IGNITION OR STARTER SWITCH ASSY

80027–04

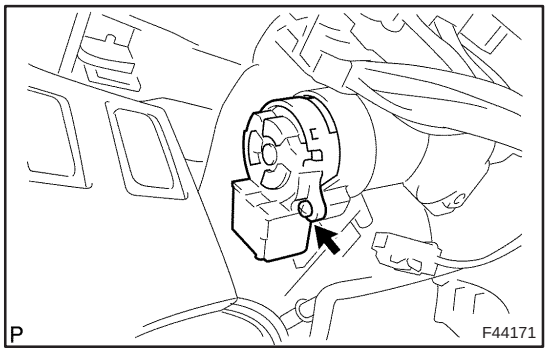
REPLACEMENT

HINT:

The installation is in the reverse order of the removal.

1. REMOVE STEERING COLUMN COVER LWR (See page 50–9)

2. REMOVE STEERING COLUMN COVER UPR (See page 50–9)



3. REMOVE IGNITION OR STARTER SWITCH ASSY

(a) Disconnect the ignition switch and unlock warning switch connectors.

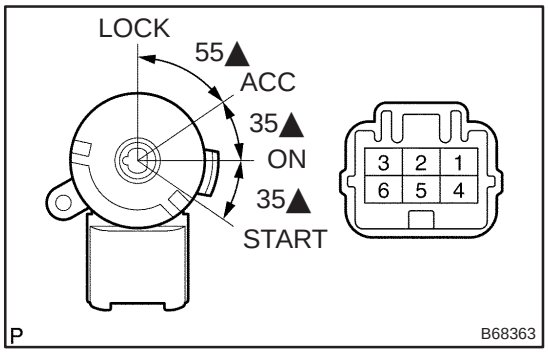
(b) Remove the clamp.

(c) Remove the screw and ignition switch.

http://vnx.su

80028–04

INSPECTION



1. INSPECT IGNITION OR STARTER SWITCH ASSY

(a) Inspect the switch resistance.

Standard:

Terminal No.	Switch Condition	Specified Condition
2 – 3	ACC	Below 1ϕ
1 – 3	ON	
2 – 3		
4 – 6		
1 – 3	START	
4 – 5		
4 – 6		

If the result is not as specified, replace the switch.

http://vnx.su

A INTRODUCTION

This manual consists of the following 13 sections:

No.	Section	Description
A	INDEX	Index of the contents of this manual.
	INTRODUCTION	Brief explanation of each section.
B	HOW TO USE THIS MANUAL	Instructions on how to use this manual.
C	TROUBLE–SHOOTING	Describes the basic inspection procedures for electrical circuits.
D	ABBREVIATIONS	Defines the abbreviations used in this manual.
E	GLOSSARY OF TERMS AND SYMBOLS	Defines the symbols and functions of major parts.
F	RELAY LOCATIONS	Shows position of the Electronic Control Unit, Relays, Relay Block, etc. This section is closely related to the system circuit.
G	ELECTRICAL WIRING ROUTING	Describes position of Parts Connectors, Splice points, Ground points, etc. This section is closely related to the system circuit.
H	INDEX	Index of the system circuits.
	SYSTEM CIRCUITS	Electrical circuits of each system are shown from the power supply through ground points. Wiring connections and their positions are shown and classified by code according to the connection method. (Refer to the section, ”How to use this manual”). The ”System Outline” and ”Service Hints” useful for troubleshooting are also contained in this section.
I	GROUND POINT	Shows ground positions of all parts described in this manual.
J	POWER SOURCE (Current Flow Chart)	Describes power distribution from the power supply to various electrical loads.
K	CONNECTOR LIST	Describes the form of the connectors for the parts appeared in this book. This section is closely related to the system circuit.
L	PART NUMBER OF CONNECTORS	Indicates the part number of the connectors used in this manual.
M	OVERALL ELECTRICAL WIRING DIAGRAM	Provides circuit diagrams showing the circuit connections.

http://vnx.su

This manual provides information on the electrical circuits installed on vehicles by dividing them into a circuit for each system.

The actual wiring of each system circuit is shown from the point where the power source is received from the battery as far as each ground point. (All circuit diagrams are shown with the switches in the OFF position.)

When troubleshooting any problem, first understand the operation of the circuit where the problem was detected (see System Circuit section), the power source supplying power to that circuit (see Power Source section), and the ground points (see Ground Point section). See the System Outline to understand the circuit operation.

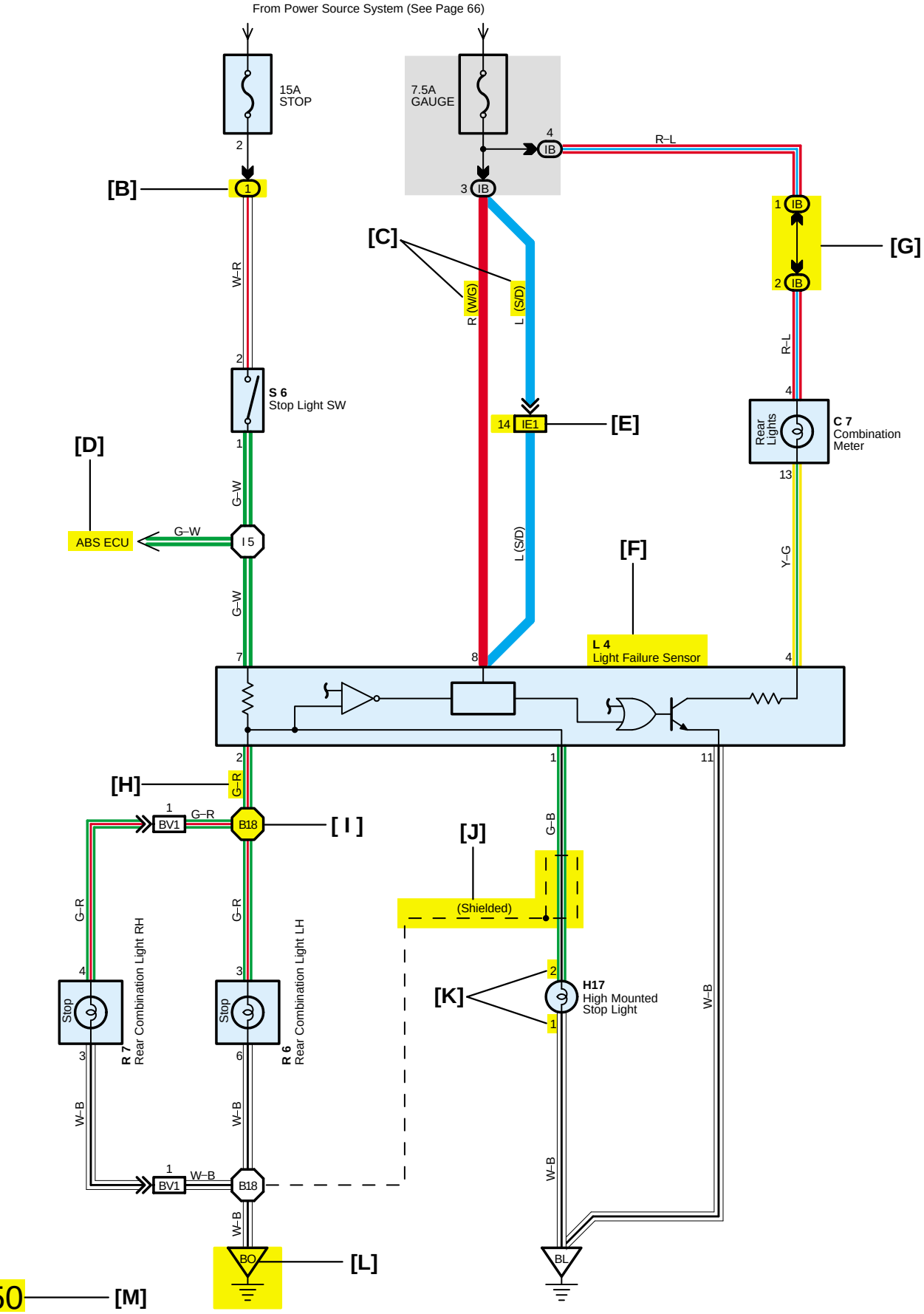
When the circuit operation is understood, begin troubleshooting of the problem circuit to isolate the cause. Use Relay Location and Electrical Wiring Routing sections to find each part, junction block and wiring harness connectors, wiring harness and wiring harness connectors, splice points, and ground points of each system circuit. Internal wiring for each junction block is also provided for better understanding of connection within a junction block.
Wiring related to each system is indicated in each system circuit by arrows (from__, to__). When overall connections are required, see the Overall Electrical Wiring Diagram at the end of this manual.

http://vnx.su

[A]

Stop Light

* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.



http://vnx.su

[A] : System Title

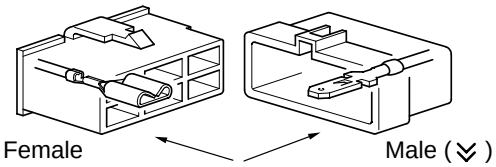
[B] : Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B

Example: (1) Indicates Relay Block No.1

[C] : ( ) is used to indicate different wiring and connector, etc. when the vehicle model, engine type, or specification is different.

[D] : Indicates related system.

[E] : Indicates the wiring harness and wiring harness connector. The wiring harness with male terminal is shown with arrows (»).
Outside numerals are pin numbers.



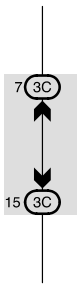
The first letter of the code for each wiring harness and wiring harness connector(s) indicates the component's location, e.g, "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.

When more than one code has the first and second letters in common, followed by numbers (e.g, IH1, IH2), this indicates the same type of wiring harness and wiring harness connector.

[F] : Represents a part (all parts are shown in sky blue). The code is the same as the code used in parts position.

[G] : Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

Example:



3C indicates that it is inside Junction Block No.3

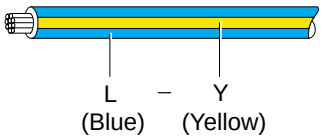
[H] : Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

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

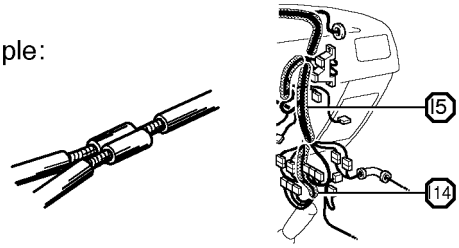
The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

Example: L – Y



[I] : Indicates a wiring Splice Point (Codes are "E" for the Engine Room, "I" for the Instrument Panel, and "B" for the Body).

Example:



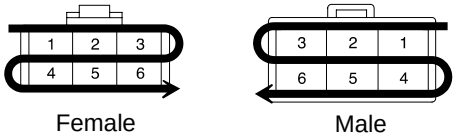
The Location of splice Point I 5 is indicated by the shaded section.

[J] : Indicates a shielded cable.



[K] : Indicates the pin number of the connector.
The numbering system is different for female and male connectors.

Example:



[L] : Indicates a ground point.

The first letter of the code for each ground point(s) indicates the component's location, e.g, "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.

[M] : Page No.

http://vnx.su

[N] **System Outline**

Current is applied at all times through the STOP fuse to TERMINAL 2 of the stop light SW.
When the ignition SW is turned on, current flows from the GAUGE fuse to TERMINAL 8 of the light failure sensor, and also flows through the rear lights warning light to TERMINAL 4 of the light failure sensor.

Stop Light Disconnection Warning

When the ignition SW is turned on and the brake pedal is pressed (Stop light SW on), if the stop light circuit is open, the current flowing from TERMINAL 7 of the light failure sensor to TERMINALS 1, 2 changes, so the light failure sensor detects the disconnection and the warning circuit of the light failure sensor is activated.
As a result, the current flows from TERMINAL 4 of the light failure sensor to TERMINAL 11 to GROUND and turns the rear lights warning light on. By pressing the brake pedal, the current flowing to TERMINAL 8 of the light failure sensor keeps the warning circuit on and holds the warning light on until the ignition SW is turned off.

[O] **Service Hints**

S6 Stop Light SW

2–1 : Closed with the brake pedal depressed

L4 Light Failure Sensor

1, 2, 7–Ground : Approx. 12 volts with the stop light SW on
4, 8–Ground : Approx. 12 volts with the ignition SW at ON position
11–Ground : Always continuity

[P] **: Parts Location**

Code	See Page	Code	See Page	Code	See Page
C7	34	L4	36	R7	37
H17	36	R6	37	S6	35

[Q] **: Relay Blocks**

Code	See Page	Relay Blocks (Relay Block Location)
1	18	R/B No.1 (Instrument Panel Brace LH)

[R] **: Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	20	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
3C	22	Instrument Panel Wire and J/B No.3 (Instrument Panel Brace LH)

[S] **: Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	42	Floor Wire and Instrument Panel Wire (Left Kick Panel)
BV1	50	Luggage Room Wire and Floor Wire (Luggage Room Left)

[T] **: Ground Points**

Code	See Page	Ground Points Location
BL	50	Under the Left Center Pillar
BO	50	Back Panel Center

[U] **: Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I5	44	Cowl Wire	B18	50	Luggage Room Wire

http://vnx.su

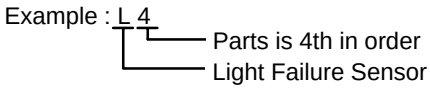
[N] : Explains the system outline.

[O] : Indicates values or explains the function for reference during troubleshooting.

[P] : Indicates the reference page showing the position on the vehicle of the parts in the system circuit.

Example : Part ”L4” (Light Failure Sensor) is on page 36 of the manual.

∗ The letter in the code is from the first letter of the part, and the number indicates its order in parts starting with that letter.



[Q] : Indicates the reference page showing the position on the vehicle of Relay Block Connectors in the system circuit.

Example : Connector ”1” is described on page 18 of this manual and is installed on the left side of the instrument panel.

[R] : Indicates the reference page showing the position on the vehicle of J/B and Wire Harness in the system circuit.

Example : Connector ”3C” connects the Instrument Panel Wire and J/B No.3. It is described on page 22 of this manual, and is installed on the instrument panel left side.

[S] : Indicates the reference page describing the wiring harness and wiring harness connector (the female wiring harness is shown first, followed by the male wiring harness).

Example : Connector ”IE1” connects the floor wire (female) and Instrument panel wire (male). It is described on page 42 of this manual, and is installed on the left side kick panel.

[T] : Indicates the reference page showing the position of the ground points on the vehicle.

Example : Ground point ”BO” is described on page 50 of this manual and is installed on the back panel center.

[U] : Indicates the reference page showing the position of the splice points on the vehicle.

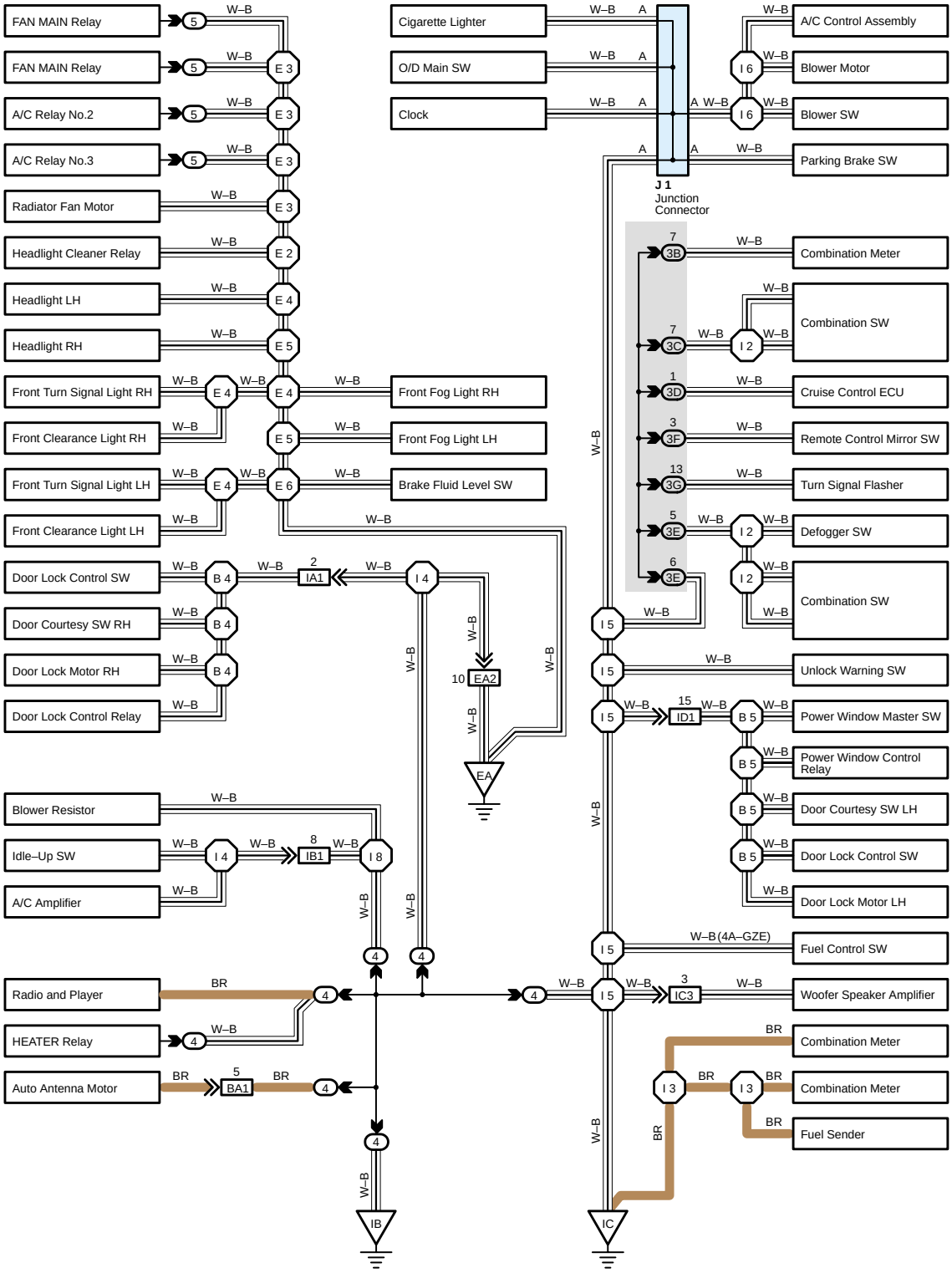
Example : Splice point ”I5” is on the Cowl Wire Harness and is described on page 44 of this manual.

http://vnx.su

B HOW TO USE THIS MANUAL

The ground points circuit diagram shows the connections from all major parts to the respective ground points. When troubleshooting a faulty ground point, checking the system circuits which use a common ground may help you identify the problem ground quickly. The relationship between ground points (EA, IB and IC shown below) can also be checked this way.

I GROUND POINT



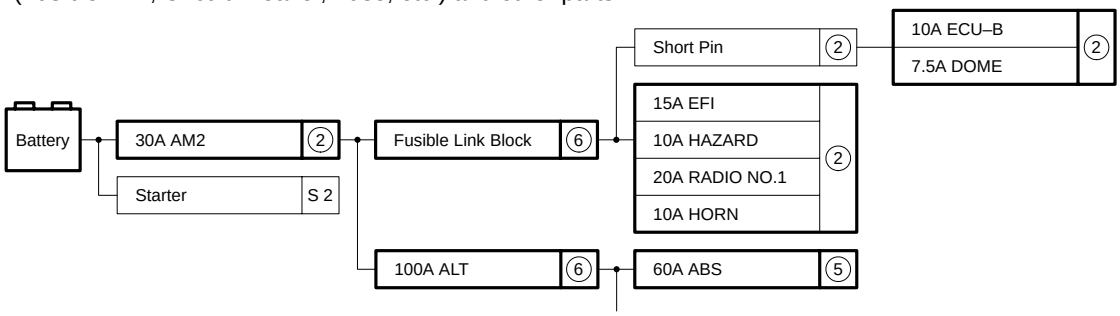
* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

http://vnx.su

The ”Current Flow Chart” section, describes which parts each power source (fuses, fusible links, and circuit breakers) transmits current to. In the Power Source circuit diagram, the conditions when battery power is supplied to each system are explained. Since all System Circuit diagrams start from the power source, the power source system must be fully understood.

J POWER SOURCE (Current Flow Chart)

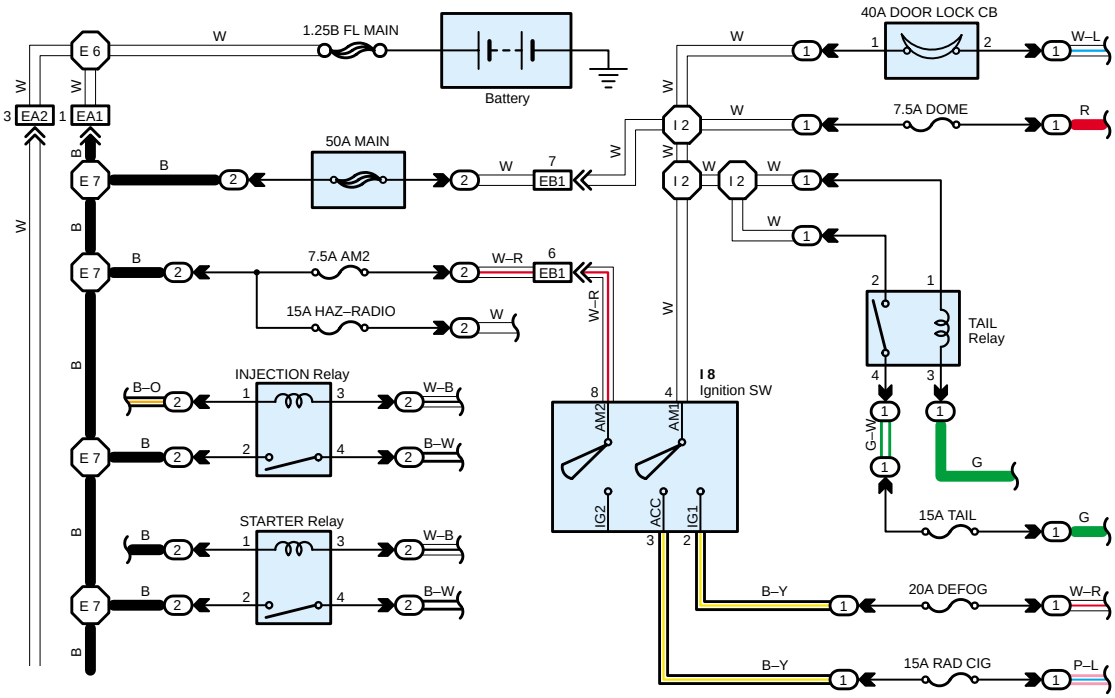
The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.



Engine Room R/B (See Page 20)

Fuse		System	Page
20A	STOP	ABS ABS and Traction Control Cruise Control Electronically Controlled Transmission Multiplex Communication System	194 187 180 166 210
10A	DOME	Cigarette Lighter Combination Meter Headlight Interior Light Key Reminder and Seat Belt Warning Light Auto Turn Off	214 230 112 122

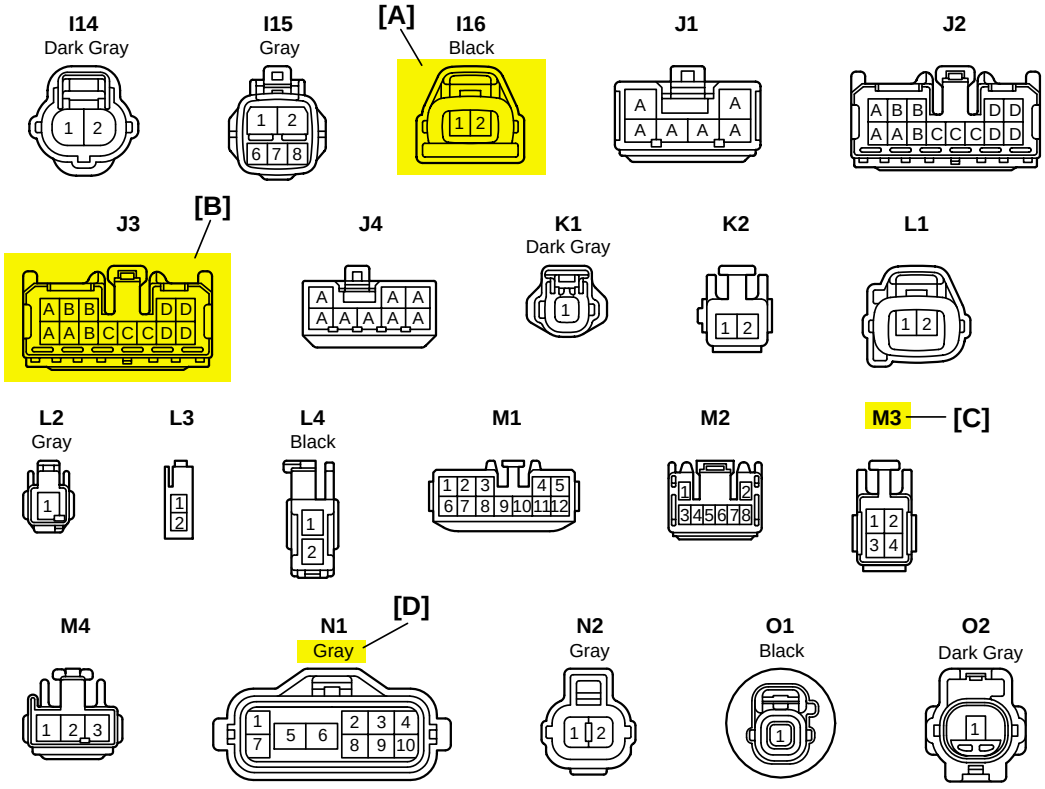
Power Source



* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

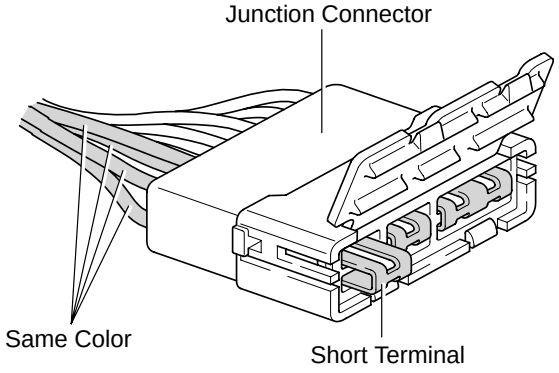
http://vnx.su

K CONNECTOR LIST



[A] : Indicates connector to be connected to a part. (The numeral indicates the pin No.)

[B] : Junction Connector
Indicates a connector which is connected to a short terminal.



Junction connector in this manual include a short terminal which is connected to a number of wire harnesses. Always perform inspection with the short terminal installed. (When installing the wire harnesses, the harnesses can be connected to any position within the short terminal grouping. Accordingly, in other vehicles, the same position in the short terminal may be connected to a wire harness from a different part.)
Wire harness sharing the same short terminal grouping have the same color.

[C] : Parts Code
The first letter of the code is taken from the first letter of part, and the numbers indicates its order in parts which start with the same letter.

