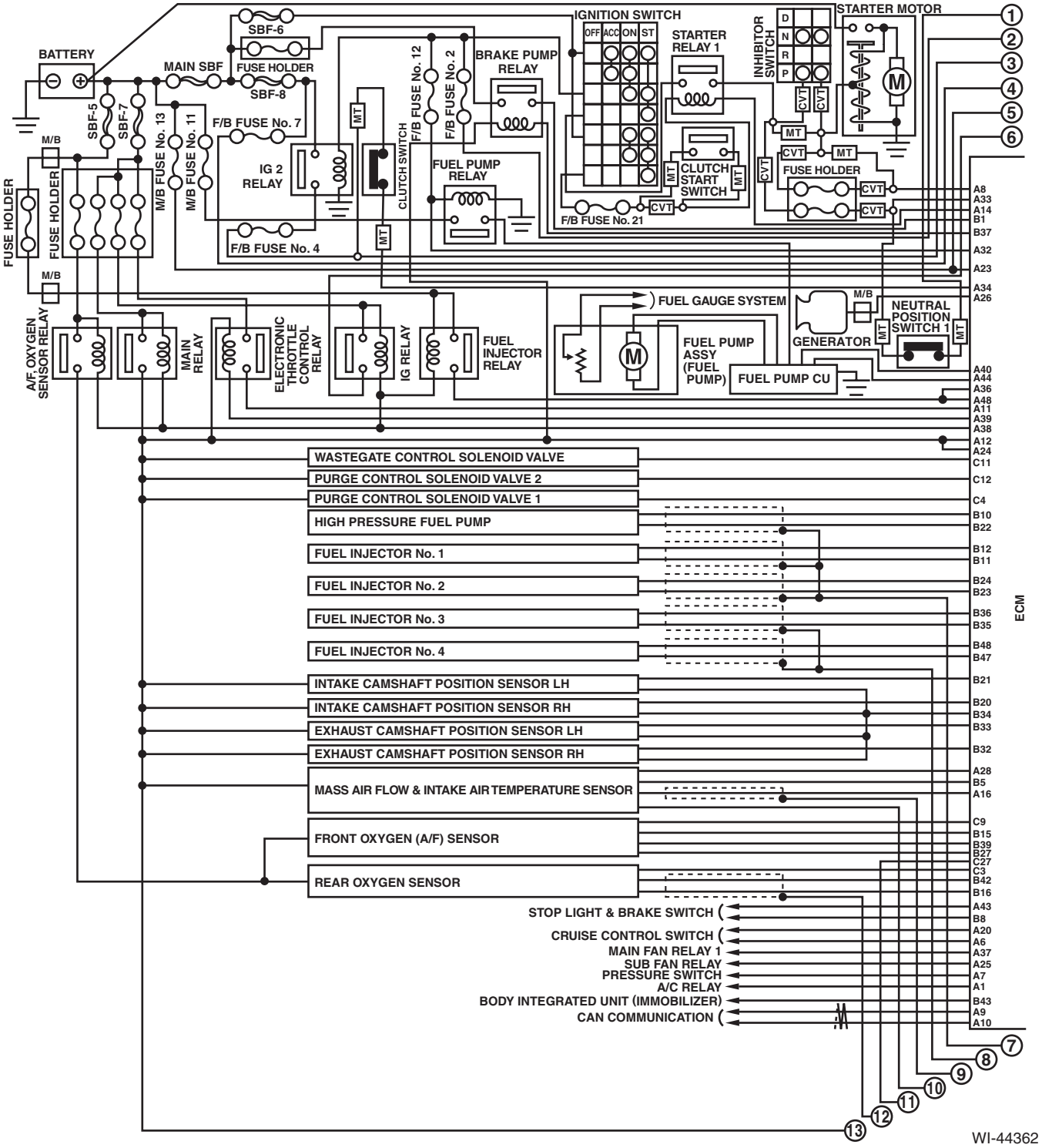
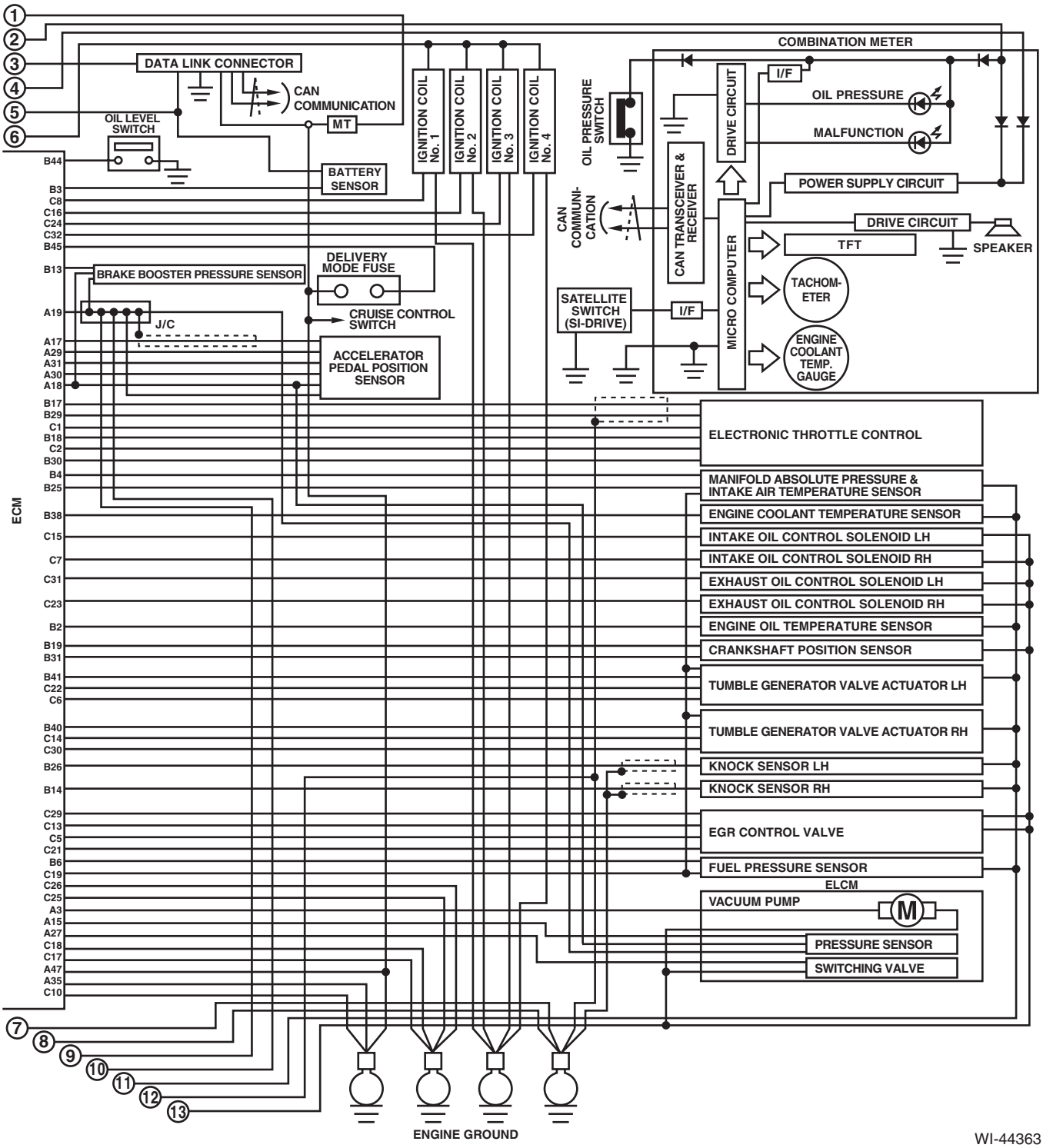
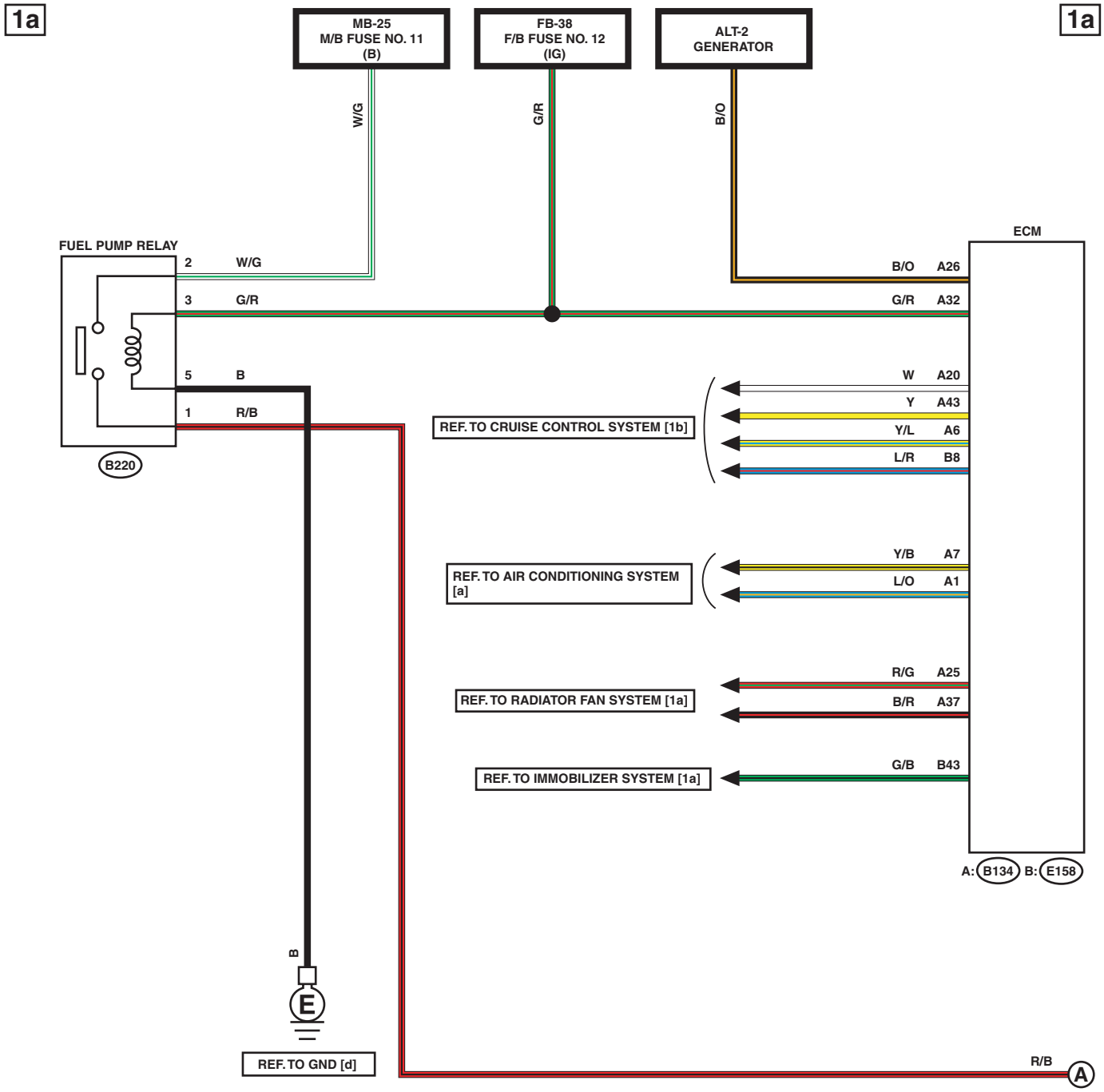
19.Engine Electrical System

A: WIRING DIAGRAM

1. ENGINE TYPE FA (WITHOUT PUSH BUTTON START)

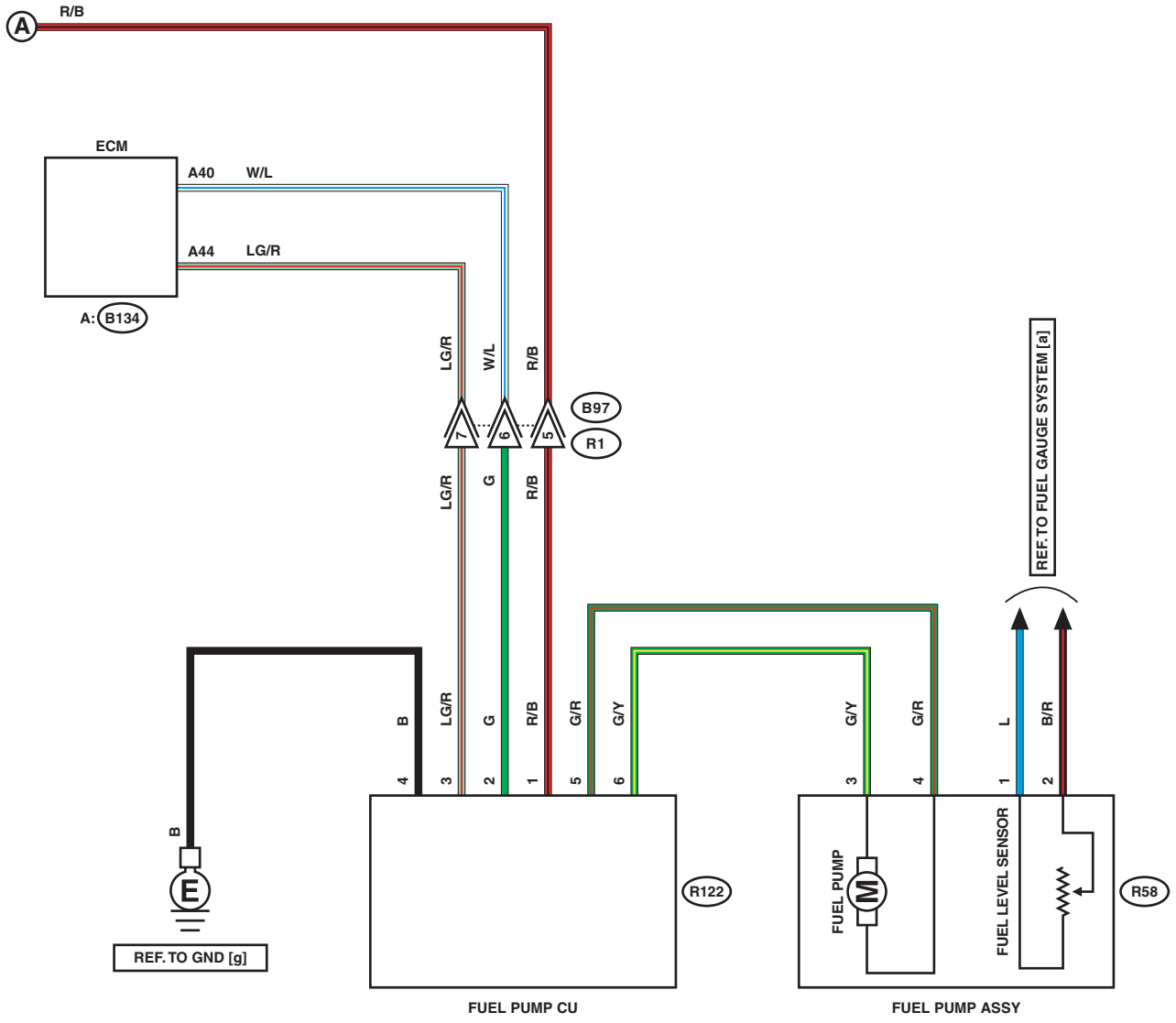



COMBINATION METER
DATA LINK CONNECTOR
CAN COMMUNICATION
MT
OIL LEVEL SWITCH
BATTERY SENSOR
IGNITION COIL No. 1
IGNITION COIL No. 2
IGNITION COIL No. 3
IGNITION COIL No. 4
OIL PRESSURE SWITCH
CAN COMMUNI-CATION
CAN TRANSCEIVER & RECEIVER
DRIVE CIRCUIT
I/F
OIL PRESSURE
MALFUNCTION
POWER SUPPLY CIRCUIT
DRIVE CIRCUIT
SPEAKER
TFT
TACHOM-ETER
ENGINE COOLANT TEMP. GAUGE
MICRO COMPUTER
SATELLITE SWITCH (SI-DRIVE)
I/F
DELIVERY MODE FUSE
BRAKE BOOSTER PRESSURE SENSOR
CRUISE CONTROL SWITCH
J/C
ACCELERATOR PEDAL POSITION SENSOR
ECM
ELECTRONIC THROTTLE CONTROL
MANIFOLD ABSOLUTE PRESSURE & INTAKE AIR TEMPERATURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
INTAKE OIL CONTROL SOLENOID LH
INTAKE OIL CONTROL SOLENOID RH
EXHAUST OIL CONTROL SOLENOID LH
EXHAUST OIL CONTROL SOLENOID RH
ENGINE OIL TEMPERATURE SENSOR
CRANKSHAFT POSITION SENSOR
TUMBLE GENERATOR VALVE ACTUATOR LH
TUMBLE GENERATOR VALVE ACTUATOR RH
KNOCK SENSOR LH
KNOCK SENSOR RH
EGR CONTROL VALVE
FUEL PRESSURE SENSOR
ELCM
VACUUM PUMP
M
PRESSURE SENSOR
SWITCHING VALVE
ENGINE GROUND
WI-44363

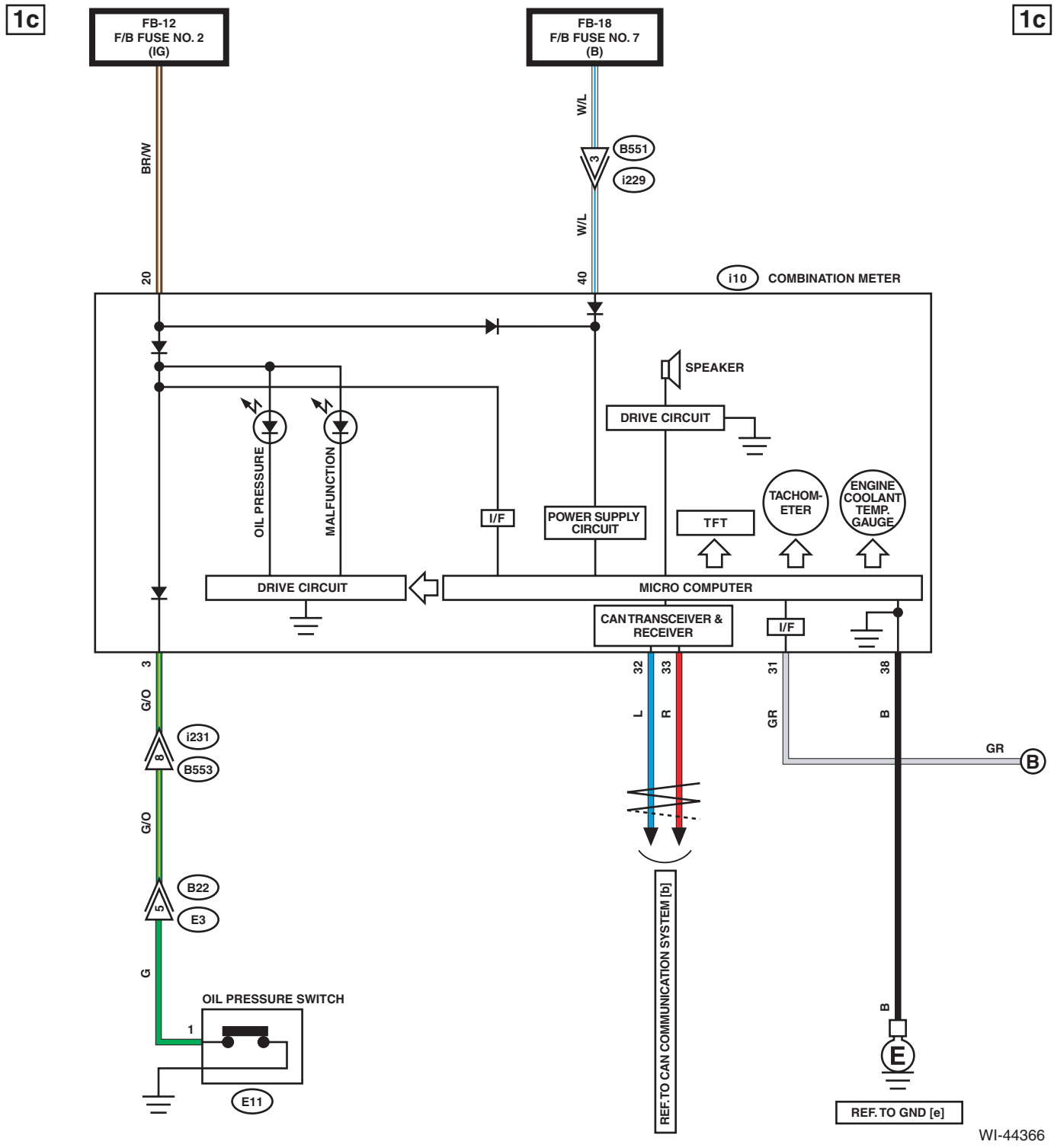

1a
1a
MB-25
M/B FUSE NO. 11
(B)
FB-38
F/B FUSE NO. 12
(IG)
ALT-2
GENERATOR
W/G
G/R
B/O
ECM
FUEL PUMP RELAY
2 W/G
3 G/R
5 B
1 R/B
B220
B/O A26
G/R A32
W A20
Y A43
Y/L A6
L/R B8
REF. TO CRUISE CONTROL SYSTEM [1b]
Y/B A7
L/O A1
REF. TO AIR CONDITIONING SYSTEM [a]
R/G A25
B/R A37
REF. TO RADIATOR FAN SYSTEM [1a]
G/B B43
REF. TO IMMOBILIZER SYSTEM [1a]
A: B134 B: E158
B
E
REF. TO GND [d]
R/B
A

WI-44364

1b

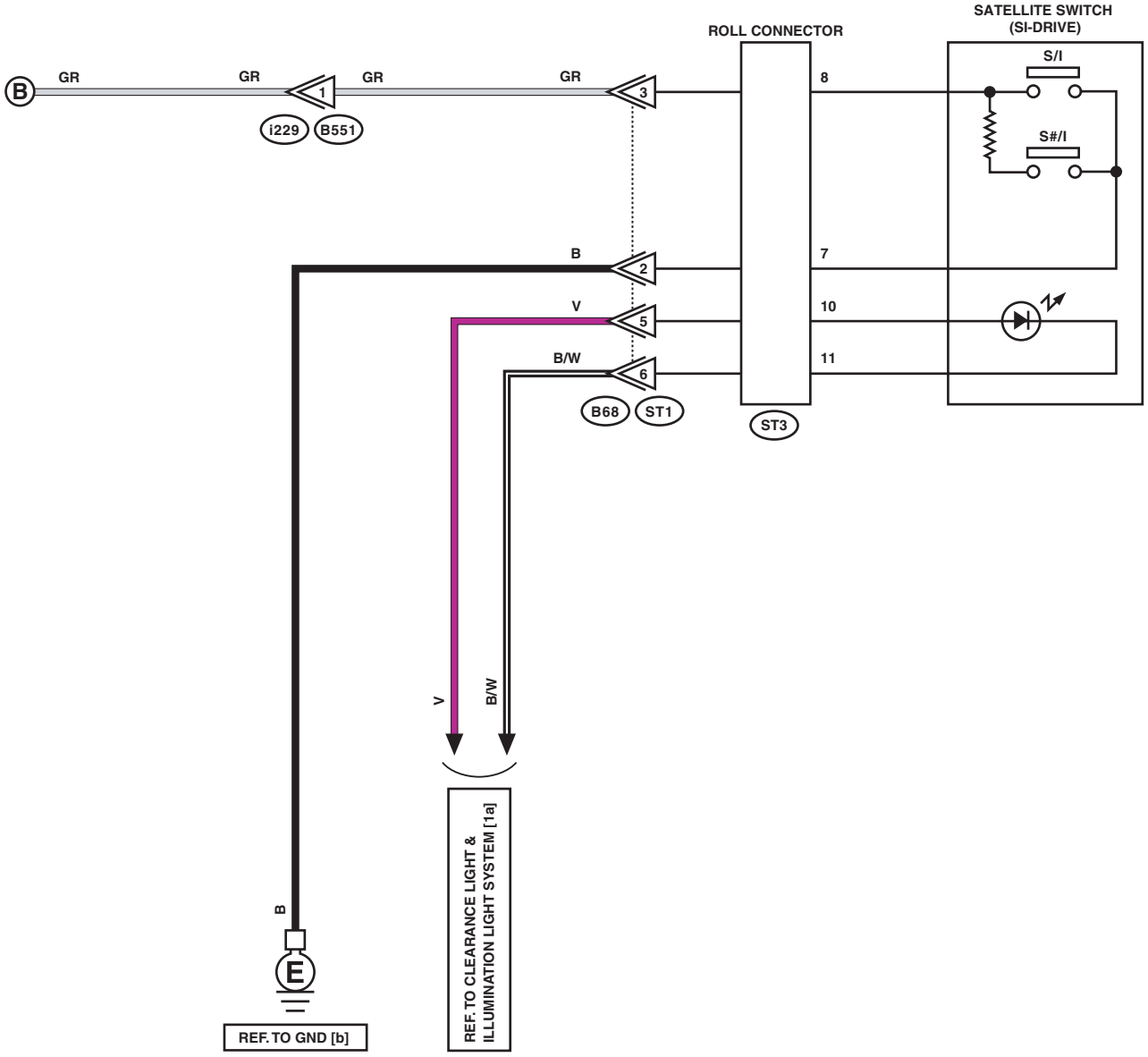

A
R/B
ECM
A40
W/L
A44
LG/R
A: B134
LG/R
W/L
R/B
7
6
5
B97
R1
LG/R
G
R/B
REF. TO FUEL GAUGE SYSTEM [a]
B
LG/R
G
R/B
G/R
G/Y
G/Y
G/R
L
B/R
4
3
2
1
5
6
3
4
1
2
B
E
REF. TO GND [g]
R122
FUEL PUMP
M
FUEL LEVEL SENSOR
R58
FUEL PUMP CU
FUEL PUMP ASSY

WI-44365

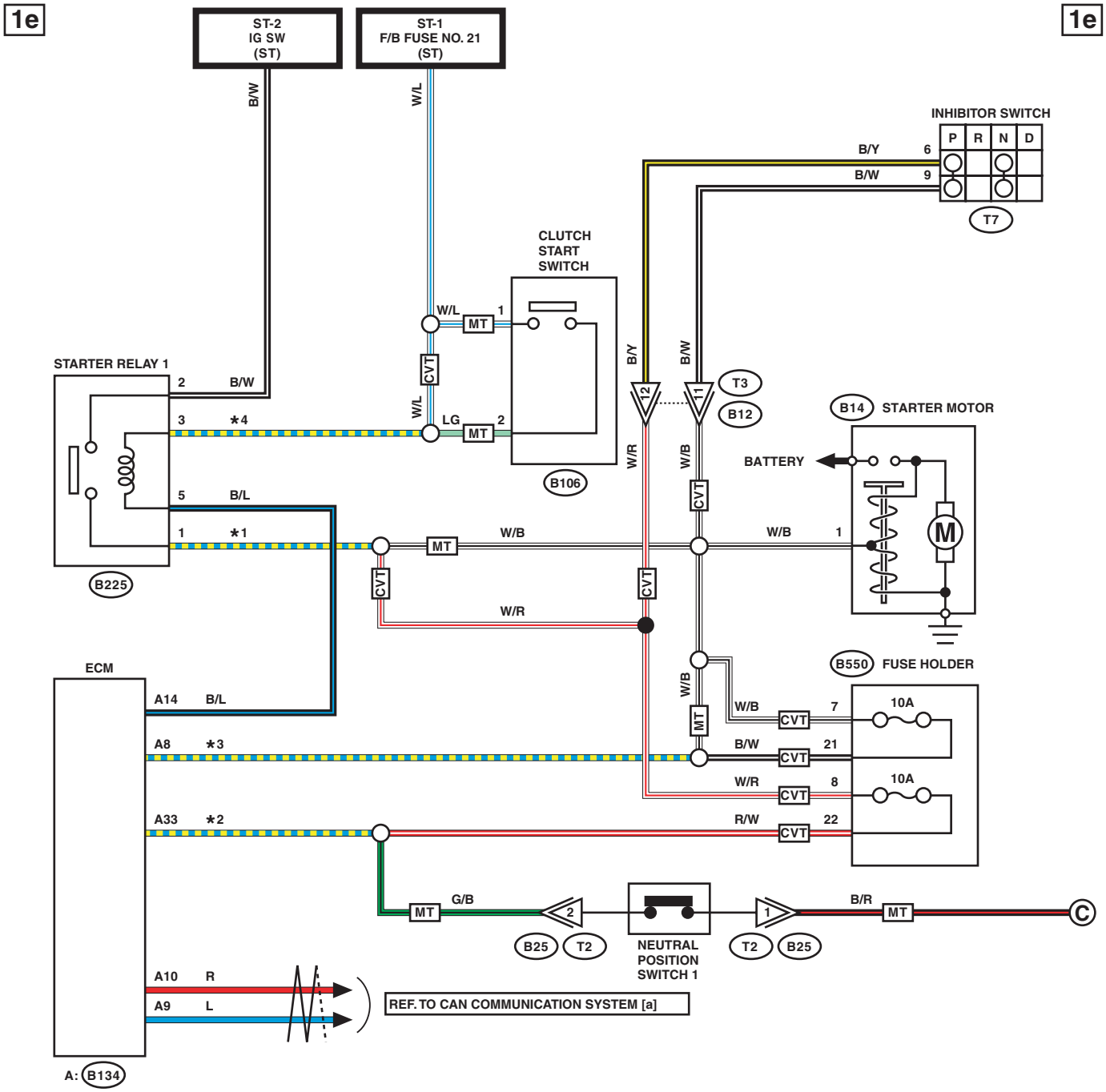

1c
1c
FB-12
F/B FUSE NO. 2
(IG)
FB-18
F/B FUSE NO. 7
(B)
BR/W
20
W/L
B551
i229
W/L
40
i10
COMBINATION METER
SPEAKER
DRIVE CIRCUIT
OIL PRESSURE
MALFUNCTION
I/F
POWER SUPPLY CIRCUIT
TFT
TACHOM-ETER
ENGINE COOLANT TEMP. GAUGE
DRIVE CIRCUIT
MICRO COMPUTER
CAN TRANSCEIVER & RECEIVER
I/F
3
G/O
i231
B553
G/O
B22
E3
G
OIL PRESSURE SWITCH
1
E11
32
33
L
R
31
38
GR
B
GR
B
B
E
REF. TO GND [e]
REF.TO CAN COMMUNICATION SYSTEM [b]
WI-44366

1d

1d



WI-44367



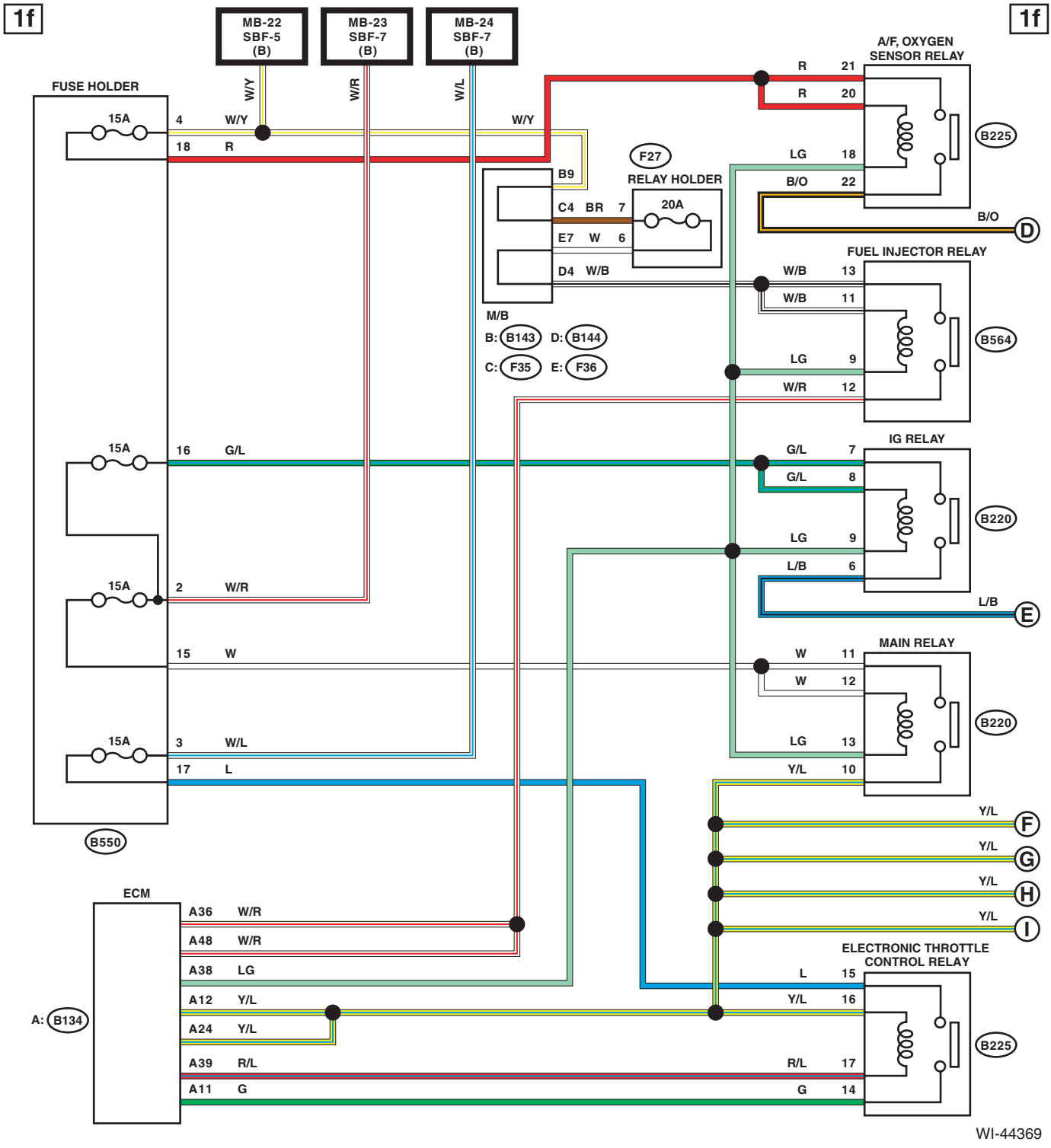
✱1 : MT MODEL : W/B
CVT MODEL : W/R

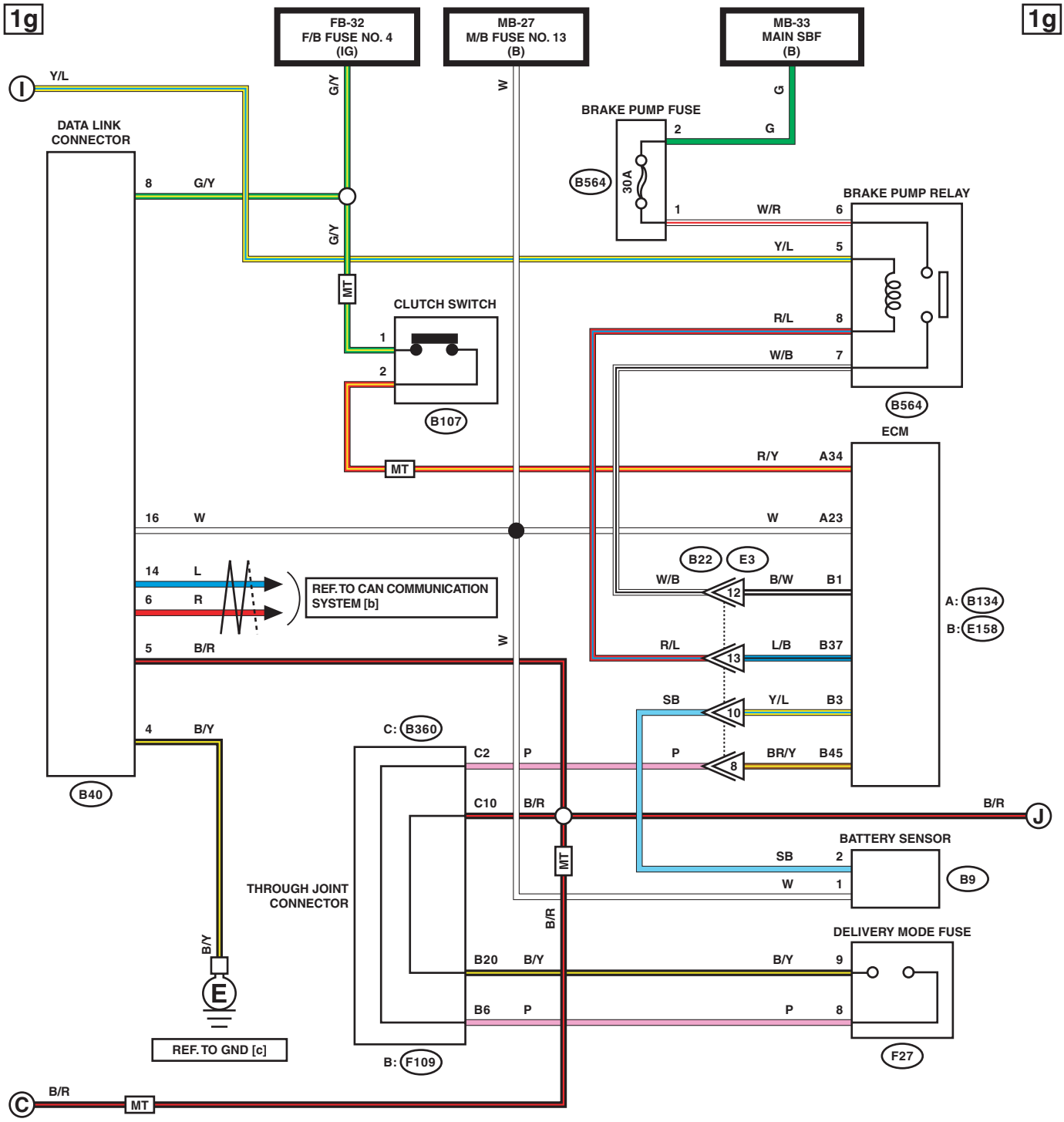
✱2 : MT MODEL : G/B
CVT MODEL : R/W

✱3 : MT MODEL : W/B
CVT MODEL : B/W

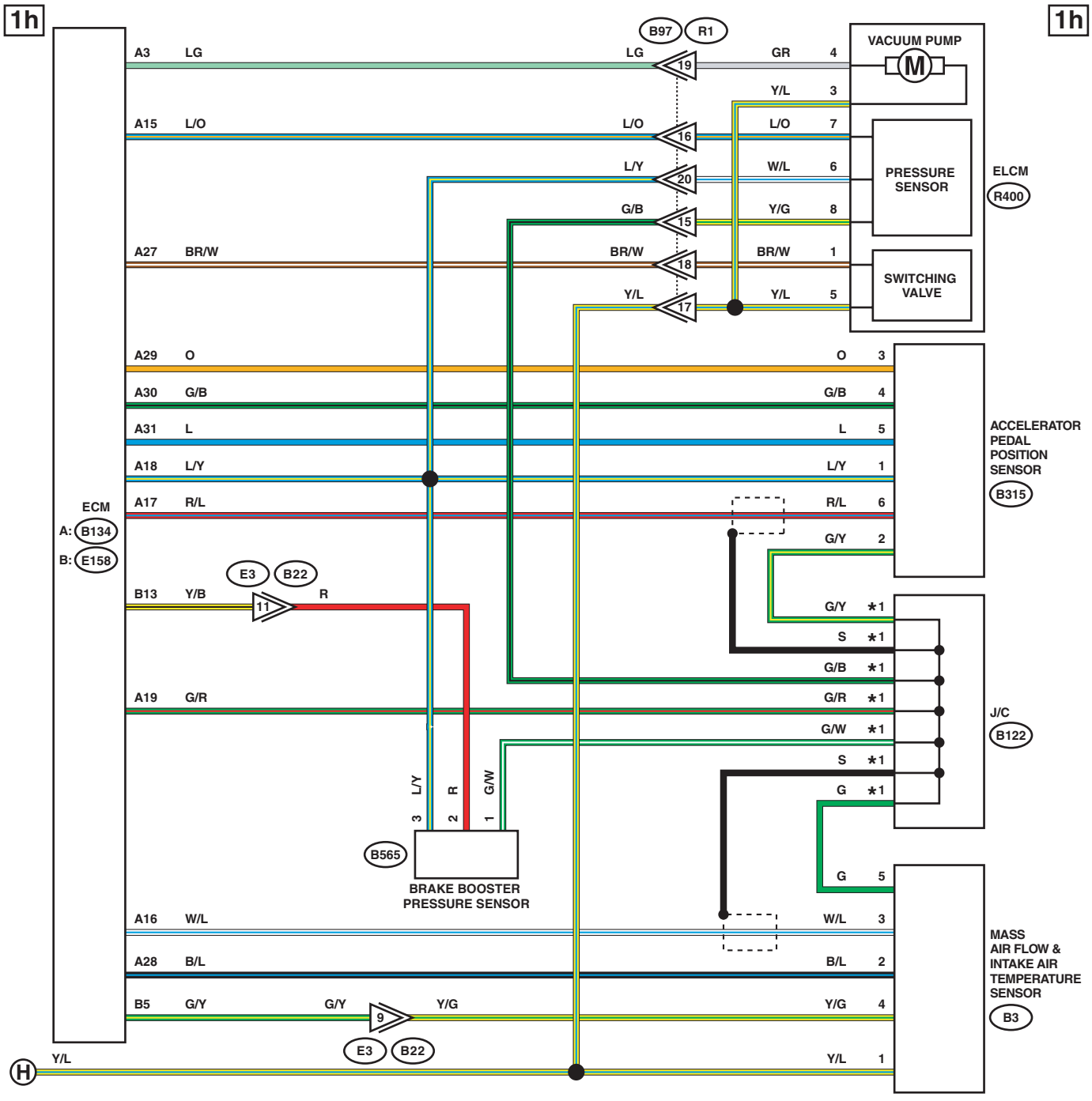
✱4 : MT MODEL : LG
CVT MODEL : W/L

WI-44368


1f
1f
MB-22 SBF-5 (B)
MB-23 SBF-7 (B)
MB-24 SBF-7 (B)
W/Y
W/R
W/L
FUSE HOLDER
15A
4 W/Y
18 R
15A
16 G/L
15A
2 W/R
15 W
15A
3 W/L
17 L
B550
W/Y
A/F, OXYGEN SENSOR RELAY
R 21
R 20
B225
LG 18
B/O 22
B/O
D
F27
RELAY HOLDER
20A
B9
C4 BR 7
E7 W 6
D4 W/B
M/B
B: B143 D: B144
C: F35 E: F36
FUEL INJECTOR RELAY
W/B 13
W/B 11
B564
LG 9
W/R 12
IG RELAY
G/L 7
G/L 8
B220
LG 9
L/B 6
L/B
E
MAIN RELAY
W 11
W 12
B220
LG 13
Y/L 10
Y/L
F
Y/L
G
Y/L
H
Y/L
I
ELECTRONIC THROTTLE CONTROL RELAY
L 15
Y/L 16
B225
R/L 17
G 14
ECM
A: B134
A36 W/R
A48 W/R
A38 LG
A12 Y/L
A24 Y/L
A39 R/L
A11 G
WI-44369


