

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

	1	2	3	4
	CONTENTS			
A	1. How to use this manual			1
	2. Wiring diagrams			
	(1) Power supply circuit			8
	(2) Engine control circuit (1.8L MT)			12
	(3) Engine control circuit (1.8L AT)			16
	(4) Engine control circuit (2.0L MT)			20
	(5) Engine control circuit (2.0L AT)			24
	(6) Engine control circuit (2.0L Lean Burn)			28
	(7) Engine control circuit (2.0L turbo MT)			32
	(8) Engine control circuit (2.0L turbo AT)			36
	(9) Engine control circuit (2.5L MT)			40
B	(10) Engine control circuit (2.5L AT)			44
	(11) AT control circuit (1.8L)			48
	(12) AT control circuit (2.0L and 2.5L)			50
	(13) AT shift lock control circuit			52
	(14) Ionizer circuit			53
	(15) Air conditioner circuit			54
	(16) ABS control circuit			56
	(17) TCS control circuit			58
	(18) Electronic air suspension circuit			60
	(19) Cruise control circuit			62
	(20) Starter circuit			63
	(21) Power door lock circuit			64
C	(22) Keyless entry circuit (2.0L non-turbo)			65
	(23) Keyless entry circuit (2.0L turbo and 2.5L)			66
	(24) Stop light circuit			67
	(25) Back-up light circuit			68
	(26) Turn signal and hazard light circuit			69
	(27) Fog light circuit, with cornering light			70
	(28) Fog light circuit, without cornering light			71
	(29) Lighting circuit (reflector headlight)			72
	(30) Lighting circuit (projector headlight)			73
	(31) Lighting circuit (position and illumination lights)			74
	(32) Combination meter			76
	(33) Charge warning light circuit			78
D	(34) Brake fluid level and parking brake warning light circuit (without TCS)			79
	(35) Brake fluid level and parking brake warning light circuit (with TV and navigation)			80
	(36) Fuel level sensor circuit			81
	(37) Interior light circuit			82
	1	2	3	4

	1	2	3	4
A	(38)	Seat belt warning light and pretensioner circuit	83	A
	(39)	Airbag circuit (driver)	84	
	(40)	Airbag circuit (driver and passenger)	85	
	(41)	Airbag circuit (driver, passenger and side)	86	
	(42)	Front wiper and washer circuit	87	
	(43)	Rear wiper and washer circuit (continuous)	88	
	(44)	Rear wiper and washer circuit (intermittent)	89	
	(45)	Horn and cigarette lighter circuit	90	
	(46)	Audio system circuit	91	
	(47)	TV and navigation circuit	92	
B	(48)	Sunroof and interior light circuit	93	B
	(49)	Power window circuit	94	
	(50)	Door mirror circuit	96	
	(51)	Rear defogger circuit (without timer)	97	
	(52)	Rear defogger circuit (with timer)	98	
	(53)	Seat heater and luggage room socket circuit	99	
	(54)	Wiper deicer circuit	100	
	(55)	Driver's power seat circuit	101	
	(56)	Power steering circuit	102	
	(57)	Luggage room fan circuit (GrandWagon)	103	
	(58)	4WD-LO indicator light circuit	104	
	(59)	Body ground circuit	105	
C	3.	Harness routing and connector location		C
		Overall harness layout	107	
	(1)	Front harness	108	
	(2)	Engine harness (1.8L)	110	
	(3)	Engine harness (2.0L Lean Burn)	111	
	(4)	Engine and transmission harness (2.0L)	112	
	(5)	Engine and transmission harness (2.5L)	114	
	(6)	Bulkhead harness (engine compartment)	116	
	(7)	Bulkhead harness (cabin)	118	
	(8)	Instrument panel harness	122	
	(9)	Floor and door harnesses	124	
	(10)	Rear harness	126	
D	(11)	Rear and trunk lid harness (sedan)	128	D
	(12)	Rear and rear gate harness (wagon)	130	
	1	2	3	4

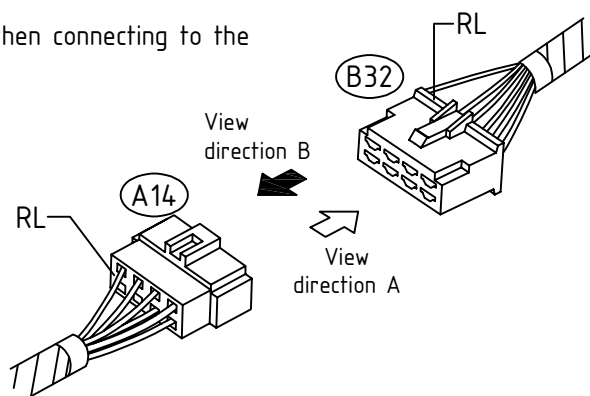
1. How to use this manual.

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).

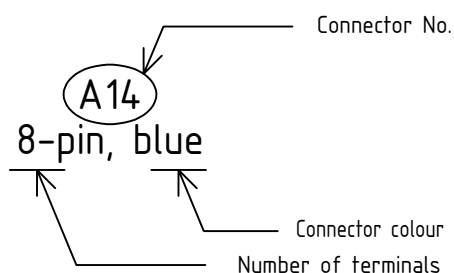
1. Reading a connector.
Connector terminals are generally shown as seen from the harness side, and on the wiring diagram with the view direction marked.



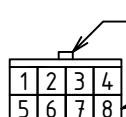
2. Connector symbols on the diagrams.
Male connectors are drawn in a single frame, female connectors in a double frame.

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.



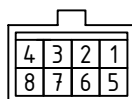
View direction A



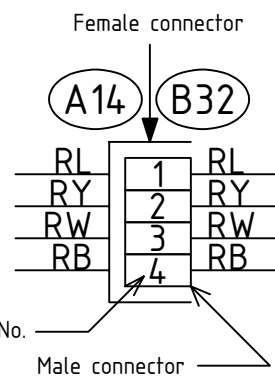
Lock

Single frame
(male connector)

View direction B



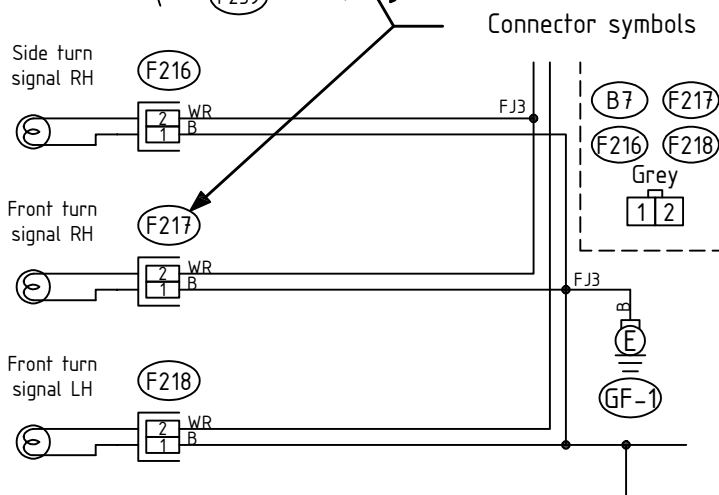
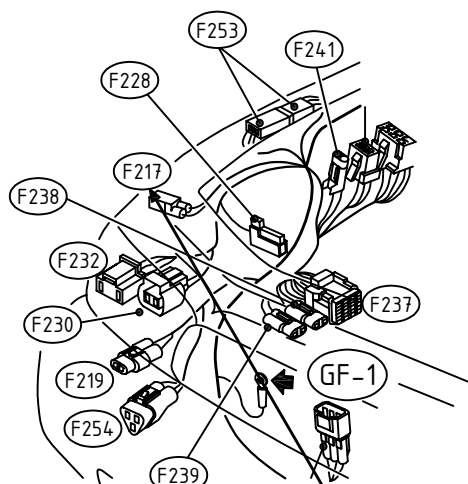
Double frame
(female connector)



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.

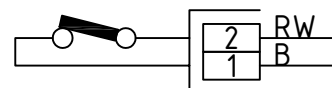
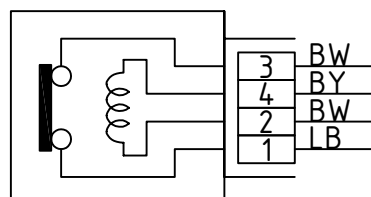
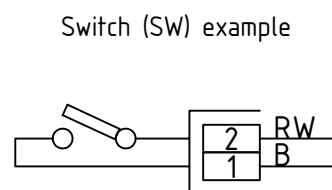
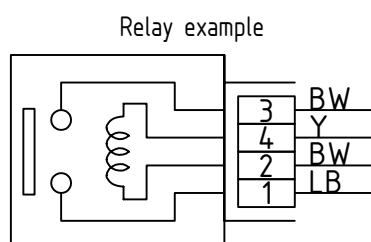
Group	Name
F	Front harness
E	Engine and transmission harness
B	Bulkhead harness
i	Instrument panel harness
P	Floor and door harnesses
R	Rear and rear gate harness



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

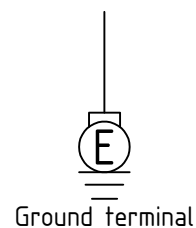
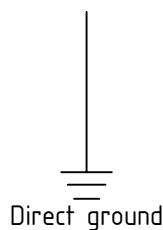
NO (Normal Open) - Normally open contact (open when not energized)

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.



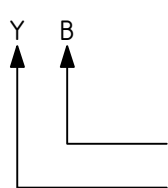
GF1	GF2	Ground (front harness)
GE		Engine ground
GB-1	GB-3	Ground (bulkhead harness)
GB-2	GB-4	Ground (airbag)
GP1	GP2	Ground (floor harness)
GR		Ground (radio)
Gi1		Ground (combination meter)
GR1	GR2	Ground (rear harness)
GD		Ground (rear defogger)

6. Wire colours in the diagrams.

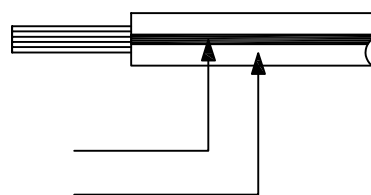
Colour code	L	B	Y	G	R	W	Br	Lg	O	Sb	Gr	P
Colour	Blue	Black	Yellow	Green	Red	White	Brown	Light green	Orange	Light blue	Grey	Pink

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

Example:



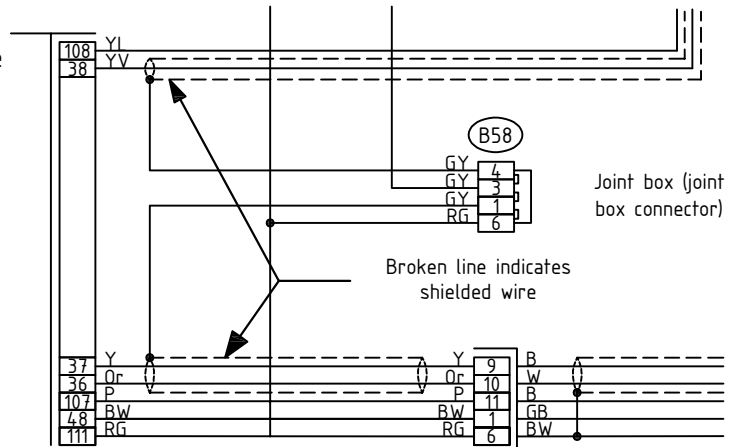
Stripe colour (black)
Base colour (yellow)



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.

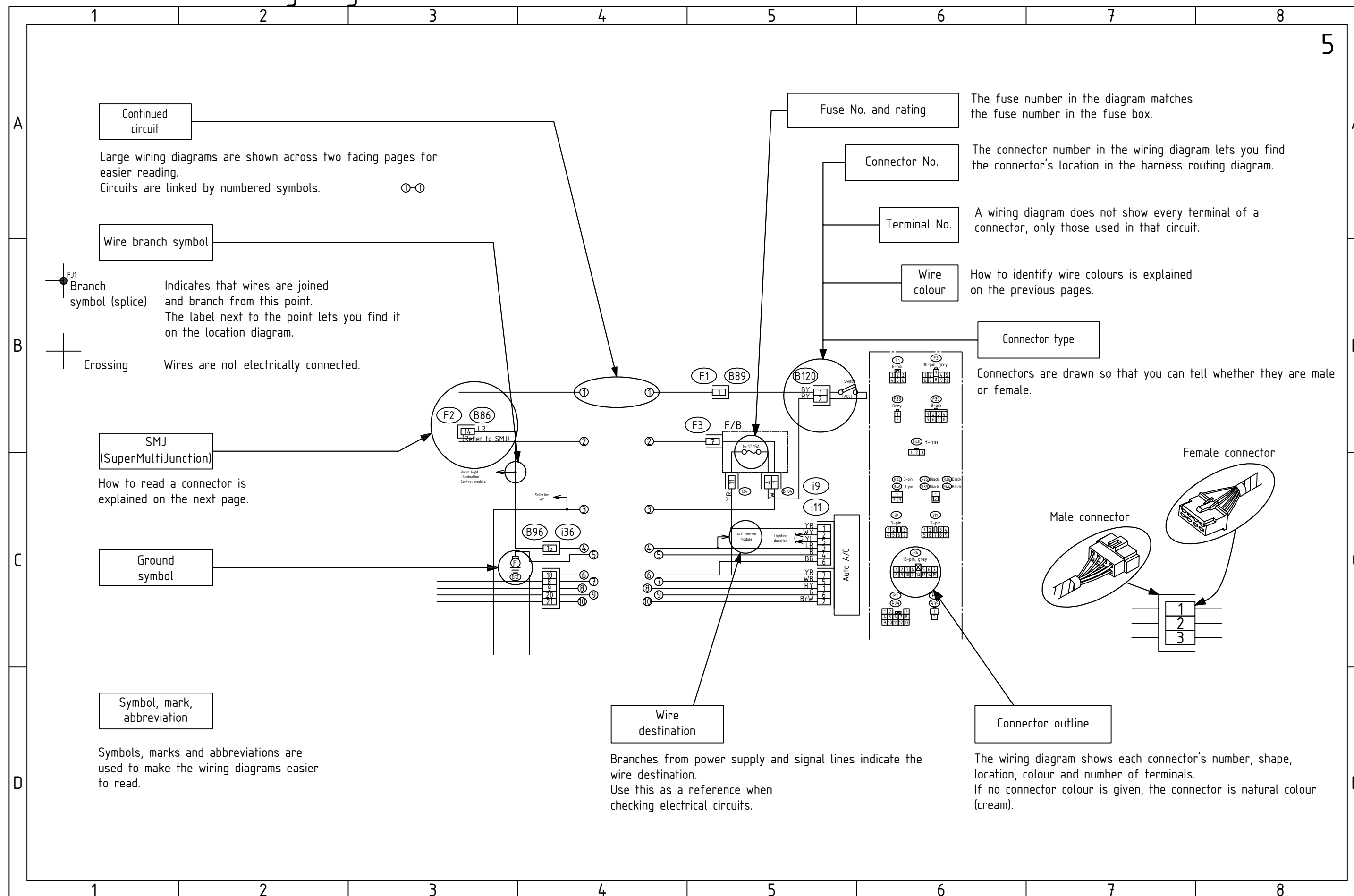
A shielded wire is a vinyl-insulated wire covered with a metal braid. The braid is grounded to prevent electrostatic coupling with external sources.



8. Abbreviations.

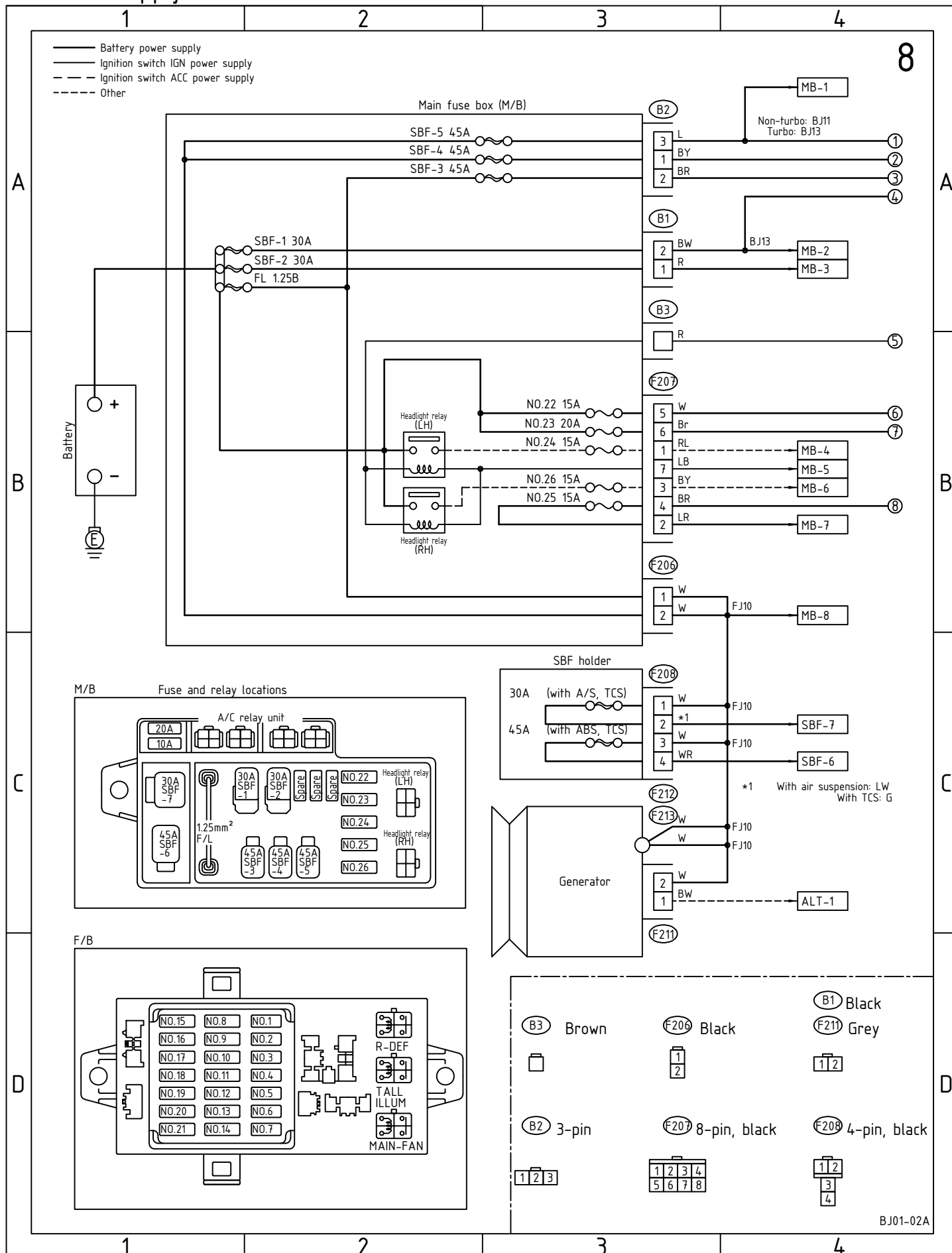
Abbreviation	Meaning	Abbreviation	Meaning
IG	Ignition	A/S	Air suspension
ACC	Accessory	A/C	Air conditioner
ST	Starter	PASS	Flash
B	Battery	MG	Magnet
E	Ground	WASH	Washer
LH	Left	D, DN	Down
RH	Right	U, UP	Up
ABS	Anti-lock brake system	AD	Automatic OFF
SBF	Fuse	AU	Automatic ON
ISC	Idle speed control	Lo	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

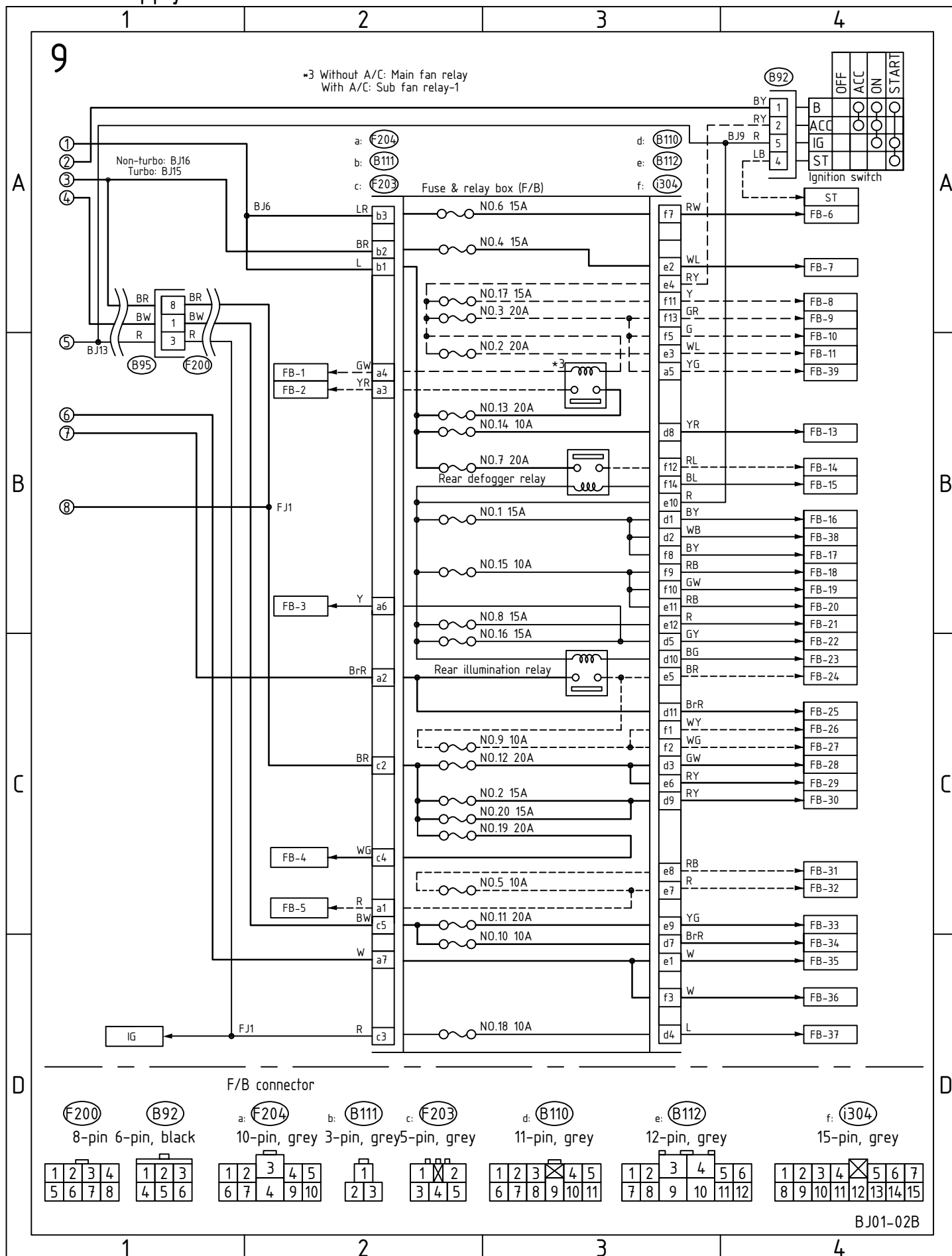


2. Wiring diagrams

(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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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

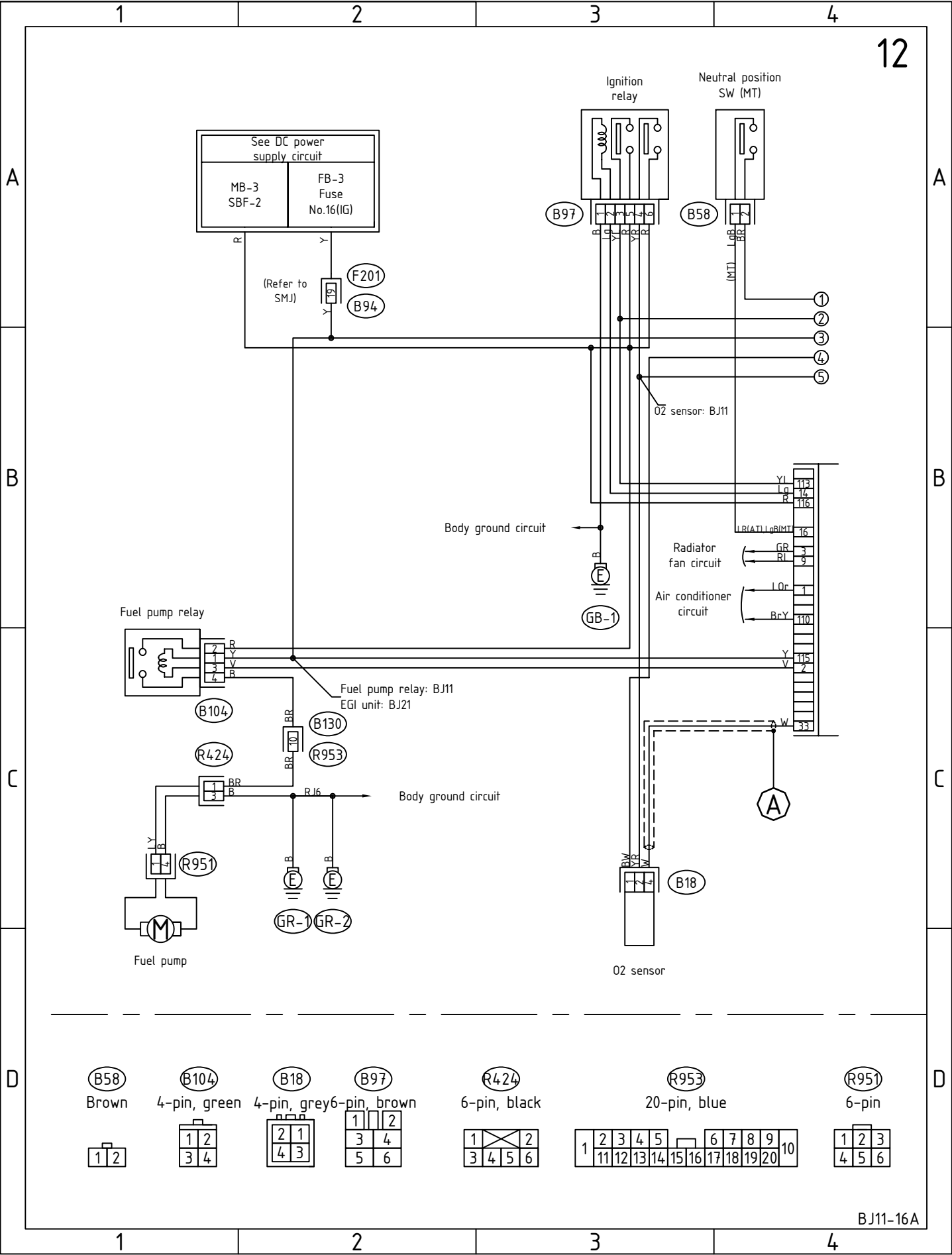
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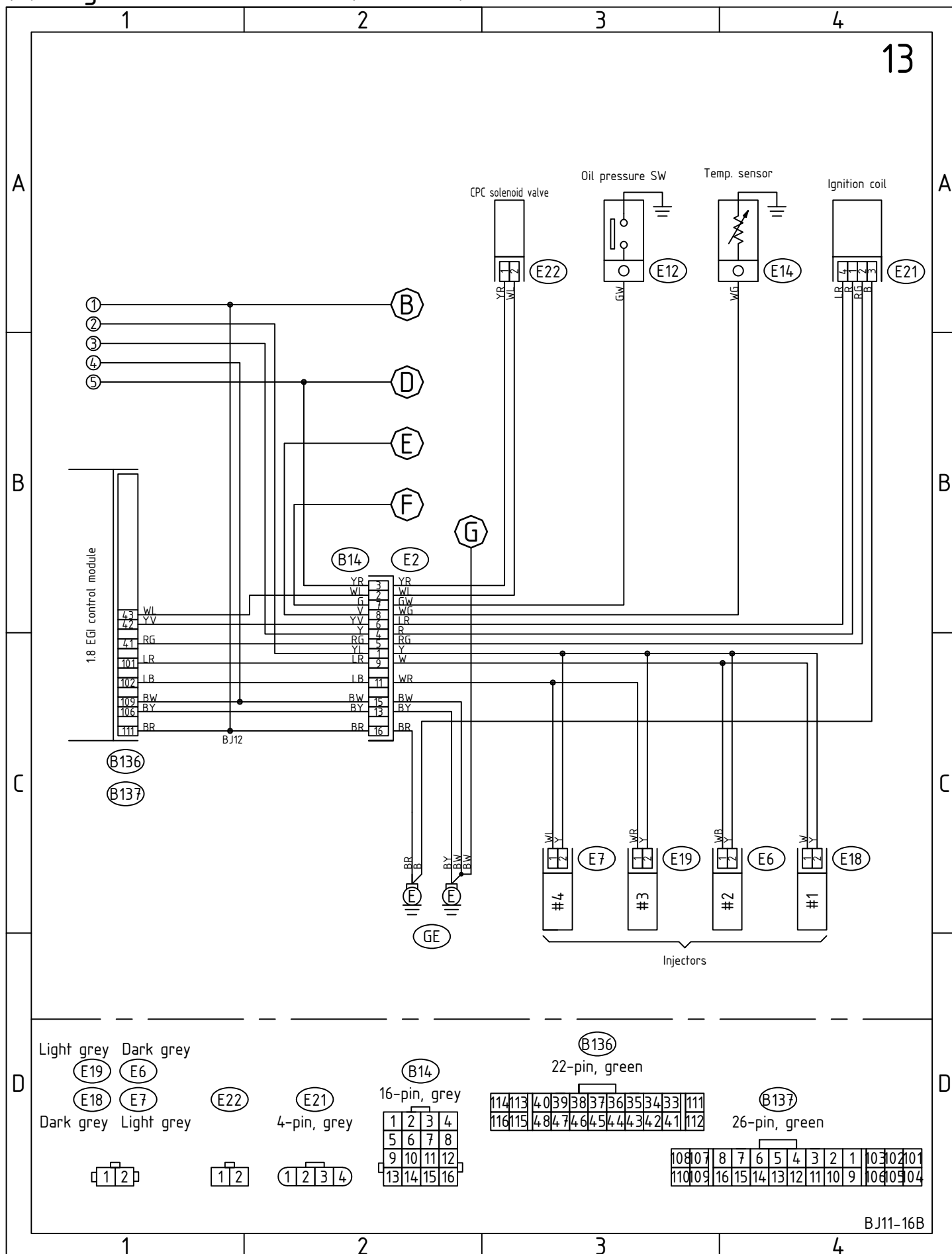
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4

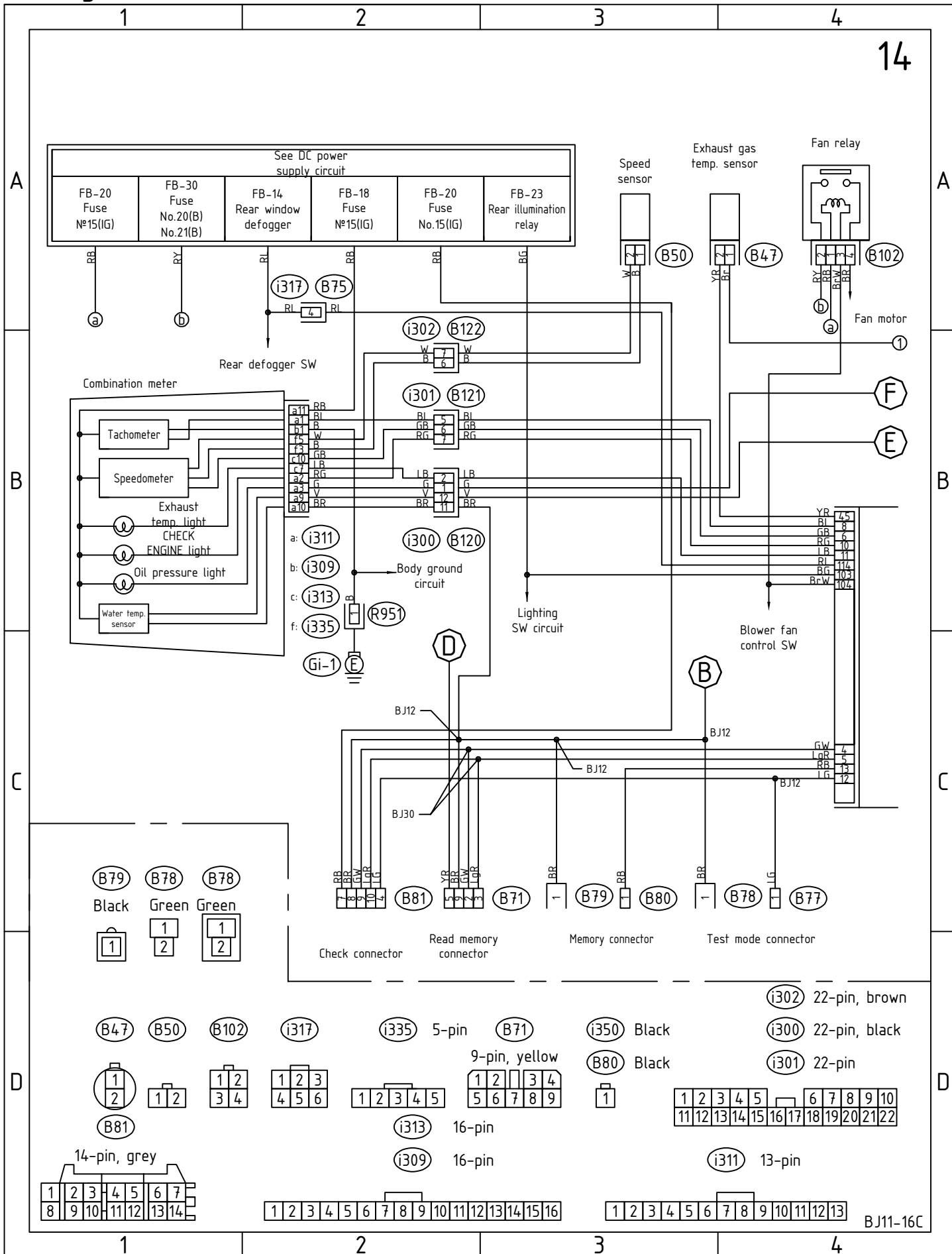
(2) Engine control circuit (1.8L MT)



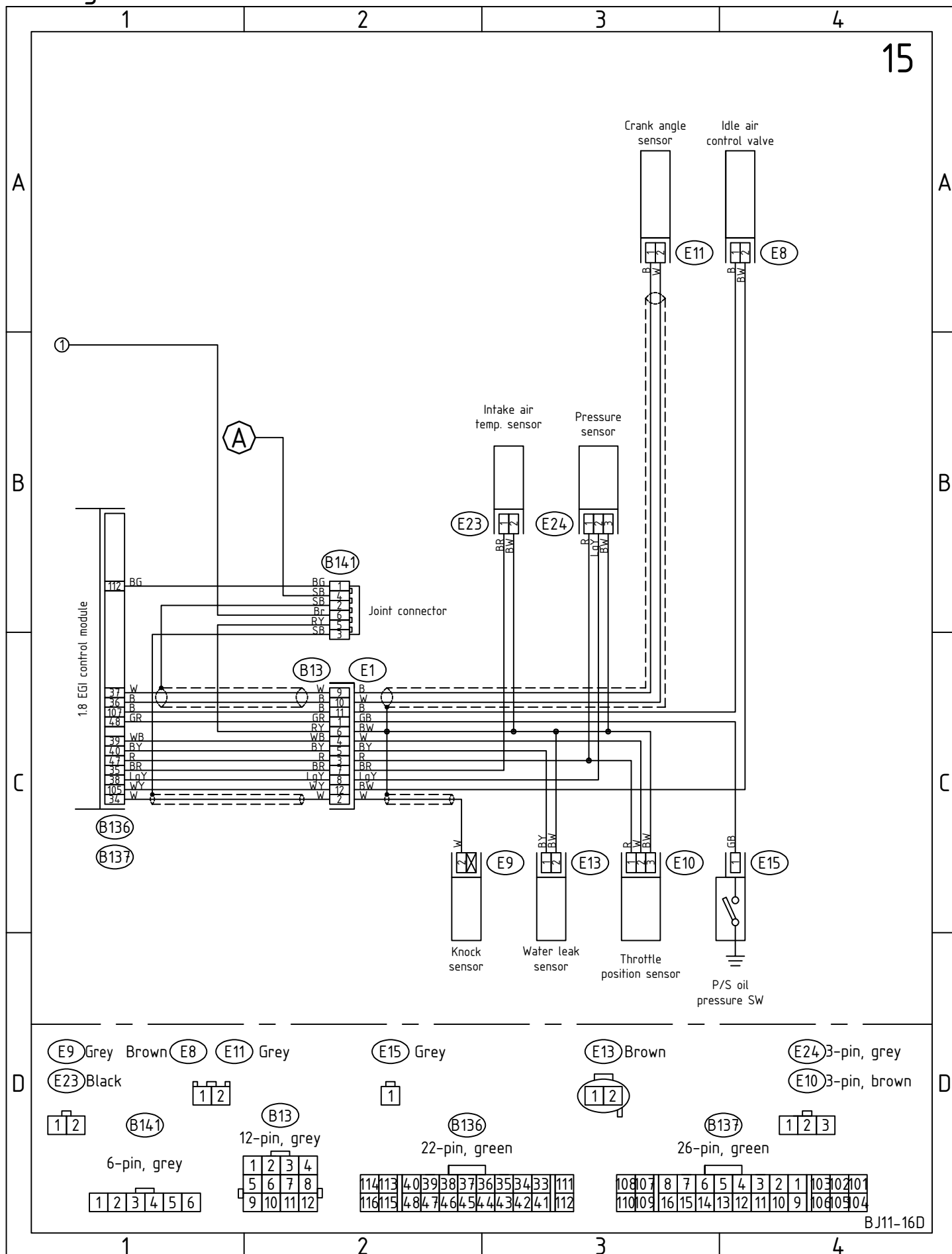
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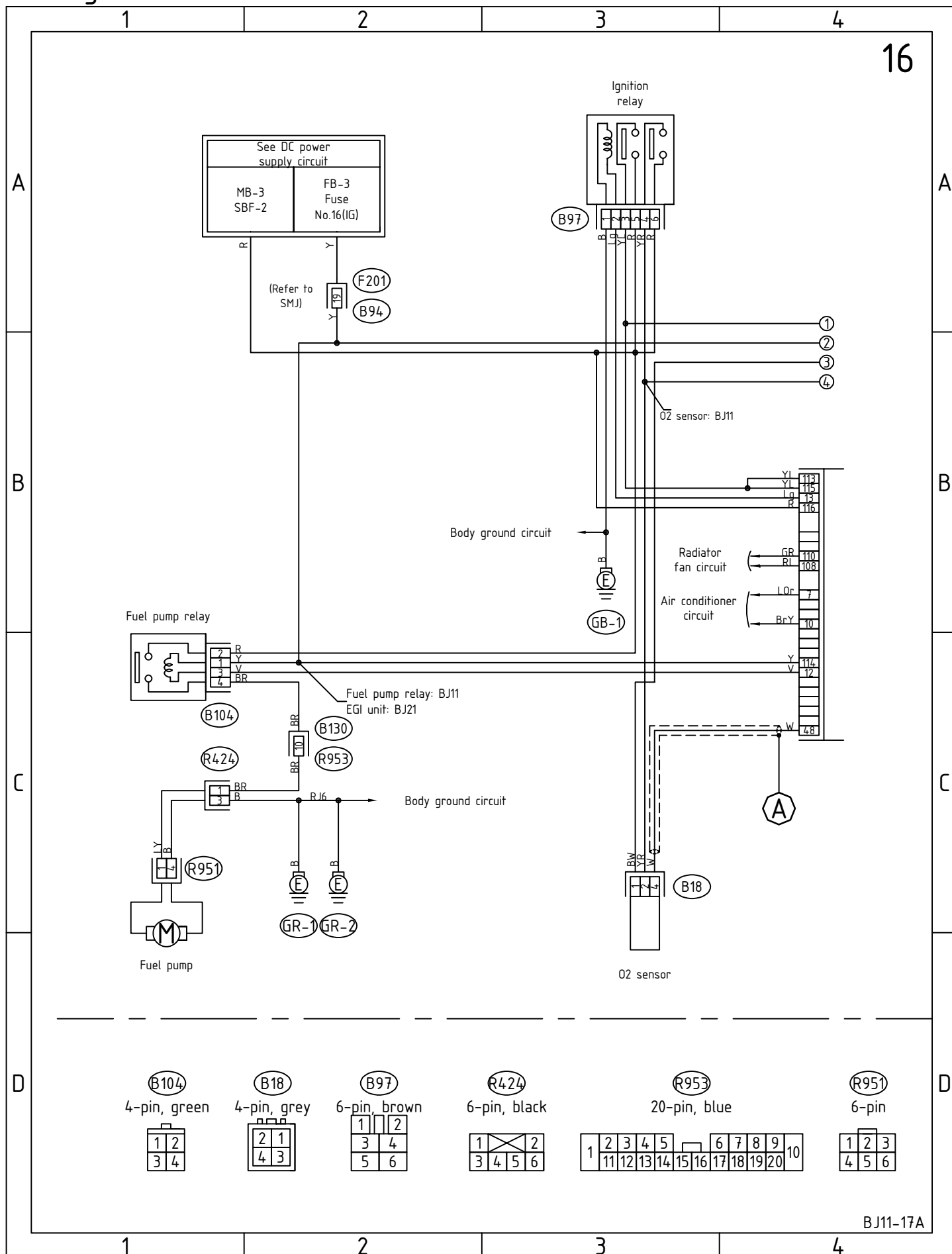
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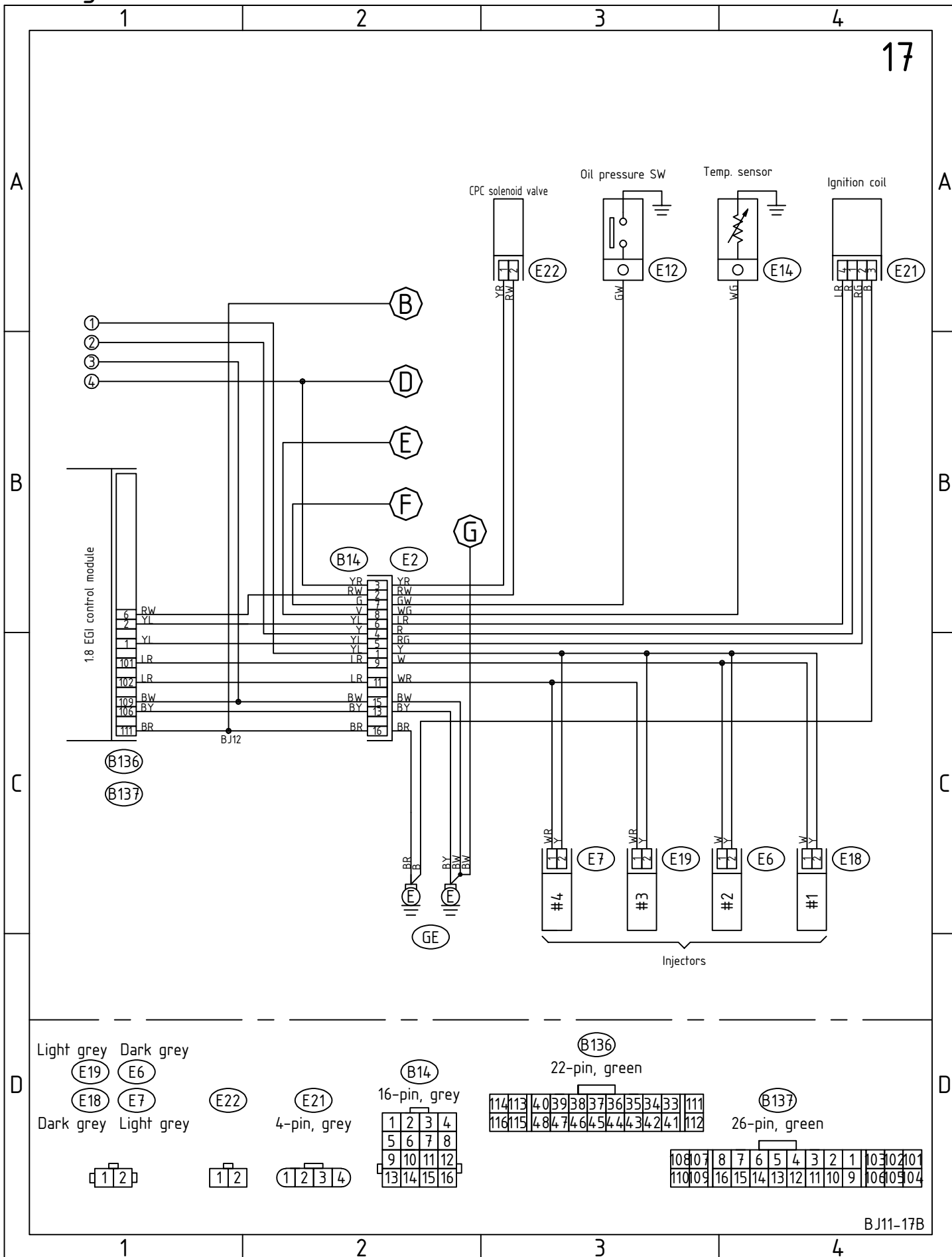
(2) Engine control circuit (1.8L MT)



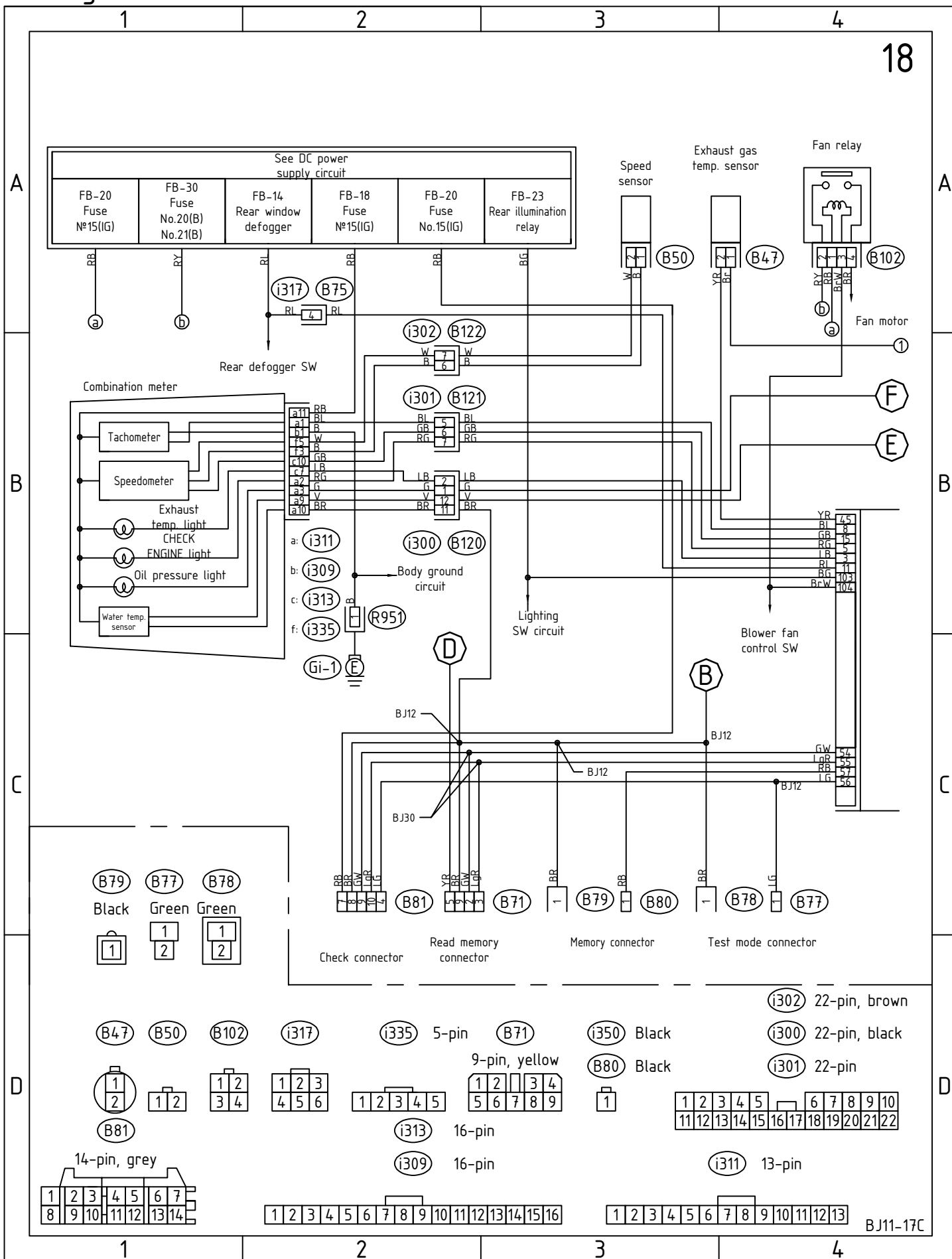
(3) Engine control circuit (1.8L AT)



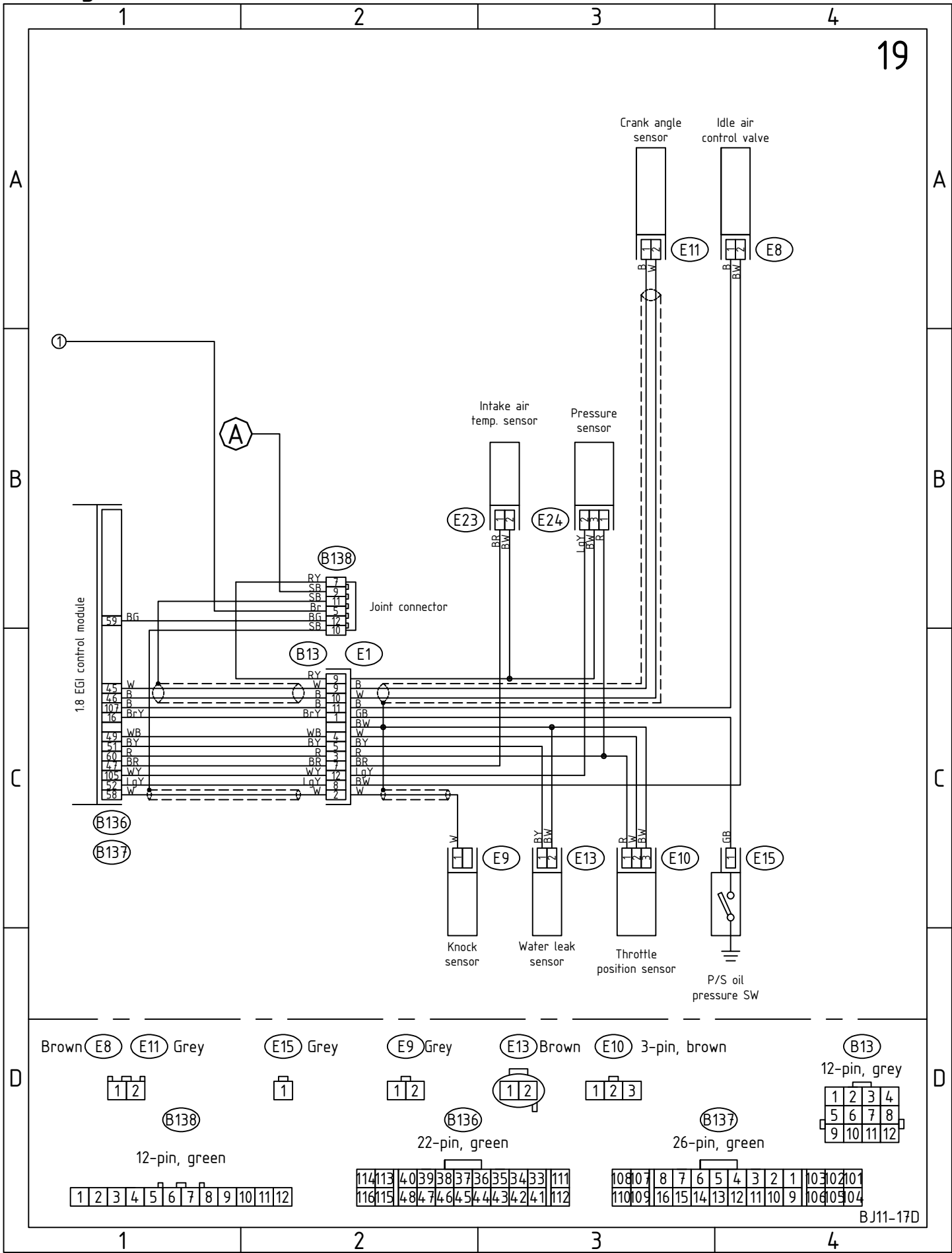
(3) Engine control circuit (1.8L AT)



