

SUBARU®

E-BD2 E-BG2

E-BD3 E-BG3

E-BD4 E-BG4

E-BD5 E-BG5

E-BD9 E-BGA

E-BG9

E-BGC

NEW LEGACY

電 氣 配 線 図 集

'97.9

X2101A

LEGACY

FOREWORD

This manual contains the wiring diagrams, harness routing diagrams and connector location diagrams for each LEGACY circuit.

Please understand the structure, functions, etc. described in this manual and in other technical materials, and make use of them in your service work.

In addition to this manual, the following publications are available; please use them as well.

LEGACY Owner's Manual	'93.10 U2061A
LEGACY Owner's Manual Overview	'93.10 U2062A
LEGACY Service Manual, Vol. 1	'93.10 G2061A
LEGACY Service Manual, Vol. 2	'93.10 G2062A
LEGACY Service Manual, Vol. 3	'93.10 G2063A
LEGACY Wiring Diagram Manual	'93.10 X2061A
LEGACY Owner's Manual (additional models)	'94. 6 U2071A
LEGACY Operation Manual (additional models)	'94. 6 G2071A
LEGACY Wiring Diagram Manual (additional models)	'94. 6 X2071A
LEGACY Operation Manual (additional models)	'94. 10 U2072A
LEGACY Service Manual (additional models)	'94. 10 G2072A
LEGACY Wiring Diagram Manual (additional models)	'94. 10 X2072A
LEGACY New Model Introduction	'95. 8 U2081A
LEGACY Wiring Diagram Manual	'95. 8 X2081A
LEGACY New Model Introduction (Grand Wagon)	'95. 9 U2082A
LEGACY New Model Introduction	'96. 6 U2091A
LEGACY Service Manual	'96. 6 G2091A
LEGACY Wiring Diagram Manual	'96. 6 X2091A
LEGACY New Model Introduction	'97. 8 U2101A
LEGACY Service Manual	'97. 8 G2101A
LEGACY Troubleshooting Certification Manual	'97. 8 P2101A

The contents of this manual are based on vehicles produced as of September 1997. Please note in advance that, due to later changes in vehicle specifications, the contents may not apply to future vehicles. If any specifications are changed in the future, technical information will be provided; you will be notified separately.

September 1997

FUJI HEAVY INDUSTRIES

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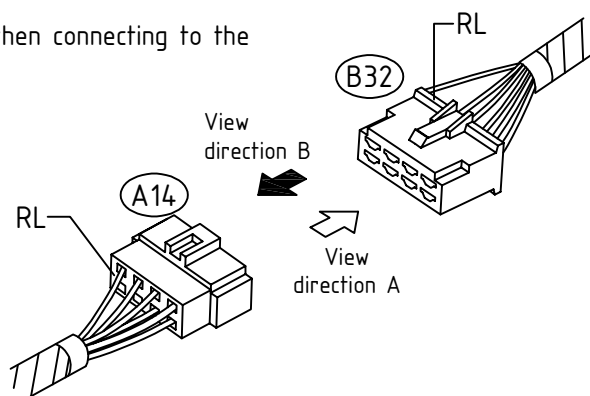
1. How to use this manual.

The text and diagrams of this manual show each connector's shape, number of terminals, male or female type, wire colour and so on. Read the example below before use.

NOTE

- 1) Modifying the wiring or electrical components can set the vehicle on fire. Never use the existing wiring to power aftermarket electrical equipment, except at the designated points (spare terminals).
- 2) Always keep within the maximum rated power when connecting to the designated points (spare terminals).

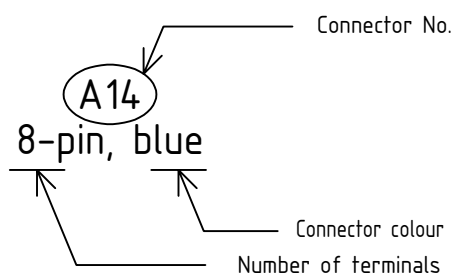
1. Reading a connector.
Connector terminals are generally shown as seen from the harness side, and on the wiring diagram with the view direction marked.



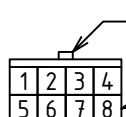
2. Connector symbols on the diagrams.
Male connectors are drawn in a single frame, female connectors in a double frame.

The number of squares in a connector is its number of terminals; the figure in each square is the terminal number.

The raised tab shows the connector lock.



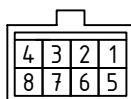
View direction A



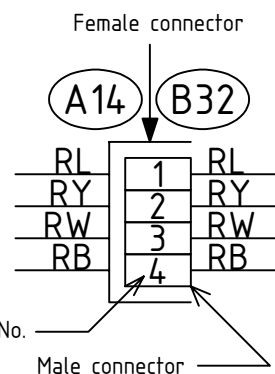
Lock

Single frame
(male connector)

View direction B



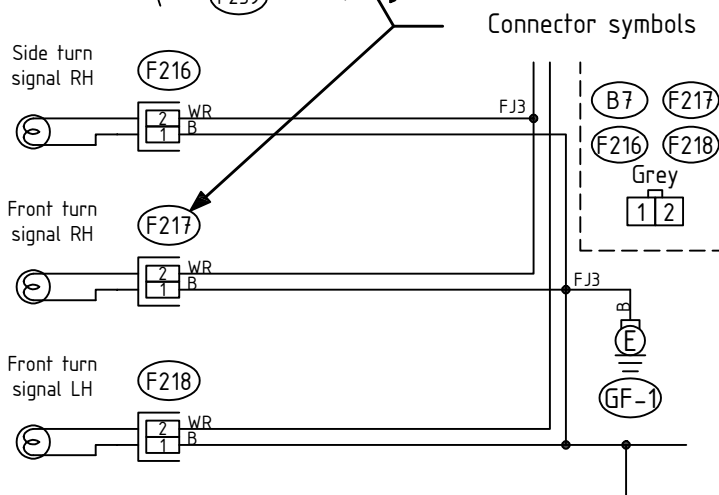
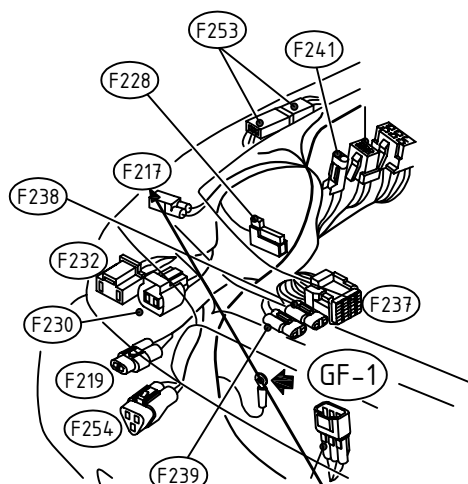
Double frame
(female connector)



3. Connector symbols and numbers.
Connector symbols and numbers in the wiring diagrams match those in the harness routing diagrams.

The location of each connector in the wiring diagram is shown in the harness routing diagram. Connectors are divided into groups; see the connector group table below.

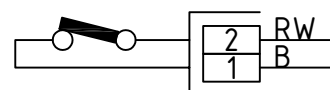
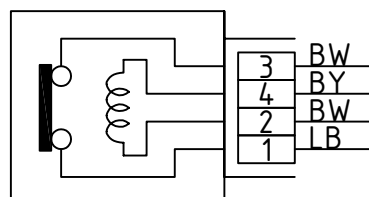
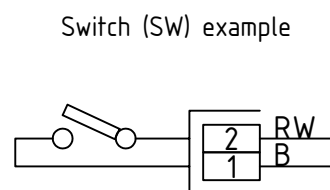
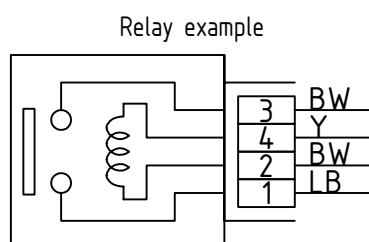
Group	Name
F	Front harness
E	Engine and transmission harness
B	Bulkhead harness
i	Instrument panel harness
P	Floor and door harnesses
R	Rear and rear gate harness



4. Switch (SW) and relay symbols.
All wiring diagrams, including all switches (SW) and relays, are shown with the power OFF (no voltage applied).

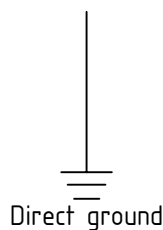
NO (Normal Open) - Normally open contact (open when not energized)

NC (Normal Close) - Normally closed contact (closed when not energized)

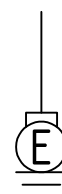


5. Ground symbol.

The ground symbol in the wiring diagrams takes one of two forms (see figure at right); the actual ground location is shown in the harness routing diagram.



Direct ground



Ground terminal

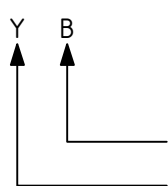
(GF1)	(GF2)	Ground (front harness)
(GE)		Engine ground
(GB-1)	(GB-3)	Ground (bulkhead harness)
(GB-2)	(GB-4)	Ground (airbag)
(GP1)	(GP2)	Ground (floor harness)
(GR)		Ground (radio)
(Gi1)		Ground (combination meter)
(GR1)	(GR2)	Ground (rear harness)
(GD)		Ground (rear defogger)

6. Wire colours in the diagrams.

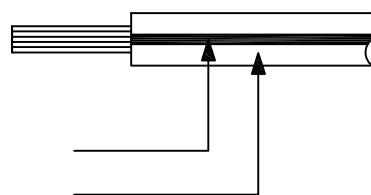
Colour code	L	B	Y	G	R	W	Br	Lg	O	Sb	Gr	P
Colour	Blue	Black	Yellow	Green	Red	White	Brown	Light green	Orange	Light blue	Grey	Pink

Two-colour wires are indicated by two letters: the first shows the base colour and the second shows the stripe colour.

Example:



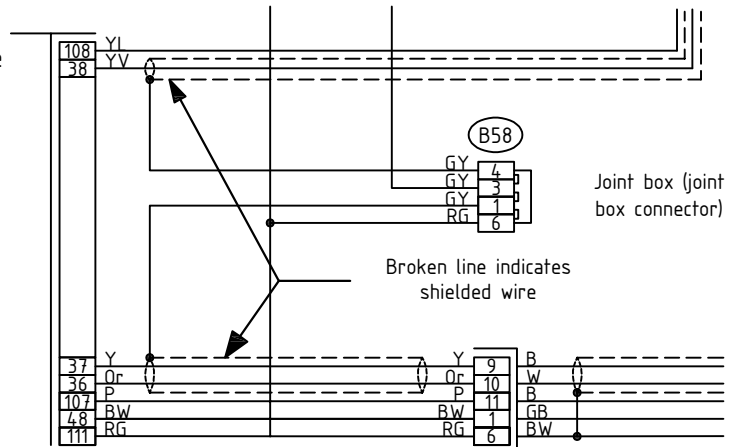
Stripe colour (black)
Base colour (yellow)



7. Shielded wire symbols.

Shielded wire is used for some control modules to prevent radio interference, and is shown in the diagrams as in the figure on the right.

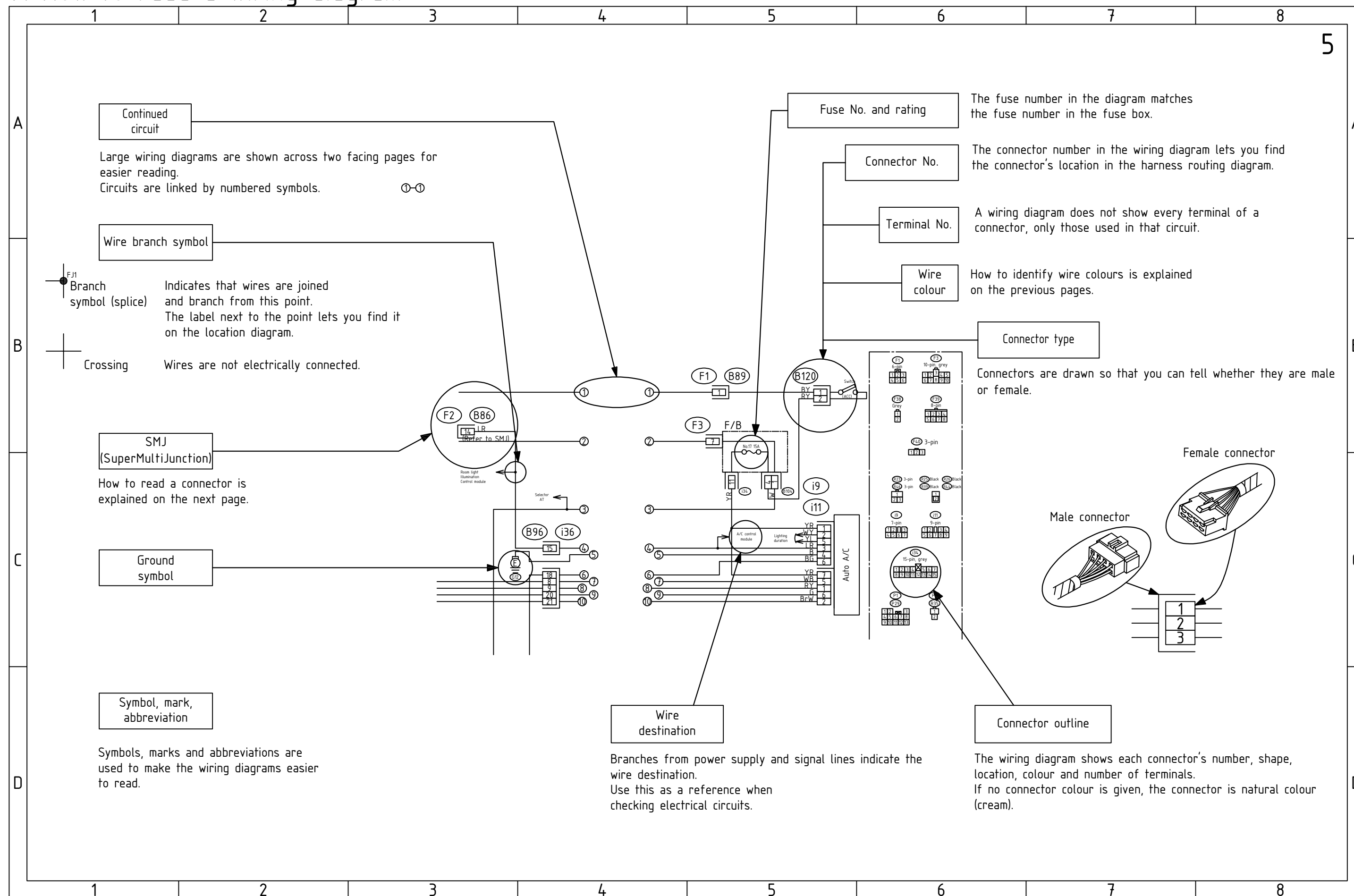
A shielded wire is a vinyl-insulated wire covered with a metal braid. The braid is grounded to prevent electrostatic coupling with external sources.



8. Abbreviations.

Abbreviation	Meaning	Abbreviation	Meaning
IG	Ignition	A/S	Air suspension
ACC	Accessory	A/C	Air conditioner
ST	Starter	PASS	Flash
B	Battery	MG	Magnet
E	Ground	WASH	Washer
LH	Left	D, DN	Down
RH	Right	U, UP	Up
ABS	Anti-lock brake system	AD	Automatic OFF
SBF	Fuse	AU	Automatic ON
ISC	Idle speed control	Lo	Low
M	Motor	Mi	Medium
SW	Switch	INT	Intermittent
OP	Open	FRE/REC	Damper open/close
AT	Automatic transmission	MT	Manual transmission
SMJ	Large bolt-type connector	S	Shaft
M/B	Main fuse box	SR	Sunroof
F/B	Fuse & relay box	F	Front
TCS	Traction control system	R	Rear
		AB	Airbag

9. How to read a wiring diagram



How to read SMJ connectors

12345678

SMJ

Bulkhead harness side

Front harness side

B94 40-pin, grey

31	23	19	11	1
32	24		12	2
33	25	20	13	3
34	26		14	4
35				5
36				6
37	27		15	7
38	28	21	16	8
39	29		17	9
40	30	22	18	10

F201 40-pin, grey

1	11	19	23	31
2	12		24	32
3	13	20	25	33
4	14		26	34
5				35
6				36
7	15		27	37
8	16	21	28	38
9	17		29	39
10	18	22	30	40

SMJ connector (Super Multiple Junction)

Bulkhead harness side

Front harness side

Bulkhead harness side

Front harness side

(Refer to SMJ)

18 BG
28 RW
46 Y
47 RB
44 WR
45

The SMJ is an extra-large 40-terminal connector that connects the front harness to the bulkhead harness.

The connectors are under the instrument panel, below the combination meter.

Locating terminals in the SMJ connector

SMJ connector diagrams are not shown in every wiring diagram.

To find the terminal positions of the SMJ connector on any diagram, fold this page out to the left.

Precautions for SMJ connectors

1. Align the notches on the connector firmly, then tighten the bolt.

2. Do not overtighten the connecting bolt.

(Refer to SMJ)

B94 F201

Y BW Y BW

Male - bulkhead harness side

Female - front harness side

B94

31	23	19	11	1
32	24		12	2
33	25	20	13	3
34	26		14	4
35				5
36				6
37	27		15	7
38	28	21	16	8
39	29		17	9
40	30	22	18	10

Y

BW

F201

1	11	19	23	31
2	12		24	32
3	13	20	25	33
4	14		26	34
5				35
6				36
7	15		27	37
8	16	21	28	38
9	17		29	39
10	18	22	30	40

Y

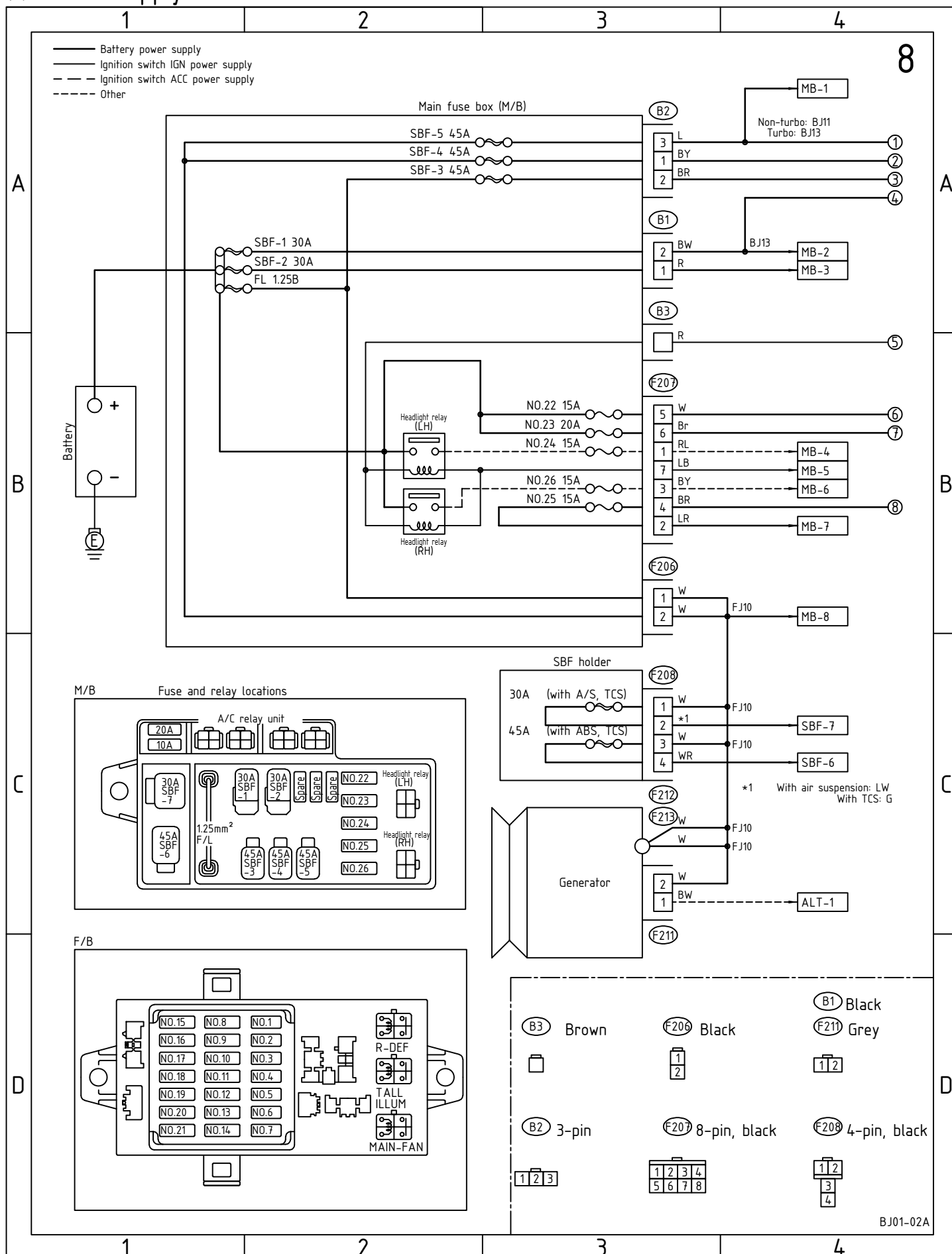
BW

Male - bulkhead harness side

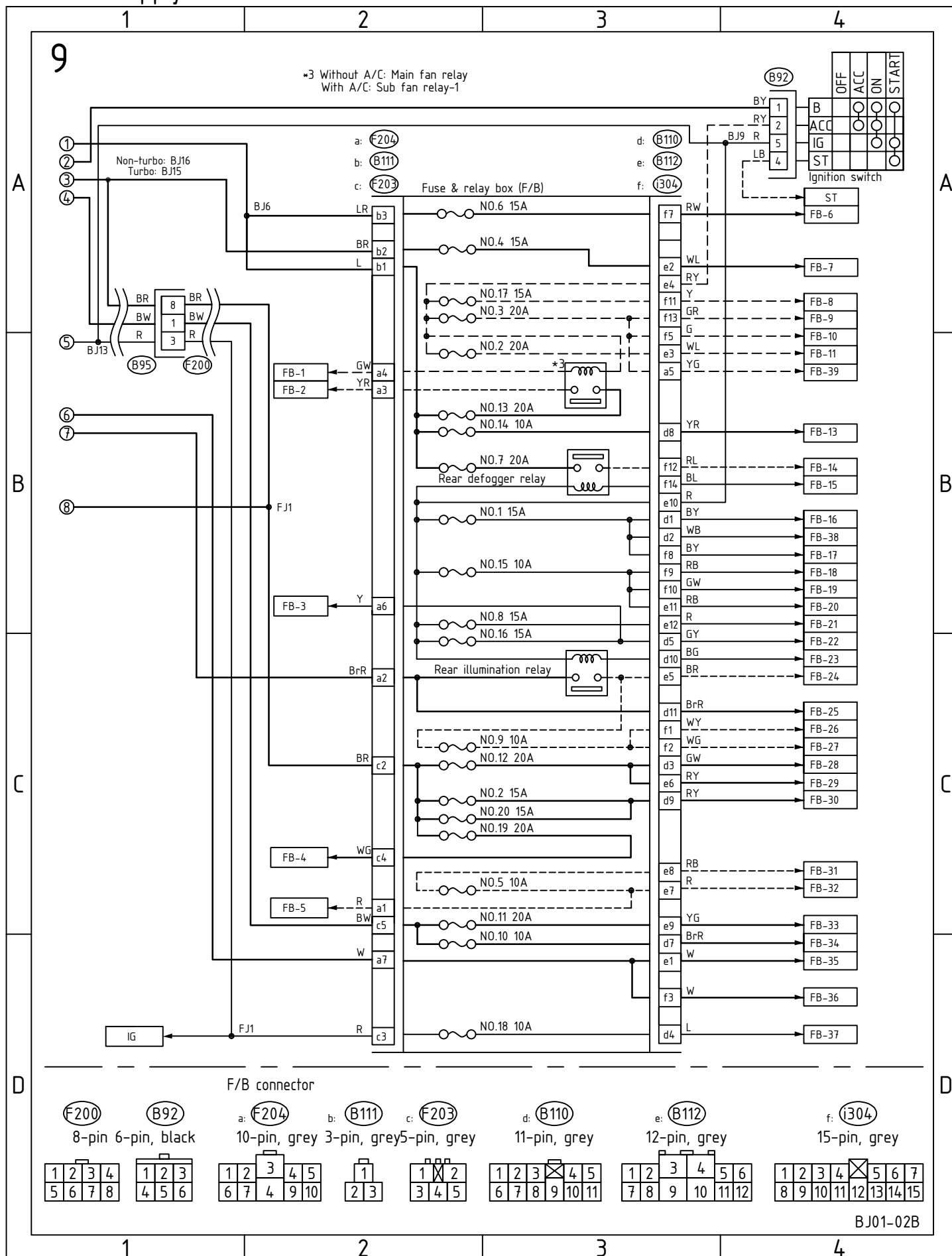
Female - front harness side

2. Wiring diagrams

(1) Power supply circuit



(1) Power supply circuit



10

	1	2	3	4																																											
A																																															
B		<table><tr><th>Nº</th><th>Load</th></tr><tr><td>MB-1</td><td>Fuse box F/B (luggage room fan and socket, seat heater)</td></tr><tr><td>MB-2</td><td>Power windows</td></tr><tr><td>MB-3</td><td>Ignition relay Fuel pump relay</td></tr><tr><td>MB-4</td><td>Headlight LH</td></tr><tr><td>MB-5</td><td>Illumination diode Cornering light diode</td></tr><tr><td>MB-6</td><td>Headlight RH Comb. meter (high beam indicator)</td></tr><tr><td>MB-7</td><td>Power steering Front and center room lights Luggage room light Auto A/C Keyless entry timer TV system Keyless entry control module Radio Air suspension control module Comb. meter (door open warning light) Navigation system</td></tr><tr><td>MB-8</td><td>A/C relay unit</td></tr><tr><td>SBF-6</td><td>ABS control module TCS main relay</td></tr><tr><td>SBF-7</td><td>Air suspension compressor TCS motor</td></tr><tr><td>ALT-1</td><td>Comb. meter (charge warning light)</td></tr><tr><td>IG</td><td>A/C relay unit</td></tr><tr><td>ST</td><td>Engine control module AT selector Starter (MT) TV system Cruise control module</td></tr><tr><td>FB-1</td><td>A/C relay unit</td></tr><tr><td>FB-2</td><td>Main fan relay Sub fan relay</td></tr><tr><td>FB-3</td><td>Engine control module AT control module Fuel pump relay Ignition coils</td></tr><tr><td>FB-4</td><td>ABS control module</td></tr><tr><td>FB-5</td><td>Front position lights</td></tr><tr><td>FB-6</td><td>Wiper deicer relay</td></tr><tr><td>FB-7</td><td>Fog relay</td></tr></table>	Nº	Load	MB-1	Fuse box F/B (luggage room fan and socket, seat heater)	MB-2	Power windows	MB-3	Ignition relay Fuel pump relay	MB-4	Headlight LH	MB-5	Illumination diode Cornering light diode	MB-6	Headlight RH Comb. meter (high beam indicator)	MB-7	Power steering Front and center room lights Luggage room light Auto A/C Keyless entry timer TV system Keyless entry control module Radio Air suspension control module Comb. meter (door open warning light) Navigation system	MB-8	A/C relay unit	SBF-6	ABS control module TCS main relay	SBF-7	Air suspension compressor TCS motor	ALT-1	Comb. meter (charge warning light)	IG	A/C relay unit	ST	Engine control module AT selector Starter (MT) TV system Cruise control module	FB-1	A/C relay unit	FB-2	Main fan relay Sub fan relay	FB-3	Engine control module AT control module Fuel pump relay Ignition coils	FB-4	ABS control module	FB-5	Front position lights	FB-6	Wiper deicer relay	FB-7	Fog relay			
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FB-19	Comb. meter (airbag circuit)																																														
D																																															
	1	2	3	4																																											

1

2

3

4

11

A

11

FB-20

Wiper deicer relay
Wiper deicer timer
Power window relay
Height control module
Height control SW
Fan relay
FRE/REC actuator
Check connector
Seat belt pretensioner
Sunroof relay

FB-21

Airbag control module

FB-22

Airbag control module

FB-23

Fog light SW
Combination SW (lighting SW)

FB-24

Position light SW (on steering column)

FB-25

Position light SW (on steering column)

FB-26

Lighting circuit

FB-27

Lighting circuit

FB-28

Brake SW
TCS control module
Stop light circuit

FB-29

Horn relay

FB-30

Fan relay

FB-31

Position light SW (on steering column)

FB-32

Stop lights
High-mount stop light

FB-33

Keyless entry timer
Keyless entry control module

FB-34

A/S compressor & exhaust solenoid valve
A/S compressor relay
A/S intake solenoid valve
A/S strut solenoid valves

FB-35

Key warning SW
Shift lock control module
Antenna

FB-36

Hazard SW

FB-37

ABS control module
Cruise control module
Cruise control main SW
Power steering

FB-38

Turn signal relay

FB-39

A/C relay unit

B

B

C

C

D

D

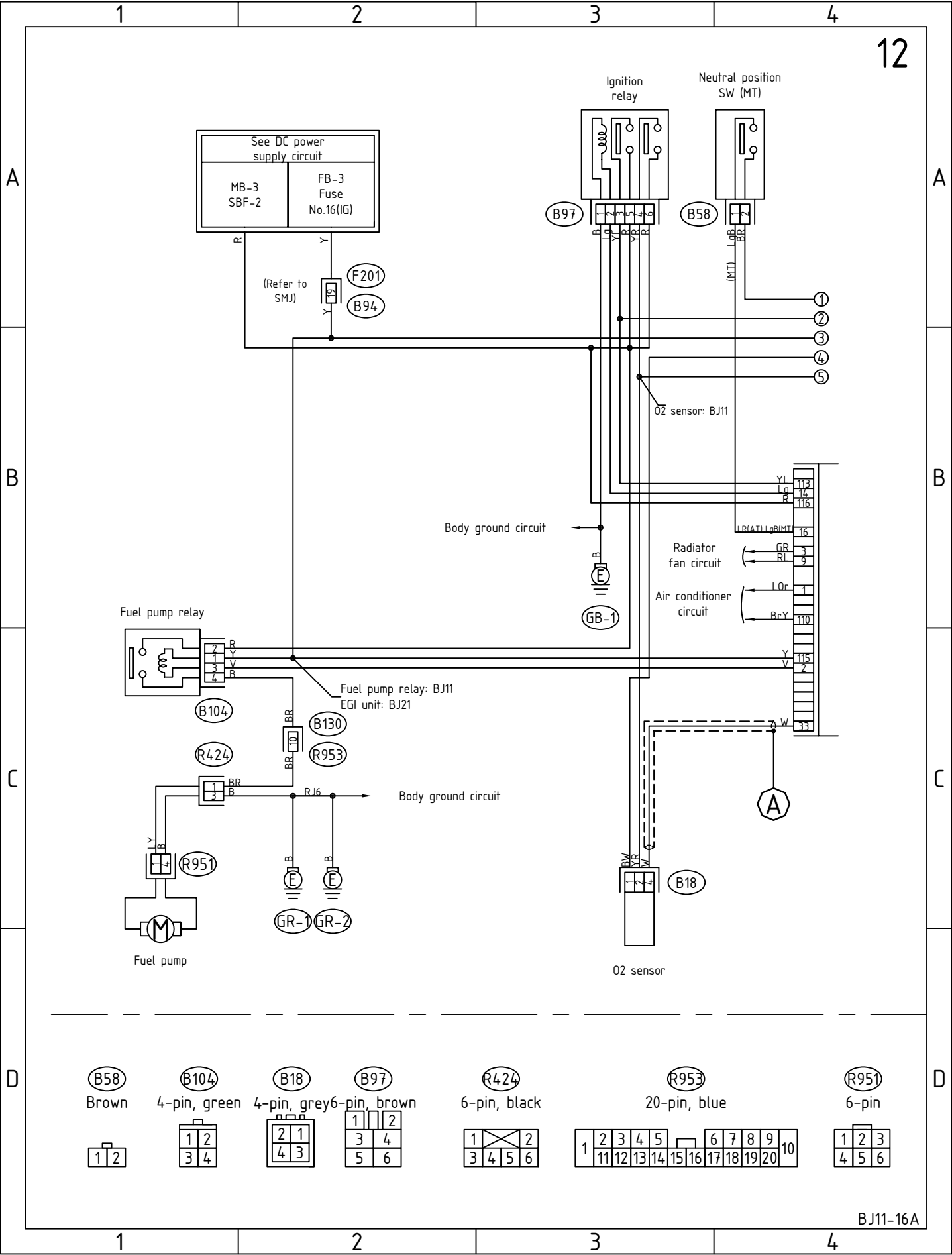
1

2

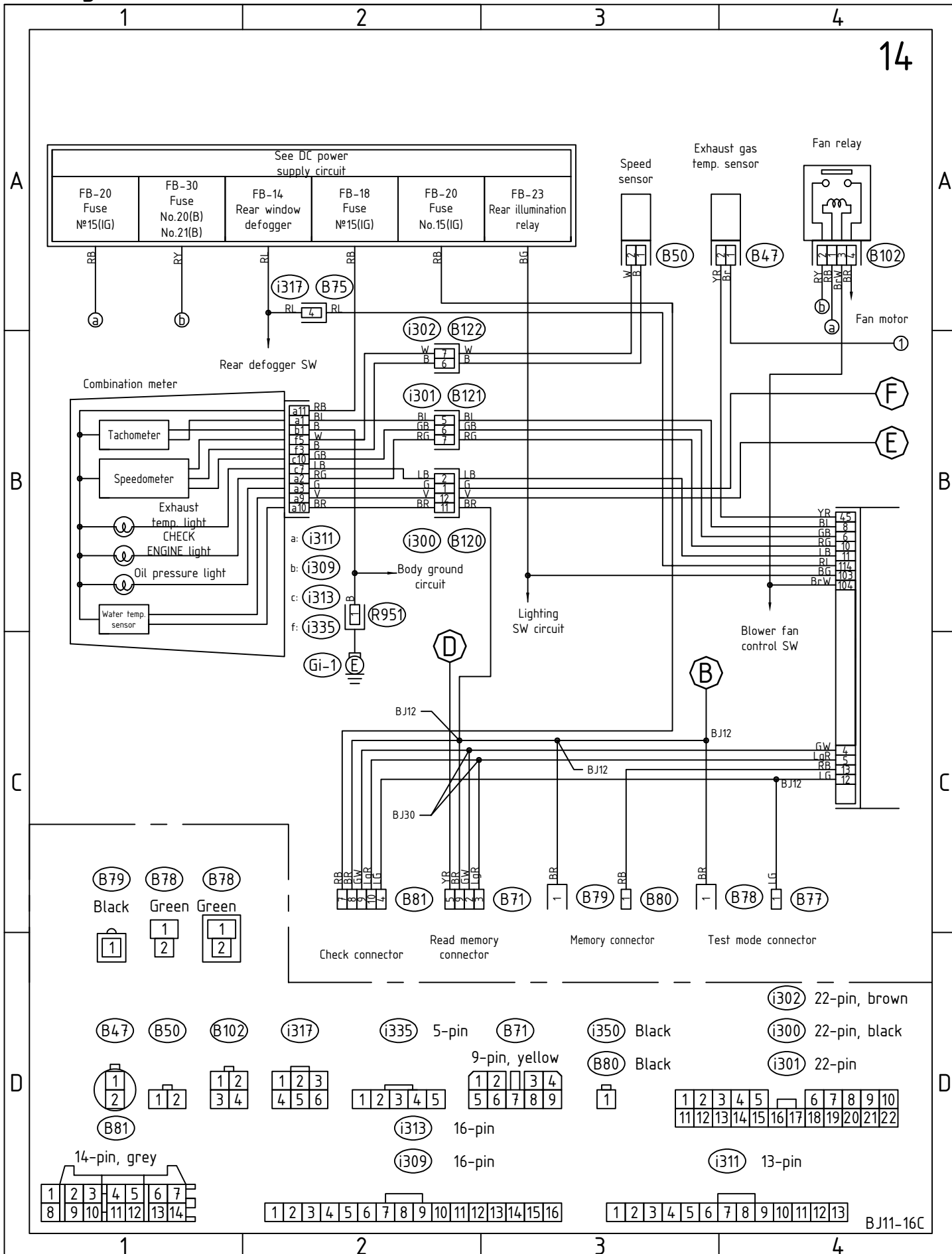
3

4

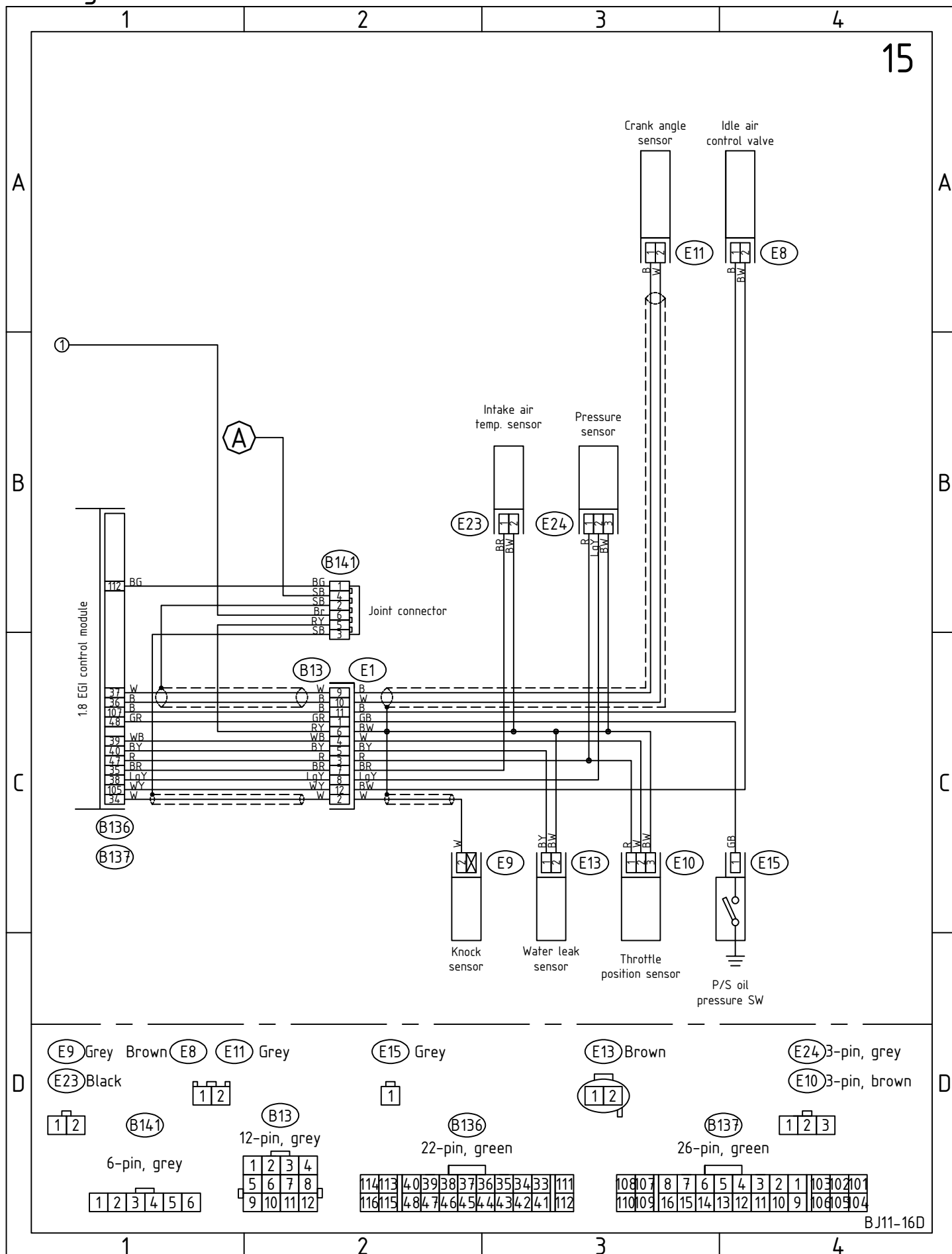
(2) Engine control circuit (1.8L MT)



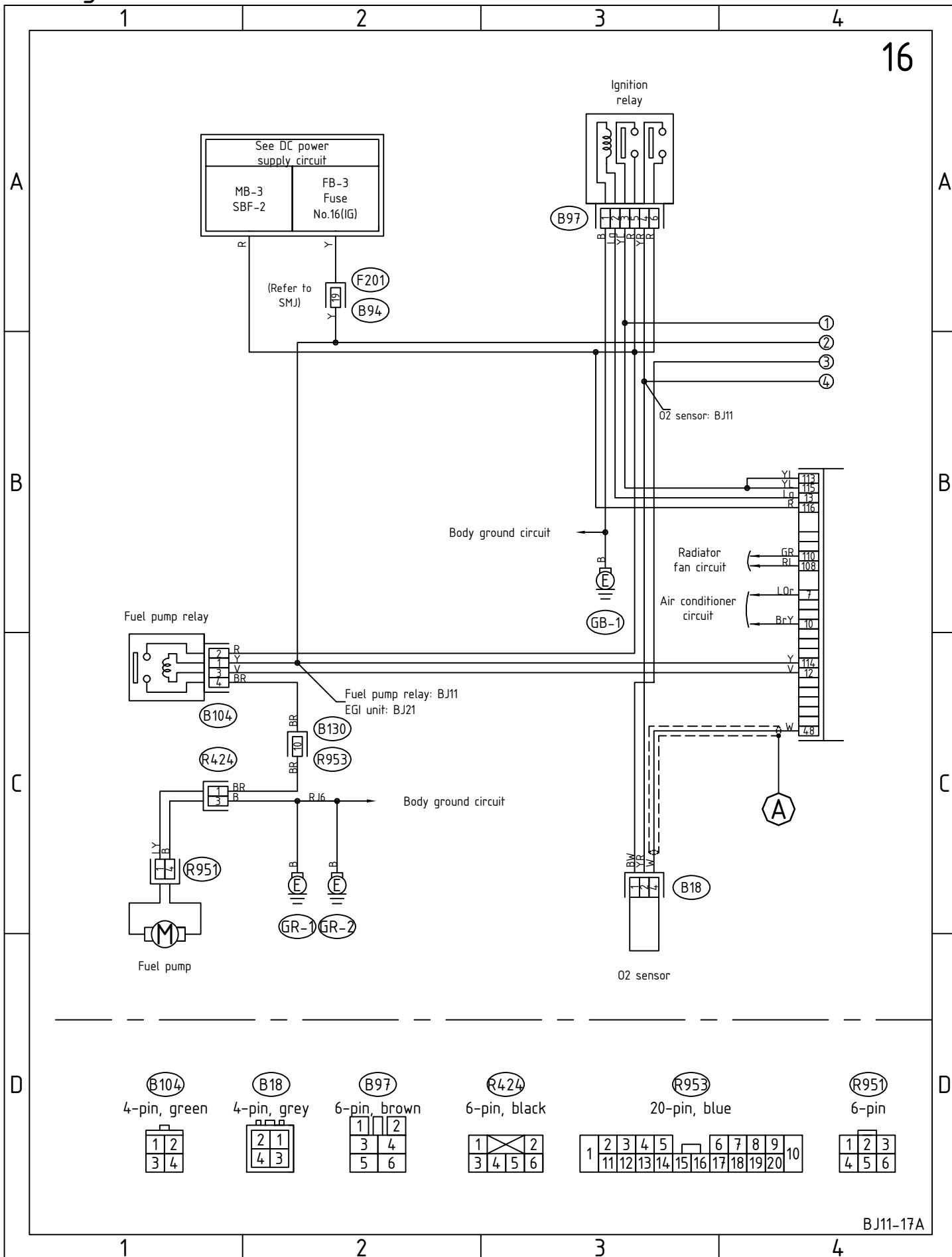
(2) Engine control circuit (1.8L MT)



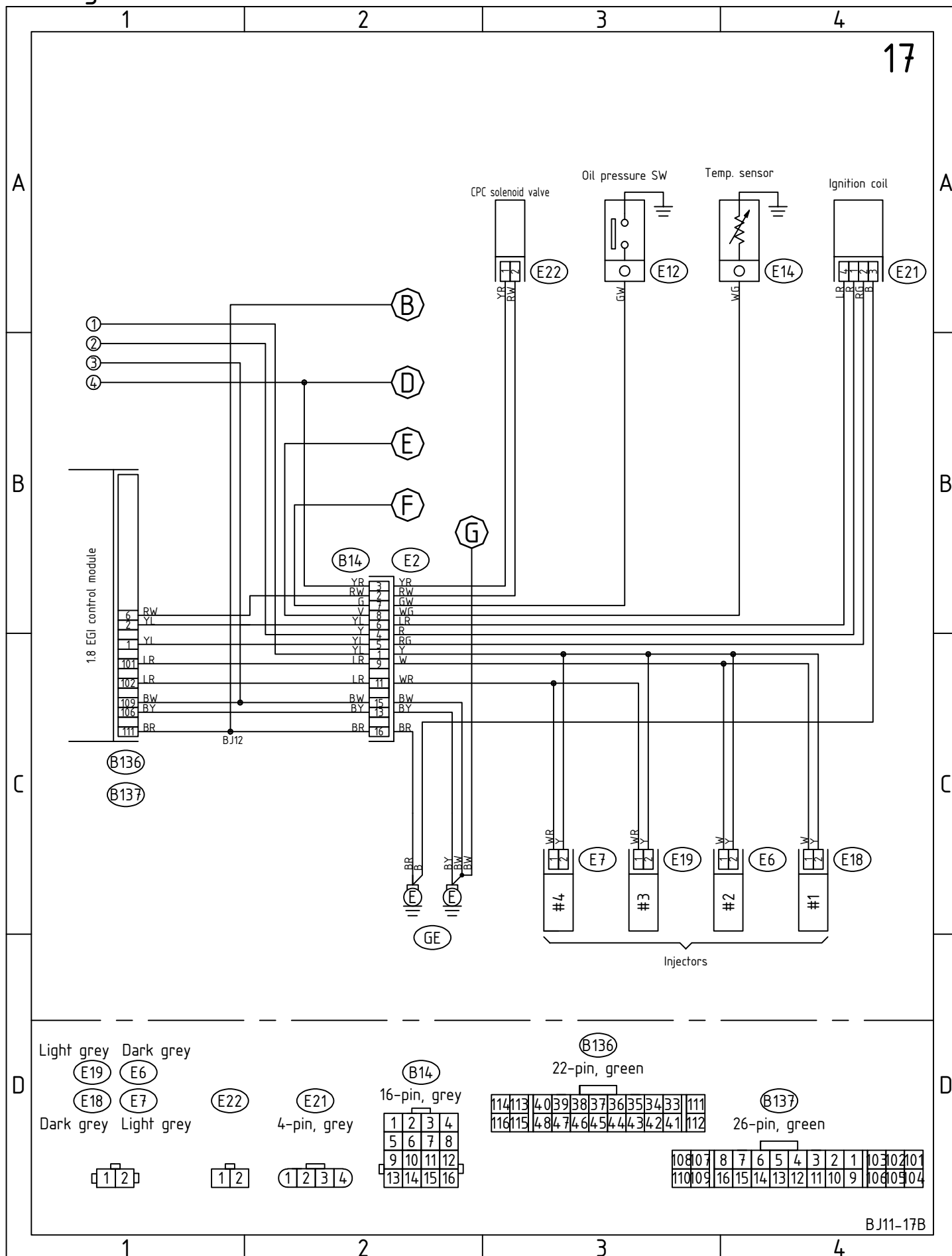
(2) Engine control circuit (1.8L MT)



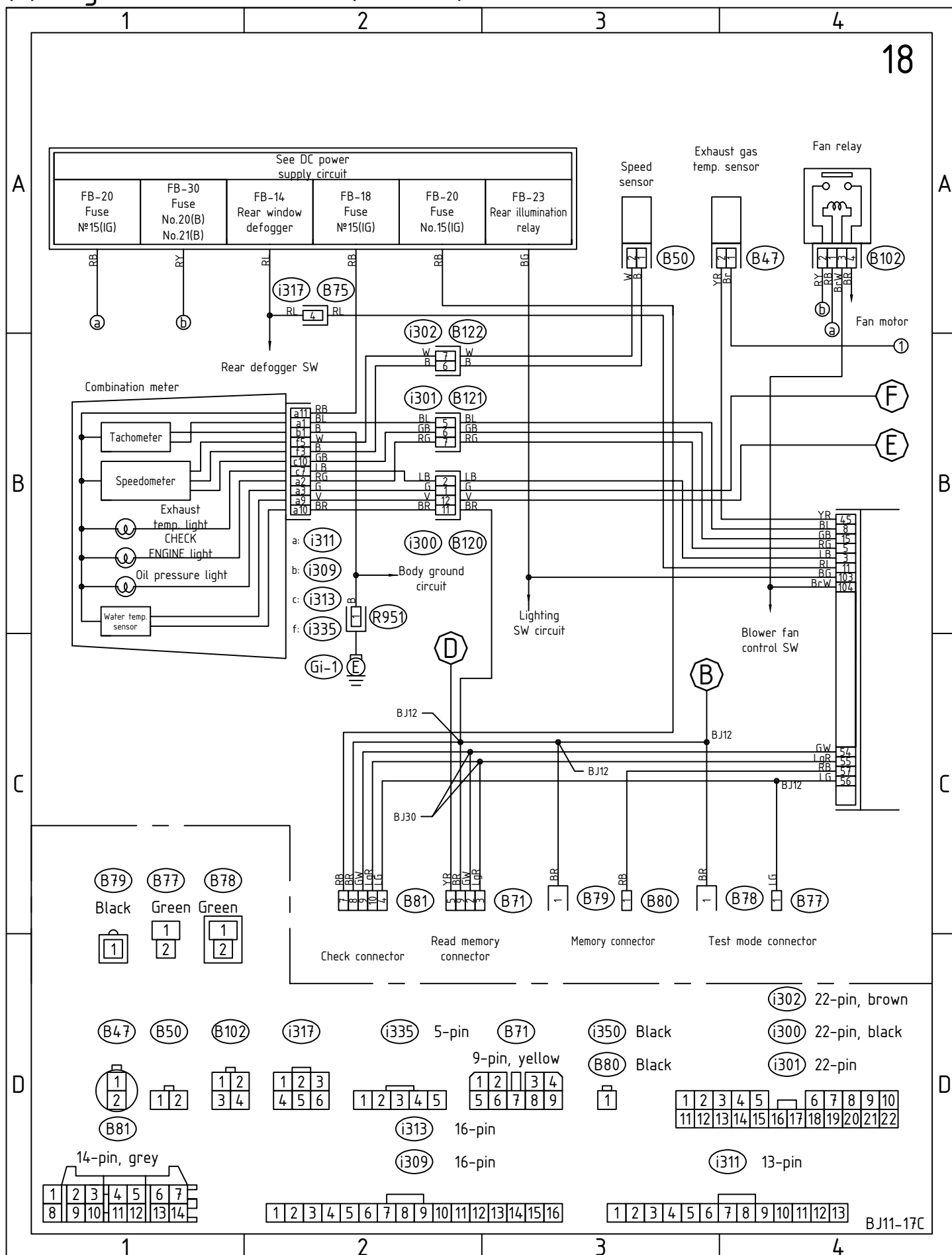
(3) Engine control circuit (1.8L AT)



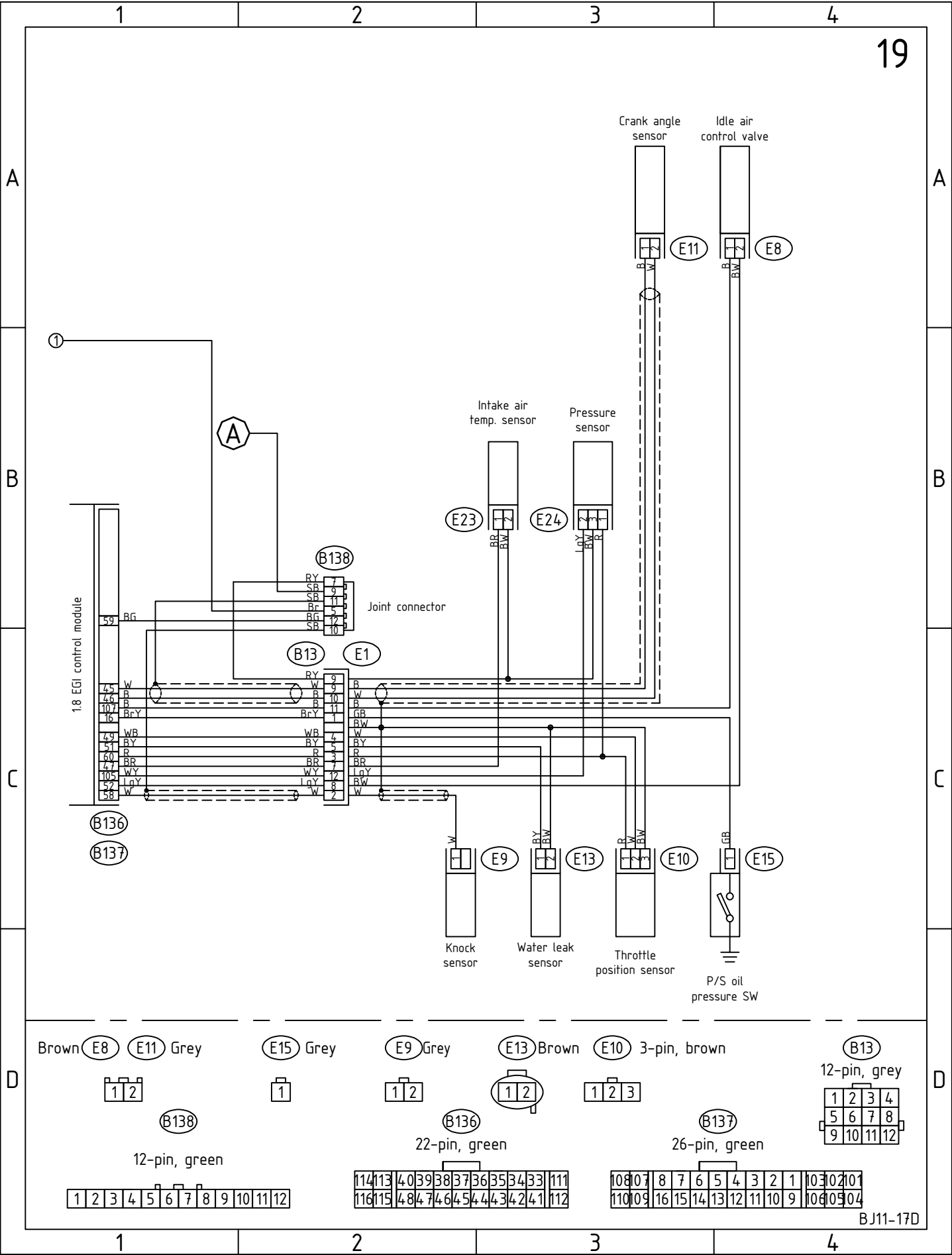
(3) Engine control circuit (1.8L AT)



