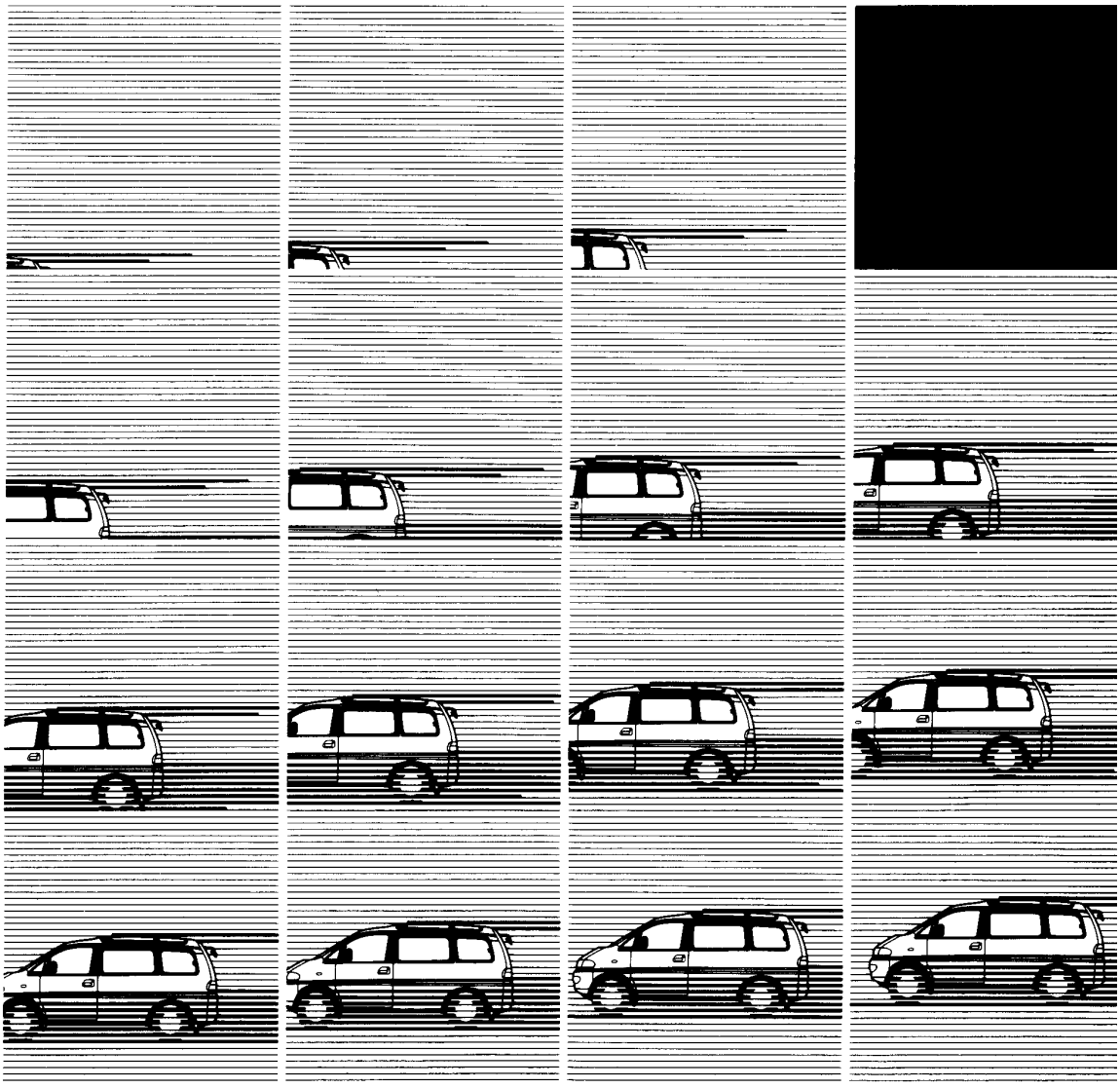
MITSUBISHI MOTORS

Workshop Manual

electrical wiring

SUPPLEMENT

MITSUBISHI L400 '96



Pub. No. PHWE9407-A

MITSUBISHI L400

ELECTRICAL WIRING SUPPLEMENT

FOREWORD

This publication is a supplement to the Electrical Wiring Manual Pub. No. PHWE9407 and contains only additions and changes to the original issue. It is recommended that all service mechanics engaged in the servicing of the vehicle refer to the following publications as well as this manual.

TECHNICAL INFORMATION MANUAL
PYWE9410

WORKSHOP MANUAL
- ENGINE GROUP PWEE□□□□ (Loose-leaf edition)
- CHASSIS GROUP PWWE9410 (Basic) PWWE9410-A (Supplement)
- BODY REPAIR MANUAL PBWE9404
- ELECTRICAL WIRING PHWE9407

PARTS CATALOGUE B603A805A□

All information, illustrations and product descriptions contained in this manual are currect as of time of publication. We, however, reserve the right to make changes at any time without prior notice or obligation.

GROUP INDEX

OUTLINE OF CHANGES 0

HOW TO READ THE WIRING DIAGRAMS 1

CIRCUIT DIAGRAM 4

MITSUBISHI MOTORS CORPORATION

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HOW TO USE THIS MANUAL

CONTENTS

The preceding page containts 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.

OPERATION AND TROUBLESHOOTING HINTS

In the GROUP 4 circuit diagrams, the operation and troubleshooting hints are given on the previous page or following page for each circuit where necessary.

OUTLINE OF CHANGES

CIRCUIT DIAGRAM 2
TABLE OF CIRCUIT DIAGRAMS 2

CIRCUIT DIAGRAM

Circuit diagrams			Description of changes
Main title	Subtitle	Ref. page	
DEFOGGER AND DOOR MIRROR HEATER	L.H. drive vehicles	4-2	Contents for the door mirror heater have been added.
REMOTE CONTROLLED MIRROR	—	4-4	
ANTI-LOCK BRAKING SYSTEM	L.H. drive vehicles <4WD>	4-6	The ABS circuit has been changed to correspond to changes in the ABS G sensor.
RHEOSTAT	—	4-12	The rheostat circuit has been changed to correspond to the abolition of rheostst illumination.

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) The [●] symbol indicates a circuit in which a change and/or addition has been made.
(2) The [○] symbol indicates a circuit in which no change has been made. For details please refer to the previous wiring diagrams.

