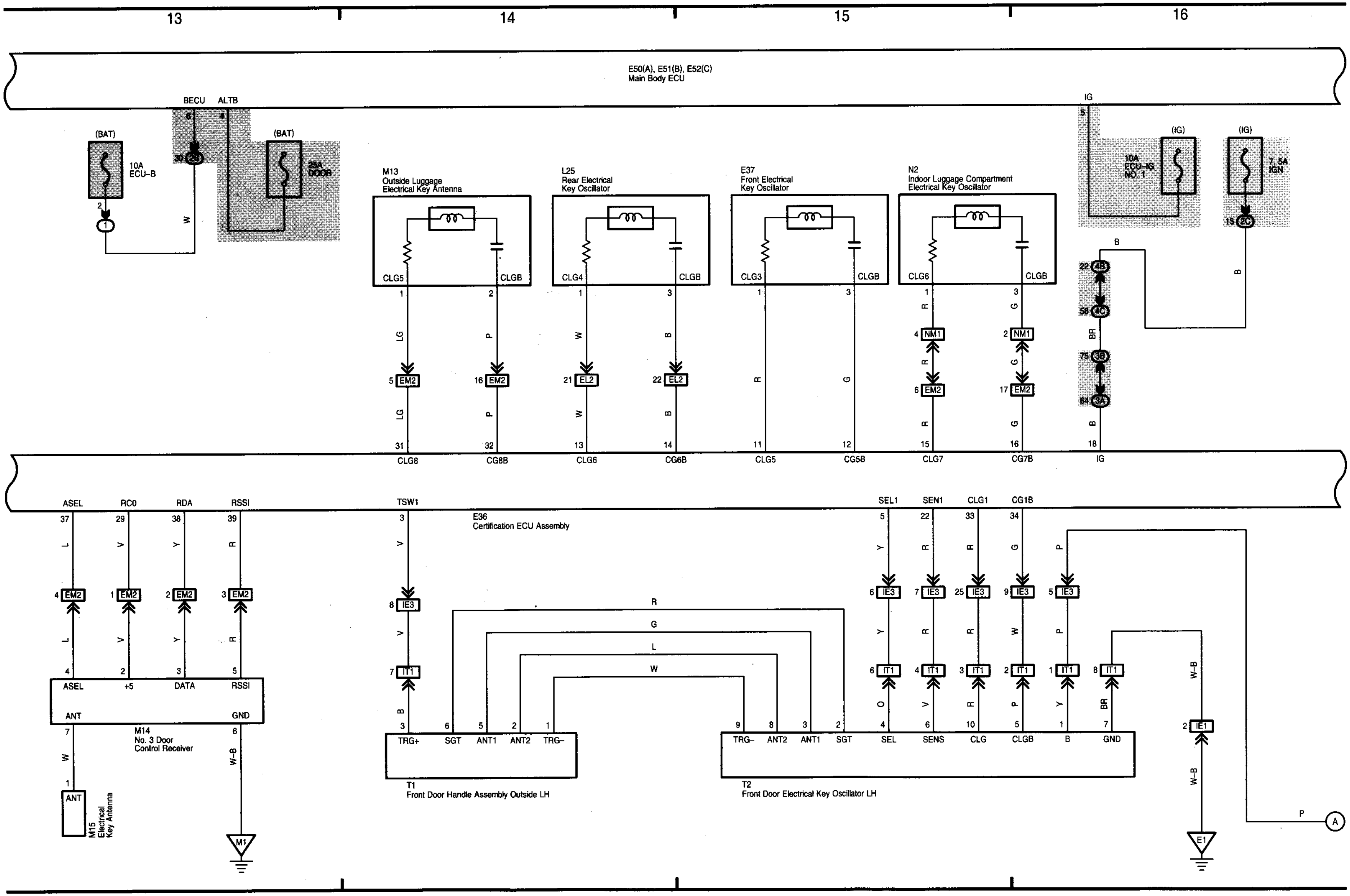
Smart Entry & Start System



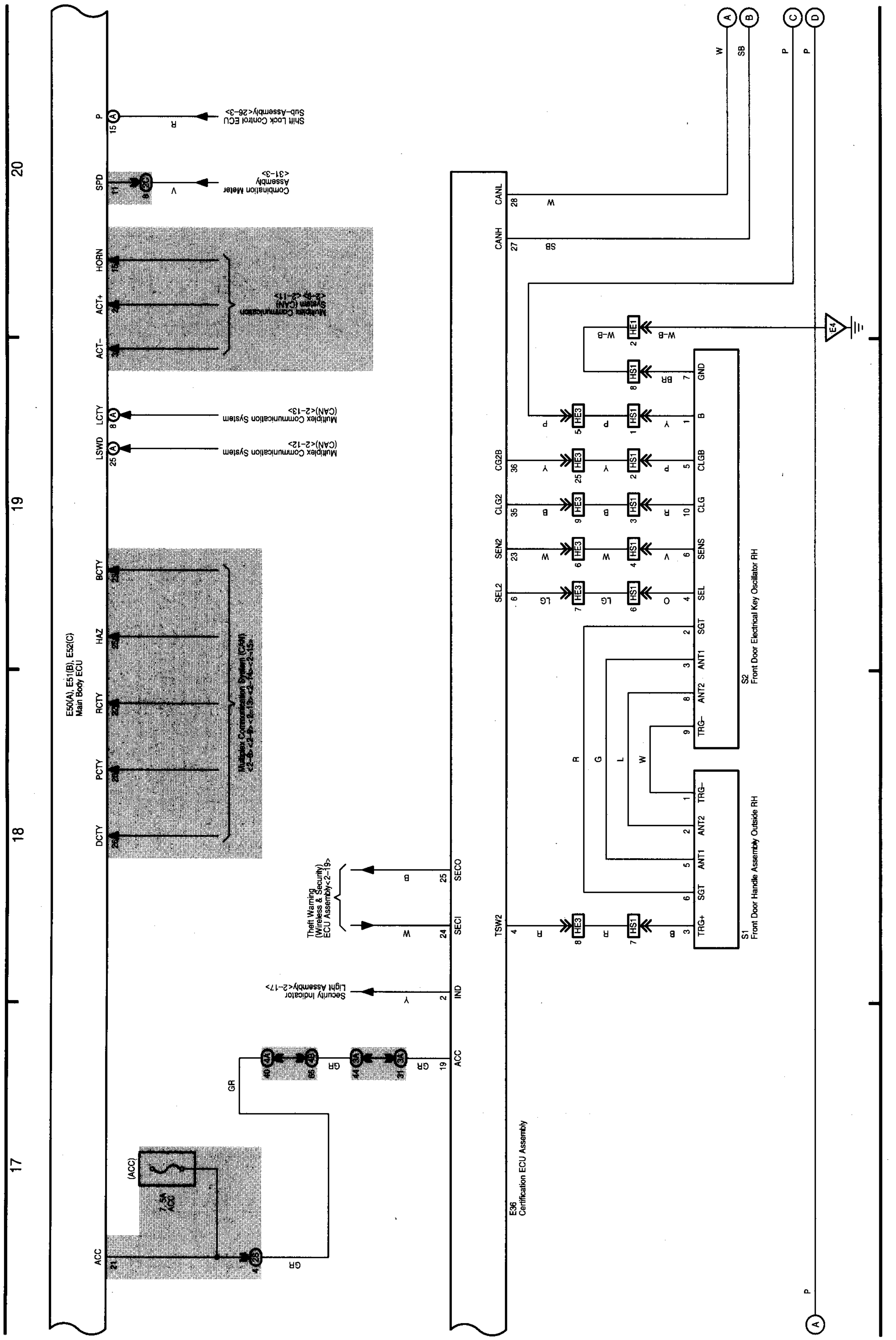
Smart Entry & Start System



3 COROLLA (Cont' d)

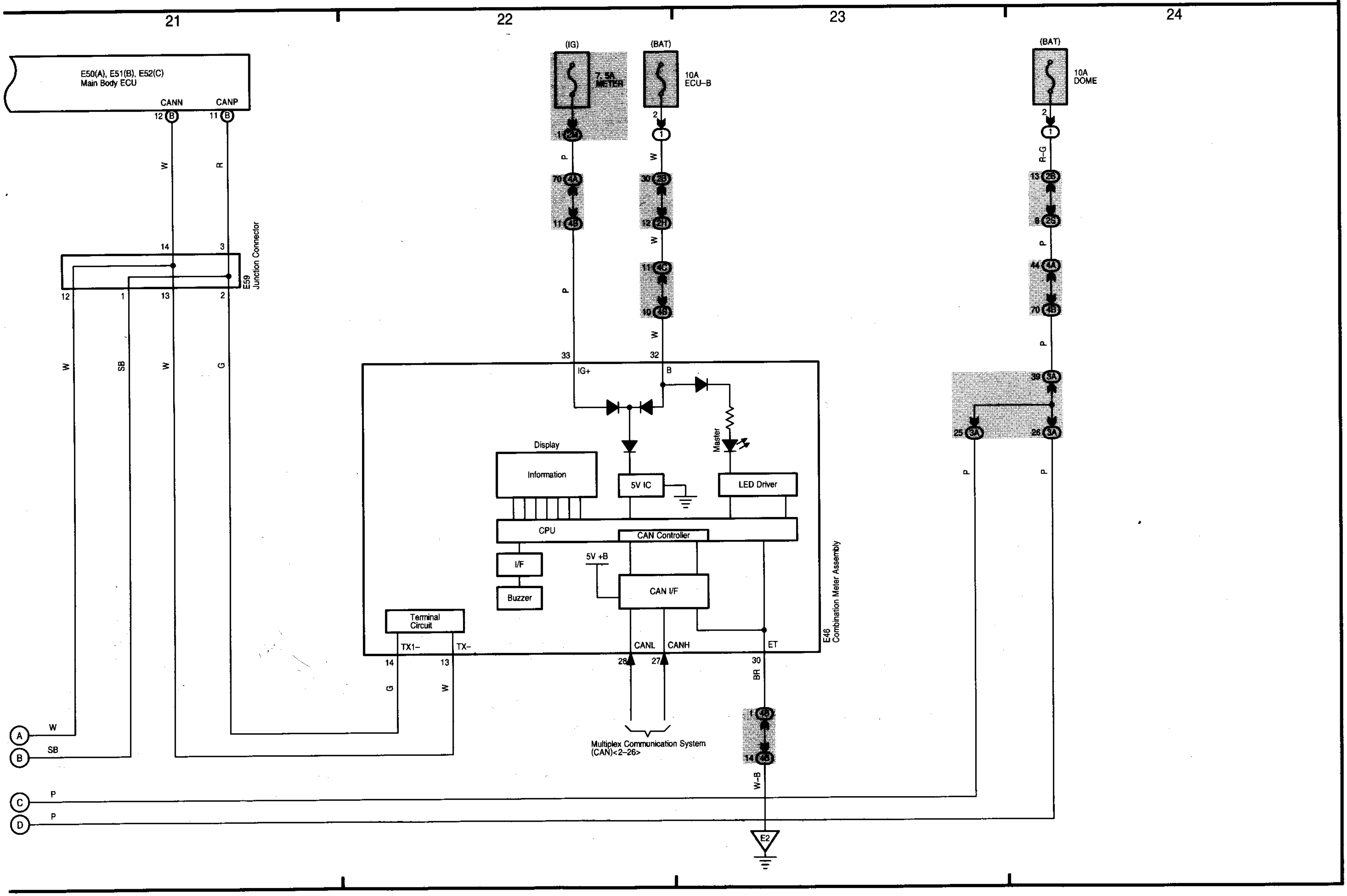
(Cont. next page)

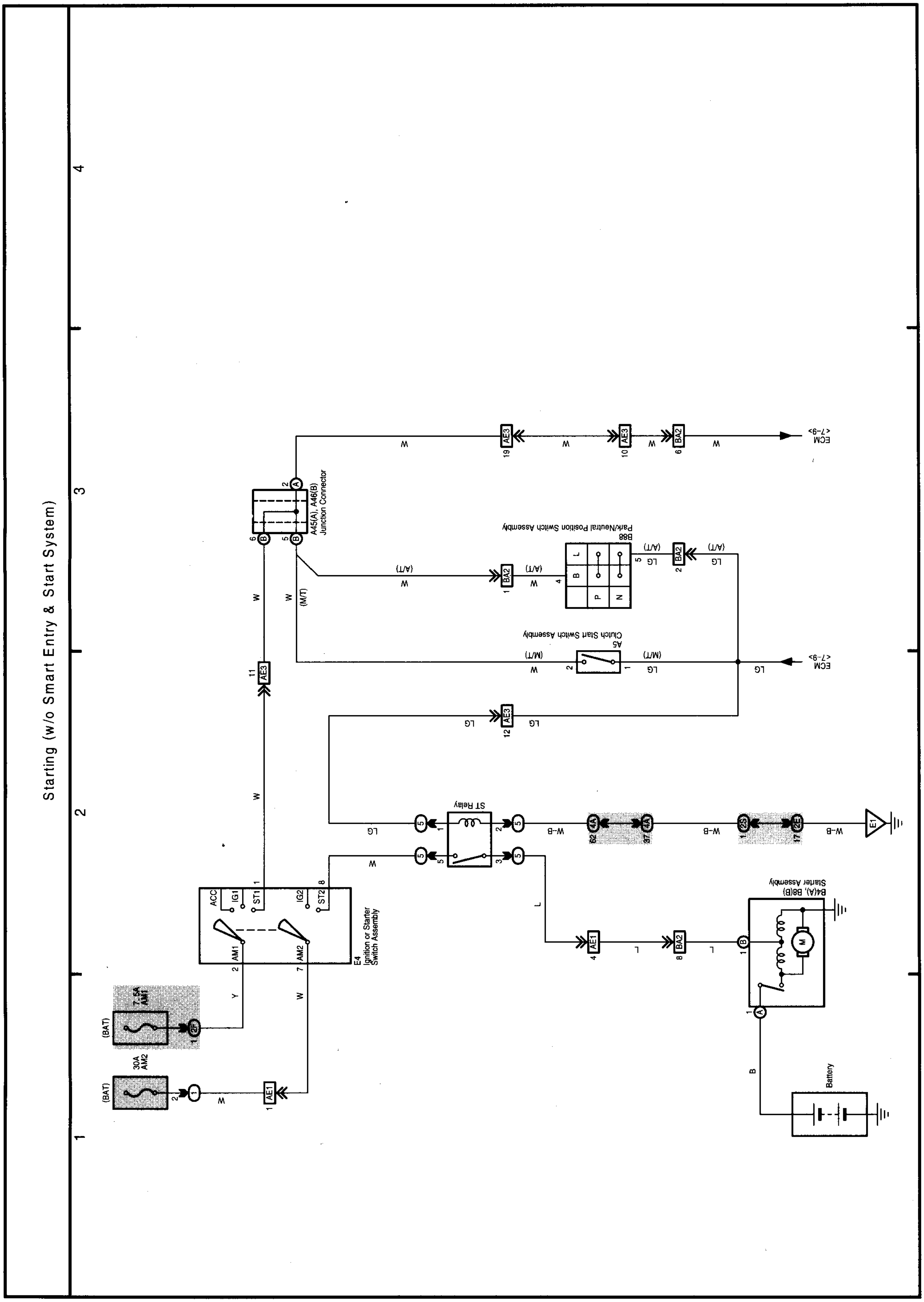
Smart Entry & Start System



## 3 COROLLA (Cont' d)

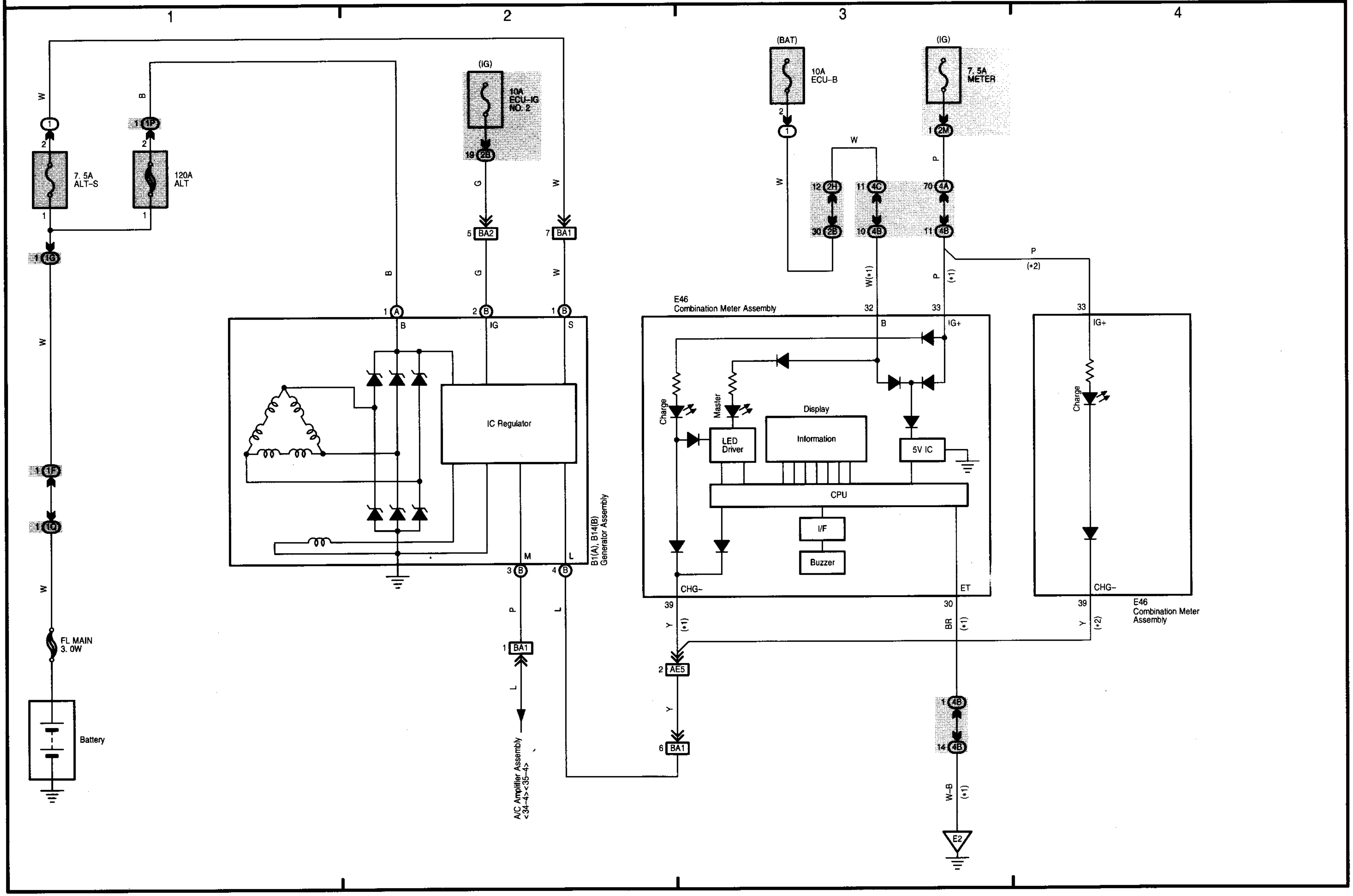
Smart Entry & Start System

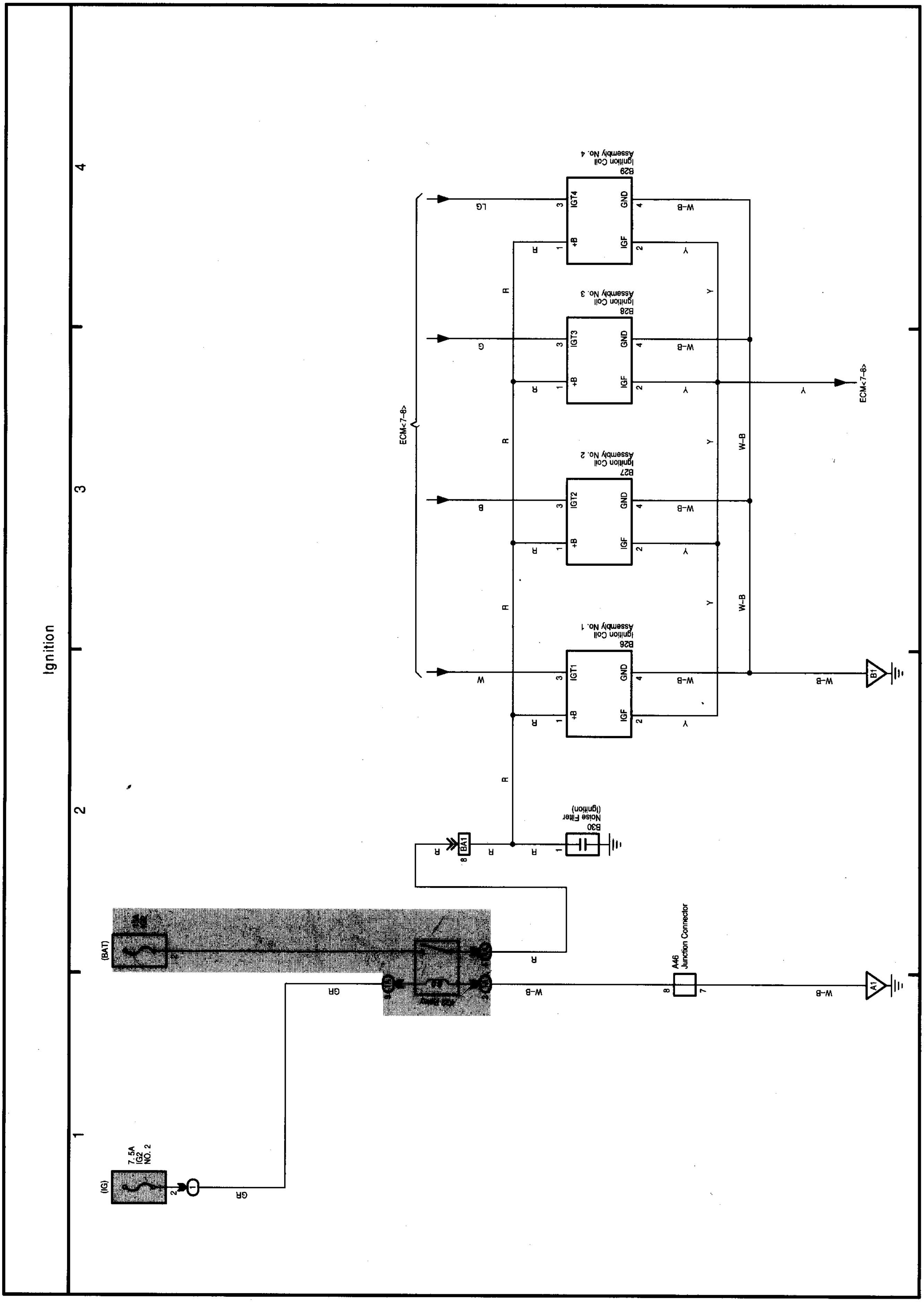



Starting (w/o Smart Entry & Start System)
A45(A), A46(B)
Junction Connector
B88
Park/Neutral Position Switch Assembly
A5
Clutch Start Switch Assembly
ST Relay
E4
Ignition or Starter Switch Assembly
B4(A), B8(B)
Starter Assembly
Battery
ECM
<7-9>
30A
AM2
7.5A
AM1
(BAT)
(A/T)
(M/T)
ACC
IG1
ST1
IG2
ST2
AM1
AM2
AE1
AE3
BA2
E1
W
W-B
LG
L
Y
B