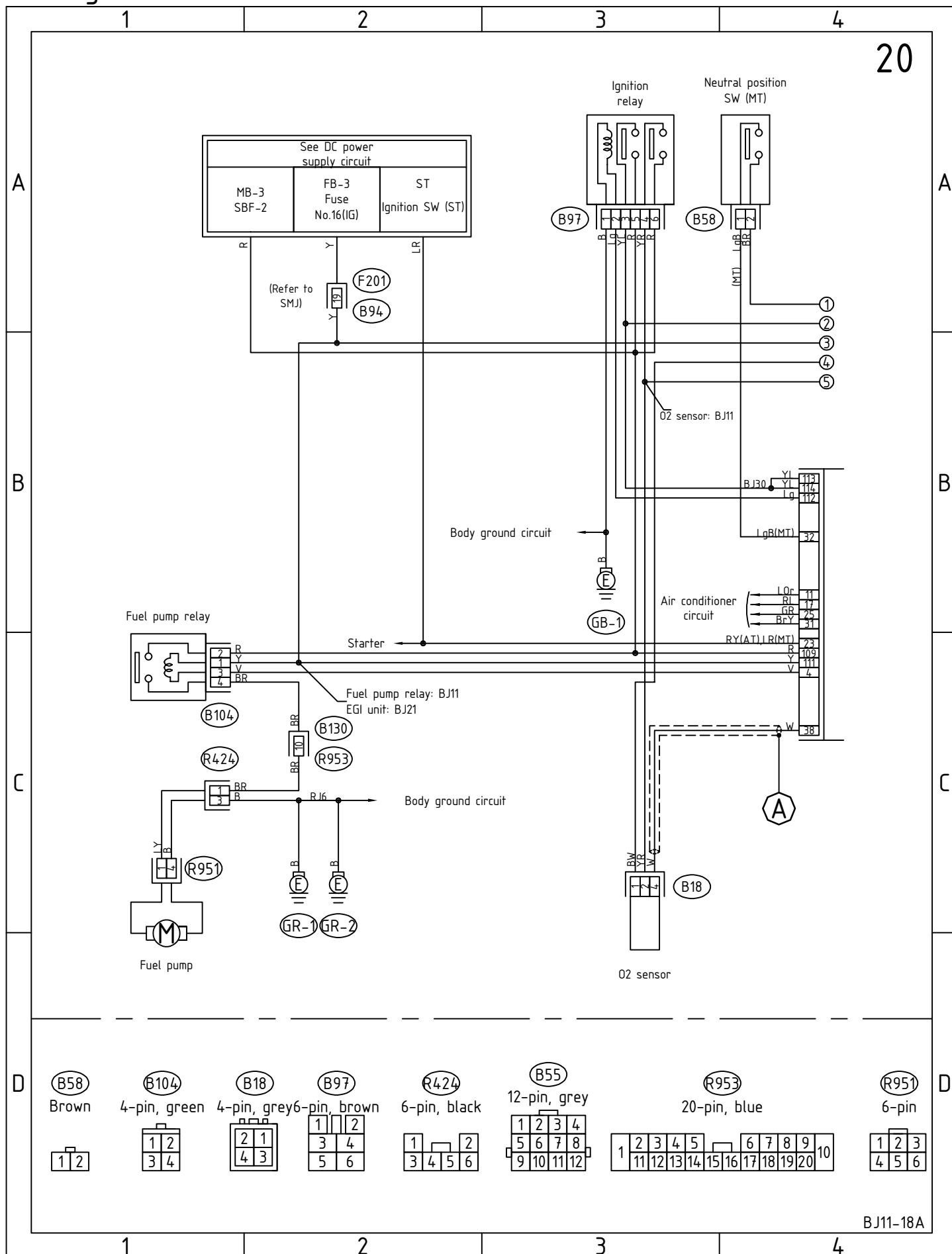
(3) Engine control circuit (1.8L AT)



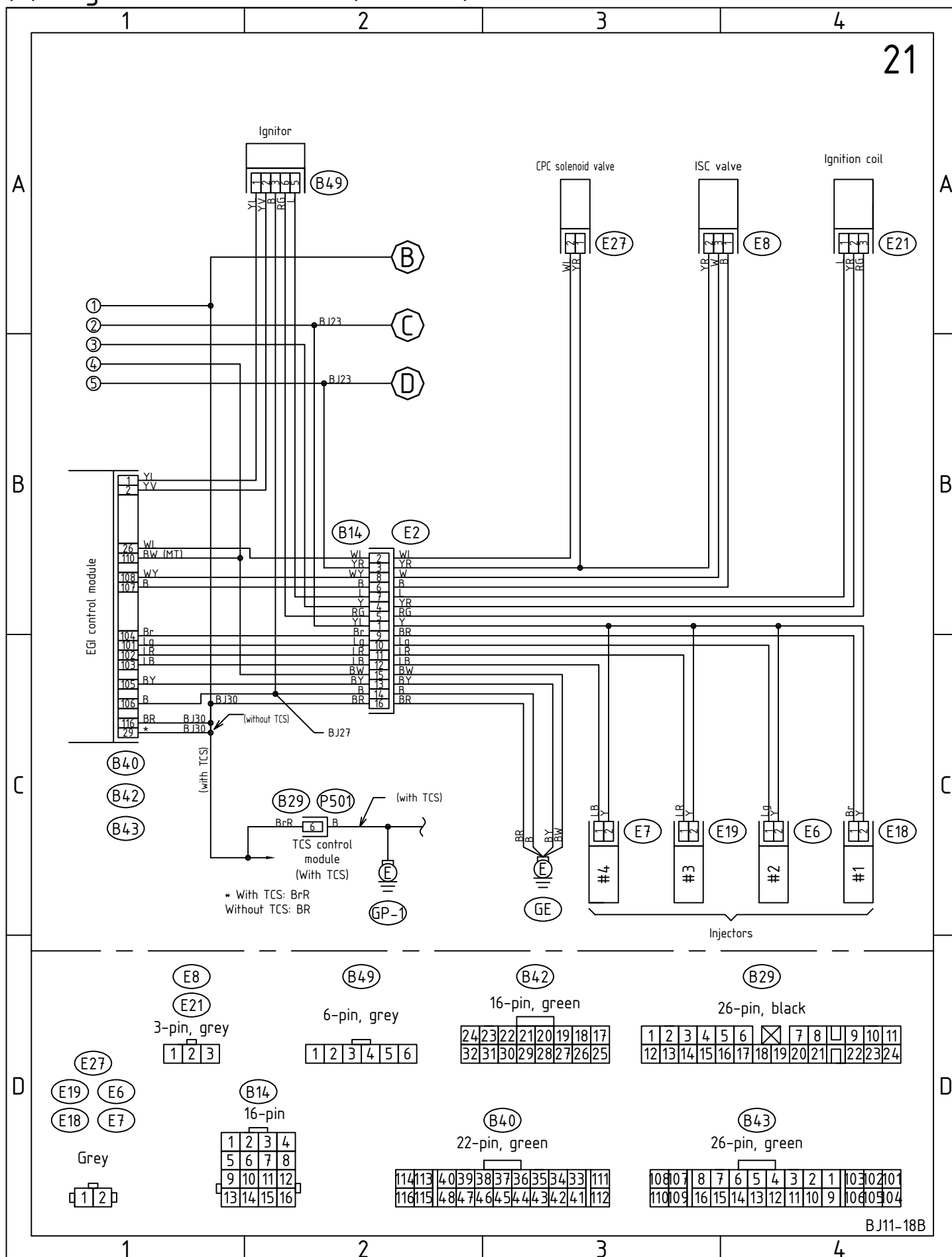
(3) Engine control circuit (1.8L AT)



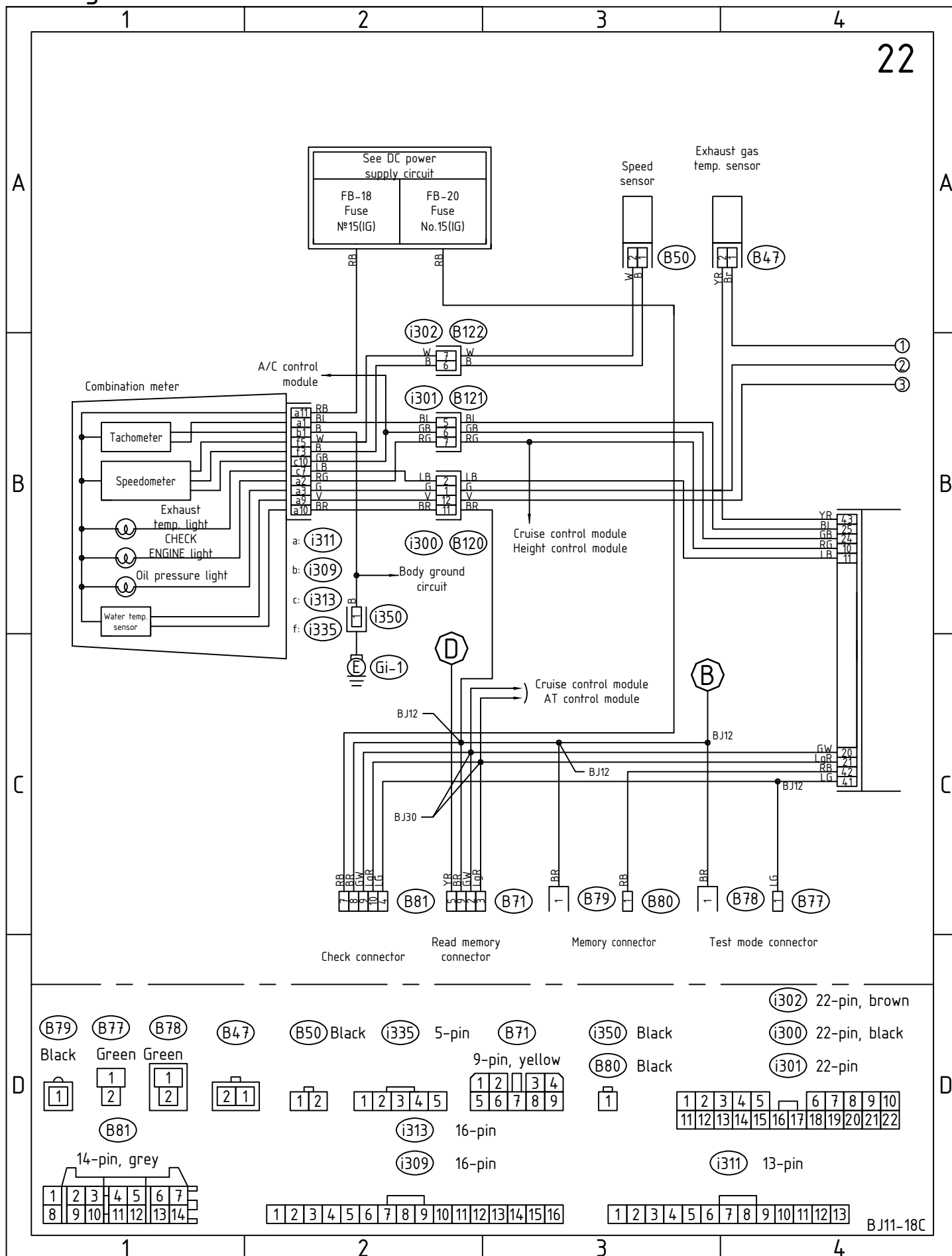
(4) Engine control circuit (2.0L MT)



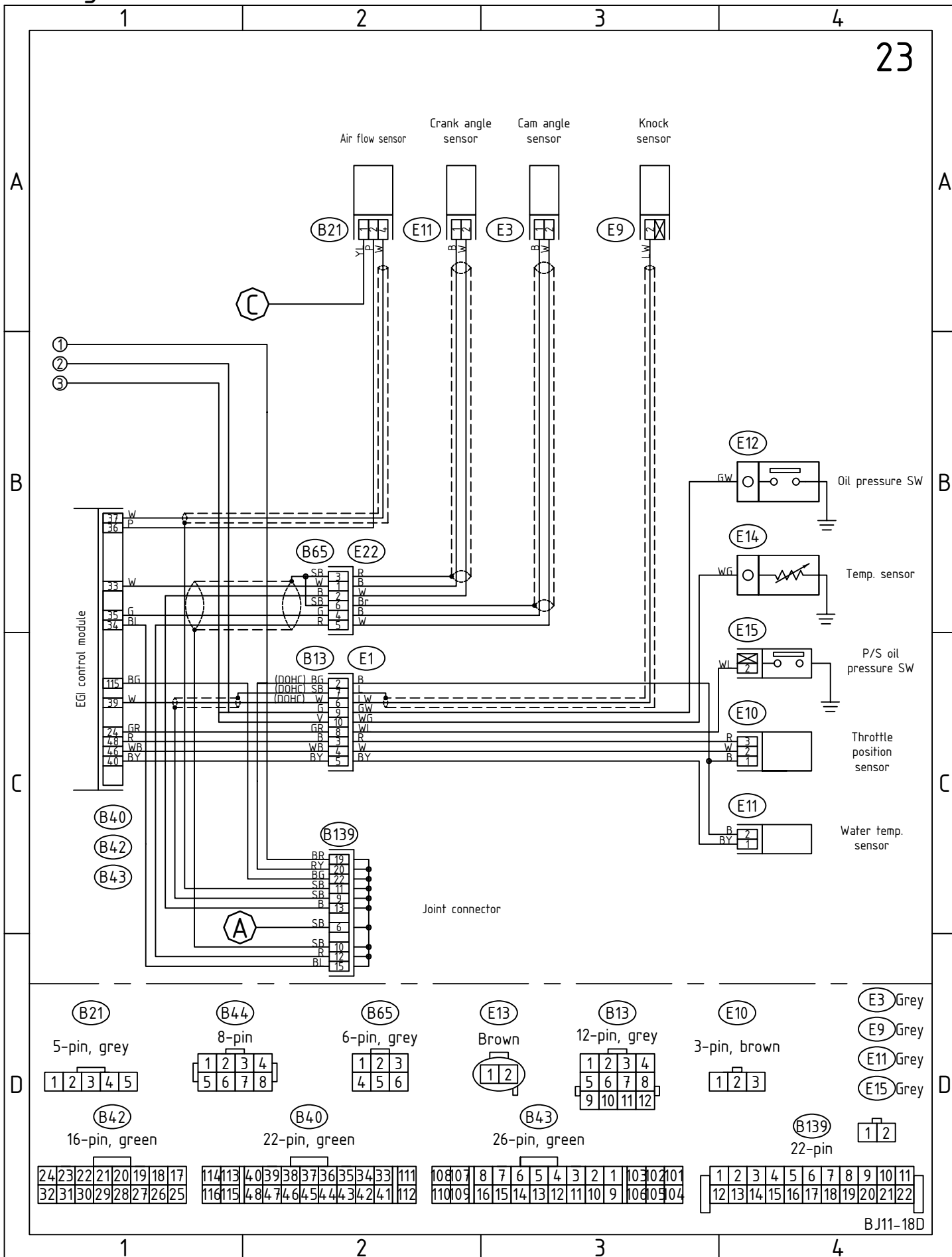
(4) Engine control circuit (2.0L MT)



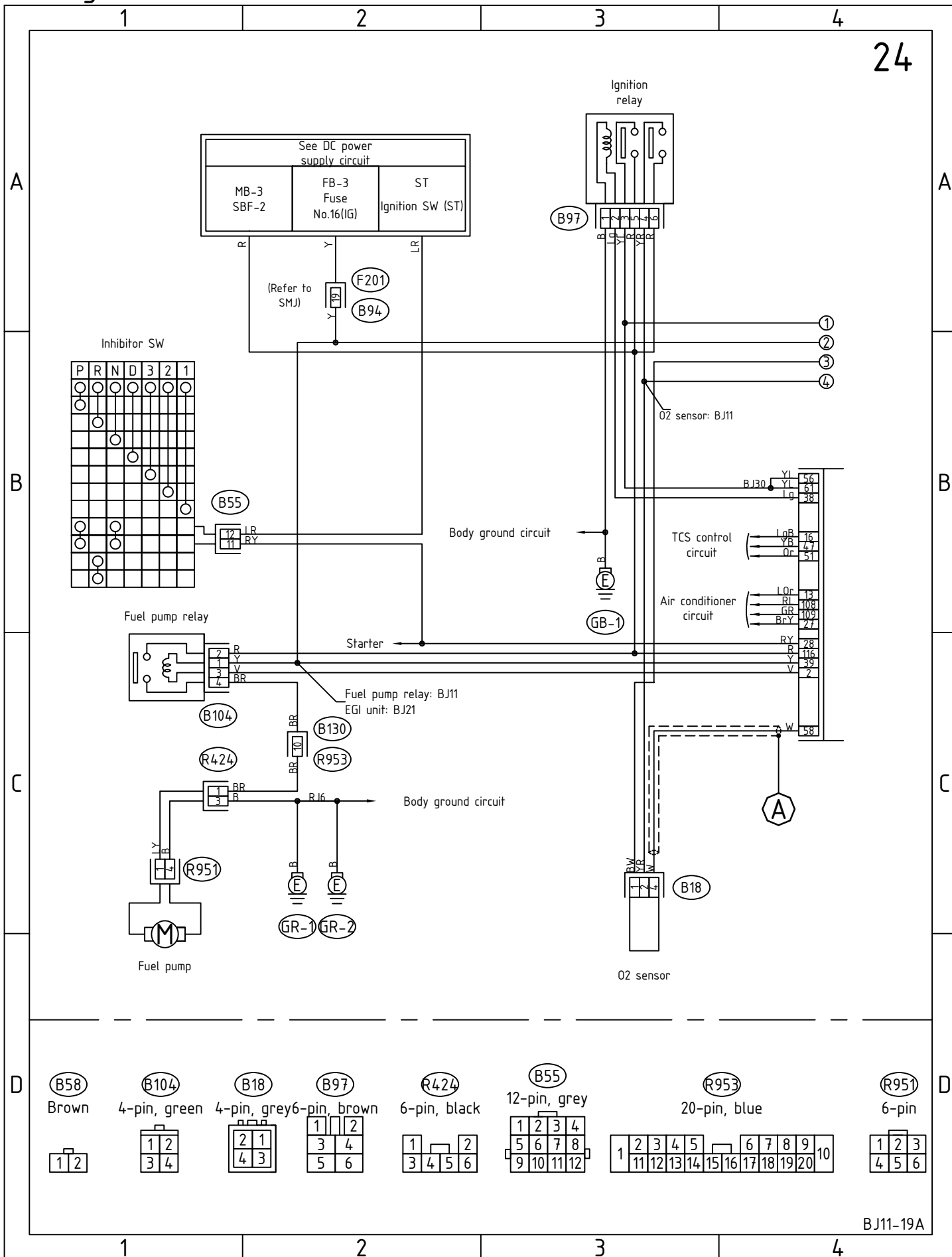
(4) Engine control circuit (2.0L MT)



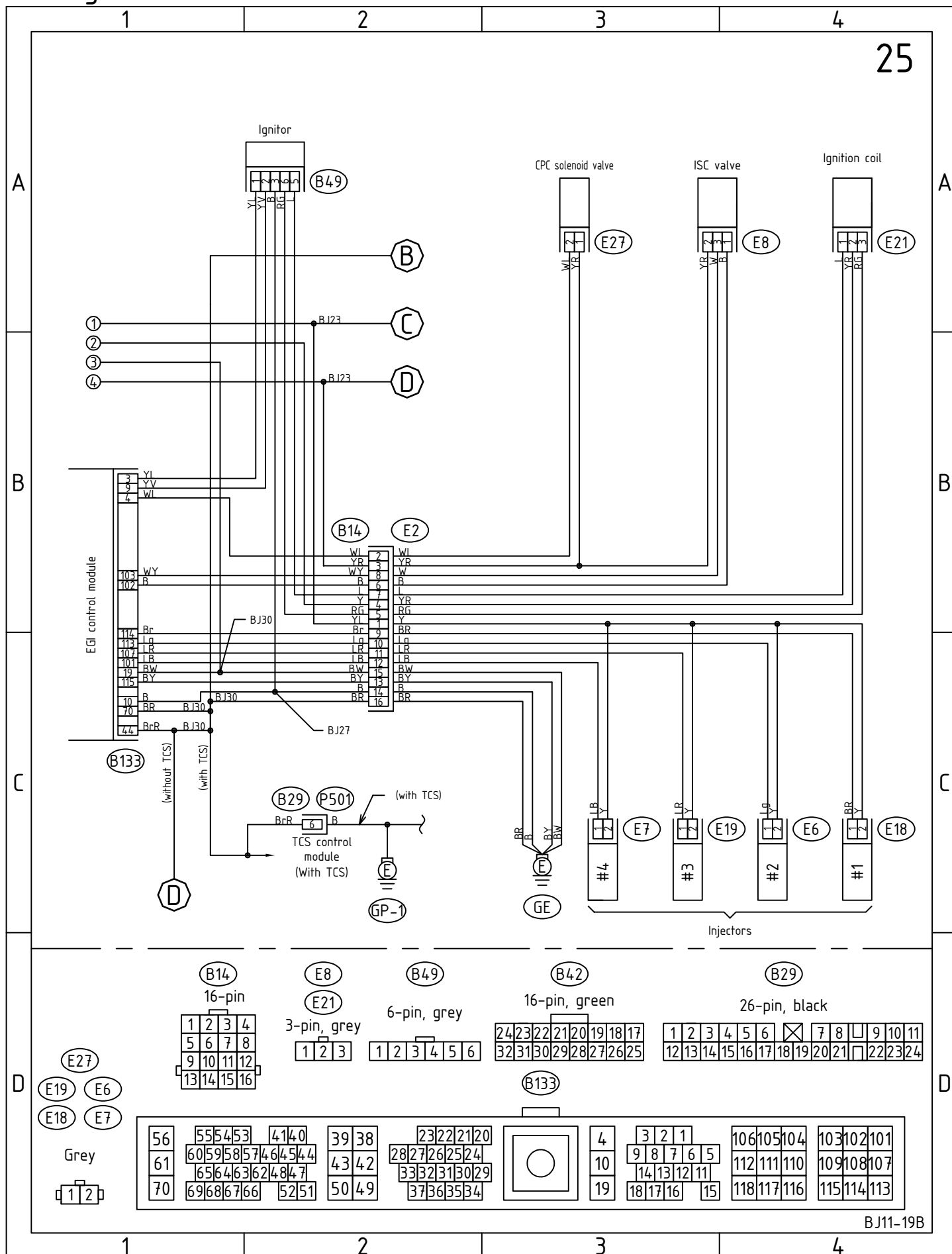
(4) Engine control circuit (2.0L MT)



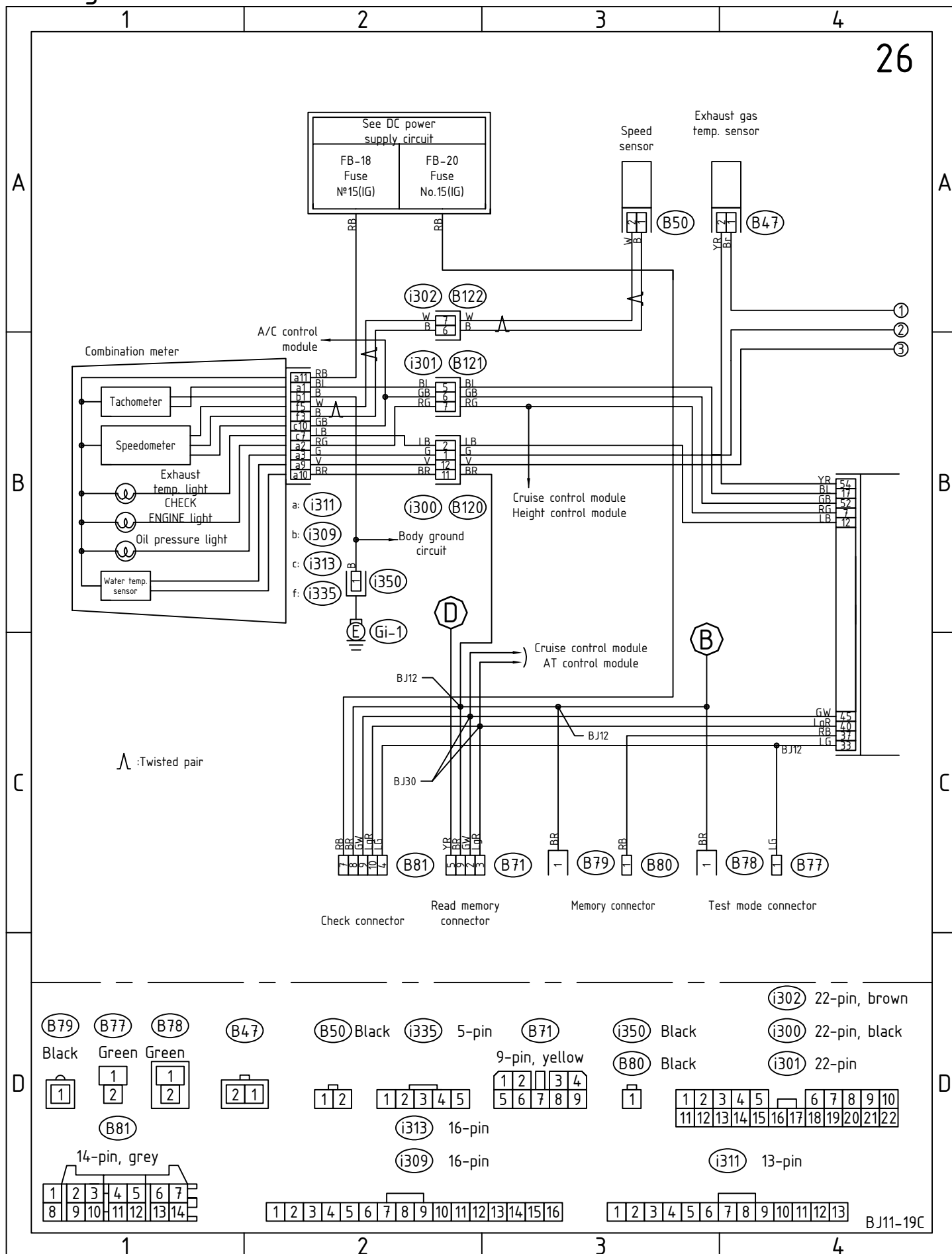
(5) Engine control circuit (2.0L AT)



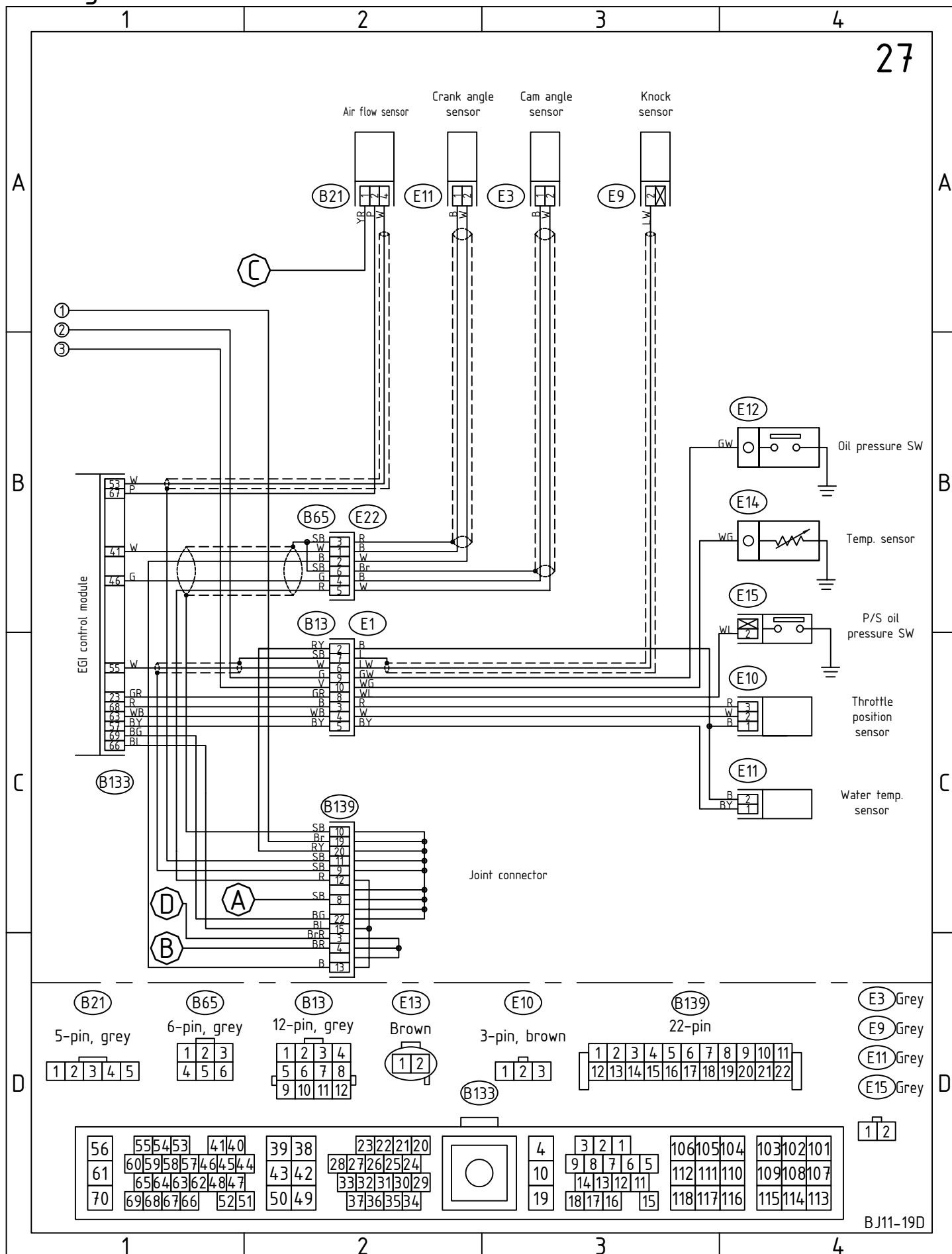
(5) Engine control circuit (2.0L AT)



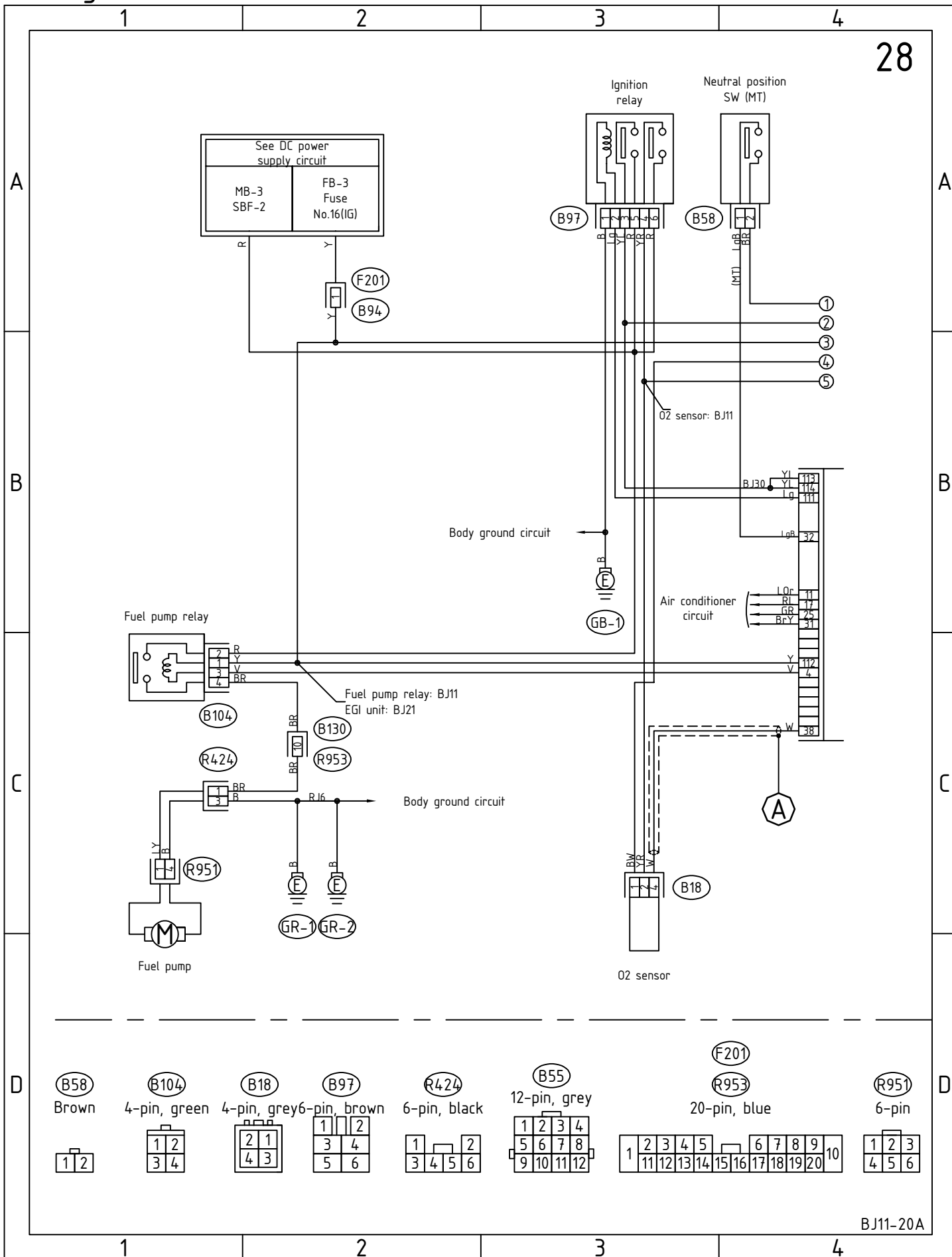
(5) Engine control circuit (2.0L AT)



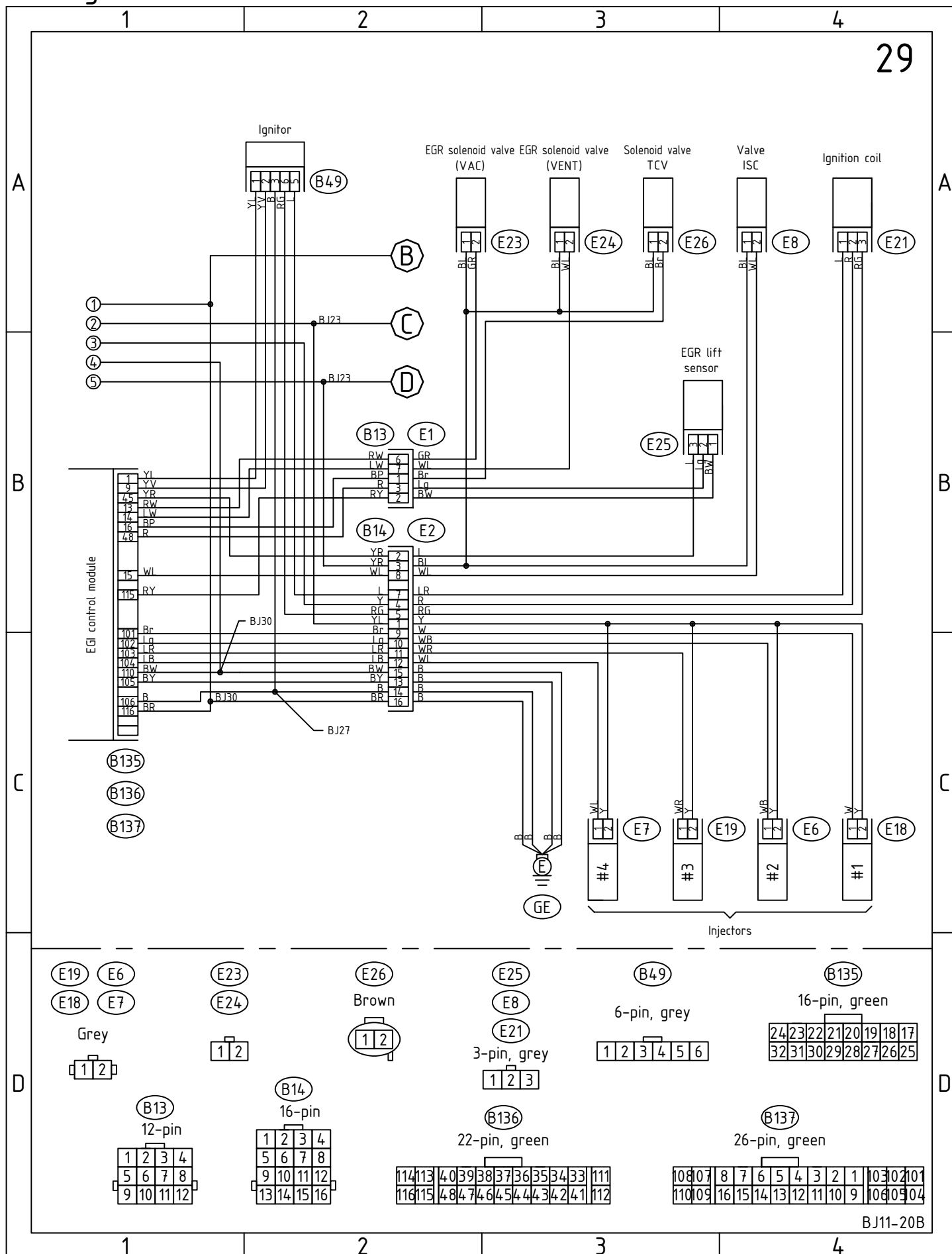
(5) Engine control circuit (2.0L AT)



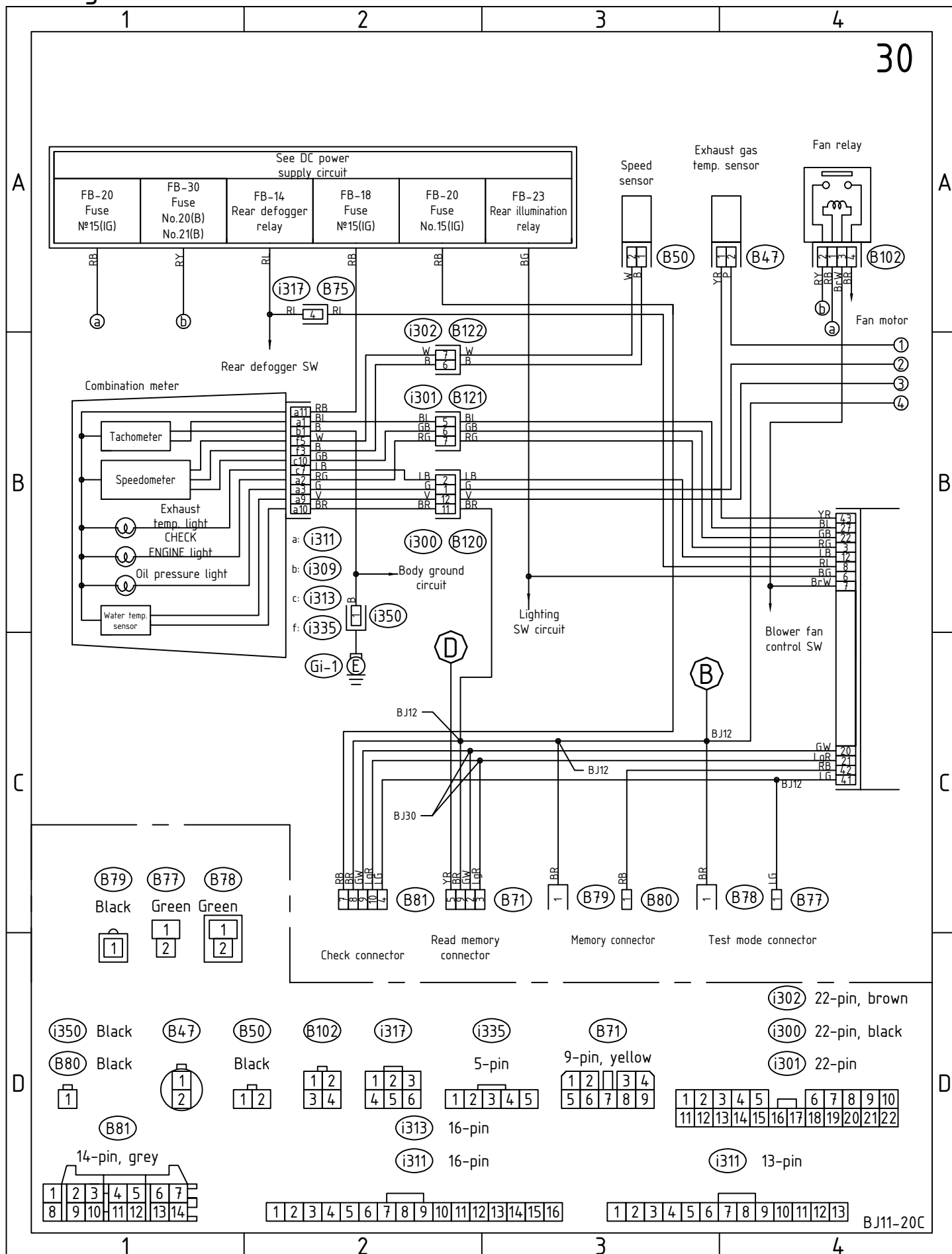
(6) Engine control circuit (2.0L Lean burn)



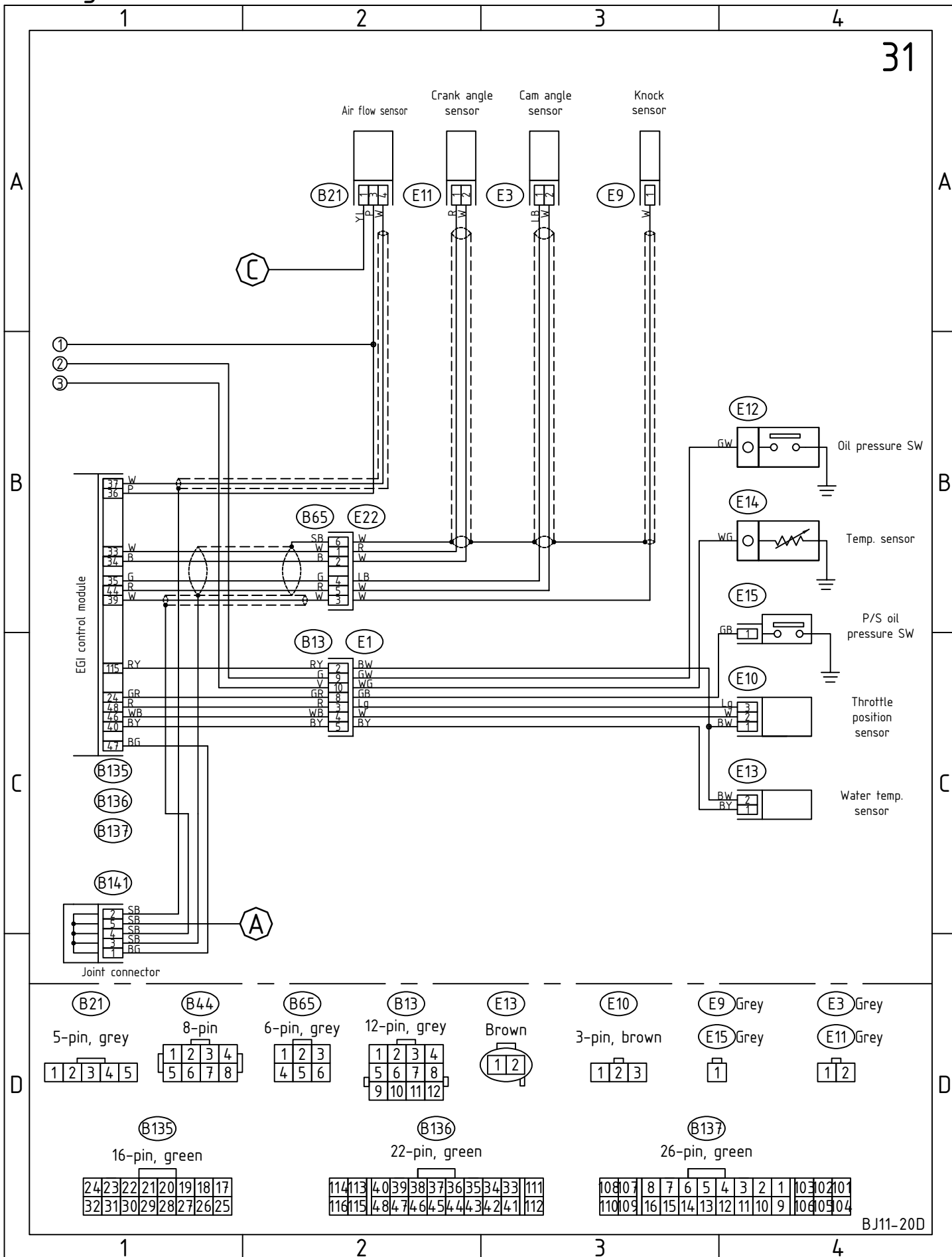
(6) Engine control circuit (2.0L Lean burn)



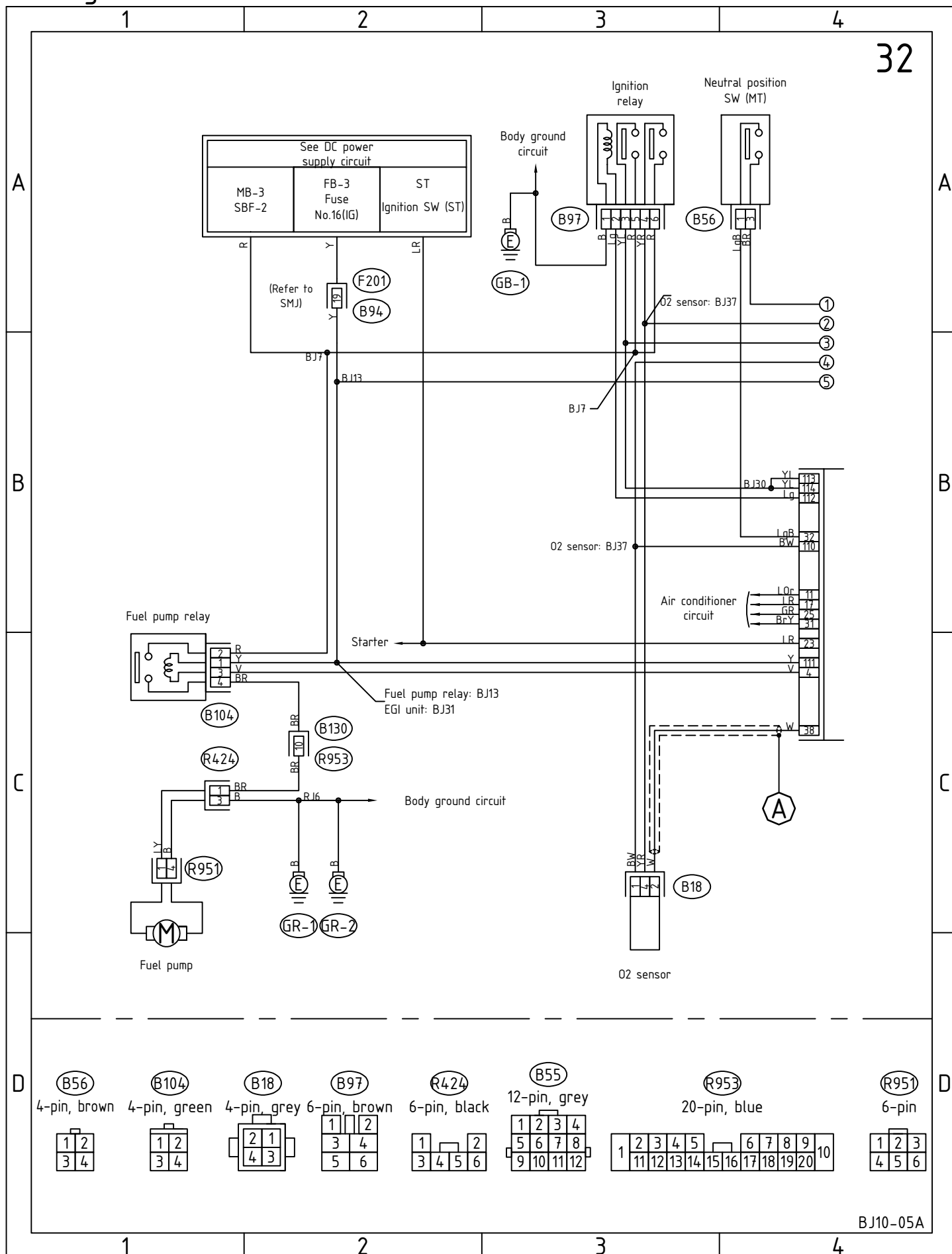
(6) Engine control circuit (2.0L Lean burn)



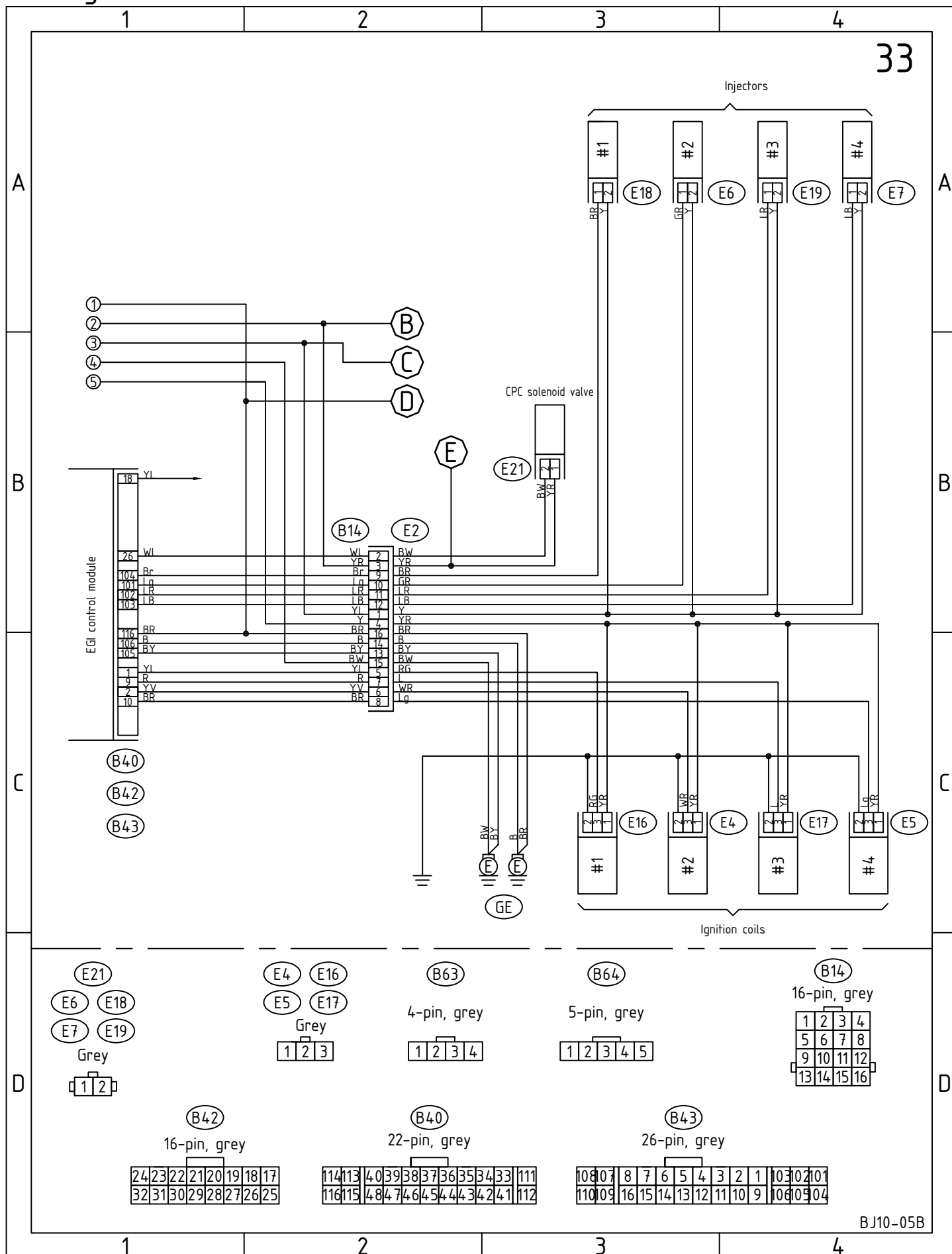
(6) Engine control circuit (2.0L Lean burn)



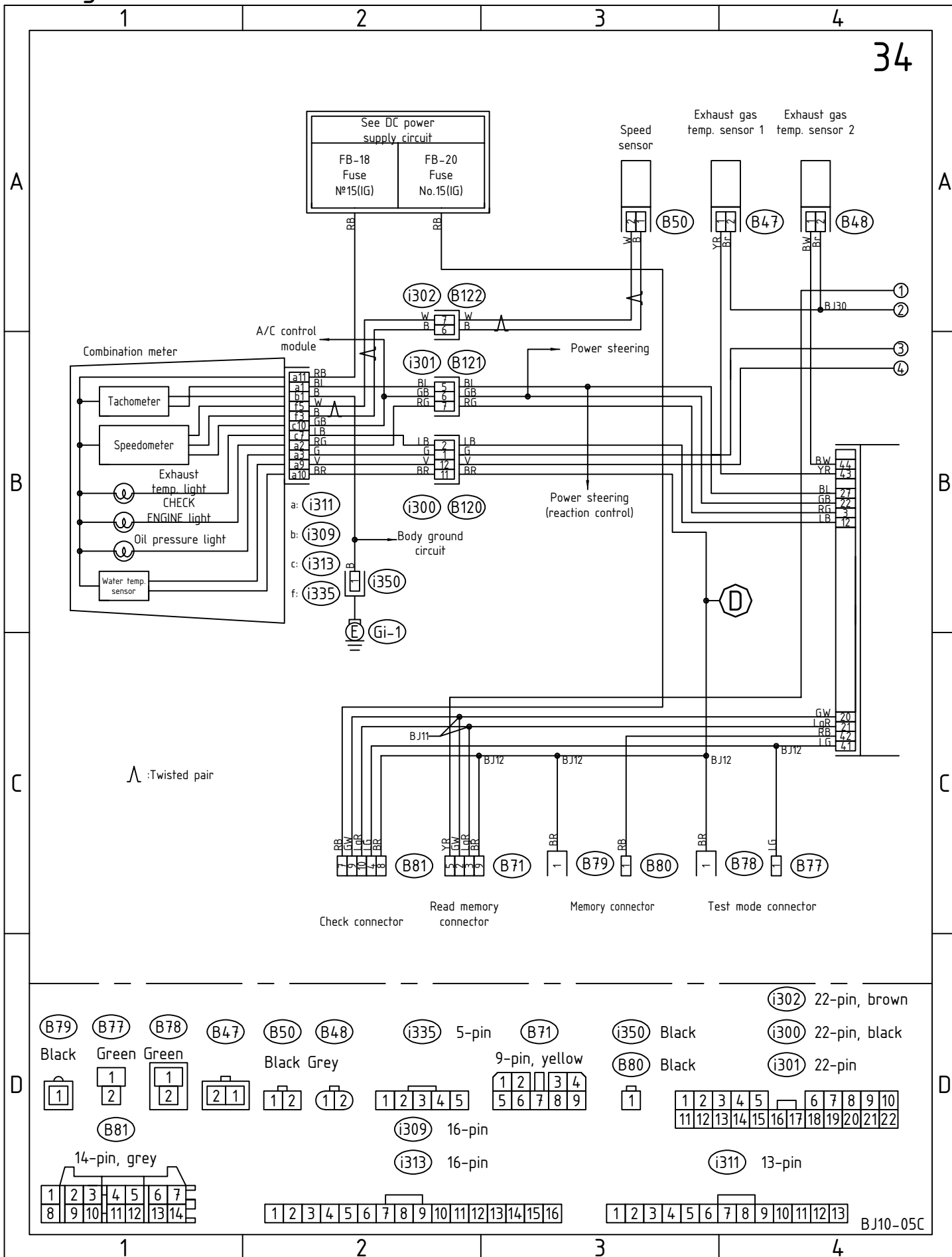
(7) Engine control circuit (2.0L turbo MT)