Main circuit	Circuit classifications	Pub. No. PHWE9407 (Basic)	Pub. No. PHWE9407-A (Supplement)
JUNCTION BLOCK (J/B)	—	○	○
JOINT CONNECTOR (J/C)	—	○	○
CENTRALIZED JUNCTION	—	○	○
POWER DISTRIBUTION SYSTEM	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
STARTING SYSTEM	L.H. drive vehicles <Petrol-powered vehicles>	○	○
	R.H. drive vehicles <Petrol-powered vehicles>	○	○
	Diesel-powered vehicles	○	○
IGNITION SYSTEM	Electronically-controlled carburettor	○	—
	MPI	○	○
CHARGING SYSTEM	—	○	○
GLOW SYSTEM	Vehicles with EGR system	○	○
	Vehicles without EGR system	○	○
ELECTRONICALLY-CONTROLLED CARBURETTOR	—	○	—
MPI SYSTEM	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
OVERDRIVE CONTROL SYSTEM	—	○	○
HEADLAMP	L.H. drive vehicles with daytime running lamp	○	○
	L.H. drive vehicles without daytime running lamp	○	○
	R.H. drive vehicles	○	○

Main circuit	Circuit classifications	Pub. No. PHWE9407 (Basic)	Pub. No. PHWE9407-A (Supplement)
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
REAR FOG LAMP	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
HEADLAMP LEVELING SYSTEM	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
ROOM LAMP	L.H. drive vehicles with sunroof	○	○
	L.H. drive vehicles without sunroof	○	○
	R.H. drive vehicles	○	○
DOOR LAMP AND STEP LAMP	—	○	○
GLOVE BOX LAMP	—	○	○
IGNITION KEY CYLINDER ILLUMINATION LAMP	—	○	○
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
STOP LAMP	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
BACK-UP LAMP	M/T	○	○
	A/T	○	○
HORN	Vehicles with SRS	○	○
	Vehicles without SRS	○	○
METER AND GAUGE	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
FUEL WARNING LAMP	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
OIL PRESSURE WARNING LAMP	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
FUEL FILTER WARNING LAMP	L.H. drive vehicles <4D56>	○	○
	R.H. drive vehicles <4D56>	○	○
BRAKE WARNING LAMP	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
ENGINE OIL LEVEL WARNIG LAMP	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
MULTI-METER	—	○	○
CENTRAL DOOR LOCKING SYSTEM	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
POWER WINDOWS	—	○	○
HEATER	L.H. drive vehicles with under seat type rear heater	○	○
	L.H. drive vehicles with built-in type rear heater	○	○
	L.H. drive vehicles without rear heater	○	○
	R.H. drive vehicles	○	○

Main circuit	Circuit classifications	Pub. No. PHWE9407 (Basic)	Pub. No. PHWE9407-A (Supplement)
SINGLE AIR CONDITIONER	Electronically-controlled carburettor	○	—
	MPI	○	○
	Diesel	○	○
DUAL AIR CONDITIONER	Overhead type <Electronically-controlled carburettor>	○	—
	Overhead type <MPI>	○	○
	Overhead type <Diesel>	○	○
	Built-in type	○	○
WINDSHIELD WIPER AND WASHER	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
REAR WIPER AND WASHER	—	○	○
HEADLAMP WASHER	—	○	○
DEFOGGER	L.H. drive vehicles	○	—
	R.H. drive vehicles	○	○
DEFOGGER AND DOOR MIRROR HEATER	L.H. drive vehicles	—	●
REMOTE CONTROLLED MIRROR	—	○	●
RADIO AND TAPE PLAYER	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
CLOCK	—	○	○
CIGARETTE LIGHTER	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
ACCESSORY SOCKET	—	○	○
ANTI-LOCK BRAKING SYSTEM (ABS)	L.H. drive vehicles <2WD>	○	○
	L.H. drive vehicles <4WD>	○	●
	R.H. drive vehicles	○	○
FRONT SUNROOF	—	○	○
REAR SUNROOF	—	○	○
PART TIME 4WD SYSTEM	—	○	○
CRYSTAL LITE ROOF SUNSHADE	—	○	○
RHEOSTAT	—	○	●
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
LIGHTING MONITOR BUZZER	L.H. drive vehicles	○	○
	R.H. drive vehicles	○	○
HEATED SEAT	—	○	○
INTERCOOLER FAN	—	○	○
FUEL LINE HEATER	—	○	○

1 HOW TO READ THE WIRING DIAGRAMS

MODELS 1-2

MODELS

<Standard wheelbase models>

Model code		Engine model	Transmission model	Fuel supply system
PA3V	GLZDEL6	4G63 (1,997 mℓ)	R5M21 (2WD-5M/T)	MPI
	GLZDER6			
	NLZDEL6			
	NLNUEL6			
PA5V	GLZDTL6	4D56 (2,476 mℓ) with turbocharger		Diesel Fuel Injection
	GLZDTR6			
	NLZDTL6			
PD4V	NLNDEL6	4G64 (2,350 mℓ)	V5M21 (4WD-5M/T)	MPI
PD5V	GLNDTL6	4D56 (2,476 mℓ) with turbocharger		Diesel Fuel Injection
	GLNDTAL6			
PA3W	NLZJEL6	4G63 (1,997 mℓ)	R5M21 (2WD-5M/T)	MPI
	NLZUEL6			
	NLNUEL6			
	NLEUEL6		R4AW2 (2WD-4A/T)	
PA4W	NSNHEL6	4G64 (2,350 mℓ)	R5M21 (2WD-5M/T)	
	NSEHEL6		R4AW2 (2WD-4A/T)	
	HSNHEL6		R5M21 (2WD-5M/T)	
	HSEHEL6		R4AW2 (2WD-4A/T)	
PA5W	NLZUFL6	4D56 (2,476 mℓ) with intercooler turbocharger	R5M31 (2WD-5M/T)	Diesel Fuel Injection
	NLNUFL6			
PD4W	NLNUEL6	4G64 (2,350 mℓ)	V5M21 (4WD-5M/T)	MPI
PD5W	NLNUFL6	4D56 (2,476 mℓ) with intercooler turbocharger	V5M31 (4WD-5M/T)	Diesel Fuel Injection
	NLNUFAL6			

<Long wheelbase models>

Model code		Engine model	Transmission model	Fuel supply system
PB3V	HLZDEL6	4G63 (1,997 mℓ)	R5M21 (2WD-5M/T)	MPI
	JLZDEL6			
	JLZDER6			
PB5V	HLZDTL6	4D56 (2,476 mℓ) with turbocharger		Diesel Fuel Injection
	JLZDTL6			
	JLZDTR6			
	JLZDTAL6			

