

# YARIS VERSO / ECHO VERSO ELECTRICAL WIRING DIAGRAM

(English)	Section No.	Page
INTRODUCTION .....	A	4
HOW TO USE THIS MANUAL .....	B	5
TROUBLESHOOTING .....	C	14
ABBREVIATIONS .....	D	19
GLOSSARY OF TERMS AND SYMBOLS .....	E	20
RELAY LOCATIONS .....	F	76
ELECTRICAL WIRING ROUTING .....	G	84
SYSTEM CIRCUITS .....	H	112
GROUND POINT .....	I	272
POWER SOURCE (Current Flow Chart) .....	J	284
CONNECTOR LIST .....	K	290
PART NUMBER OF CONNECTORS .....	M	308
OVERALL ELECTRICAL WIRING DIAGRAM .....	N	312

English  
Français

## **SCHEMA DE CABLAGE ELECTRIQUE DE LA YARIS VERSO / ECHO VERSO**

(Français)	N° de section	Page
INTRODUCTION .....	A	22
COMMENT UTILISER CE MANUEL .....	B	23
DEPANNAGE .....	C	32
ABREVIATIONS .....	D	37
GLOSSAIRE DES TERMES ET SYMBOLES .....	E	38
EMPLACEMENTS DES RELAIS .....	F	76
ACHEMINEMENT DES FILS ELECTRIQUES .....	G	84
CIRCUITS DU SYSTEME .....	H	114
POINT DE MISE A LA TERRE .....	I	272
SOURCE D'ALIMENTATION (Schéma du Courant) .....	J	284
LISTE DE CONNECTEUR .....	K	290
INFORMATIONS SUR LE CONNECTEUR .....	L	296
REFERENCE DES CONNECTEURS .....	M	308
SCHEMA GENERAL DE CABLAGE ELECTRIQUE .....	N	314

# A INTRODUCTION

This manual consists of the following 14 sections:

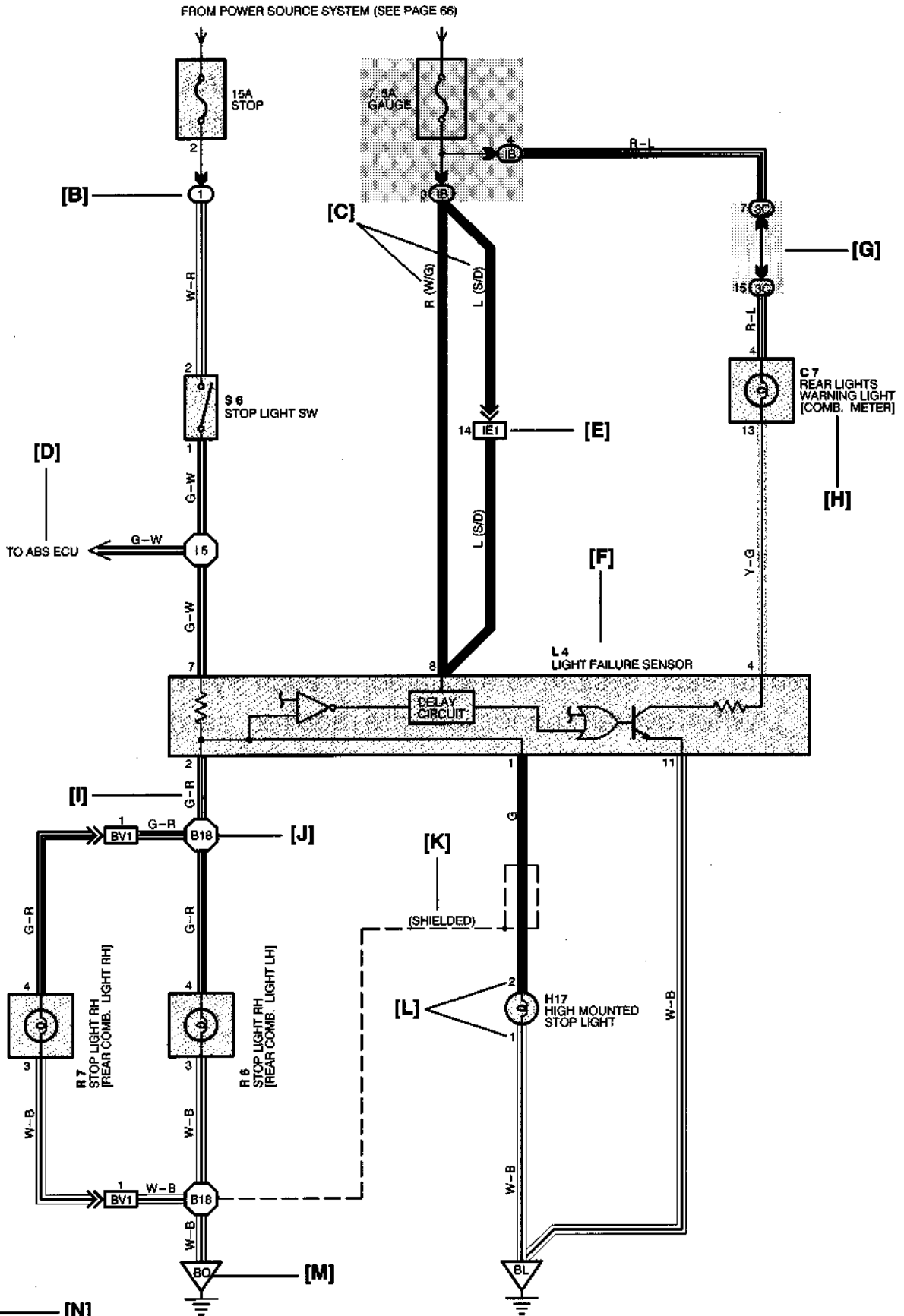
No.	Section	Description
A	INDEX	Index of the contents of this manual.
	INTRODUCTION	Brief explanation of each section.
B	HOW TO USE THIS MANUAL	Instructions on how to use this manual.
C	TROUBLE-SHOOTING	Describes the basic inspection procedures for electrical circuits.
D	ABBREVIATIONS	Defines the abbreviations used in this manual.
E	GLOSSARY OF TERMS AND SYMBOLS	Defines the symbols and functions of major parts.
F	RELAY LOCATIONS	Shows position of the Electronic Control Unit, Relays, Relay Block, etc. This section is closely related to the system circuit.
G	ELECTRICAL WIRING ROUTING	Describes position of Parts Connectors, Splice points, Ground points, etc. This section is closely related to the system circuit.
H	INDEX	Index of the system circuits.
	SYSTEM CIRCUITS	Electrical circuits of each system are shown from the power supply through ground points. Wiring connections and their positions are shown and classified by code according to the connection method. (Refer to the section, "How to use this manual"). The "System Outline" and "Service Hints" useful for troubleshooting are also contained in this section.
I	GROUND POINT	Shows ground positions of all parts described in this manual.
J	POWER SOURCE (Current Flow Chart)	Describes power distribution from the power supply to various electrical loads.
K	CONNECTOR LIST	Describes the form of the connectors for the parts appeared in this book. This section is closely related to the system circuit.
L	CONNECTOR INFORMATION	Indicates the reference page (See Page) showing the part name corresponding to the part number, and the installation position of the part in the vehicle. (For French, Spanish, German manuals only)
M	PART NUMBER OF CONNECTORS	Indicates the part number of the connectors used in this manual.
N	OVERALL ELECTRICAL WIRING DIAGRAM	Provides circuit diagrams showing the circuit connections.