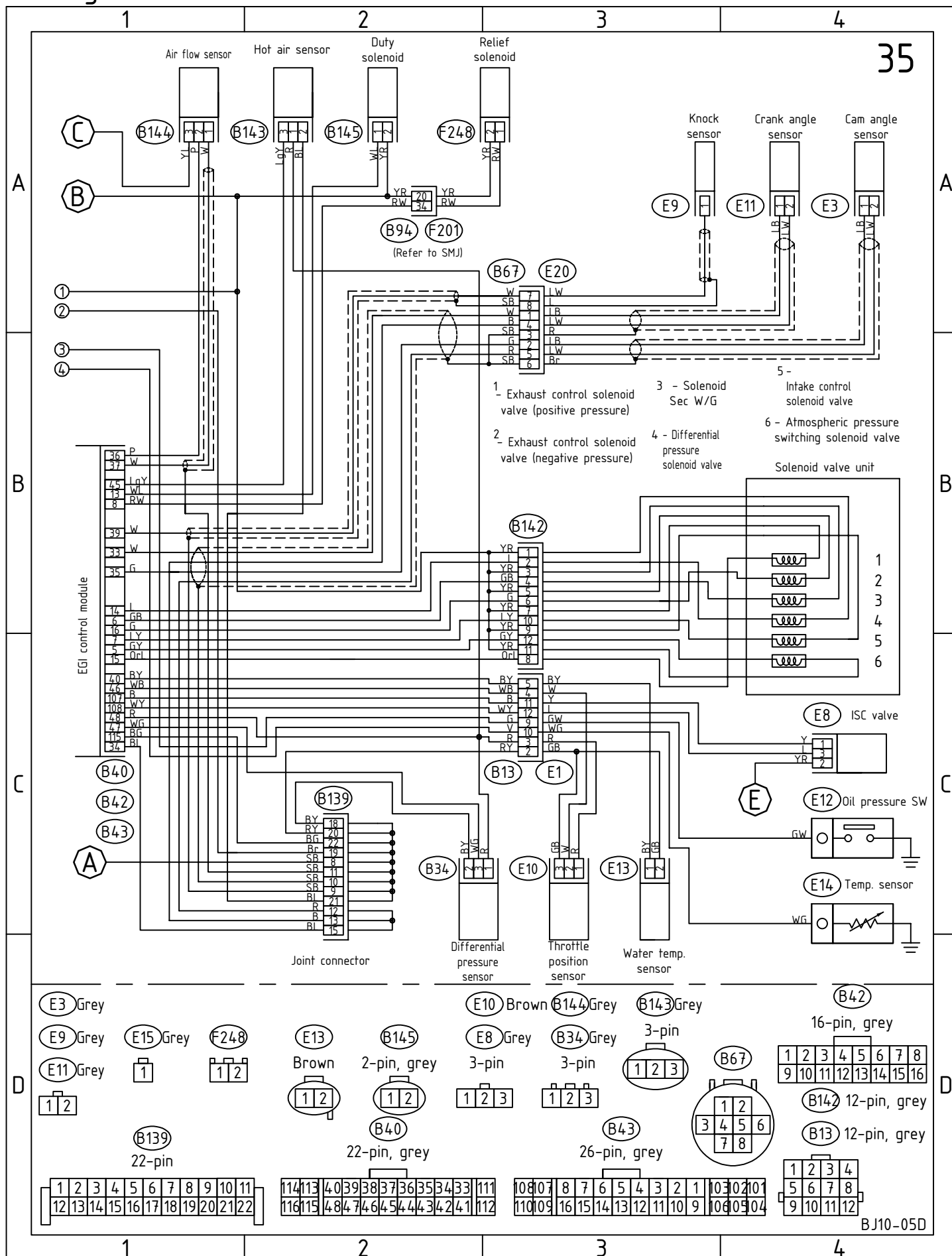
(7) Engine control circuit (2.0L turbo MT)



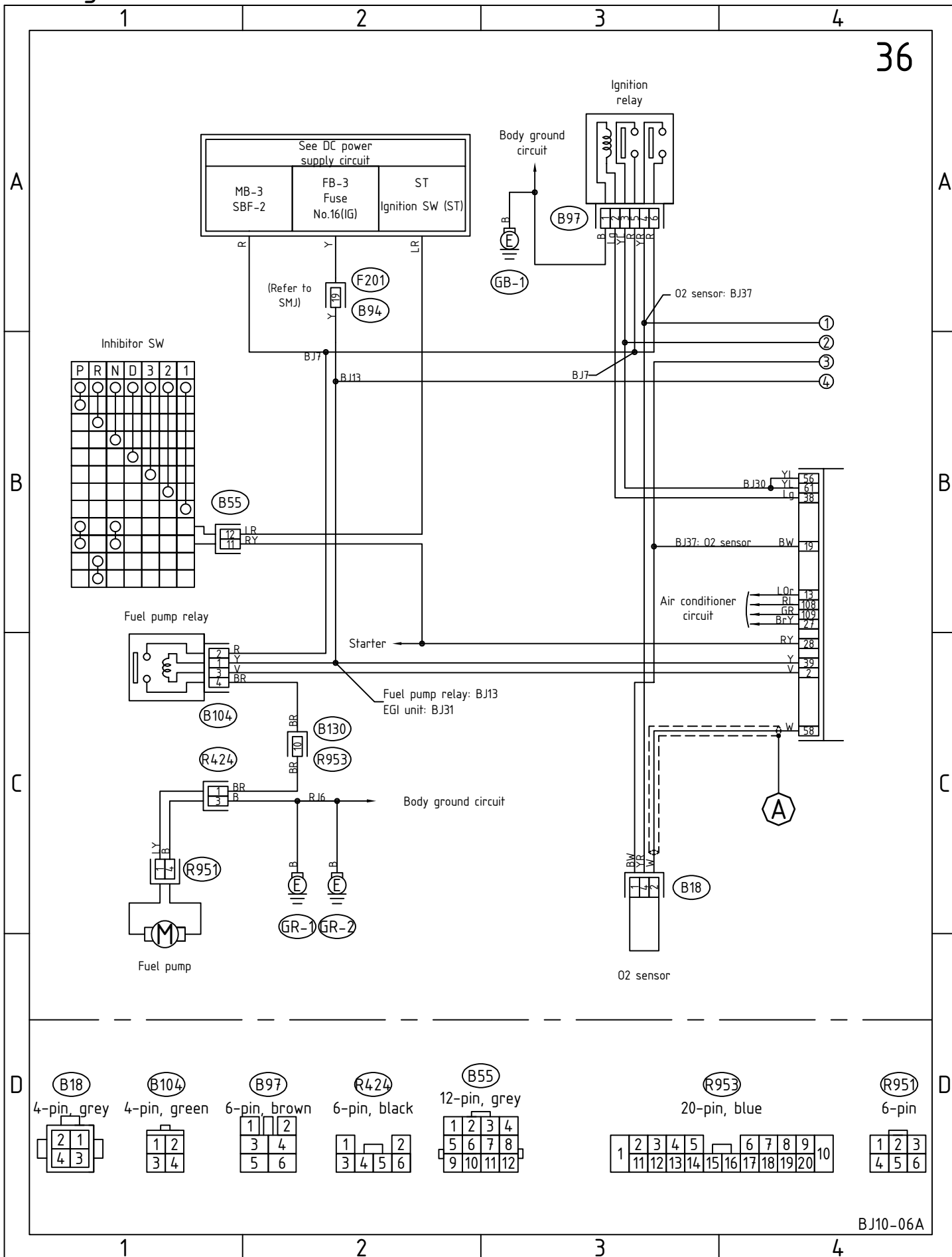
(7) Engine control circuit (2.0L turbo MT)



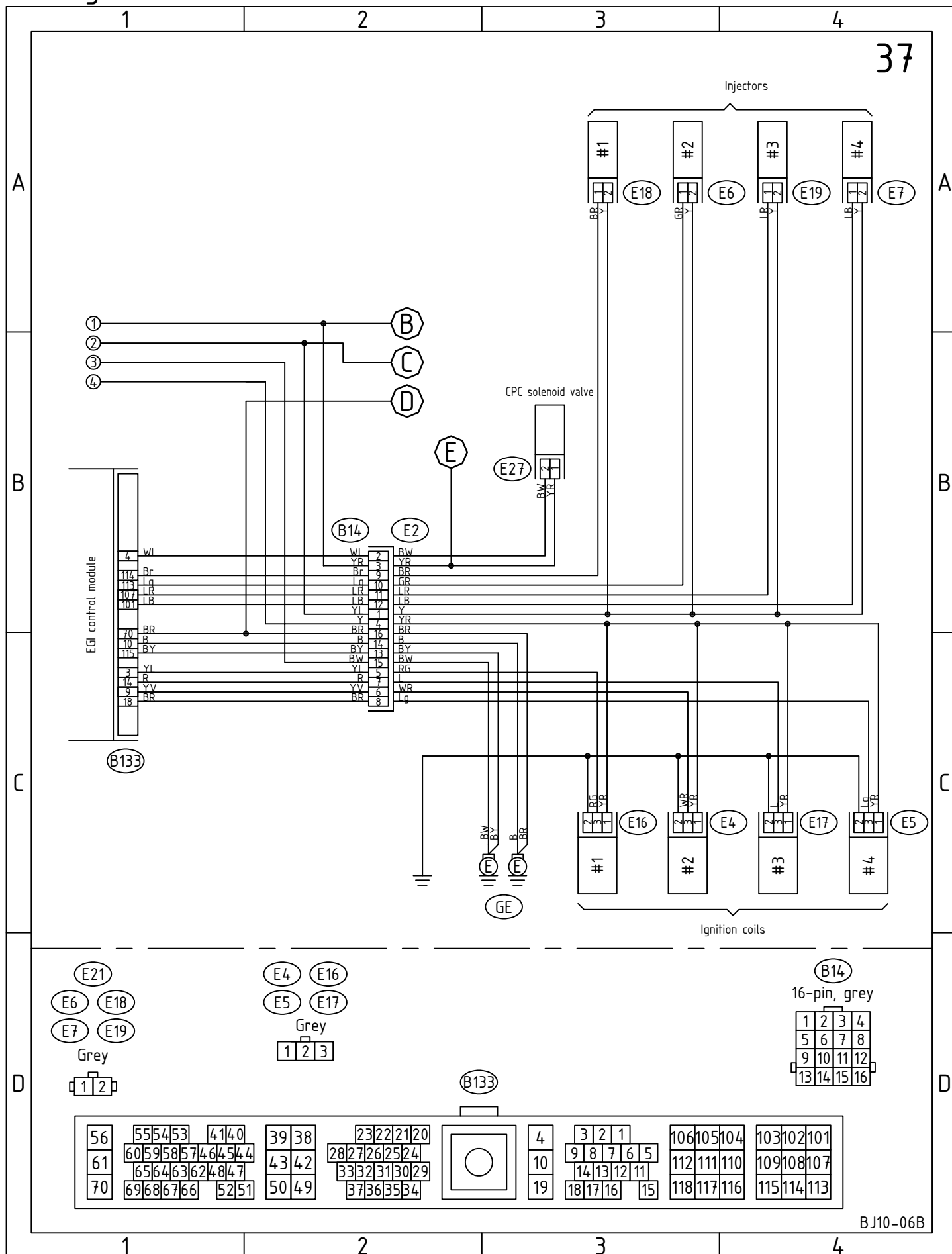
(7) Engine control circuit (2.0L turbo MT)



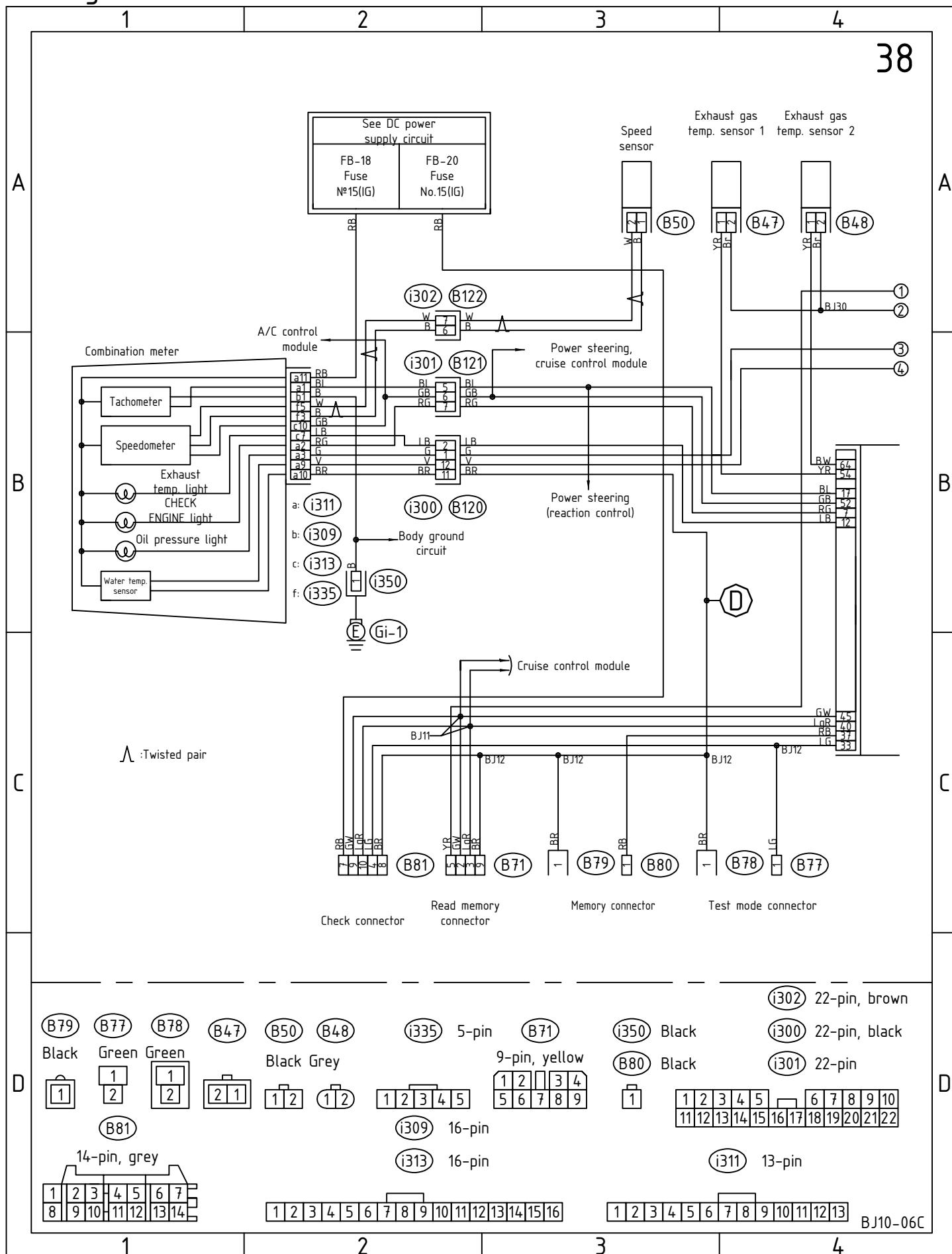
(8) Engine control circuit (2.0L turbo AT)



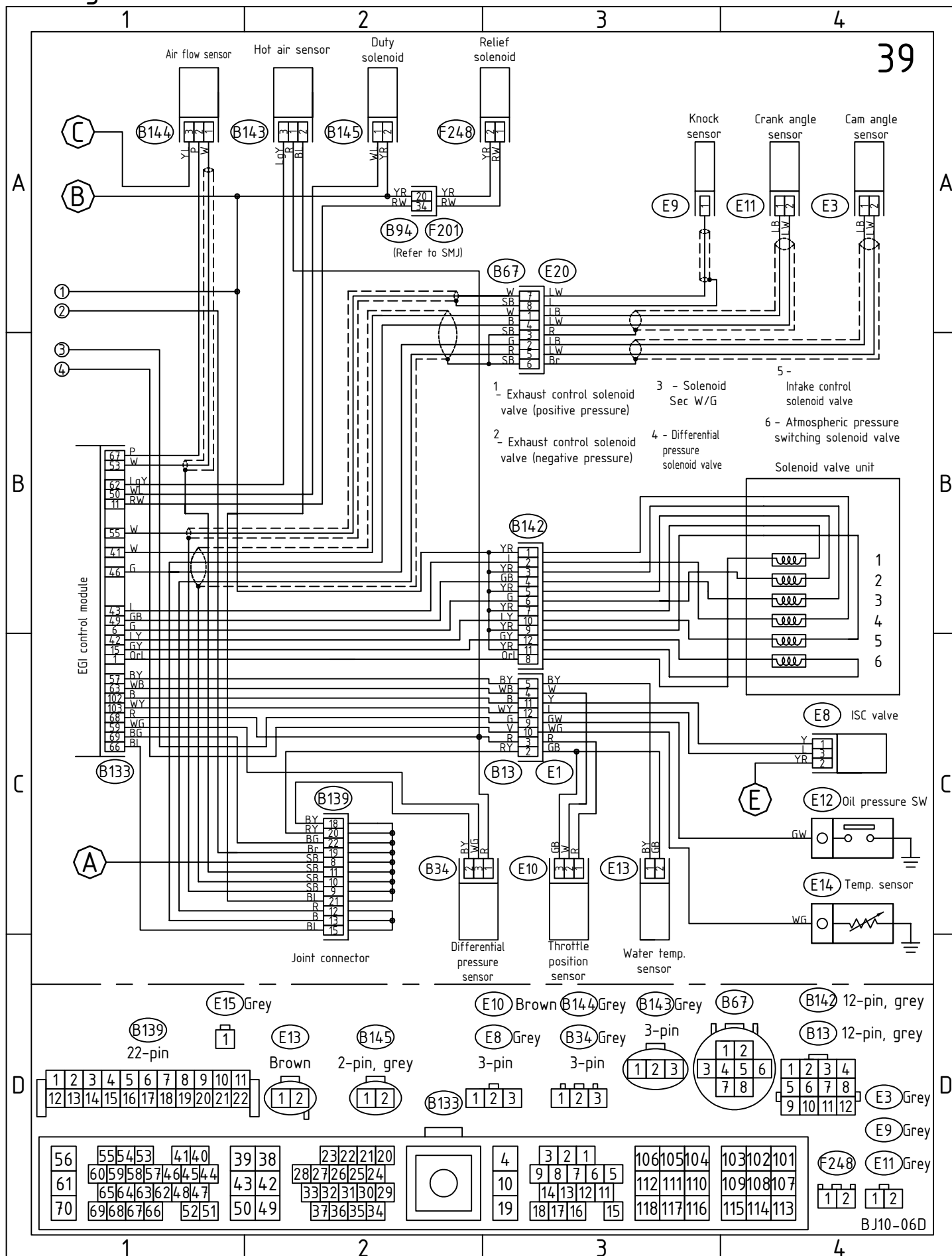
(8) Engine control circuit (2.0L turbo AT)



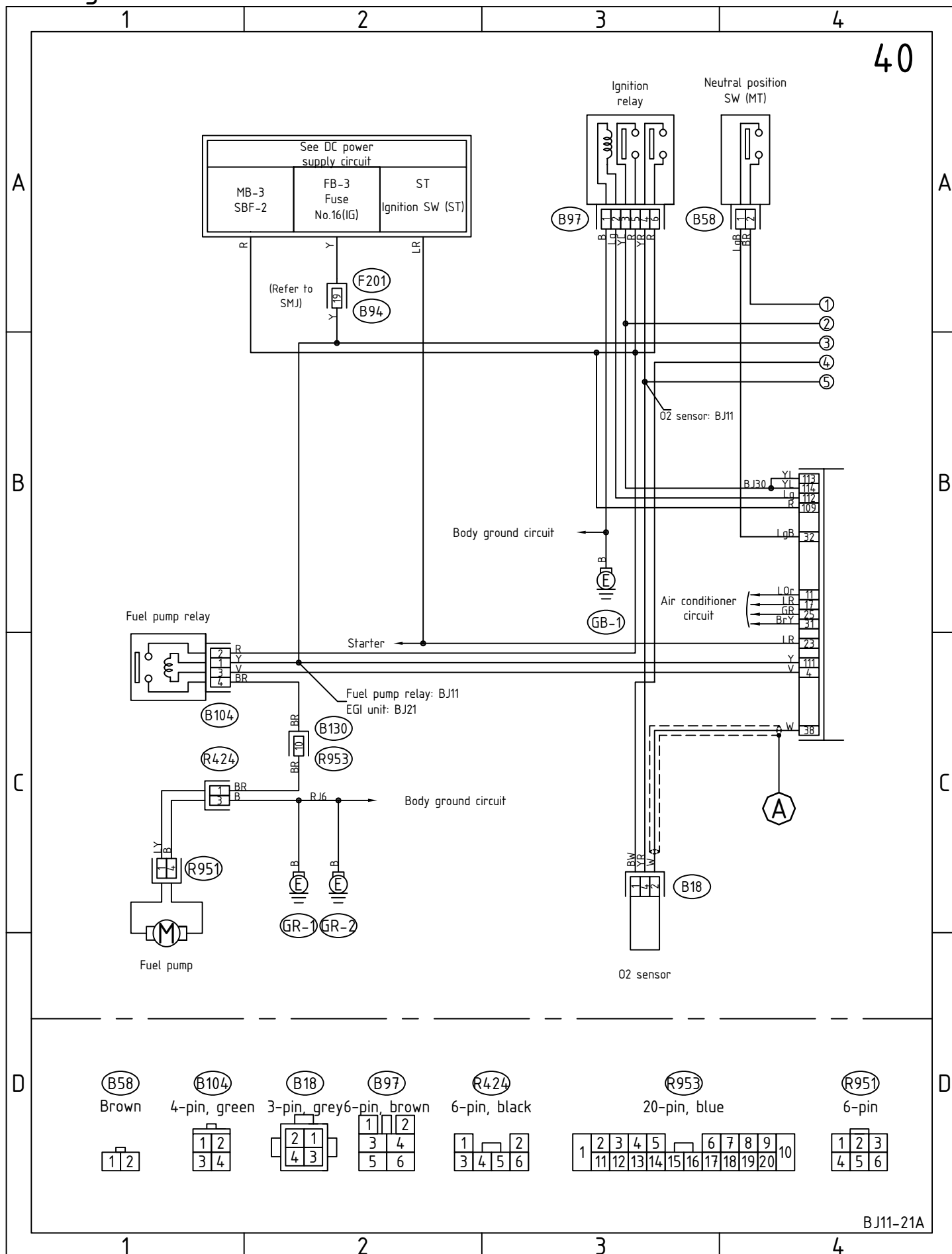
(8) Engine control circuit (2.0L turbo AT)



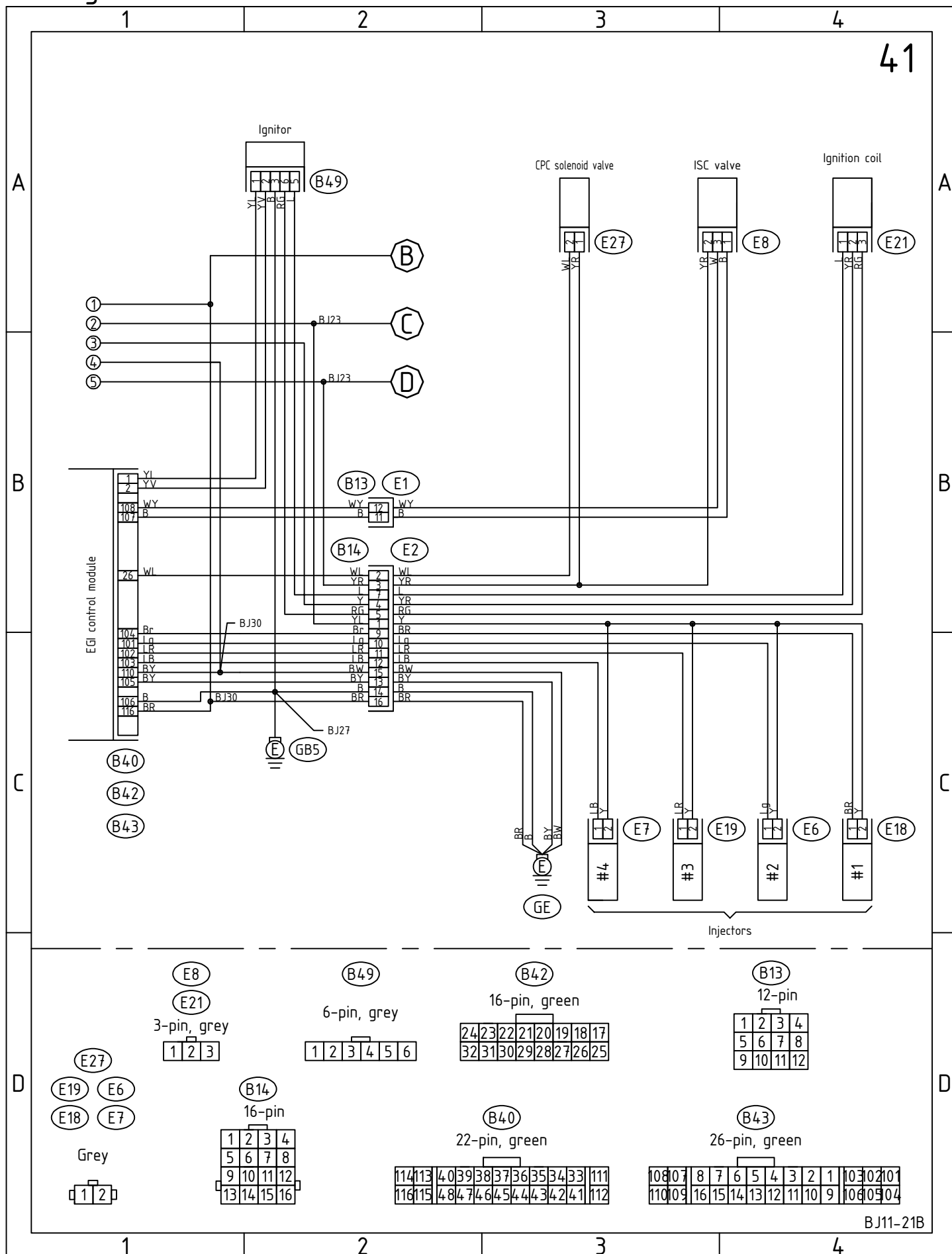
(8) Engine control circuit (2.0L turbo AT)



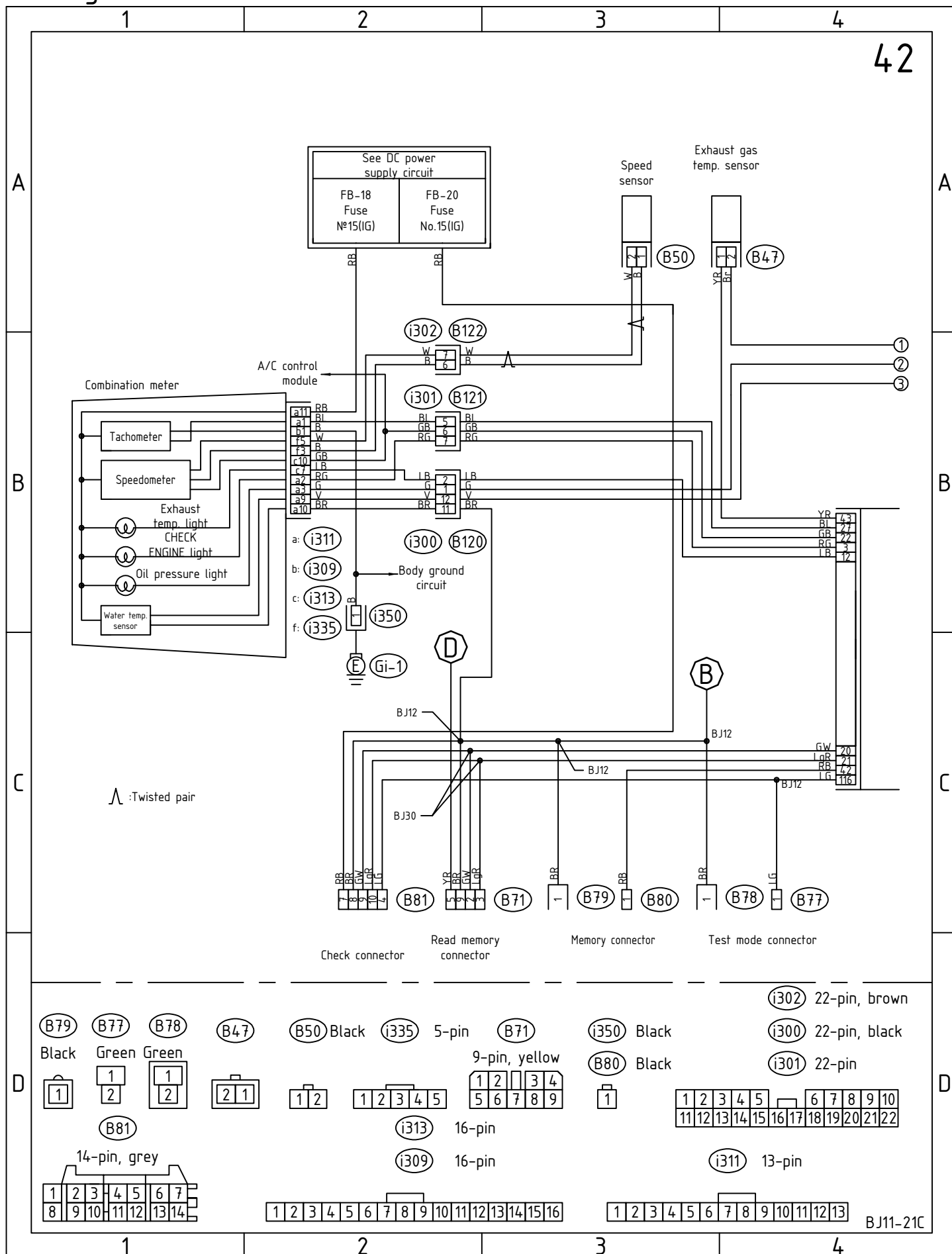
(9) Engine control circuit (2.5L MT)



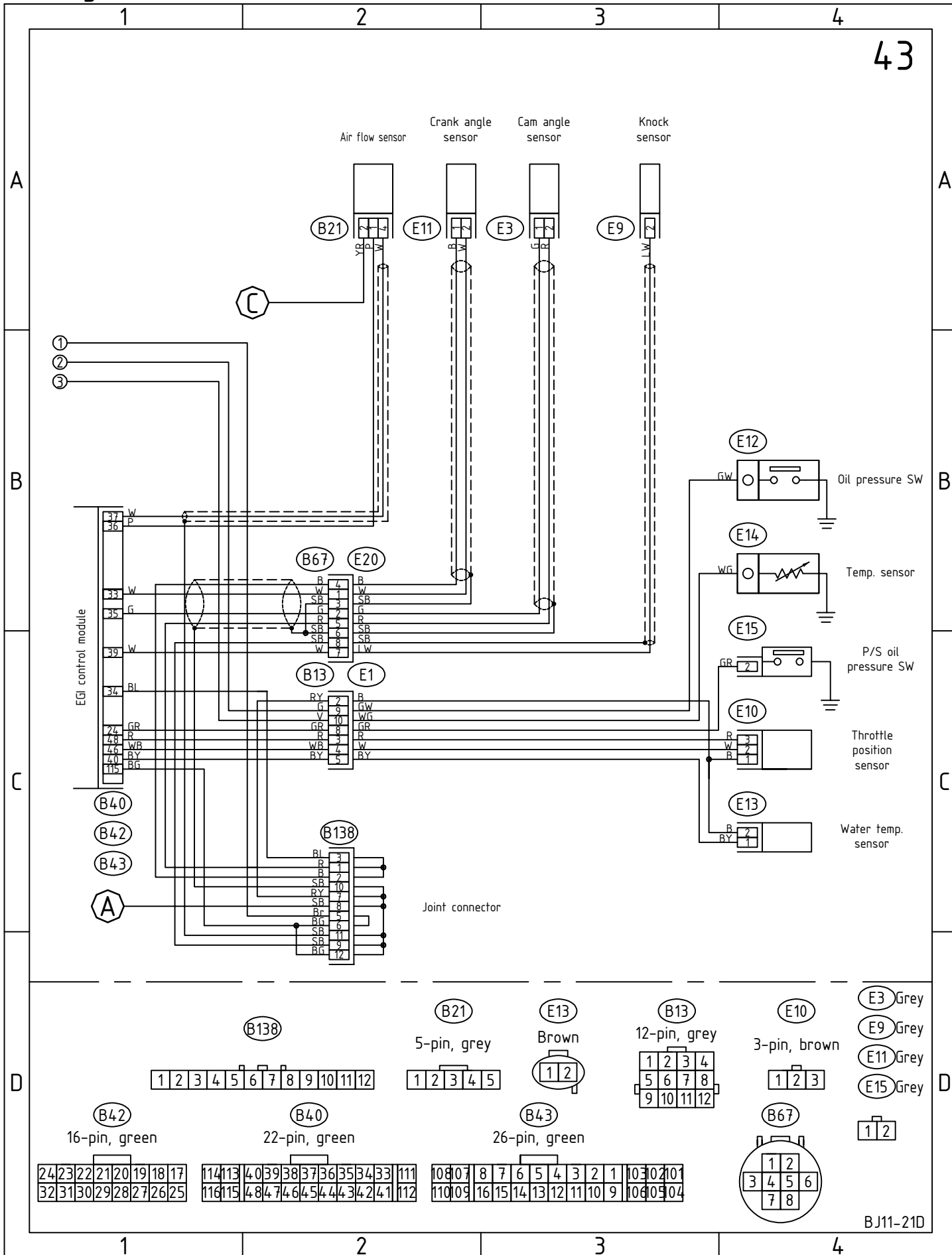
(9) Engine control circuit (2.5L MT)



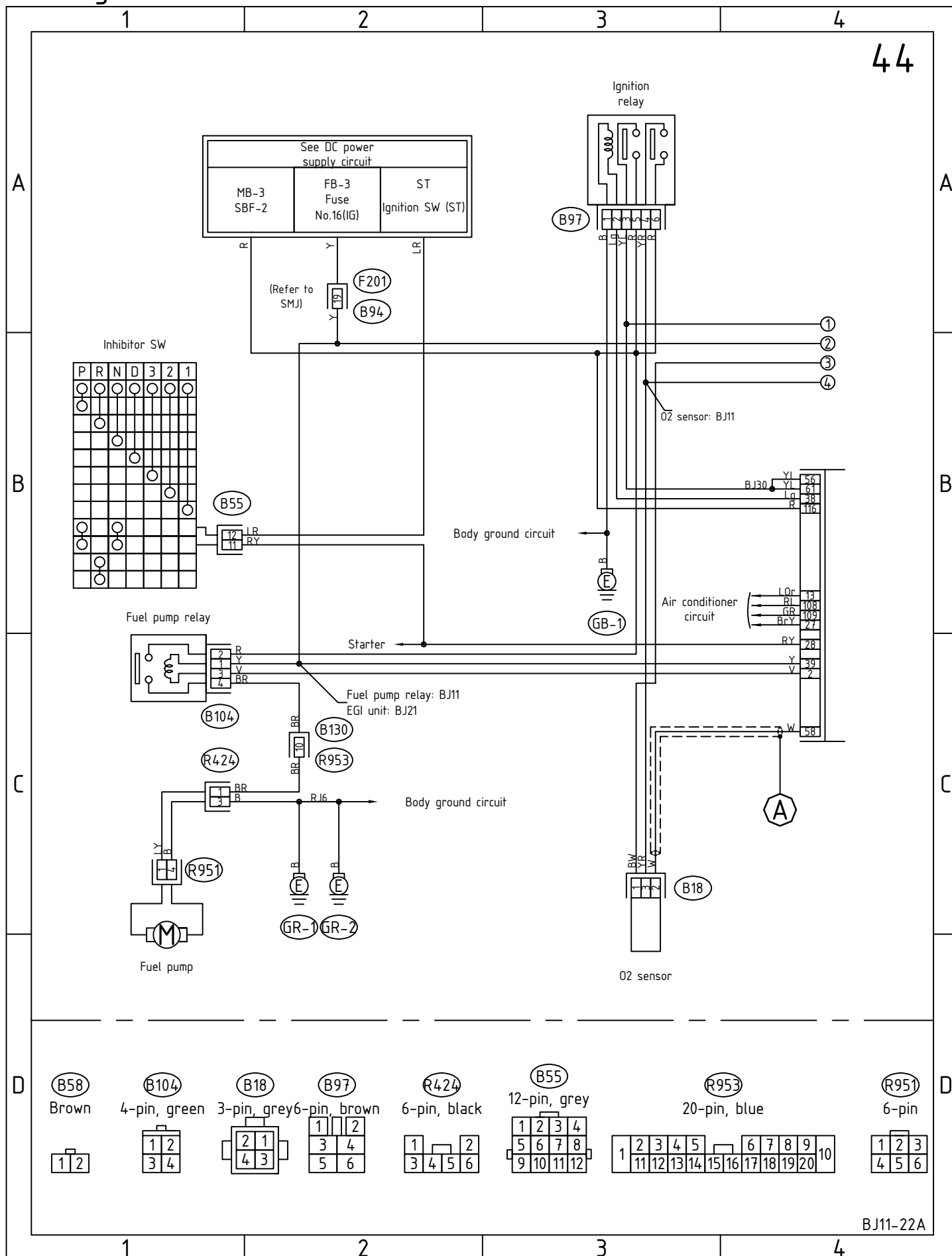
(9) Engine control circuit (2.5L MT)



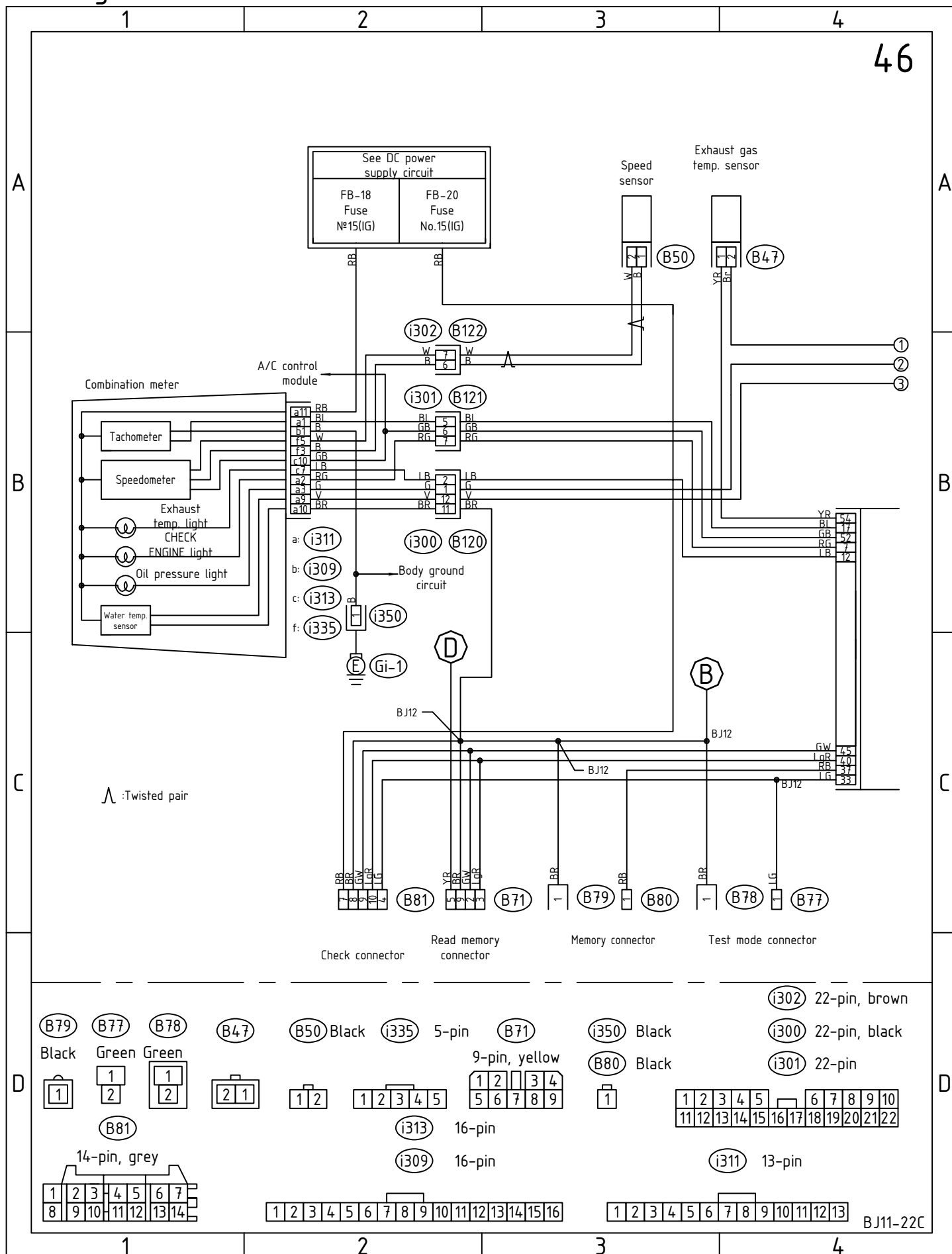
(9) Engine control circuit (2.5L MT)



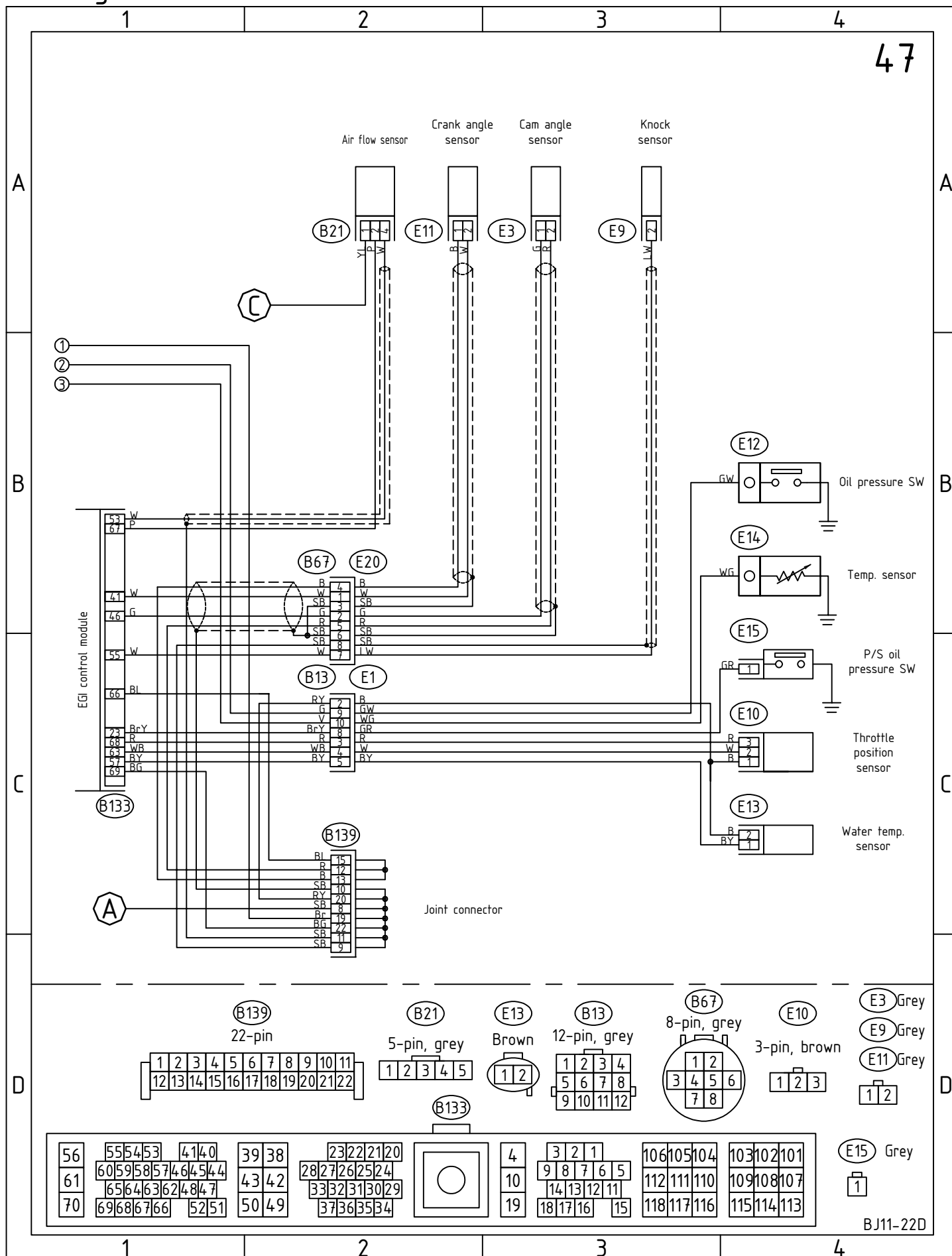
(10) Engine control circuit (2.5L AT)



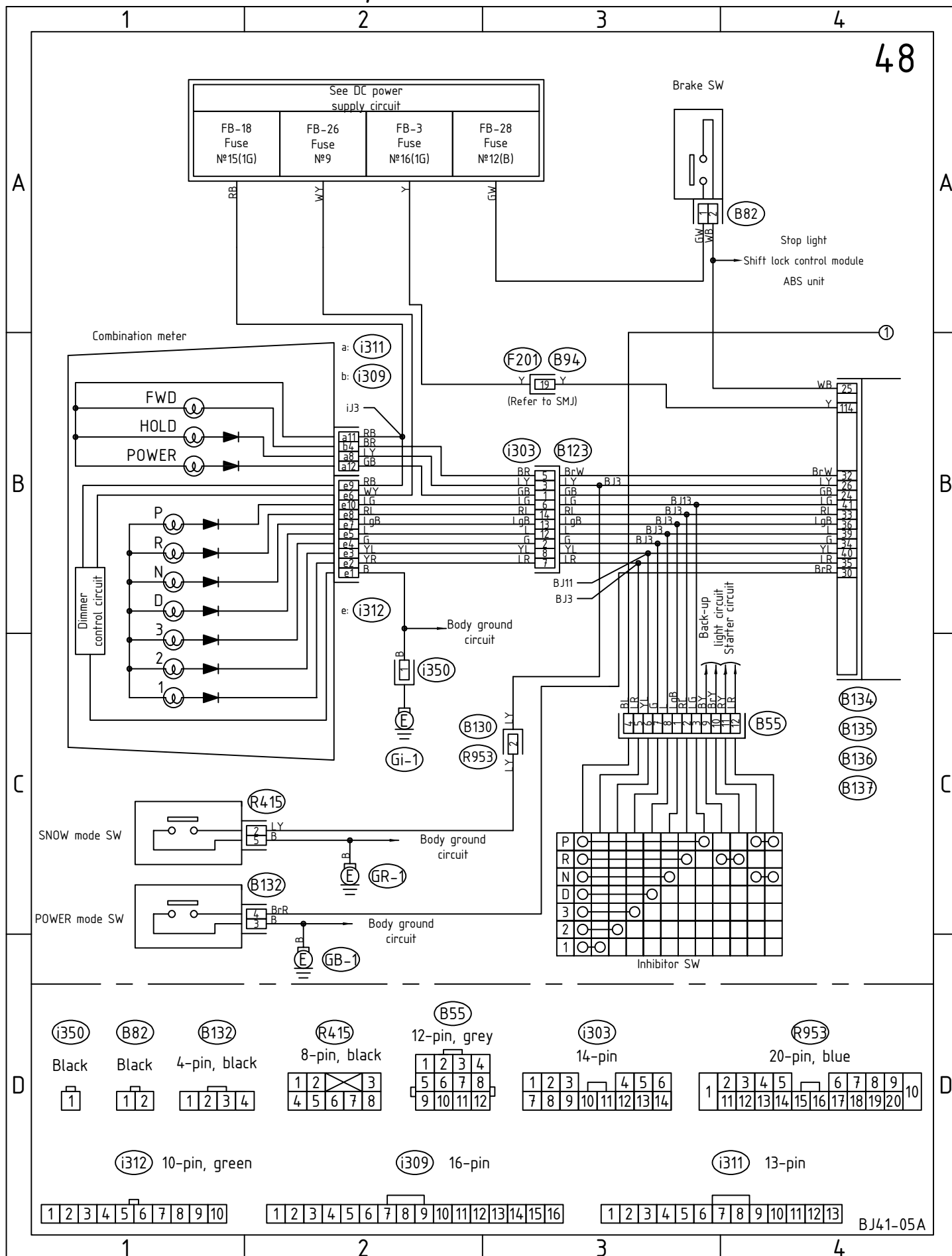
(10) Engine control circuit (2.5L AT)



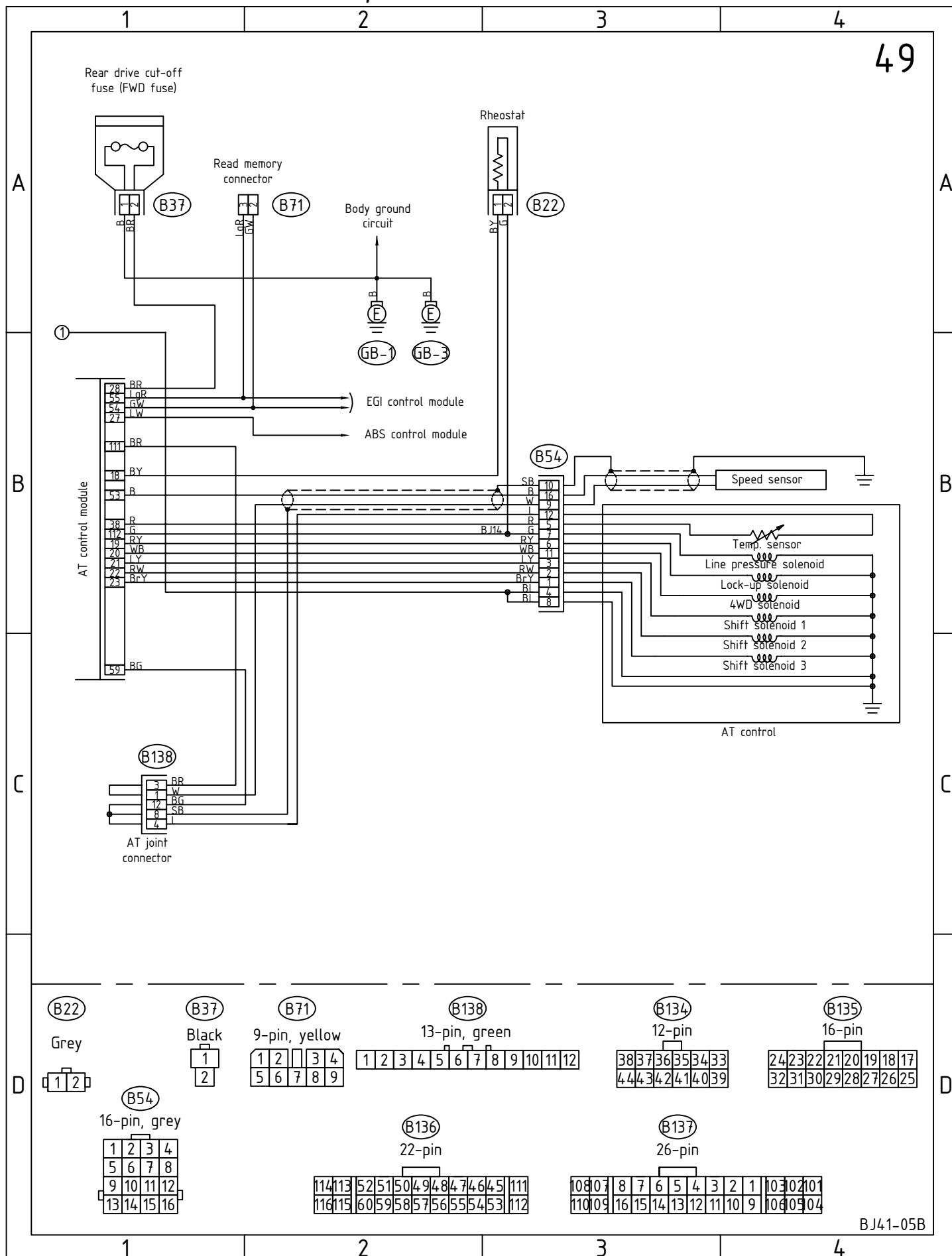
(10) Engine control circuit (2.5L AT)