4 CIRCUIT DIAGRAM

DEFOGGER AND DOOR MIRROR HEATER

L.H. drive vehicles 4-2

REMOTE CONTROLLED MIRROR 4-4

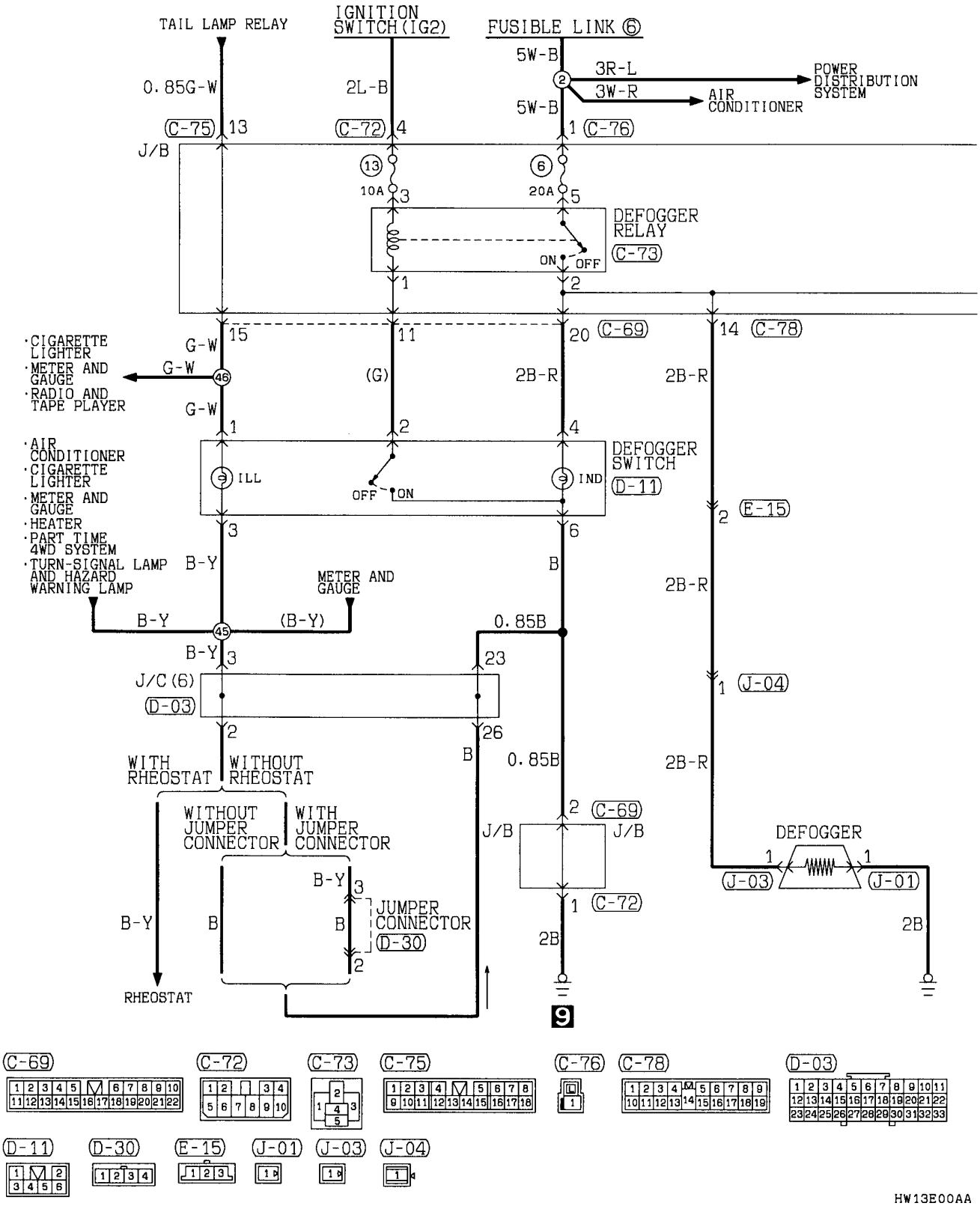
ANTI-LOCK BRAKING SYSTEM (ABS)

L.H. drive vehicles <4WD> 4-6

RHEOSTAT 4-12

DEFOGGER AND DOOR MIRROR HEATER

L.H. drive vehicles



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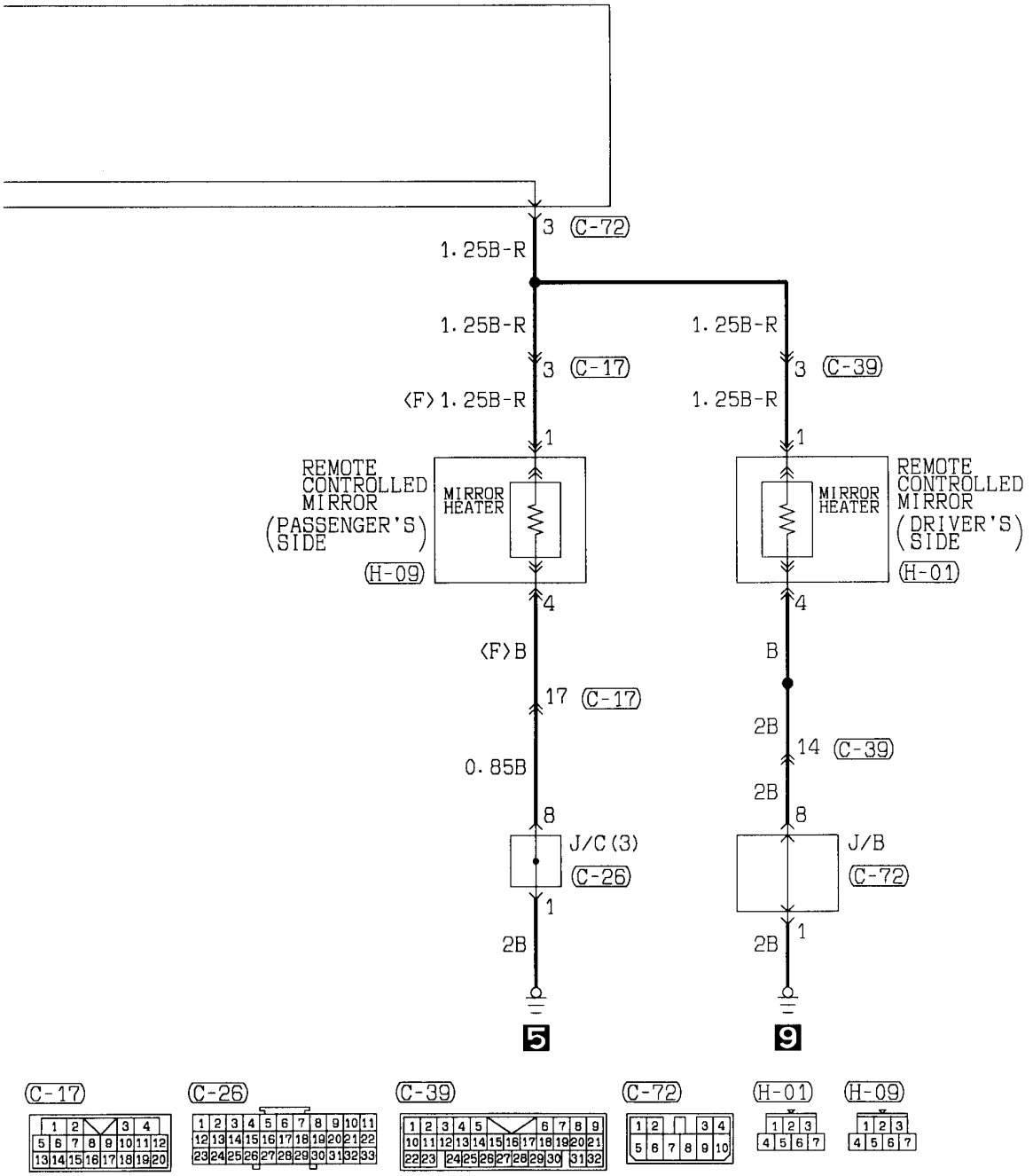
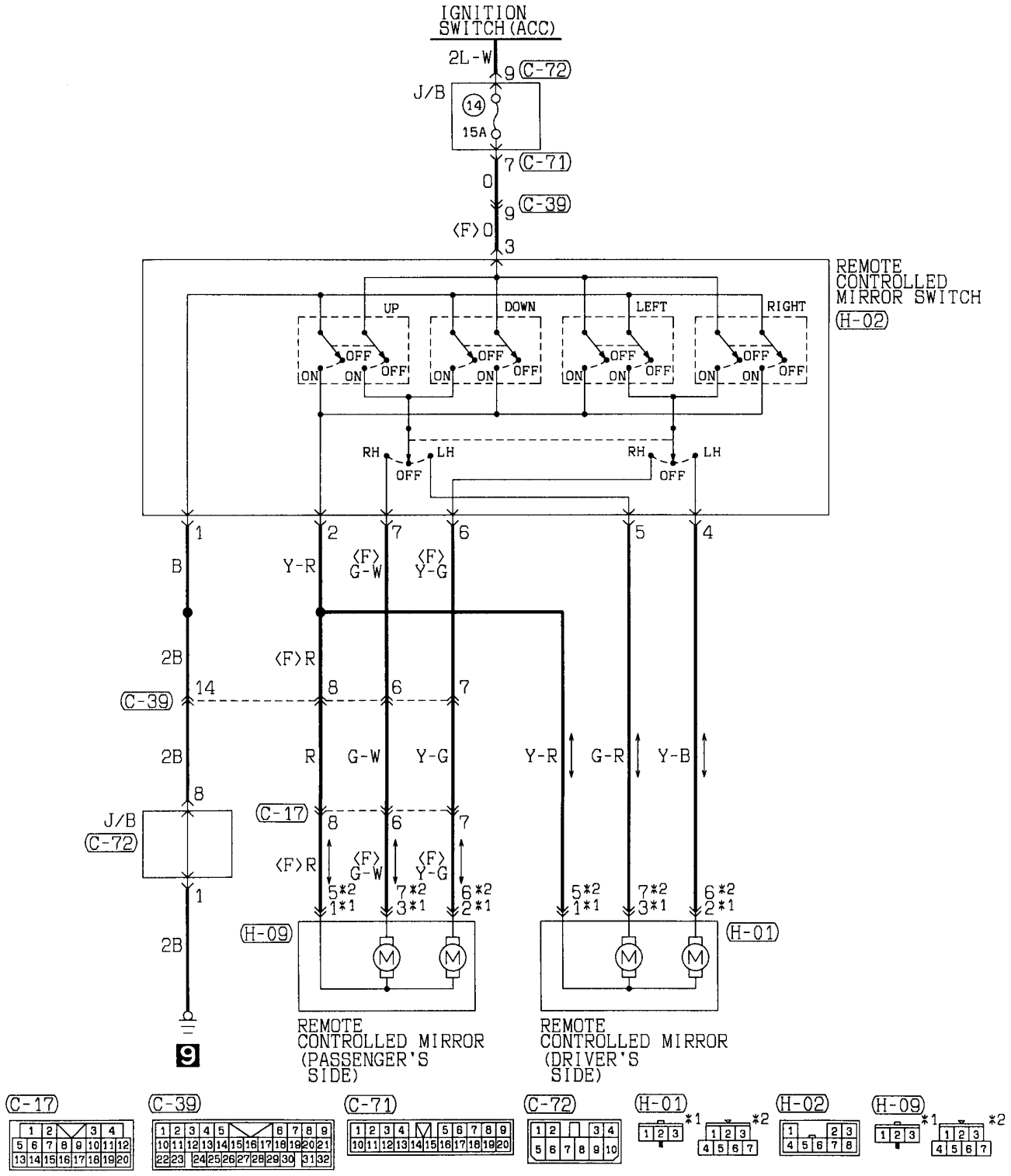

