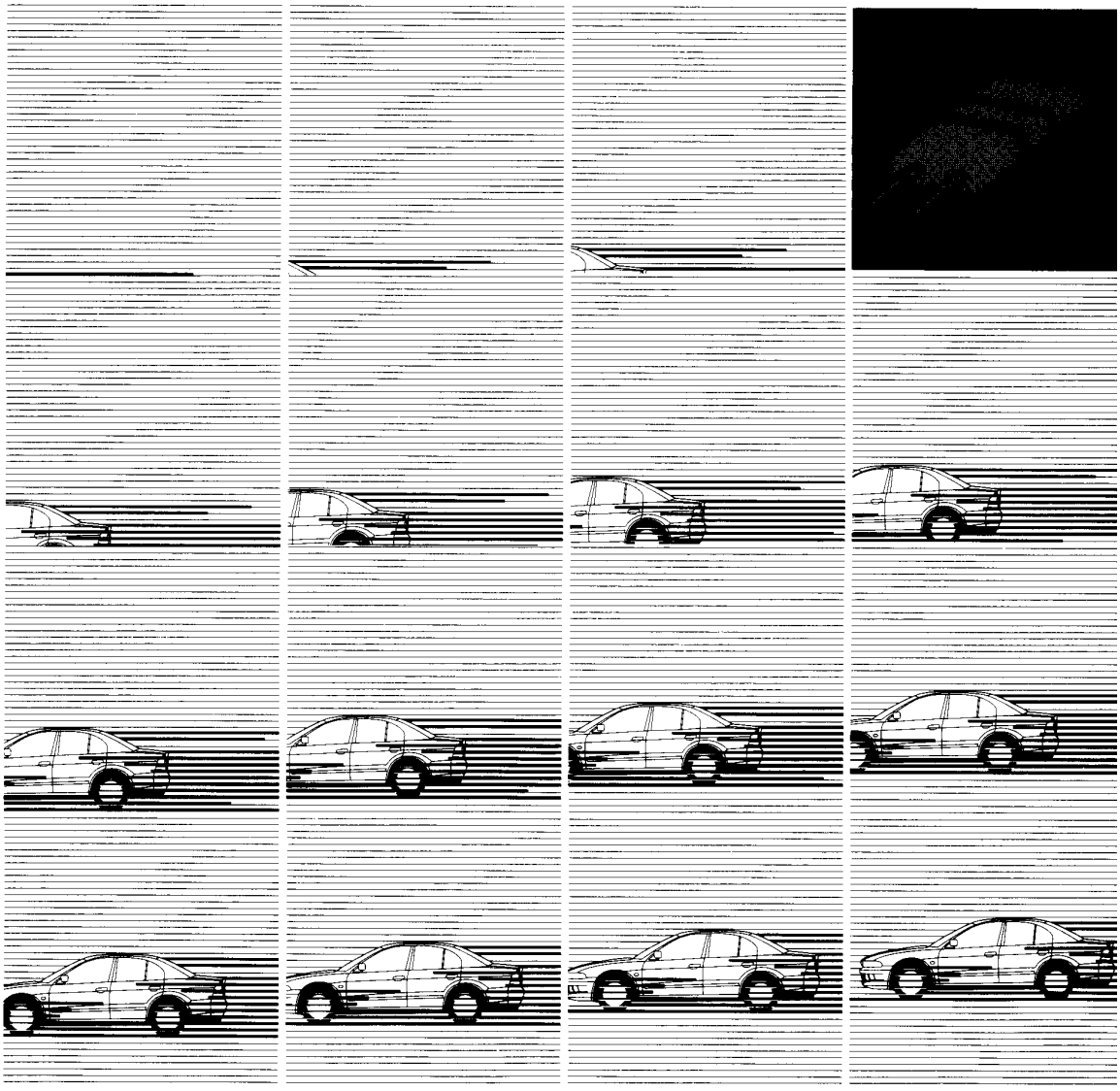
MITSUBISHI MOTORS

Workshop Manual

electrical wiring

GALANT '98



Pub. No. PHDE9608-A

HOW TO USE THIS MANUAL

CONTENTS

The preceding page contains GROUP INDEX that lists the group title and group number.

PAGE NUMBERS

All page numbers consist of two sets of digits separated by a dash. The digits preceding the dash identify the number of the group. The digits following the dash represent the consecutive page number within the group. The page number can be found on the top left or right of each page.

OUTLINE OF CHANGE

CONTENTS

CIRCUIT DIAGRAM 2

TABLE OF CIRCUIT DIAGRAMS 3

CIRCUIT DIAGRAM

Circuit diagrams			Description of change
Main title	Sub title	Reference page	
ENGINE CONTROL SYSTEM	4D68 <L.H. drive vehicles>	4-2	The wiring harness connection, which connects between engine-ECU and diagnosis connector, has been changed.
THEFT-ALARM SYSTEM	L.H. drive vehicles	4-10	The theft-alarm system indicator lamp has been abolished.
	R.H. drive vehicles	4-18	

TABLE OF CIRCUIT DIAGRAMS

This table of circuit diagrams indicates those circuits in which changes and/or additions, etc. have been made; the circuits are here listed in the sequence in which they are presented in the wiring diagrams. Please use this table for reference when following maintenance or repair procedures.

NOTE
(1) A (Added) : This circuit has been newly added in this manual.
(2) R (Revised) : This circuit has been changed, and is included in this manual.
(3) D (Deleted) : This circuit has been deleted in this manual.
(4) I (Included) : This circuit is included in this manual.
(5) N (Not included) : This circuit is not included in this manual.
(6) P (Previous manual) : This circuit is not included in this manual, because it has not been changed. Refer to this previous manual.

Main circuit	Circuit classifications	Pub. No. PHDE9608 (Basic)	Pub. No. PHDE9608-A (Supplement)
JUNCTION BLOCK (J/B)	–	I	**P**
JOINT CONNECTOR (J/C)	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
CENTRALIZED JUNCTION	–	I	**P**
POWER DISTRIBUTION SYSTEM	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
STARTING SYSTEM	Petrol-powered vehicles	I	**P**
	Diesel-powered vehicles	I	**P**
IGNITION SYSTEM	4G6	I	**P**
	6A1	I	**P**
GLOW SYSTEM	–	I	**P**
CHARGING SYSTEM	4G6	I	**P**
	6A1	I	**P**
	4D68	I	**P**
ENGINE CONTROL SYSTEM	4G6-SOHC-MPI <L.H. drive vehicles>	I	**P**
	4G6-SOHC-MPI <R.H. drive vehicles>	I	**P**
	6A1-SOHC-MPI <L.H. drive vehicles with TCL>	I	**P**
	6A1-SOHC-MPI <L.H. drive vehicles without TCL>	I	**P**
	6A1-SOHC-MPI <R.H. drive vehicles with TCL>	I	**P**
	6A1-SOHC-MPI <R.H. drive vehicles without TCL>	I	**P**
	4D68 <L.H. drive vehicles>	I	R
	4D68 <R.H. drive vehicles>	I	**P**

Main circuit	Circuit classifications	Pub. No. PHDE9608 (Basic)	Pub. No. PHDE9608-A (Supplement)
COOLING SYSTEM	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
INVECS-II 4A/T	L.H. drive vehicles with TCL	I	**P**
	L.H. drive vehicles without TCL	I	**P**
	4G6 <R.H. drive vehicles>	I	**P**
	6A1 <R.H. drive vehicles with TCL>	I	**P**
	6A1 <R.H. drive vehicles without TCL>	I	**P**
HEADLAMP	L.H. drive vehicles with DRL	I	**P**
	L.H. drive vehicles without DRL	I	**P**
	R.H. drive vehicles	I	**P**
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP	L.H. drive vehicles with DRL <Sedan>	I	**P**
	L.H. drive vehicles with DRL <Wagon>	I	**P**
	L.H. drive vehicles without DRL <Sedan>	I	**P**
	L.H. drive vehicles without DRL <Wagon>	I	**P**
	R.H. drive vehicles <Sedan>	I	**P**
	R.H. drive vehicles <Wagon>	I	**P**
FRONT FOG LAMP	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
REAR FOG LAMP	L.H. drive vehicles with DRL	I	**P**
	L.H. drive vehicles without DRL	I	**P**
	R.H. drive vehicles	I	**P**
ROOM LAMP, PERSONAL LAMP AND LUGGAGE COMPARTMENT LAMP	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
CONSOLE ILLUMINATION LAMP AND GLOVE BOX LAMP	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
DOOR LAMP	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
IGNITION KEY CYLINDER ILLUMINATION LAMP	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
HEADLAMP LEVELING SYSTEM	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**

Main circuit	Circuit classifications	Pub. No. PHDE9608 (Basic)	Pub. No. PHDE9608-A (Supplement)
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
STOP LAMP	Sedan <L.H. drive vehicles>	I	**P**
	Sedan <R.H. drive vehicles>	I	**P**
	Wagon <L.H. drive vehicles>	I	**P**
	Wagon <R.H. drive vehicles>	I	**P**
BACK-UP LAMP	Sedan <M/T (L.H. drive vehicles)>	I	**P**
	Sedan <M/T (R.H. drive vehicles)>	I	**P**
	Sedan <A/T (L.H. drive vehicles)>	I	**P**
	Sedan <A/T (R.H. drive vehicles)>	I	**P**
	Wagon <M/T (L.H. drive vehicles)>	I	**P**
	Wagon <M/T (R.H. drive vehicles)>	I	**P**
	Wagon <A/T (L.H. drive vehicles)>	I	**P**
	Wagon <A/T (R.H. drive vehicles)>	I	**P**
HORN	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
METER AND GAUGE	L.H. drive petrol-powered vehicles	I	**P**
	R.H. drive petrol-powered vehicles	I	**P**
	L.H. drive diesel-powered vehicles	I	**P**
	R.H. drive diesel-powered vehicles	I	**P**
BRAKE WARNING LAMP	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
OIL PRESSURE WARNING LAMP	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
FUEL WARNING LAMP	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
FUEL FILTER WARNING LAMP	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
ENGINE OIL LEVEL WARNING LAMP	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**

Main circuit	Circuit classifications	Pub. No. PHDE9608 (Basic)	Pub. No. PHDE9608-A (Supplement)
POWER WINDOWS	L.H. drive vehicles with ETACS	I	**P**
	L.H. drive vehicles without ETACS	I	**P**
	R.H. drive vehicles	I	**P**
CENTRAL DOOR LOCKING SYSTEM	L.H. drive vehicles with keyless entry system <with theft-alarm system>	I	**P**
	L.H. drive vehicles with keyless entry system <without theft-alarm system>	I	**P**
	L.H. drive vehicles without keyless entry system <with theft-alarm system>	I	**P**
	L.H. drive vehicles without keyless entry system <without theft-alarm system>	I	**P**
	R.H. drive vehicles with keyless entry system <with theft-alarm system>	I	**P**
	R.H. drive vehicles with keyless entry system <without theft-alarm system>	I	**P**
	R.H. drive vehicles without keyless entry system <with theft-alarm system>	I	**P**
	R.H. drive vehicles without keyless entry system <without theft-alarm system>	I	**P**
MANUAL HEATER	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
MANUAL AIR CONDITIONER	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
AUTOMATIC AIR CONDITIONER	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
WINDSHIELD WIPER AND WASHER	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
REAR WIPER AND WASHER	Sedan <L.H. drive vehicles>	I	**P**
	Sedan <R.H. drive vehicles>	I	**P**
	Wagon <L.H. drive vehicles>	I	**P**
	Wagon <R.H. drive vehicles>	I	**P**
DEFOGGER	L.H. drive vehicles with manual heater	I	**P**
	R.H. drive vehicles with manual heater	I	**P**
	L.H. drive vehicles with automatic air conditioner	I	**P**
	R.H. drive vehicles with automatic air conditioner	I	**P**

Main circuit	Circuit classifications	Pub. No. PHDE9608 (Basic)	Pub. No. PHDE9608-A (Supplement)
REMOTE CONTROLLED MIRROR	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
HEADLAMP WASHER	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
RADIO AND TAPE PLAYER	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
CLOCK	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
CIGARETTE LIGHTER	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
ANTI-SKID BRAKING SYSTEM (ABS)	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
TRACTION CONTROL SYSTEM (TCL)	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
AUTO-CRUISE CONTROL SYSTEM	L.H. drive vehicles with TCL	I	**P**
	L.H. drive vehicles without TCL	I	**P**
	R.H. drive vehicles with TCL	I	**P**
	R.H. drive vehicles without TCL	I	**P**
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	L.H. drive vehicles with side air bag	I	**P**
	L.H. drive vehicles without side air bag	I	**P**
	R.H. drive vehicles with side air bag	I	**P**
	R.H. drive vehicles without side air bag	I	**P**
IMMOBILIZER SYSTEM	L.H. drive petrol-powered vehicles	I	**P**
	R.H. drive petrol-powered vehicles	I	**P**
	L.H. drive diesel-powered vehicles	I	**P**
	R.H. drive diesel-powered vehicles	I	**P**
THEFT-ALARM SYSTEM	L.H. drive vehicles	I	R
	R.H. drive vehicles	I	R
SUNROOF	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**

Main circuit	Circuit classifications	Pub. No. PHDE9608 (Basic)	Pub. No. PHDE9608-A (Supplement)
RHEOSTAT	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
POWER SEAT	–	I	**P**
HEATED SEAT	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**
LIGHTING MONITOR BUZZER	L.H. drive vehicles	I	**P**
	R.H. drive vehicles	I	**P**