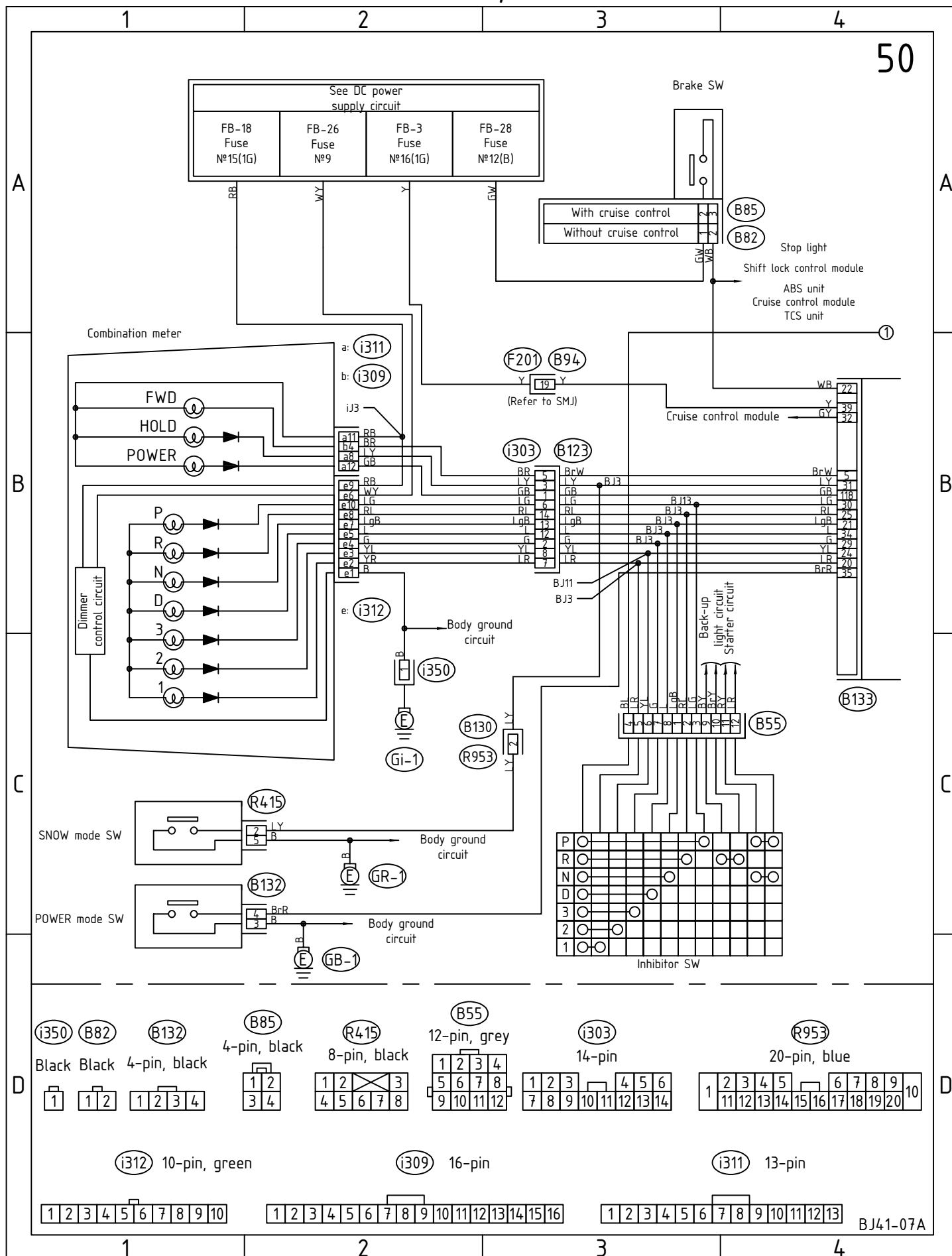
(11) AT control circuit (1.8L, 4AT)



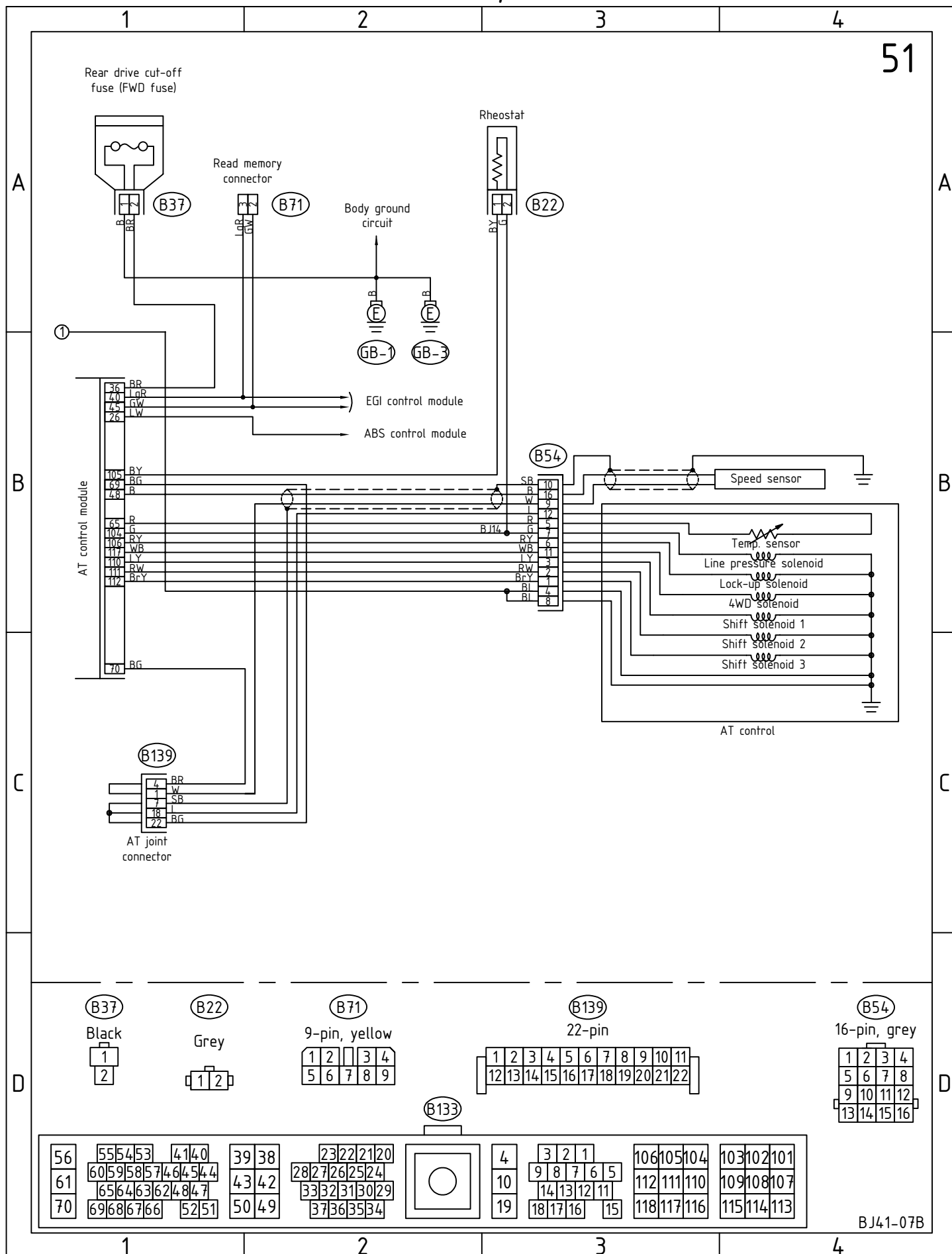
(11) AT control circuit (1.8L, 4AT)



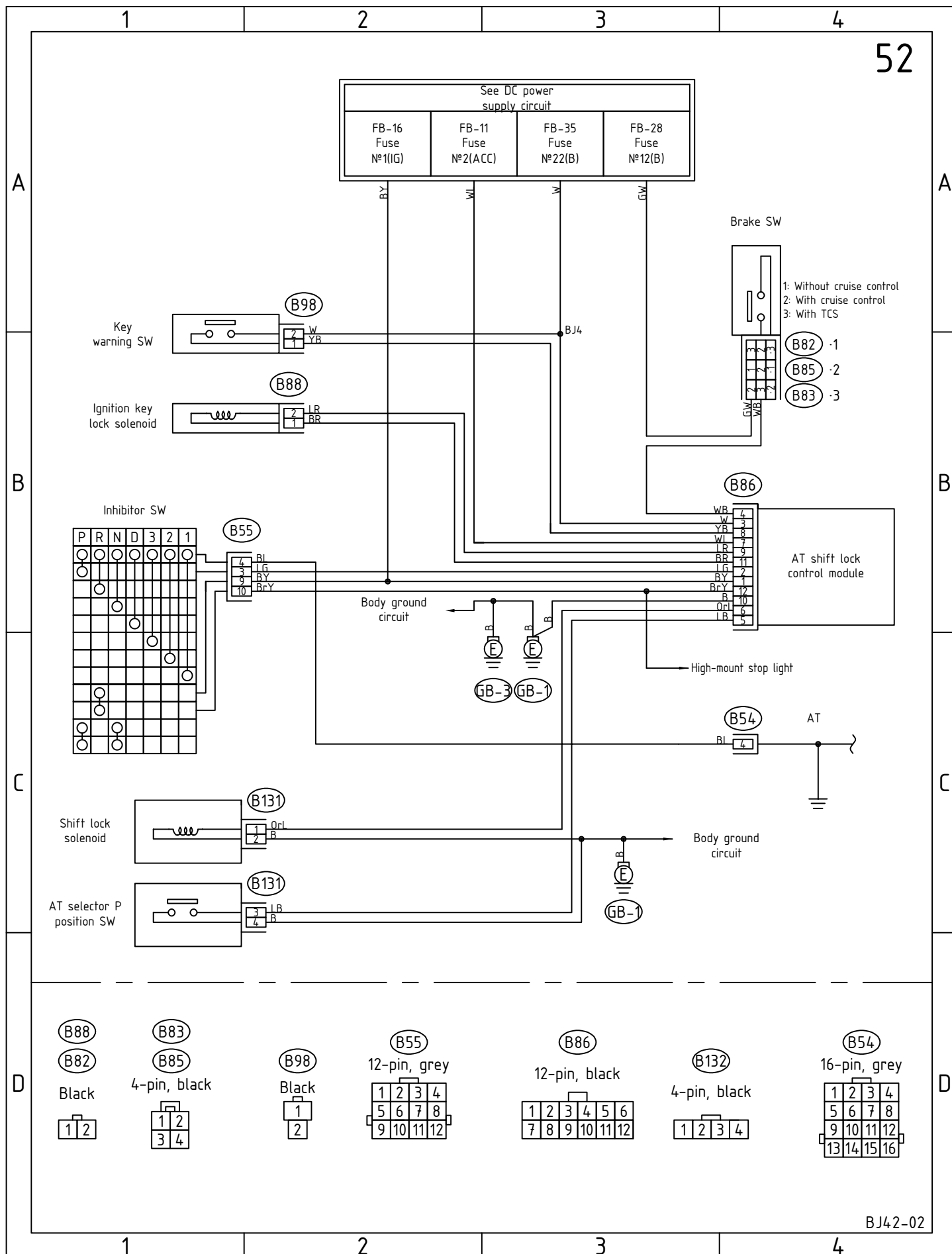
(12) AT control circuit (2.0L and 2.5L, 4AT)



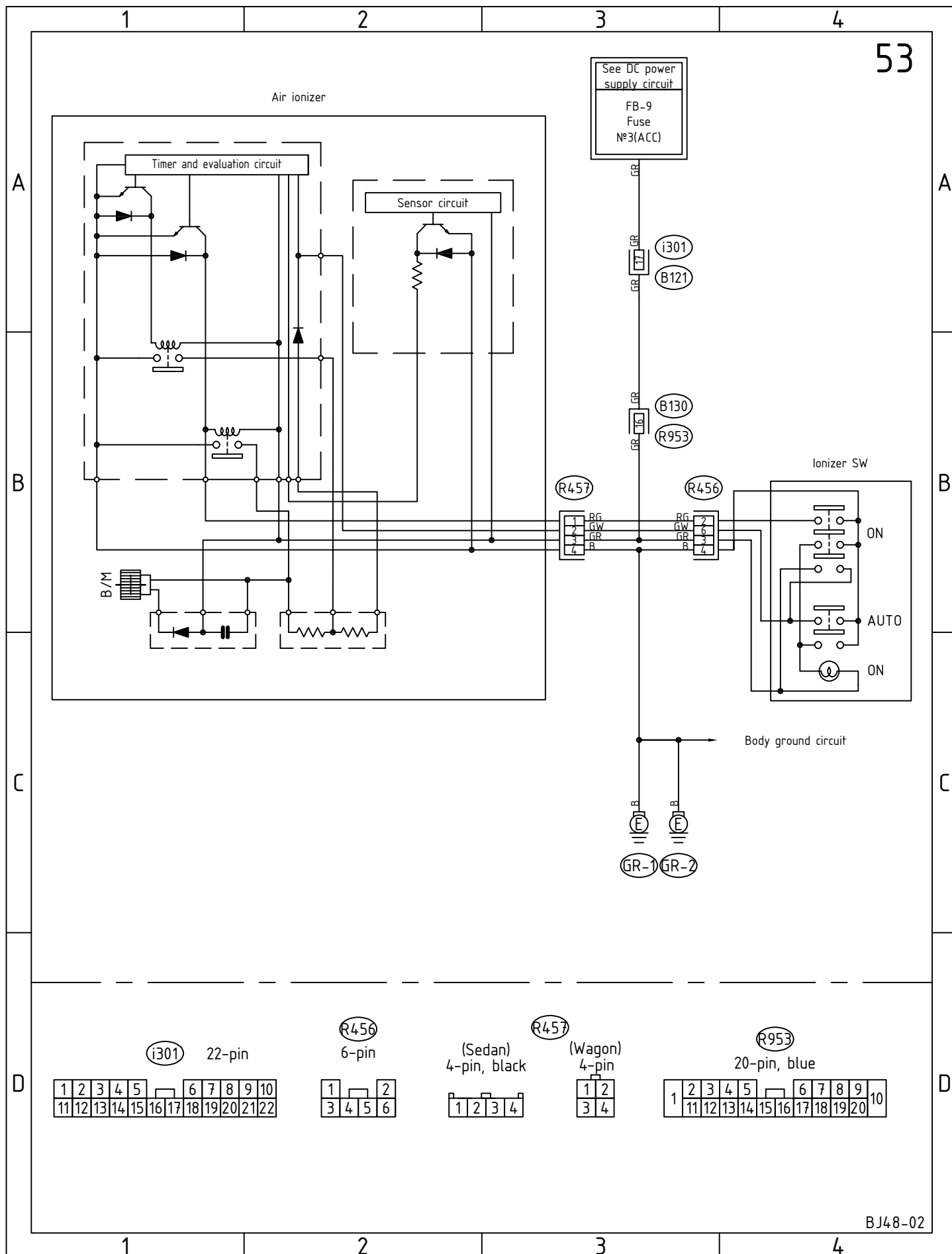
(12) AT control circuit (2.0L and 2.5L, 4AT)