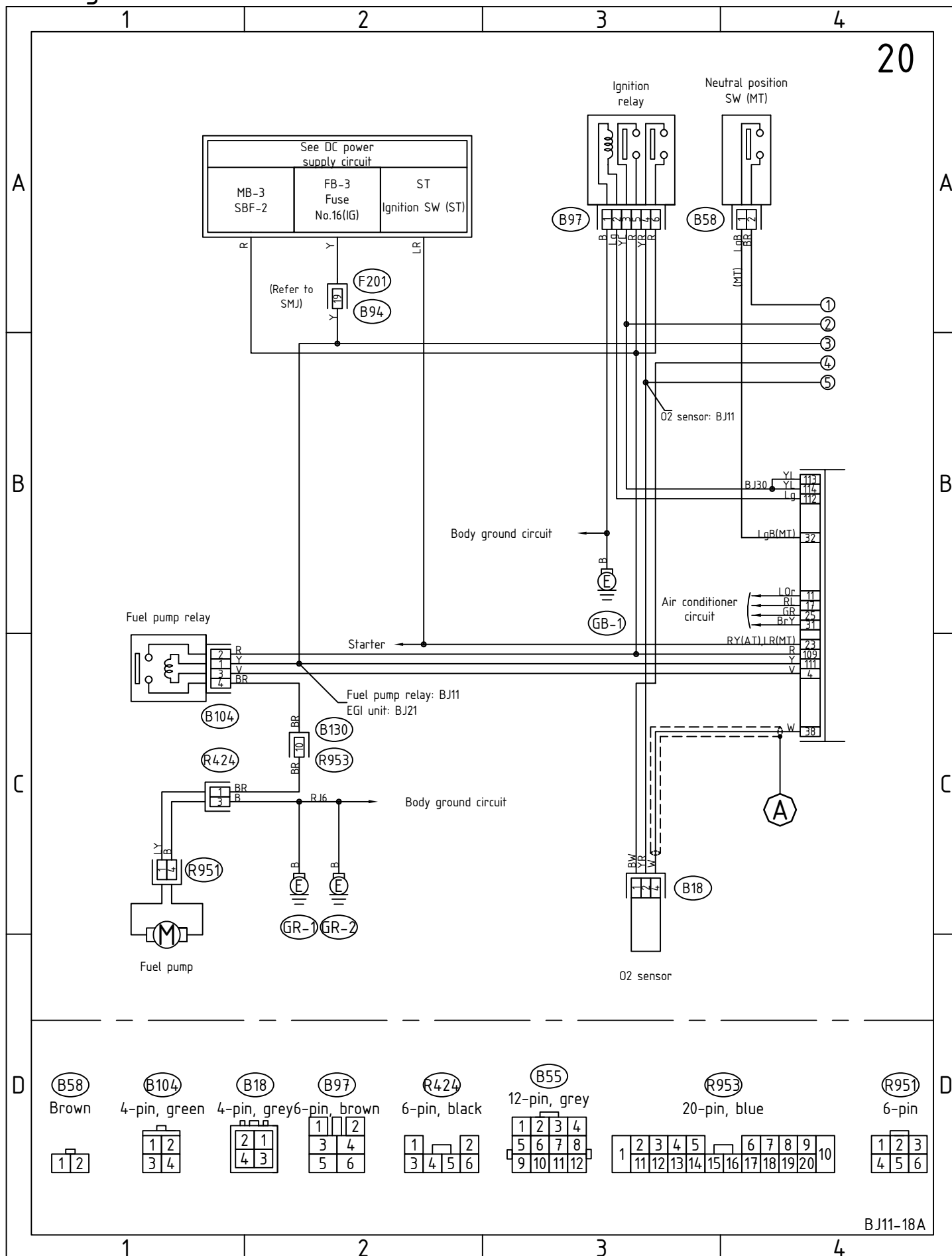
(3) Engine control circuit (1.8L AT)



(3) Engine control circuit (1.8L AT)



(4) Engine control circuit (2.0L MT)



Wiring Diagram for Engine Control System

Legend:

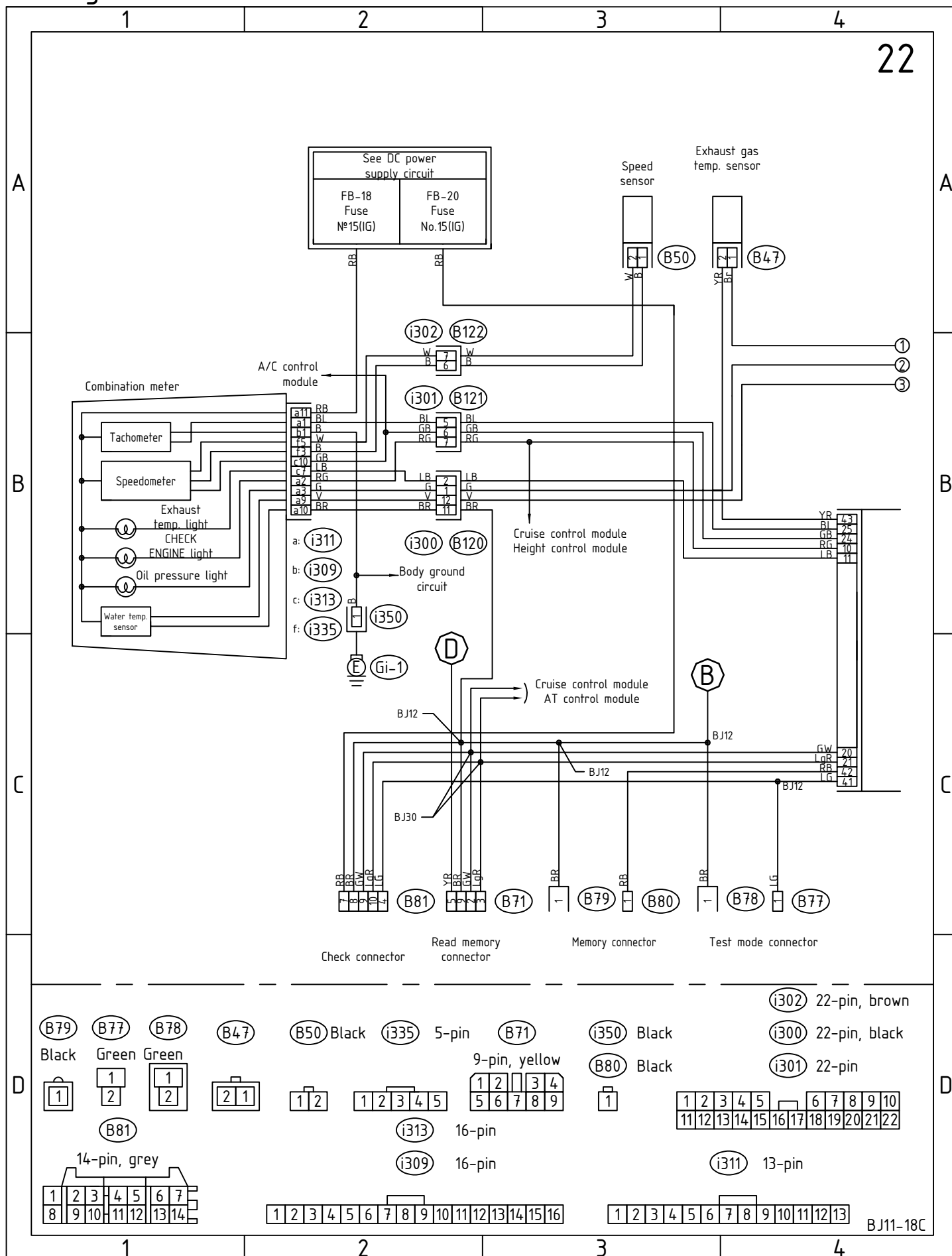
- 3-pin, grey:** E8, E21
- 6-pin, grey:** B49
- 16-pin, green:** B42
- 26-pin, black:** B29
- 16-pin:** B14
- 22-pin, green:** B40
- 26-pin, green:** B43
- Grey:** E27, E19, E6, E18, E7

ECU Pinout:

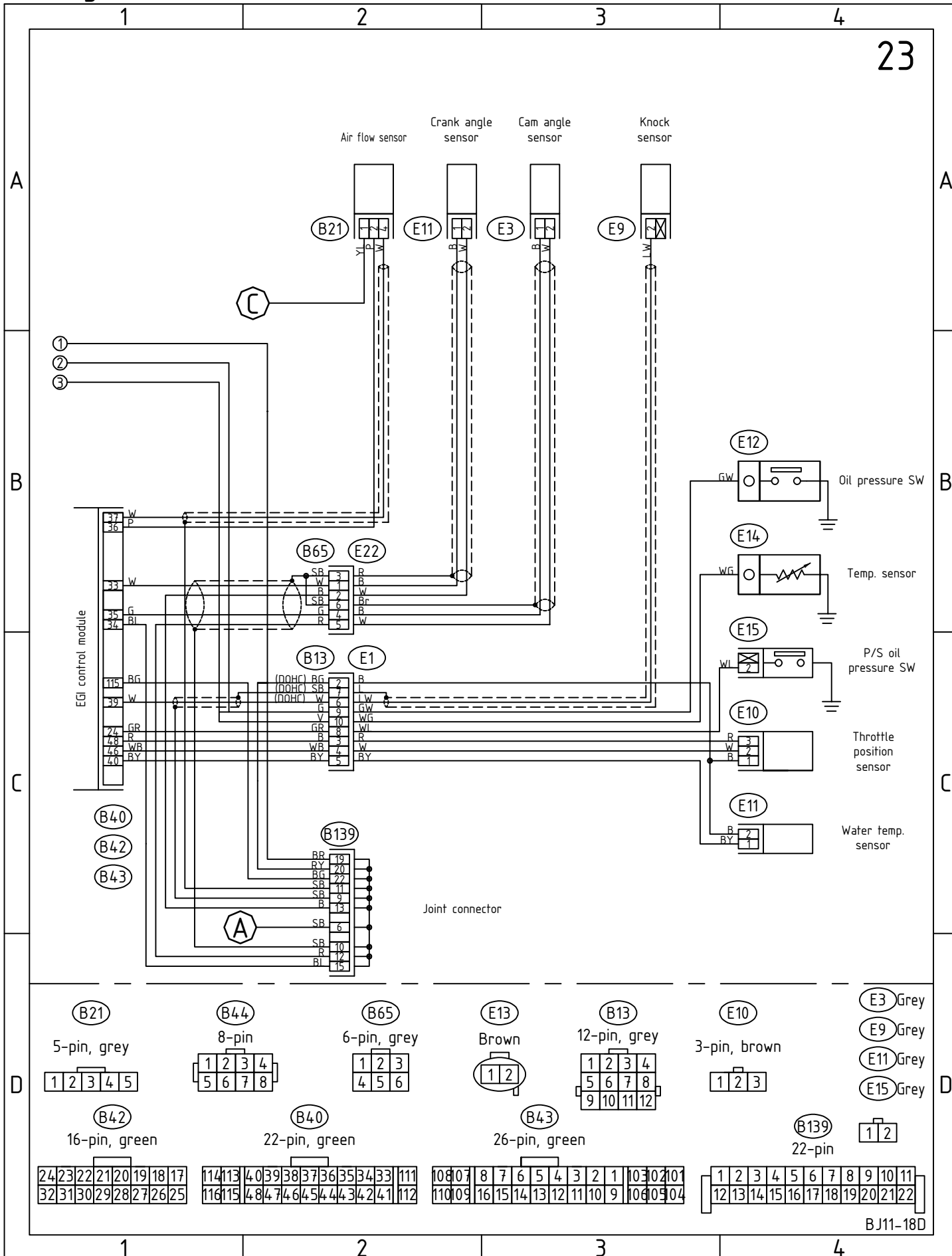
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	
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BJ11-18B

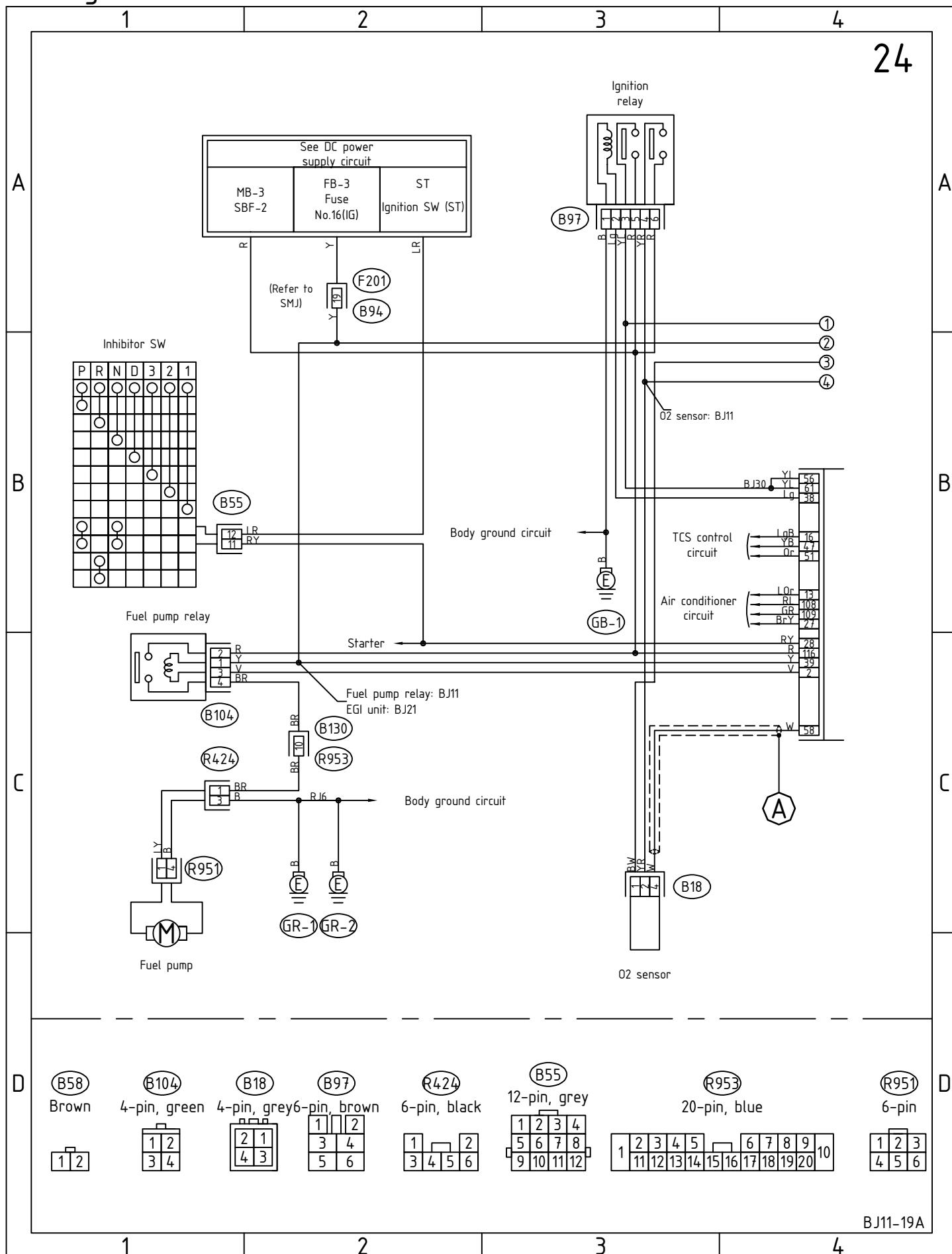
(4) Engine control circuit (2.0L MT)



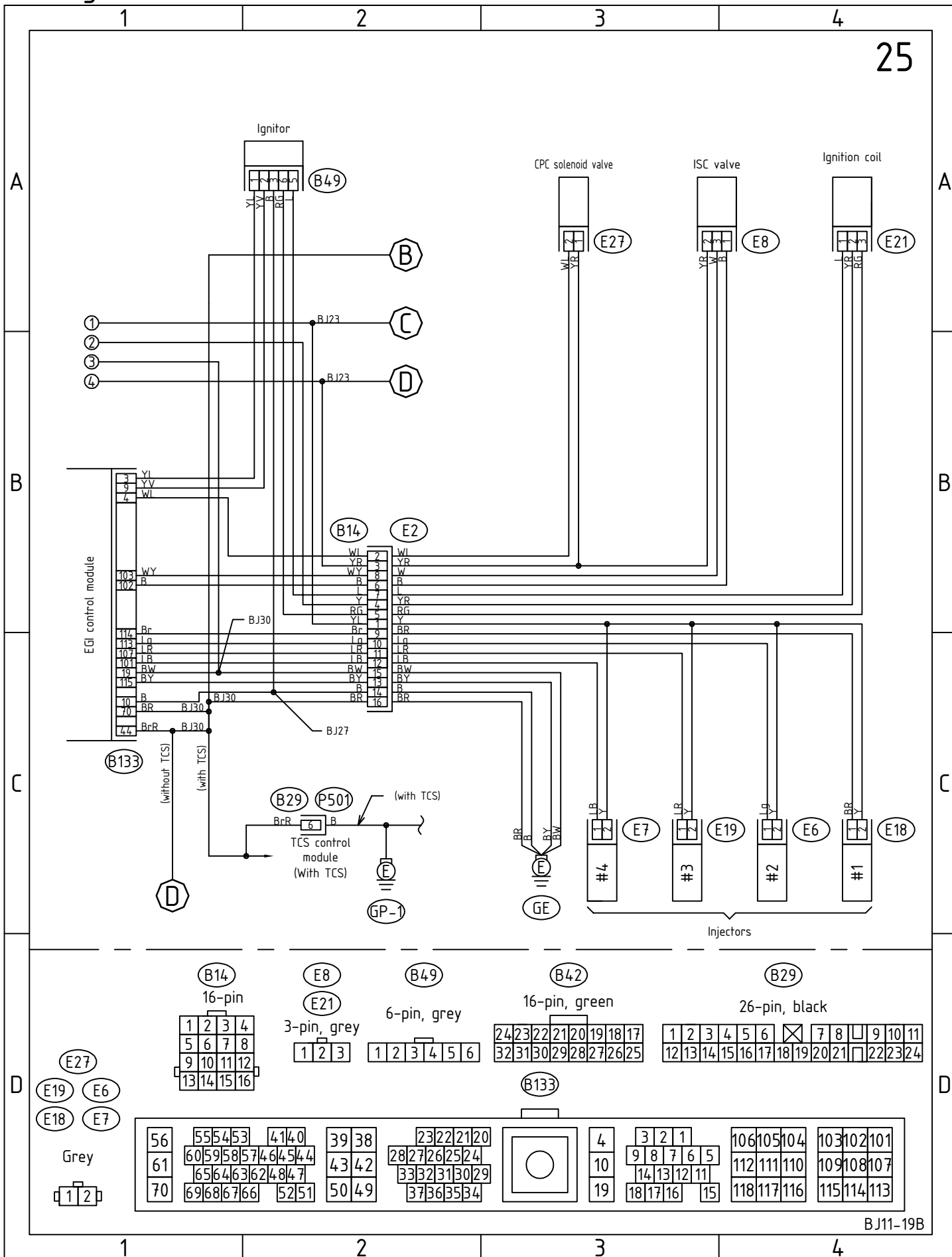
(4) Engine control circuit (2.0L MT)



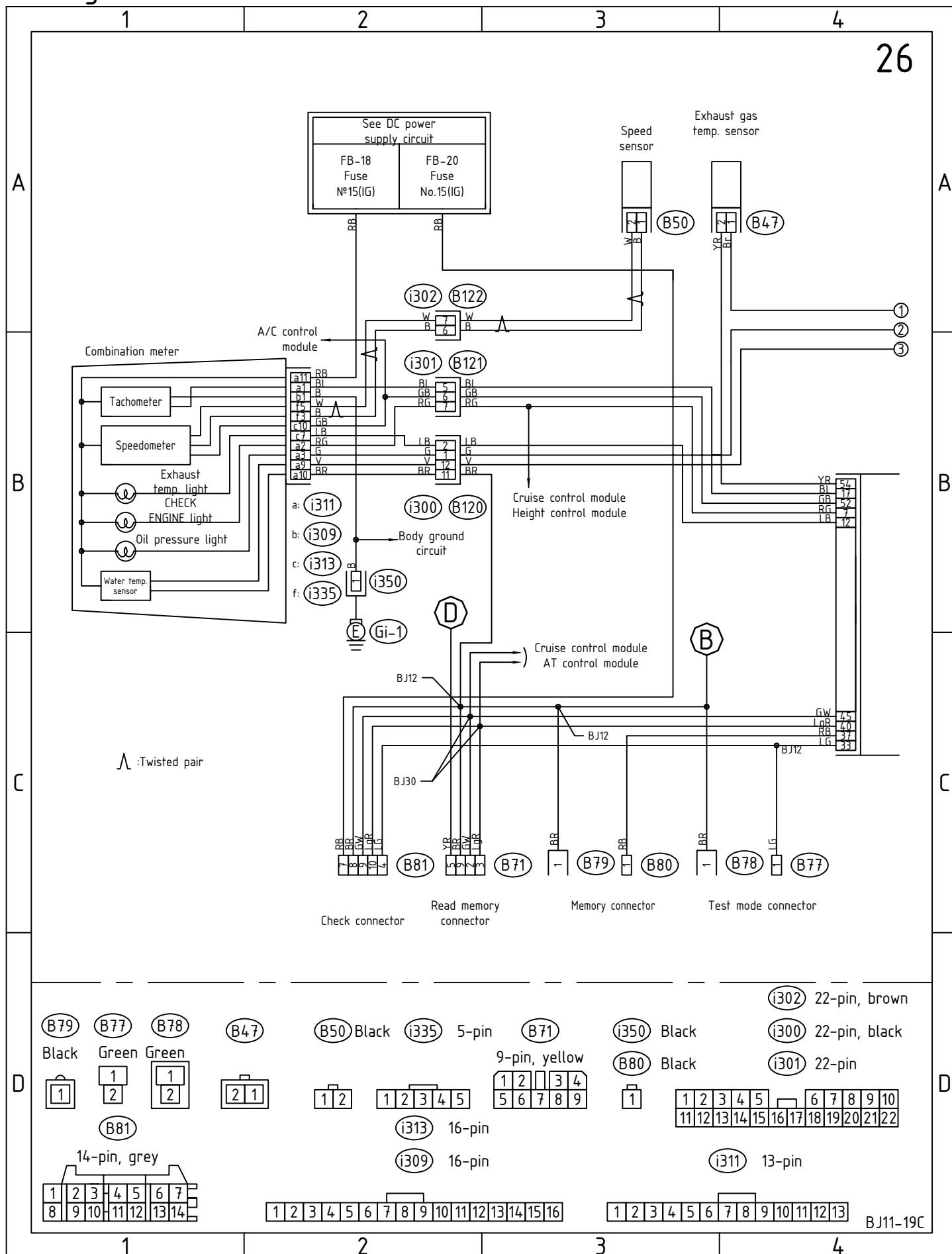
(5) Engine control circuit (2.0L AT)



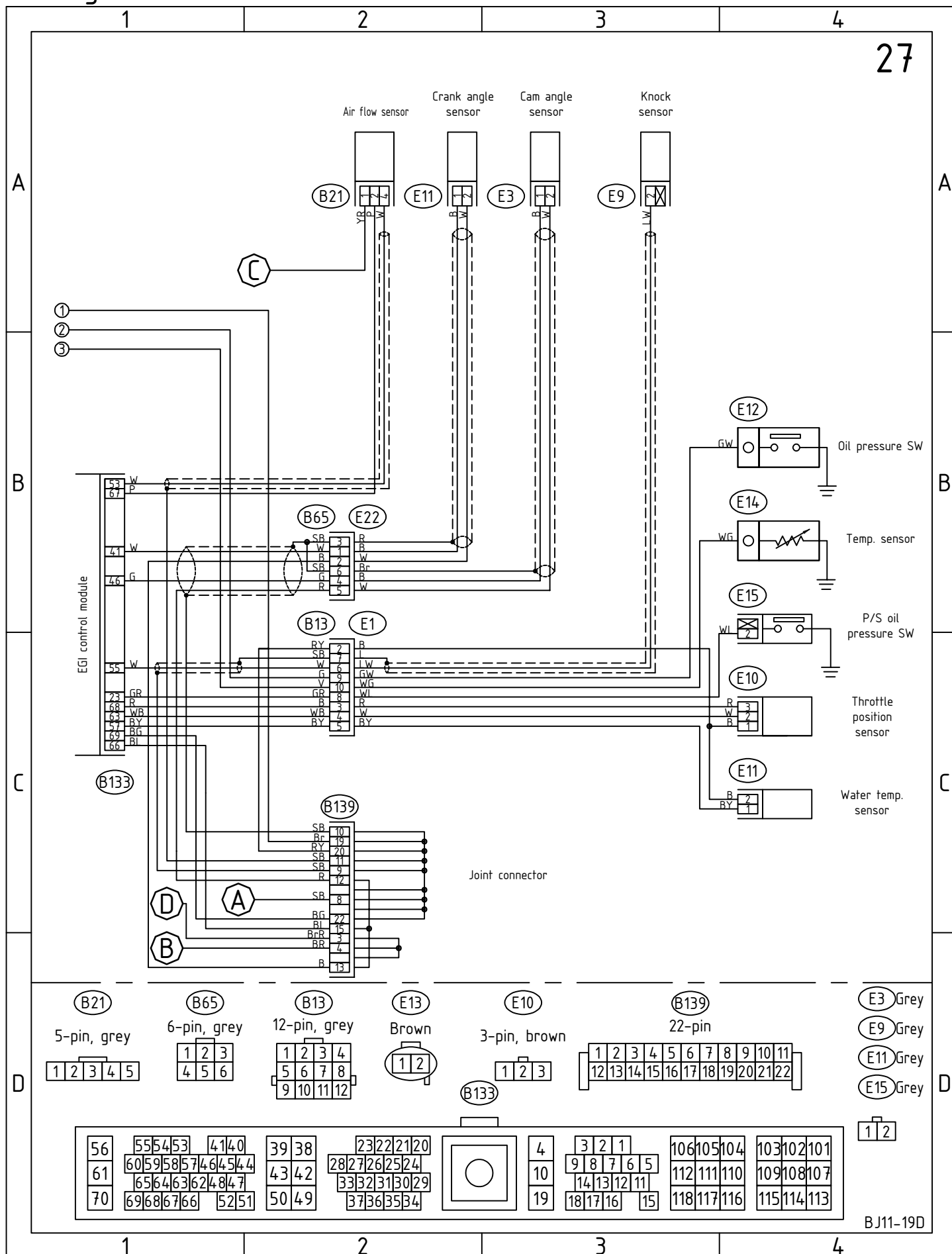
(5) Engine control circuit (2.0L AT)



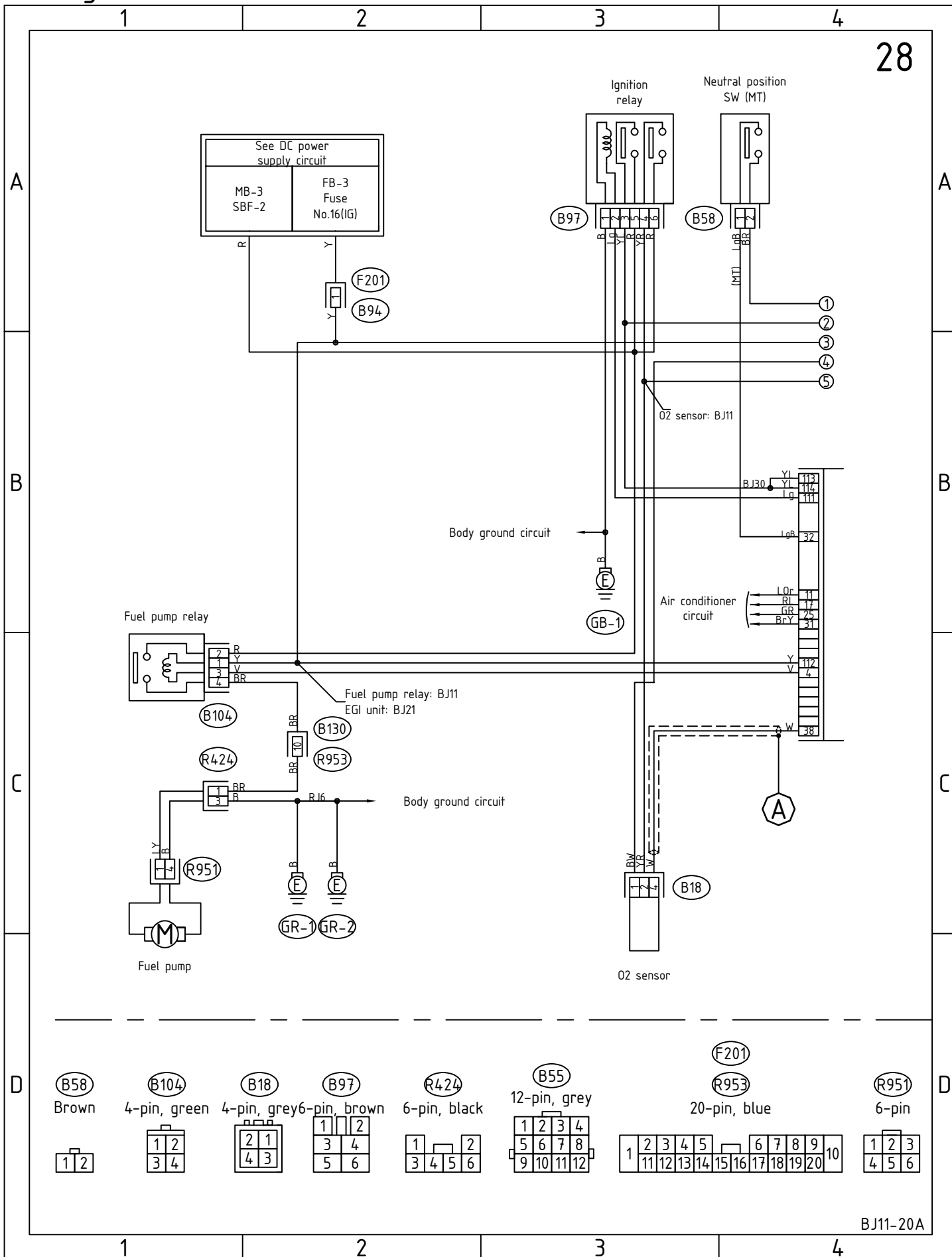
(5) Engine control circuit (2.0L AT)



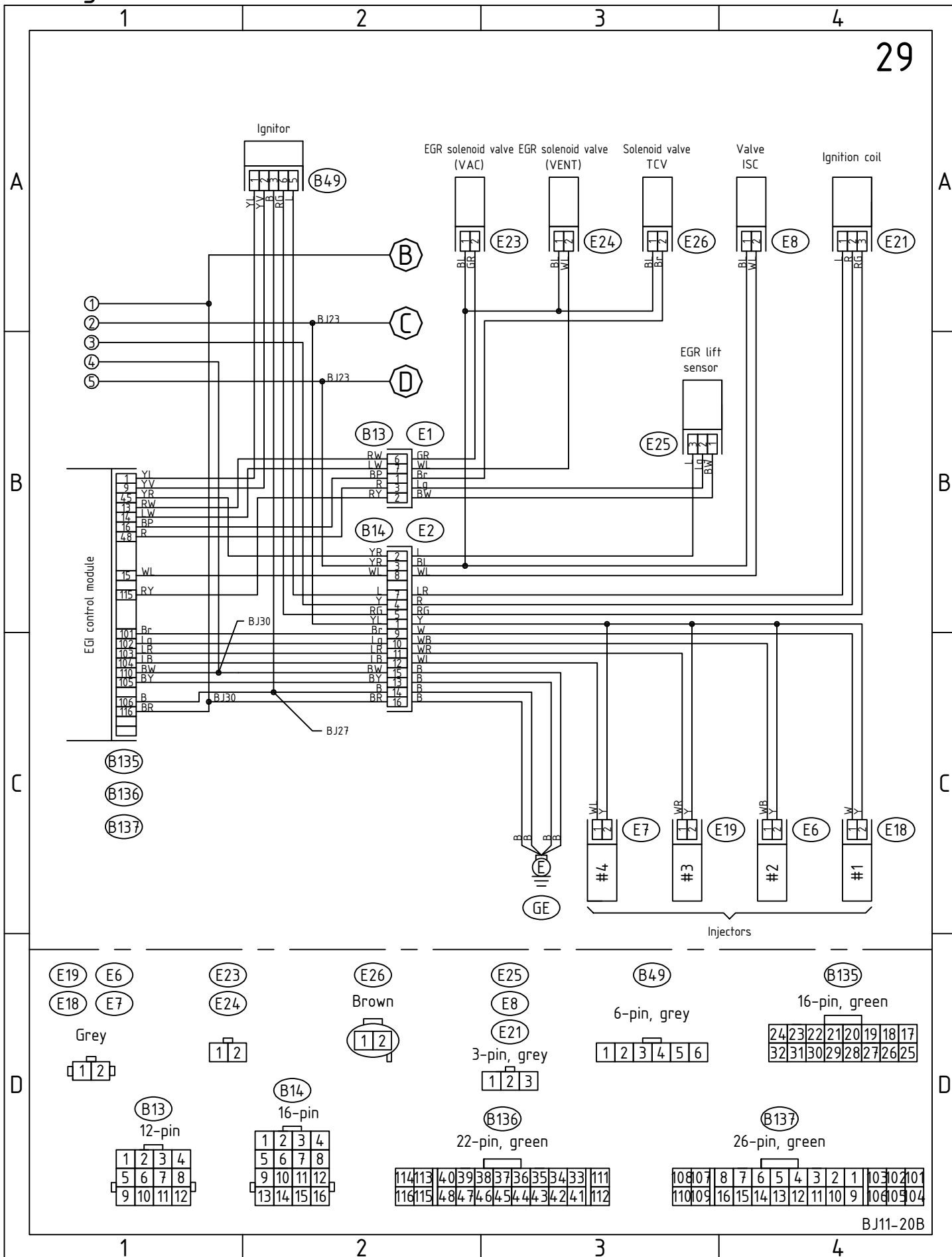
(5) Engine control circuit (2.0L AT)



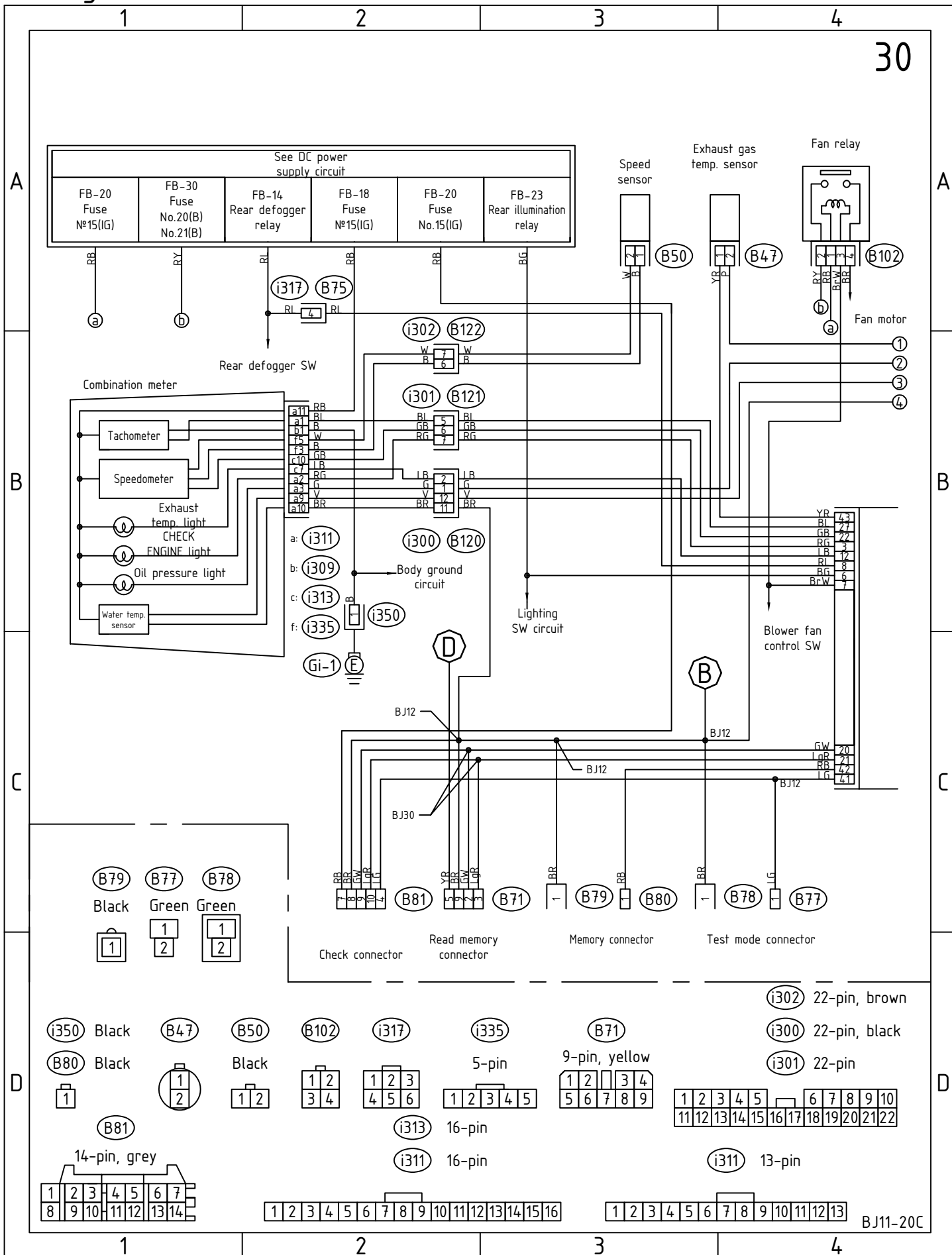
(6) Engine control circuit (2.0L Lean burn)



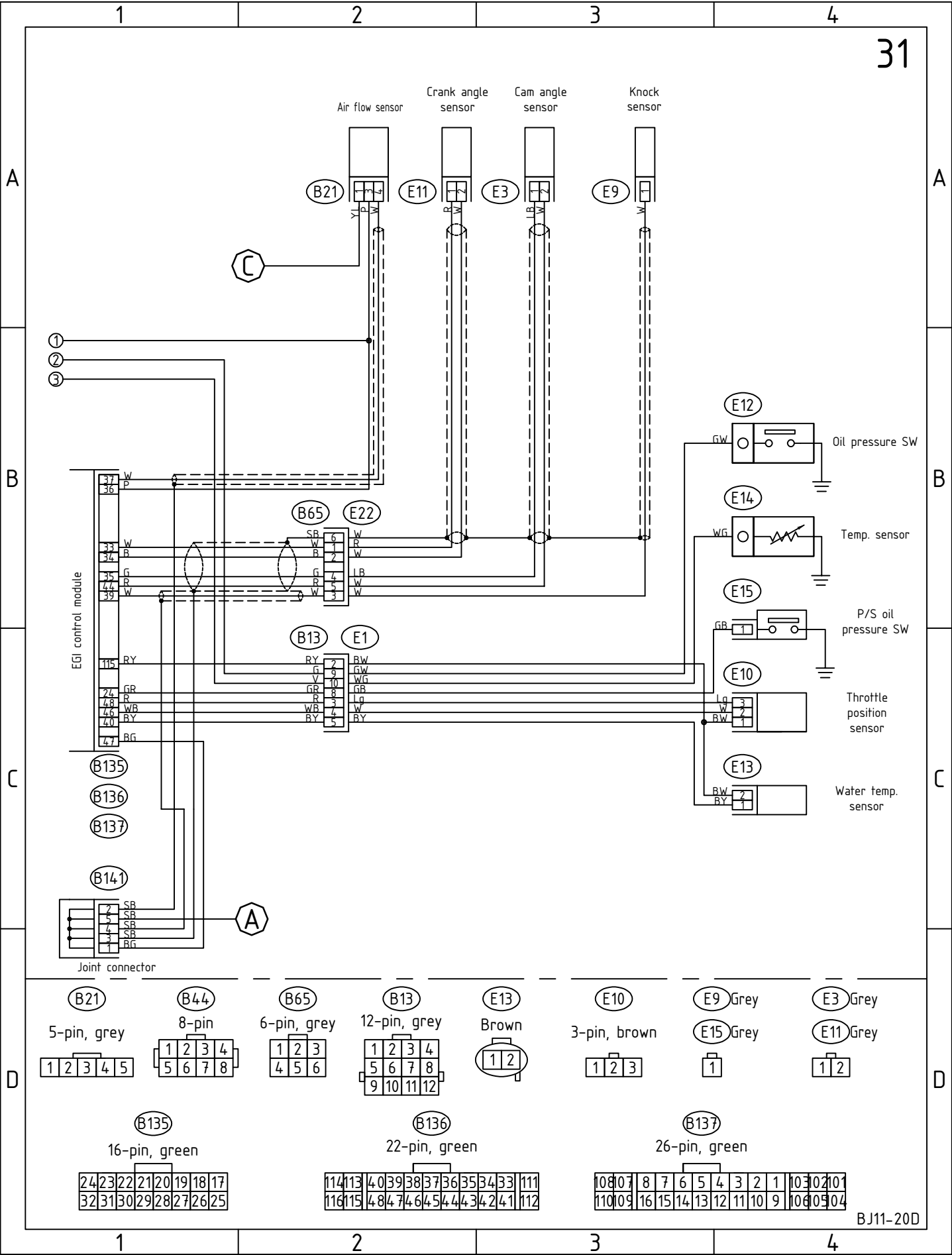
(6) Engine control circuit (2.0L Lean burn)



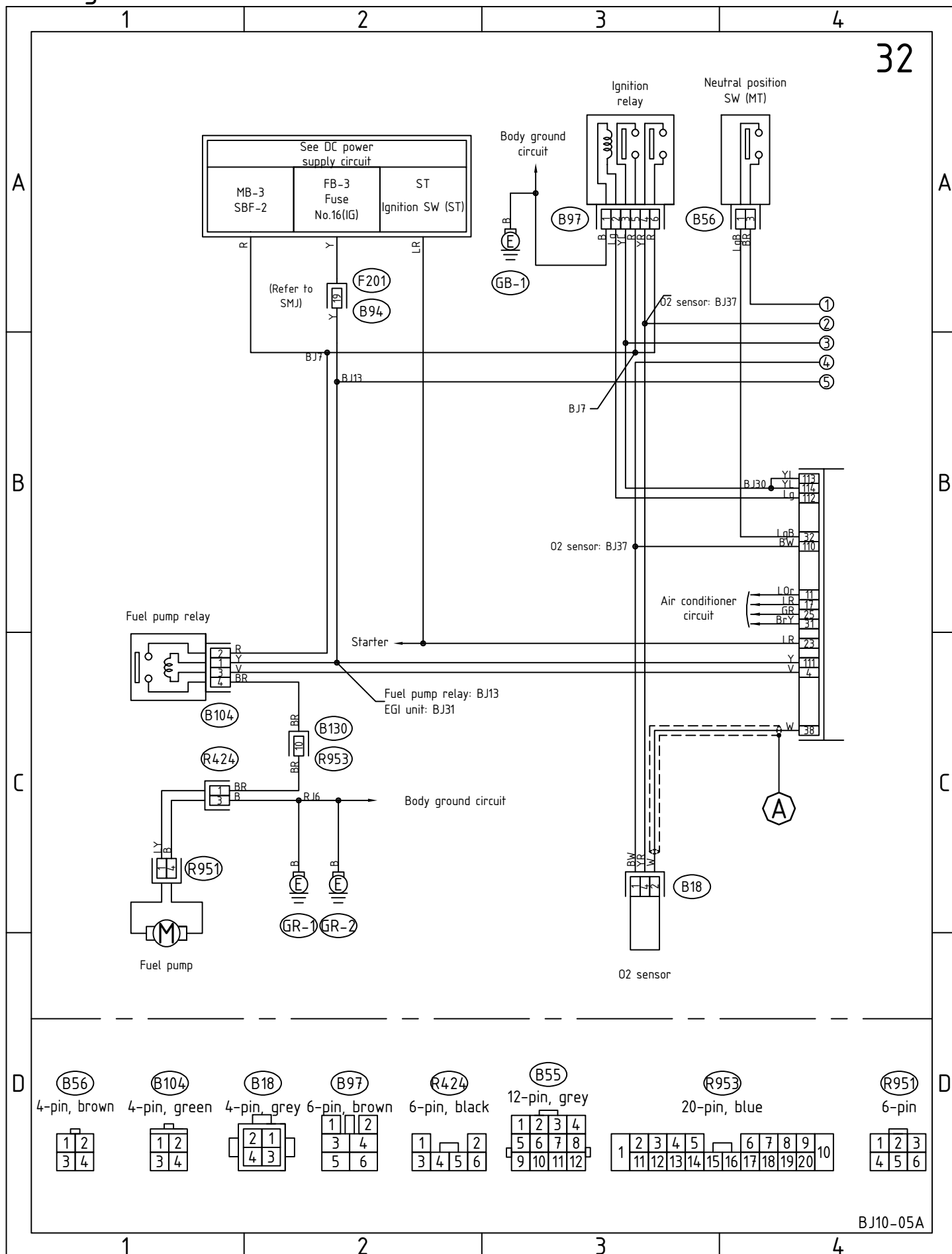
(6) Engine control circuit (2.0L Lean burn)



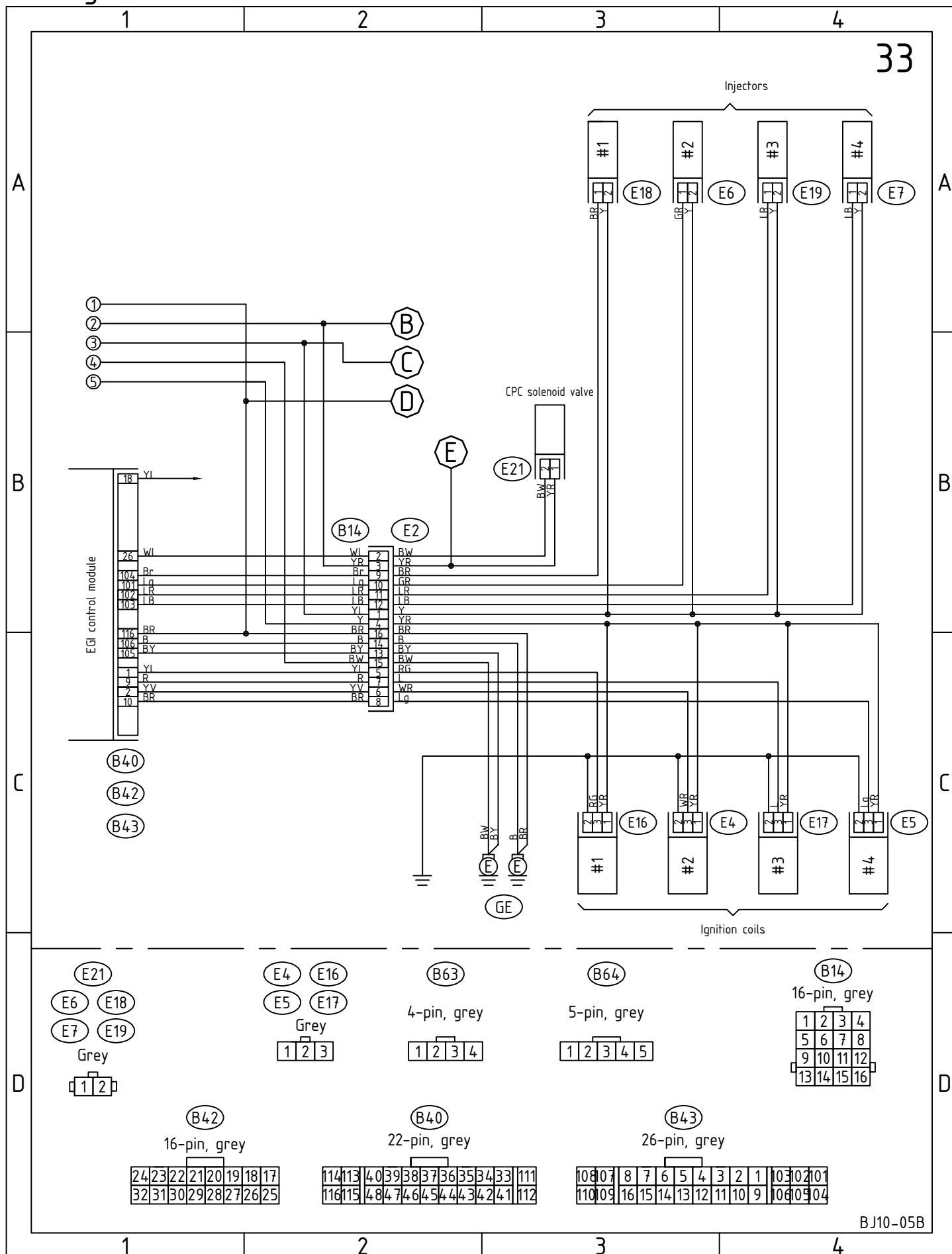
(6) Engine control circuit (2.0L Lean burn)



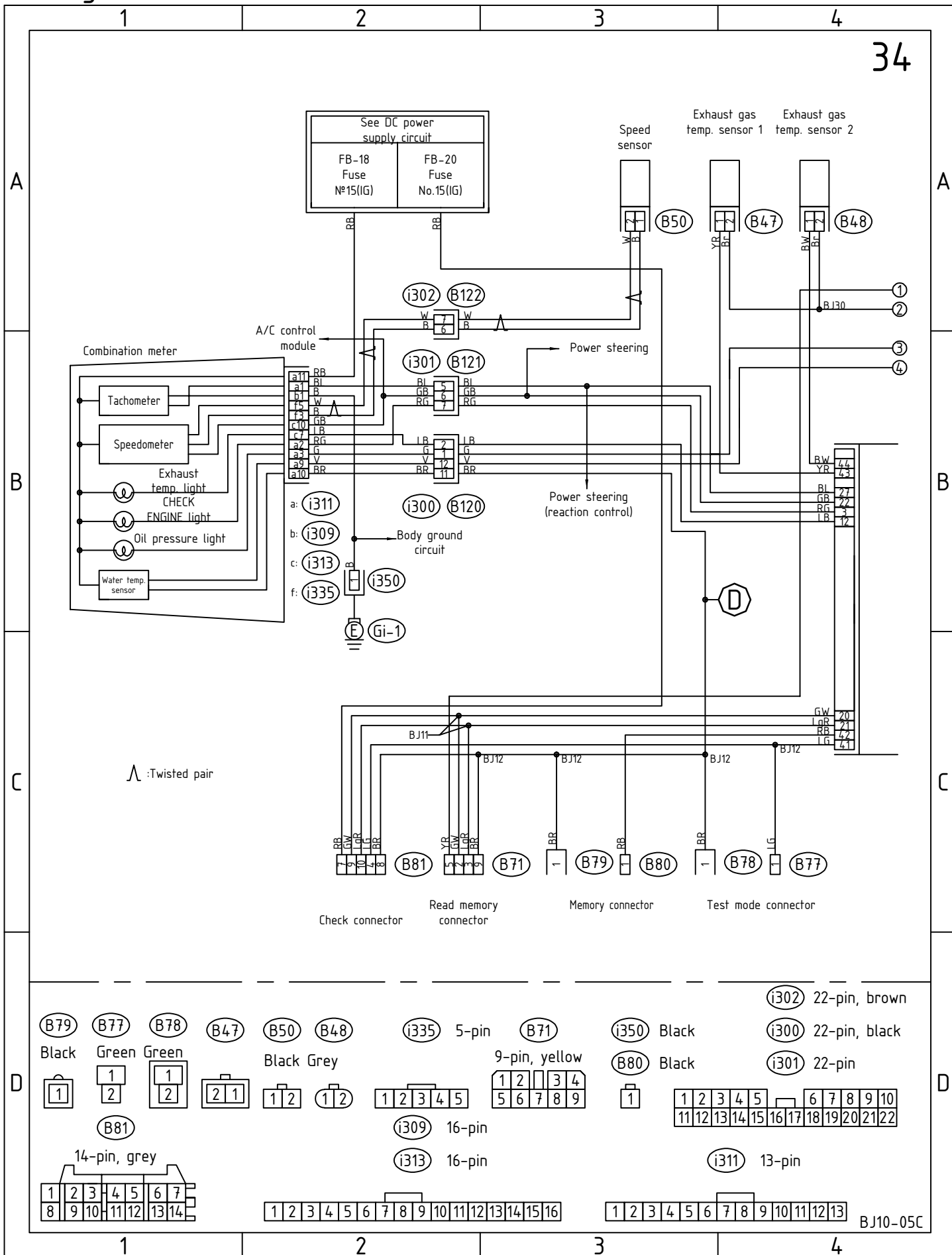
(7) Engine control circuit (2.0L turbo MT)