1g
1g
FB-32
F/B FUSE NO. 4
(IG)
MB-27
M/B FUSE NO. 13
(B)
MB-33
MAIN SBF
(B)
I
Y/L
G/Y
W
G
BRAKE PUMP FUSE
2
G
B564
30A
1
W/R
6
BRAKE PUMP RELAY
DATA LINK
CONNECTOR
8
G/Y
G/Y
Y/L
5
MT
CLUTCH SWITCH
1
2
B107
R/L
8
W/B
7
B564
MT
ECM
R/Y
A34
16
W
W
A23
B22
E3
W/B
B/W
B1
12
14
L
6
R
REF. TO CAN COMMUNICATION
SYSTEM [b]
A: B134
B: E158
5
B/R
W
R/L
L/B
B37
13
SB
Y/L
B3
10
4
B/Y
C: B360
C2
P
P
BR/Y
B45
8
B40
C10
B/R
B/R
J
BATTERY SENSOR
SB
2
W
1
B9
THROUGH JOINT
CONNECTOR
MT
B/R
B/Y
B20
B/Y
B/Y
9
DELIVERY MODE FUSE
E
B6
P
P
8
REF. TO GND [c]
B: F109
F27
C
B/R
MT

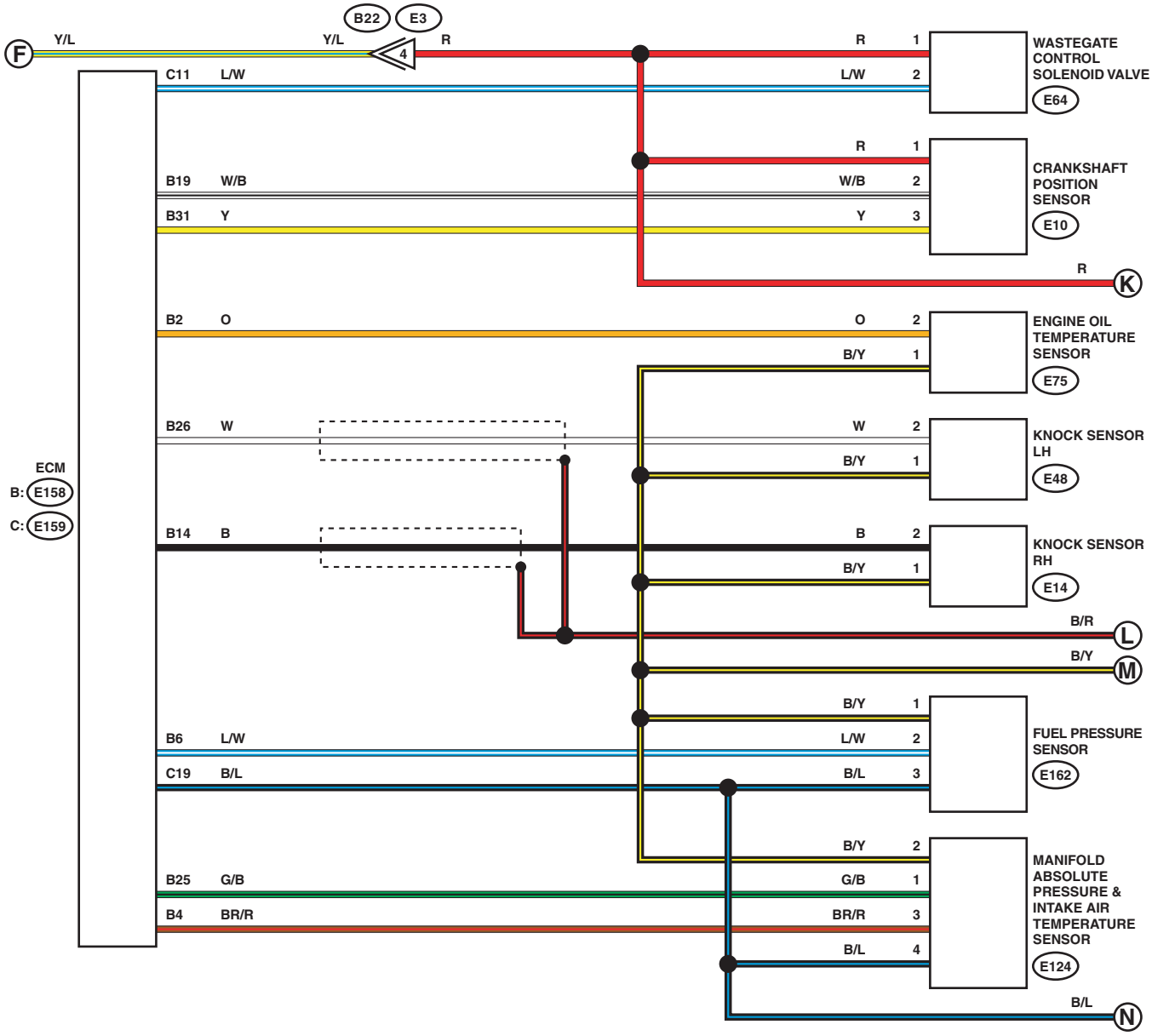
WI-44370



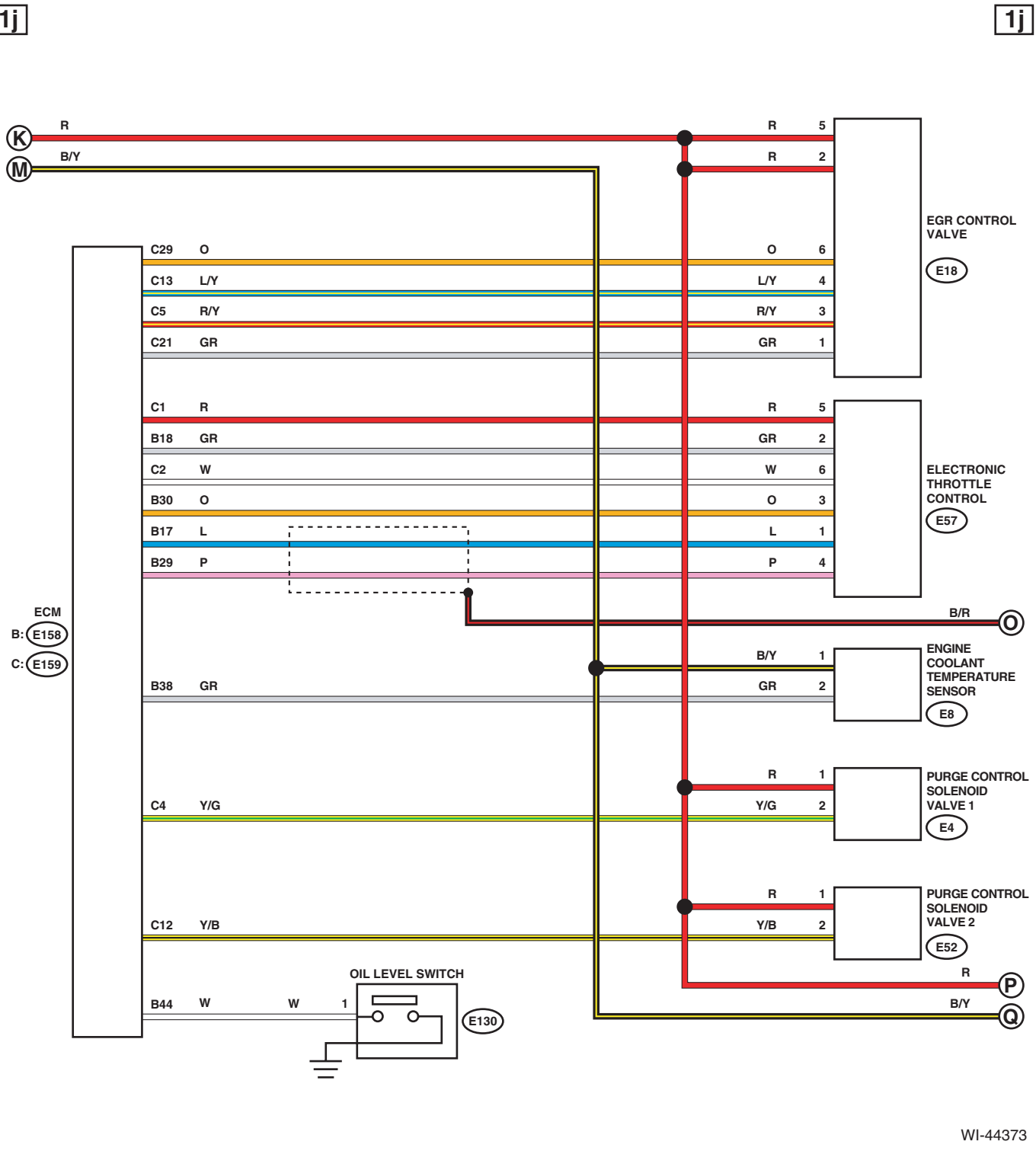
∗1 : TERMINAL No. OPTIONAL ARRANGEMENT

WI-44371

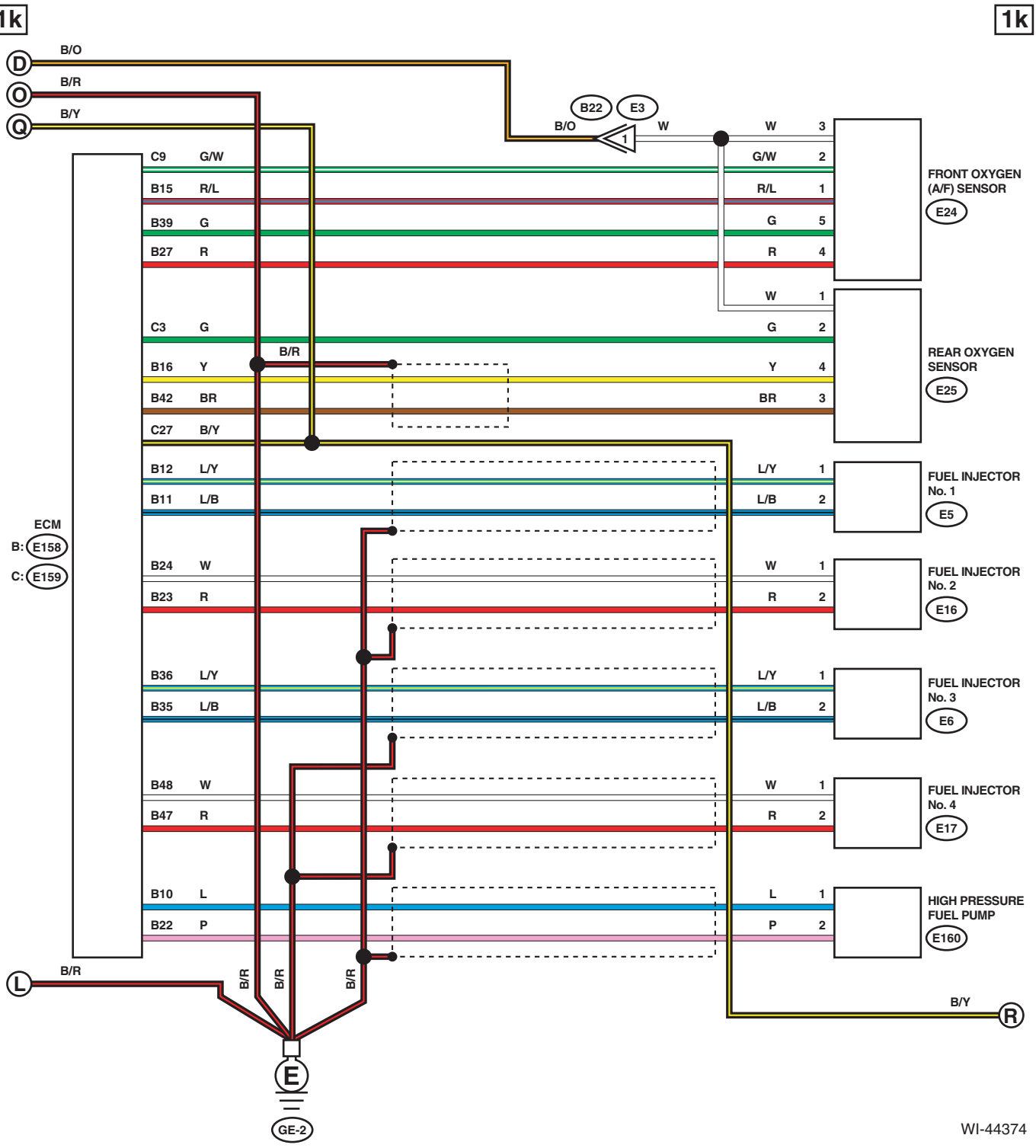
1i

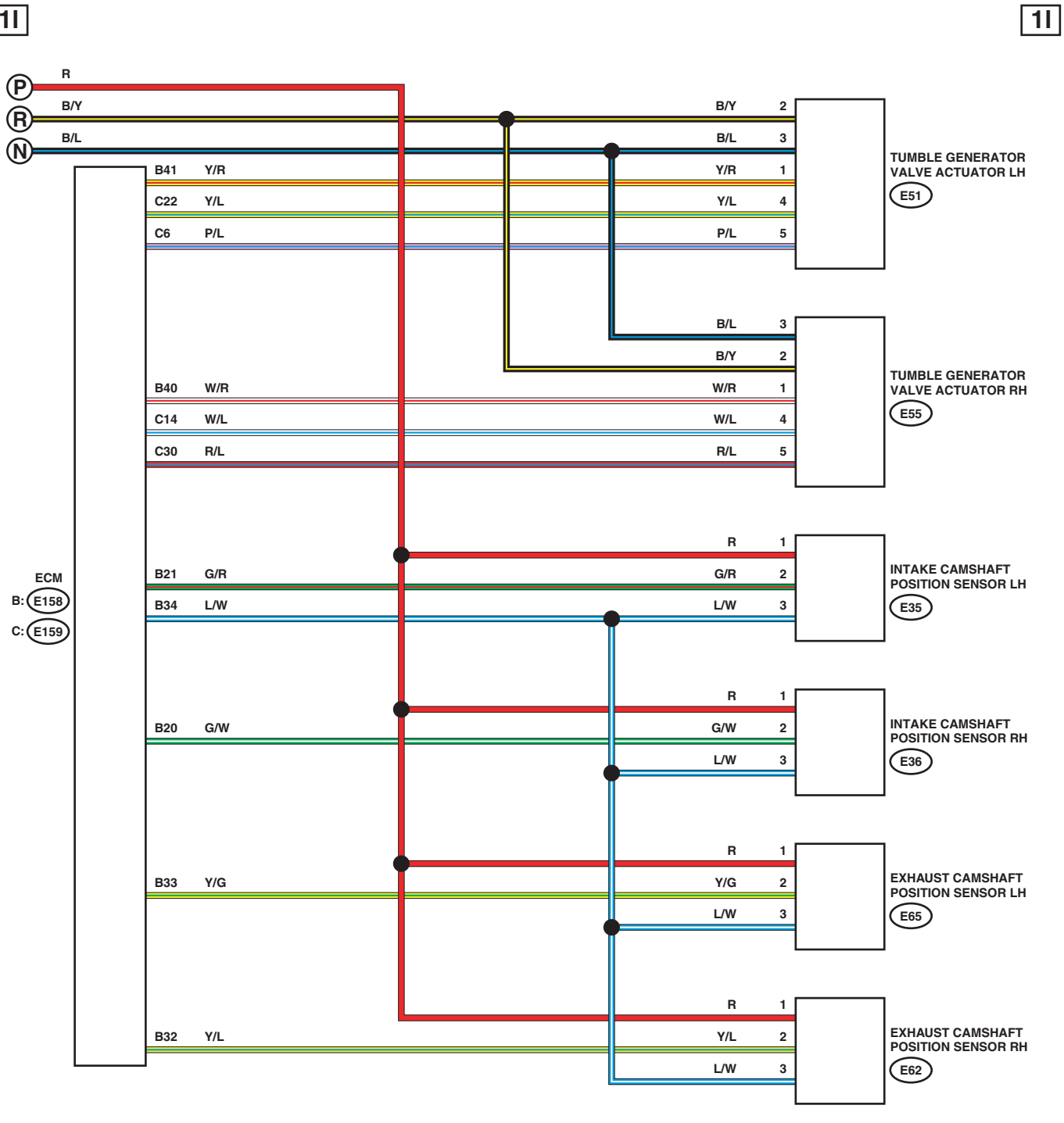

1i
B22
E3
F
Y/L
Y/L
4
R
C11
L/W
R 1
L/W 2
WASTEGATE CONTROL SOLENOID VALVE
E64
R 1
B19
W/B
W/B 2
B31
Y
Y 3
CRANKSHAFT POSITION SENSOR
E10
R
K
B2
O
O 2
ENGINE OIL TEMPERATURE SENSOR
B/Y 1
E75
B26
W
W 2
KNOCK SENSOR LH
B/Y 1
E48
ECM
B: E158
C: E159
B14
B
B 2
KNOCK SENSOR RH
B/Y 1
E14
B/R
L
B/Y
M
B/Y 1
B6
L/W
L/W 2
FUEL PRESSURE SENSOR
C19
B/L
B/L 3
E162
B/Y 2
B25
G/B
G/B 1
B4
BR/R
BR/R 3
MANIFOLD ABSOLUTE PRESSURE & INTAKE AIR TEMPERATURE SENSOR
B/L 4
E124
B/L
N

WI-44372

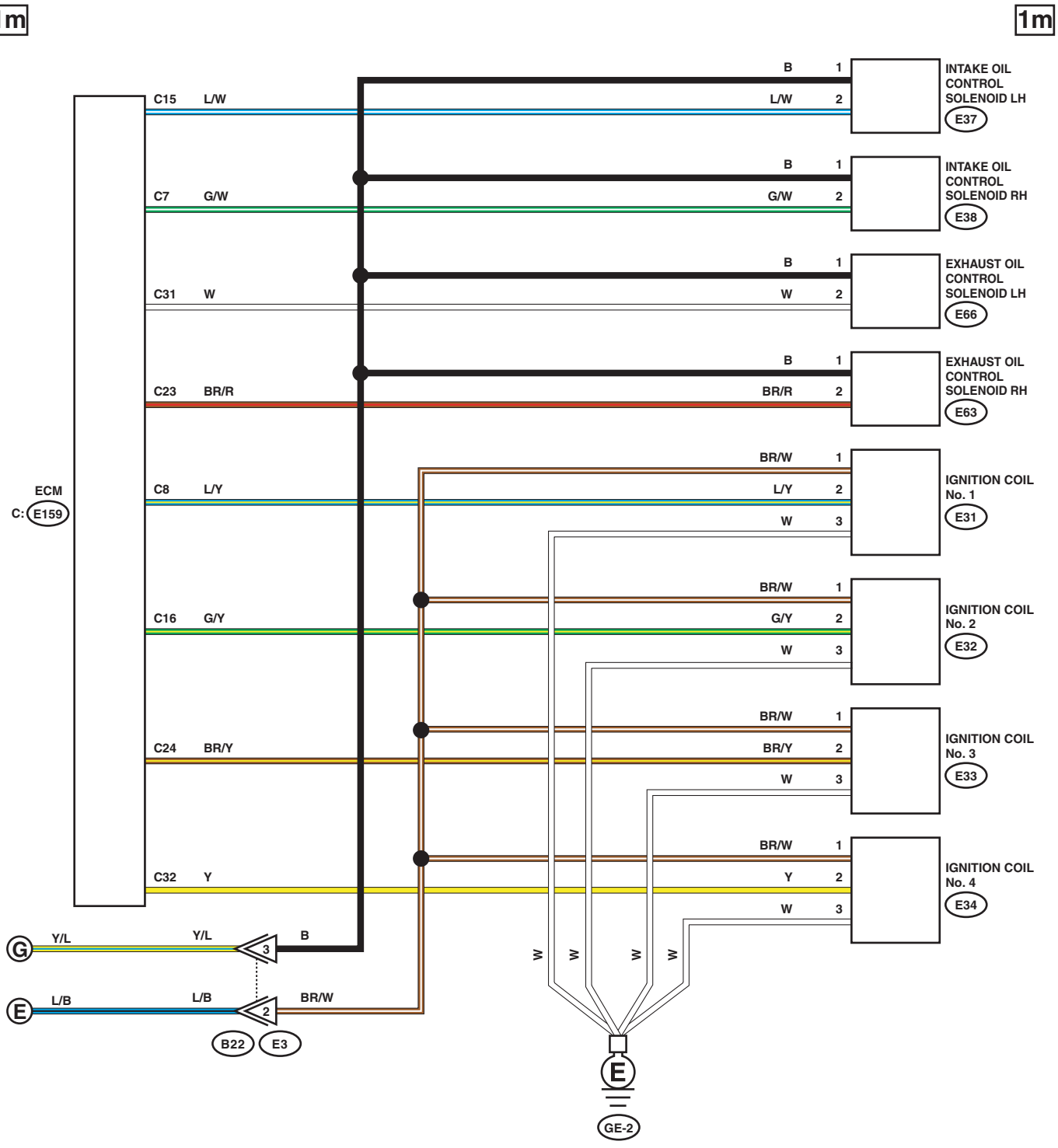

1j
1j
K
M
R
B/Y
C29 O
C13 L/Y
C5 R/Y
C21 GR
C1 R
B18 GR
C2 W
B30 O
B17 L
B29 P
B38 GR
C4 Y/G
C12 Y/B
B44 W
W 1
OIL LEVEL SWITCH
E130
ECM
B: E158
C: E159
R 5
R 2
O 6
L/Y 4
R/Y 3
GR 1
EGR CONTROL VALVE
E18
R 5
GR 2
W 6
O 3
L 1
P 4
ELECTRONIC THROTTLE CONTROL
E57
B/R
O
B/Y 1
GR 2
ENGINE COOLANT TEMPERATURE SENSOR
E8
R 1
Y/G 2
PURGE CONTROL SOLENOID VALVE 1
E4
R 1
Y/B 2
PURGE CONTROL SOLENOID VALVE 2
E52
R
P
B/Y
Q

WI-44373

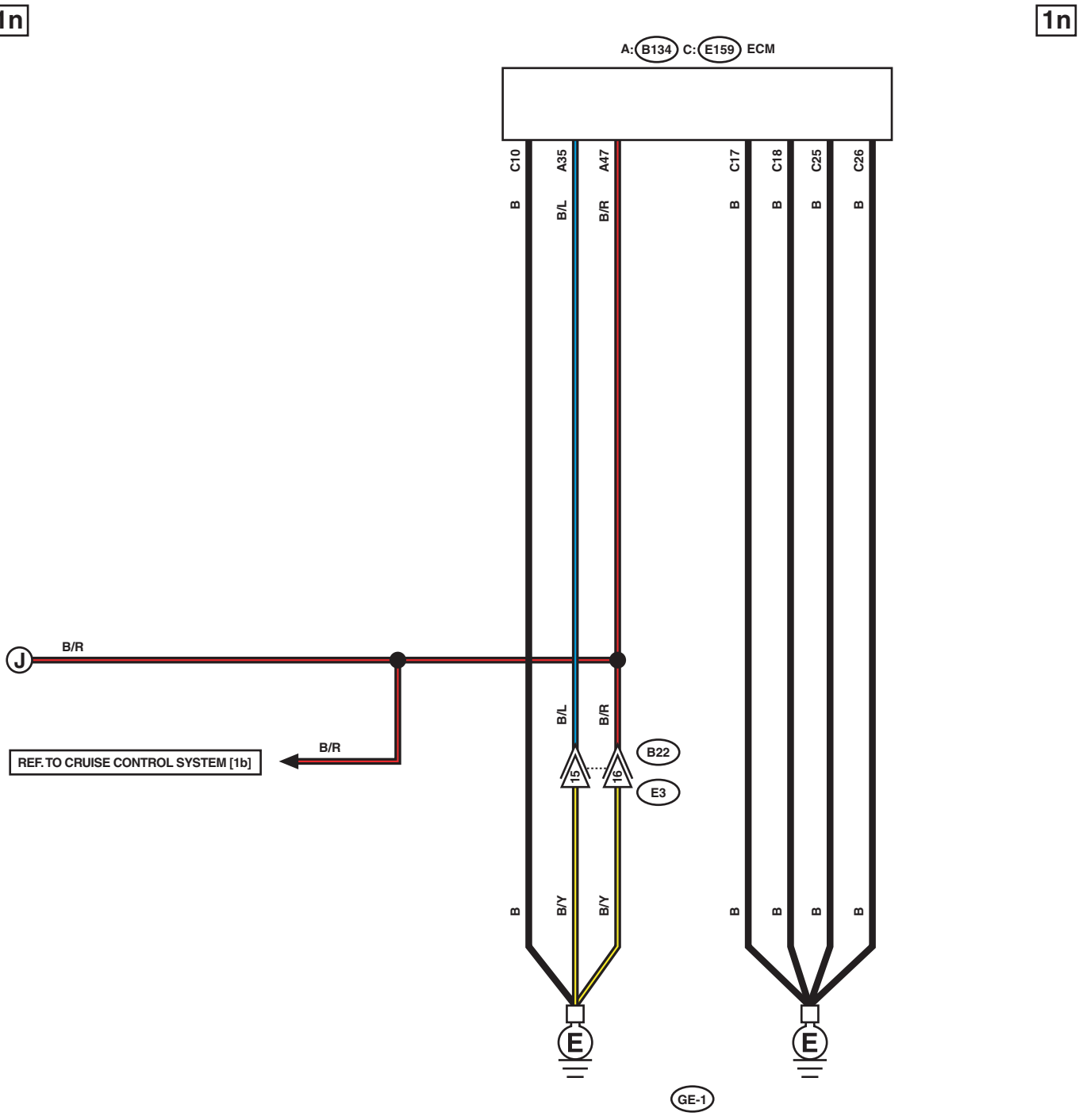

1k
1k
D
O
Q
B/O
B/R
B/Y
B22
E3
B/O
W
1
W 3
G/W 2
R/L 1
G 5
R 4
FRONT OXYGEN (A/F) SENSOR
E24
W 1
G 2
Y 4
BR 3
REAR OXYGEN SENSOR
E25
C9 G/W
B15 R/L
B39 G
B27 R
C3 G
B16 Y
B42 BR
C27 B/Y
B/R
B12 L/Y
B11 L/B
L/Y 1
L/B 2
FUEL INJECTOR No. 1
E5
ECM
B: E158
C: E159
B24 W
B23 R
W 1
R 2
FUEL INJECTOR No. 2
E16
B36 L/Y
B35 L/B
L/Y 1
L/B 2
FUEL INJECTOR No. 3
E6
B48 W
B47 R
W 1
R 2
FUEL INJECTOR No. 4
E17
B10 L
B22 P
L 1
P 2
HIGH PRESSURE FUEL PUMP
E160
L
B/R
B/R
B/R
B/R
B/Y
R
E
GE-2
WI-44374


1I
1I
P
R
N
R
B/Y
B/L
B41 Y/R
C22 Y/L
C6 P/L
B40 W/R
C14 W/L
C30 R/L
B21 G/R
B34 L/W
B20 G/W
B33 Y/G
B32 Y/L
ECM
B: E158
C: E159
B/Y 2
B/L 3
Y/R 1
Y/L 4
P/L 5
TUMBLE GENERATOR VALVE ACTUATOR LH
E51
B/L 3
B/Y 2
W/R 1
W/L 4
R/L 5
TUMBLE GENERATOR VALVE ACTUATOR RH
E55
R 1
G/R 2
L/W 3
INTAKE CAMSHAFT POSITION SENSOR LH
E35
R 1
G/W 2
L/W 3
INTAKE CAMSHAFT POSITION SENSOR RH
E36
R 1
Y/G 2
L/W 3
EXHAUST CAMSHAFT POSITION SENSOR LH
E65
R 1
Y/L 2
L/W 3
EXHAUST CAMSHAFT POSITION SENSOR RH
E62

WI-44375


1m
1m
ECM
C: E159
C15 L/W
C7 G/W
C31 W
C23 BR/R
C8 L/Y
C16 G/Y
C24 BR/Y
C32 Y
B 1
L/W 2
INTAKE OIL CONTROL SOLENOID LH
E37
B 1
G/W 2
INTAKE OIL CONTROL SOLENOID RH
E38
B 1
W 2
EXHAUST OIL CONTROL SOLENOID LH
E66
B 1
BR/R 2
EXHAUST OIL CONTROL SOLENOID RH
E63
BR/W 1
L/Y 2
W 3
IGNITION COIL No. 1
E31
BR/W 1
G/Y 2
W 3
IGNITION COIL No. 2
E32
BR/W 1
BR/Y 2
W 3
IGNITION COIL No. 3
E33
BR/W 1
Y 2
W 3
IGNITION COIL No. 4
E34
G Y/L
Y/L
3
B
E L/B
L/B
2
BR/W
B22
E3
W W W W
E
GE-2

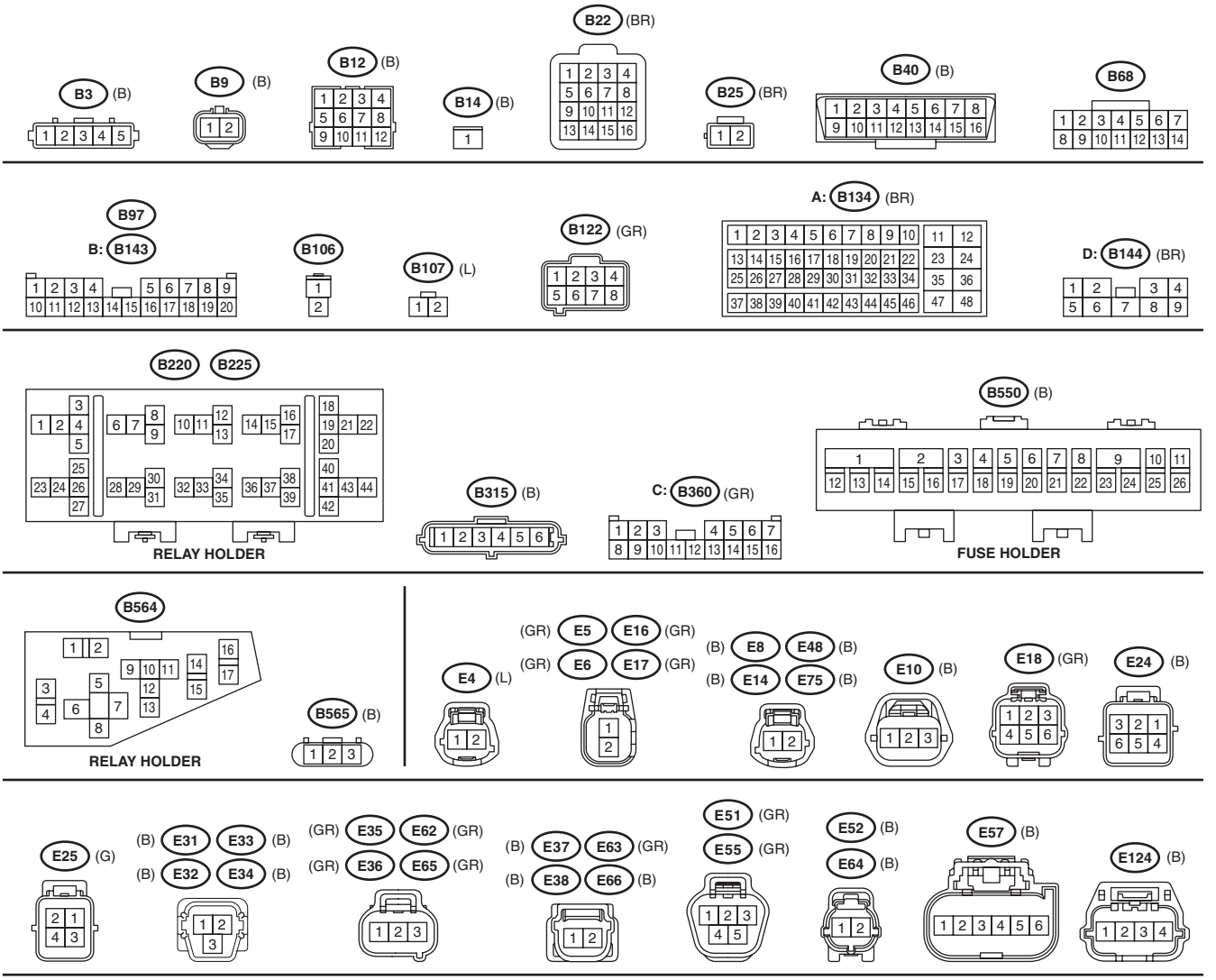
WI-44376


1n
1n
A: B134 C: E159 ECM
C10
A35
A47
C17
C18
C25
C26
B
B/L
B/R
B
B
B
B
J
B/R
REF. TO CRUISE CONTROL SYSTEM [1b]
B/R
B/L
B/R
B22
15
16
E3
B
B/Y
B/Y
B
B
B
B
E
E
GE-1