3 C-72
1.25B-R
1.25B-R
3 C-17
<F> 1.25B-R
1
REMOTE CONTROLLED MIRROR (PASSENGER'S SIDE)
H-09
MIRROR HEATER
4
<F> B
17 C-17
0.85B
8
J/C (3)
C-26
1
2B
5
1.25B-R
3 C-39
1.25B-R
1
REMOTE CONTROLLED MIRROR (DRIVER'S SIDE)
H-01
MIRROR HEATER
4
B
2B
14 C-39
2B
8
J/B
C-72
1
2B
9

C-17
C-26
C-39
C-72
H-01
H-09

HW13E00AB

REMOTE CONTROLLED MIRROR



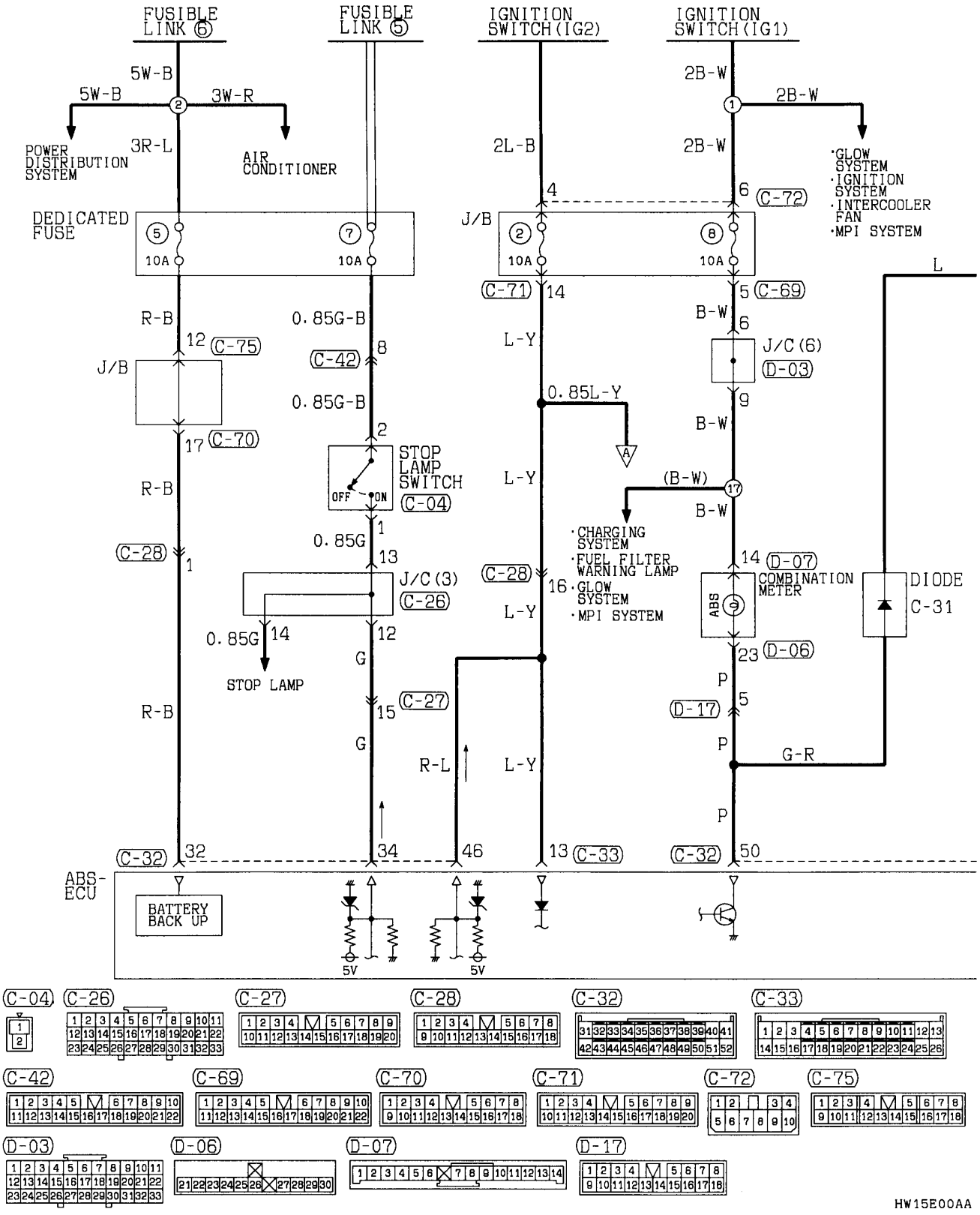
Remarks
*1:WITHOUT DOOR MIRROR HEATER.
*2:WITH DOOR MIRROR HEATER.