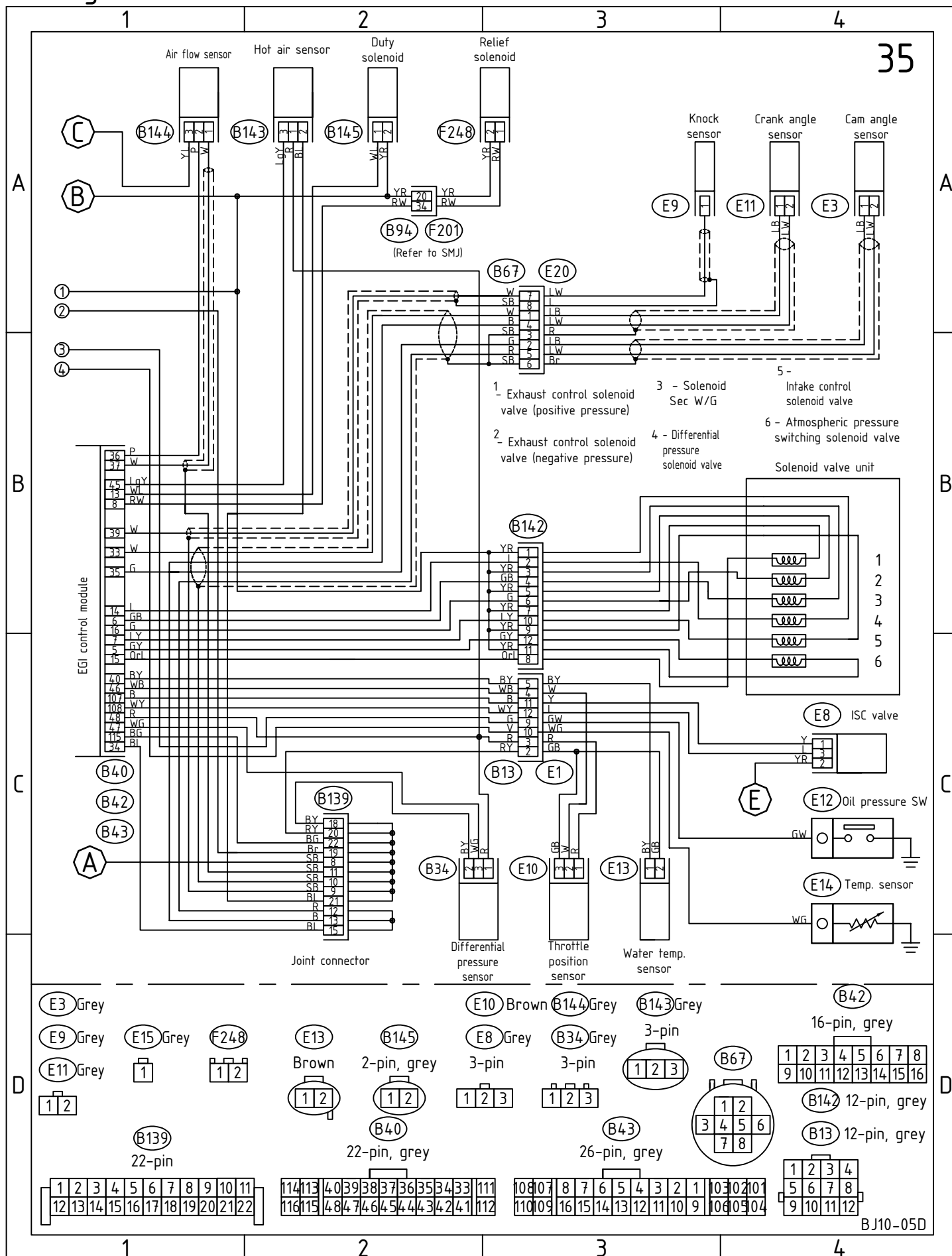
(7) Engine control circuit (2.0L turbo MT)



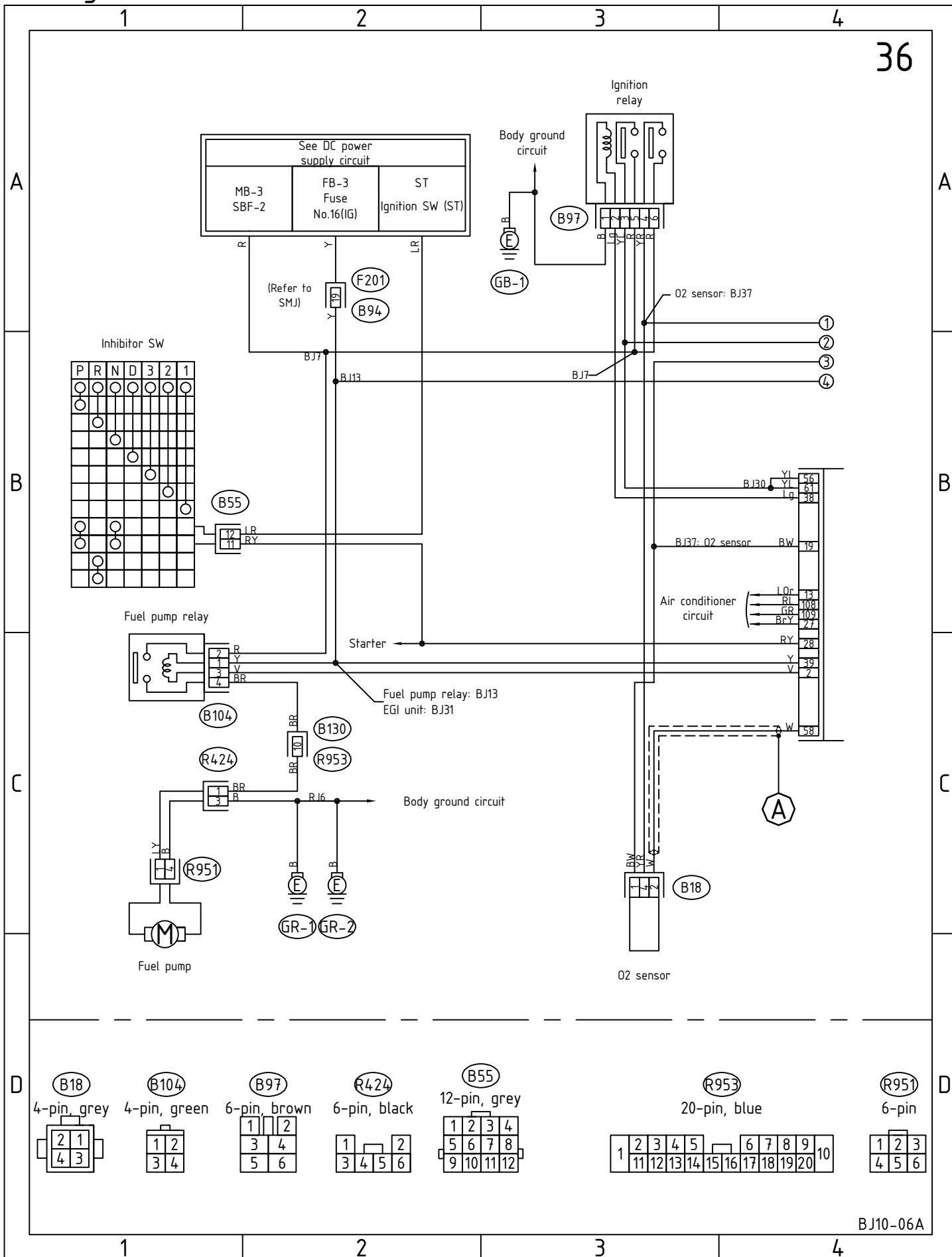
(7) Engine control circuit (2.0L turbo MT)



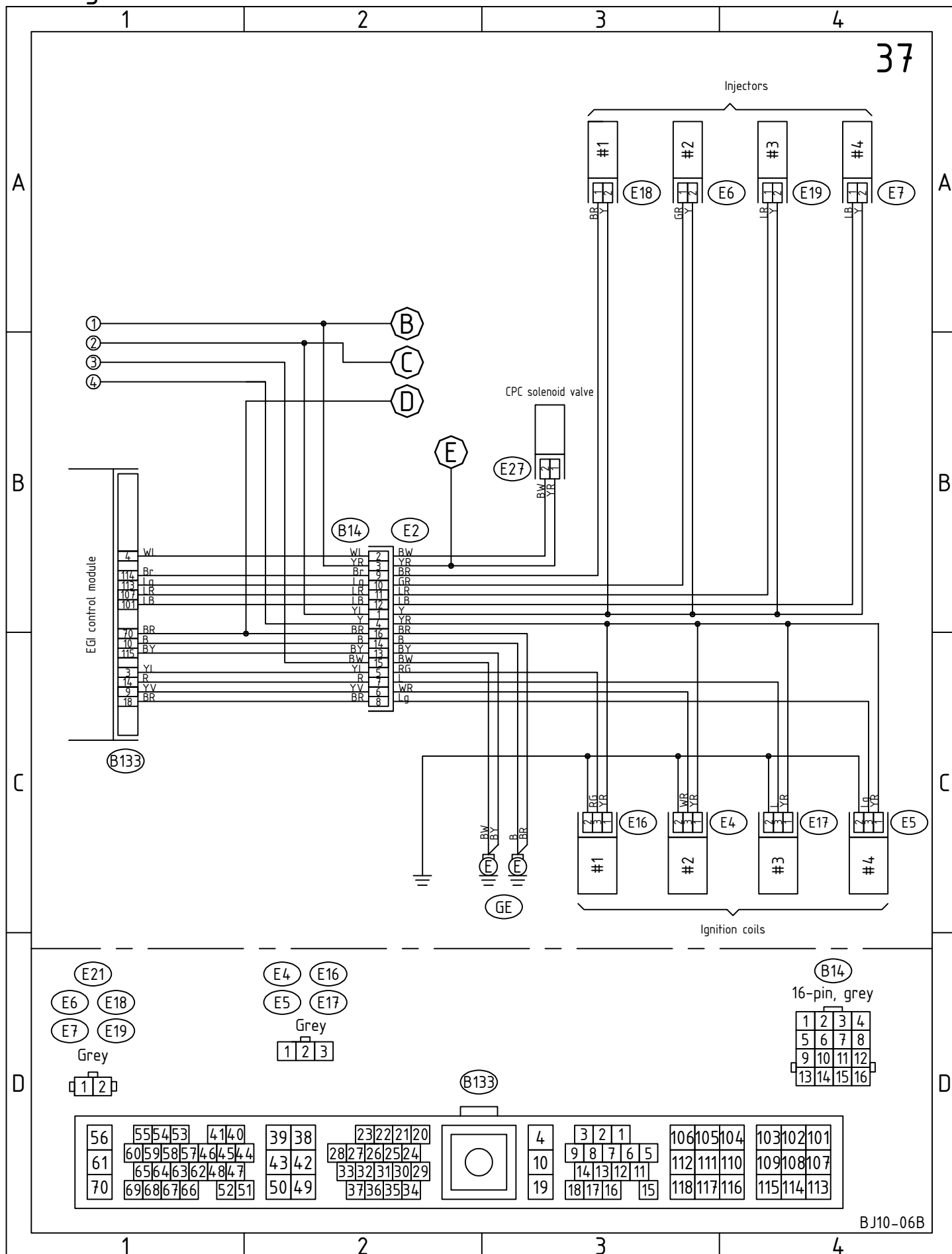
(7) Engine control circuit (2.0L turbo MT)



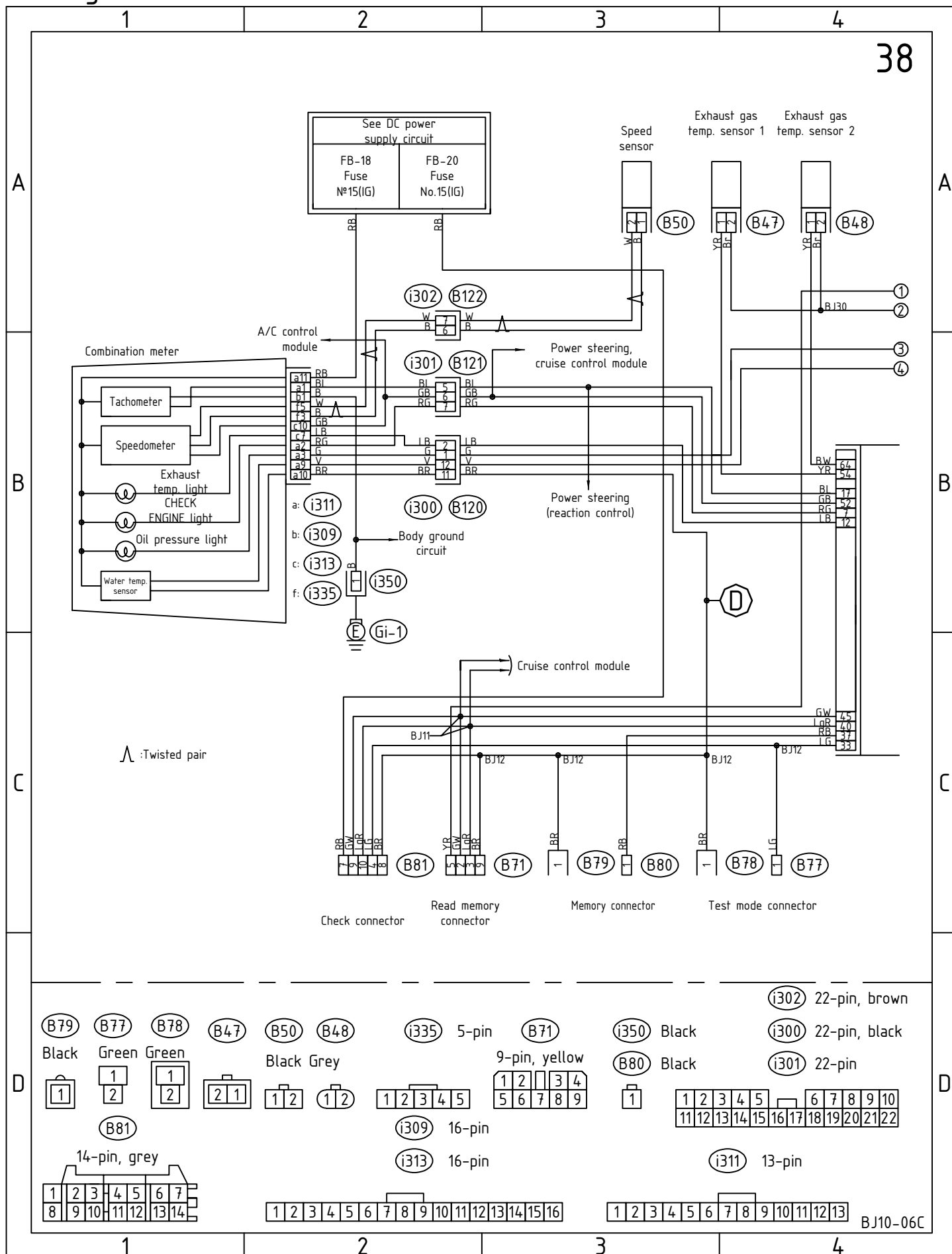
(8) Engine control circuit (2.0L turbo AT)



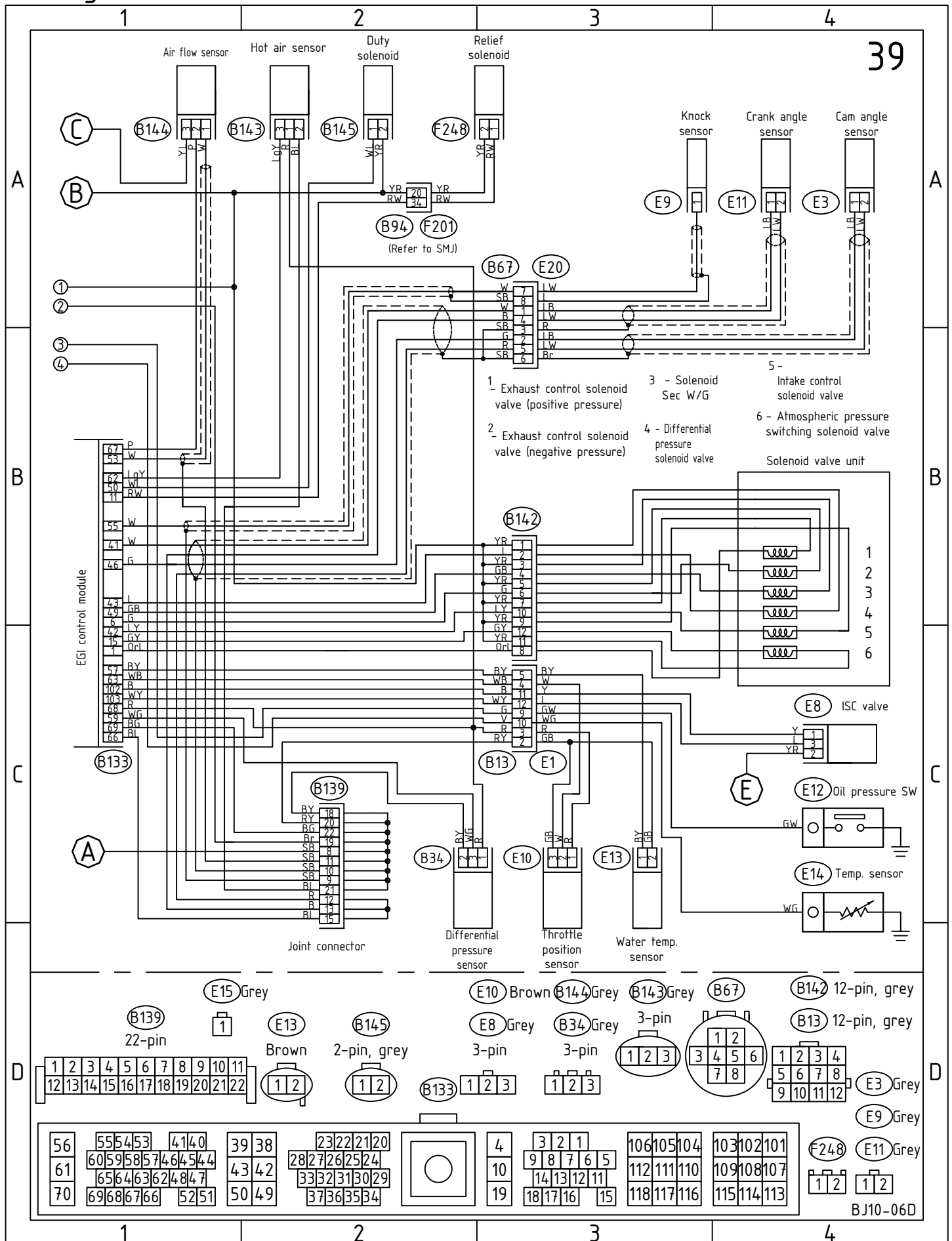
(8) Engine control circuit (2.0L turbo AT)



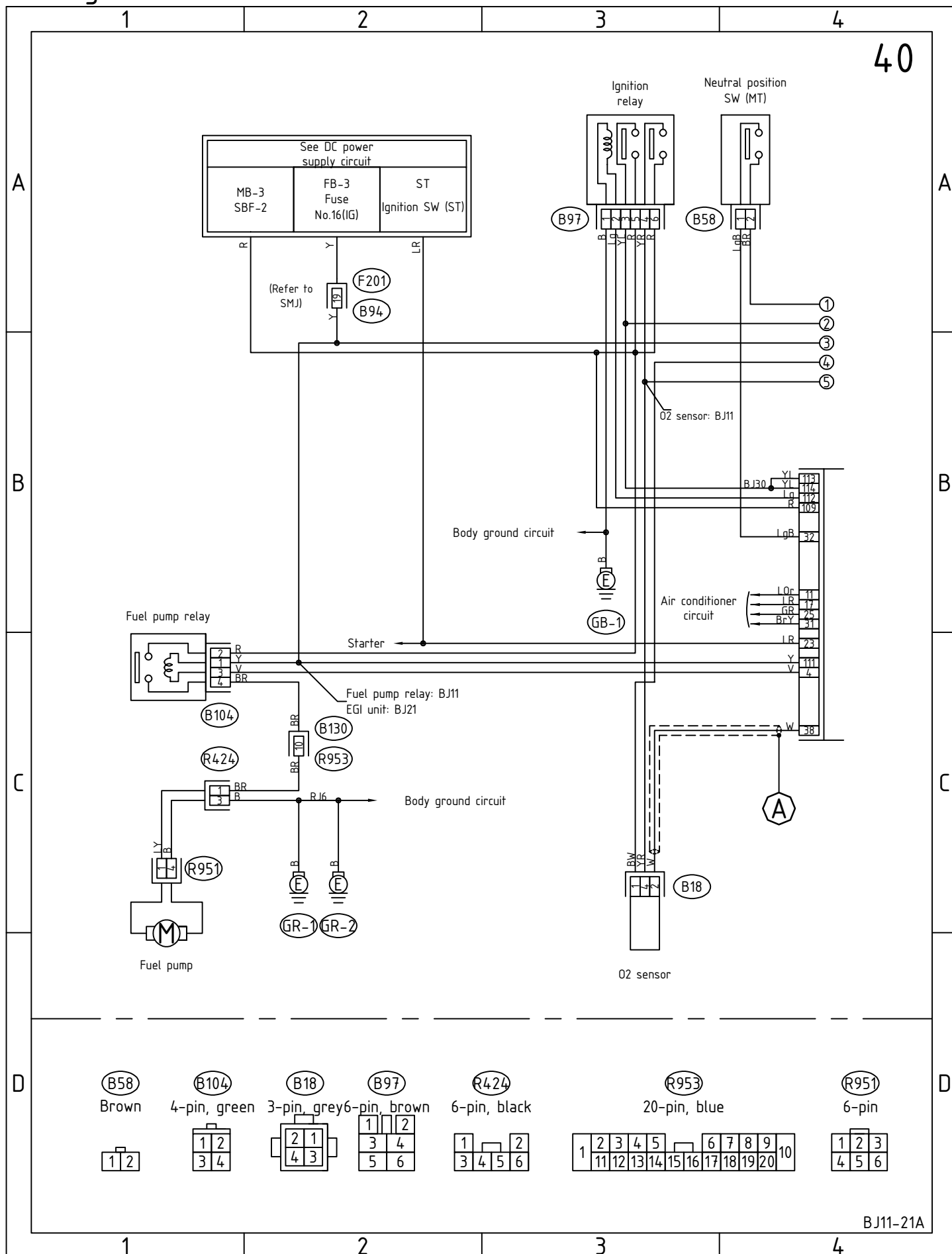
(8) Engine control circuit (2.0L turbo AT)



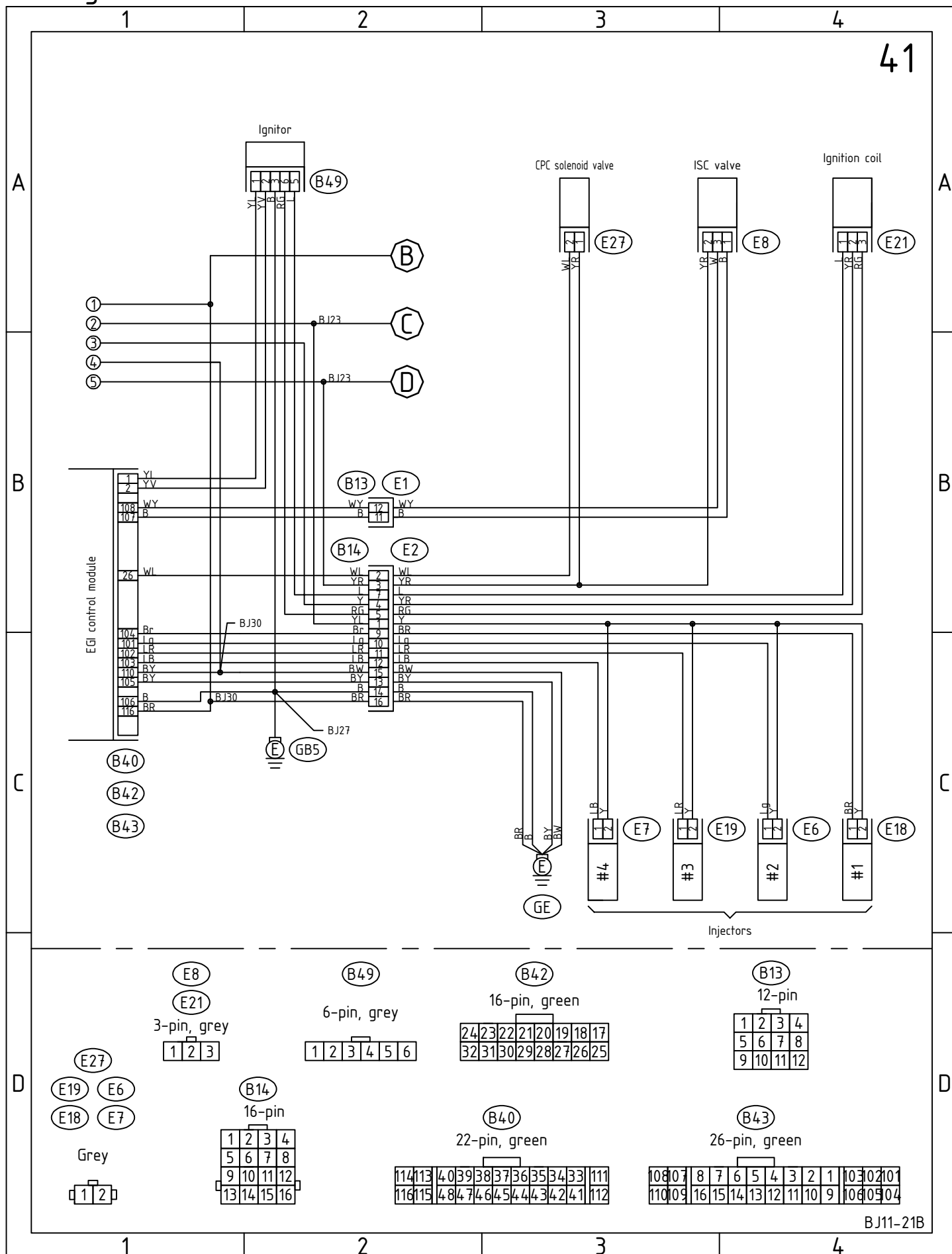
(8) Engine control circuit (2.0L turbo AT)



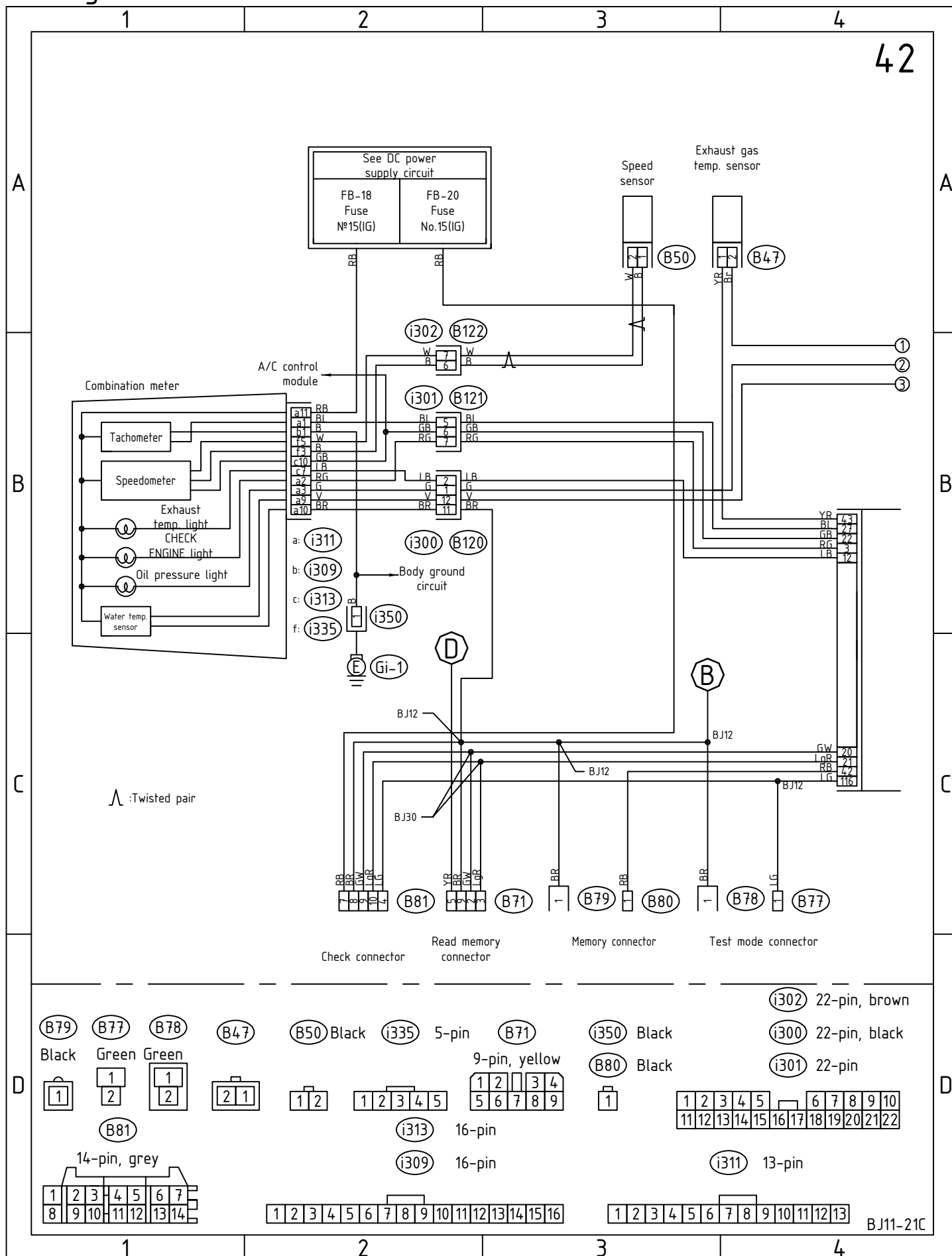
(9) Engine control circuit (2.5L MT)



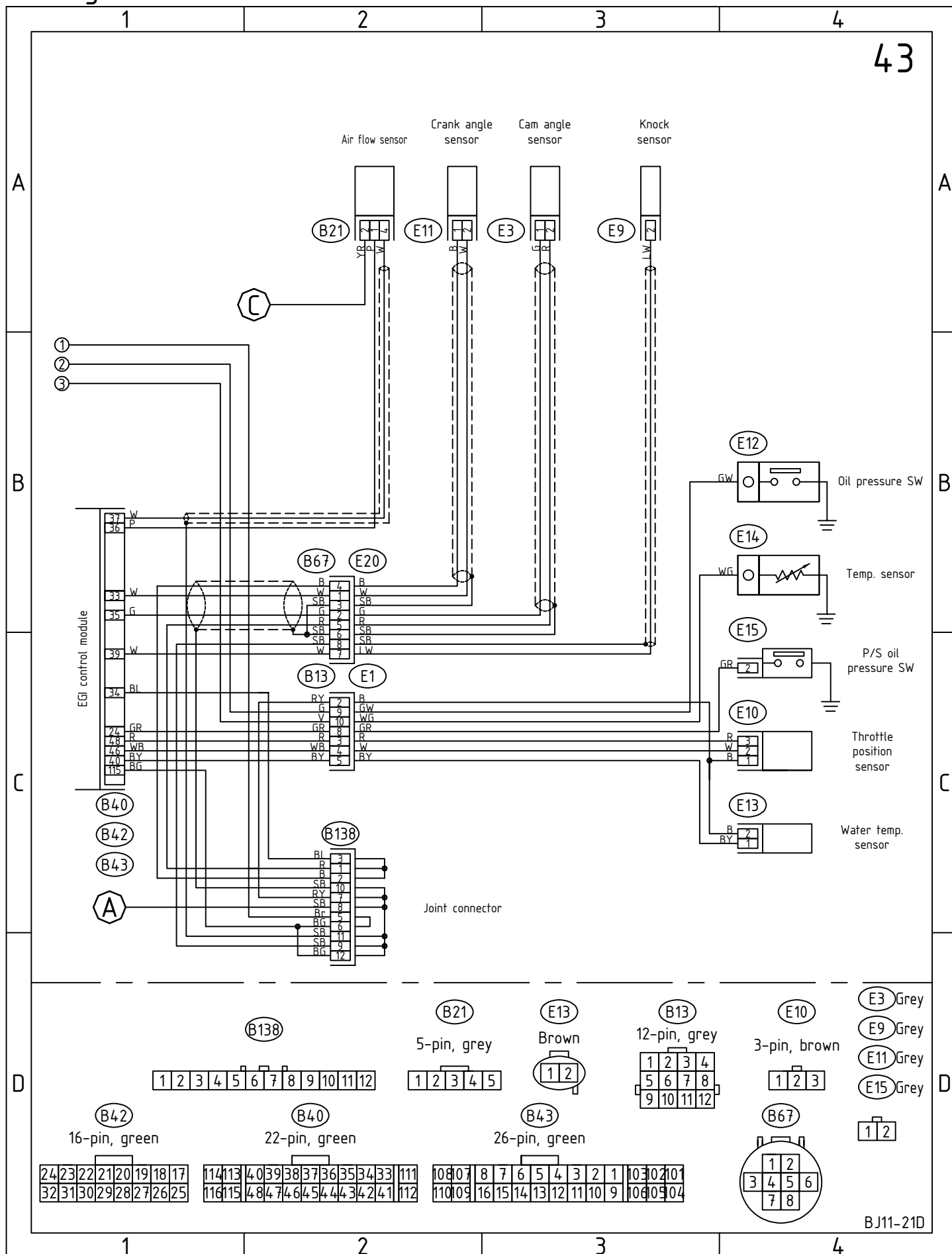
(9) Engine control circuit (2.5L MT)



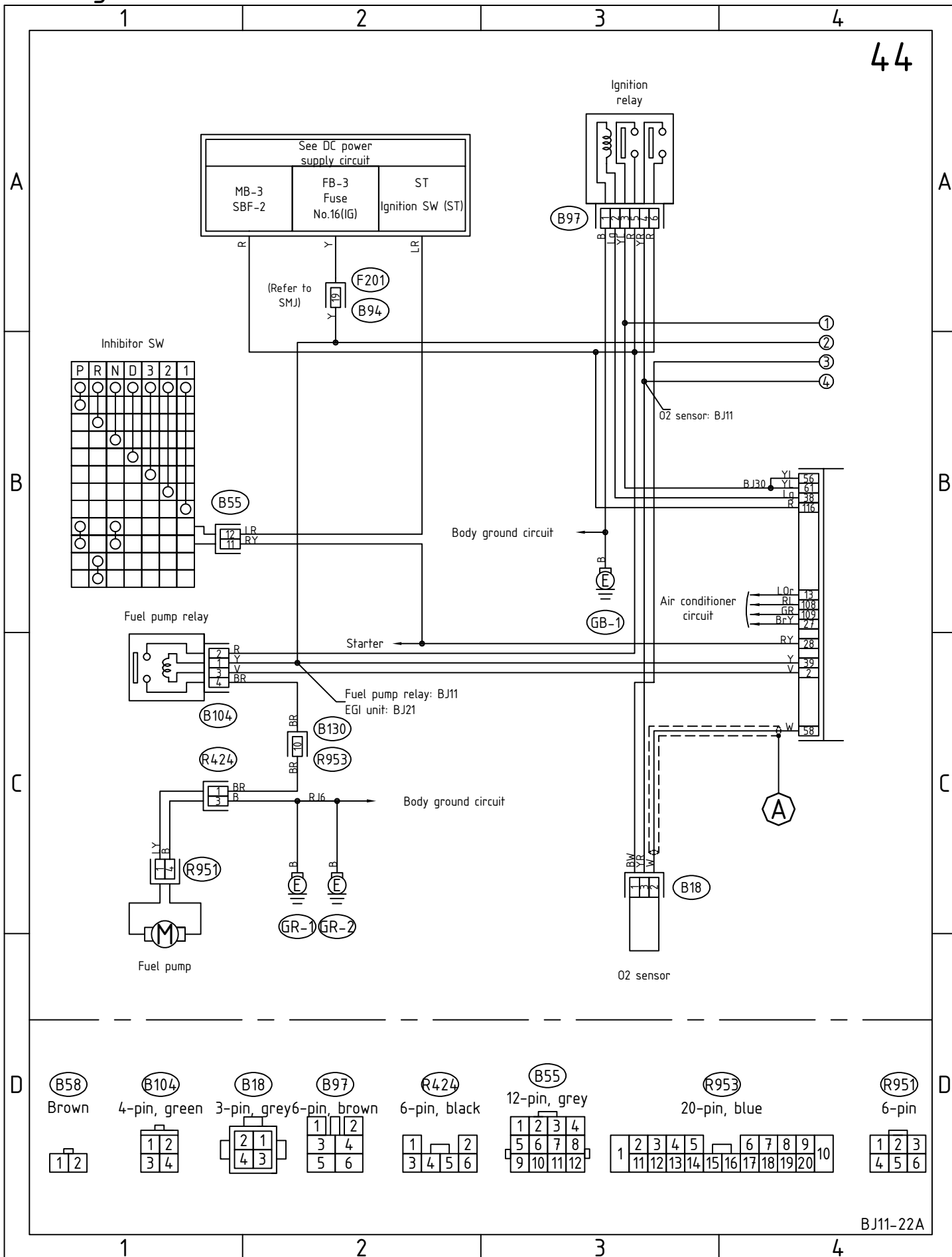
(9) Engine control circuit (2.5L MT)



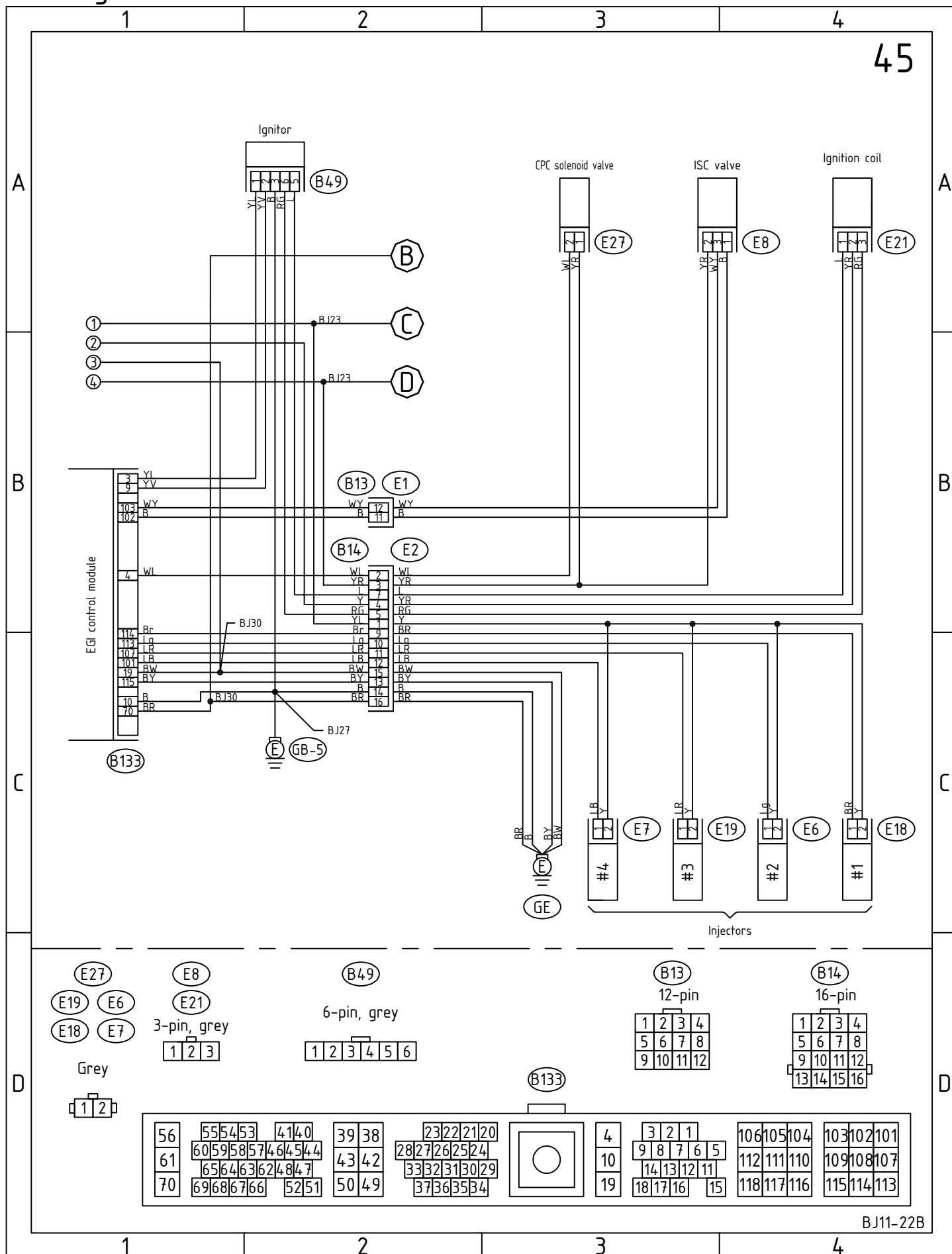
(9) Engine control circuit (2.5L MT)



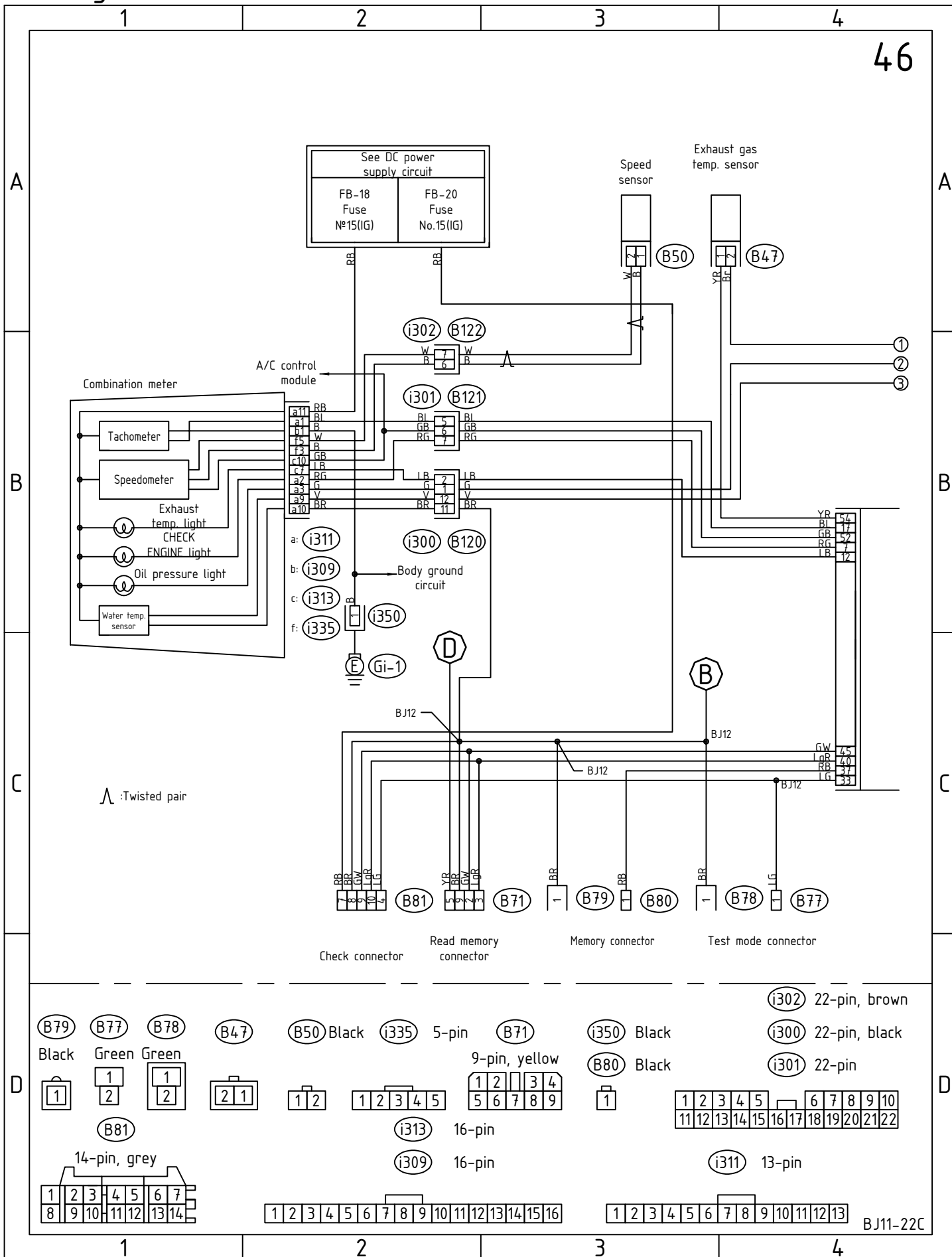
(10) Engine control circuit (2.5L AT)



(10) Engine control circuit (2.5L AT)



(10) Engine control circuit (2.5L AT)



Wiring Diagram for 4-Cylinder Engine

Legend:

- B139** 22-pin
- B21** 5-pin, grey
- E13** Brown
- B13** 12-pin, grey
- B67** 8-pin, grey
- E10** 3-pin, brown
- E3** Grey
- E9** Grey
- E11** Grey
- E15** Grey

ECU Control Module Pinout:

56	55	54	53	41	40	39	38	23	22	21	20	4	3	2	1	106	105	104	103	102	101
61	60	59	58	57	46	45	44	28	27	26	25	10	9	8	7	112	111	110	109	108	107
70	69	68	67	66	52	51	50	37	36	35	34	19	18	17	16	118	117	116	115	114	113

ECU Control Module Labels:

- 53 W
- 67 P
- 41 W
- 46 G
- 55 W
- 66 BL
- 23 BrY
- 68 R
- 64 WB
- 57 RY
- 69 BG
- B133
- B139
- 15 BL
- 12 BR
- 13 SB
- 10 RY
- 20 SB
- 8 BR
- 19 BG
- 22 SB
- 9 SB

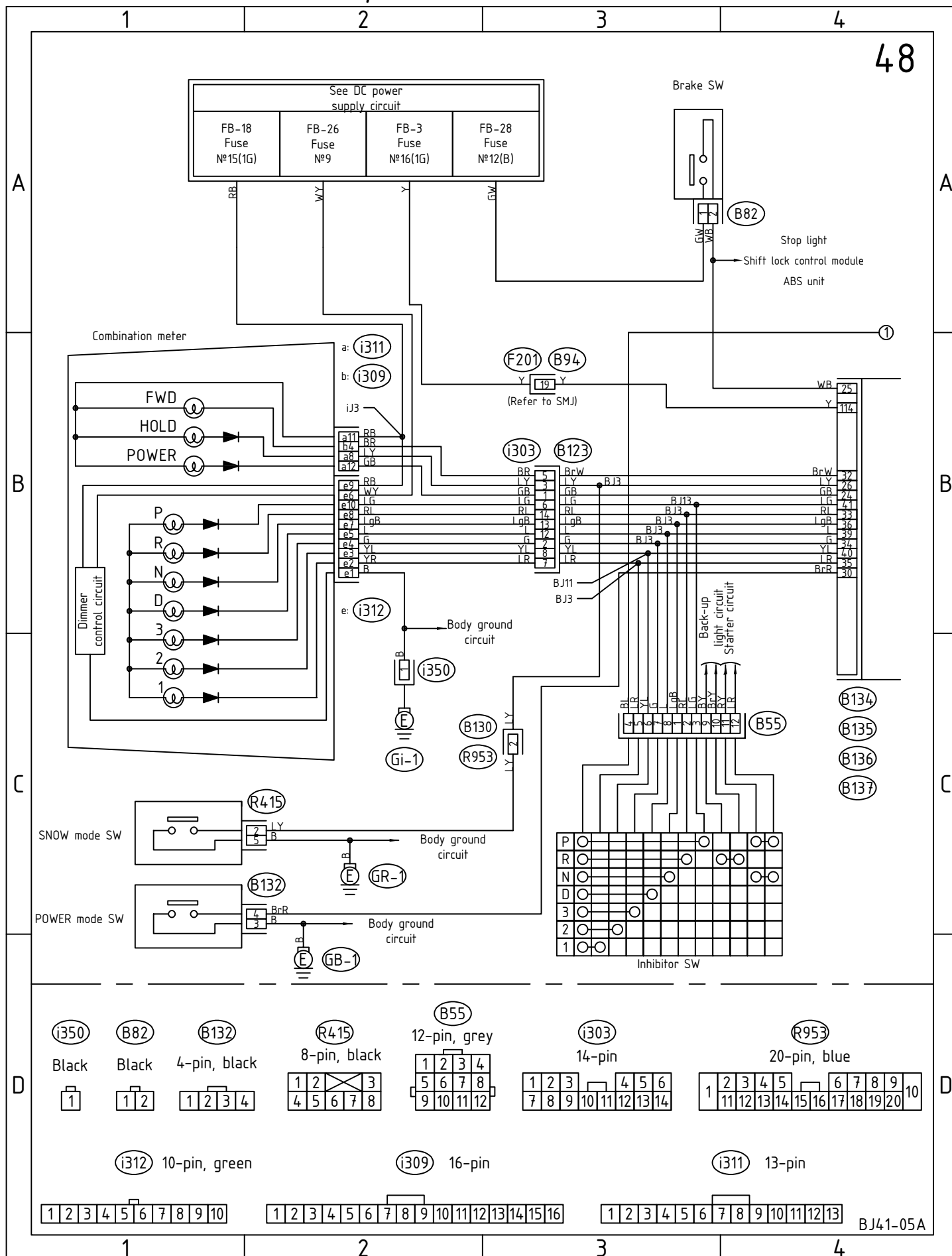
Sensors and Actuators:

- Air flow sensor (B21, E11)
- Crank angle sensor (E3)
- Cam angle sensor (E9)
- Knock sensor (E12)
- Oil pressure SW (E14)
- Temp. sensor (E15)
- P/S oil pressure SW (E10)
- Throttle position sensor (E13)
- Water temp. sensor (E13)