WI-44377

1o 1o

LIST OF CONNECTORS

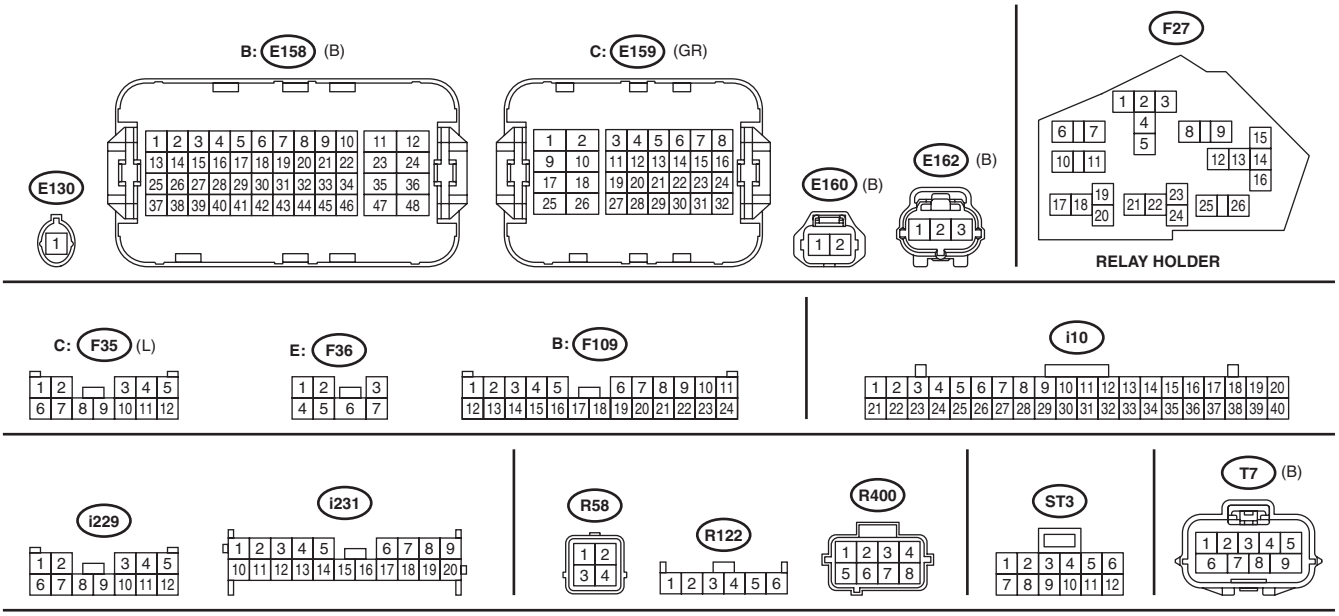


WI-44378

1p

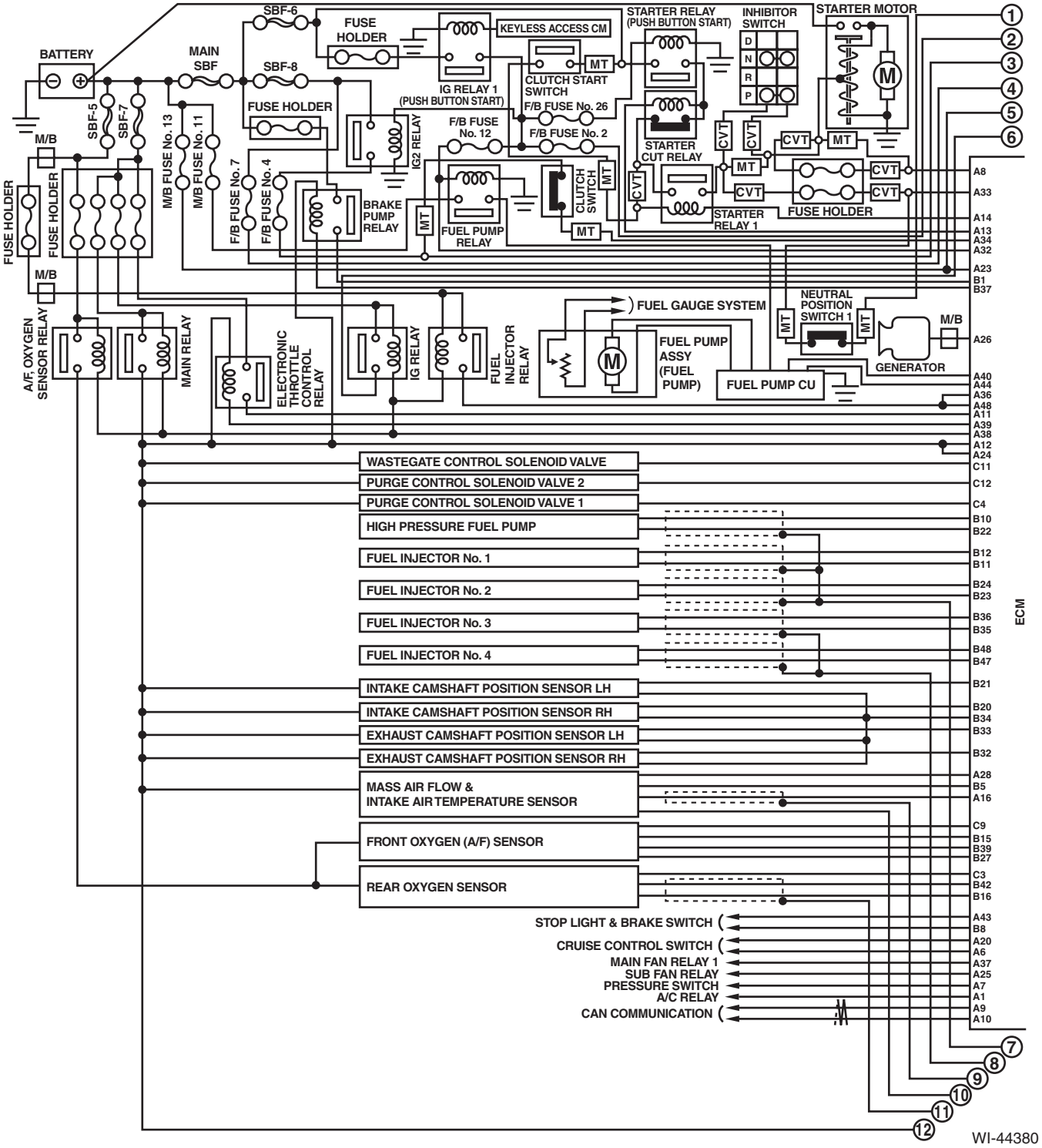
1p

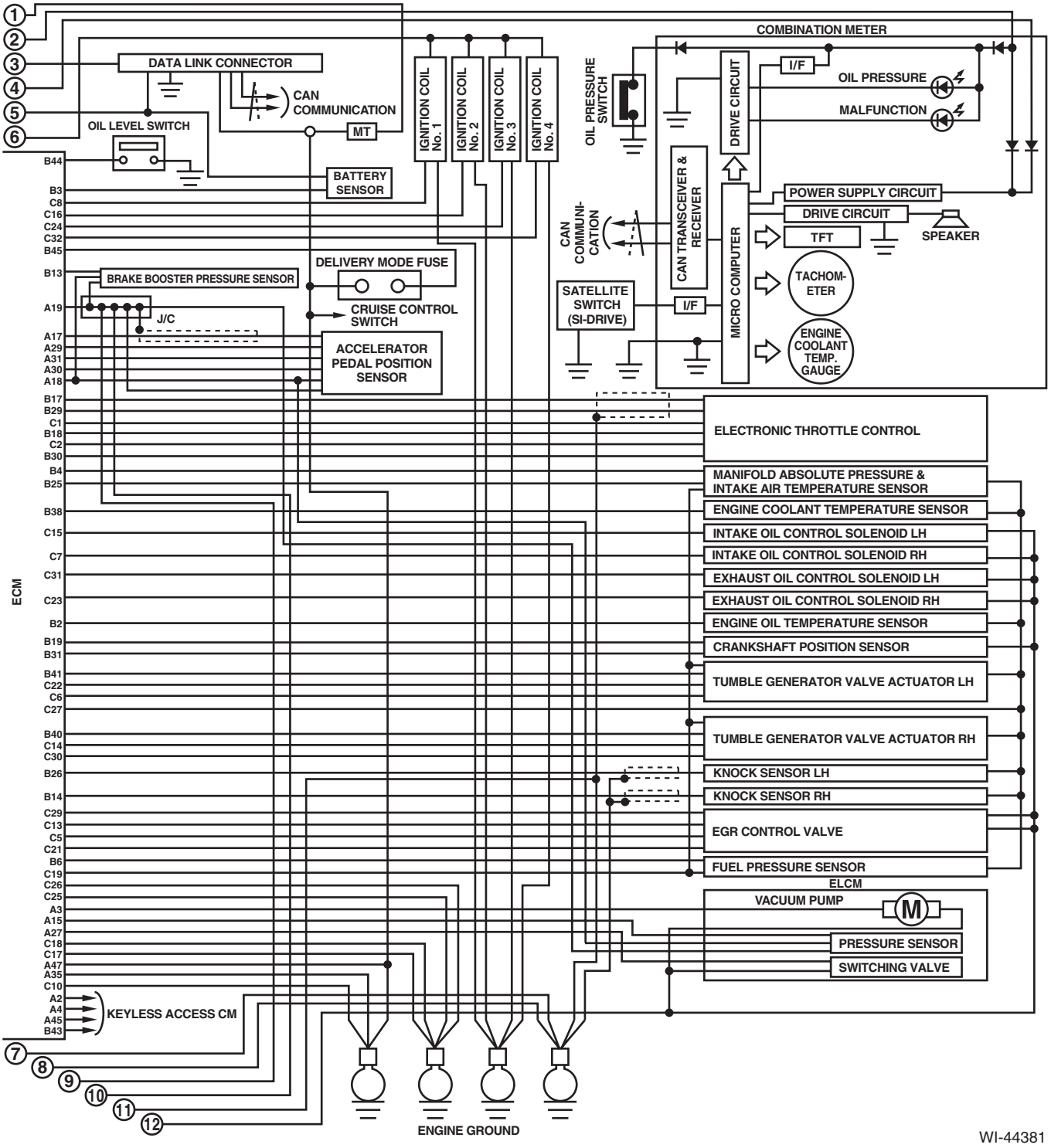
LIST OF CONNECTORS

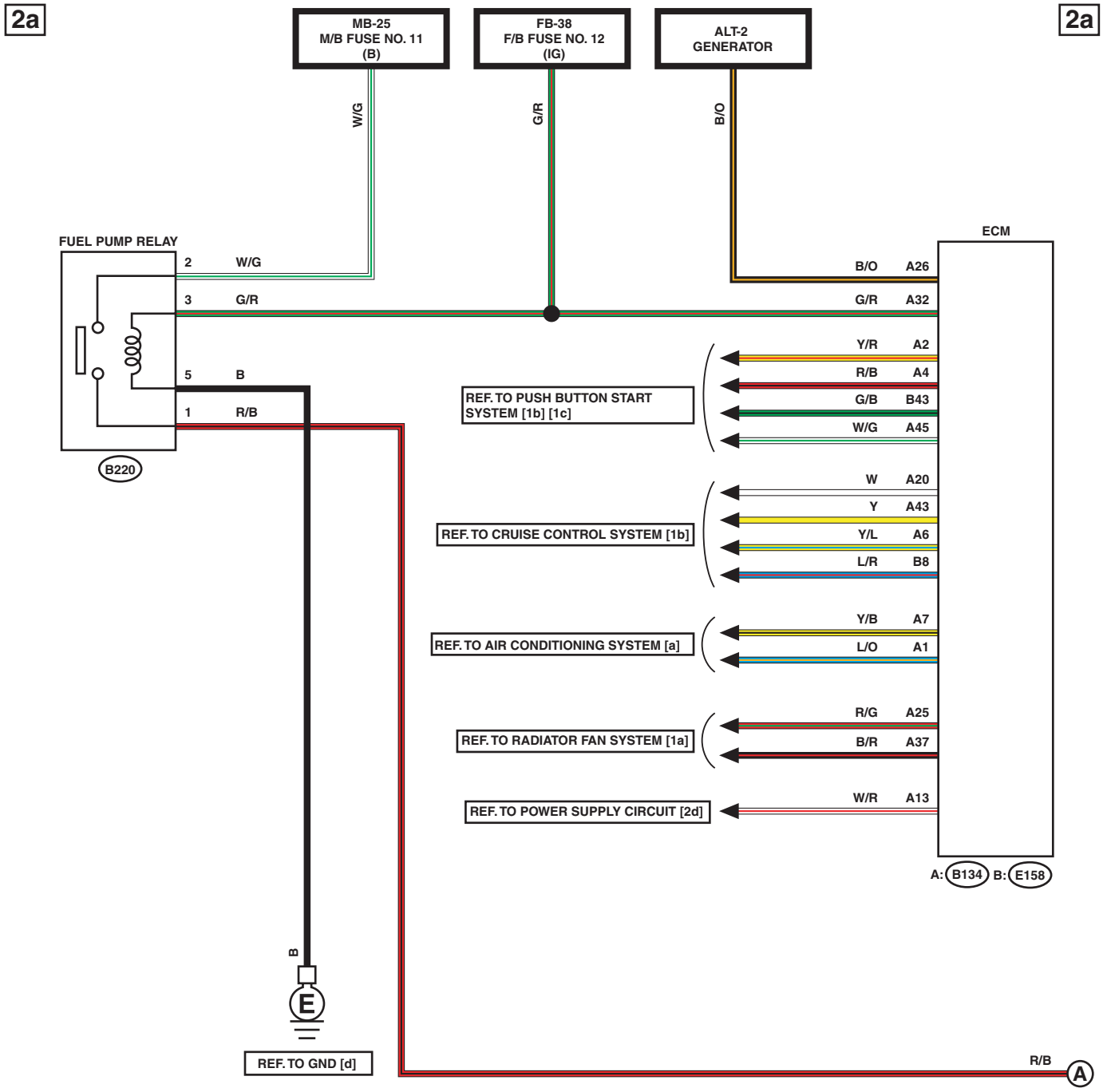


WI-44379

2. ENGINE TYPE FA (WITH PUSH BUTTON START)

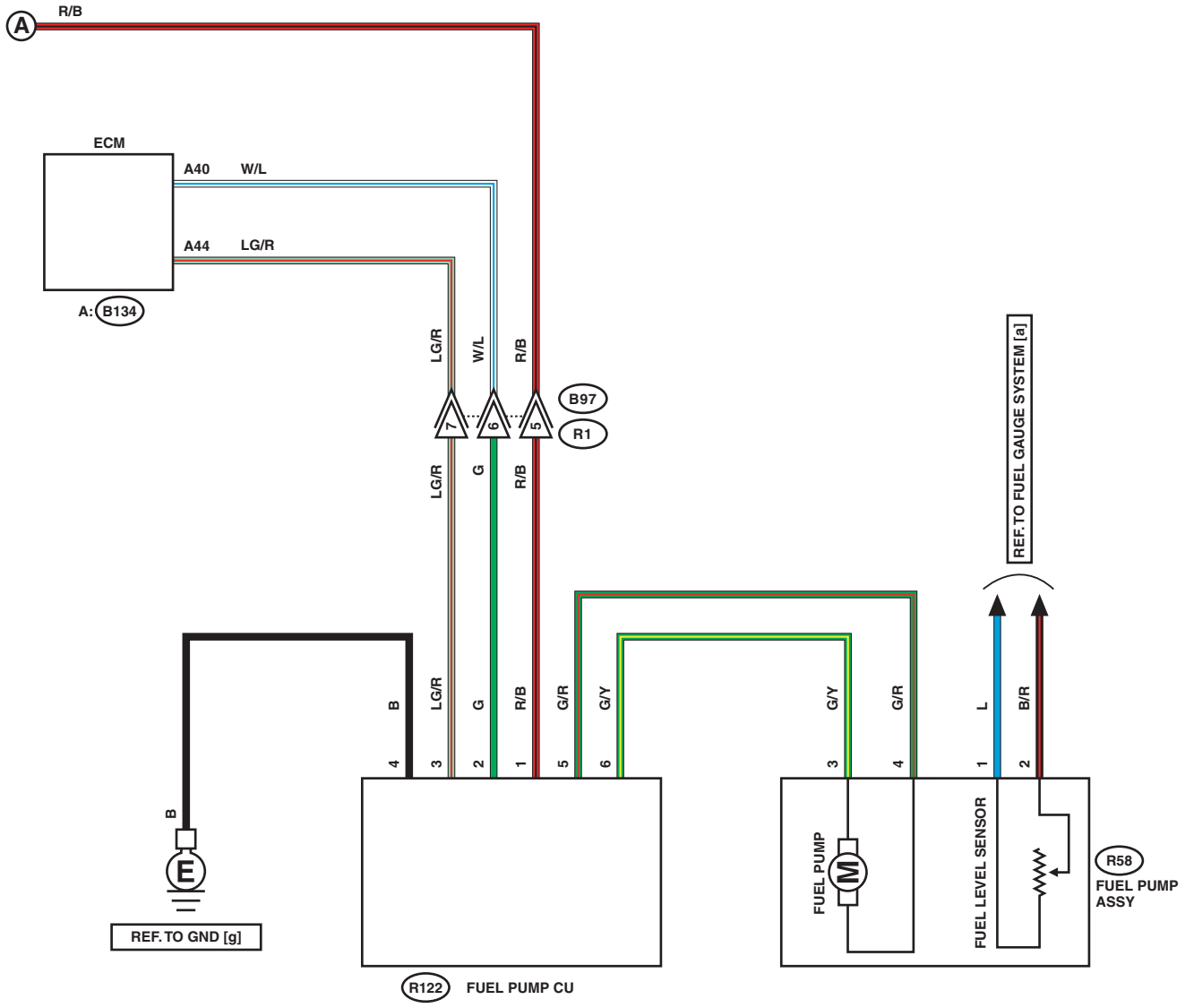



COMBINATION METER
DATA LINK CONNECTOR
CAN COMMUNICATION
MT
OIL LEVEL SWITCH
BATTERY SENSOR
IGNITION COIL No. 1
IGNITION COIL No. 2
IGNITION COIL No. 3
IGNITION COIL No. 4
OIL PRESSURE SWITCH
DRIVE CIRCUIT
I/F
OIL PRESSURE
MALFUNCTION
POWER SUPPLY CIRCUIT
DRIVE CIRCUIT
TFT
SPEAKER
CAN COMMUNI-CATION
CAN TRANSCEIVER & RECEIVER
MICRO COMPUTER
TACHOM-ETER
ENGINE COOLANT TEMP. GAUGE
SATELLITE SWITCH (SI-DRIVE)
I/F
DELIVERY MODE FUSE
BRAKE BOOSTER PRESSURE SENSOR
CRUISE CONTROL SWITCH
J/C
ACCELERATOR PEDAL POSITION SENSOR
ECM
ELECTRONIC THROTTLE CONTROL
MANIFOLD ABSOLUTE PRESSURE & INTAKE AIR TEMPERATURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
INTAKE OIL CONTROL SOLENOID LH
INTAKE OIL CONTROL SOLENOID RH
EXHAUST OIL CONTROL SOLENOID LH
EXHAUST OIL CONTROL SOLENOID RH
ENGINE OIL TEMPERATURE SENSOR
CRANKSHAFT POSITION SENSOR
TUMBLE GENERATOR VALVE ACTUATOR LH
TUMBLE GENERATOR VALVE ACTUATOR RH
KNOCK SENSOR LH
KNOCK SENSOR RH
EGR CONTROL VALVE
FUEL PRESSURE SENSOR
ELCM
VACUUM PUMP
M
PRESSURE SENSOR
SWITCHING VALVE
KEYLESS ACCESS CM
ENGINE GROUND
WI-44381

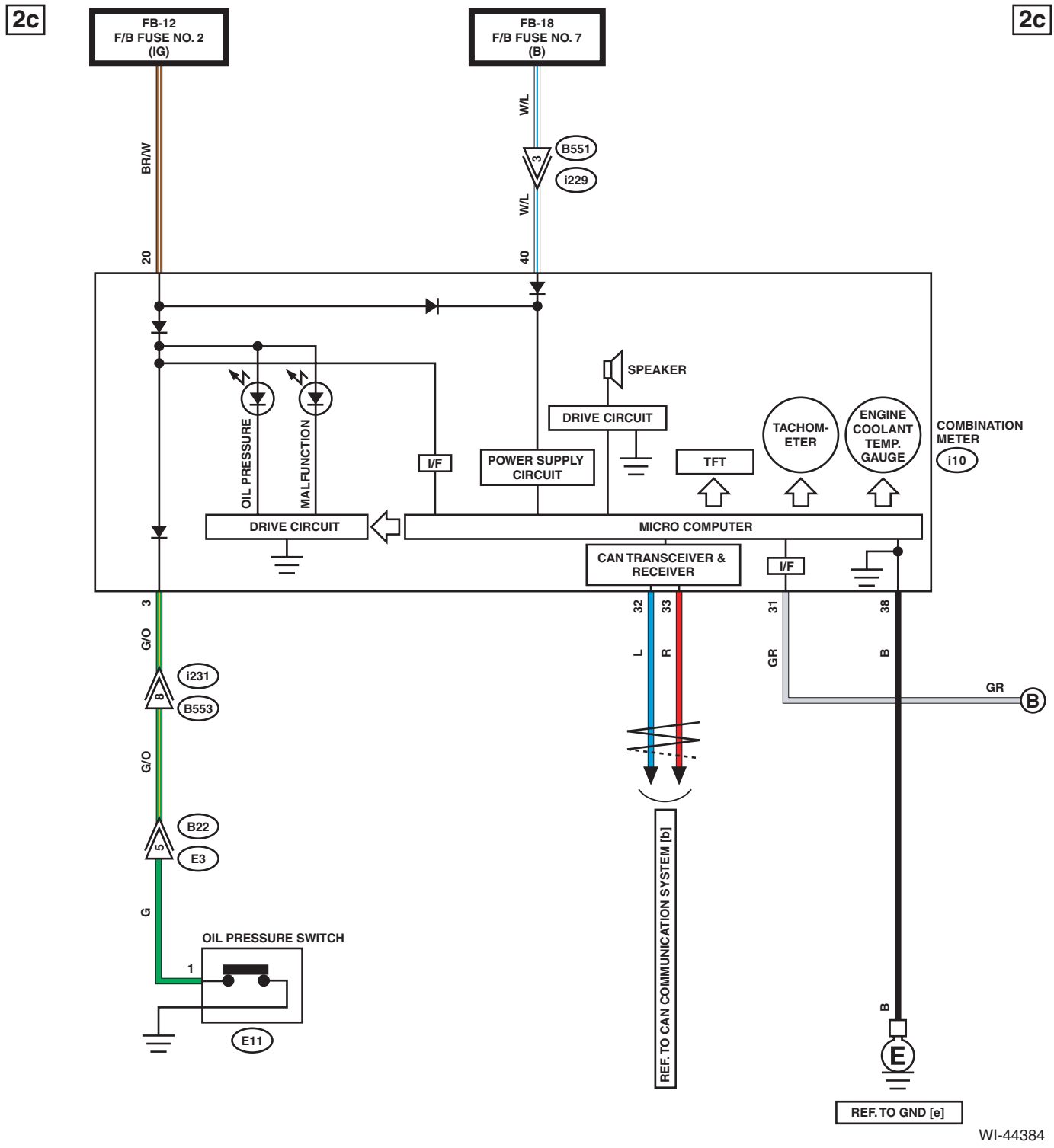

2a
2a
MB-25
M/B FUSE NO. 11
(B)
FB-38
F/B FUSE NO. 12
(IG)
ALT-2
GENERATOR
W/G
G/R
B/O
FUEL PUMP RELAY
2 W/G
3 G/R
5 B
1 R/B
B220
ECM
B/O A26
G/R A32
Y/R A2
R/B A4
G/B B43
W/G A45
REF. TO PUSH BUTTON START SYSTEM [1b] [1c]
W A20
Y A43
Y/L A6
L/R B8
REF. TO CRUISE CONTROL SYSTEM [1b]
Y/B A7
L/O A1
REF. TO AIR CONDITIONING SYSTEM [a]
R/G A25
B/R A37
REF. TO RADIATOR FAN SYSTEM [1a]
W/R A13
REF. TO POWER SUPPLY CIRCUIT [2d]
A: B134 B: E158
B
E
REF. TO GND [d]
R/B
A

WI-44382

2b 2b

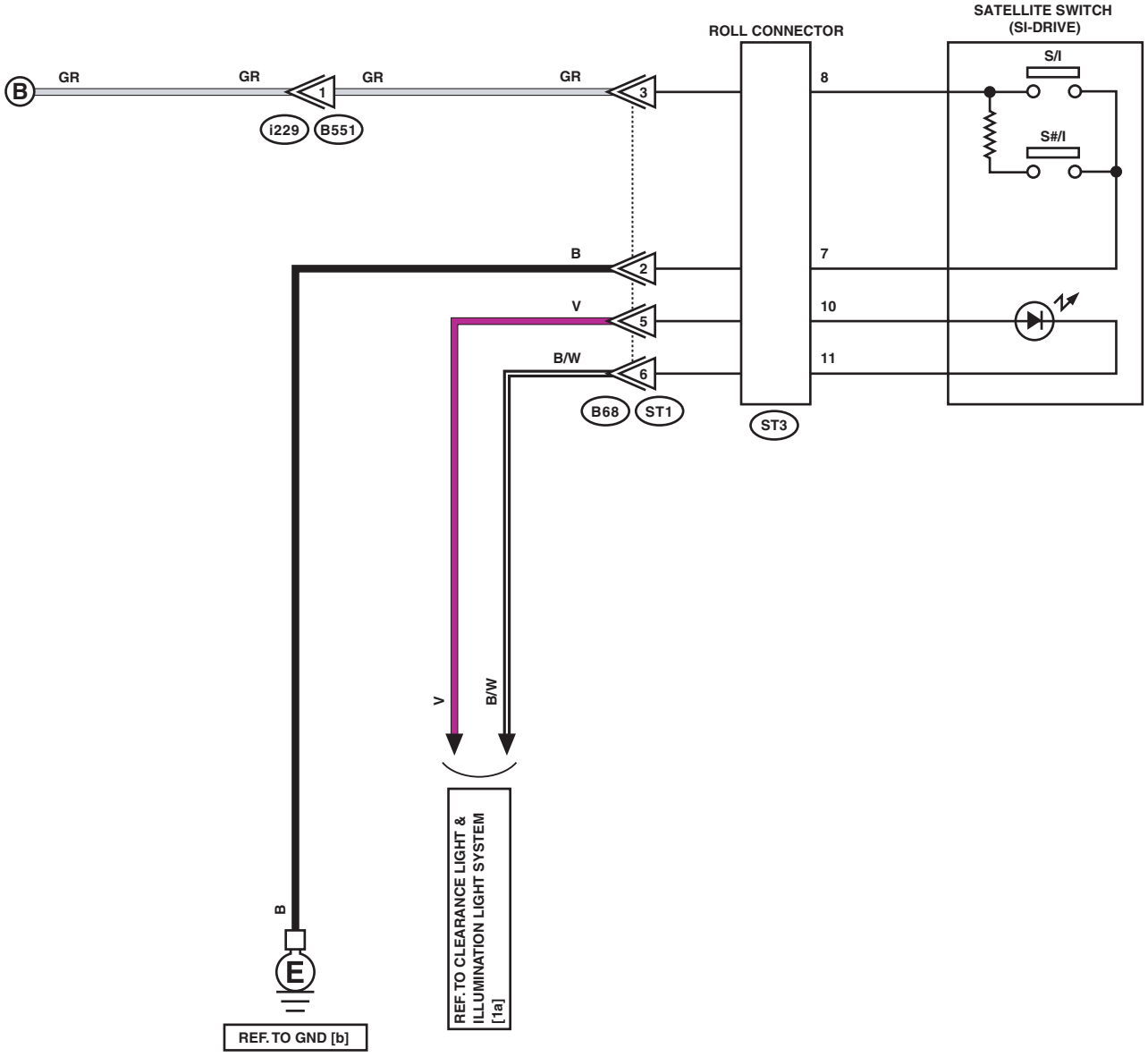


WI-44383

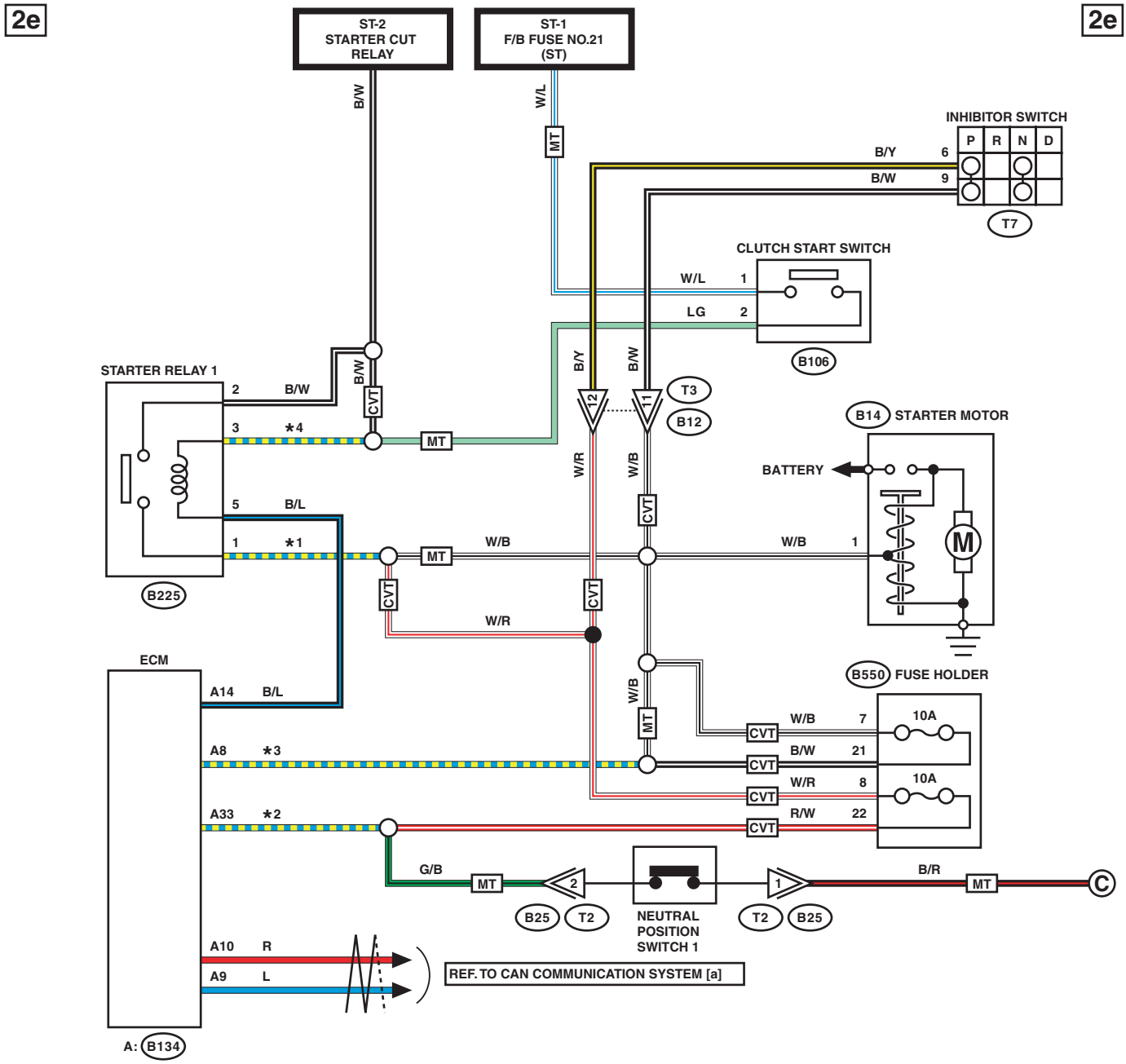

2c
2c
FB-12
F/B FUSE NO. 2
(IG)
FB-18
F/B FUSE NO. 7
(B)
BR/W
20
W/L
B551
i229
W/L
40
SPEAKER
DRIVE CIRCUIT
TACHOM-
ETER
ENGINE
COOLANT
TEMP.
GAUGE
COMBINATION
METER
i10
OIL PRESSURE
MALFUNCTION
I/F
POWER SUPPLY
CIRCUIT
TFT
DRIVE CIRCUIT
MICRO COMPUTER
CAN TRANSCEIVER &
RECEIVER
I/F
3
G/O
i231
B553
G/O
B22
E3
G
OIL PRESSURE SWITCH
1
E11
32
L
33
R
31
GR
38
B
GR
B
B
E
REF. TO CAN COMMUNICATION SYSTEM [b]
REF. TO GND [e]
WI-44384

2d

2d



WI-44385



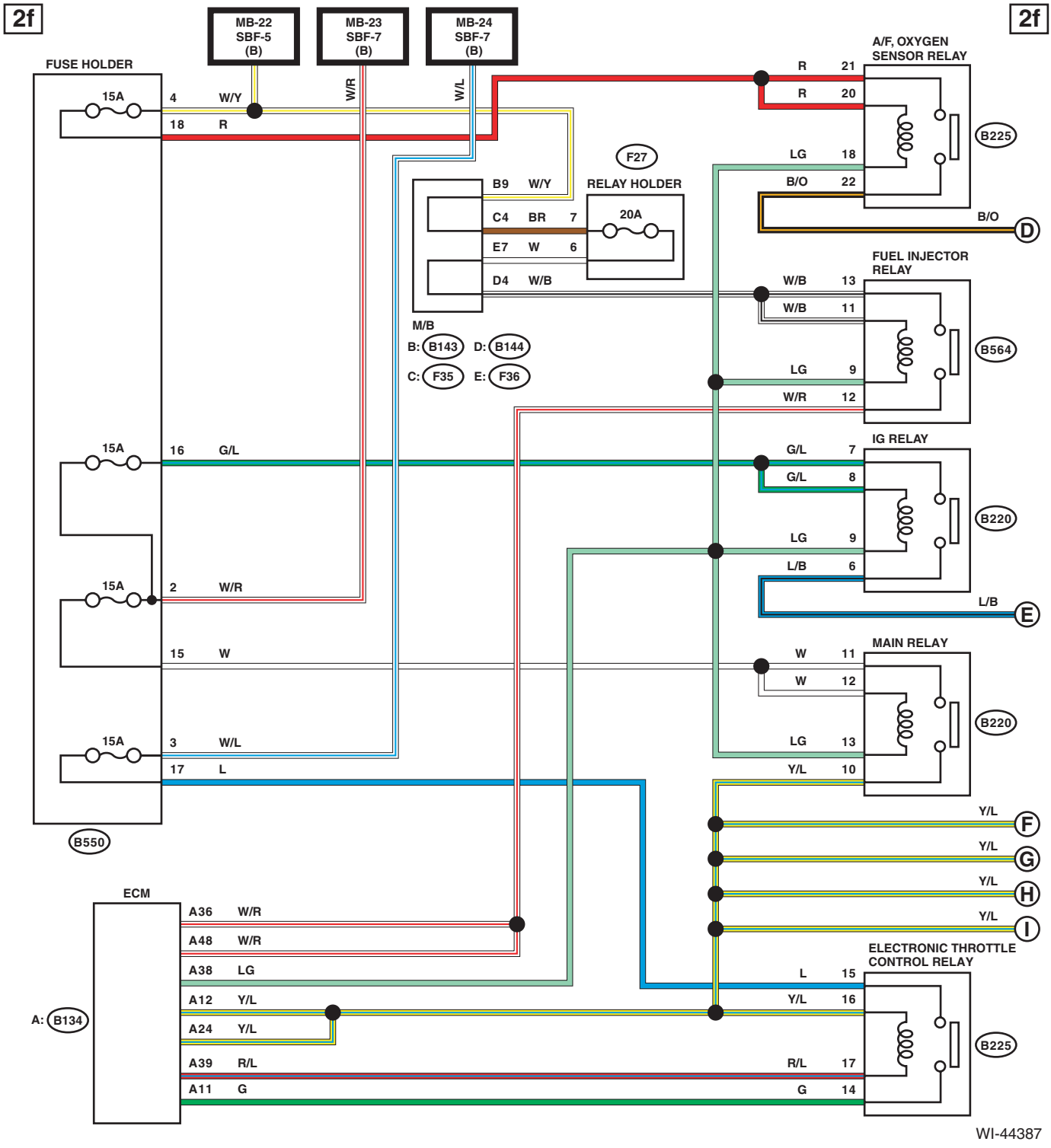
✶1 : MT MODEL : W/B
CVT MODEL : W/R

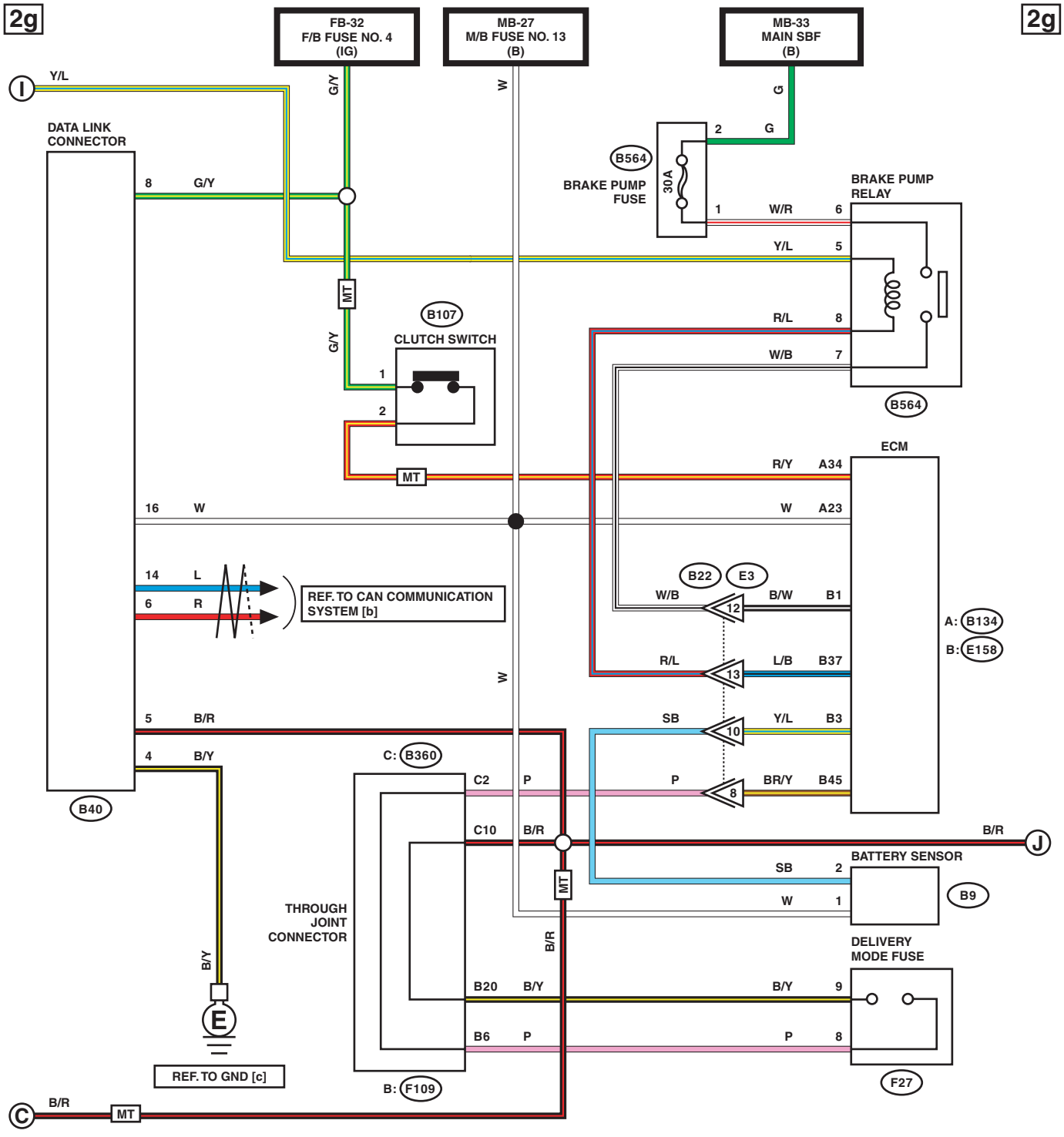
✶2 : MT MODEL : G/B
CVT MODEL : R/W

✶3 : MT MODEL : W/B
CVT MODEL : B/W

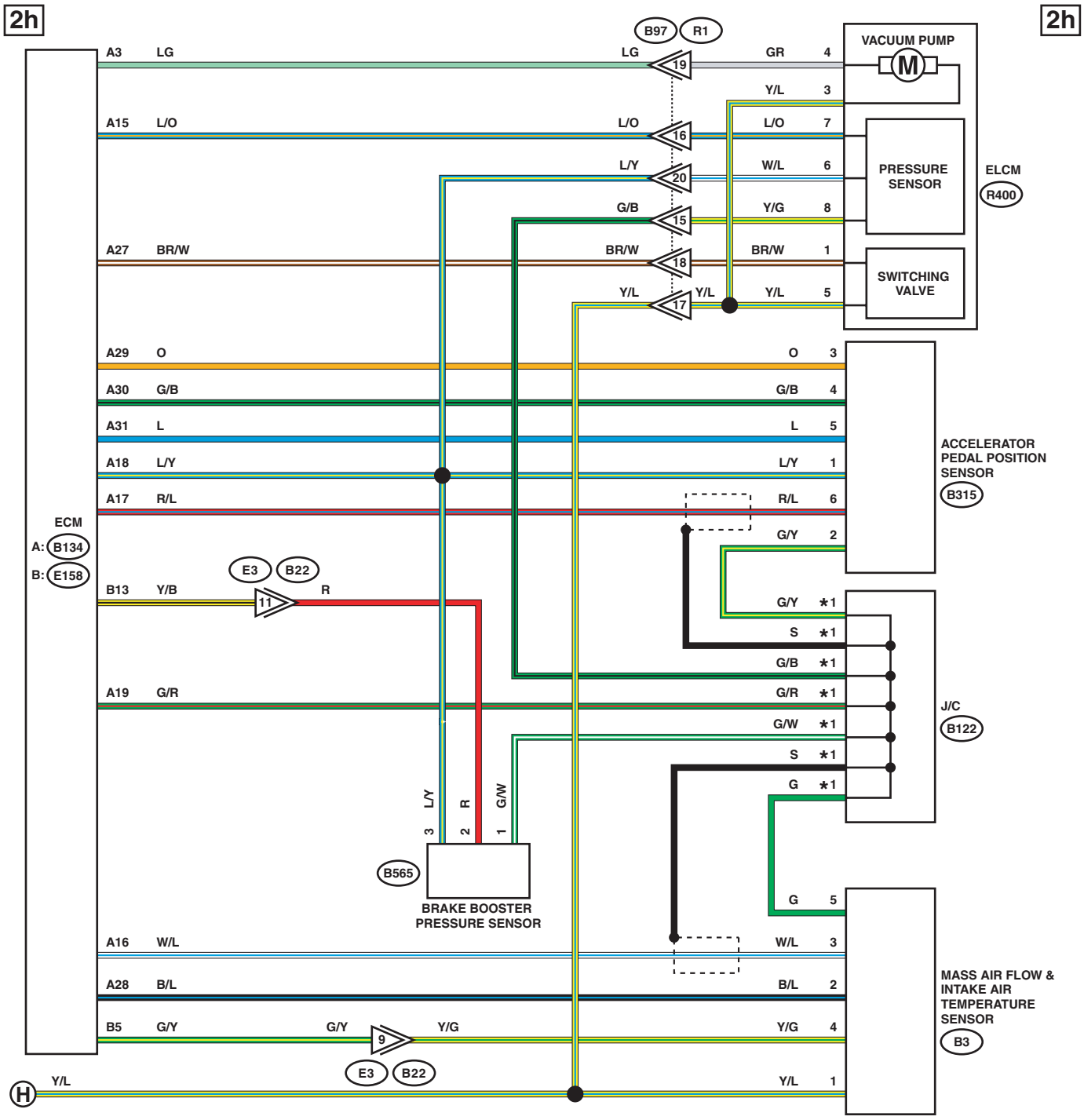
✶4 : MT MODEL : LG
CVT MODEL : B/W

WI-44386


2f
2f
MB-22 SBF-5 (B)
MB-23 SBF-7 (B)
MB-24 SBF-7 (B)
FUSE HOLDER
15A
4 W/Y
18 R
W/R
W/L
A/F, OXYGEN SENSOR RELAY
R 21
R 20
B225
LG 18
B/O 22
B/O
D
F27
RELAY HOLDER
20A
B9 W/Y
C4 BR 7
E7 W 6
D4 W/B
FUEL INJECTOR RELAY
W/B 13
W/B 11
B564
LG 9
W/R 12
M/B
B: B143 D: B144
C: F35 E: F36
IG RELAY
15A
16 G/L
G/L 7
G/L 8
B220
LG 9
L/B 6
L/B
E
15A
2 W/R
15 W
MAIN RELAY
W 11
W 12
B220
15A
3 W/L
17 L
LG 13
Y/L 10
B550
Y/L
F
Y/L
G
Y/L
H
Y/L
I
ECM
A36 W/R
A48 W/R
A38 LG
A12 Y/L
A24 Y/L
A39 R/L
A11 G
A: B134
ELECTRONIC THROTTLE CONTROL RELAY
L 15
Y/L 16
R/L 17
G 14
B225
WI-44387