HW13E01AA

NOTES

ANTI-LOCK BRAKING SYSTEM (ABS)

L.H. drive vehicles <4WD>



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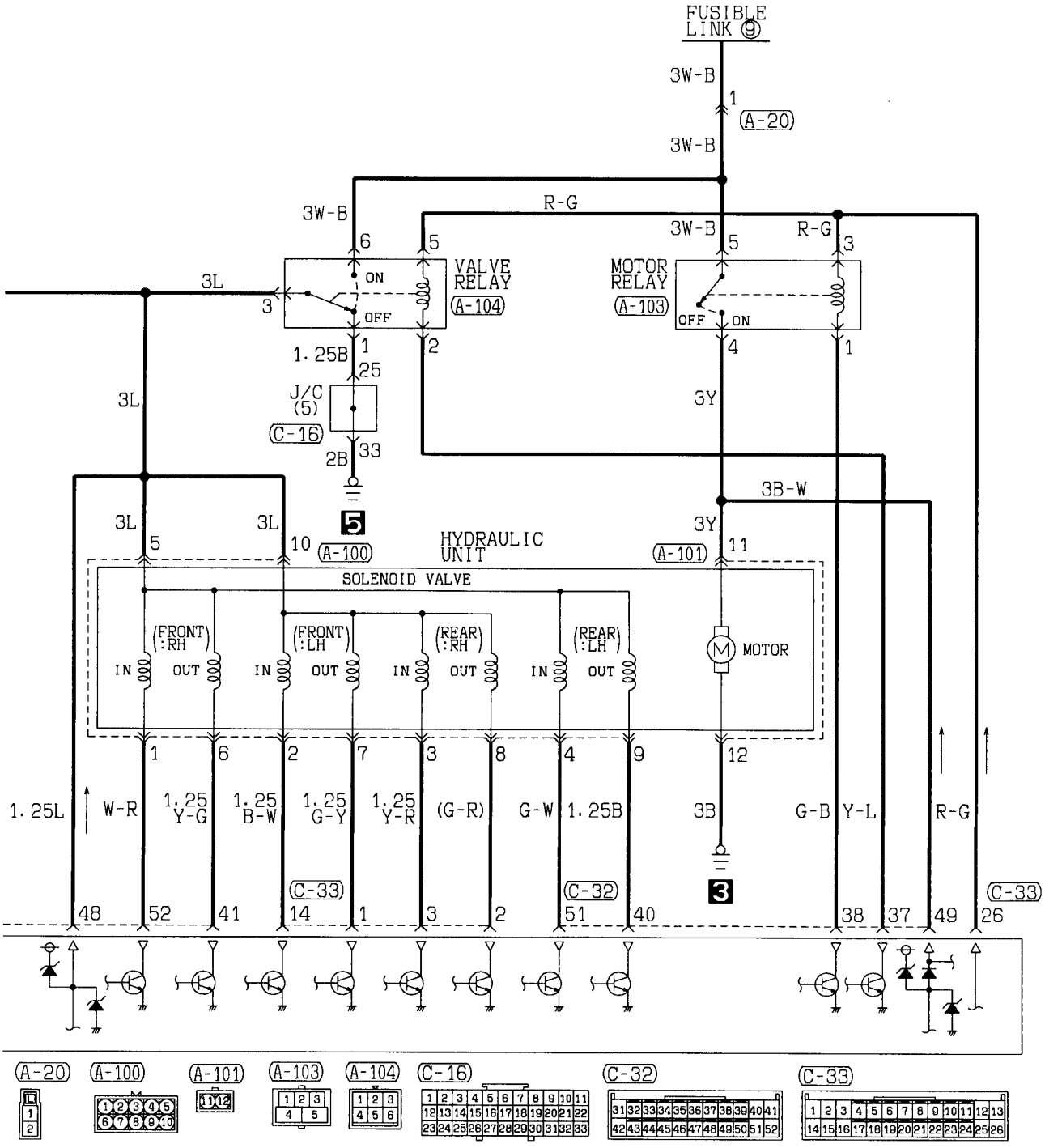
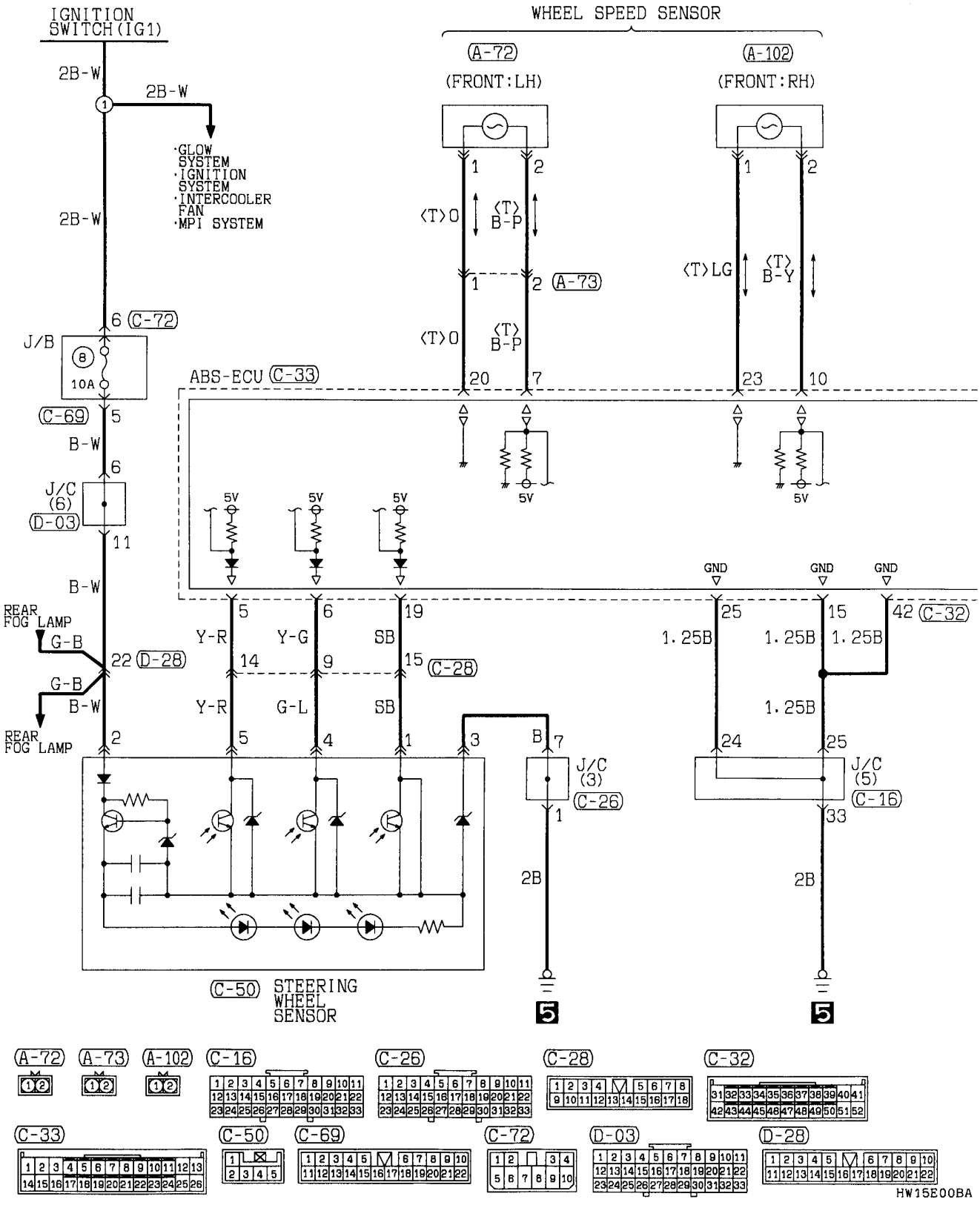