HOW TO READ THE WIRING DIAGRAMS

CONTENTS

MODELS 1-2

MODELS

<SEDAN>

Model code		Engine model	Transmission model	Fuel supply system
EA2A	SNJEQL6	4G63-SOHC (1,997 mℓ)	F5M42 (2WD-5M/T)	MPI
	SNHEQL6			
	SRHEQL6		F4A42 (2WD-4A/T)	
EA5A	SNGEQL6	6A13-SOHC (2,497 mℓ)	F5M42 (2WD-5M/T)	MPI
	SRGEQL6		F4A42 (2WD-4A/T)	
EA6A	SNHFQL6	4D68-SOHC (1,998 mℓ)	F5M42 (2WD-5M/T)	Electronically controlled injection pump
EA2A	SNJEQL6C	4G63-SOHC (1,997 mℓ)	F5M42 (2WD-5M/T)	MPI
	SNHEQL6C			
	SRHEQL6C		F4A42 (2WD-4A/T)	
	SNJEDL6C		F5M42 (2WD-5M/T)	
	SNHEDL6C			
	SRHEDL6C		F4A42 (2WD-4A/T)	
EA5A	SNGEQL6C	6A13-SOHC (2,497 mℓ)	F5M42 (2WD-5M/T)	MPI
	SRGEQL6C		F4A42 (2WD-4A/T)	
	SNGEDL6C		F5M42 (2WD-5M/T)	
	SRGEDL6C		F4A42 (2WD-4A/T)	
EA6A	SNHFQL6C	4D68-SOHC (1,998 mℓ)	F5M42 (2WD-5M/T)	Electronically controlled injection pump
EA2A	SNHEQR6	4G63-SOHC (1,997 mℓ)	F4A42 (2WD-4A/T)	MPI
	SRHEQR6		F5M42 (2WD-5M/T)	
EA5A	SNGEQR6	6A13-SOHC (2,497 mℓ)	F5M42 (2WD-5M/T)	MPI
	SRGEQR6		F4A42 (2WD-4A/T)	
EA6A	SNHFQR6	4D68-SOHC (1,998 mℓ)	F5M42 (2WD-5M/T)	Electronically controlled injection pump

<WAGON>

Model code		Engine model	Transmission model	Fuel supply system
EA2W	LNJEQL6	4G63-SOHC (1,997 mℓ)	F5M42 (2WD-5M/T)	MPI
	LNHEQL6			
	LRHEQL6		F4A42 (2WD-4A/T)	
EA5W	LNGEQL6	6A13-SOHC (2,497 mℓ)	F5M42 (2WD-5M/T)	MPI
	LRGEQL6		F4A42 (2WD-4A/T)	
EA6W	LNHFQL6	4D68-SOHC (1,998 mℓ)	F5M42 (2WD-5M/T)	Electronically controlled injection pump
EA2W	LNJEQL6C	4G63-SOHC (1,997 mℓ)	F4A42 (2WD-4A/T)	MPI
	LNHEQL6C			
	LRHEQL6C		F5M42 (2WD-5M/T)	
	LNJEDL6C		F4A42 (2WD-4A/T)	
	LNHEDL6C			
	LRHEDL6C		F5M42 (2WD-5M/T)	
EA5W	LNGEQL6C	6A13-SOHC (2,497 mℓ)	F5M42 (2WD-5M/T)	MPI
	LRGEQL6C		F4A42 (2WD-4A/T)	
	LNGEDL6C		F5M42 (2WD-5M/T)	
	LRGEDL6C		F4A42 (2WD-4A/T)	
EA6W	LNHFQL6C	4D68-SOHC (1,998 mℓ)	F5M42 (2WD-5M/T)	Electronically controlled injection pump
EA2W	LNHEQR6	4G63-SOHC (1,997 mℓ)	F4A42 (2WD-4A/T)	MPI
	LRHEQR6		F5M42 (2WD-5M/T)	
EA5W	LNGEQR6	6A13-SOHC (2,497 mℓ)	F5M42 (2WD-5M/T)	MPI
	LRGEQR6		F4A42 (2WD-4A/T)	
EA6W	LNHFQR6	4D68-SOHC (1,998 mℓ)	F5M42 (2WD-5M/T)	Electronically controlled injection pump

CIRCUIT DIAGRAM

CONTENTS

ENGINE CONTROL SYSTEM

4D68 <L.H. drive vehicles> 4-2

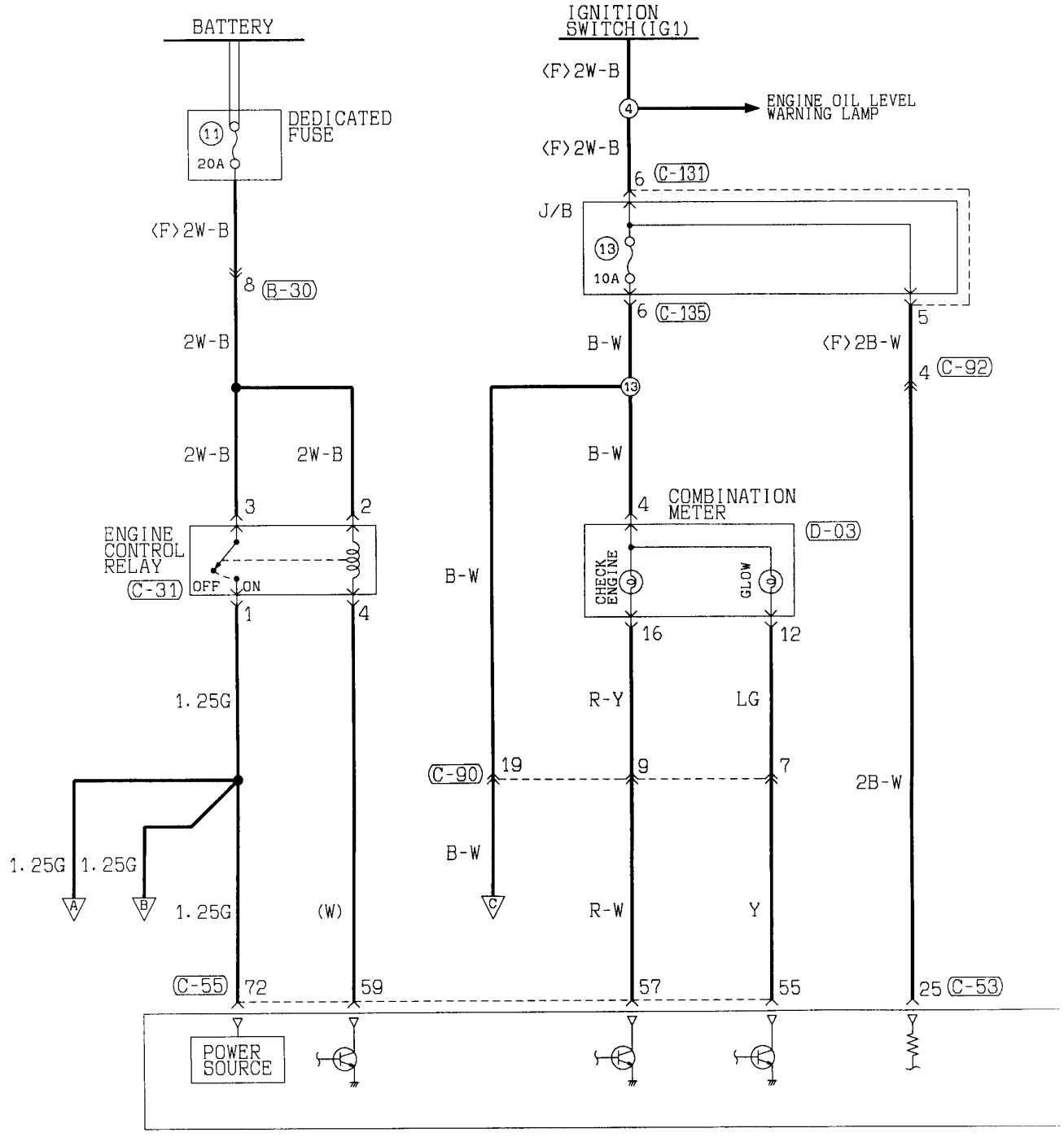
THEFT-ALARM SYSTEM

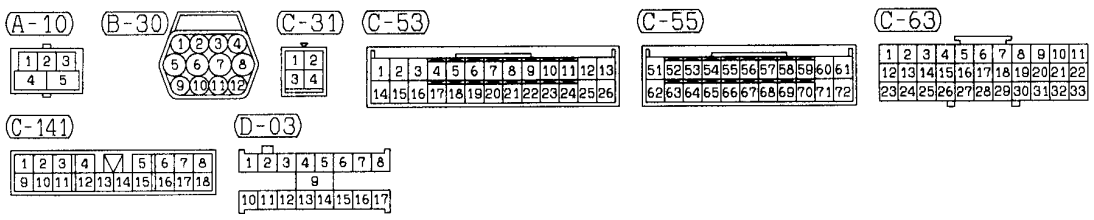
L.H. drive vehicles 4-10

R.H. drive vehicles 4-18

ENGINE CONTROL SYSTEM

4D68 <L.H. drive vehicles>





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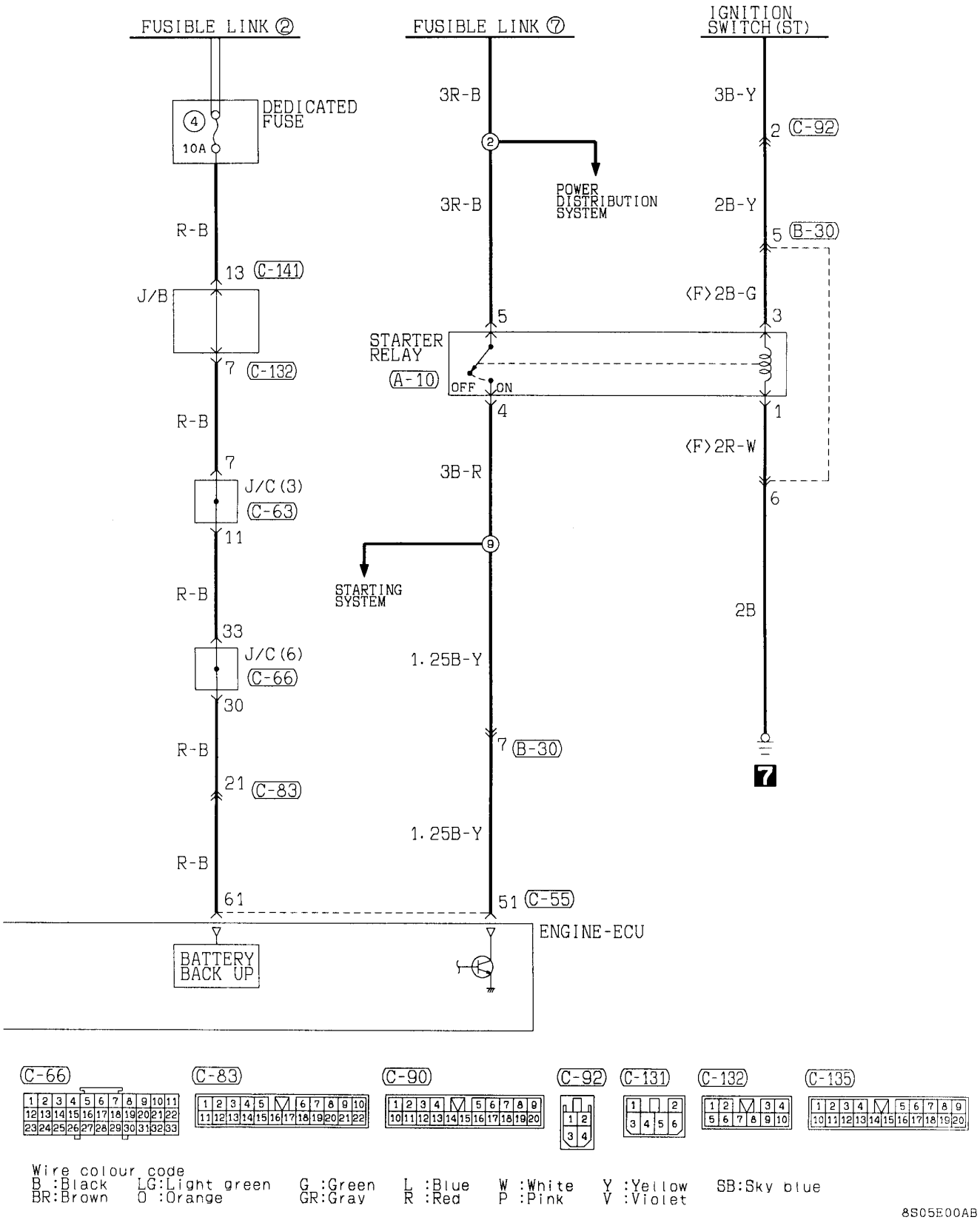

Wire colour code

B :Black	LG:Light green	G :Green	L :Blue	W :White	Y :Yellow	SB:Sky blue	
BR:Brown	O :Orange	GR:Gray	R :Red	P :Pink	V :Violet		