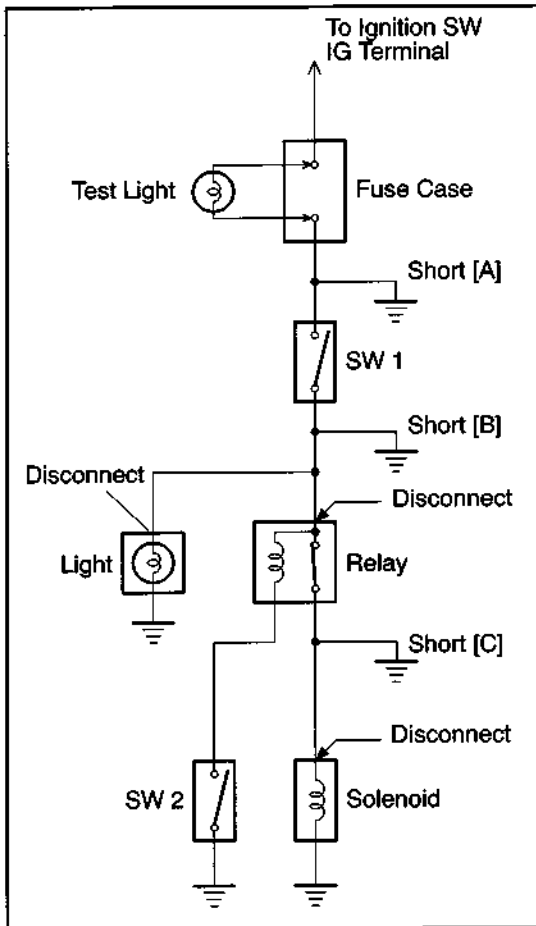
# B HOW TO USE THIS MANUAL

English

\* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

[A]  
STOP LIGHT





## FINDING A SHORT CIRCUIT

- Remove the blown fuse and disconnect all loads of the fuse.
- Connect a test light in place of the fuse.
- Establish conditions in which the test light comes on.

Example:

- [A] - Ignition SW on
- [B] - Ignition SW and SW 1 on
- [C] - Ignition SW, SW 1 and Relay on (Connect the Relay) and SW 2 off (or Disconnect SW 2)

- Disconnect and reconnect the connectors while watching the test light.  
The short lies between the connector where the test light stays lit and the connector where the light goes out.
- Find the exact location of the short by lightly shaking the problem wire along the body.