2g
2g
FB-32
F/B FUSE NO. 4
(IG)
MB-27
M/B FUSE NO. 13
(B)
MB-33
MAIN SBF
(B)
Y/L
G/Y
W
G
DATA LINK
CONNECTOR
8 G/Y
B564
BRAKE PUMP
FUSE
30A
2 G
1 W/R 6
BRAKE PUMP
RELAY
Y/L 5
MT
B107
CLUTCH SWITCH
G/Y
1
2
R/L 8
W/B 7
B564
ECM
MT
R/Y A34
16 W
W A23
14 L
6 R
REF. TO CAN COMMUNICATION
SYSTEM [b]
B22 E3
W/B
12
B/W B1
A: B134
B: E158
R/L
13
L/B B37
W
5 B/R
SB
10
Y/L B3
4 B/Y
C: B360
C2 P
P
8
BR/Y B45
B40
C10 B/R
B/R
J
BATTERY SENSOR
SB 2
MT
B9
W 1
THROUGH
JOINT
CONNECTOR
B/R
DELIVERY
MODE FUSE
B/Y
B20 B/Y
B/Y 9
E
B6 P
P 8
F27
REF. TO GND [c]
B: F109
C
B/R
MT

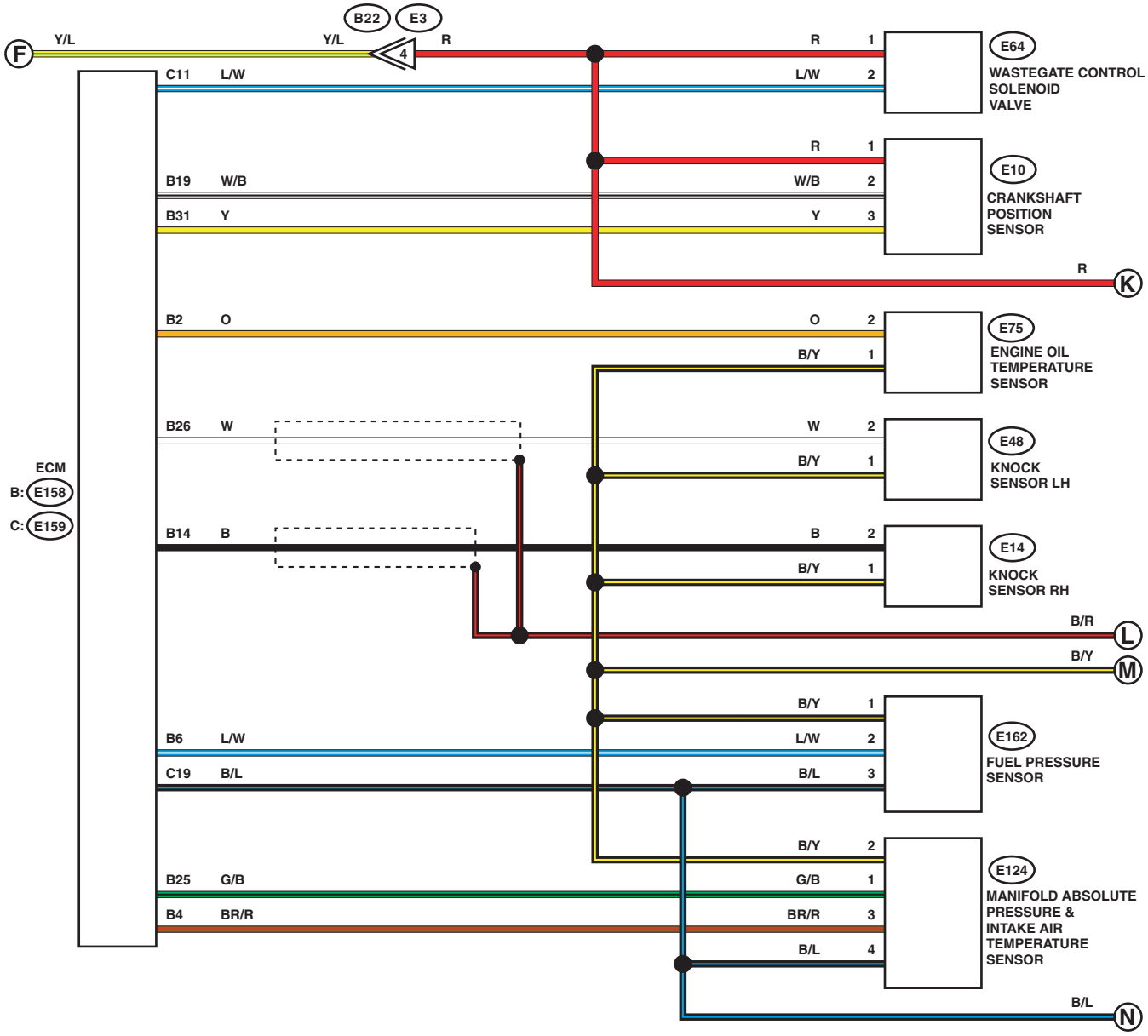
WI-44388



∗1 : TERMINAL No. OPTIONAL ARRANGEMENT

WI-44389

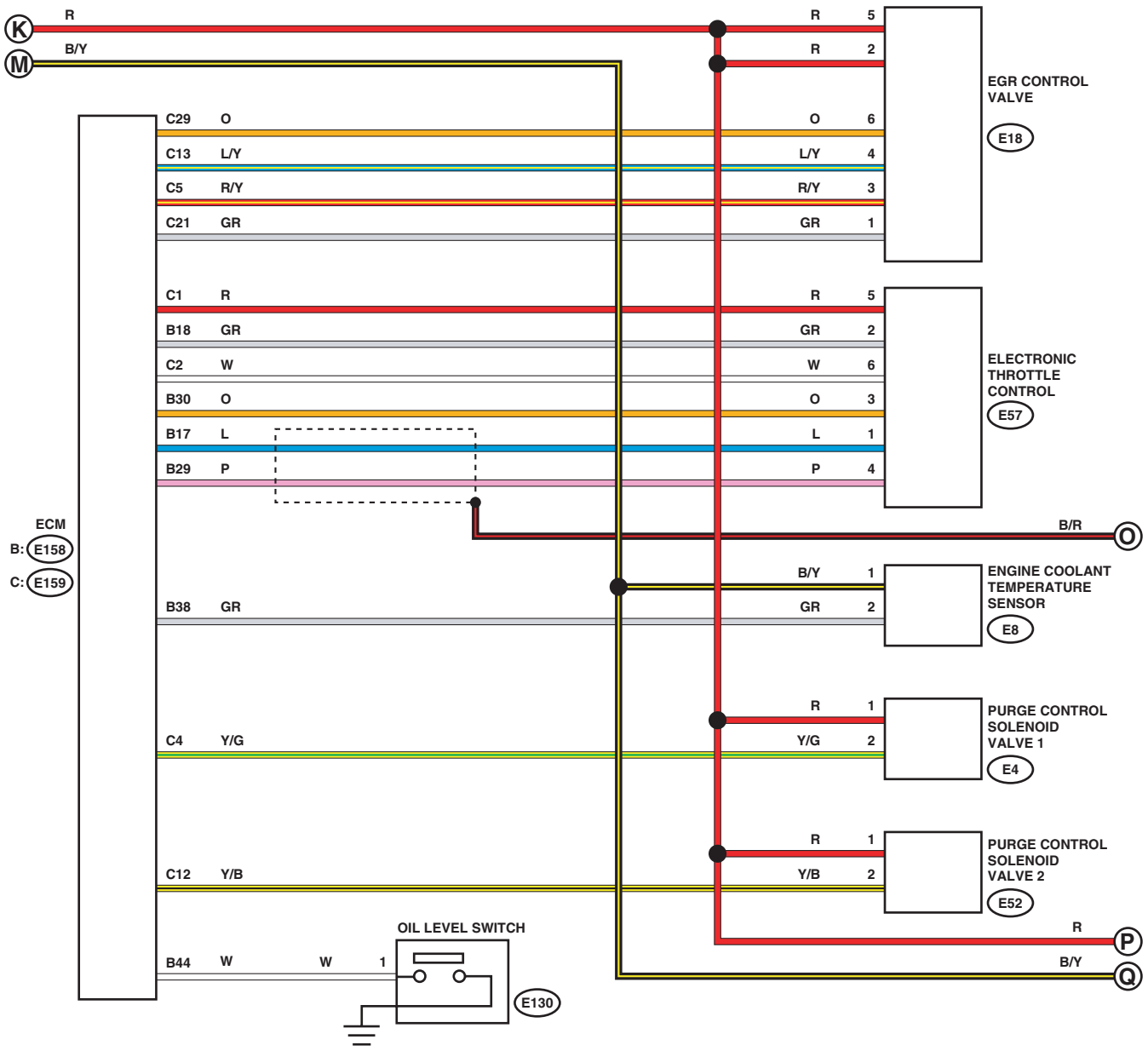
2i


2i
B22
E3
F
Y/L
Y/L
4
R
C11
L/W
R 1
L/W 2
E64
WASTEGATE CONTROL SOLENOID VALVE
R 1
B19
W/B
W/B 2
B31
Y
Y 3
E10
CRANKSHAFT POSITION SENSOR
R
K
B2
O
O 2
B/Y 1
E75
ENGINE OIL TEMPERATURE SENSOR
B26
W
W 2
B/Y 1
E48
KNOCK SENSOR LH
ECM
B: E158
C: E159
B14
B
B 2
B/Y 1
E14
KNOCK SENSOR RH
B/R
L
B/Y
M
B/Y 1
B6
L/W
L/W 2
C19
B/L
B/L 3
E162
FUEL PRESSURE SENSOR
B/Y 2
B25
G/B
G/B 1
B4
BR/R
BR/R 3
B/L 4
E124
MANIFOLD ABSOLUTE PRESSURE & INTAKE AIR TEMPERATURE SENSOR
B/L
N

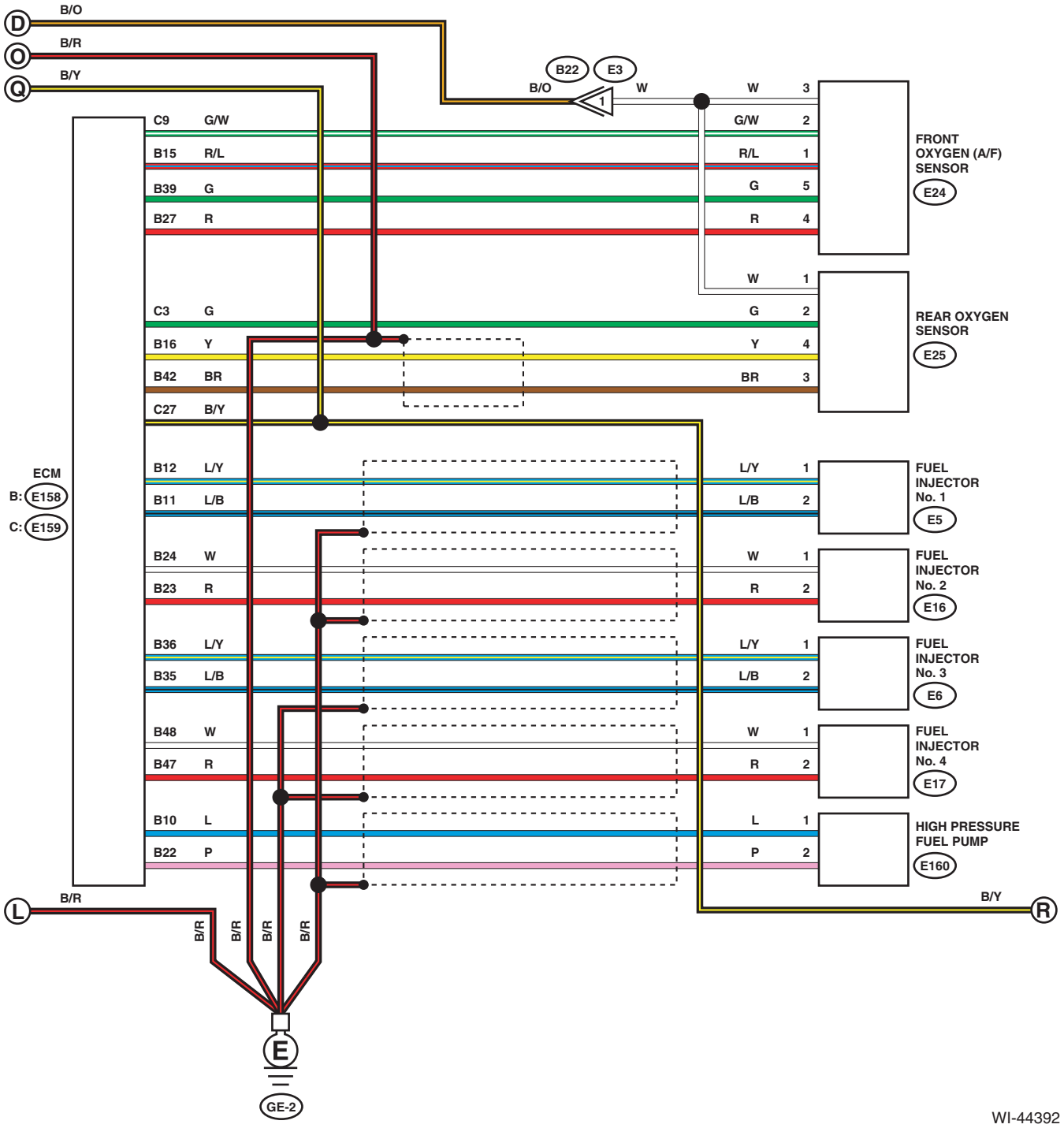
WI-44390

2j

2j

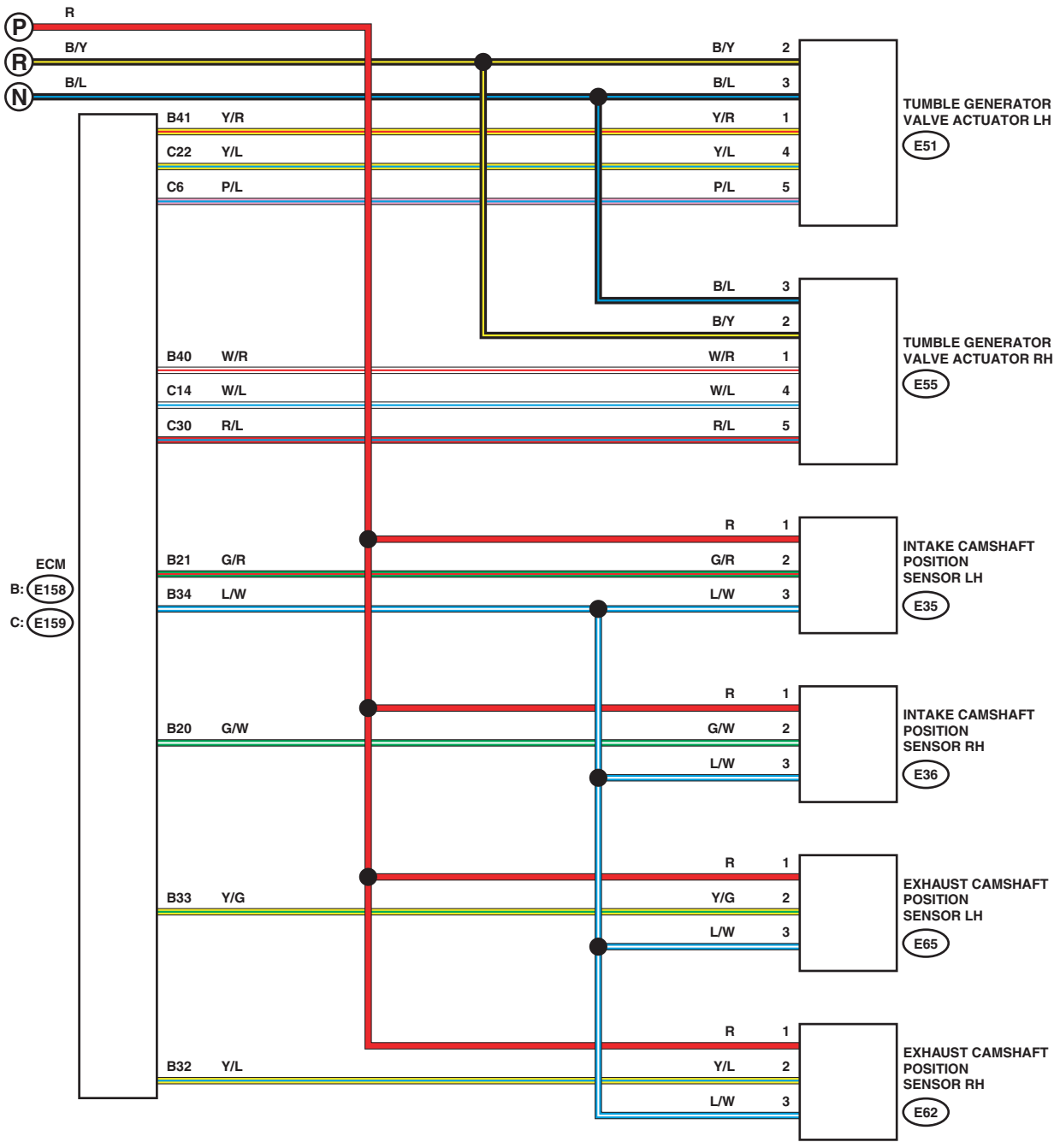


WI-44391

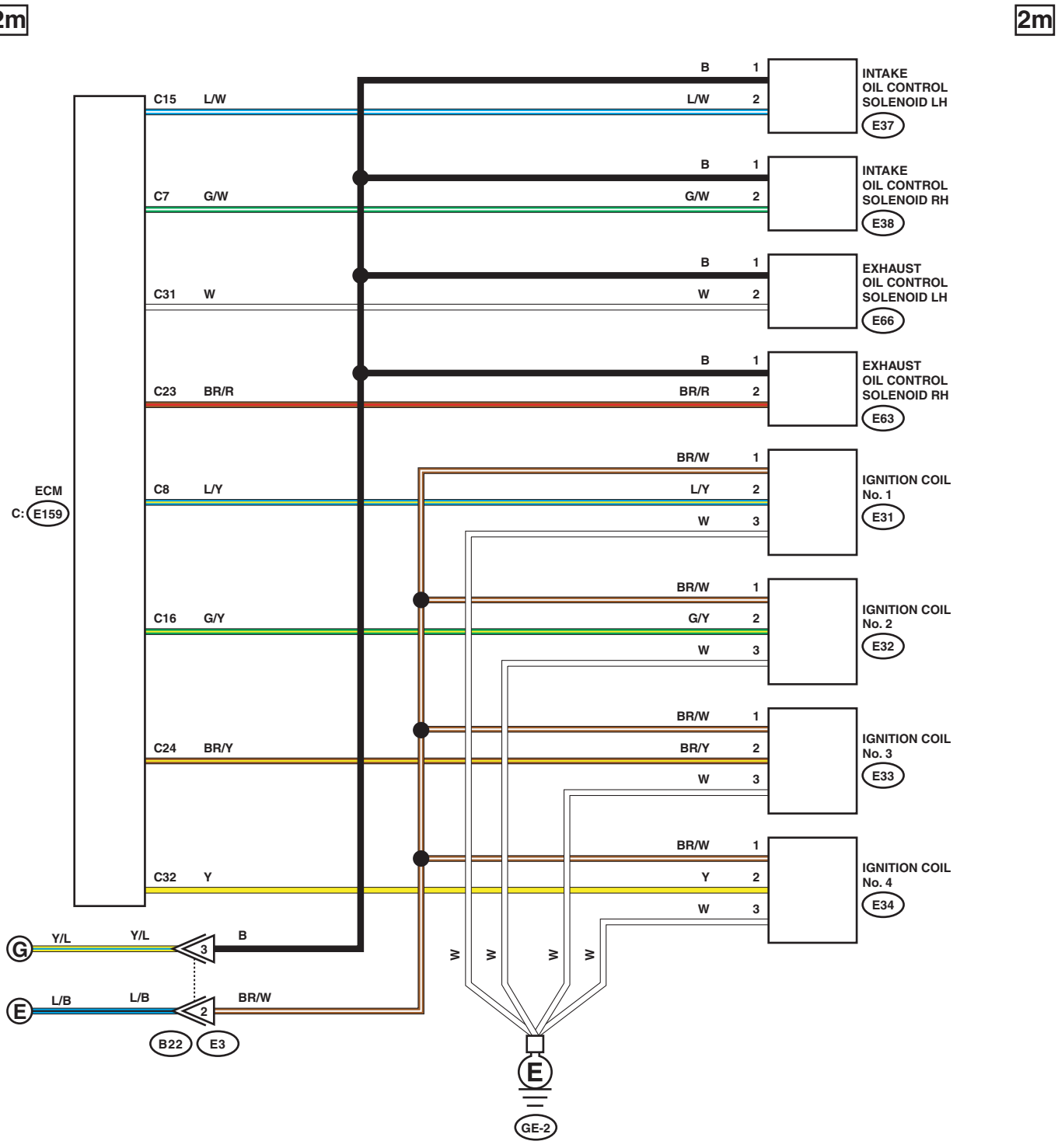

2k
2k
D
O
Q
B/O
B/R
B/Y
B22
E3
B/O
W
1
W 3
G/W 2
R/L 1
G 5
R 4
FRONT OXYGEN (A/F) SENSOR
E24
W 1
G 2
Y 4
BR 3
REAR OXYGEN SENSOR
E25
C9 G/W
B15 R/L
B39 G
B27 R
C3 G
B16 Y
B42 BR
C27 B/Y
ECM
B: E158
C: E159
B12 L/Y
B11 L/B
B24 W
B23 R
B36 L/Y
B35 L/B
B48 W
B47 R
B10 L
B22 P
L/Y 1
L/B 2
W 1
R 2
L/Y 1
L/B 2
W 1
R 2
L 1
P 2
FUEL INJECTOR No. 1
E5
FUEL INJECTOR No. 2
E16
FUEL INJECTOR No. 3
E6
FUEL INJECTOR No. 4
E17
HIGH PRESSURE FUEL PUMP
E160
L
B/R
B/R
B/R
B/R
B/R
B/Y
R
E
GE-2
WI-44392

2I

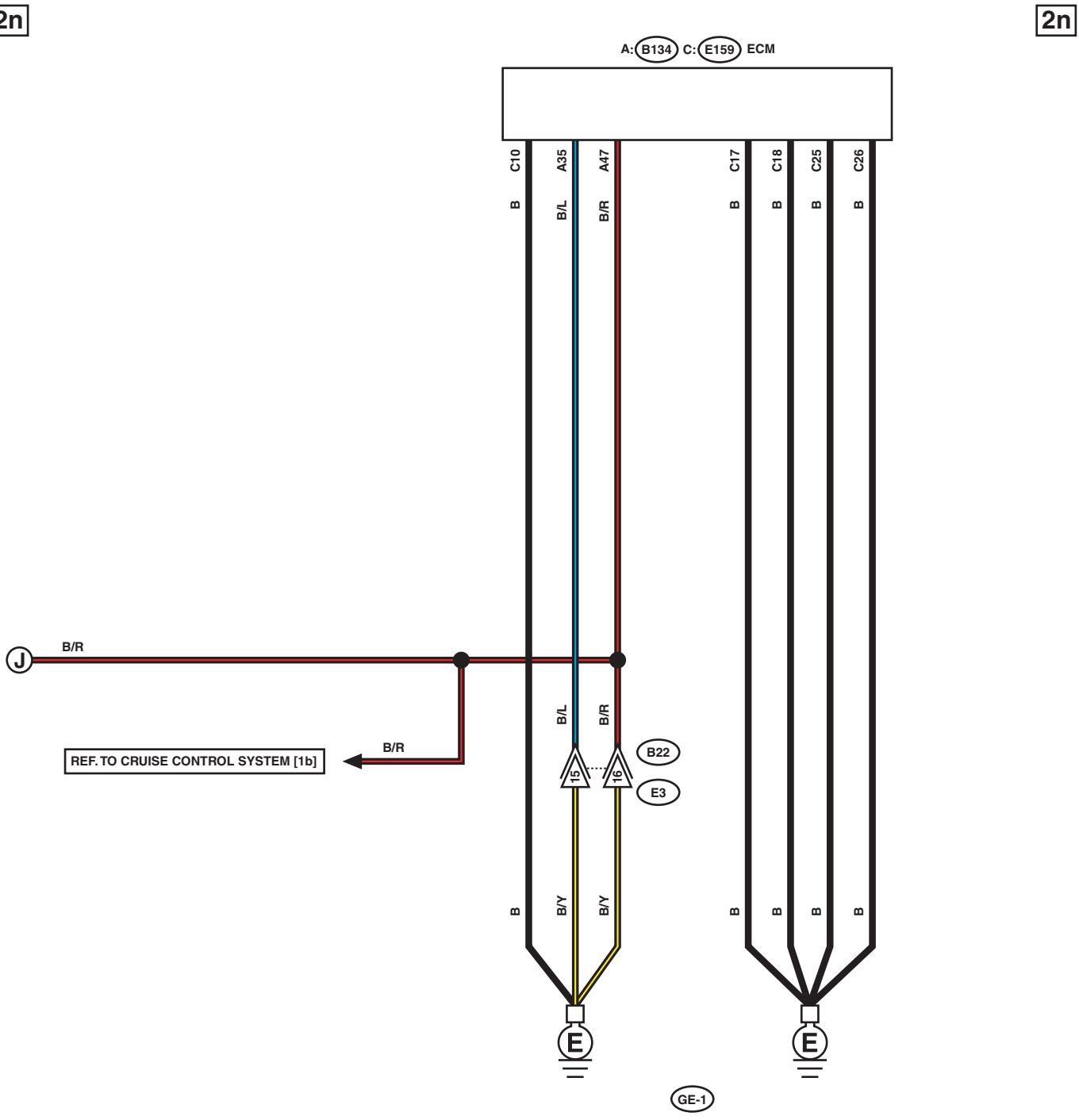
2I



WI-44393


2m
2m
B 1
L/W 2
INTAKE OIL CONTROL SOLENOID LH
E37
C15 L/W
B 1
G/W 2
INTAKE OIL CONTROL SOLENOID RH
E38
C7 G/W
B 1
W 2
EXHAUST OIL CONTROL SOLENOID LH
E66
C31 W
B 1
BR/R 2
EXHAUST OIL CONTROL SOLENOID RH
E63
C23 BR/R
BR/W 1
L/Y 2
W 3
IGNITION COIL No. 1
E31
ECM
C: E159
C8 L/Y
BR/W 1
G/Y 2
W 3
IGNITION COIL No. 2
E32
C16 G/Y
BR/W 1
BR/Y 2
W 3
IGNITION COIL No. 3
E33
C24 BR/Y
BR/W 1
Y 2
W 3
IGNITION COIL No. 4
E34
C32 Y
G
Y/L
Y/L
3
B
E
L/B
L/B
2
BR/W
B22
E3
W
W
W
W
E
GE-2

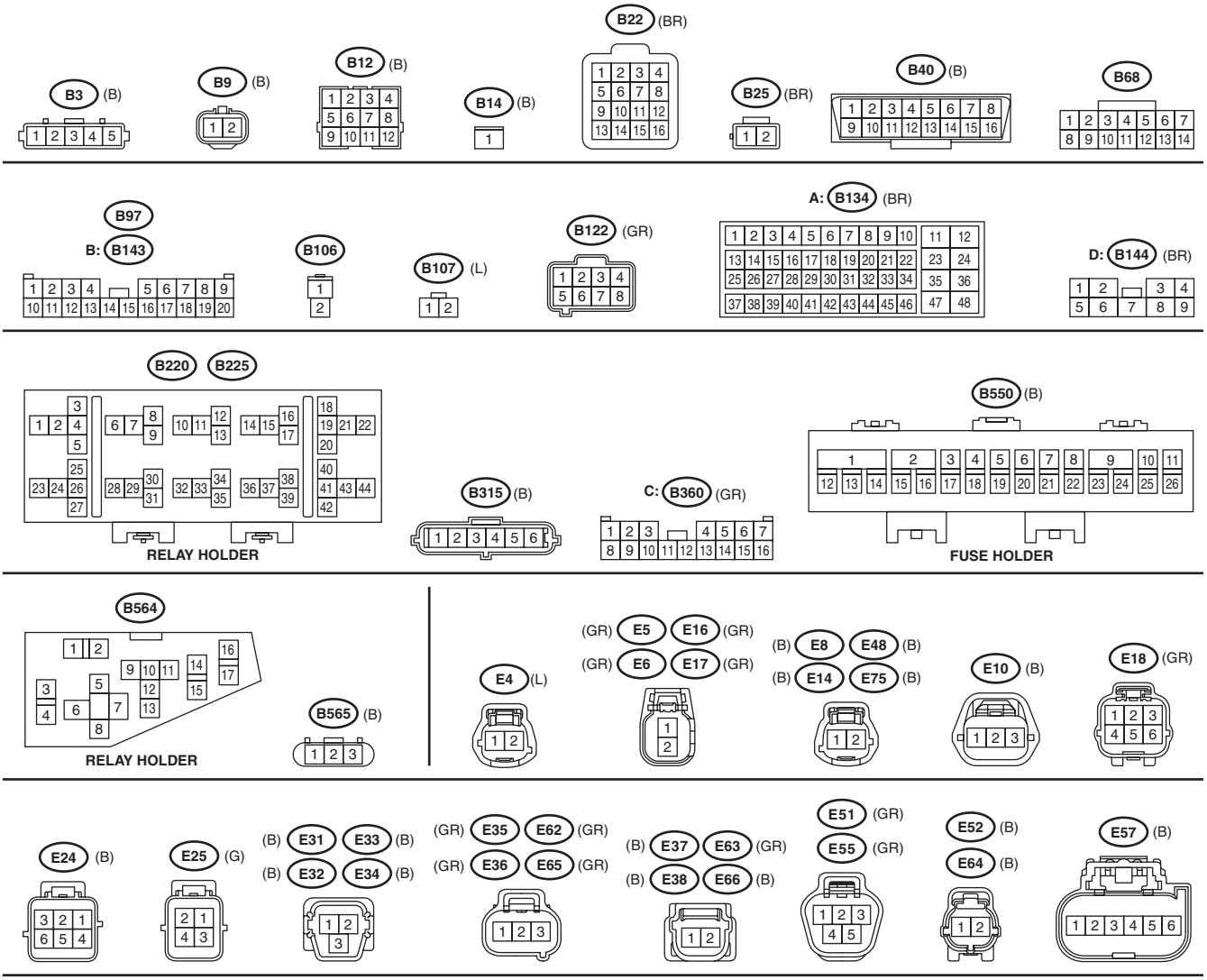
WI-44394


2n
2n
A: B134 C: E159 ECM
C10
A35
A47
C17
C18
C25
C26
B
B/L
B/R
B
B
B
B
J
B/R
REF. TO CRUISE CONTROL SYSTEM [1b]
B/R
B/L
B/R
B22
15
16
E3
B
B/Y
B/Y
B
B
B
B
E
E
GE-1