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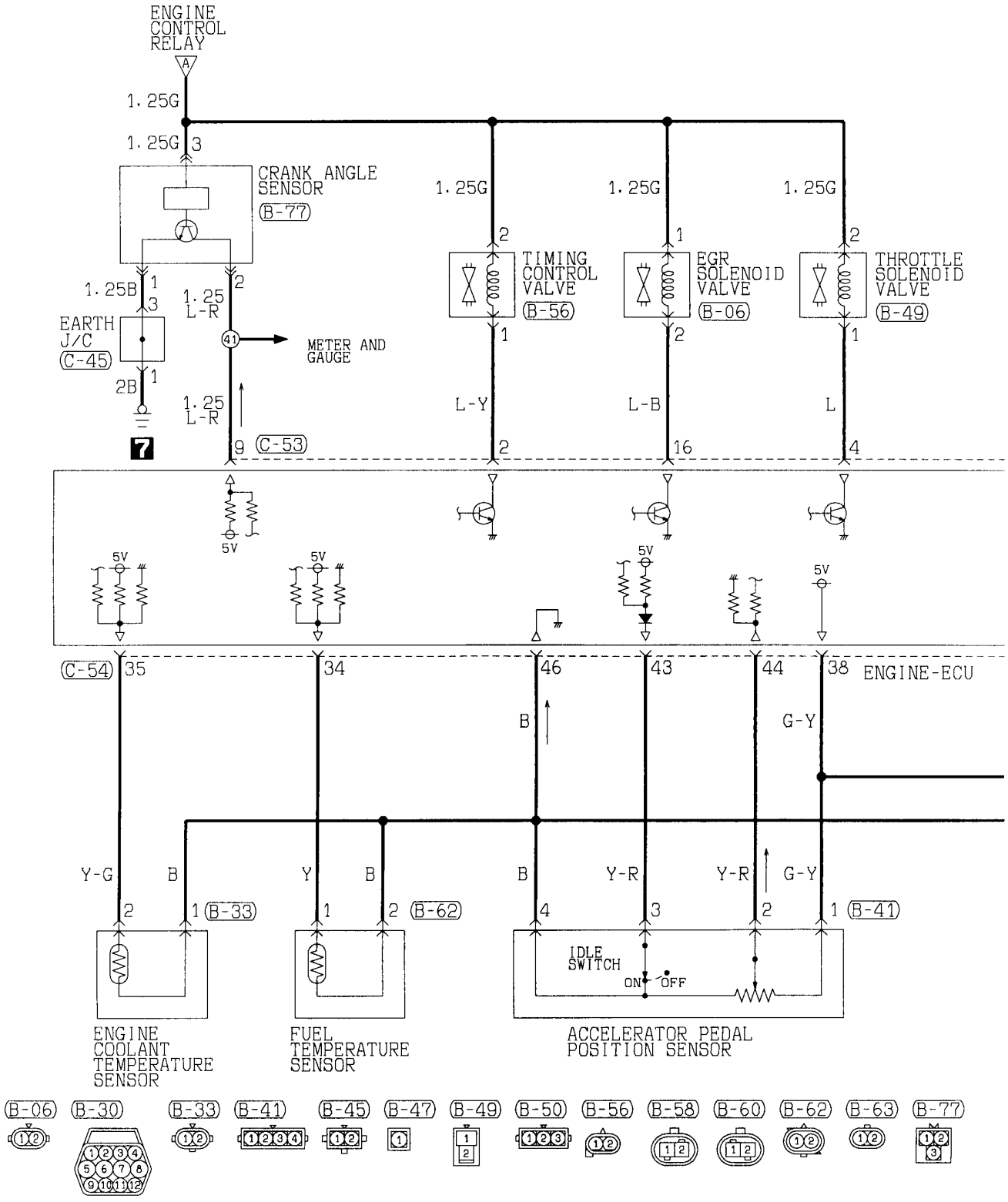
ENGINE CONTROL SYSTEM <4D68 (L.H. drive vehicles)> (CONTINUED)



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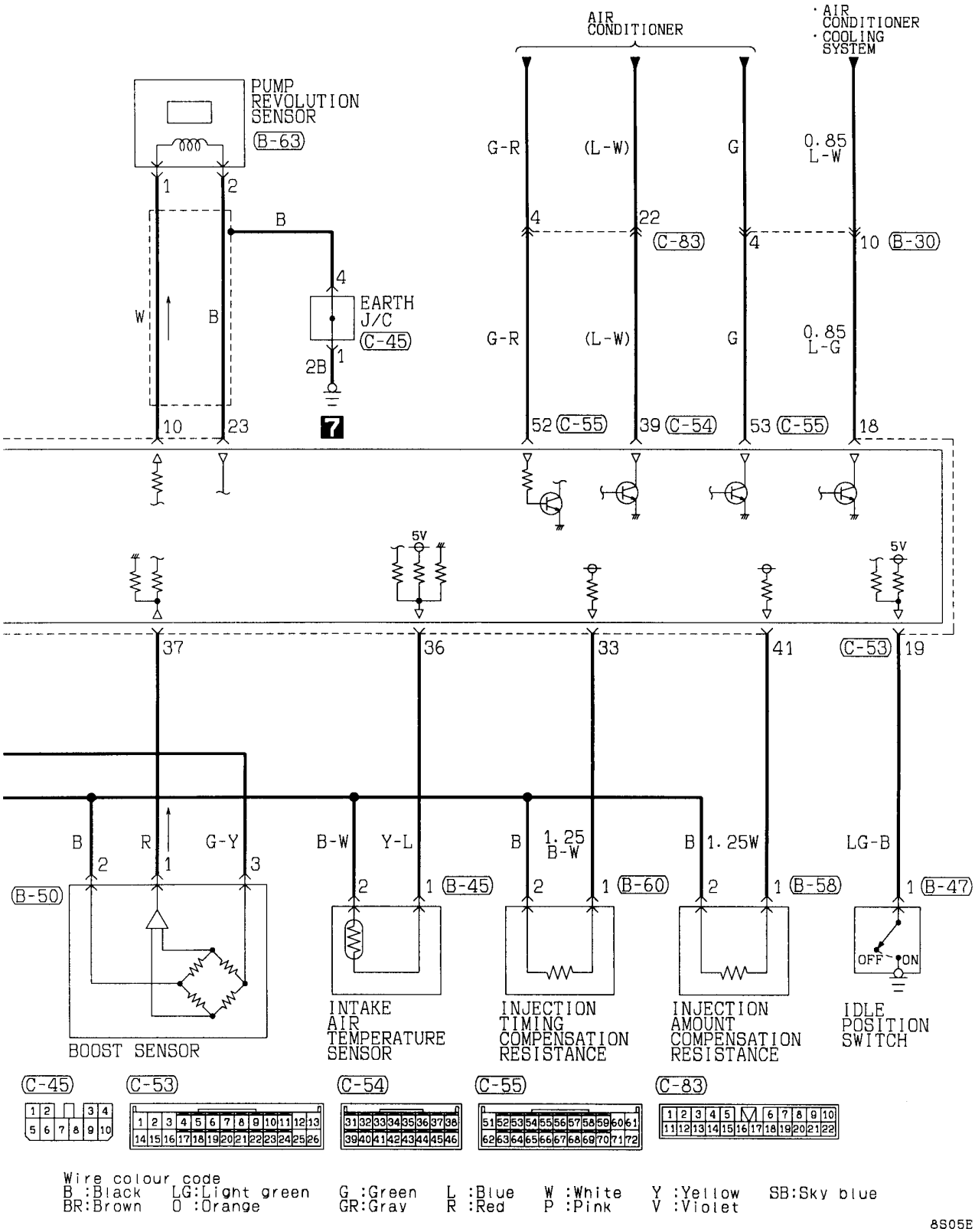

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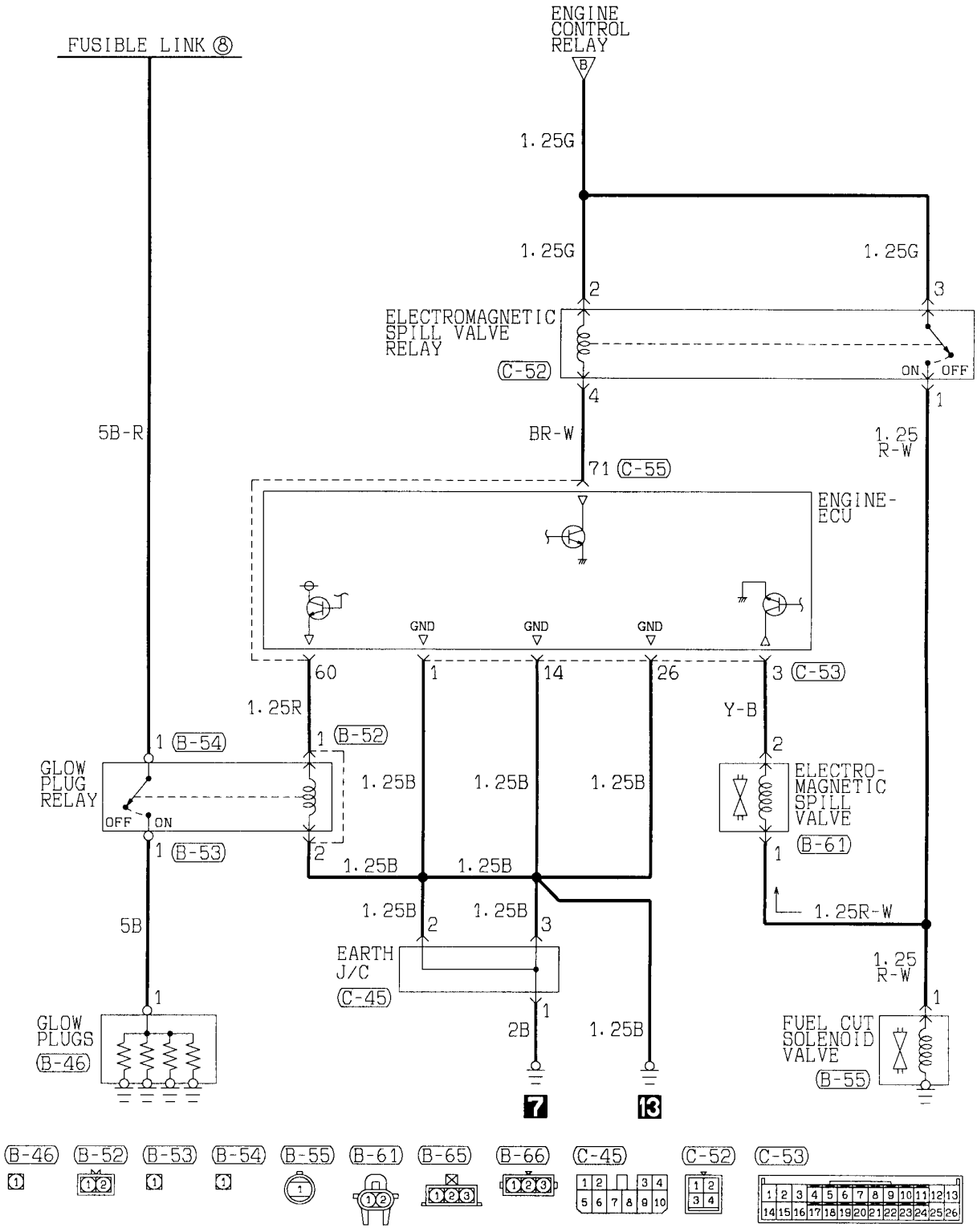
ENGINE CONTROL SYSTEM <4D68 (L.H. drive vehicles)> (CONTINUED)



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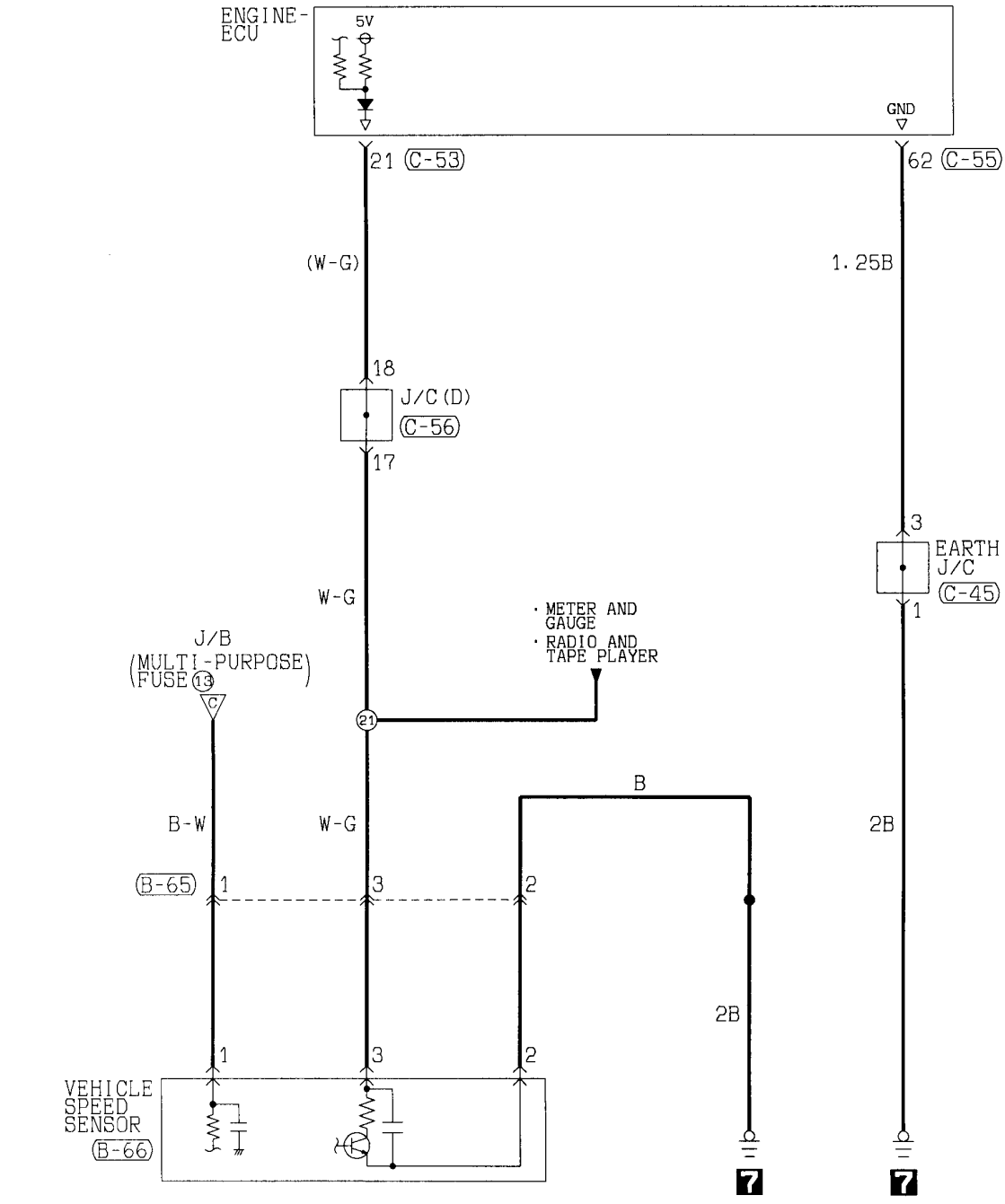

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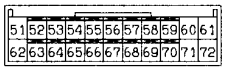

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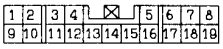