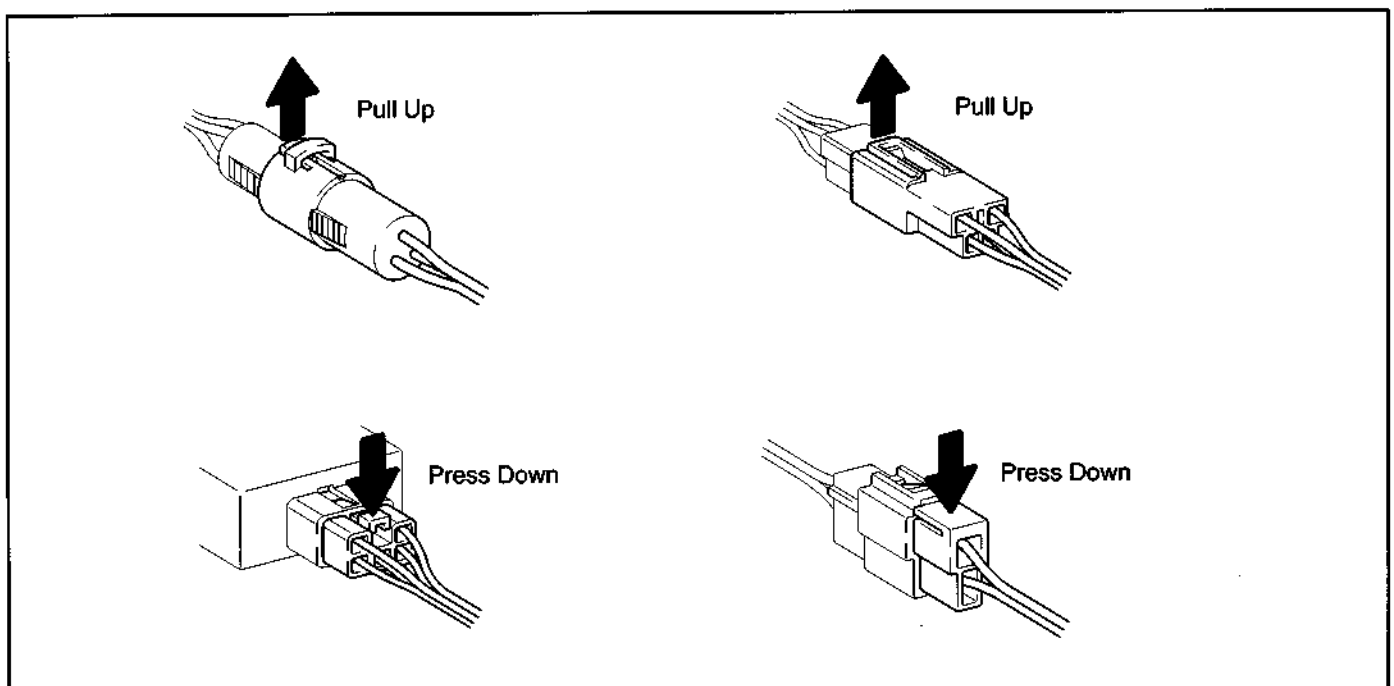
## CAUTION:

- Do not open the cover or the case of the ECU unless absolutely necessary. (If the IC terminals are touched, the IC may be destroyed by static electricity.)
- When replacing the internal mechanism (ECU part) of the digital meter, be careful that no part of your body or clothing comes in contact with the terminals of leads from the IC, etc. of the replacement part (spare part).

## DISCONNECTION OF MALE AND FEMALE CONNECTORS

To pull apart the connectors, pull on the connector itself, not the wire harness.

**HINT:** Check to see what kind of connector you are disconnecting before pulling apart.



## L INFORMATIONS SUR LE CONNECTEUR

Code	Voire page	Désignation des pièces	Code	Voire page	Désignation des pièces
A 1	20 (LHD 4A-FE)	Moteur de ventilateur de condenseur de A/C	D 4	24 (LHD)	Diode (O/D)
	22 (LHD 4E-FE)			34 (RHD)	
	30 (RHD 4A-FE)		D 5	24 (LHD)	Récepteur de commande de porte
	32 (RHD 4E-FE)			34 (RHD)	
A 2	20 (LHD 4A-FE)	Accouplement magnétique de A/C	D 6	34 (RHD)	Relais de commande de condamnation de porte
	30 (RHD 4A-FE)				
A 3	20 (LHD 4A-FE)	Accouplement magnétique de A/C et capteur de blocage	D 7	24 (LHD)	Commande de condamnation de porte
	22 (LHD 4E-FE)			34 (RHD)	
	[A] 32 (RHD 4E-FE)		[C]	D 8	28 (LHD S/D)
A 4	20 (LHD 4A-FE)	Triple pressostat de A/C (double pressostat et pressostat simple de A/C)	28 (LHD W/G)		
	22 (LHD 4E-FE)		38 (RHD S/D)		
			38 (RHD W/G)		

[A] : Code des pièces

[B] : Voire page

Pages à voir concernant le circuit de système, montrant l'emplacement de la pièce sur le véhicule.