WI-44395

2o 2o

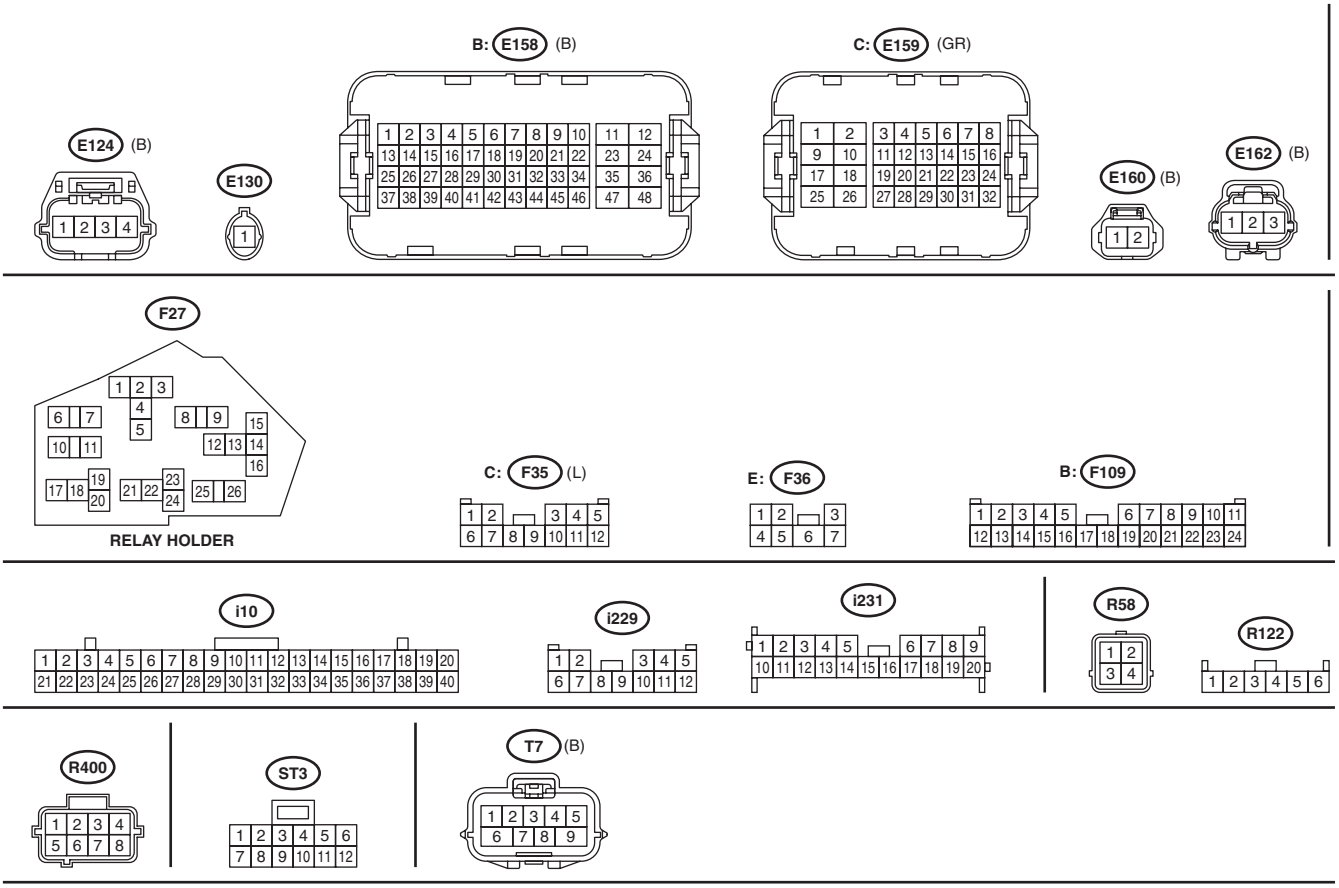
LIST OF CONNECTORS



WI-44396

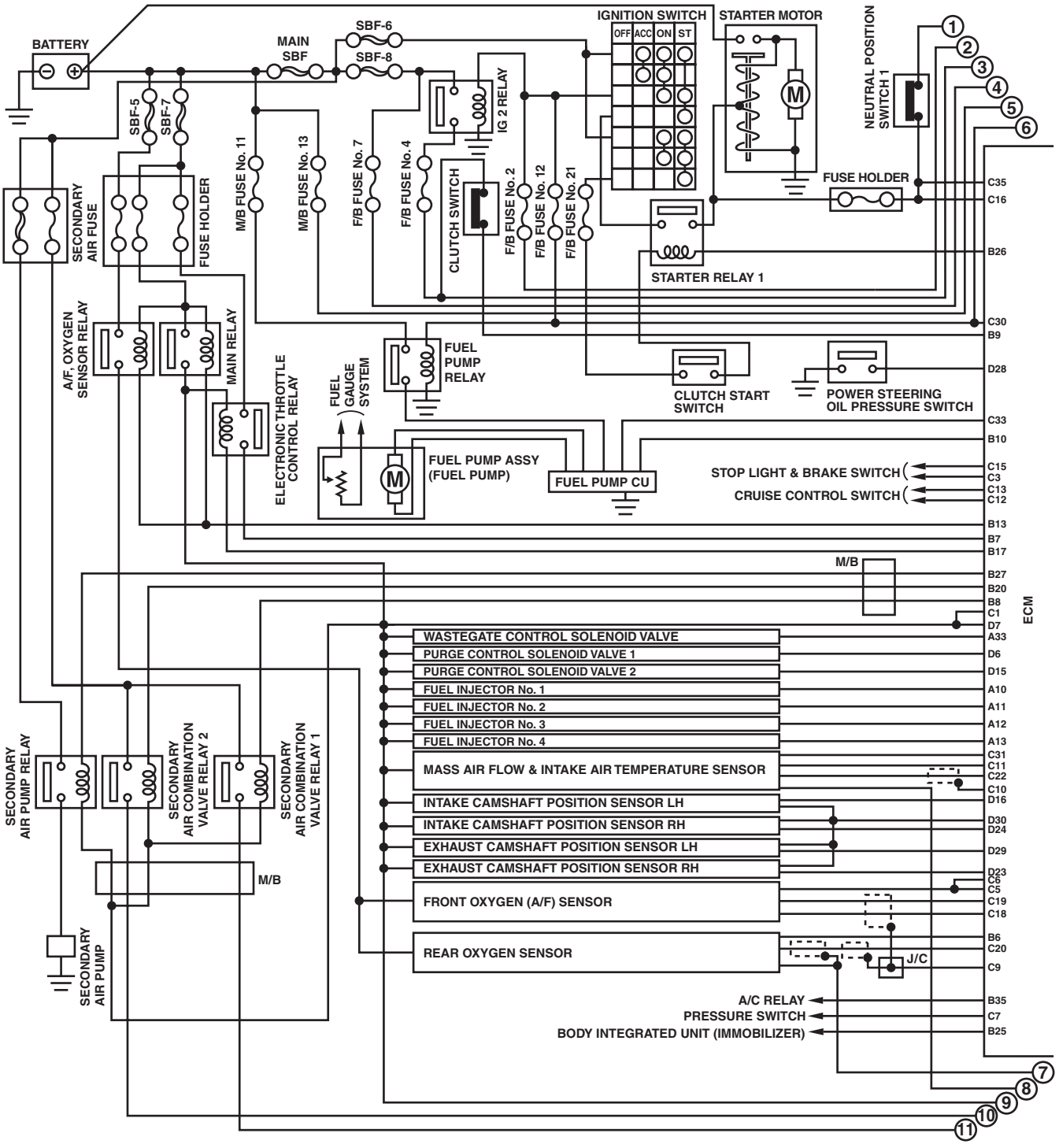
2p 2p

LIST OF CONNECTORS

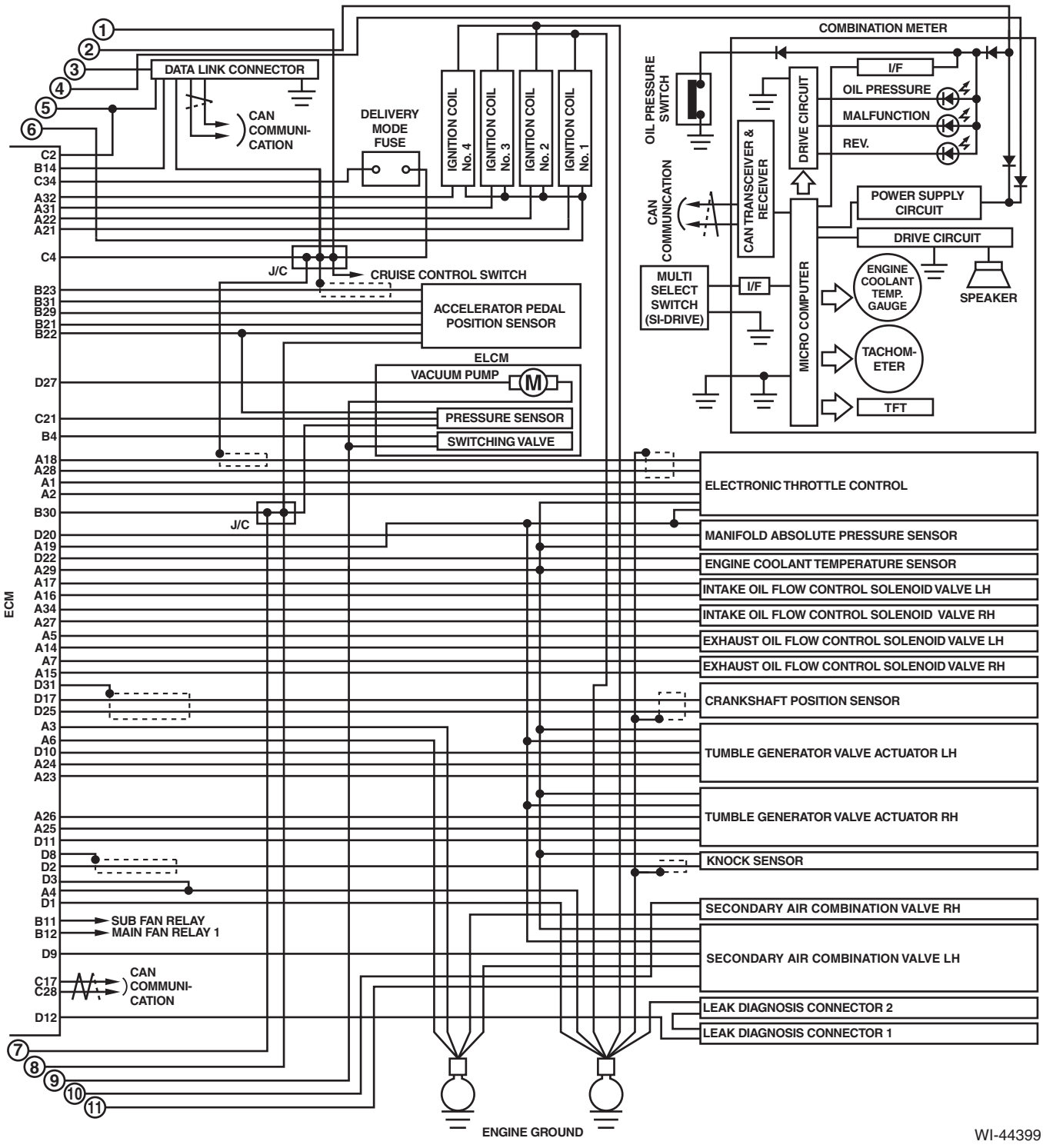


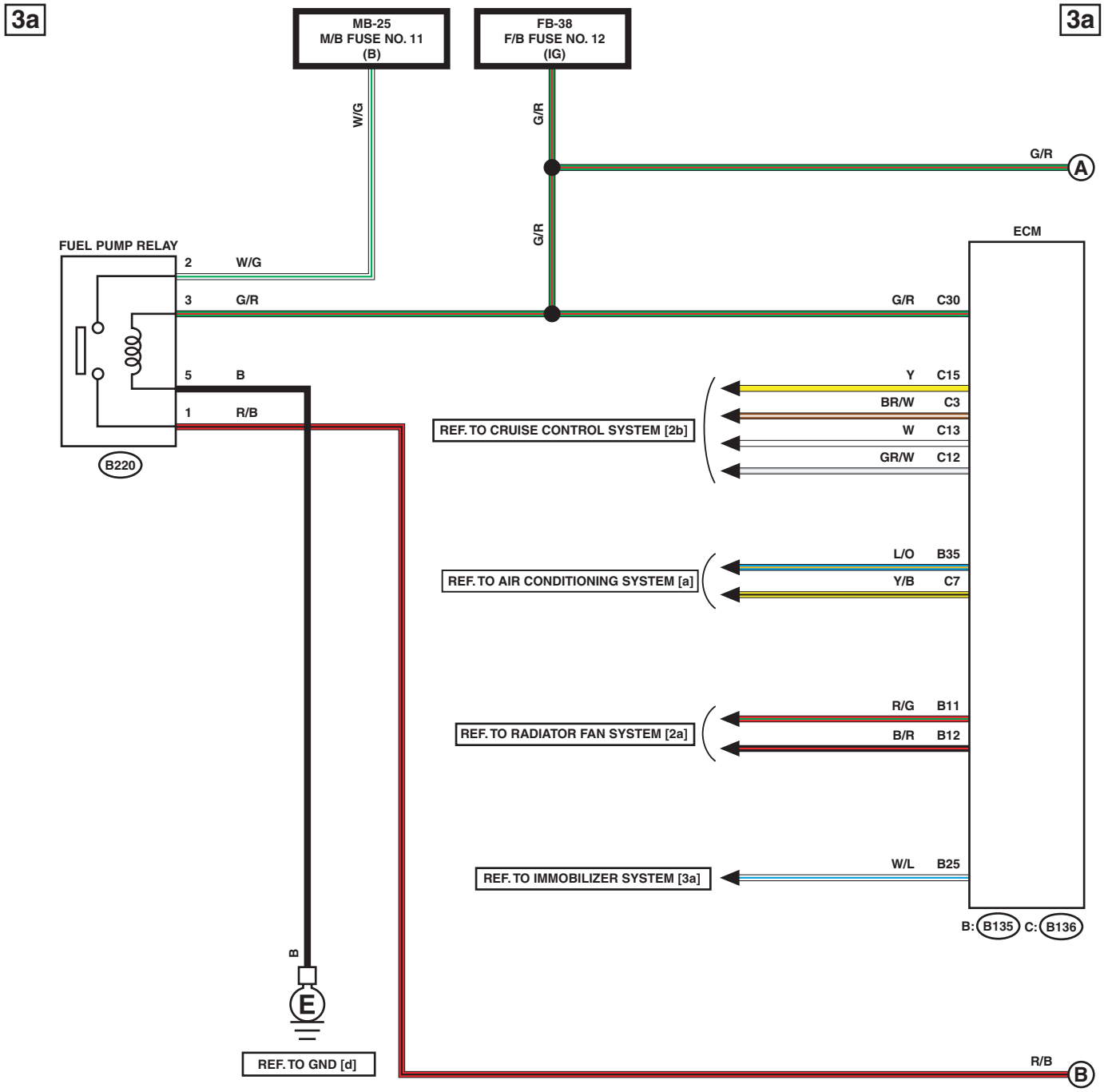
WI-44397

3. ENGINE TYPE EJ (WITHOUT PUSH BUTTON START)



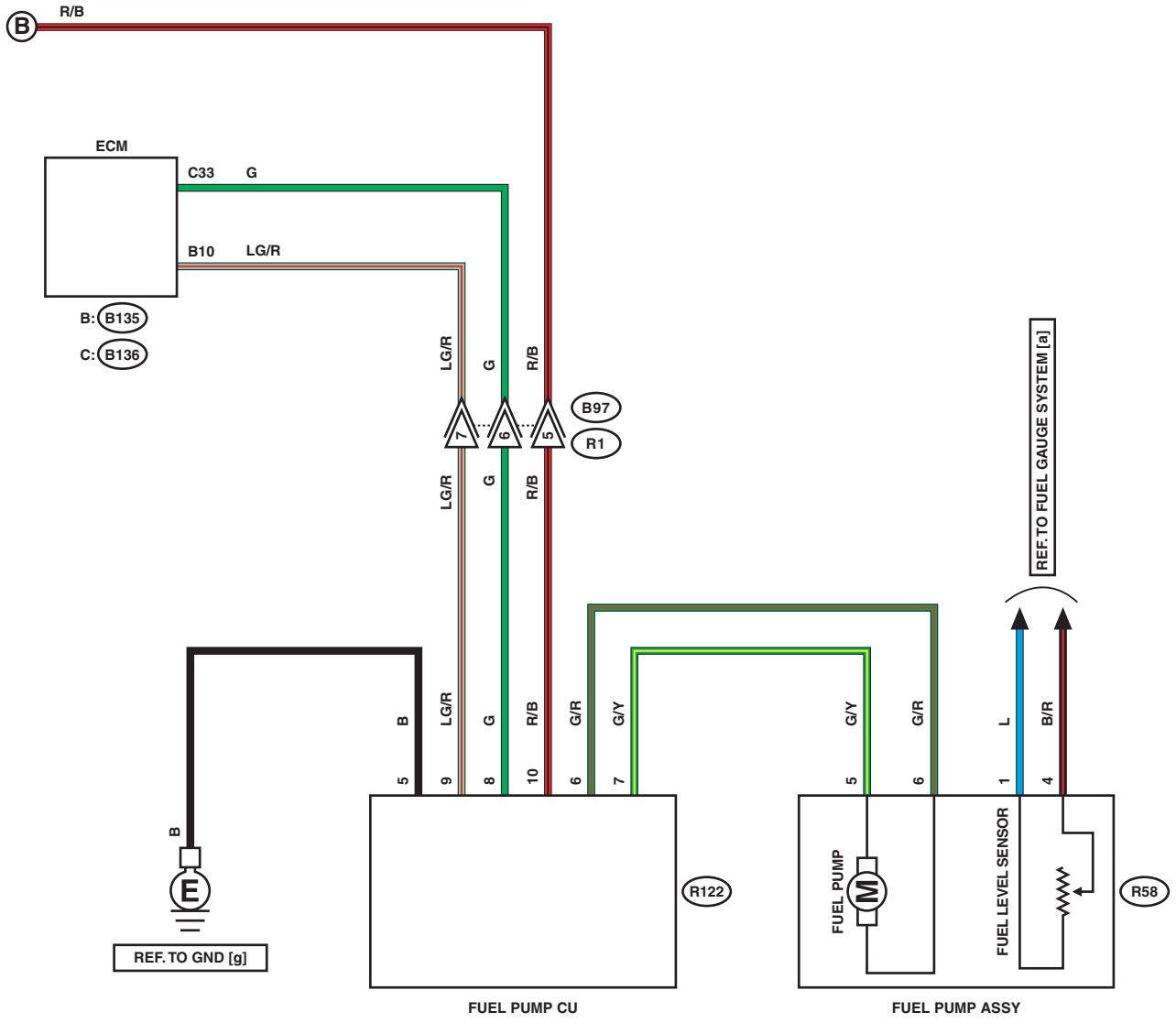
WI-44398


COMBINATION METER
DATA LINK CONNECTOR
CAN COMMUNI-CATION
DELIVERY MODE FUSE
IGNITION COIL No. 4
IGNITION COIL No. 3
IGNITION COIL No. 2
IGNITION COIL No. 1
OIL PRESSURE SWITCH
CAN COMMUNICATION
CAN TRANSCEIVER & RECEIVER
DRIVE CIRCUIT
I/F
OIL PRESSURE
MALFUNCTION
REV.
POWER SUPPLY CIRCUIT
DRIVE CIRCUIT
MULTI SELECT SWITCH (SI-DRIVE)
I/F
MICRO COMPUTER
ENGINE COOLANT TEMP. GAUGE
SPEAKER
TACHOM-ETER
TFT
J/C
CRUISE CONTROL SWITCH
ACCELERATOR PEDAL POSITION SENSOR
ELCM
VACUUM PUMP
PRESSURE SENSOR
SWITCHING VALVE
J/C
ECM
C2
B14
C34
A32
A31
A22
A21
C4
B23
B31
B29
B21
B22
D27
C21
B4
A18
A28
A1
A2
B30
D20
A19
D22
A29
A17
A16
A34
A27
A5
A14
A7
A15
D31
D17
D25
A3
A6
D10
A24
A23
A26
A25
D11
D8
D2
D3
A4
D1
B11
B12
D9
C17
C28
D12
SUB FAN RELAY
MAIN FAN RELAY 1
CAN COMMUNI-CATION
ELECTRONIC THROTTLE CONTROL
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
INTAKE OIL FLOW CONTROL SOLENOID VALVE LH
INTAKE OIL FLOW CONTROL SOLENOID VALVE RH
EXHAUST OIL FLOW CONTROL SOLENOID VALVE LH
EXHAUST OIL FLOW CONTROL SOLENOID VALVE RH
CRANKSHAFT POSITION SENSOR
TUMBLE GENERATOR VALVE ACTUATOR LH
TUMBLE GENERATOR VALVE ACTUATOR RH
KNOCK SENSOR
SECONDARY AIR COMBINATION VALVE RH
SECONDARY AIR COMBINATION VALVE LH
LEAK DIAGNOSIS CONNECTOR 2
LEAK DIAGNOSIS CONNECTOR 1
ENGINE GROUND
WI-44399

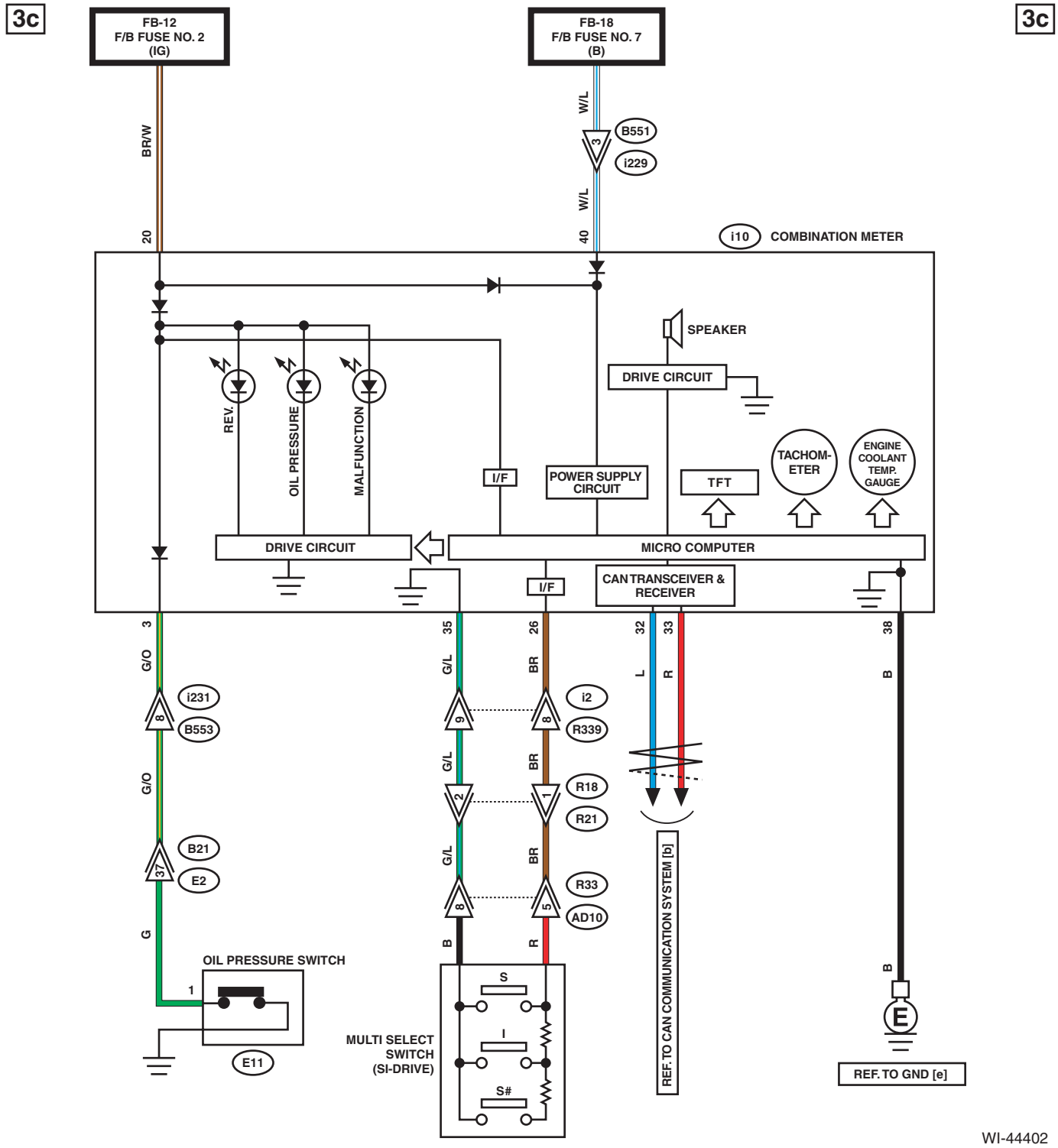

3a
3a
MB-25
M/B FUSE NO. 11
(B)
FB-38
F/B FUSE NO. 12
(IG)
W/G
G/R
G/R
A
G/R
ECM
FUEL PUMP RELAY
2 W/G
3 G/R
G/R C30
5 B
1 R/B
B220
Y C15
BR/W C3
W C13
GR/W C12
REF. TO CRUISE CONTROL SYSTEM [2b]
L/O B35
Y/B C7
REF. TO AIR CONDITIONING SYSTEM [a]
R/G B11
B/R B12
REF. TO RADIATOR FAN SYSTEM [2a]
W/L B25
REF. TO IMMOBILIZER SYSTEM [3a]
B: B135 C: B136
B
E
REF. TO GND [d]
R/B
B

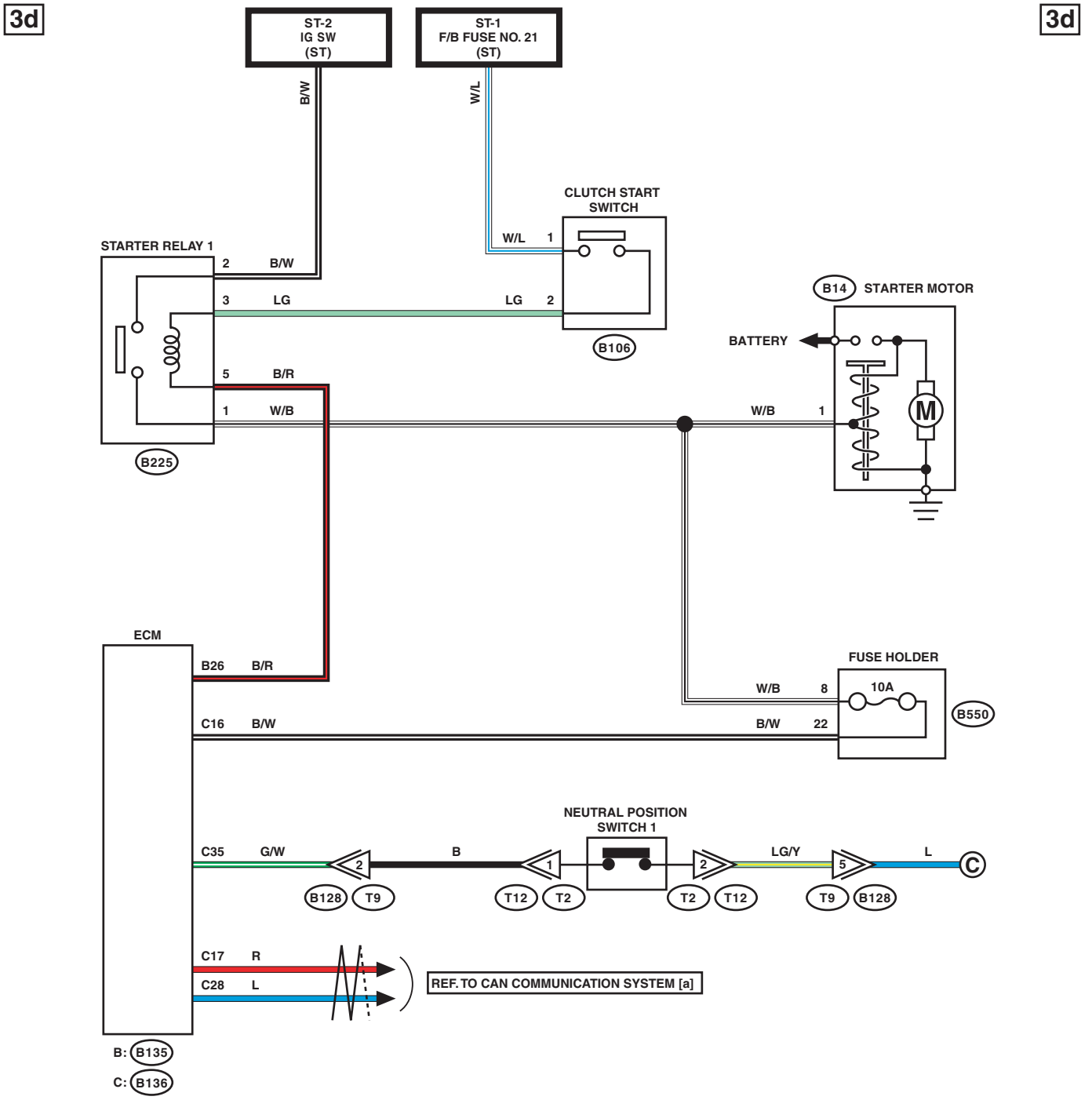
WI-44400

3b 3b

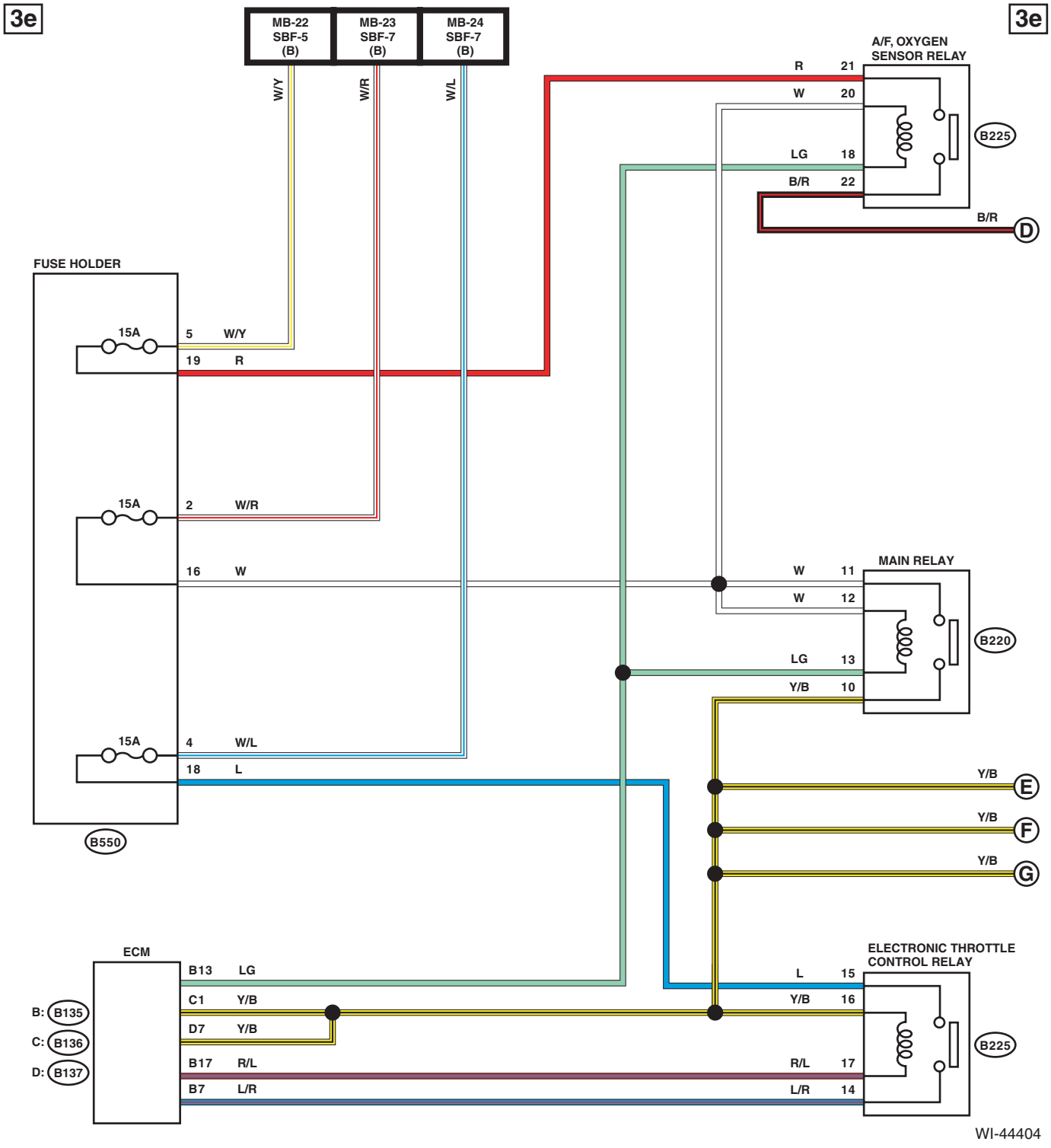


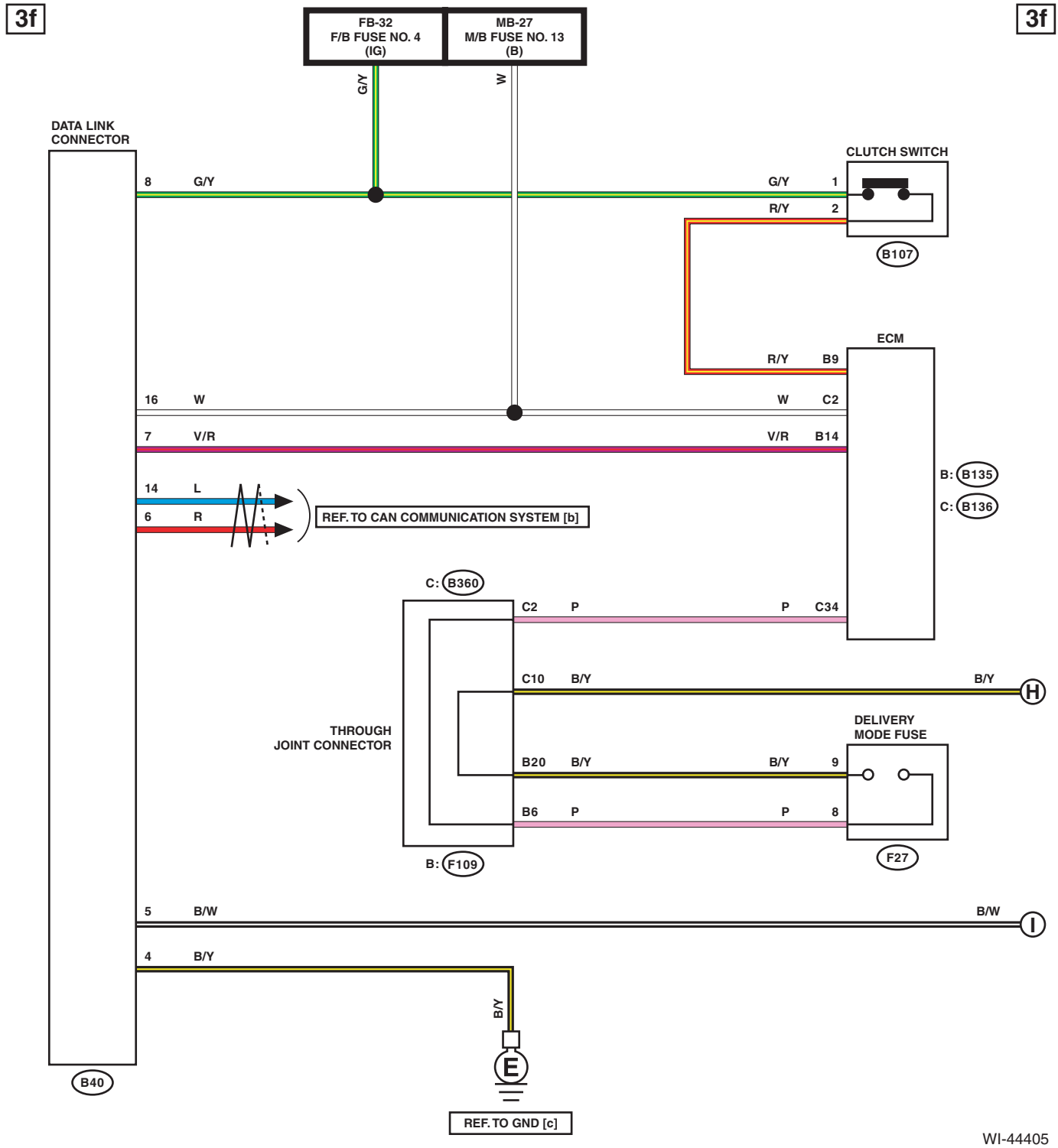
WI-44401


3c
3c
FB-12
F/B FUSE NO. 2
(IG)
FB-18
F/B FUSE NO. 7
(B)
BR/W
20
W/L
B551
3
i229
W/L
40
i10
COMBINATION METER
SPEAKER
DRIVE CIRCUIT
REV.
OIL PRESSURE
MALFUNCTION
I/F
POWER SUPPLY CIRCUIT
TFT
TACHOM-ETER
ENGINE COOLANT TEMP. GAUGE
DRIVE CIRCUIT
MICRO COMPUTER
I/F
CAN TRANSCEIVER & RECEIVER
3
G/O
i231
8
B553
G/O
B21
37
E2
G
OIL PRESSURE SWITCH
1
E11
35
G/L
9
G/L
2
G/L
8
B
26
BR
i2
8
R339
BR
R18
1
R21
BR
R33
5
AD10
R
S
I
S#
MULTI SELECT SWITCH (SI-DRIVE)
32
L
33
R
REF. TO CAN COMMUNICATION SYSTEM [b]
38
B
B
E
REF. TO GND [e]
WI-44402

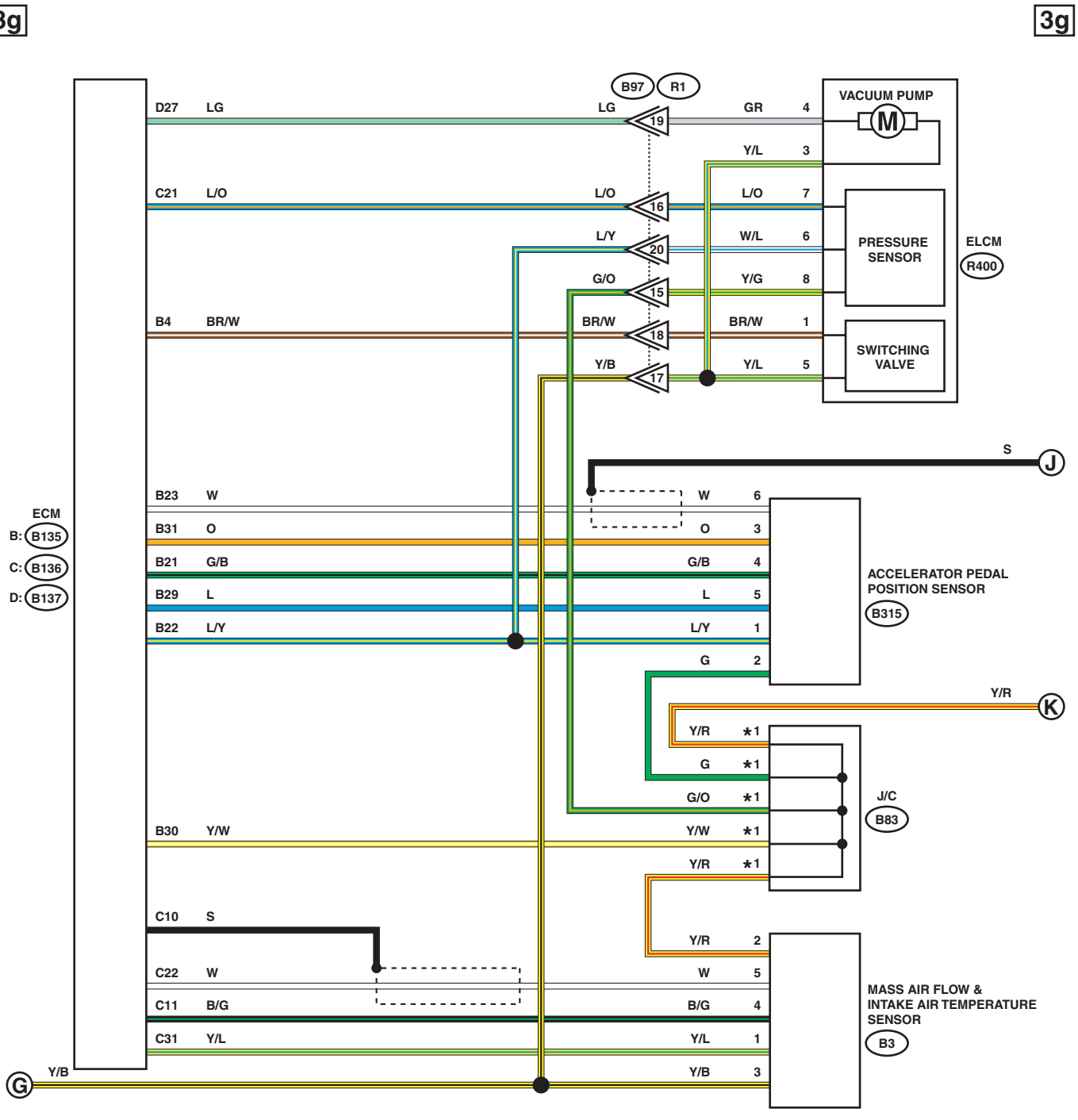

3d
3d
ST-2
IG SW
(ST)
ST-1
F/B FUSE NO. 21
(ST)
B/W
W/L
CLUTCH START
SWITCH
W/L 1
STARTER RELAY 1
2 B/W
3 LG
LG 2
B106
B14 STARTER MOTOR
BATTERY
5 B/R
1 W/B
W/B 1
M
B225
ECM
B26 B/R
FUSE HOLDER
W/B 8
10A
B550
C16 B/W
B/W 22
NEUTRAL POSITION
SWITCH 1
C35 G/W
B
LG/Y
L
C
B128 T9
T12 T2
T2 T12
T9 B128
C17 R
C28 L
REF. TO CAN COMMUNICATION SYSTEM [a]
B: B135
C: B136

WI-44403


3e
3e
MB-22 SBF-5 (B)
MB-23 SBF-7 (B)
MB-24 SBF-7 (B)
W/Y
W/R
W/L
A/F, OXYGEN SENSOR RELAY
R 21
W 20
LG 18
B/R 22
B225
B/R
D
FUSE HOLDER
15A
5 W/Y
19 R
15A
2 W/R
16 W
15A
4 W/L
18 L
B550
MAIN RELAY
W 11
W 12
LG 13
Y/B 10
B220
Y/B
E
Y/B
F
Y/B
G
ECM
B13 LG
C1 Y/B
D7 Y/B
B17 R/L
B7 L/R
B: B135
C: B136
D: B137
ELECTRONIC THROTTLE CONTROL RELAY
L 15
Y/B 16
R/L 17
L/R 14
B225
WI-44404

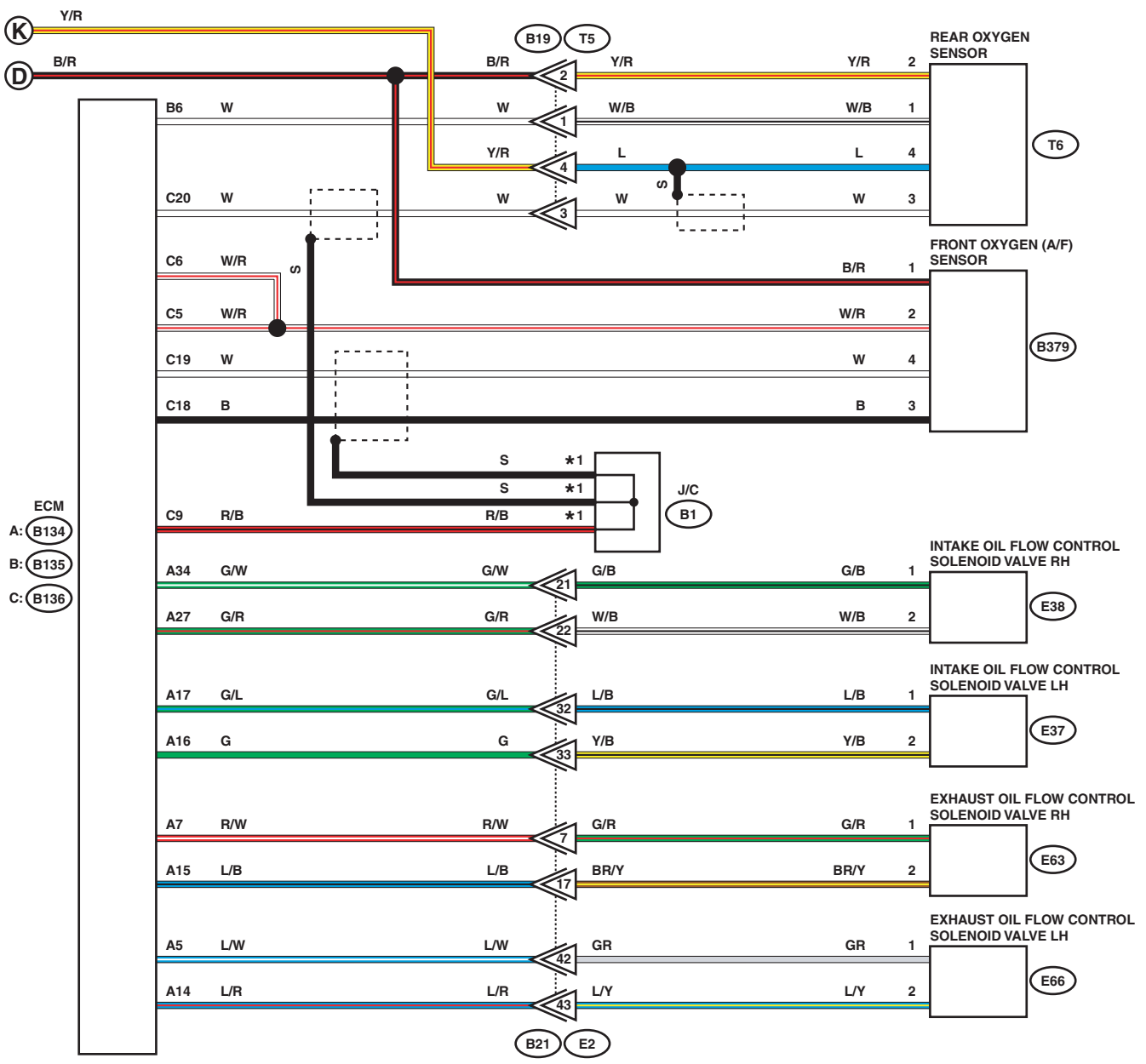

3f
3f
FB-32
F/B FUSE NO. 4
(IG)
MB-27
M/B FUSE NO. 13
(B)
G/Y
W
DATA LINK
CONNECTOR
CLUTCH SWITCH
8 G/Y
G/Y 1
R/Y 2
B107
ECM
R/Y B9
16 W
W C2
7 V/R
V/R B14
B: B135
C: B136
14 L
6 R
REF. TO CAN COMMUNICATION SYSTEM [b]
C: B360
C2 P
P C34
C10 B/Y
B/Y
H
THROUGH
JOINT CONNECTOR
DELIVERY
MODE FUSE
B20 B/Y
B/Y 9
B6 P
P 8
B: F109
F27
5 B/W
B/W
I
4 B/Y
B/Y
E
B40
REF. TO GND [c]