[D] : Connector Color
Connectors not indicated are milky white in color.

http://vnx.su

L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
A 1	A/C Ambient Temp. Sensor	90980–11070
A 2	A/C Condenser Fan Motor	90980–11237
A 3	A/C Condenser Fan Relay	90980–10940
A 4	A/C Condenser Fan Resistor	90980–10928
A 5	A/C Magnetic Clutch	90980–11271
A 6	A/T Oil Temp. Sensor	90980–11413
[A]	[B]	[C]
A 8	ABS Actuator	90980–11009
A 9	ABS Speed Sensor Front LH	90980–10941
A10	ABS Speed Sensor Front RH	90980–11002
A11	Airbag Sensor Front LH	90980–11856
A12	Airbag Sensor Front RH	
A13		90980–11194
		90980–11

Code	Part Name	Part Number
D 4	Diode (Courtesy)	90980–11608
D 5	Diode (Interior Light)	90980–10962
D 6	Diode (Moon Roof)	90980–11608
D 7	Door Lock Control Relay	90980–10848
D 8	Door Lock Control SW LH	90980–11148
D 9	Door Lock Control SW RH	
D10	Door Courtesy SW LH	90980–11097
D11	Door Courtesy SW RH	
D12	Door Courtesy SW Front LH	90980–11156
D13	Door Courtesy SW Front RH	
D14	Door Courtesy SW Rear LH	
D15	Door Courtesy SW Rear RH	
D16	and Unlock SW LH	90980–11170
	RH	

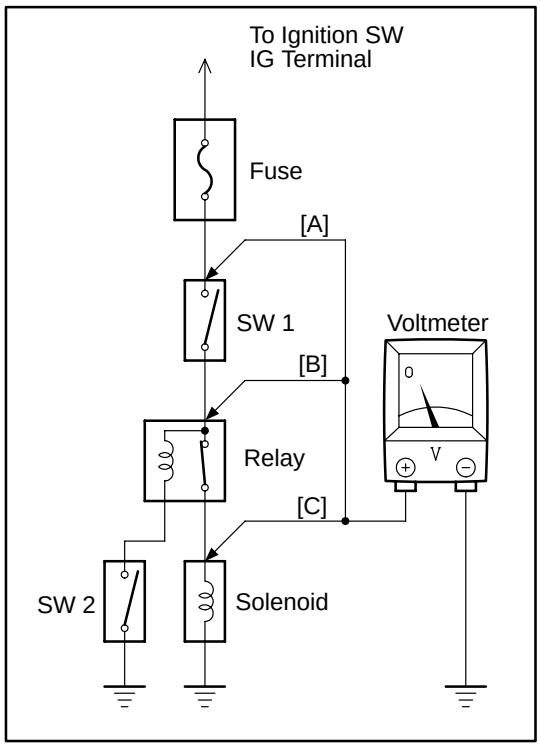
[A] : Part Code

[B] : Part Name

[C] : Part Number
Toyota Part Number are indicated.

Not all of the above part numbers of the connector are established for the supply.

http://vnx.su

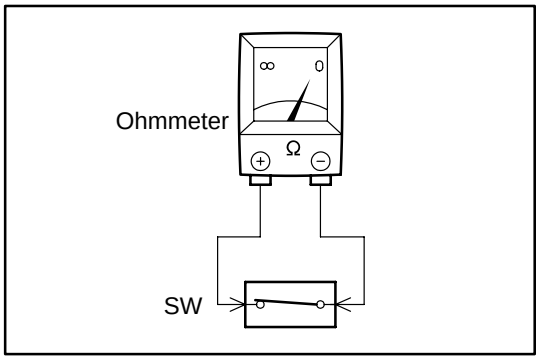


VOLTAGE CHECK

(a) Establish conditions in which voltage is present at the check point.

Example:
[A] – Ignition SW on
[B] – Ignition SW and SW 1 on
[C] – Ignition SW, SW 1 and Relay on (SW 2 off)

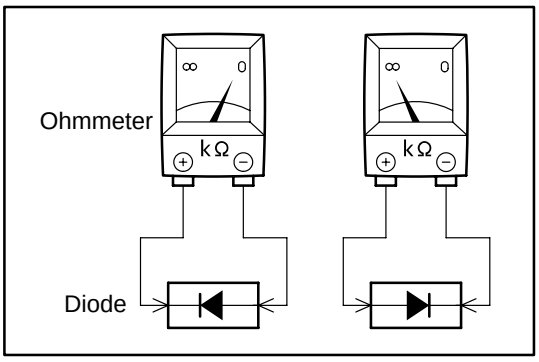
(b) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal, and the positive lead to the connector or component terminal.
This check can be done with a test light instead of a voltmeter.



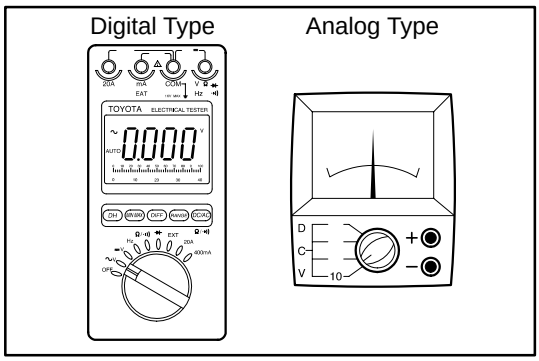
CONTINUITY AND RESISTANCE CHECK

(a) Disconnect the battery terminal or wire so there is no voltage between the check points.

(b) Contact the two leads of an ohmmeter to each of the check points.

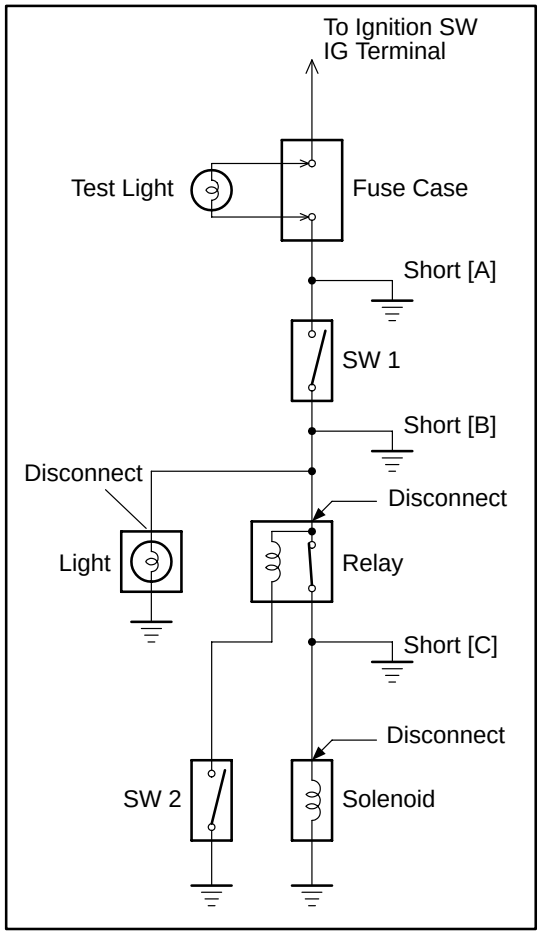


If the circuit has diodes, reverse the two leads and check again.
When contacting the negative lead to the diode positive side and the positive lead to the negative side, there should be continuity.
When contacting the two leads in reverse, there should be no continuity.



(c) Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting of the electrical circuit.

http://vnx.su



FINDING A SHORT CIRCUIT

(a) Remove the blown fuse and disconnect all loads of the fuse.

(b) Connect a test light in place of the fuse.

(c) Establish conditions in which the test light comes on.

Example:
[A] – Ignition SW on
[B] – Ignition SW and SW 1 on
[C] – Ignition SW, SW 1 and Relay on (Connect the Relay) and SW 2 off (or Disconnect SW 2)

(d) Disconnect and reconnect the connectors while watching the test light.
The short lies between the connector where the test light stays lit and the connector where the light goes out.

(e) Find the exact location of the short by lightly shaking the problem wire along the body.

CAUTION:

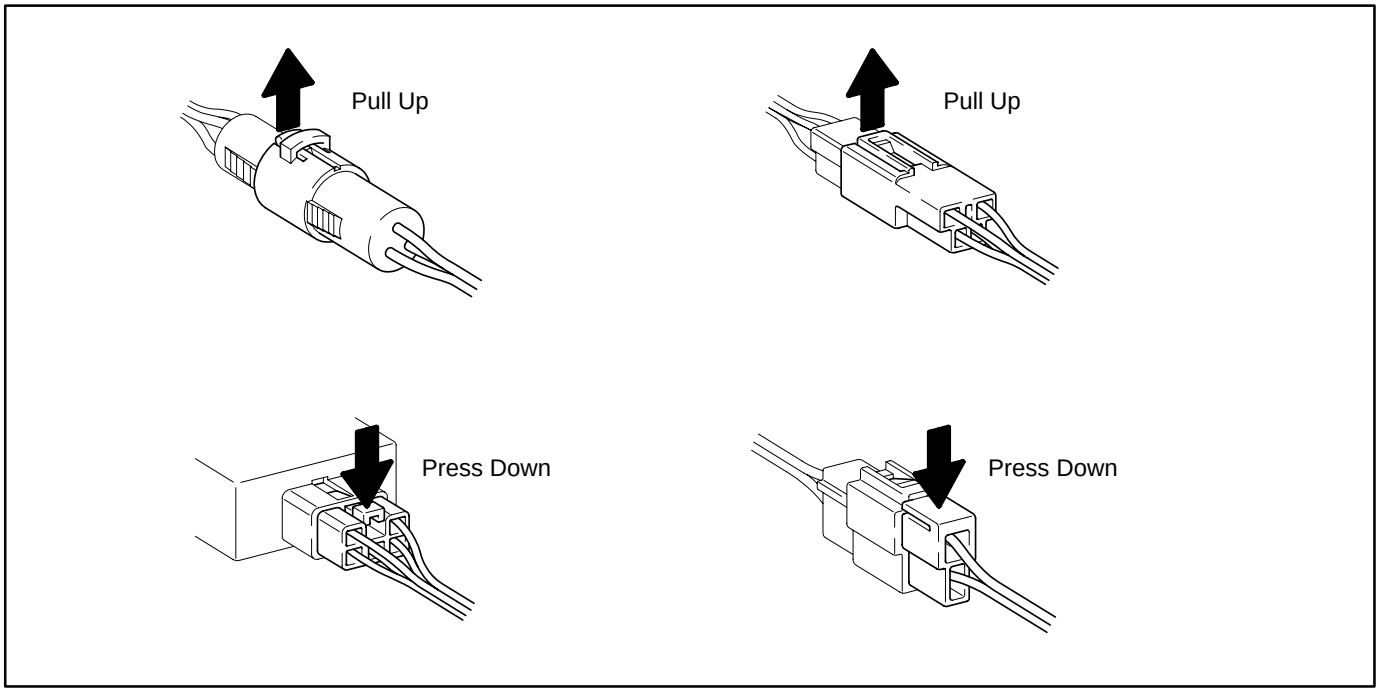
(a) Do not open the cover or the case of the ECU unless absolutely necessary. (If the IC terminals are touched, the IC may be destroyed by static electricity.)

(b) When replacing the internal mechanism (ECU part) of the digital meter, be careful that no part of your body or clothing comes in contact with the terminals of leads from the IC, etc. of the replacement part (spare part).

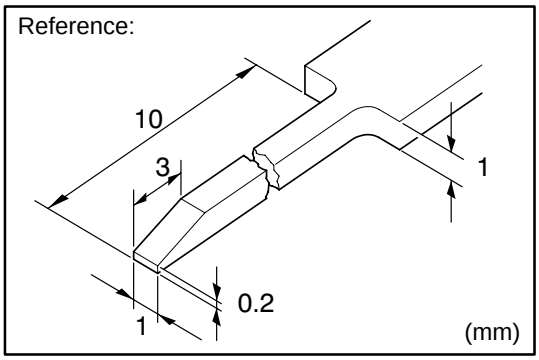
DISCONNECTION OF MALE AND FEMALE CONNECTORS

To pull apart the connectors, pull on the connector itself, not the wire harness.

HINT : Check to see what kind of connector you are disconnecting before pulling apart.



http://vnx.su

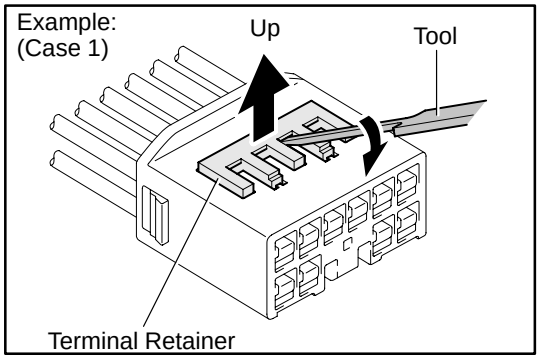


HOW TO REPLACE TERMINAL (with terminal retainer or secondary locking device)

1. PREPARE THE SPECIAL TOOL

   HINT : To remove the terminal from the connector, please construct and use the special tool or like object shown on the left.

2. DISCONNECT CONNECTOR

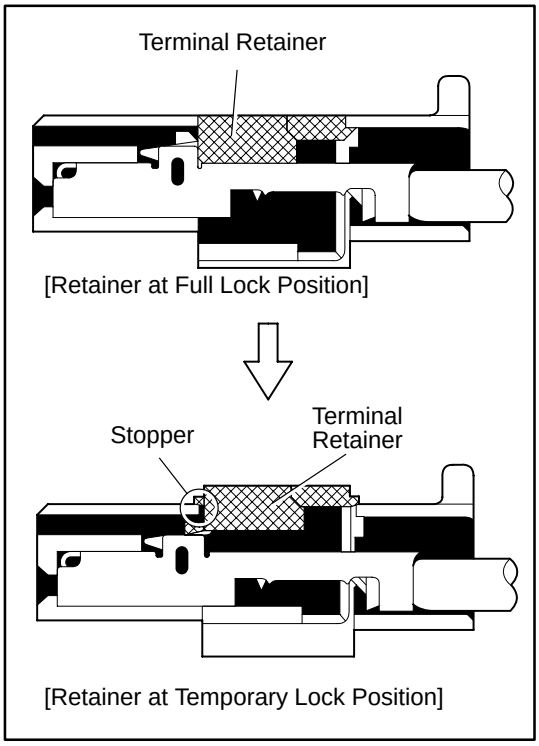


3. DISENGAGE THE SECONDARY LOCKING DEVICE OR TERMINAL RETAINER.

   (a) Locking device must be disengaged before the terminal locking clip can be released and the terminal removed from the connector.

   (b) Use a special tool or the terminal pick to unlock the secondary locking device or terminal retainer.

   NOTICE:
   Do not remove the terminal retainer from connector body.

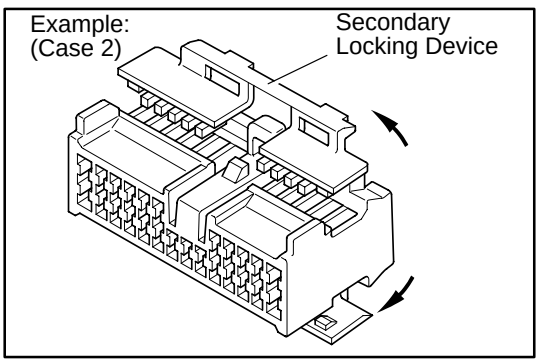


[A] For Non–Waterproof Type Connector

HINT : The needle insertion position varies according to the connector's shape (number of terminals etc.), so check the position before inserting it.

"Case 1"

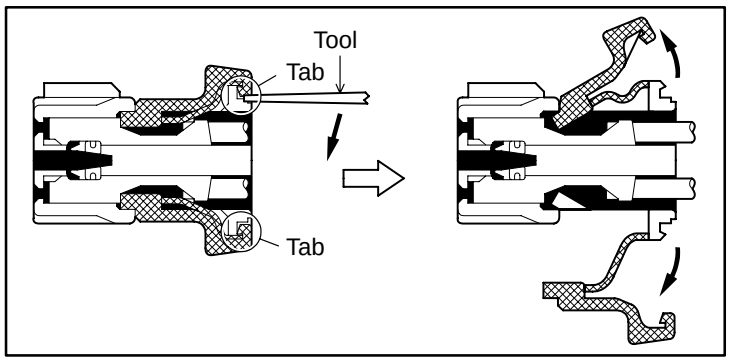
Raise the terminal retainer up to the temporary lock position.

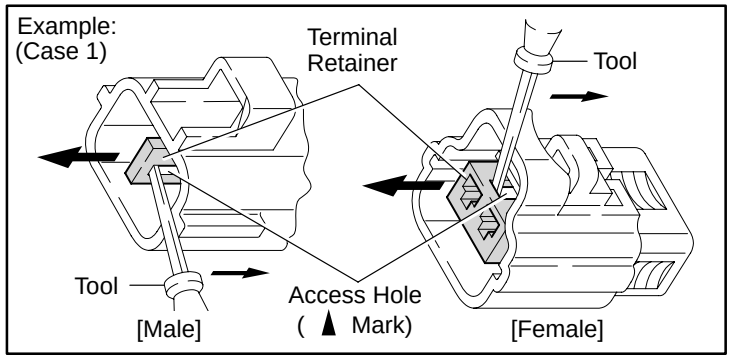


"Case 2"

Open the secondary locking device.

http://vnx.su



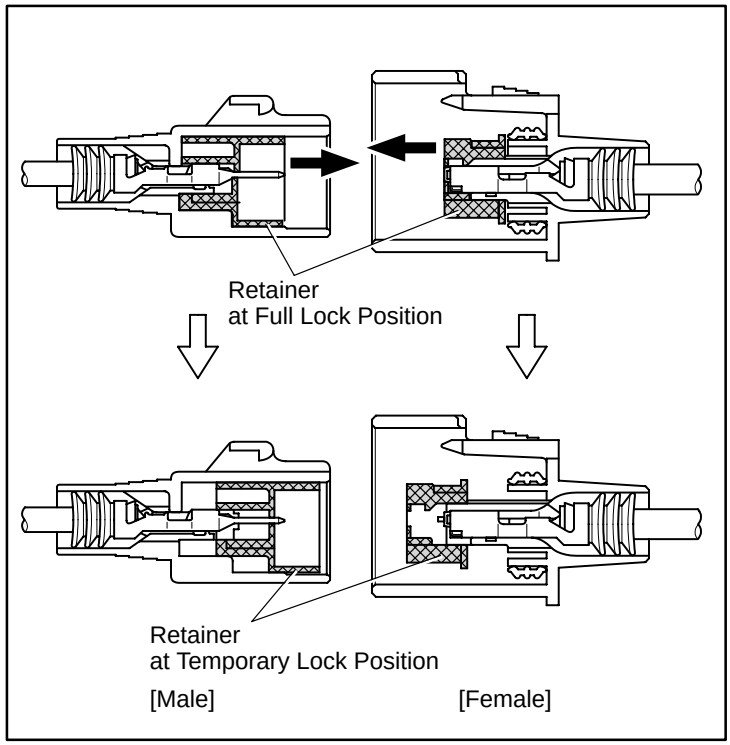


[B] For Waterproof Type Connector

HINT : Terminal retainer color is different according to connector body.

Example:

Terminal Retainer	:	Connector Body
Black or White	:	Gray
Black or White	:	Dark Gray
Gray or White	:	Black

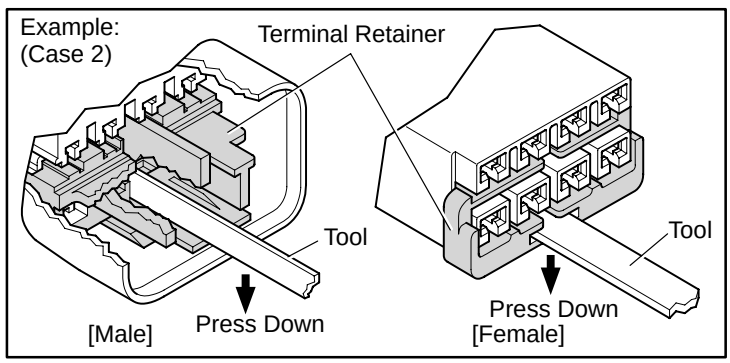


”Case 1”

Type where terminal retainer is pulled up to the temporary lock position (Pull Type).

Insert the special tool into the terminal retainer access hole (▲Mark) and pull the terminal retainer up to the temporary lock position.

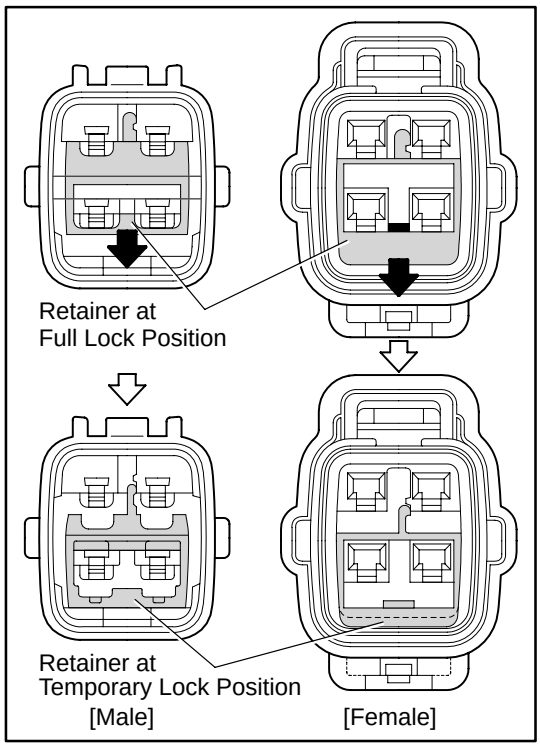
HINT : The needle insertion position varies according to the connector’s shape (Number of terminals etc.), so check the position before inserting it.



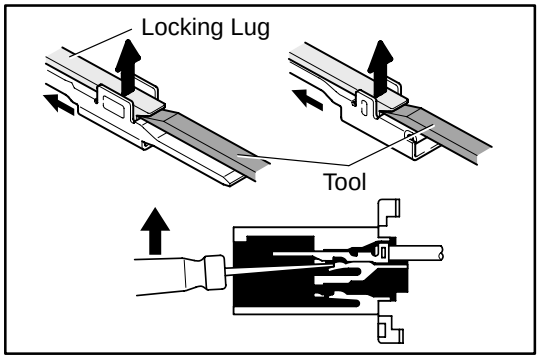
”Case 2”

Type which cannot be pulled as far as Power Lock insert the tool straight into the access hole of terminal retainer as shown.

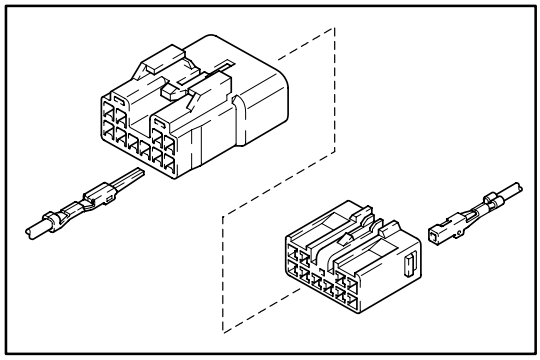
http://vnx.su



Push the terminal retainer down to the temporary lock position.



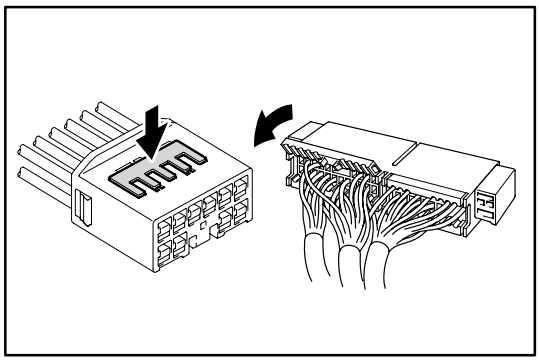
(c) Release the locking lug from terminal and pull the terminal out from rear.



4. INSTALL TERMINAL TO CONNECTOR

(a) Insert the terminal.

HINT:
1. Make sure the terminal is positioned correctly.
2. Insert the terminal until the locking lug locks firmly.
3. Insert the terminal with terminal retainer in the temporary lock position.



(b) Push the secondary locking device or terminal retainer in to the full lock position.

5. CONNECT CONNECTOR

http://vnx.su

ABBREVIATIONS

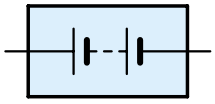
The following abbreviations are used in this manual.

A/C	=	Air Conditioner
A/T	=	Automatic Transaxle
ABS	=	Anti–Lock Brake System
CIS	=	Commonwealth of Independent States
DLC3	=	Data Link Connector 3
EC	=	Electrochromic
ECT	=	Electronic Control Transmission
ECU	=	Electronic Control Unit
EFI	=	Electronic Fuel Injection
EGR	=	Exhaust Gas Recirculation
EPS	=	Electric Power Steering
ESA	=	Electronic Spark Advance
EVAP	=	Evaporative Emission
HID	=	High Intensity Discharge
INT	=	Intermittent
ISC	=	Idle Speed Control
J/B	=	Junction Block
L/B	=	Liftback Type
LH	=	Left–Hand
LHD	=	Left–Hand Drive
M/T	=	Manual Transaxle
PTC	=	Positive Temperature Coefficient
R/B	=	Relay Block
RH	=	Right–Hand
RHD	=	Right–Hand Drive
S/D	=	Sedan Type
SRS	=	Supplemental Restraint System
SW	=	Switch
TEMP.	=	Temperature
TRC	=	Traction Control
VRV	=	Vacuum Regulating Valve
VSC	=	Vehicle Stability Control
VSV	=	Vacuum Switching Valve
VVT	=	Variable Valve Timing
VVT–i	=	Variable Valve Timing–intelligent
W/G	=	Wagon Type
w/	=	With
w/o	=	Without

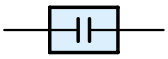
* The titles given inside the components are the names of the terminals (terminal codes) and are not treated as being abbreviations.

http://vnx.su

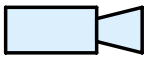
E GLOSSARY OF TERMS AND SYMBOLS



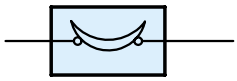
BATTERY
Stores chemical energy and converts it into electrical energy. Provides DC current for the auto's various electrical circuits.



CAPACITOR (Condenser)
A small holding unit for temporary storage of electrical voltage.



CIGARETTE LIGHTER
An electric resistance heating element.



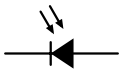
CIRCUIT BREAKER
Basically a reusable fuse, a circuit breaker will heat and open if too much current flows through it. Some units automatically reset when cool, others must be manually reset.



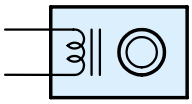
DIODE
A semiconductor which allows current flow in only one direction.



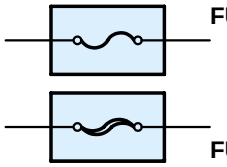
DIODE, ZENER
A diode which allows current flow in one direction but blocks reverse flow only up to a specific voltage. Above that potential, it passes the excess voltage. This acts as a simple voltage regulator.



PHOTODIODE
The photodiode is a semiconductor which controls the current flow according to the amount of light.



DISTRIBUTOR, IIA
Channels high–voltage current from the ignition coil to the individual spark plugs.



(for Medium Current Fuse)

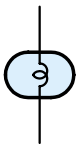
(for High Current Fuse or Fusible Link)

FUSE
A thin metal strip which burns through when too much current flows through it, thereby stopping current flow and protecting a circuit from damage.

FUSIBLE LINK
A heavy–gauge wire placed in high amperage circuits which burns through on overloads, thereby protecting the circuit. The numbers indicate the crosssection surface area of the wires.



GROUND
The point at which wiring attaches to the Body, thereby providing a return path for an electrical circuit; without a ground, current cannot flow.

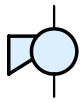


1. SINGLE FILAMENT

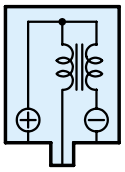


2. DOUBLE FILAMENT

HEADLIGHTS
Current flow causes a headlight filament to heat up and emit light. A headlight may have either a single (1) filament or a double (2) filament



HORN
An electric device which sounds a loud audible signal.



IGNITION COIL
Converts low–voltage DC current into high–voltage ignition current for firing the spark plugs.



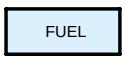
LIGHT
Current flow through a filament causes the filament to heat up and emit light.