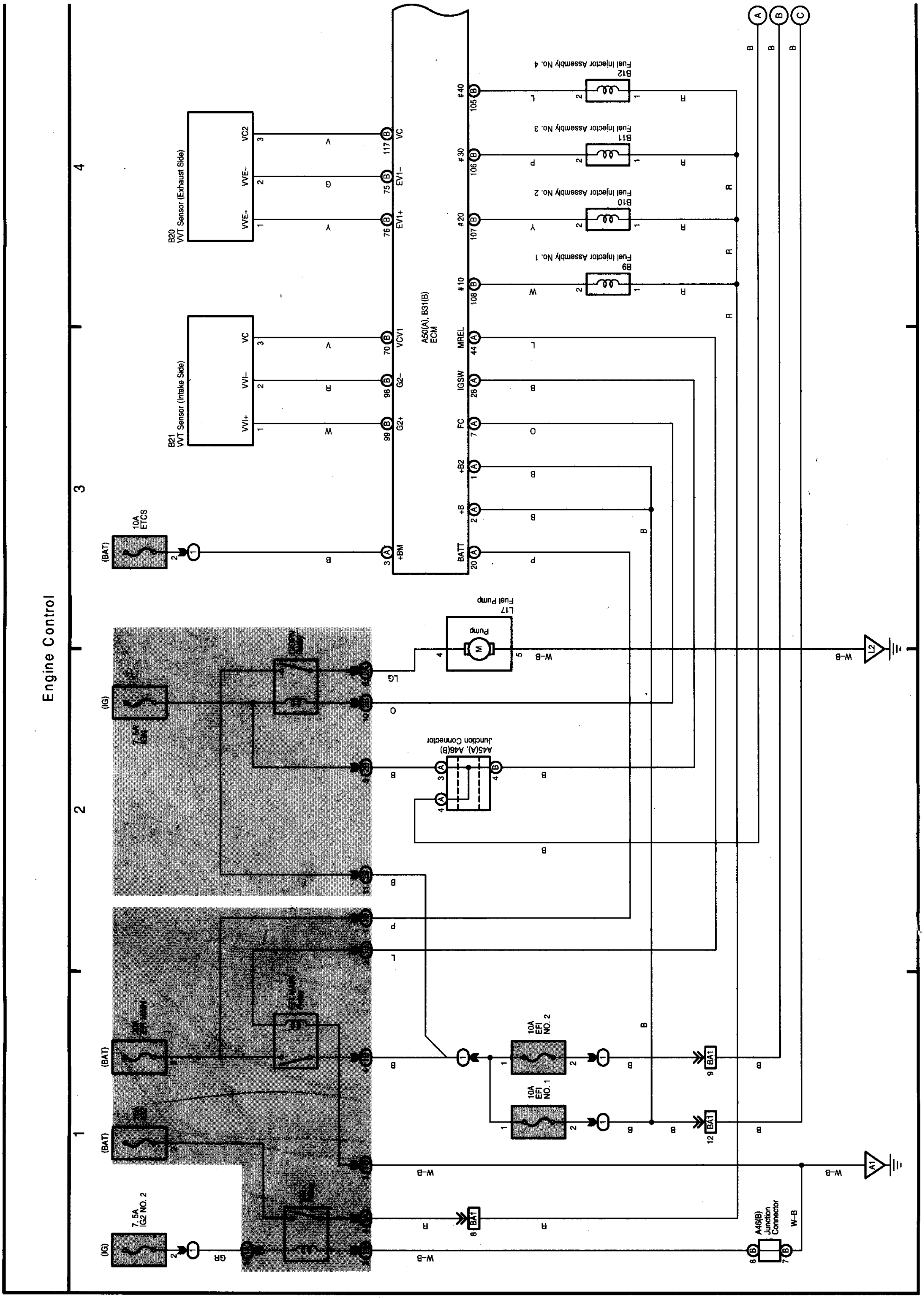
# Charging

* 1 : Optitron Meter
* 2 : Except Optitron Meter




Ignition
(IG)
7.5A
IG2
NO. 2
GR
(BAT)
R
W-B
A46
Junction Connector
A1
B1
BA1
B30
Noise Filter
(Ignition)
B26
Ignition Coil
Assembly No. 1
B27
Ignition Coil
Assembly No. 2
B28
Ignition Coil
Assembly No. 3
B29
Ignition Coil
Assembly No. 4
IGT1
IGT2
IGT3
IGT4
+B
IGF
GND
W
B
G
LG
Y
ECM<7-8>

(Cont. next page)

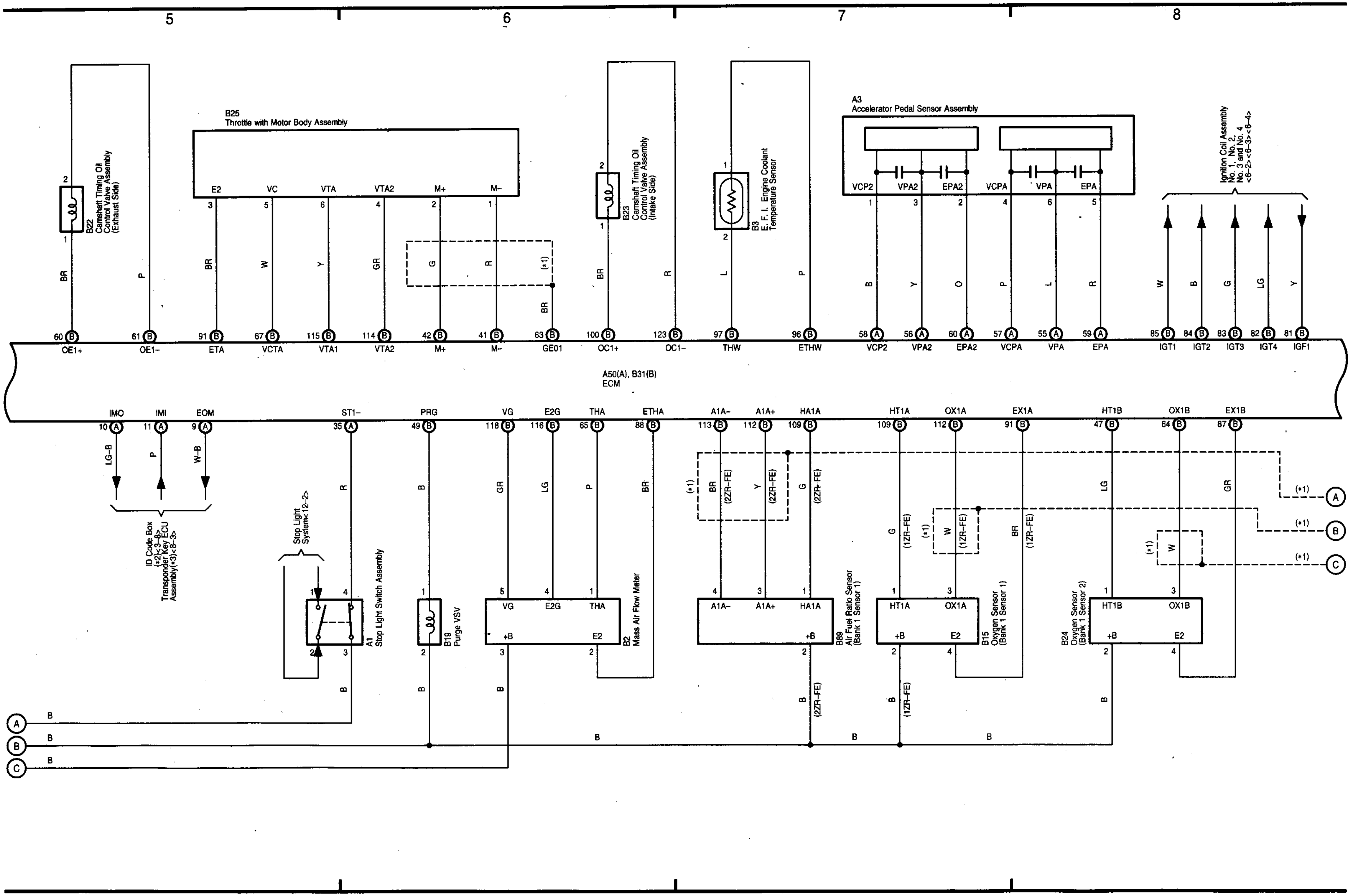



7 COROLLA

(Cont. next page)

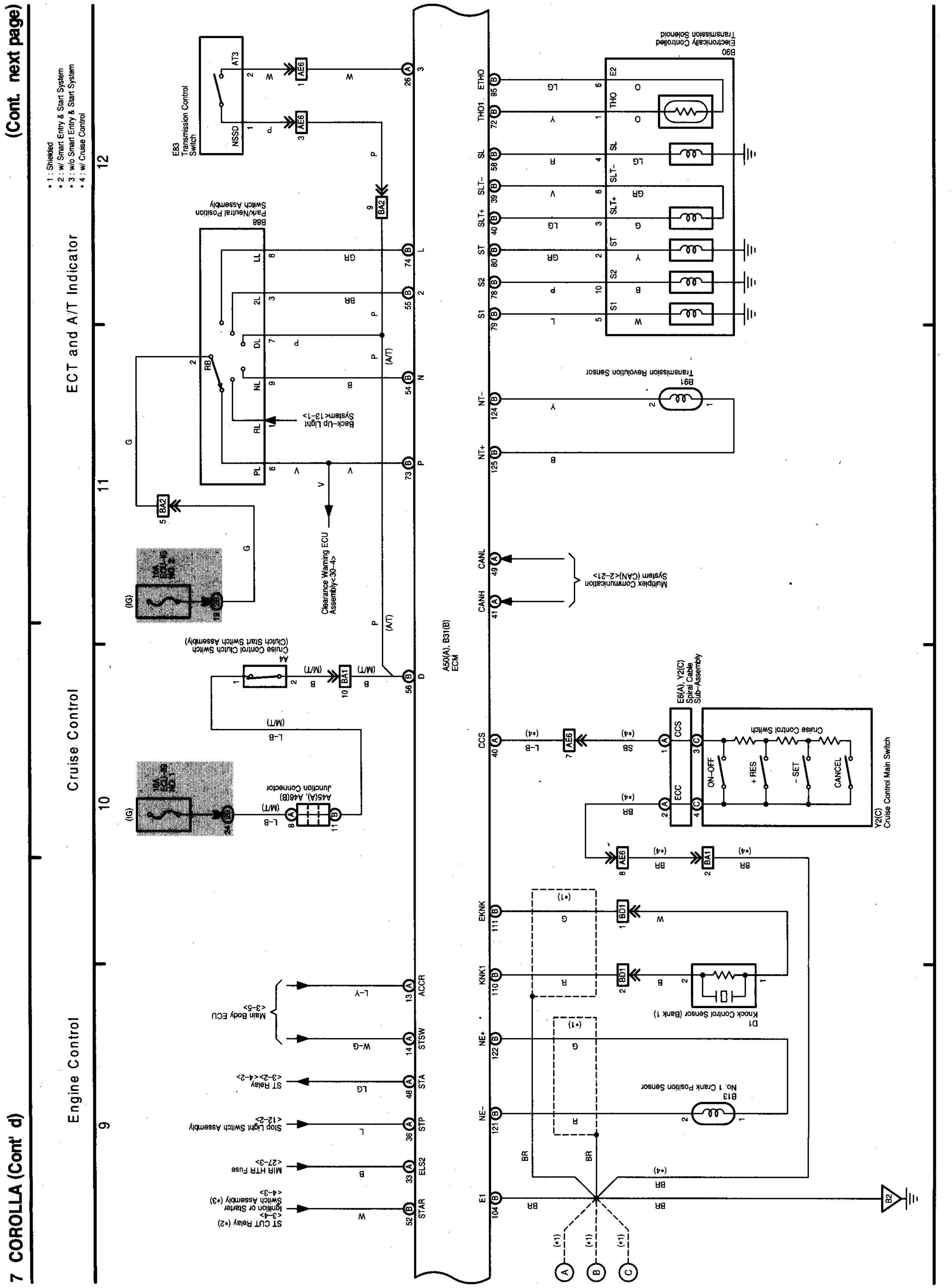
## Engine Control

* 1 : Shielded
* 2 : w/ Smart Entry & Start System
* 3 : w/o Smart Entry & Start System