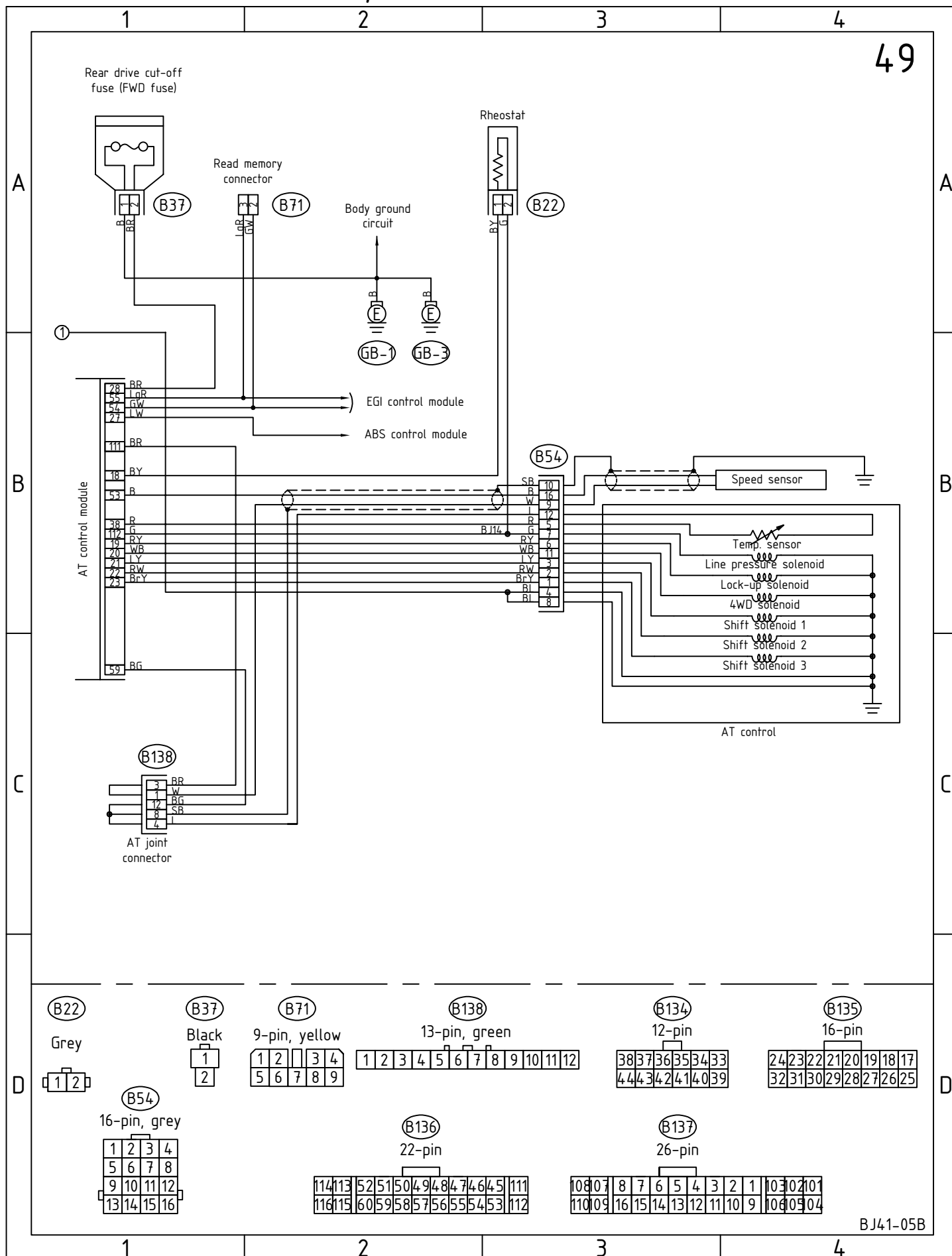
Joint connector:

- 4 B
- 1 W
- 2 SB
- 3 G
- 5 GR
- 6 SB
- 8 LW
- 7 W
- 2 RY
- 9 G
- 10 V
- 8 BrY
- 3 WB
- 4 RY
- 5 B
- 6 GW
- 9 WG
- 10 GR
- 3 R
- 4 W
- 5 BY

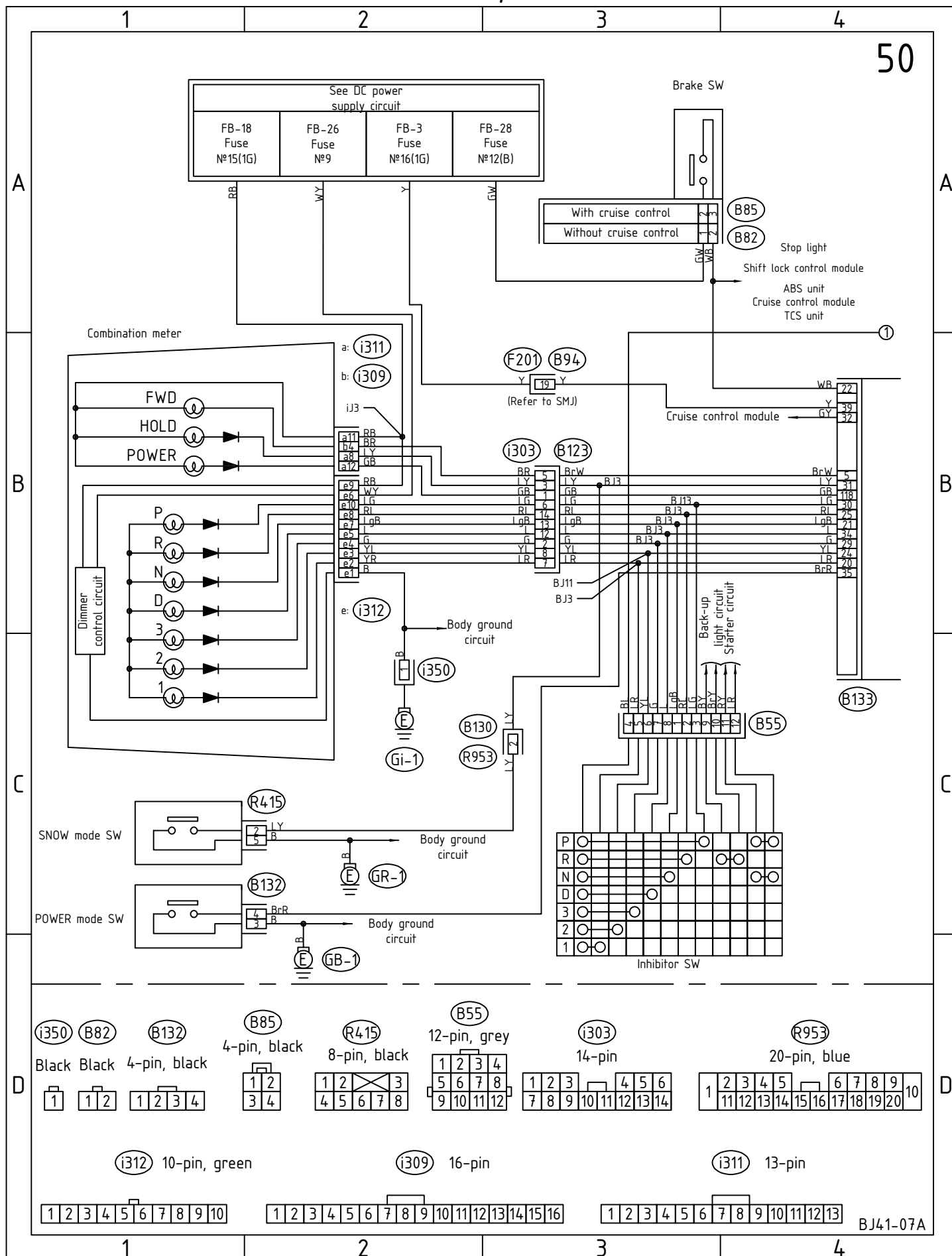
(11) AT control circuit (1.8L, 4AT)



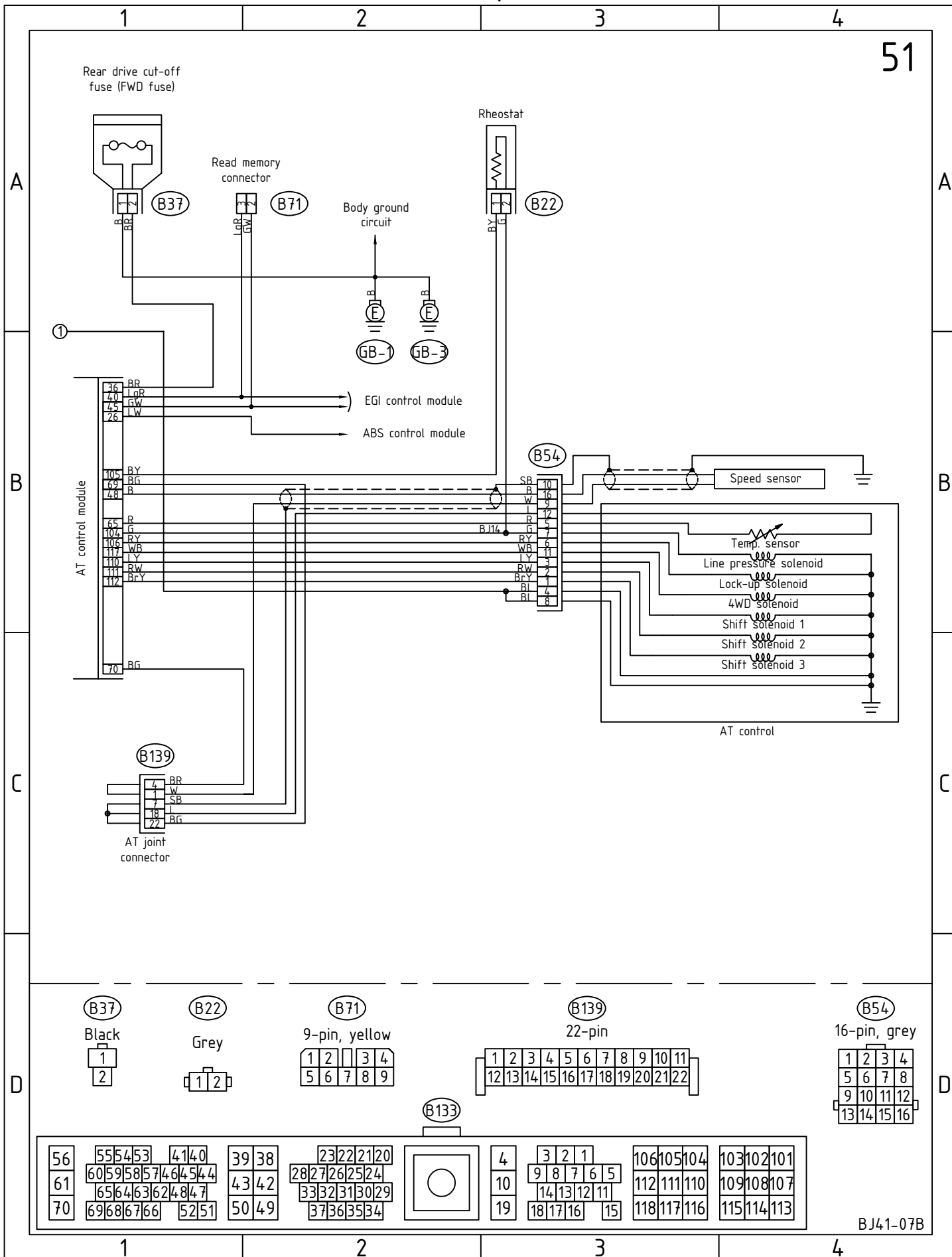
(11) AT control circuit (1.8L, 4AT)



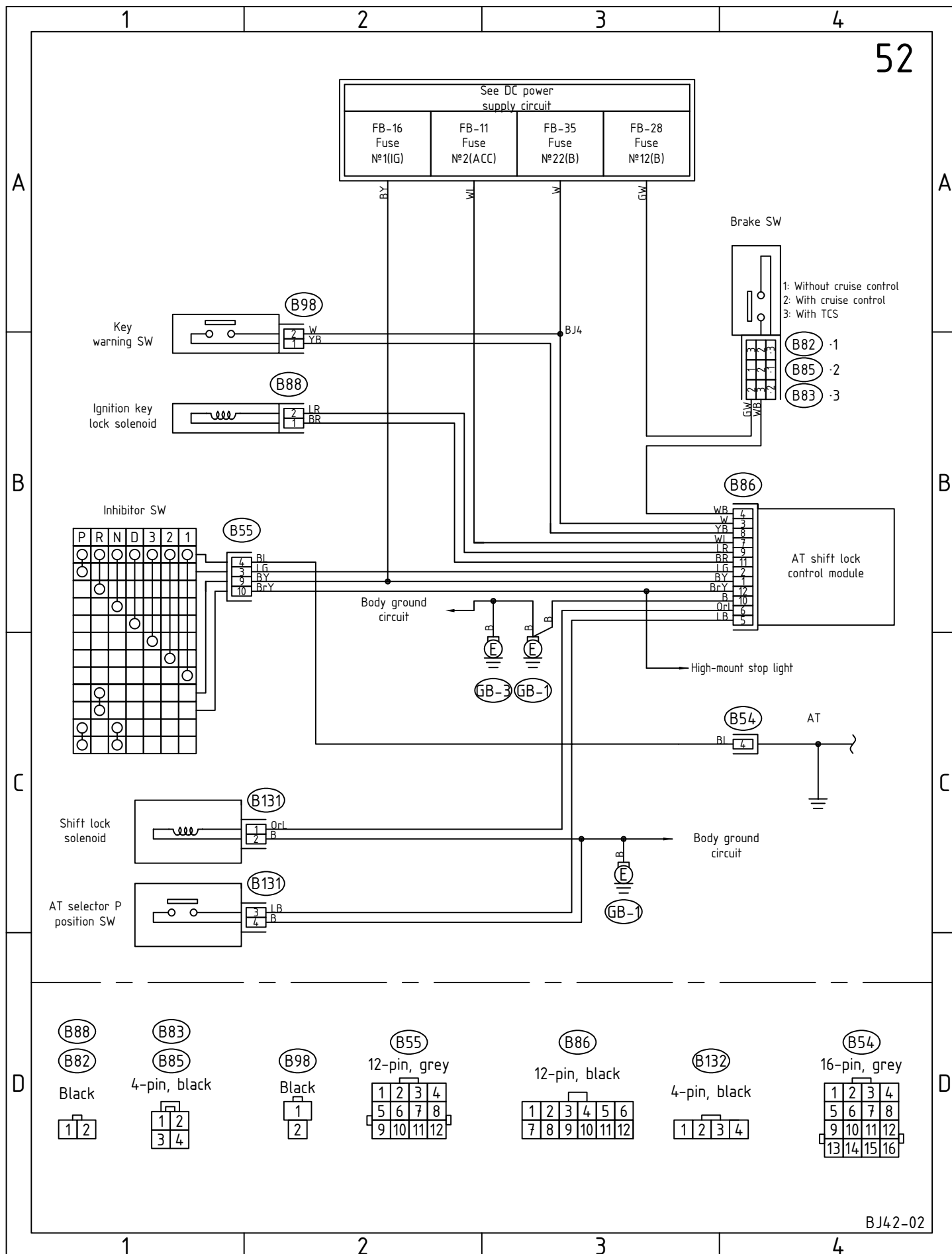
(12) AT control circuit (2.0L and 2.5L, 4AT)



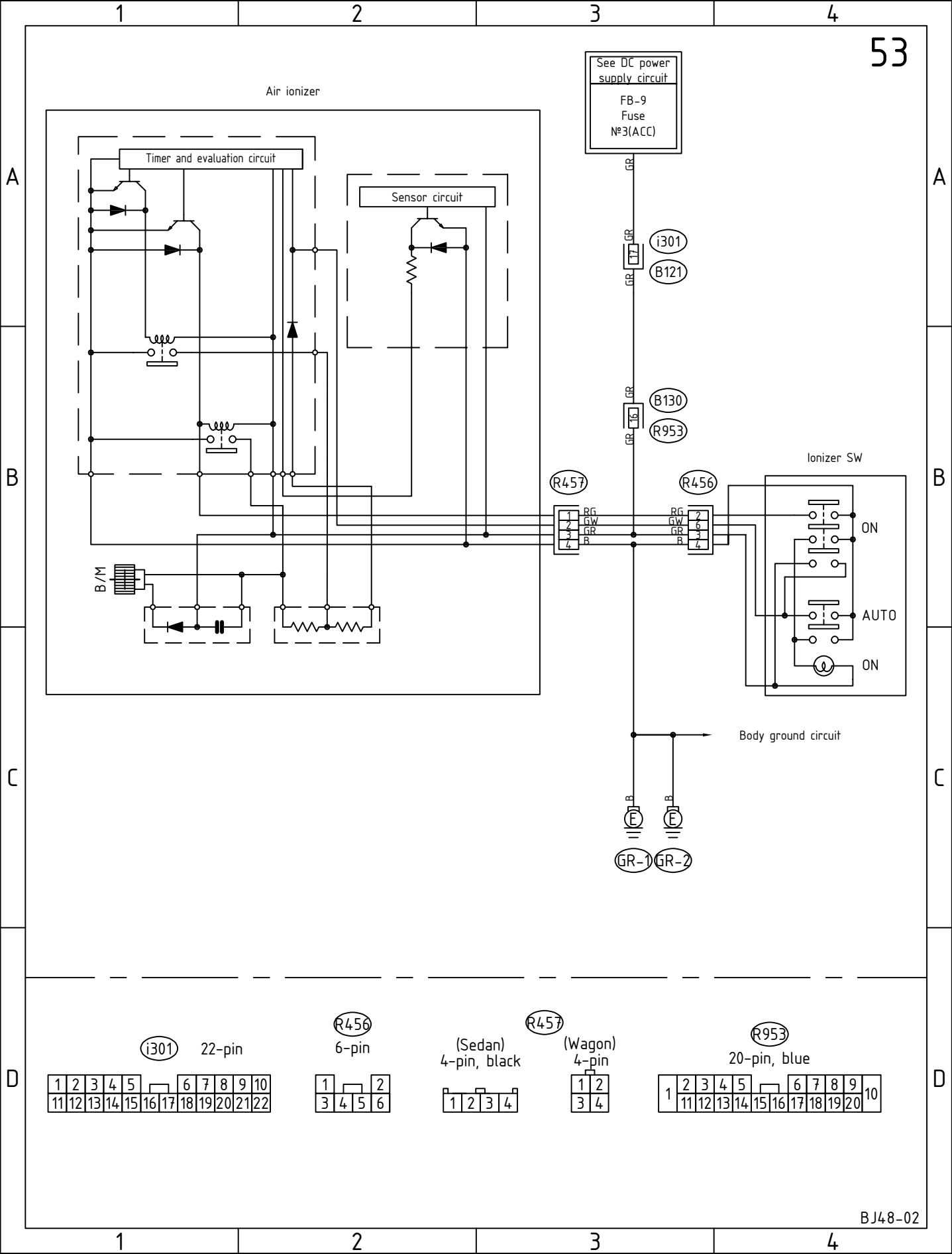
(12) AT control circuit (2.0L and 2.5L, 4AT)