LED (LIGHT EMITTING DIODE)
Upon current flow, these diodes emit light without producing the heat of a comparable light.



METER, ANALOG
Current flow activates a magnetic coil which causes a needle to move, thereby providing a relative display against a background calibration.



METER, DIGITAL
Current flow activates one or many LED's, LCD's, or fluorescent displays, which provide a relative or digital display.

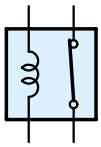


MOTOR
A power unit which converts electrical energy into mechanical energy, especially rotary motion.

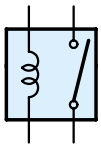
http://vnx.su

RELAY

Basically, an electrically operated switch which may be normally closed (1) or open (2). Current flow through a small coil creates a magnetic field which either opens or closes an attached switch.



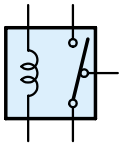
1. NORMALLY CLOSED



2. NORMALLY OPEN

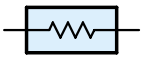
RELAY, DOUBLE THROW

A relay which passes current through one set of contacts or the other.



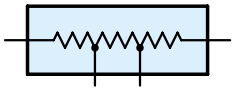
RESISTOR

An electrical component with a fixed resistance, placed in a circuit to reduce voltage to a specific value.



RESISTOR, TAPPED

A resistor which supplies two or more different non adjustable resistance values.



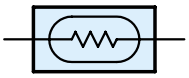
RESISTOR, VARIABLE or RHEOSTAT

A controllable resistor with a variable rate of resistance.
Also called a potentiometer or rheostat.



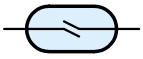
SENSOR (Thermistor)

A resistor which varies its resistance with temperature.



SENSOR, SPEED

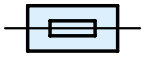
Uses magnetic impulses to open and close a switch to create a signal for activation of other components.



(Reed Switch Type)

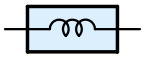
SHORT PIN

Used to provide an unbroken connection within a junction block.



SOLENOID

An electromagnetic coil which forms a magnetic field when current flows, to move a plunger, etc.



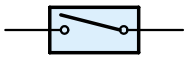
SPEAKER

An electromechanical device which creates sound waves from current flow.

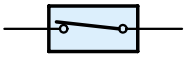


SWITCH, MANUAL

Opens and closes circuits, thereby stopping (1) or allowing (2) current flow.



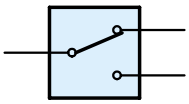
1. NORMALLY OPEN



2. NORMALLY CLOSED

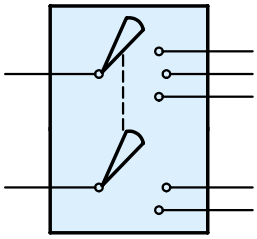
SWITCH, DOUBLE THROW

A switch which continuously passes current through one set of contacts or the other.



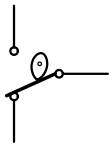
SWITCH, IGNITION

A key operated switch with several positions which allows various circuits, particularly the primary ignition circuit, to become operational.



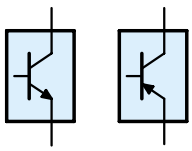
SWITCH, WIPER PARK

Automatically returns wipers to the stop position when the wiper switch is turned off.

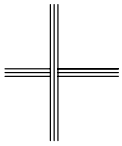


TRANSISTOR

A solidstate device typically used as an electronic relay; stops or passes current depending on the voltage applied at ”base”.

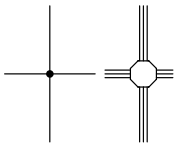


WIRES



(1) NOT CONNECTED

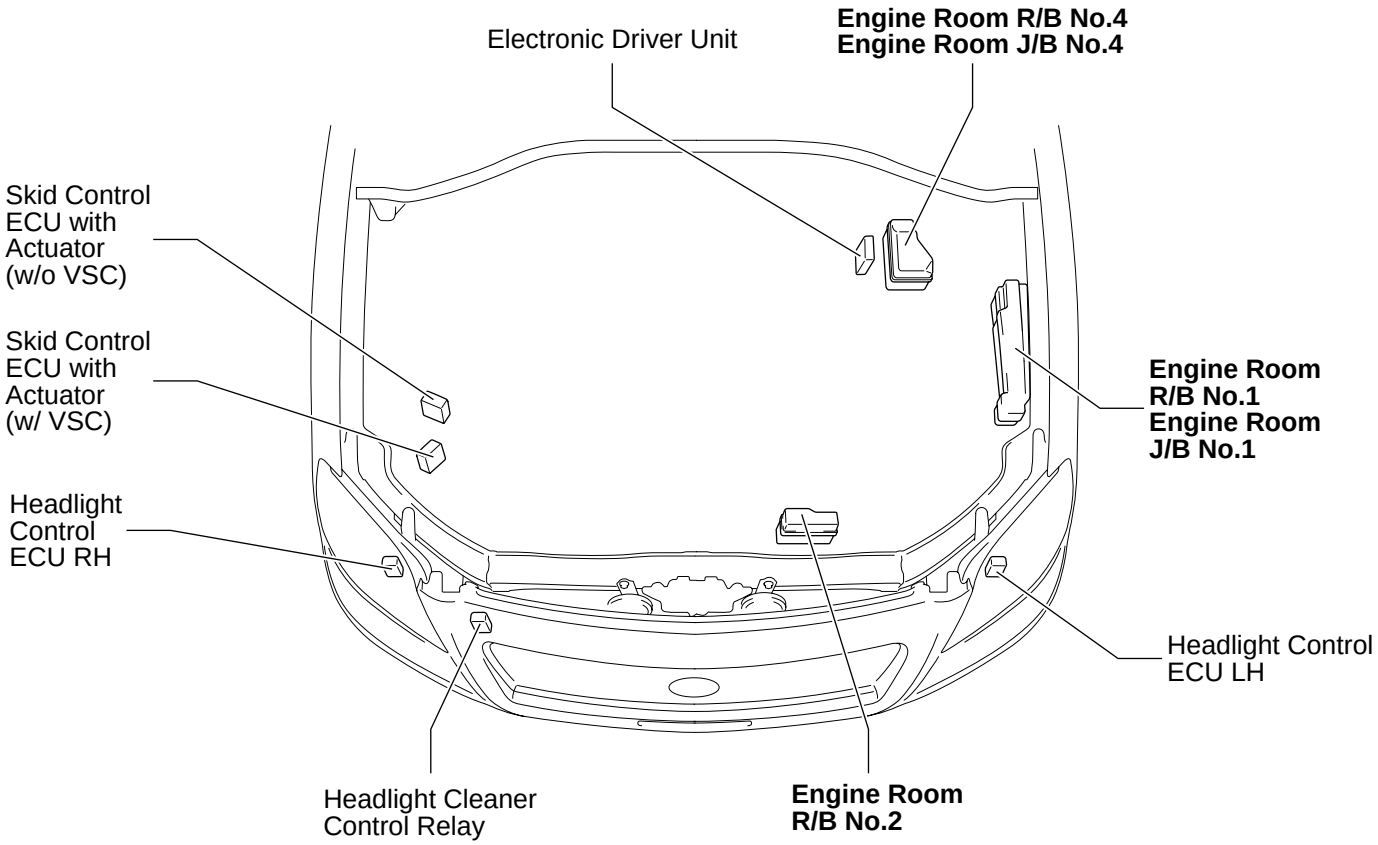
Wires are always drawn as straight lines on wiring diagrams.
Crossed wires (1) without a black dot at the junction are not joined;
crossed wires (2) with a black dot or octagonal (⬡) mark at the junction are spliced (joined) connections.



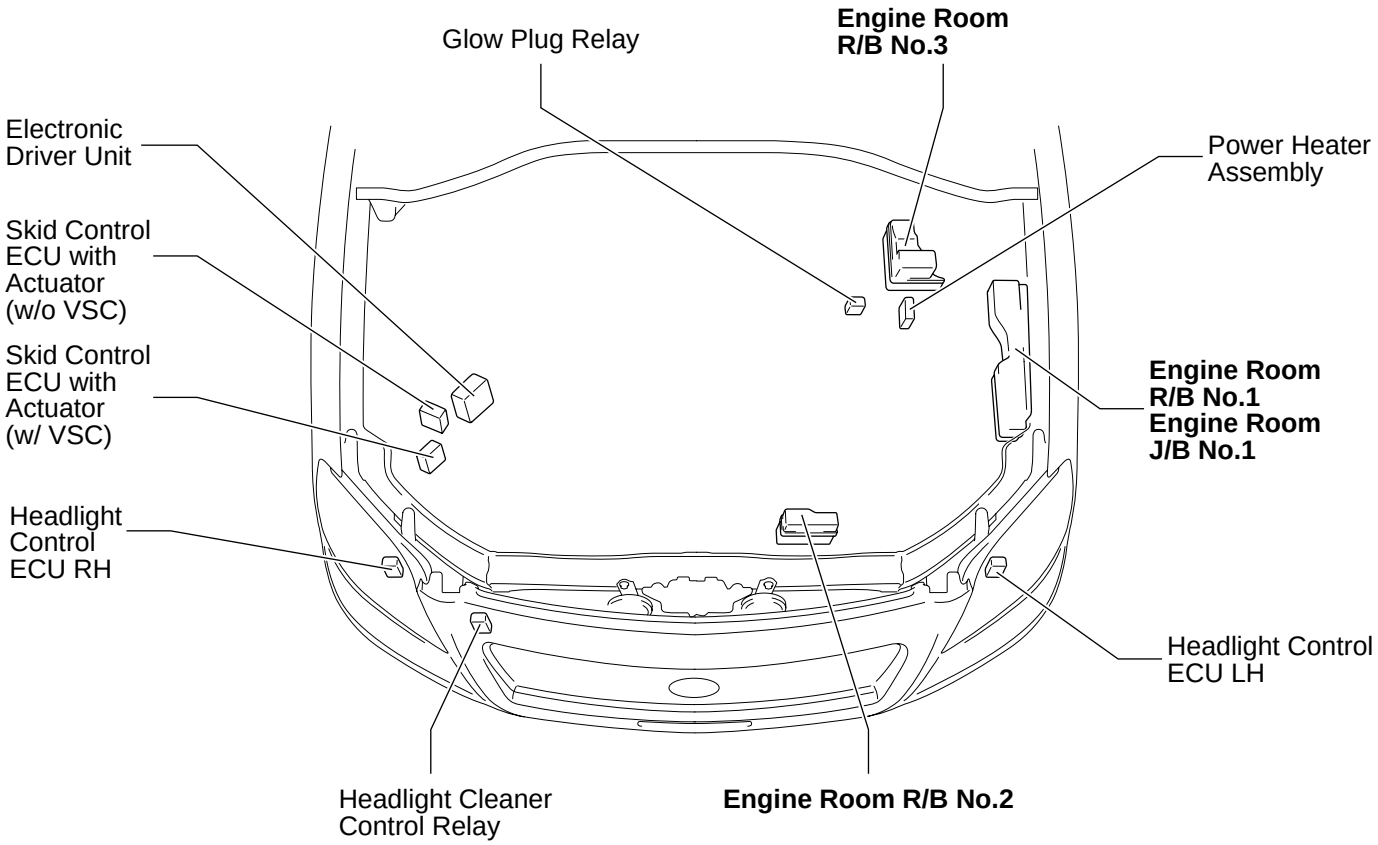
(2) SPLICED

http://vnx.su

[Engine Compartment]
(Gasoline)

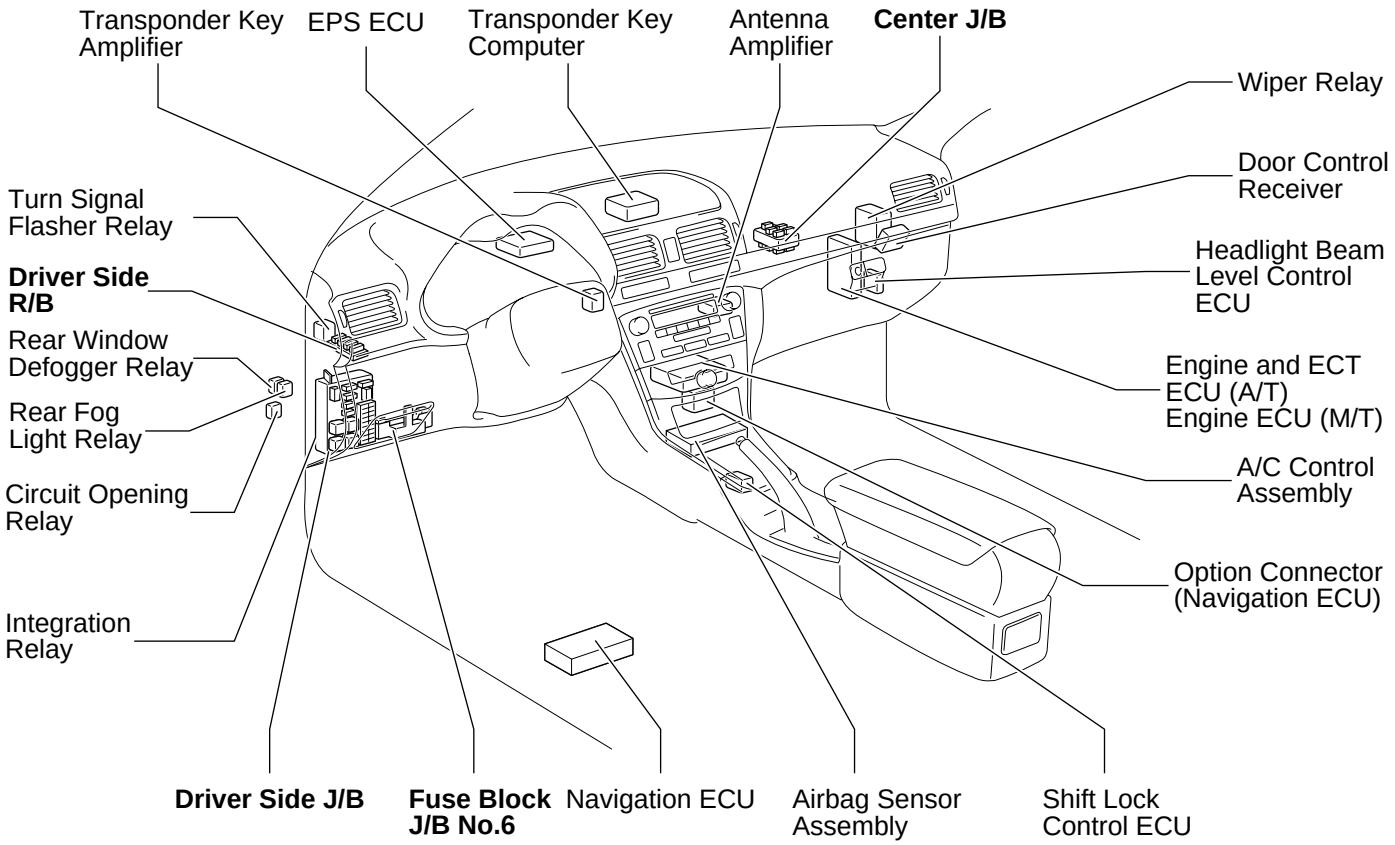


(1CD–FTV)

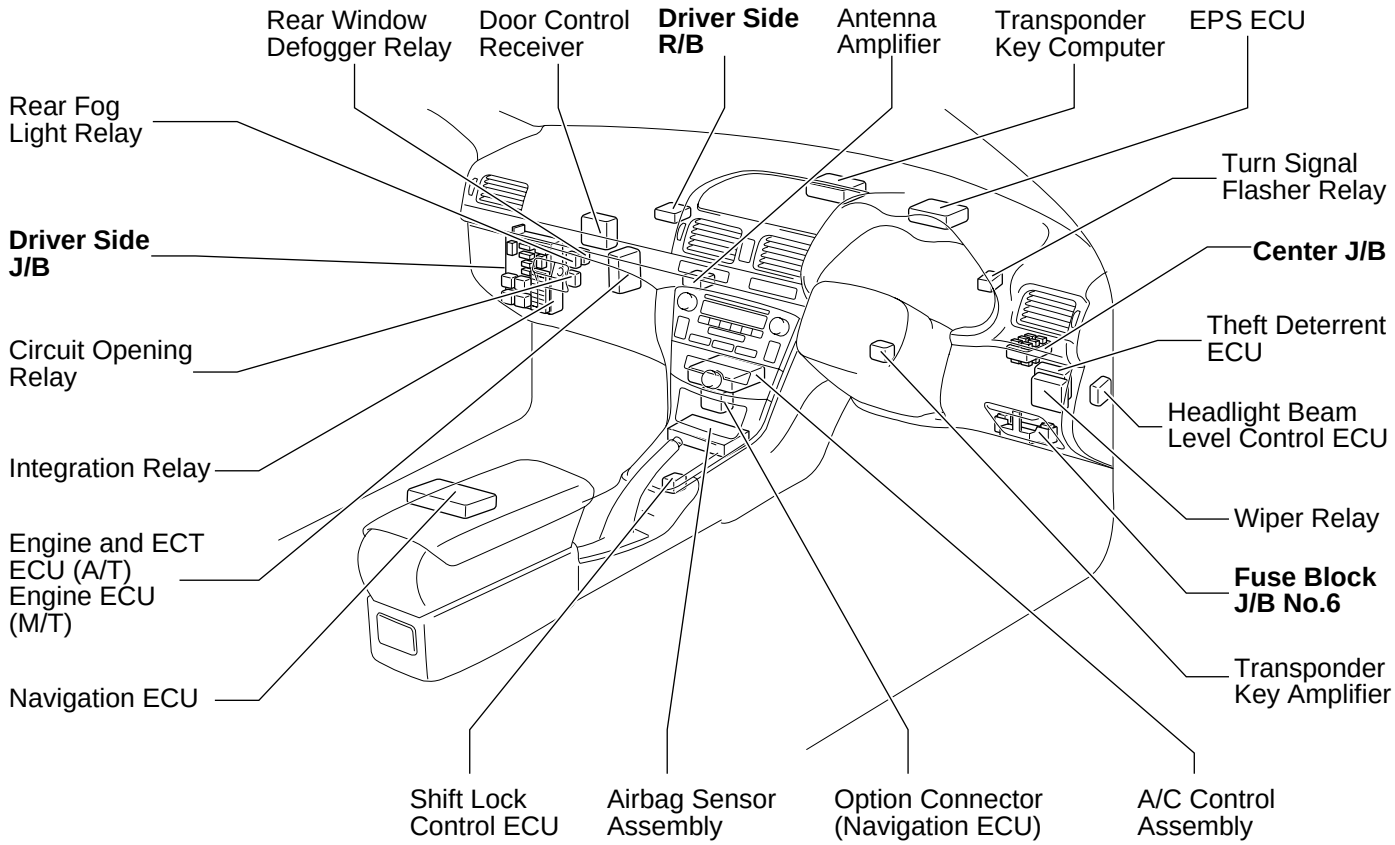


http://vnx.su

[Instrument Panel]
(LHD)



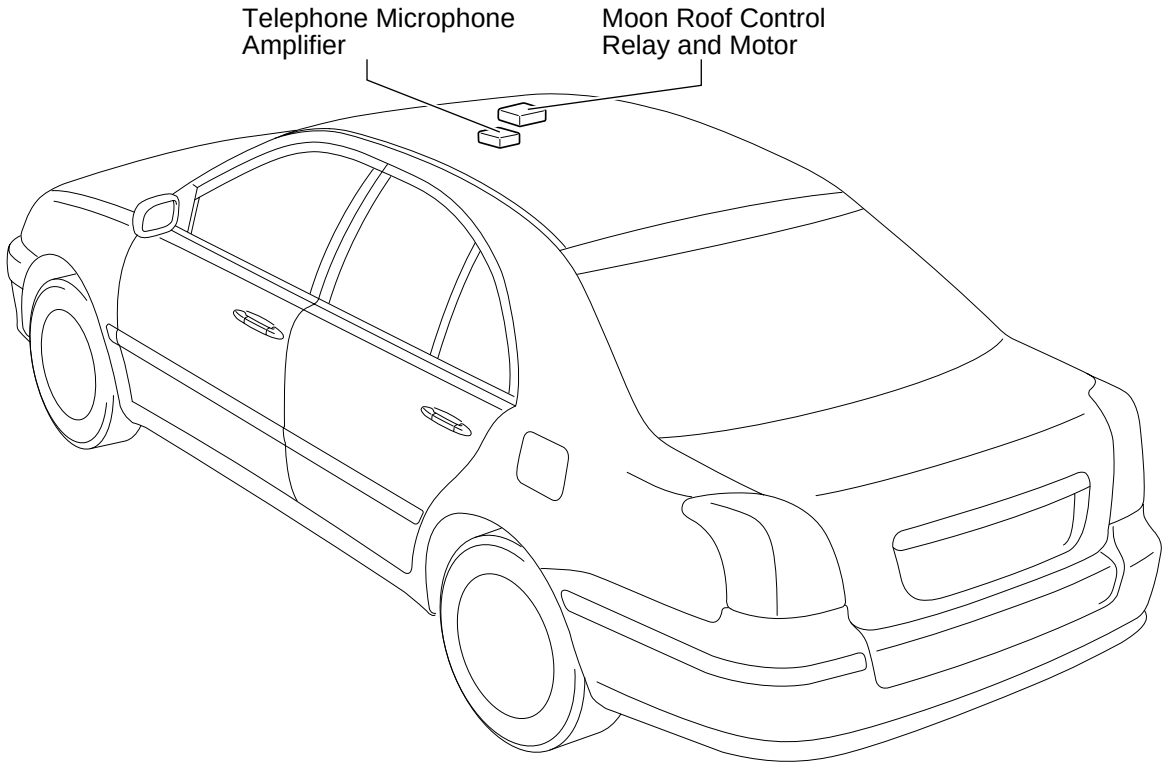
(RHD)



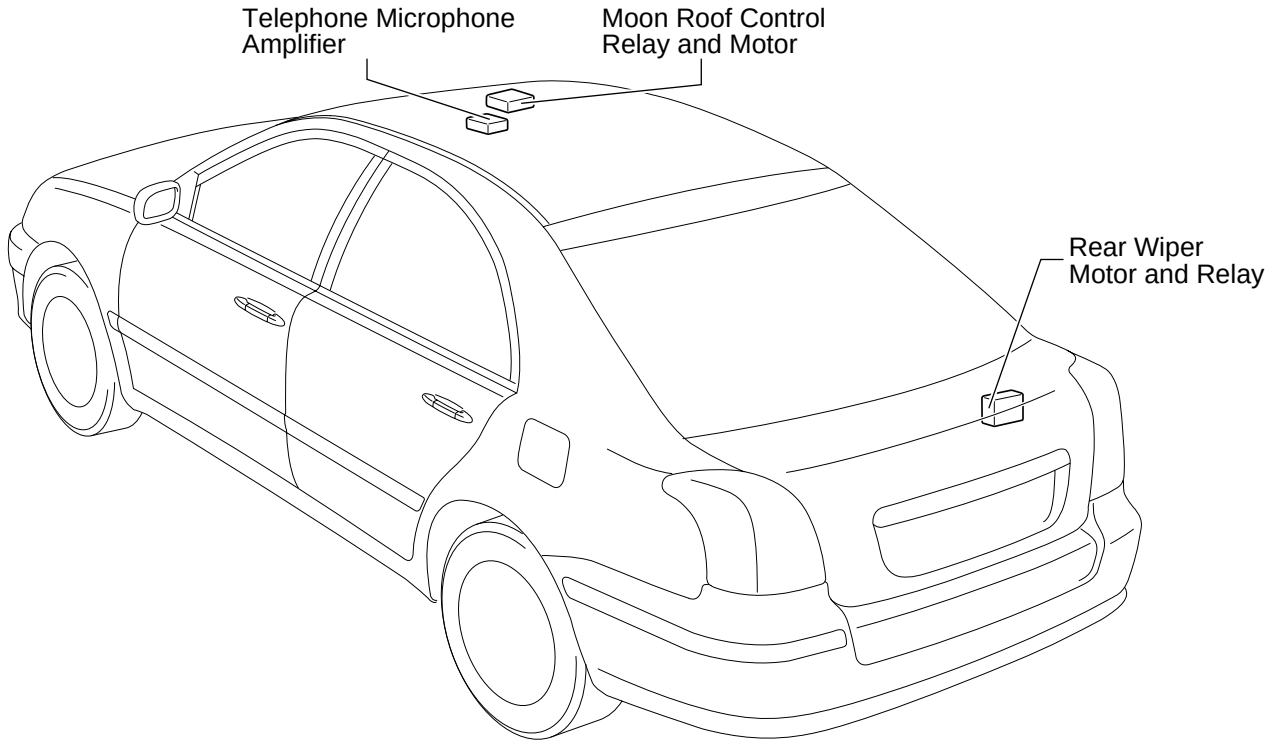
http://vnx.su

F RELAY LOCATIONS

[Body]
(S/D)

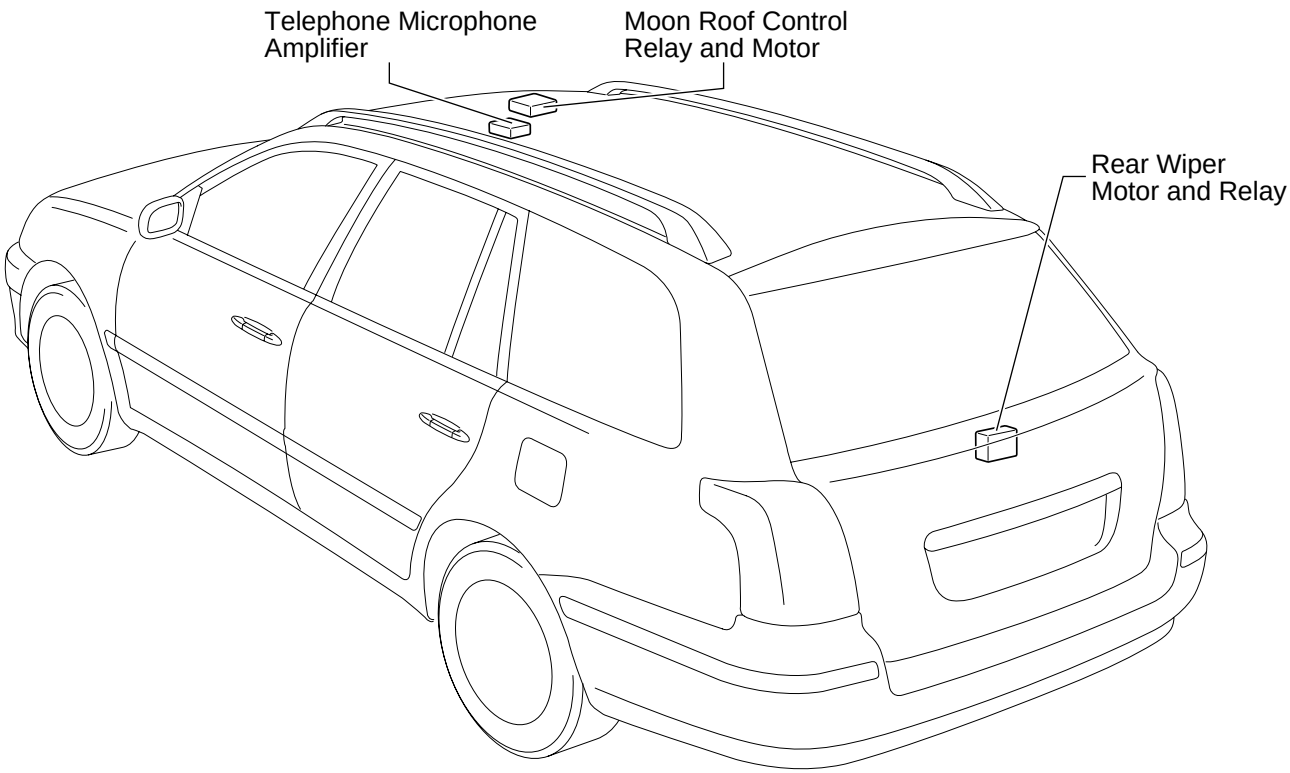


(L/B)



http://vnx.su

(W/G)