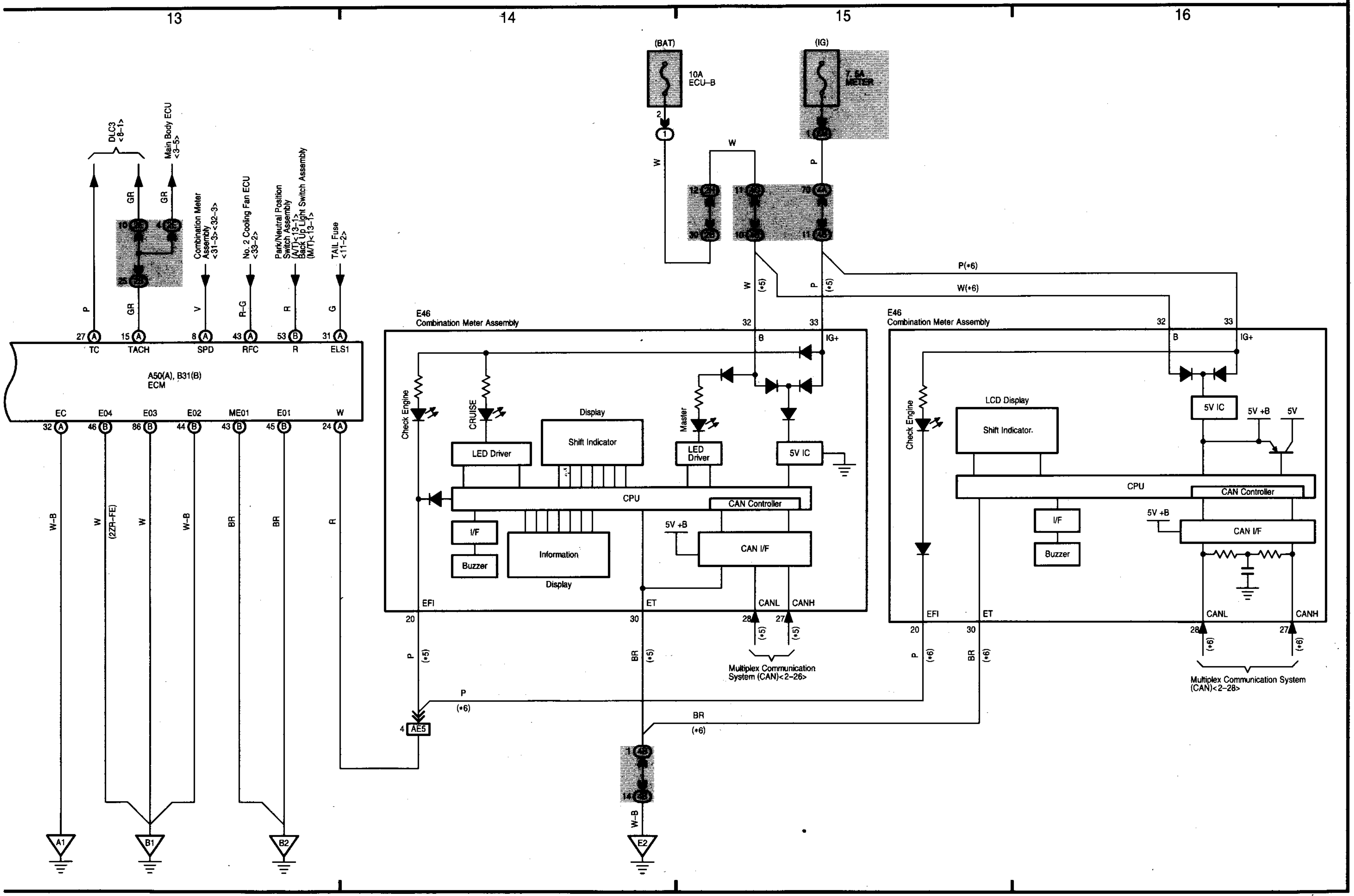


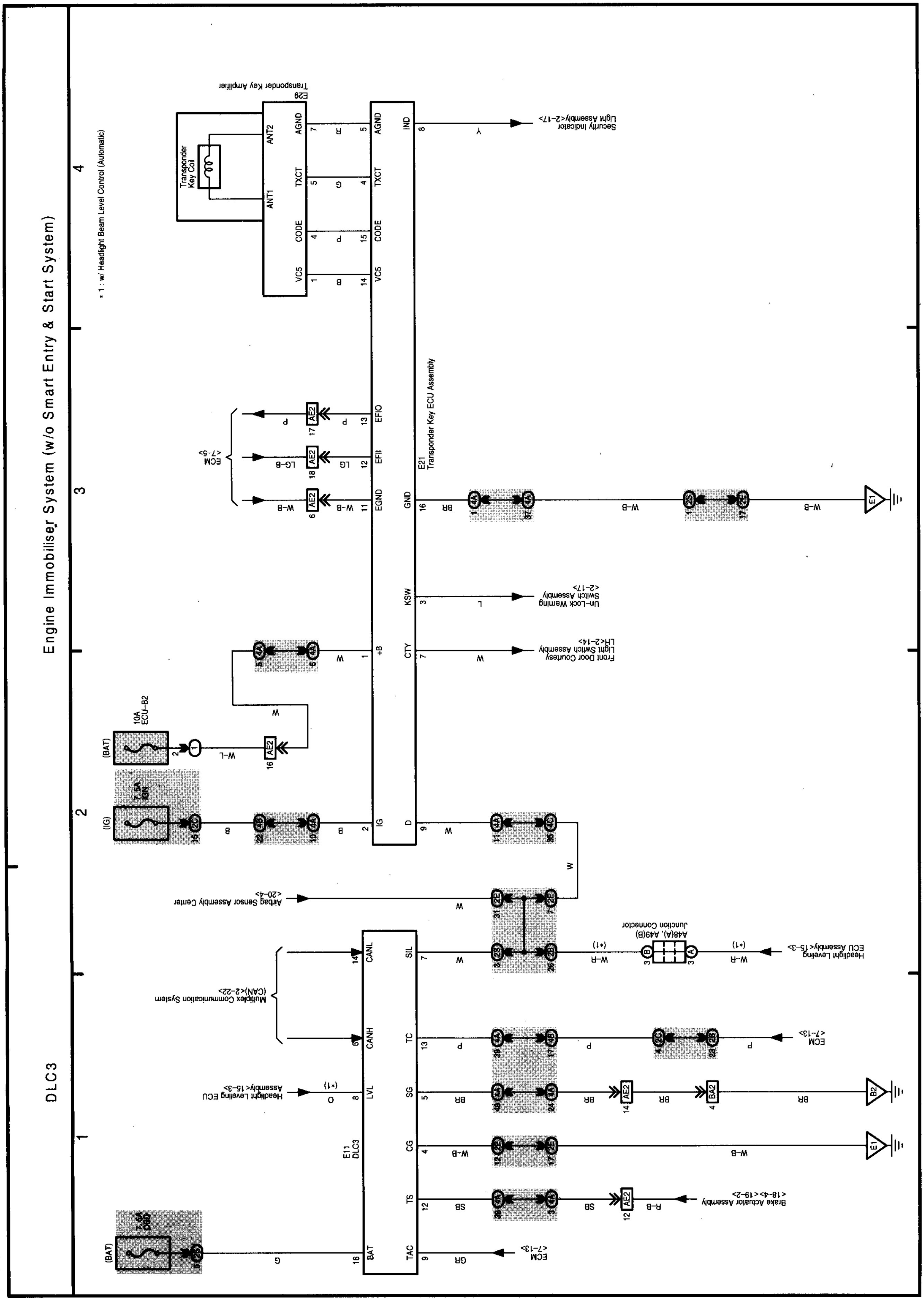

M


7 COROLLA (Cont' d)
(Cont. next page)
Engine Control
Cruise Control
ECT and A/T Indicator
A50(A), B31(B)
ECM

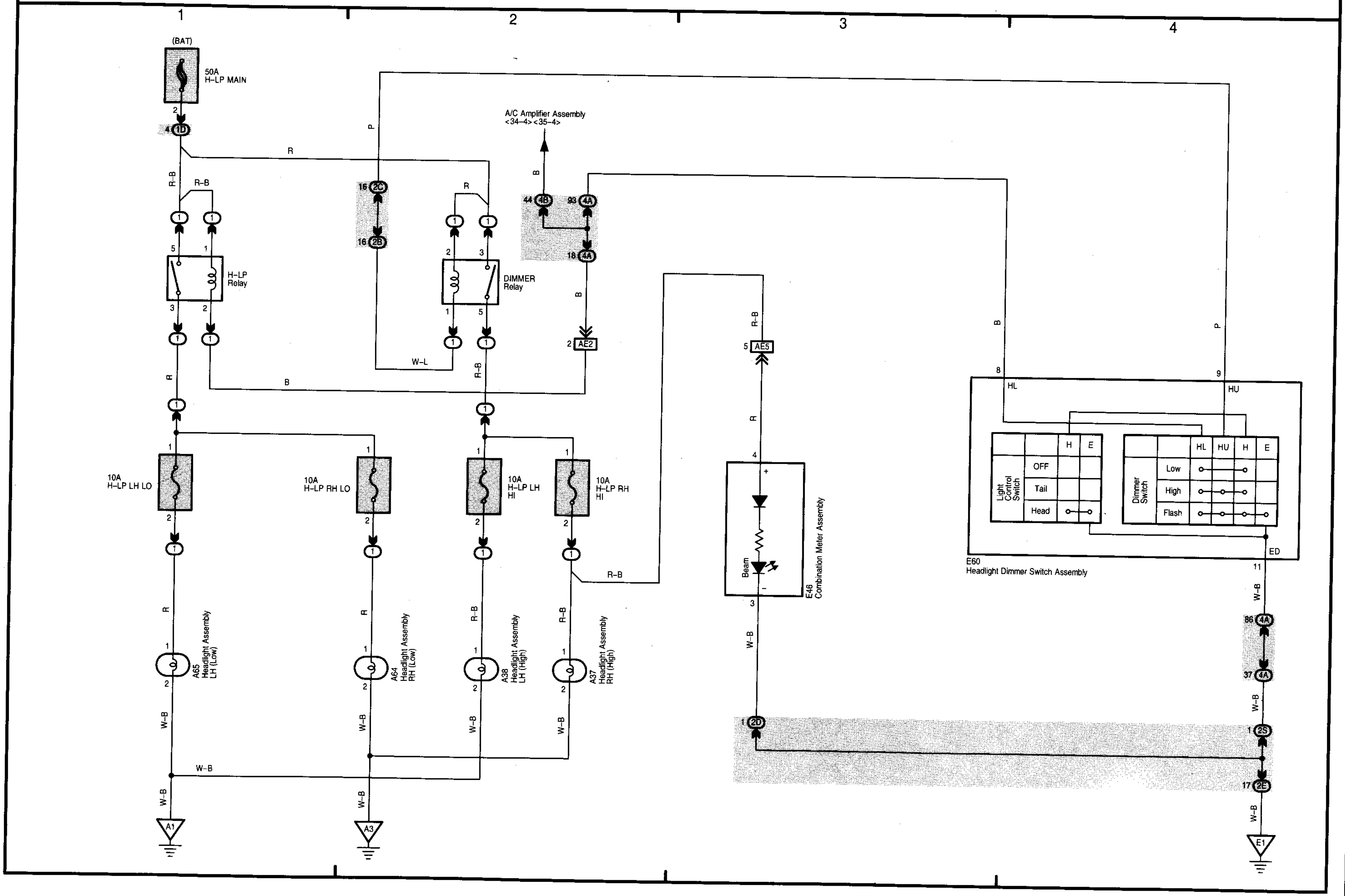
## ECT and A/T Indicator

• 5 : Optitron Meter
• 6 : Except Optitron Meter

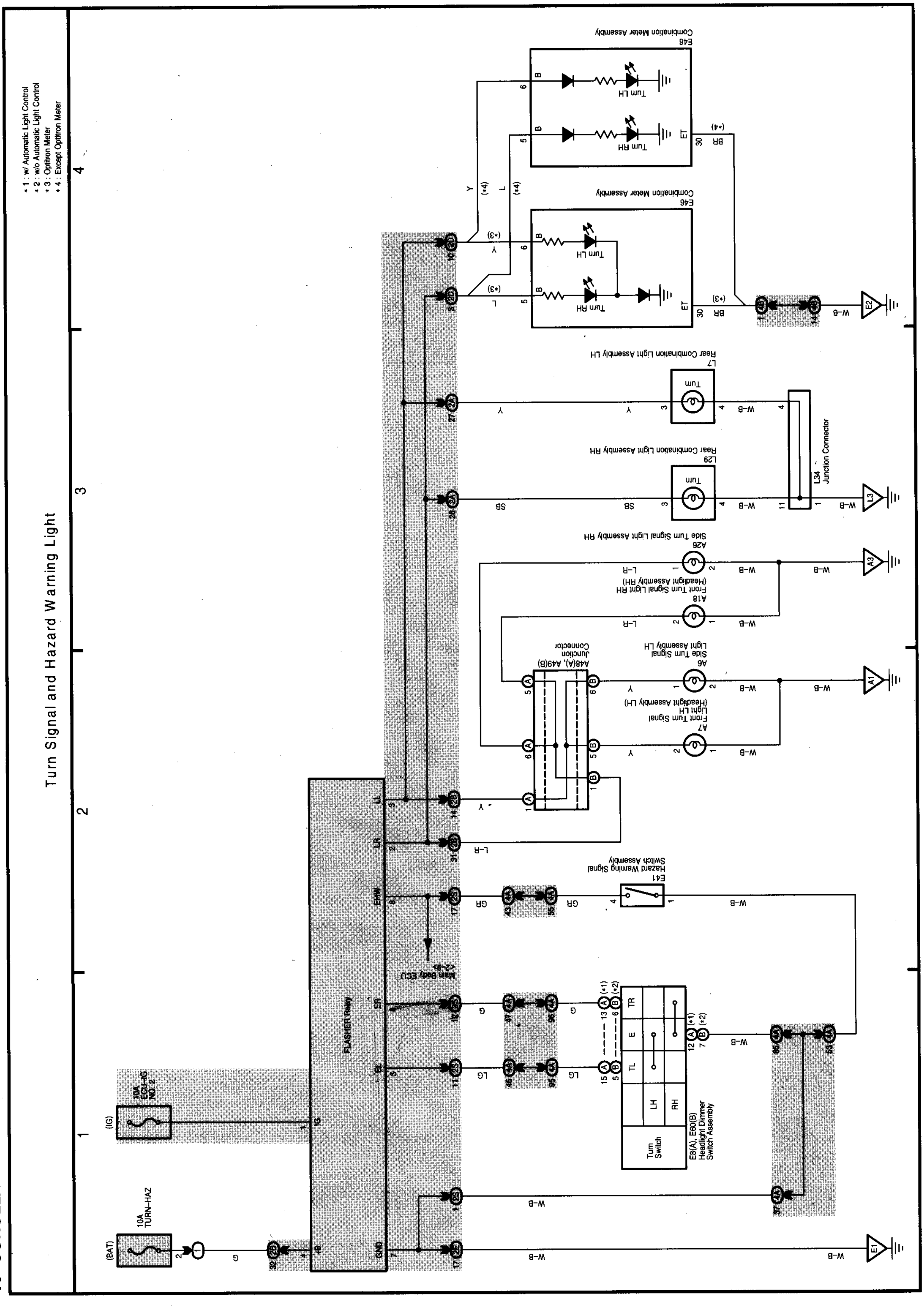



Engine Immobiliser System (w/o Smart Entry & Start System)
DLC3
* 1 : w/ Headlight Beam Level Control (Automatic)
E29
Transponder Key Amplifier
Transponder Key Coil
E21
Transponder Key ECU Assembly
E11
DLC3
Security Indicator Light Assembly<2-17>
ECM <7-5>
Un-Lock Warning Switch Assembly <2-17>
Front Door Courtesy Light Switch Assembly LH<2-14>
Airbag Sensor Assembly Center <20-4>
Junction Connector
A48(A), A49(B)
Headlight Leveling ECU Assembly< 15-3>
Multiplex Communication System (CAN)<2-22>
ECM <7-13>
Brake Actuator Assembly <18-4><19-2>
10A ECU-B2
7.5A IGN
7.5A OBD
(BAT)
(IG)

# Headlight (w/o Automatic Light Control)

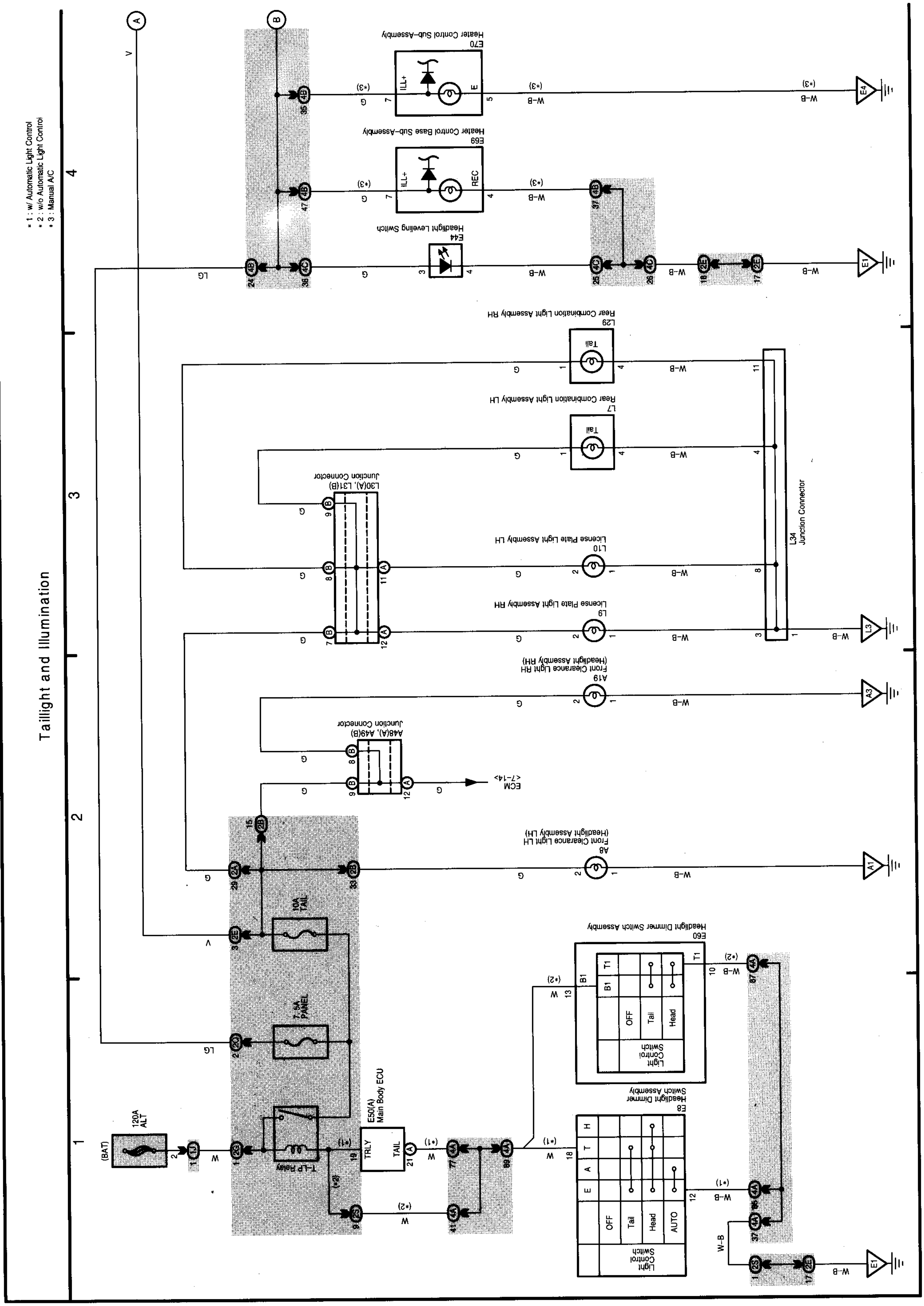


10 COROLLA


Turn Signal and Hazard Warning Light
*1 : w/ Automatic Light Control
*2 : w/o Automatic Light Control
*3 : Optitron Meter
*4 : Except Optitron Meter
(BAT)
10A TURN-HAZ
(IG)
10A ECU-IG NO. 2
FLASHER Relay
Main Body ECU
E8(A), E60(B) Headlight Dimmer Switch Assembly
Turn Switch
E41 Hazard Warning Signal Switch Assembly
A48(A), A49(B) Junction Connector
A7 Front Turn Signal Light LH (Headlight Assembly LH)
A6 Side Turn Signal Light LH
A18 Front Turn Signal Light RH (Headlight Assembly RH)
A26 Side Turn Signal Light Assembly RH
L29 Rear Combination Light Assembly RH
L7 Rear Combination Light Assembly LH
L34 Junction Connector
E46 Combination Meter Assembly
Turn LH
Turn RH
E46 Combination Meter Assembly

11 COROLLA

(Cont. next page)



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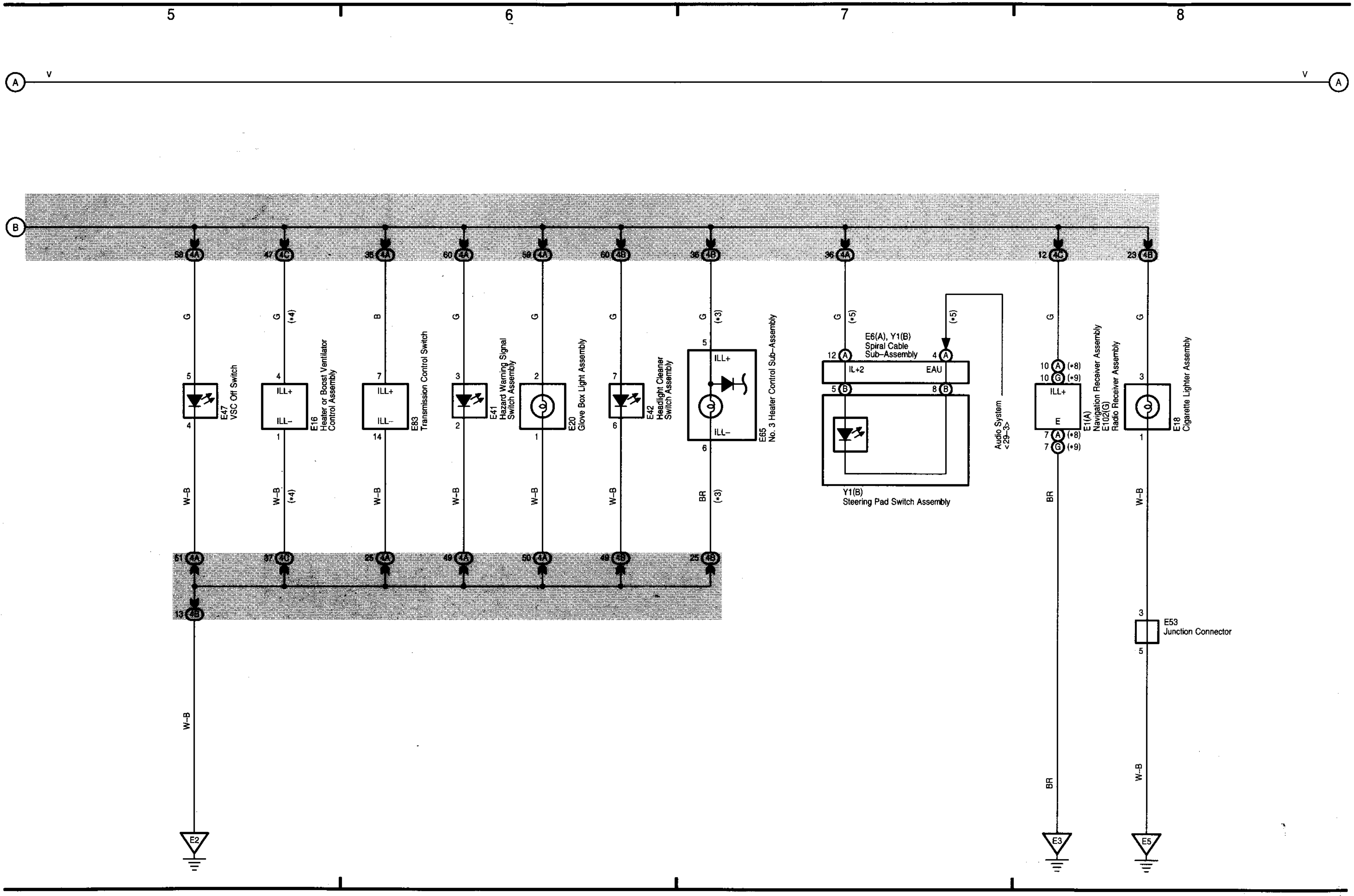
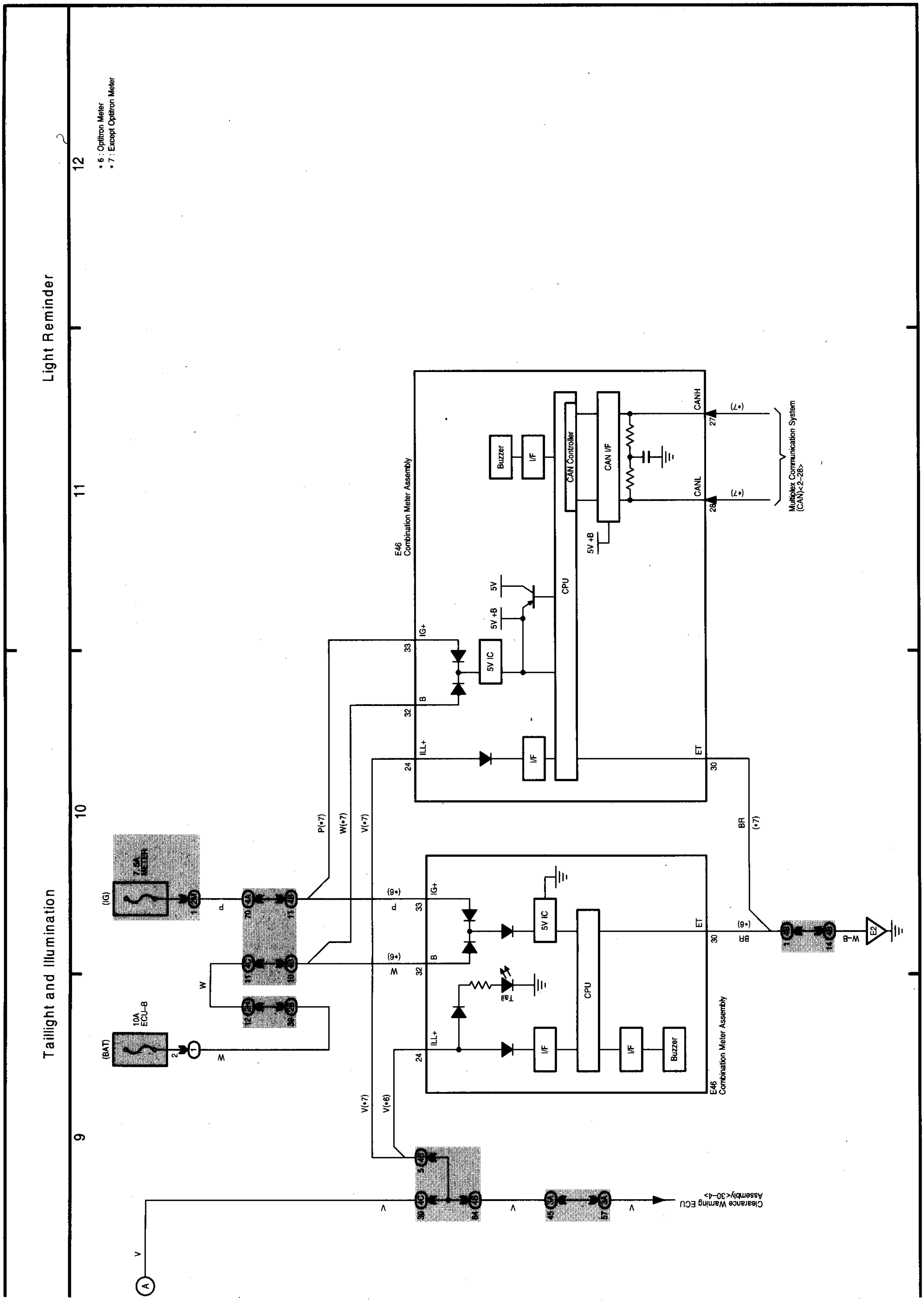
* 3 : Manual A/C
* 4 : Automatic A/C
* 5 : w/ Steering Pad Switch
* 8 : w/ Navigation System
* 9 : w/o Navigation System

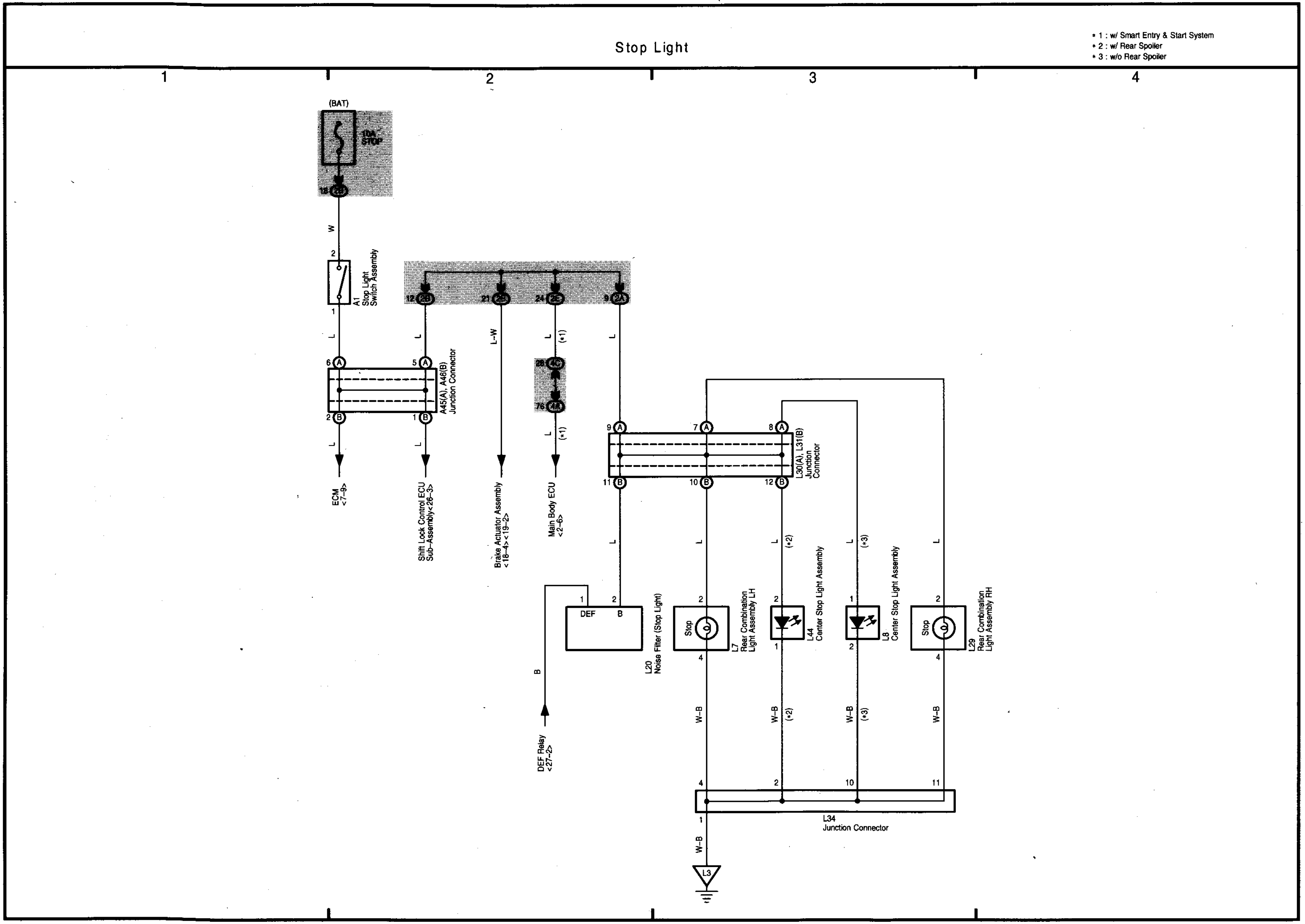
Taillight and Illumination



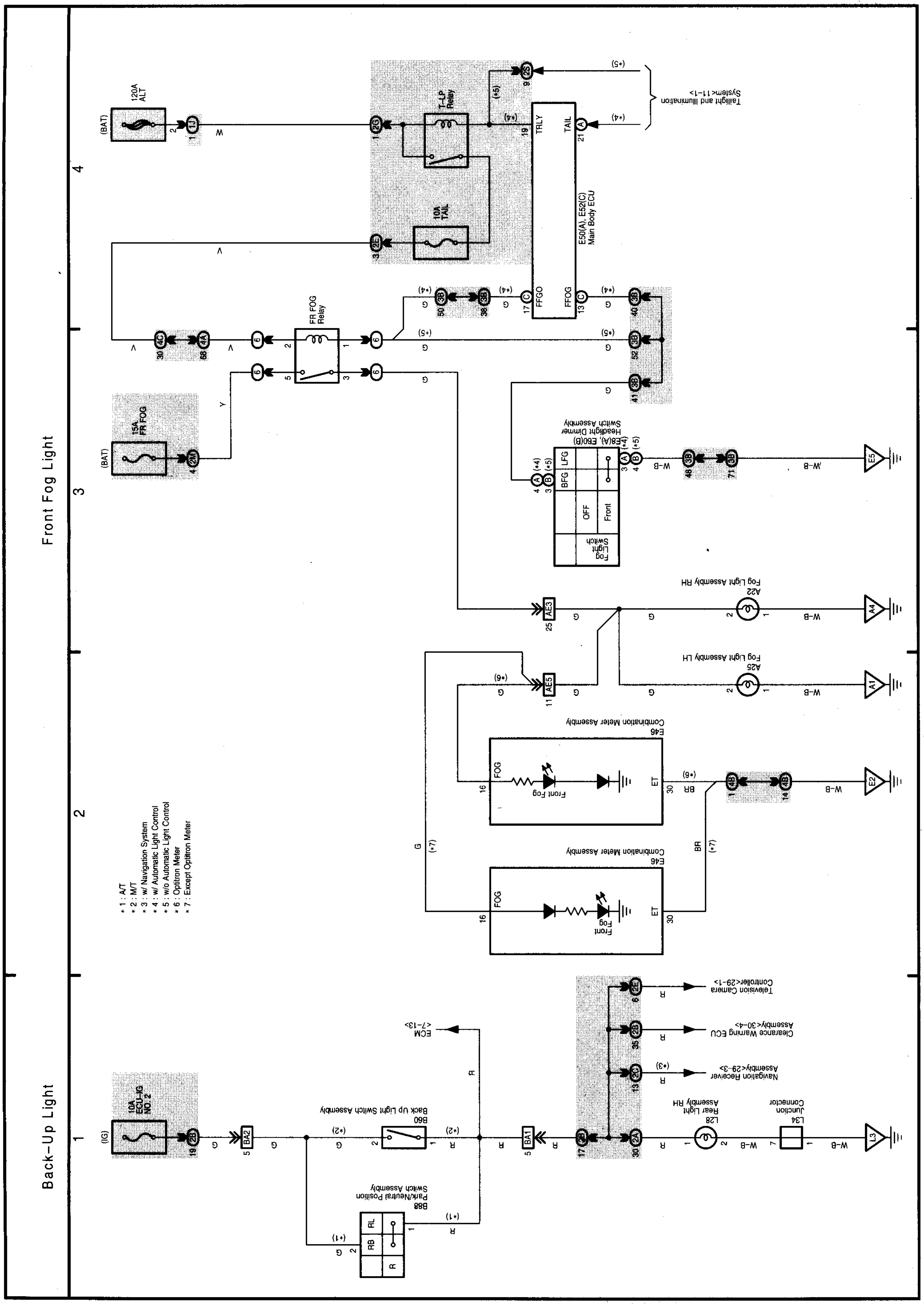
11 COROLLA (Cont' d)