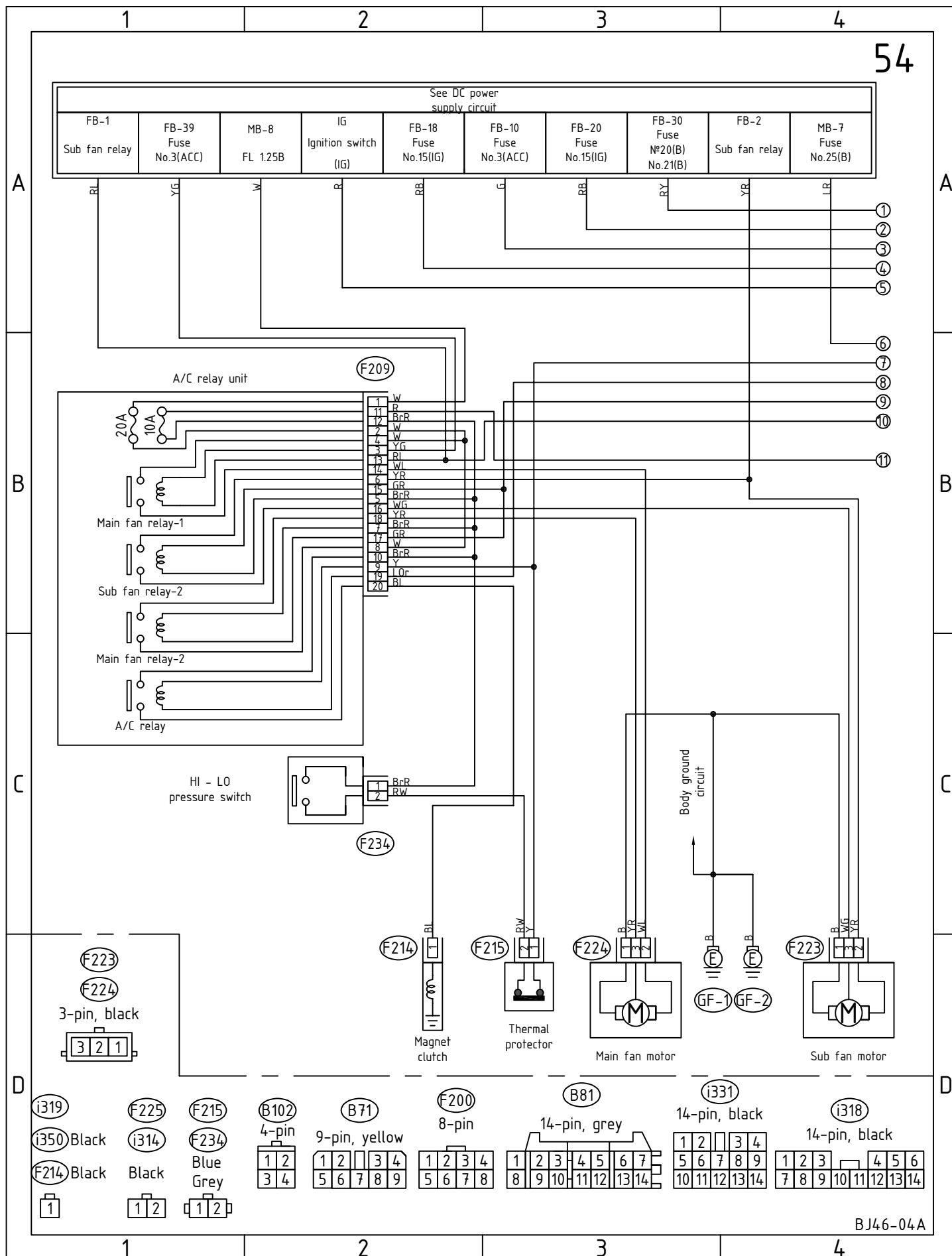
(13) AT shift lock control circuit



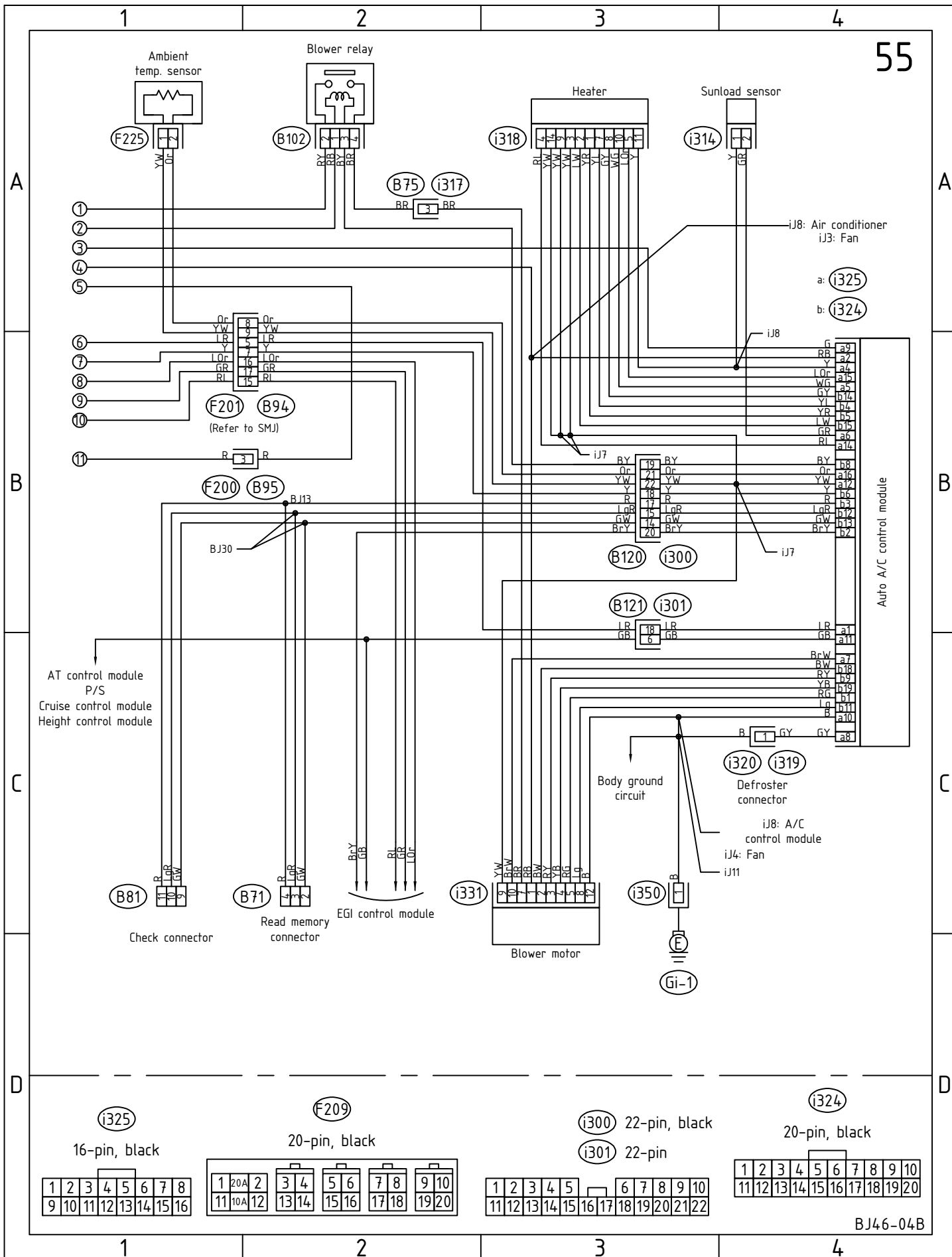
(14) Ionizer circuit



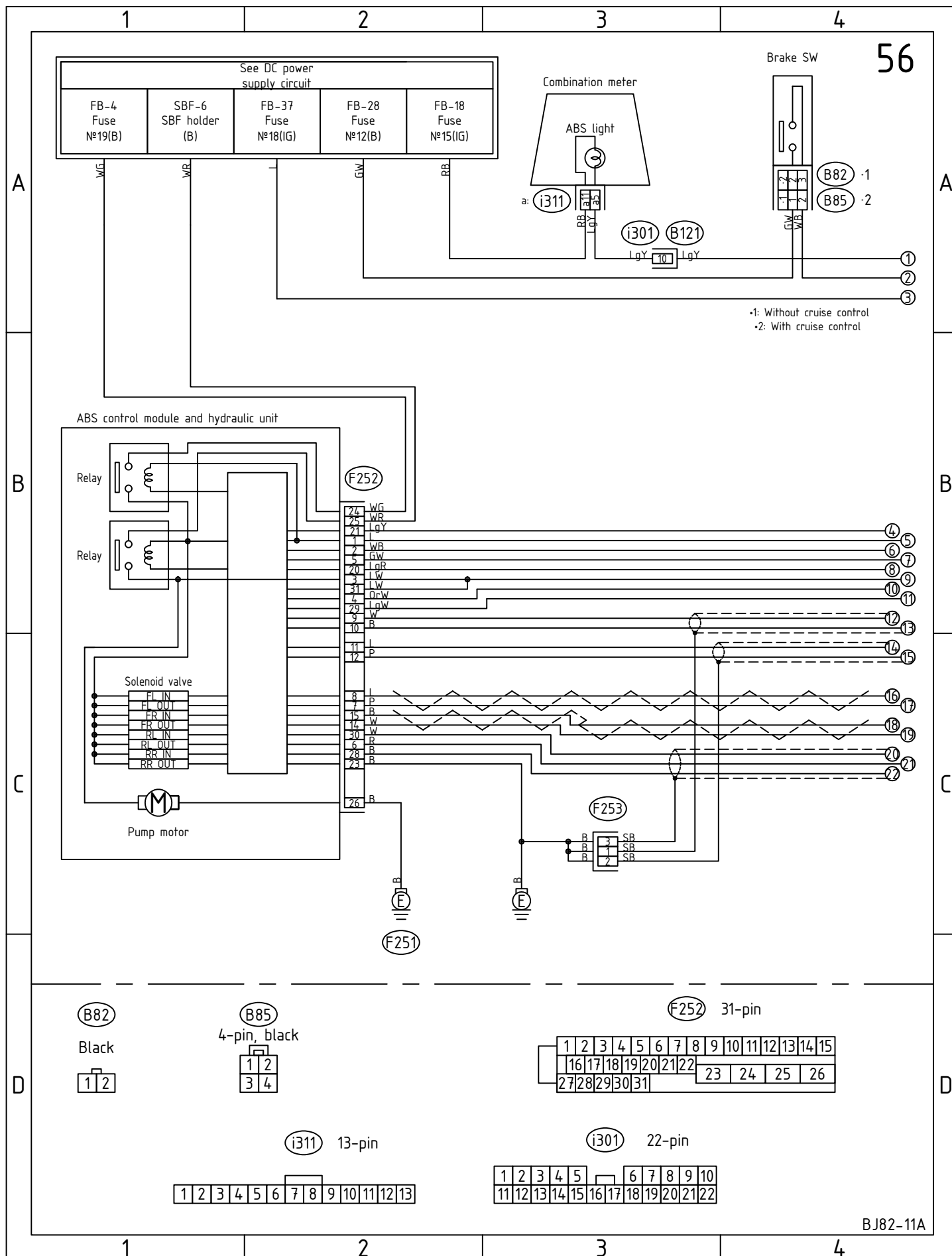
(15) Air conditioner circuit



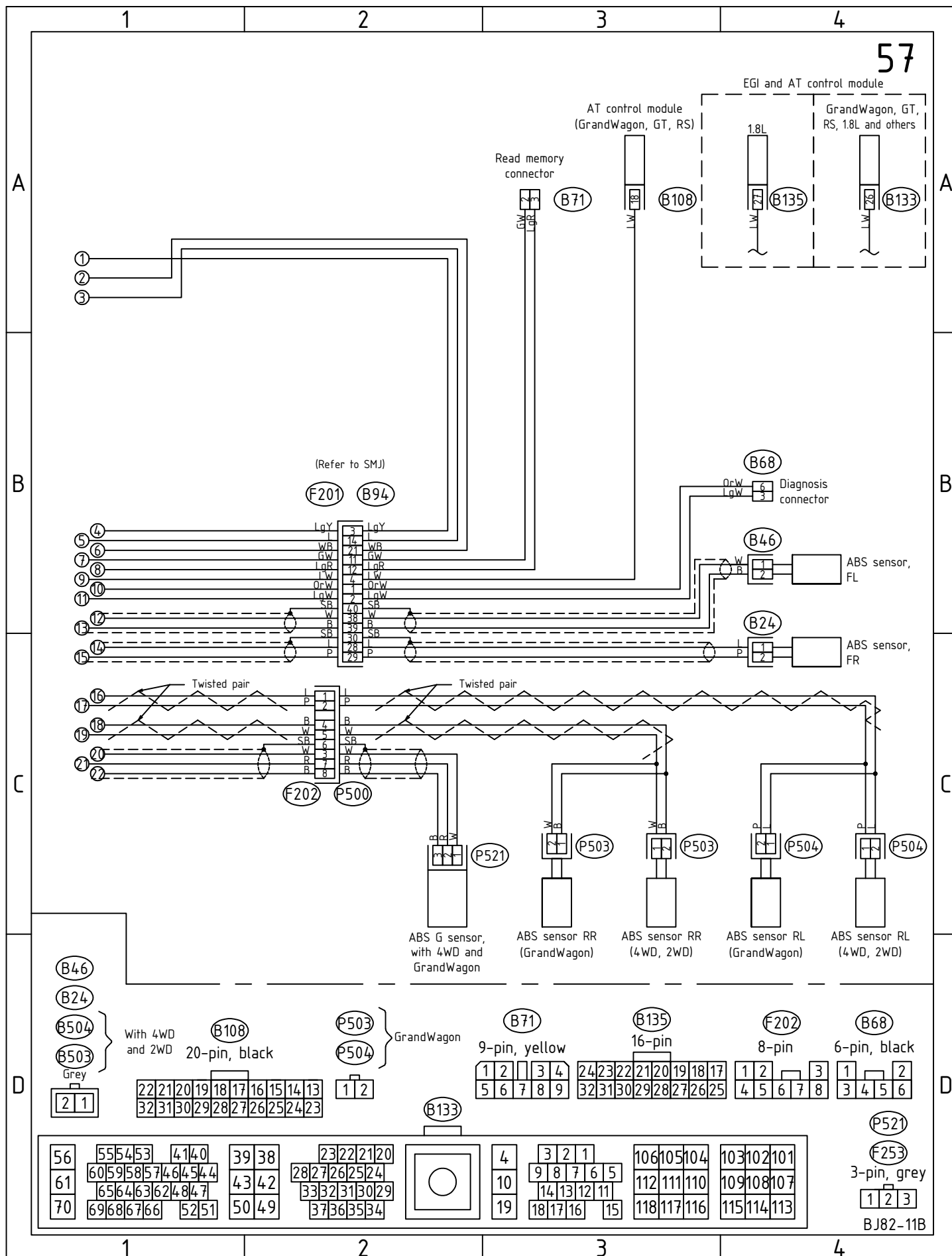
(15) Air conditioner circuit



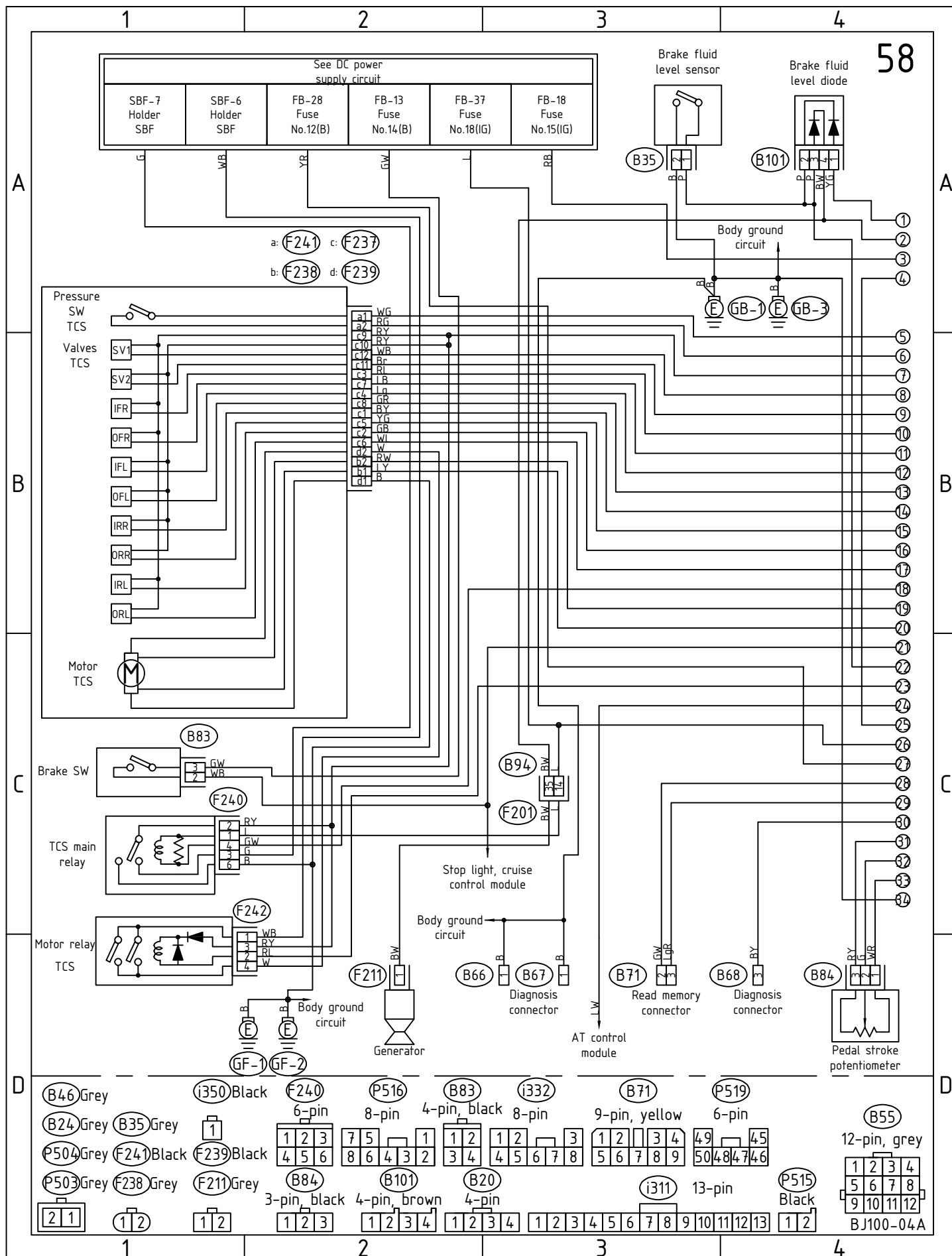
(16) ABS control circuit



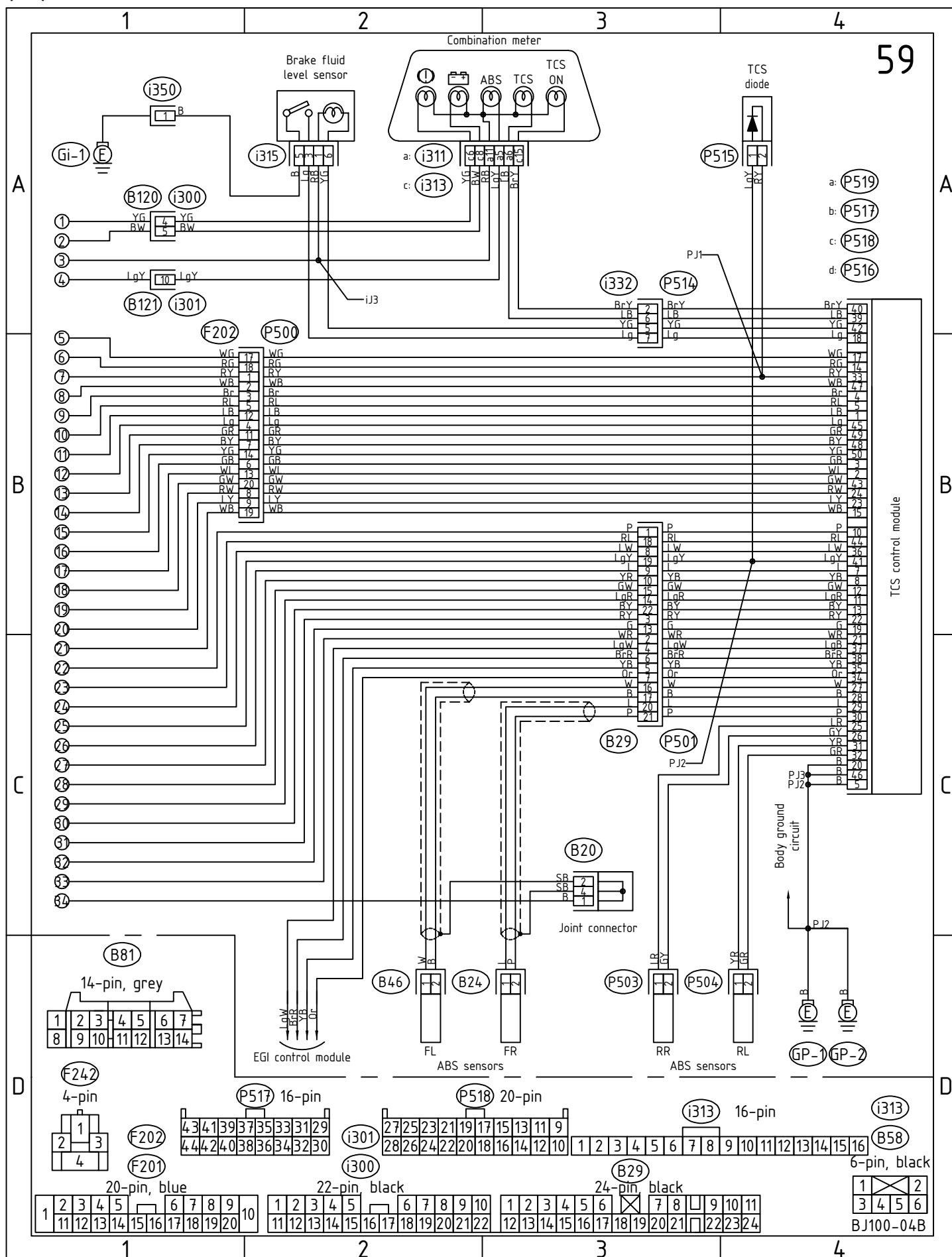
(16) ABS control circuit



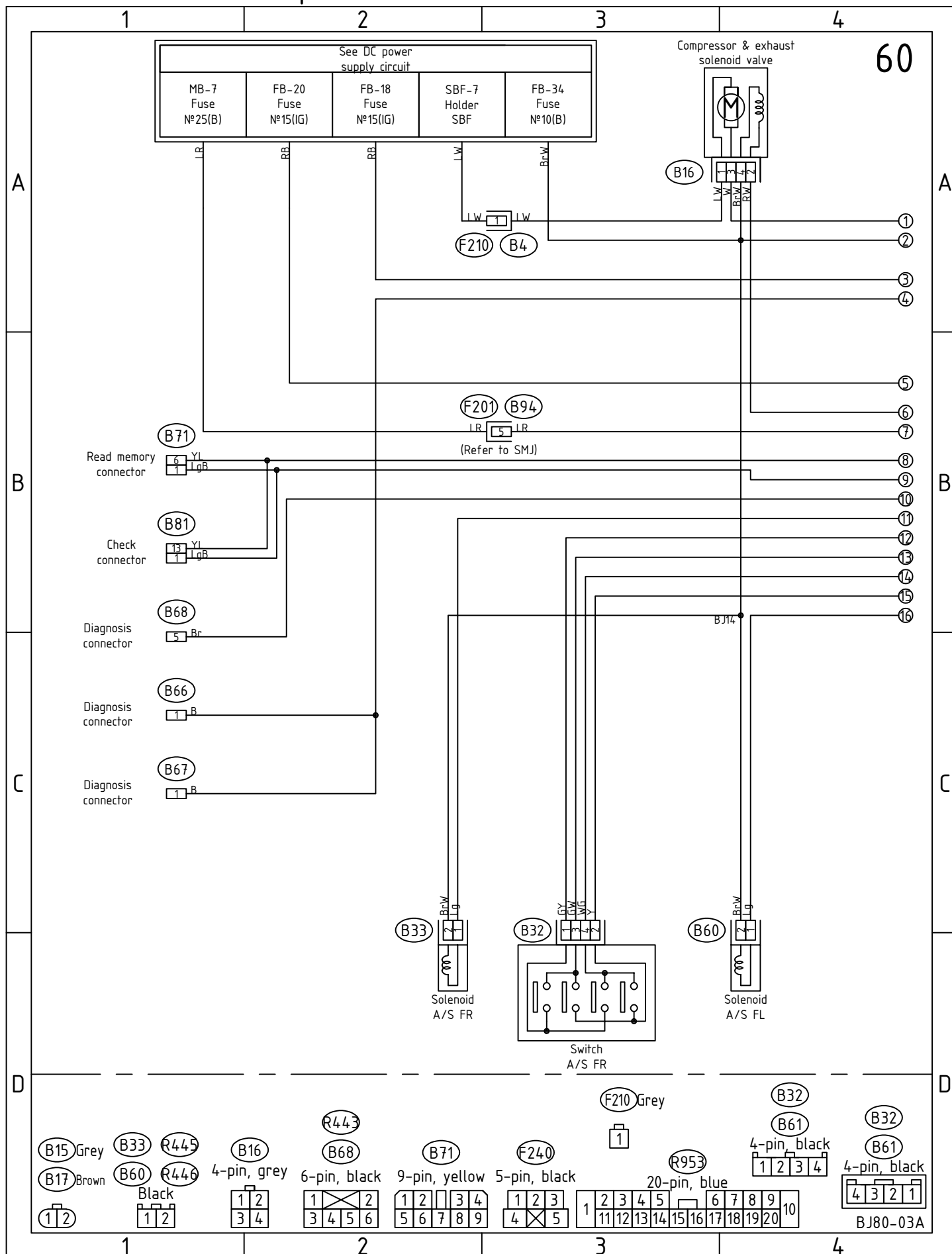
(17) TCS control circuit



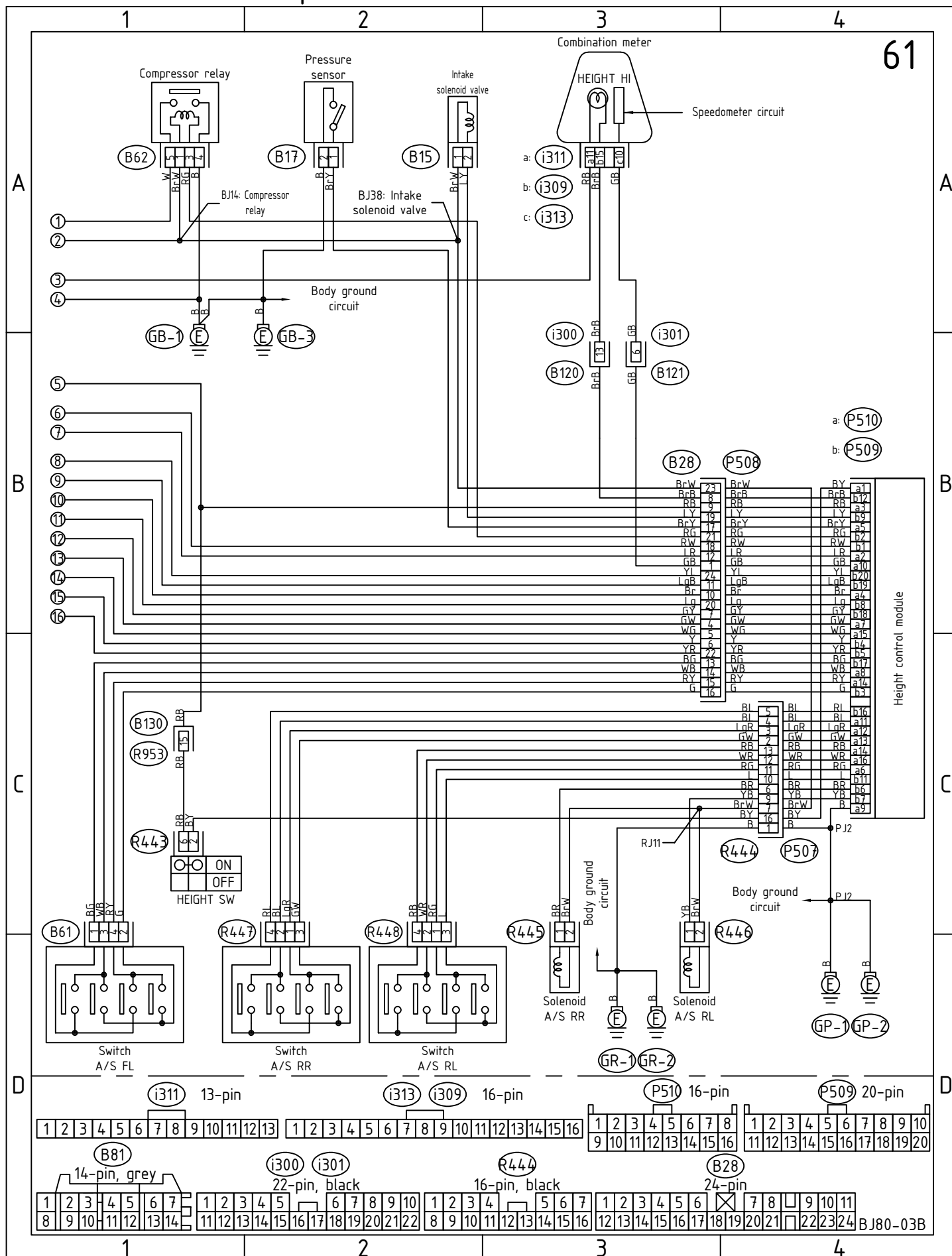
(17) TCS control circuit



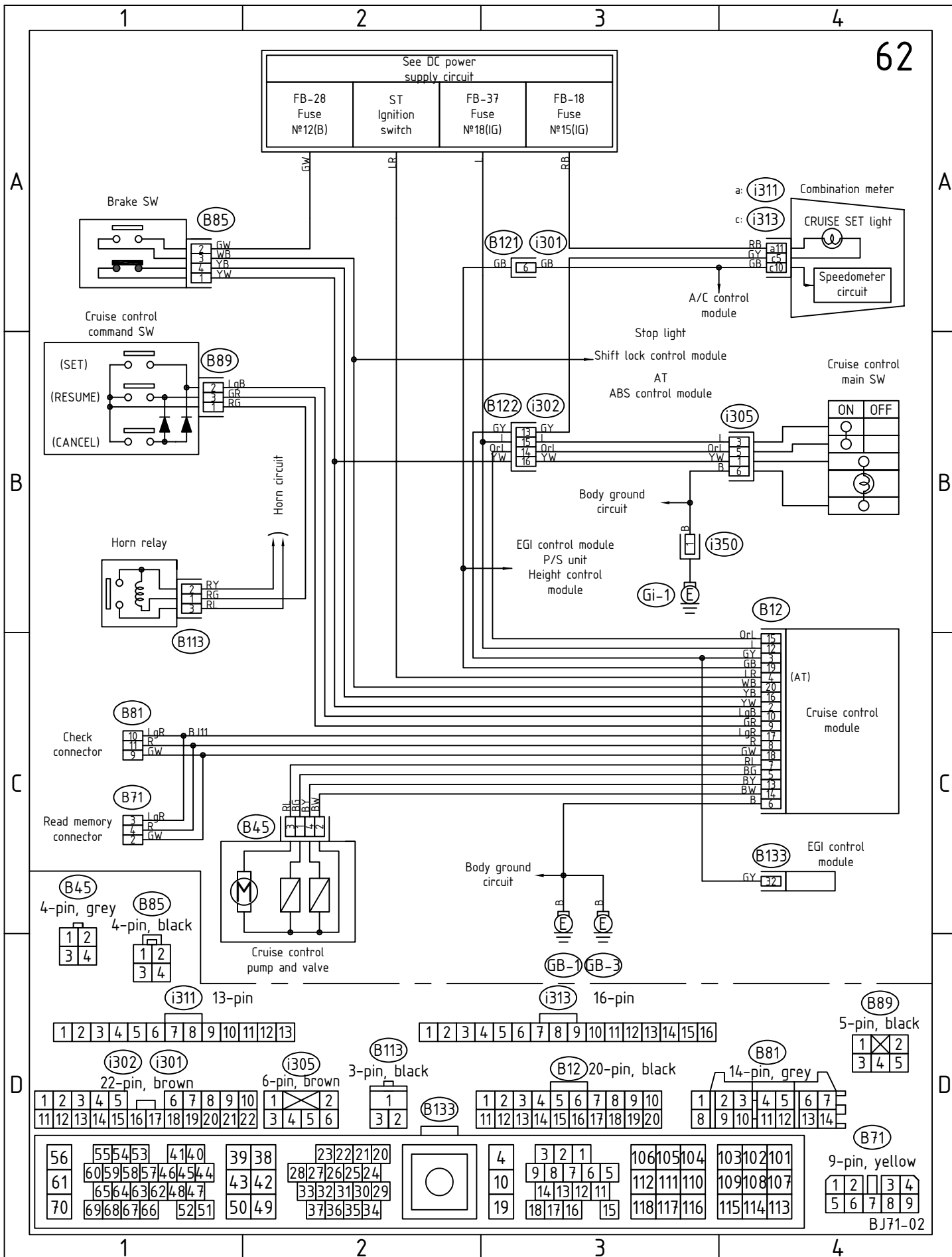
(18) Electronic air suspension circuit



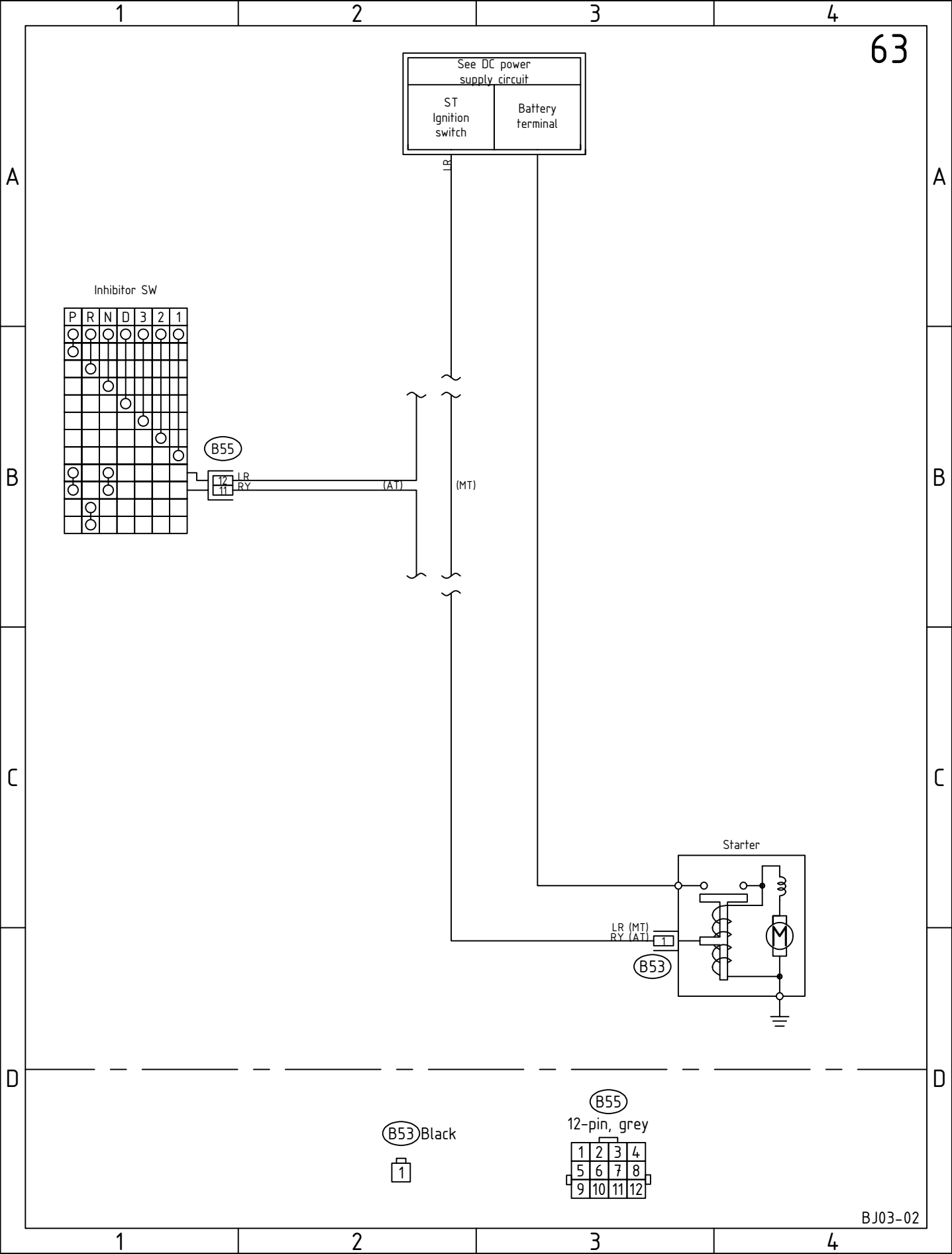
(18) Electronic air suspension circuit



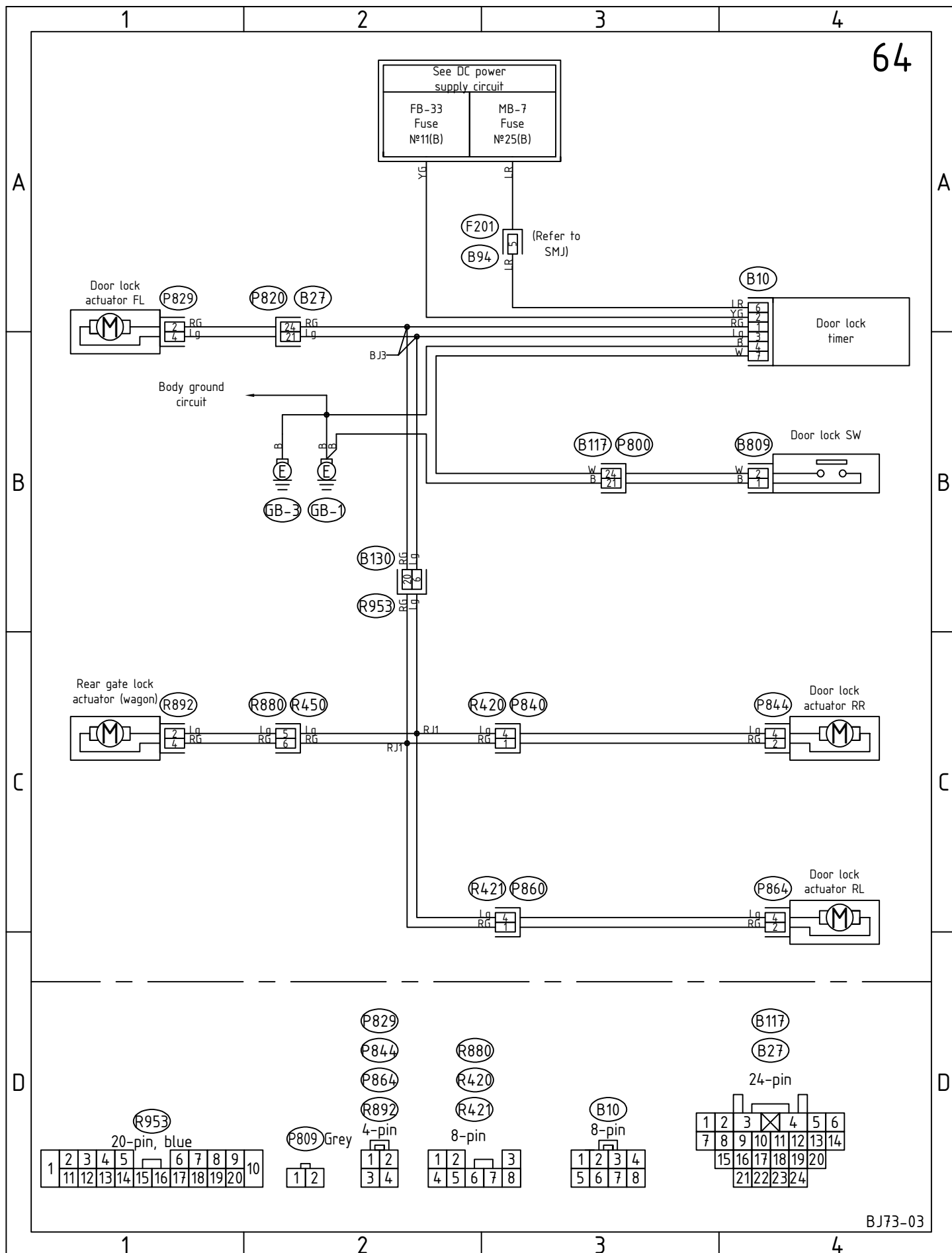
(19) Cruise control circuit



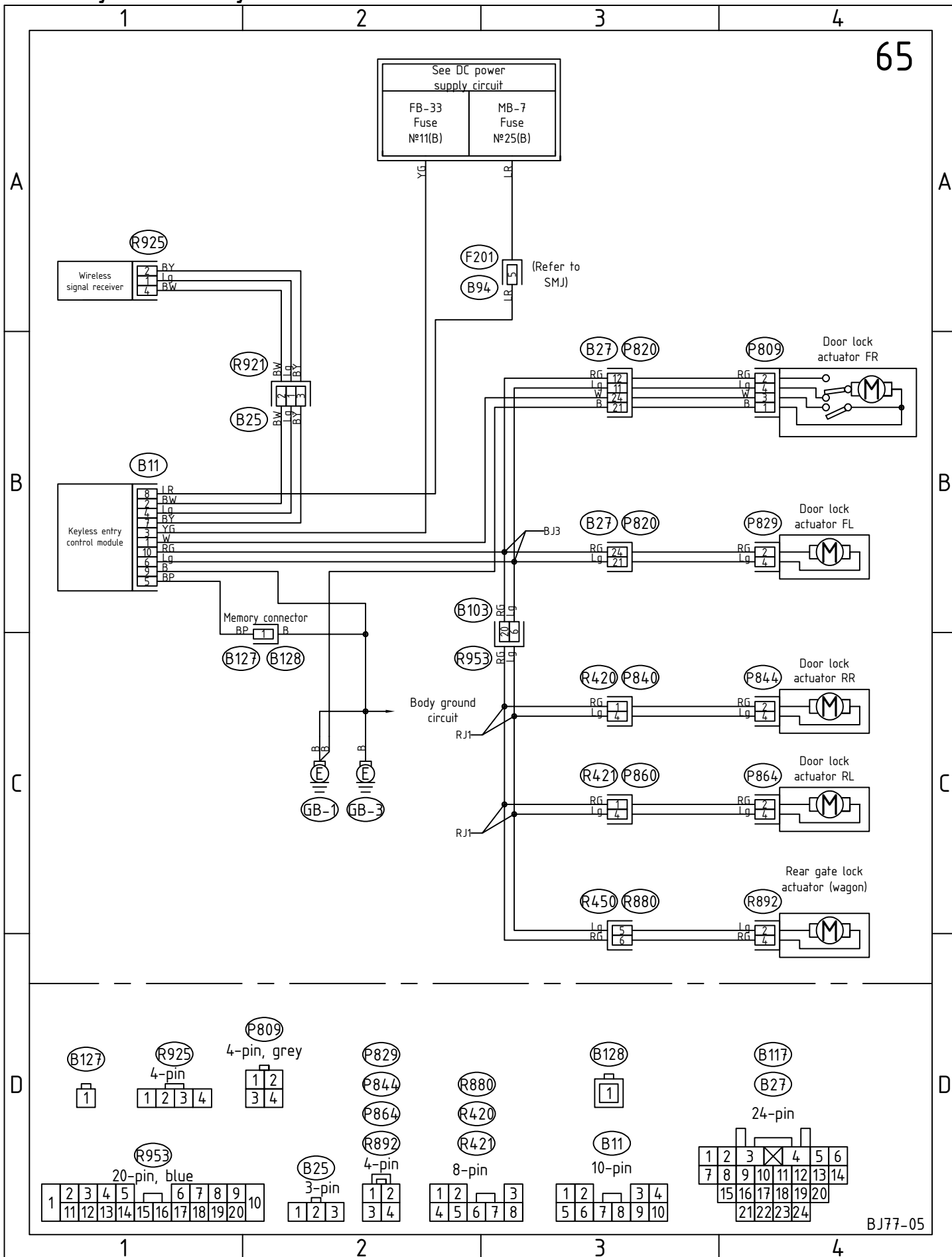
(20) Starter circuit



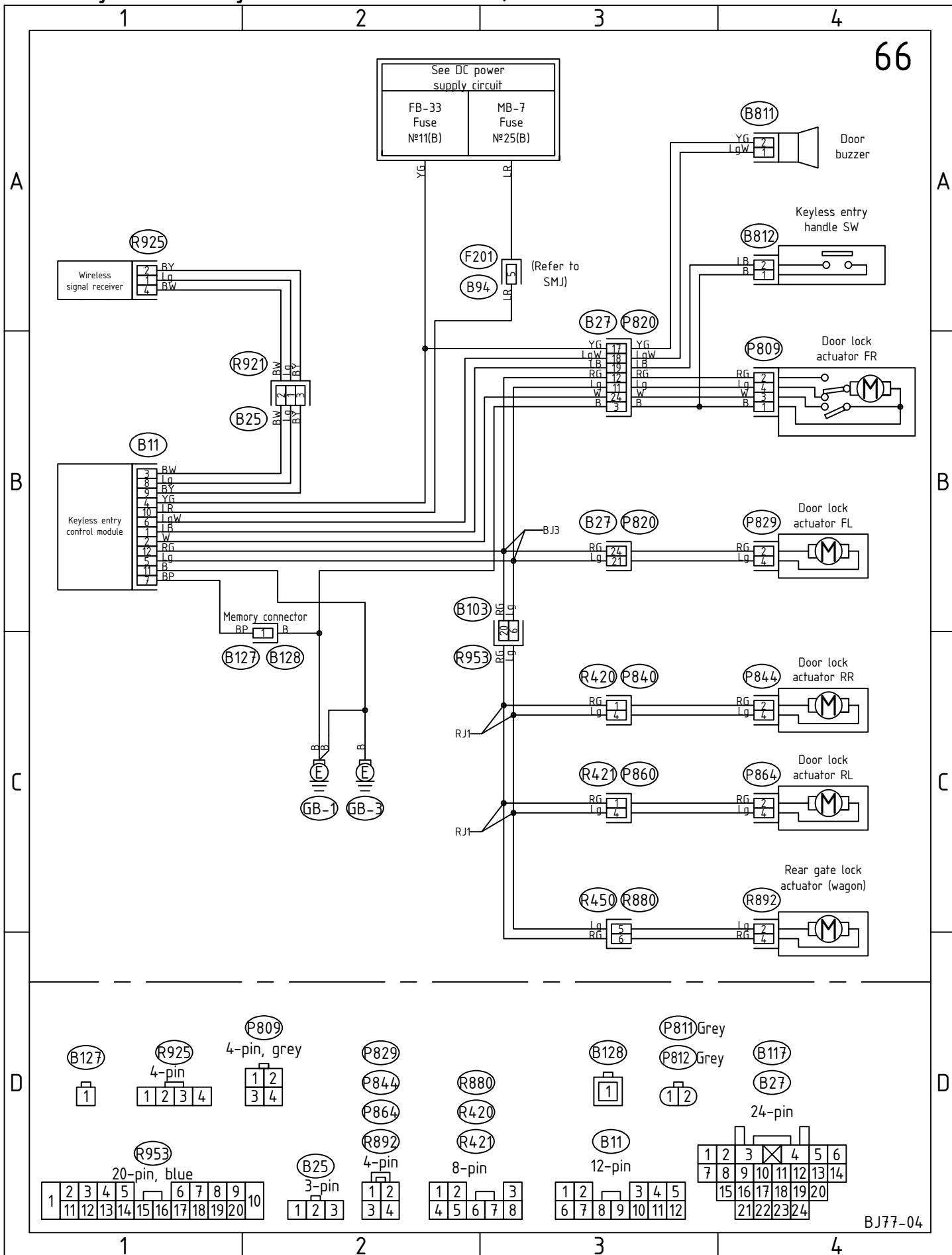
(21) Power door lock circuit



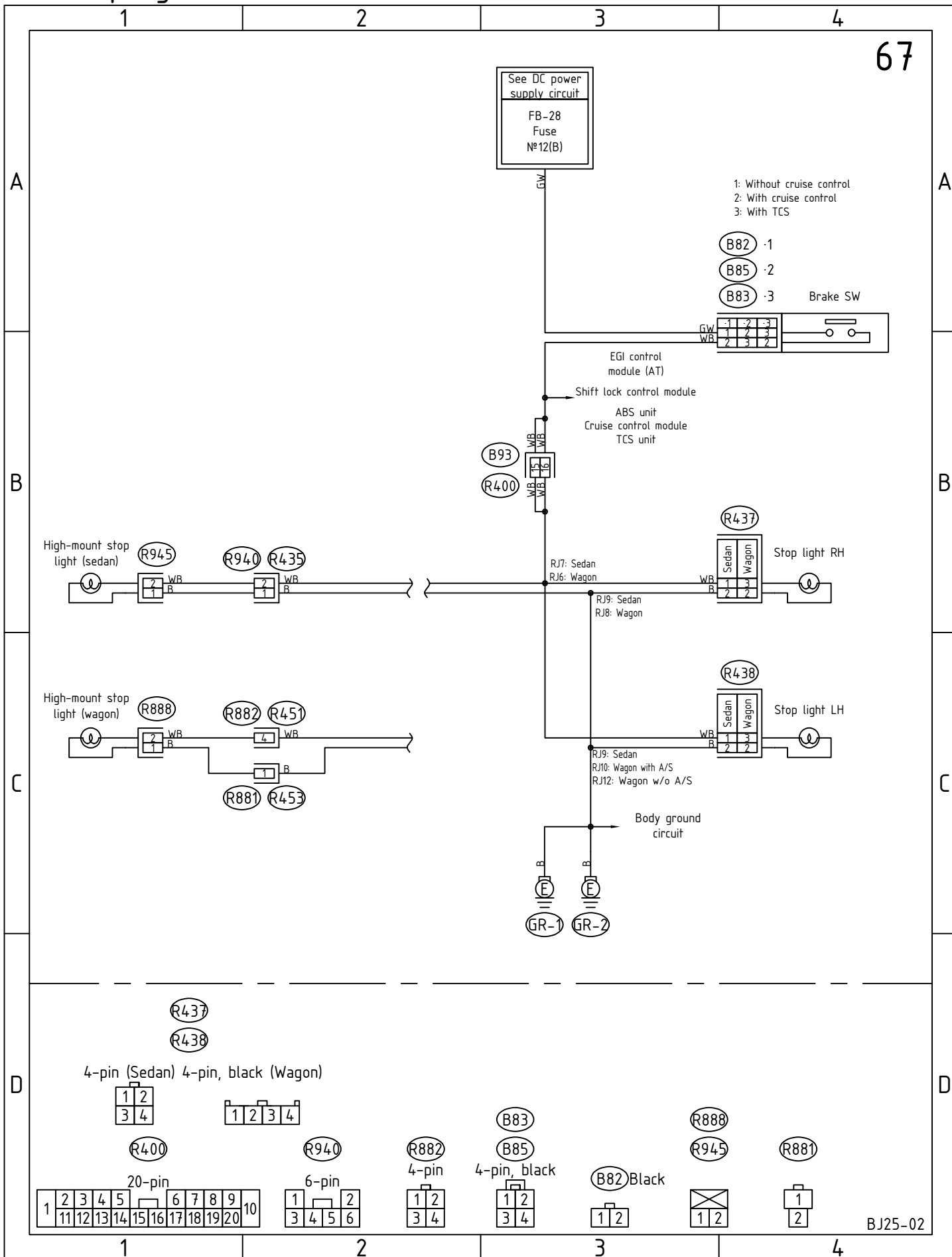
(22) Keyless entry circuit (2.0L non-turbo)



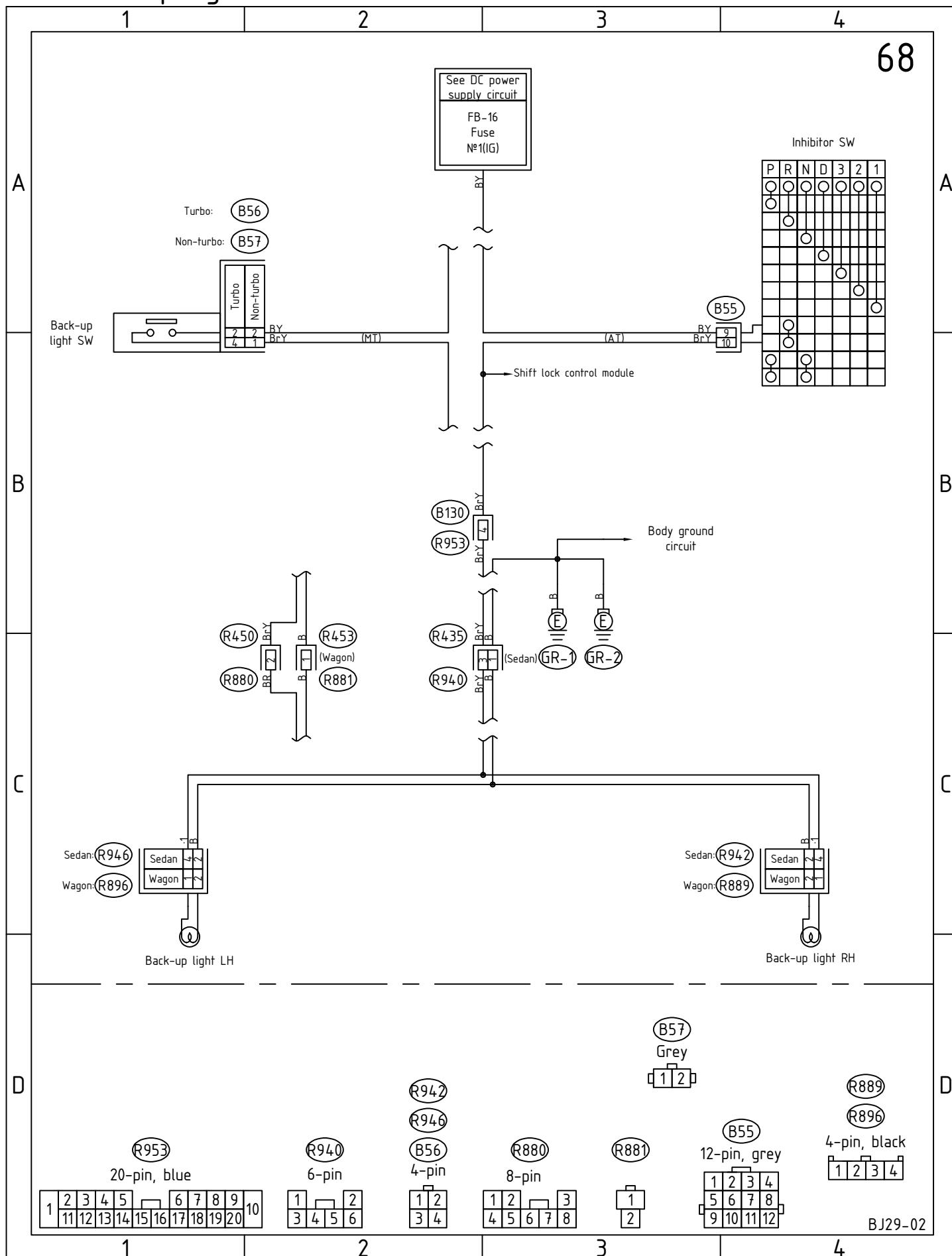
(23) Keyless entry circuit (2.0L turbo, 250T)



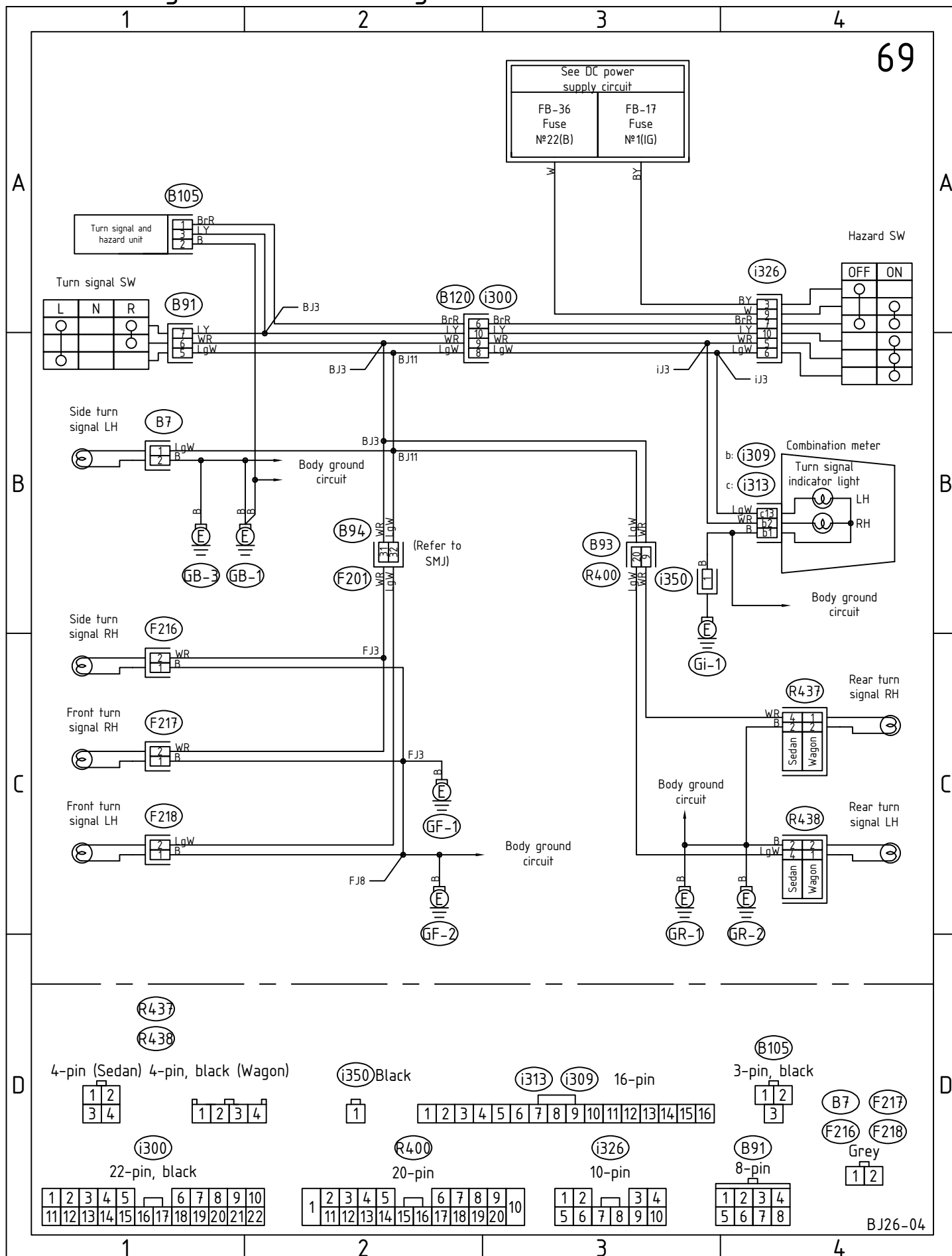
(24) Stop light circuit



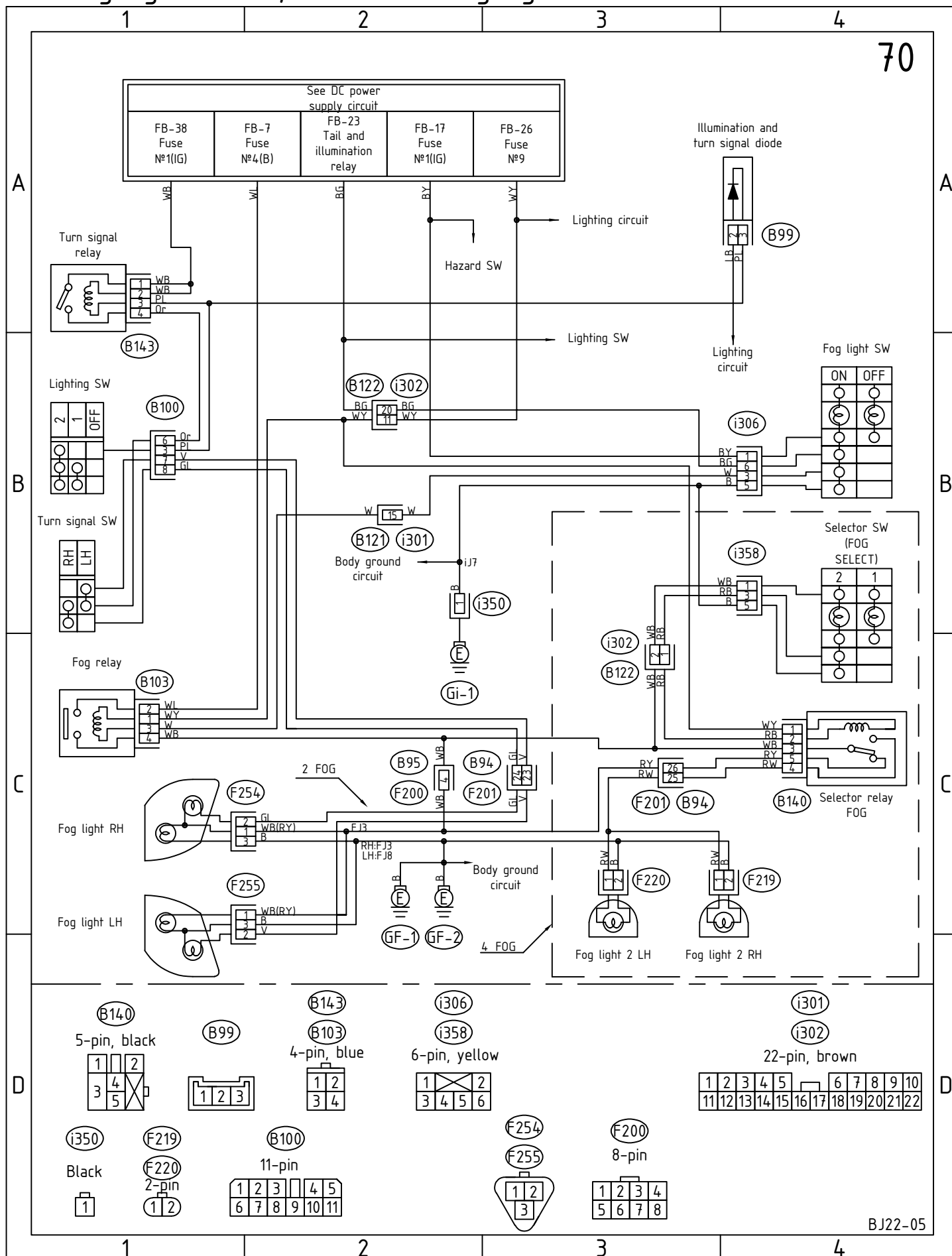
(25) Back-up light circuit



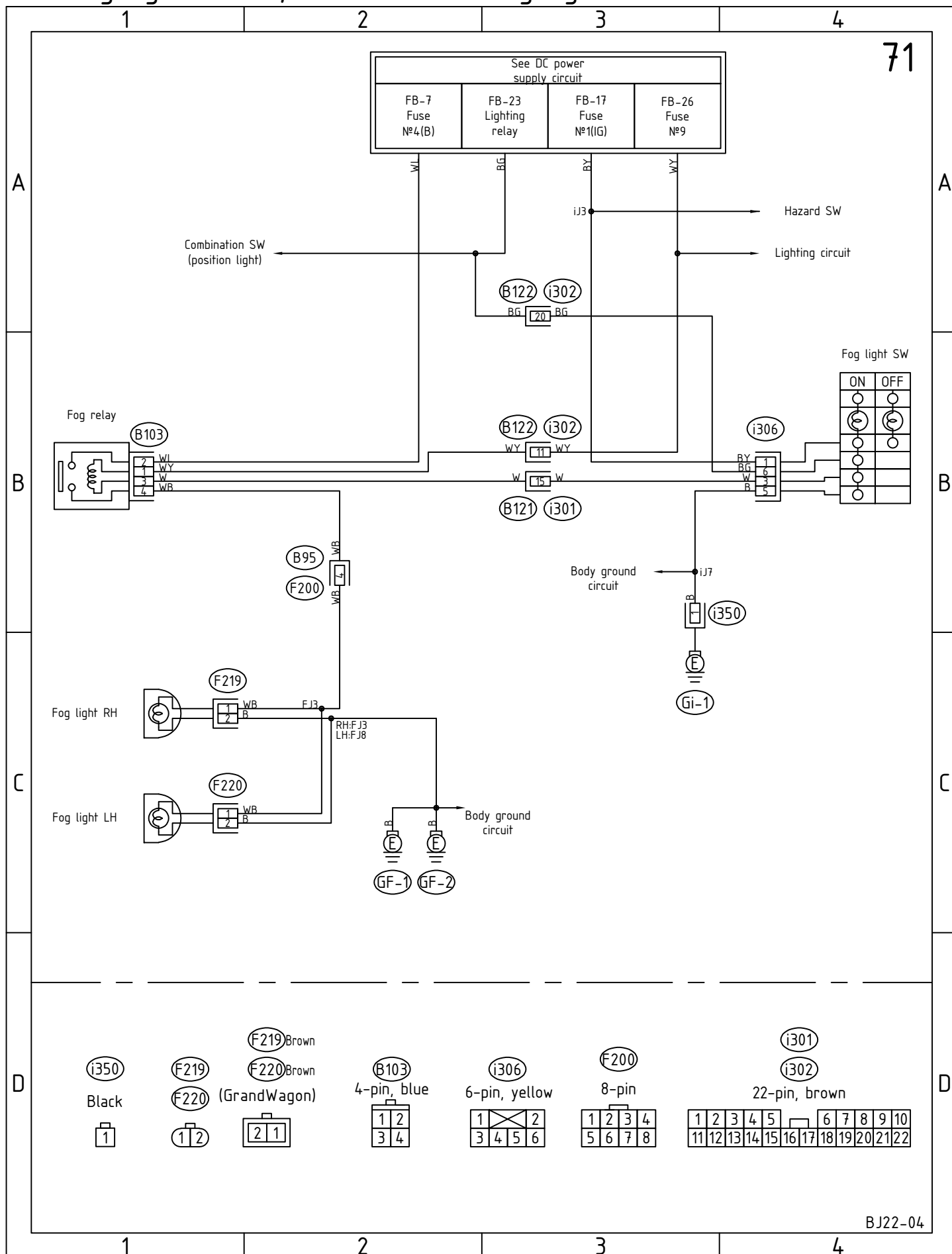
(26) Turn signal and hazard light circuit



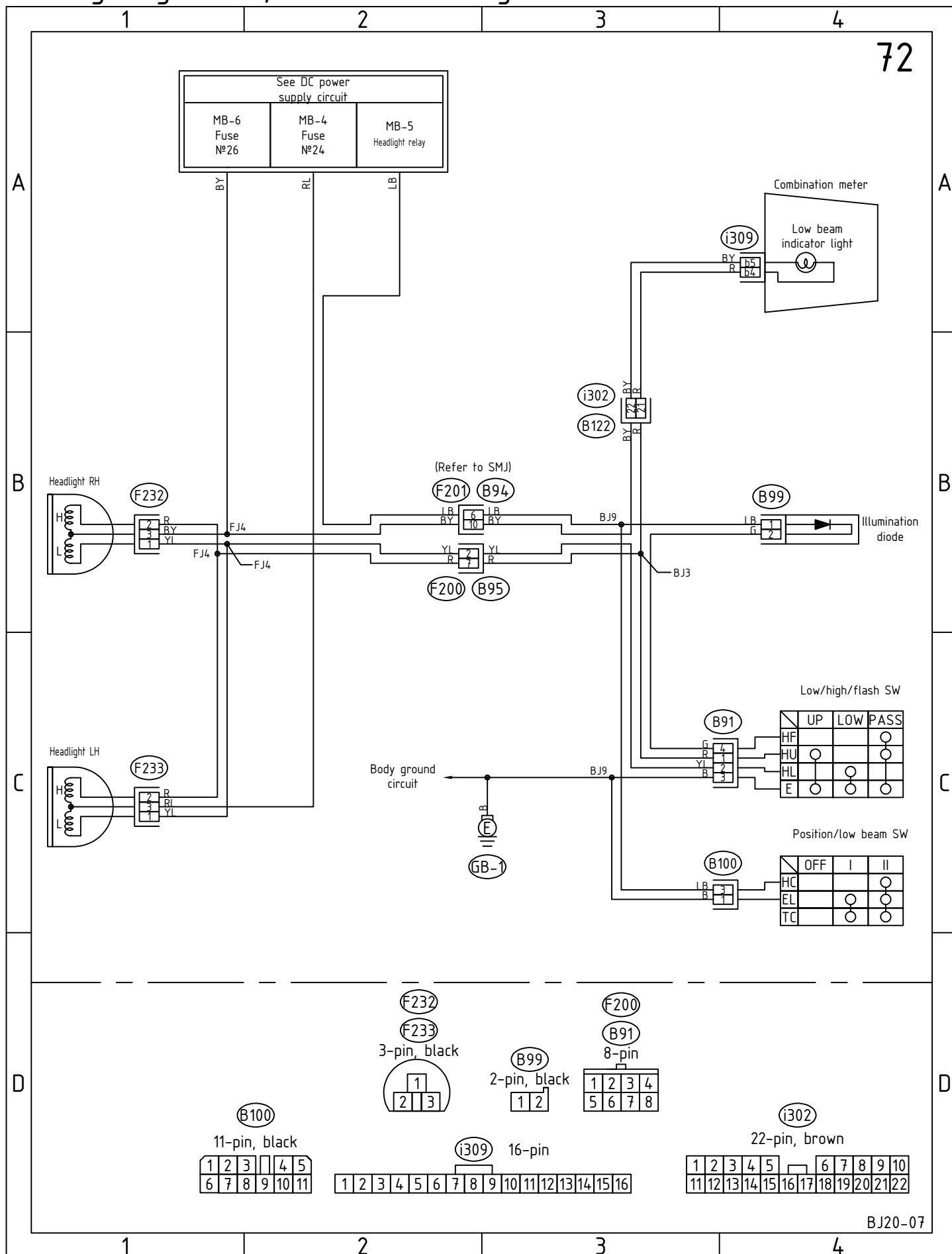
(27) Fog light circuit, with cornering light



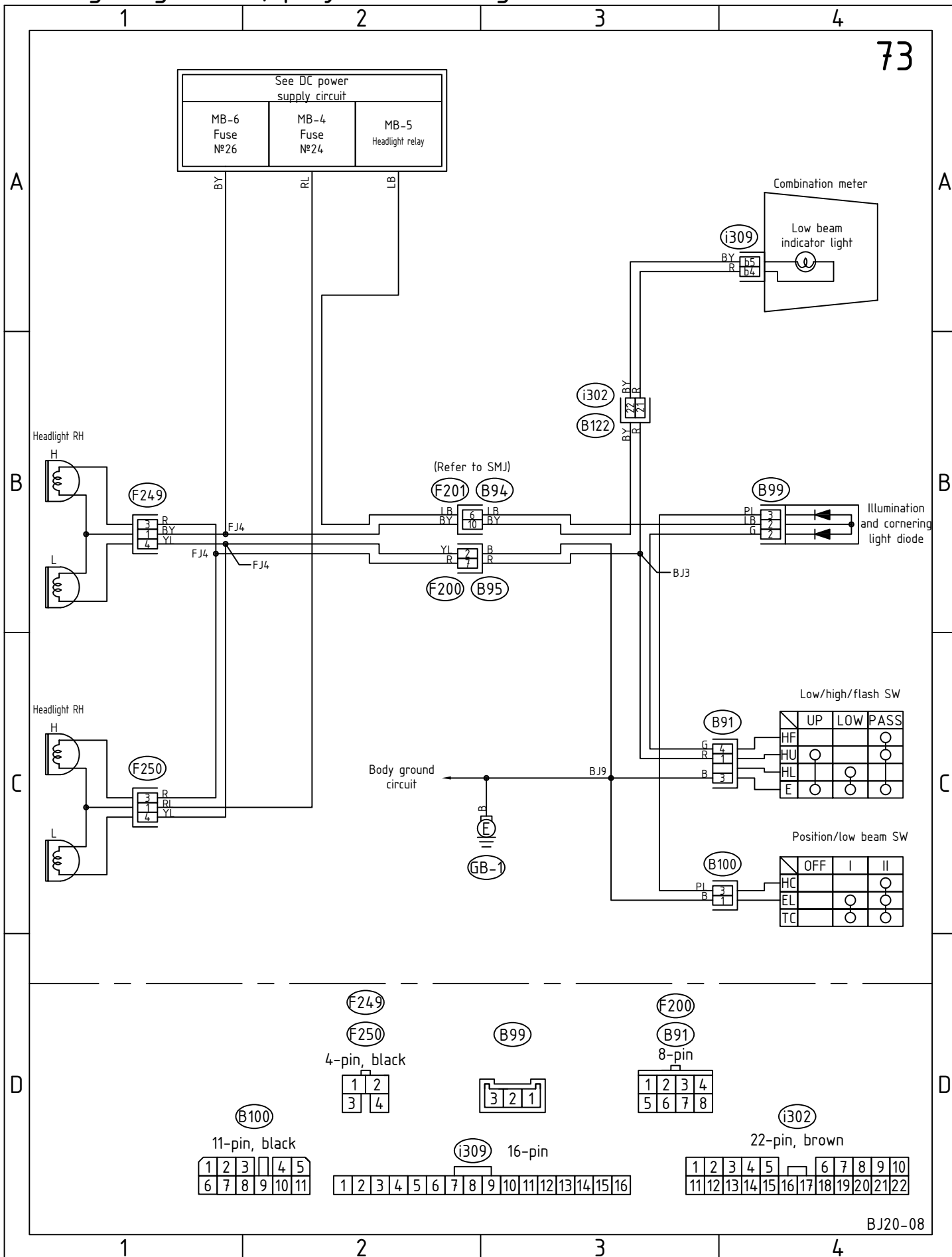
(28) Fog light circuit, without cornering light



(29) Lighting circuit, reflector headlight



(30) Lighting circuit, projector headlight



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(250T, 2.0 turbo)
To lighting circuit on LIMITED fog lights

(250T, 2.0 non-turbo, 1.8)

Position light FR

Position light FL

Body ground circuit

Fog relay
Fog selector relay (LIMITED)

Position light RR

Position light RL

AT HOLD SW illumination

Body ground circuit

AT selector and POWER SW illumination

Body ground circuit

License plate light

Rear gate position light RH

Rear gate position light LH

License plate light

Rear gate position light RH

Rear gate position light LH

Seat heater SWs

Wiper deicer SW

HEIGHT SW

4-pin (Sedan) 4-pin, black (Wagon)

11-pin, black

20-pin, blue

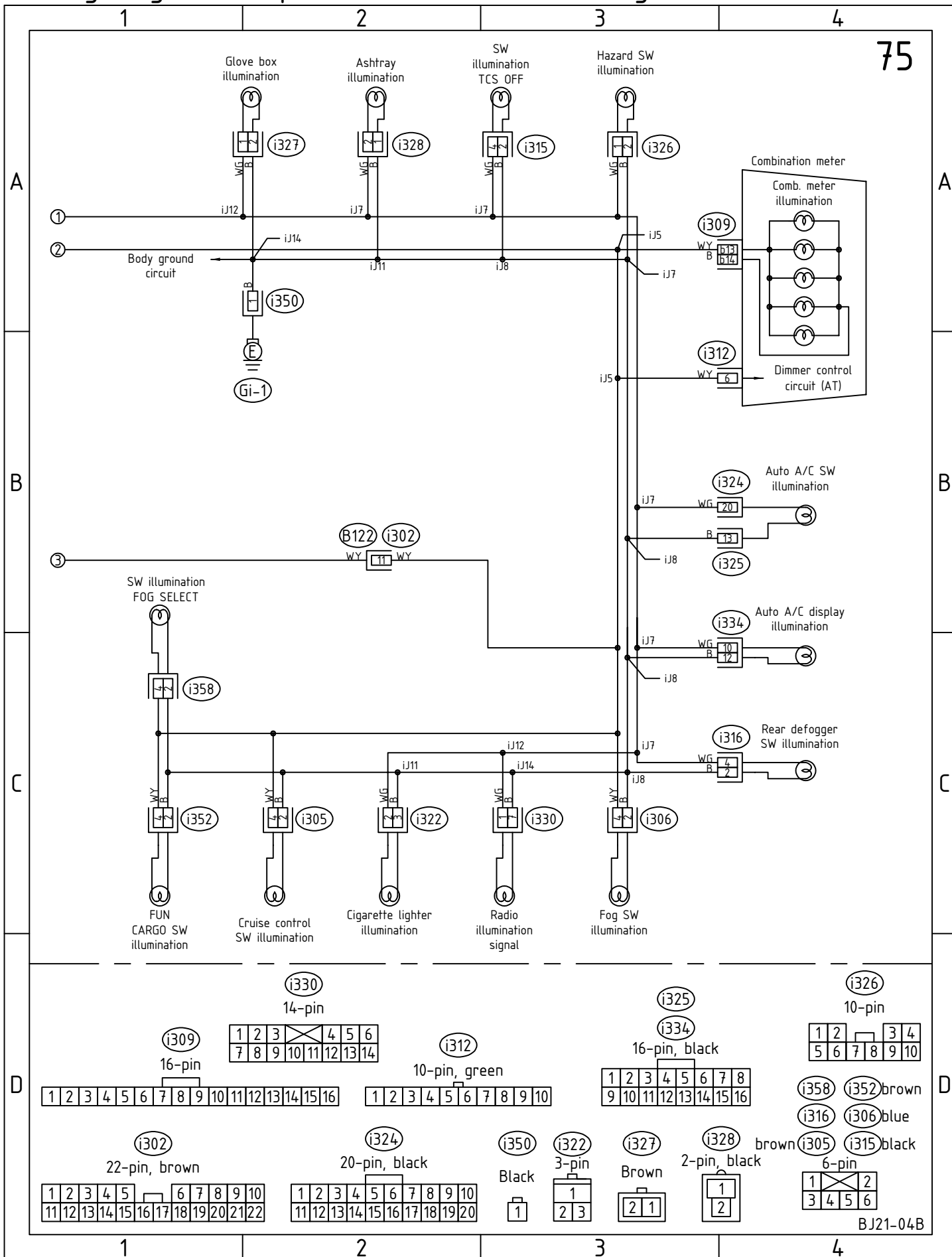
8-pin

6-pin

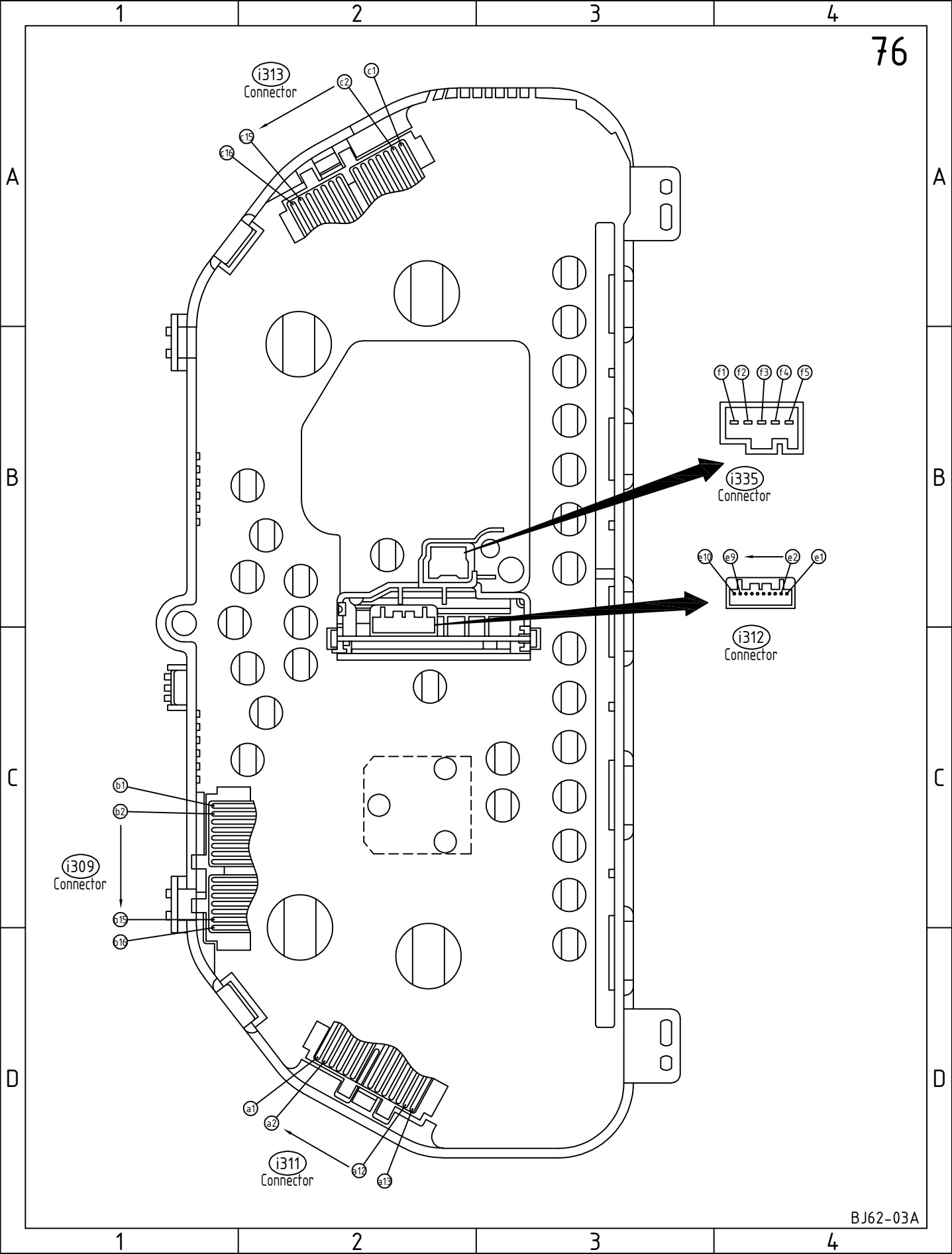
8-pin, black

BJ21-04A

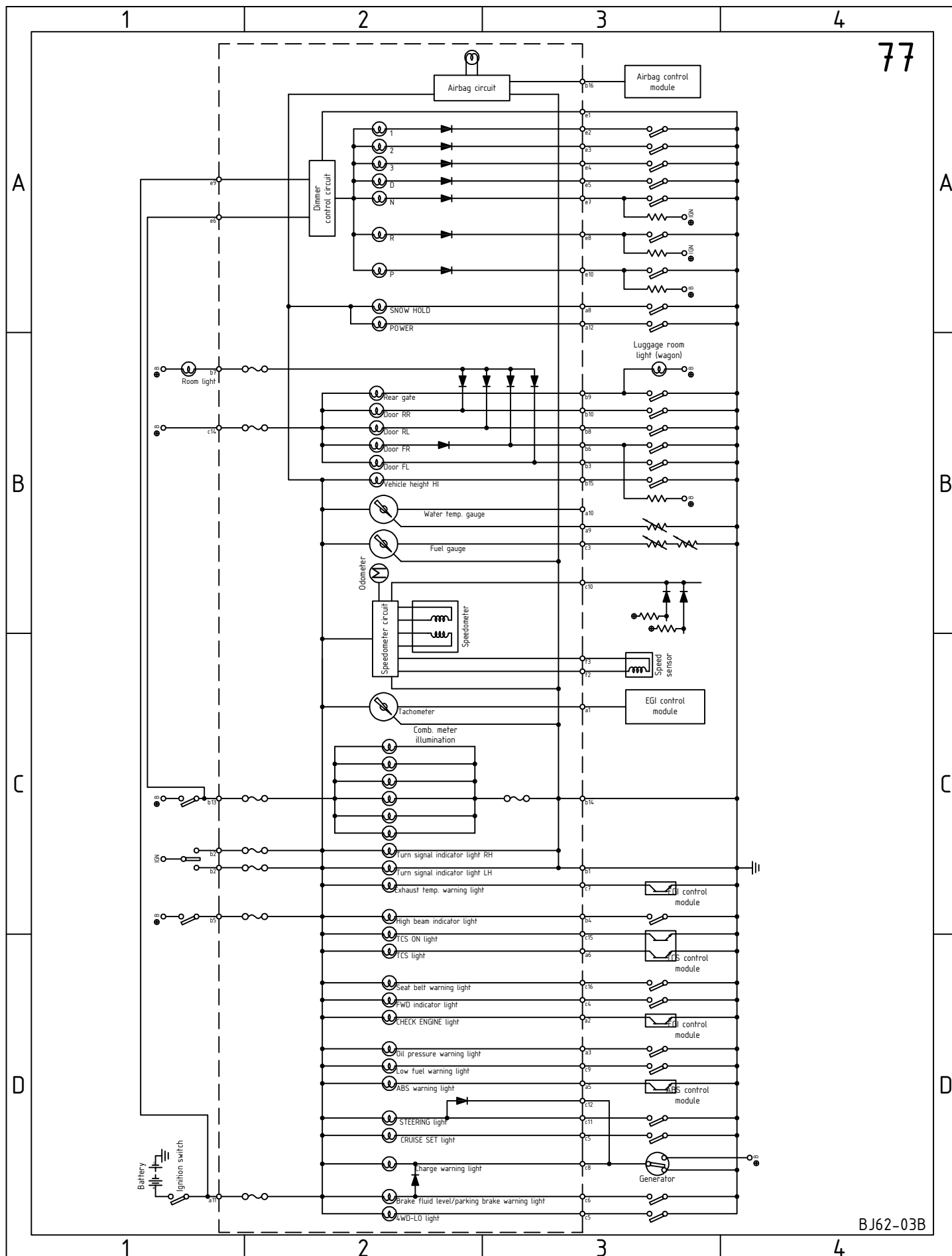
(31) Lighting circuit (position and illumination lights)



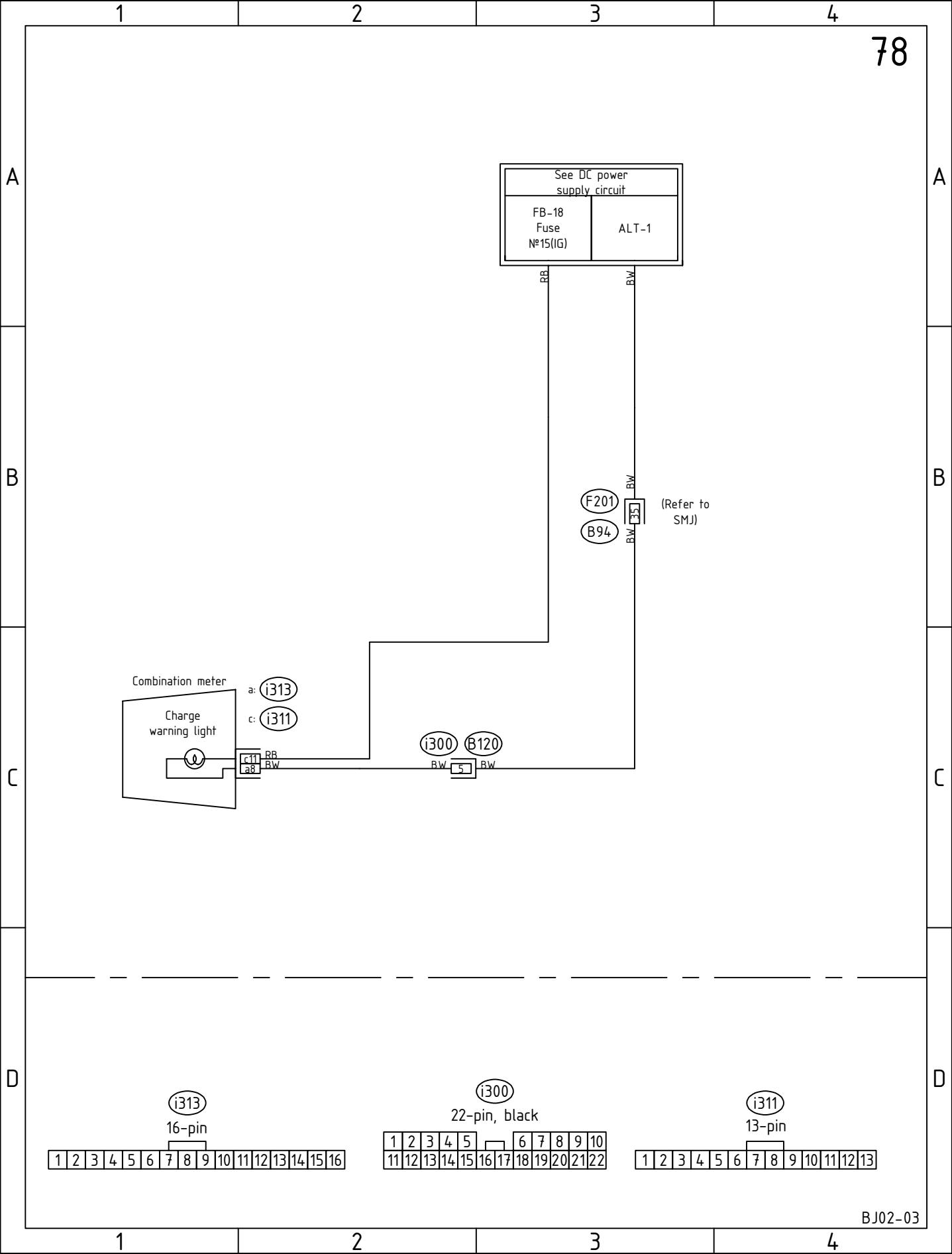
(32) Combination meter



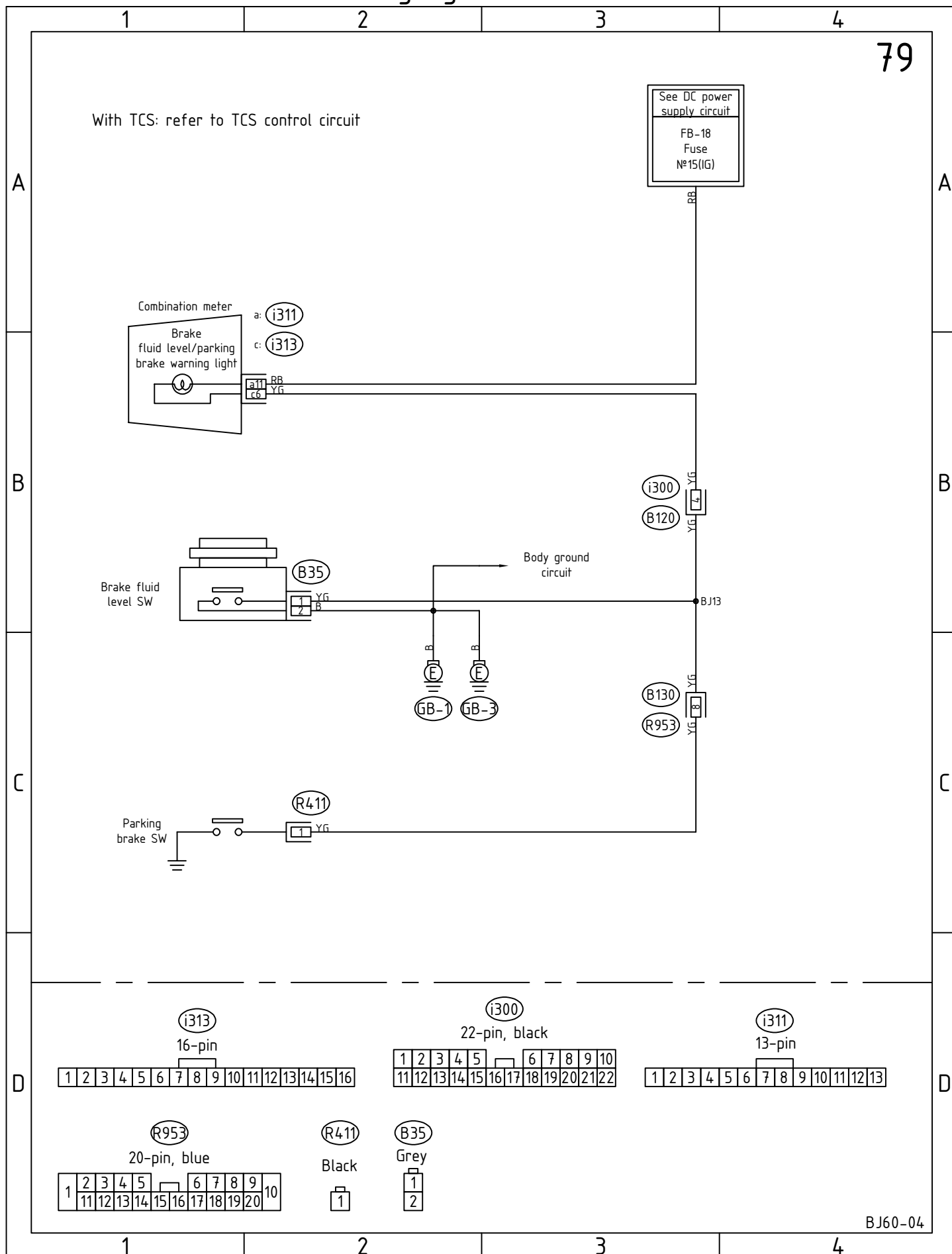
(32) Combination meter



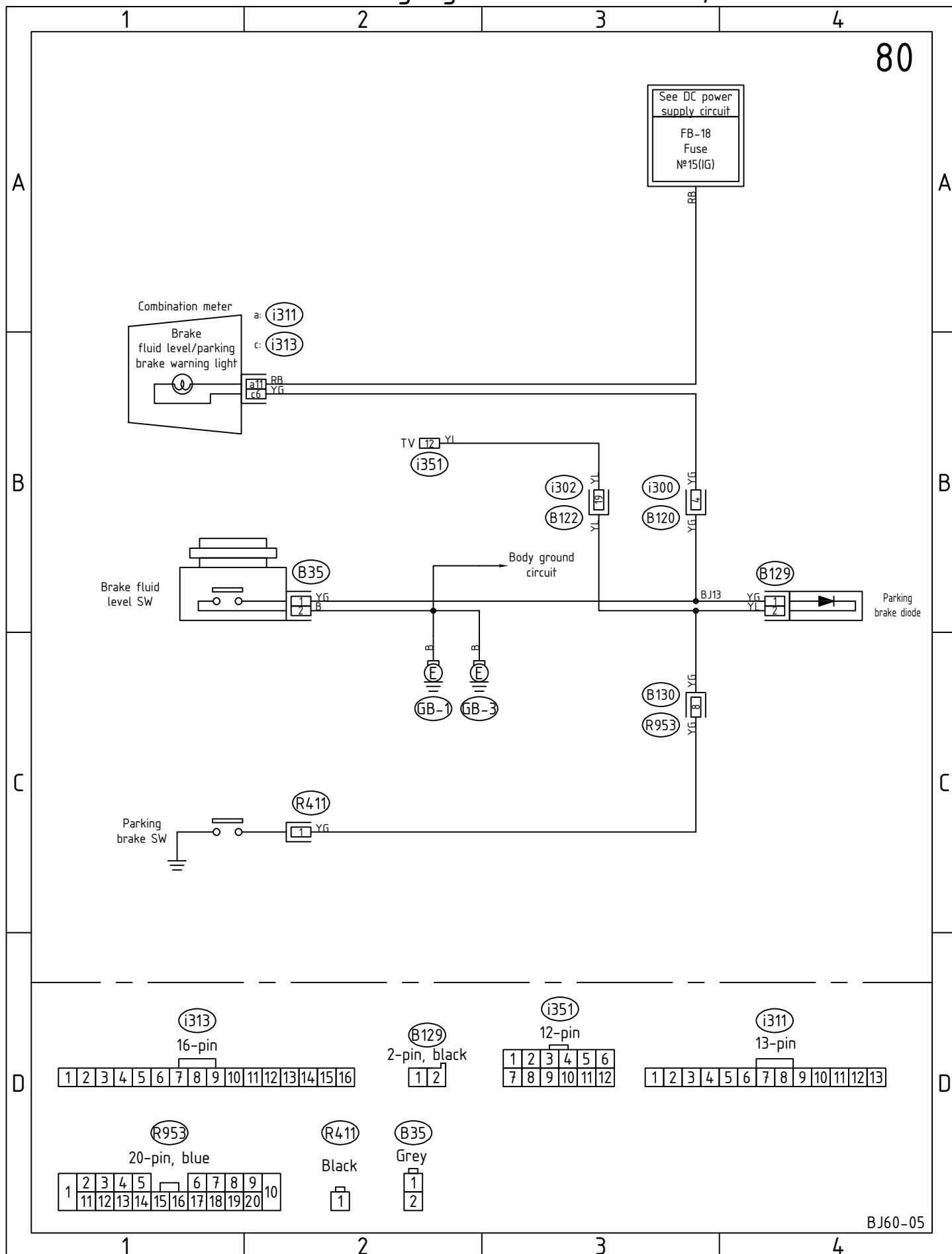
(33) Charge warning light circuit



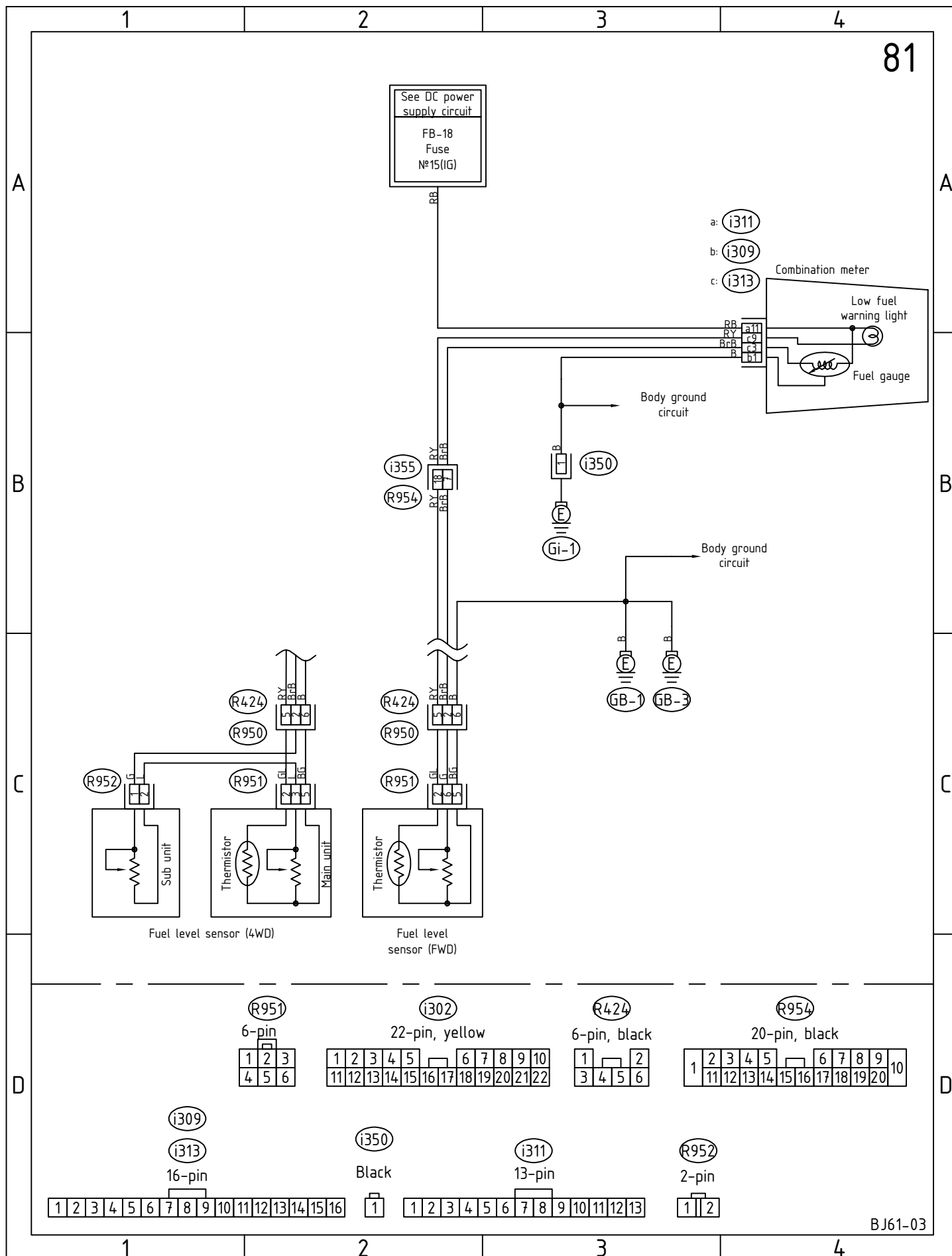
(34) Brake fluid level warning light circuit (without TCS)