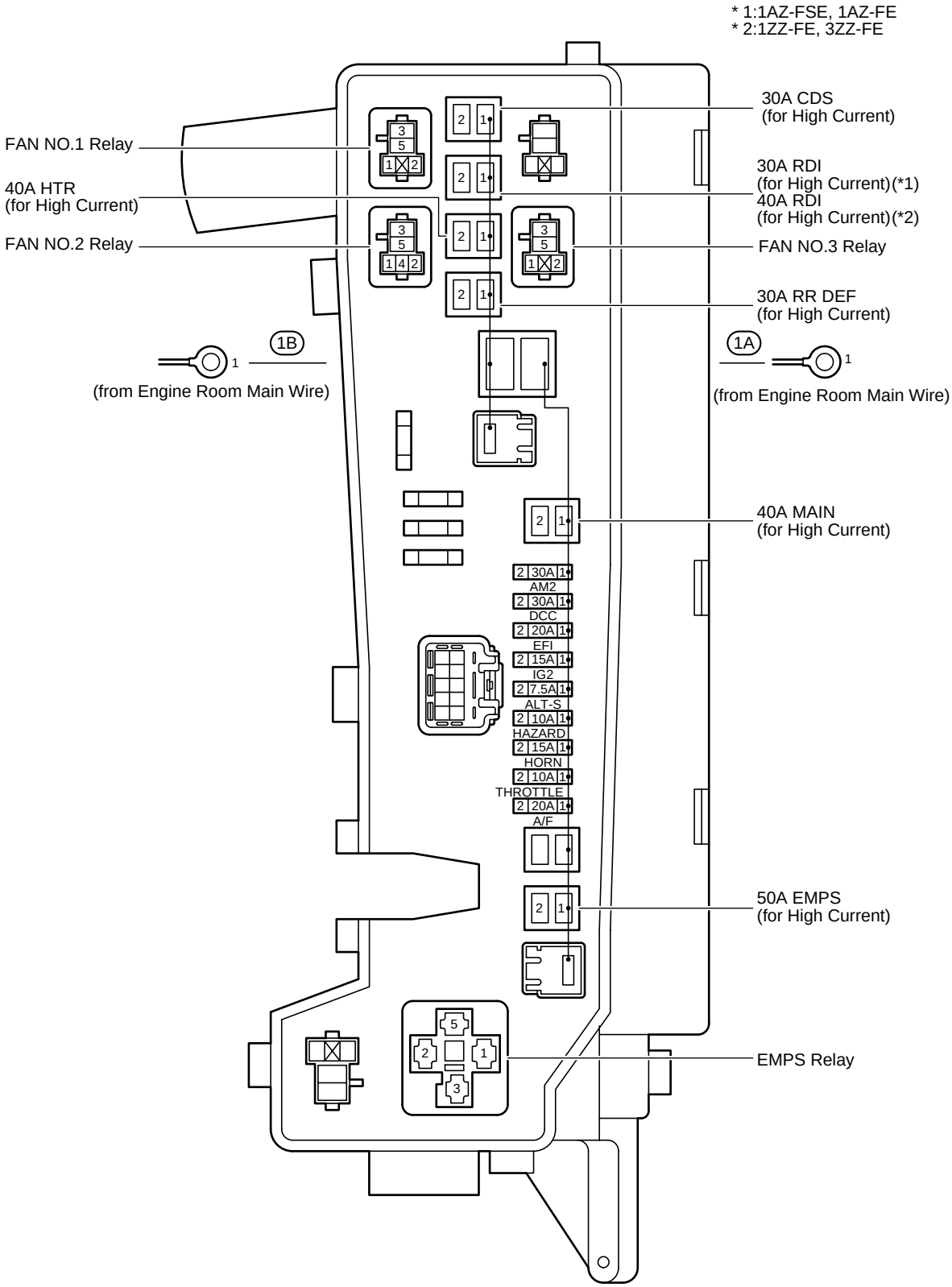


http://vnx.su

F RELAY LOCATIONS

① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 20)

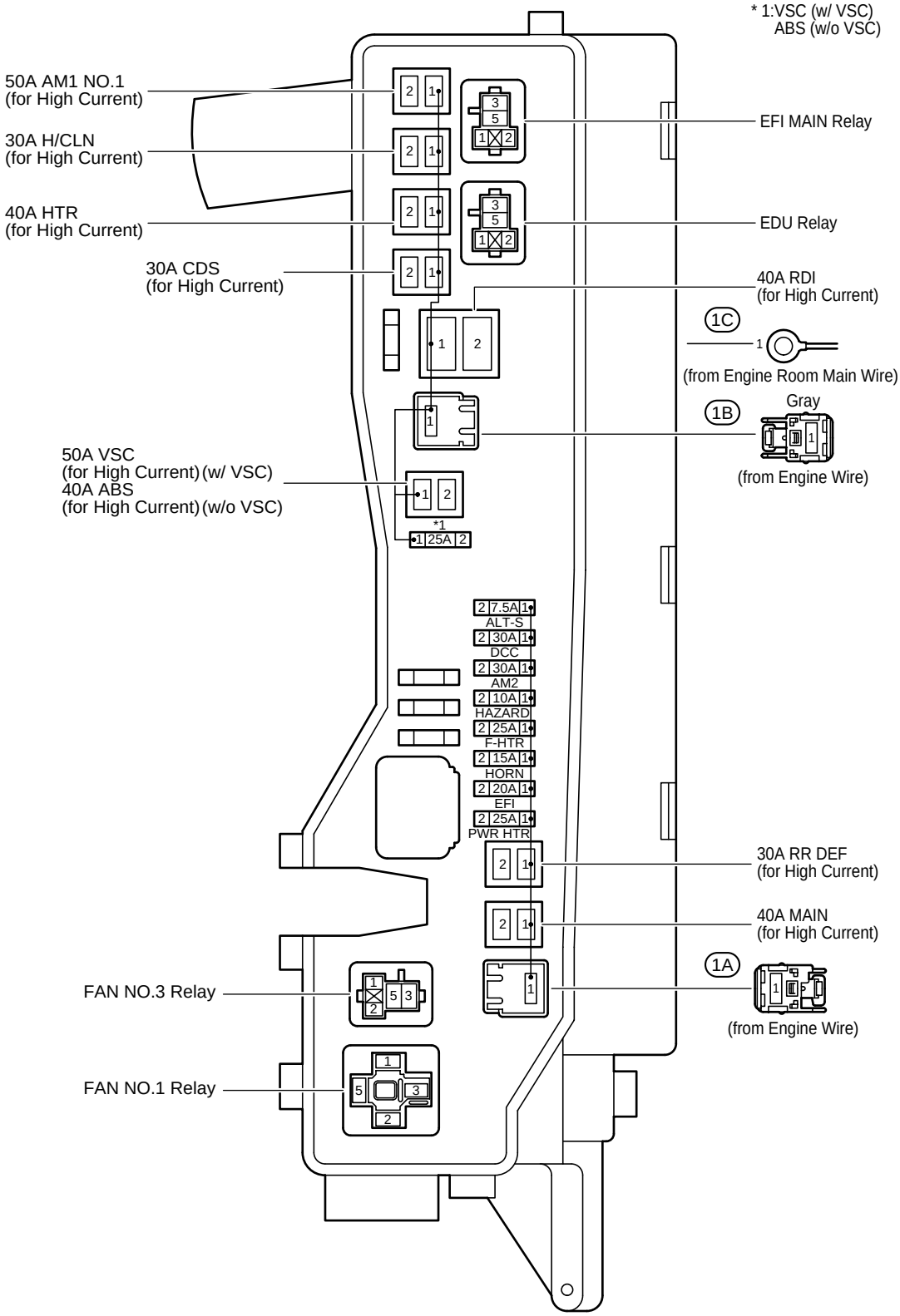
(Gasoline)



http://vnx.su

① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 20)

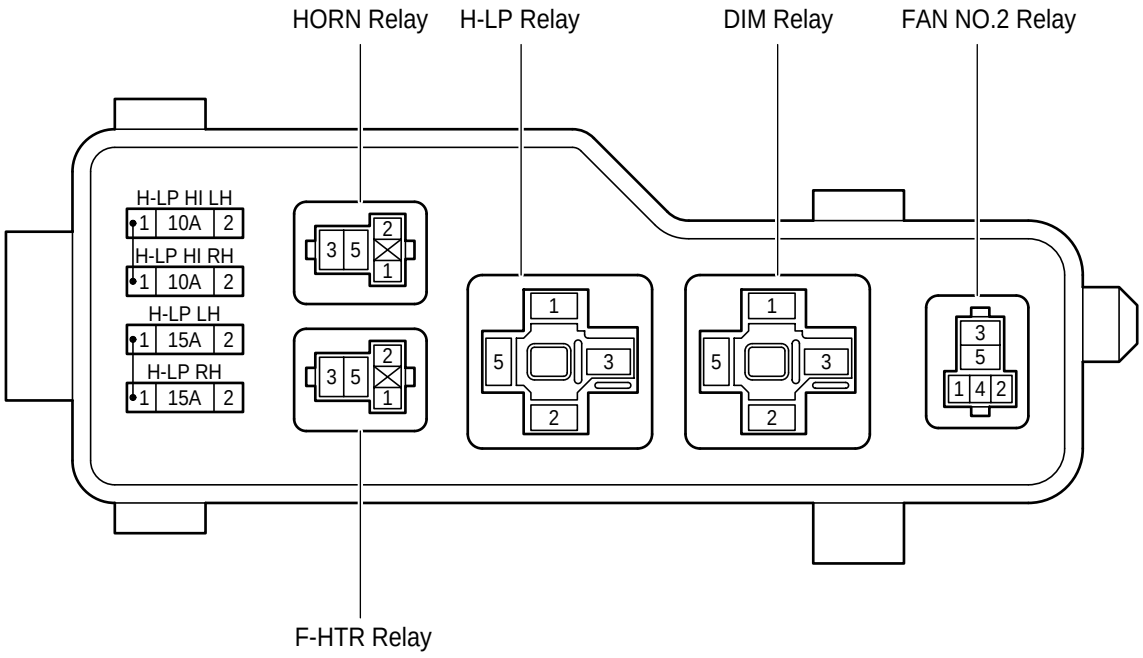
(1CD–FTV)



http://vnx.su

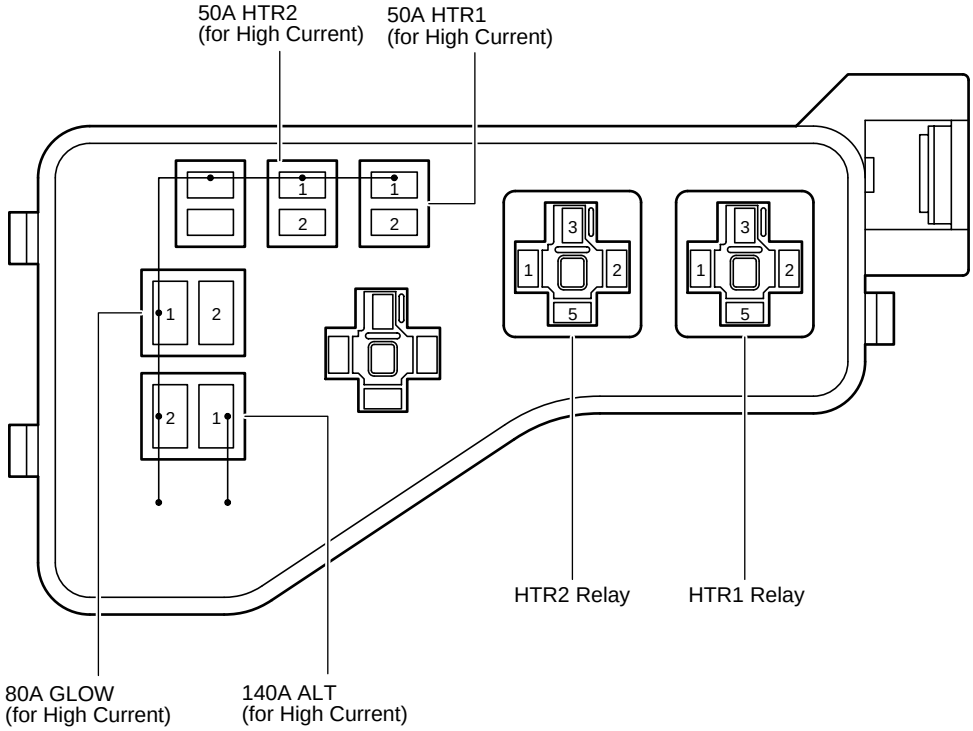
F RELAY LOCATIONS

② : Engine Room R/B No.2	Near the Radiator Fan (See Page 20)



③ : Engine Room R/B No.3	Left Side of the Suspension Tower (See Page 20)

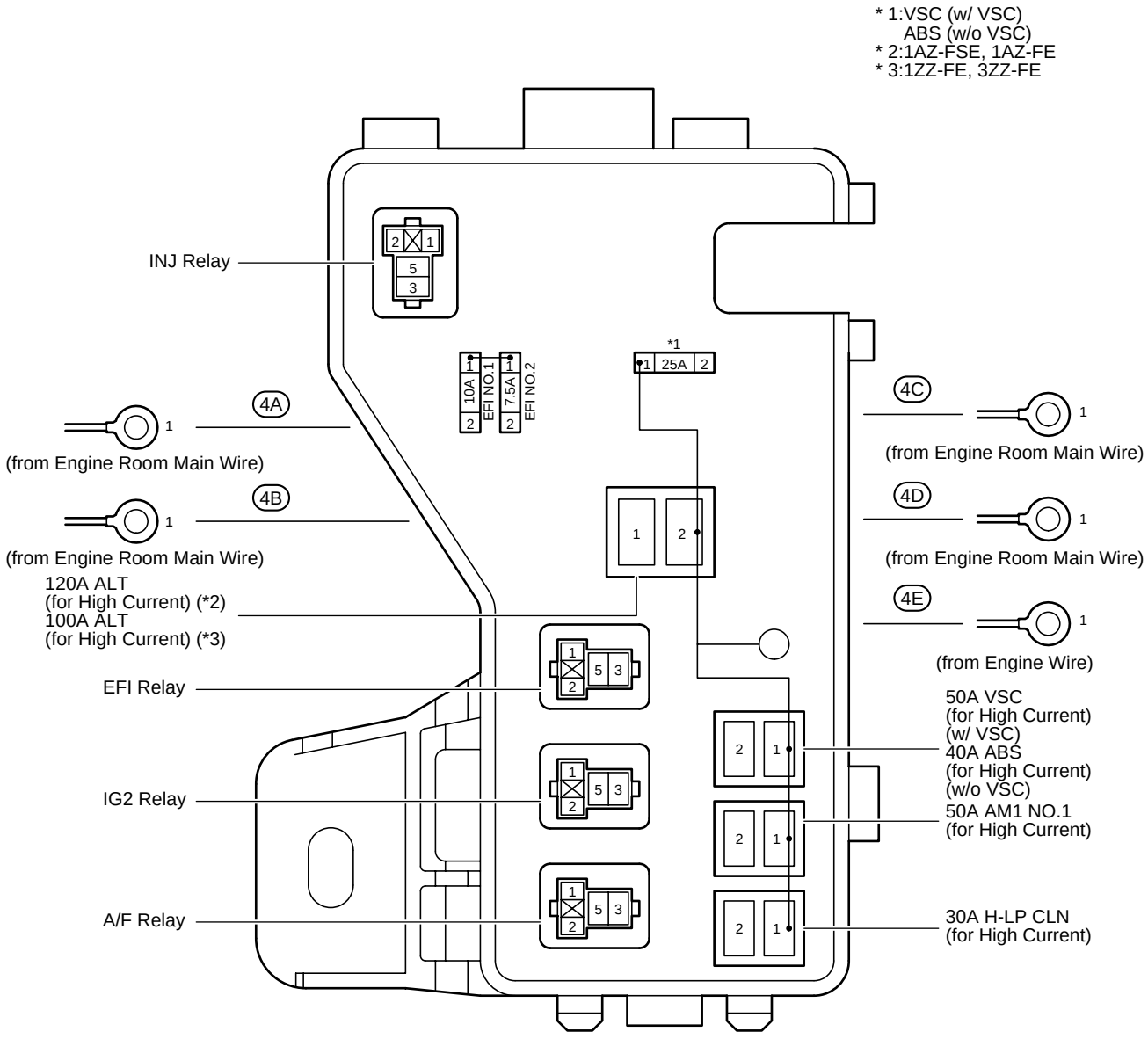
(1CD–FTV)



http://vnx.su

④ : Engine Room R/B No.4 ⬭ : Engine Room J/B No.4	Left Side of the Suspension Tower (See Page 20)

(Gasoline)

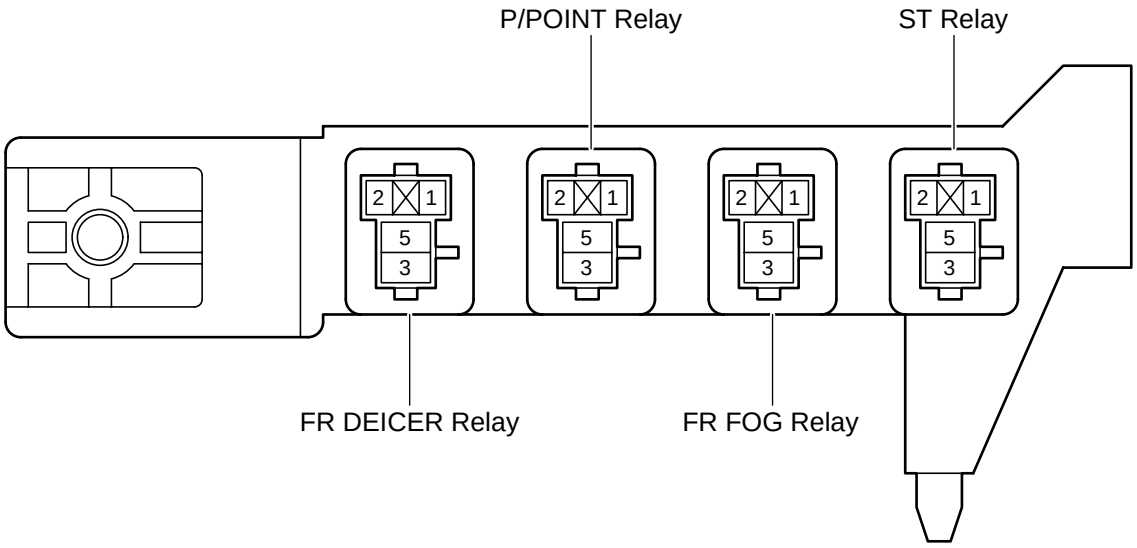


http://vnx.su

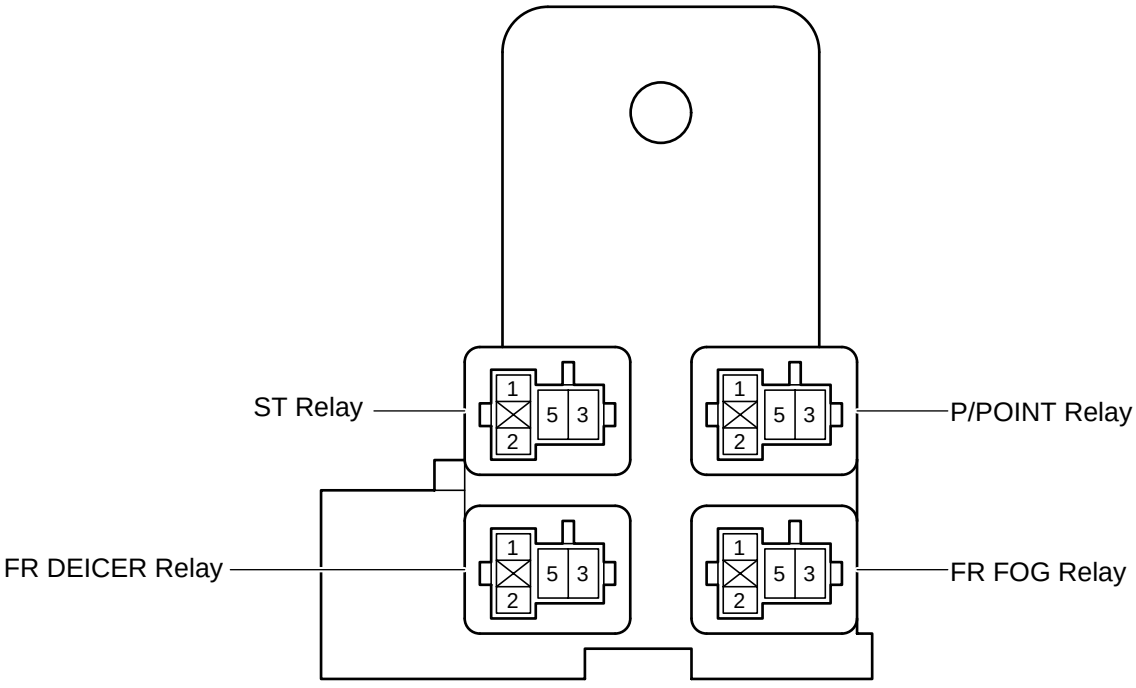
F RELAY LOCATIONS

⑤ : Driver Side R/B	LHD : Left Side of the Instrument Panel (See Page 21)
	RHD : Instrument Panel Reinforcement LH (See Page 21)

(LHD)

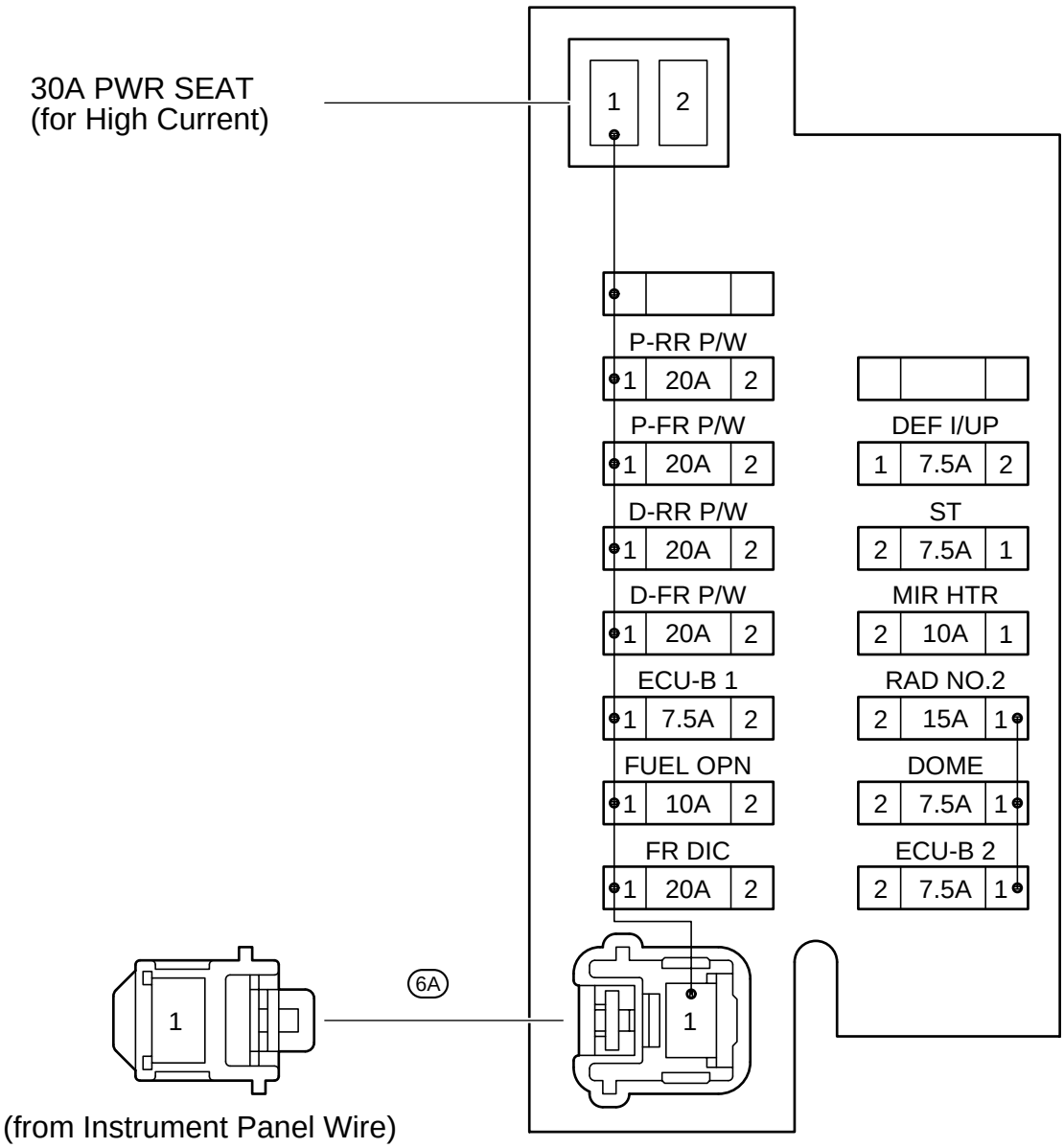


(RHD)



http://vnx.su

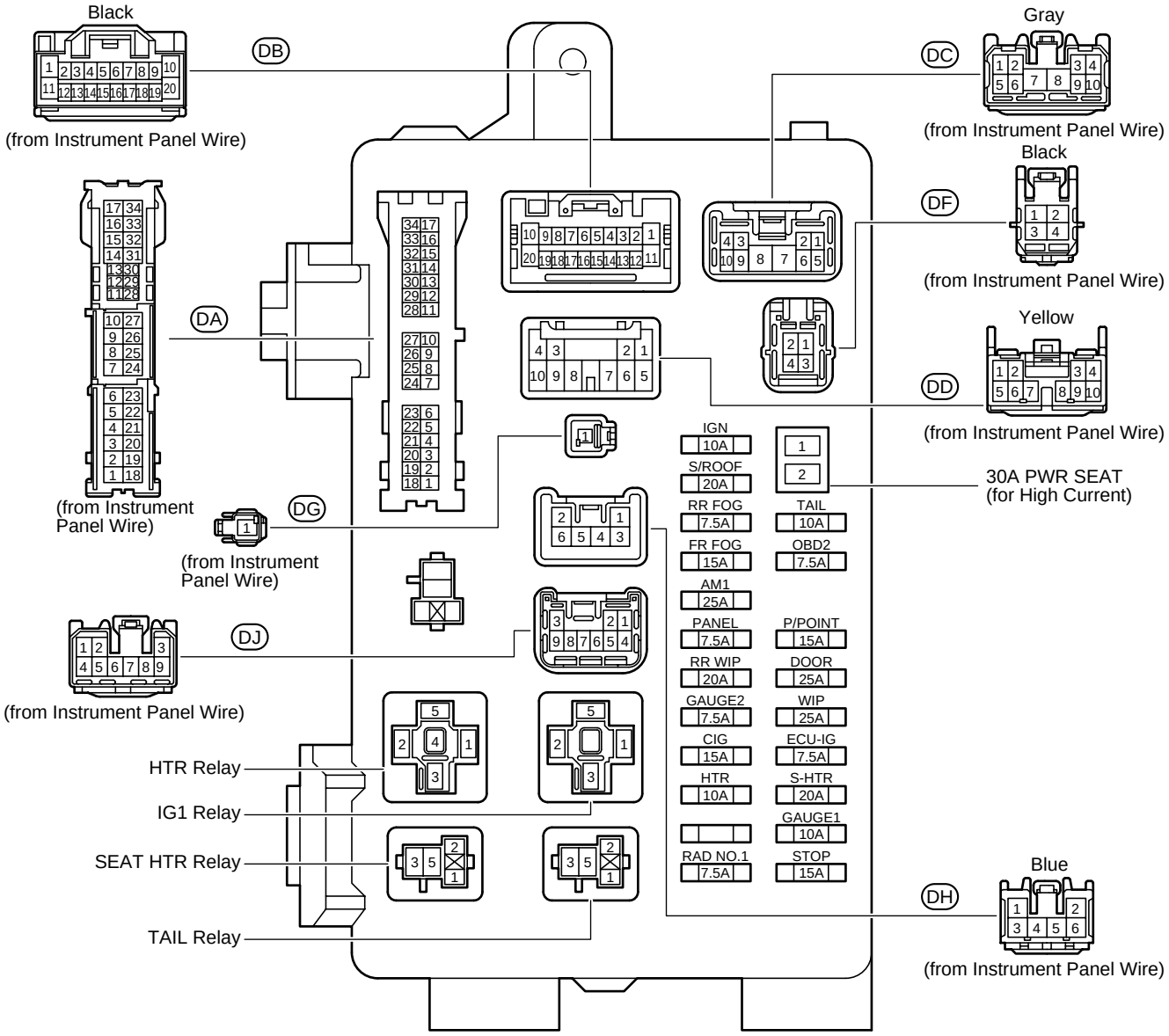
⑥ : Fuse Block ⬭ : J/B No.6	Lower Finish Panel (See Page 21)