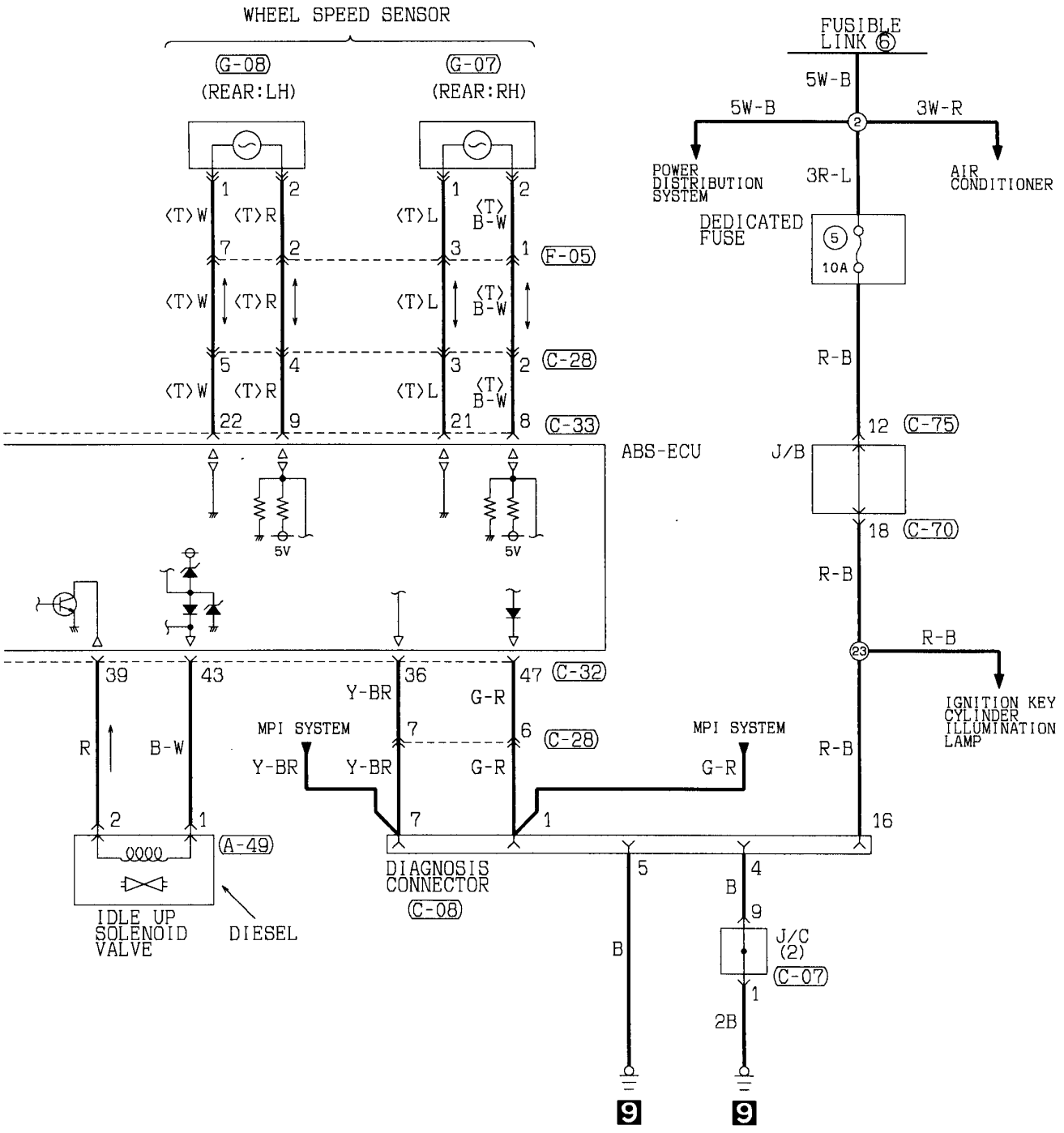
Wire colour code

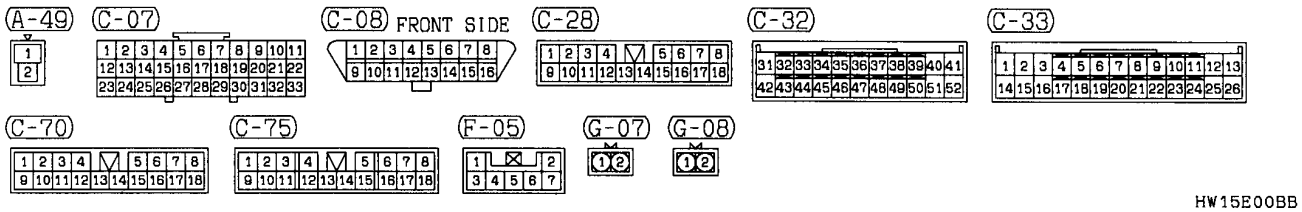
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

HW15E00AB

ANTI-LOCK BRAKING SYSTEM <L.H. drive vehicles (4WD)> (CONTINUED)