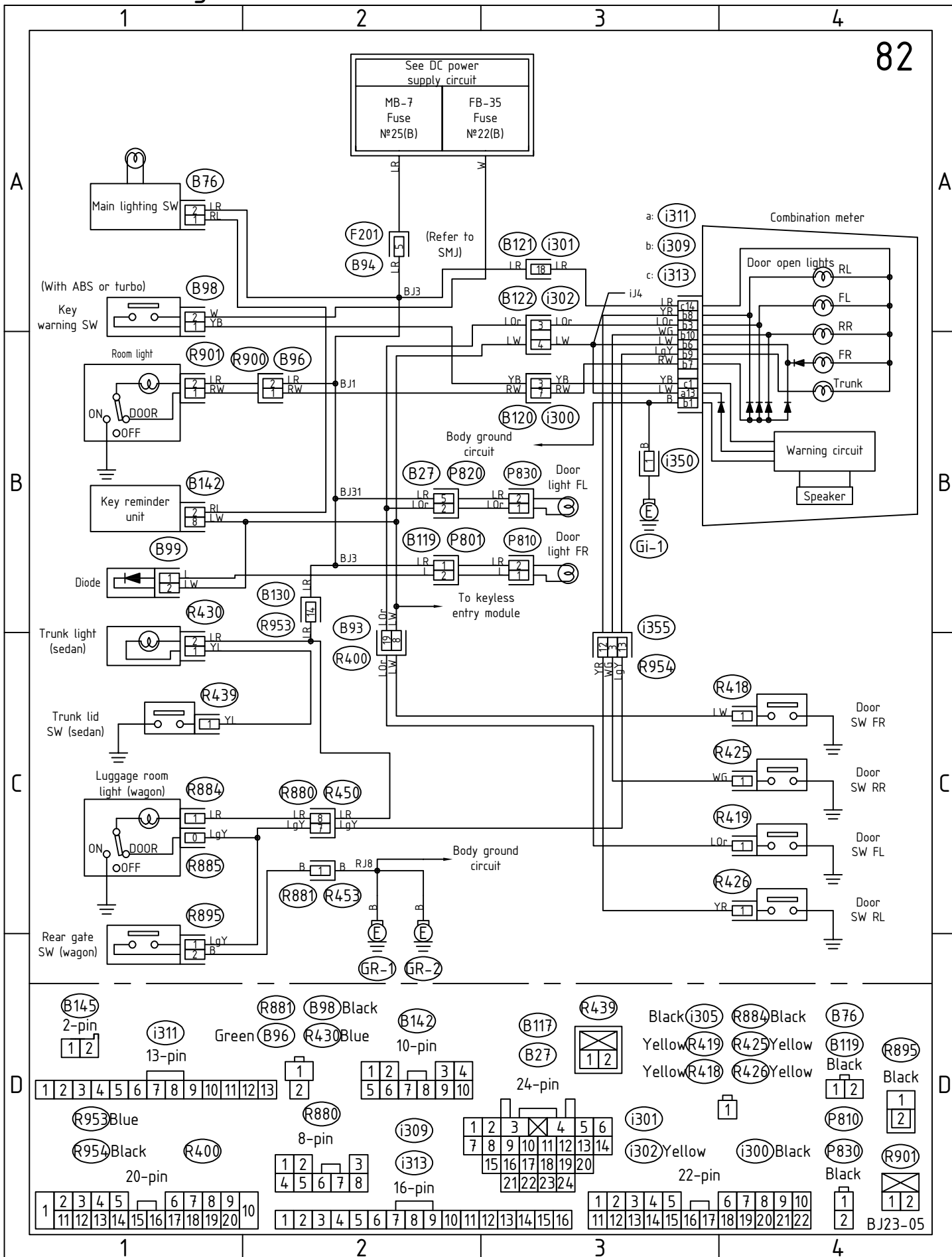
(35) Brake fluid level warning light circuit (with TV, NAVI)



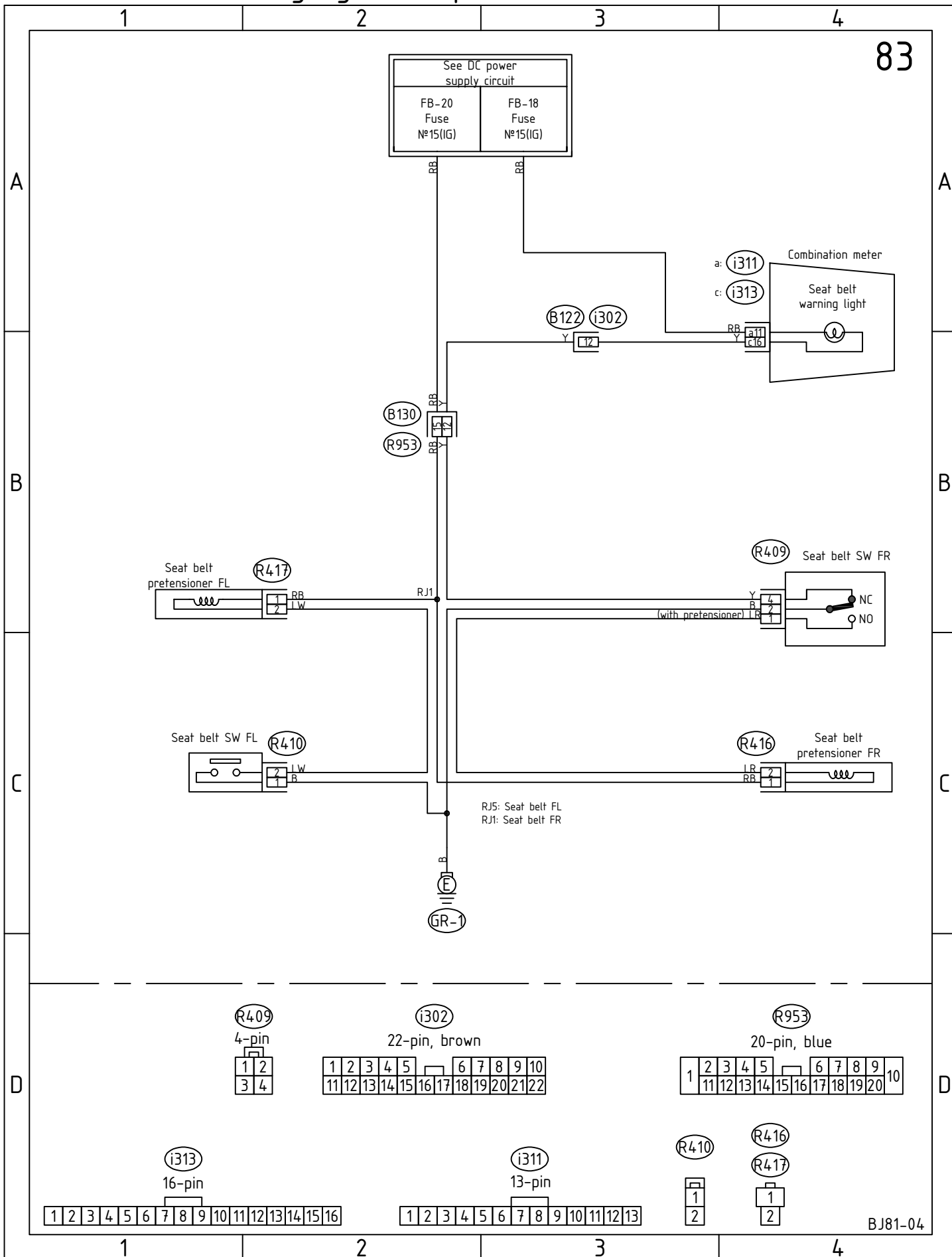
(36) Fuel level sensor circuit



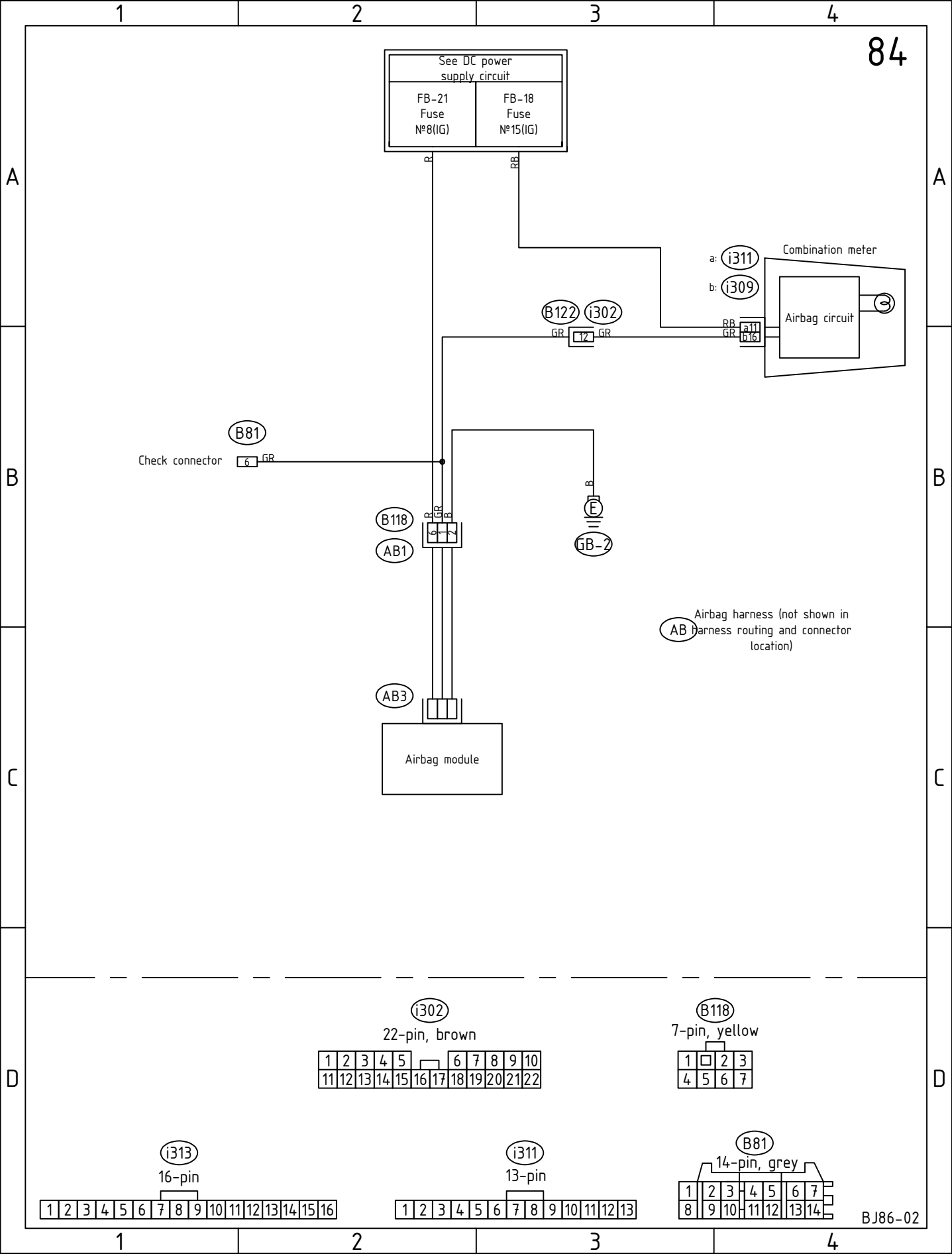
(37) Interior light circuit



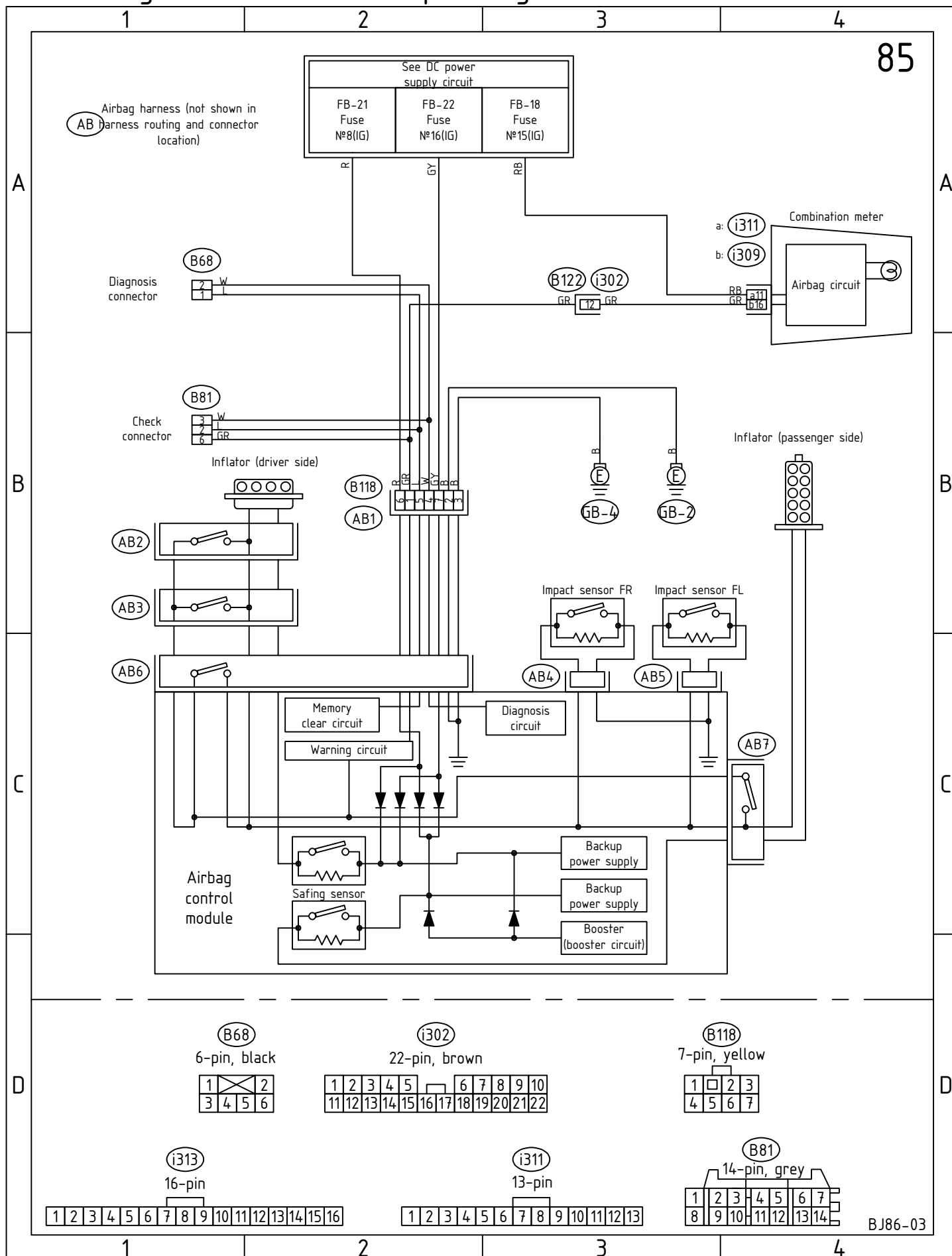
(38) Seat belt warning light and pretensioner circuit



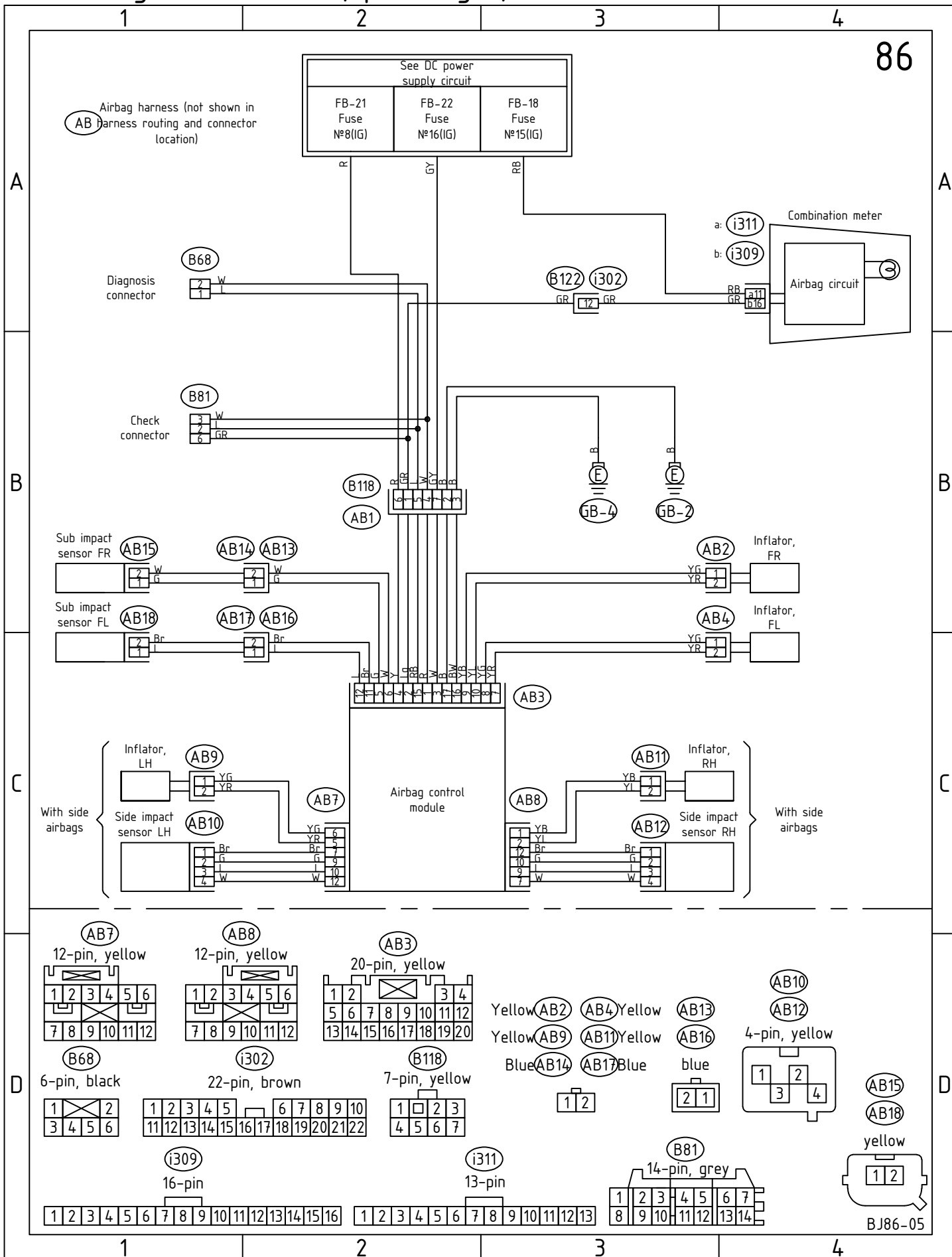
(39) Airbag circuit (driver)



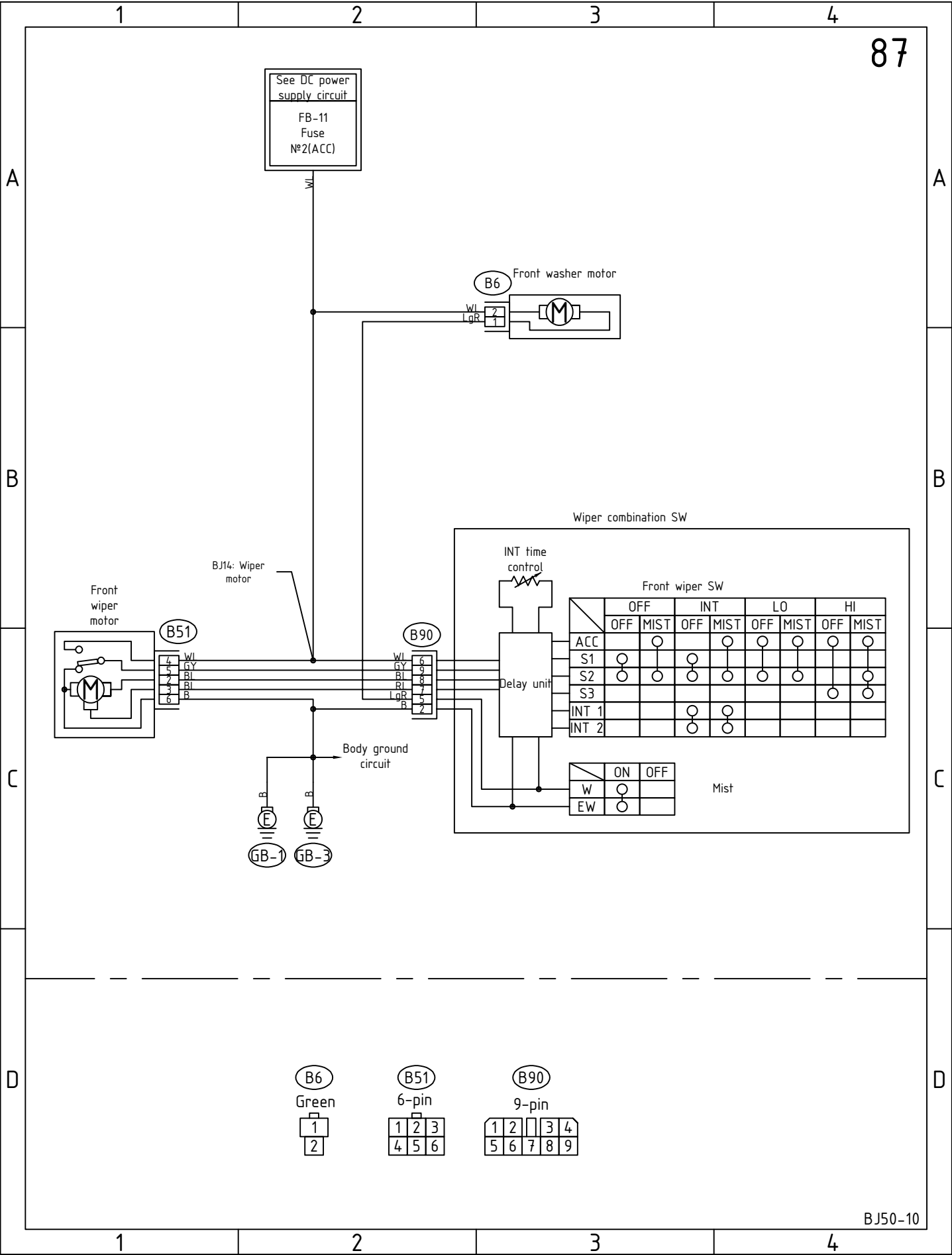
(40) Airbag circuit (driver and passenger)



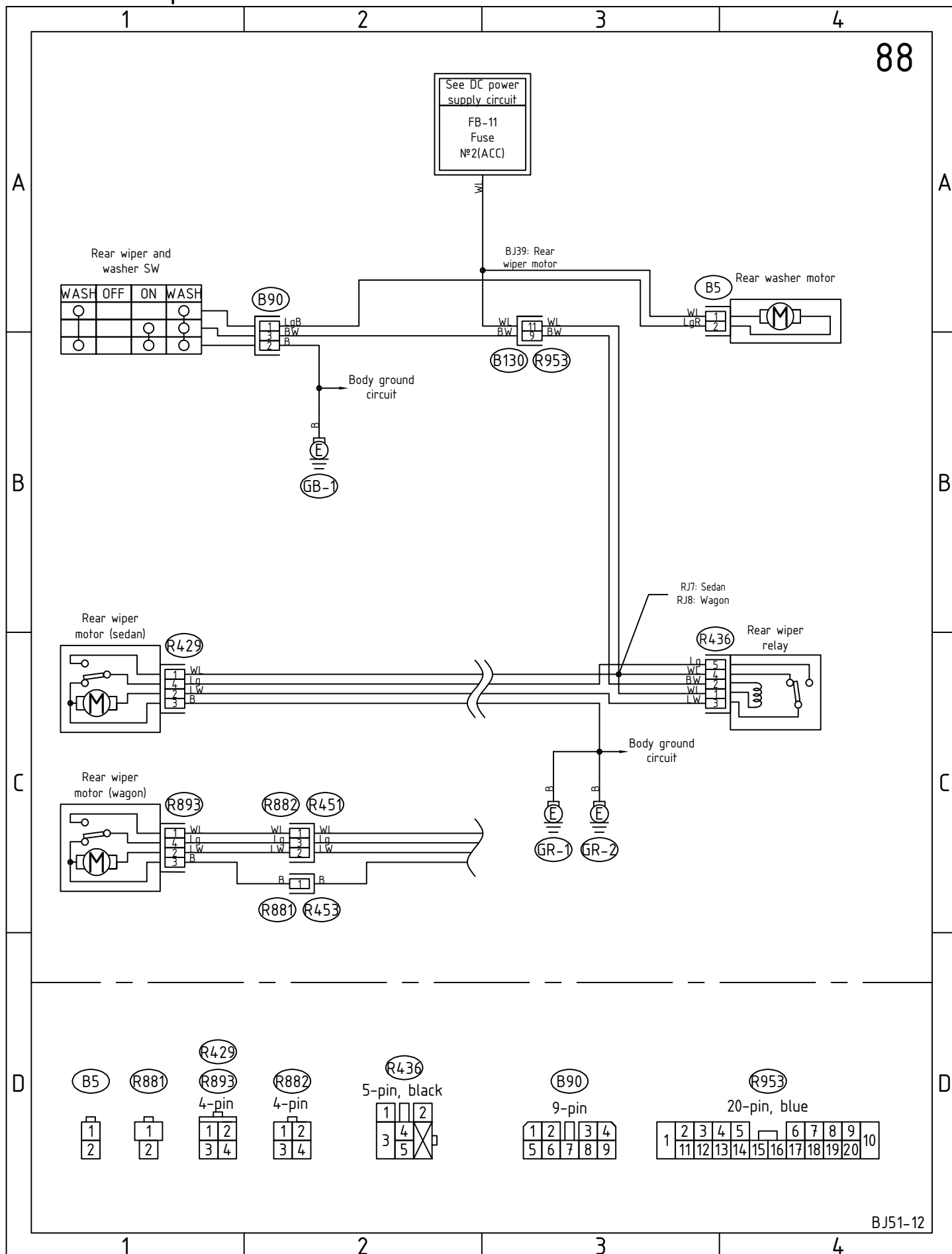
(41) Airbag circuit (driver, passenger, side)



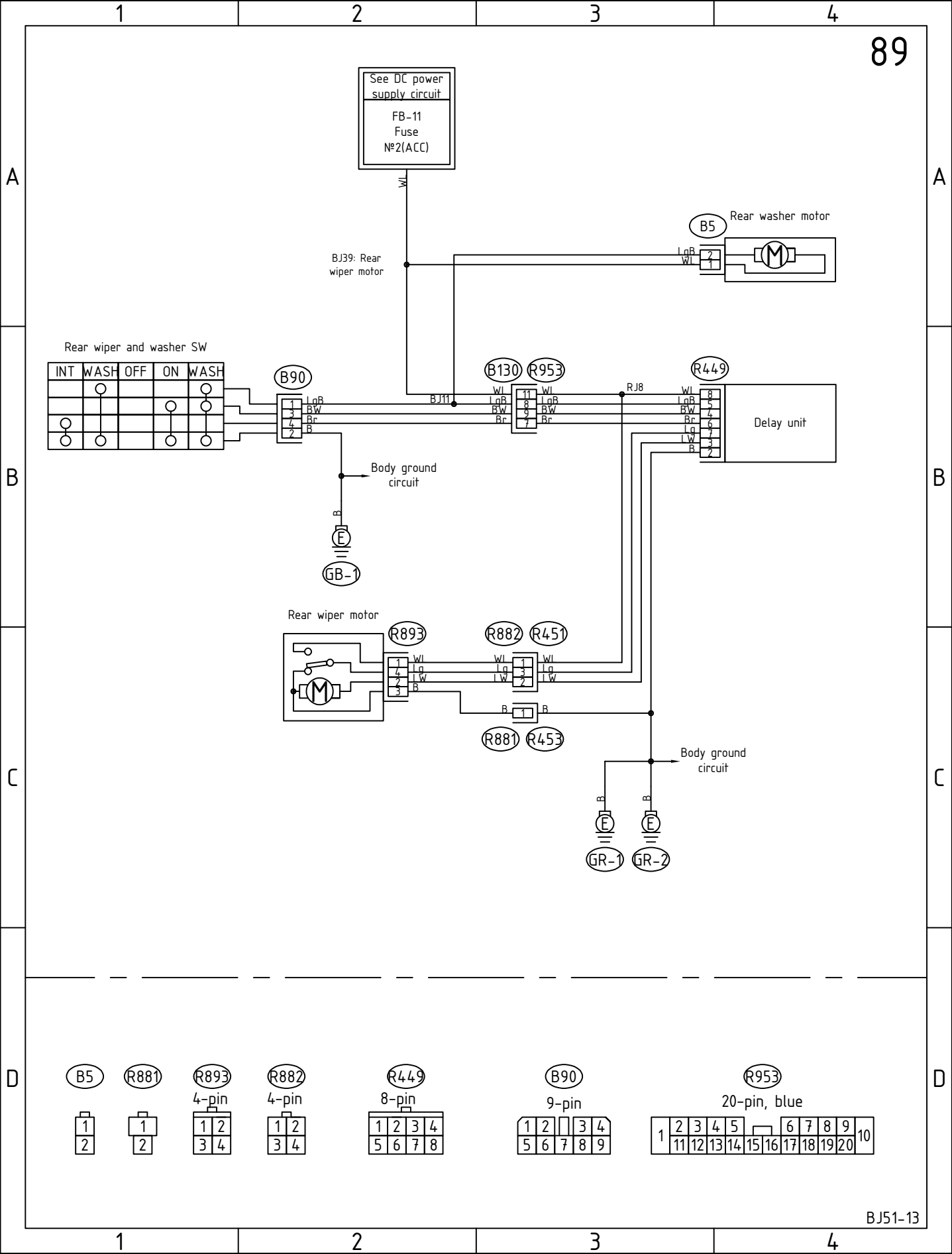
(42) Front wiper and washer circuit



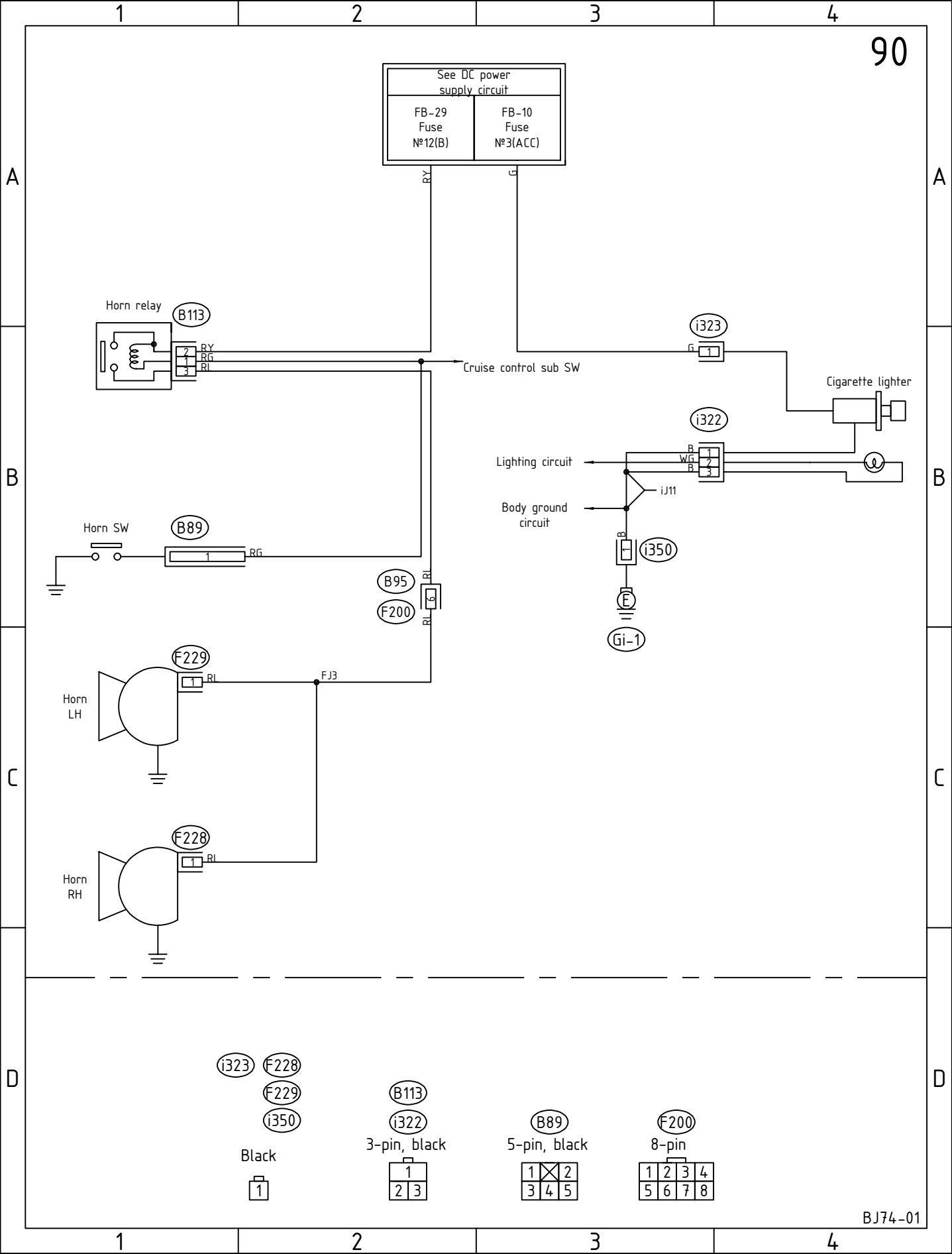
(43) Rear wiper and washer circuit (continuous)



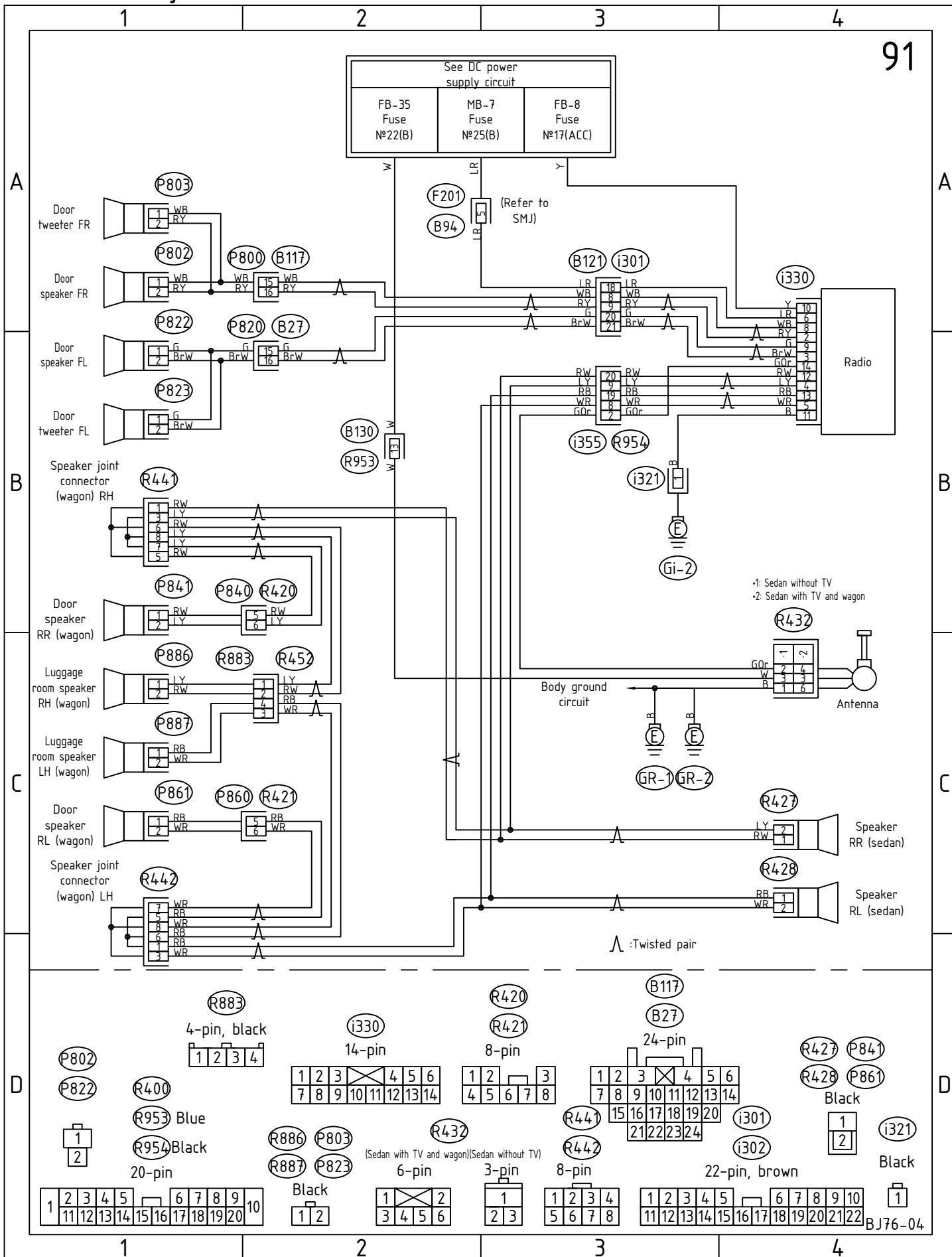
(44) Rear wiper and washer circuit (intermittent)