http://vnx.su

F RELAY LOCATIONS

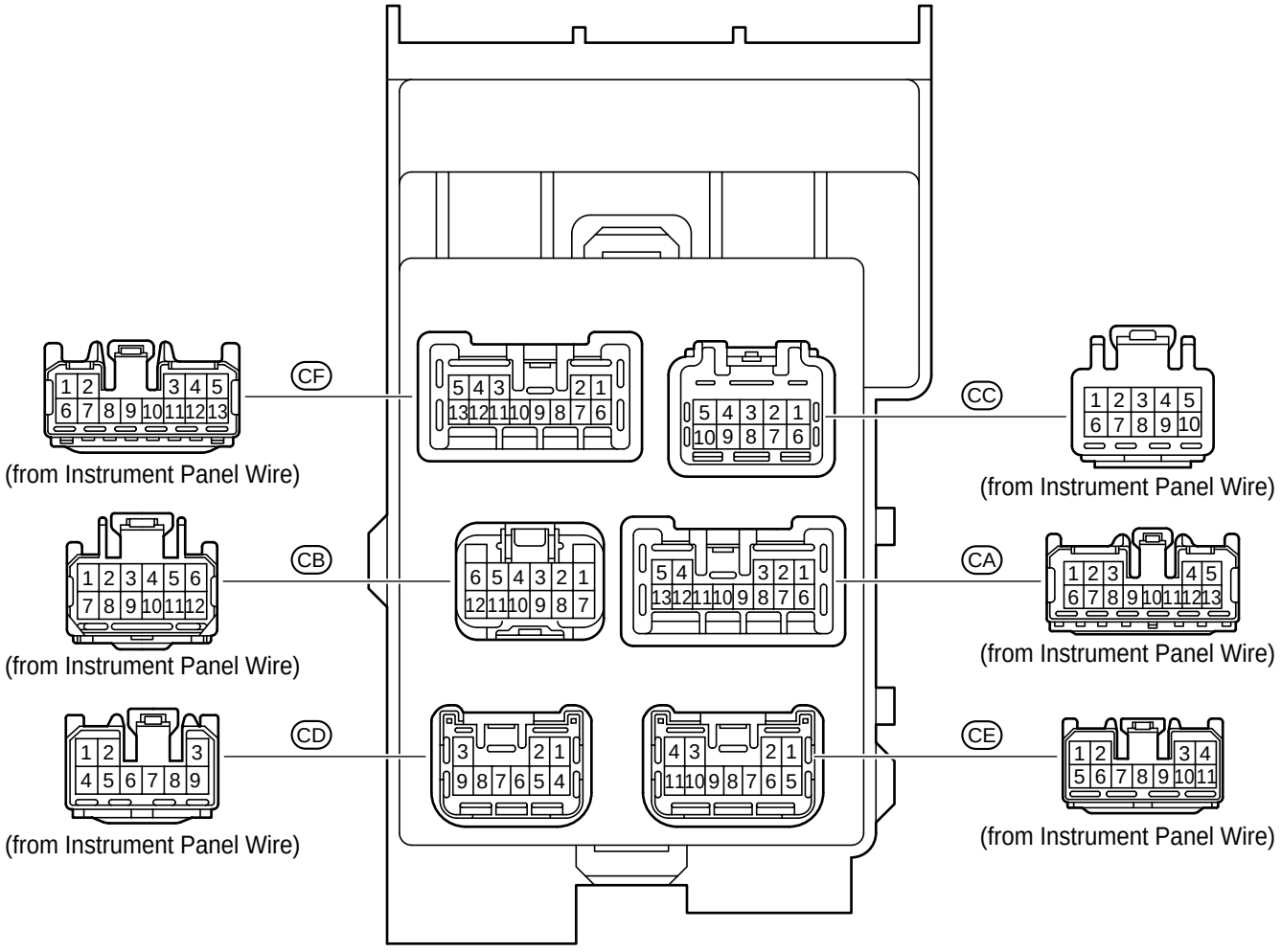
: Driver Side J/B	Left Side of the Instrument Panel (See Page 21)



http://vnx.su

F RELAY LOCATIONS

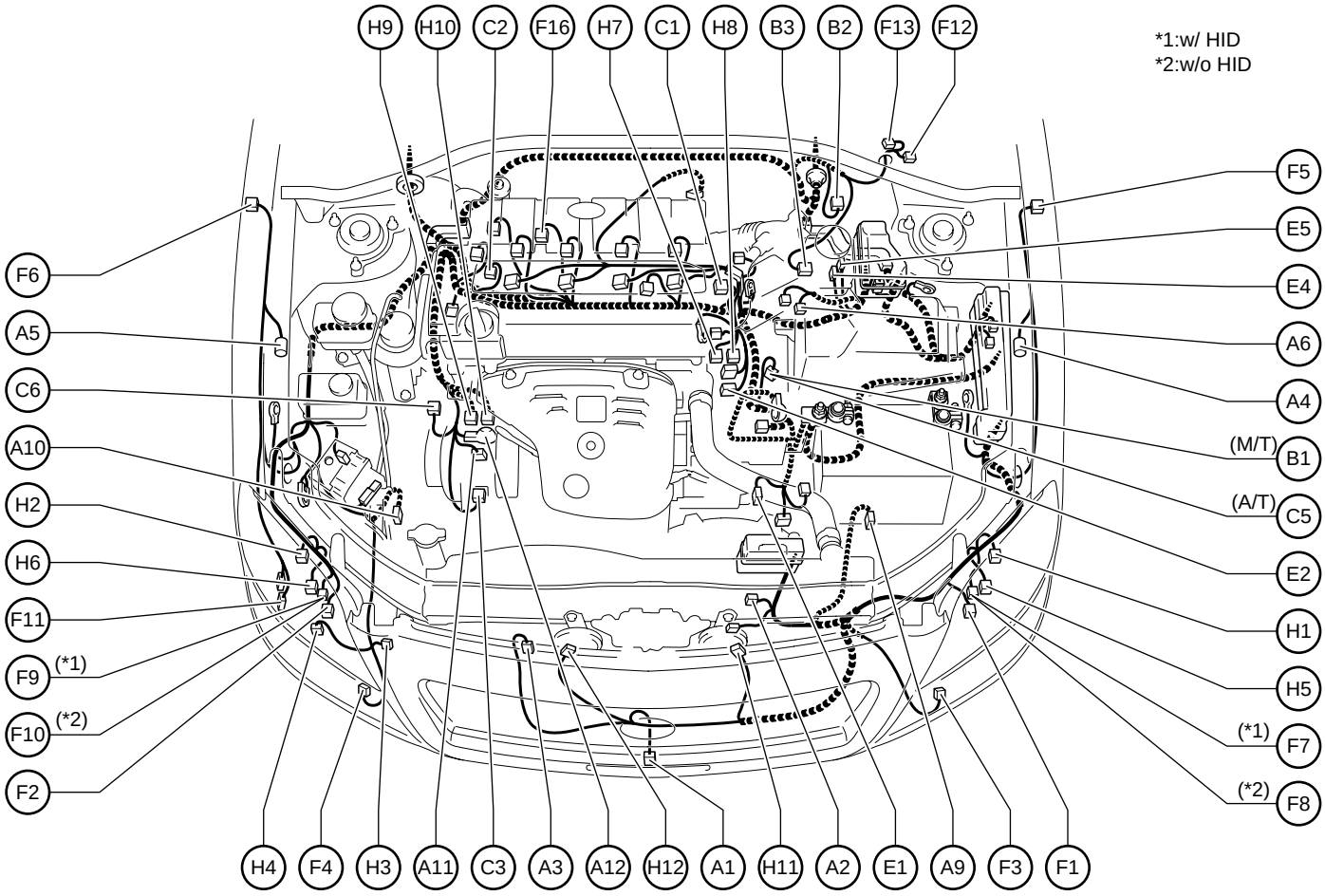
: Center J/B	Instrument Panel Reinforcement RH (See Page 21)



http://vnx.su

Position of Parts in Engine Compartment

[LHD : 1AZ–FSE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit

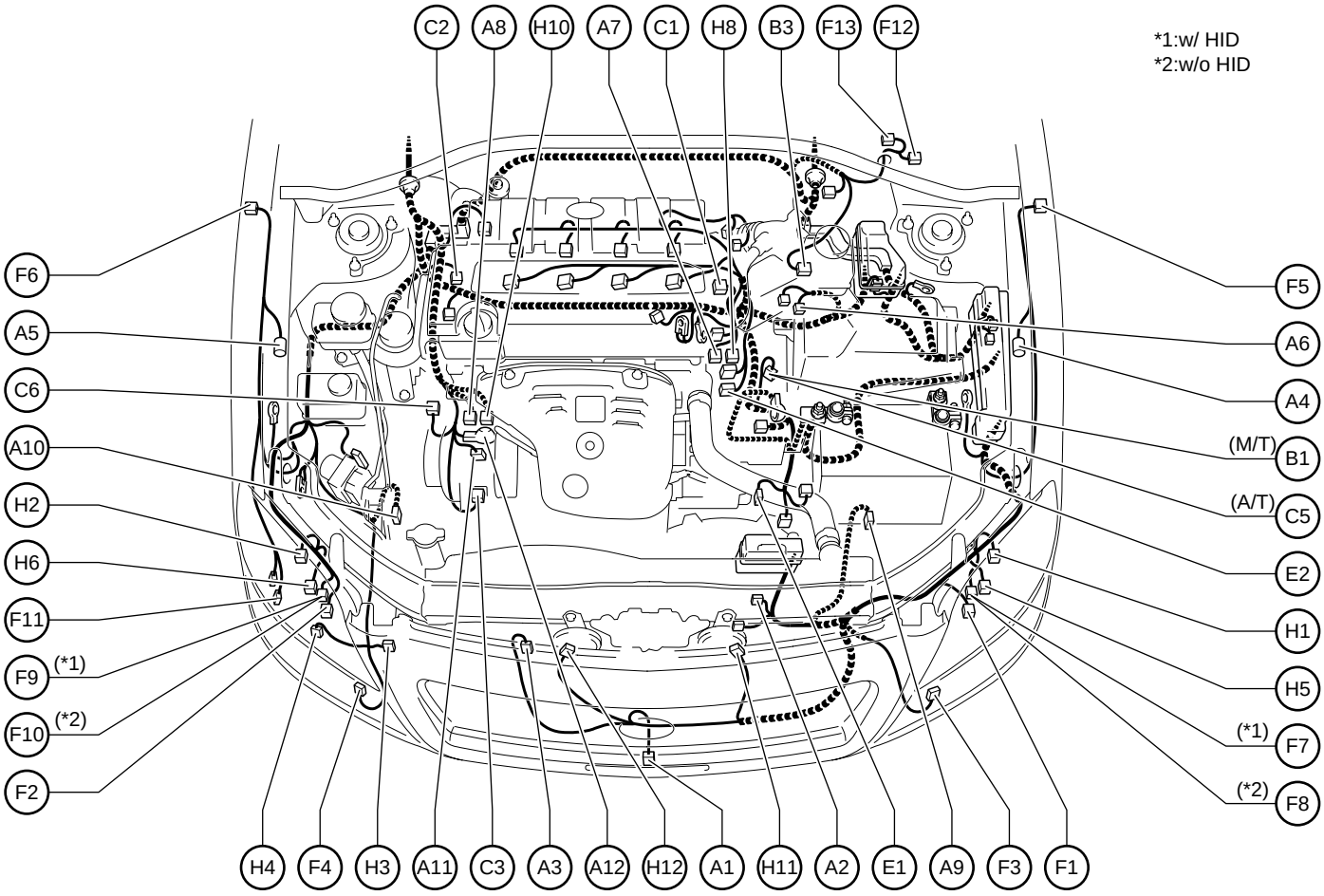
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor
F16 Fuel Pressure Sensor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

http://vnx.su

Position of Parts in Engine Compartment

[LHD : 1AZ–FE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 7 Air Fuel Ratio Sensor (Bank 1 Sensor 1)
A 8 Air Fuel Ratio Sensor (Bank 2 Sensor 1)
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

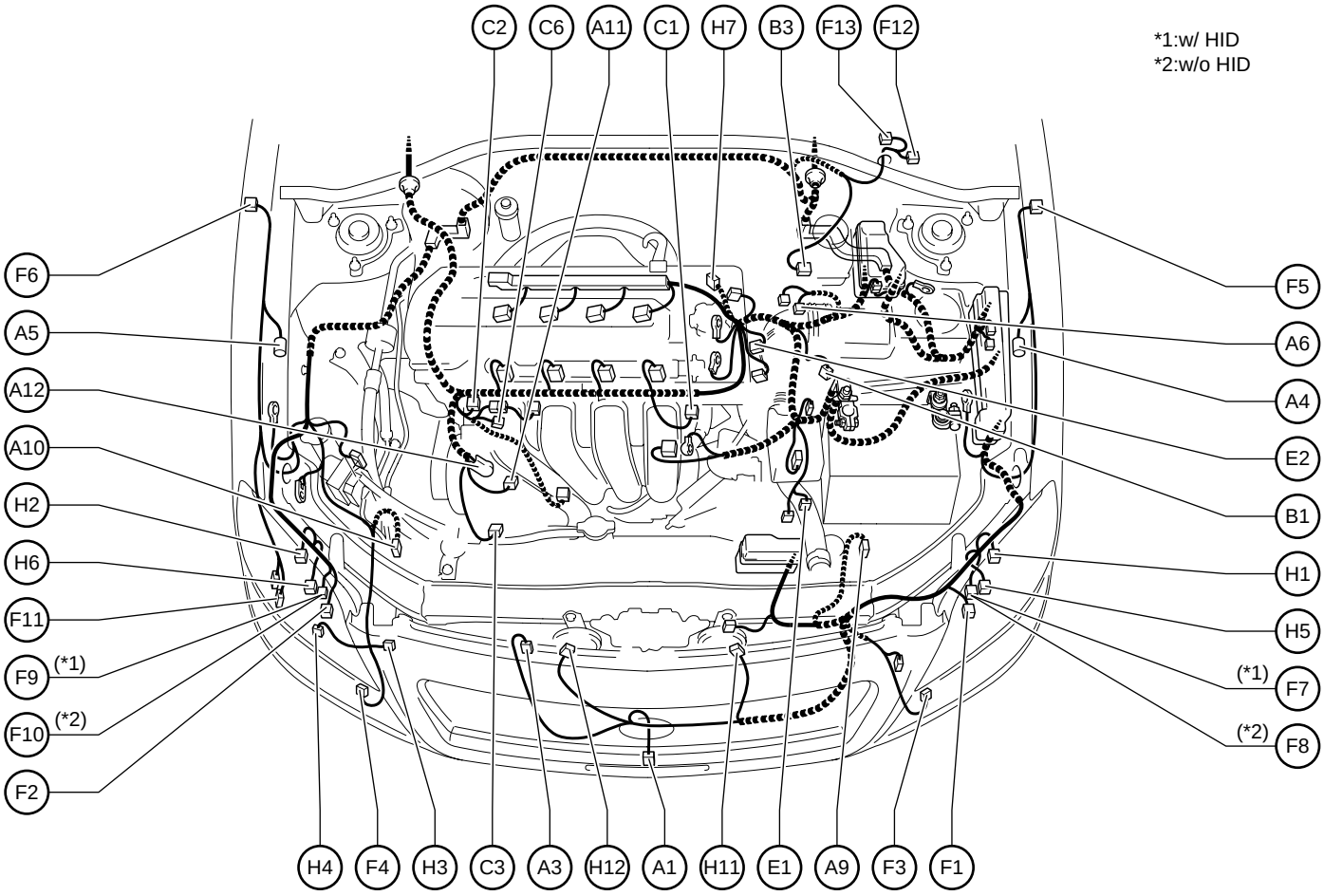
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

http://vnx.su

Position of Parts in Engine Compartment

[LHD : 1ZZ–FE, 3ZZ–FE]



A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 6 Crankshaft Position Sensor

E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

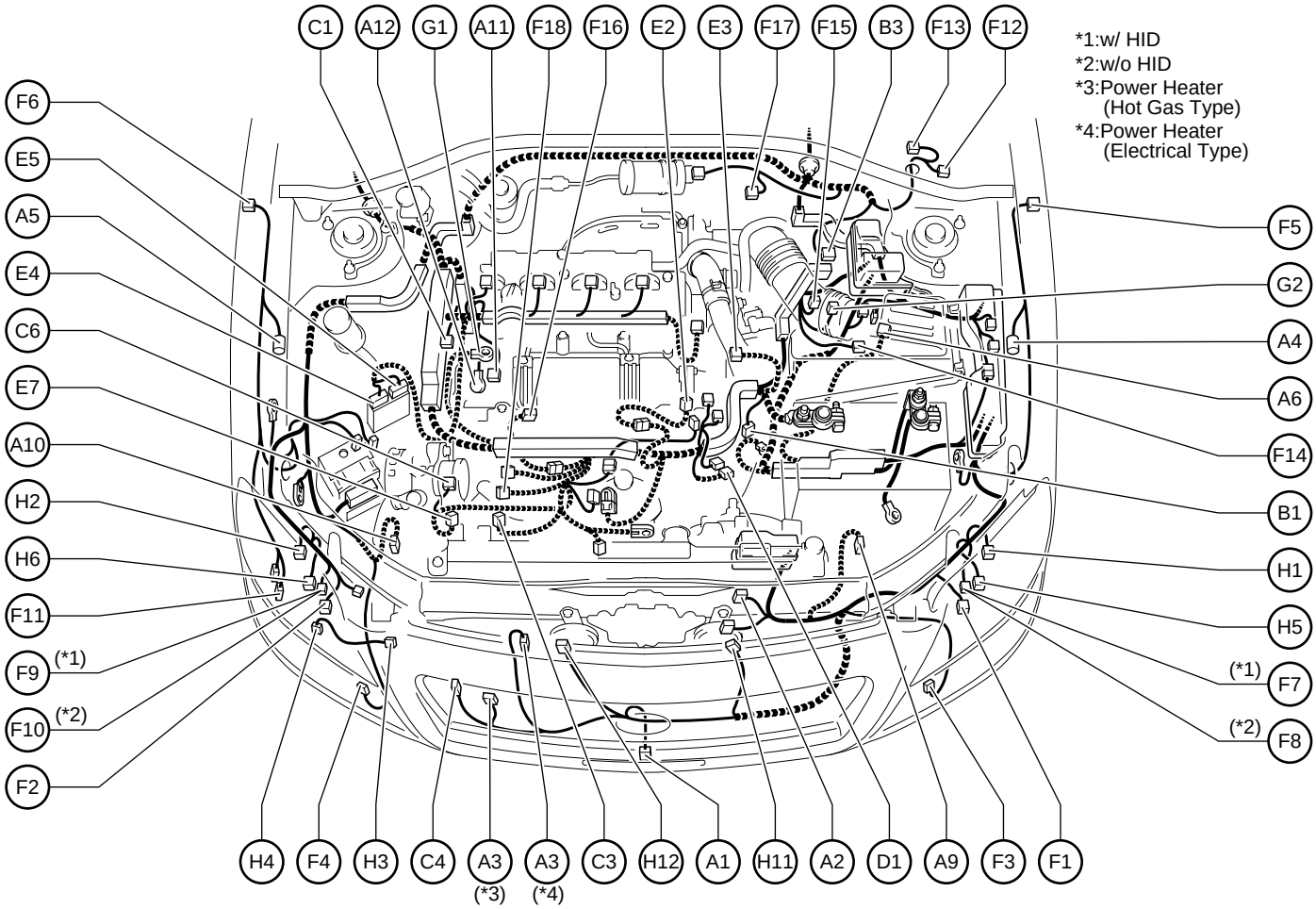
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H11 Horn LH
H12 Horn RH

http://vnx.su

Position of Parts in Engine Compartment

[LHD : 1CD–FTV]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor

D 1 Diesel Throttle Control Motor

E 2 EFI Water Temp. Sensor
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 7 Engine Oil Level Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor
F14 Fuel Filter Warning SW
F15 Fuel Heater
F16 Fuel Pressure Sensor
F17 Fuel Pump
F18 Fuel Temp. Sensor

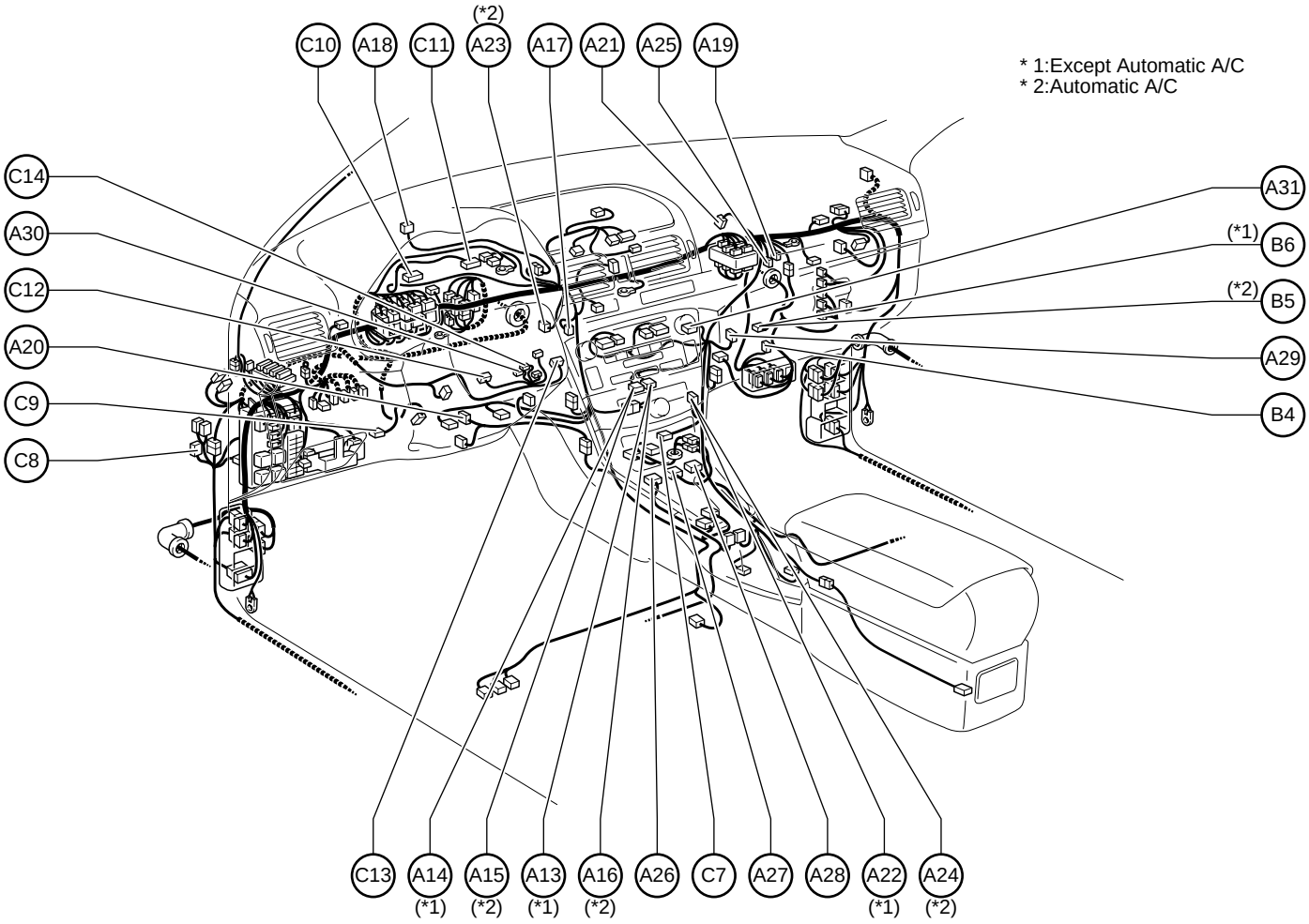
G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H11 Horn LH
H12 Horn RH

http://vnx.su

Position of Parts in Instrument Panel

[LHD]



A13 A/C Control Assembly
A14 A/C Control Assembly
A15 A/C Control Assembly
A16 A/C Control Assembly
A17 A/C Room Temp. Sensor
A18 A/C Solar Sensor
A19 A/C Thermistor
A20 Accel Position Sensor
A21 Air Inlet Control Servo Motor
A22 Air Mix Control Servo Motor
A23 Air Mix Control Servo Motor (Driver Side)
A24 Air Mix Control Servo Motor (Front Passenger Side)
A25 Air Vent Mode Control Servo Motor
A26 Airbag Sensor Assembly
A27 Airbag Sensor Assembly
A28 Airbag Sensor Assembly
A29 Airbag Squib (Front Passenger Airbag Assembly)
A30 Airbag Squib (Steering Wheel Pad)
A31 Antenna Amplifier