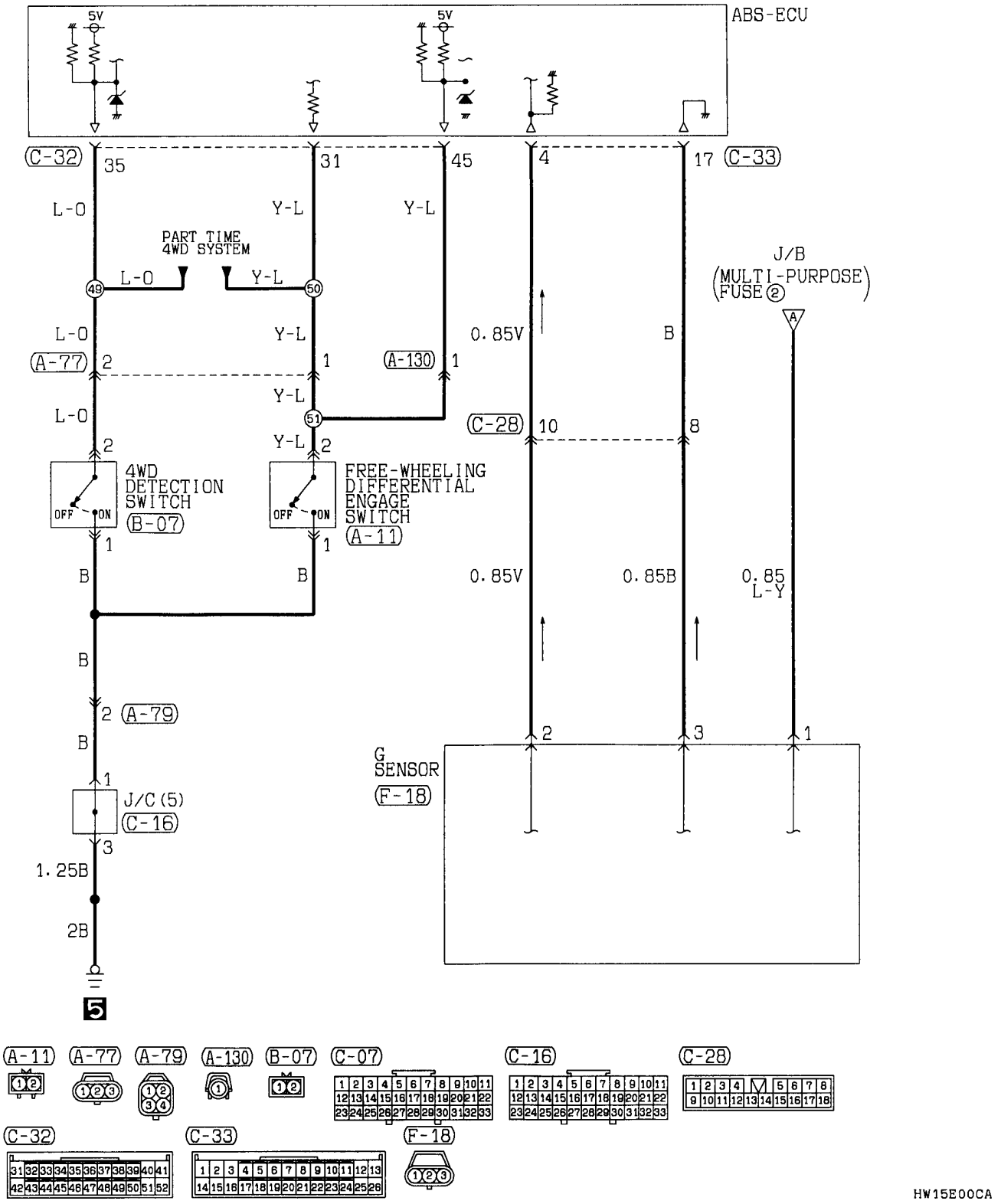



WHEEL SPEED SENSOR
G-08
(REAR:LH)
G-07
(REAR:RH)
FUSIBLE LINK 6
5W-B
5W-B
3W-R
POWER DISTRIBUTION SYSTEM
3R-L
AIR CONDITIONER
DEDICATED FUSE
10A
R-B
12 C-75
J/B
18 C-70
R-B
R-B
IGNITION KEY CYLINDER ILLUMINATION LAMP
ABS-ECU
5V
5V
F-05
C-28
C-33
C-32
MPI SYSTEM
MPI SYSTEM
Y-BR
Y-BR
G-R
G-R
R
B-W
A-49
IDLE UP SOLENOID VALVE
DIESEL
DIAGNOSIS CONNECTOR
C-08
B
J/C (2)
C-07
2B
9
9


A-49
C-07
C-08 FRONT SIDE
C-28
C-32
C-33
C-70
C-75
F-05
G-07
G-08

HW15E00BB

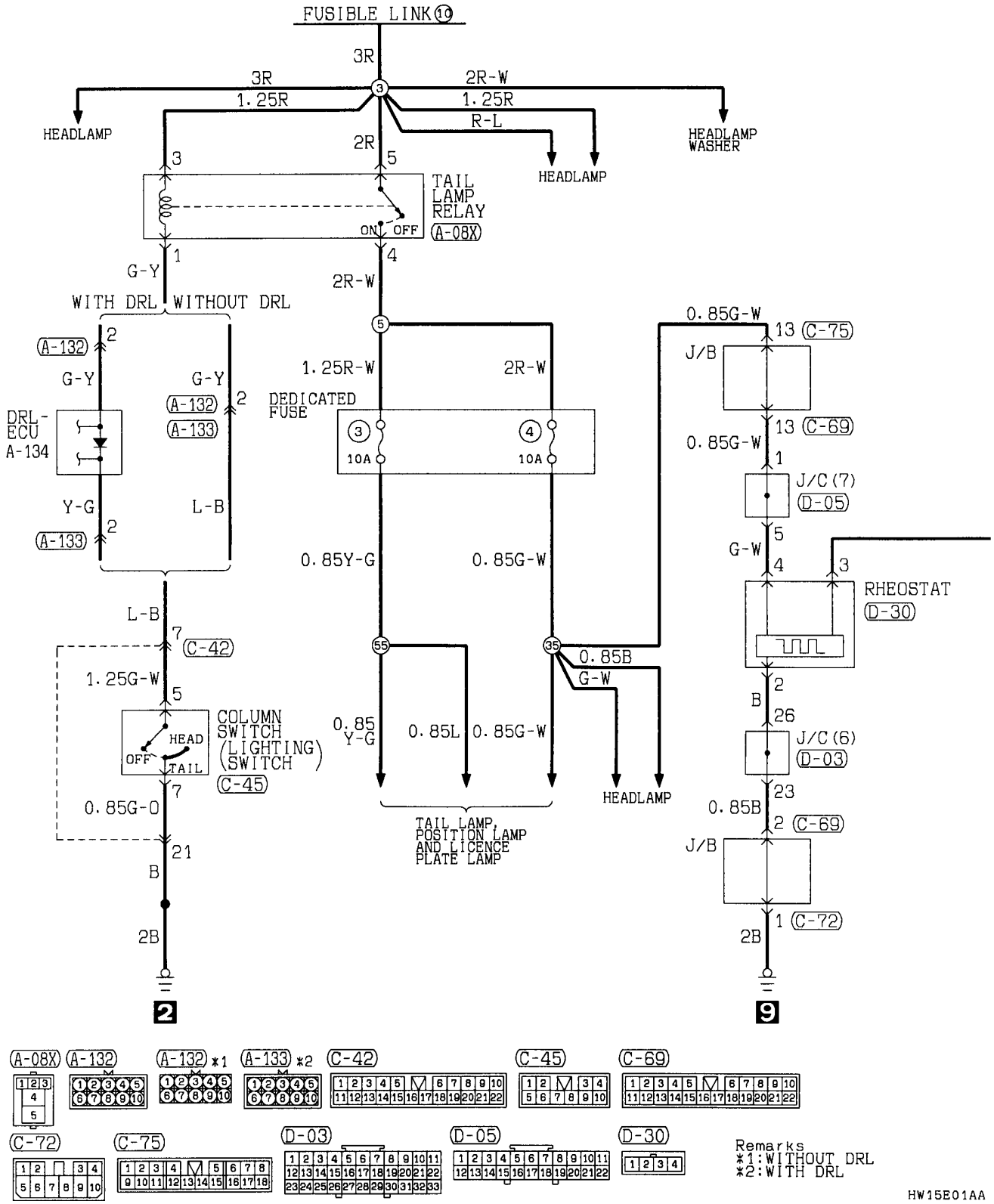
ANTI-LOCK BRAKING SYSTEM <L.H. drive vehicles (4WD)> (CONTINUED)