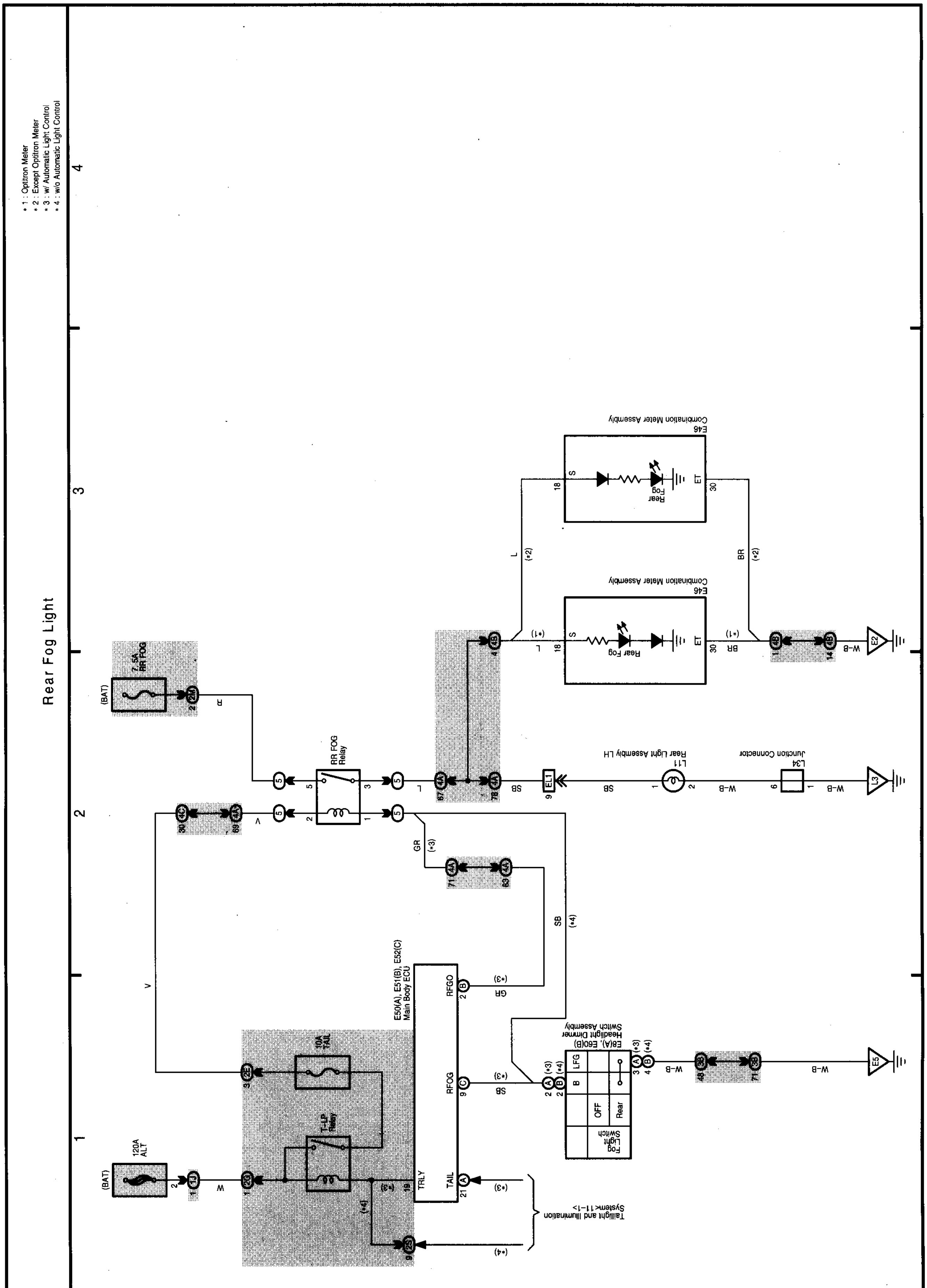
## Stop Light



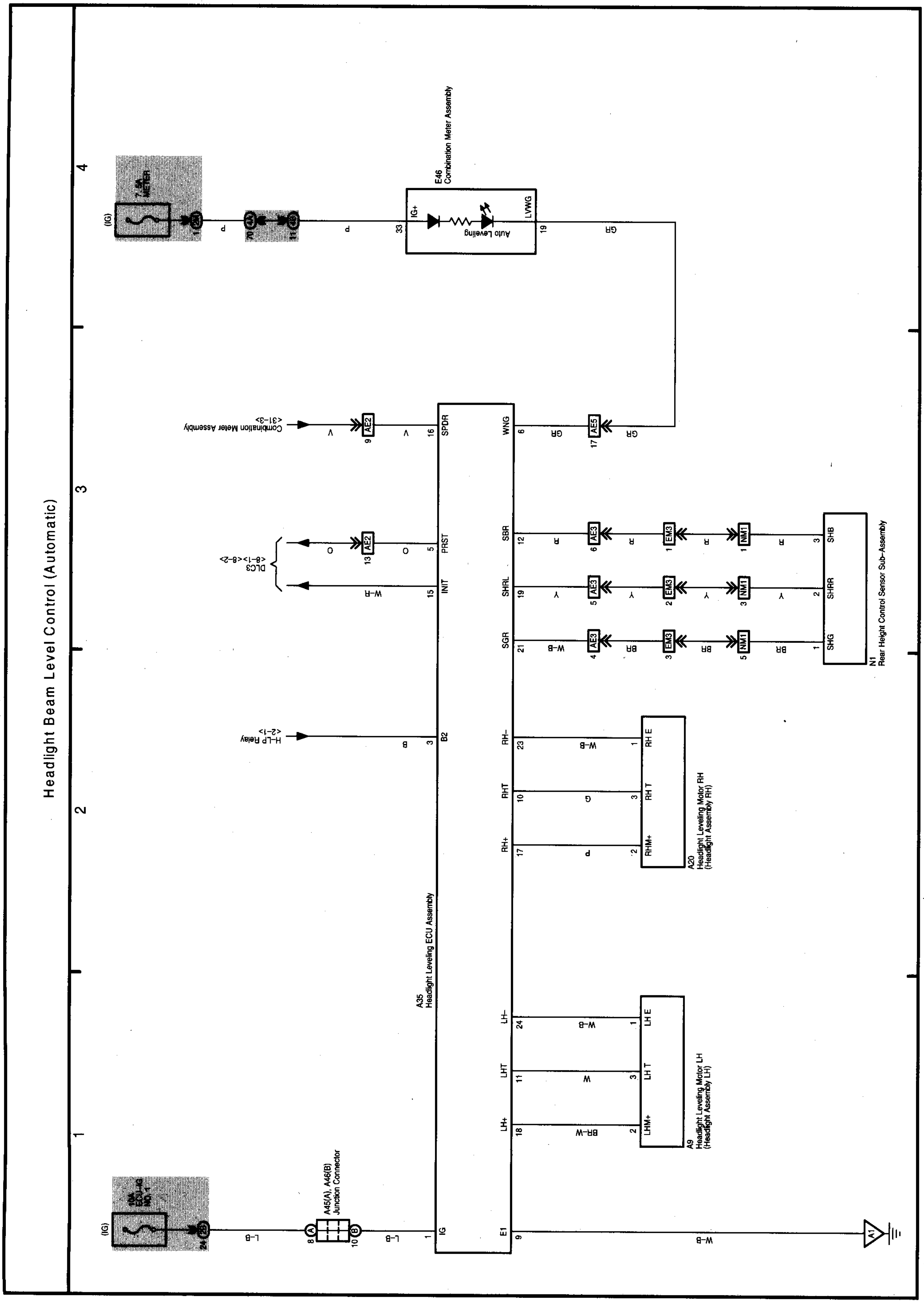
* 1 : w/ Smart Entry & Start System
* 2 : w/ Rear Spoiler
* 3 : w/o Rear Spoiler
1
2
3
4
(BAT)
10A STOP
A1
Stop Light
Switch Assembly
W
L
L-W
(*1)
A45(A), A46(B)
Junction Connector
ECM
<7-9>
Shift Lock Control ECU
Sub-Assembly<26-3>
Brake Actuator Assembly
< 18-4 >< 19-2 >
Main Body ECU
<2-6>
L30(A), L31(B)
Junction
Connector
(*2)
(*3)
DEF
B
L20
Noise Filter (Stop Light)
DEF Relay
<27-2>
Stop
L7
Rear Combination
Light Assembly LH
L44
Center Stop Light Assembly
L8
Center Stop Light Assembly
L29
Rear Combination
Light Assembly RH
W-B
L34
Junction Connector
L3


13 COROLLA
Back-Up Light
Front Fog Light
120A ALT
10A TAIL
T-LP Relay
E50(A), E52(C) Main Body ECU
Taillight and Illumination System <11-1>
FR FOG Relay
15A FR FOG
E58(A), E60(B) Headlight Dimmer Switch Assembly
Fog Light Switch
A22 Fog Light Assembly RH
A25 Fog Light Assembly LH
E46 Combination Meter Assembly
Front Fog
10A ECU-IG NO.2
B60 Back Up Light Switch Assembly
B88 Park/Neutral Position Switch Assembly
ECM <7-13>
L28 Rear Light Assembly RH
L34 Junction Connector
Navigation Receiver Assembly <29-3>
Clearance Warning ECU Assembly <30-4>
Television Camera Controller <29-1>
* 1 : A/T
* 2 : M/T
* 3 : w/ Navigation System
* 4 : w/ Automatic Light Control
* 5 : w/o Automatic Light Control
* 6 : Optitron Meter
* 7 : Except Optitron Meter

## 14 COROLLA

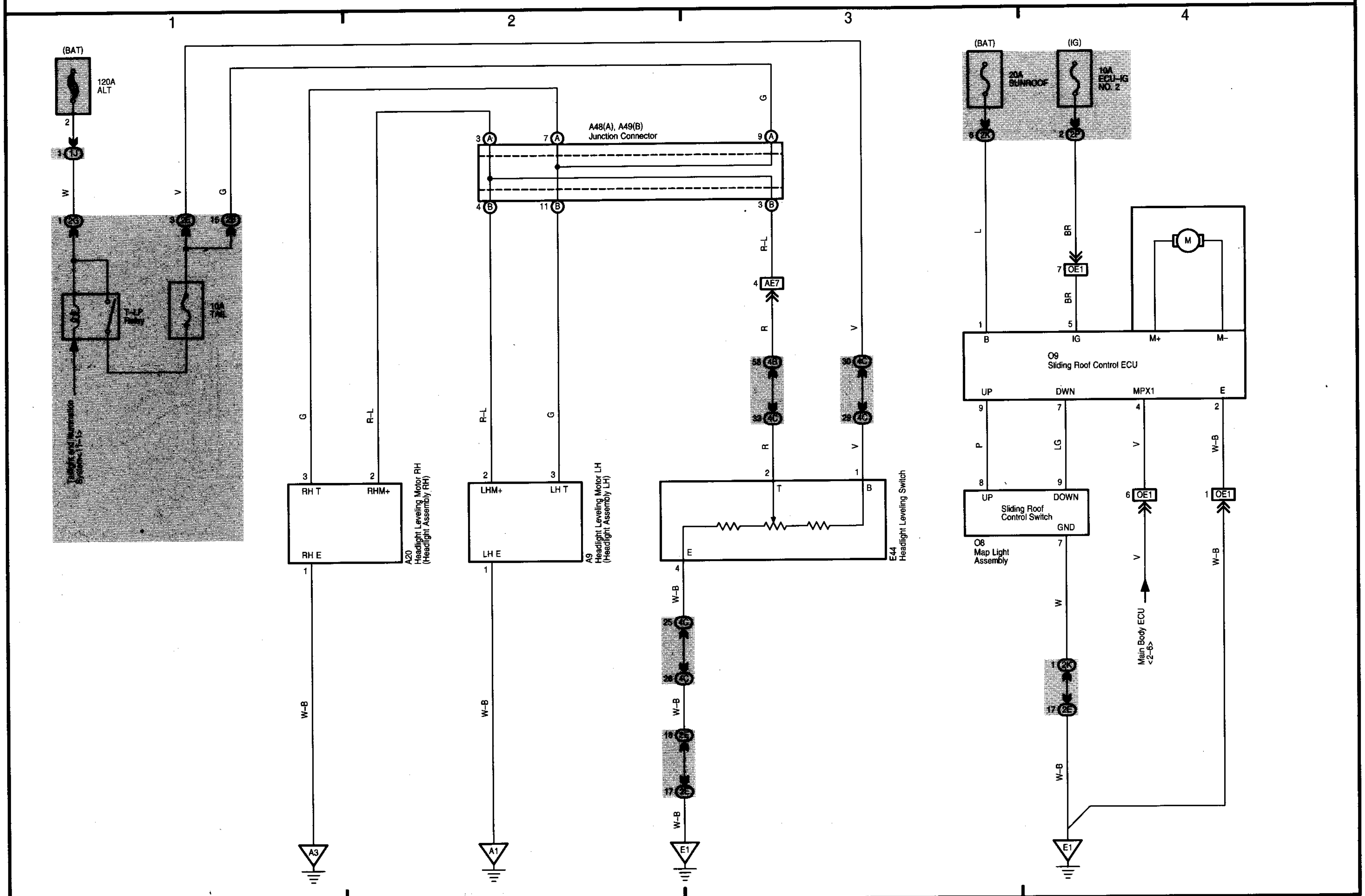

Rear Fog Light
* 1 : Optitron Meter
* 2 : Except Optitron Meter
* 3 : w/ Automatic Light Control
* 4 : w/o Automatic Light Control
(BAT)
120A ALT
(BAT)
7.5A RR FOG
10A TAIL
T-LP Relay
RR FOG Relay
E50(A), E51(B), E52(C)
Main Body ECU
TRLY
TAIL
RFOG
RFGO
E8(A), E60(B)
Headlight Dimmer Switch Assembly
Fog Light Switch
OFF
Rear
B
LFG
Taillight and Illumination System<11-1>
E46
Combination Meter Assembly
Rear Fog
L11
Rear Light Assembly LH
L34
Junction Connector
E2
E5
L3

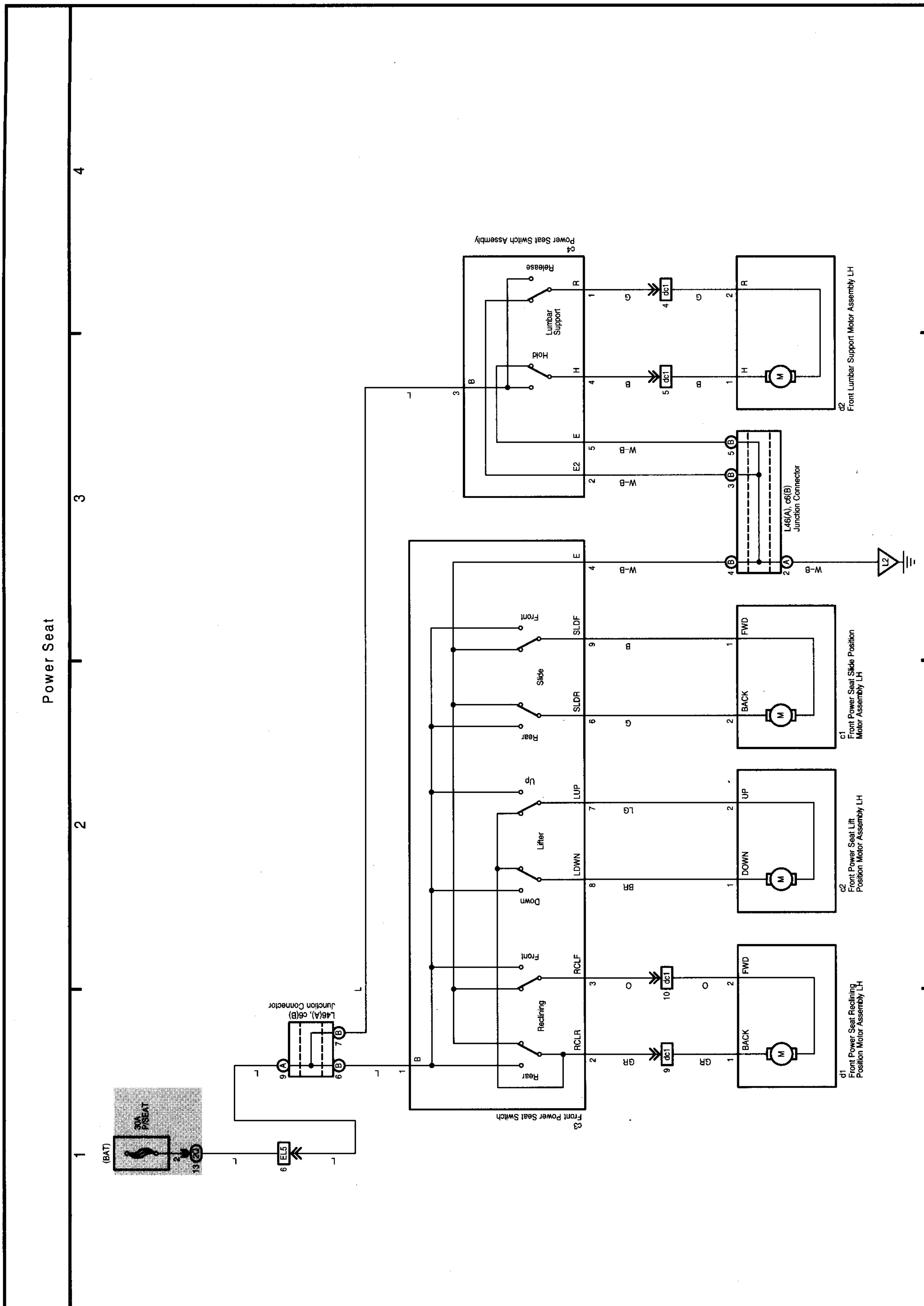
Headlight Beam Level Control (Automatic)



Headlight Beam Level Control (Manual)

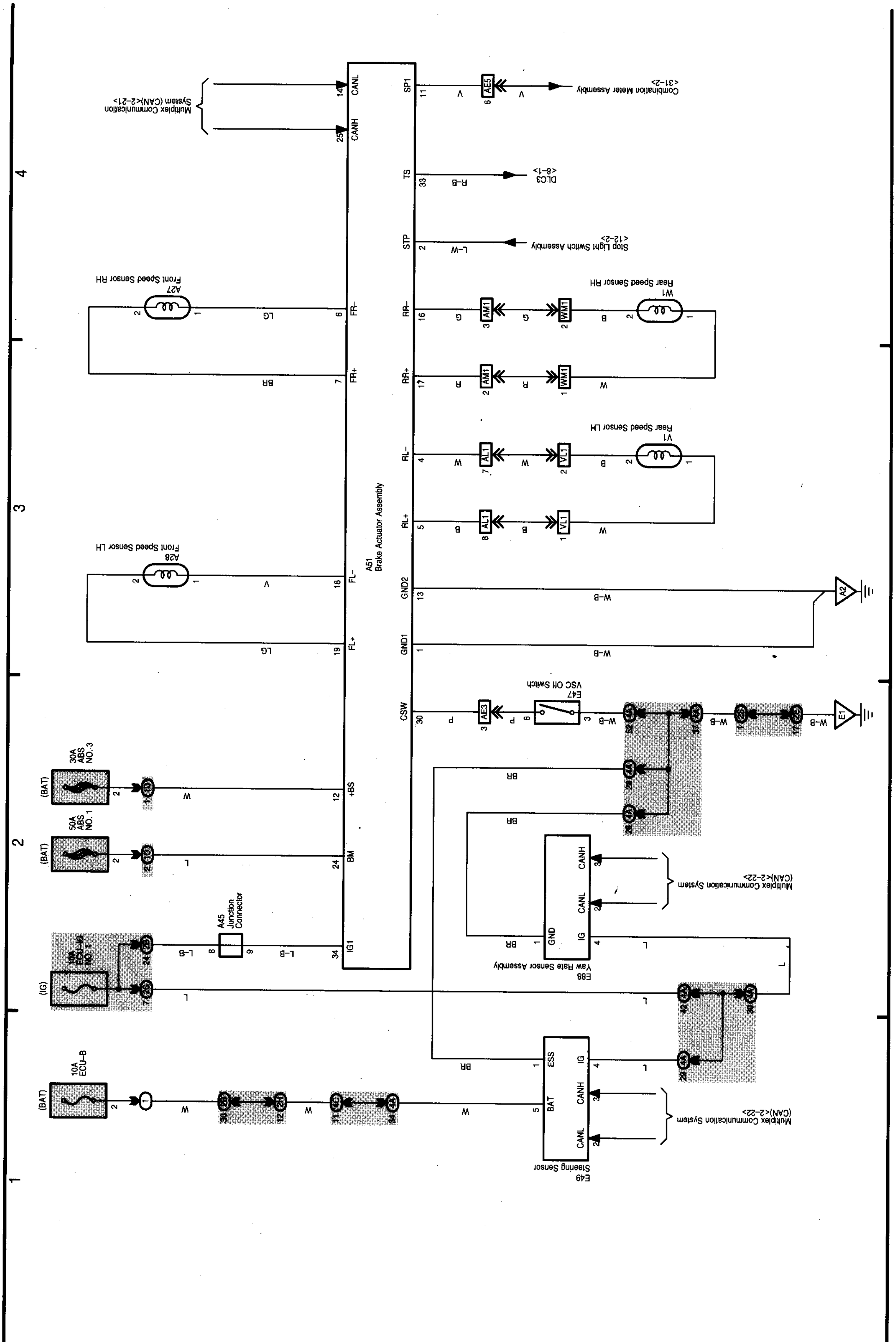
Sliding Roof





Power Seat
(BAT)
30A P/SEAT
L46(A), c6(B) Junction Connector
c3 Front Power Seat Switch
Reclining
Front
Rear
Lifter
Up
Down
Slide
c4 Power Seat Switch Assembly
Lumbar Support
Hold
Release
d2 Front Lumbar Support Motor Assembly LH
c1 Front Power Seat Slide Position Motor Assembly LH
c2 Front Power Seat Lift Position Motor Assembly LH
d1 Front Power Seat Reclining Position Motor Assembly LH

ABS (w/ VSC), TRC and VSC

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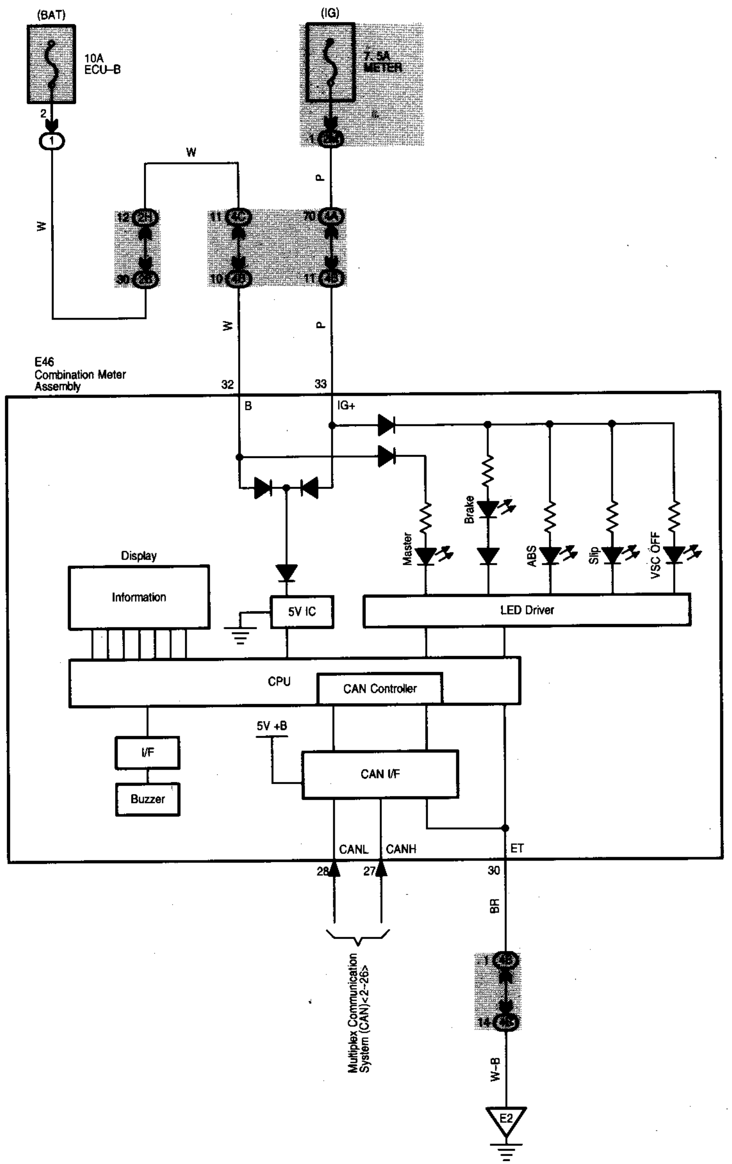
18 COROLLA