[C] : Désignation des pièces

## M PART NUMBER OF CONNECTORS

Code	Part Name	Part Number	Code	Part Name	Part Number
A 1	A/C Ambient Temp. Sensor	90980-11070	D 4	Diode (Door Courtesy Light)	90980-11608
A 2	A/C Condenser Fan Motor	90980-11237	D 5	Diode (Key Off Operation)	90980-10962
A 3	A/C Condenser Fan Relay	90980-10940	D 6	Diode (Luggage Compartment Light)	90980-11608
A 4	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	90980-10943	D 7	Door Lock Control Relay	90980-10848
	[A] A/T Oil Temp. Sensor [B]	909 [C] 413	D 8	Door Courtesy Light LH	90980-11148
A 6	ABS Actuator	90980-11151	D 9	Door Courtesy Light RH	
A 7	ABS Actuator	90980-11009	D10	Door Courtesy SW LH	90980-11097
A 8	ABS Speed Sensor Front LH	90980-10941	D11	Door Courtesy SW RH	
A 9	ABS Speed Sensor Front RH	90980-11002	D12	Door Courtesy SW Front LH	90980-11156
A10	Airbag Sensor Front LH	90980-11856	D13	Door Courtesy SW Front RH	
A11	Airbag Sensor Front RH		D14	Door Courtesy SW Rear LH	
A12		90980-11194	D15	Door Courtesy SW Rear RH	
			D16	Door Unlock SW LH	90980-11170


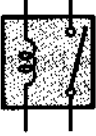







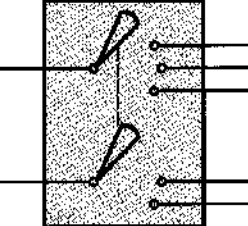







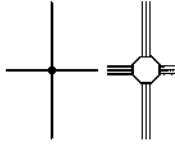


[A] : Code des pièces

[B] : Désignation des pièces

[C] : Référence

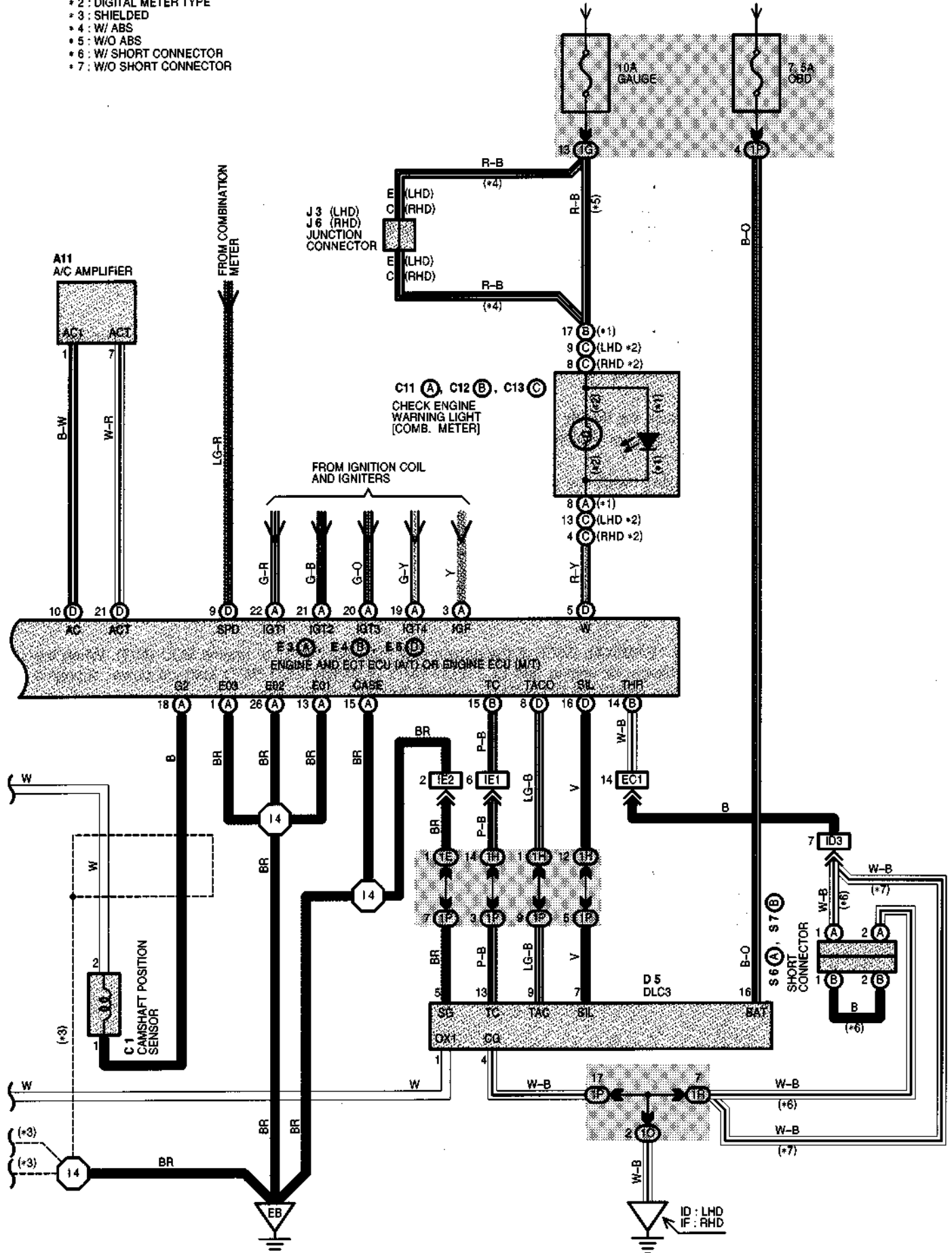
Références TOYOTA.