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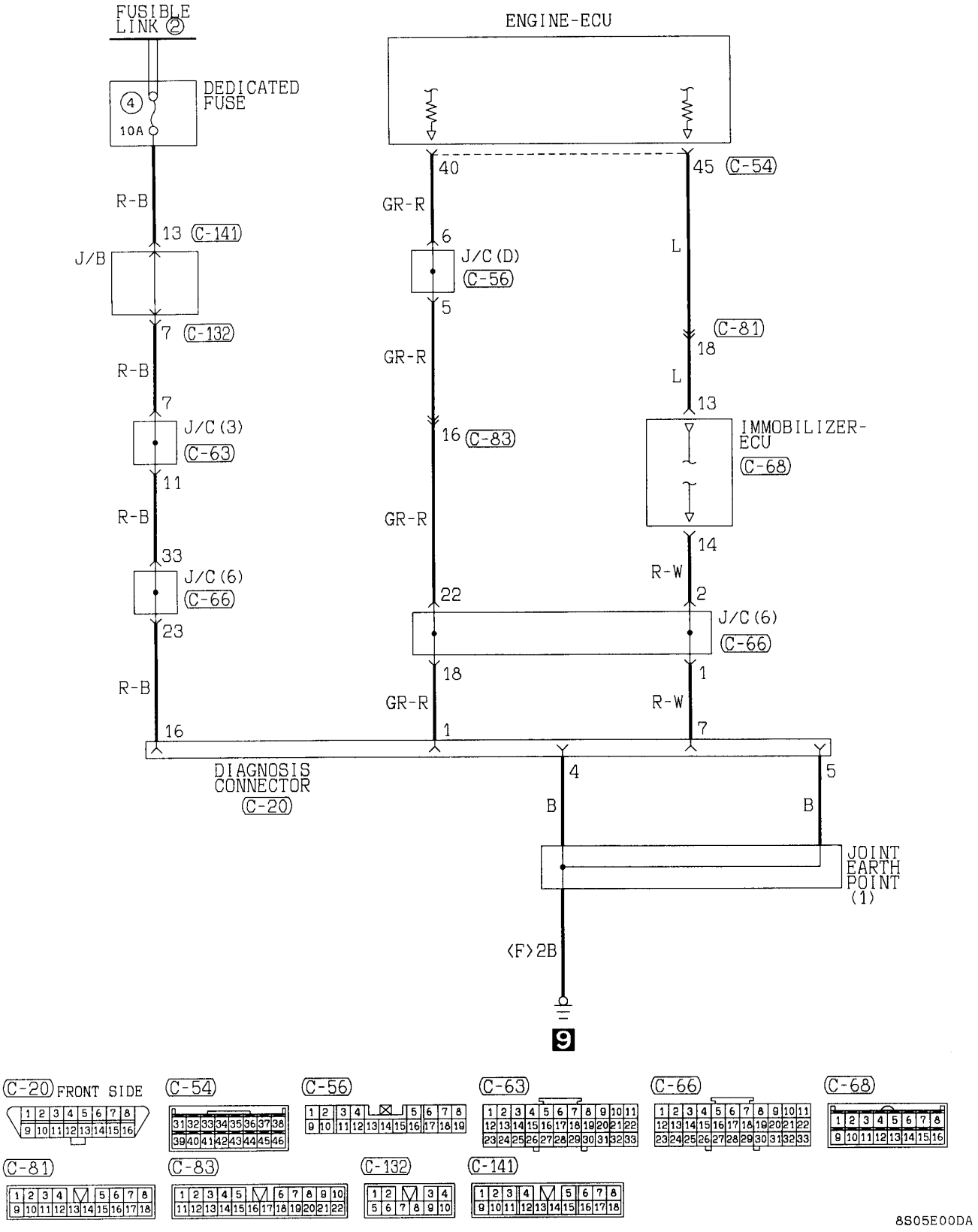
ENGINE CONTROL SYSTEM <4D68 (L.H. drive vehicles)> (CONTINUED)



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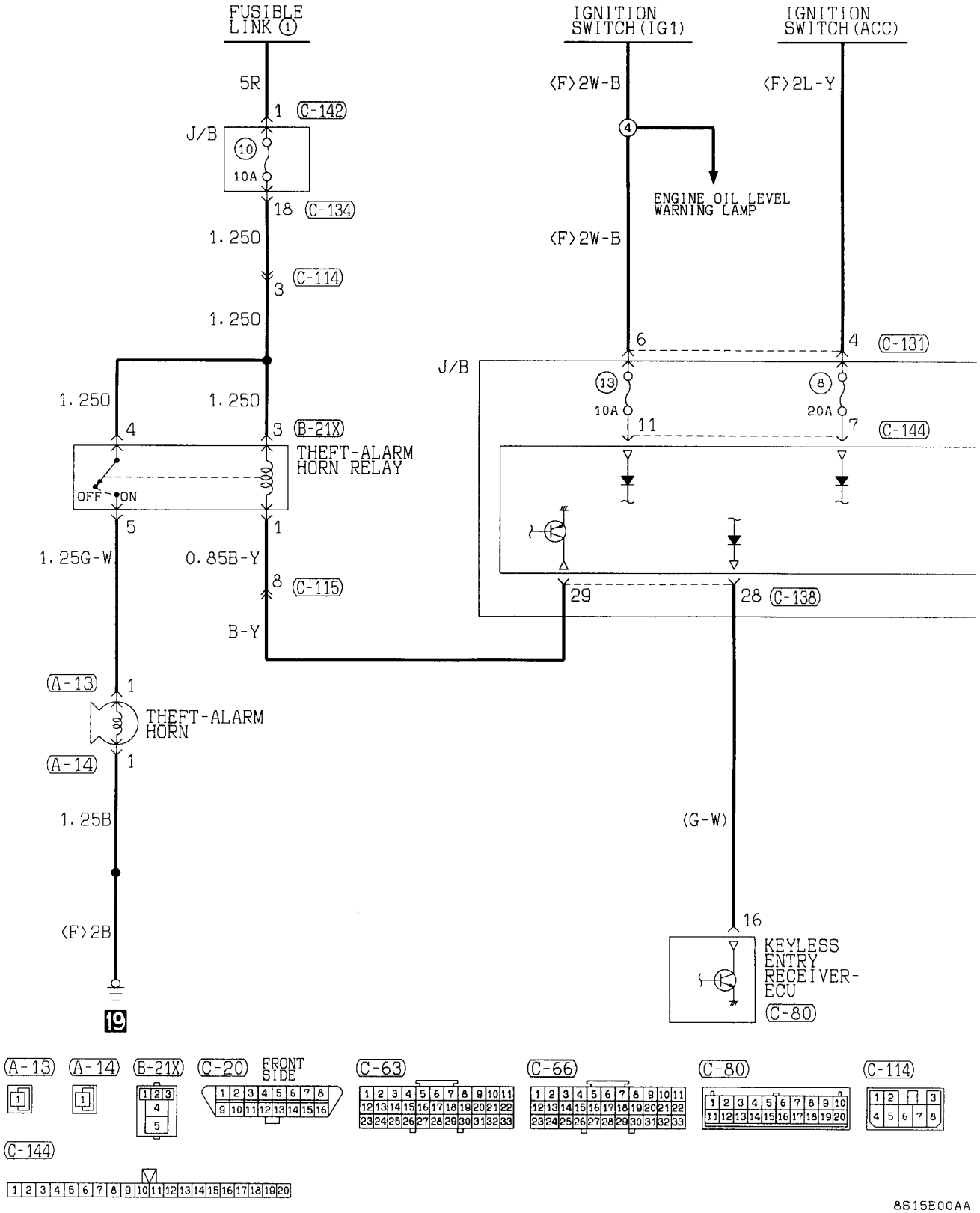
NOTES

THEFT-ALARM SYSTEM

L.H. drive vehicles



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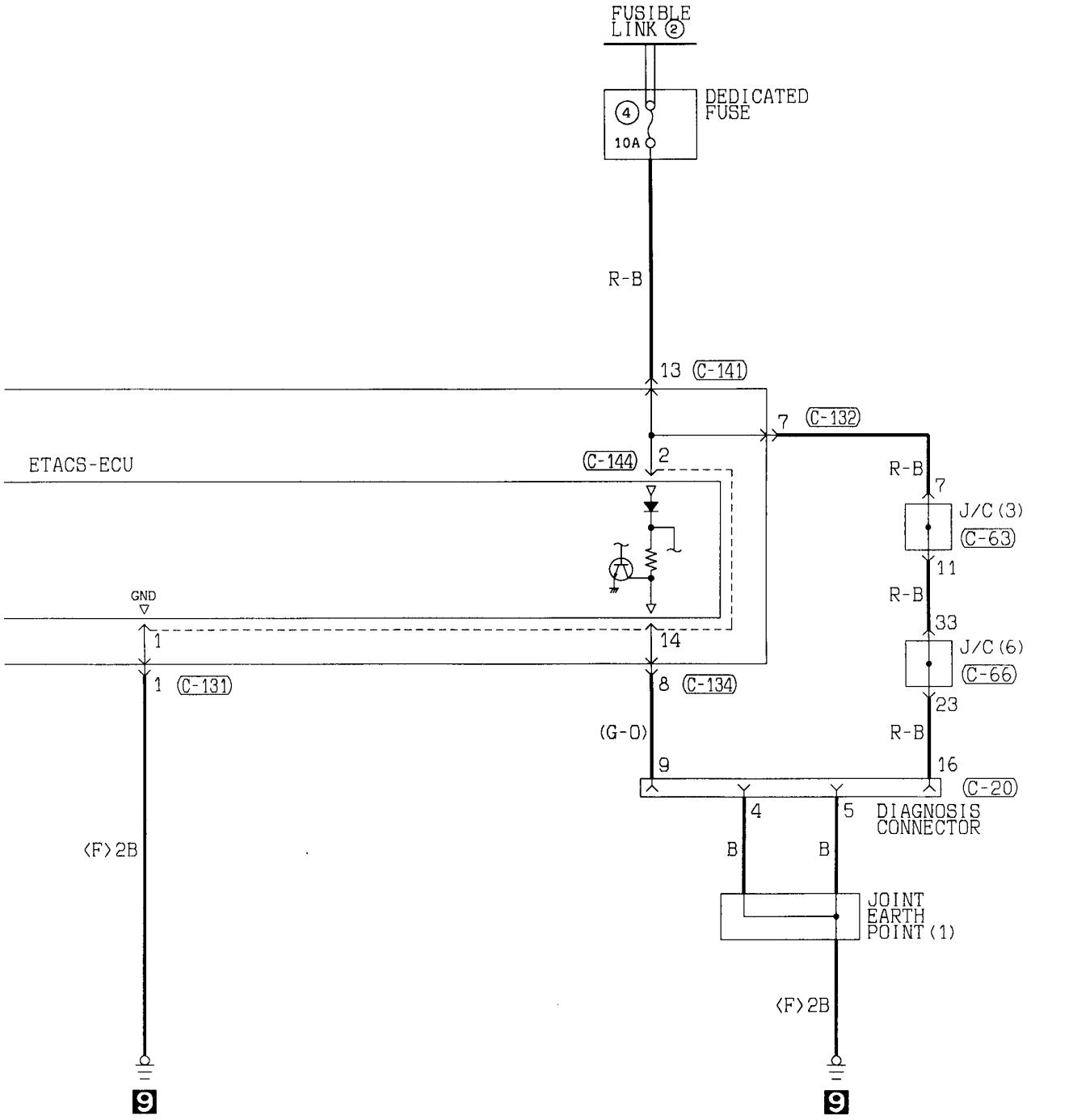