ABS (w/ VSC), TRC and VSC

5 6 7 8



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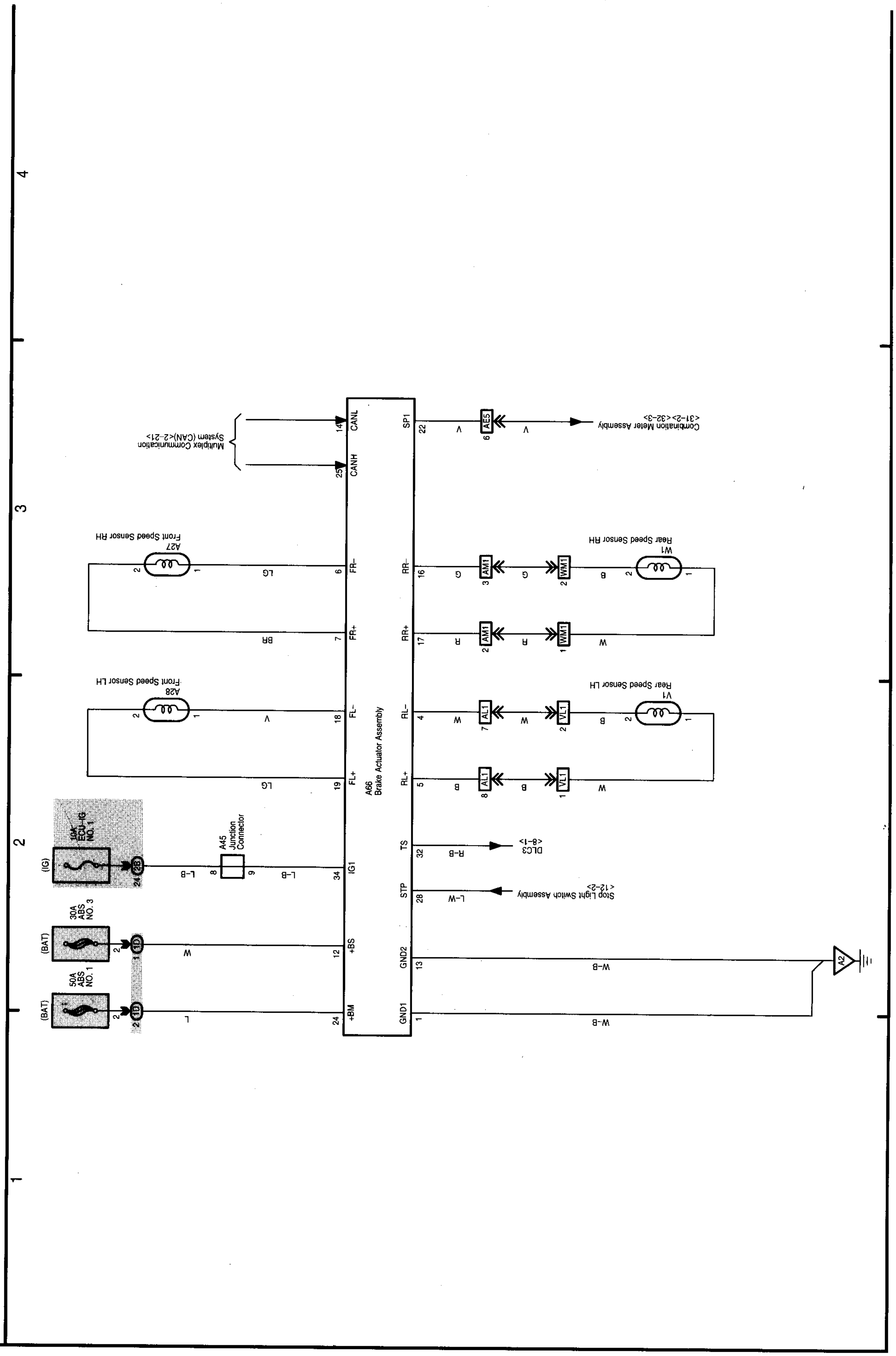
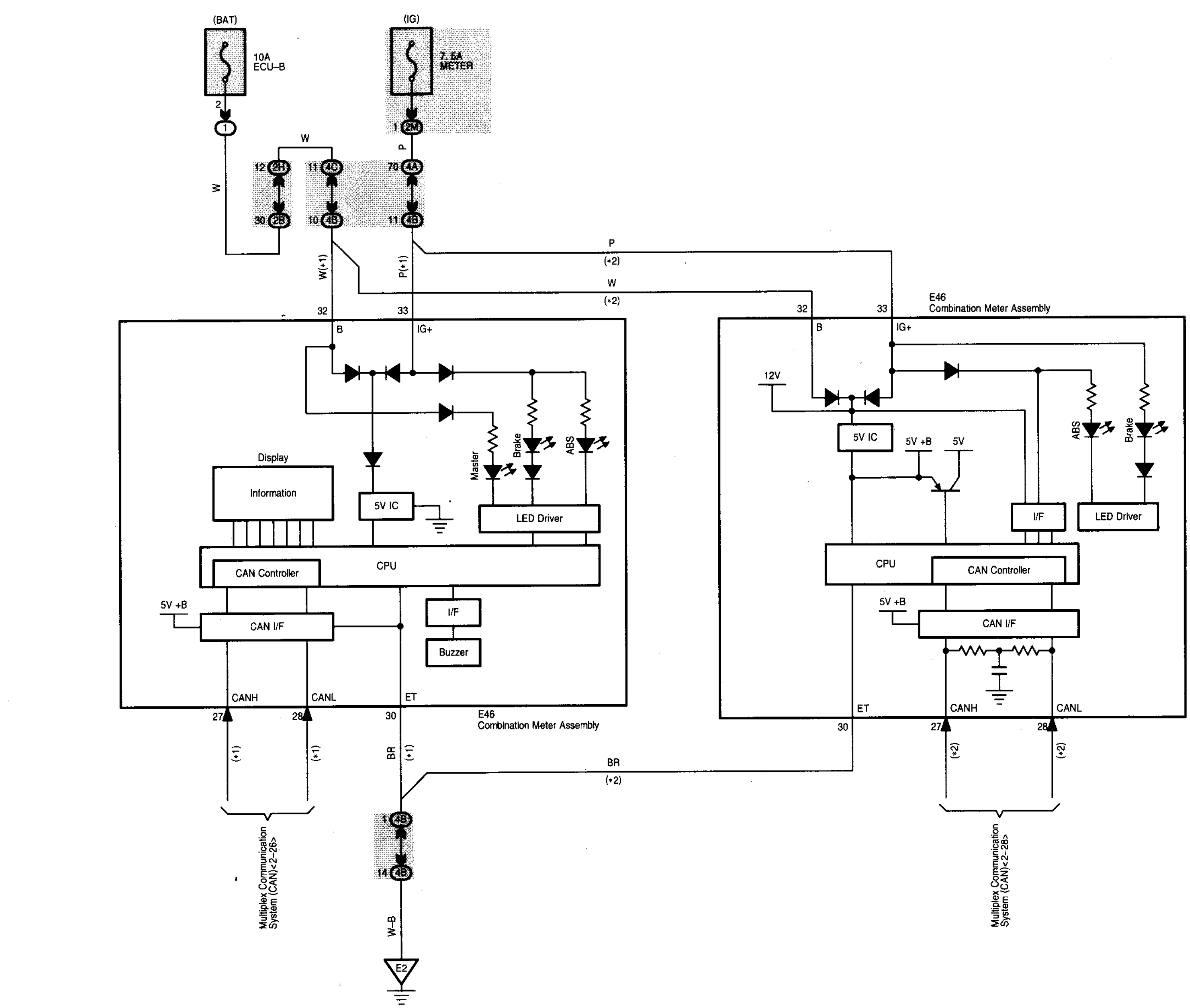
ABS (w/o VSC)



ABS (w/o VSC)

* 1 : Optitron Meter
* 2 : Except Optitron Meter



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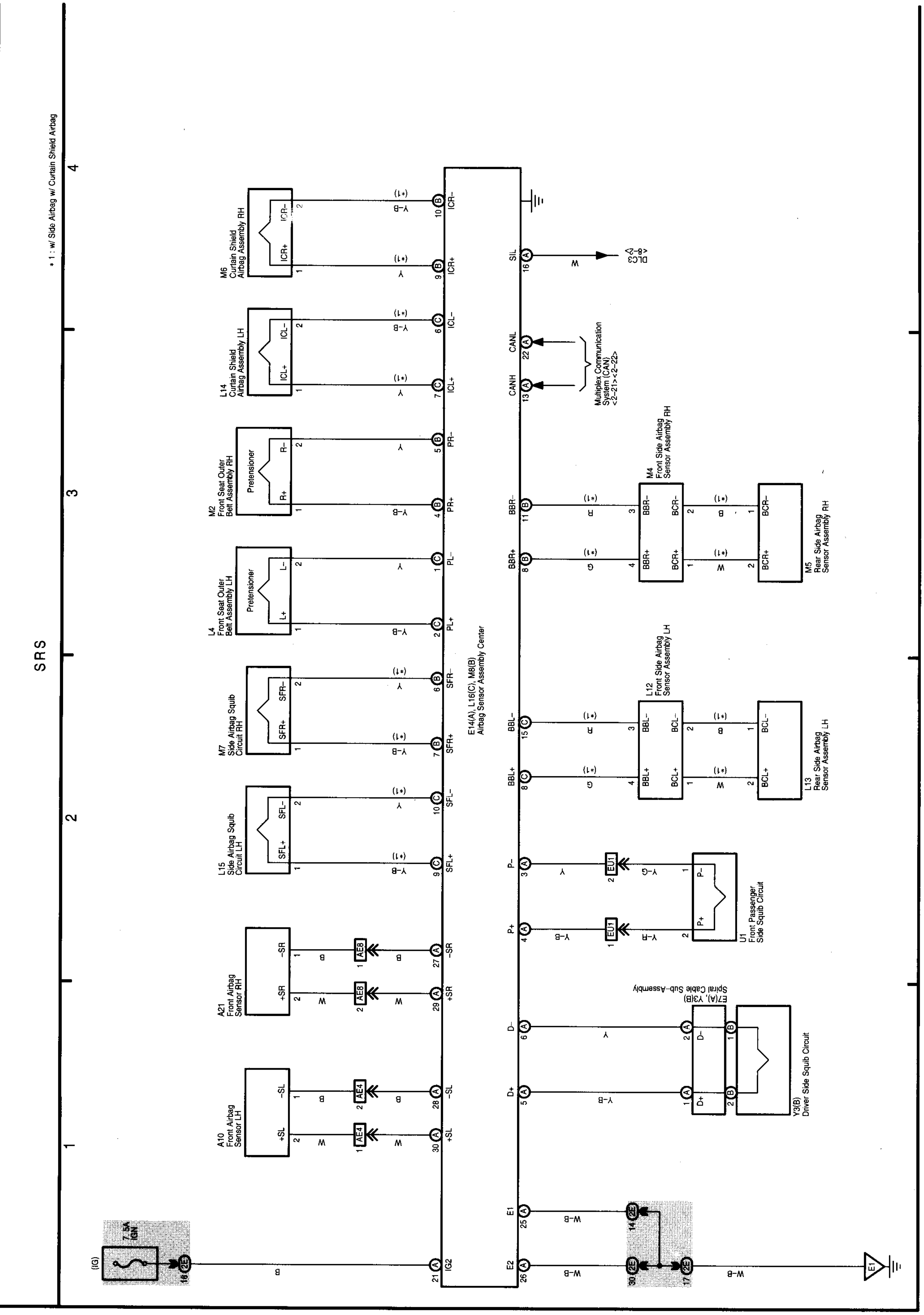
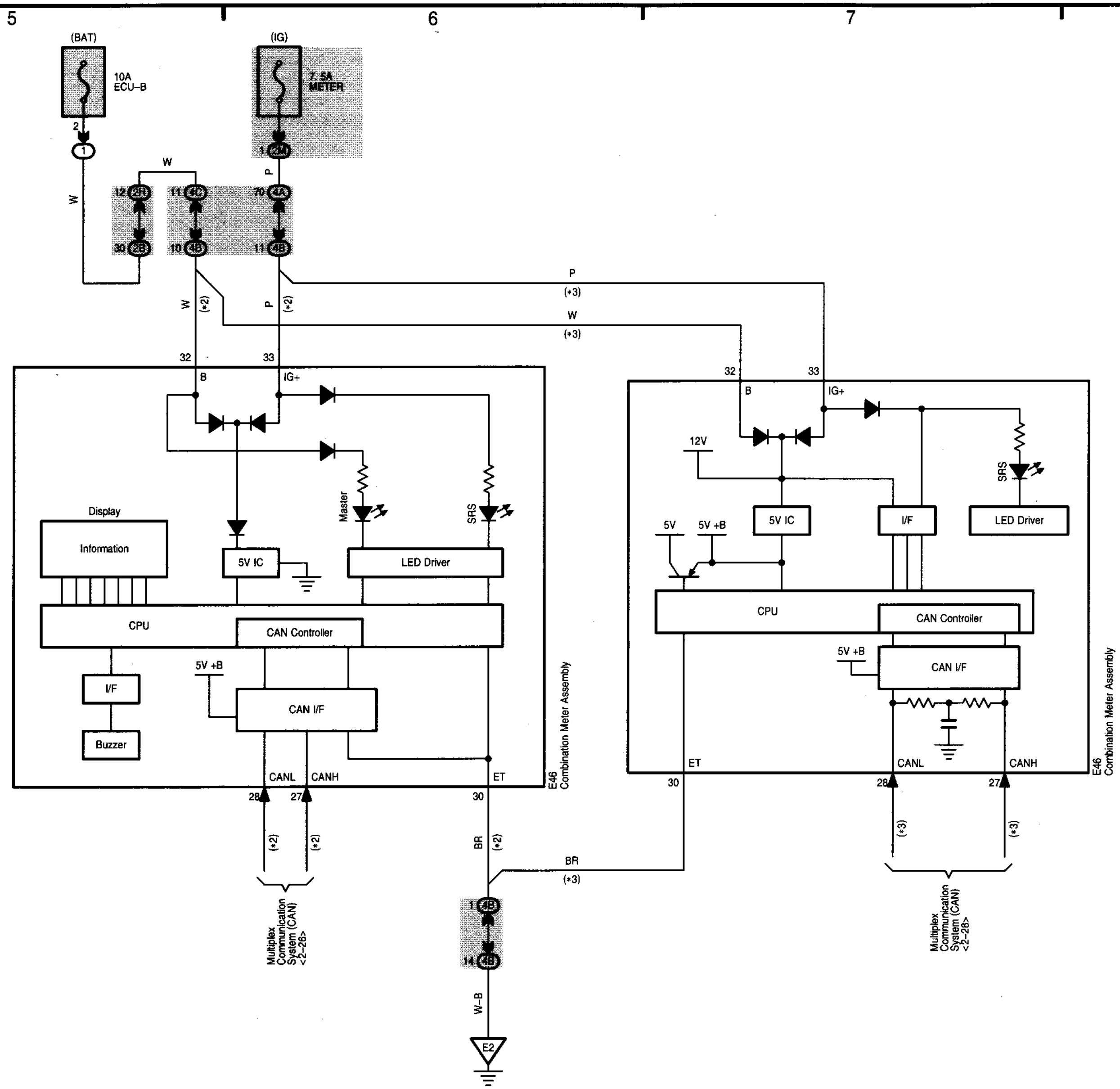
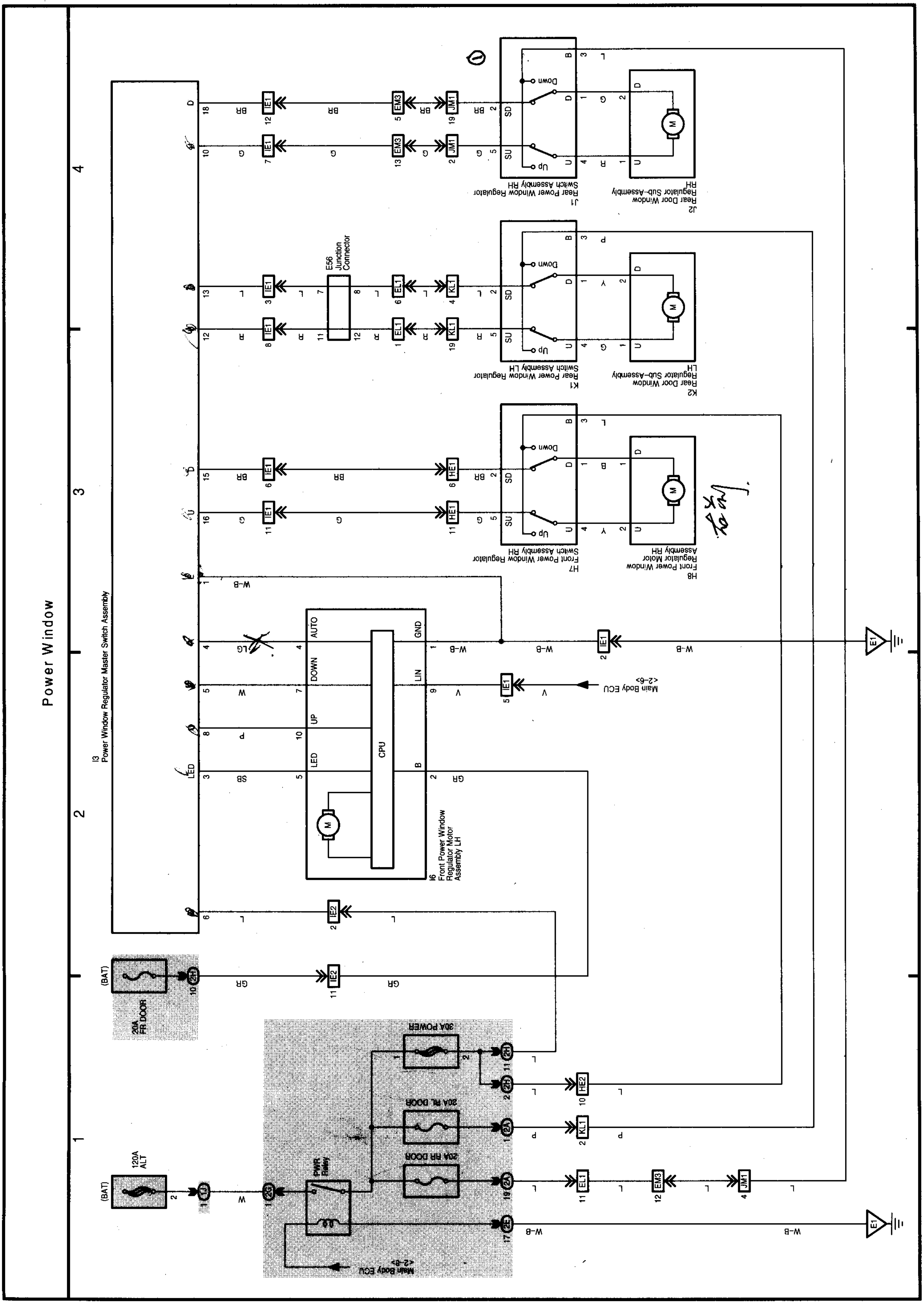