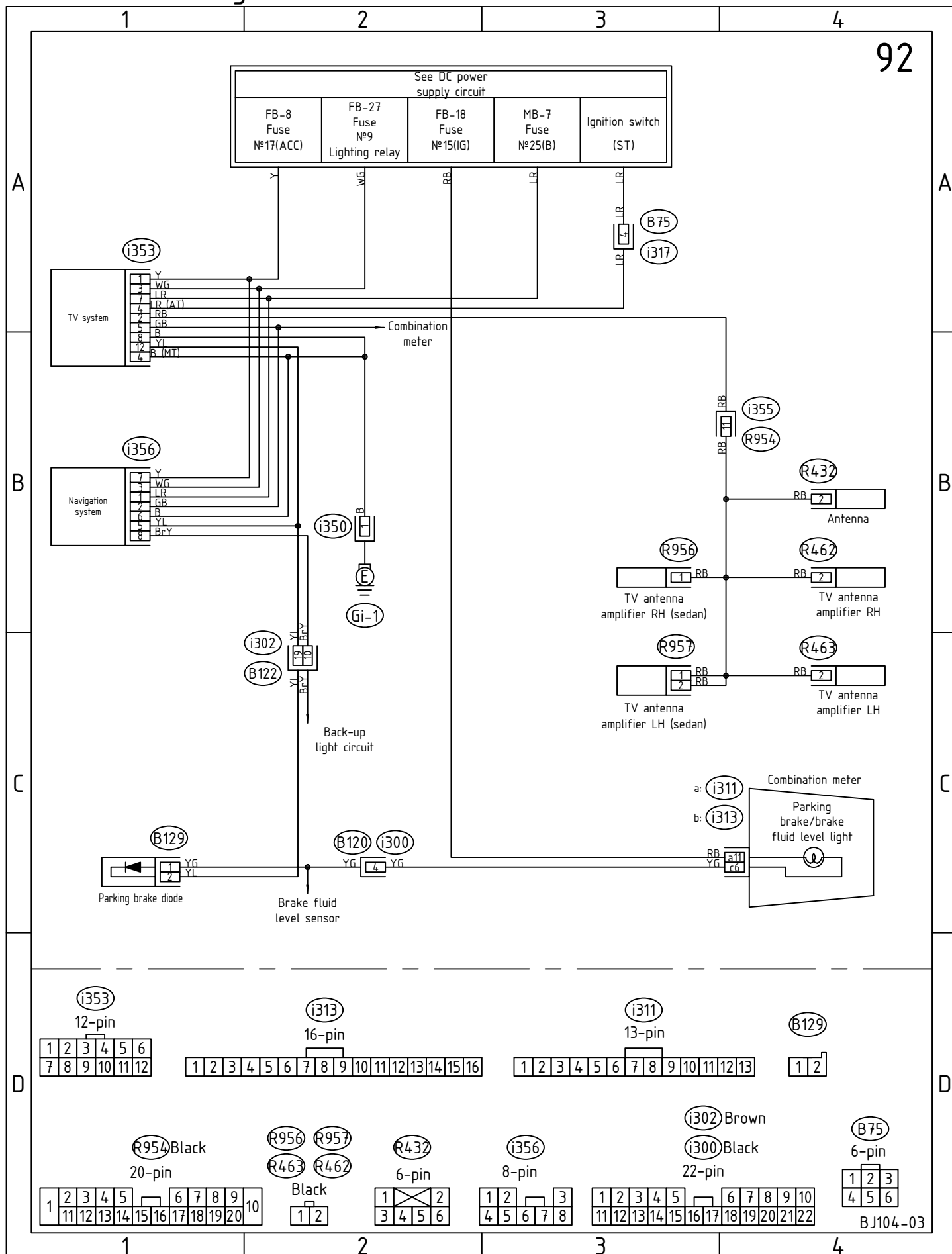
(45) Horn and cigarette lighter circuit



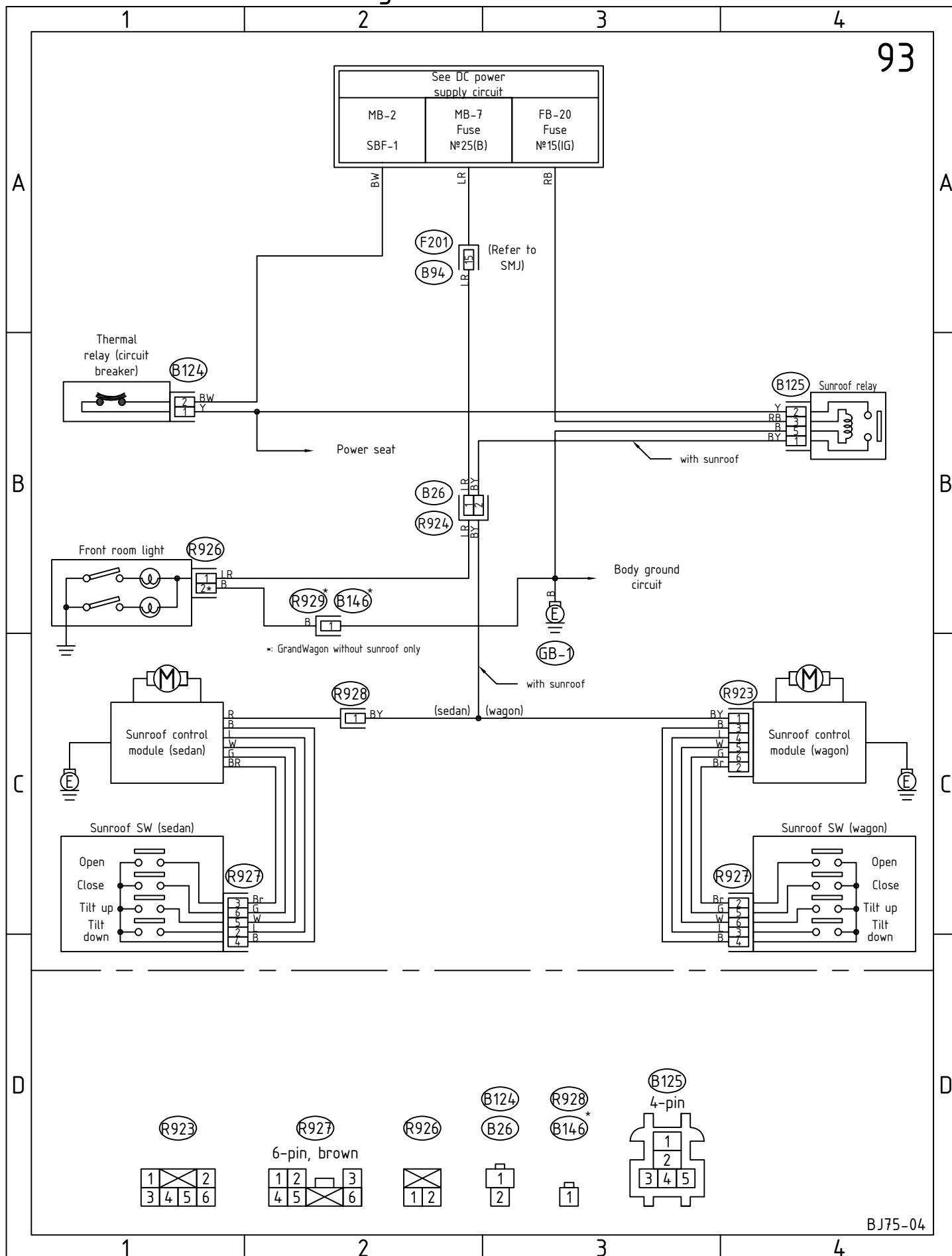
(46) Audio system circuit



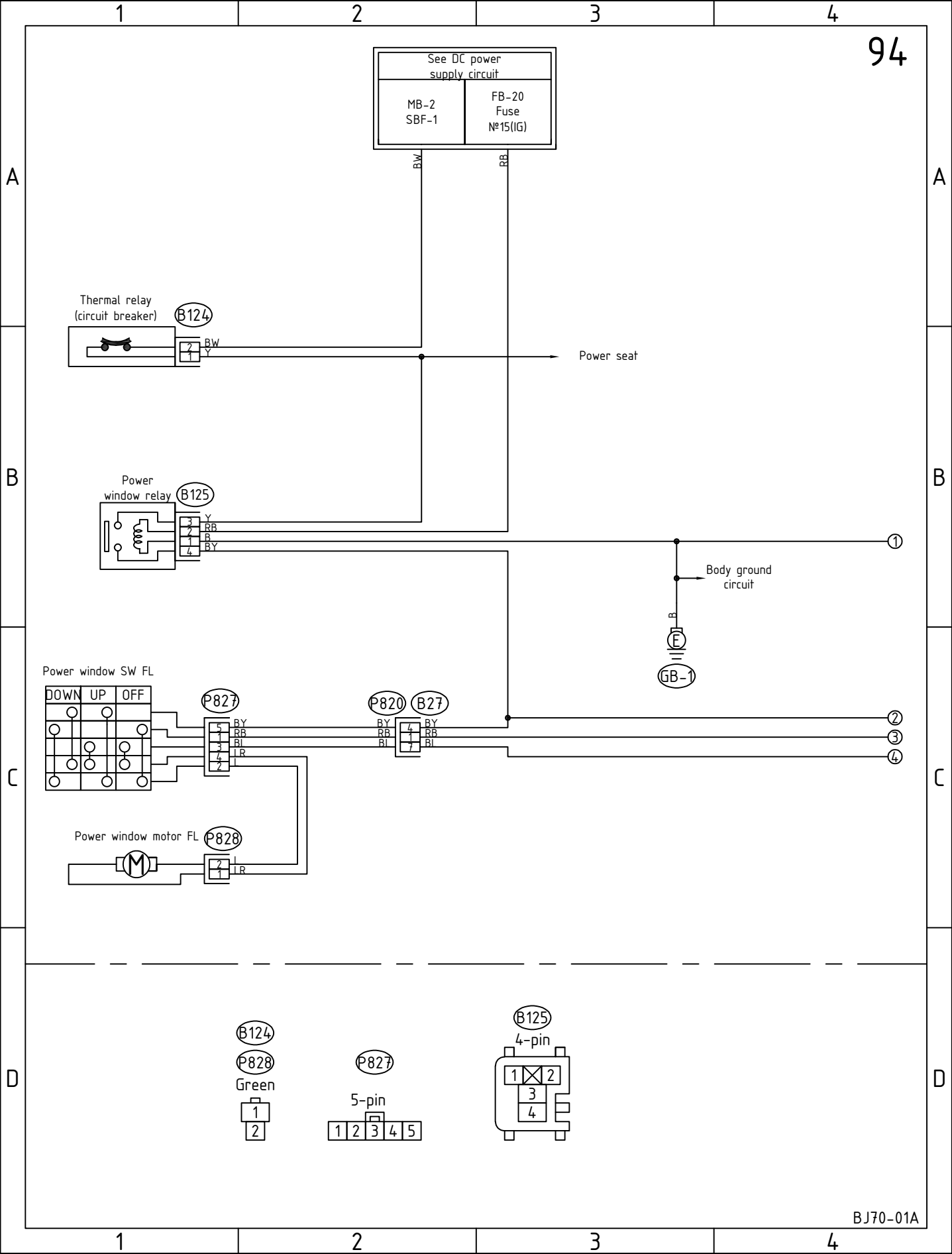
(47) TV and navigation circuit



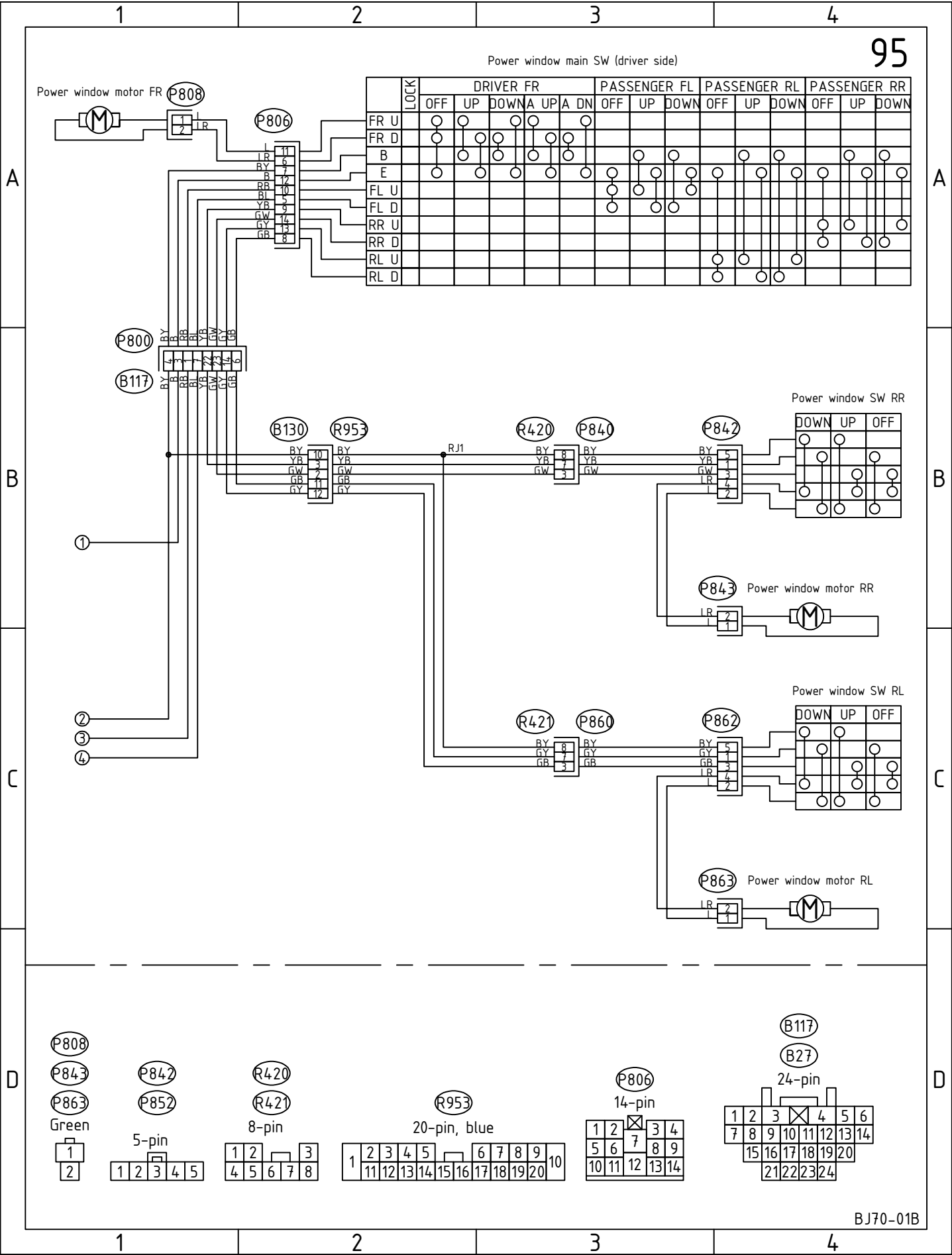
(48) Sunroof and interior light circuit



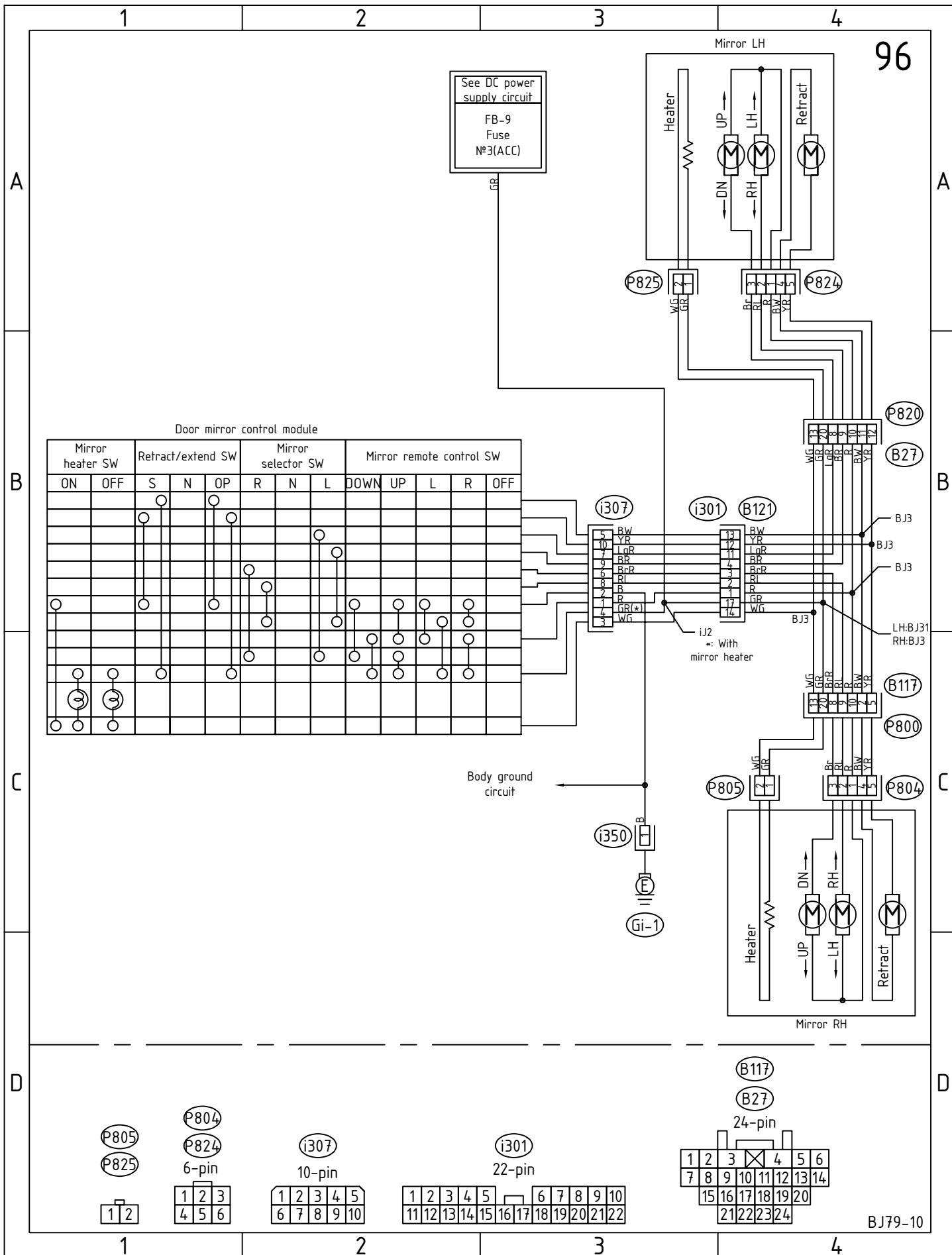
(49) Power window circuit



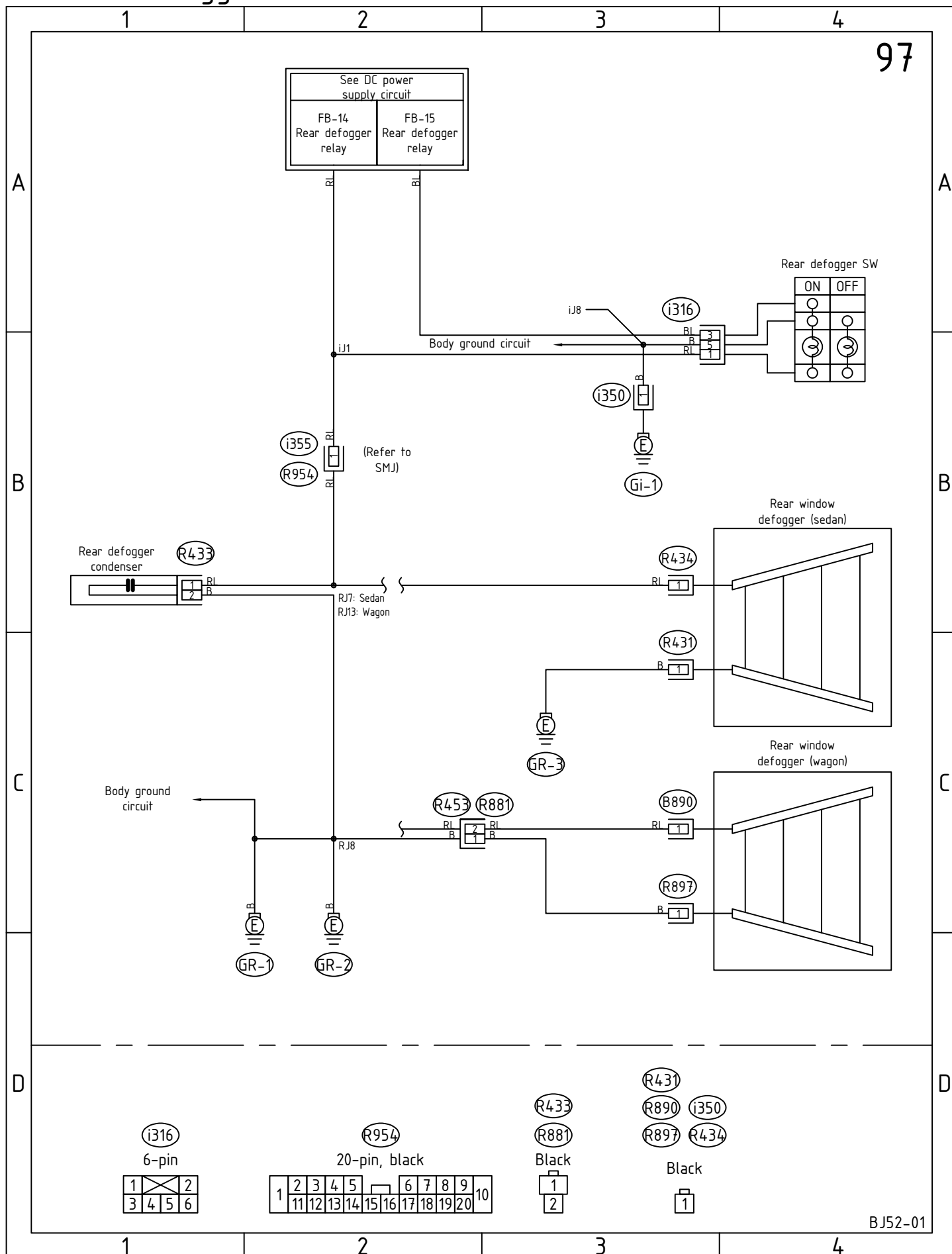
(49) Power window circuit



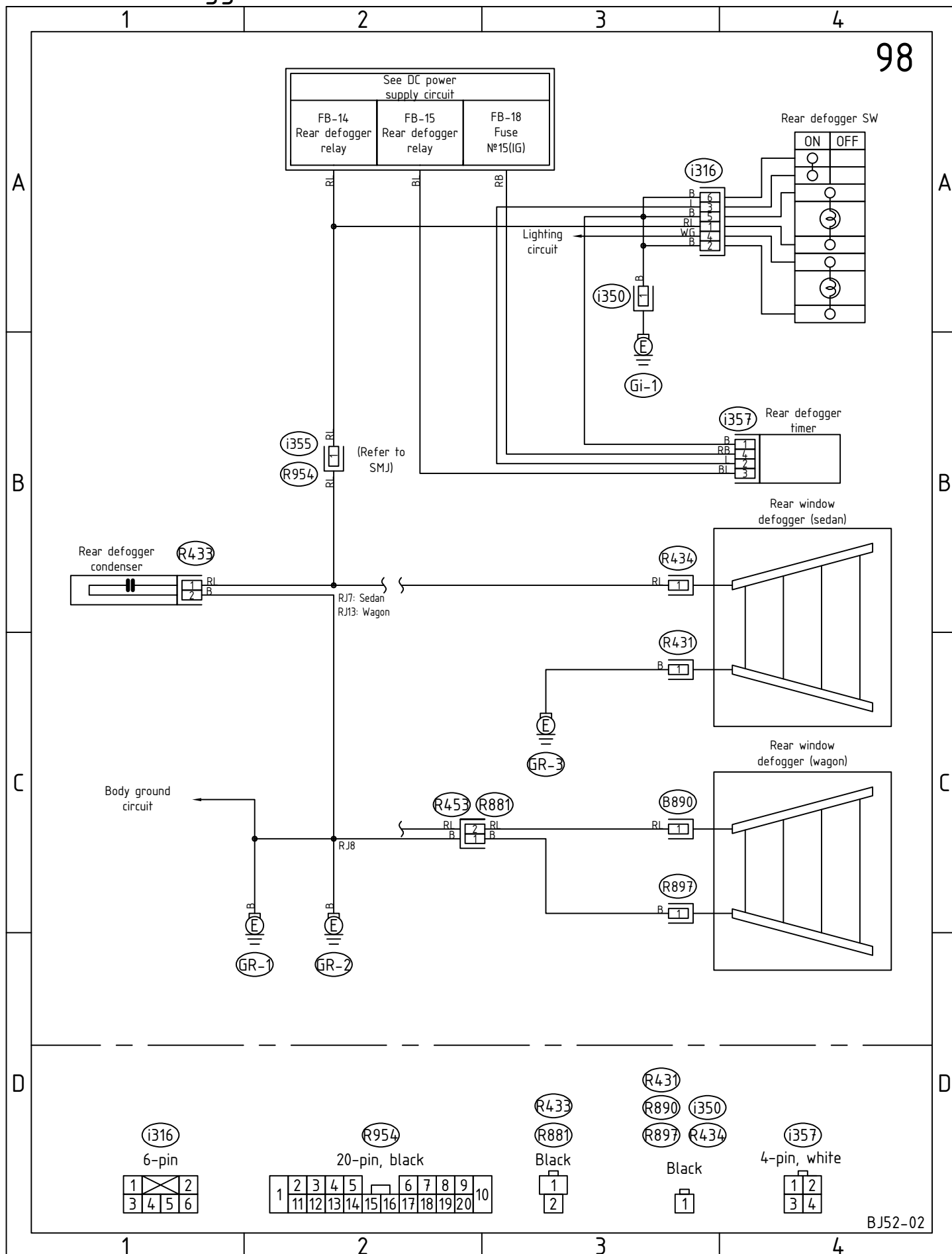
(50) Door mirror circuit



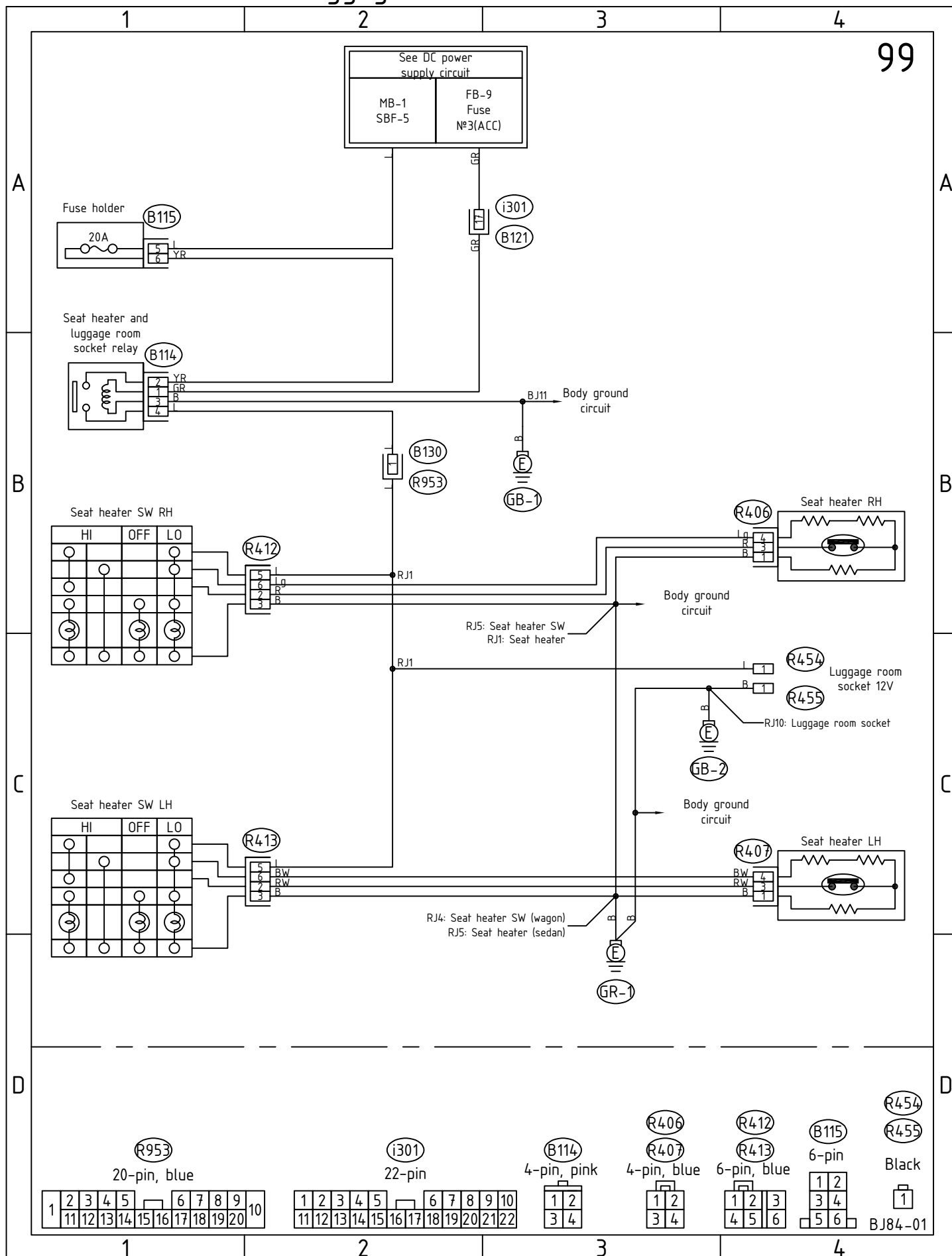
(51) Rear defogger circuit (without timer)



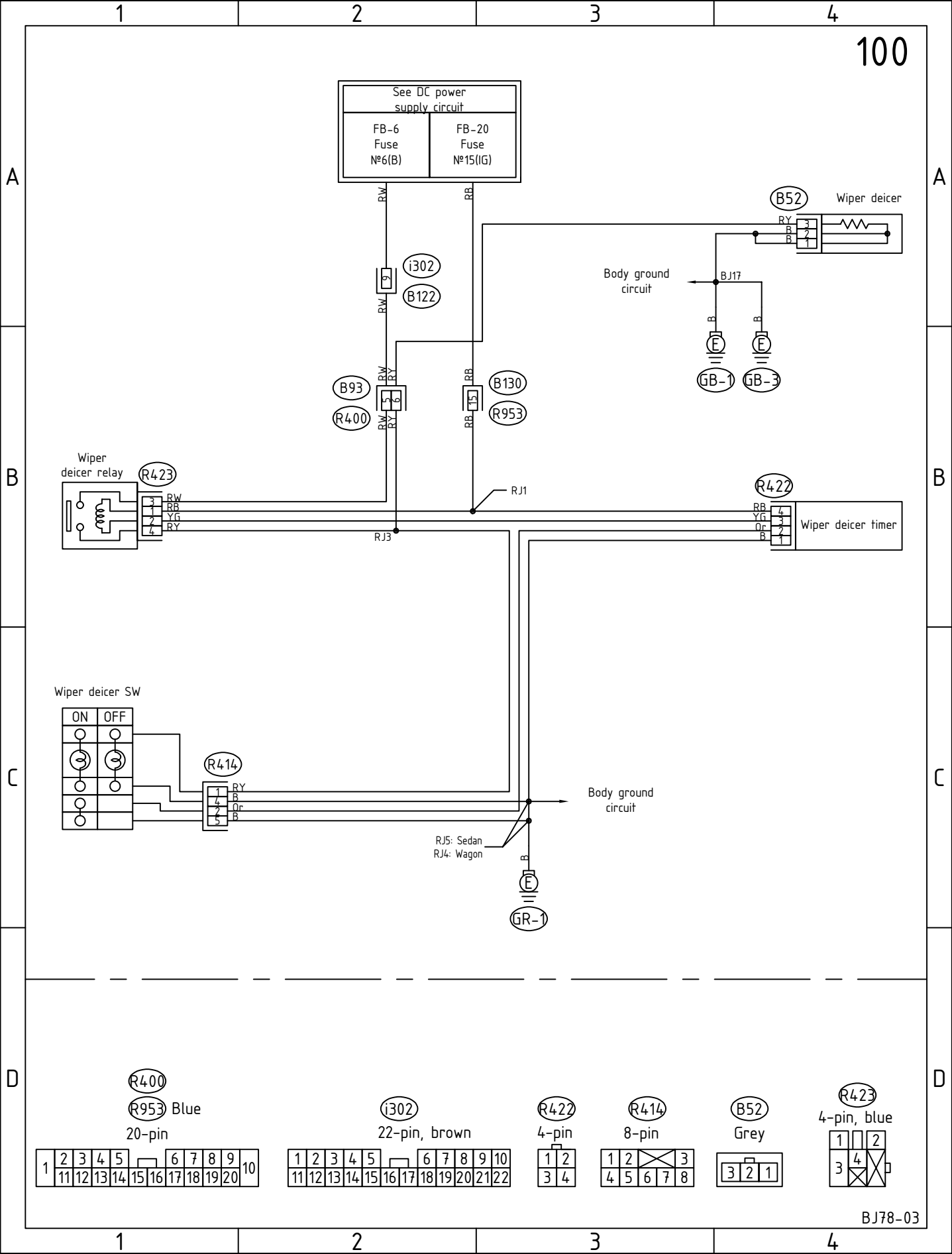
(52) Rear defogger circuit (with timer)



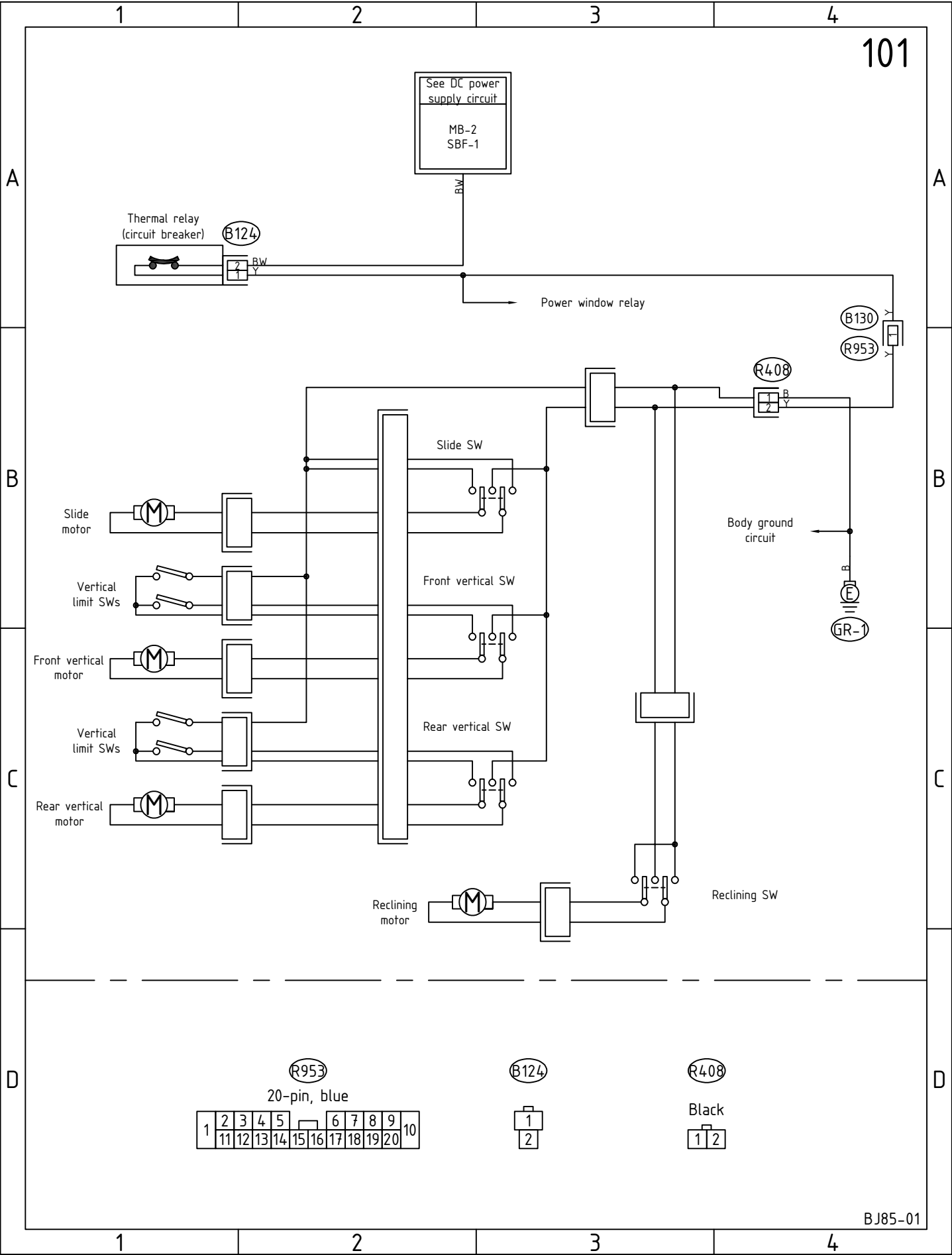
(53) Seat heater and luggage room socket circuit



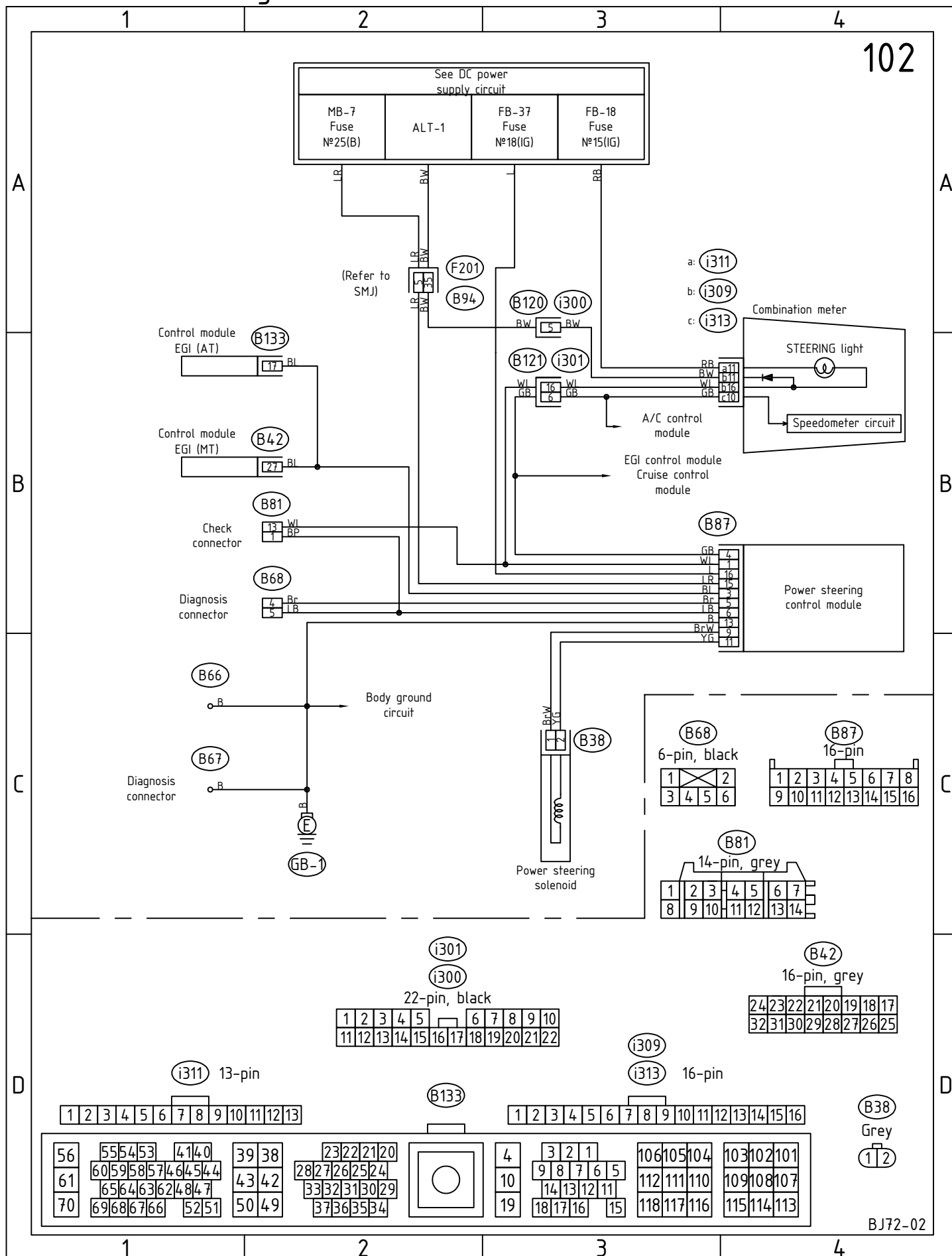
(54) Wiper deicer circuit



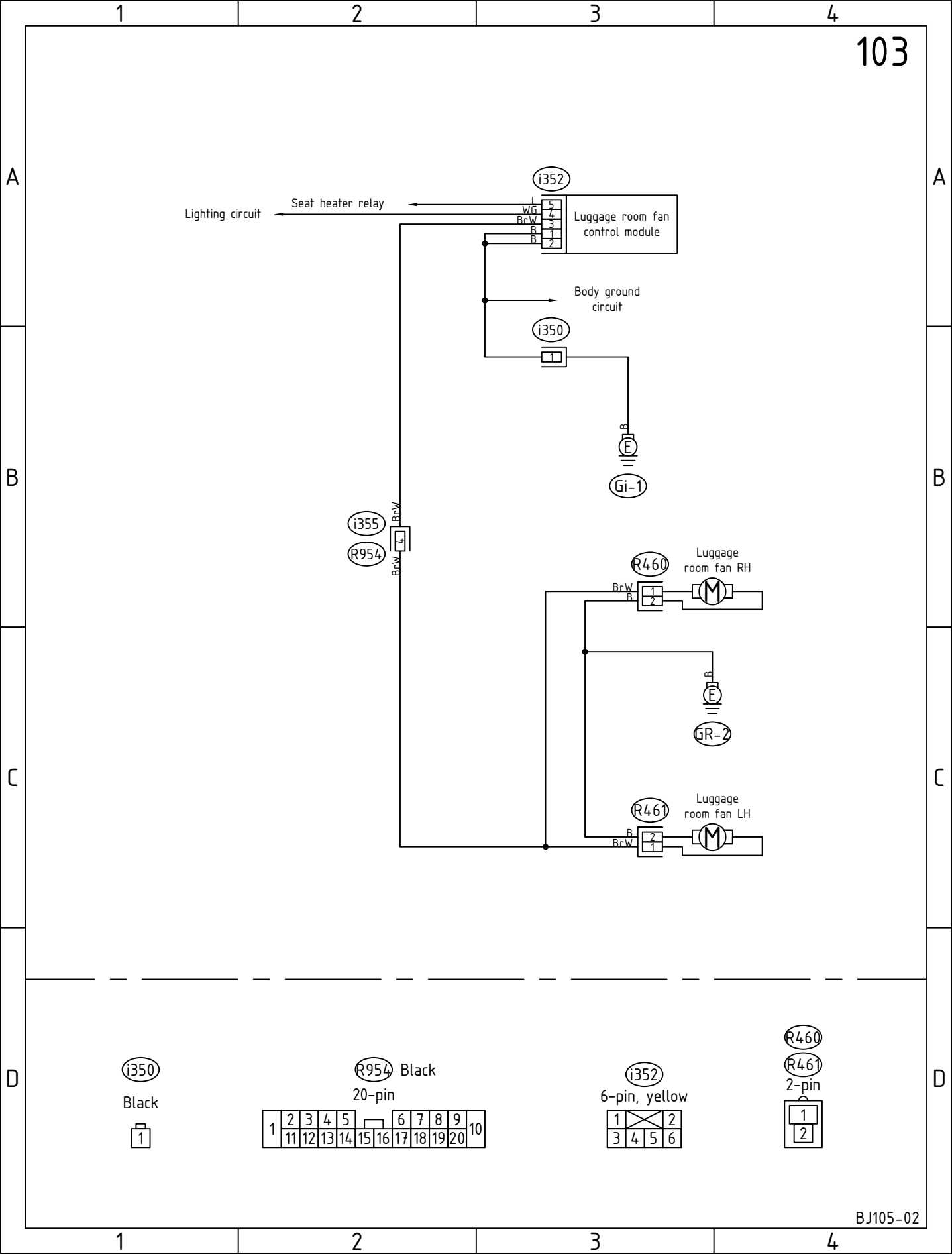
(55) Power seat circuit



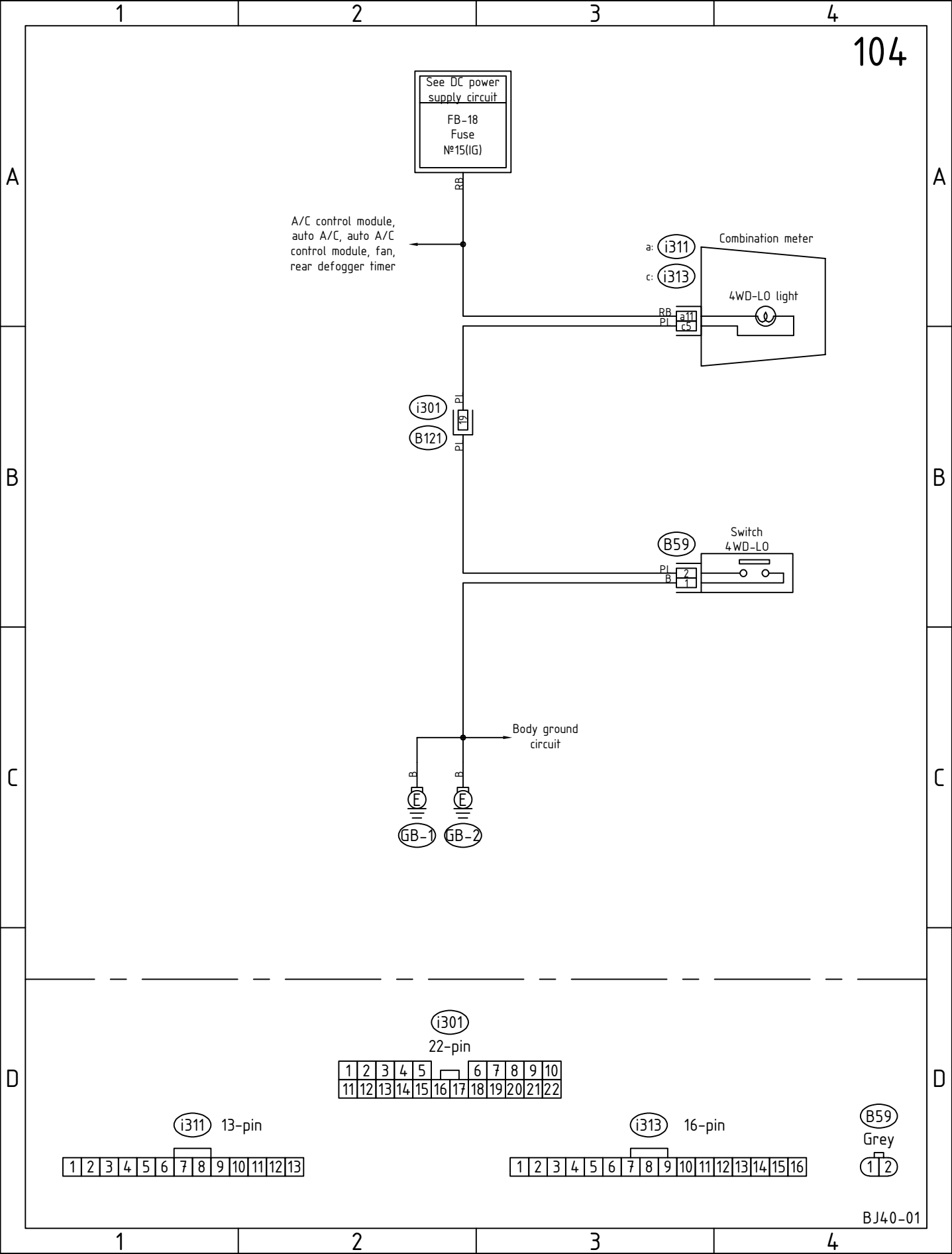
(56) Power steering circuit



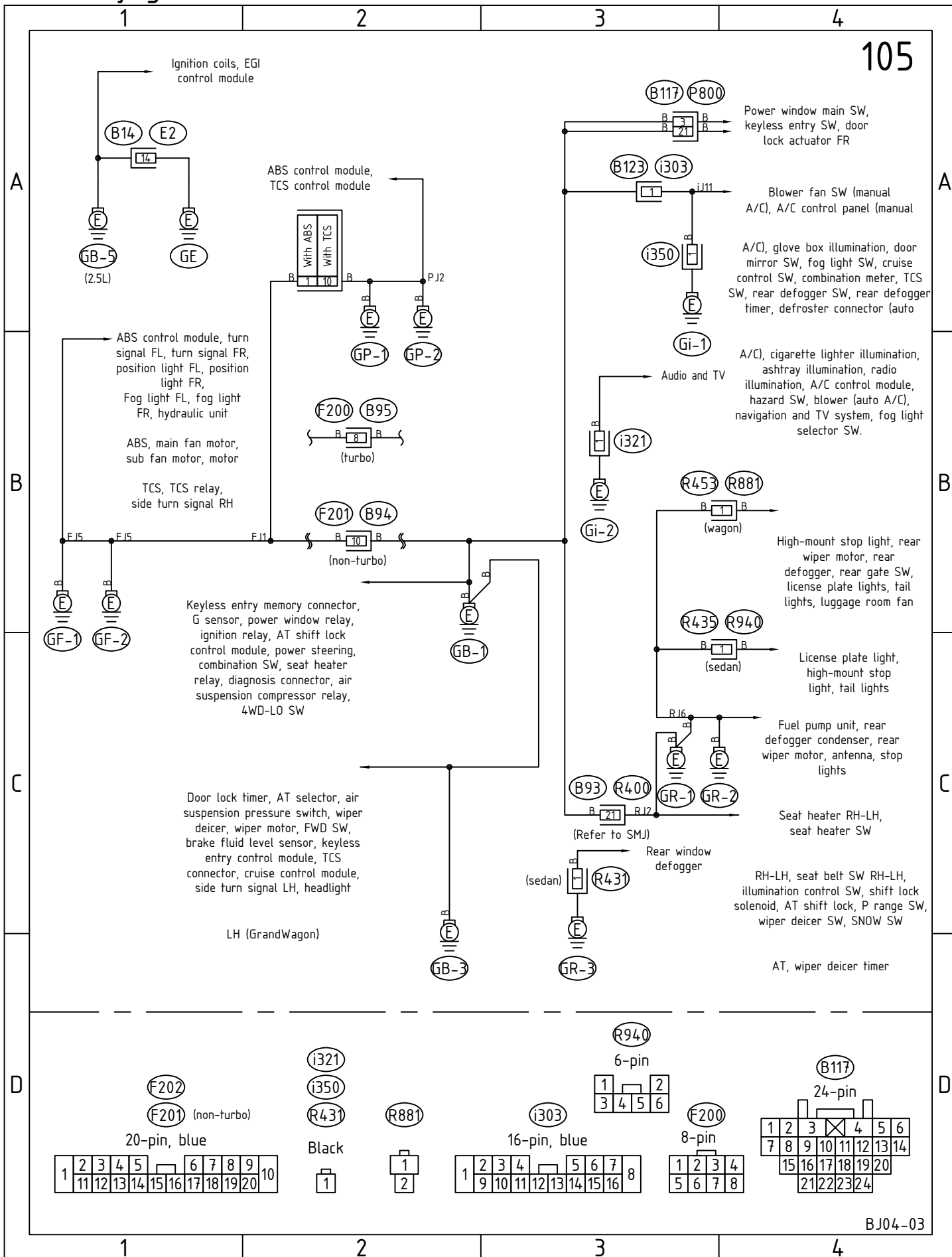
(57) Luggage room fan circuit (GrandWagon)



(58) 4WD-Lo circuit



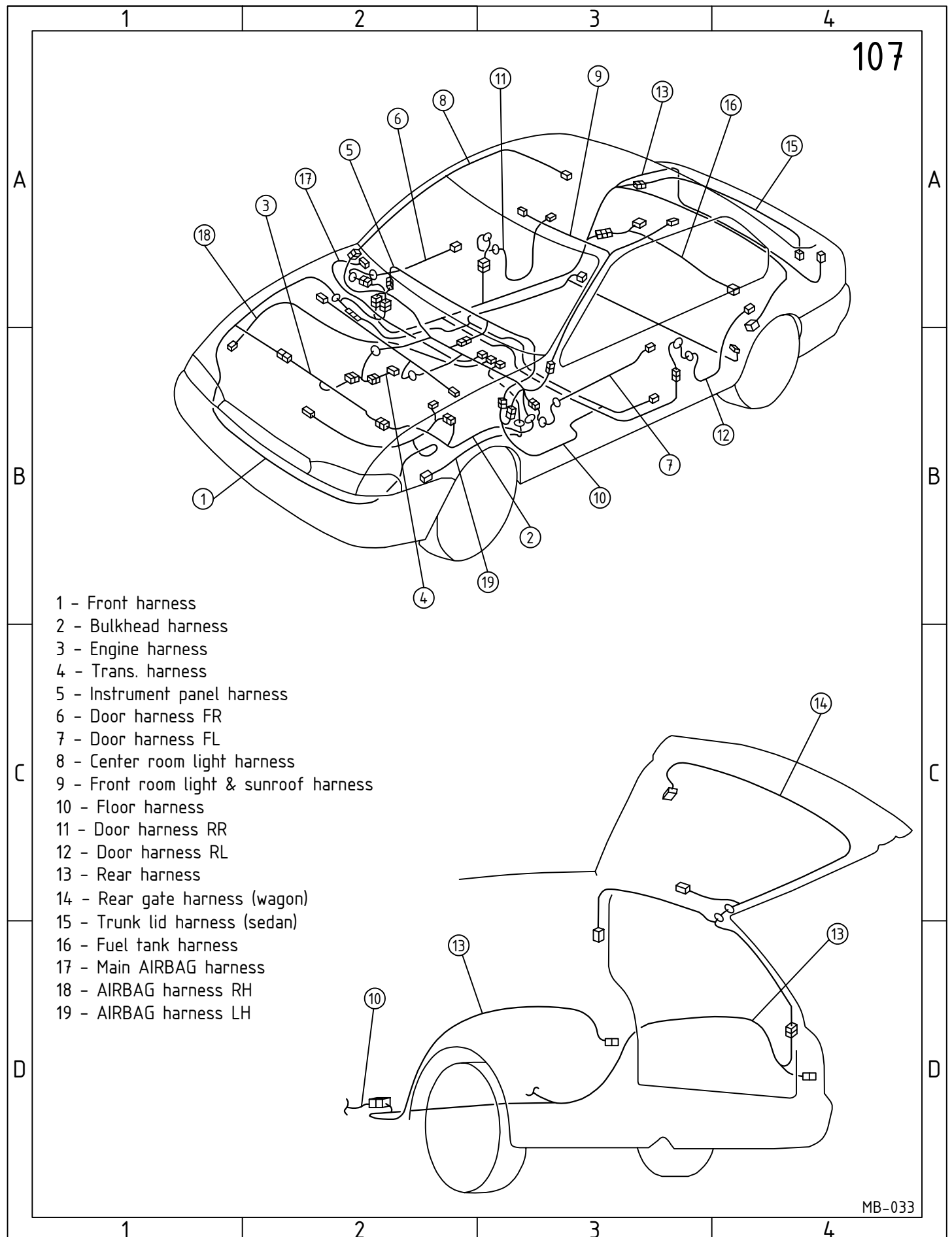
(59) Body ground circuit



1				2				3				4			
A				106				A							
B								B							
C								C							
D								D							
1				2				3				4			

3. Harness routing and connector location

General view



7

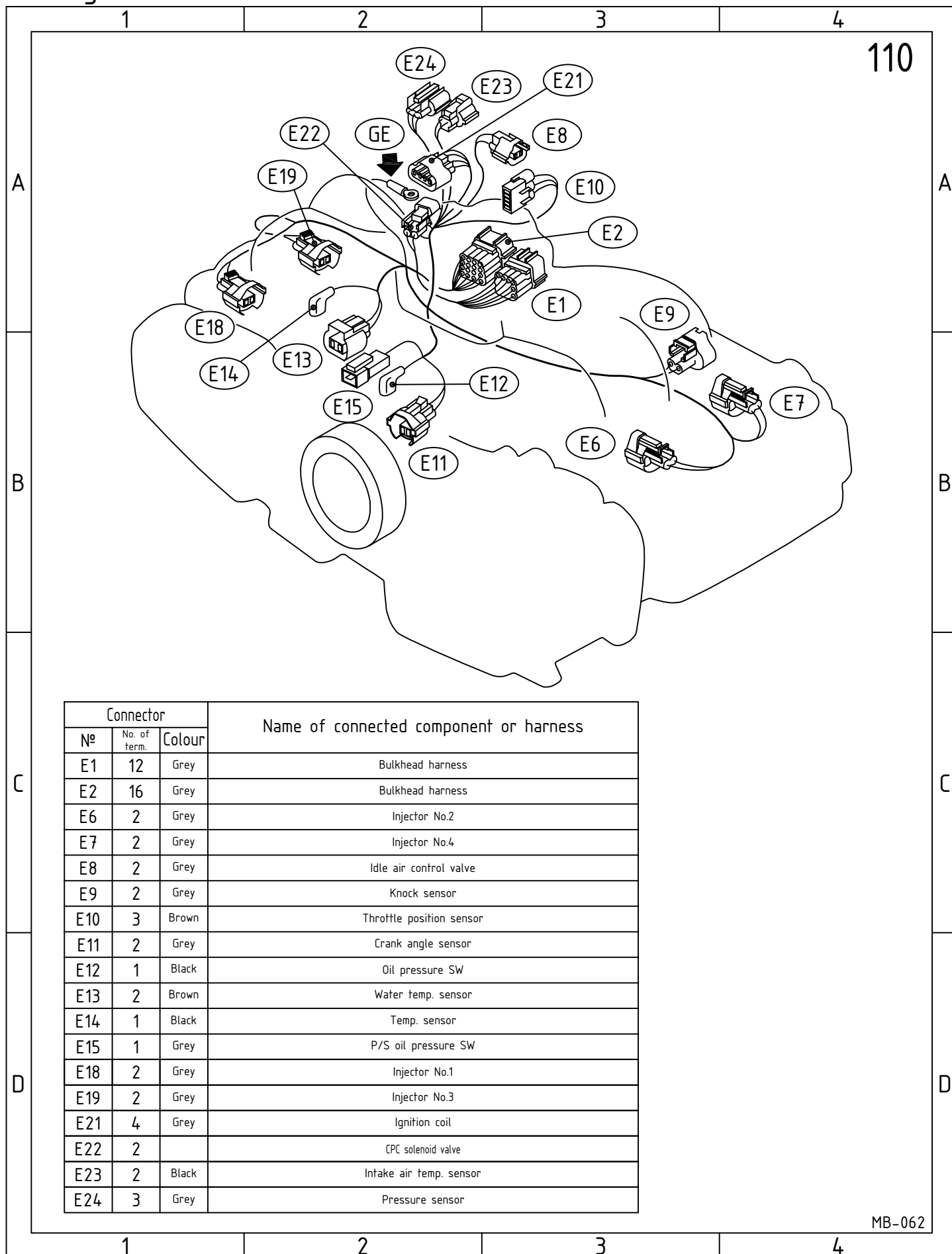


(1) Front harness

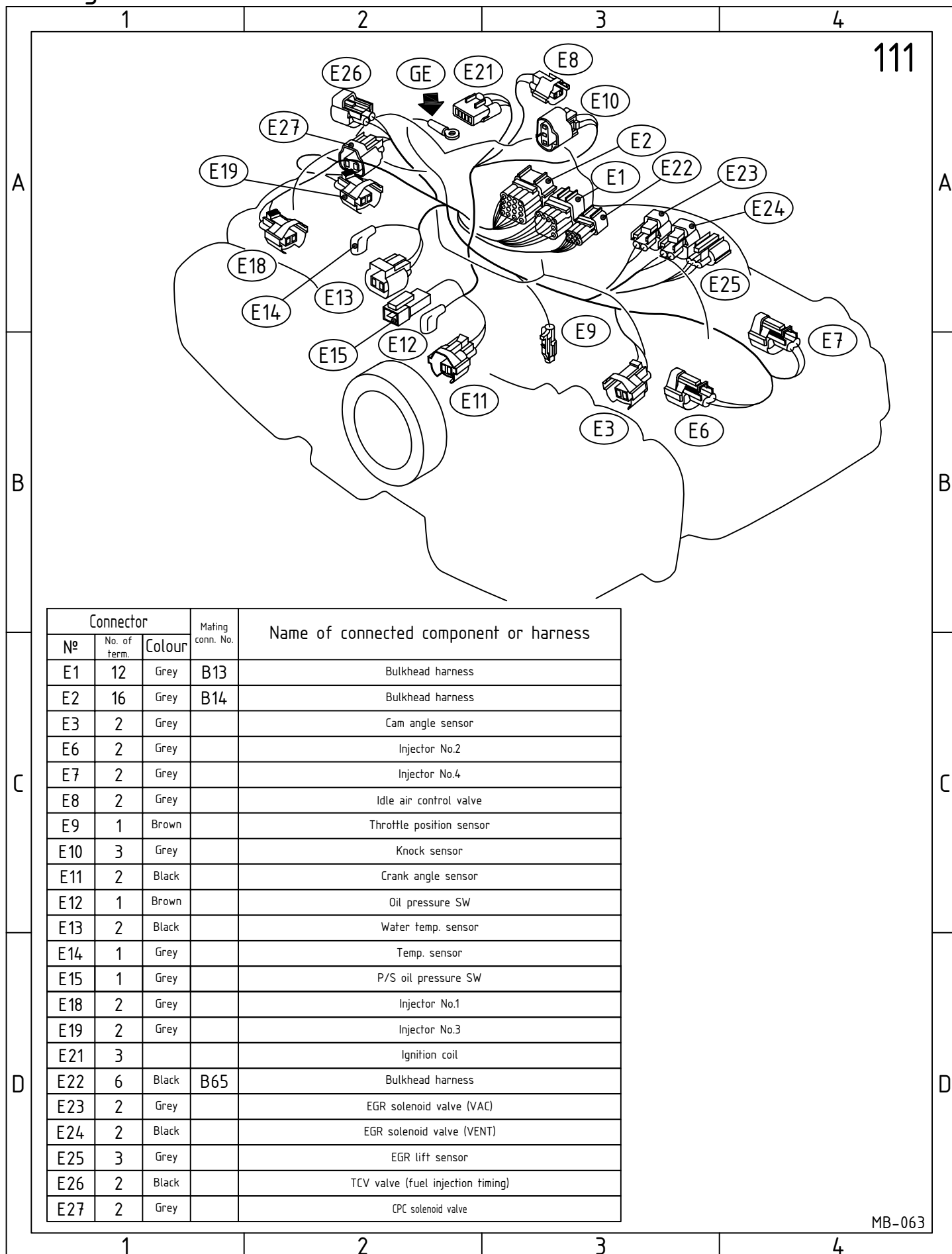
D				C				B				A			
1	Connector			Mating conn. No.	Name of connected component or harness	1	Connector			Mating conn. No.	Name of connected component or harness	2			
	Nº	No. of term.	Colour				Nº	No. of term.	Colour						
2	F200	8		B95	Bulkhead harness	F234	2	Grey		A/C pressure SW	3				
	F201	66	Grey	B94	Bulkhead harness (SMJ) (turbo)	F237	12	Grey		TCS valve					
		40	Grey		Bulkhead harness (SMJ) (non-turbo with ABS)	F238	2	Grey		TCS motor sensor					
		20			Bulkhead harness (SMJ) (non-turbo w/o ABS)	F239	2	Black		TCS motor					
		F202	20			P500	Floor harness (with TCS)	F240	6				TCS main relay		
	12			Floor harness (with ABS)	F241		2	Black		TCS pressure SW					
	F203	5	Grey		F/B-c	F242	4			TCS motor relay		4			
	F204	10	Grey		F/B-a	F248	2			Wastegate control solenoid valve (turbo)					
	F206	2	Black		M/B	F251	1			Engine and ABS ground					
	F207	8	Black		M/B	F252	31			ABS control module and hydraulic unit					
	F208	4	Black		SBF holder	F253	3	Grey		ABS shield connector					
	F209	20	Black		A/C relay holder	F254	3			Cornering light RH					
	F210	1	Grey	B4	Bulkhead harness (with air suspension)	F255	3			Cornering light LH					
	F211	2	Grey		Generator										
	F212	1			Generator										
	F213	1			Generator										
F214	1	Black		A/C magnet clutch											
F215	2	Blue		A/C thermal protector											
F216	2			Side turn signal RH											
F217	2	Grey		Front turn signal RH											
F218	2	Grey		Front turn signal LH											
F219	2			Fog RH											
F220	2			Fog LH											
F223	3	Black		Main fan motor											
F224	3	Black		Sub fan (main fan without A/C)											
F225	2	Black		Ambient temp. sensor											
F228	1	Black		Horn RH											
F229	1	Black		Horn LH											
F230	2	Black		Pos. light RH											
F231	2	Black		Pos. light LH											
F232	3	Black		Headlight RH											
F233	3	Black		Headlight LH											