Toutes les références du connecteur ne sont pas définies pour la fourniture. Pour passer une commande d'un connecteur ou d'une borne avec fil, prière de vérifier préalablement si cette pièce est bien disponible en se reportant à "Parts Catalog News" (publié par le Département de la Gestion de l'Ingénierie).

<p style="text-align: center;"><b>RELAIS</b></p>  <p><b>1. GESCHLOSSENER KONTAKT IN RUHESTELLUNG.</b></p>  <p><b>2. UNTERBROCHENER KONTAKT IN RUHESTELLUNG</b></p> <p>Grundsätzlich ein elektrisch betätigter Schalter dessen Kontakt in Ruhestellung entweder geschlossen (1) oder unterbrochen (2) ist. Ein durch die kleine Spule fließender Strom erzeugt zum Betätigen des Schalters ein Magnetfeld.</p>	<p style="text-align: center;"><b>LAUTSPRECHER</b></p>  <p>Erzeugt akustische Signale durch den Stromfluß.</p>
<p style="text-align: center;"><b>ZWEIWEGRELAIS</b></p>  <p>Ein Relais, das den Stromfluß über zwei verschiedene Kontakte leitet.</p>	<p style="text-align: center;"><b>SCHALTER</b></p>  <p><b>1. GESCHLOSSENER KONTAKT IN RUHESTELLUNG</b></p>  <p><b>2. UNTERBROCHENER KONTAKT IN RUHESTELLUNG</b></p> <p>Steuert den Stromfluß im Schaltkreis durch Schließen (1) bzw. Unterbrechen des Kontakts.</p>
<p style="text-align: center;"><b>WIDERSTAND</b></p>  <p>Ein fester widerstand in einem Schaltkreis zur Herabsetzung der Spannung.</p>	<p style="text-align: center;"><b>ZWEIWEGSCHALTER</b></p>  <p>Ein Schalter der den Stromfluß zu zwei verschiedenen Kontakten steuert.</p>
<p style="text-align: center;"><b>MEHRFACHWIDERSTAND</b></p>  <p>Ein Widerstand mit zwei oder mehr festen Widerstandswerten.</p>	<p style="text-align: center;"><b>ZÜNDSCHALTER</b></p>  <p>Ein durch den Zündschlüssel betätigten Schalter um den Primärzündschaltkreis ein- und auszuschalten.</p>
<p style="text-align: center;"><b>REGELWIDERSTAND ODER RHEOSTAT</b></p>  <p>Ein Widerstand mit veränderlichem Widerstandswert, auch Potentiometer oder Rheostat genannt.</p>	<p style="text-align: center;"><b>SCHEIBENWISCHER-ANSCHLAGSSCHALTER</b></p>  <p>Stellt die Scheibenwischer nach dem Ausschalten automatisch in die Anschlagposition zurück.</p>
<p style="text-align: center;"><b>SENSOR (HEISSLEITER)</b></p>  <p>Ein Widerstand, dessen Widerstandswert sich abhängig von der Temperatur ändert.</p>	<p style="text-align: center;"><b>TRANSISTOR</b></p>   <p>Wird normalerweise in elektronischen Relais verwendet, um den Stromfluß, abhängig von der Basisspannung ein- oder auszuschalten.</p>
<p style="text-align: center;"><b>MAGNETSENSOR</b></p>  <p>(Reedschaltertyp)</p> <p>Ein Schalter wird zur Betätigung anderer Komponenten durch Magnetimpulse ein- bzw. ausgeschaltet.</p>	<p style="text-align: center;"><b>KABEL</b></p>  <p><b>(1) NICHT VERBUNDEN</b></p>  <p><b>(2) VERZWEIGT</b></p> <p>Kabel sind im Schema immer mit geraden Linien bezeichnet. Wenn an der Kreuzungsstelle kein Punkt vorhanden ist, sind die Kabel nicht verbunden (1), bei einem Punkt (0) sind die Kabel an der Kreuzungsstelle verzweigt (2).</p>
<p style="text-align: center;"><b>KURZSCHLUSSSTIFT</b></p>  <p>Für eine elektrische Verbindung in einem Anschlußkasten verwendet.</p>	<p style="text-align: center;"><b>SOLENOID</b></p>  <p>Eine elektromagnetische Spule die zur Betätigung eines Stiftes usw. durch den Stromfluß ein Magnetfeld erzeugt.</p>