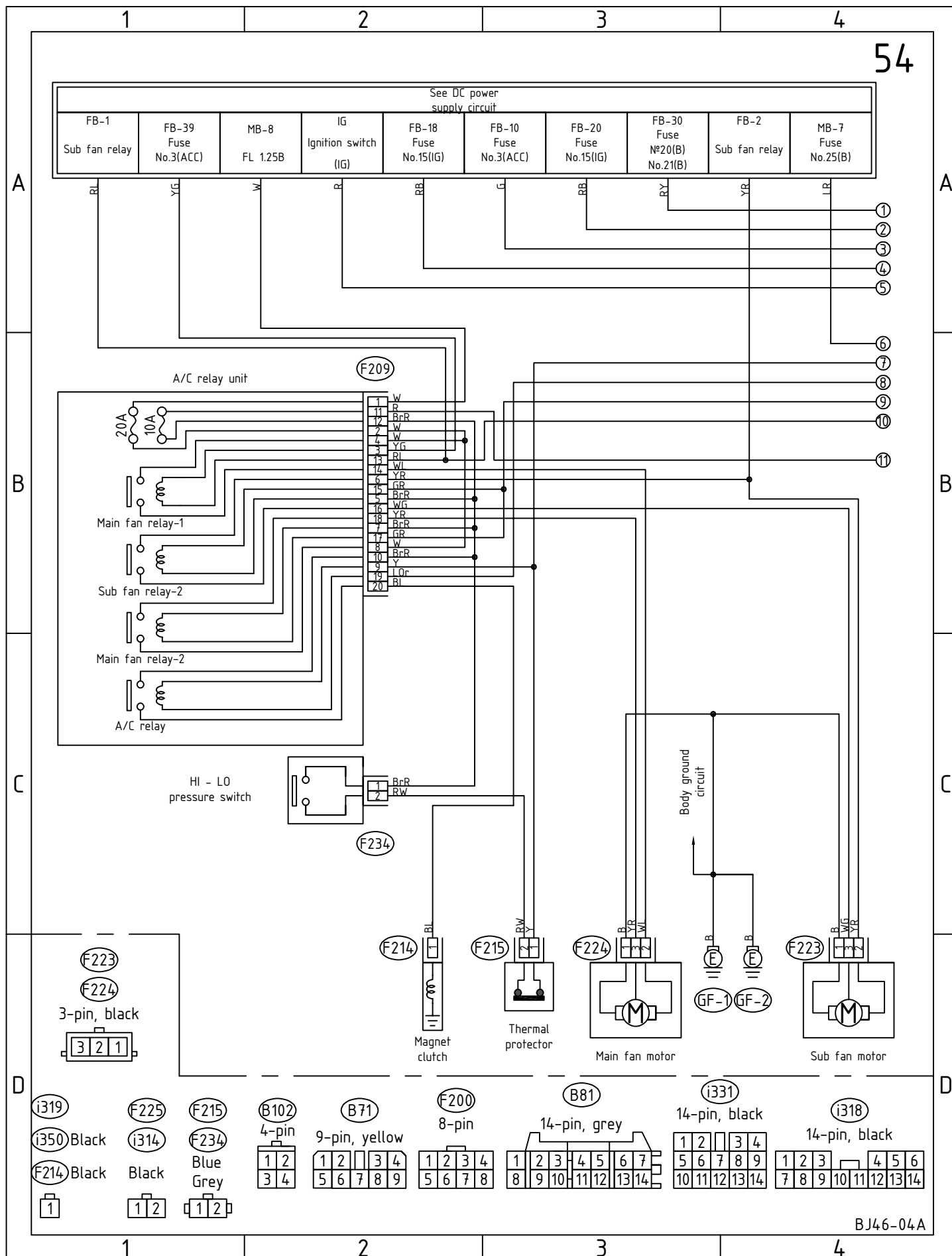
(13) AT shift lock control circuit



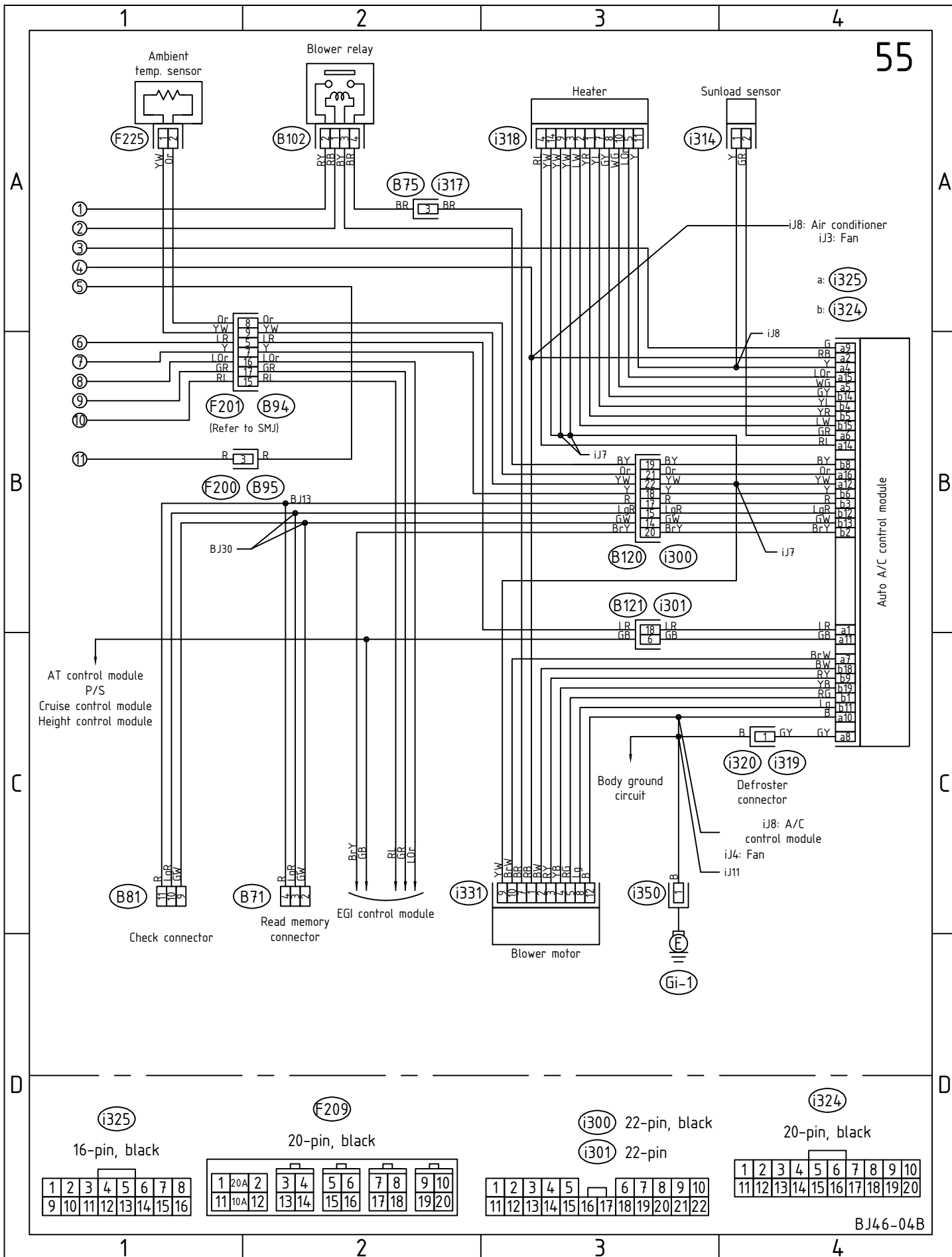
(14) Ionizer circuit



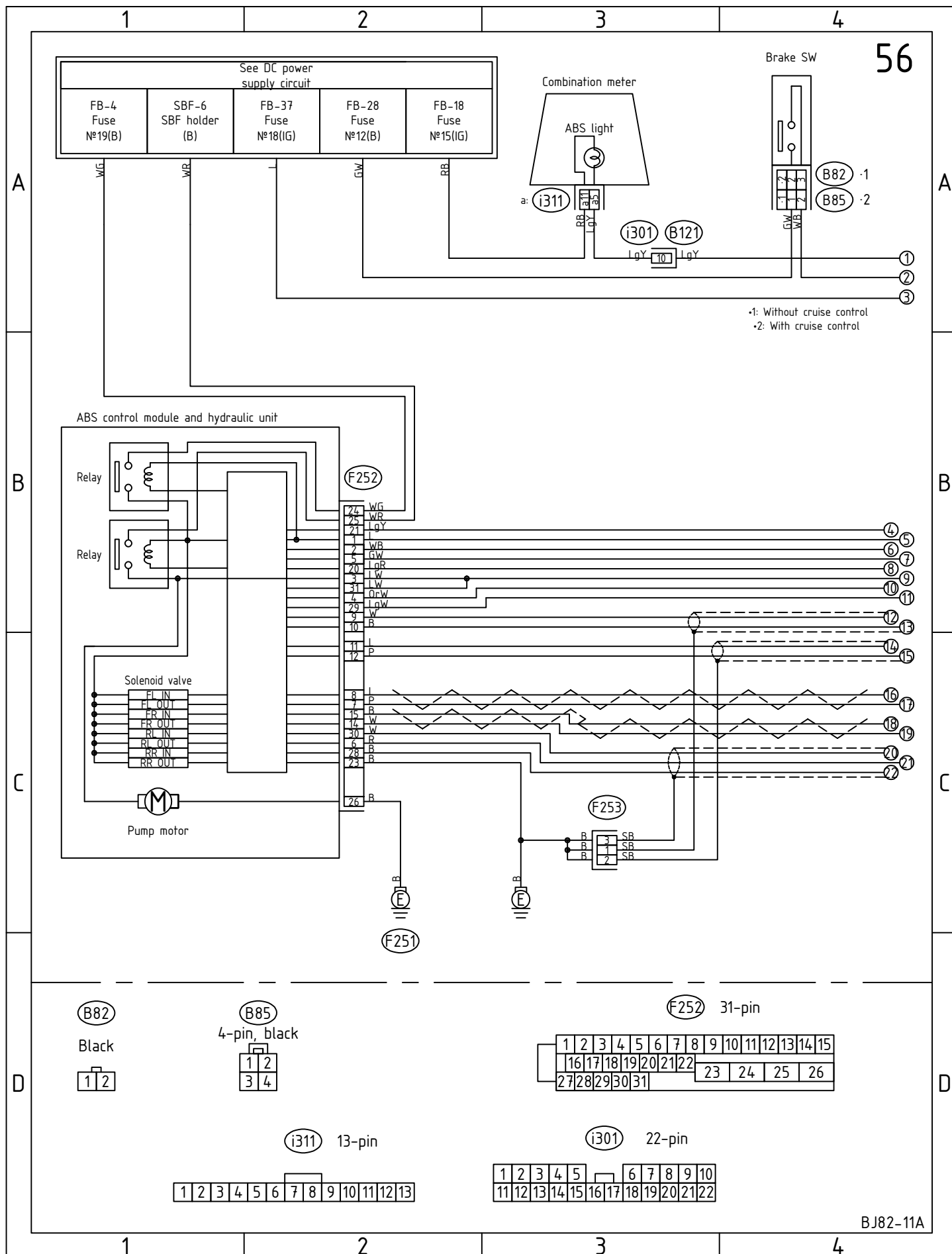
(15) Air conditioner circuit



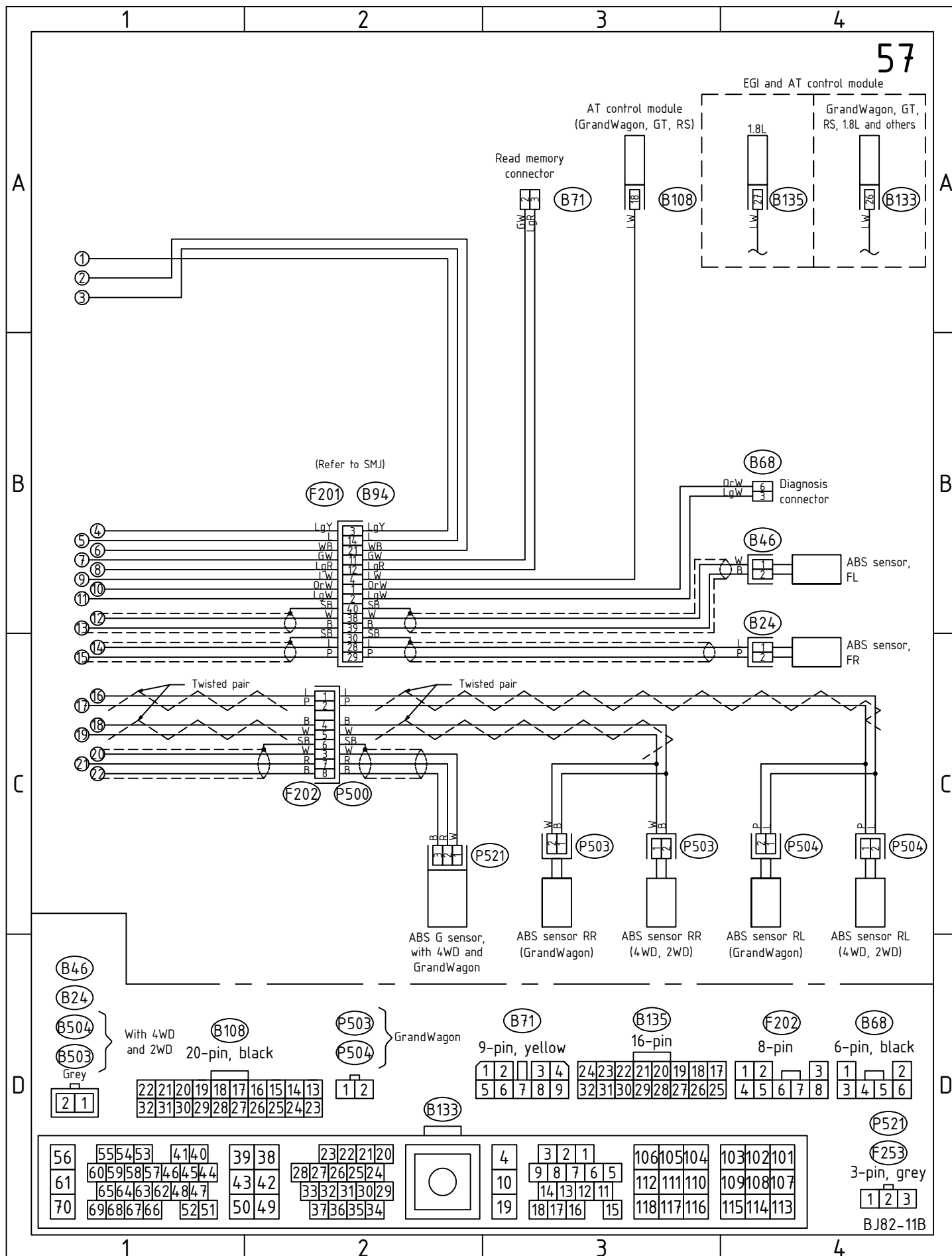
(15) Air conditioner circuit



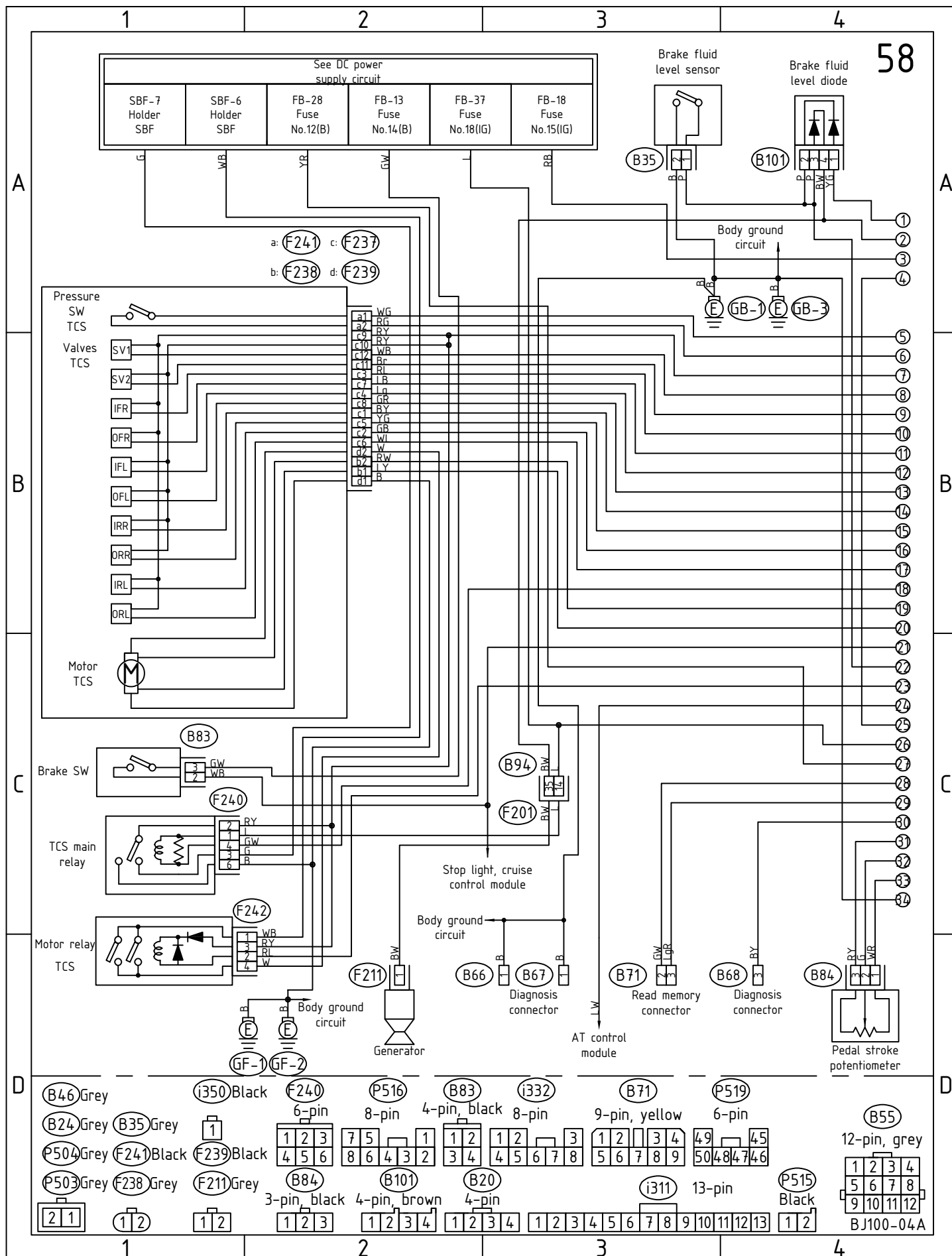
(16) ABS control circuit



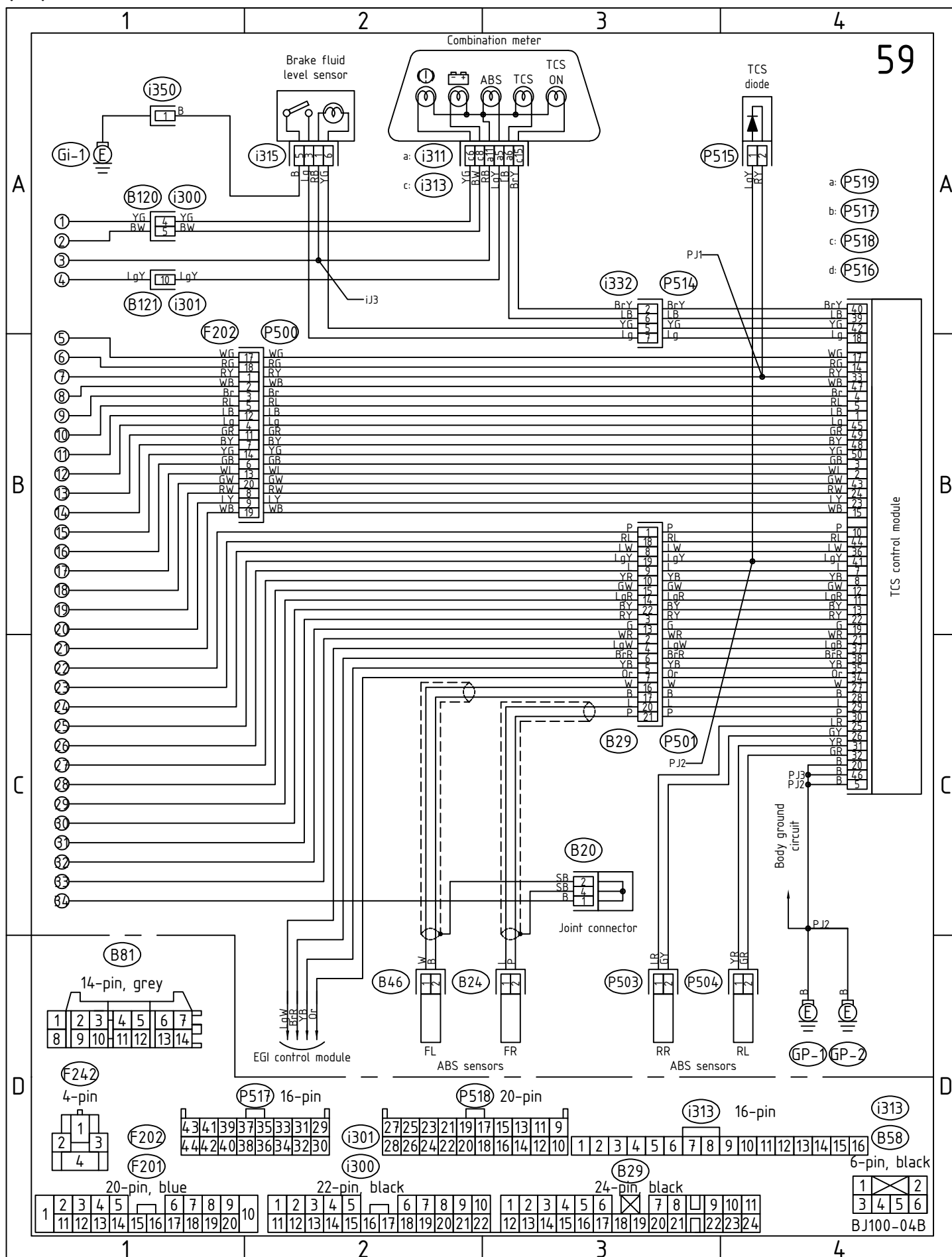
(16) ABS control circuit



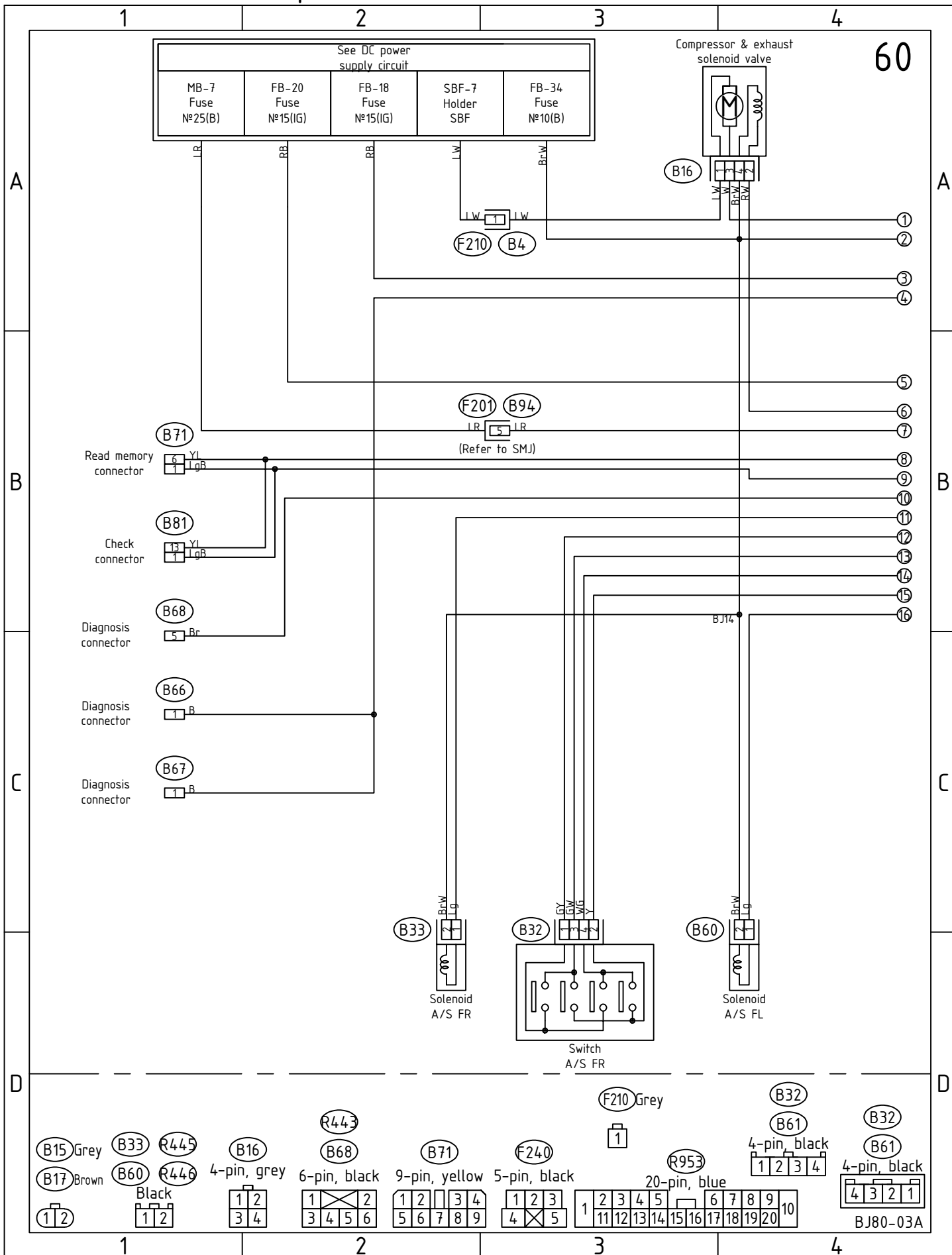
(17) TCS control circuit



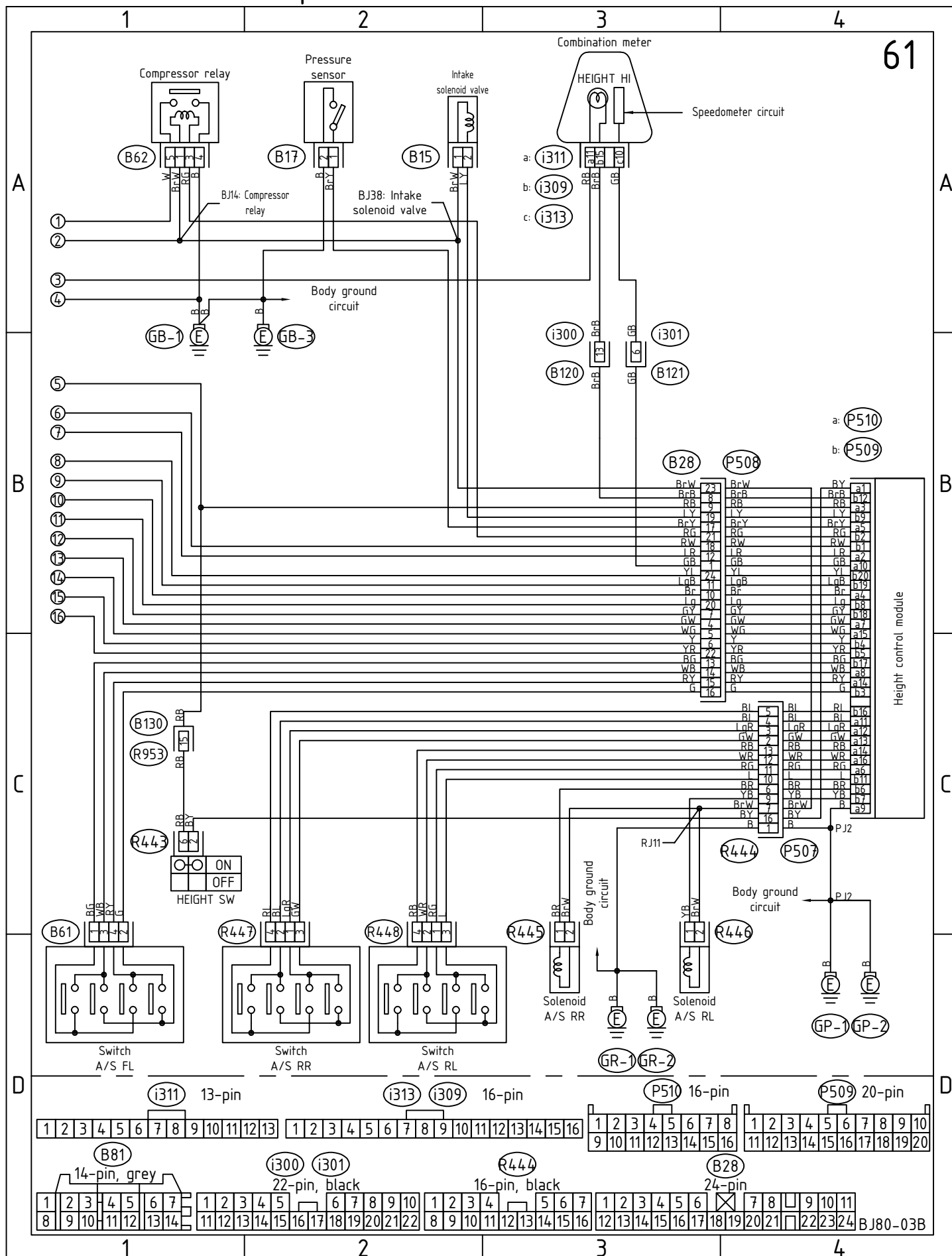
(17) TCS control circuit



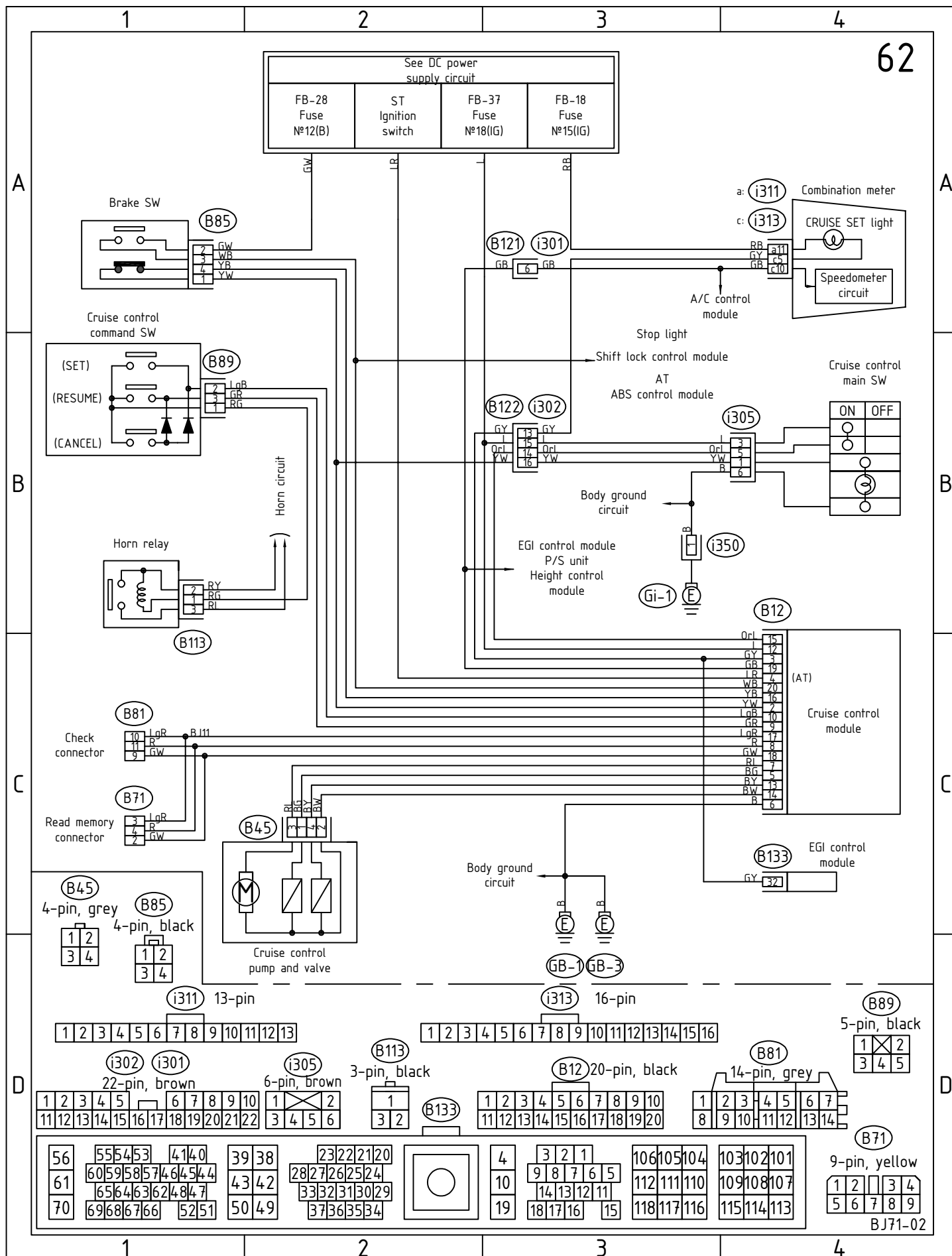
(18) Electronic air suspension circuit



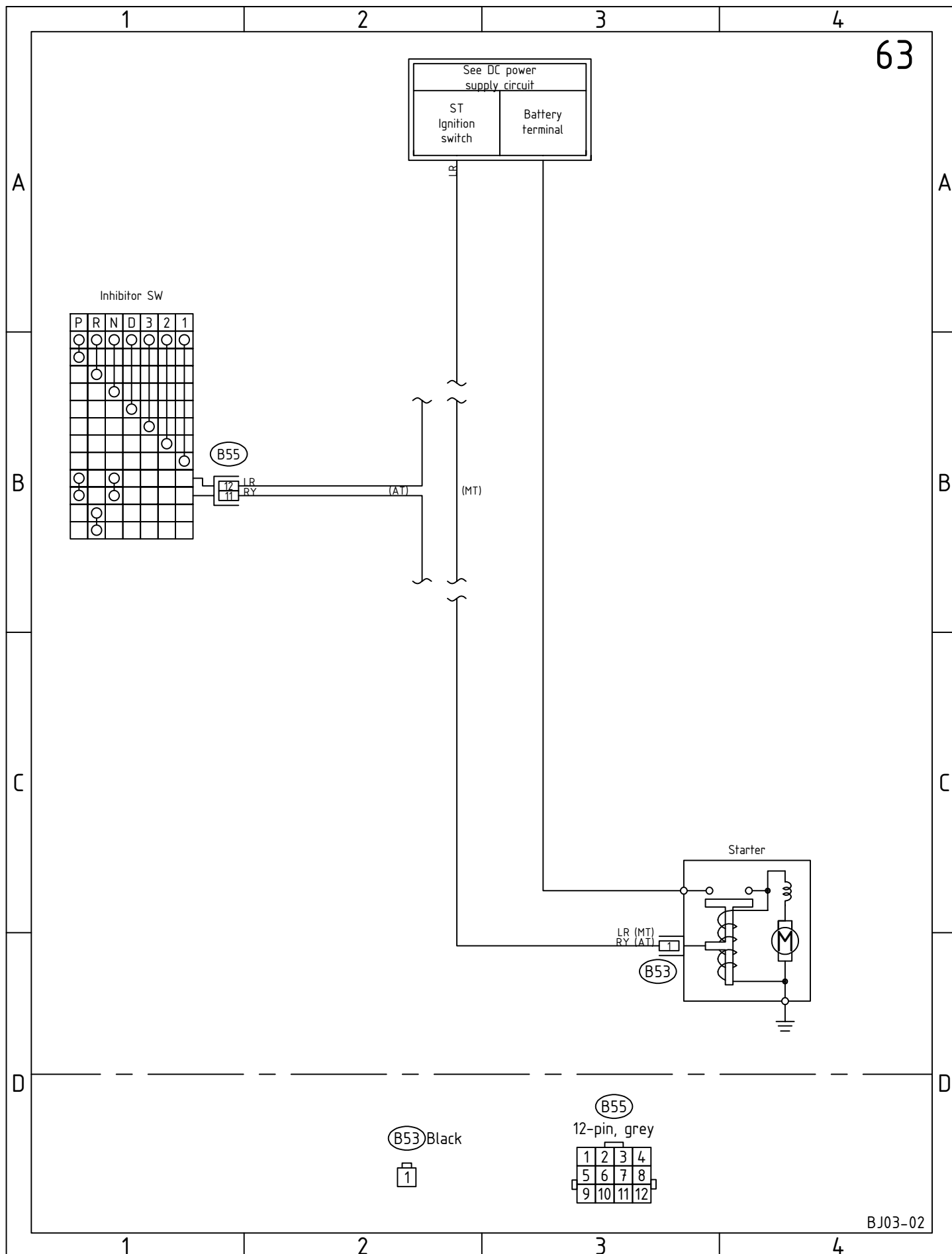
(18) Electronic air suspension circuit



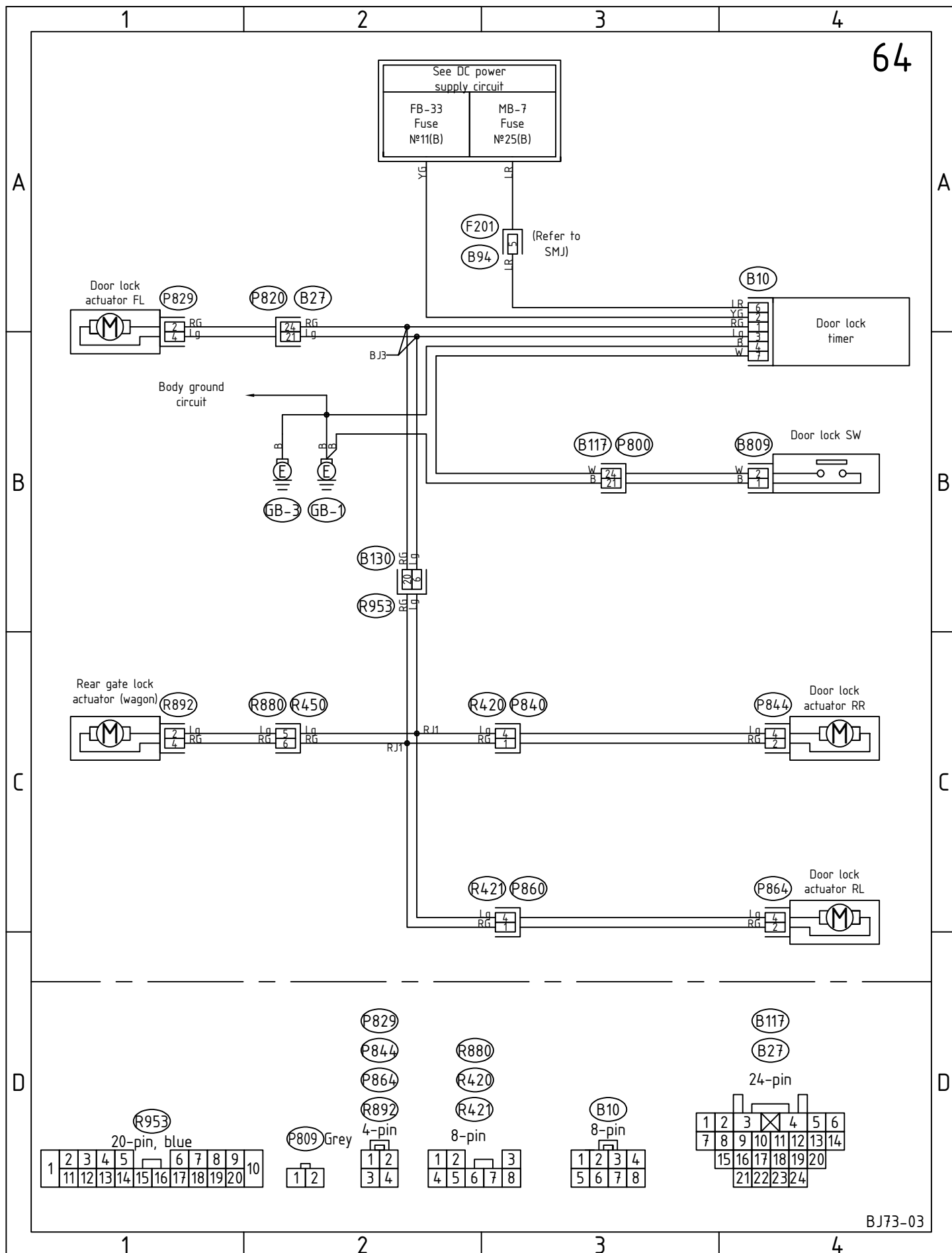
(19) Cruise control circuit



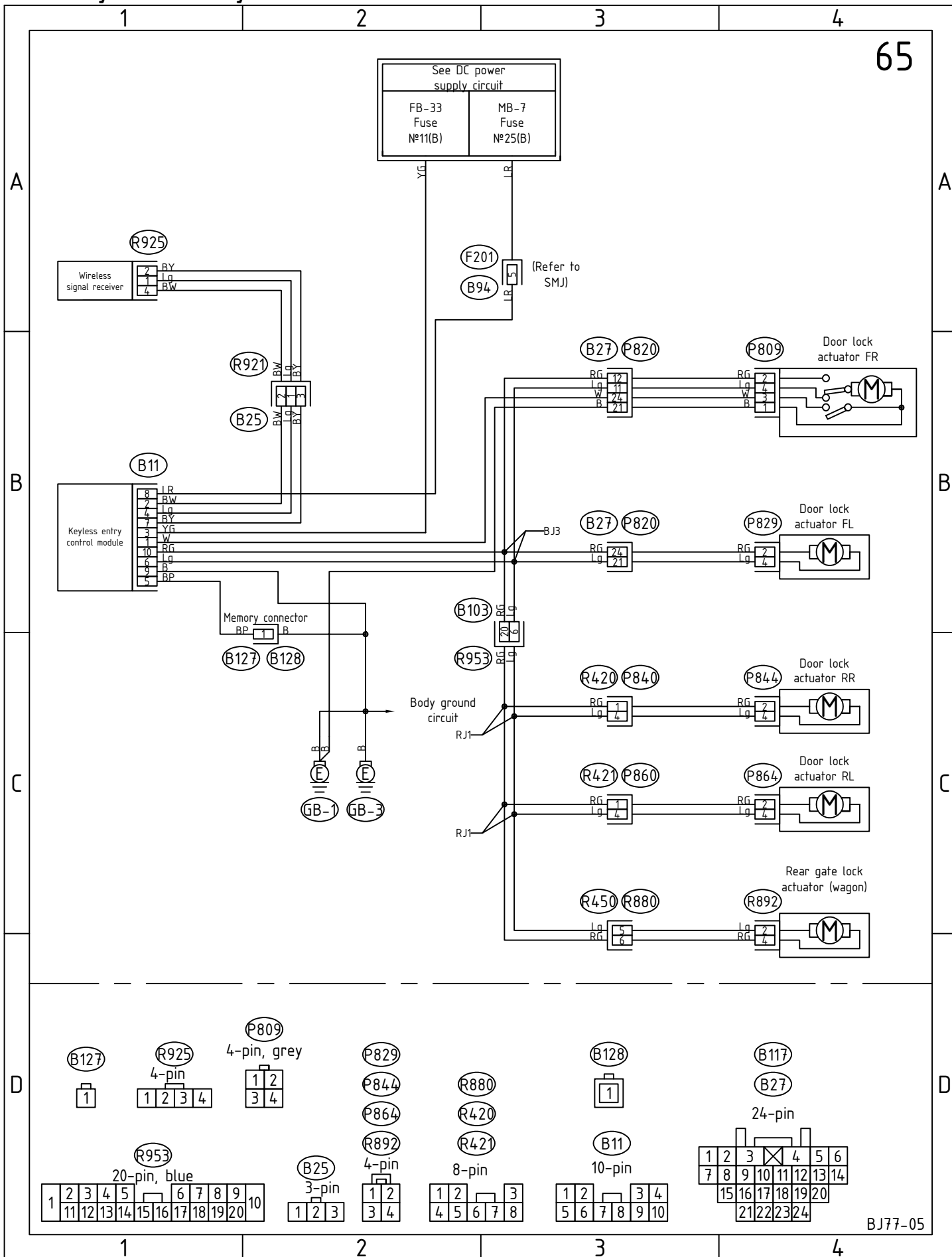
(20) Starter circuit



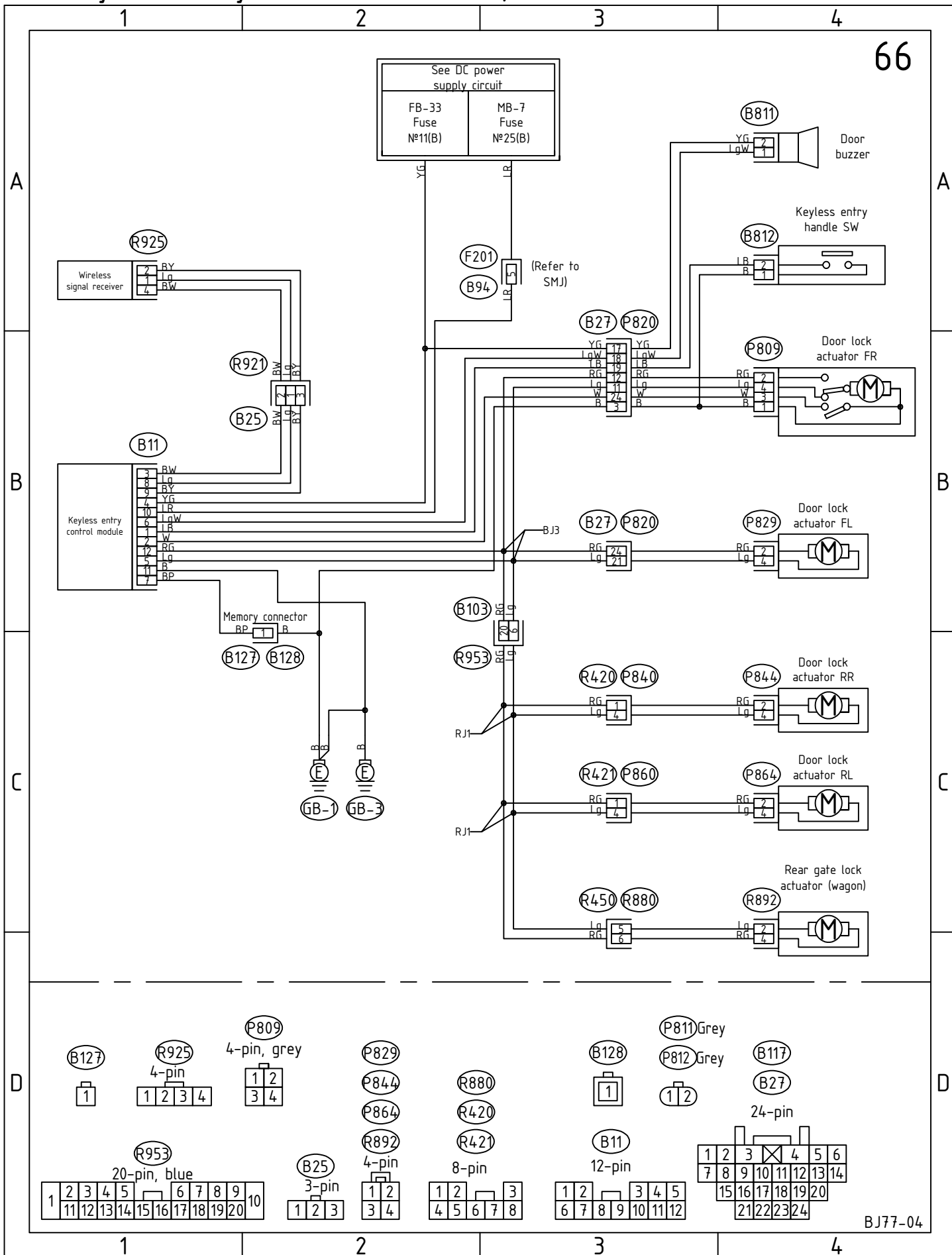
(21) Power door lock circuit



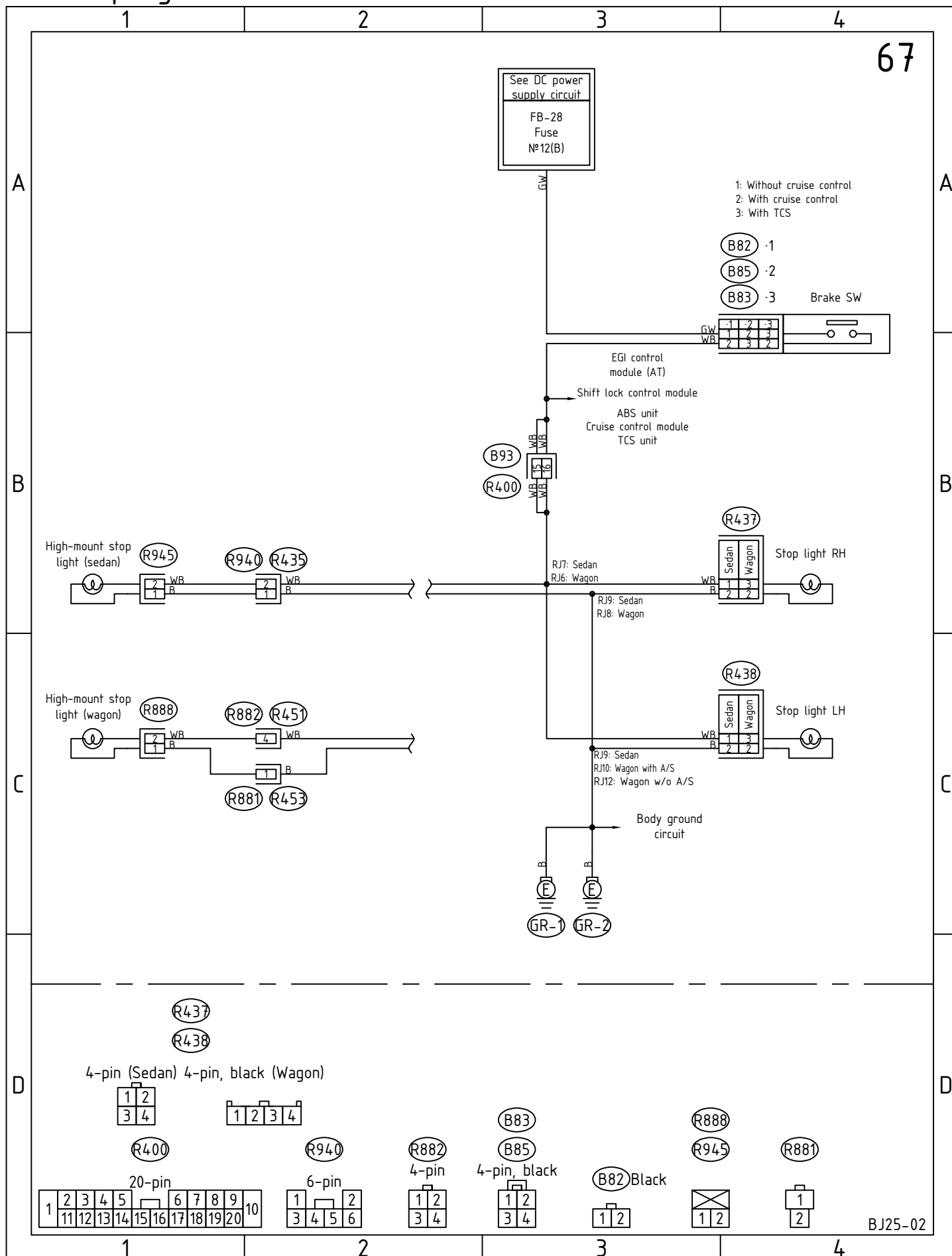
(22) Keyless entry circuit (2.0L non-turbo)



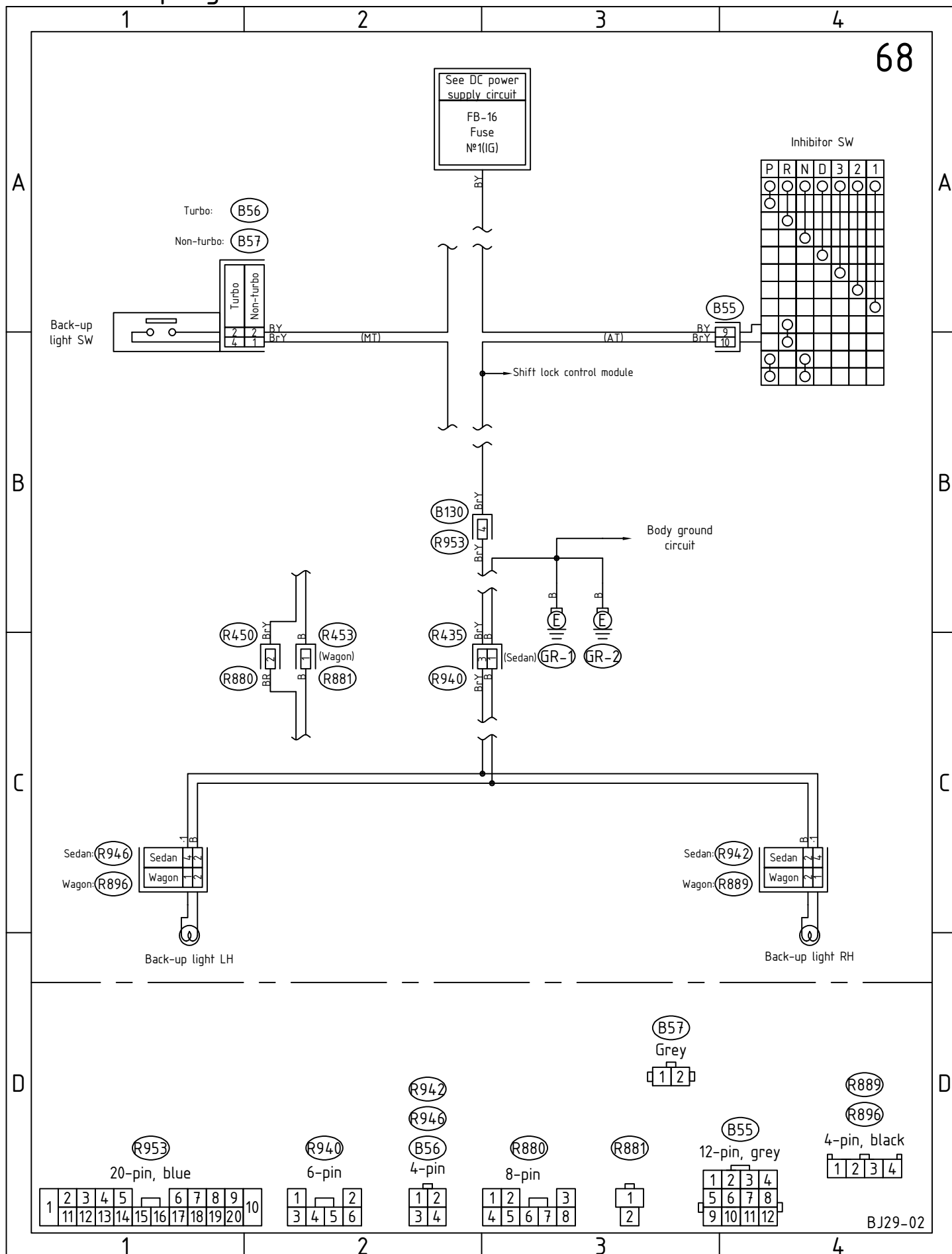
(23) Keyless entry circuit (2.0L turbo, 250T)



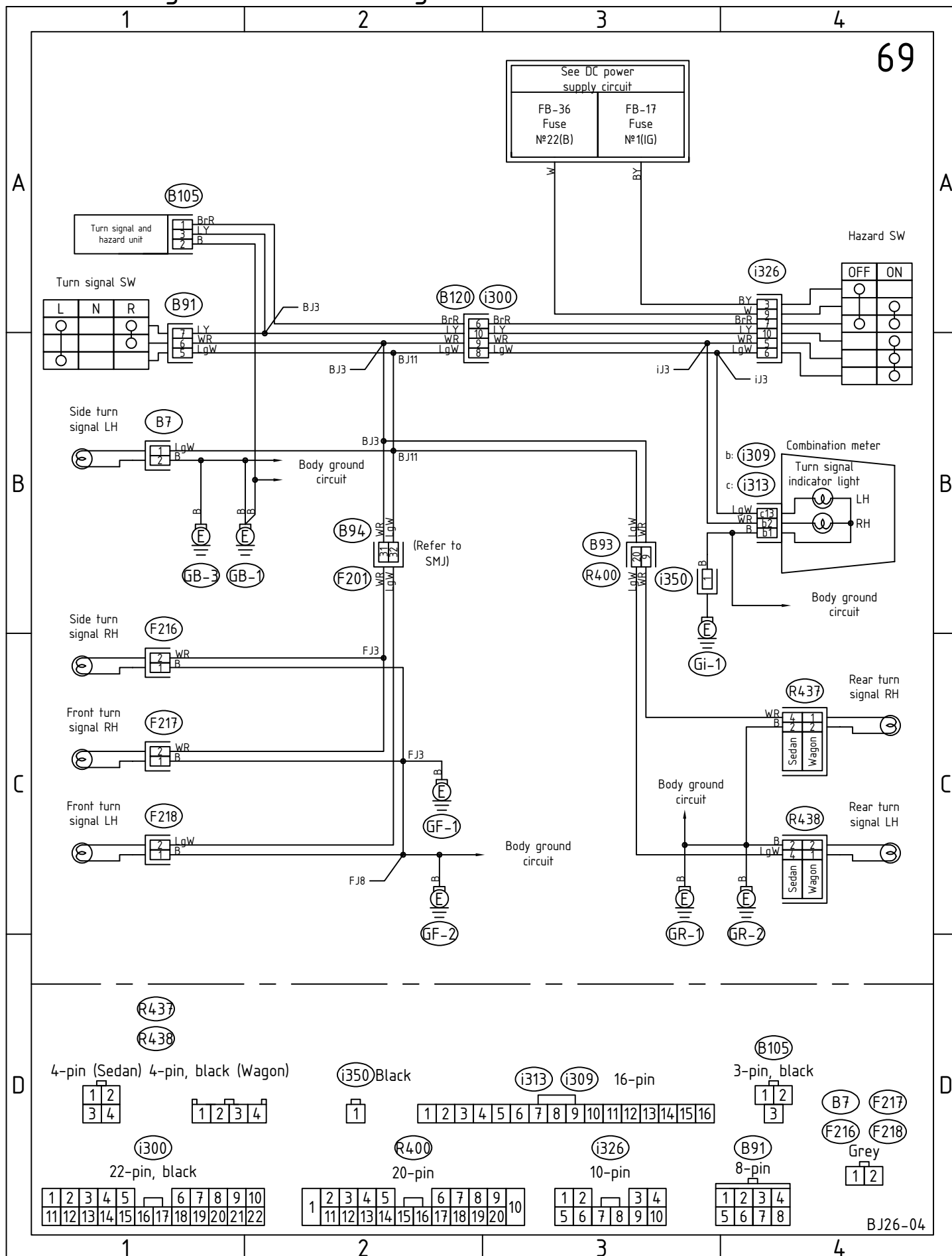
(24) Stop light circuit



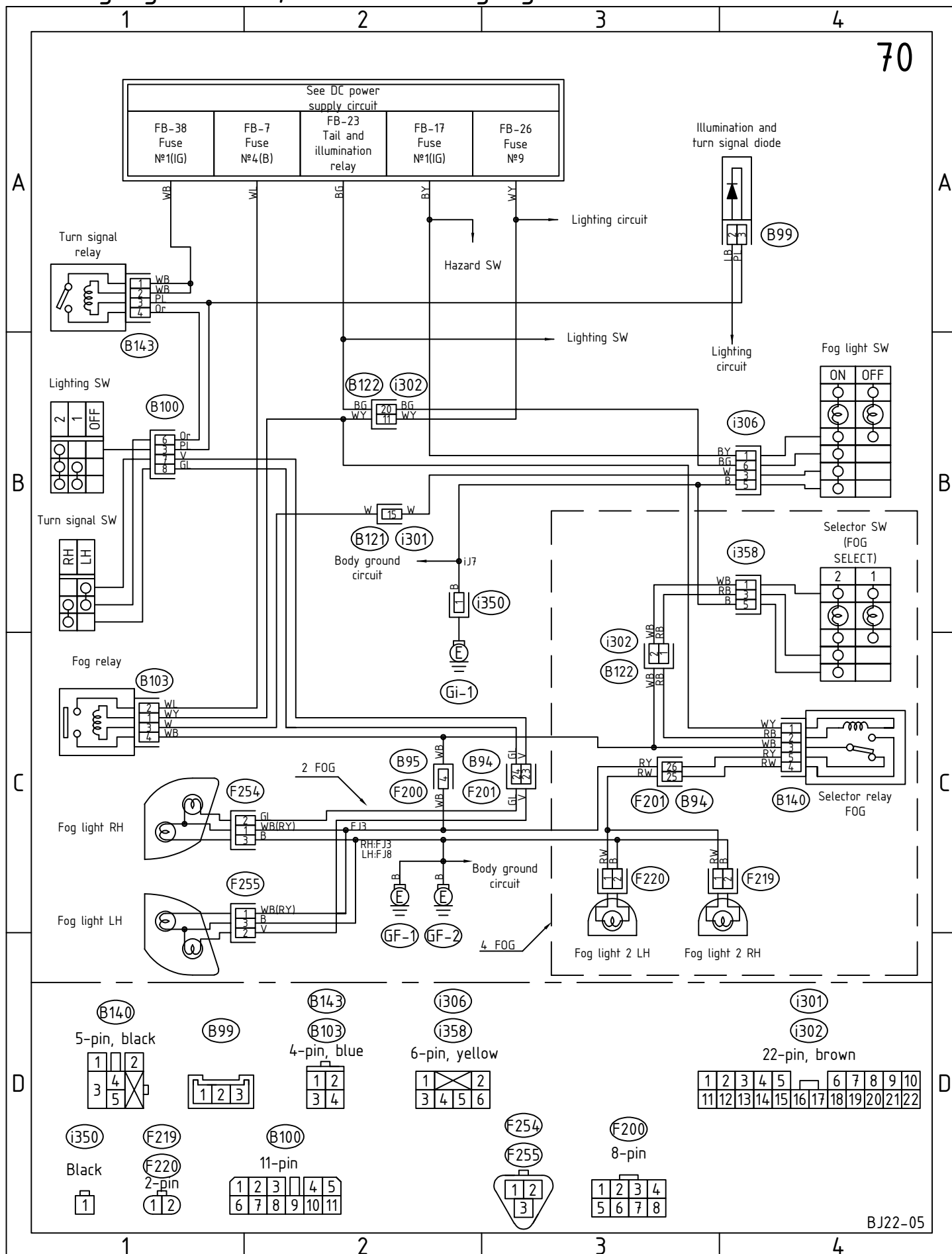
(25) Back-up light circuit



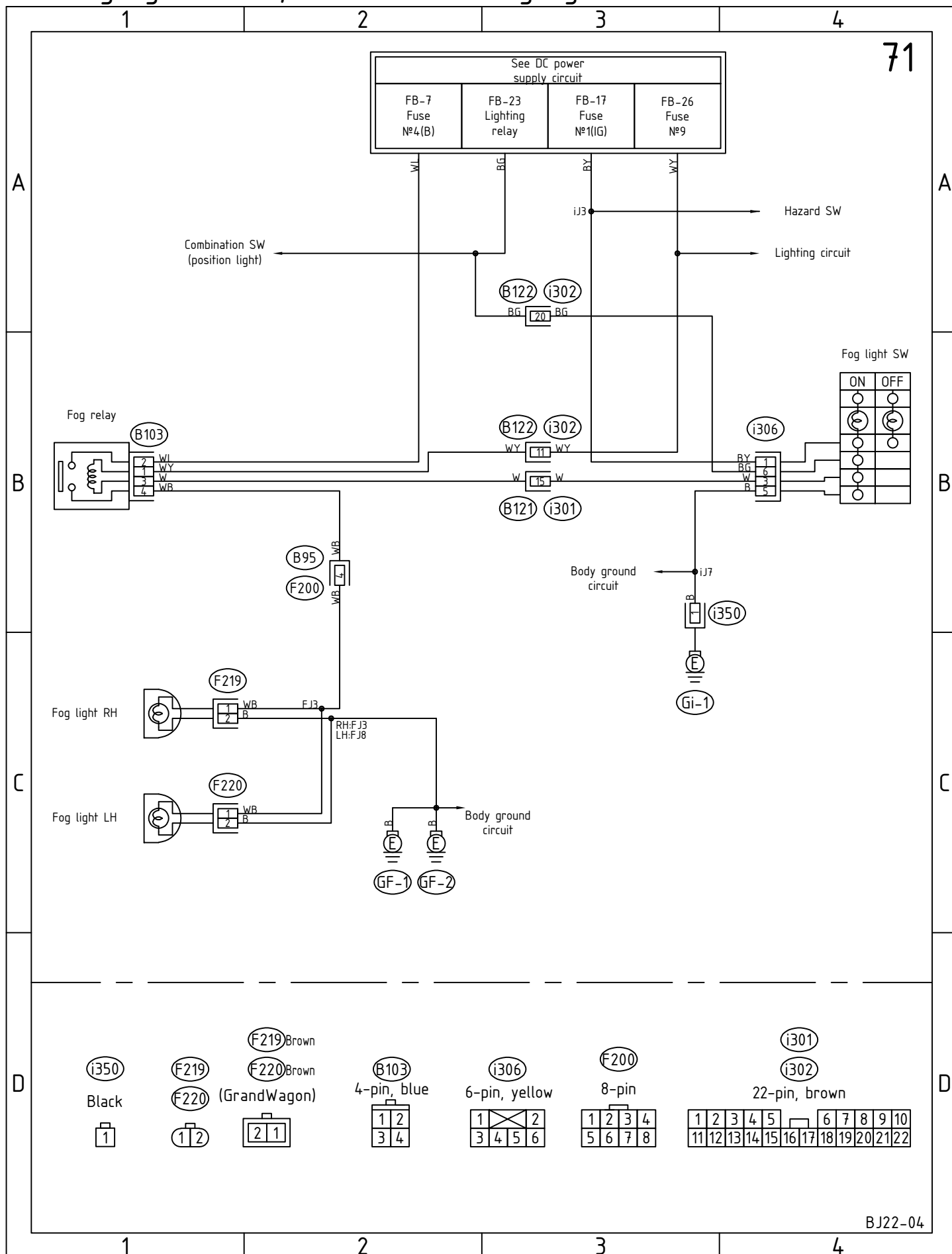
(26) Turn signal and hazard light circuit



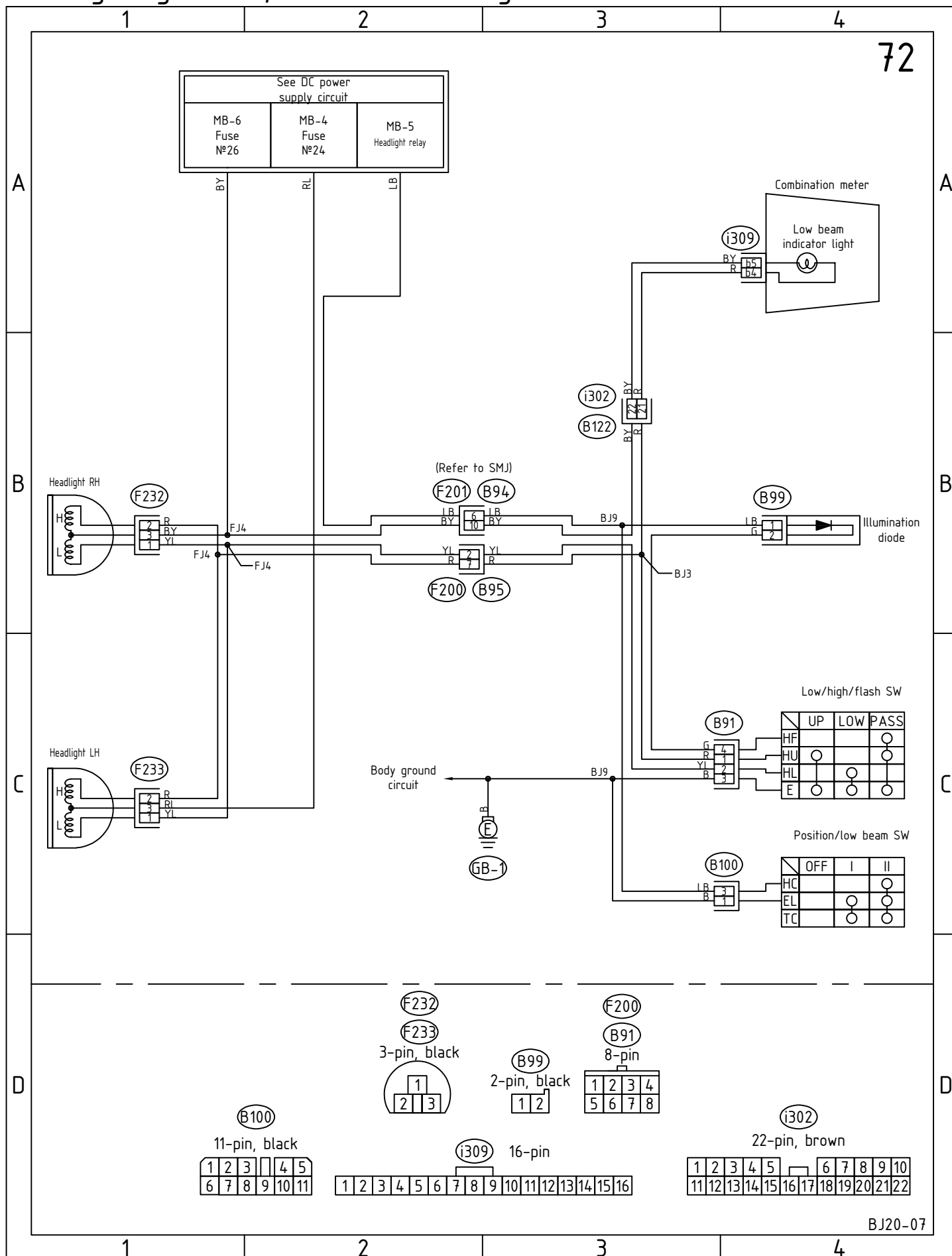
(27) Fog light circuit, with cornering light



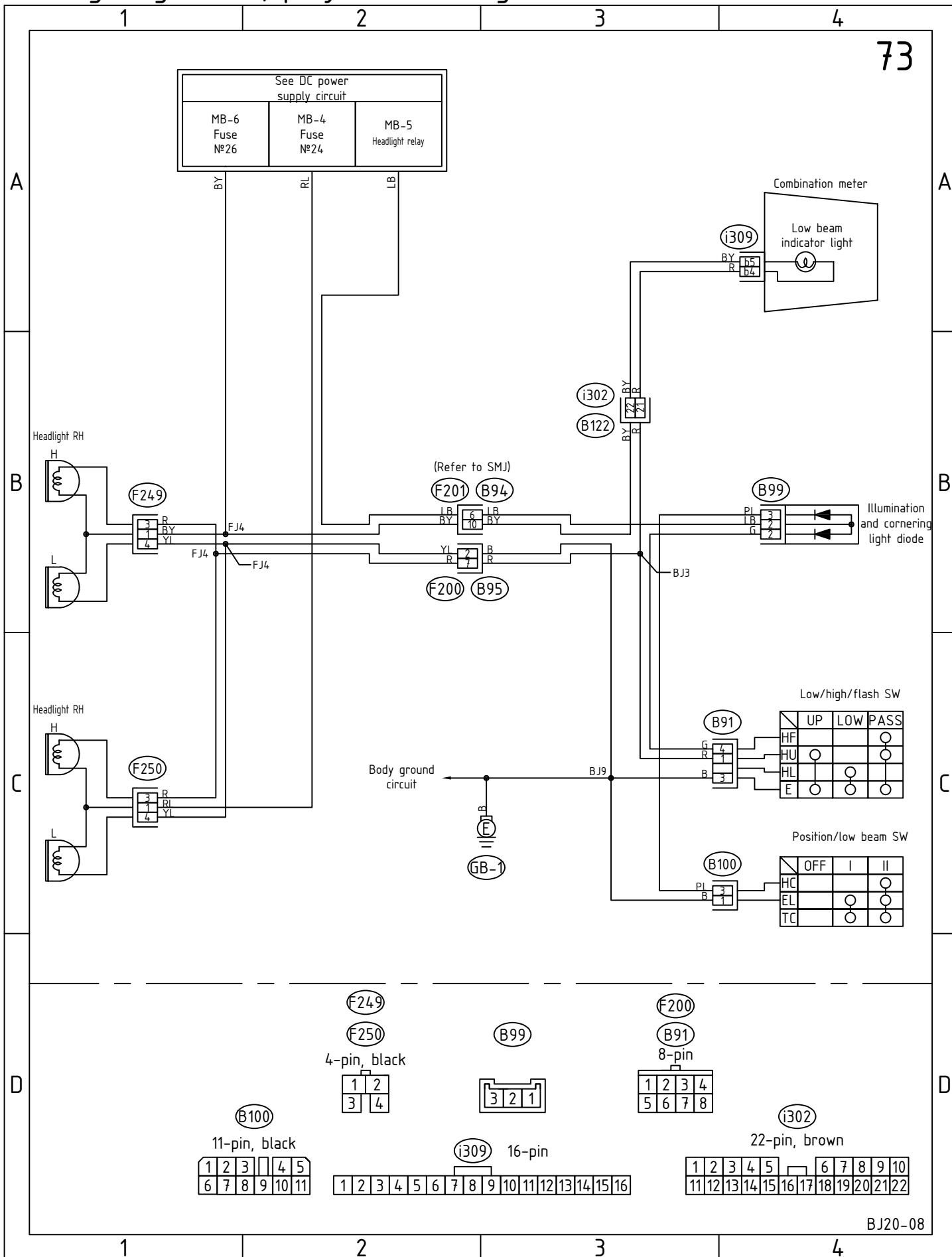
(28) Fog light circuit, without cornering light



(29) Lighting circuit, reflector headlight

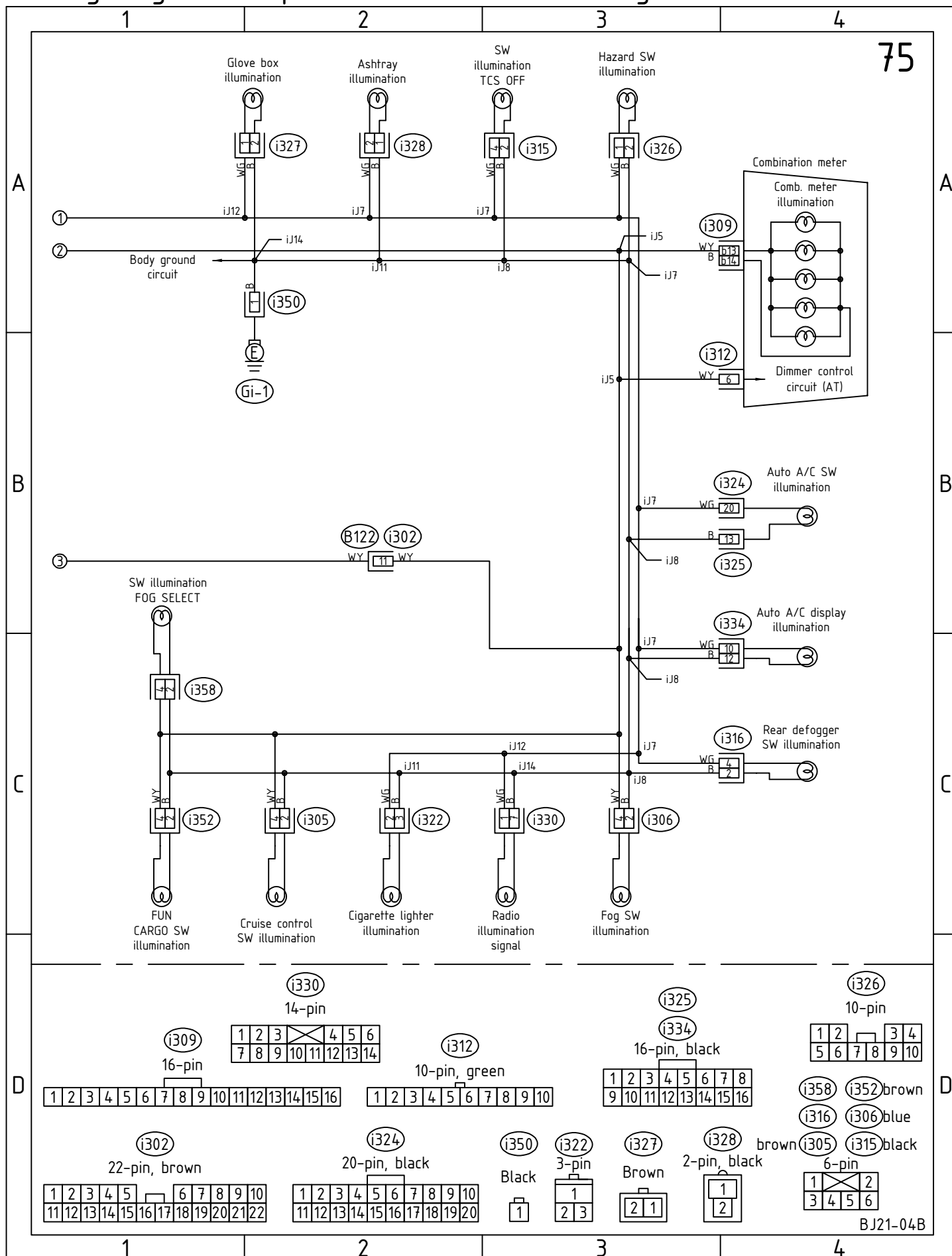


(30) Lighting circuit, projector headlight

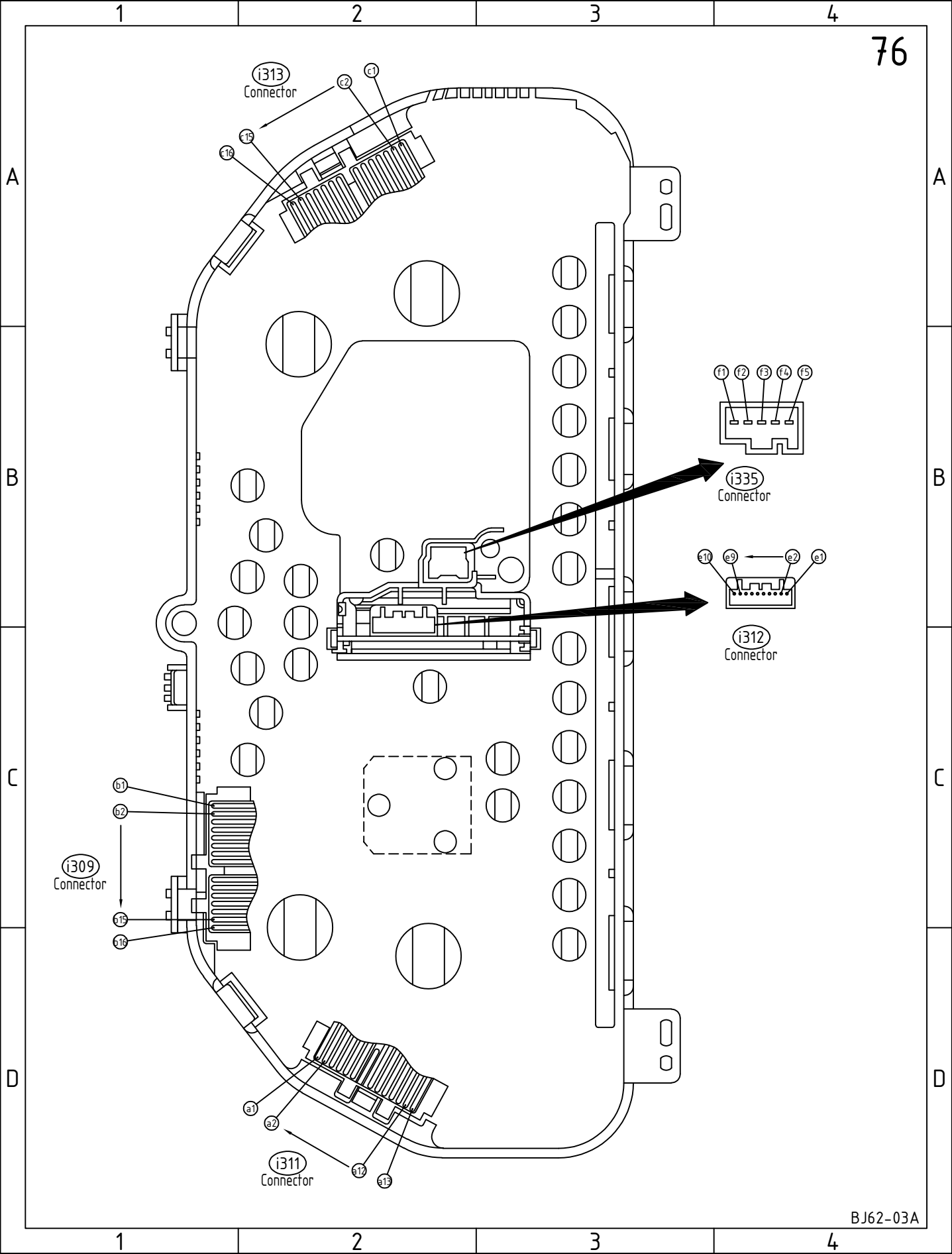


74

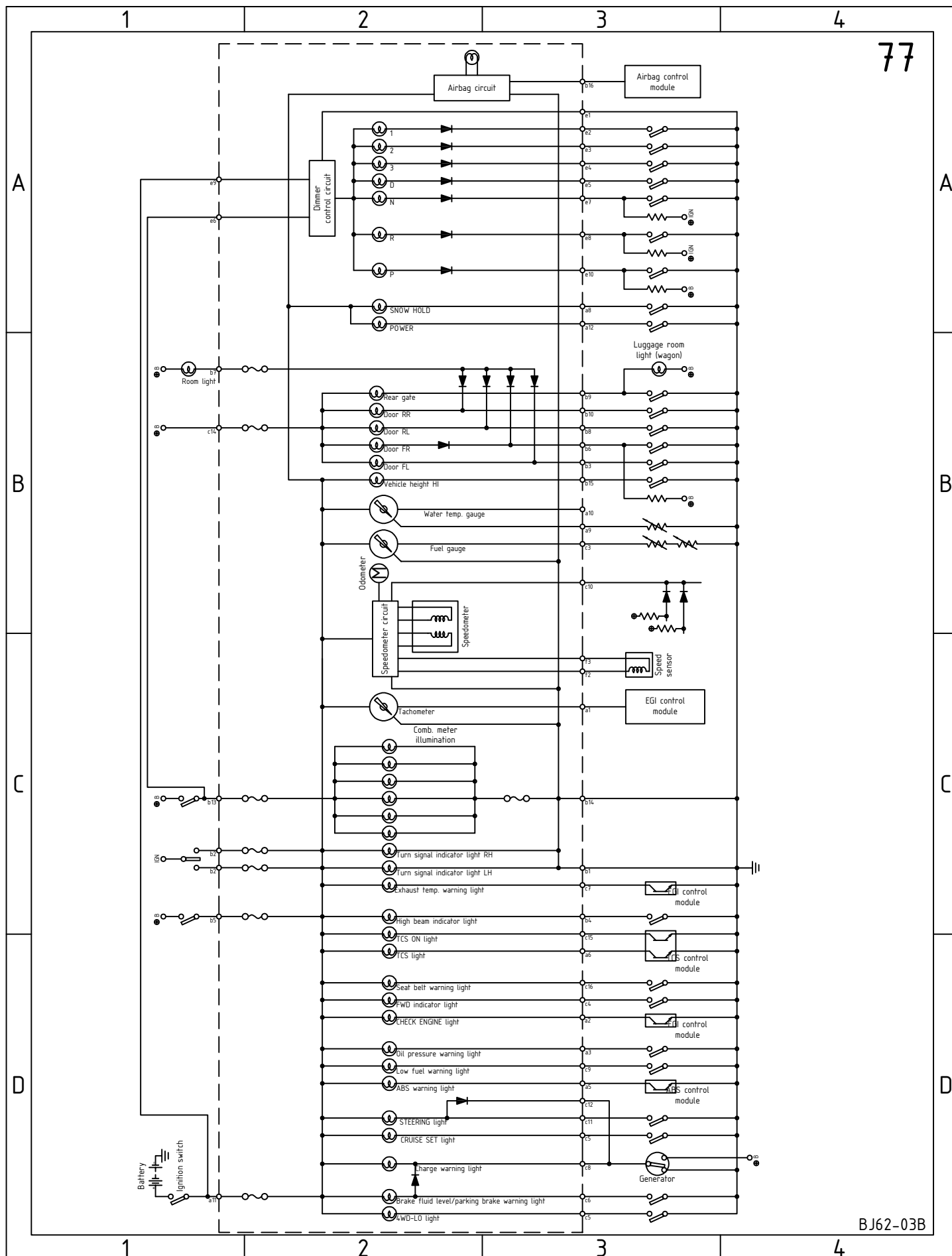
(31) Lighting circuit (position and illumination lights)