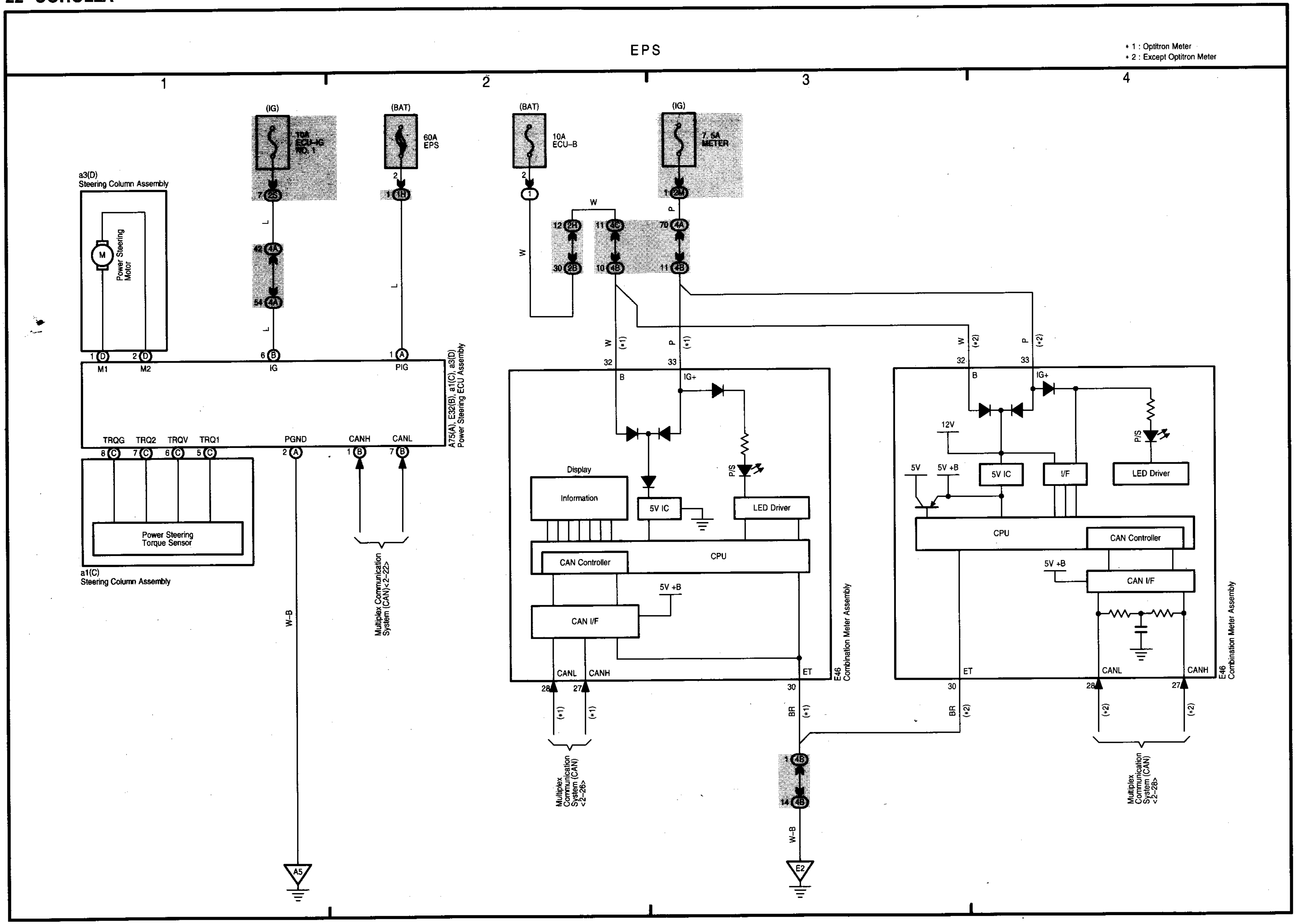
SRS

* 2 : Optitron Meter
* 3 : Except Optitron Meter



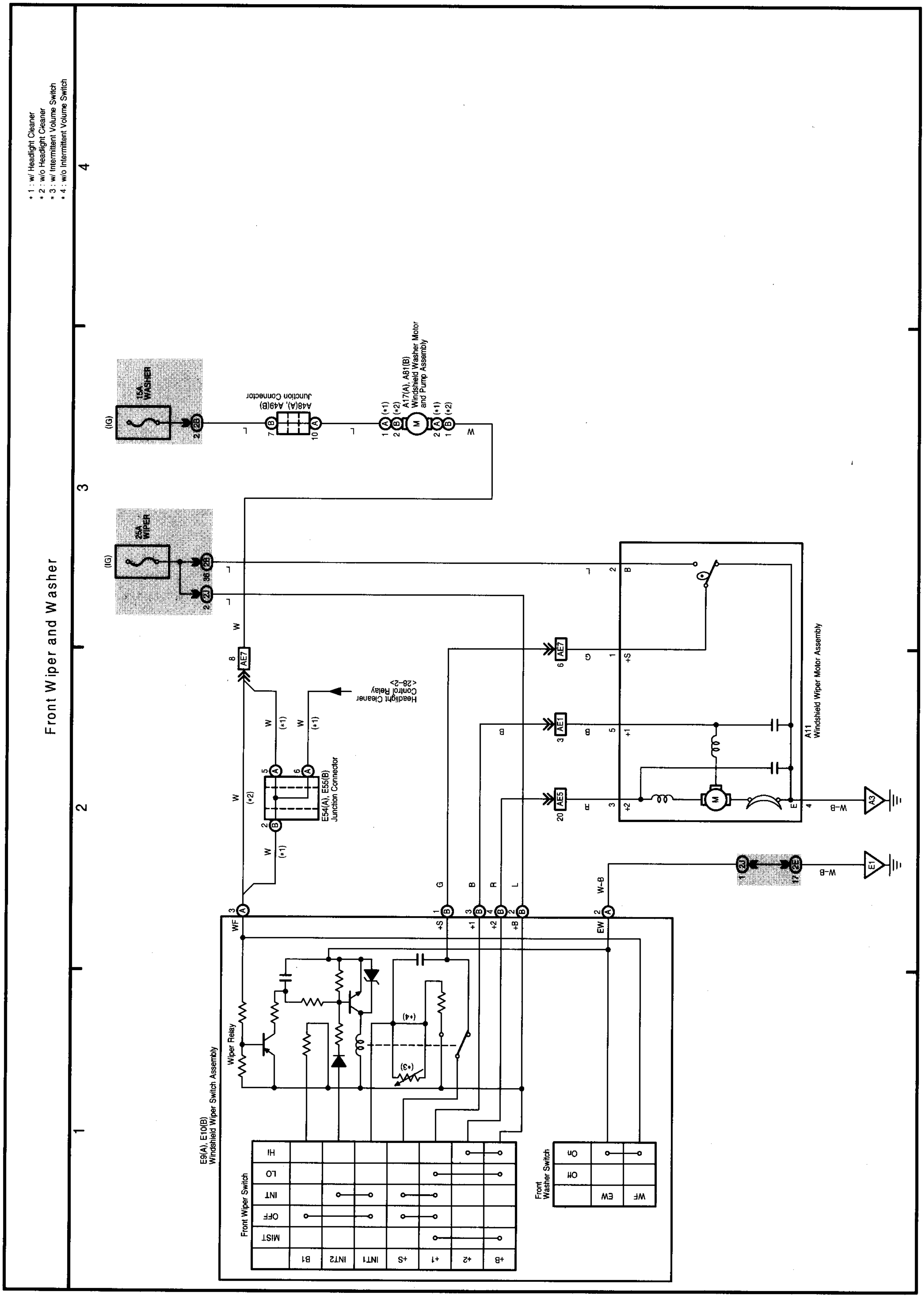


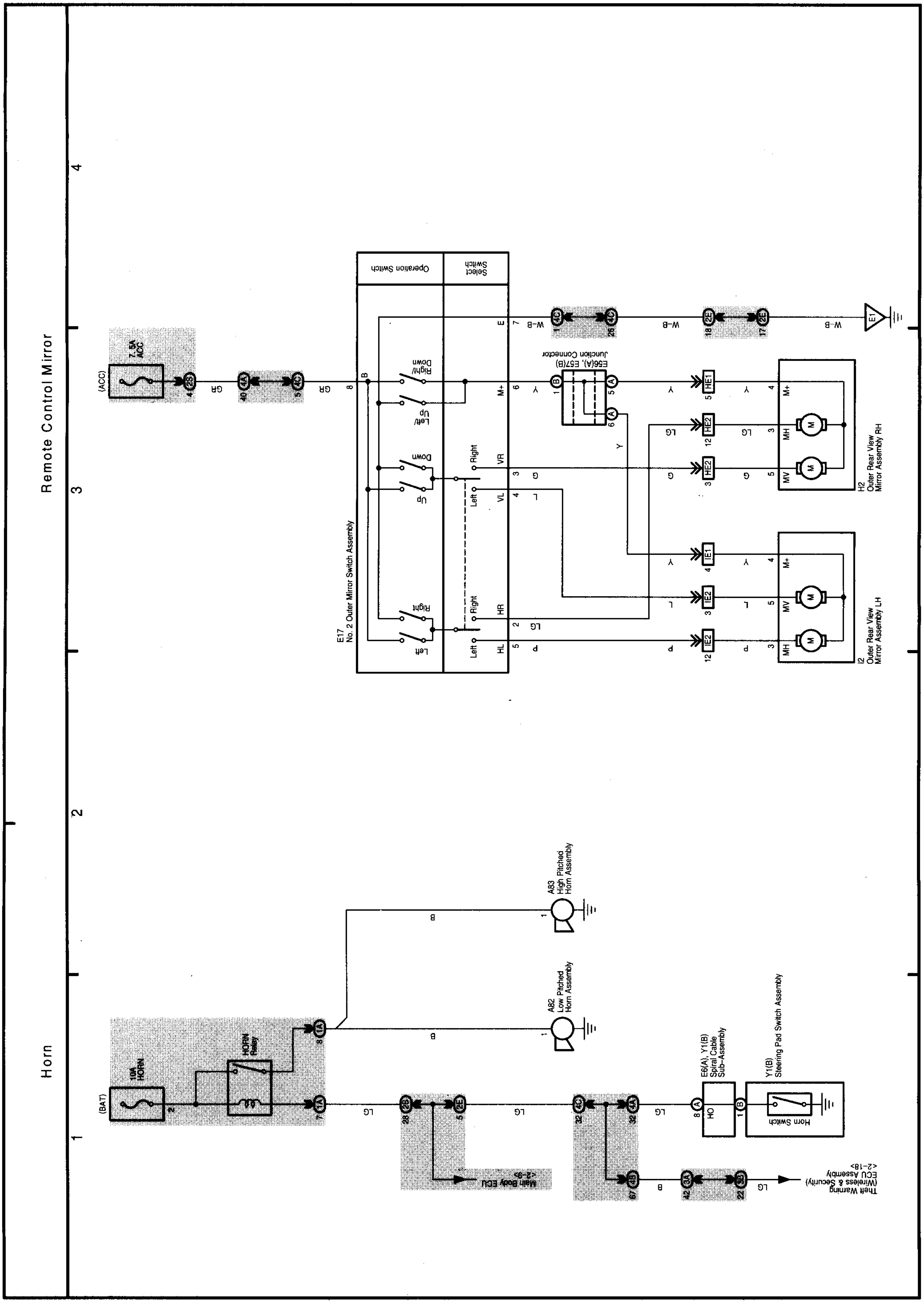
Power Window
I3 Power Window Regulator Master Switch Assembly
I6 Front Power Window Regulator Motor Assembly LH
H7 Front Power Window Regulator Switch Assembly RH
H8 Front Power Window Regulator Motor Assembly RH
K1 Rear Power Window Regulator Switch Assembly LH
K2 Rear Door Window Regulator Sub-Assembly LH
J1 Rear Power Window Regulator Switch Assembly RH
J2 Rear Door Window Regulator Sub-Assembly RH
E56 Junction Connector
Main Body ECU <2-6>
30A POWER
20A RL DOOR
20A RR DOOR
PWR Relay
120A ALT
20A FR DOOR
(BAT)
AUTO
DOWN
UP
LED
CPU
GND
LIN
Up
Down


EPS
* 1 : Optitron Meter
* 2 : Except Optitron Meter
1
2
3
4
(IG)
10A ECU-IG NO. 1
(BAT)
60A EPS
(BAT)
10A ECU-B
(IG)
7.5A METER
a3(D)
Steering Column Assembly
Power Steering Motor
M1
M2
IG
PIG
A75(A), E32(B), a1(C), a3(D)
Power Steering ECU Assembly
TRQG
TRQ2
TRQV
TRQ1
PGND
CANH
CANL
Power Steering Torque Sensor
a1(C)
Steering Column Assembly
Multiplex Communication System (CAN)<2-22>
W-B
A5
Display
Information
5V IC
LED Driver
P/S
CPU
CAN Controller
5V +B
CAN I/F
CANL
CANH
ET
B
IG+
E46
Combination Meter Assembly
Multiplex Communication System (CAN) <2-26>
BR
E2
12V
5V
5V +B
5V IC
I/F
LED Driver
P/S
CPU
CAN Controller
5V +B
CAN I/F
ET
CANL
CANH
E46
Combination Meter Assembly
Multiplex Communication System (CAN) <2-28>

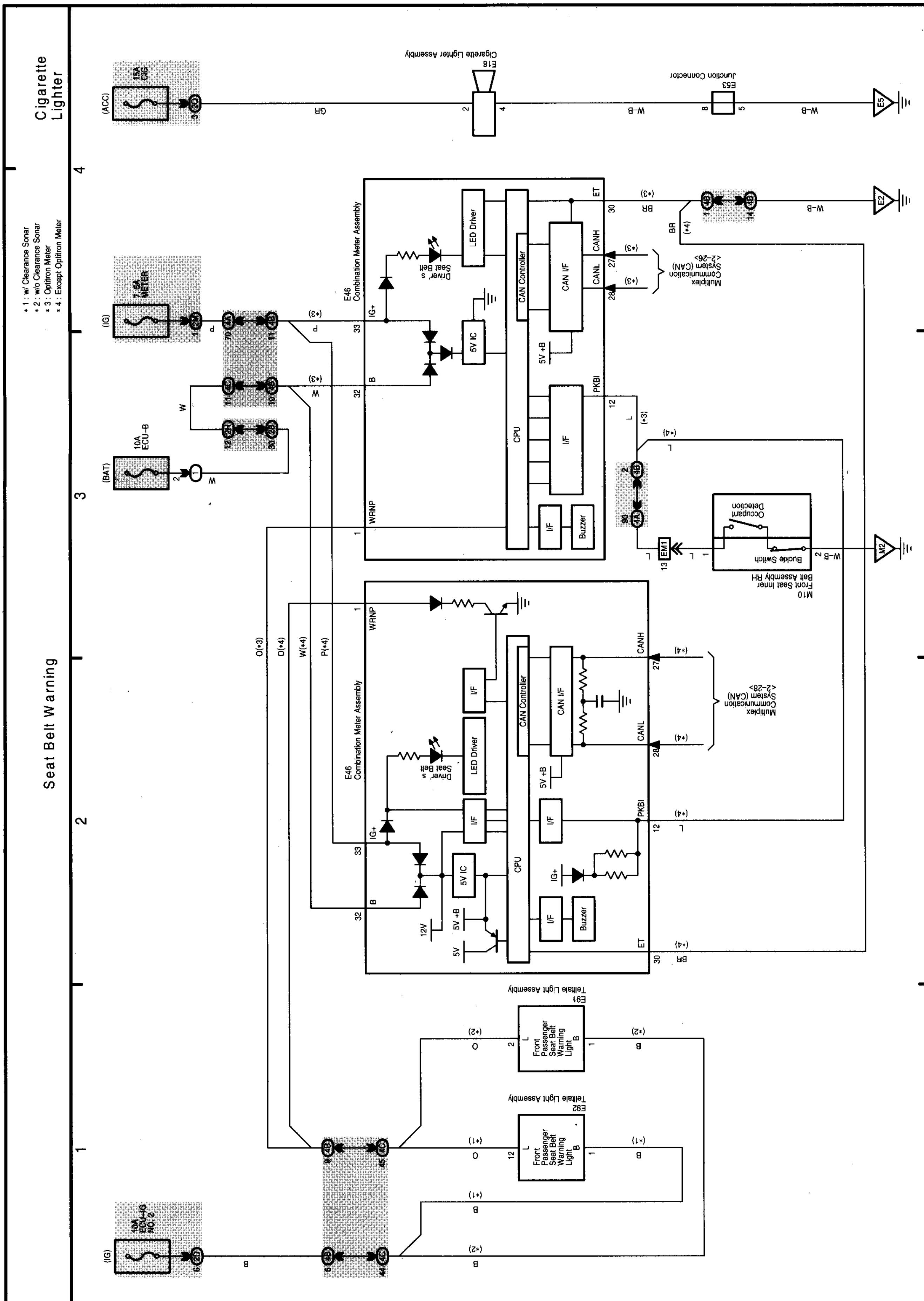


M


Front Wiper and Washer
*1 : w/ Headlight Cleaner
*2 : w/o Headlight Cleaner
*3 : w/ Intermittent Volume Switch
*4 : w/o Intermittent Volume Switch
15A WASHER
25A WIPER
(IG)
A48(A), A49(B) Junction Connector
A17(A), A81(B) Windshield Washer Motor and Pump Assembly
Headlight Cleaner Control Relay <28-2>
E54(A), E55(B) Junction Connector
A11 Windshield Wiper Motor Assembly
E9(A), E10(B) Windshield Wiper Switch Assembly
Wiper Relay
Front Wiper Switch
Front Washer Switch
MIST
OFF
INT
LO
HI
On
Off
W-B
A3
E1

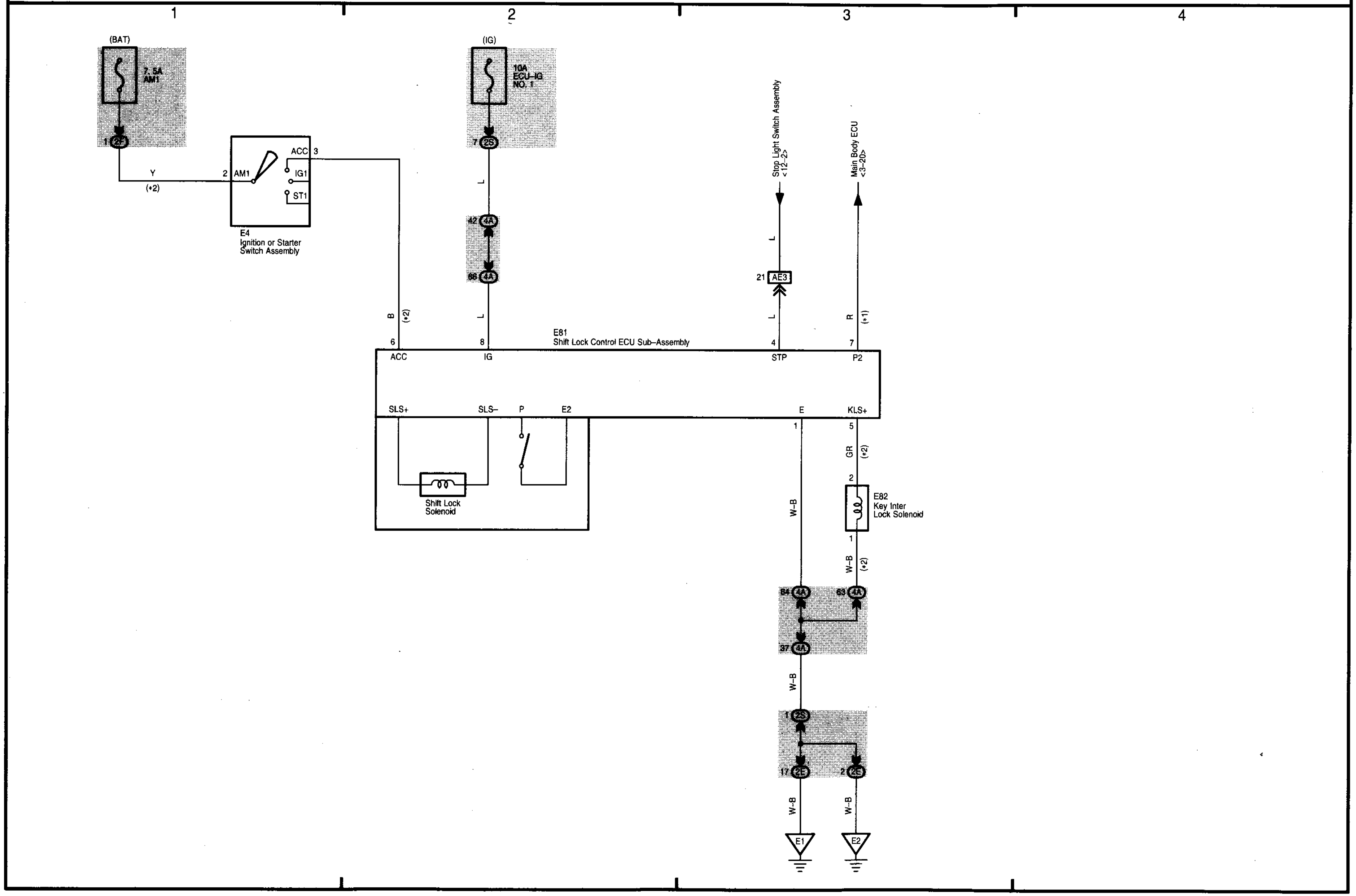

Horn
Remote Control Mirror
(BAT)
10A HORN
HORN Relay
(ACC)
7.5A ACC
A82 Low Pitched Horn Assembly
A83 High Pitched Horn Assembly
E6(A), Y1(B) Spiral Cable Sub-Assembly
Y1(B) Steering Pad Switch Assembly
Horn Switch
Main Body ECU <2-9>
Theft Warning (Wireless & Security) ECU Assembly <2-18>
E17 No. 2 Outer Mirror Switch Assembly
Operation Switch
Select Switch
E56(A), E57(B) Junction Connector
H2 Outer Rear View Mirror Assembly RH
I2 Outer Rear View Mirror Assembly LH
E1

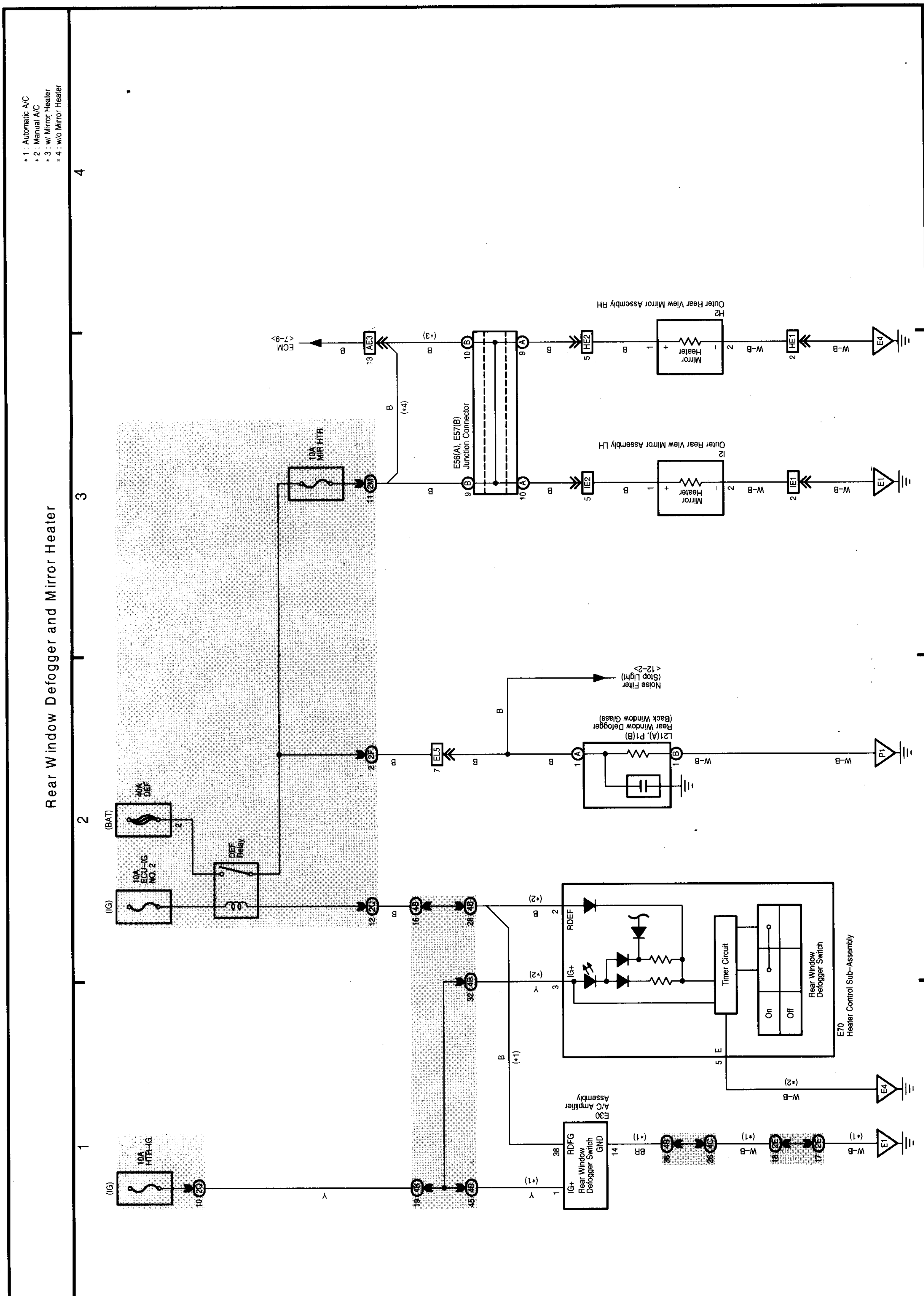
24 COROLLA


Cigarette Lighter
Seat Belt Warning
* 1 : w/ Clearance Sonar
* 2 : w/o Clearance Sonar
* 3 : Optitron Meter
* 4 : Except Optitron Meter
15A CIG
7.5A METER
10A ECU-B
10A ECU-IG NO. 2
E18 Cigarette Lighter Assembly
E53 Junction Connector
E46 Combination Meter Assembly
M10 Front Seat Inner Belt Assembly RH
Buckle Switch
Occupant Detection
Multiplex Communication System (CAN) <2-26>
Multiplex Communication System (CAN) <2-28>
E91 Telltale Light Assembly
E92 Telltale Light Assembly
Front Passenger Seat Belt Warning Light
Driver's Seat Belt
LED Driver
CAN Controller
CAN I/F
CPU
5V IC
Buzzer
25 COROLLA