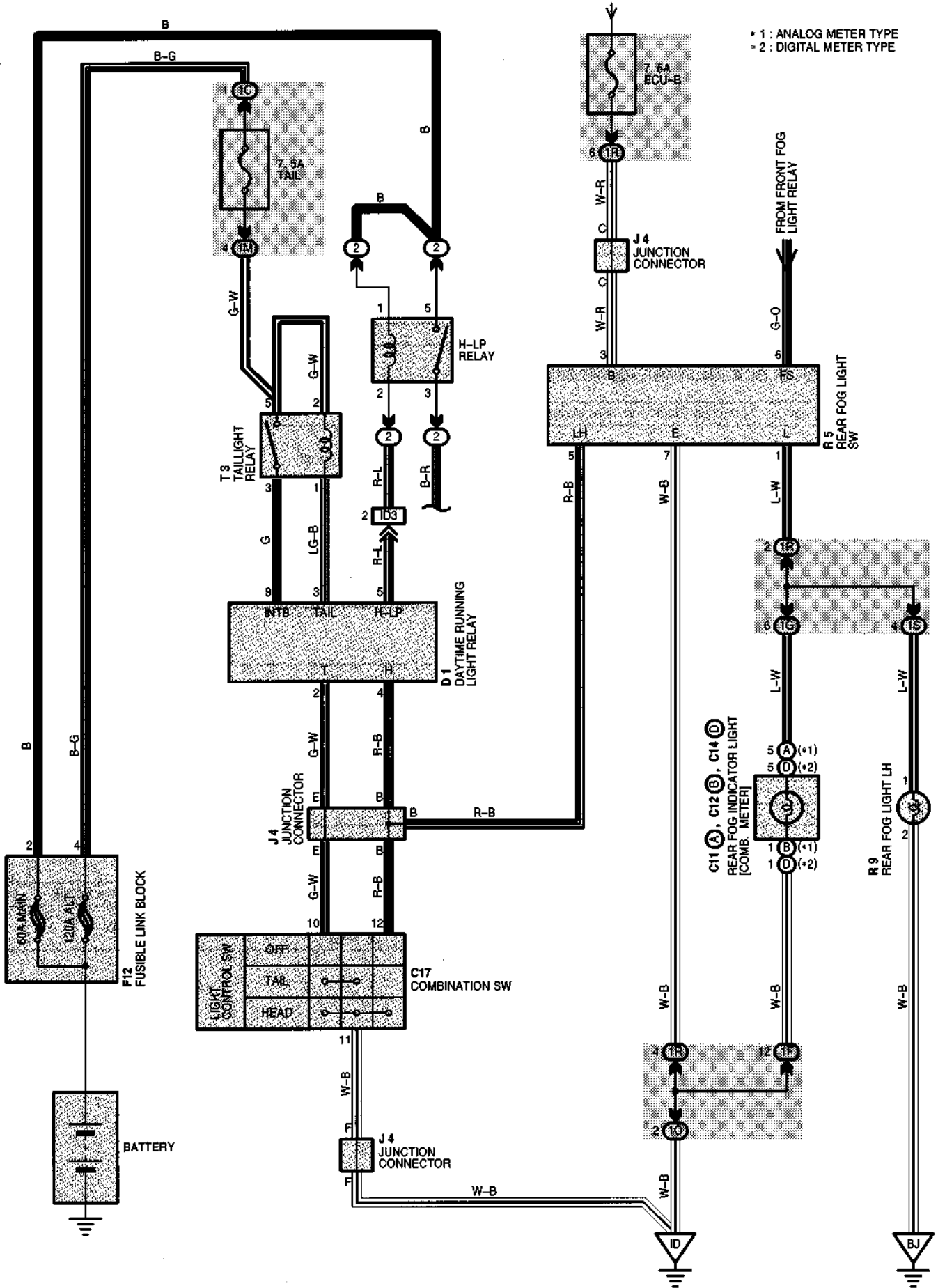
- \* 1 : ANALOG METER TYPE
- \* 2 : DIGITAL METER TYPE
- \* 3 : SHIELDED
- \* 4 : W/ ABS
- \* 5 : W/O ABS
- \* 6 : W/ SHORT CONNECTOR
- \* 7 : W/O SHORT CONNECTOR

FROM POWER SOURCE SYSTEM (SEE PAGE 120, 124)



# REAR FOG LIGHT (w/ DAYTIME RUNNING LIGHT)

FROM POWER SOURCE SYSTEM (SEE PAGE 120)