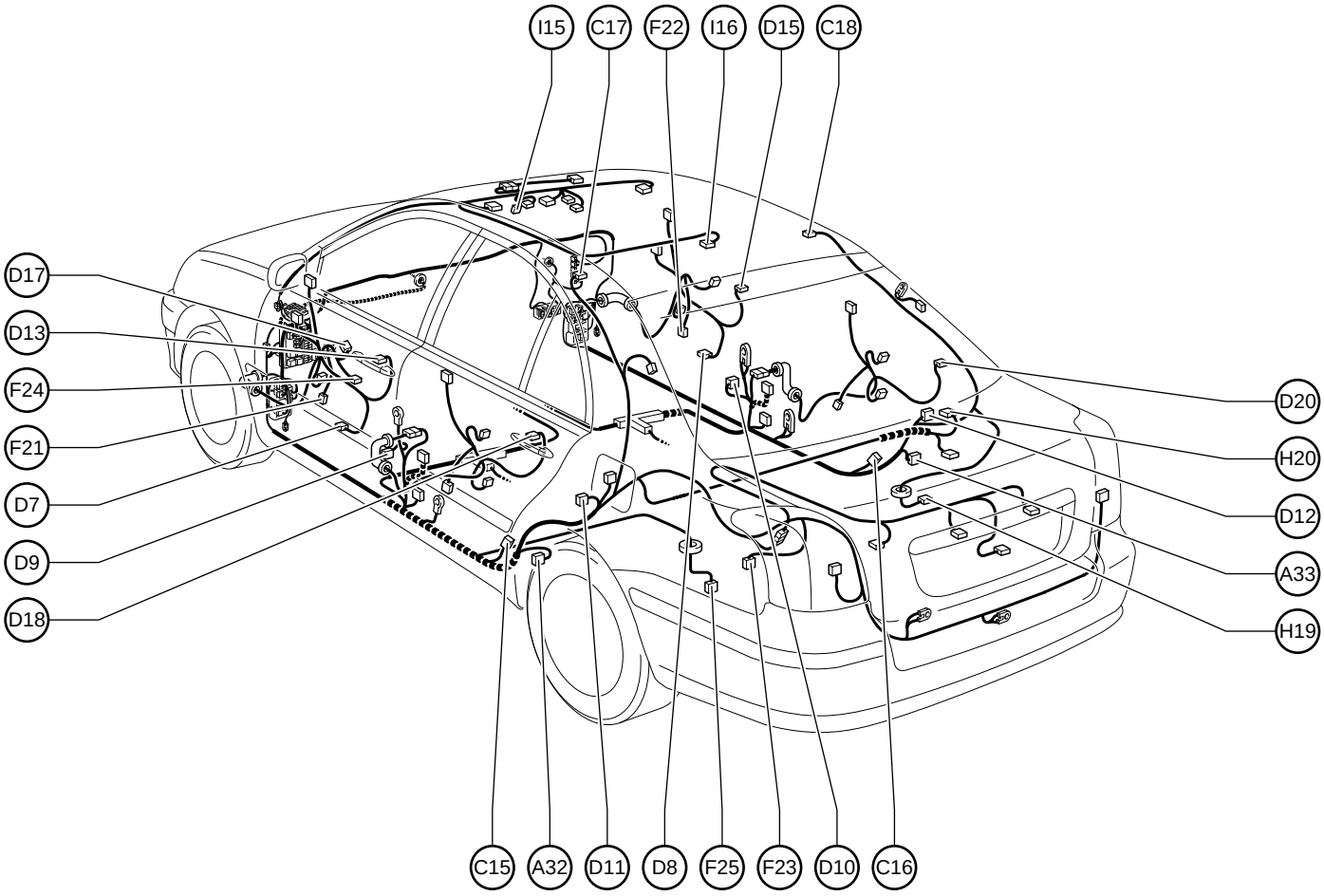
B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter
Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C10 Combination Meter
C11 Combination Meter
C12 Combination SW
C13 Combination SW
C14 Combination SW

http://vnx.su

Position of Parts in Body

[LHD : S/D]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

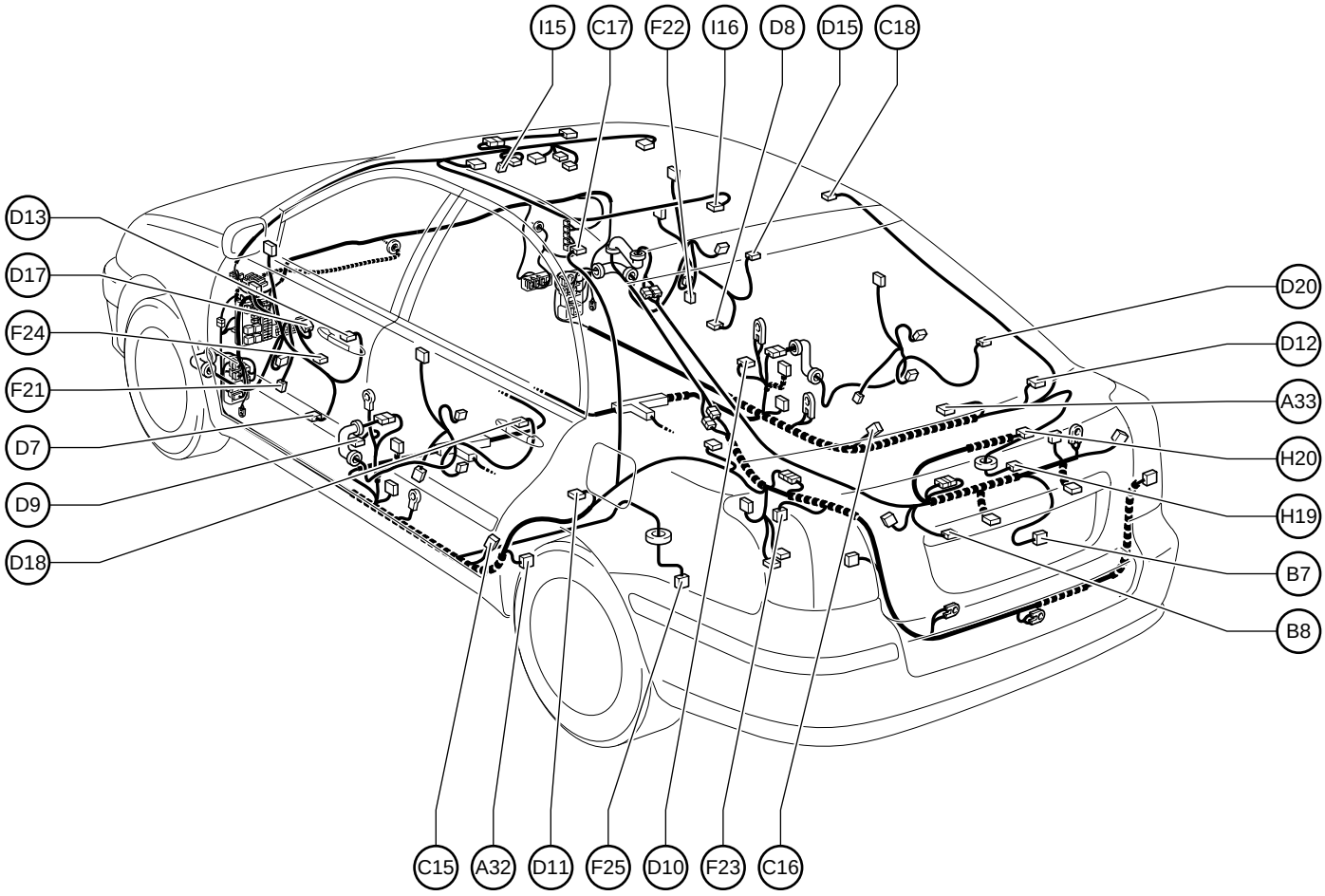
H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

http://vnx.su

Position of Parts in Body

[LHD : L/B]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

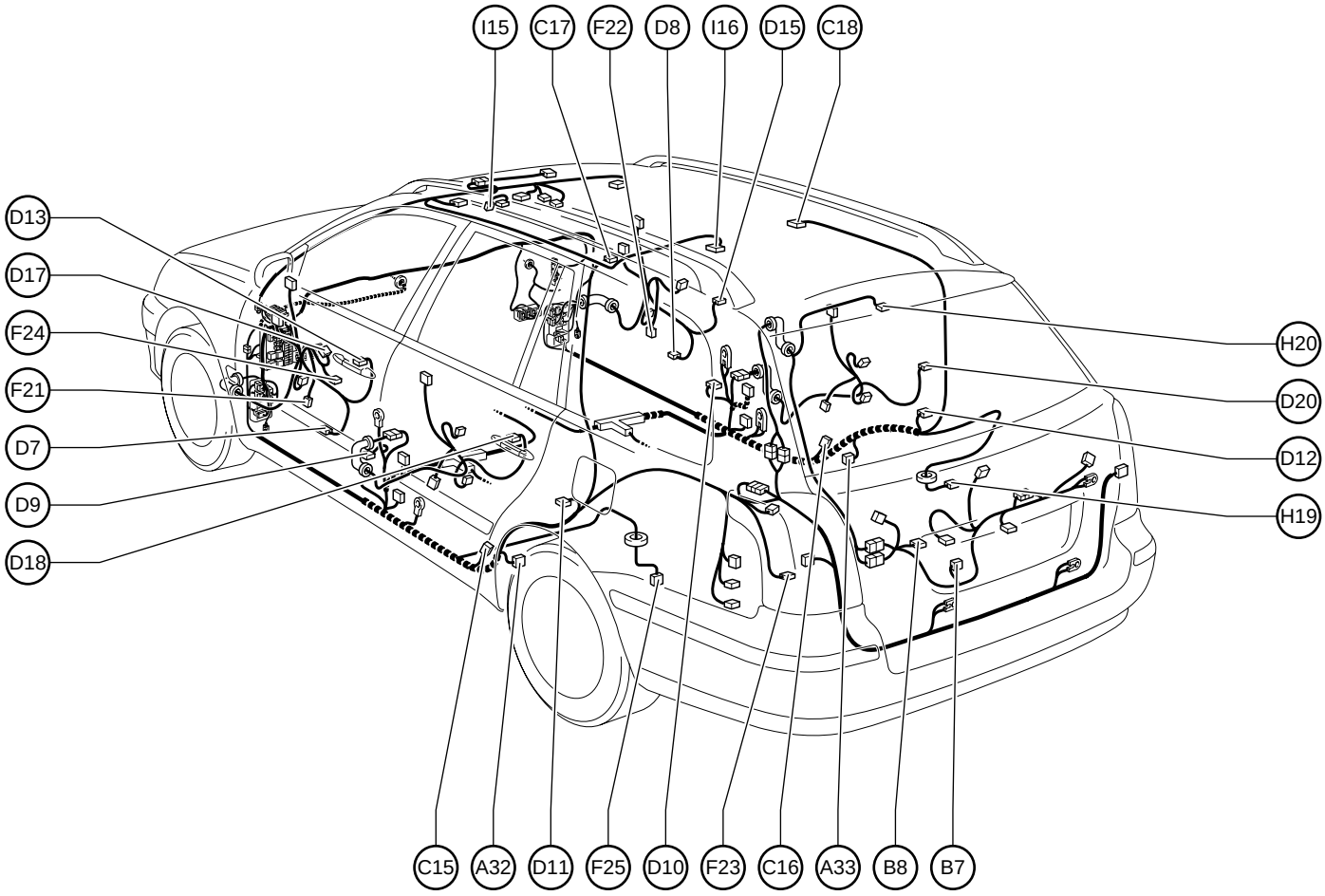
H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

http://vnx.su

Position of Parts in Body

[LHD : W/G]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

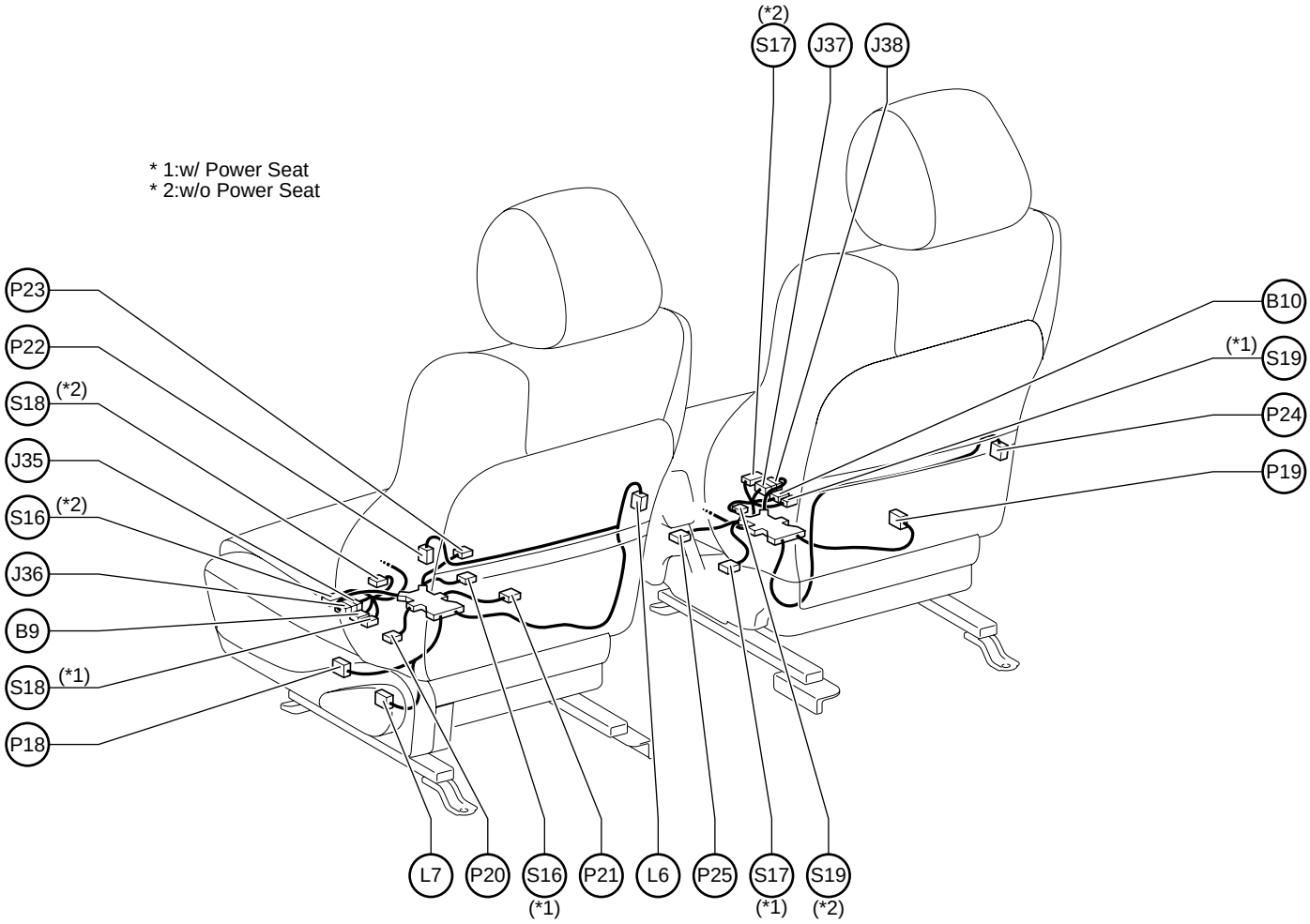
H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

http://vnx.su

Position of Parts in Seat

[LHD]



B 9 Buckle SW (Driver's Side)
B 10 Buckle SW (Front Passenger's Side) Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

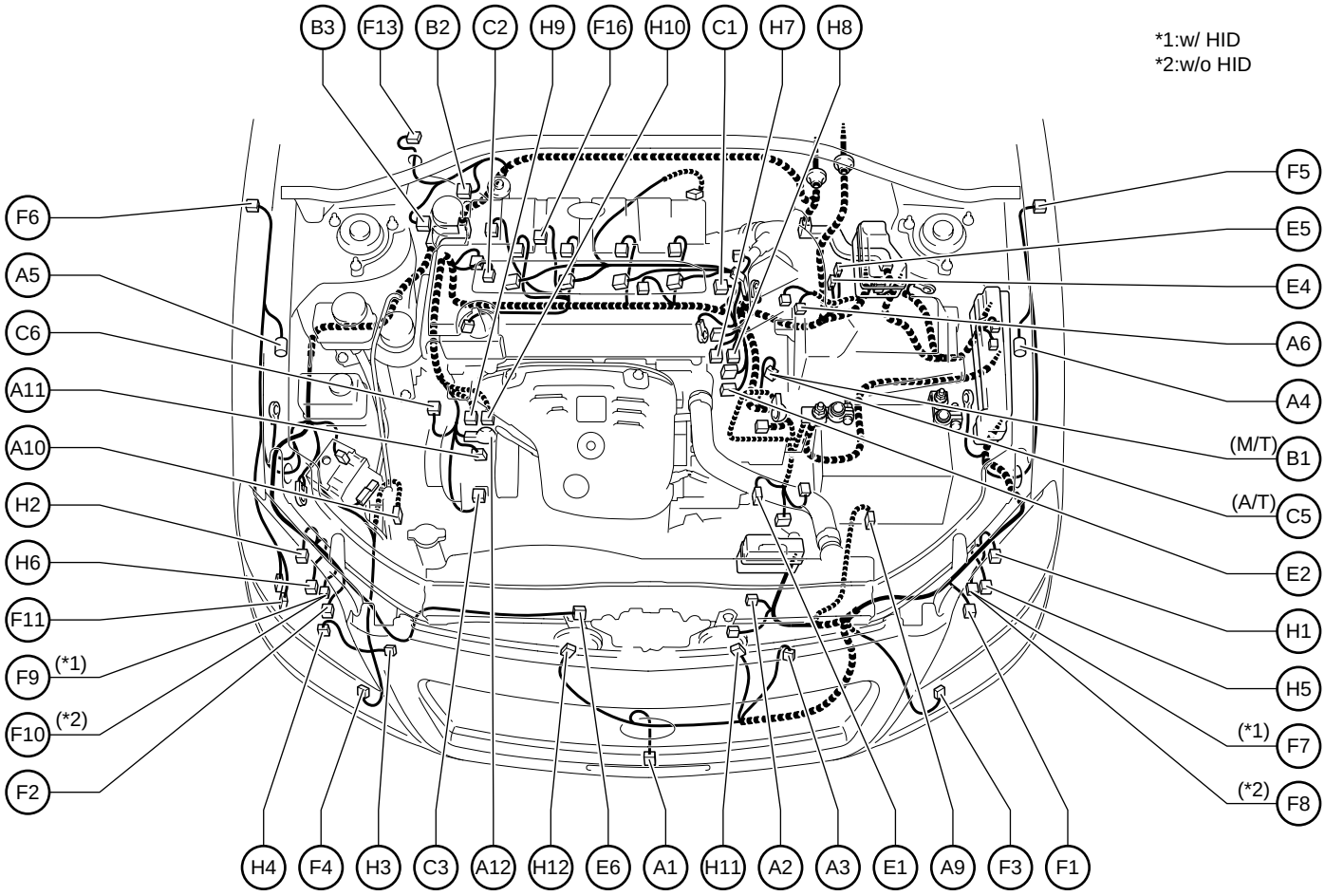
P 18 Power Seat Control SW (Driver's Seat)
P 19 Power Seat Control SW (Front Passenger's Seat)
P 20 Power Seat Motor (Driver's Seat Front Vertical Control)
P 21 Power Seat Motor (Driver's Seat Lifter Control)
P 22 Power Seat Motor (Driver's Seat Reclining Control)
P 23 Power Seat Motor (Driver's Seat Slide Control)
P 24 Power Seat Motor (Front Passenger's Seat Reclining Control)
P 25 Power Seat Motor (Front Passenger's Seat Slide Control)

S 16 Seat Heater LH
S 17 Seat Heater RH
S 18 Side Airbag Squib LH
S 19 Side Airbag Squib RH

http://vnx.su

Position of Parts in Engine Compartment

[RHD : 1AZ–FSE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 6 Engine Hood Courtesy SW

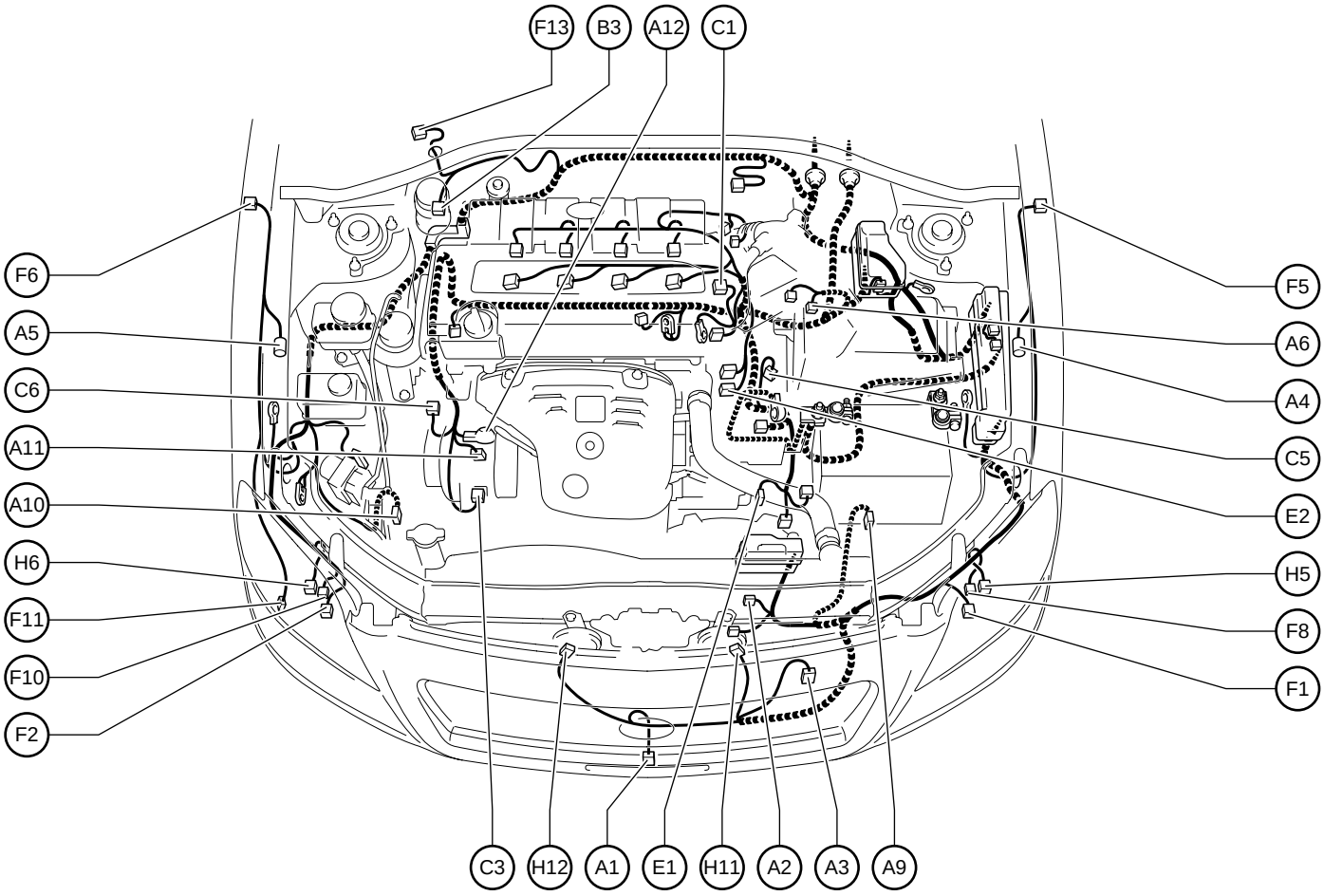
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor
F16 Fuel Pressure Sensor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

http://vnx.su

Position of Parts in Engine Compartment

[RHD : 1AZ–FE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator

B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

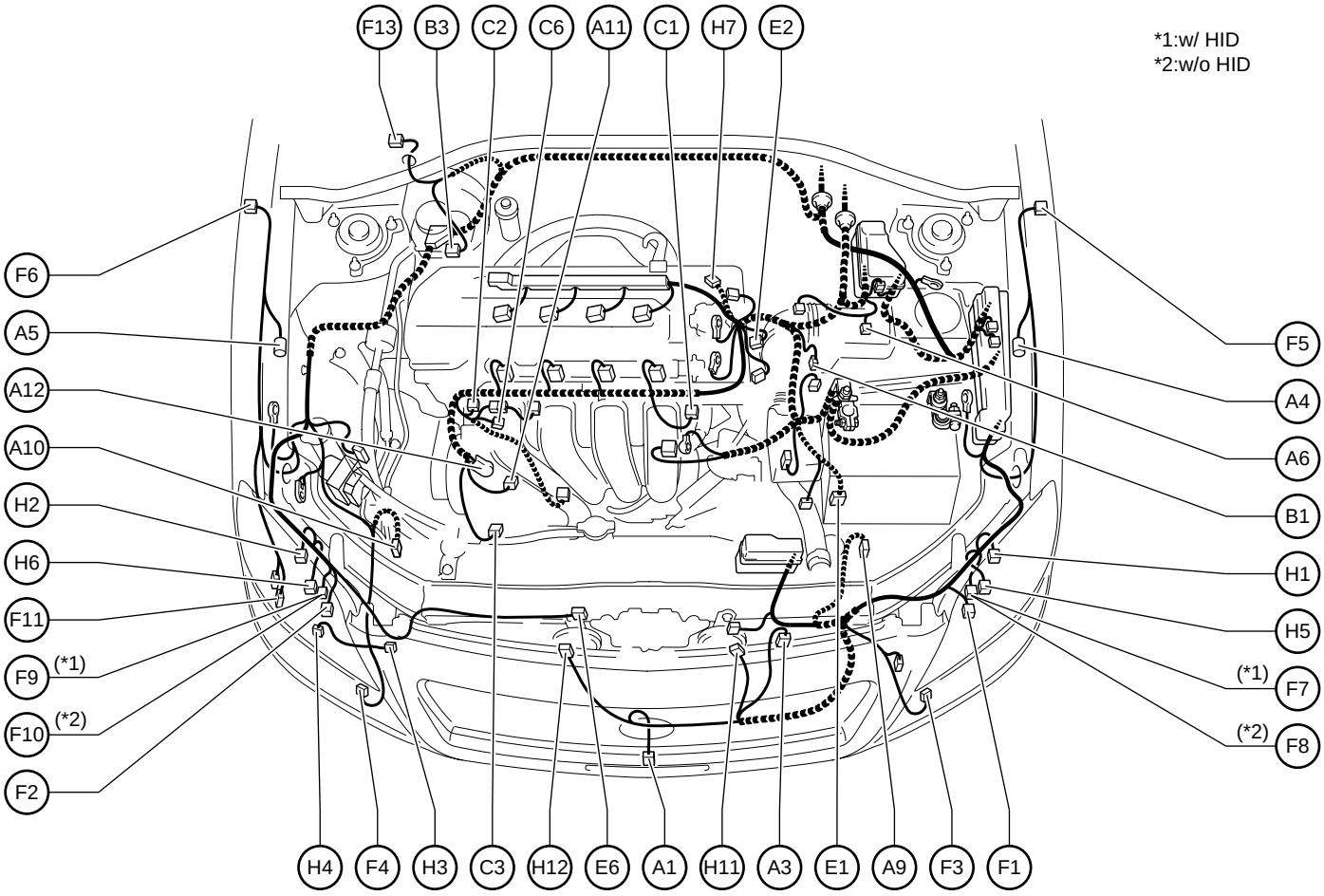
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 10 Front Turn Signal Light RH
Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor

H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

http://vnx.su

Position of Parts in Engine Compartment

[RHD : 1ZZ–FE, 3ZZ–FE]



A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 6 Crankshaft Position Sensor