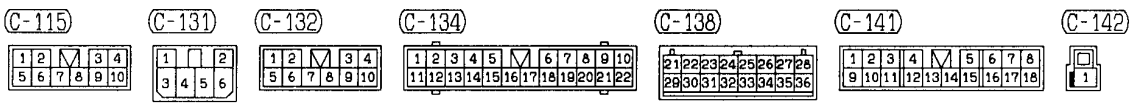

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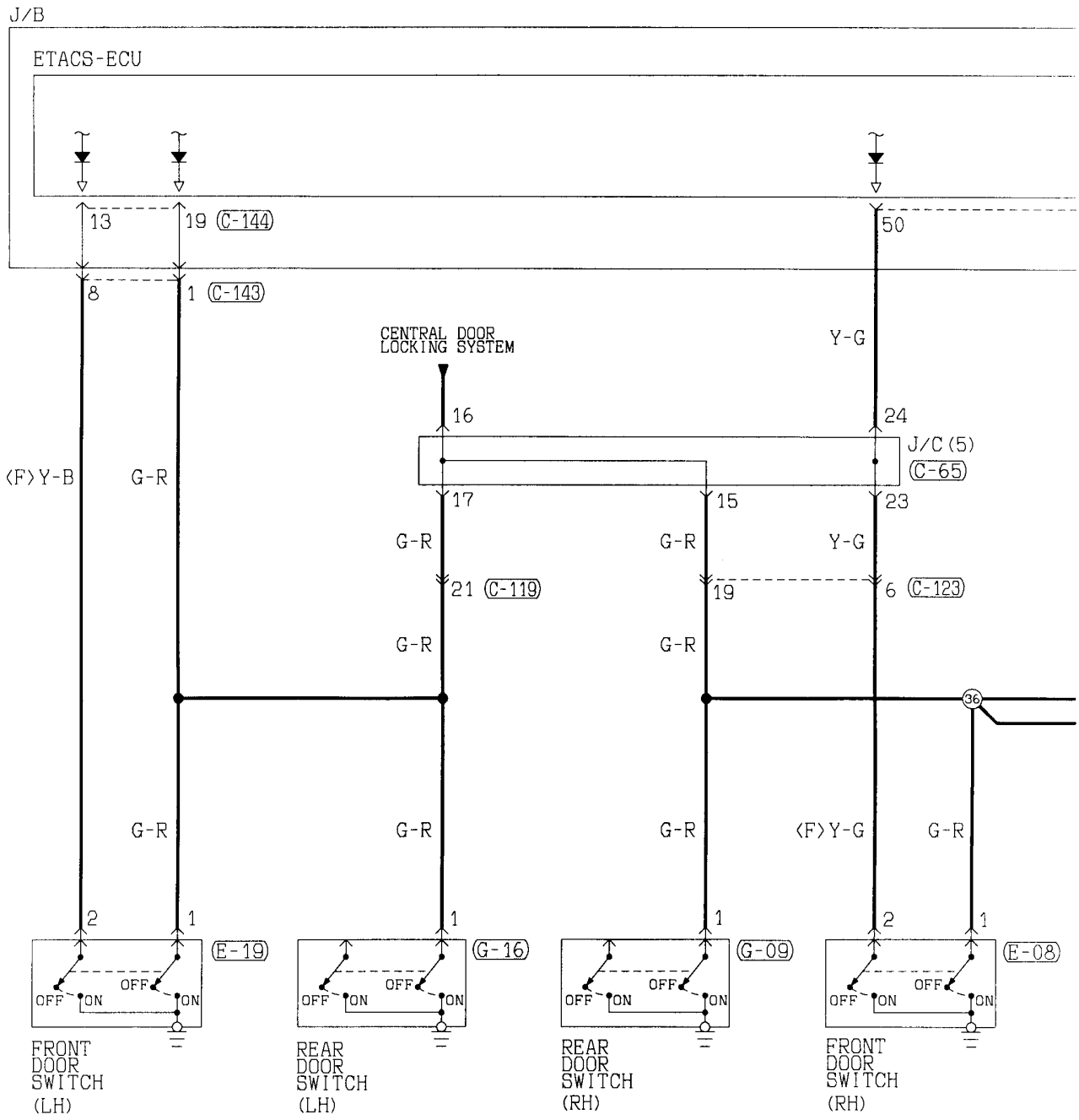
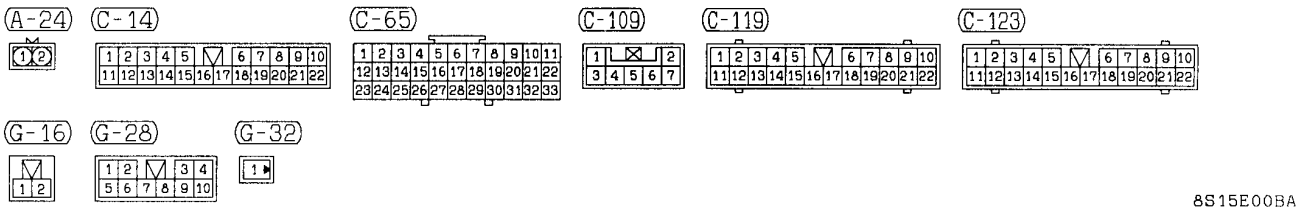
THEFT-ALARM SYSTEM <L.H. drive vehicles> (CONTINUED)





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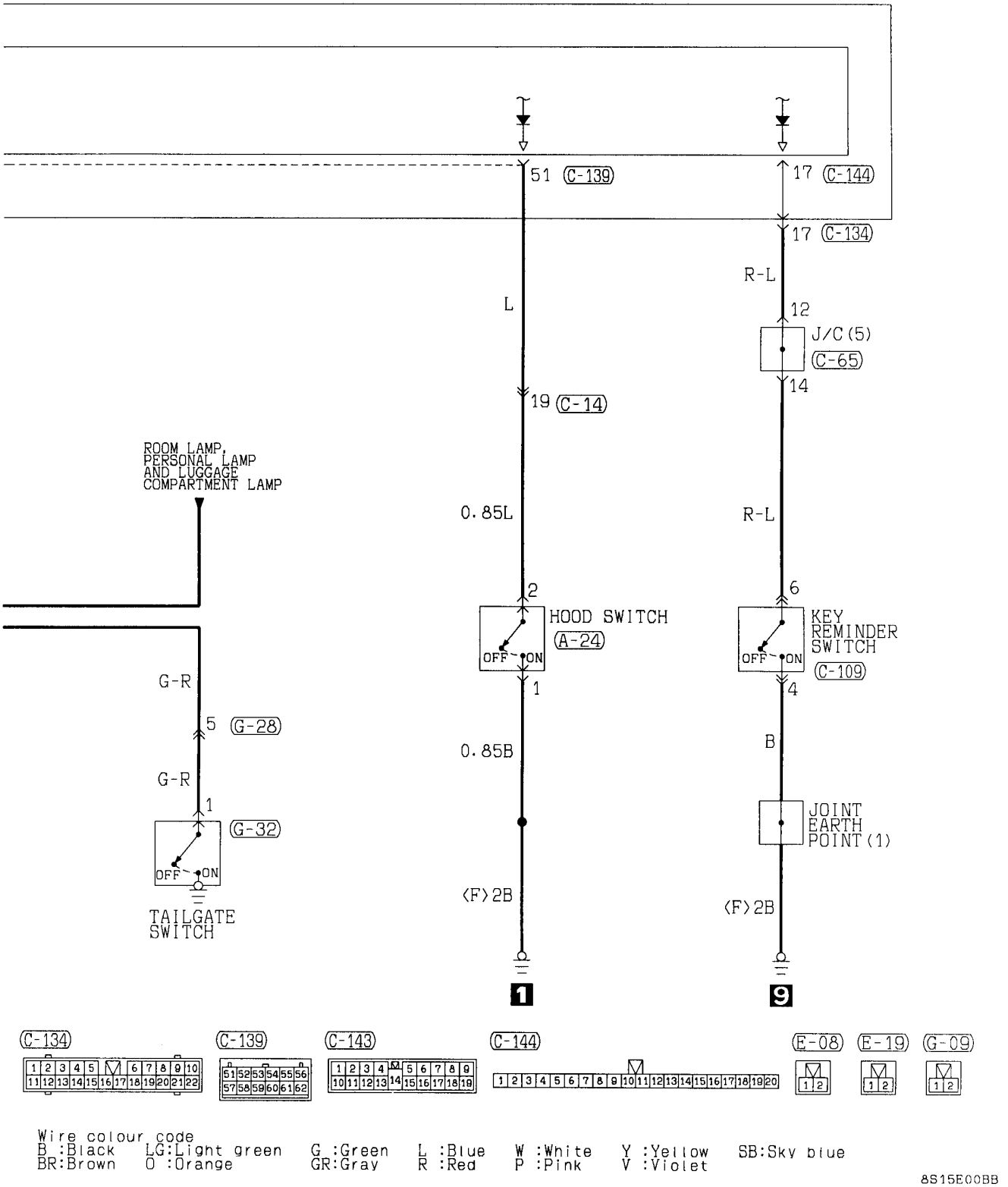

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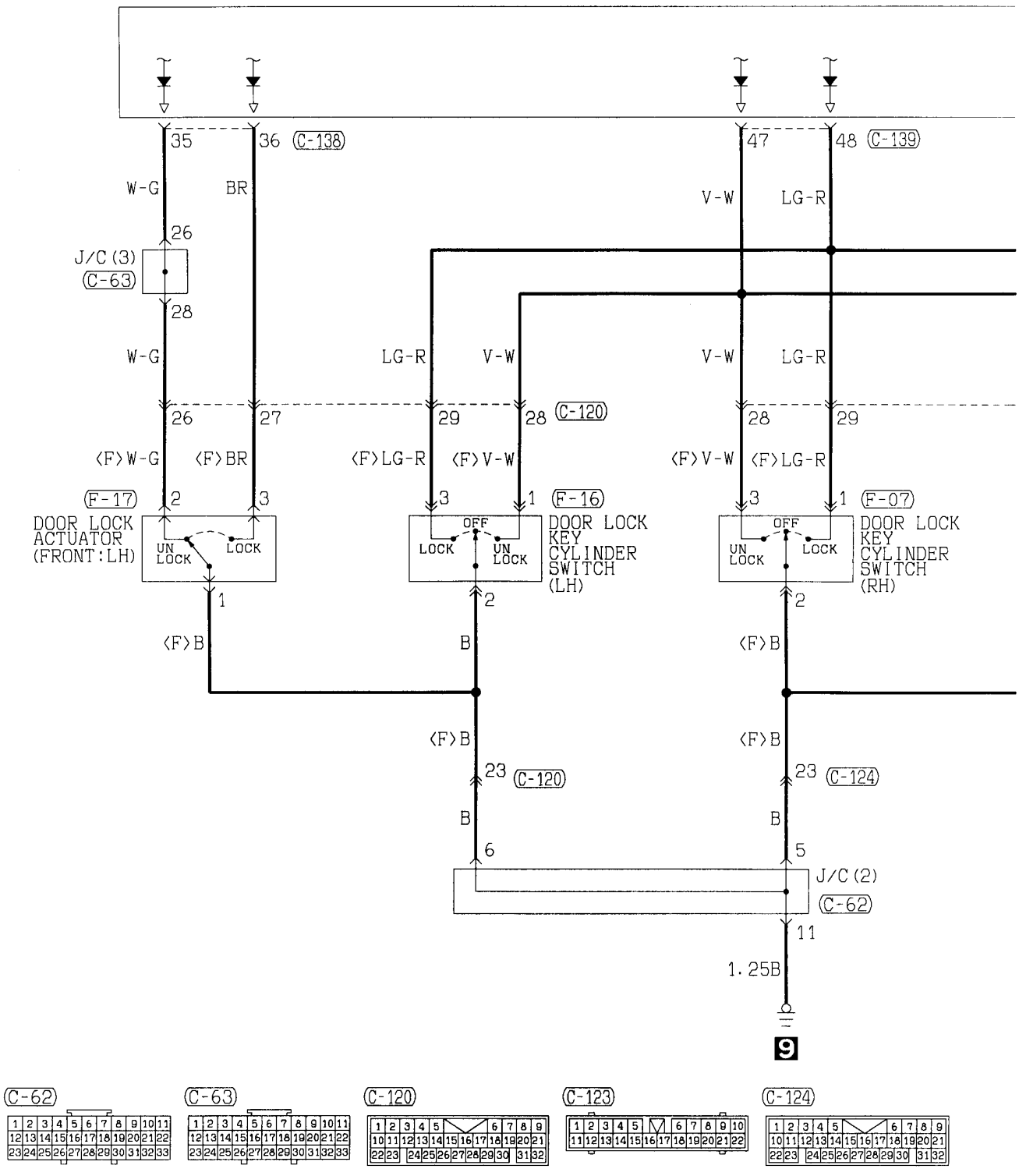
B :Black	LG:Light green	G :Green	L :Blue	W :White	Y :Yellow	SB:Sky blue
BR:Brown	O :Orange	GR:Gray	R :Red	P :Pink	V :Violet	

8S15E00BB

THEFT-ALARM SYSTEM <L.H. drive vehicles> (CONTINUED)



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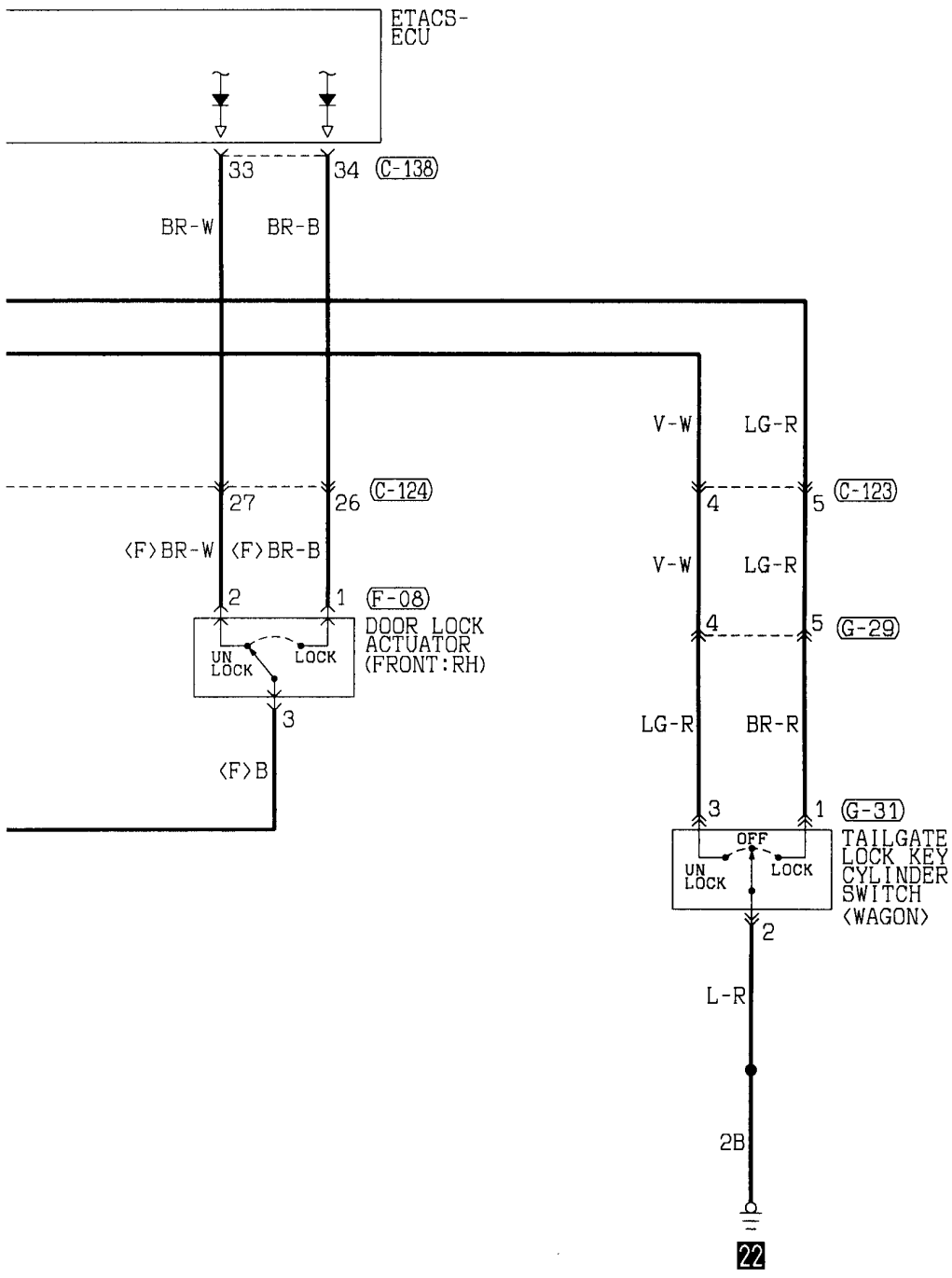
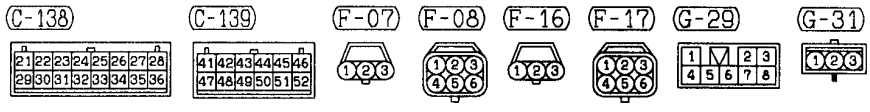