**SERVICE HINTS****R5 REAR FOG LIGHT SW**

- 1-GROUND : Approx. 12 volts with the light control SW at **HEAD** or **TAIL** position and rear fog light SW at **ON** position
- 3-GROUND : Always approx. 12 volts
- 7-GROUND : Always continuity
- 5-GROUND : Continuity with the light control SW at **HEAD** or **TAIL** position

**○ : PARTS LOCATION**

Code		See Page	Code	See Page	Code	See Page
C11	A	86 (LHD)	D1	86 (LHD)	R9	89 (LHD)
C12	B	86 (LHD)	F12	84 (LHD)	T3	87 (LHD)
C14	D	86 (LHD)	J4	87 (LHD)		
C17		86 (LHD)	R5	87 (LHD)		

**○ : RELAY BLOCKS**

Code	See Page	Relay Blocks (Relay Block Location)
2	79	Engine Room R/B No.2 (Engine Compartment Left)

**○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR**

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	80	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1F	81	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1M		
1O		
1R		
1S	80	Floor Wire and Instrument Panel J/B (Lower Finish Panel)

**□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID3	100 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of Instrument Panel)

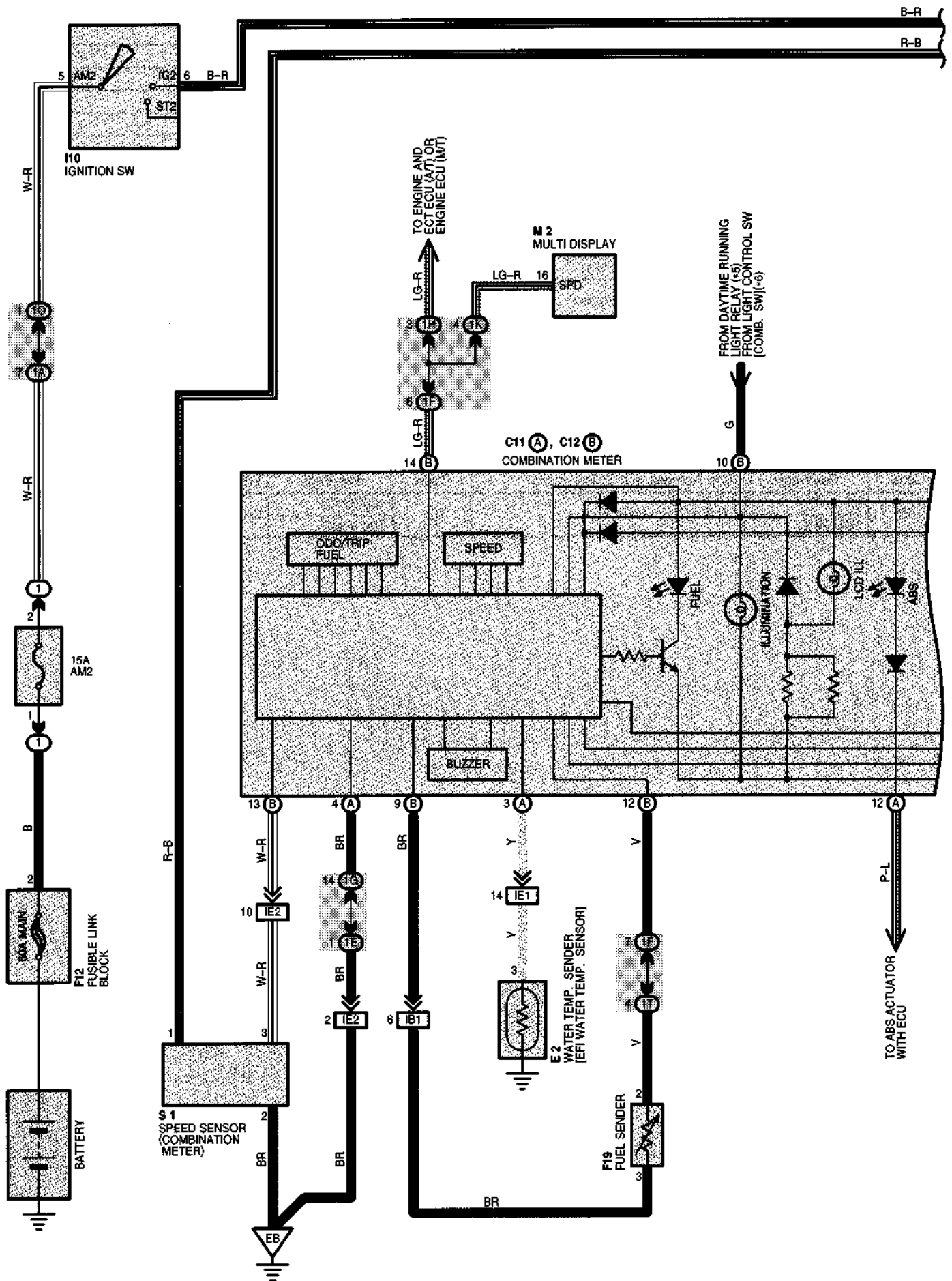
**▽ : GROUND POINTS**

Code	See Page	Ground Points Location
ID	98 (LHD)	Left Kick Panel
BJ	102 (LHD)	Right Rear Side Quarter Panel