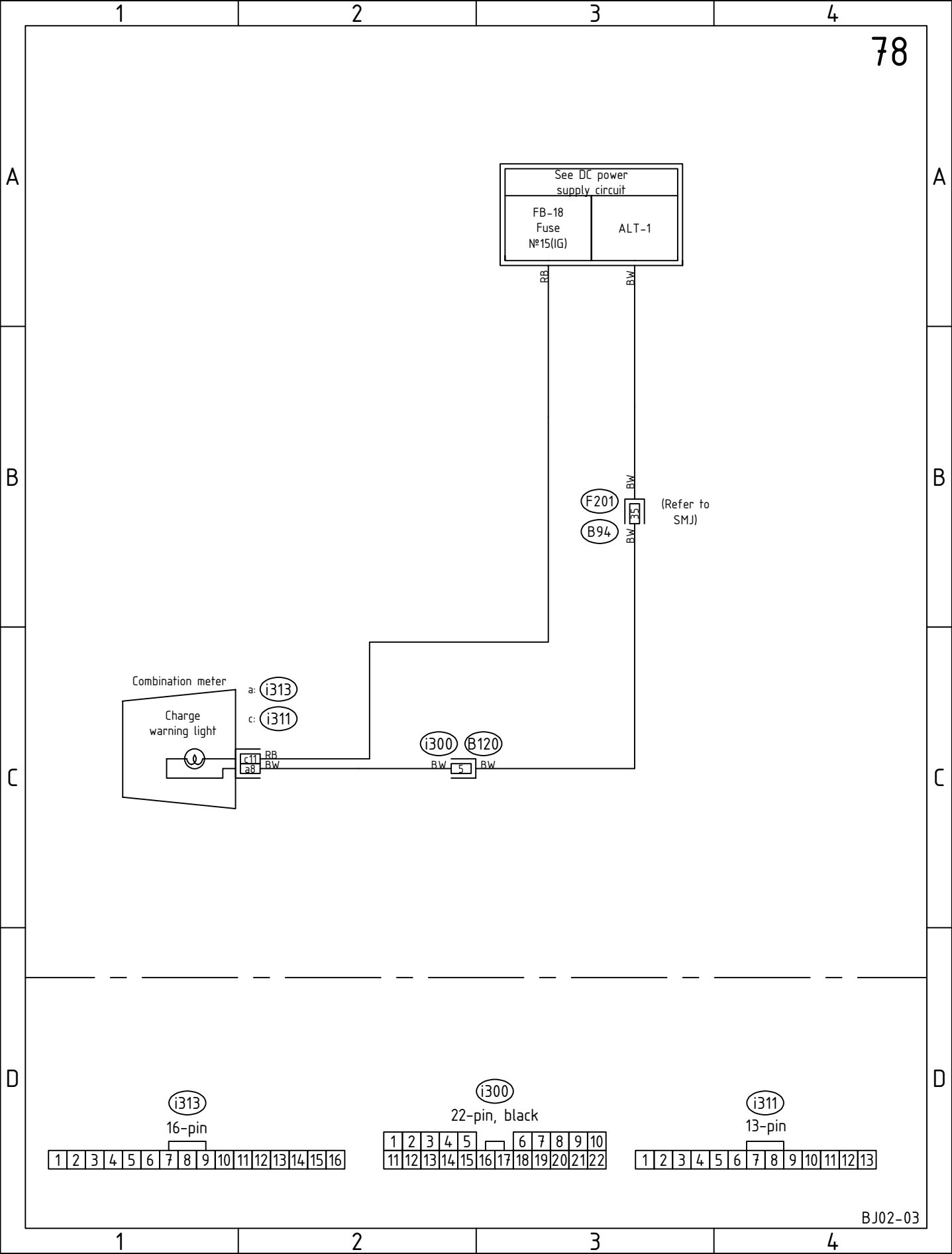
(32) Combination meter



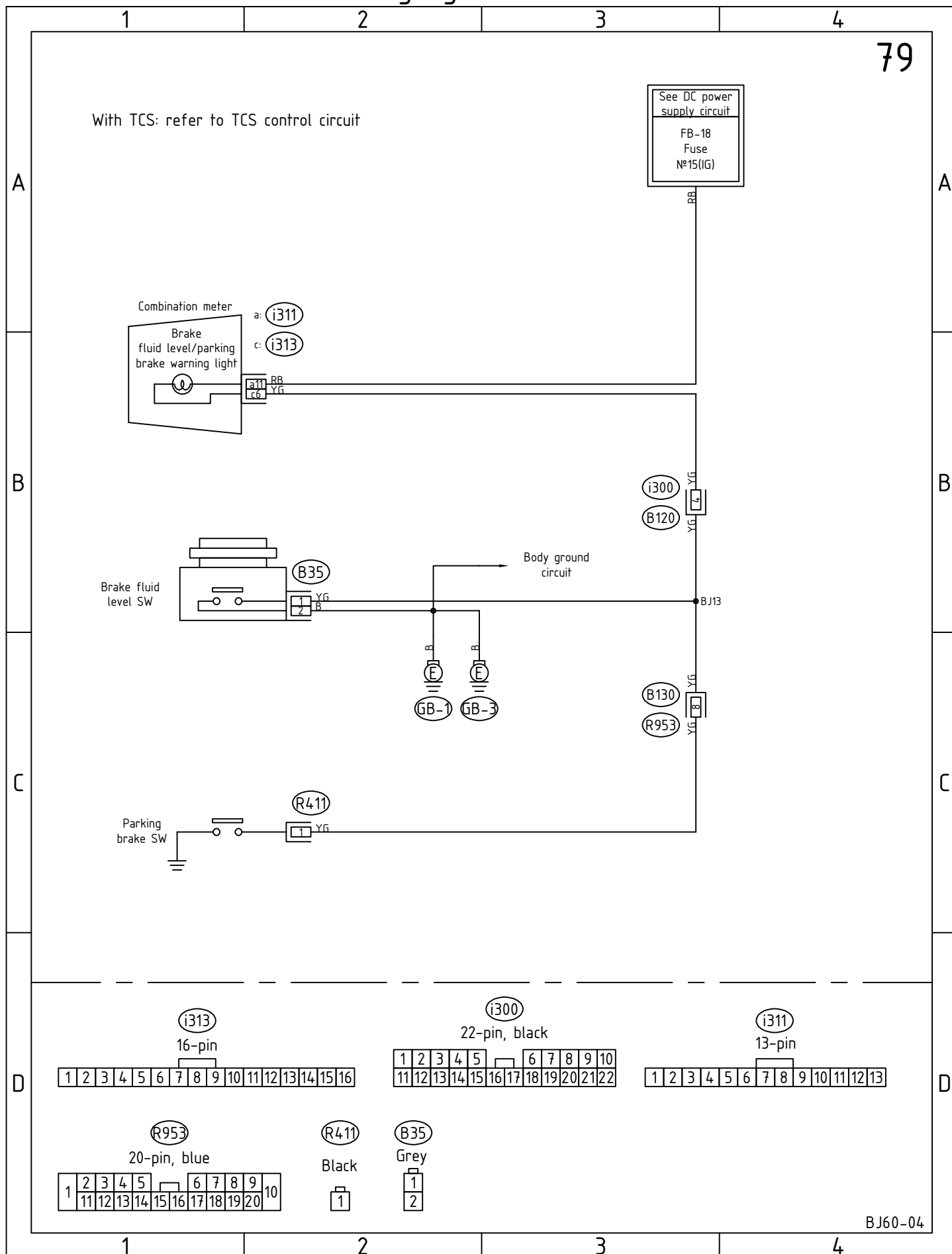
(32) Combination meter



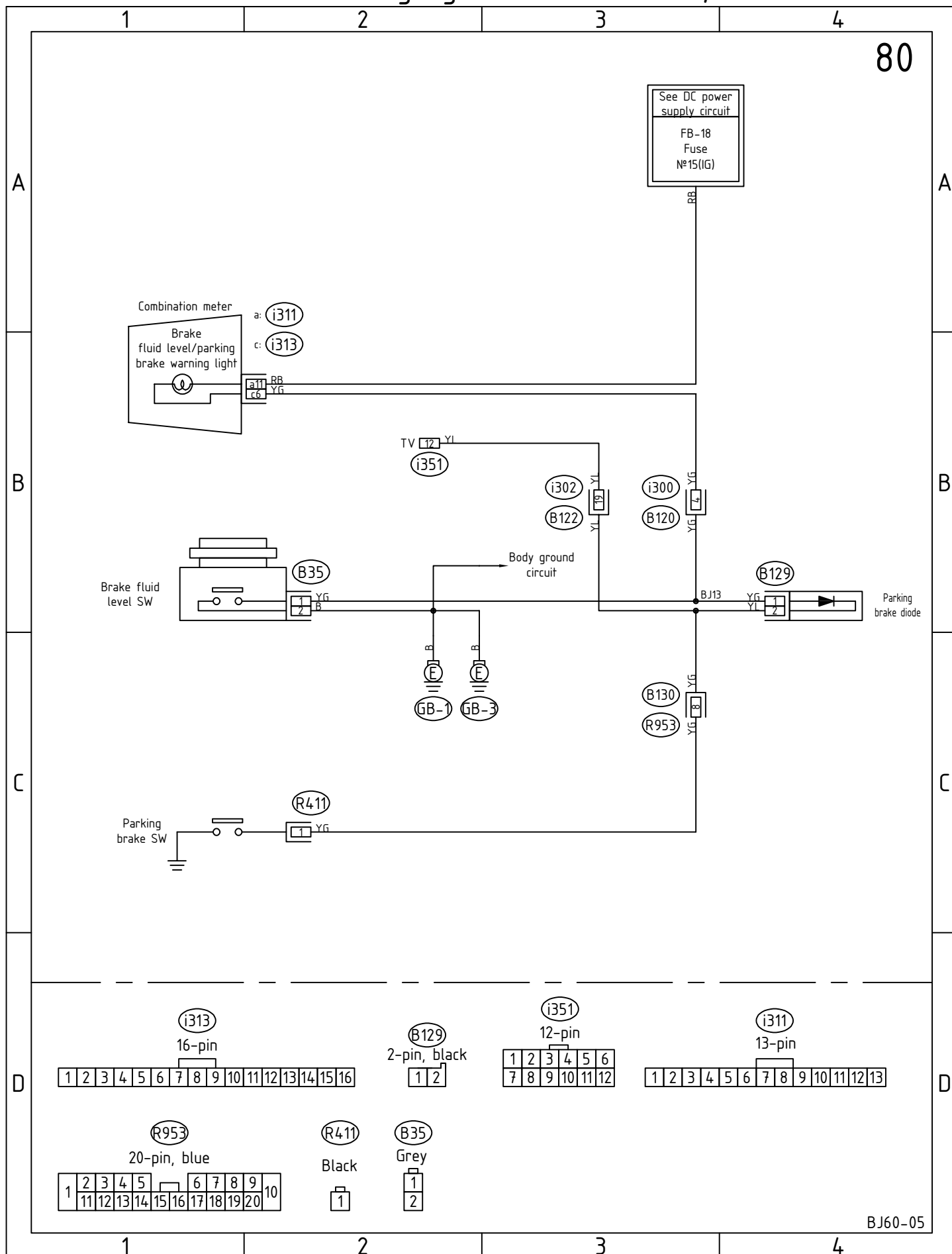
(33) Charge warning light circuit



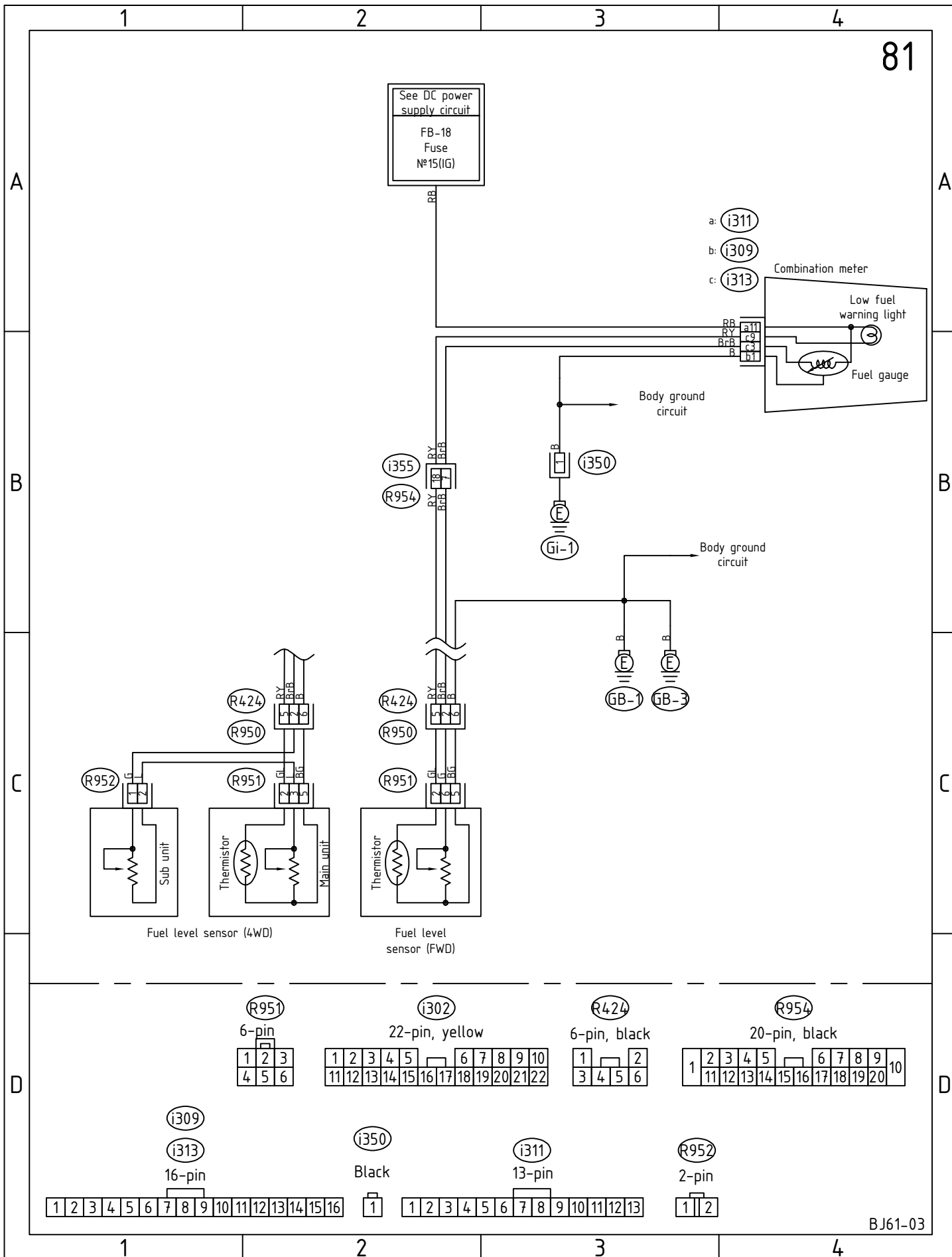
(34) Brake fluid level warning light circuit (without TCS)



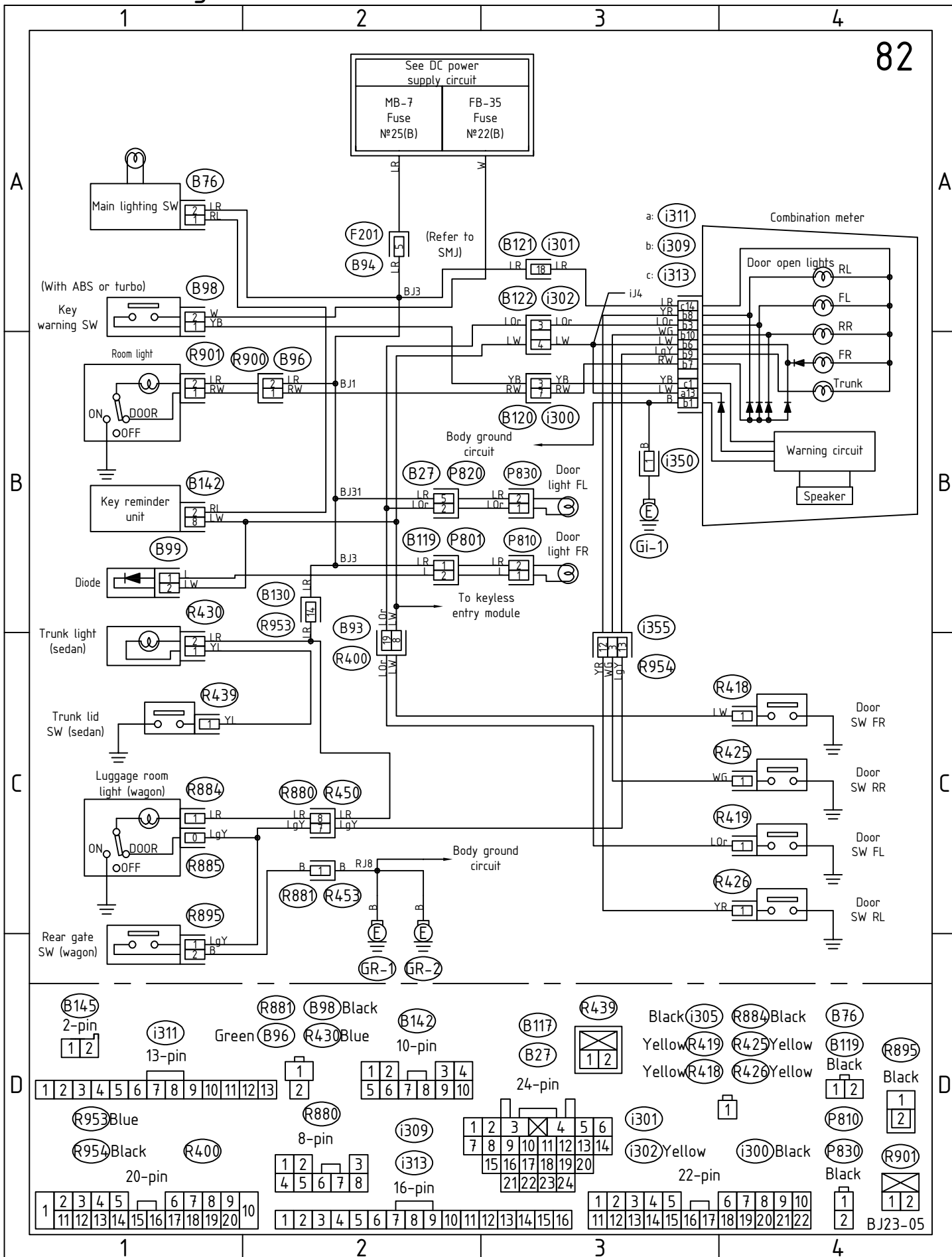
(35) Brake fluid level warning light circuit (with TV, NAVI)



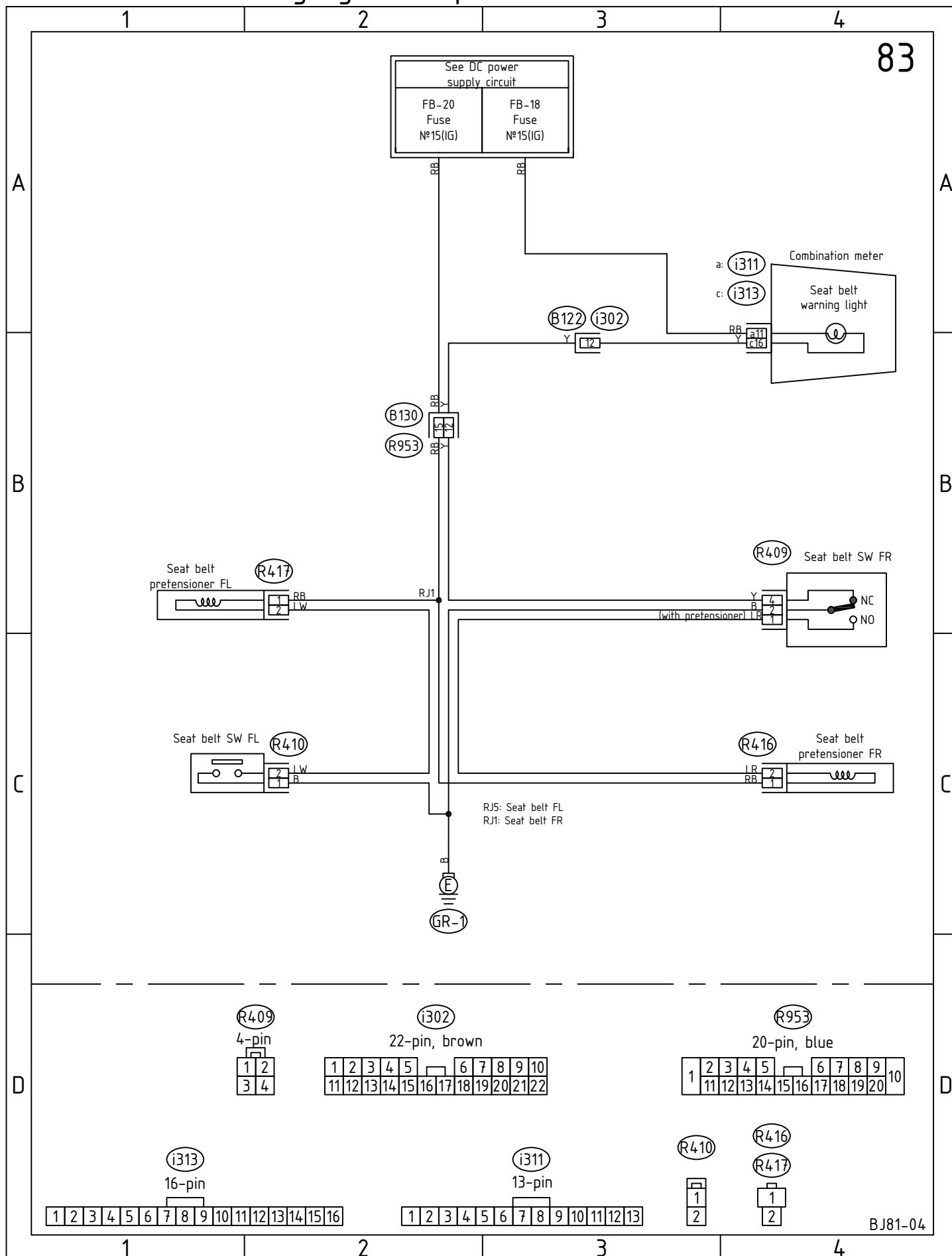
(36) Fuel level sensor circuit



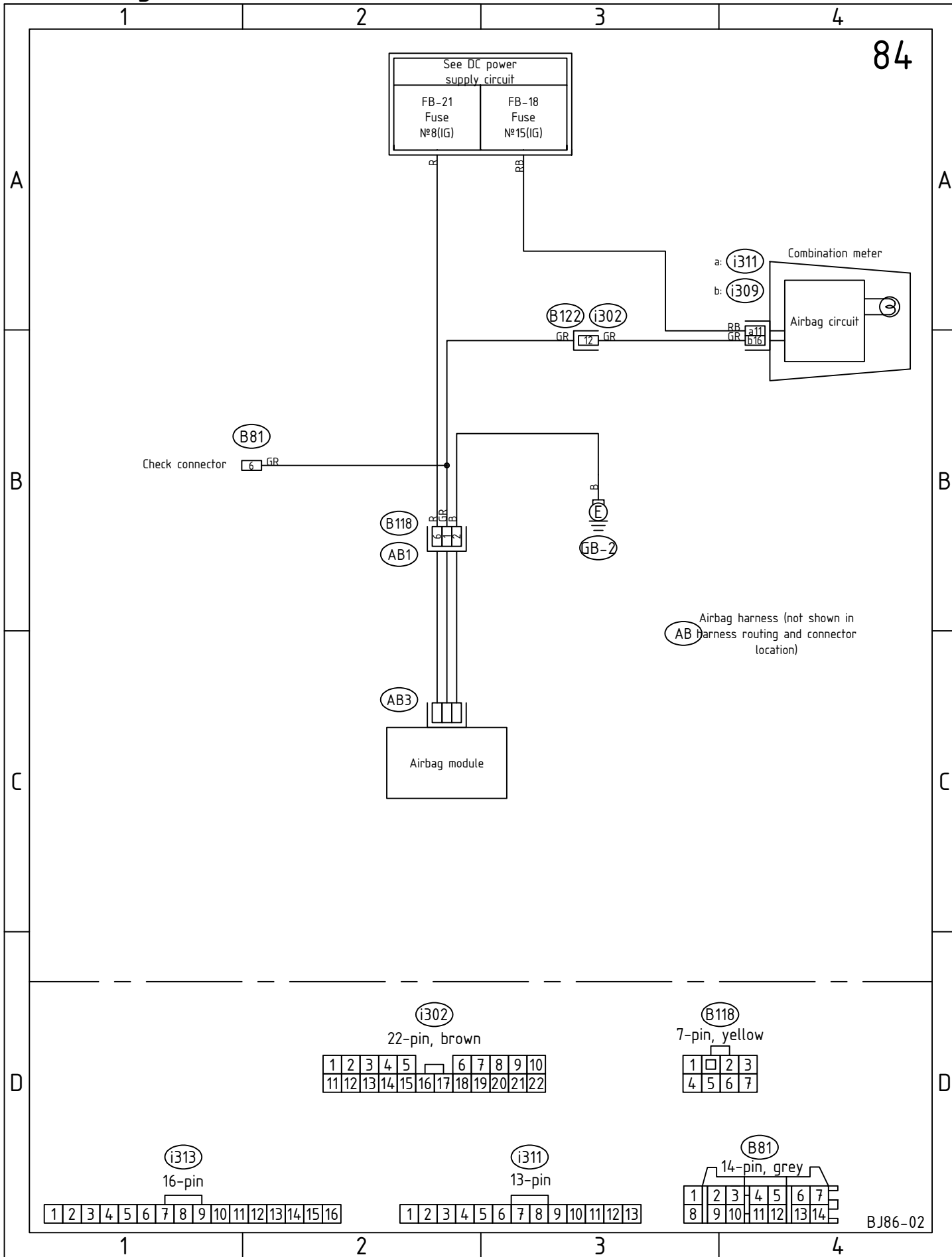
(37) Interior light circuit



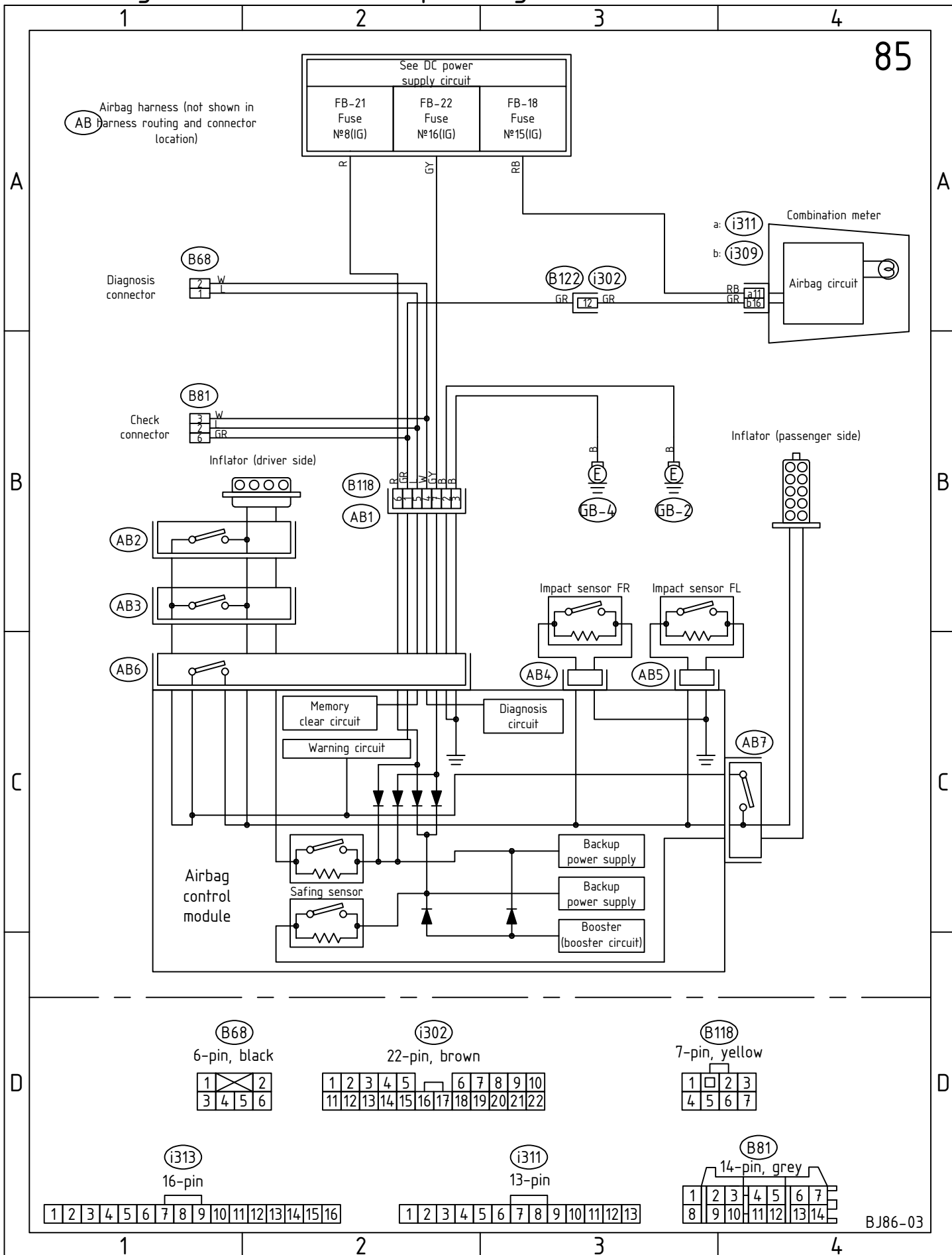
(38) Seat belt warning light and pretensioner circuit



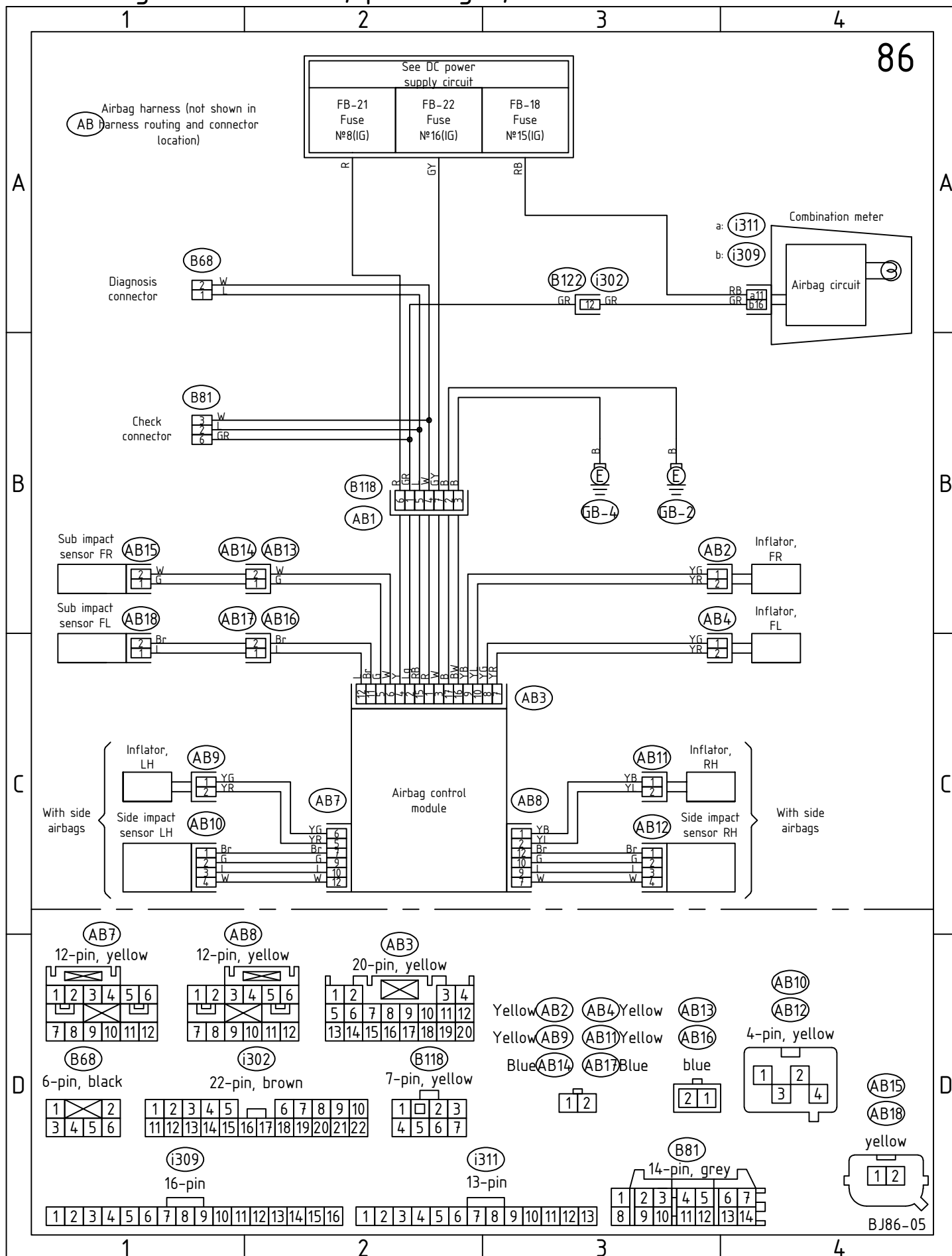
(39) Airbag circuit (driver)



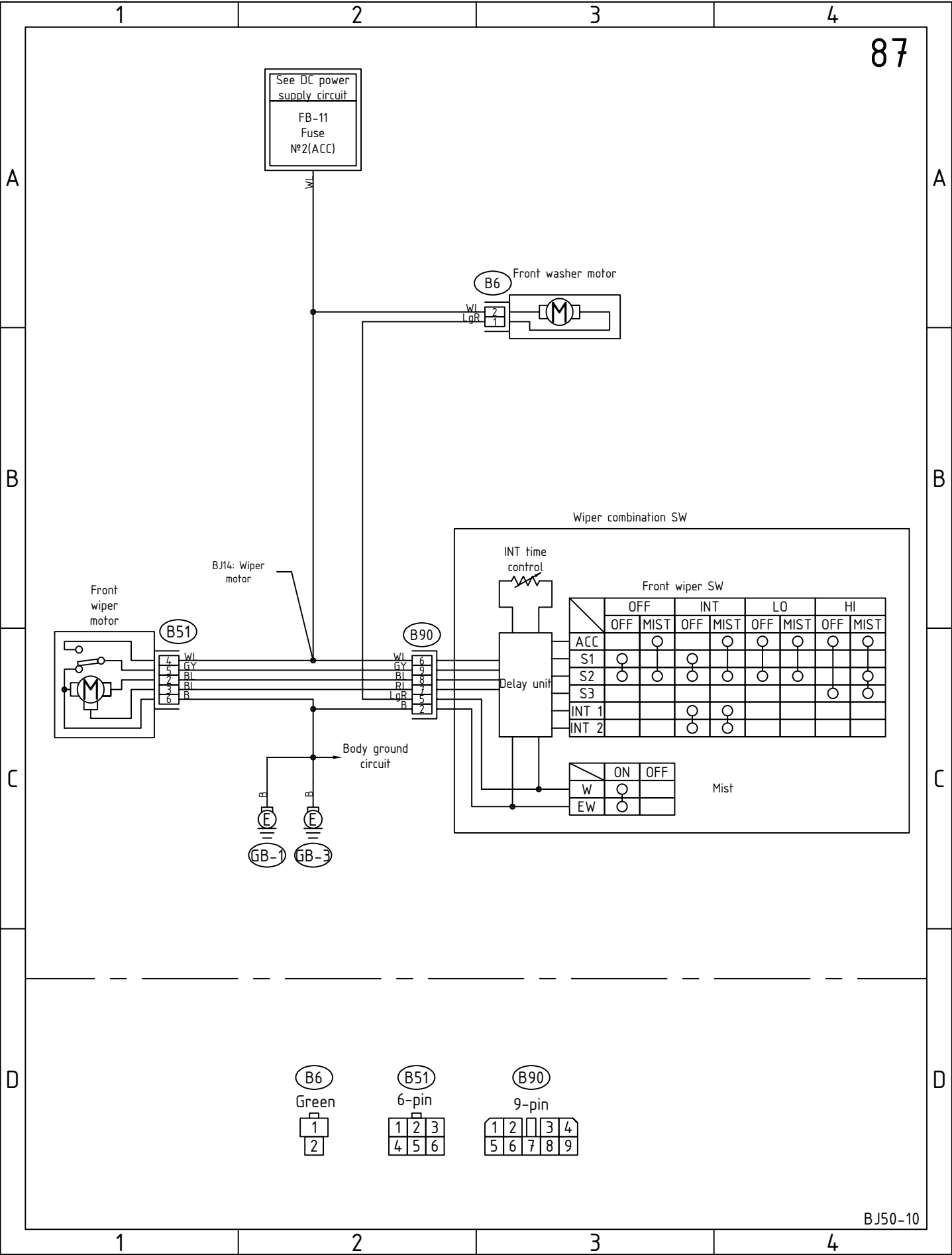
(40) Airbag circuit (driver and passenger)



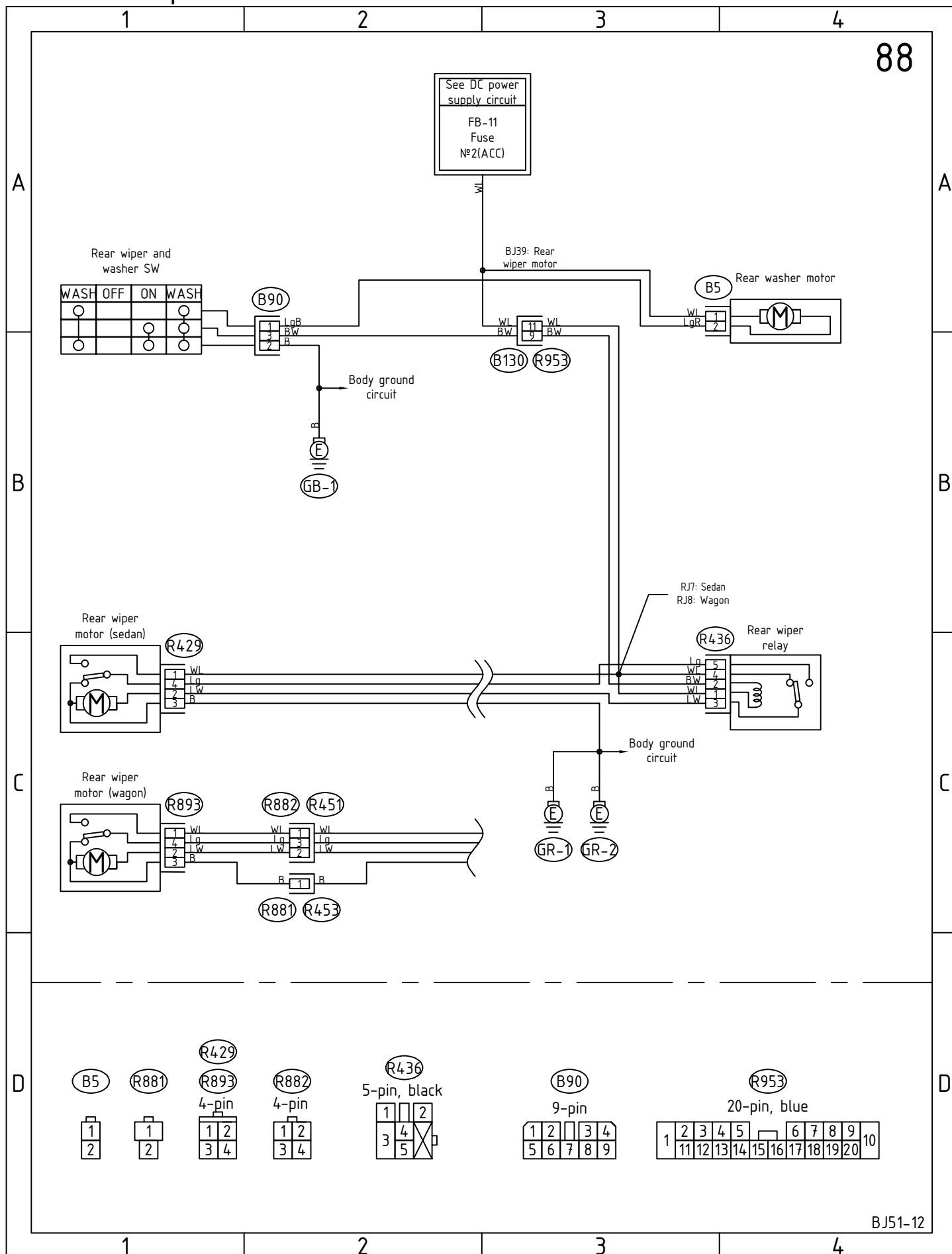
(41) Airbag circuit (driver, passenger, side)



(42) Front wiper and washer circuit

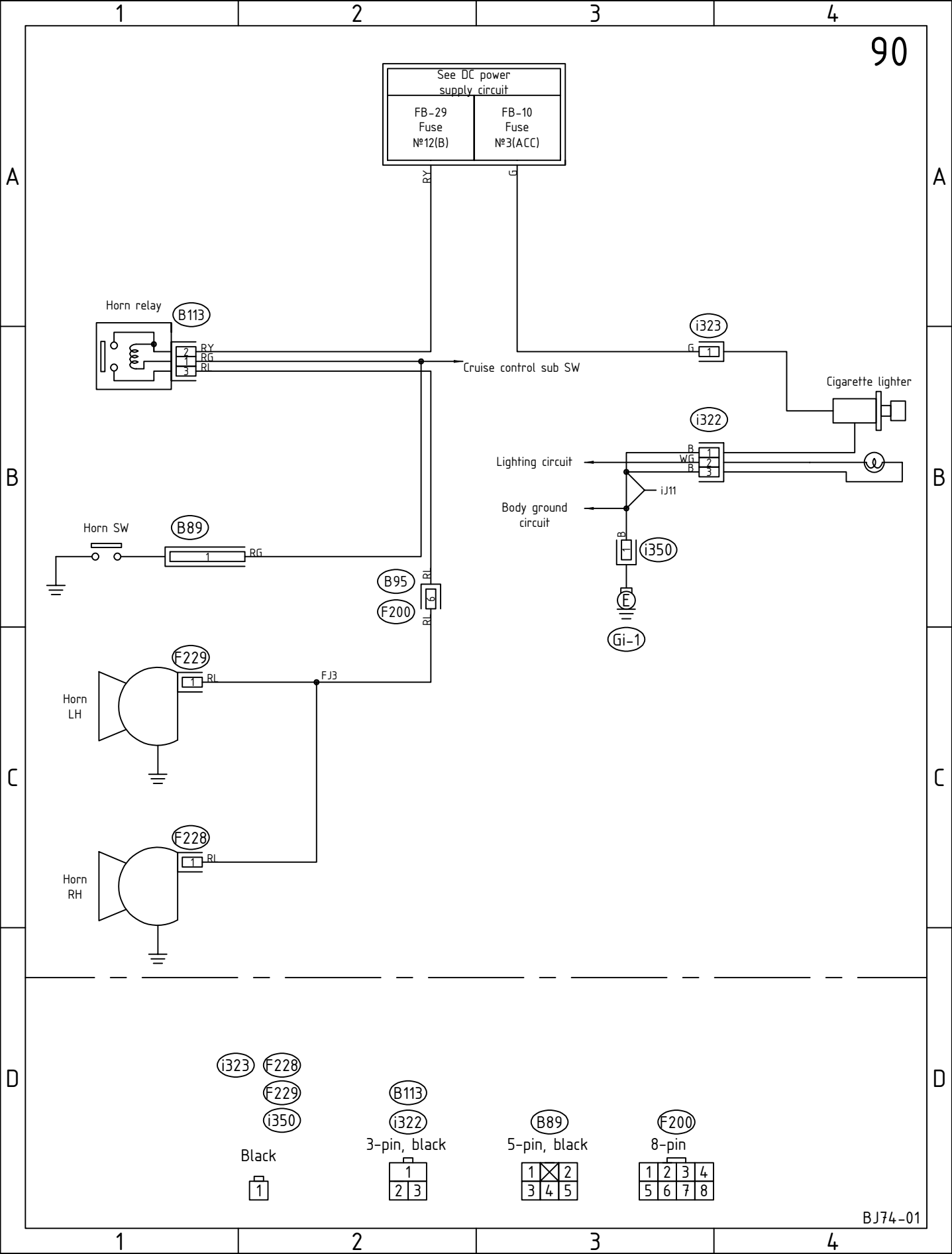


(43) Rear wiper and washer circuit (continuous)

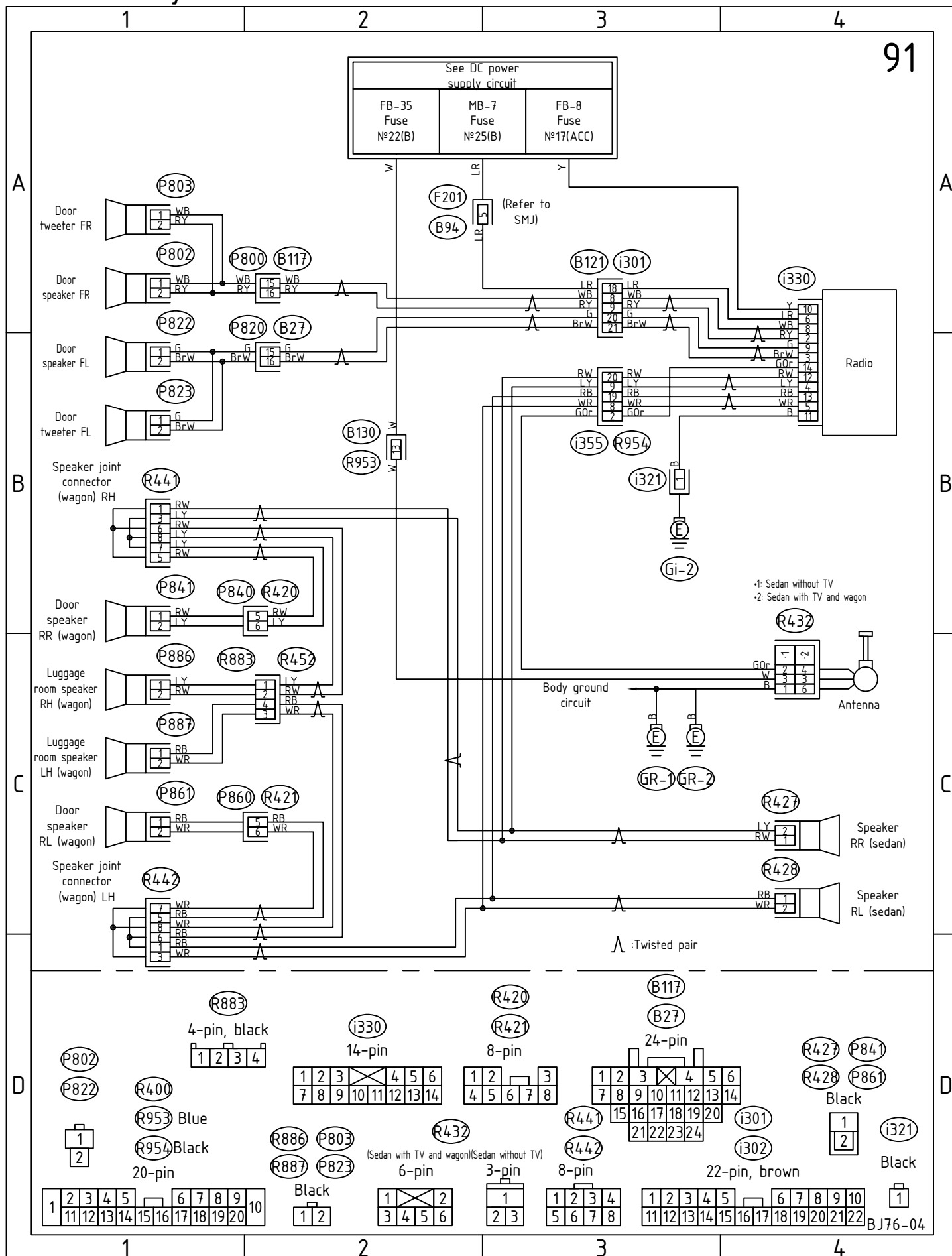


[illegible]