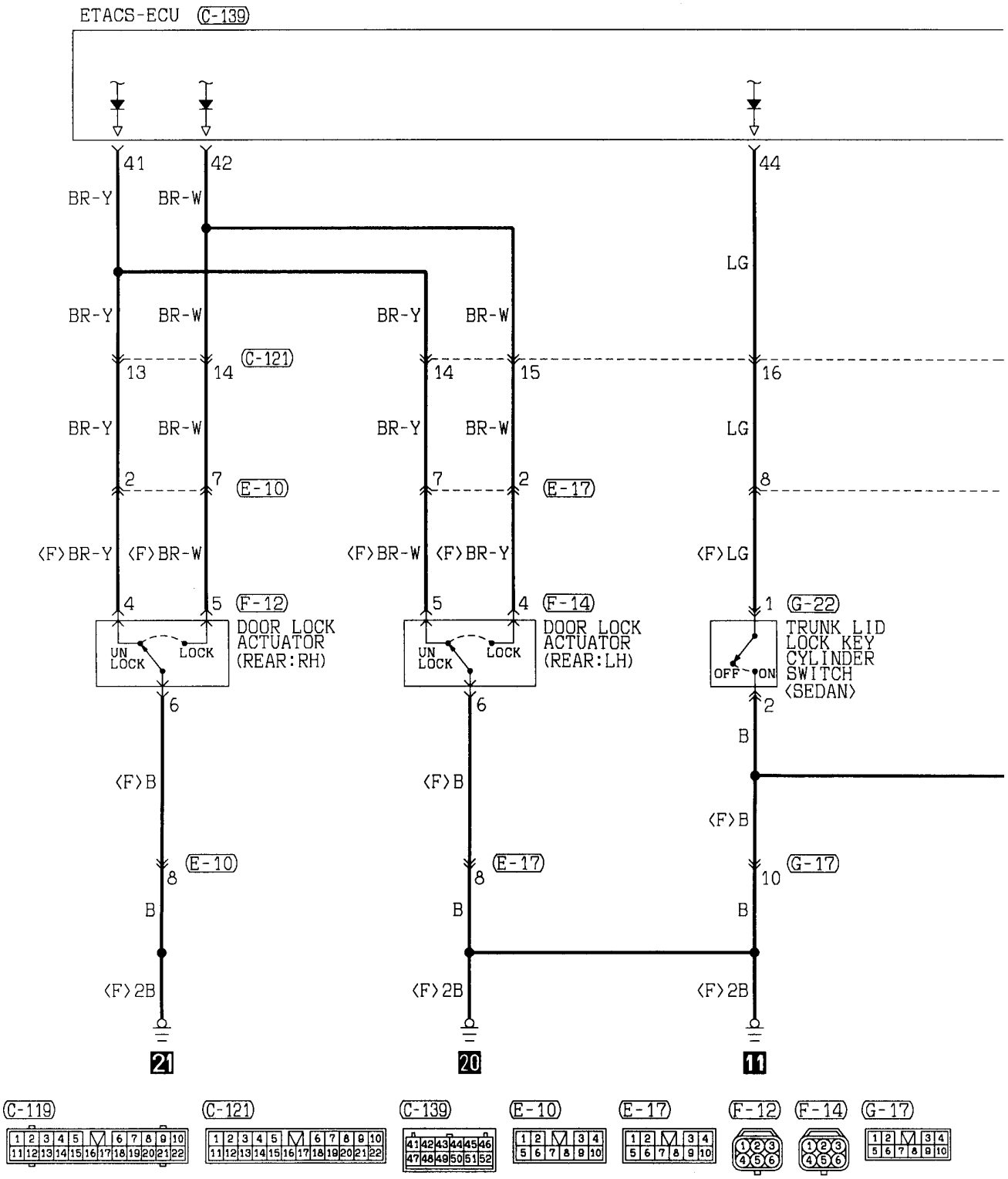


Wire colour code

B :Black	LG:Light green	G :Green	L :Blue	W :White	Y :Yellow	SB:Sky blue	
BR:Brown	O :Orange	GR:Gray	R :Red	P :Pink	V :Violet		

8S15E00CB

THEFT-ALARM SYSTEM <L.H. drive vehicles> (CONTINUED)



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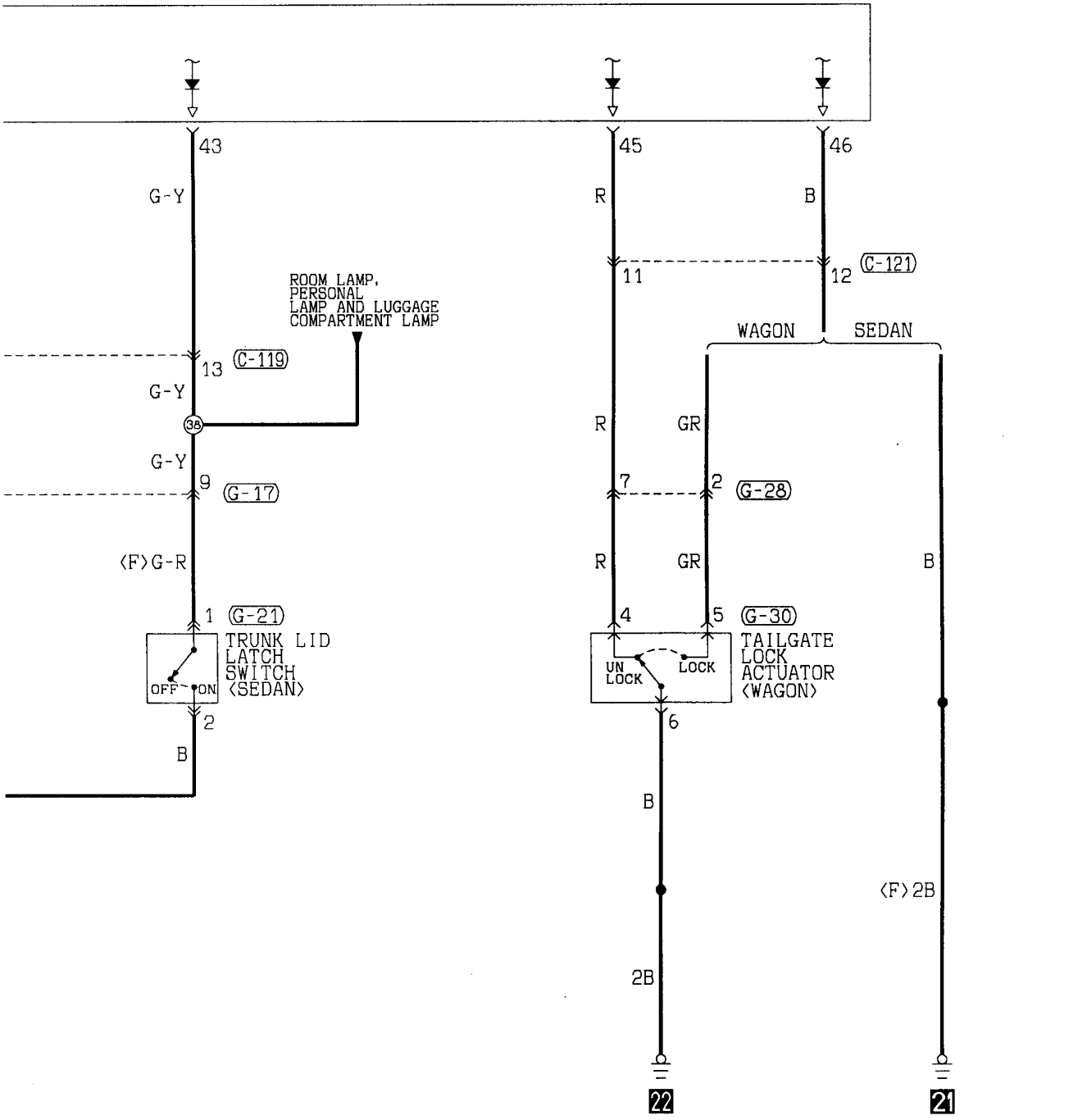

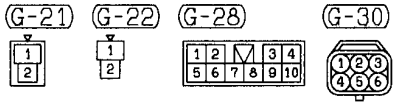

Wire colour code

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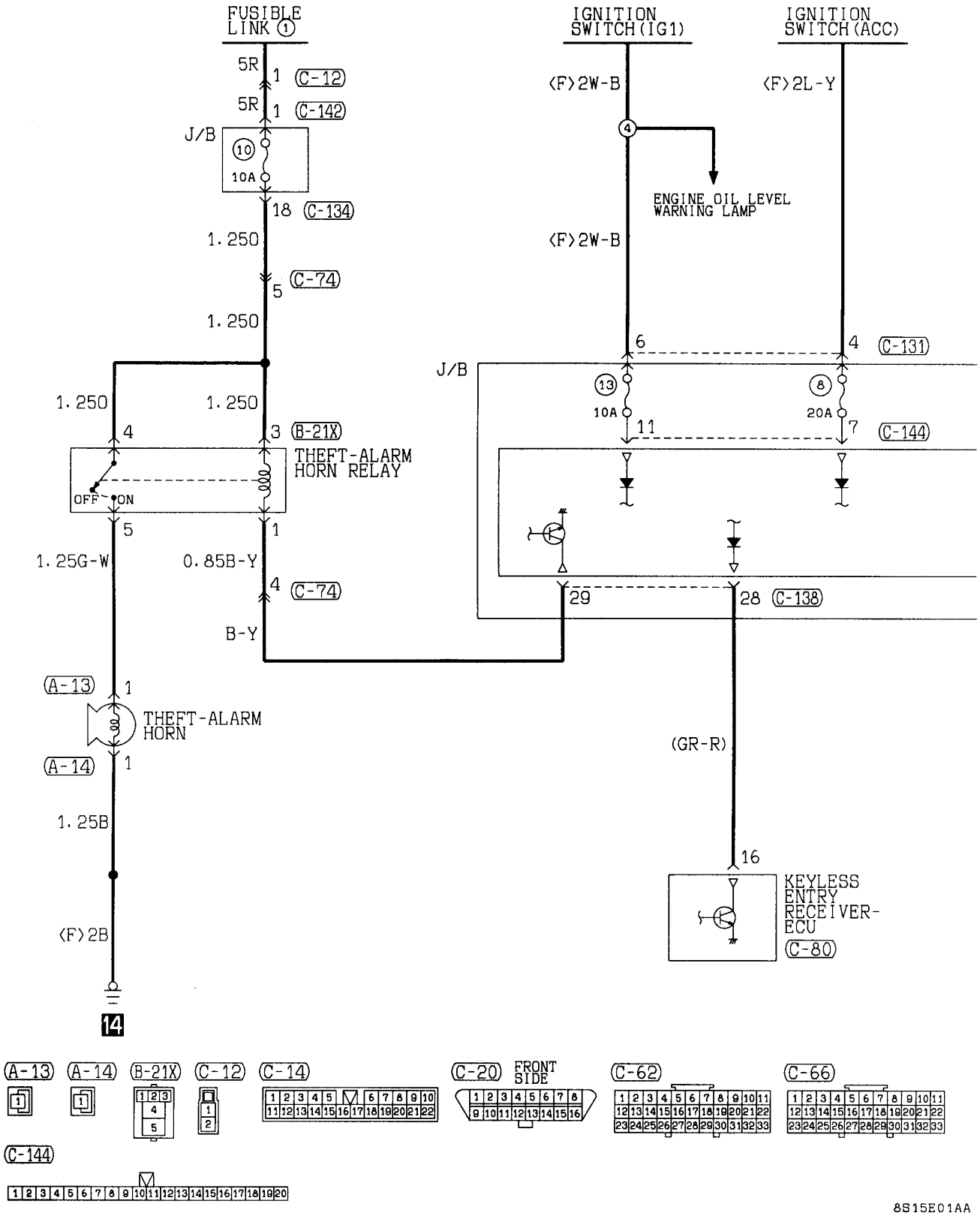
8S15E00DB