WI-44405



∗1 : TERMINAL No. OPTIONAL ARRANGEMENT

WI-44406

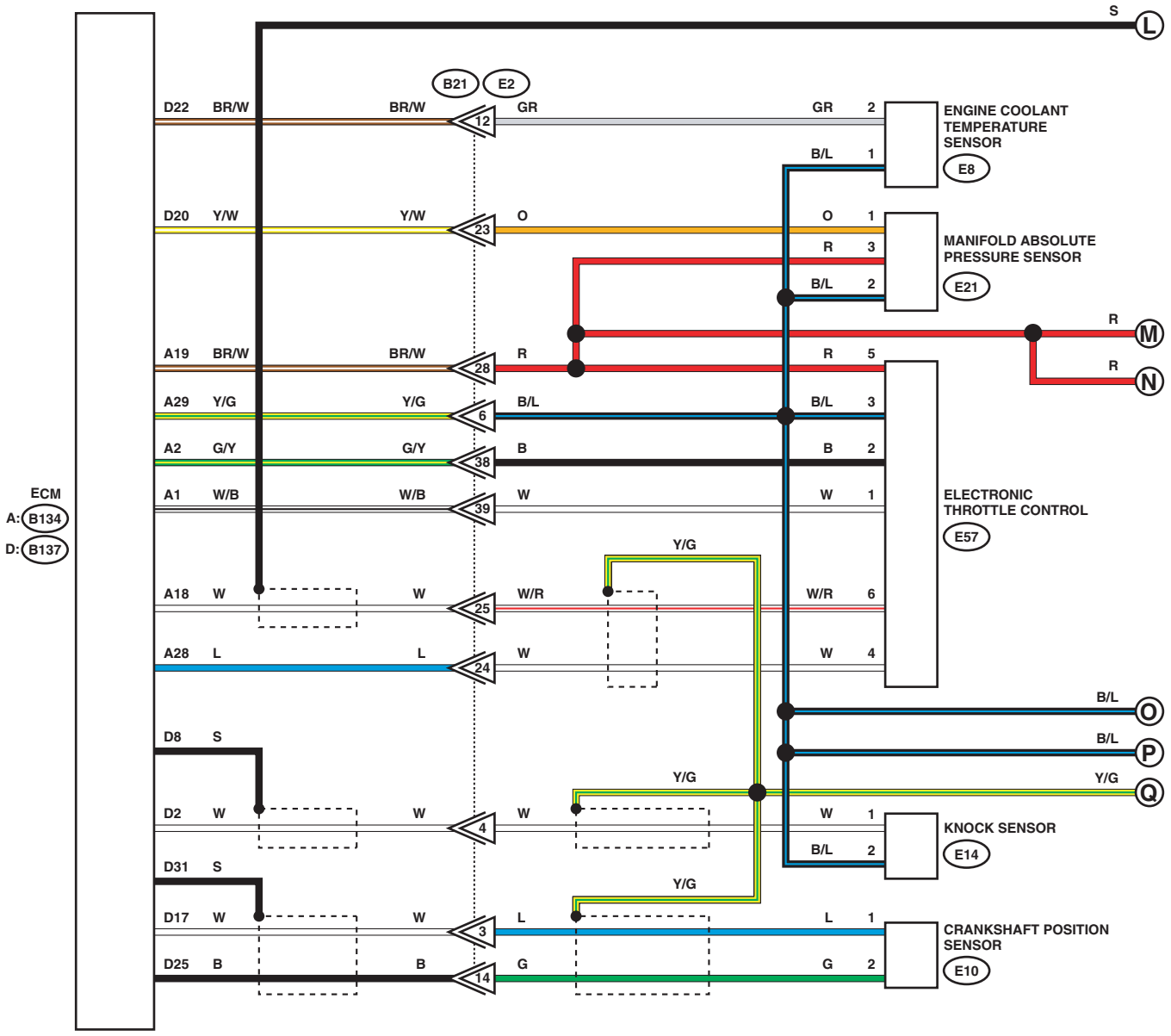


*1 : TERMINAL No. OPTIONAL ARRANGEMENT

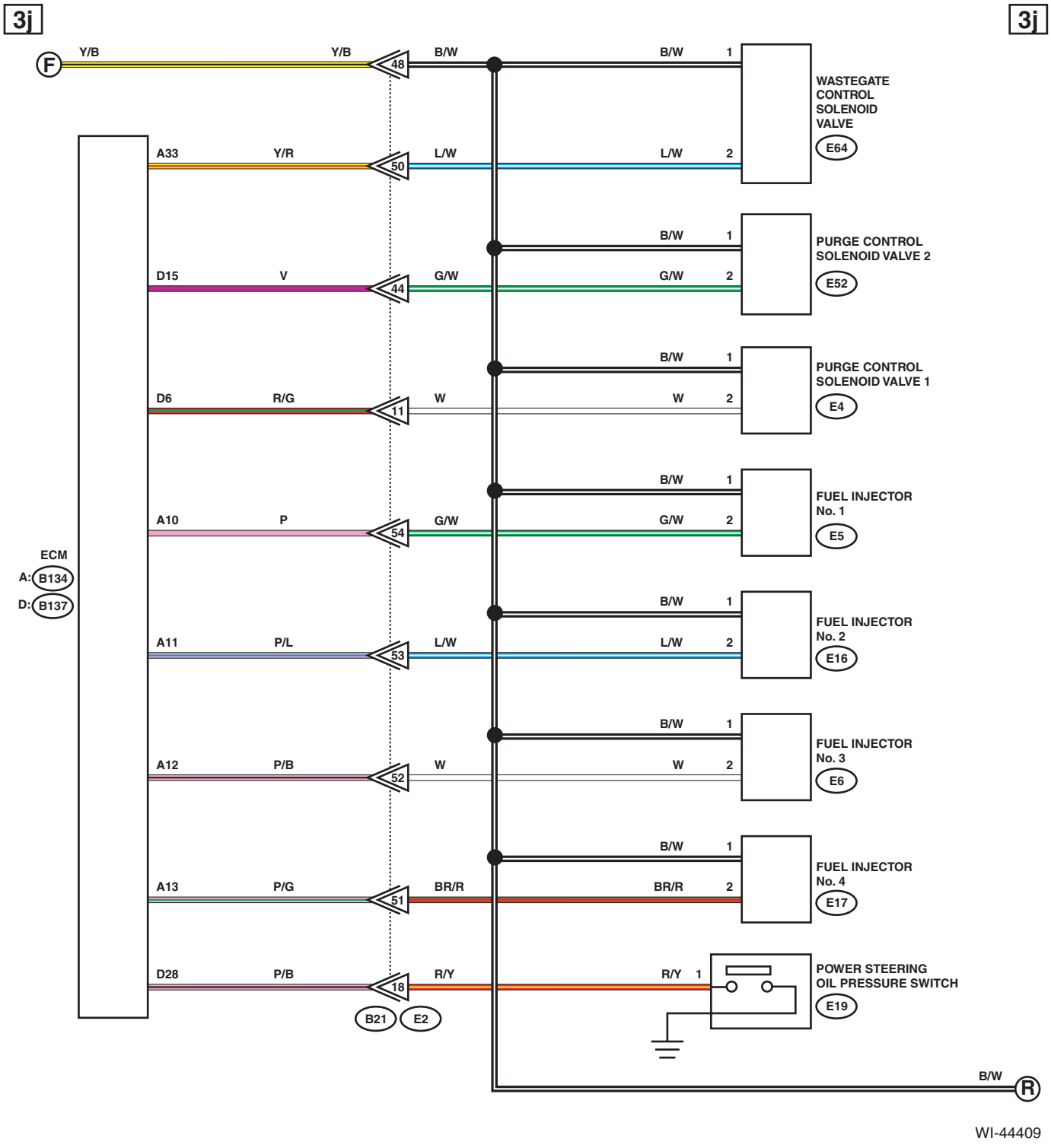
WI-44407

3i

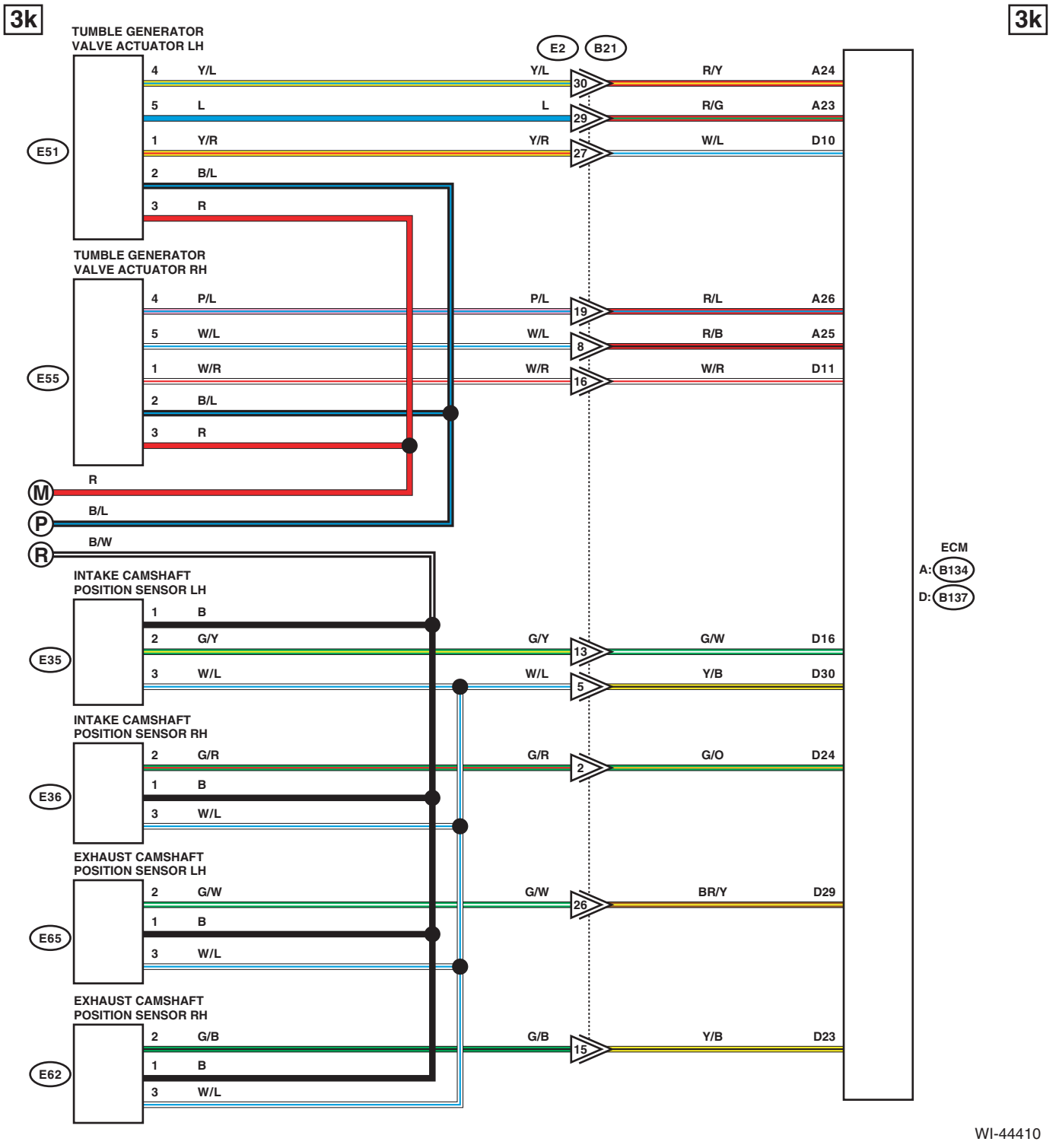
3i



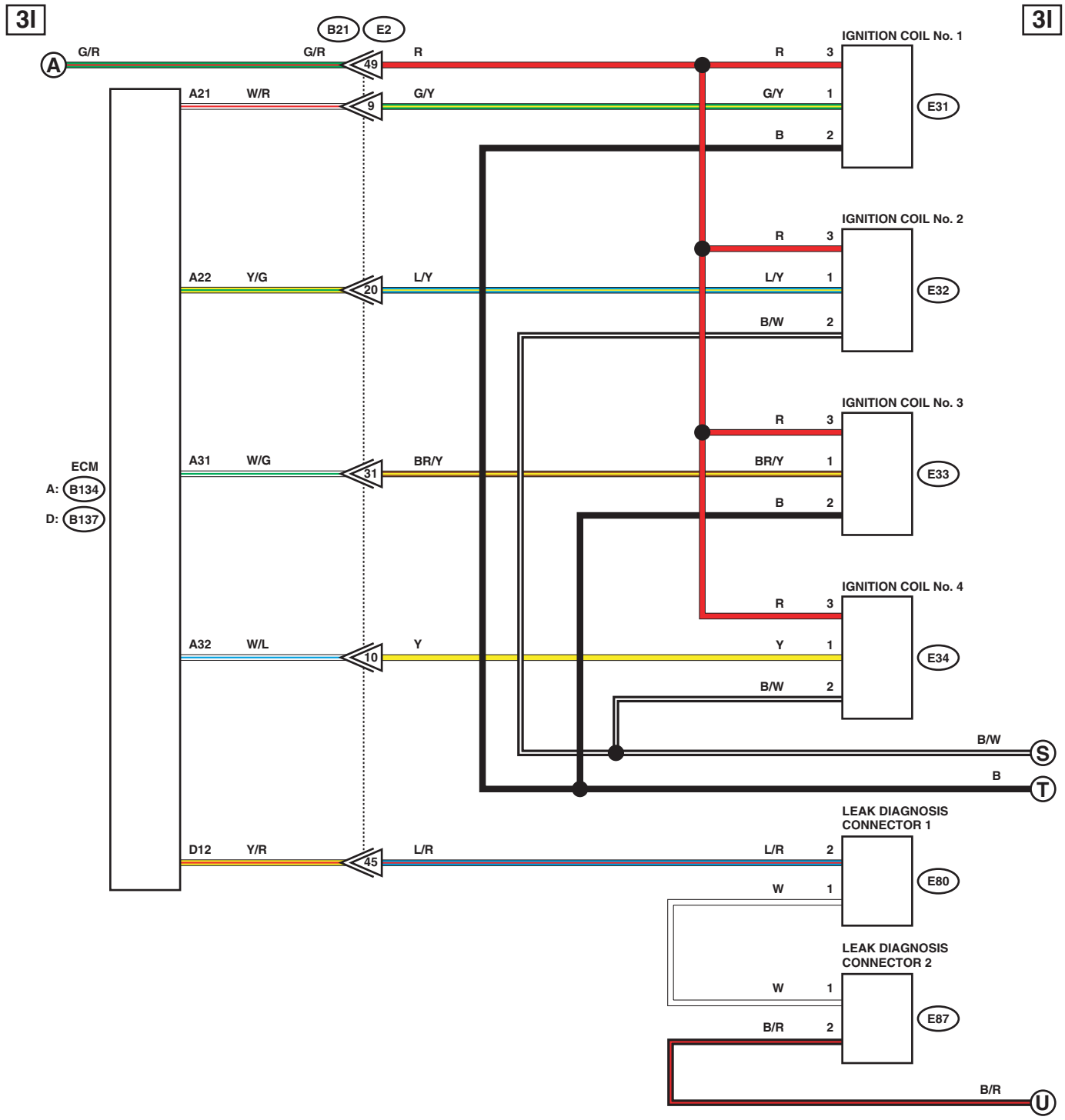
WI-44408


3j
3j
F
Y/B
Y/B
48
B/W
B/W 1
WASTEGATE CONTROL SOLENOID VALVE
E64
A33
Y/R
50
L/W
L/W 2
B/W 1
PURGE CONTROL SOLENOID VALVE 2
E52
D15
V
44
G/W
G/W 2
B/W 1
PURGE CONTROL SOLENOID VALVE 1
E4
D6
R/G
11
W
W 2
B/W 1
FUEL INJECTOR No. 1
E5
A10
P
54
G/W
G/W 2
ECM
A: B134
D: B137
B/W 1
FUEL INJECTOR No. 2
E16
A11
P/L
53
L/W
L/W 2
B/W 1
FUEL INJECTOR No. 3
E6
A12
P/B
52
W
W 2
B/W 1
FUEL INJECTOR No. 4
E17
A13
P/G
51
BR/R
BR/R 2
D28
P/B
18
R/Y
R/Y 1
POWER STEERING OIL PRESSURE SWITCH
E19
B21
E2
B/W
R

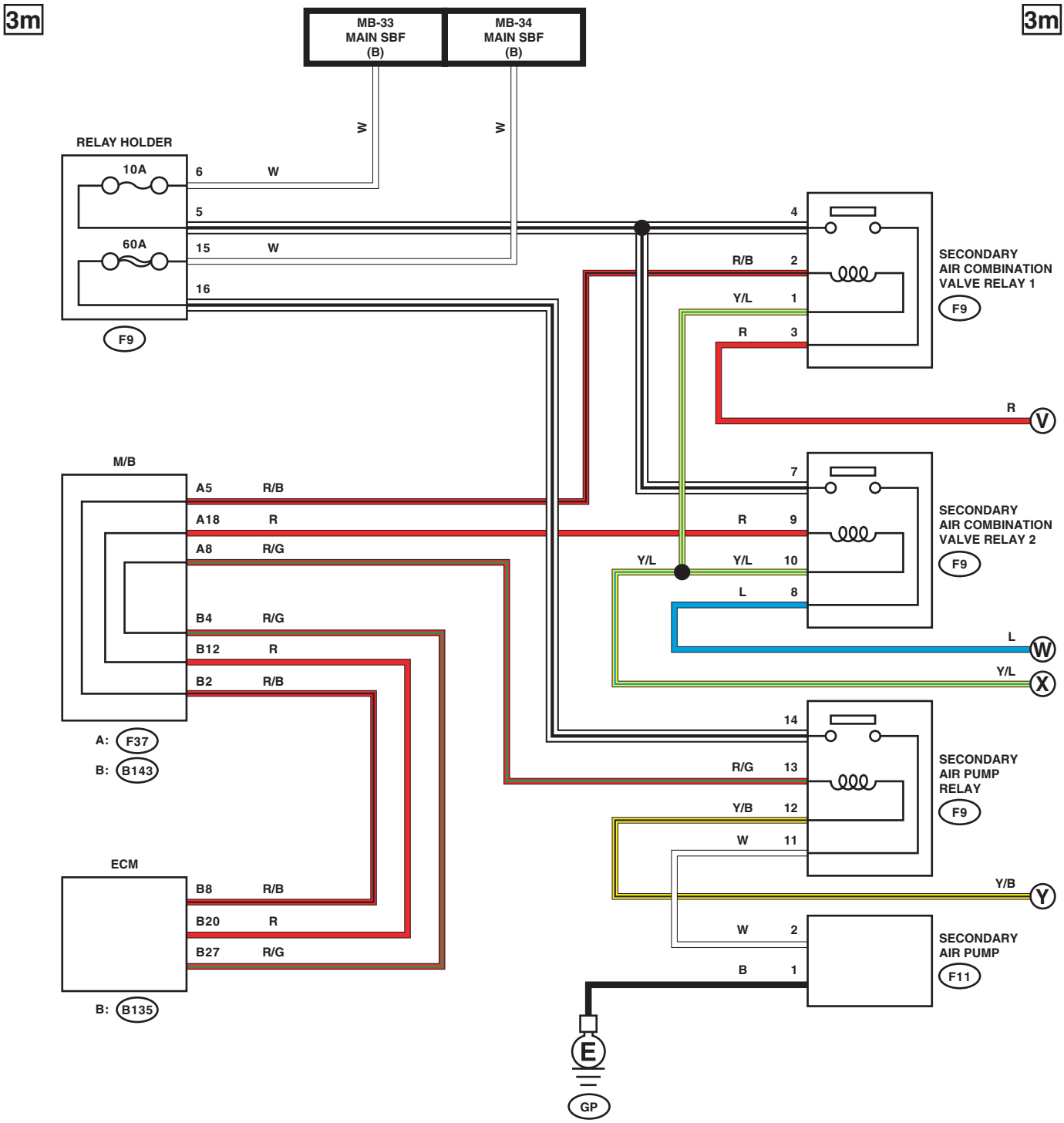
WI-44409


3k
3k
TUMBLE GENERATOR VALVE ACTUATOR LH
E51
4 Y/L
5 L
1 Y/R
2 B/L
3 R
TUMBLE GENERATOR VALVE ACTUATOR RH
E55
4 P/L
5 W/L
1 W/R
2 B/L
3 R
M R
P B/L
R B/W
INTAKE CAMSHAFT POSITION SENSOR LH
E35
1 B
2 G/Y
3 W/L
INTAKE CAMSHAFT POSITION SENSOR RH
E36
2 G/R
1 B
3 W/L
EXHAUST CAMSHAFT POSITION SENSOR LH
E65
2 G/W
1 B
3 W/L
EXHAUST CAMSHAFT POSITION SENSOR RH
E62
2 G/B
1 B
3 W/L
E2
B21
Y/L 30
L 29
Y/R 27
P/L 19
W/L 8
W/R 16
G/Y 13
W/L 5
G/R 2
G/W 26
G/B 15
R/Y A24
R/G A23
W/L D10
R/L A26
R/B A25
W/R D11
G/W D16
Y/B D30
G/O D24
BR/Y D29
Y/B D23
ECM
A: B134
D: B137

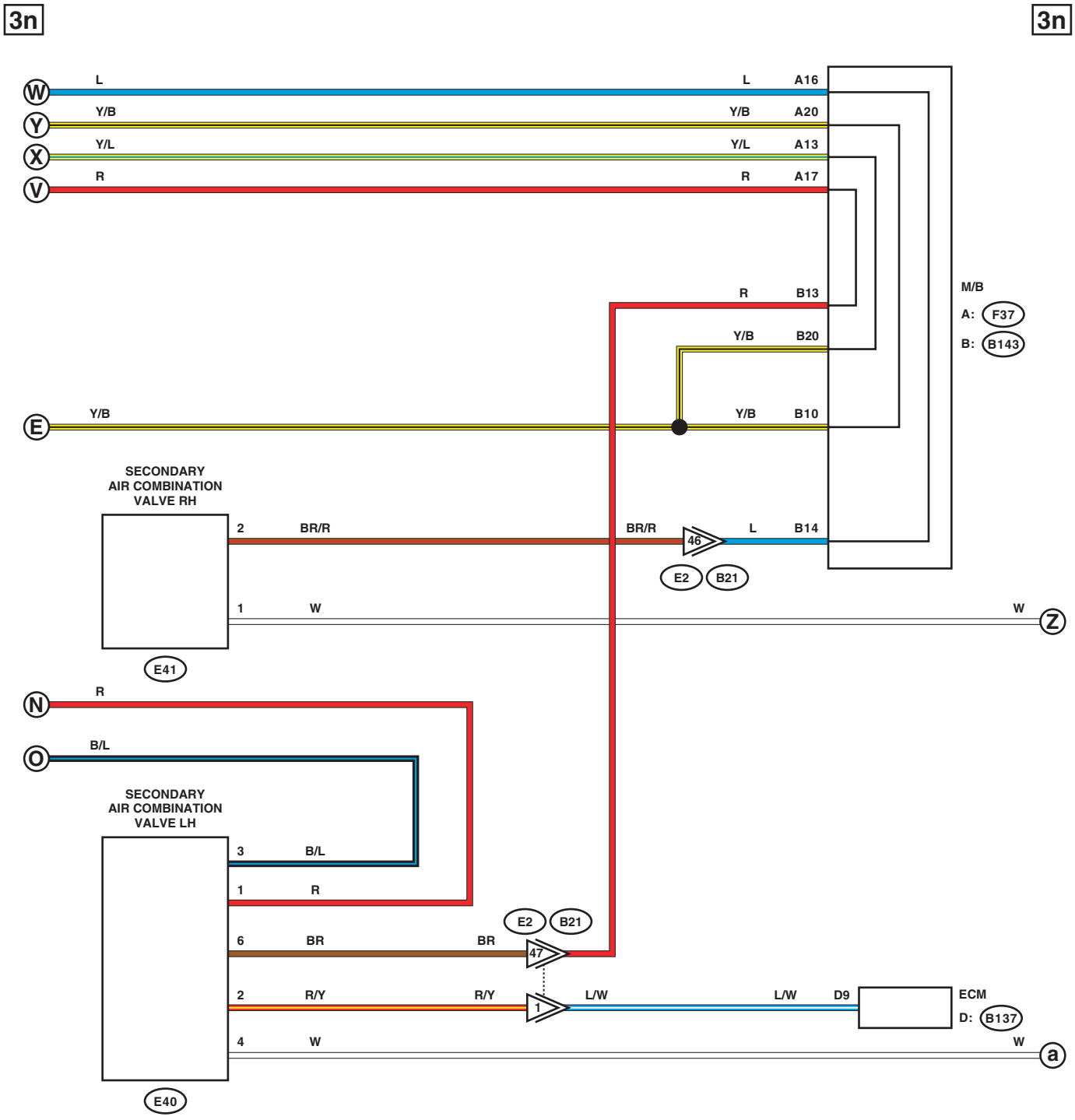
WI-44410


3I
3I
B21
E2
A
G/R
G/R
49
R
IGNITION COIL No. 1
R 3
G/Y 1
B 2
E31
A21 W/R
9
G/Y
IGNITION COIL No. 2
R 3
L/Y 1
B/W 2
E32
A22 Y/G
20
L/Y
IGNITION COIL No. 3
R 3
BR/Y 1
B 2
E33
ECM
A: B134
D: B137
A31 W/G
31
BR/Y
IGNITION COIL No. 4
R 3
Y 1
B/W 2
E34
A32 W/L
10
Y
B/W
S
B
T
LEAK DIAGNOSIS CONNECTOR 1
L/R 2
W 1
E80
D12 Y/R
45
L/R
LEAK DIAGNOSIS CONNECTOR 2
W 1
B/R 2
E87
B/R
U

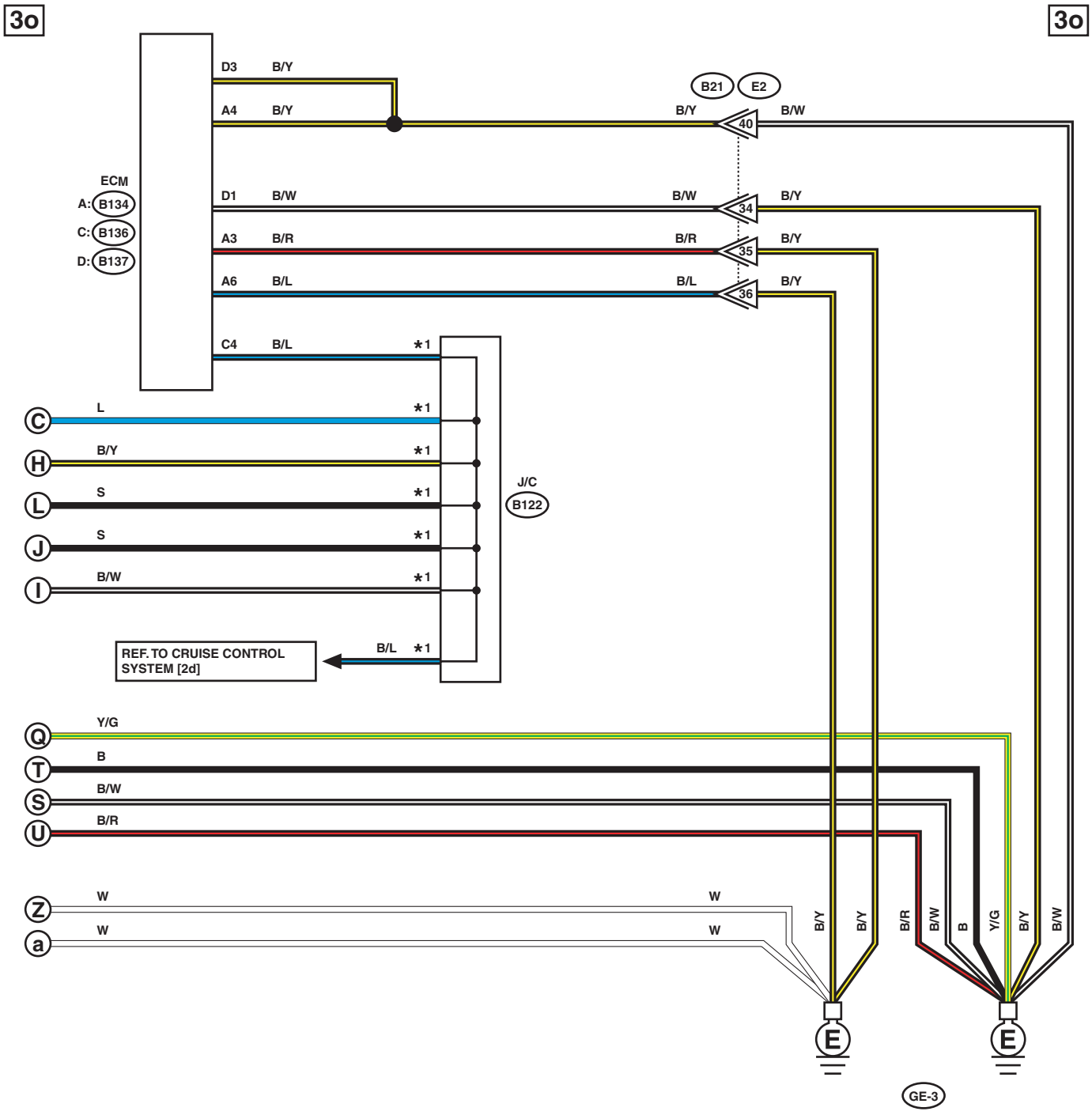
WI-44411


3m
3m
MB-33
MAIN SBF
(B)
MB-34
MAIN SBF
(B)
W
W
RELAY HOLDER
10A
6
W
5
60A
15
W
16
F9
4
R/B
2
Y/L
1
R
3
SECONDARY
AIR COMBINATION
VALVE RELAY 1
F9
R
V
M/B
A5
R/B
A18
R
A8
R/G
B4
R/G
B12
R
B2
R/B
A: F37
B: B143
7
R
9
Y/L
Y/L
10
L
8
SECONDARY
AIR COMBINATION
VALVE RELAY 2
F9
L
W
Y/L
X
14
R/G
13
Y/B
12
W
11
SECONDARY
AIR PUMP
RELAY
F9
Y/B
Y
ECM
B8
R/B
B20
R
B27
R/G
B: B135
W
2
B
1
SECONDARY
AIR PUMP
F11
E
GP

WI-44412


3n
3n
W
L
L
A16
Y
Y/B
Y/B
A20
X
Y/L
Y/L
A13
V
R
R
A17
R
B13
Y/B
B20
M/B
A:
F37
B:
B143
E
Y/B
Y/B
B10
SECONDARY AIR COMBINATION VALVE RH
2
BR/R
BR/R
46
L
B14
E2
B21
1
W
W
Z
E41
N
R
O
B/L
SECONDARY AIR COMBINATION VALVE LH
3
B/L
1
R
E2
B21
6
BR
BR
47
2
R/Y
R/Y
1
L/W
L/W
D9
ECM
D:
B137
4
W
W
a
E40