# Shift Lock

* 1 : w/ Smart Entry & Start System
* 2 : w/o Smart Entry & Start System

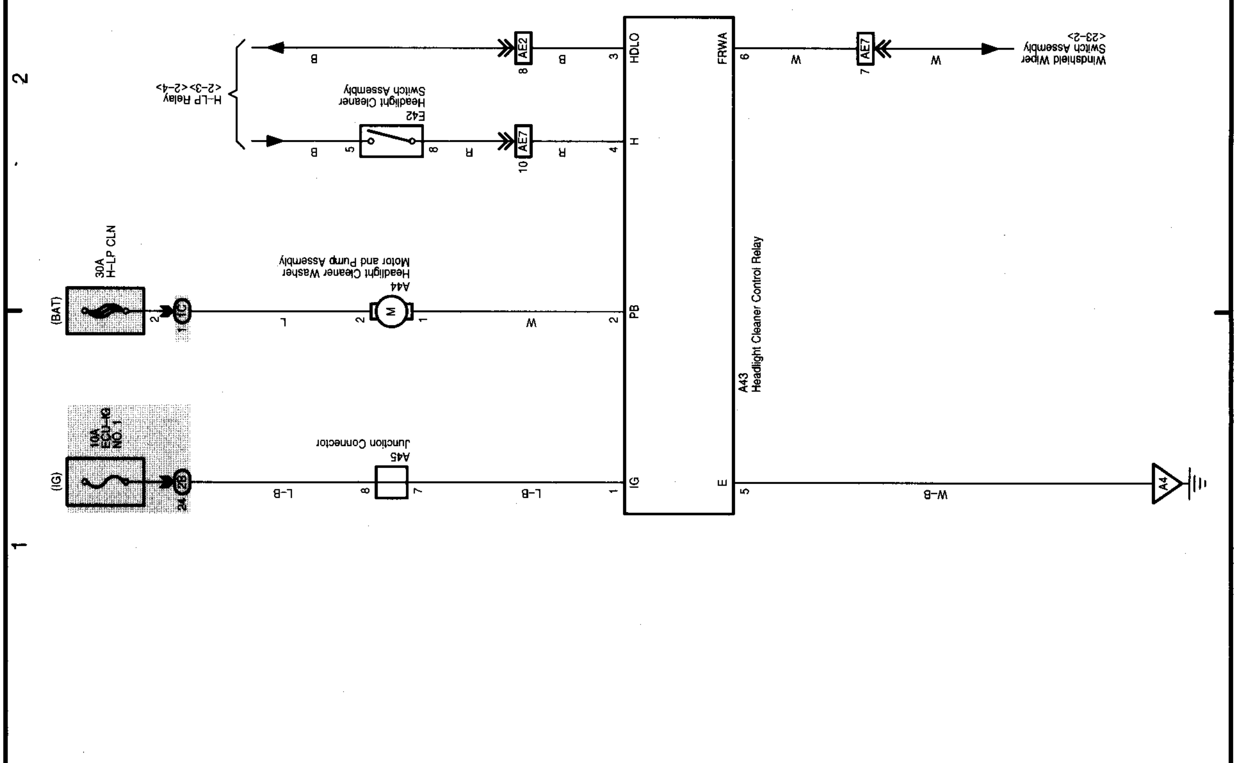


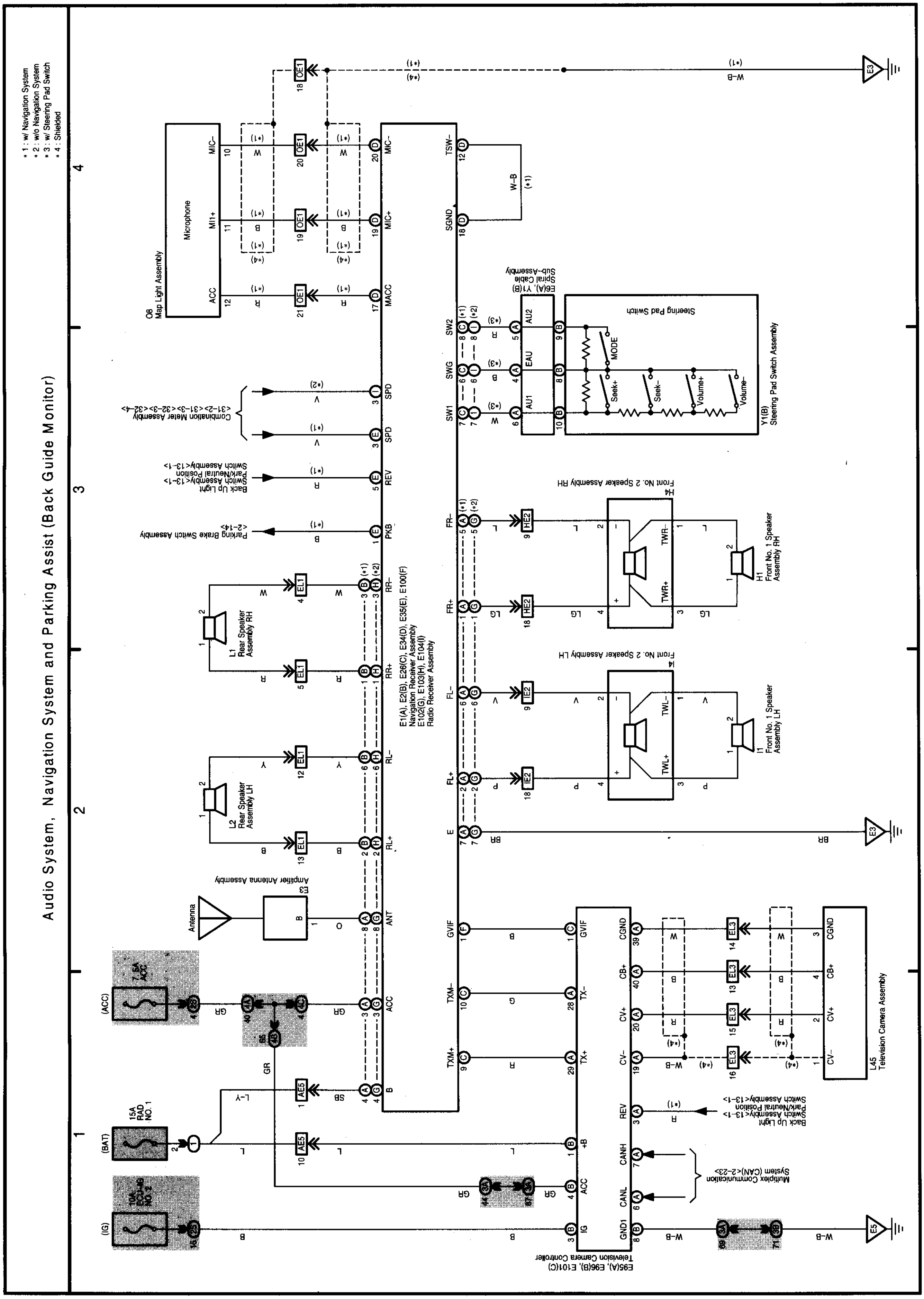


Rear Window Defogger and Mirror Heater
* 1 : Automatic A/C
* 2 : Manual A/C
* 3 : w/ Mirror Heater
* 4 : w/o Mirror Heater
10A HTR-IG
10A ECU-IG NO. 2
40A DEF
DEF Relay
10A MIR HTR
(IG)
(BAT)
E56(A), E57(B) Junction Connector
ECM
H2 Outer Rear View Mirror Assembly RH
I2 Outer Rear View Mirror Assembly LH
Mirror Heater
L21(A), P1(B) Rear Window Defogger (Back Window Glass)
Noise Filter (Stop Light)
E70 Heater Control Sub-Assembly
Rear Window Defogger Switch
Timer Circuit
On
Off
RDEF
IG+
E30 A/C Amplifier Assembly
IG+ Rear Window Defogger Switch
RDFG
GND

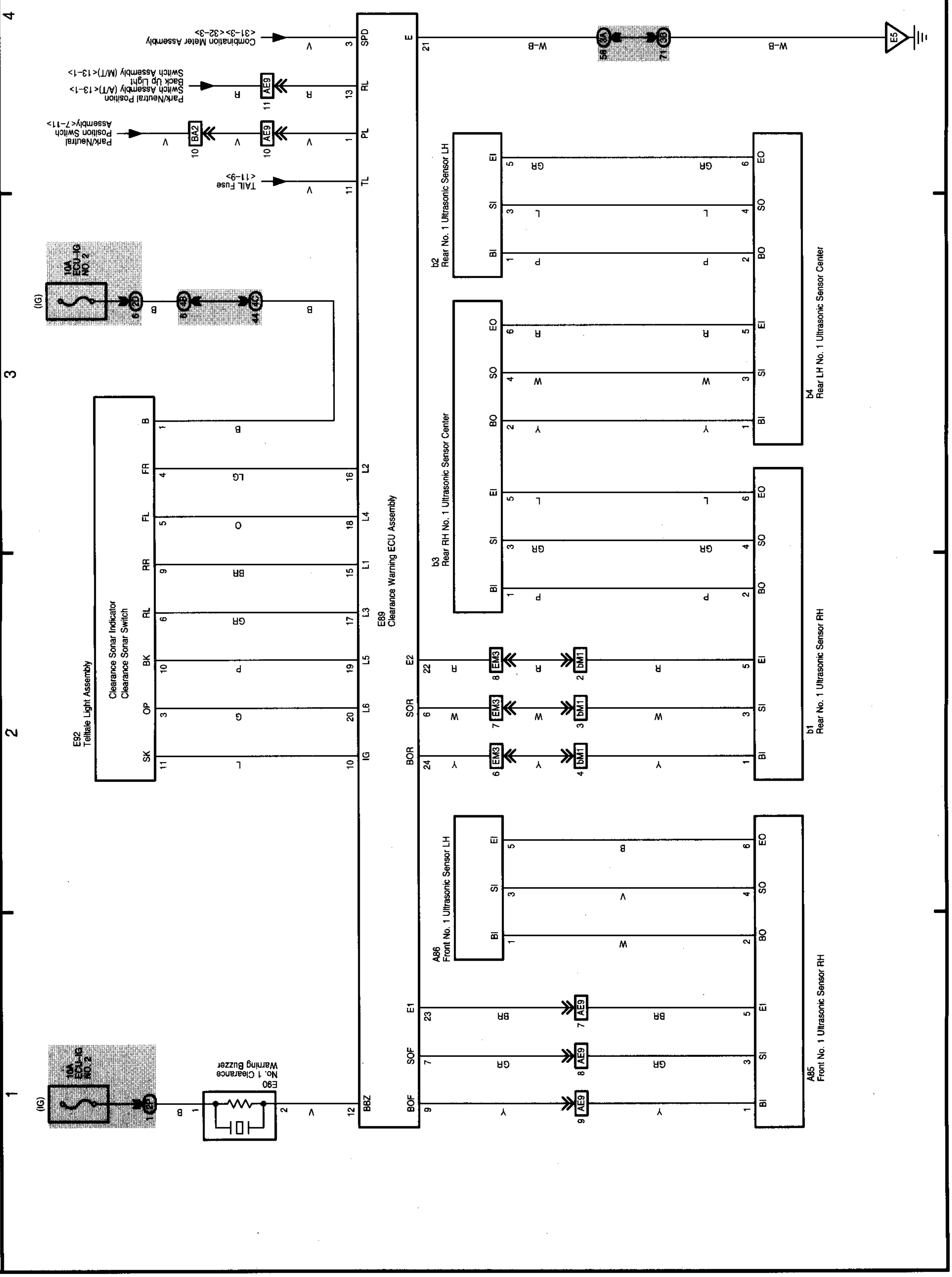
28 COROLLA

Headlight Cleaner




29 COROLLA
Audio System, Navigation System and Parking Assist (Back Guide Monitor)
* 1 : w/ Navigation System
* 2 : w/o Navigation System
* 3 : w/ Steering Pad Switch
* 4 : Shielded
O8 Map Light Assembly
Microphone
E1(A), E2(B), E26(C), E34(D), E35(E), E100(F) E102(G), E103(H), E104(I) Navigation Receiver Assembly Radio Receiver Assembly
E3 Amplifier Antenna Assembly
Antenna
L2 Rear Speaker Assembly LH
L1 Rear Speaker Assembly RH
Parking Brake Switch Assembly <2-14>
Back Up Light Switch Assembly <13-1> Park/Neutral Position Switch Assembly <13-1>
Combination Meter Assembly <31-2><31-3><32-3><32-4>
E6(A), Y1(B) Spiral Cable Sub-Assembly
Steering Pad Switch
Y1(B) Steering Pad Switch Assembly
H4 Front No. 2 Speaker Assembly RH
H1 Front No. 1 Speaker Assembly RH
I4 Front No. 2 Speaker Assembly LH
I1 Front No. 1 Speaker Assembly LH
E95(A), E96(B), E101(C) Television Camera Controller
L45 Television Camera Assembly
Multiplex Communication System (CAN) <2-23>
(ACC) 7.5A ACC
(BAT) 15A RAD NO. 1
(IG) 10A ECU-IG NO. 2

## Parking Assist (TOYOTA Parking Assist-Sensor)



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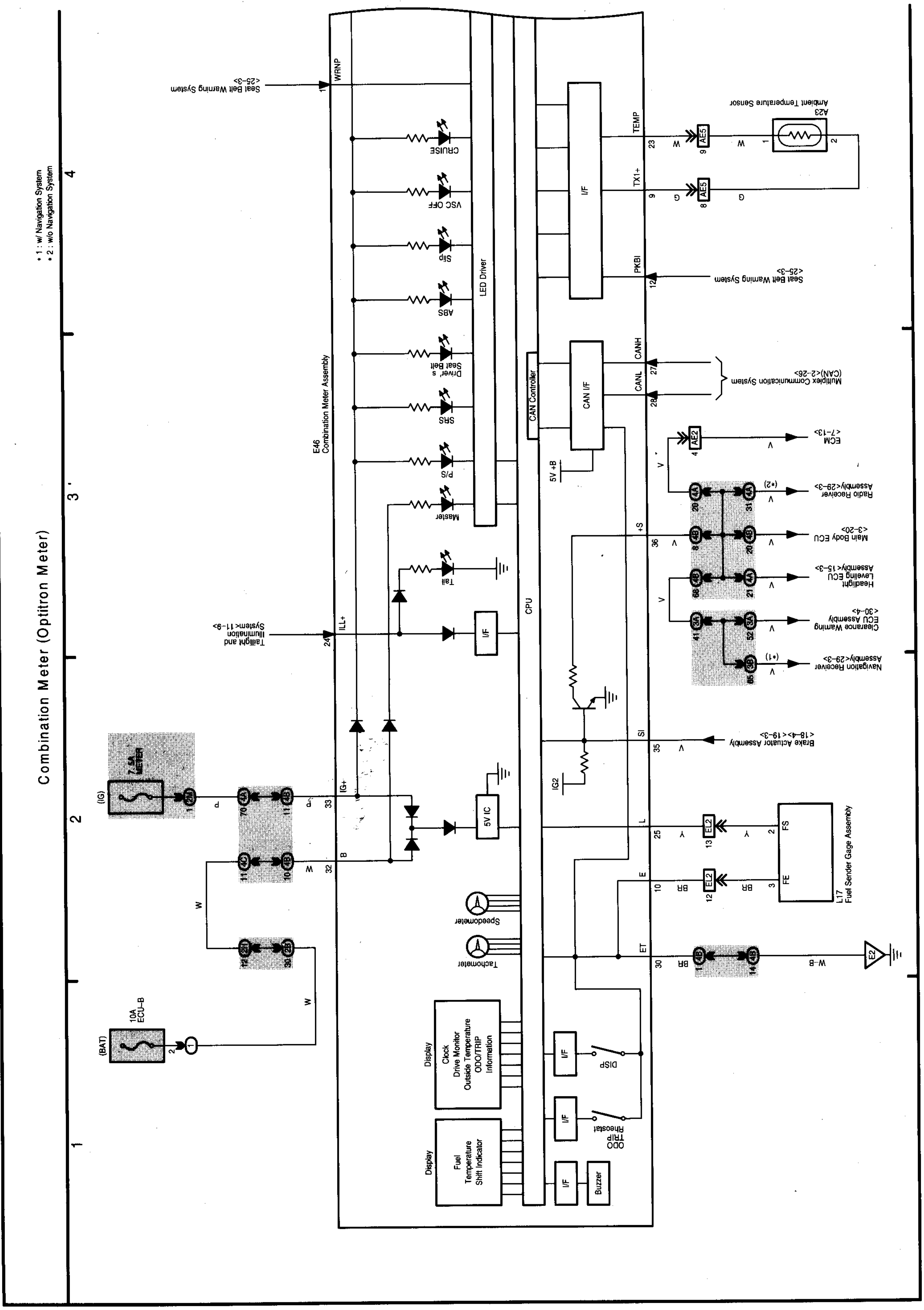
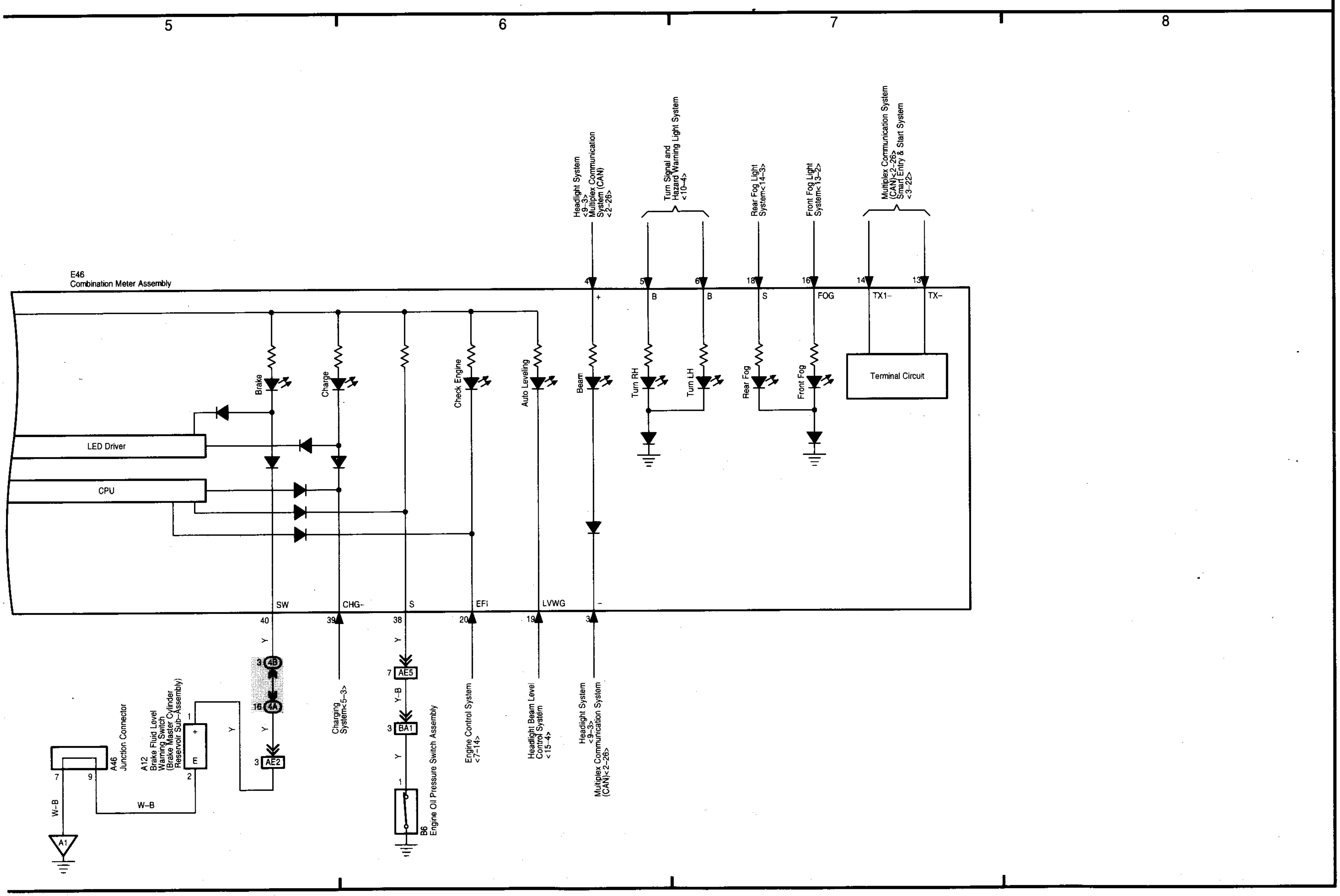