THEFT-ALARM SYSTEM

R.H. drive vehicles



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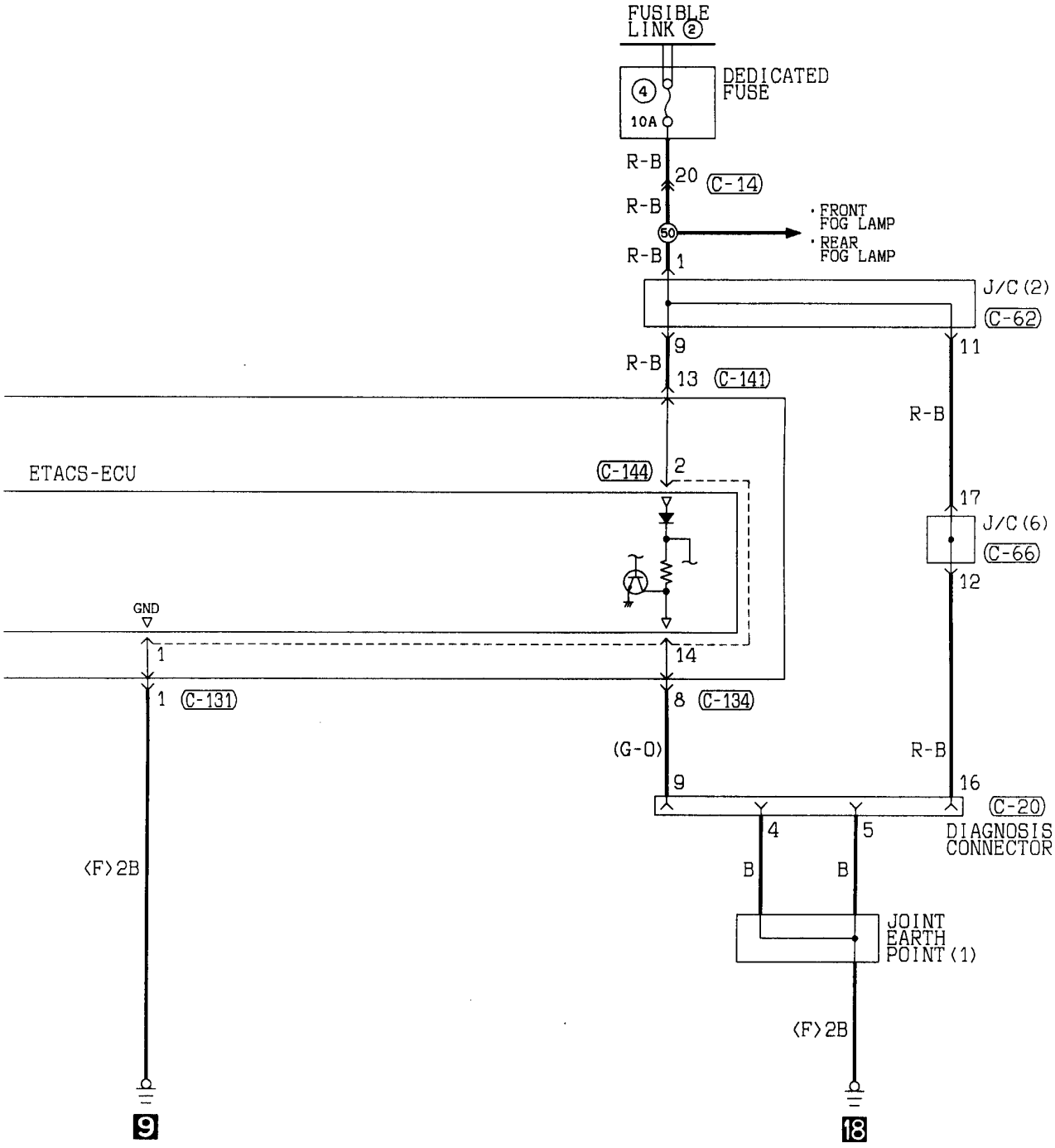
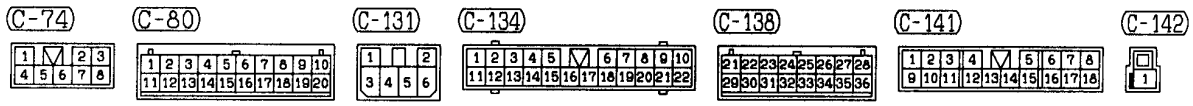


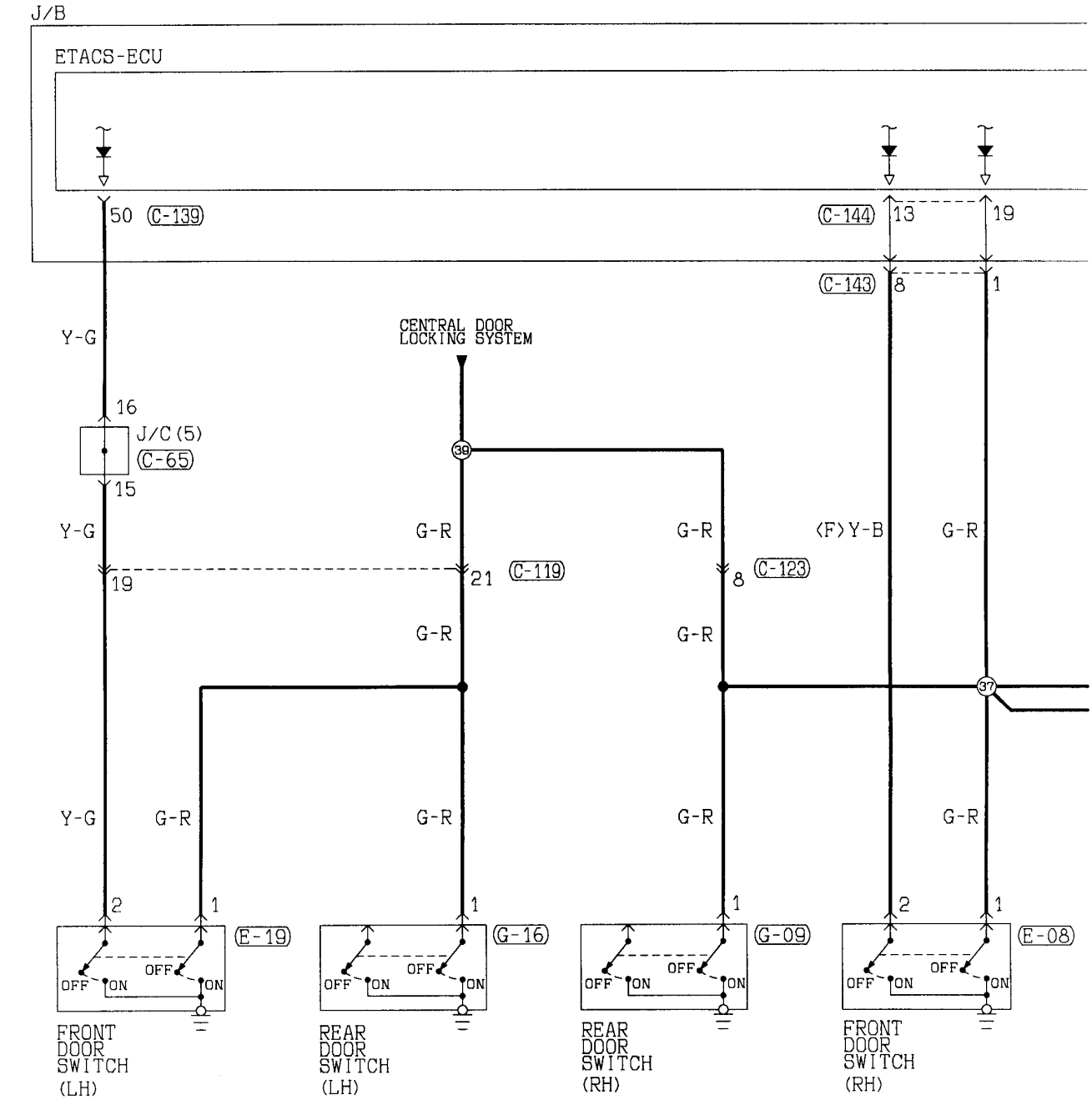


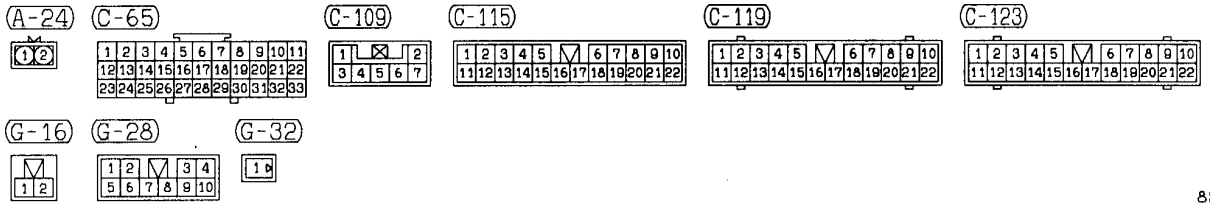
Wire colour code

B :Black	LG:Light green	G :Green	L :Blue	W :White	Y :Yellow	SB:Sky blue	
BR:Brown	O :Orange	GR:Gray	R :Red	P :Pink	V :Violet		

8S15E01AB

THEFT-ALARM SYSTEM <R.H. drive vehicles> (CONTINUED)





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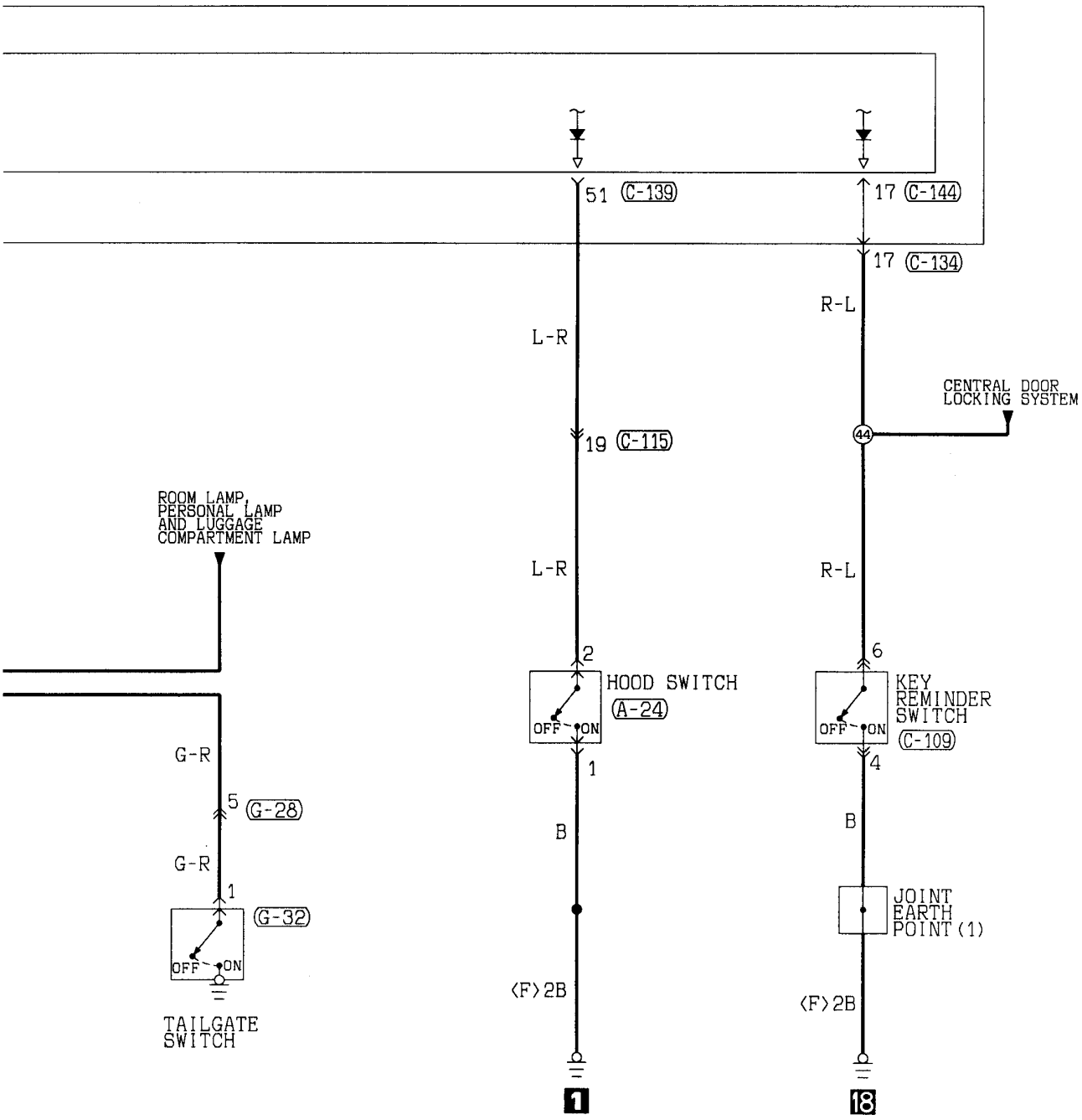

Wire colour code
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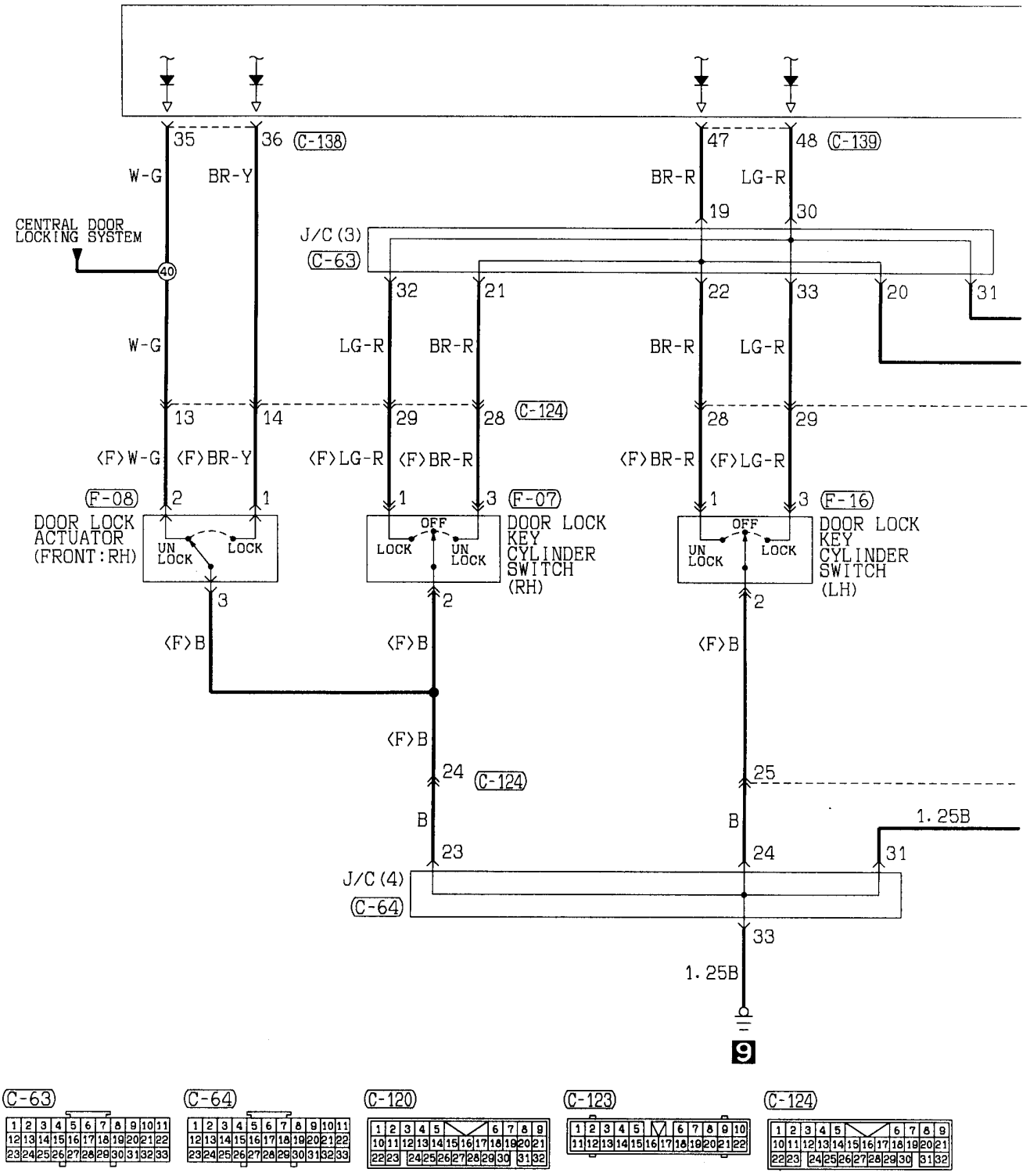
8S15E01BB