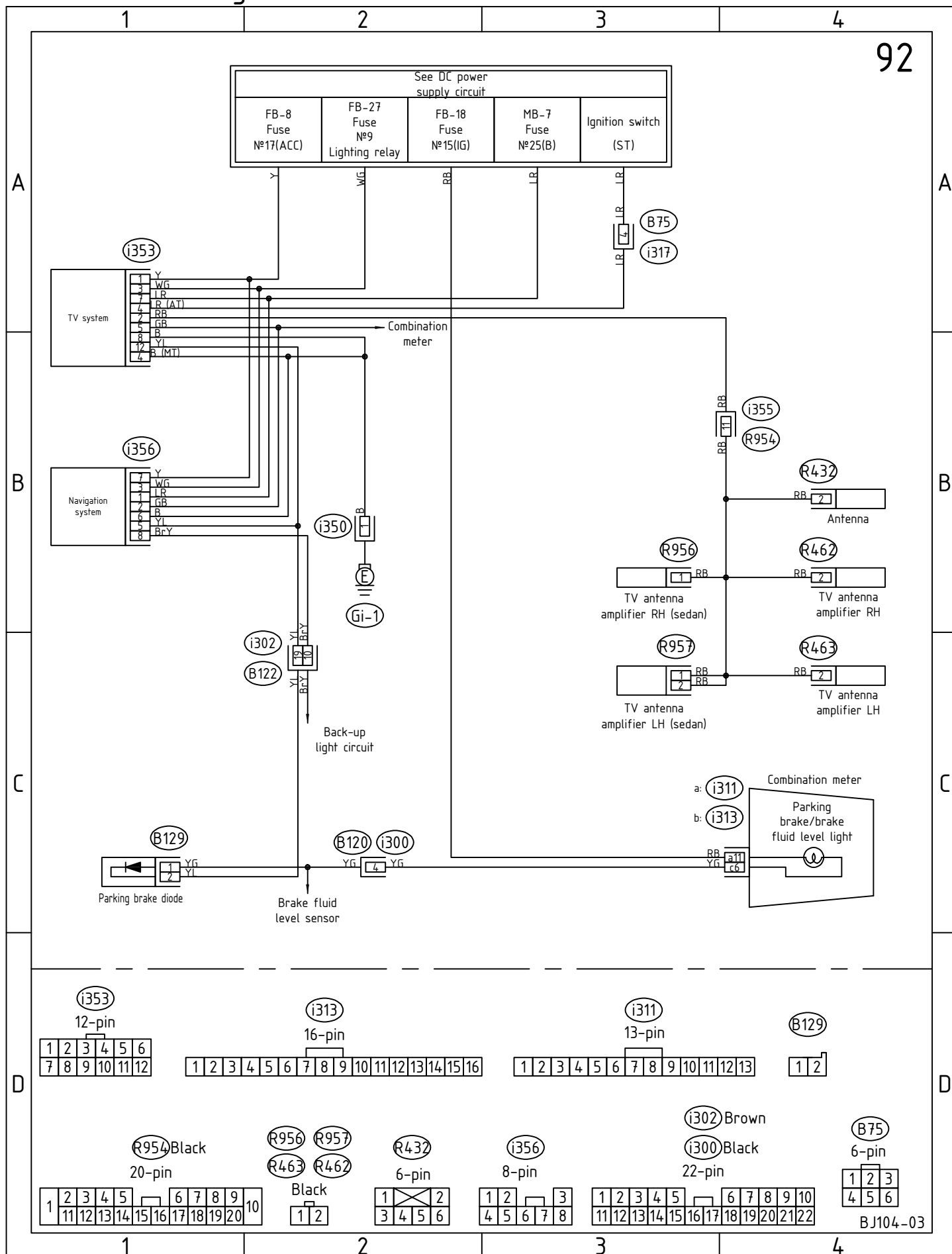
(45) Horn and cigarette lighter circuit



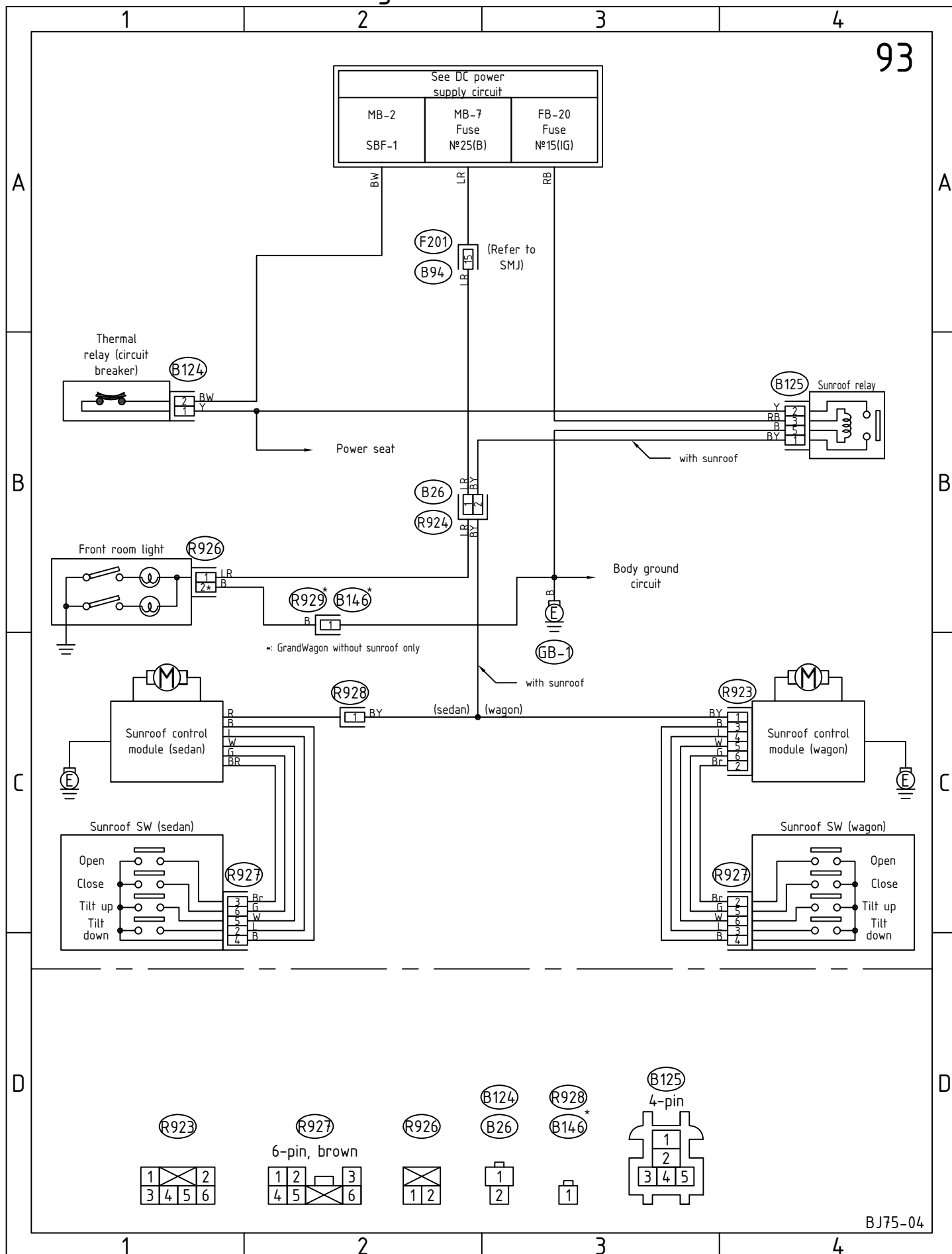
(46) Audio system circuit



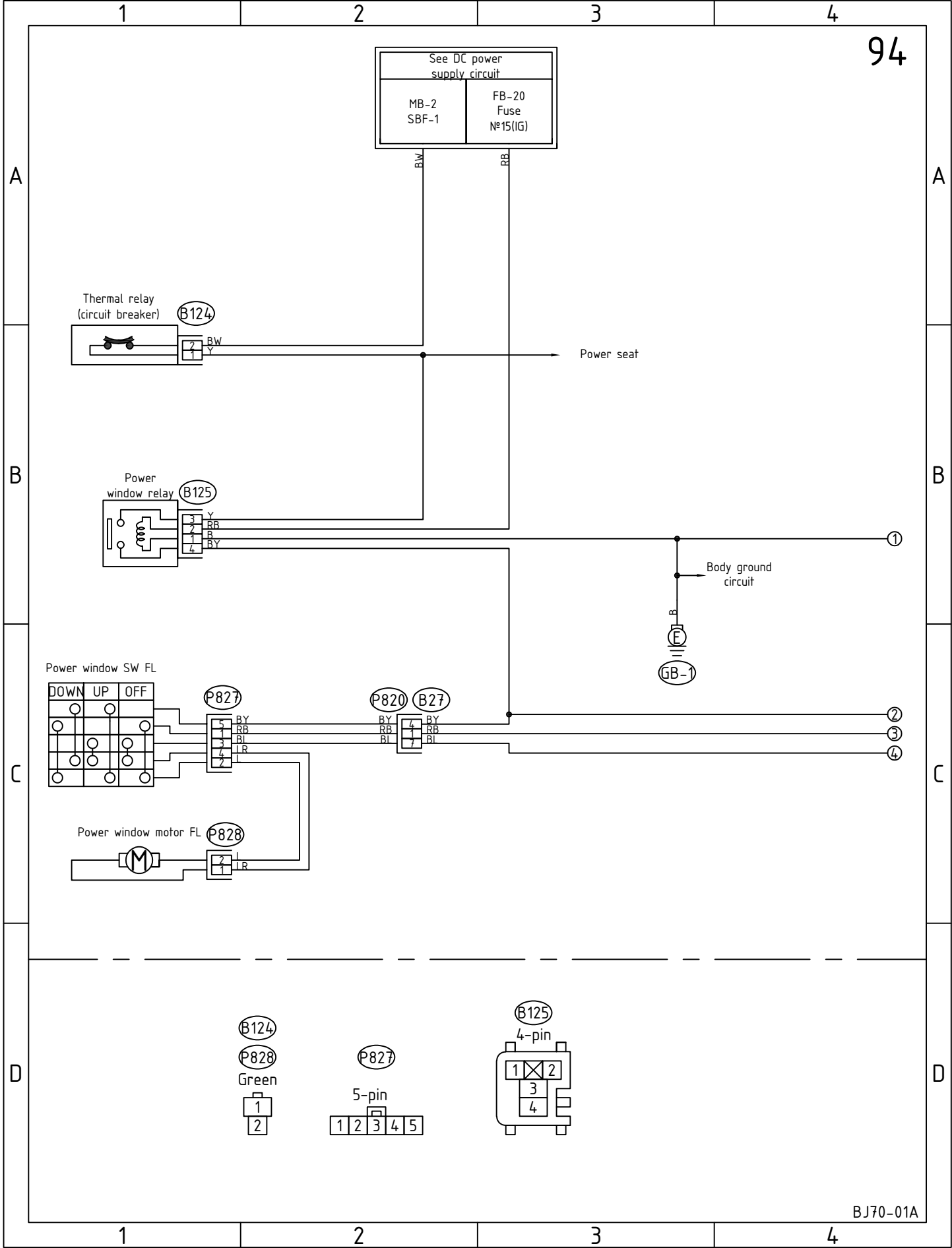
(47) TV and navigation circuit



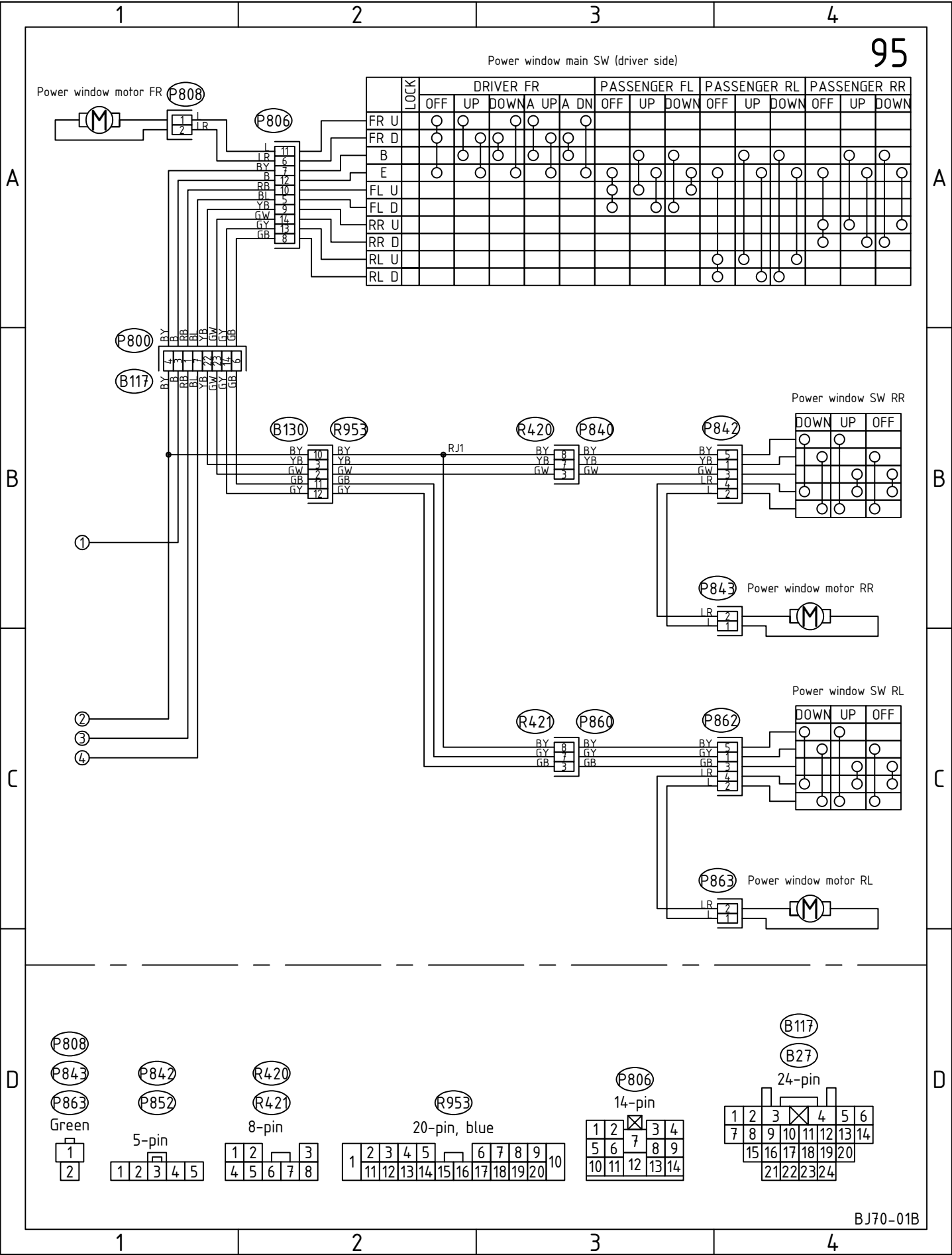
(48) Sunroof and interior light circuit



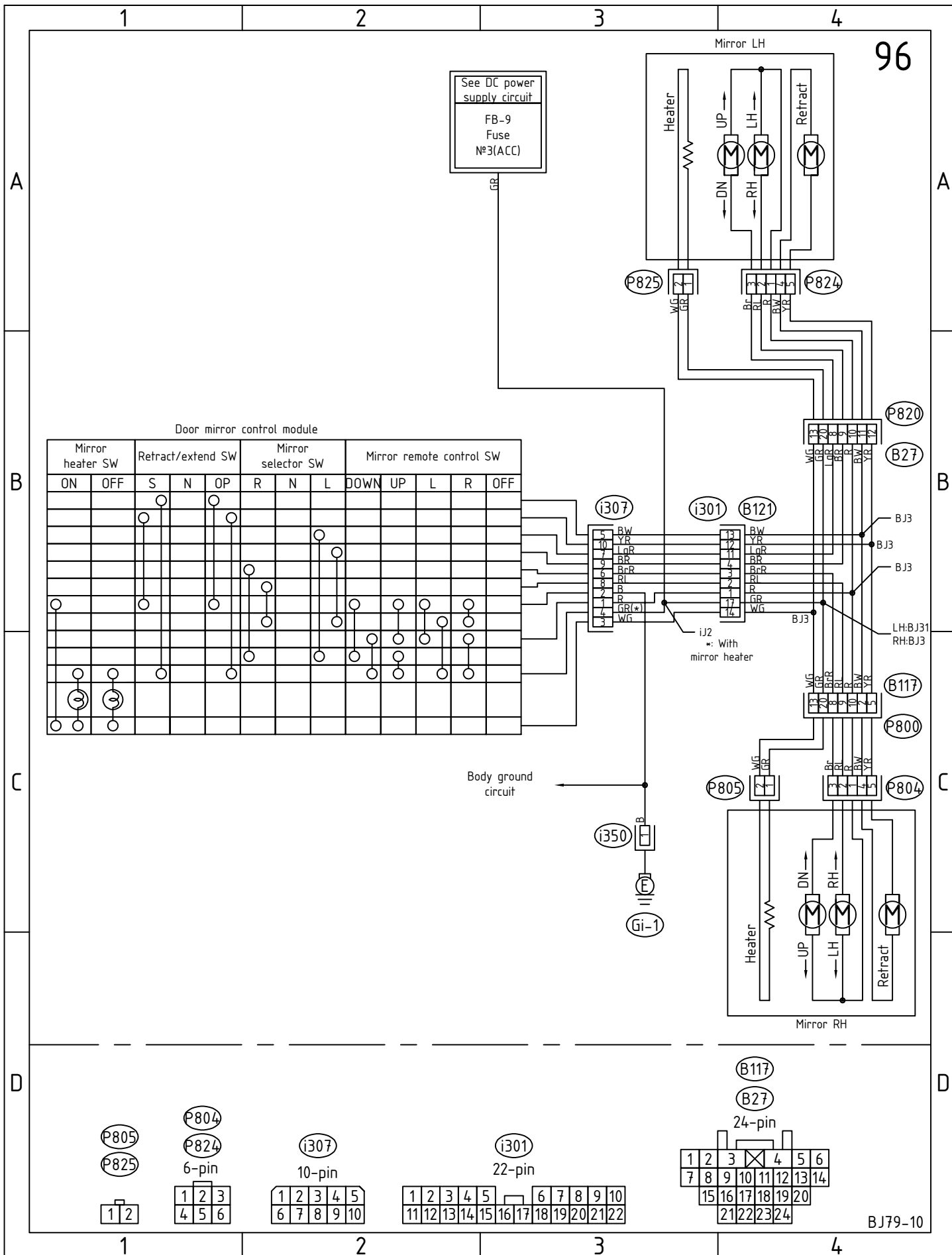
(49) Power window circuit



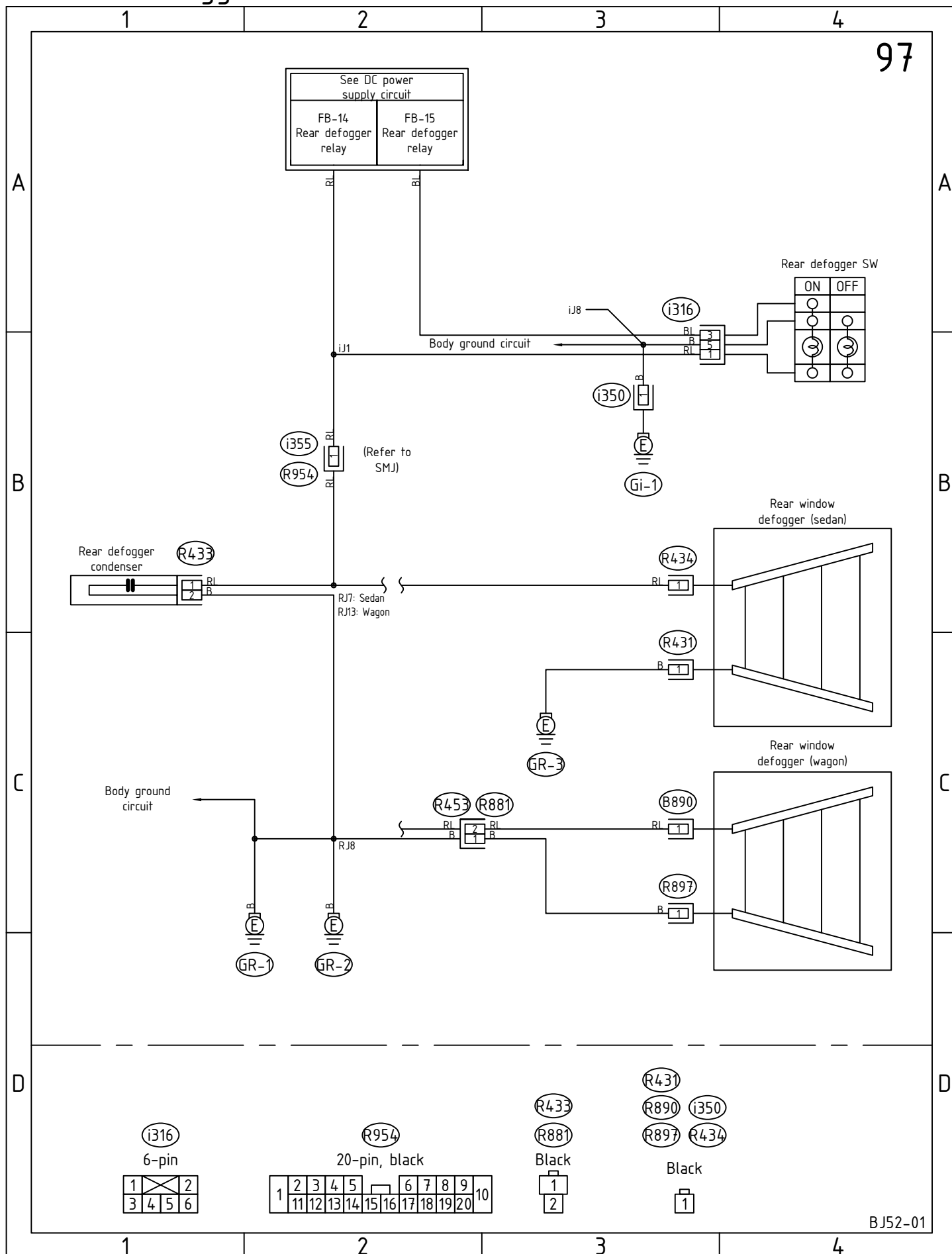
(49) Power window circuit



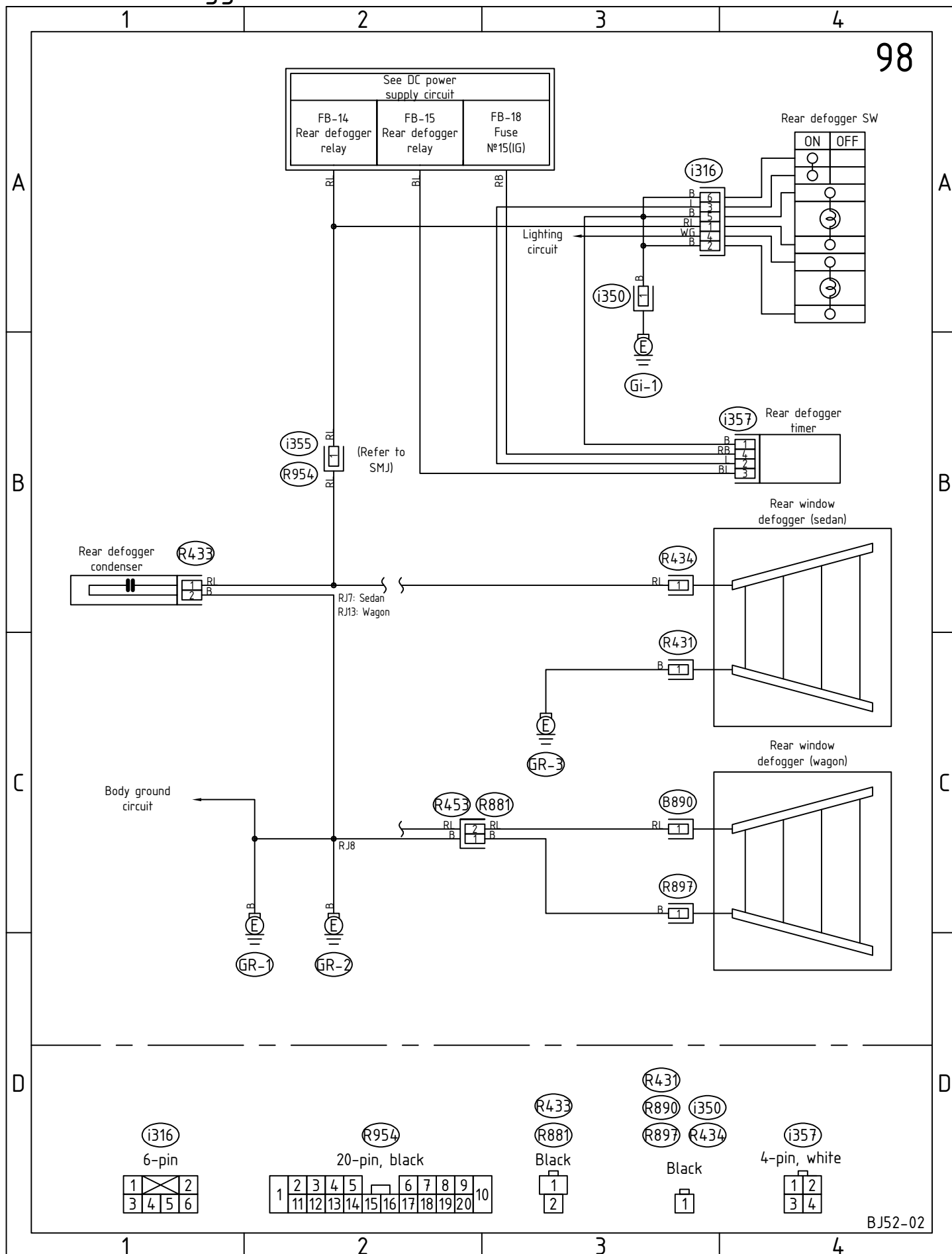
(50) Door mirror circuit



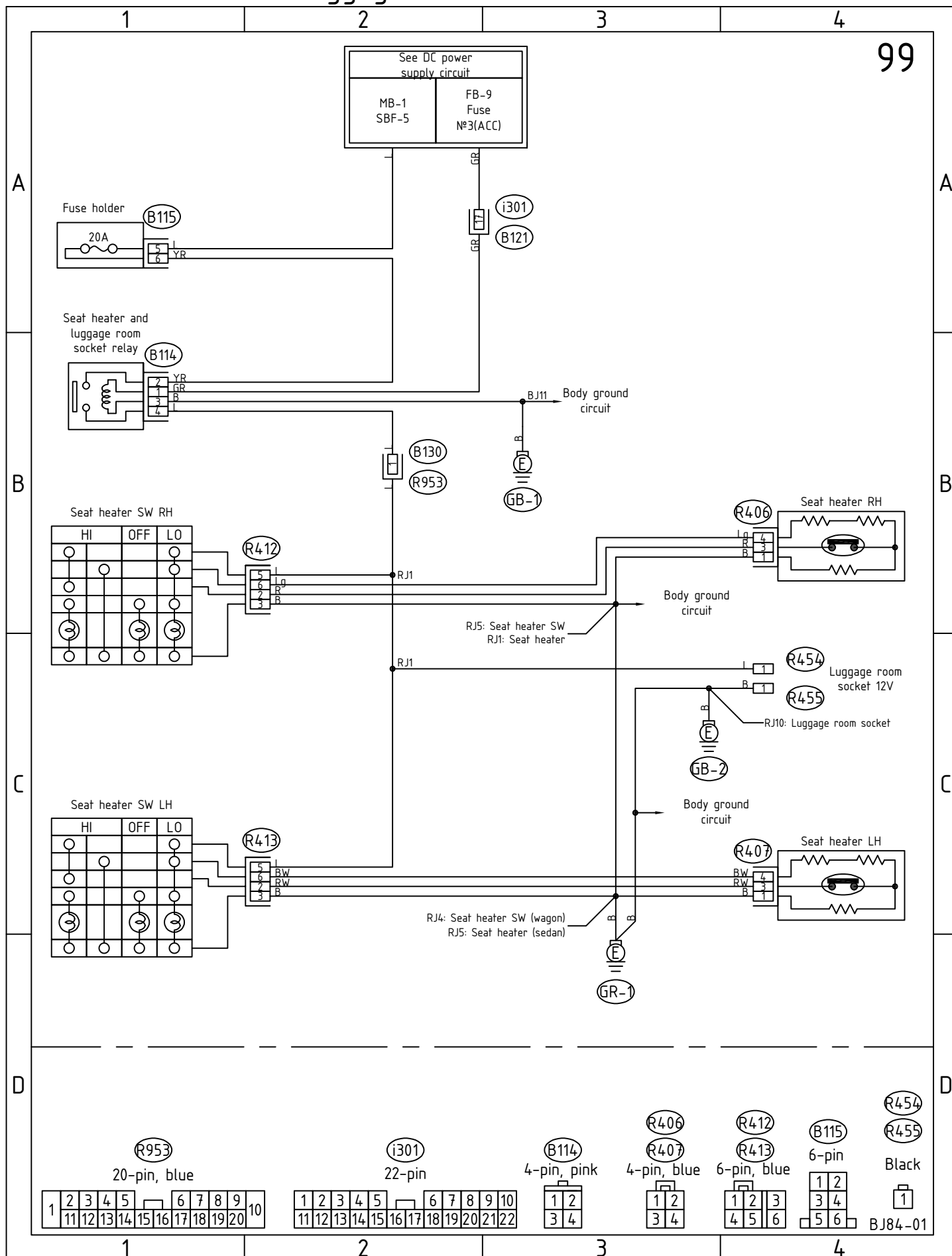
(51) Rear defogger circuit (without timer)



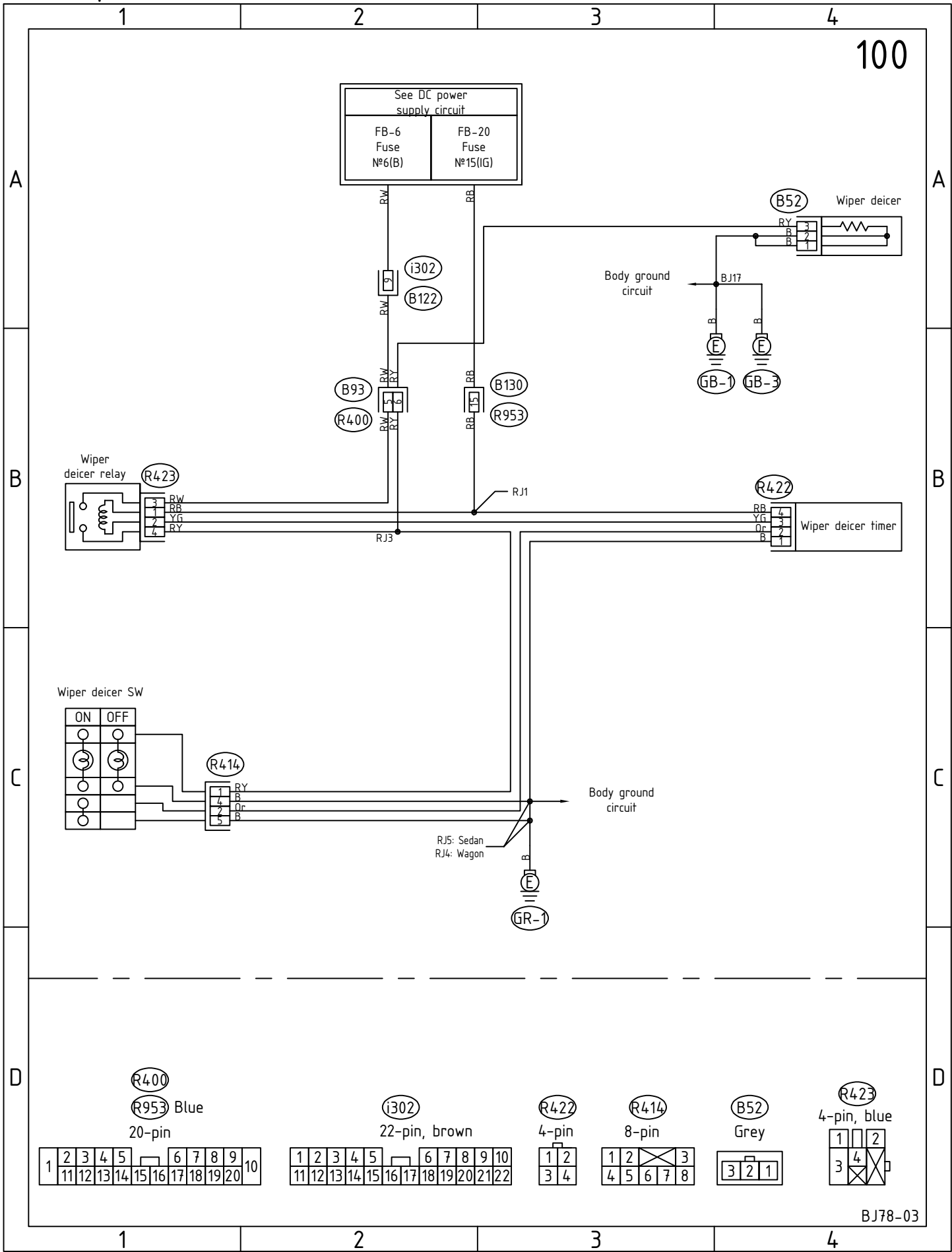
(52) Rear defogger circuit (with timer)



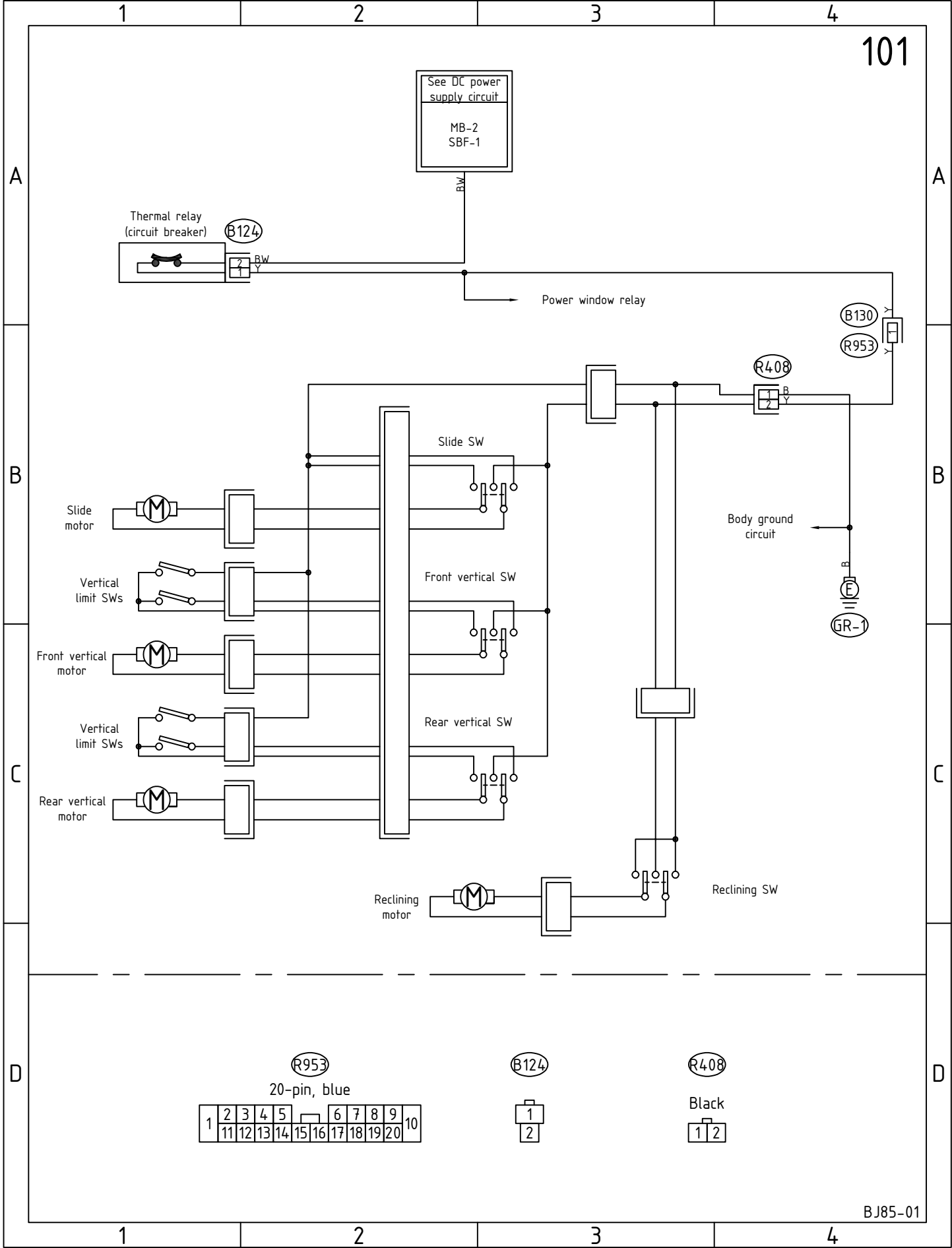
(53) Seat heater and luggage room socket circuit



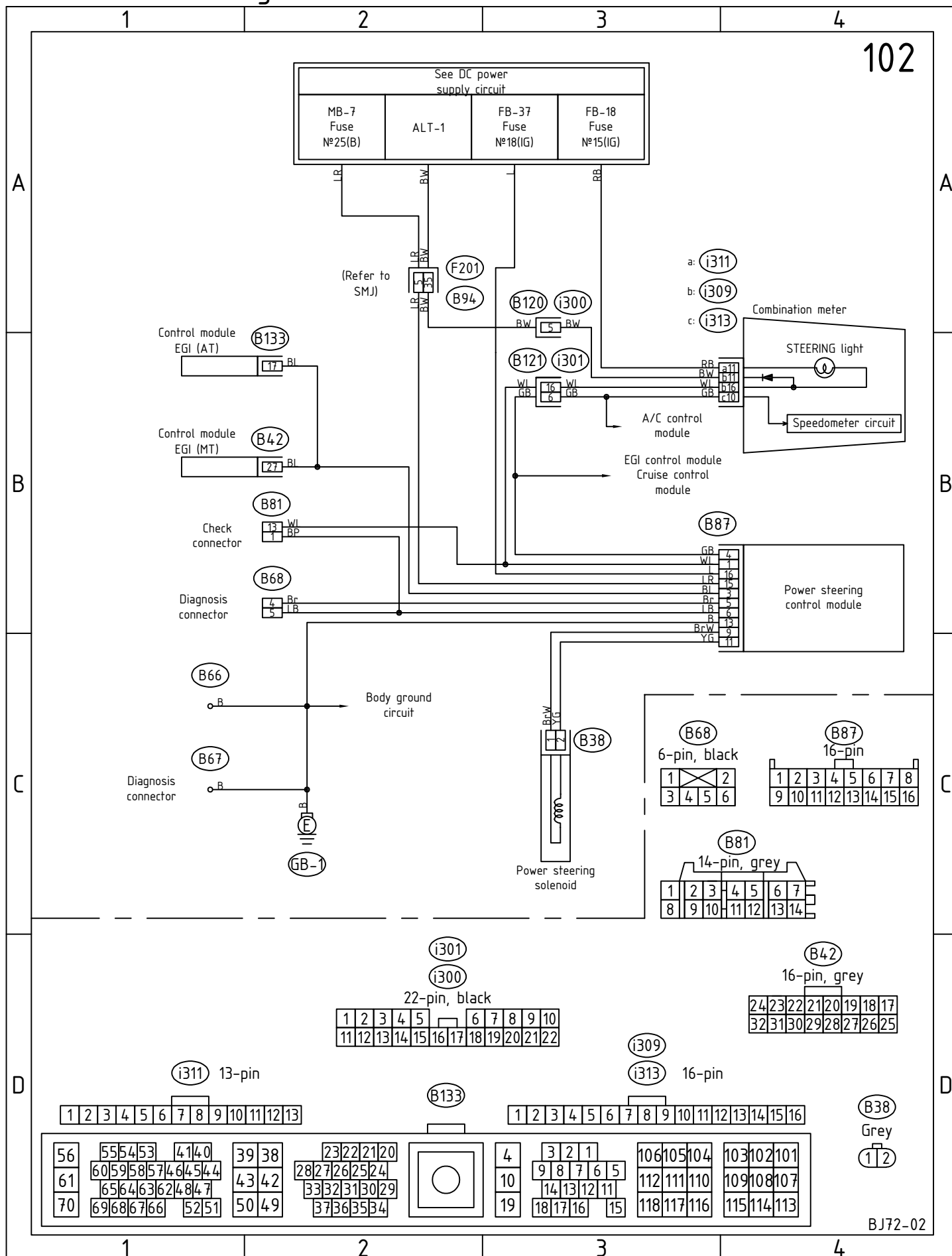
(54) Wiper deicer circuit



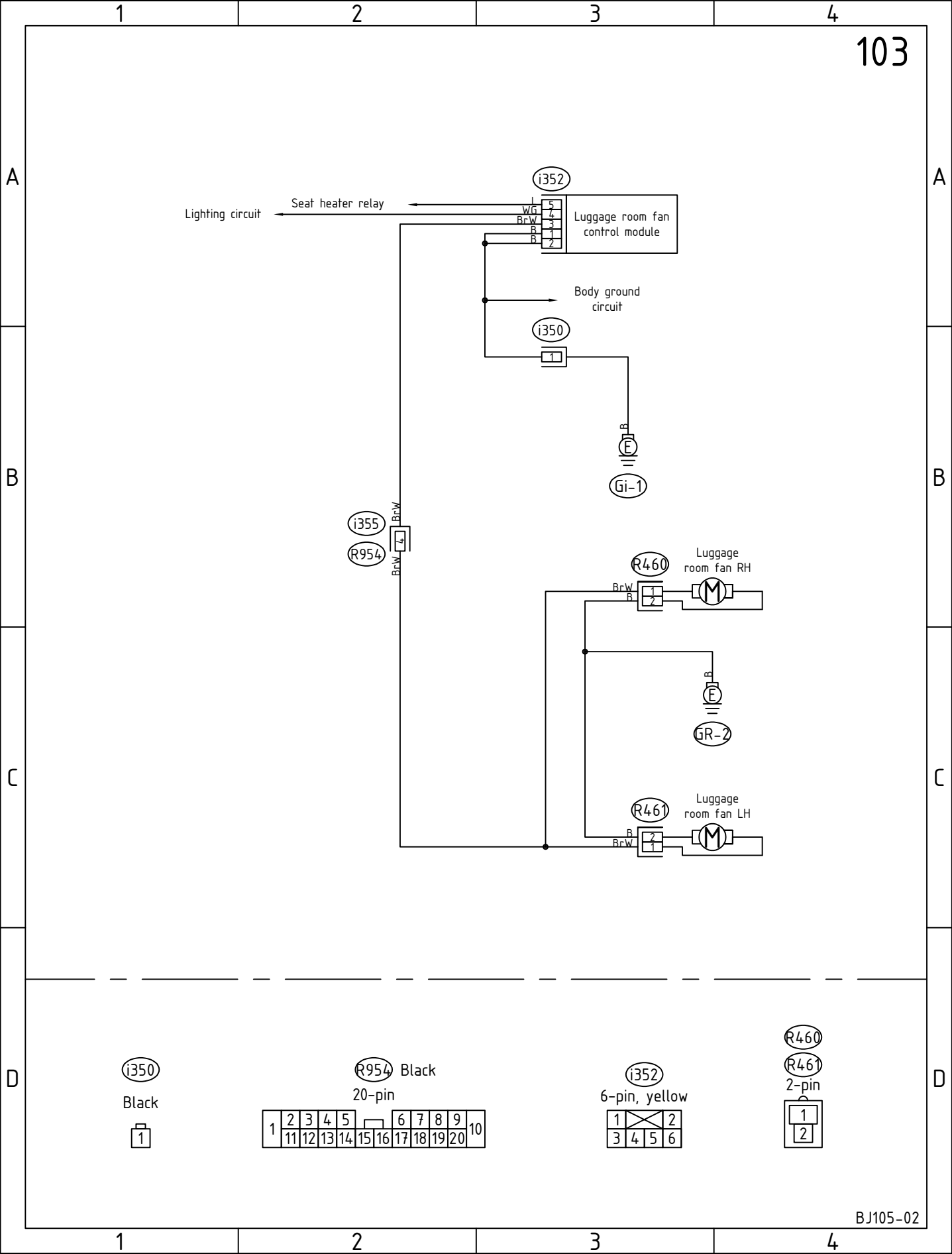
(55) Power seat circuit



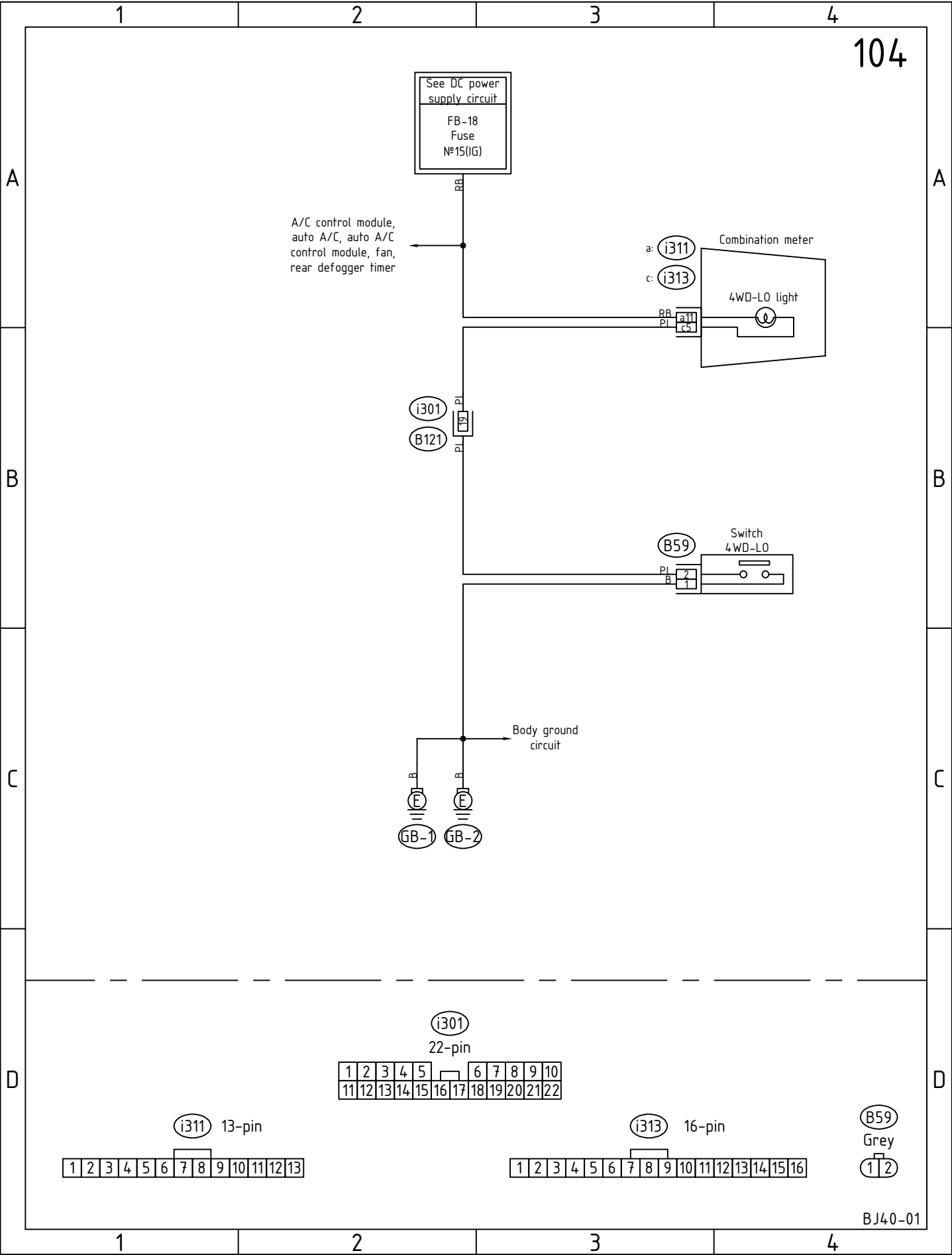
(56) Power steering circuit



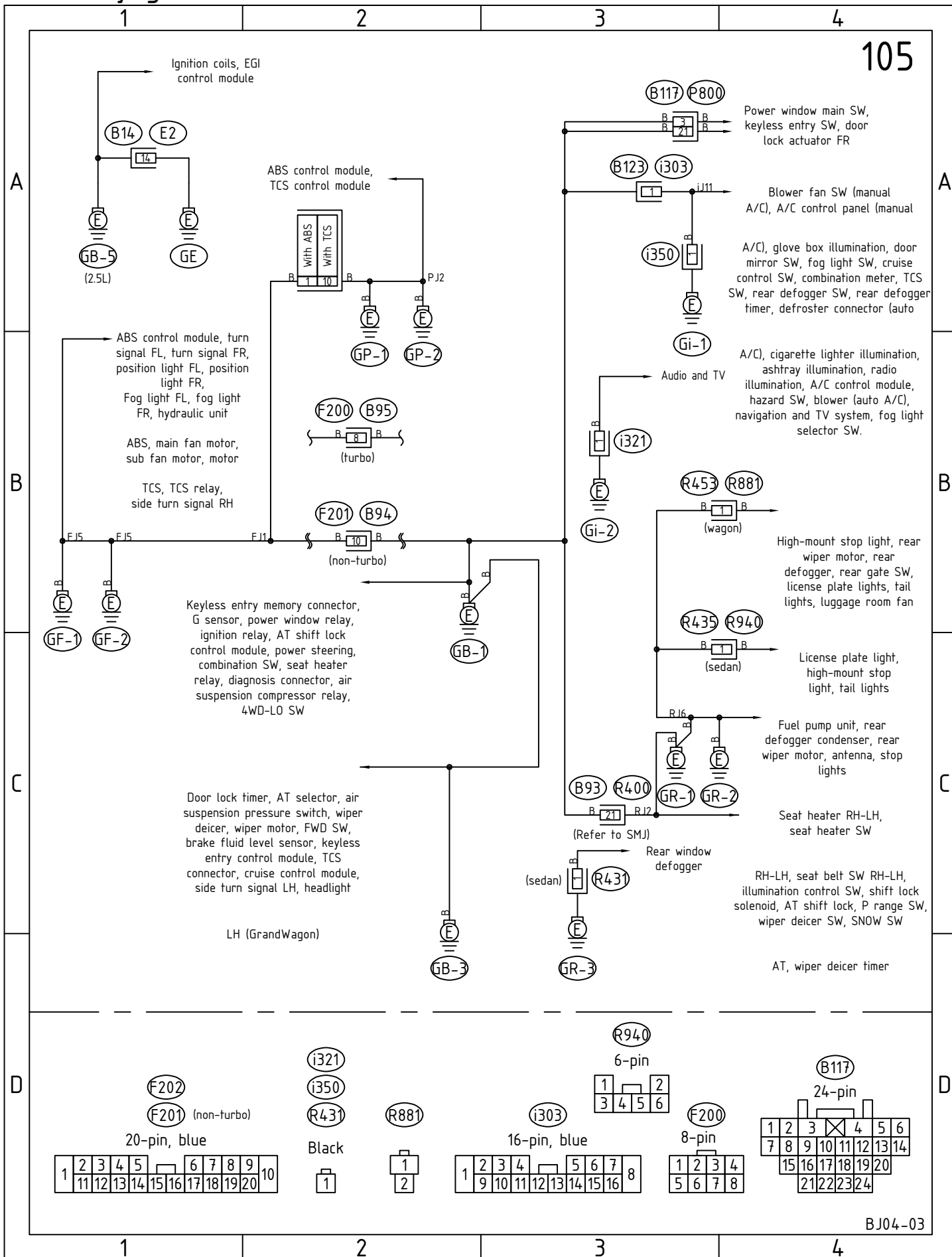
(57) Luggage room fan circuit (GrandWagon)



(58) 4WD-Lo circuit



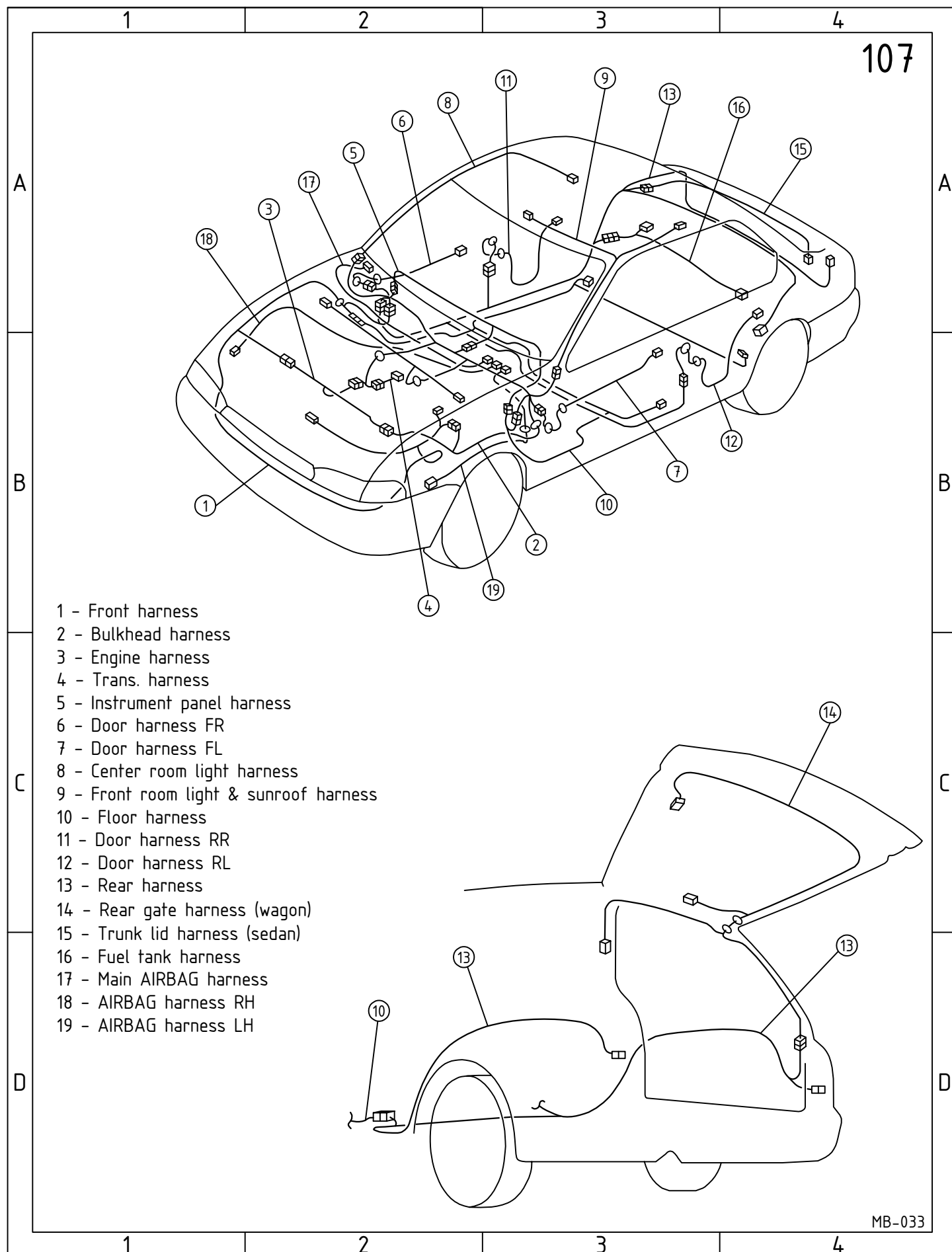
(59) Body ground circuit



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

3. Harness routing and connector location

General view



7



(1) Front harness

1	Connector			Mating conn. No.	Name of connected component or harness	Connector			Mating conn. No.	Name of connected component or harness	1
	Nº	No. of term.	Colour			Nº	No. of term.	Colour			
	F200	8		B95	Bulkhead harness	F234	2	Grey		A/C pressure SW	
	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	
	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							