WI-44413

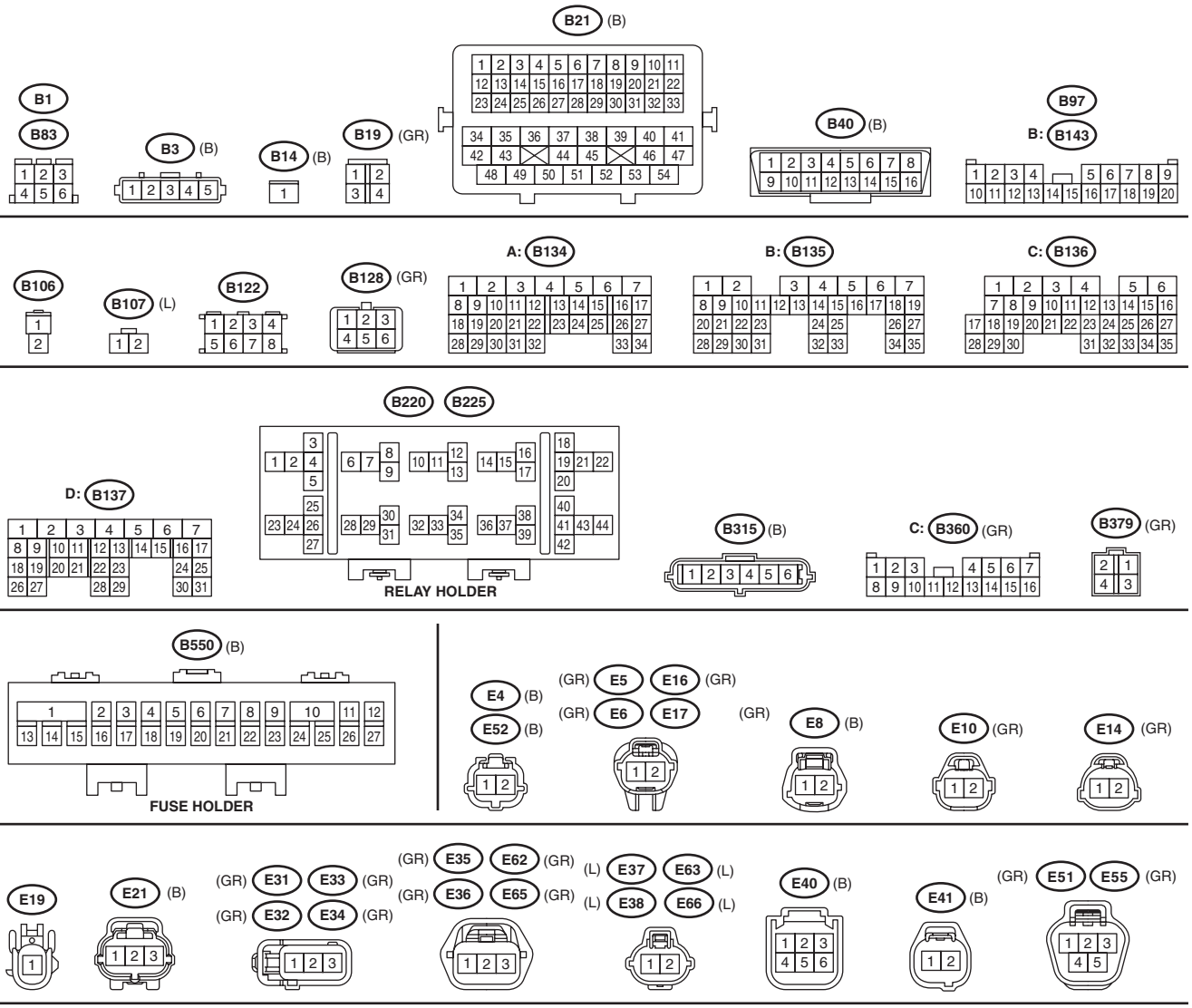


*1 : TERMINAL No. OPTIONAL ARRANGEMENT

WI-44414

3p 3p

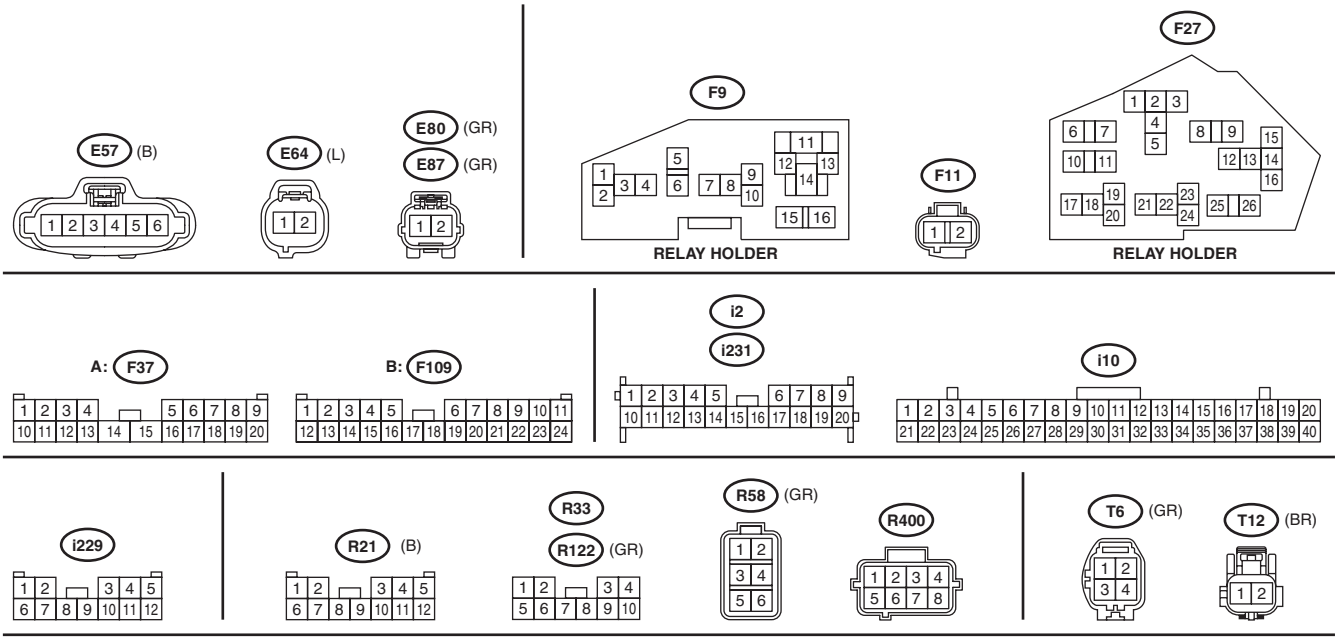
LIST OF CONNECTORS



WI-44415

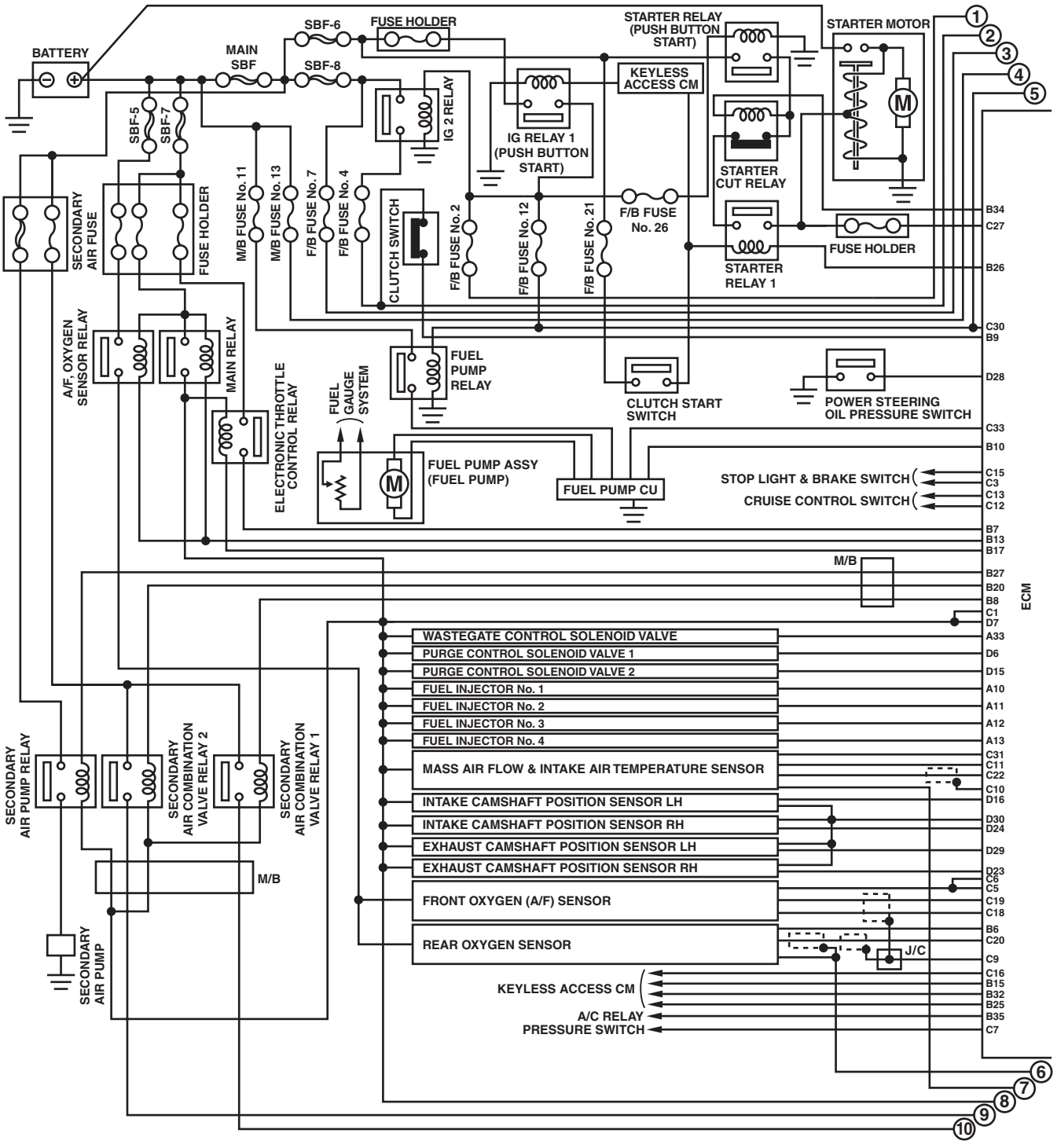
3q 3q

LIST OF CONNECTORS

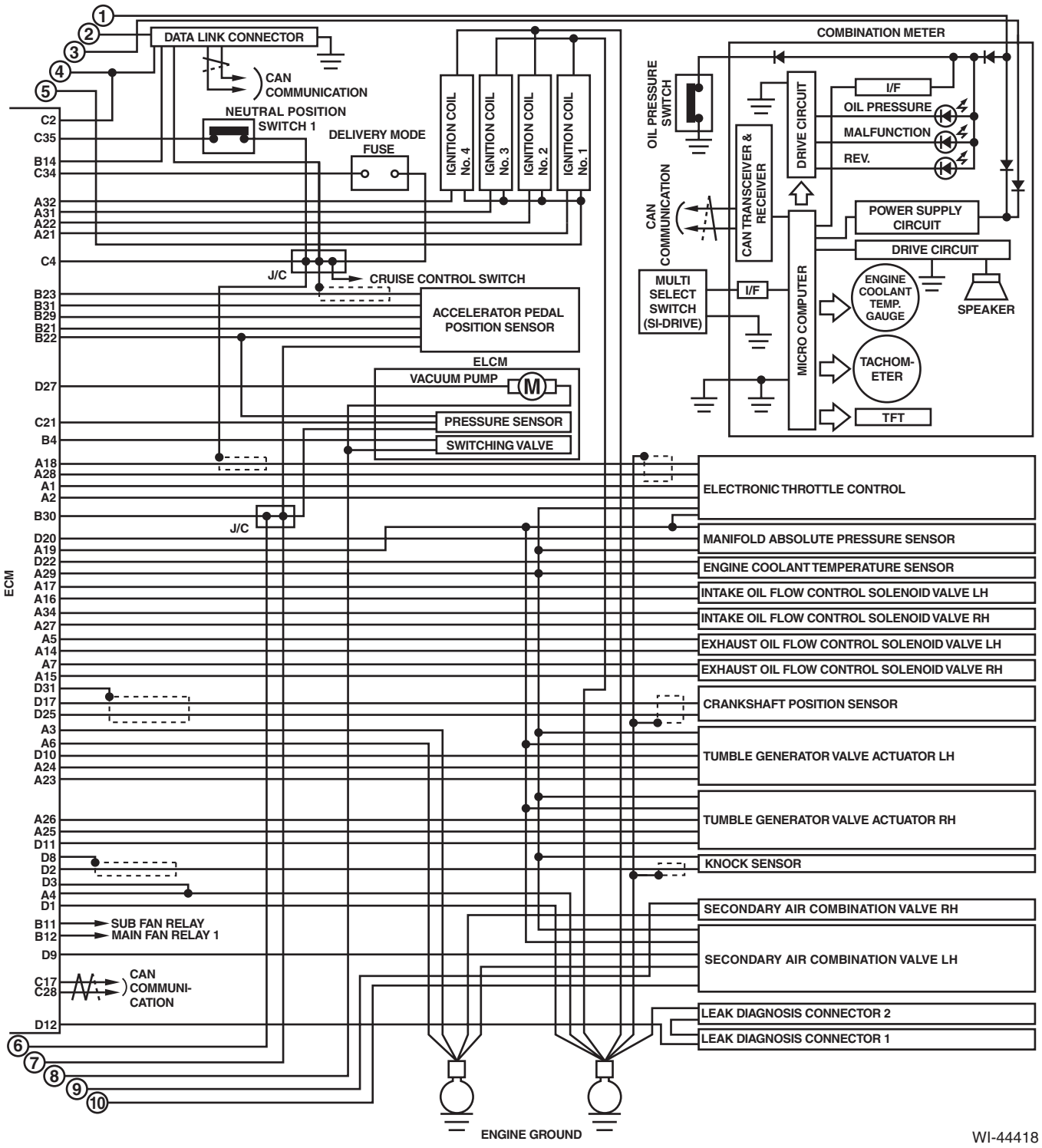


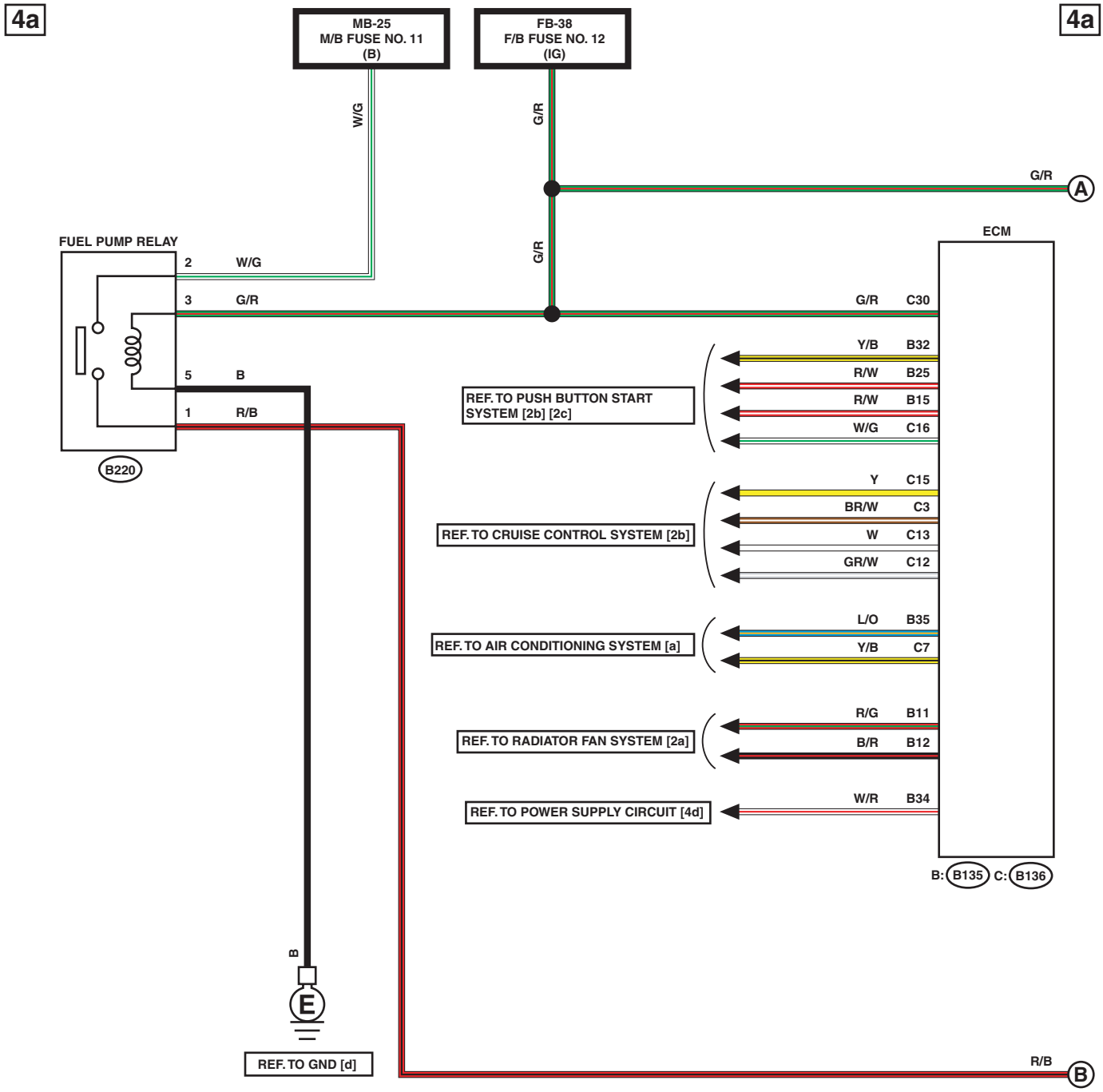
WI-44416

4. ENGINE TYPE EJ (WITH PUSH BUTTON START)



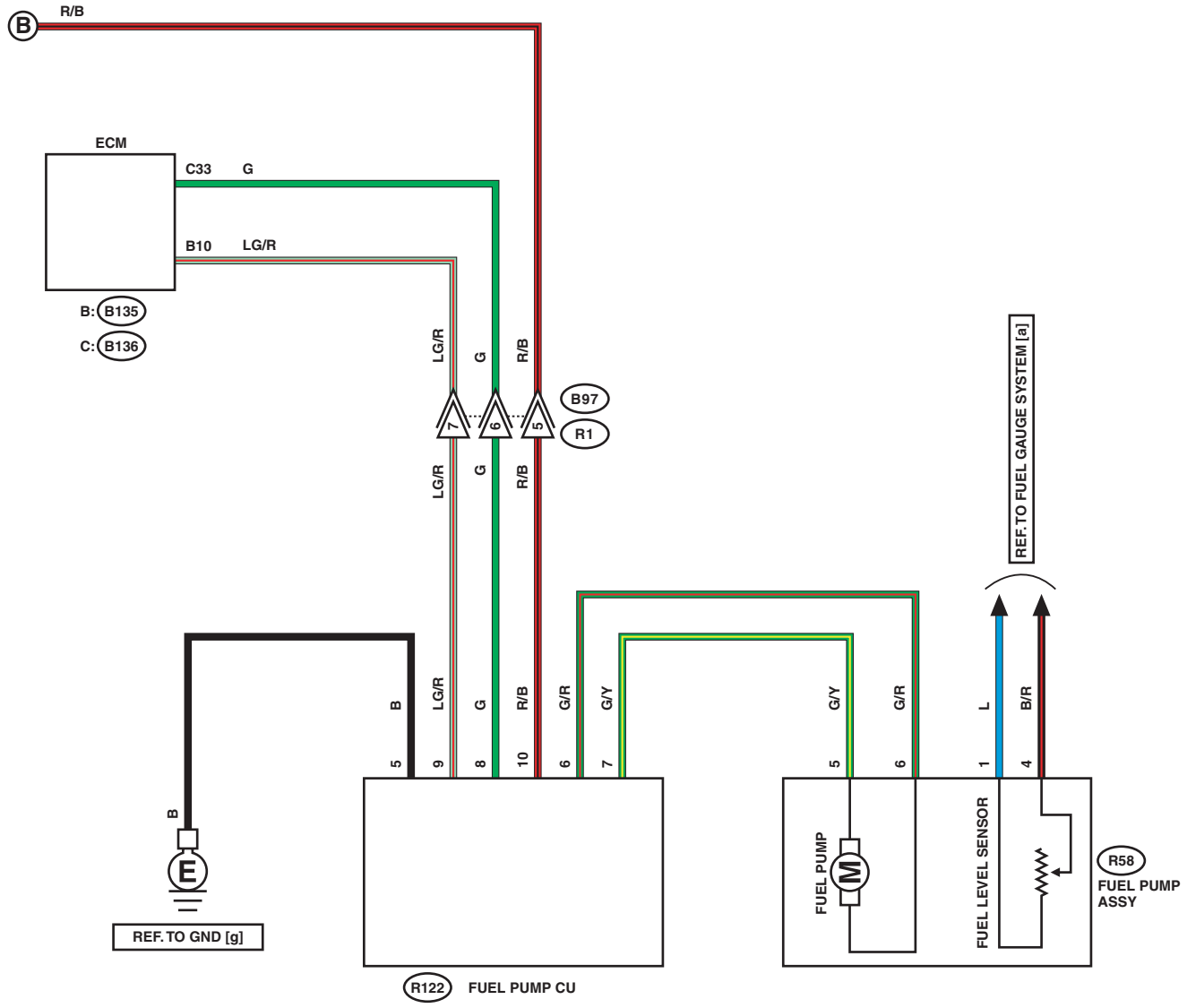
WI-44417


DATA LINK CONNECTOR
CAN COMMUNICATION
NEUTRAL POSITION SWITCH 1
DELIVERY MODE FUSE
IGNITION COIL No. 4
IGNITION COIL No. 3
IGNITION COIL No. 2
IGNITION COIL No. 1
COMBINATION METER
OIL PRESSURE SWITCH
I/F
OIL PRESSURE
MALFUNCTION
REV.
DRIVE CIRCUIT
CAN TRANSCEIVER & RECEIVER
CAN COMMUNICATION
POWER SUPPLY CIRCUIT
DRIVE CIRCUIT
MULTI SELECT SWITCH (SI-DRIVE)
I/F
MICRO COMPUTER
ENGINE COOLANT TEMP. GAUGE
SPEAKER
TACHOM-ETER
TFT
J/C
CRUISE CONTROL SWITCH
ACCELERATOR PEDAL POSITION SENSOR
ELCM
VACUUM PUMP
PRESSURE SENSOR
SWITCHING VALVE
J/C
ECM
C2
C35
B14
C34
A32
A31
A22
A21
C4
B23
B31
B29
B21
B22
D27
C21
B4
A18
A28
A1
A2
B30
D20
A19
D22
A29
A17
A16
A34
A27
A5
A14
A7
A15
D31
D17
D25
A3
A6
D10
A24
A23
A26
A25
D11
D8
D2
D3
A4
D1
B11
B12
SUB FAN RELAY
MAIN FAN RELAY 1
D9
C17
C28
CAN COMMUNI-CATION
D12
ELECTRONIC THROTTLE CONTROL
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
INTAKE OIL FLOW CONTROL SOLENOID VALVE LH
INTAKE OIL FLOW CONTROL SOLENOID VALVE RH
EXHAUST OIL FLOW CONTROL SOLENOID VALVE LH
EXHAUST OIL FLOW CONTROL SOLENOID VALVE RH
CRANKSHAFT POSITION SENSOR
TUMBLE GENERATOR VALVE ACTUATOR LH
TUMBLE GENERATOR VALVE ACTUATOR RH
KNOCK SENSOR
SECONDARY AIR COMBINATION VALVE RH
SECONDARY AIR COMBINATION VALVE LH
LEAK DIAGNOSIS CONNECTOR 2
LEAK DIAGNOSIS CONNECTOR 1
ENGINE GROUND
WI-44418

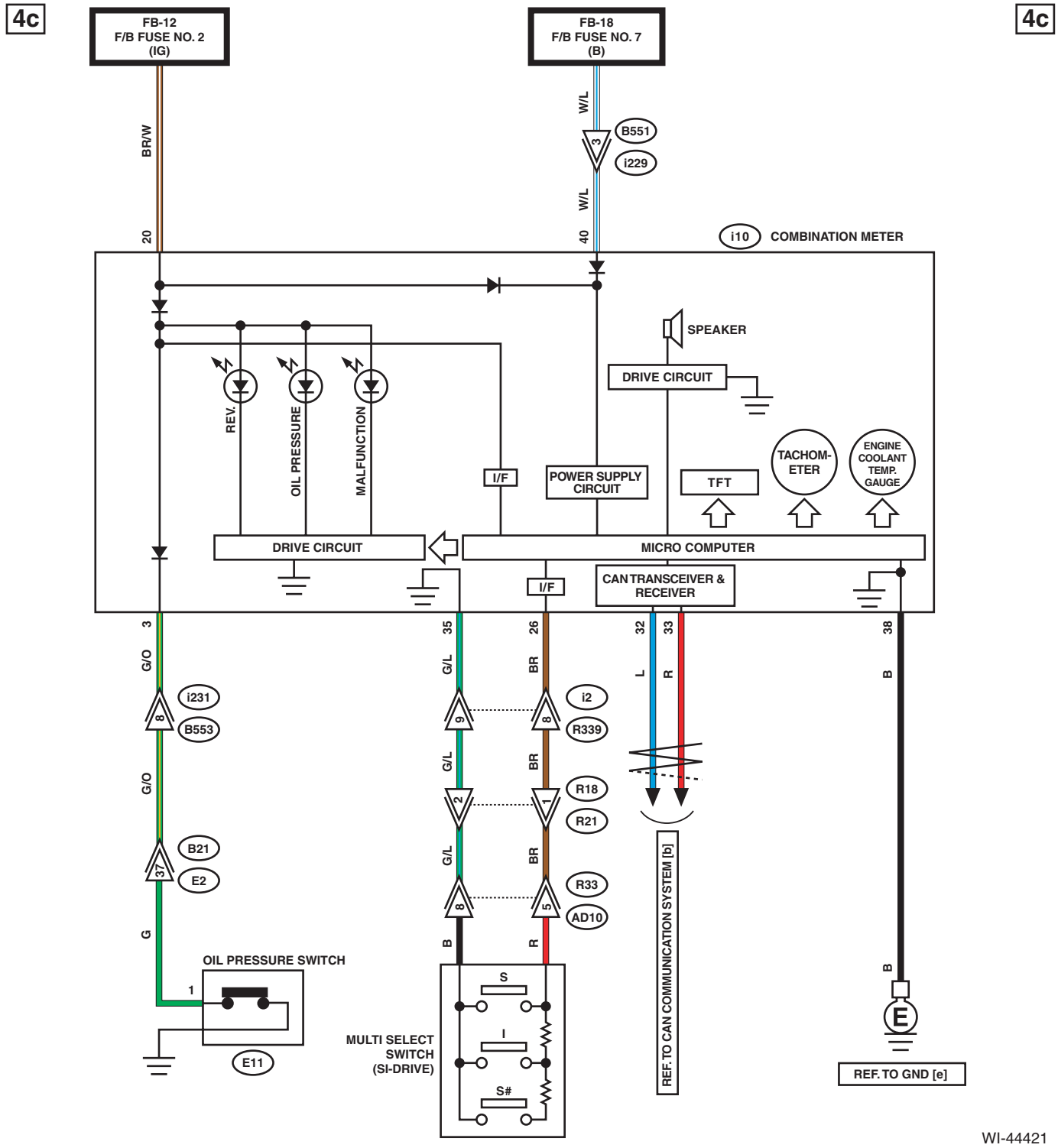

4a
4a
MB-25
M/B FUSE NO. 11
(B)
FB-38
F/B FUSE NO. 12
(IG)
W/G
G/R
G/R
A
FUEL PUMP RELAY
2 W/G
3 G/R
5 B
1 R/B
B220
G/R
ECM
G/R C30
Y/B B32
R/W B25
R/W B15
W/G C16
REF. TO PUSH BUTTON START SYSTEM [2b] [2c]
Y C15
BR/W C3
W C13
GR/W C12
REF. TO CRUISE CONTROL SYSTEM [2b]
L/O B35
Y/B C7
REF. TO AIR CONDITIONING SYSTEM [a]
R/G B11
B/R B12
REF. TO RADIATOR FAN SYSTEM [2a]
W/R B34
REF. TO POWER SUPPLY CIRCUIT [4d]
B: B135 C: B136
B
E
REF. TO GND [d]
R/B
B

WI-44419

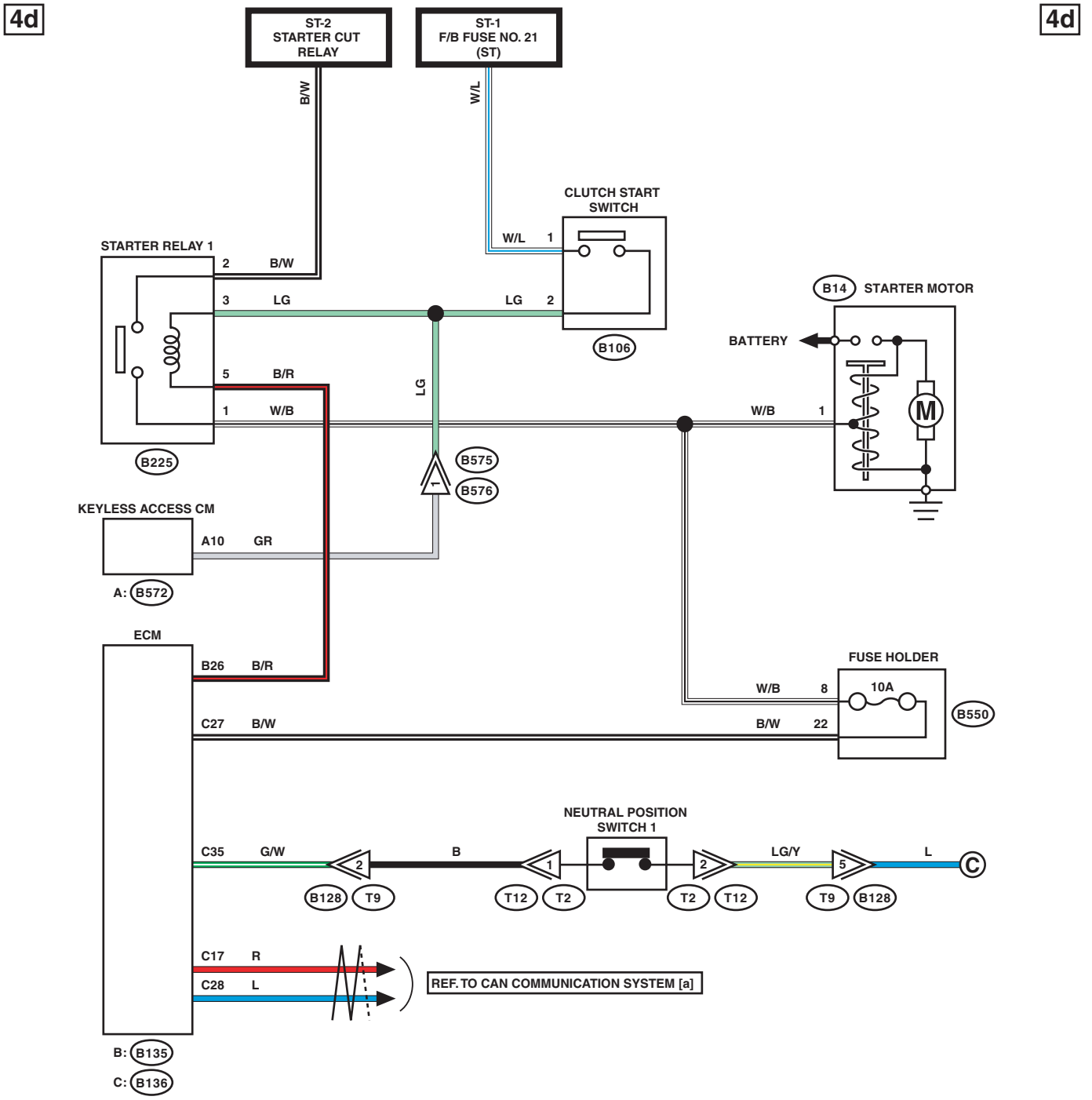
4b 4b



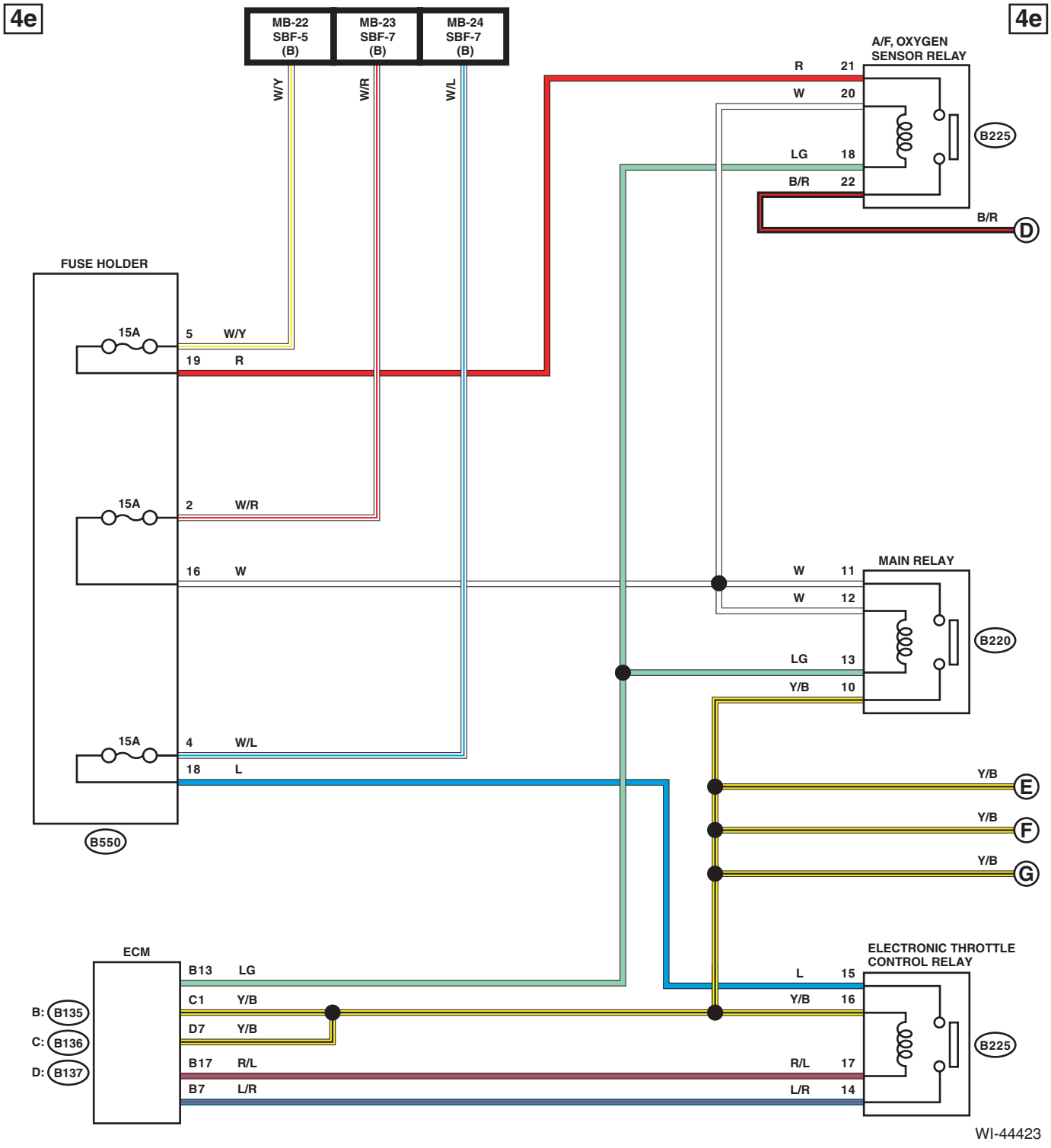
WI-44420

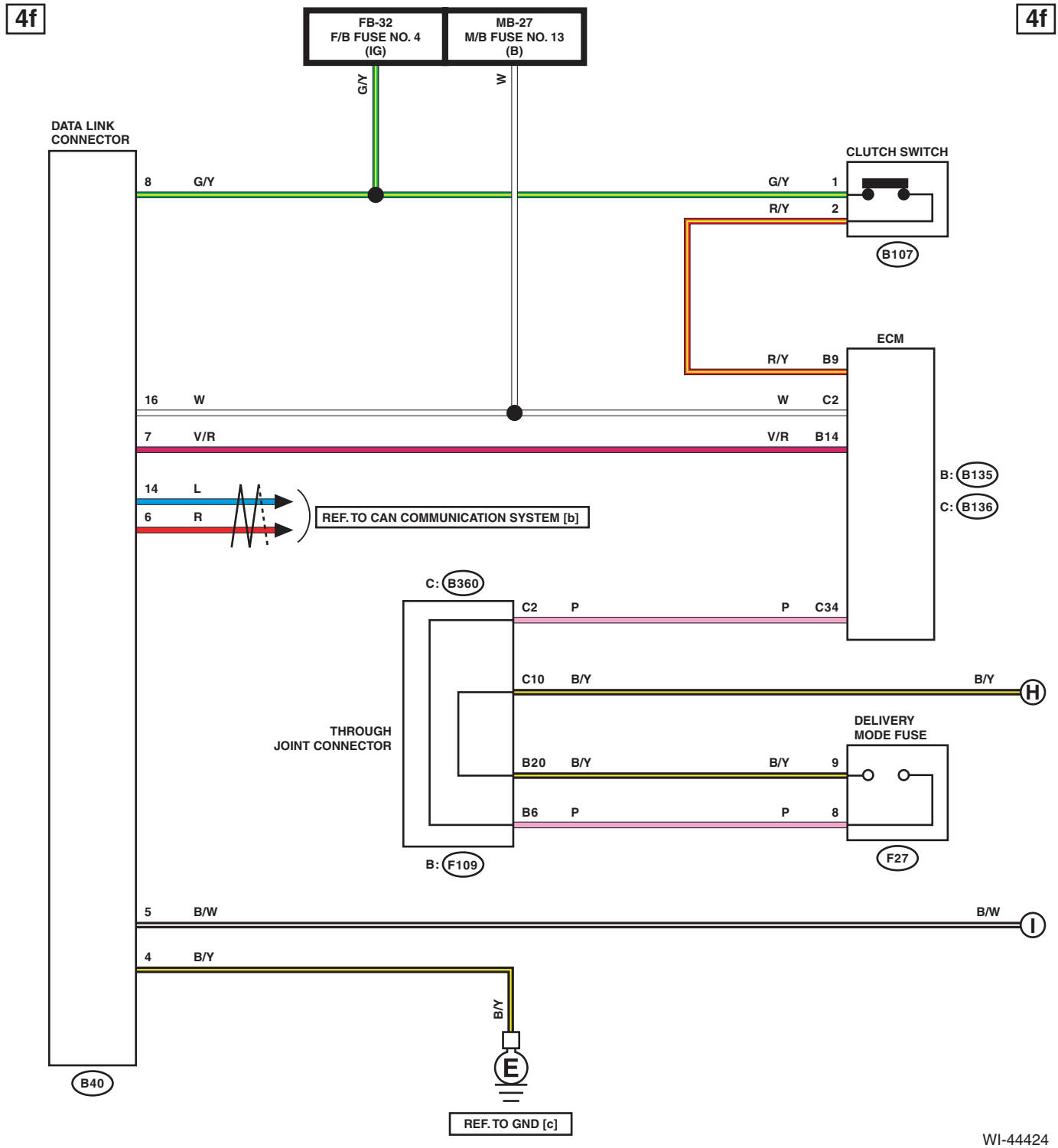

4c
4c
FB-12
F/B FUSE NO. 2
(IG)
FB-18
F/B FUSE NO. 7
(B)
BR/W
20
W/L
B551
3
i229
W/L
40
i10
COMBINATION METER
SPEAKER
DRIVE CIRCUIT
REV.
OIL PRESSURE
MALFUNCTION
I/F
POWER SUPPLY CIRCUIT
TFT
TACHOM-ETER
ENGINE COOLANT TEMP. GAUGE
DRIVE CIRCUIT
MICRO COMPUTER
I/F
CAN TRANSCEIVER & RECEIVER
3
G/O
35
G/L
26
BR
32
L
33
R
38
B
i231
8
B553
i2
9
8
R339
G/O
G/L
BR
R18
2
1
R21
B21
37
E2
G/L
BR
R33
8
5
AD10
G
B
R
OIL PRESSURE SWITCH
1
E11
S
I
S#
MULTI SELECT SWITCH (SI-DRIVE)
REF. TO CAN COMMUNICATION SYSTEM [b]
B
E
REF. TO GND [e]

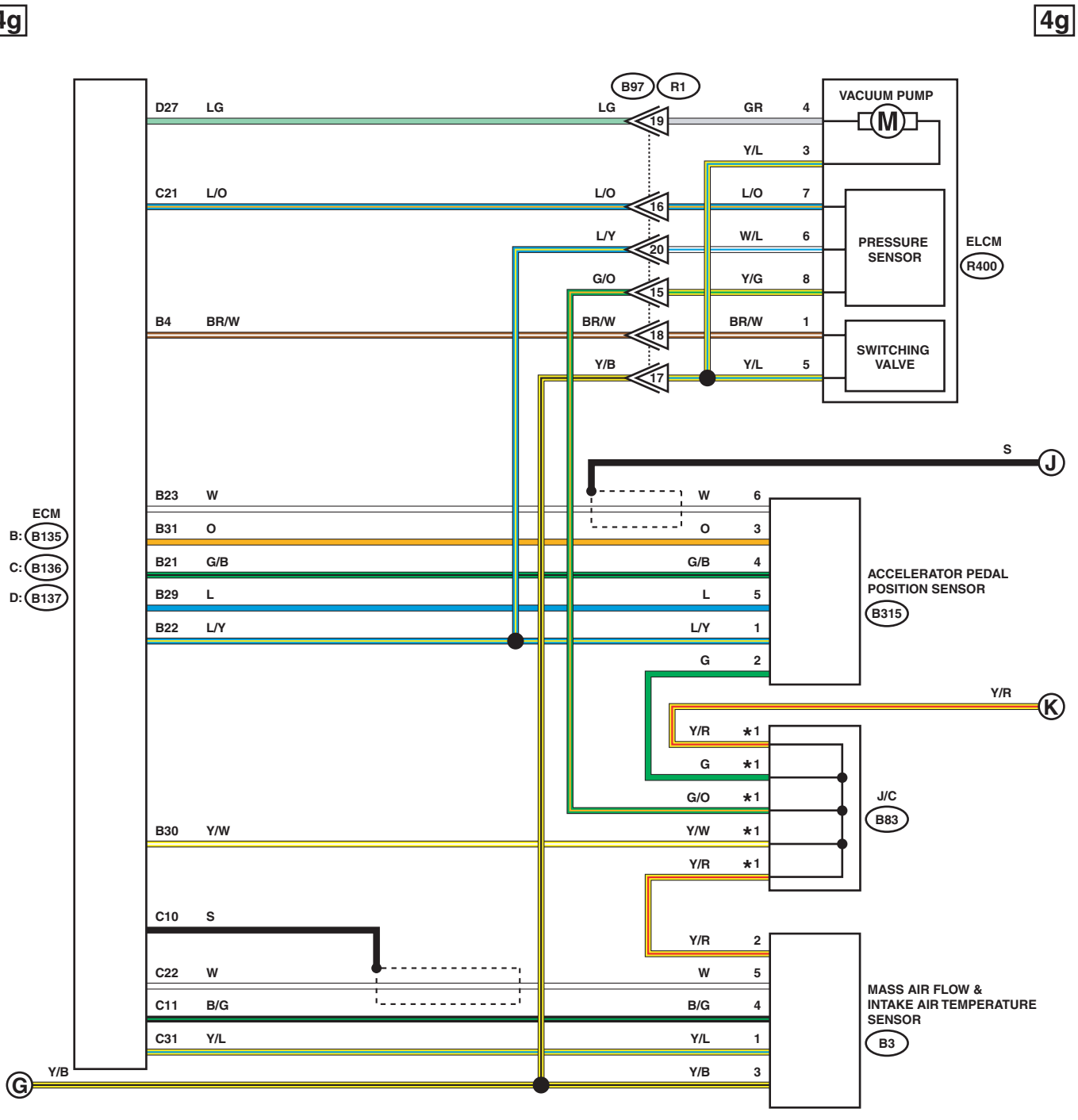
WI-44421


4d
4d
ST-2
STARTER CUT
RELAY
ST-1
F/B FUSE NO. 21
(ST)
B/W
W/L
CLUTCH START
SWITCH
W/L 1
STARTER RELAY 1
2 B/W
3 LG
LG 2
B106
B14 STARTER MOTOR
BATTERY
5 B/R
LG
1 W/B
W/B 1
M
B225
B575
B576
KEYLESS ACCESS CM
A10 GR
A: B572
ECM
B26 B/R
FUSE HOLDER
W/B 8
10A
B550
C27 B/W
B/W 22
NEUTRAL POSITION
SWITCH 1
C35 G/W
B
LG/Y
L
C
B128 T9
T12 T2
T2 T12
T9 B128
C17 R
C28 L
REF. TO CAN COMMUNICATION SYSTEM [a]
B: B135
C: B136

WI-44422

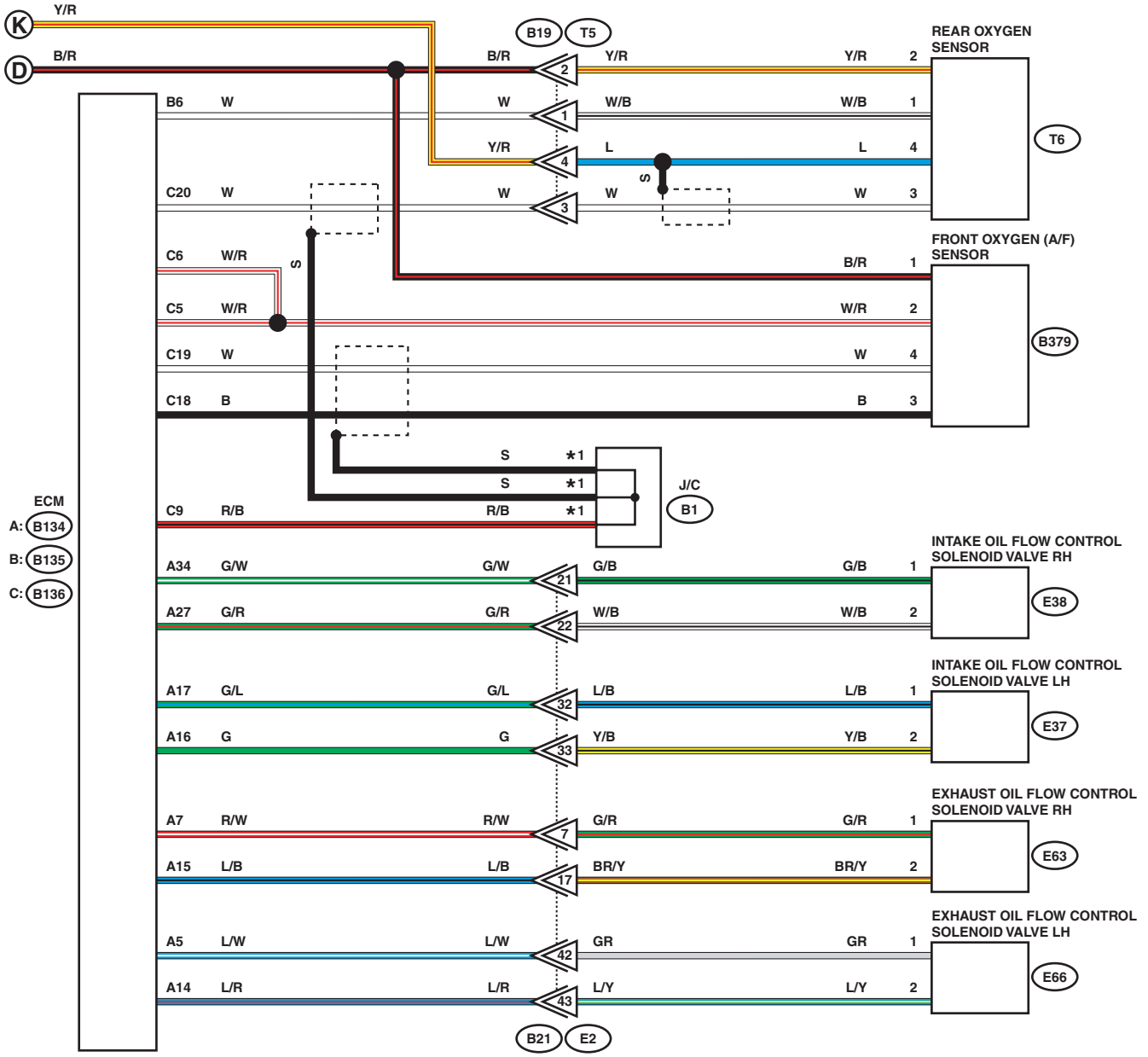

4e
4e
MB-22
SBF-5
(B)
MB-23
SBF-7
(B)
MB-24
SBF-7
(B)
W/Y
W/R
W/L
A/F, OXYGEN
SENSOR RELAY
R 21
W 20
LG 18
B/R 22
B225
B/R
D
FUSE HOLDER
15A
5 W/Y
19 R
15A
2 W/R
16 W
15A
4 W/L
18 L
B550
MAIN RELAY
W 11
W 12
LG 13
Y/B 10
B220
Y/B
E
Y/B
F
Y/B
G
ECM
B13 LG
C1 Y/B
D7 Y/B
B17 R/L
B7 L/R
B: B135
C: B136
D: B137
ELECTRONIC THROTTLE
CONTROL RELAY
L 15
Y/B 16
R/L 17
L/R 14
B225
WI-44423