THEFT-ALARM SYSTEM <R.H. drive vehicles> (CONTINUED)



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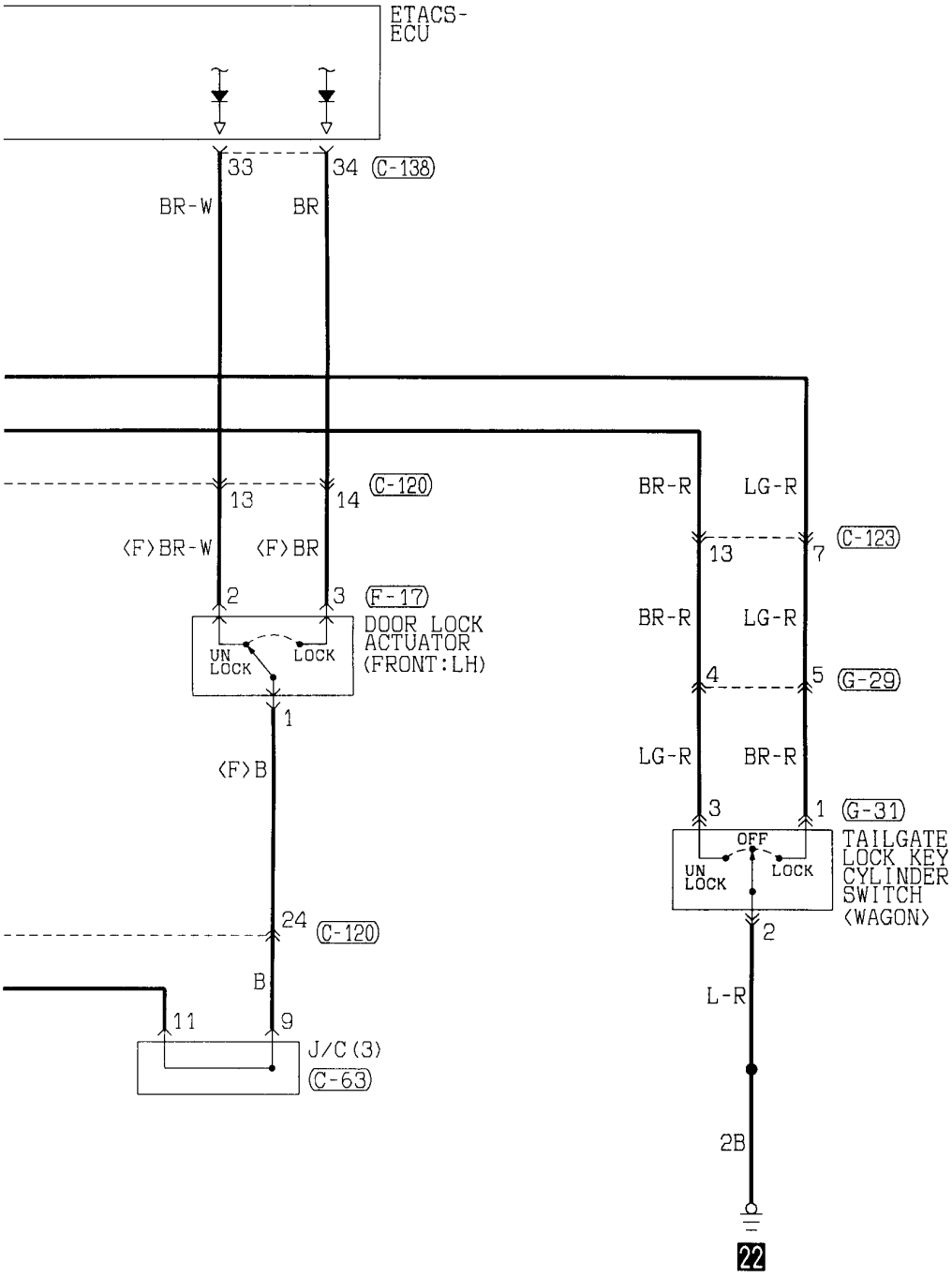

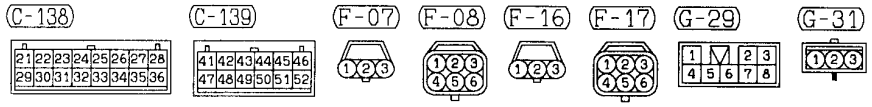

Wire colour code

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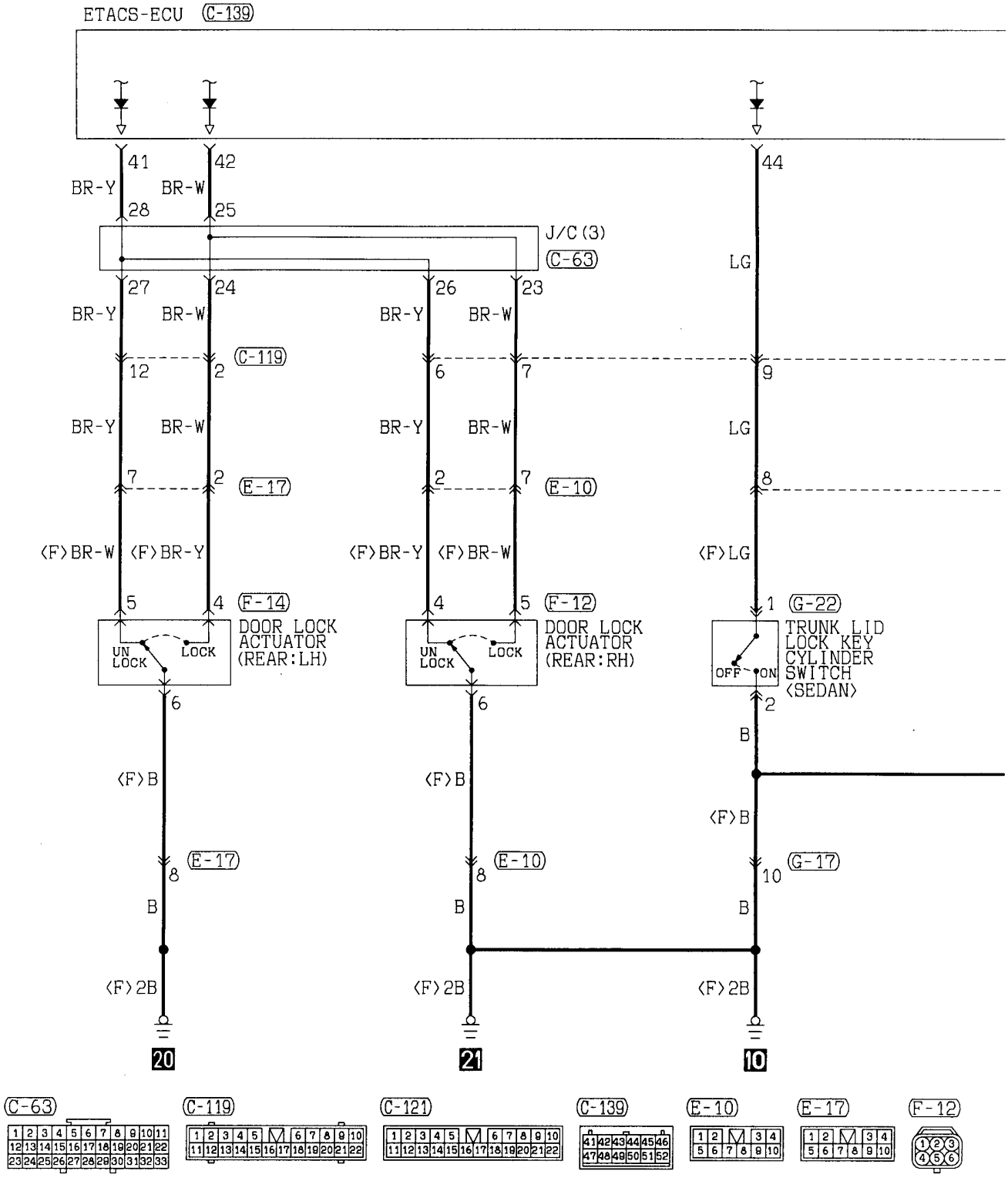
8S15E01CB

THEFT-ALARM SYSTEM <R.H. drive vehicles> (CONTINUED)



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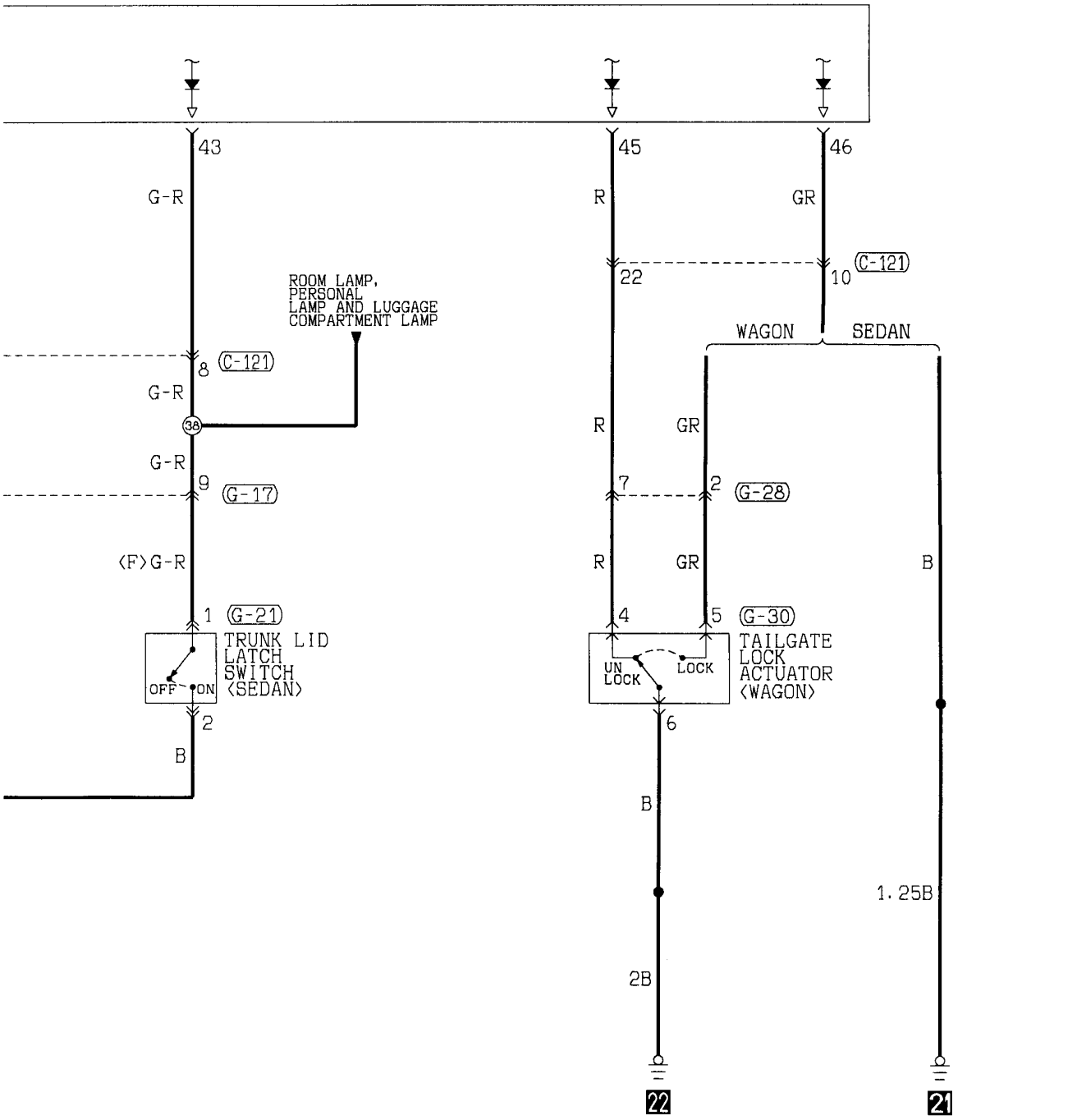

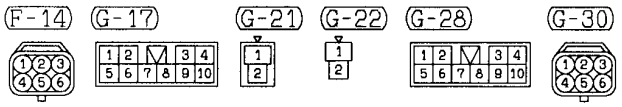

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8S15E01DB