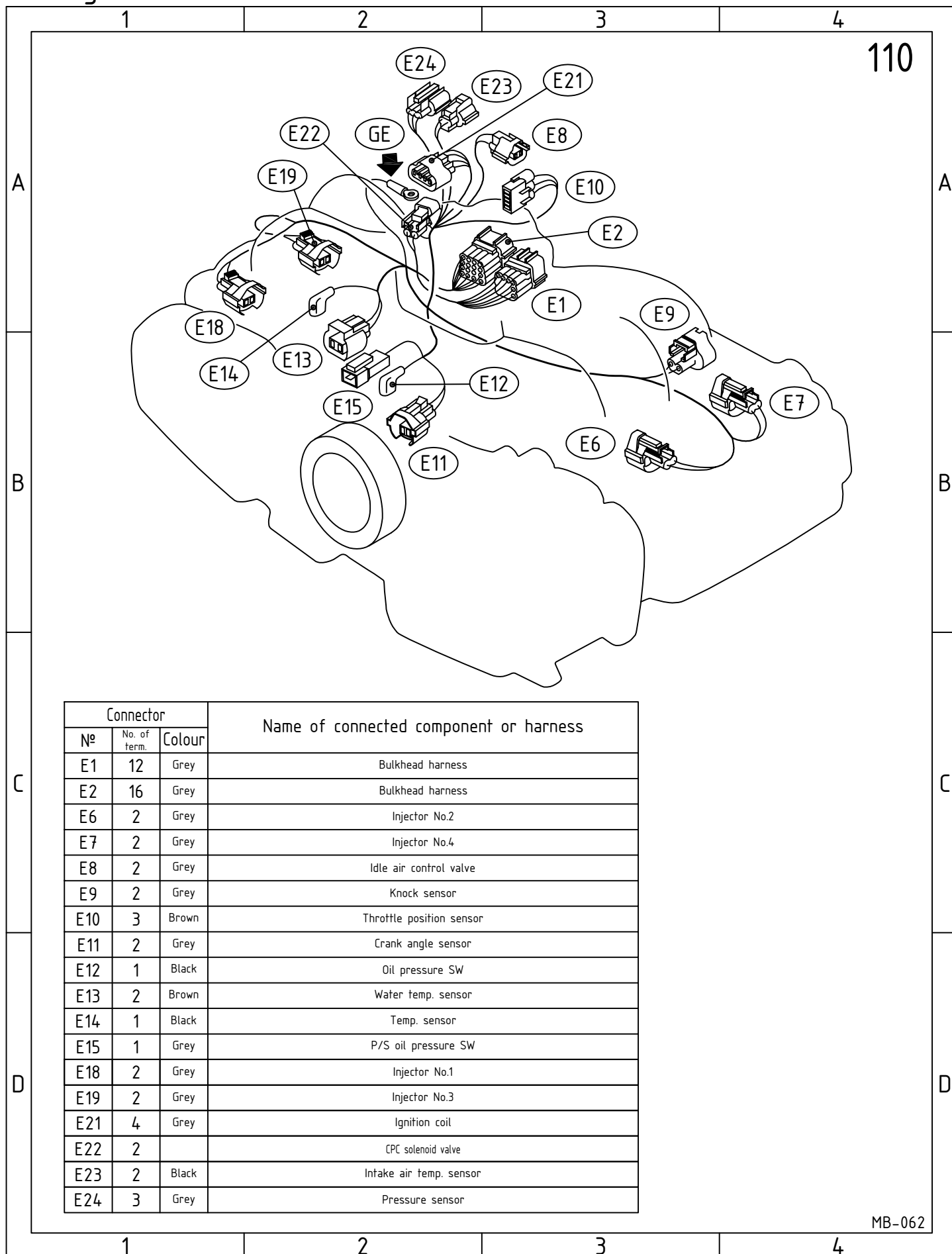
2	F214	1	Black		A/C magnet clutch						2
	F215	2	Blue		A/C thermal protector						
	F216	2			Side turn signal RH						
	F217	2	Grey		Front turn signal RH						
	F218	2	Grey		Front turn signal LH						
	F219	2			Fog RH						
	F220	2			Fog LH						
	F223	3	Black		Main fan motor						
	F224	3	Black		Sub 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						

3	Connector			Mating conn. No.	Name of connected component or harness	Connector			Mating conn. No.	Name of connected component or harness	3
	Nº	No. of term.	Colour			Nº	No. of term.	Colour			
	F200	8		B95	Bulkhead harness	F234	2	Grey		A/C pressure SW	
	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	
	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							

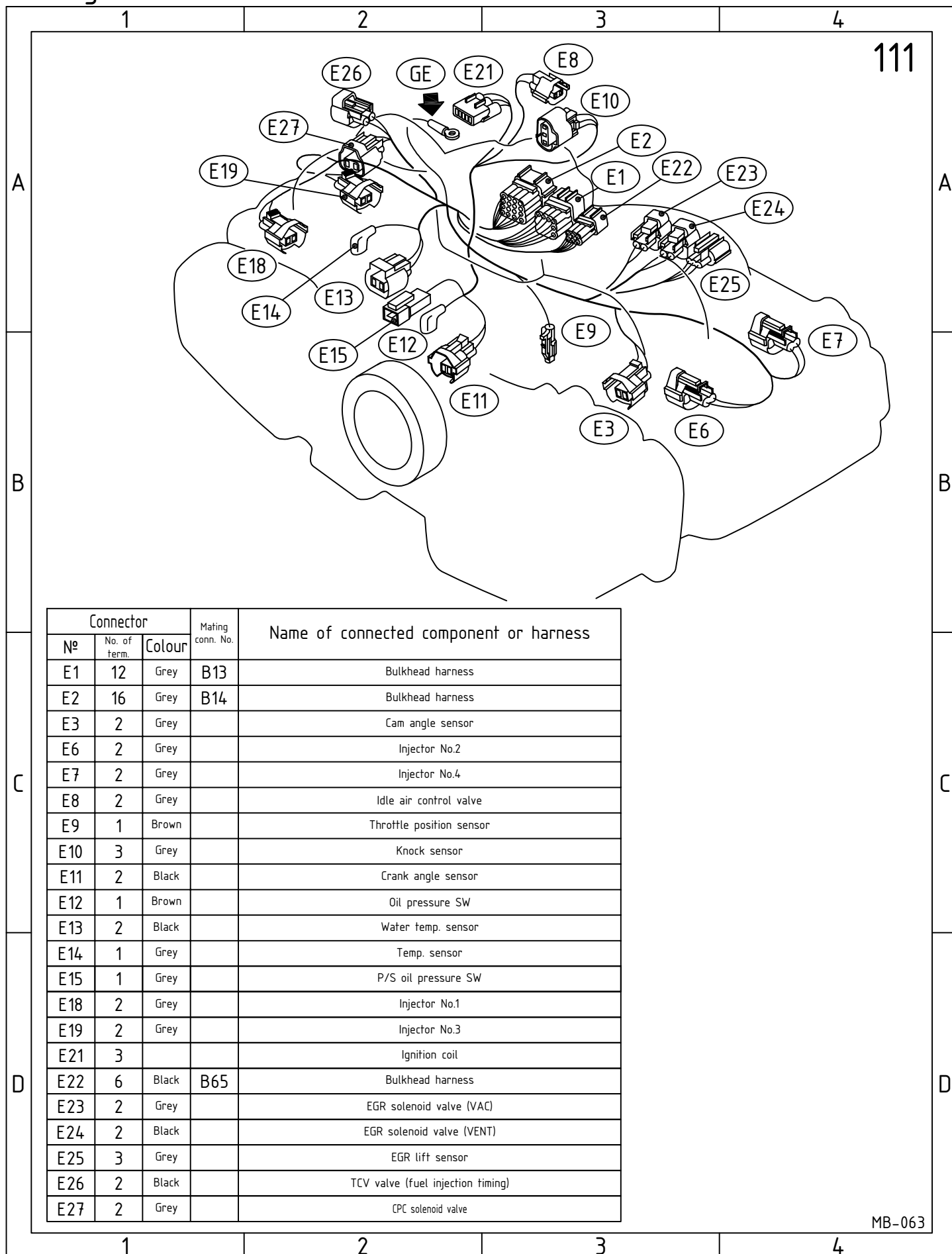
4	Connector			Mating conn. No.	Name of connected component or harness	Connector			Mating conn. No.	Name of connected component or harness	4
	Nº	No. of term.	Colour			Nº	No. of term.	Colour			
	F200	8		B95	Bulkhead harness	F234	2	Grey		A/C pressure SW	
	F201	66	Grey	B94	Bulkhead harness (SMJ) (turbo)	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	
	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							

109

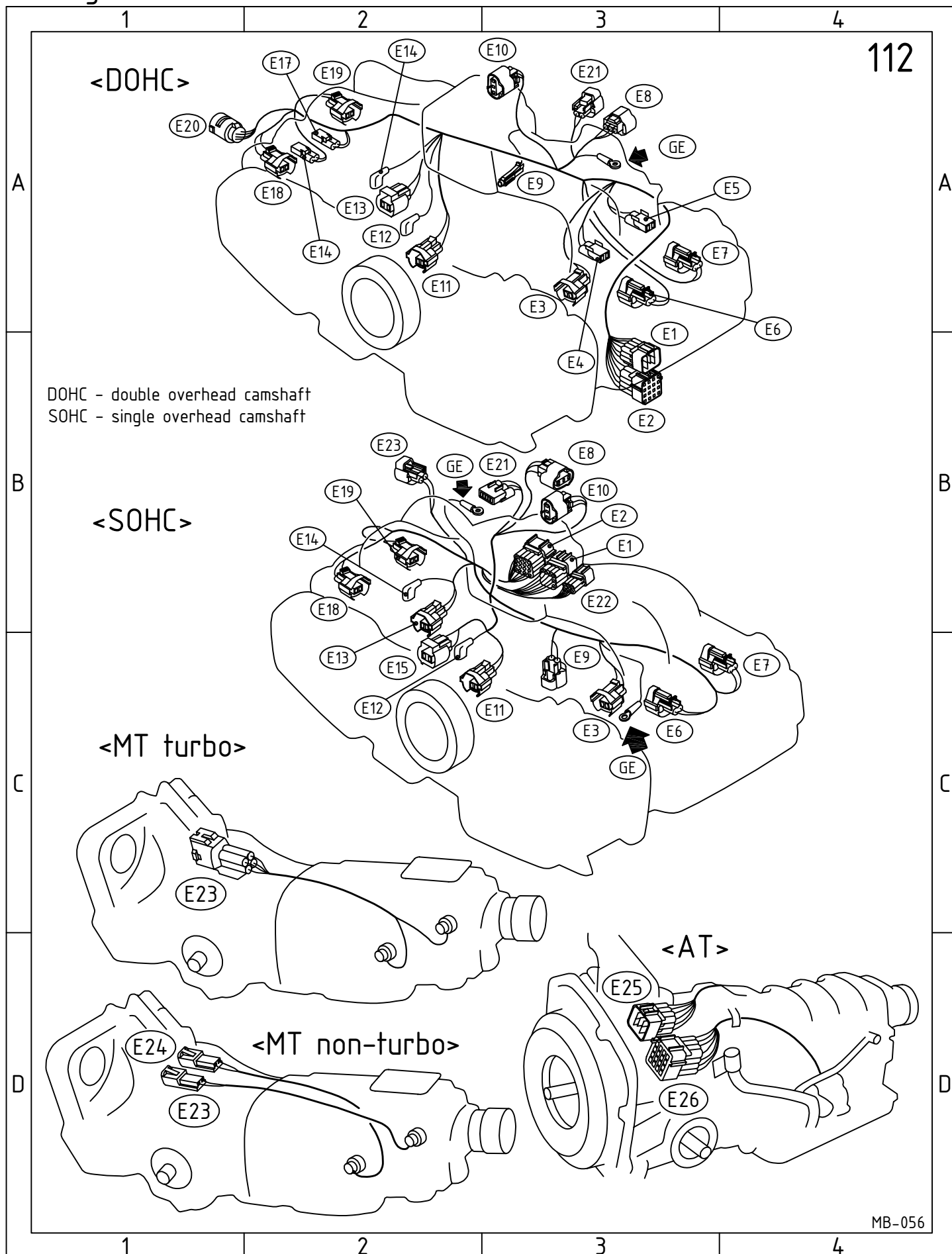
(2) Engine harness (1.8L)



(3) Engine harness (2.0L Lean burn)



(4) Engine and transmission harness (2.0L)



(4) Engine and transmission harness (2.0L)

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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

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)

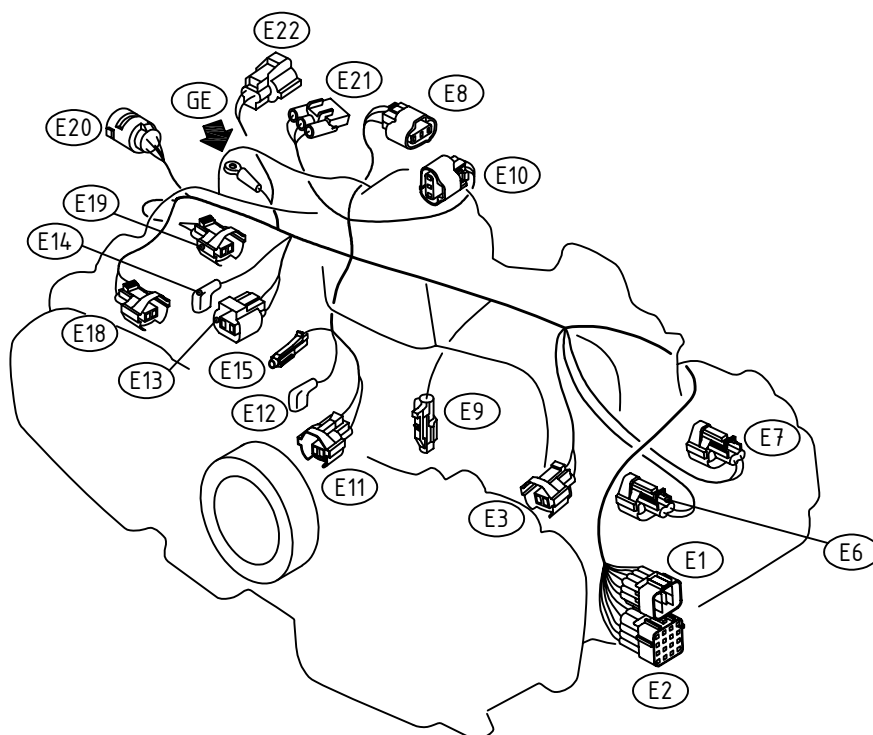
Connector			Mating conn. No.	Name of connected component or harness
№	No. of term.	Colour		
E23	2	Brown	B58	Bulkhead harness (neutral position SW)
E24	2	Grey	B57	Bulkhead harness (back-up light SW)

Transmission harness (AT)

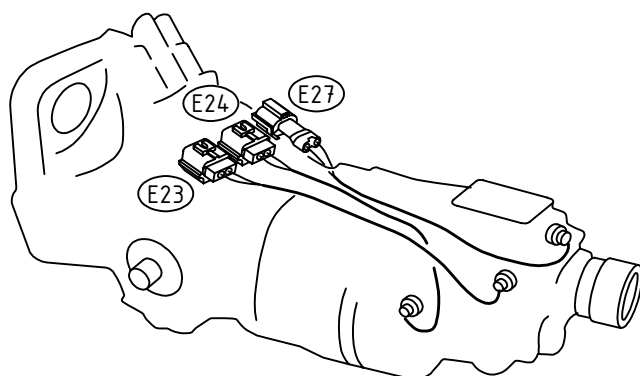
Connector			Mating conn. No.	Name of connected component or harness
№	No. of term.	Colour		
E25	12	Grey	B55	Bulkhead harness (inhibitor SW)
E26	16	Grey	B54	Bulkhead harness (AT control)

(5) Engine and transmission harness (2.5L)

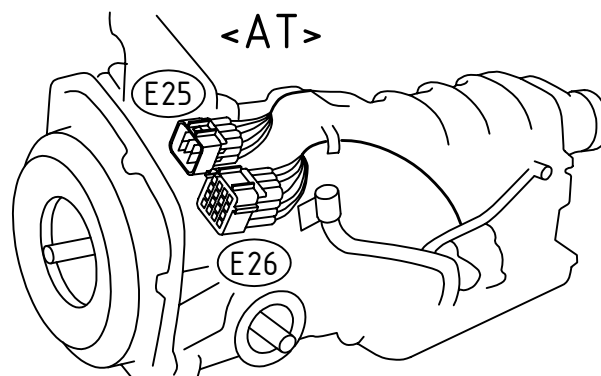
114



<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

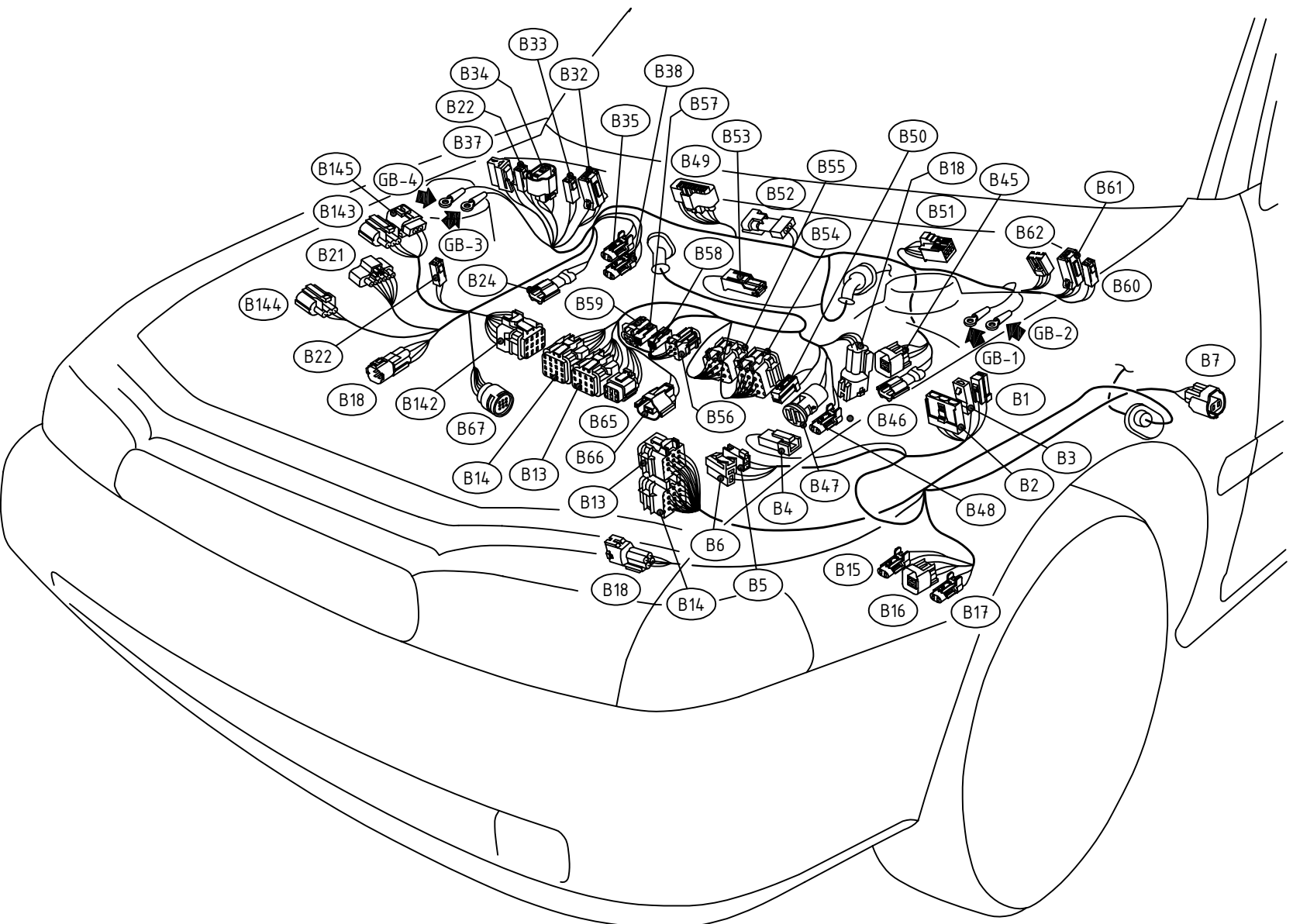
Transmission harness (AT)

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

(6) Bulkhead harness (engine compartment)

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Connector			Mating conn. No.	Name of connected component or harness
№	No. of term.	Colour		
B1	2	Black		M/B
B2	3			M/B
B3	1			M/B
B4	1	Grey	F210	Front harness (with air suspension)
B5	2			Rear washer motor
B6	2	Green		Front washer motor
B7	2			Side turn signal LH
B13	12	Grey	E1	Engine harness
B14	16	Grey	E2	Engine harness
B15	2	Grey		A/S intake solenoid valve (with air suspension)
B16	4	Grey		A/S compressor (with air suspension)
B17	2	Brown		A/S pressure sensor (with air suspension)
B18	4	Grey		O2 sensor
B21	5	Grey		Air flow sensor (2.0L and 2.5L non-turbo)
B22	2	Grey		Resistor (AT)
B24	2	Grey		ABS sensor FR
	2	Brown		ABS sensor FR (2.5L MT)
B32	4	Black		A/S sensor FR (with air suspension)
B33	2	Black		A/S solenoid valve FR (with air suspension)
B34	3	Grey		Differential pressure sensor (turbo)
B35	2	Grey		Brake fluid level sensor
B37	2	Black		FWD SW (North America spec.)
B38	2	Black		Power steering solenoid (turbo)
B45	4	Grey		Cruise control pump
B46	2	Grey		ABS sensor FL
	2	Brown		ABS sensor FL (2.5L MT)
B47	2			Exhaust gas temp. sensor
B48	2	Grey		Exhaust gas temp. sensor 2 (turbo)
B49	6	Grey		Ignitor (North America spec.)
B50	2	Black		Speed sensor
B51	6			Front wiper motor
B52	3	Grey		Wiper deicer

1

2

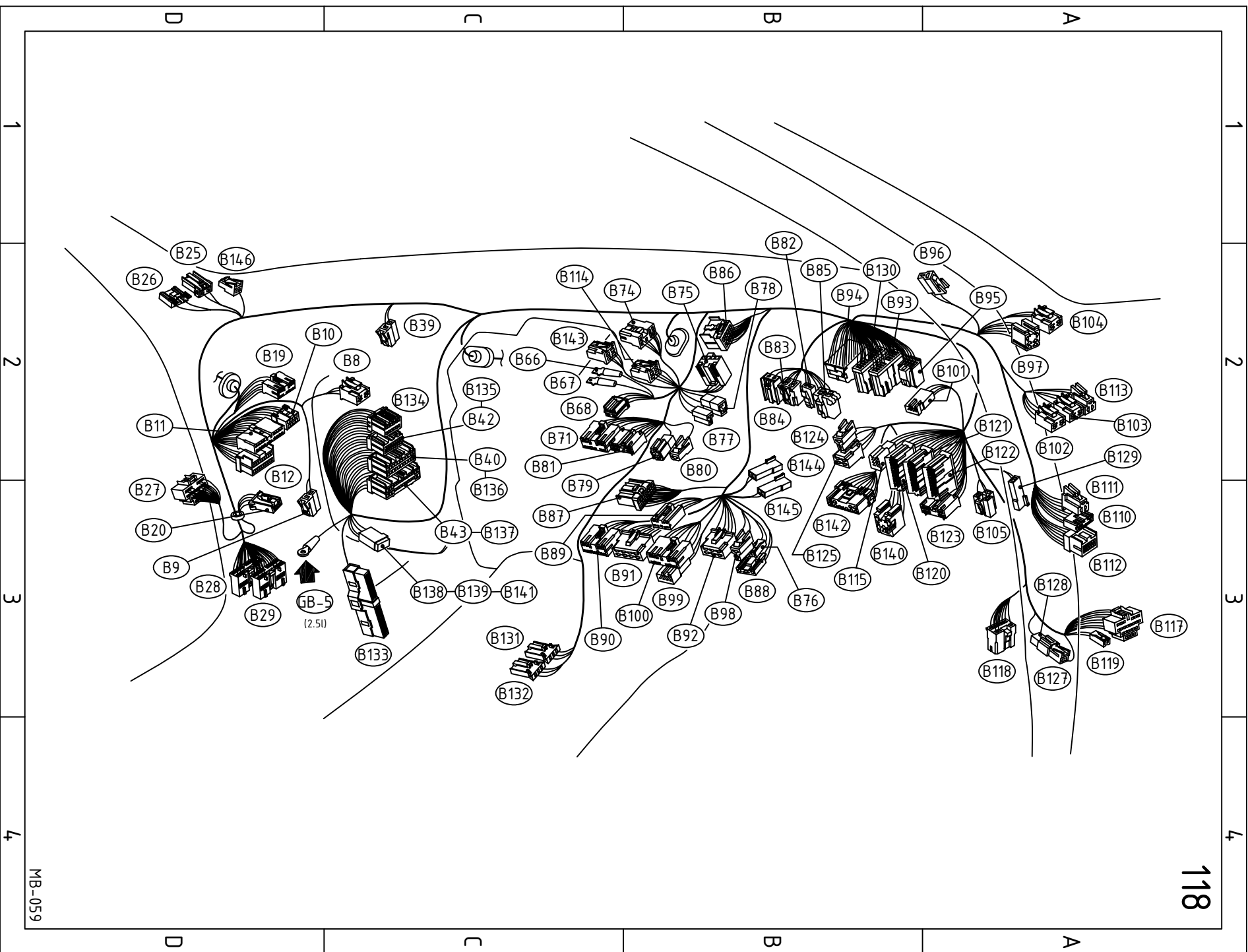
3

4

Connector			Mating conn. No.	Name of connected component or harness
№	No. of term.	Colour		
B53	1	Black		Starter (magnetic switch)
B54	16	Grey	E26	Transmission harness (AT control)
B55	12	Grey	E25	Transmission harness (AT inhibitor SW)
B56	4	Grey	E23	Transmission harness (MT, turbo)
B57	2	Grey	E24	Transmission harness (MT back-up light SW, non-turbo)
B58	2	Brown	E23	Transmission harness (MT neutral position SW, non-turbo)
B59	2	Black		4WD-LO SW (2.5L MT)
B60	2	Black		A/S solenoid valve FL (with air suspension)
B61	4	Black		A/S sensor FL (with air suspension)
B62	5	Black		A/S compressor relay (with air suspension)
B65	6	Grey	E22	Engine harness (non-turbo)
B66	2	Brown		FCID solenoid valve (1.8L non-turbo)
B67	8	Grey	E20	Engine harness (turbo and 2.5L non-turbo)
B142	12	Grey		Solenoid valve unit (turbo)
B143	3	Grey		Absolute pressure sensor (turbo)
B144	3	Grey		Air flow sensor (turbo)
B145	2	Grey		Duty solenoid (turbo)

117

(7) Bulkhead harness (cabin)



118

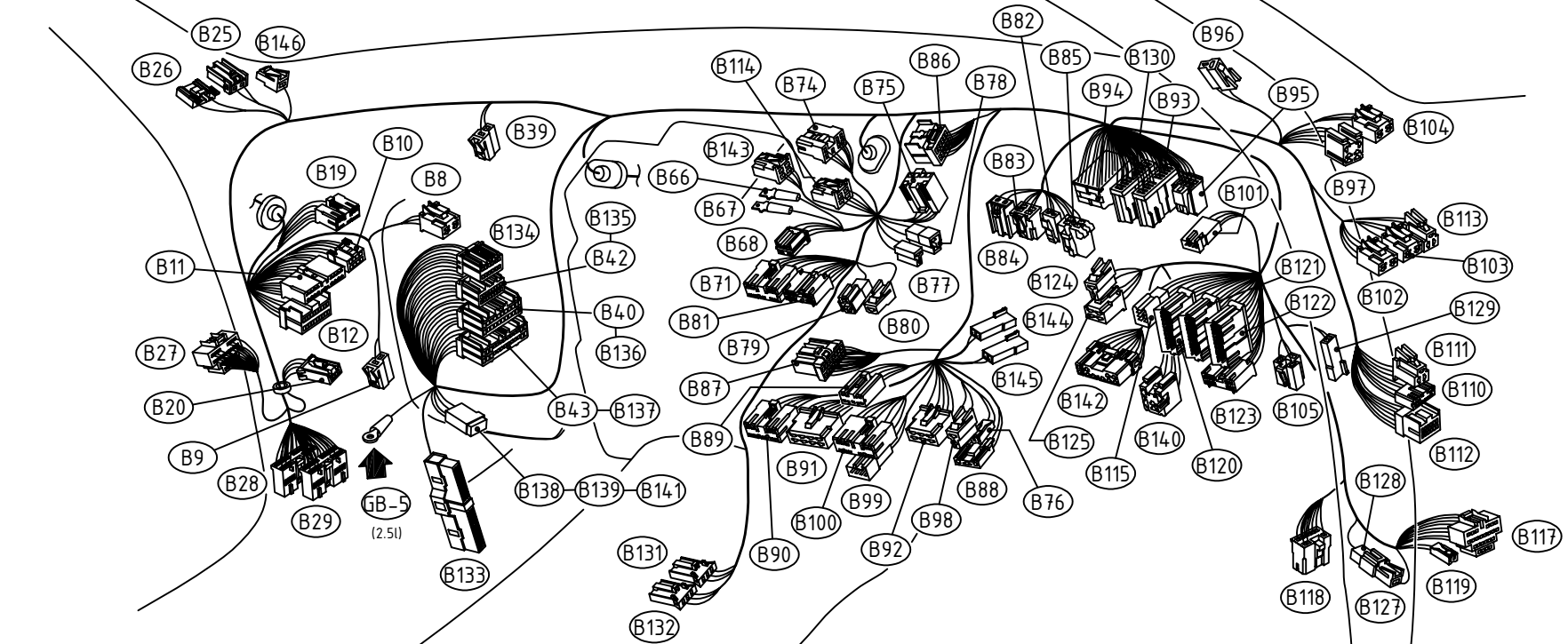
MB-059

(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				
3	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					
	B66	1							B101	4	Brown					
	B67	1							B102	4	Brown					
	B68	6	Black						B103	4	Blue					
	B71	9	Yellow						B104	4	Green					
4	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													

119

1	2	3	4
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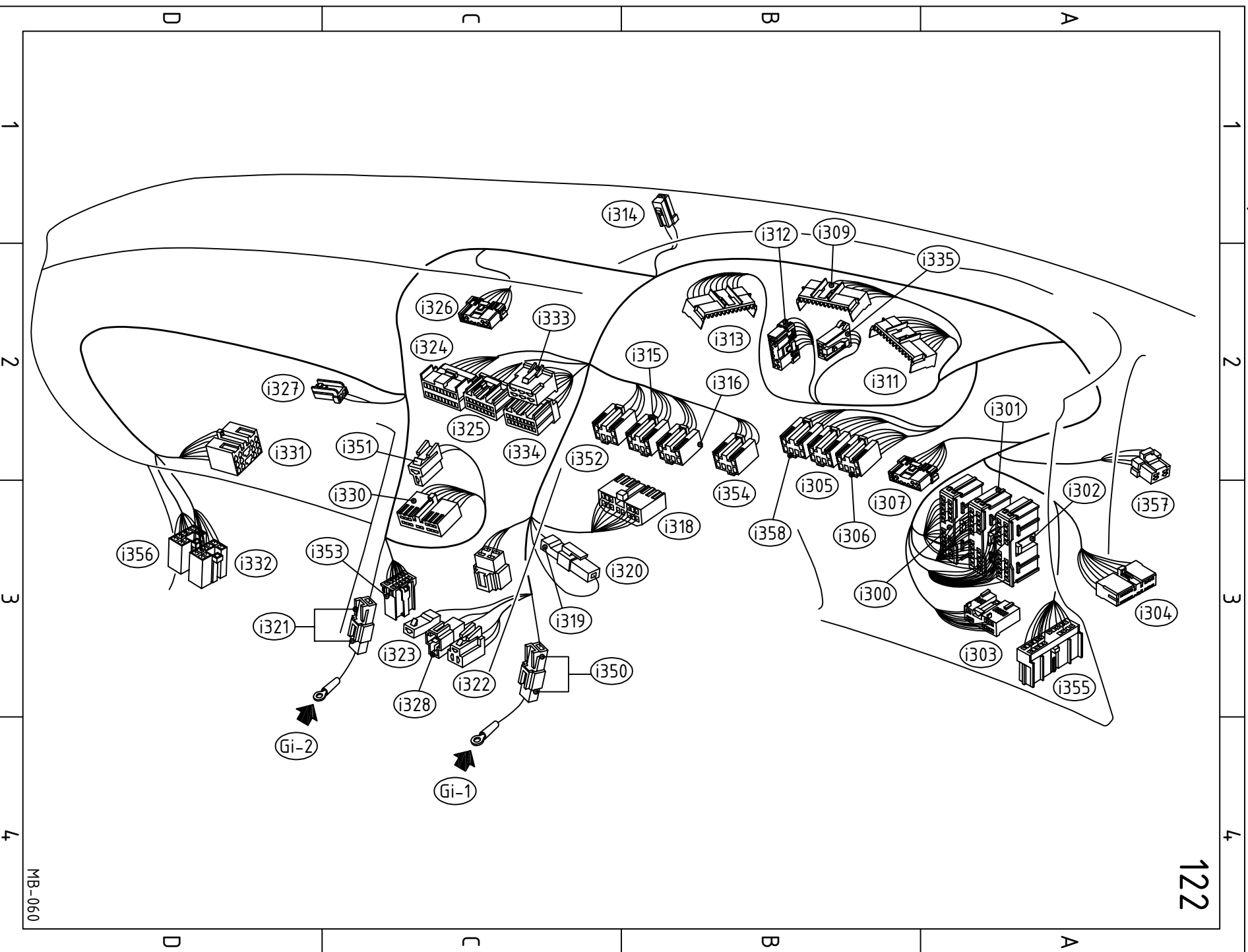


MB-059

(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)										
3	B141	6	Grey		Sensor shield connector (1.8L MT lean burn)										
	B142	10			Key reminder unit										
	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			

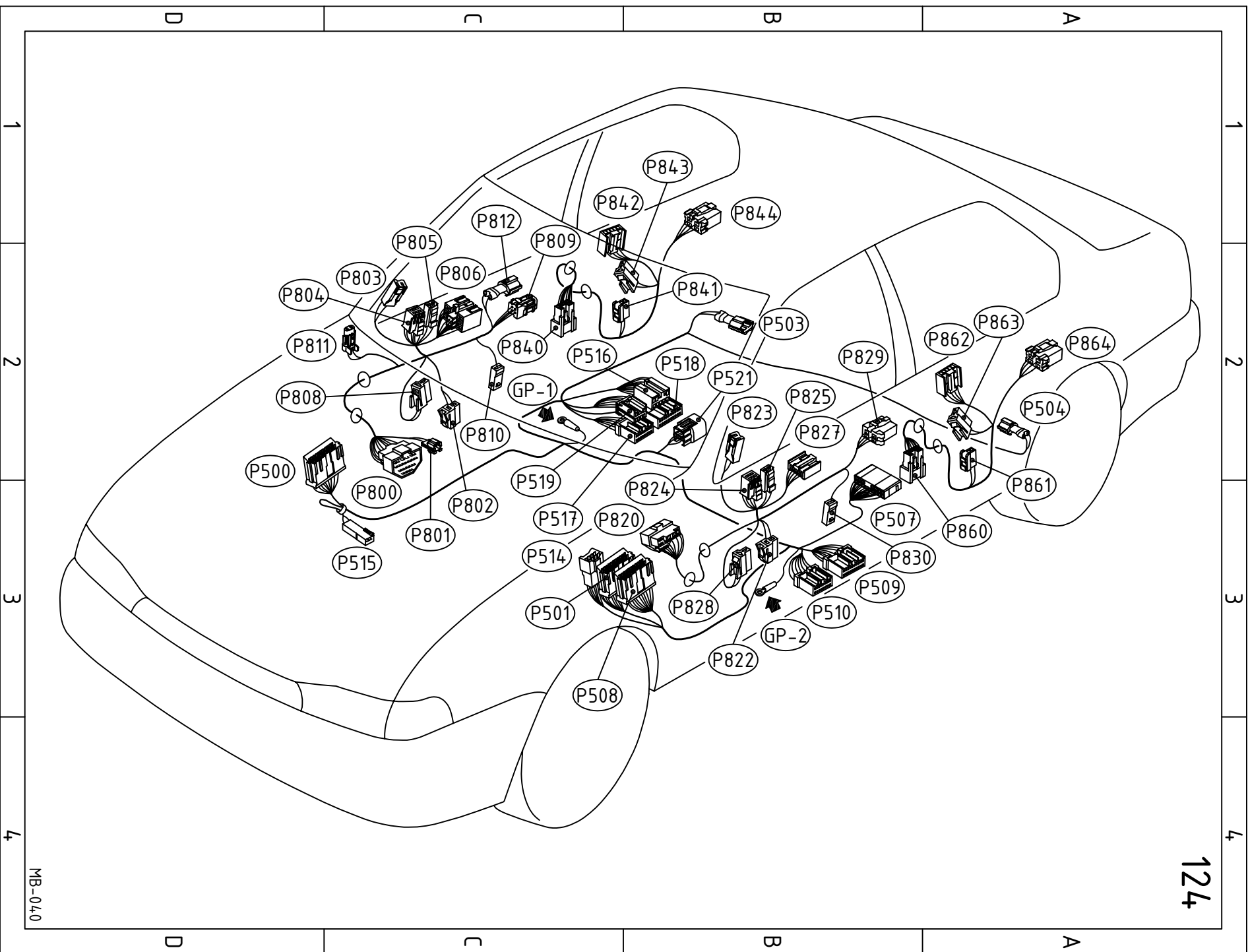
(8) Instrument panel harness



(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. of term.	Colour			№		No. of term.			Colour	№		No. of term.	Colour						
2	i300	22	Black	B120	Bulkhead harness								i335	5			Comb. meter (speed connector)		2		
	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																
3	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																
	4	i332	8		P514	Floor harness															
i333		8			SW (manual A/C)																
i334		16	Black		A/C control panel (manual)																
D				C				B				A				4	123				

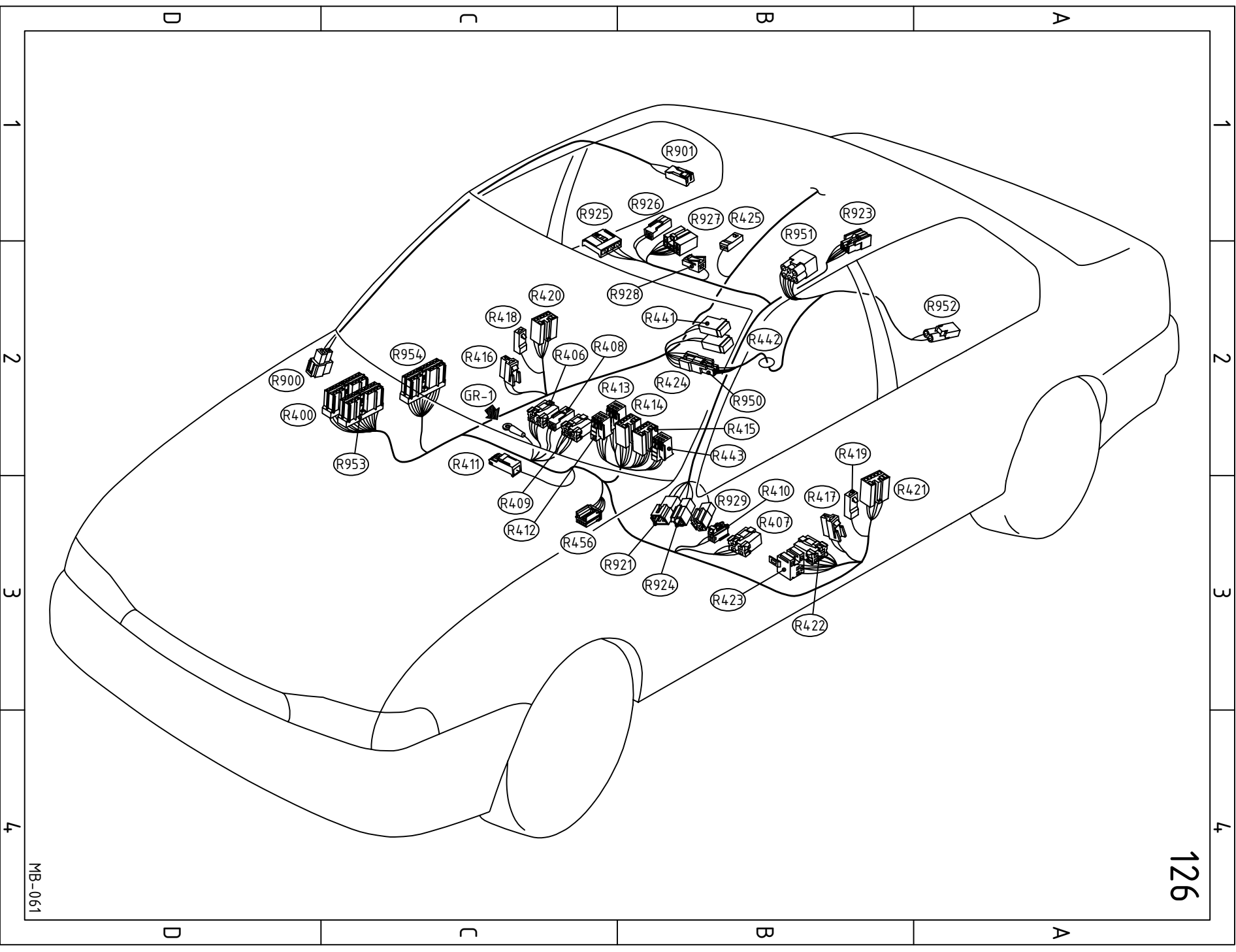
(9) Floor and door harnesses



1	2	3	4
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125

(10) Rear harness



1

2

3

4

Rear harness

Connector			Mating conn. No.	Name of connected component or harness
Nº	No. of term.	Colour		
R400	20		B93	Bulkhead harness
R406	4	Blue		Seat heater FR
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

Lighting harness

Connector			Mating conn. No.	Name of connected component or harness
Nº	No. of term.	Colour		
R900	2	Green	B96	Bulkhead harness
R901	2			Room light

Sunroof harness

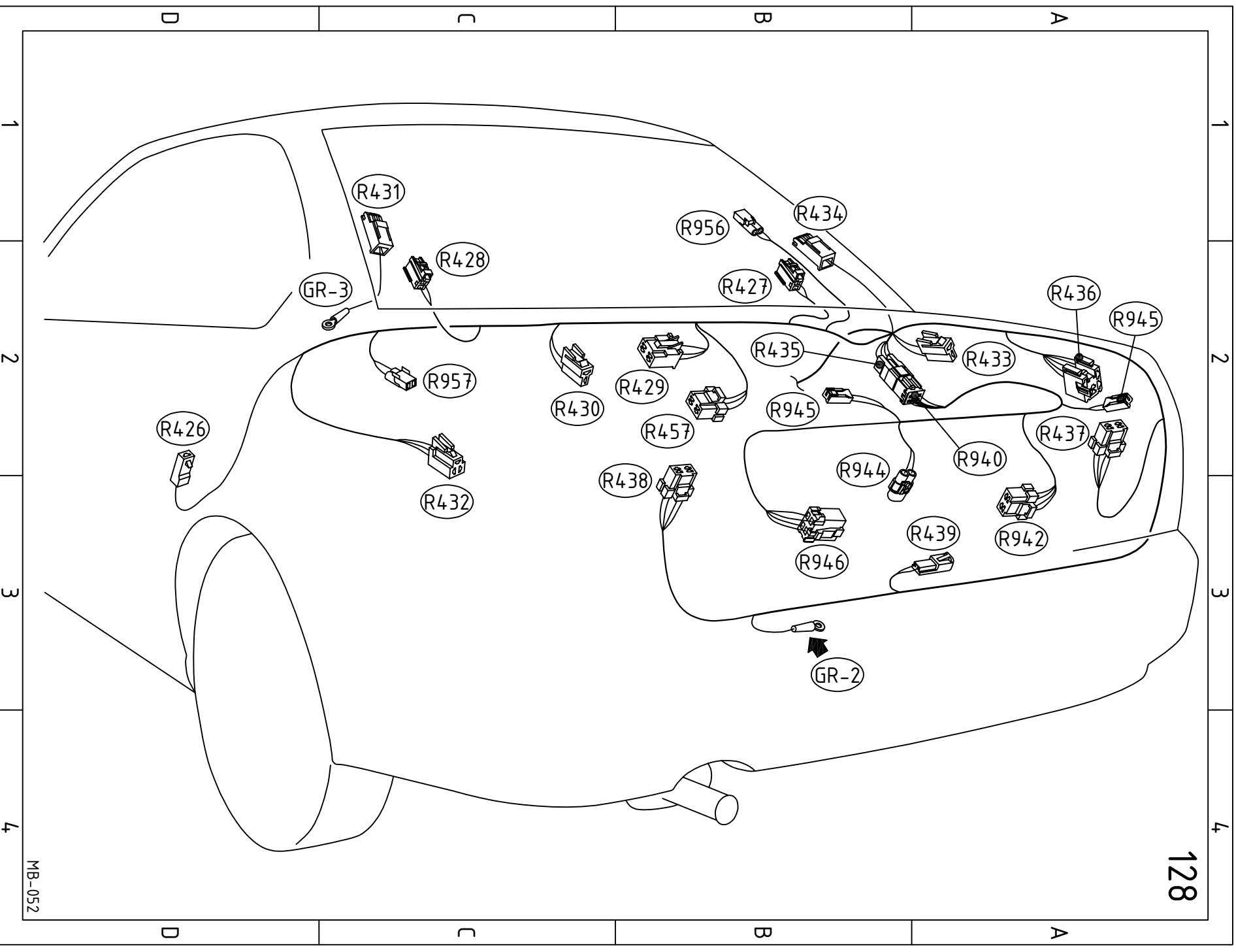
Connector			Mating conn. No.	Name of connected component or harness
Nº	No. of term.	Colour		
R921	3		B25	Bulkhead harness (with keyless entry)
R923	6	Black		Sunroof control module (wagon)
R924	2		B26	Bulkhead harness
R925	4			Keyless entry control module
R926	2			Room light
R927	6	Green		Sunroof SW (wagon)
R928	1			Sunroof motor (sedan)
R929	1		B146	Bulkhead harness

Fuel tank harness

Connector			Mating conn. No.	Name of connected component or harness
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)

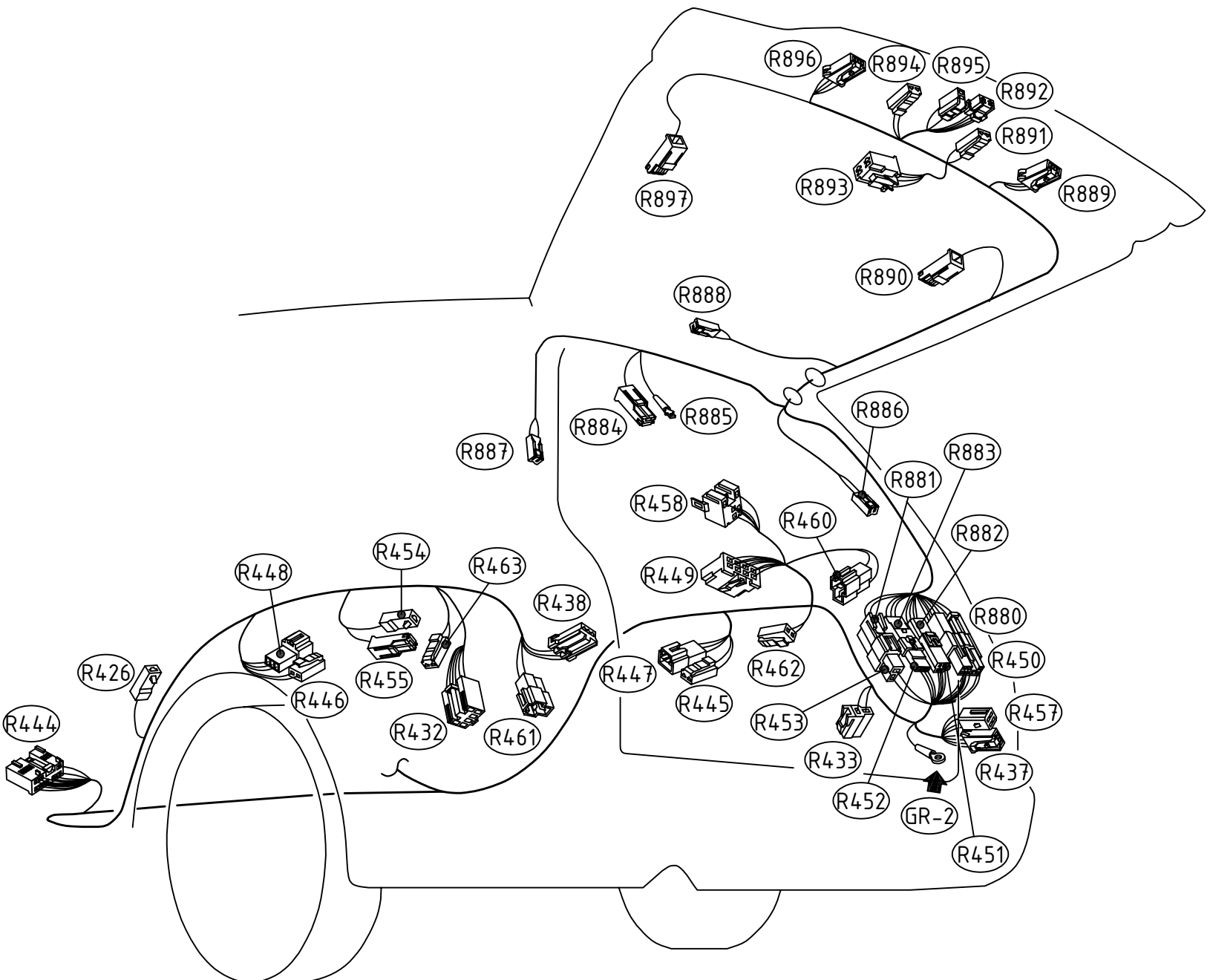


(11) Rear and trunk lid harness (sedan)

D				C				B				A			
Rear harness								Trunk lid 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								
R426	1	Brown		Door SW RL	R940	6		R435	Rear harness						
R427	2	Black		Speaker RR	R942	4			Stop light RR						
R428	2	Black		Speaker RL	R944	2			License plate light						
R429	4			Rear wiper motor	R945	2			High-mount stop light (trunk lid)						
R430	2	Blue		Luggage room light		2	Black		Spoiler stop light						
R431	1	Black		Rear window defogger (ground)	R946	4			Stop light RL						
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											

129

(12) Rear and rear gate harness (wagon)



130

MB-053

	1	2	3	4
1				
2				
3				
4				

131

1

2

3

4

A

A

B

B

C

C

D

D

1

2

3

4

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