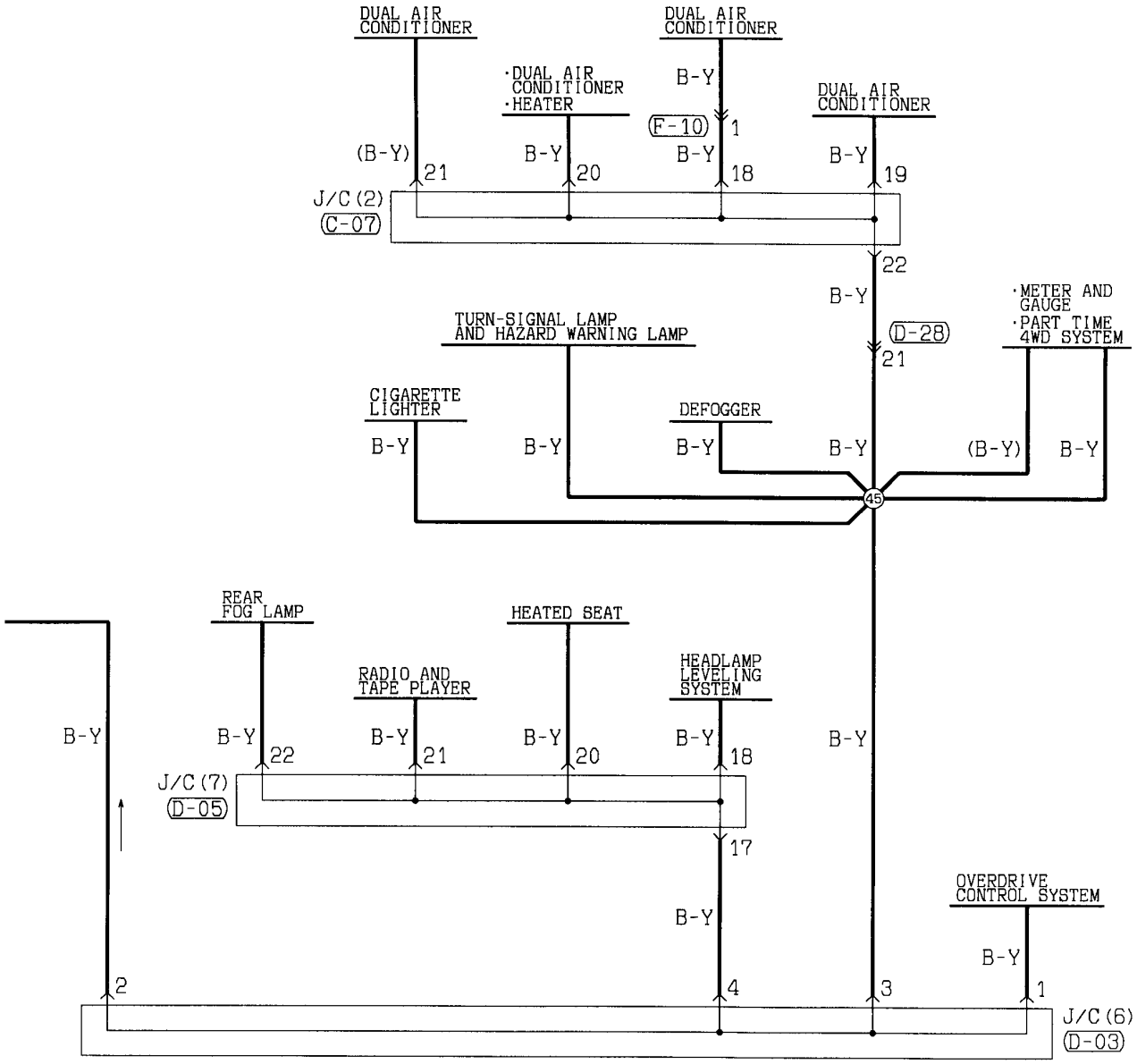


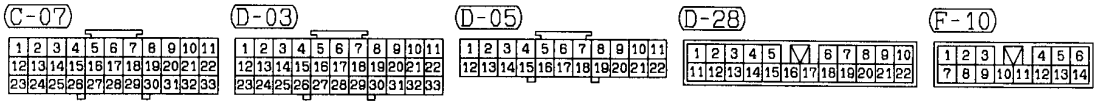
HW15E00CA

NOTES

RHEOSTAT


FUSIBLE LINK (10)
3R
3R
1.25R
2R-W
1.25R
R-L
HEADLAMP
HEADLAMP WASHER
HEADLAMP
2R
TAIL LAMP RELAY
(A-08X)
ON
OFF
G-Y
2R-W
WITH DRL
WITHOUT DRL
(A-132)
G-Y
G-Y
(A-132)
(A-133)
DRL-ECU A-134
Y-G
L-B
(A-133)
1.25R-W
2R-W
DEDICATED FUSE
10A
10A
0.85Y-G
0.85G-W
L-B
(C-42)
1.25G-W
COLUMN SWITCH (LIGHTING SWITCH)
(C-45)
HEAD
TAIL
OFF
0.85G-O
0.85
Y-G
0.85L
0.85G-W
0.85G-W
(C-75)
J/B
(C-69)
0.85G-W
J/C (7)
(D-05)
G-W
RHEOSTAT
(D-30)
0.85B
G-W
B
J/C (6)
(D-03)
0.85B
(C-69)
J/B
(C-72)
2B
HEADLAMP
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP
2
9
(A-08X)
(A-132)
(A-132) *1
(A-133) *2
(C-42)
(C-45)
(C-69)
(C-72)
(C-75)
(D-03)
(D-05)
(D-30)
Remarks
*1:WITHOUT DRL
*2:WITH DRL
HW15E01AA





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

HW15E01AB

RJCR511002-24