E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 6 Engine Hood Courtesy SW

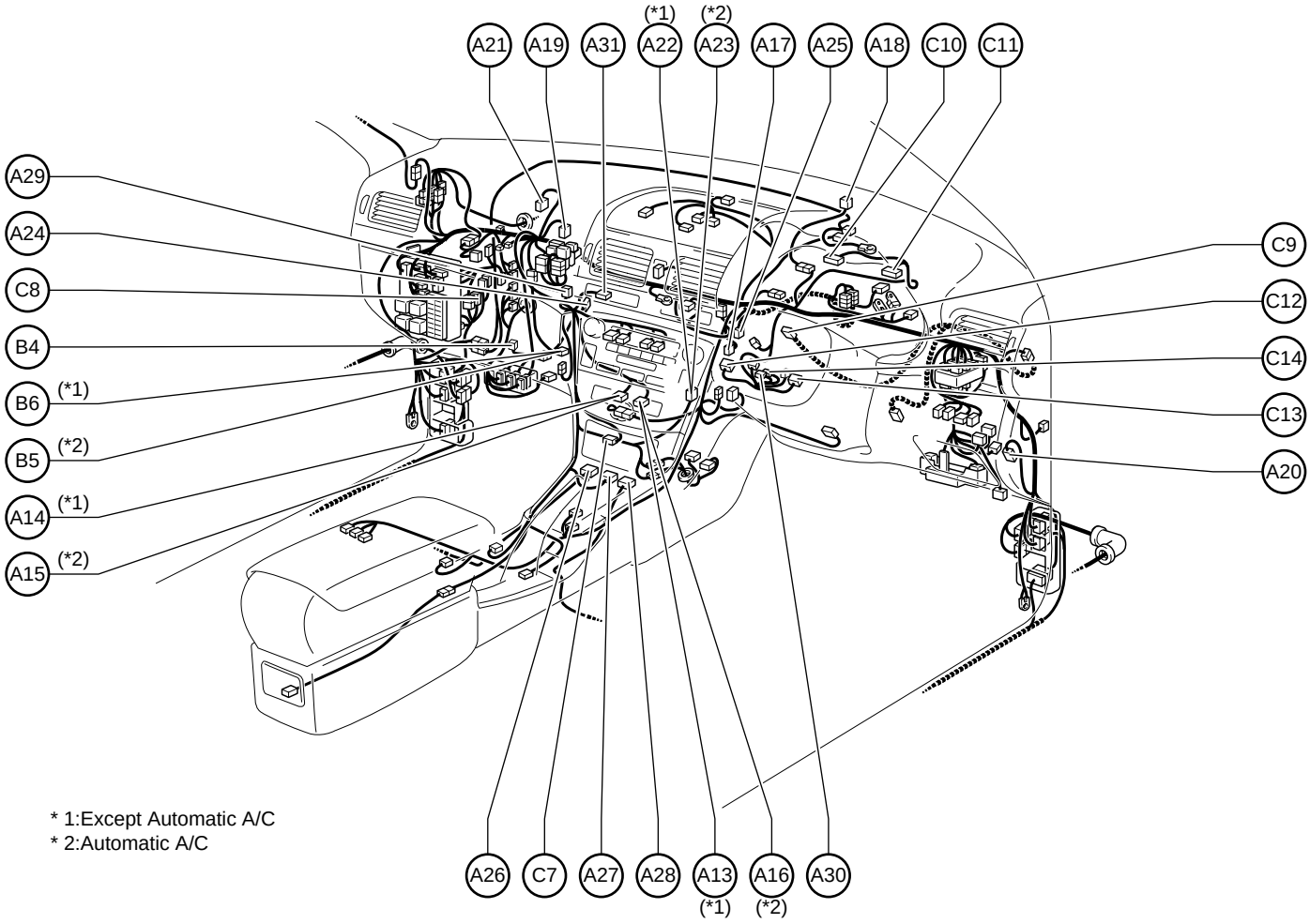
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H11 Horn LH
H12 Horn RH

http://vnx.su

Position of Parts in Instrument Panel

[RHD]



* 1:Except Automatic A/C
* 2:Automatic A/C

A13 A/C Control Assembly
A14 A/C Control Assembly
A15 A/C Control Assembly
A16 A/C Control Assembly
A17 A/C Room Temp. Sensor
A18 A/C Solar Sensor
A19 A/C Thermistor
A20 Accel Position Sensor
A21 Air Inlet Control Servo Motor
A22 Air Mix Control Servo Motor
A23 Air Mix Control Servo Motor (Driver Side)
A24 Air Mix Control Servo Motor (Front Passenger Side)
A25 Air Vent Mode Control Servo Motor
A26 Airbag Sensor Assembly
A27 Airbag Sensor Assembly
A28 Airbag Sensor Assembly
A29 Airbag Squib (Front Passenger Airbag Assembly)
A30 Airbag Squib (Steering Wheel Pad)
A31 Antenna Amplifier

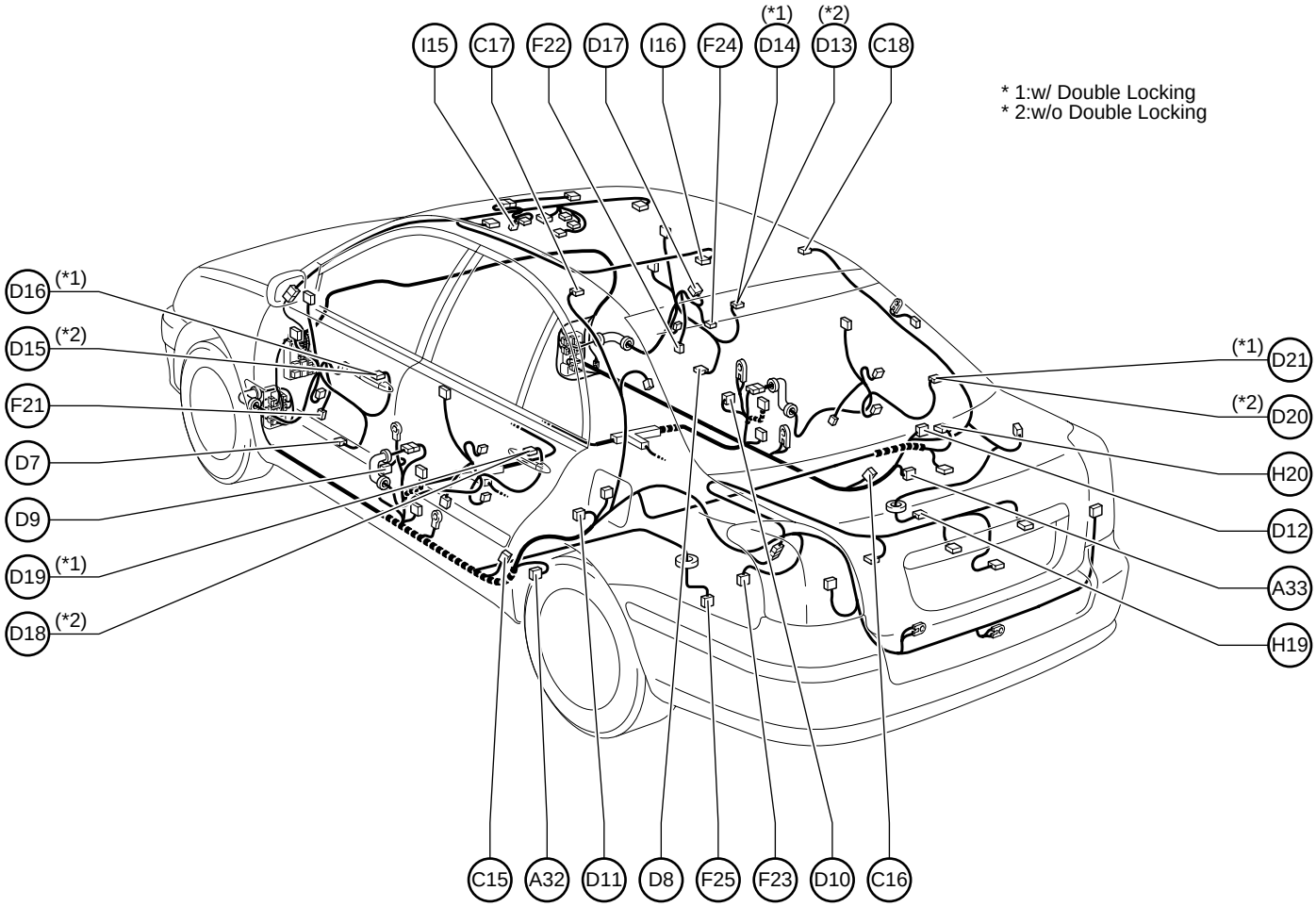
B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter
Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C10 Combination Meter
C11 Combination Meter
C12 Combination SW
C13 Combination SW
C14 Combination SW

http://vnx.su

Position of Parts in Body

[RHD : S/D]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D20 Door Lock Motor Rear RH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

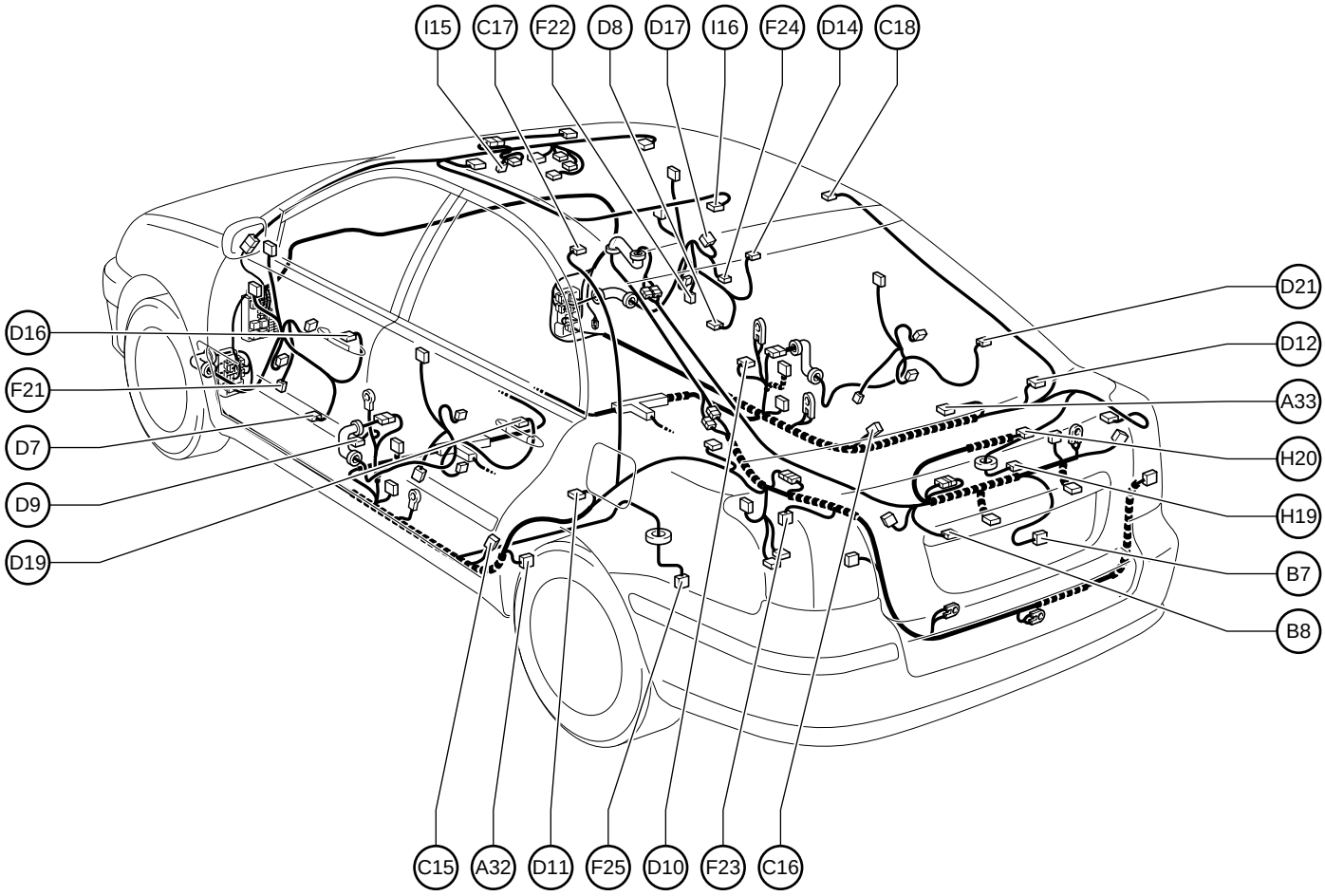
H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

http://vnx.su

Position of Parts in Body

[RHD : L/B]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

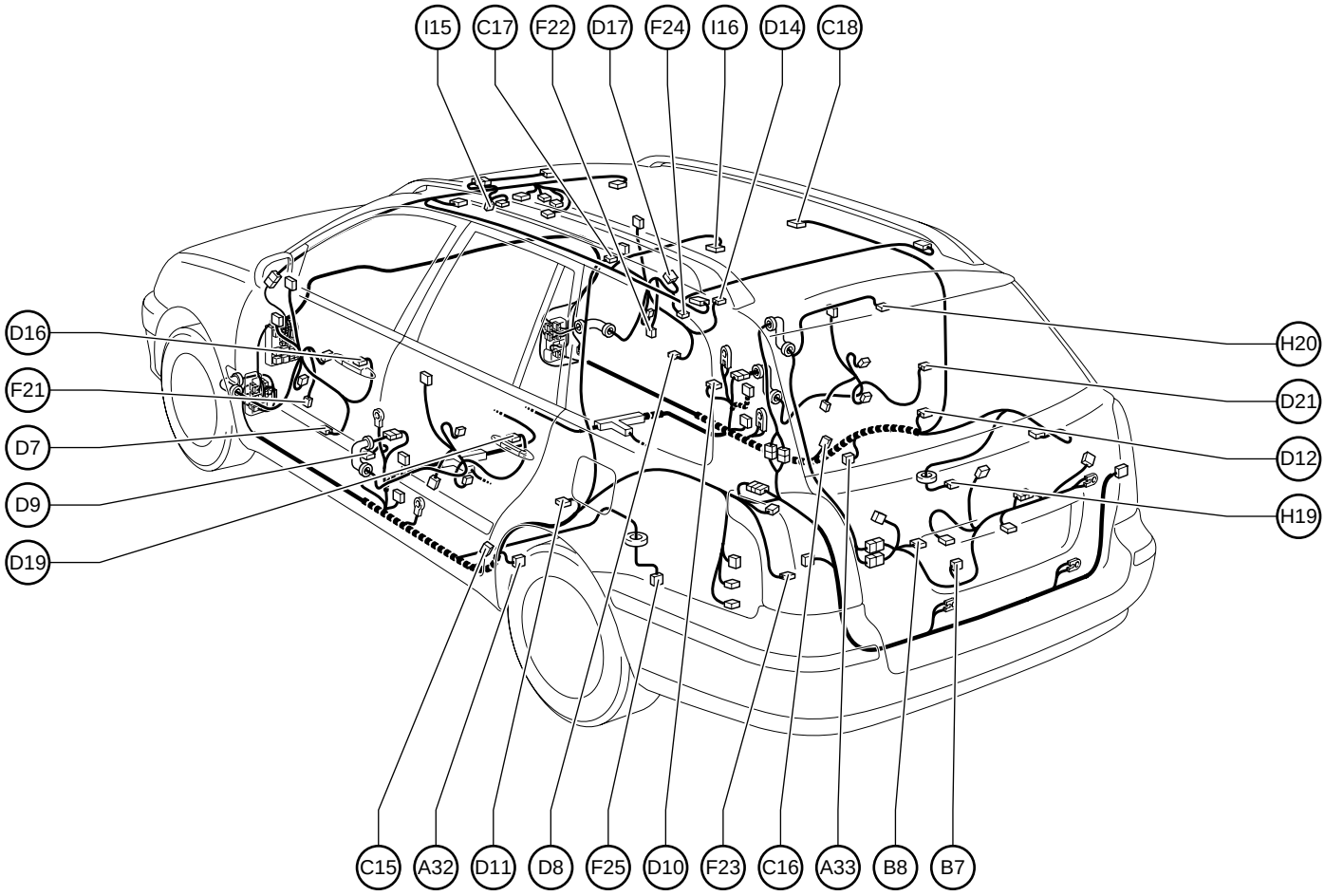
H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

http://vnx.su

Position of Parts in Body

[RHD : W/G]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

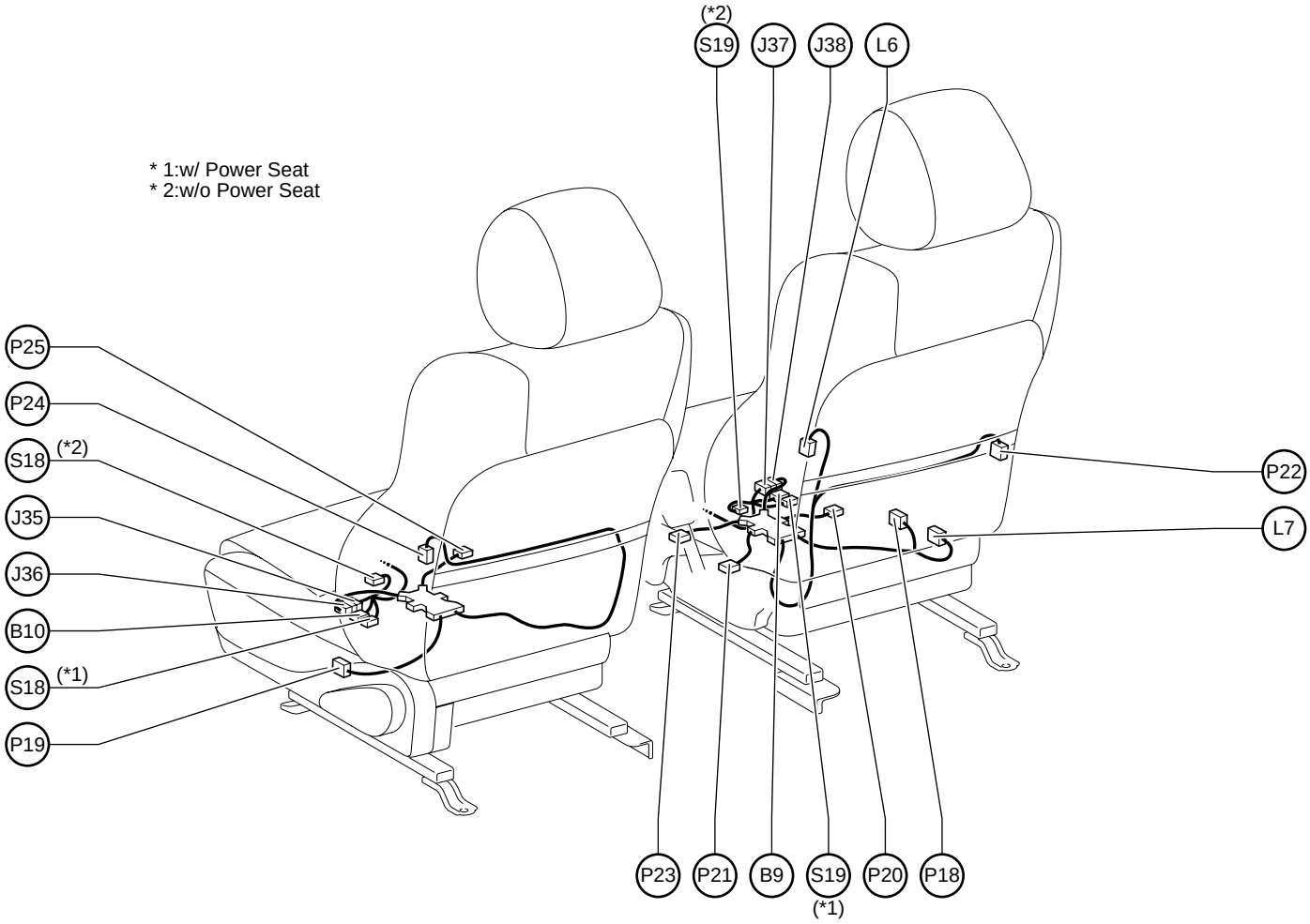
H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

http://vnx.su

Position of Parts in Seat

[RHD]



B 9 Buckle SW (Driver's Side)
B 10 Buckle SW (Front Passenger's Side)
Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

P 18 Power Seat Control SW (Driver's Seat)
P 19 Power Seat Control SW (Front Passenger's Seat)
P 20 Power Seat Motor (Driver's Seat Front Vertical Control)
P 21 Power Seat Motor (Driver's Seat Lifter Control)
P 22 Power Seat Motor (Driver's Seat Reclining Control)
P 23 Power Seat Motor (Driver's Seat Slide Control)
P 24 Power Seat Motor
(Front Passenger's Seat Reclining Control)
P 25 Power Seat Motor
(Front Passenger's Seat Slide Control)

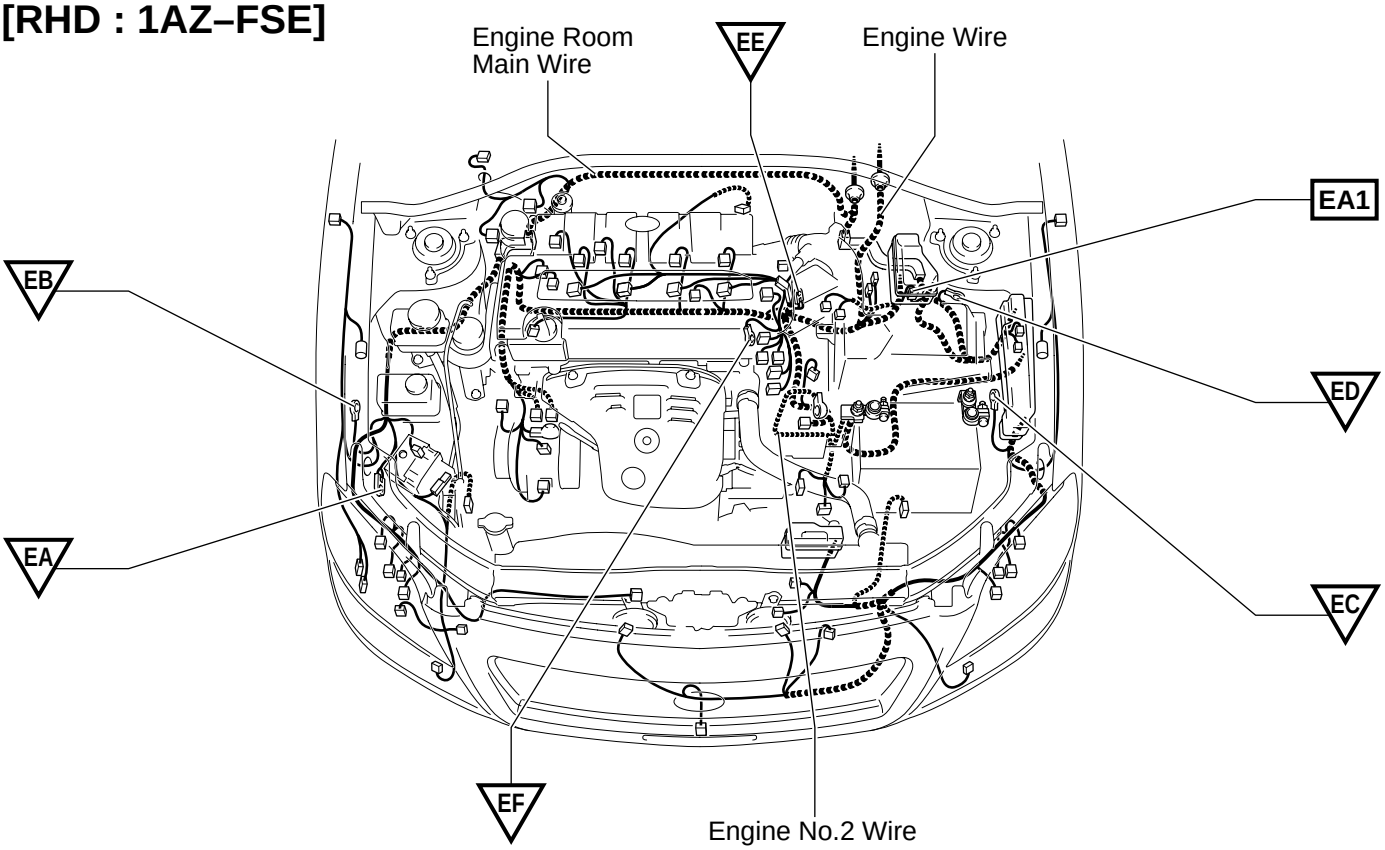
S 18 Side Airbag Squib LH
S 19 Side Airbag Squib RH

http://vnx.su

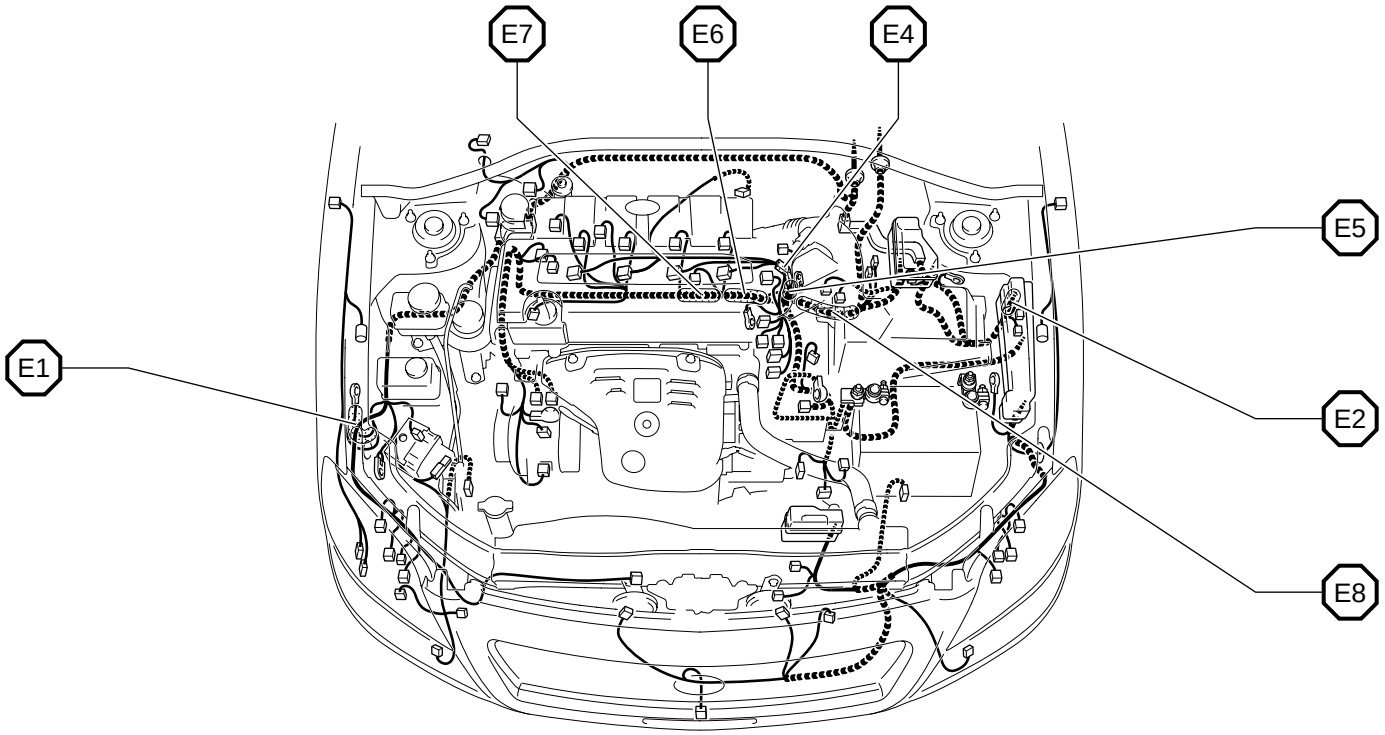
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : 1AZ–FSE]