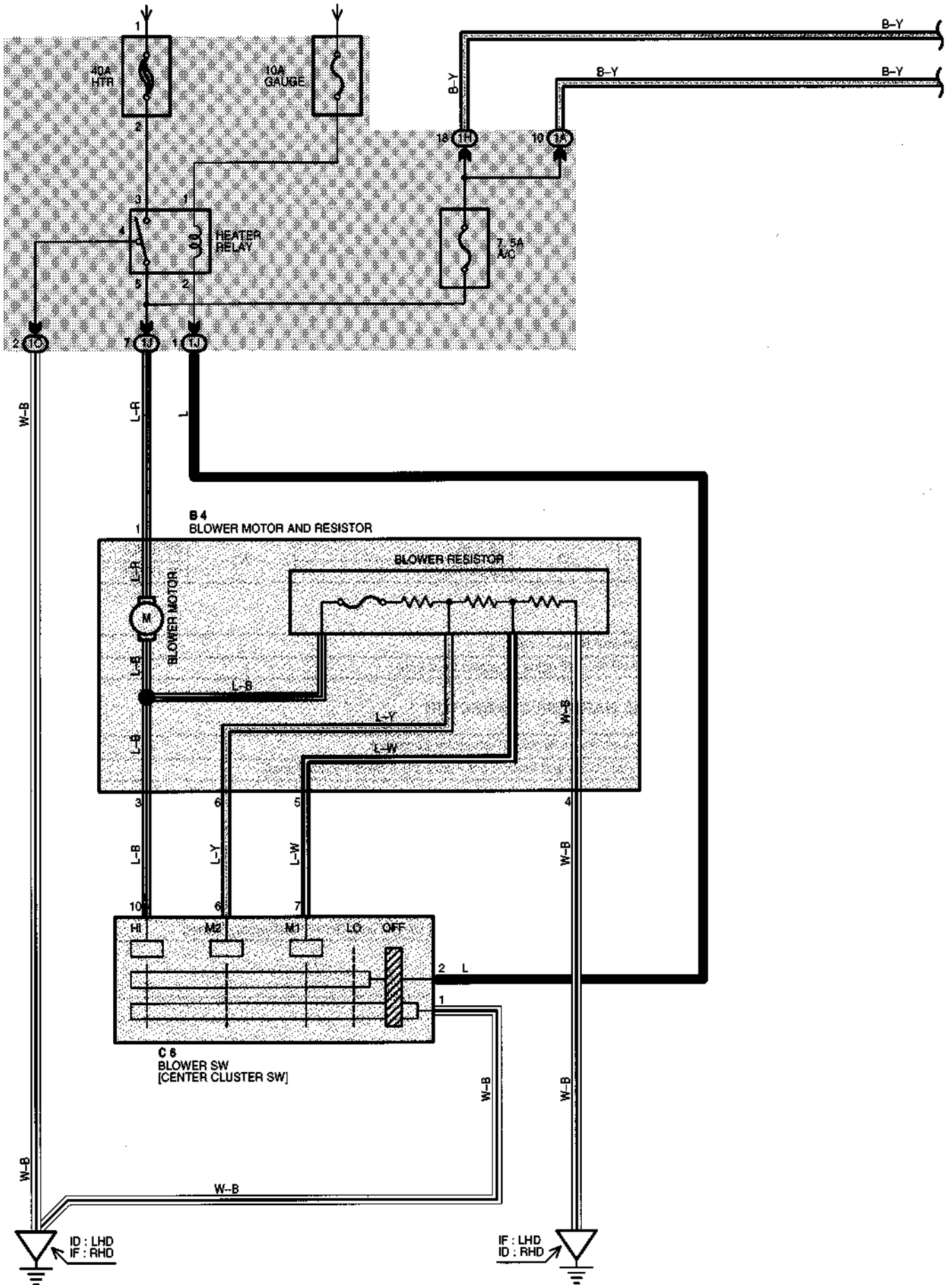


# COMBINATION METER (ANALOG TYPE)



# AIR CONDITIONER

FROM POWER SOURCE SYSTEM (SEE PAGE 120, 124)



Fuse		System	Page
120A	ALT	Charging	132
		Headlight (w/o Daytime Running Light)	148
		Headlight Beam Level Control (w/o Daytime Running Light)	152
		Interior Light	176
		Power Outlet	228
		Rear Fog Light (w/ Daytime Running Light)	156
		Rear Fog Light (w/o Daytime Running Light)	158
		Taillight and Illumination (w/ Daytime Running Light)	160
		Taillight and Illumination (w/o Daytime Running Light)	164

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

# N OVERALL ELECTRICAL WIRING DIAGRAM