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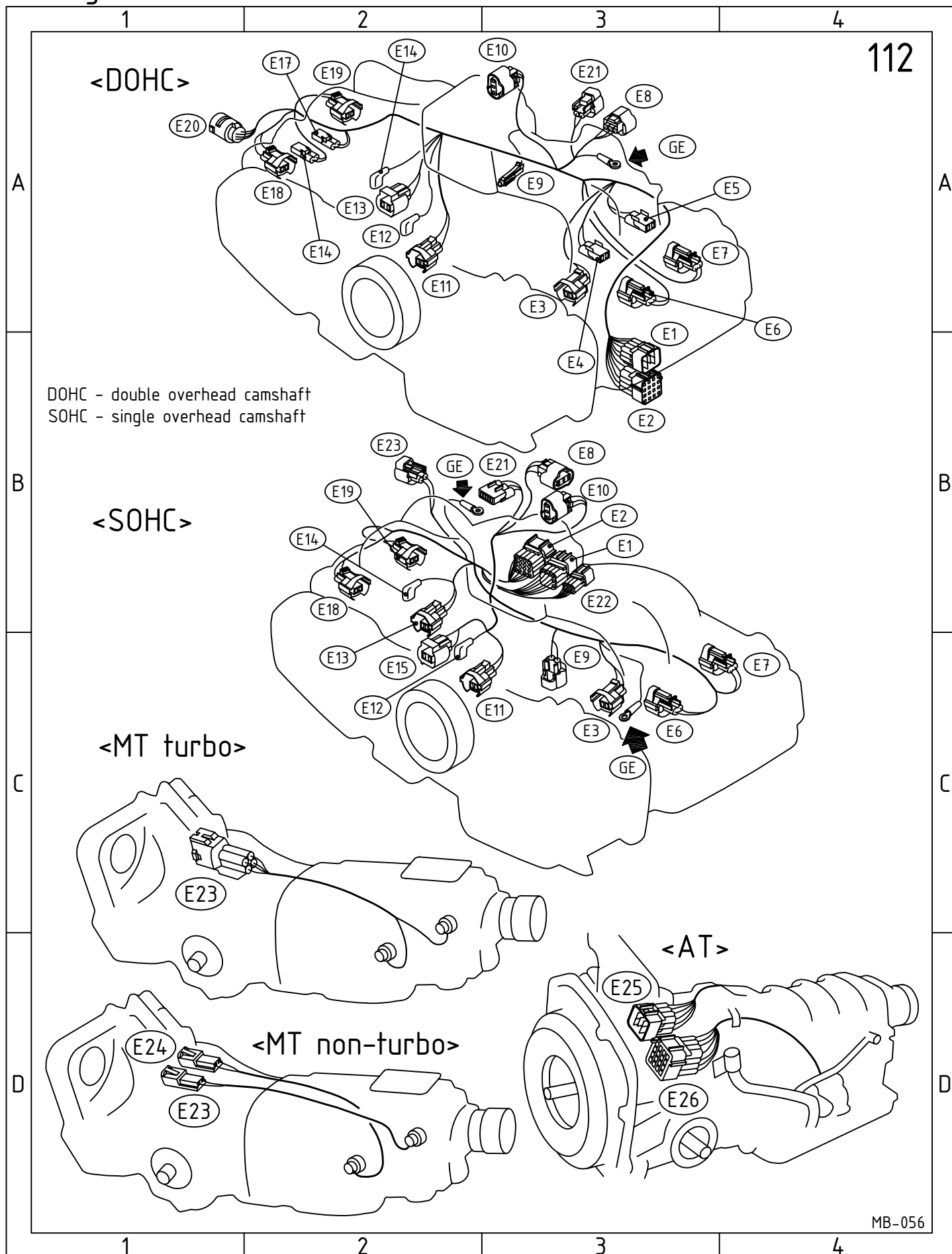
(2) Engine harness (1.8L)



(3) Engine harness (2.0L Lean burn)



(4) Engine and transmission harness (2.0L)



(4) Engine and transmission harness (2.0L)

1

2

3

4

113

Engine harness <DOHC>

Connector			Mating conn. No.	Name of connected component or harness
№	No. of term.	Colour		
E1	12	Grey	B13	Bulkhead harness
E2	16	Grey	B14	Bulkhead harness
E3	2	Grey		Cam angle sensor
E4	2	Grey		Ignition coil No.2
E5	2	Black		Ignition coil No.4
E6	2	Grey		Injector No.2
E7	2	Grey		Injector No.4
E8	3	Grey		Idle air control valve
E9	2	Grey		Knock sensor
E10	3	Black		Throttle position sensor
E11	2	Grey		Crank angle sensor
E12	1	Black		Oil pressure SW
E13	2	Brown		Water temp. sensor
E14	1			Temp. sensor
E16	2	Grey		Ignition coil No.1
E17	2	Black		Ignition coil No.3
E18	2	Grey		Injector No.1
E19	2	Grey		Injector No.3
E20	2	Grey	F245	Front harness
E21	2			CPC solenoid valve

Engine harness <SOHC>

Connector			Mating conn. No.	Name of connected component or harness
№	No. of term.	Colour		
E1	12	Grey	B13	Bulkhead harness
E2	16	Grey	B14	Bulkhead harness
E3	2	Grey		Cam angle sensor
E6	2	Grey		Injector No.2
E7	2	Black		Injector No.4
E8	2	Grey		Idle air control valve

B

A

Connector			Mating conn. No.	Name of connected component or harness
№	No. of term.	Colour		
E9	2	Grey		Knock sensor
E10	3	Black		Throttle position sensor
E11	2	Grey		Crank angle sensor
E12	1	Black		Oil pressure SW
E13	2	Brown		Water temp. sensor
E14	1			Temp. sensor
E15	2	Grey		P/S oil pressure SW
E18	2	Grey		Injector No.1
E19	2	Grey		Injector No.3
E21	3	Grey		Ignition coil
E22	6		B65	Bulkhead harness
E23	2	Black		CPC solenoid valve

Transmission harness (MT, turbo)

Connector			Mating conn. No.	Name of connected component or harness
№	No. of term.	Colour		
E23	4	Grey	B56	Bulkhead harness

Transmission harness (MT, non-turbo)

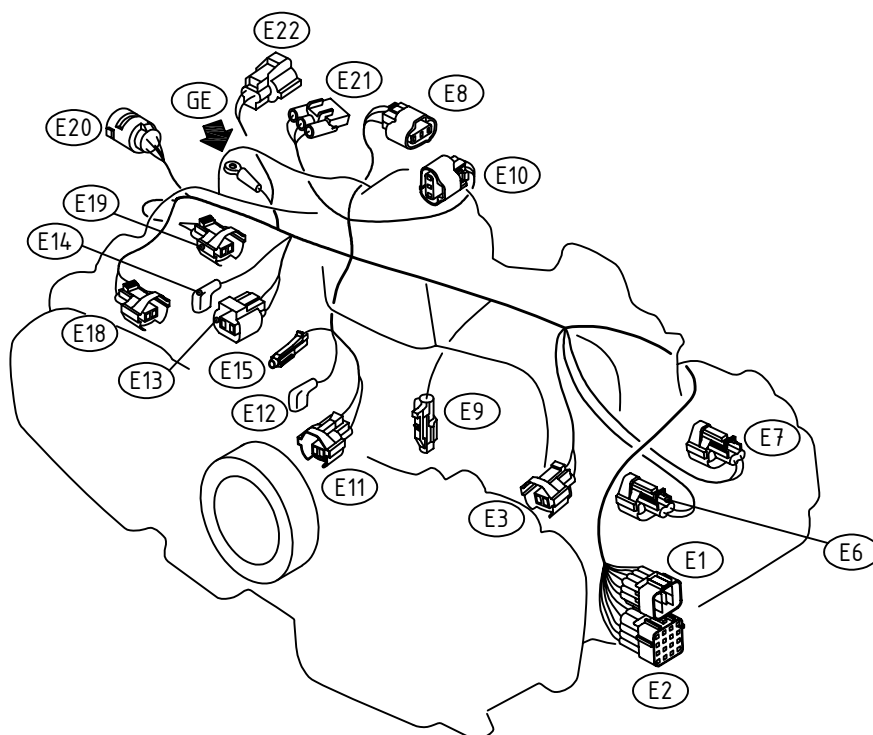
Connector			Mating conn. No.	Name of connected component or harness
№	No. of term.	Colour		
E23	2	Brown	B58	Bulkhead harness (neutral position SW)
E24	2	Grey	B57	Bulkhead harness (back-up light SW)

Transmission harness (AT)

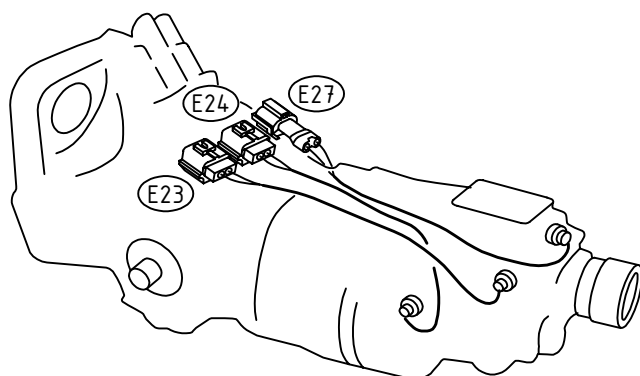
Connector			Mating conn. No.	Name of connected component or harness
№	No. of term.	Colour		
E25	12	Grey	B55	Bulkhead harness (inhibitor SW)
E26	16	Grey	B54	Bulkhead harness (AT control)

(5) Engine and transmission harness (2.5L)

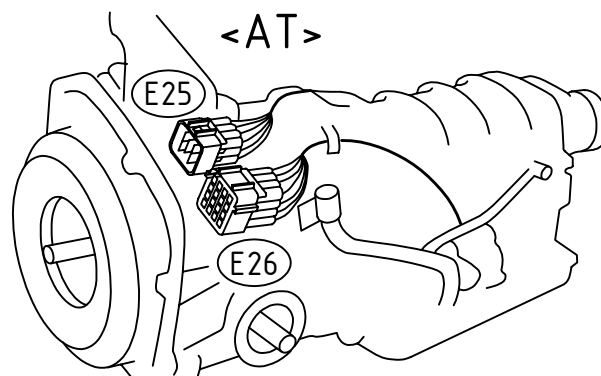
114



<MT>



<AT>



(5) Engine and transmission harness (2.5L)

115

Engine harness

Connector			Mating conn. No.	Name of connected component or harness
Nº	No. of term.	Colour		
E1	12	Grey	B13	Bulkhead harness
E2	16	Grey	B14	Bulkhead harness
E3	2	Grey		Cam angle sensor
E6	2	Grey		Injector No.2
E7	2	Grey		Injector No.4
E8	3	Grey		Idle air control valve
E9	2	Grey		Knock sensor
E10	3	Black		Throttle position sensor
E11	2	Grey		Crank angle sensor
E12	1	Black		Oil pressure SW
E13	2	Brown		Water temp. sensor
E14	1			Temp. sensor
E15	1	Grey		P/S oil pressure SW
E18	2	Grey		Injector No.1
E19	2	Grey		Injector No.3
E20	8	Grey	B67	Bulkhead harness
E21	3	Grey		Ignition coil
E22	2	Black		CPC solenoid valve

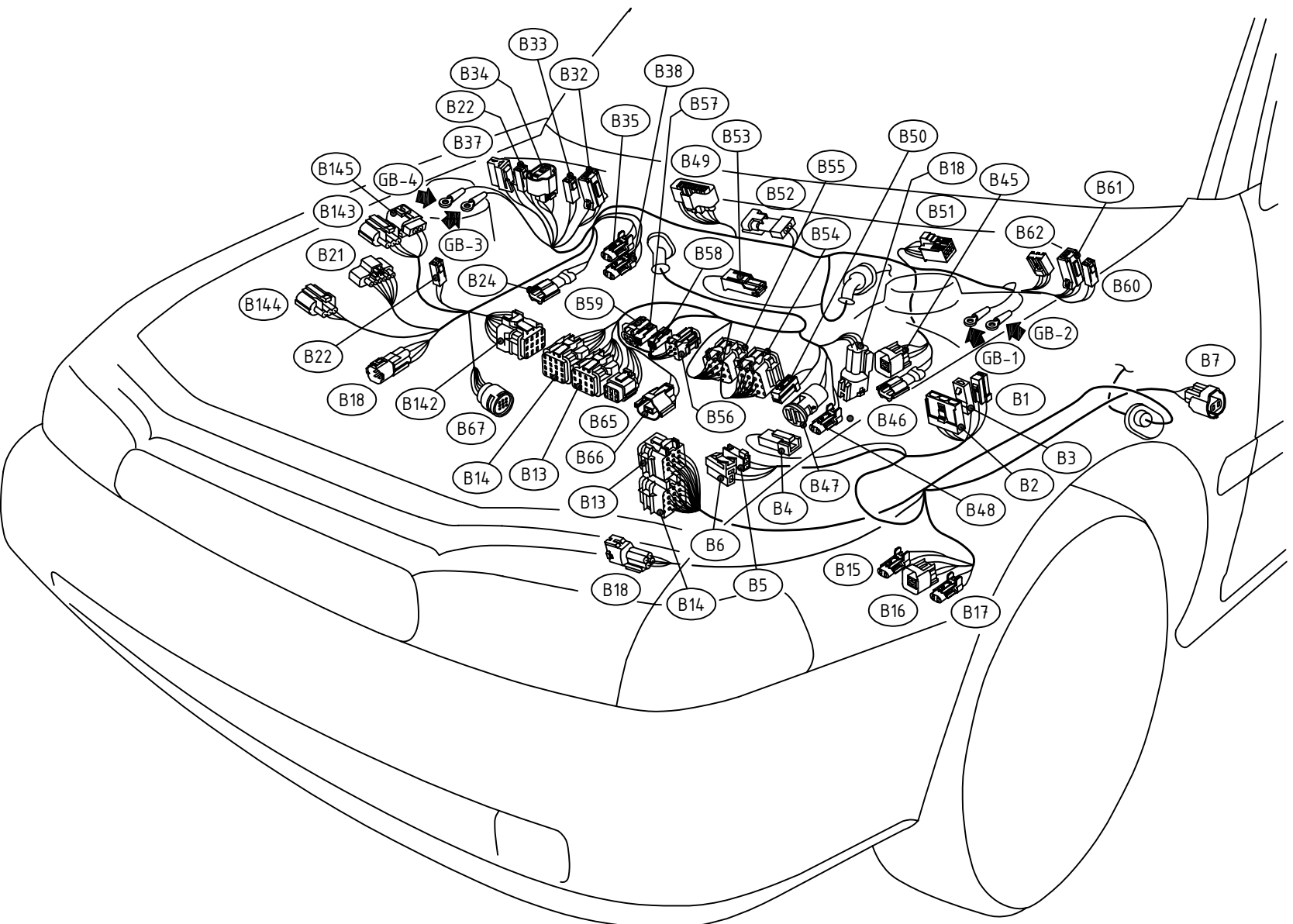
Transmission harness (AT)

Connector			Mating conn. No.	Name of connected component or harness
Nº	No. of term.	Colour		
E25	12	Grey	B55	Bulkhead harness (inhibitor SW)
E26	16	Grey	B54	Bulkhead harness (AT control)

Transmission harness (MT)

Connector			Mating conn. No.	Name of connected component or harness
Nº	No. of term.	Colour		
E23	2	Brown	B58	Bulkhead harness (neutral position SW)
E24	2	Grey	B57	Bulkhead harness (back-up light SW)
E27	2	Grey	B59	Bulkhead harness (4WD-L0 SW)

(6) Bulkhead harness (engine compartment)



116

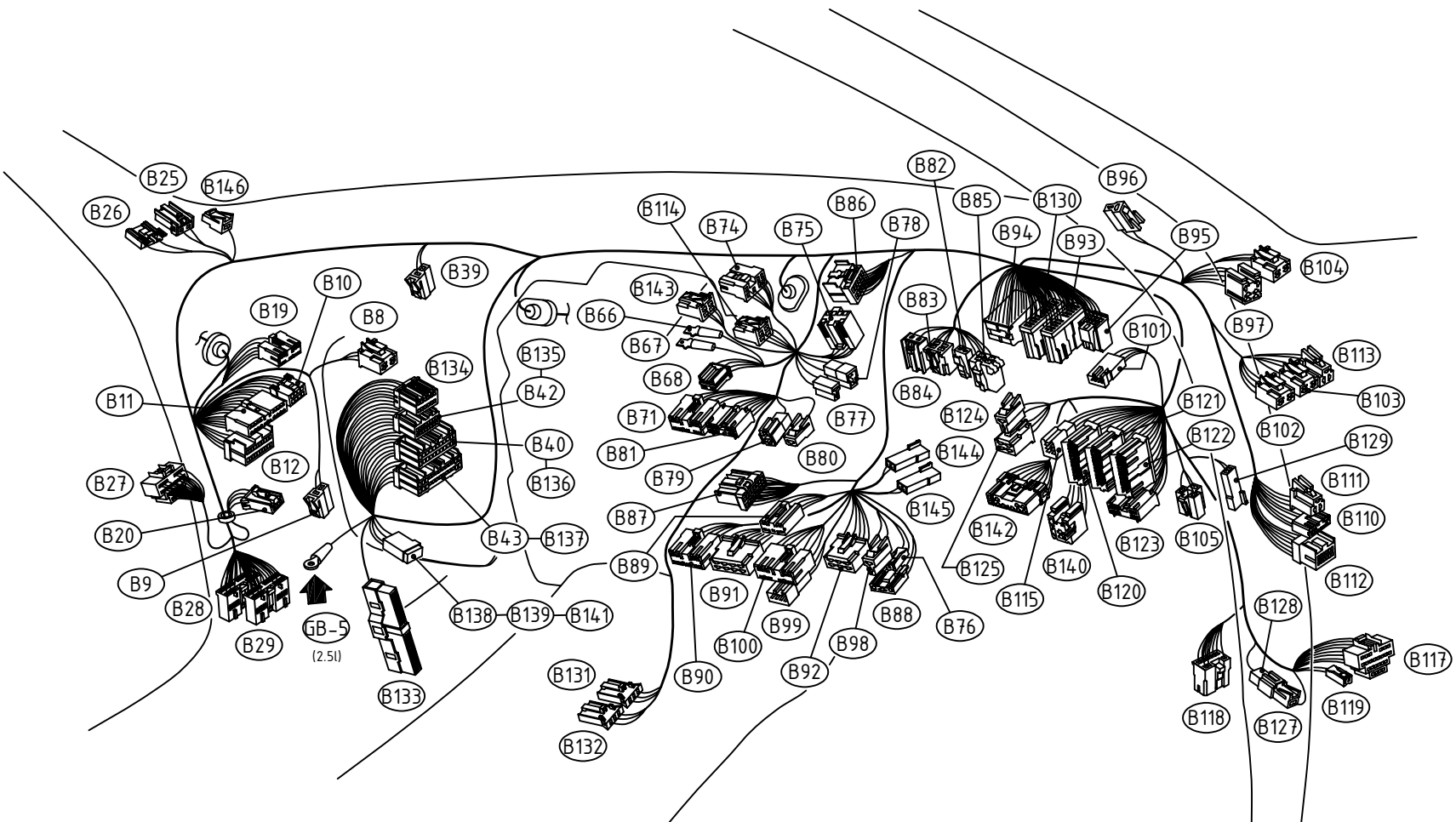
MB-058

1	2	3	4
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117

1	2	3	4
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(7) Bulkhead harness (cabin)



118

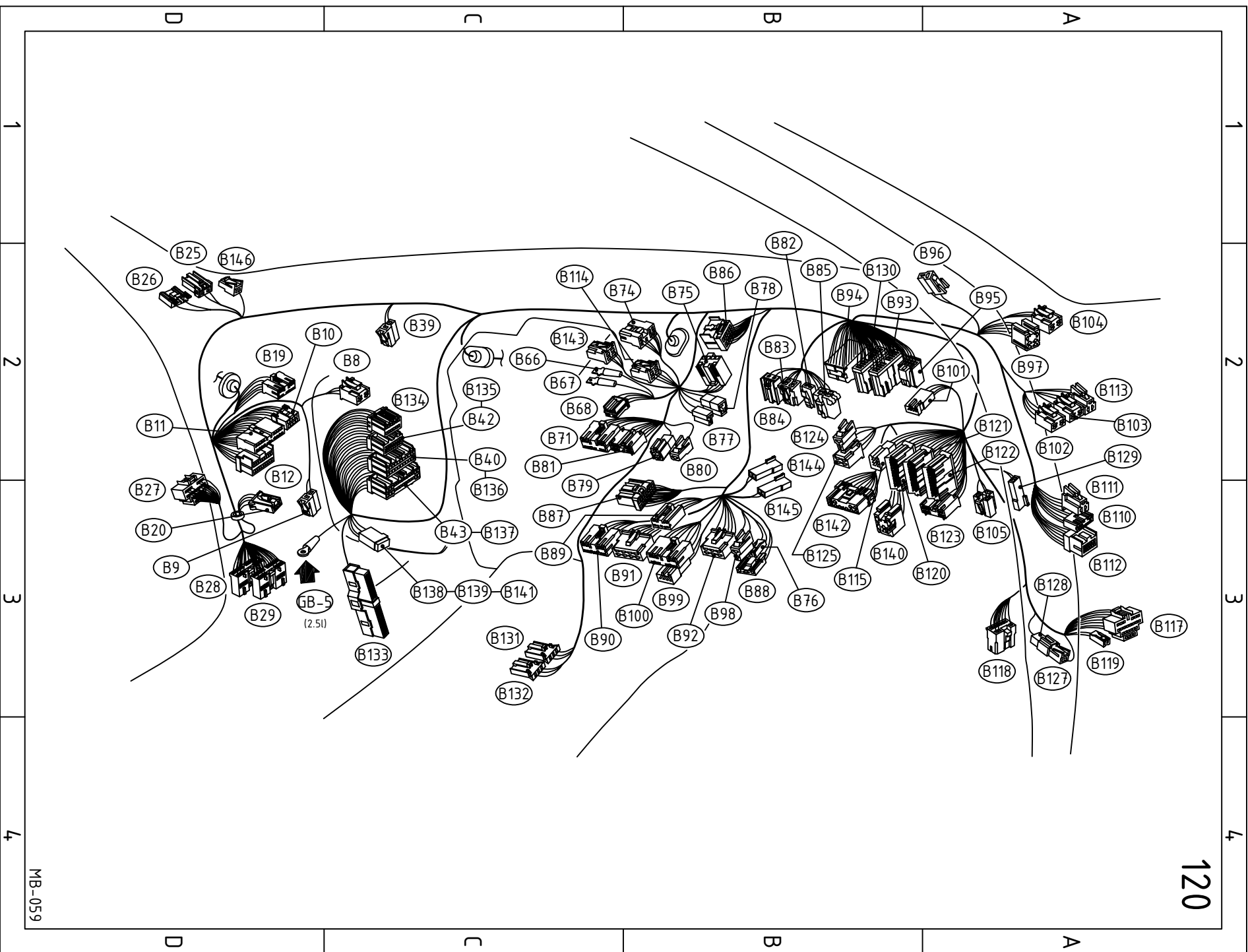
MB-059

(7) Bulkhead harness (cabin)

1	D				C				B				A			
	Connector			Mating conn. No.	Connector			Mating conn. No.	Connector			Mating conn. No.	Connector			Mating conn. No.
	Nº	No. of term.	Colour		Nº	No. of term.	Colour		Nº	No. of term.	Colour		Nº	No. of term.	Colour	
2	B8	4	Black						B82	2	Black					
	B9	2	Black						B83	4	Black					
	B10	8							B84	3	Black					
	B11	10							B85	4	Black					
		12							B86	12	Black					
	B12	20	Black						B87	16						
	B19	5							B88	2	Black					
	B20	4							B89	5	Black					
	B25	3		R921					B90	9						
	B26	2		R924					B91	8						
	B27	24		P820					B92	6	Black					
	B28	24		P508					B93	20		R400				
	B29	24	Black	P501					B94	40	Grey	F201				
	B39	2	Black						B95	8		F200				
	B40	22	Yellow						B96	2	Green	R900				
		22	Grey						B97	6	Brown					
	B42	16	Yellow						B98	2	Black					
		16	Grey						B99	2	Black					
	B43	26	Yellow							3						
		26	Grey						B100	11	Black					
3	B66	1							B101	4	Brown					
	B67	1							B102	4	Brown					
	B68	6	Black						B103	4	Blue					
	B71	9	Yellow						B104	4	Green					
	B74	7							B105	3	Black					
	B75	6	Blue	i317					B110	11	Grey					
	B76	2	Black						B111	3	Grey					
	B77	2	Green						B112	12	Grey					
	B78	2	Green						B113	3	Black					
	B79	1	Black	B80					B114	4	Pink					
	B80	1	Black	B79												
	B81	14	Grey													
4																

119

(7) Bulkhead harness (cabin)



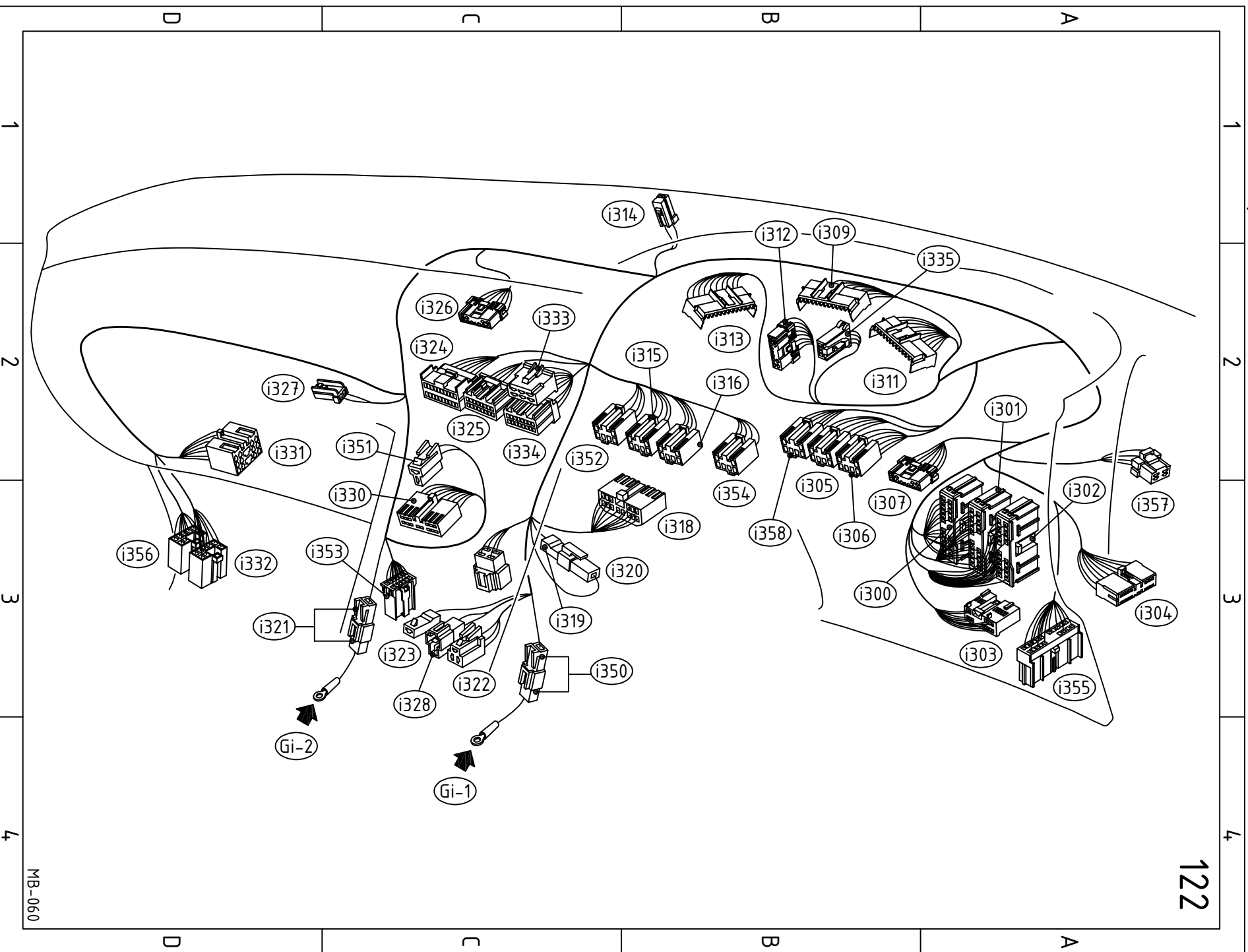
(7) Bulkhead harness (cabin)

D				C				B				A			
1	Connector			Mating conn. No.	Name of connected component or harness										
	Nº	No. of term.	Colour												
	B115	6	Black		Fuse connector										
	B117	24		P800	Door harness FR										
	B118	7	Yellow	AB1	Side airbag										
	B119	2	Black	P801	Door harness FR (keyless entry)										
	B120	22	Black	i300	Instrument panel harness										
	B121	22		i301	Instrument panel harness										
	B122	22	Brown	i302	Instrument panel harness										
	B123	14		i303	Instrument panel harness (AT)										
	B124	2			Power window circuit breaker										
	B125	5			Power window relay										
	B127	1		B128	Key registration connector										
	B128	1		B127	Key registration connector										
	B129	2	Black		Parking brake diode (turbo and 2.5L)										
	B130	20	Blue	R953	Rear harness										
	B131	4			AT shift lock solenoid and P position SW										
	B132	4	Black		AT selector illumination										
	2	B133	88	Green		EGI and AT control module (AT except 1.8L)									
		B134	12	Green		EGI & AT control module (1.8L, 2.0L lean burn)									
B135		16	Green		EGI & AT control module (1.8L, 2.0L lean burn)										
B136		22	Green		EGI & AT control module (1.8L, 2.0L lean burn)										
B137		26	Green		EGI & AT control module (1.8L, 2.0L lean burn)										
B138		12	Green		Sensor shield connector (1.8L AT and 2.5L MT)										
B139		22			Sensor shield connector (turbo and 2.0L non-turbo)										
B140		5	Black		Fog selector relay (Limited)										
B141		6	Grey		Sensor shield connector (1.8L MT lean burn)										
B142		10			Key reminder unit										
3	B143	4			Turn signal relay										
	B144	2	Black		Turn signal diode										
	B145	2	Black		Key warning diode (with step illumination)										
	B146	1			Sunroof and room light										
4															
D				C				B				A			

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121

(8) Instrument panel harness

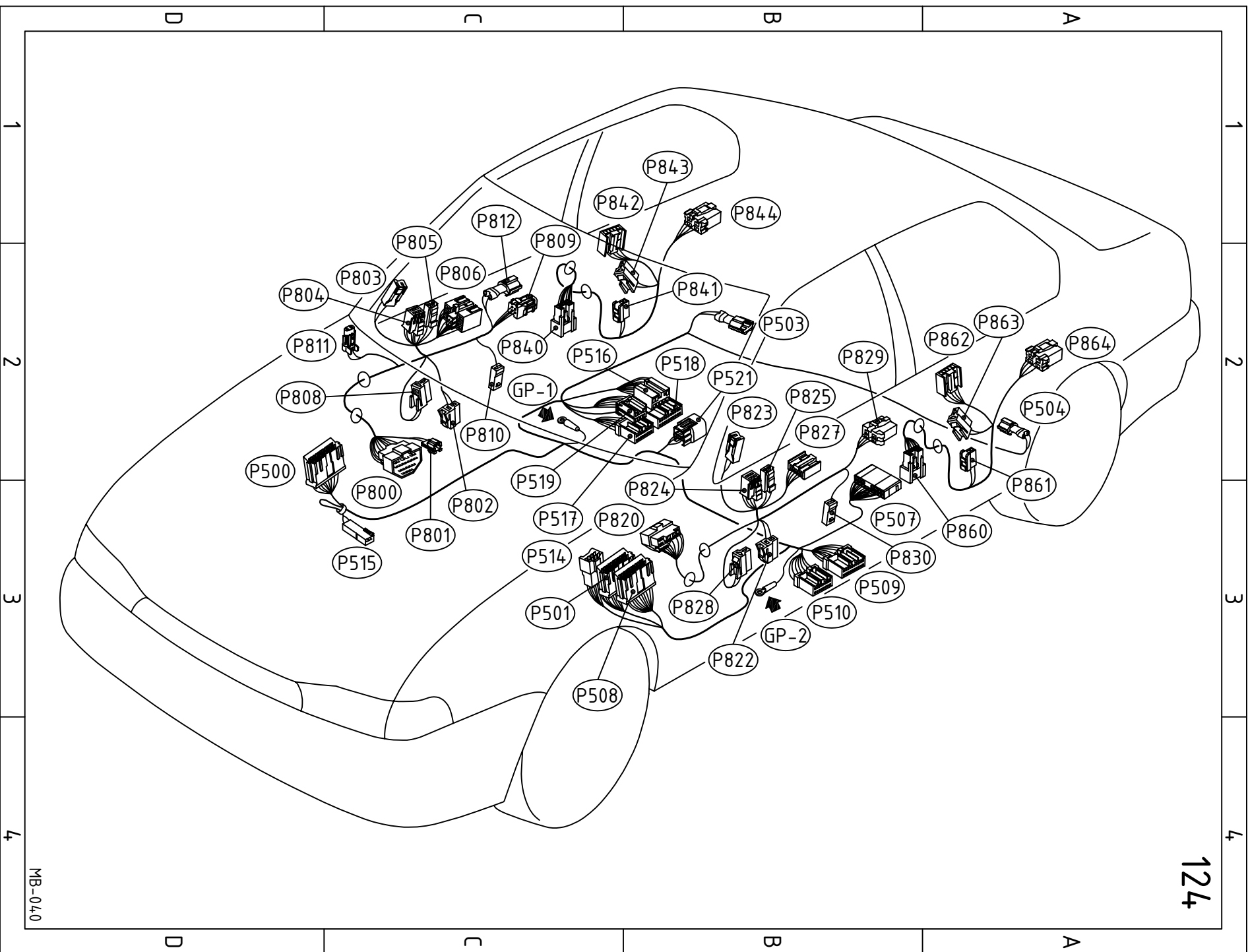


(8) Instrument panel harness

1	D				C				B				A				1
	Connector			Mating conn. No.	Name of connected component or harness				Connector			Mating conn. No.	Name of connected component or harness				
Nº	No. of term.	Colour	Nº						No. of term.	Colour							
i300	22	Black	B120	Bulkhead harness				i335	5			Comb. meter (speed connector)					
i301	22		B121	Bulkhead harness				i350	1	Black		Ground					
i302	22	Brown	B122	Bulkhead harness				i351	2	White		Radio antenna					
i303	14		B123	Bulkhead harness				i352	6	Brown		SW (FAN CARGO)					
i304	15	Grey		F/B-f				i353	12			TV connector					
i305	6	Brown		Cruise control SW				i355	20	Black	R954	Rear harness					
i306	6	Yellow		Fog light SW				i356	8			Navigation system					
i307	10			Door mirror control SW				i357	4	White		Rear defogger timer					
i309	16			Combination meter				i358	5			Fog selector SW (Limited)					
i311	13			Combination meter				i354	No description; not in diagrams								
i312	10	Green		Combination meter (AT)													
i313	16			Combination meter													
i314	2	Black		Sunload sensor (A/C)													
i315	6	Black		TCS SW													
i316	6			Rear defogger SW													
i317	6	Blue	B75	Bulkhead harness													
i318	14	Black		Heater unit (A/C)													
i319	1			Defroster connector (A/C)													
i320	1			Defroster ground connector (A/C)													
i321	1	Black		Ground connector (audio system)													
i322	3			Cigarette lighter illumination													
i323	1			Cigarette lighter													
i324	20	Black		Auto A/C													
i325	16	Black		Auto A/C													
i326	10			Hazard SW													
i327	2	Brown		Glove box illumination													
i328	2	Black		Ashtray illumination													
i330	14			Radio													
i331	14	Black		A/C control module													
i332	8		P514	Floor harness													
i333	8			SW (manual A/C)													
i334	16	Black		A/C control panel (manual)													
2	D				C				B				A				2
3	D				C				B				A				3
4	D				C				B				A				4

123

(9) Floor and door harnesses



(9) Floor and door harnesses

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Floor harness

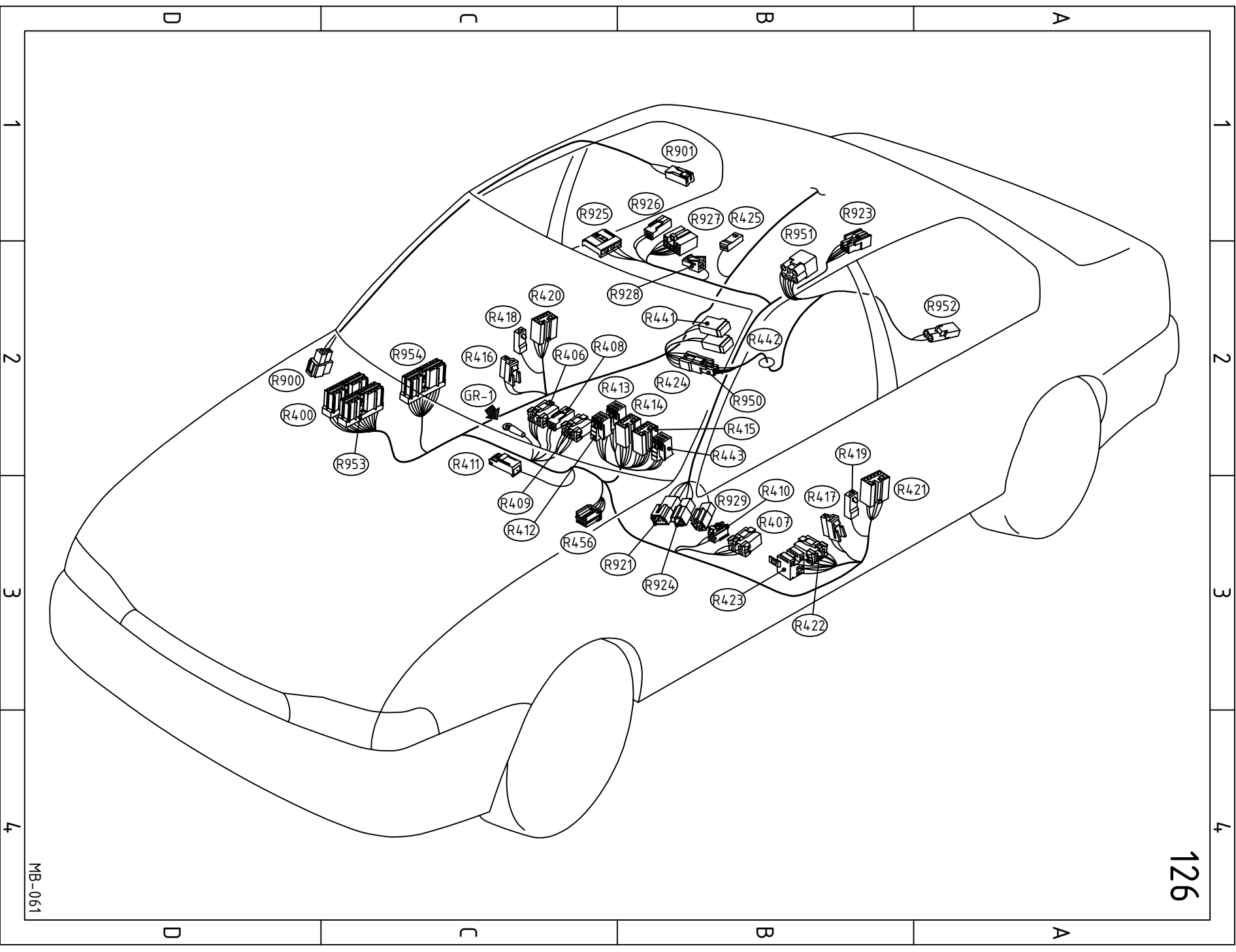
Connector			Mating conn. No.	Name of connected component or harness
Nº	No. of term.	Colour		
P500	20	Blue	F202	Front harness (with TCS)
	12			Front harness (with ABS)
P501	24	Black	B29	Bulkhead harness (with TCS)
P503	2	Grey		ABS sensor RR (with ABS and TCS)
	2			ABS sensor RR (Grand Wagon)
P504	2	Grey		ABS sensor RL (with ABS and TCS)
	2			ABS sensor RL (Grand Wagon)
P507	16	Black	R444	Rear harness (with air suspension)
P508	24		B28	Bulkhead harness (with air suspension)
P509	20			Height control module (with air suspension)
P510	16			Height control module (with air suspension)
P514	8		i332	Instrument panel harness (with TCS)
P515	2	Black		TCS diode (with TCS)
P516	8			TCS control module (with TCS)
P517	16			TCS control module (with TCS)
P518	20			TCS control module (with TCS)
P519	6			TCS control module (with TCS)
P521	3	Black		ABS G sensor (with ABS and 4WD)

Door harness

Connector			Mating conn. No.	Name of connected component or harness
Nº	No. of term.	Colour		
P800	24		B117	Bulkhead harness
P801	2	Black	B119	Bulkhead harness
P802	2			Main speaker FR
P803	2	Black		Speaker FR (tweeter)
P804	6			Door mirror RH
P805	2			Door mirror heater RH
P806	14			Power window main SW FR
P808	2	Green		Power window motor FR

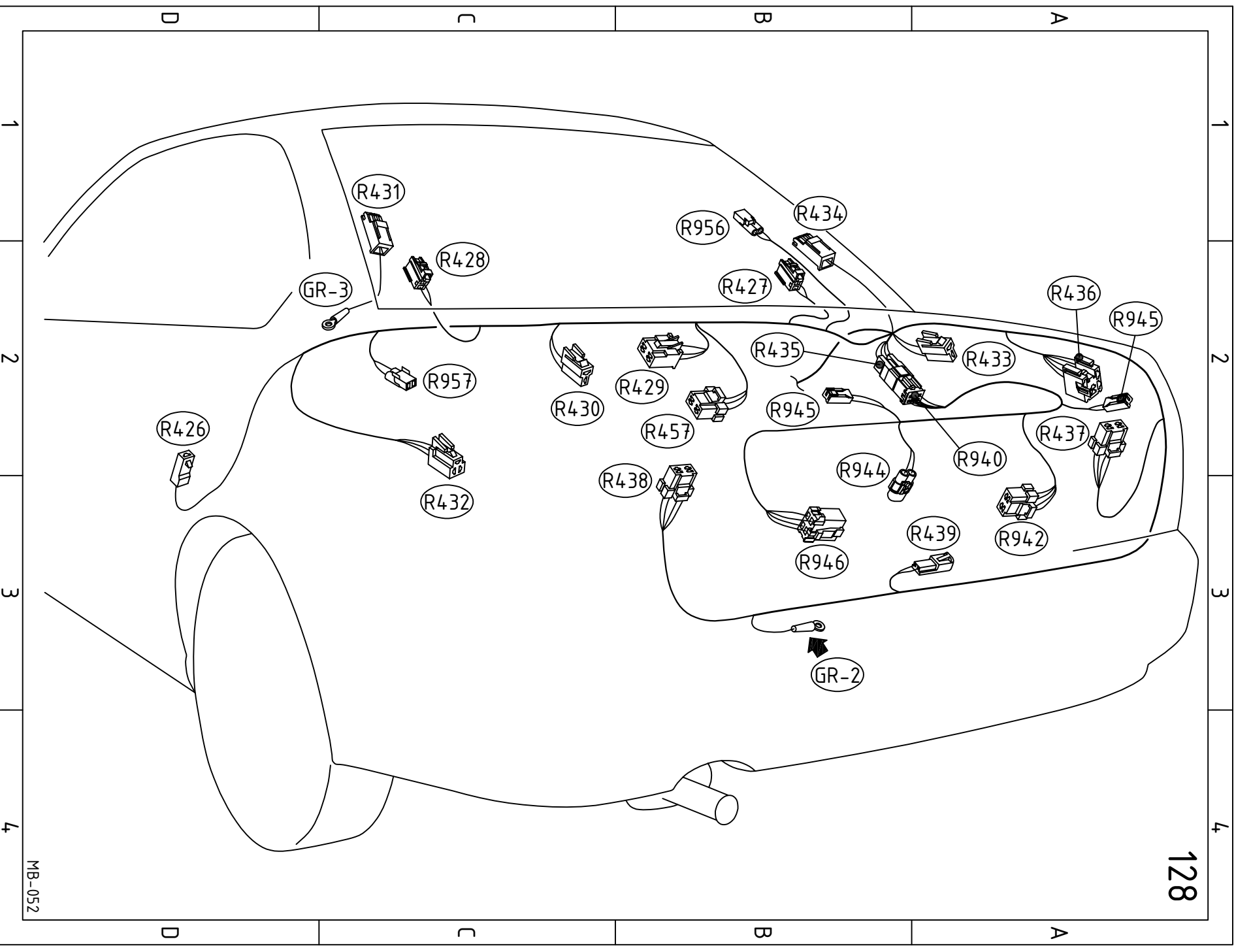
Connector			Mating conn. No.	Name of connected component or harness
Nº	No. of term.	Colour		
P809	2	Grey		Door lock RH (without keyless entry)
	4	Grey		Door lock actuator FR (with keyless entry)
P810	2	Black		Door light RH
P811	2	Grey		Horn (turbo with keyless entry)
P812	2	Grey		Switch (turbo with keyless entry)
P820	24		B27	Bulkhead harness
P822	2			Main speaker FL
P823	2	Black		Speaker FL (tweeter)
P824	6			Door mirror LH
P825	2			Door mirror heater LH
P827	5			Power window SW FL
P828	2	Green		Power window motor FL
P829	4			Door lock actuator FL
P830	2	Black		Door light LH
P840	8		R420	Rear harness
P841	2	Black		Main speaker RR (wagon)
P842	5			Power window SW RR
P843	2	Green		Power window motor RR
P844	4			Door lock actuator RR
P860	8		R421	Rear harness
P861	2	Black		Main speaker RL (wagon)
P862	5			Power window SW RL
P863	2	Green		Power window motor RL
P864	4			Door lock actuator RL

(10) Rear harness



D				C				B				A					
Rear harness								Lighting harness									
Connector				Mating conn. No.	Name of connected component or harness				Connector				Mating conn. No.	Name of connected component or harness			
Nº	No. of term.	Colour	Nº						No. of term.	Colour							
R400	20		B93		Bulkhead harness				R900	2	Green	B96		Bulkhead harness			
R406	4	Blue			Seat heater FR				R901	2				Room light			
R407	4	Blue			Seat heater FL												
R408	2	Black			Power seat												
R409	4				Seat belt SW FR												
R410	2				Seat belt SW FL												
R411	1	Black			Parking brake SW												
R412	6				Seat heater SW FR												
R413	6	Blue			Seat heater SW FL												
R414	8				Wiper deicer SW												
R415	8	Black			AT SNOW SW												
R416	2				Seat belt pretensioner FR												
R417	2				Seat belt pretensioner FL												
R418	1	Brown			Door SW FR												
R419	1	Brown			Door SW FL												
R420	8		P840		Door harness RR												
R421	8		P860		Door harness RL												
R422	4				Wiper timer												
R423	4	Blue			Wiper deicer relay												
R424	6	Black	R950		Fuel tank harness												
R425	1	Brown			Door SW RR												
R441	8				Speaker connector RR (wagon)												
R442	8				Speaker connector RL (wagon)												
R443	6	Black			Height control SW (AT)												
R456	6				Air ionizer SW												
R953	20	Blue	B130		Bulkhead harness												
R954	20	Black	i355		Instrument panel harness												
								Sunroof harness									
Connector				Mating conn. No.	Name of connected component or harness				Connector				Mating conn. No.	Name of connected component or harness			
Nº	No. of term.	Colour	Nº						No. of term.	Colour							
R921	3		B25		Bulkhead harness (with keyless entry)				R923	6	Black			Sunroof control module (wagon)			
R924	2		B26		Bulkhead harness				R925	4				Keyless entry control module			
R926	2				Room light				R927	6	Green			Sunroof SW (wagon)			
R928	1				Sunroof motor (sedan)				R929	1		B146		Bulkhead harness			
								Fuel tank harness									
Connector				Mating conn. No.	Name of connected component or harness				Connector				Mating conn. No.	Name of connected component or harness			
Nº	No. of term.	Colour	Nº						No. of term.	Colour							
R950	6	Black	R424		Rear harness				R951	6				Fuel level sensor and fuel pump			
R952	2				Fuel level sensor (4WD)												
127																	

(11) Rear and trunk lid harness (sedan)



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MB-052

(11) Rear and trunk lid harness (sedan)

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Rear harness

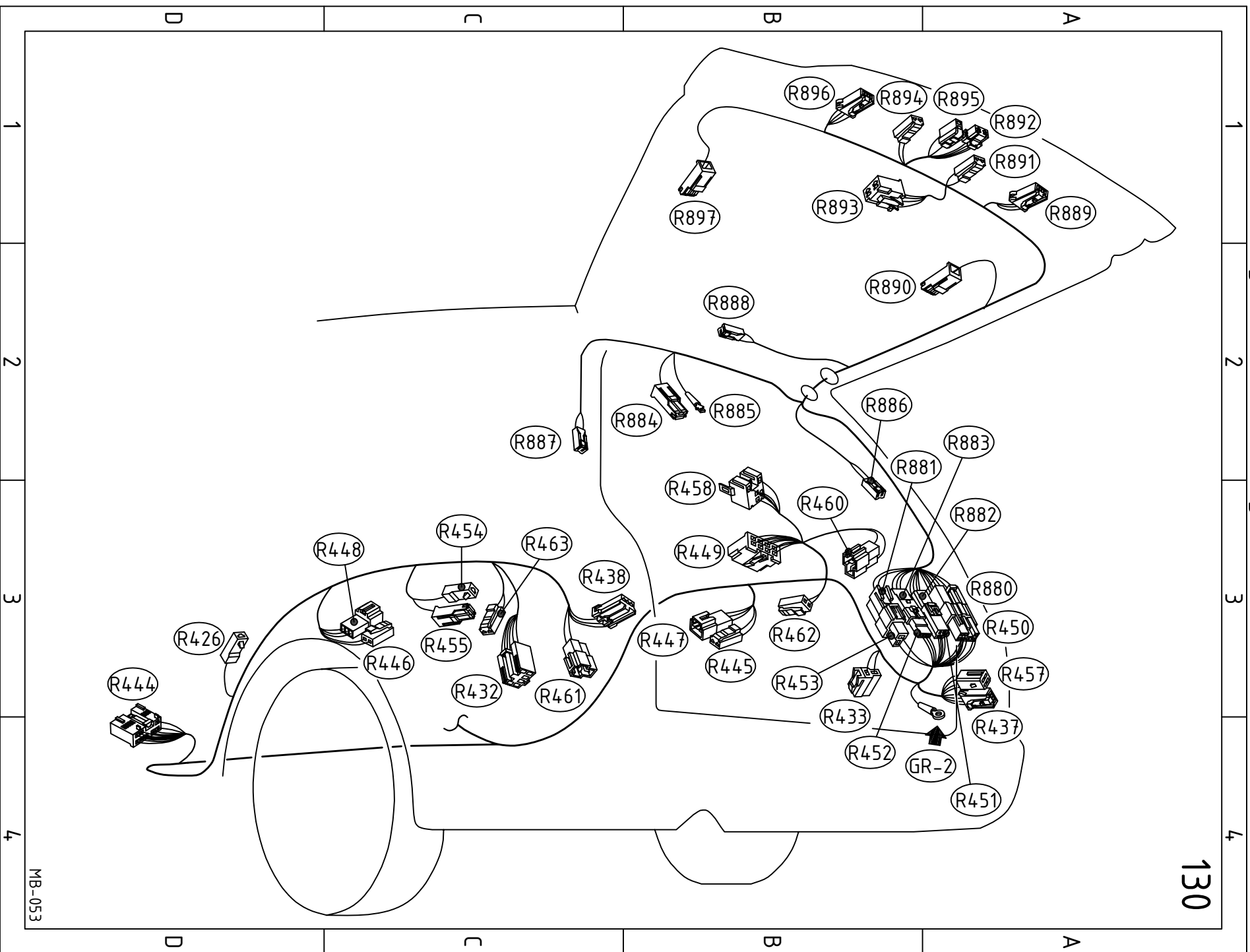
Connector			Mating conn. No.	Name of connected component or harness
Nº	No. of term.	Colour		
R426	1	Brown		Door SW RL
R427	2	Black		Speaker RR
R428	2	Black		Speaker RL
R429	4			Rear wiper motor
R430	2	Blue		Luggage room light
R431	1	Black		Rear window defogger (ground)
R432	3			Antenna (without TV)
	6			Antenna (with TV)
R433	2	Black		Rear defogger condenser
R434	1	Black		Rear window defogger (power, +)
R435	6		R940	Trunk lid harness
R436	5	Black		Rear wiper relay
R437	4			Stop light RR
R438	4			Stop light RL
R439	2			Room light SW
R457	4	Black		Air ionizer
R956	2			TV amplifier RH
R957	2			TV amplifier LH

Trunk lid harness

Connector			Mating conn. No.	Name of connected component or harness
Nº	No. of term.	Colour		
R940	6		R435	Rear harness
R942	4			Stop light RR
R944	2			License plate light
R945	2			High-mount stop light (trunk lid)
	2	Black		Spoiler stop light
R946	4			Stop light RL

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(12) Rear and rear gate harness (wagon)



(12) Rear and rear gate harness (wagon)

D					C					B					A						
Rear harness										Rear gate harness											
1	Connector			Mating conn. No.	Name of connected component or harness	1	Connector			Mating conn. No.	Name of connected component or harness	1									
	Nº	No. of term.	Colour				Nº	No. of term.	Colour												
2	R426	1	Brown		Door SW RL	2	R880	8		R450	Rear harness	2									
	R432	6			Antenna		R881	2		R453	Rear harness										
	R433	2	Black		Rear defogger condenser		R882	4		R451	Rear harness										
	R437	4	Black		Stop light RR (body)		R883	4	Black	R452	Rear harness										
	R438	4	Black		Stop light RL (body)		R884	1	Black		Lug. room light (+12V)										
	R444	16	Black	P507	Floor harness (with air suspension)		R885	1			Lug. room light (0V)										
	R445	2	Black		A/S solenoid valve RR (with air suspension)		R886	2	Black		Luggage speaker RH (tweeter)										
	R446	2	Black		A/S solenoid valve RL (with air suspension)		R887	2	Black		Luggage speaker RL (tweeter)										
	R447	4	Black		A/S sensor RR (with air suspension)		R888	2			High-mount stop light										
	R448	4	Black		A/S sensor RL (with air suspension)		R889	4	Black		Rear gate stop light RR										
3	R449	8			Rear wiper control unit	3	R890	1	Black		Rear defogger (+12V)	3									
	R450	8		R880	Rear gate harness		R891	2			License plate light RH										
	R451	4		R882	Rear gate harness		R892	4			Rear gate lock actuator										
	R452	4	Black	R883	Rear gate harness		R893	4			Rear wiper motor										
	R453	2		R881	Rear gate harness		R894	2			License plate light LH										
	R454	1			Cig. lighter (+12V)		R895	2	Black		Rear gate SW										
	R455	1	Black		Cig. lighter (0V)		R896	4	Black		Rear gate stop light RL										
	R457	4			Air ionizer		R897	1	Black		Rear defogger (0V)										
	R458	5	Black		Rear wiper relay																
	R460	2	Black		Luggage room fan RR (GrandWagon)																
R461	2	Black		Luggage room fan RL (GrandWagon)																	
R462	2	Black		TV amplifier RH																	
R463	2	Black		TV amplifier LH																	
4																					131
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