4f
4f
FB-32
F/B FUSE NO. 4
(IG)
MB-27
M/B FUSE NO. 13
(B)
G/Y
W
DATA LINK
CONNECTOR
CLUTCH SWITCH
8 G/Y
G/Y 1
R/Y 2
B107
ECM
R/Y B9
16 W
W C2
7 V/R
V/R B14
B: B135
C: B136
14 L
6 R
REF. TO CAN COMMUNICATION SYSTEM [b]
C: B360
C2 P
P C34
C10 B/Y
B/Y
H
THROUGH
JOINT CONNECTOR
DELIVERY
MODE FUSE
B20 B/Y
B/Y 9
B6 P
P 8
B: F109
F27
5 B/W
B/W
I
4 B/Y
B/Y
E
B40
REF. TO GND [c]
WI-44424



∗1 : TERMINAL No. OPTIONAL ARRANGEMENT

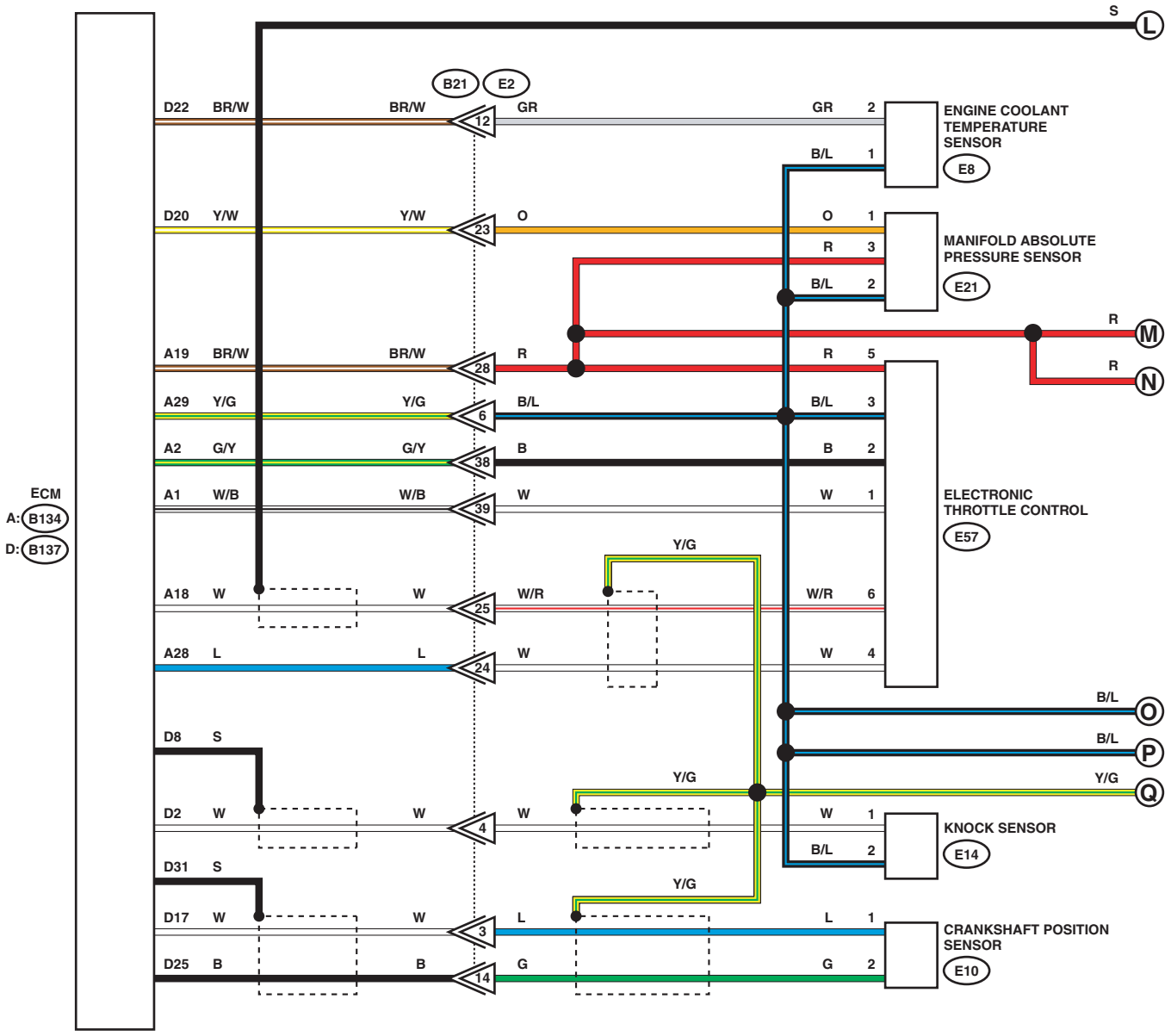
WI-44425



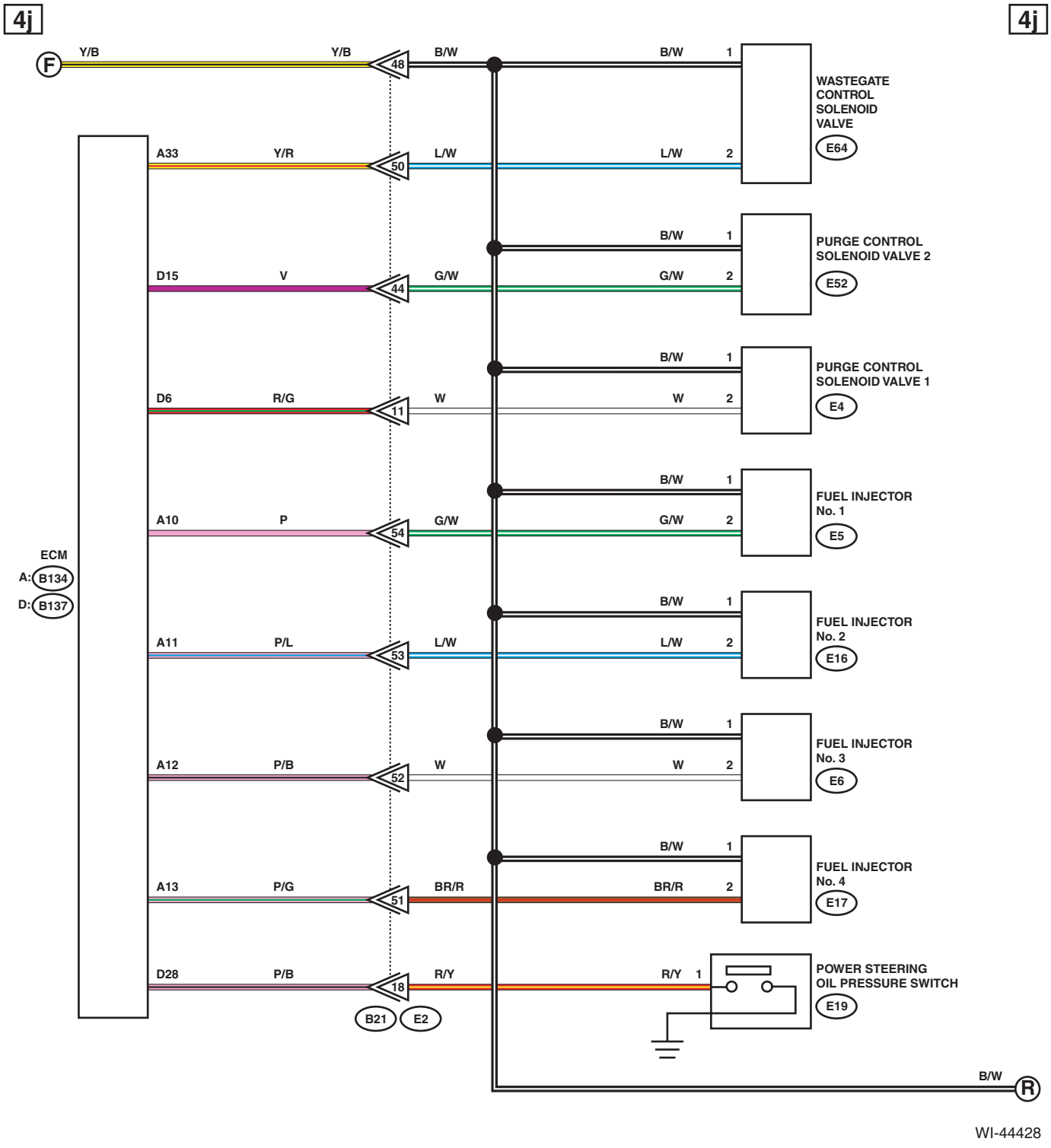
*1 : TERMINAL No. OPTIONAL ARRANGEMENT

WI-44426

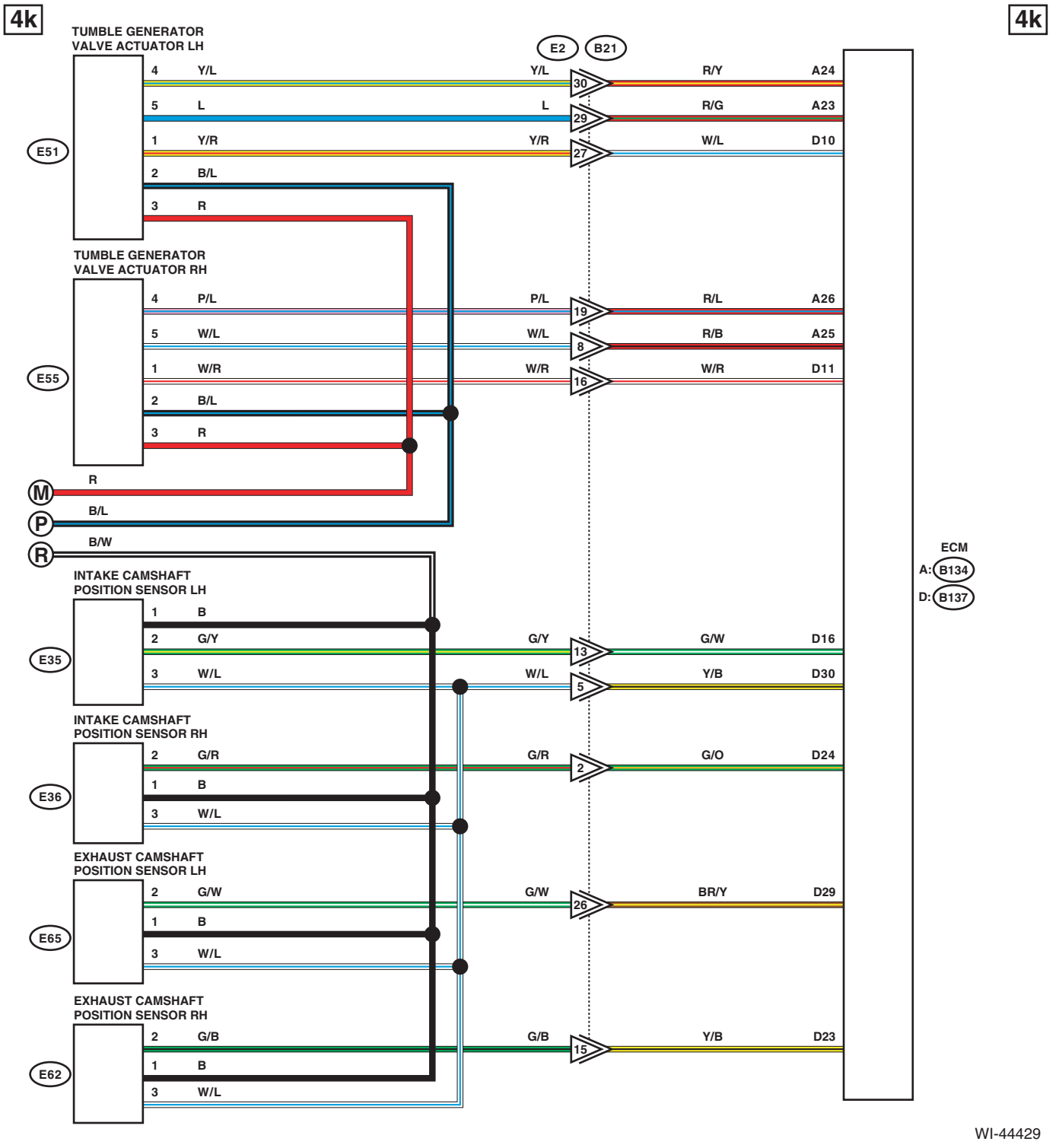
4i


S
L
B21
E2
D22 BR/W
BR/W
12
GR
GR 2
ENGINE COOLANT TEMPERATURE SENSOR
E8
B/L 1
D20 Y/W
Y/W
23
O
O 1
MANIFOLD ABSOLUTE PRESSURE SENSOR
E21
R 3
B/L 2
R
M
R
N
A19 BR/W
BR/W
28
R
R 5
A29 Y/G
Y/G
6
B/L
B/L 3
A2 G/Y
G/Y
38
B
B 2
ECM
A: B134
D: B137
A1 W/B
W/B
39
W
W 1
ELECTRONIC THROTTLE CONTROL
E57
Y/G
A18 W
W
25
W/R
W/R 6
A28 L
L
24
W
W 4
B/L
O
B/L
P
D8 S
Y/G
Y/G
Q
D2 W
W
4
W
W 1
KNOCK SENSOR
E14
B/L 2
D31 S
Y/G
D17 W
W
3
L
L 1
CRANKSHAFT POSITION SENSOR
E10
D25 B
B
14
G
G 2

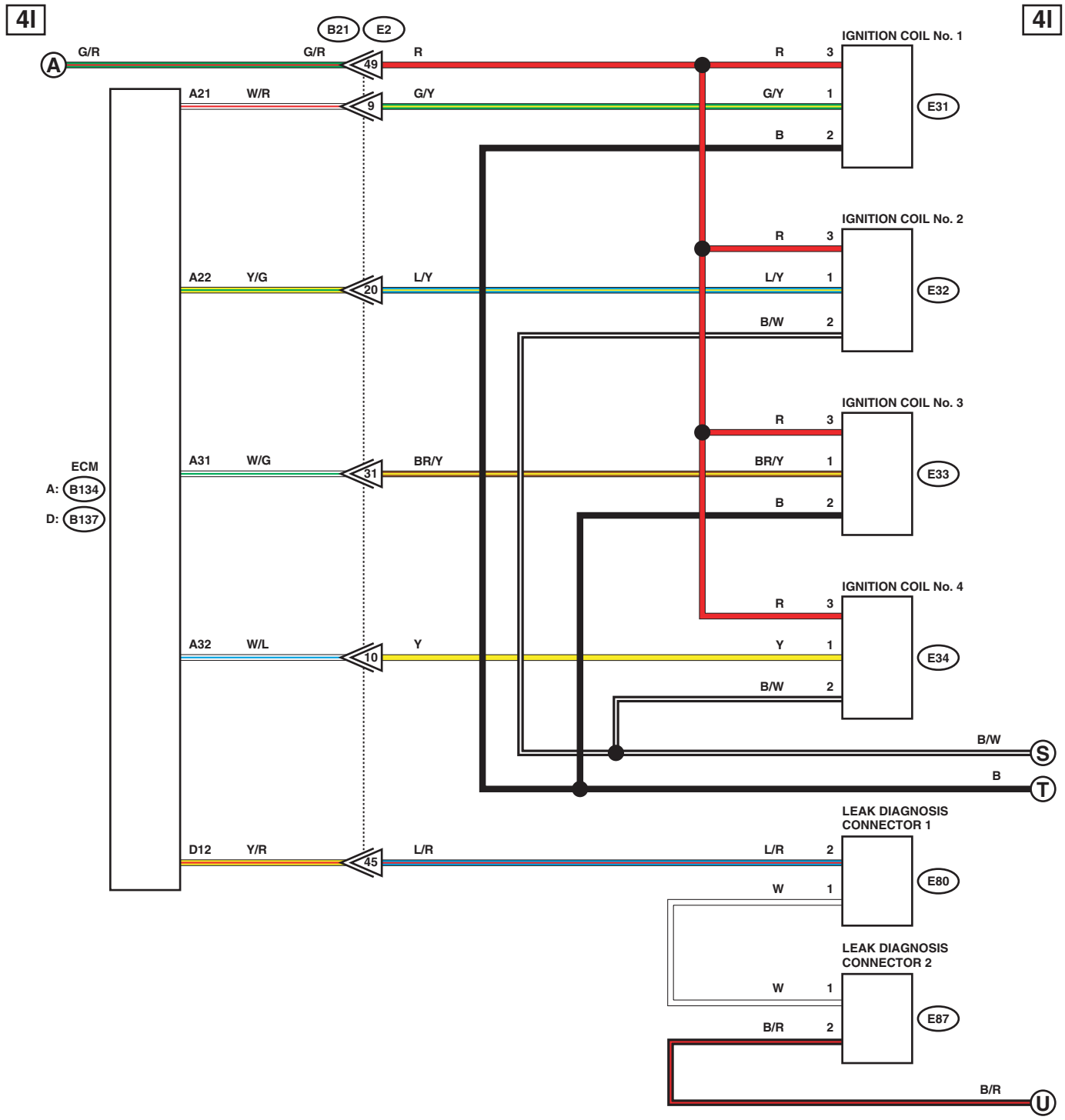
WI-44427


4j
4j
F
Y/B
Y/B
48
B/W
B/W 1
WASTEGATE CONTROL SOLENOID VALVE
E64
A33
Y/R
50
L/W
L/W 2
B/W 1
PURGE CONTROL SOLENOID VALVE 2
E52
D15
V
44
G/W
G/W 2
B/W 1
PURGE CONTROL SOLENOID VALVE 1
E4
D6
R/G
11
W
W 2
B/W 1
FUEL INJECTOR No. 1
E5
A10
P
54
G/W
G/W 2
ECM
A: B134
D: B137
B/W 1
FUEL INJECTOR No. 2
E16
A11
P/L
53
L/W
L/W 2
B/W 1
FUEL INJECTOR No. 3
E6
A12
P/B
52
W
W 2
B/W 1
FUEL INJECTOR No. 4
E17
A13
P/G
51
BR/R
BR/R 2
D28
P/B
18
R/Y
R/Y 1
POWER STEERING OIL PRESSURE SWITCH
E19
B21
E2
B/W
R

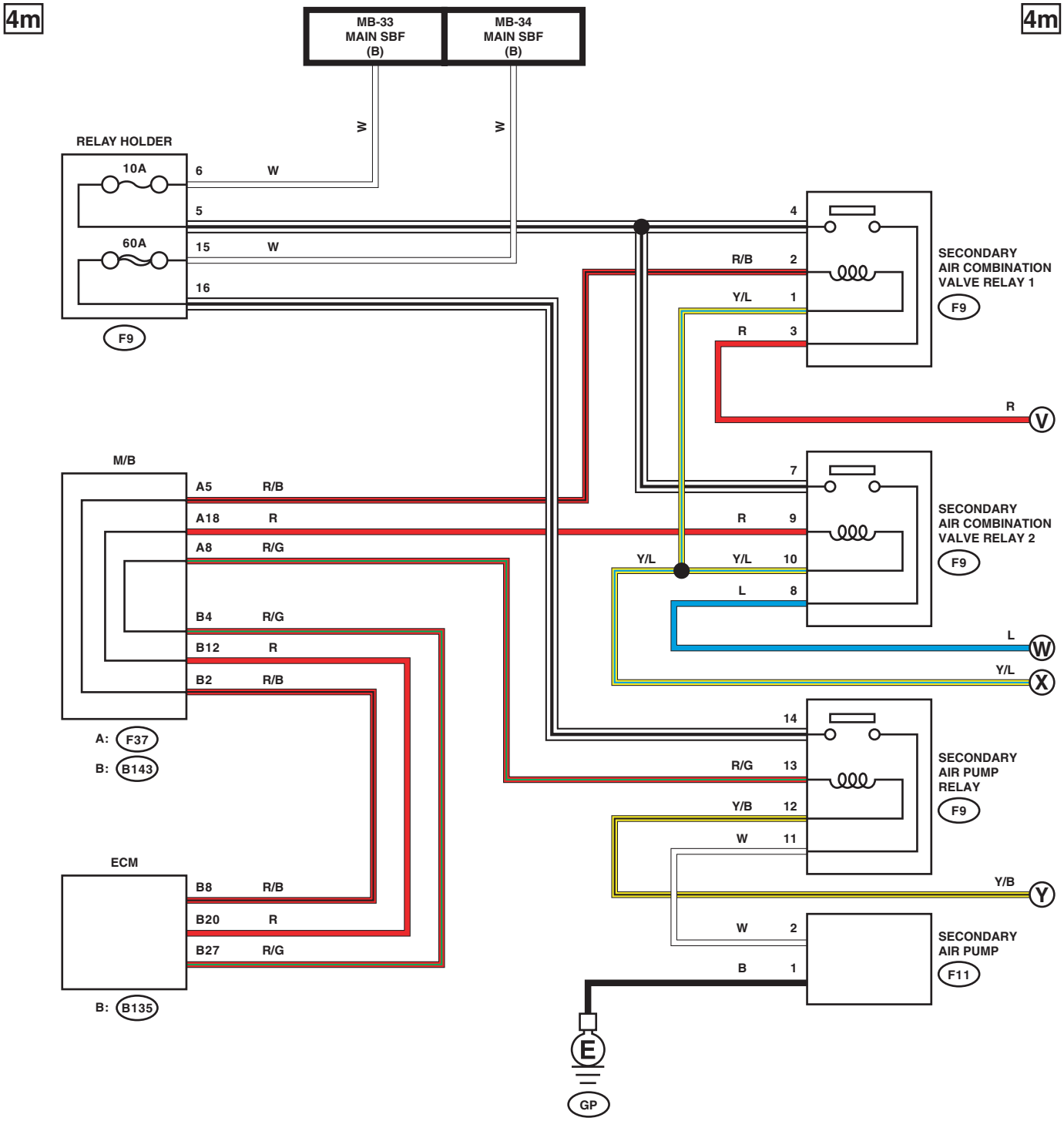
WI-44428


4k
4k
TUMBLE GENERATOR VALVE ACTUATOR LH
E51
4 Y/L
5 L
1 Y/R
2 B/L
3 R
TUMBLE GENERATOR VALVE ACTUATOR RH
E55
4 P/L
5 W/L
1 W/R
2 B/L
3 R
M R
P B/L
R B/W
INTAKE CAMSHAFT POSITION SENSOR LH
E35
1 B
2 G/Y
3 W/L
INTAKE CAMSHAFT POSITION SENSOR RH
E36
2 G/R
1 B
3 W/L
EXHAUST CAMSHAFT POSITION SENSOR LH
E65
2 G/W
1 B
3 W/L
EXHAUST CAMSHAFT POSITION SENSOR RH
E62
2 G/B
1 B
3 W/L
E2
B21
Y/L 30
L 29
Y/R 27
P/L 19
W/L 8
W/R 16
G/Y 13
W/L 5
G/R 2
G/W 26
G/B 15
R/Y A24
R/G A23
W/L D10
R/L A26
R/B A25
W/R D11
G/W D16
Y/B D30
G/O D24
BR/Y D29
Y/B D23
ECM
A: B134
D: B137

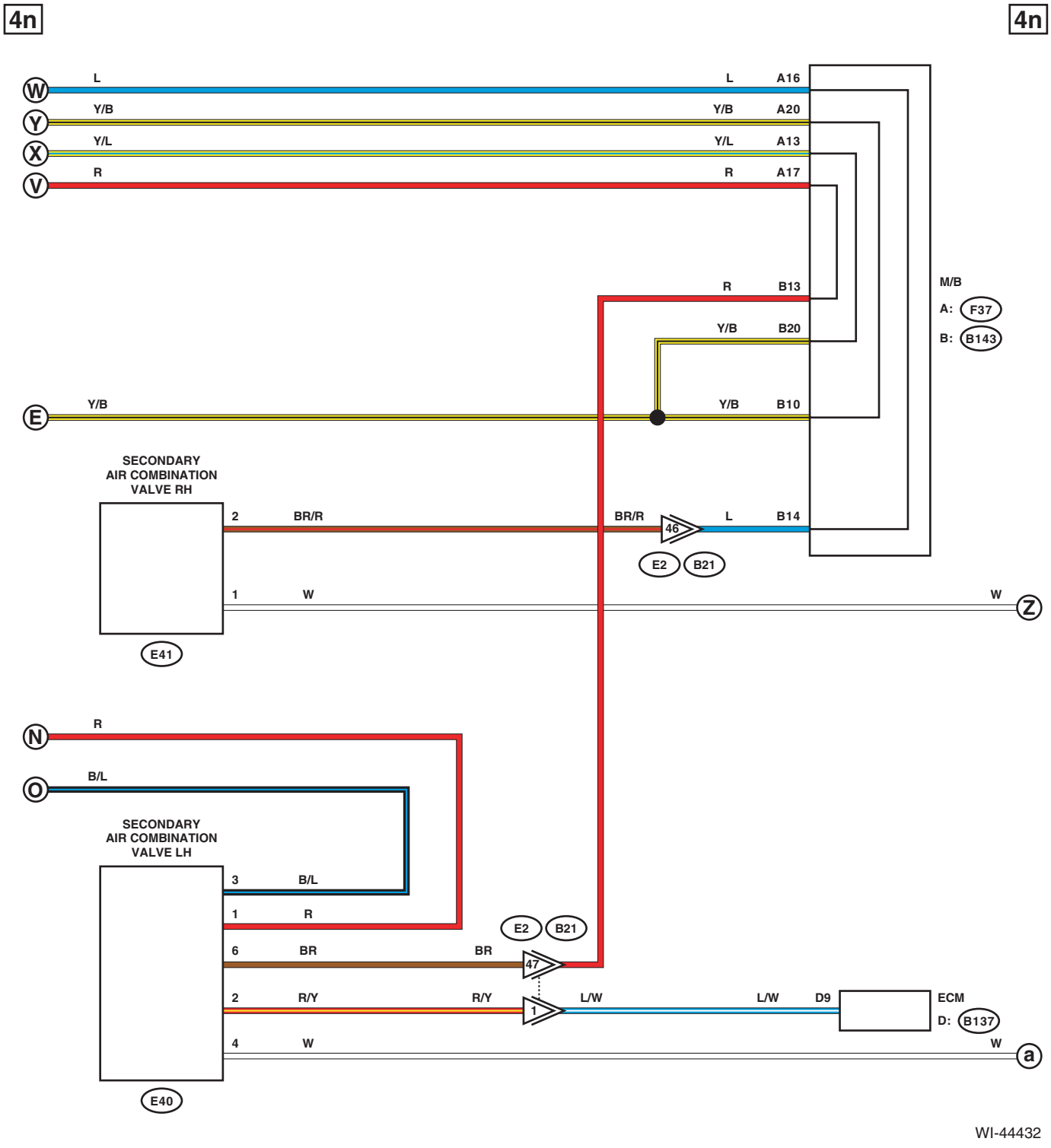
WI-44429

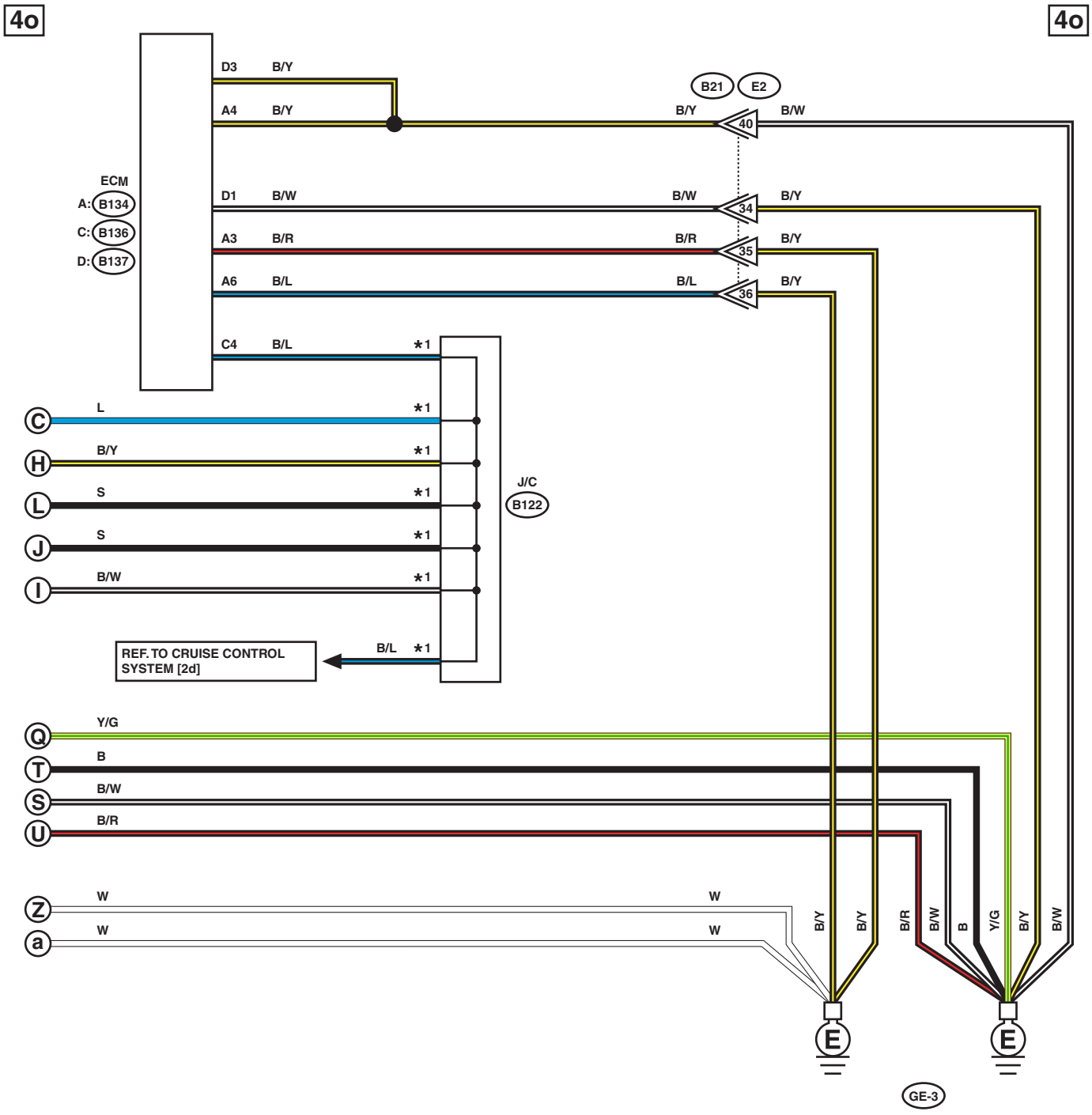

4I
4I
B21
E2
A
G/R
G/R
49
R
IGNITION COIL No. 1
R 3
G/Y 1
B 2
E31
A21 W/R
9
G/Y
IGNITION COIL No. 2
R 3
L/Y 1
B/W 2
E32
A22 Y/G
20
L/Y
IGNITION COIL No. 3
R 3
BR/Y 1
B 2
E33
ECM
A: B134
D: B137
A31 W/G
31
BR/Y
IGNITION COIL No. 4
R 3
Y 1
B/W 2
E34
A32 W/L
10
Y
B/W
S
B
T
LEAK DIAGNOSIS CONNECTOR 1
L/R 2
W 1
E80
D12 Y/R
45
L/R
LEAK DIAGNOSIS CONNECTOR 2
W 1
B/R 2
E87
B/R
U

WI-44430


4m
4m
MB-33
MAIN SBF
(B)
MB-34
MAIN SBF
(B)
W
W
RELAY HOLDER
10A
6
W
5
60A
15
W
16
F9
4
R/B
2
Y/L
1
R
3
SECONDARY
AIR COMBINATION
VALVE RELAY 1
F9
R
V
M/B
A5
R/B
A18
R
A8
R/G
B4
R/G
B12
R
B2
R/B
A: F37
B: B143
7
R
9
Y/L
Y/L
10
L
8
SECONDARY
AIR COMBINATION
VALVE RELAY 2
F9
L
W
Y/L
X
14
R/G
13
Y/B
12
W
11
SECONDARY
AIR PUMP
RELAY
F9
Y/B
Y
ECM
B8
R/B
B20
R
B27
R/G
B: B135
W
2
B
1
SECONDARY
AIR PUMP
F11
E
GP

WI-44431


4n
4n
W
L
L
A16
Y
Y/B
Y/B
A20
X
Y/L
Y/L
A13
V
R
R
A17
R
B13
M/B
A: F37
B: B143
Y/B
B20
E
Y/B
Y/B
B10
SECONDARY AIR COMBINATION VALVE RH
2
BR/R
BR/R
46
L
B14
E2
B21
1
W
W
Z
E41
N
R
O
B/L
SECONDARY AIR COMBINATION VALVE LH
3
B/L
1
R
E2
B21
6
BR
BR
47
2
R/Y
R/Y
1
L/W
L/W
D9
ECM
D: B137
4
W
W
a
E40
WI-44432

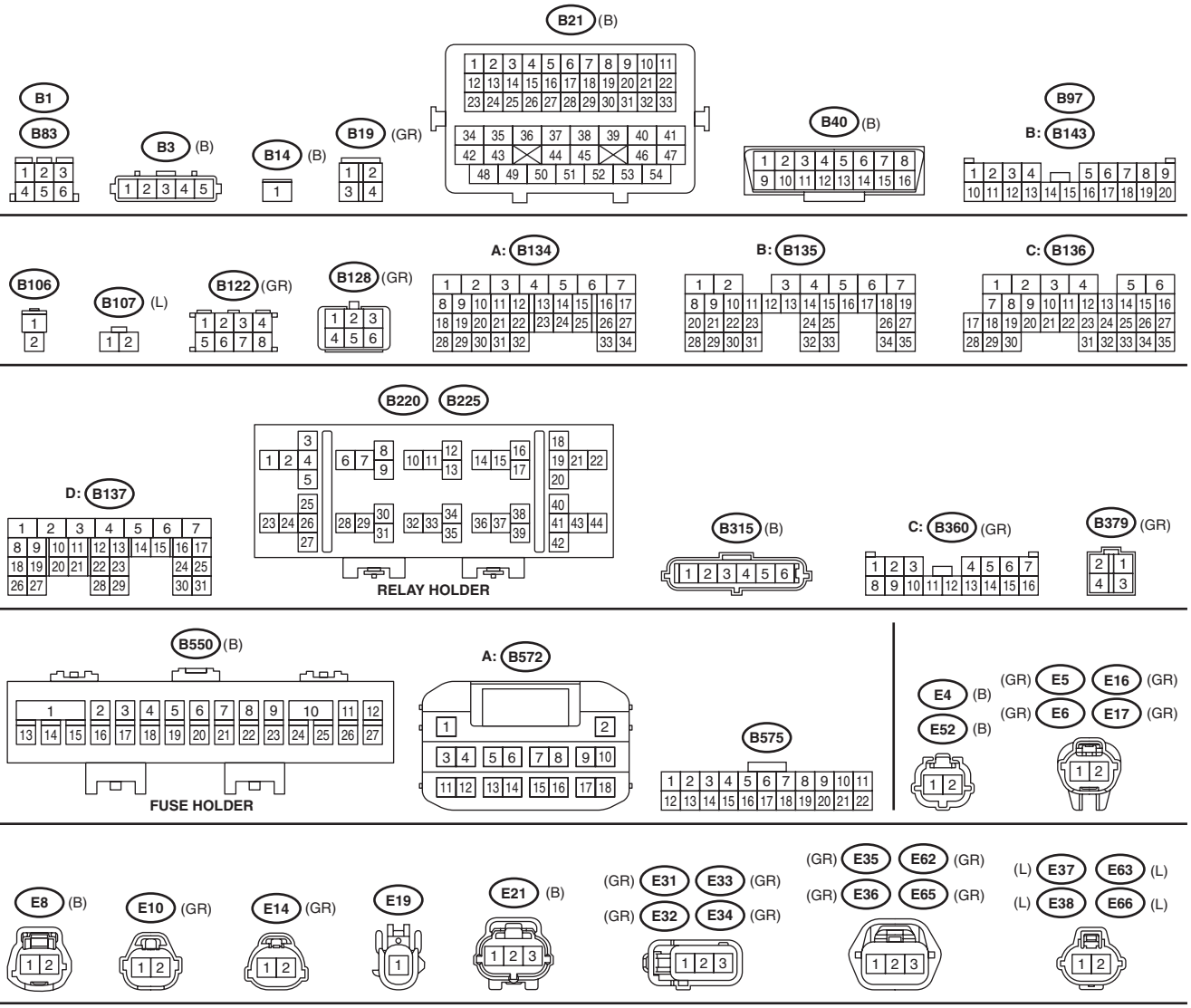


*1 : TERMINAL No. OPTIONAL ARRANGEMENT

WI-44433

4p 4p

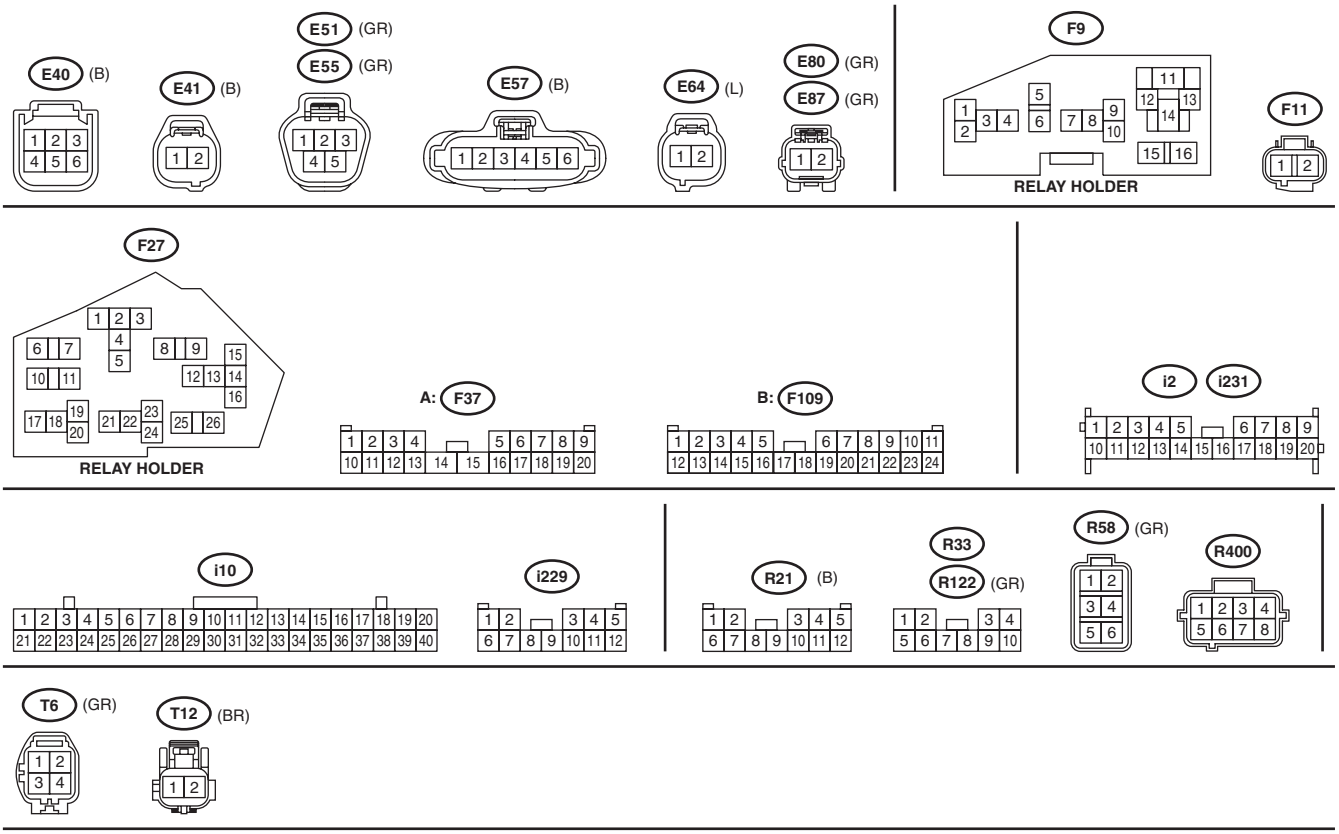
LIST OF CONNECTORS



WI-44434

4q 4q

LIST OF CONNECTORS



WI-44435