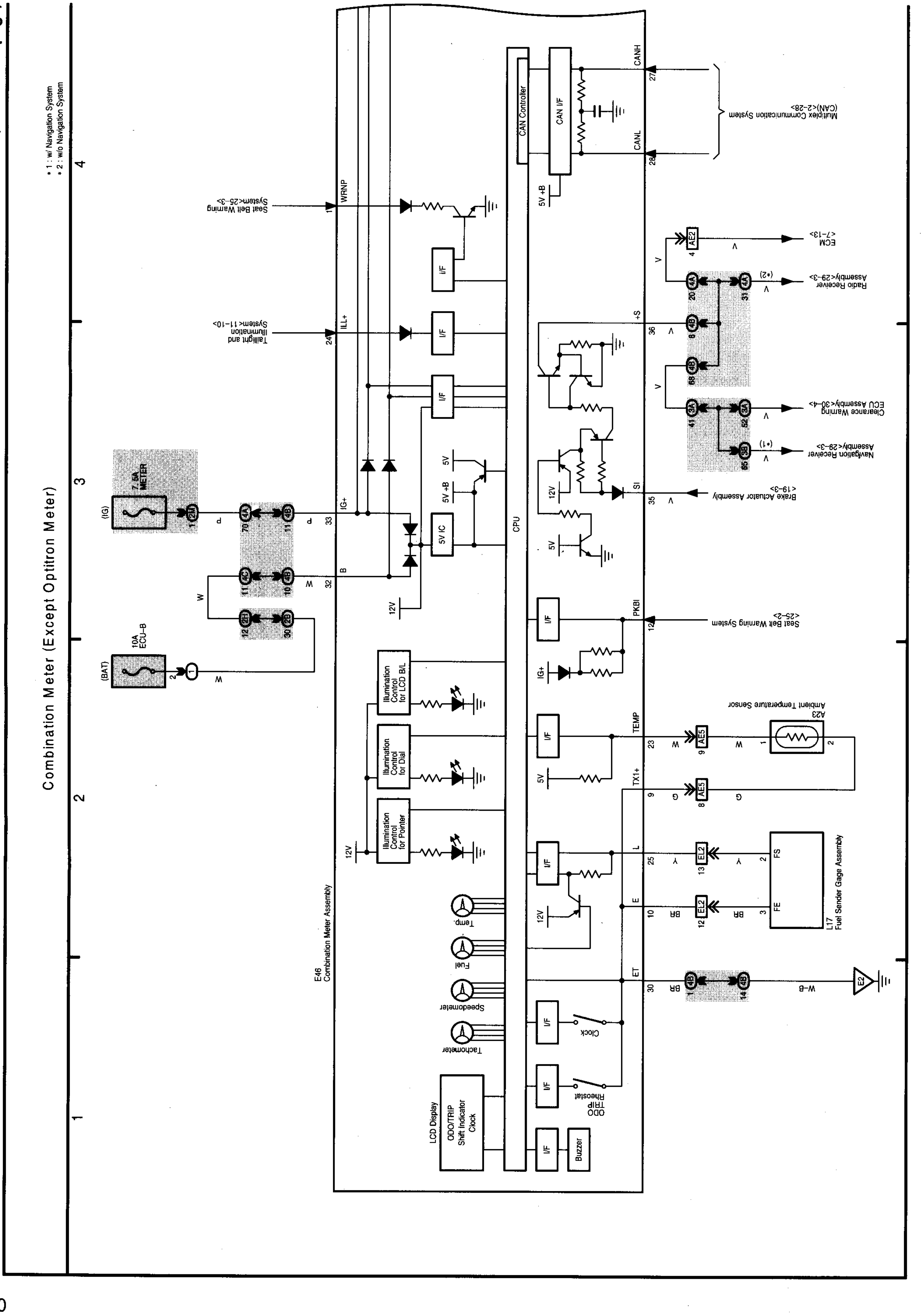

31 COROLLA

## Combination Meter (Optitron Meter)



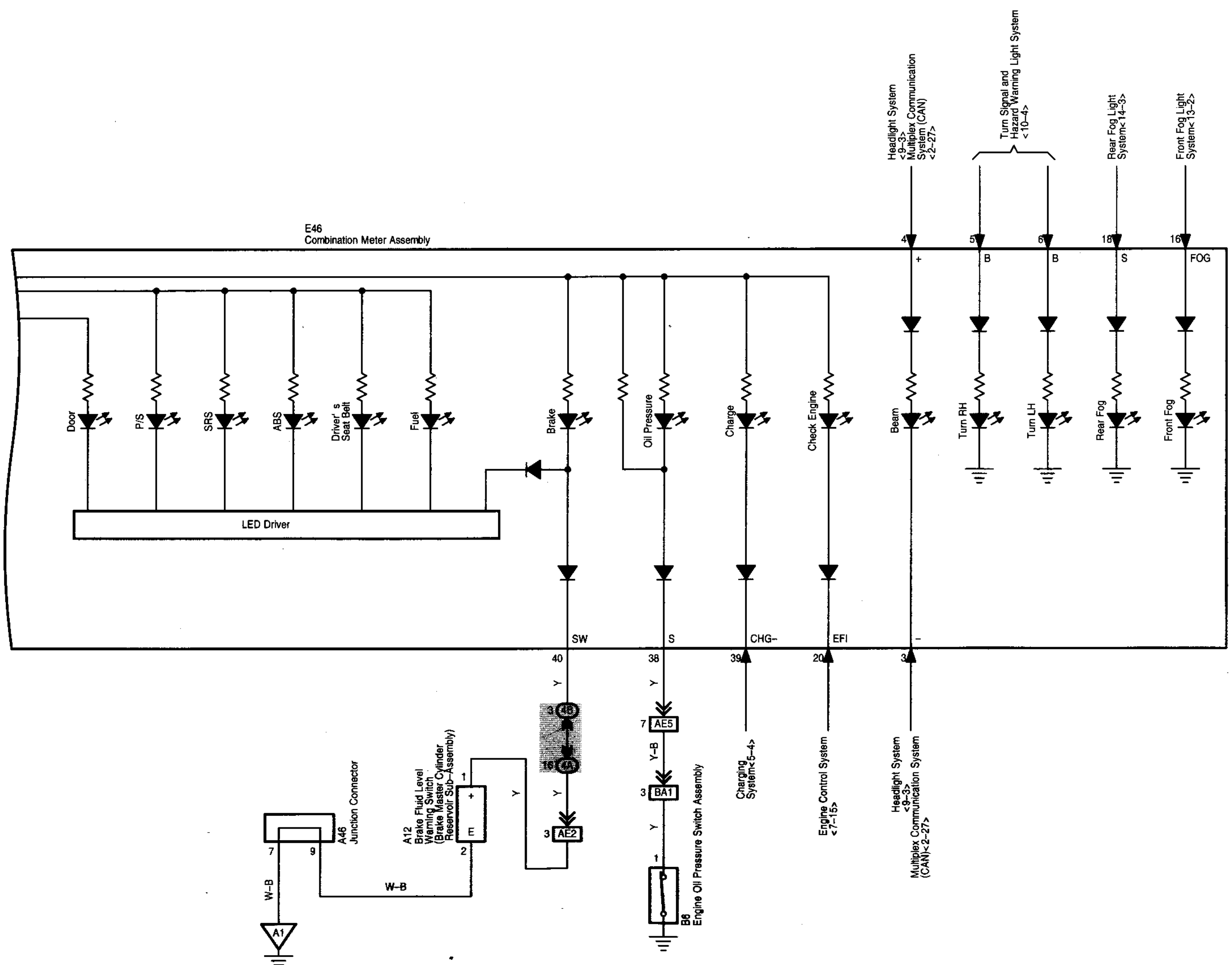
32 COROLLA

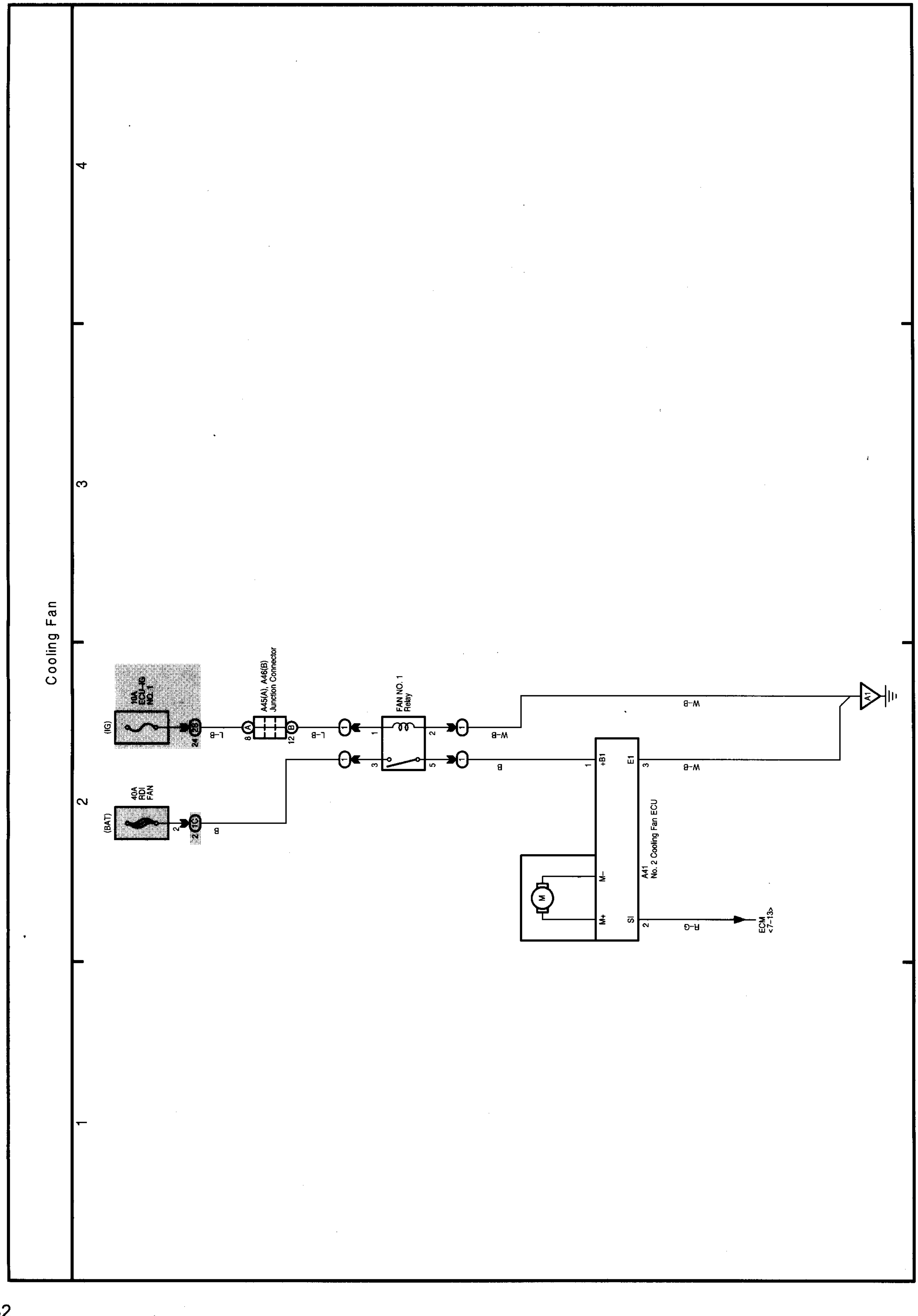
(Cont. next page)



## Combination Meter (Except Optitron Meter)

5 | 6 | 7 | 8

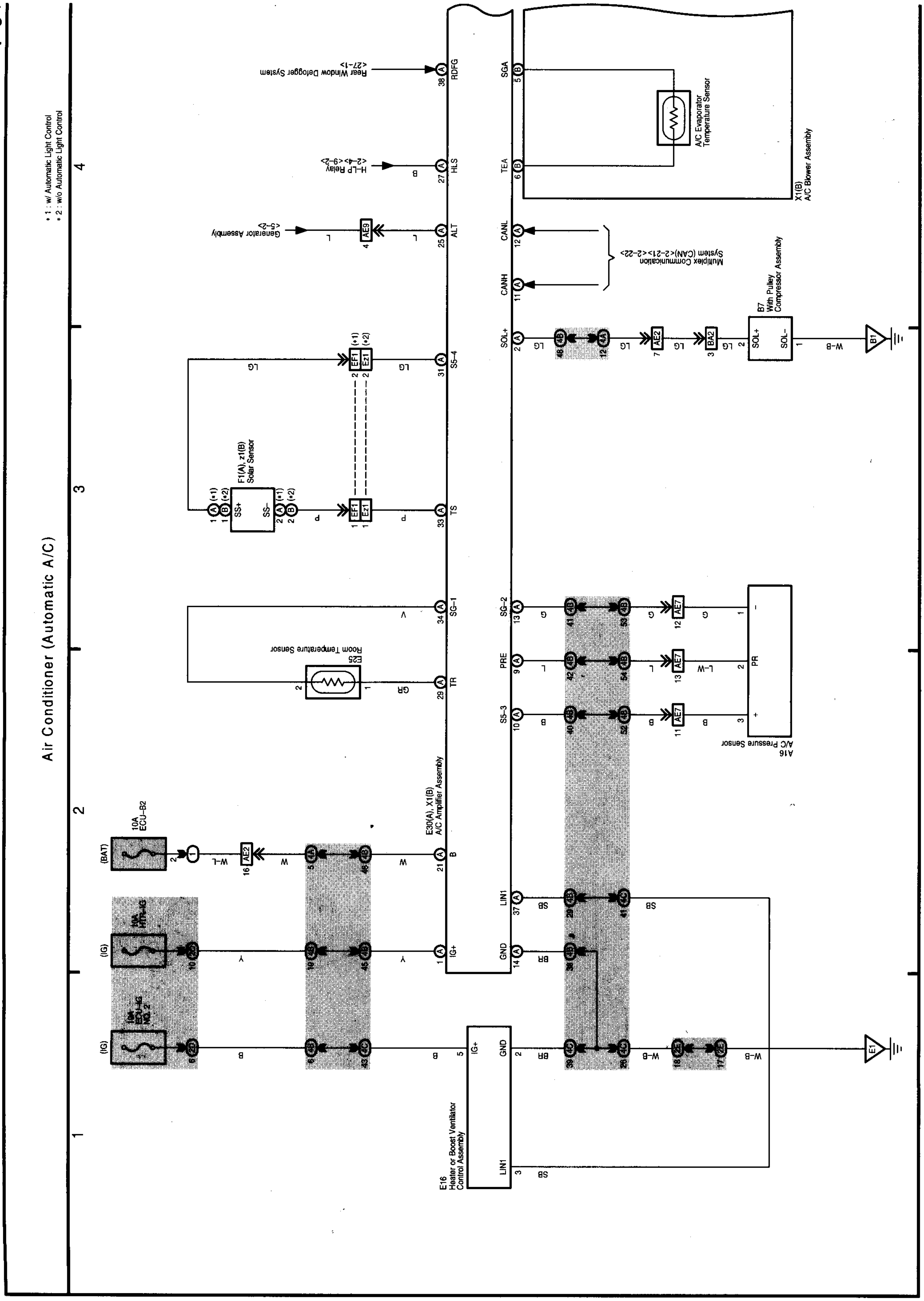




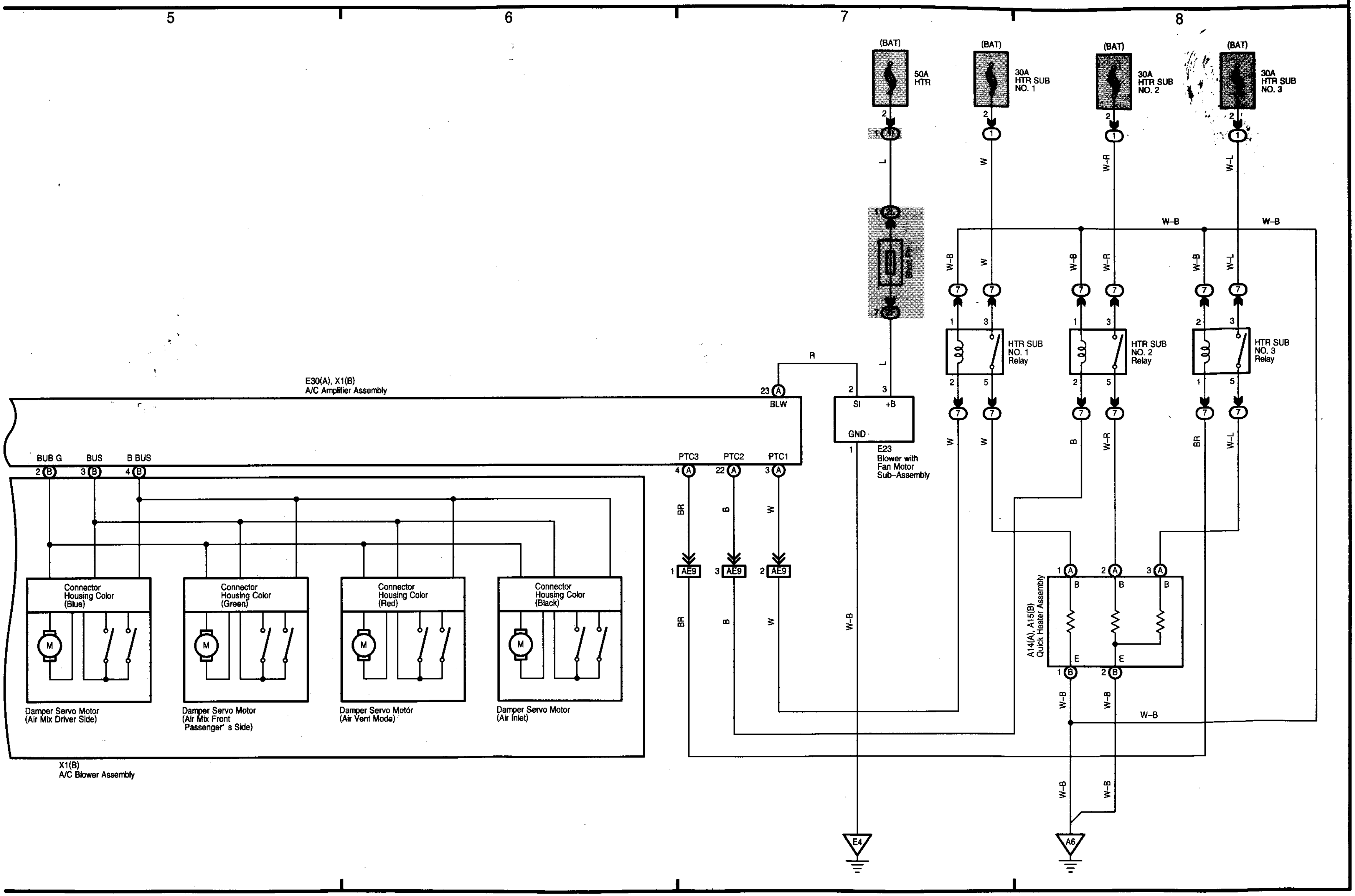
Cooling Fan
4
3
2
1
(IG)
10A
ECU-IG
NO.1
24
2B
L-B
8
A
A45(A), A46(B)
Junction Connector
12
B
FAN NO. 1
Relay
1
2
3
5
W-B
B
+B1
E1
A41
No. 2 Cooling Fan ECU
M–
M+
SI
R-G
ECM
<7-13>
(BAT)
40A
RDI
FAN
2
1C
A1

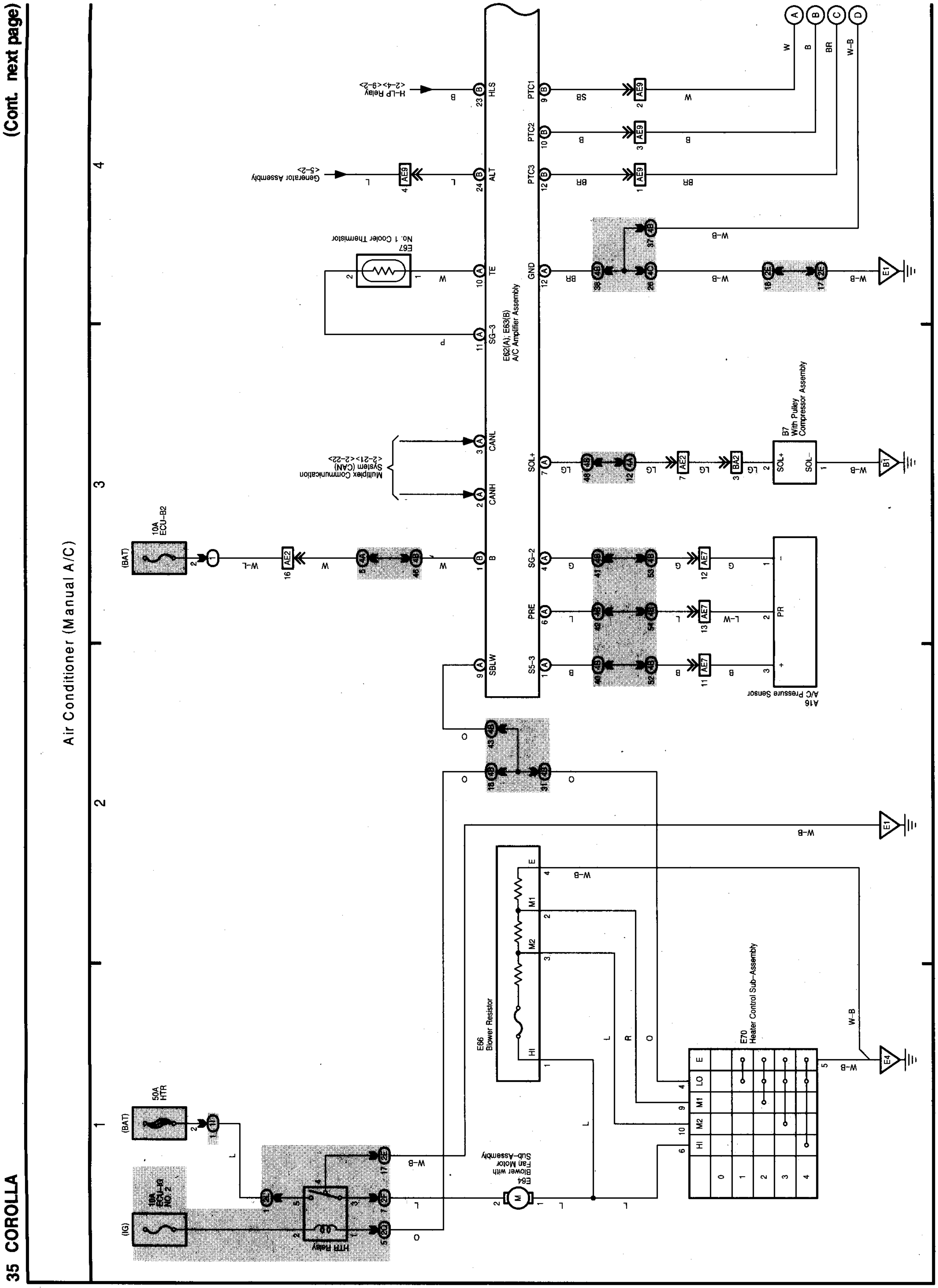
Air Conditioner (Automatic A/C)

(Cont. next page)



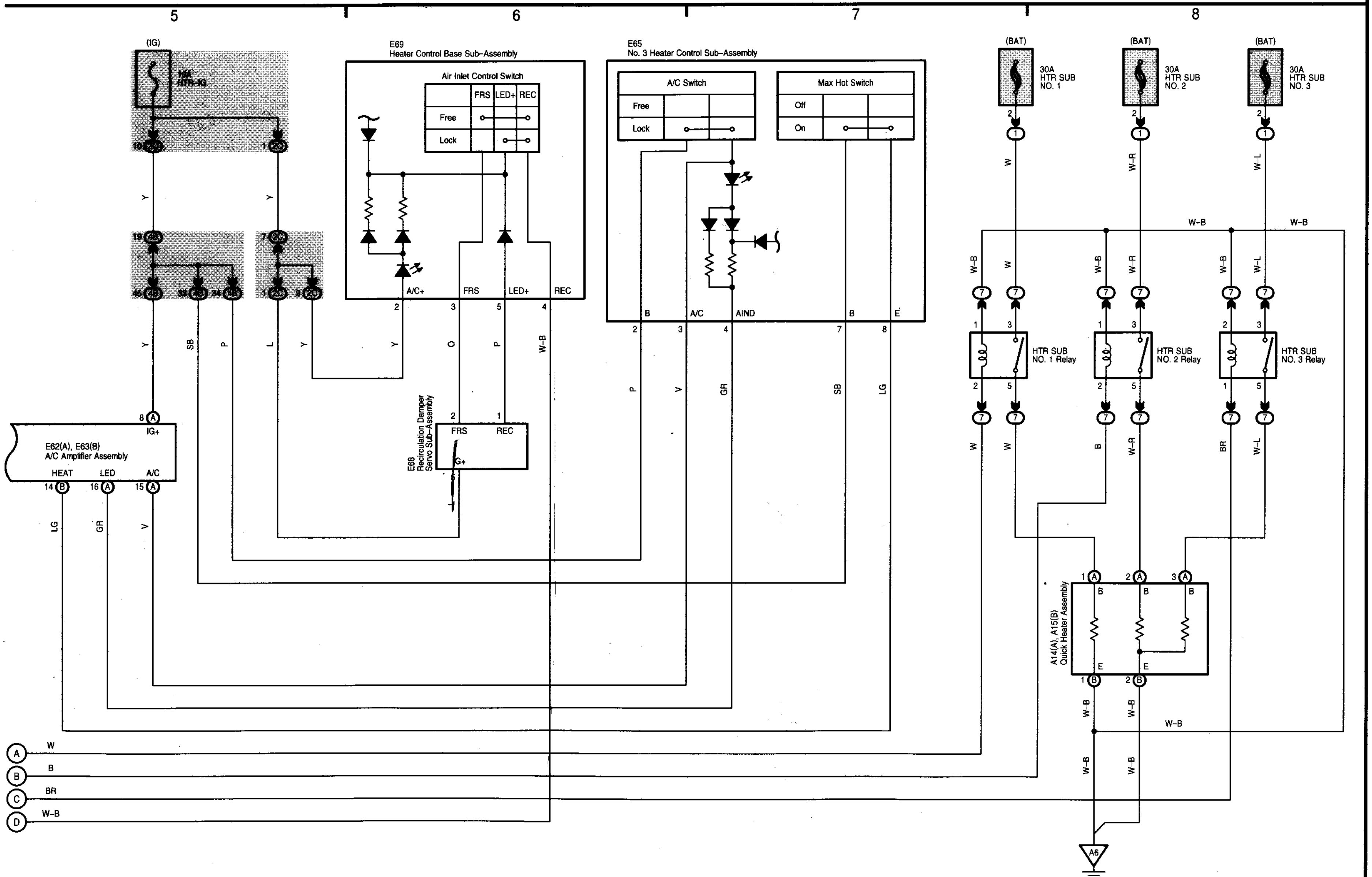
Air Conditioner (Automatic A/C)





35 COROLLA
Air Conditioner (Manual A/C)
(Cont. next page)
E62(A), E63(B)
A/C Amplifier Assembly
E67
No. 1 Cooler Thermistor
H–LP Relay
Generator Assembly
Multiplex Communication System (CAN)
B7
Compressor Assembly With Pulley
A16
A/C Pressure Sensor
E66
Blower Resistor
E70
Heater Control Sub–Assembly
E64
Blower with Fan Motor Sub–Assembly
HTR Relay
10A ECU–B2
50A HTR
10A ECU–IG NO. 2

## Air Conditioner (Manual A/C)



TOYOTA
QUALITY SERVICE

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