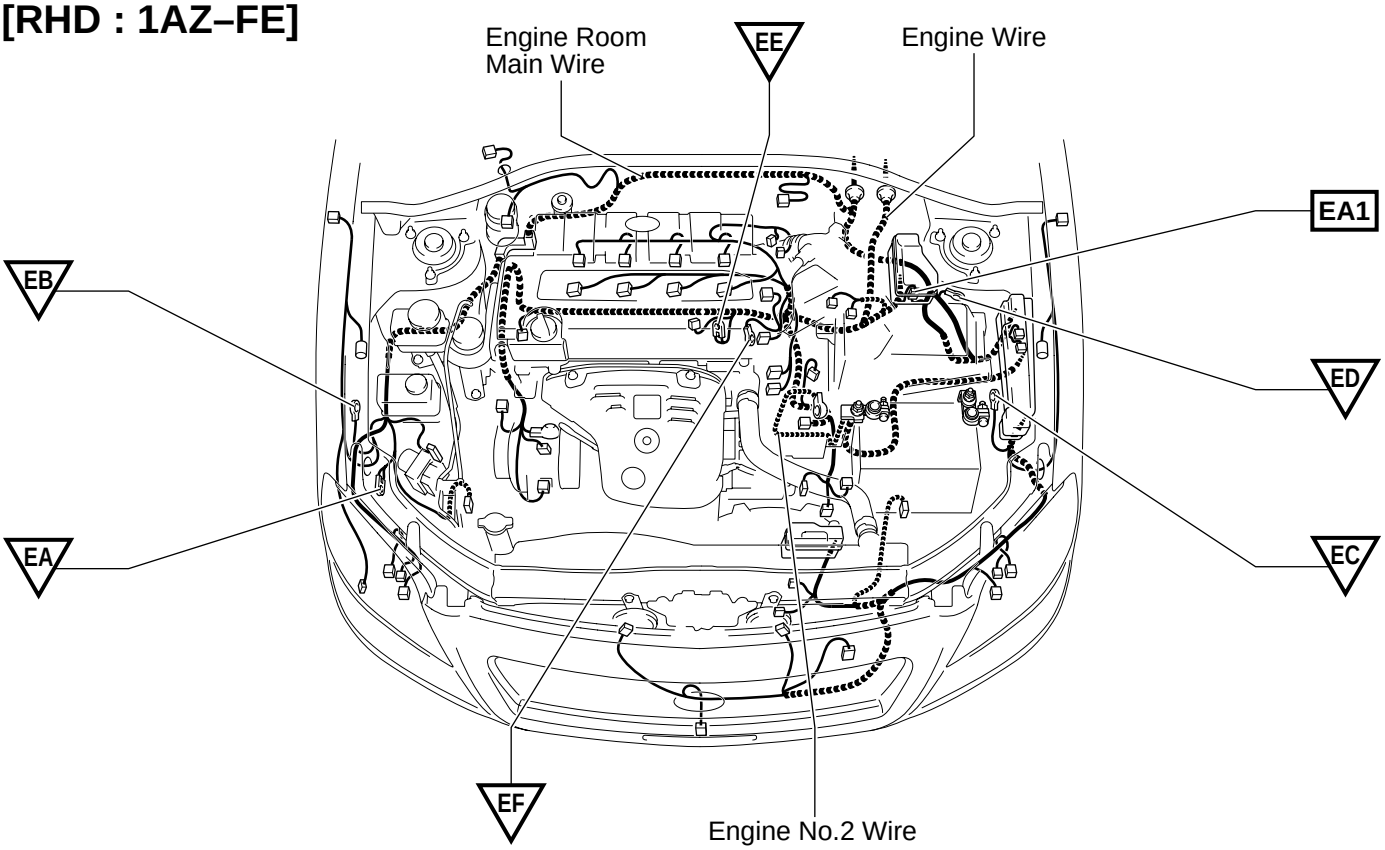
○ : Location of Splice Points



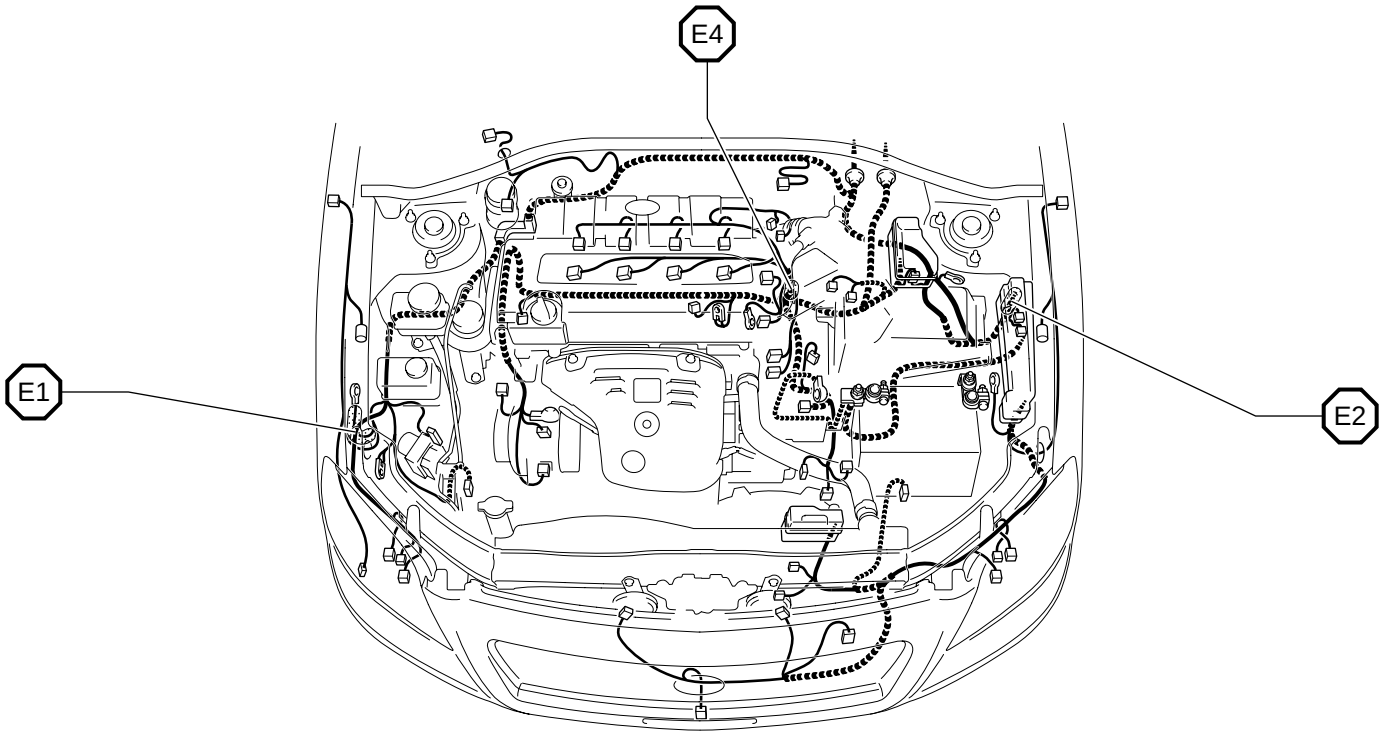
http://vnx.su

: Location of Connector Joining Wire Harness and Wire Harness
: Location of Ground Points

[RHD : 1AZ–FE]



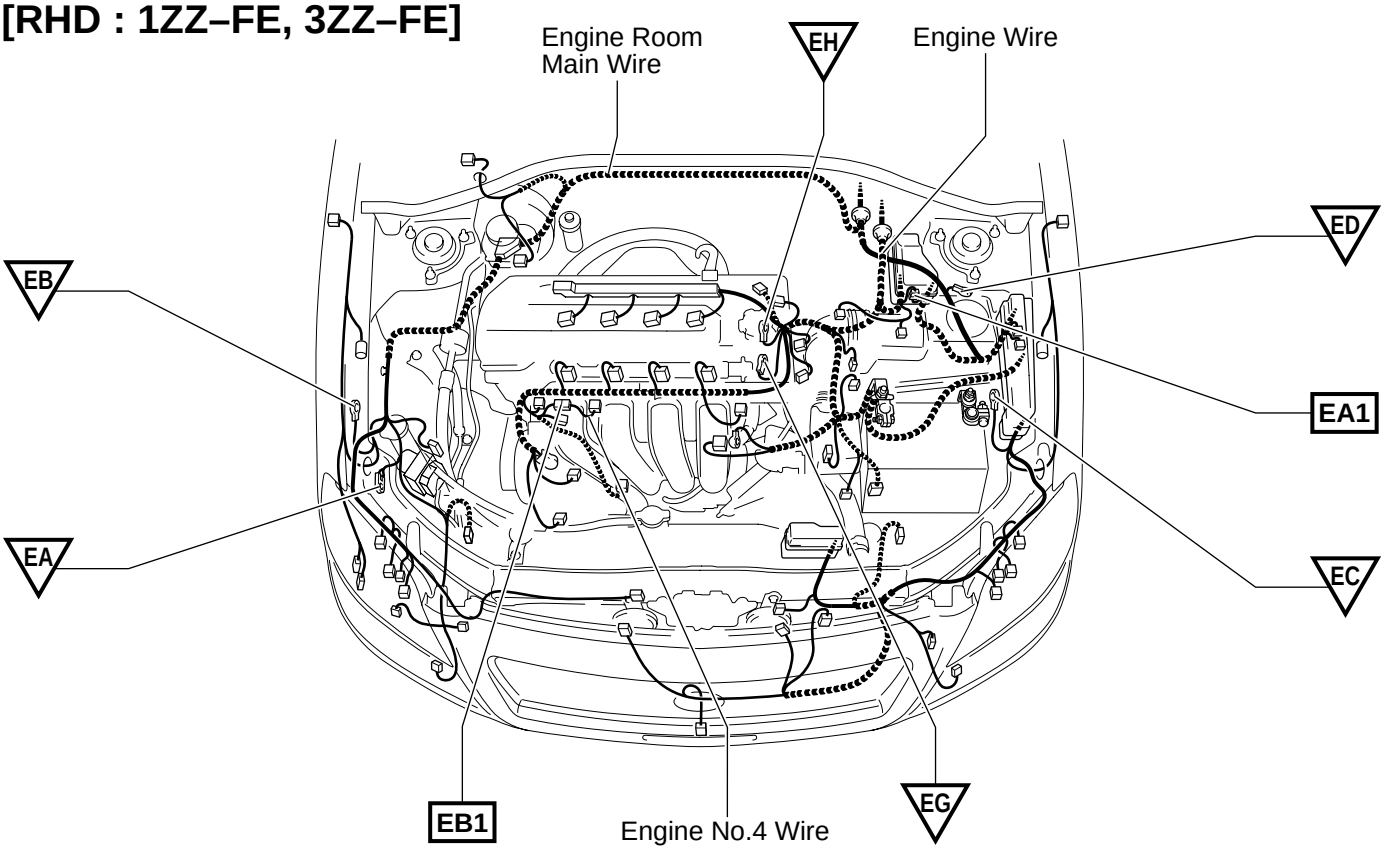
: Location of Splice Points



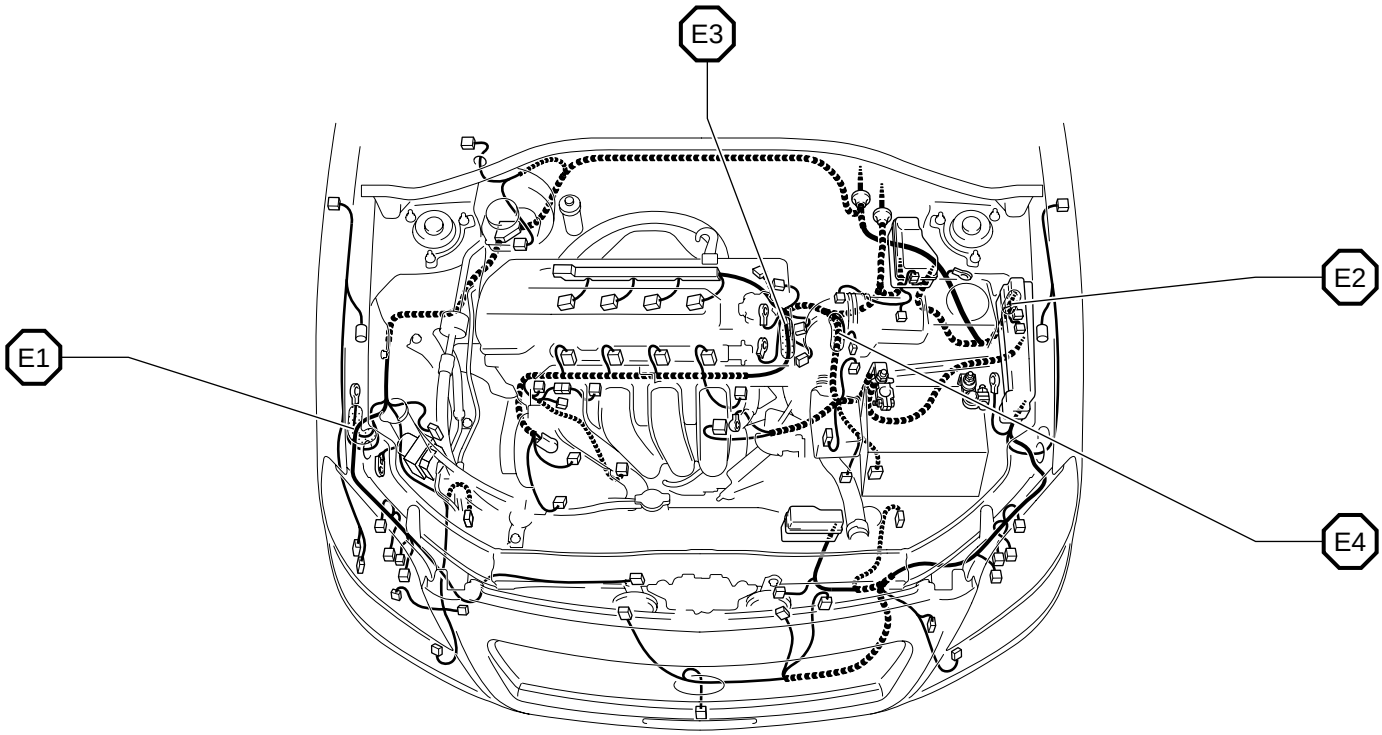
http://vnx.su

: Location of Connector Joining Wire Harness and Wire Harness
: Location of Ground Points

[RHD : 1ZZ–FE, 3ZZ–FE]



: Location of Splice Points

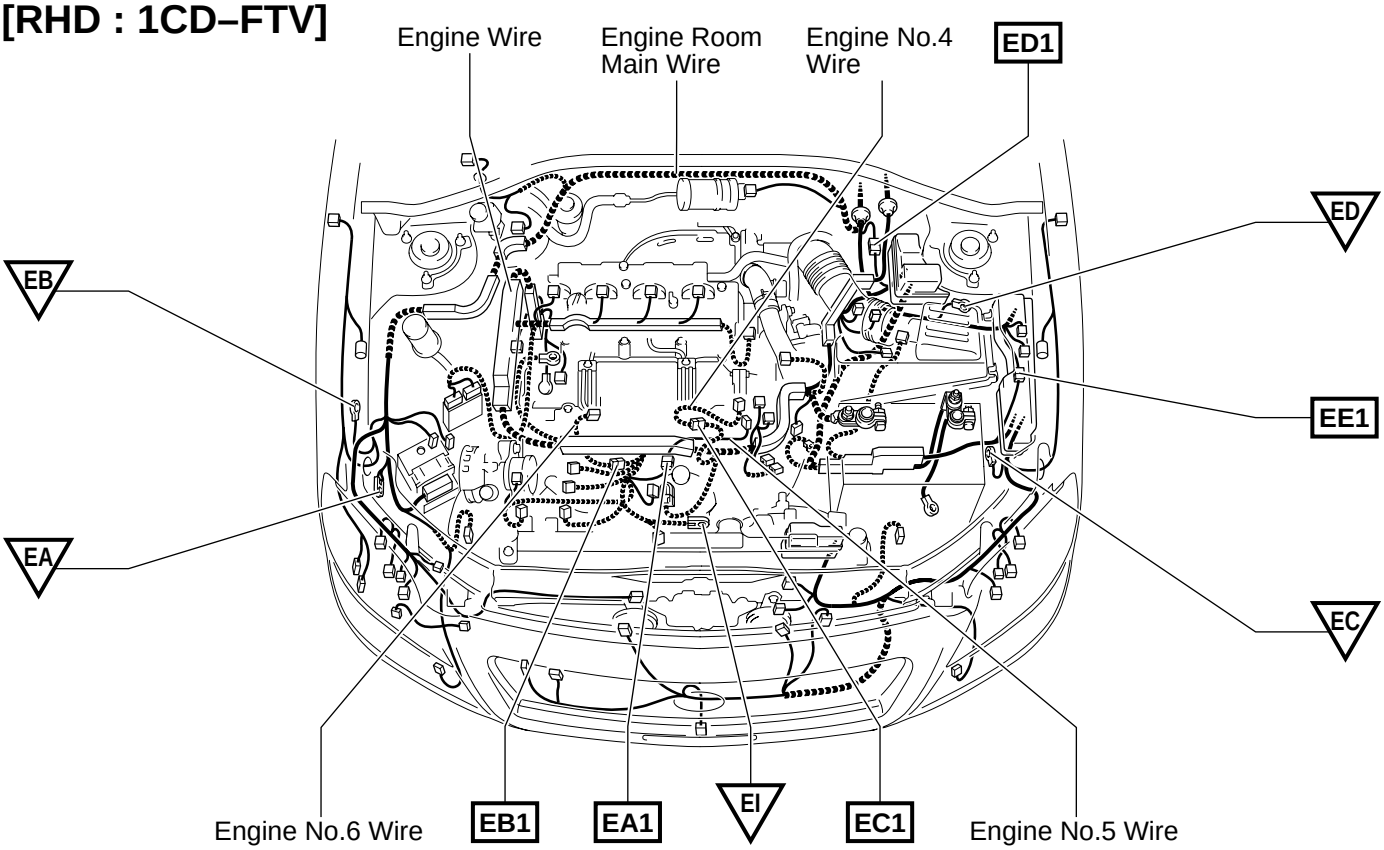


http://vnx.su

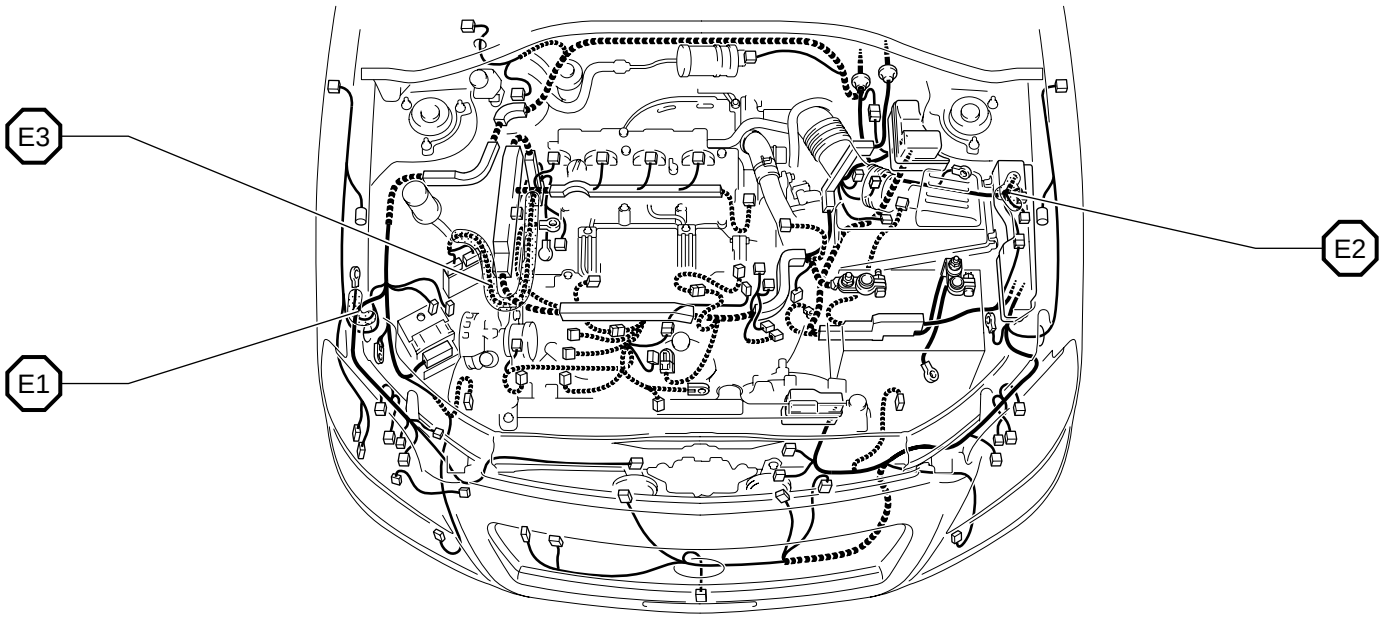
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : 1CD–FTV]



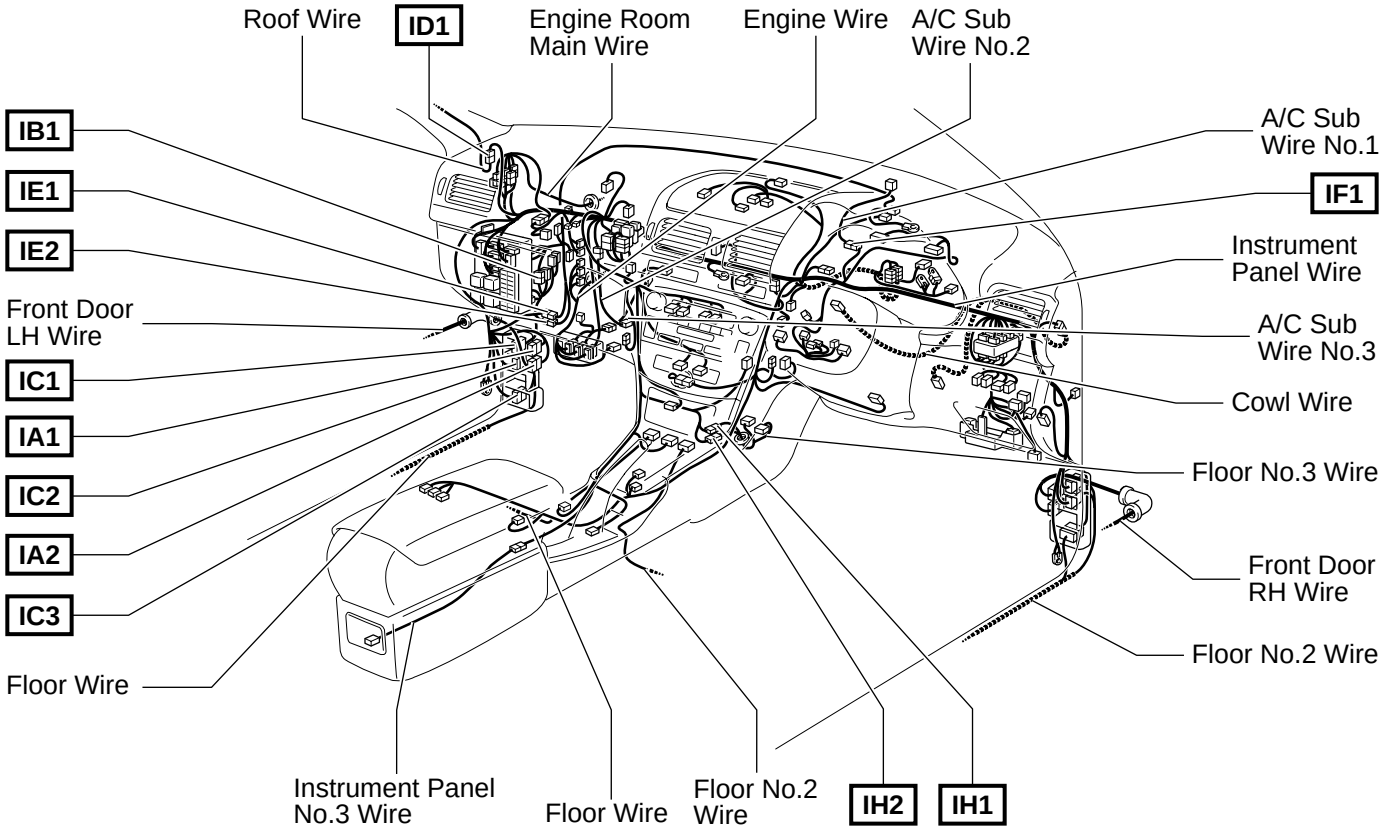
○ : Location of Splice Points



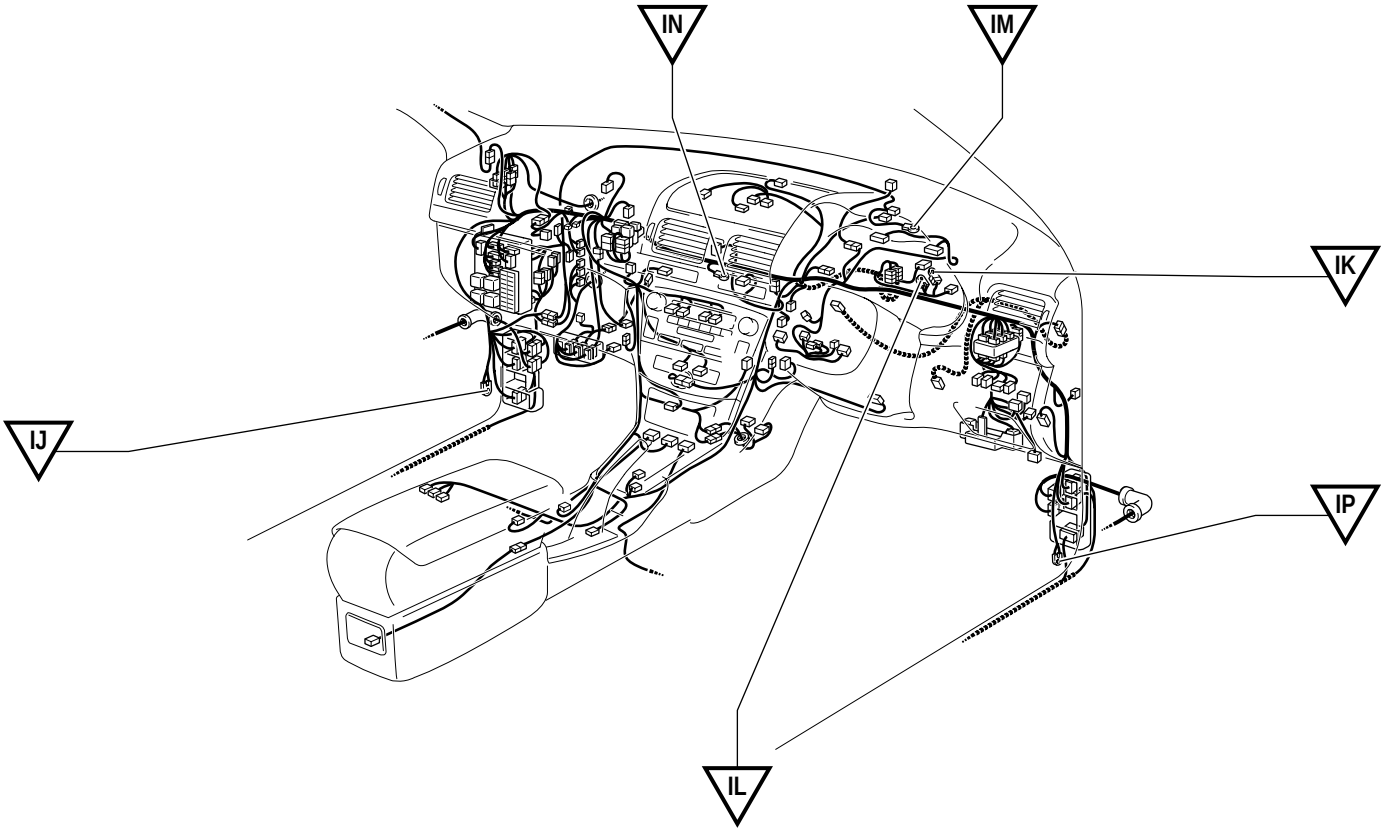
http://vnx.su

▭ : Location of Connector Joining Wire Harness and Wire Harness

[RHD]



▽ : Location of Ground Points

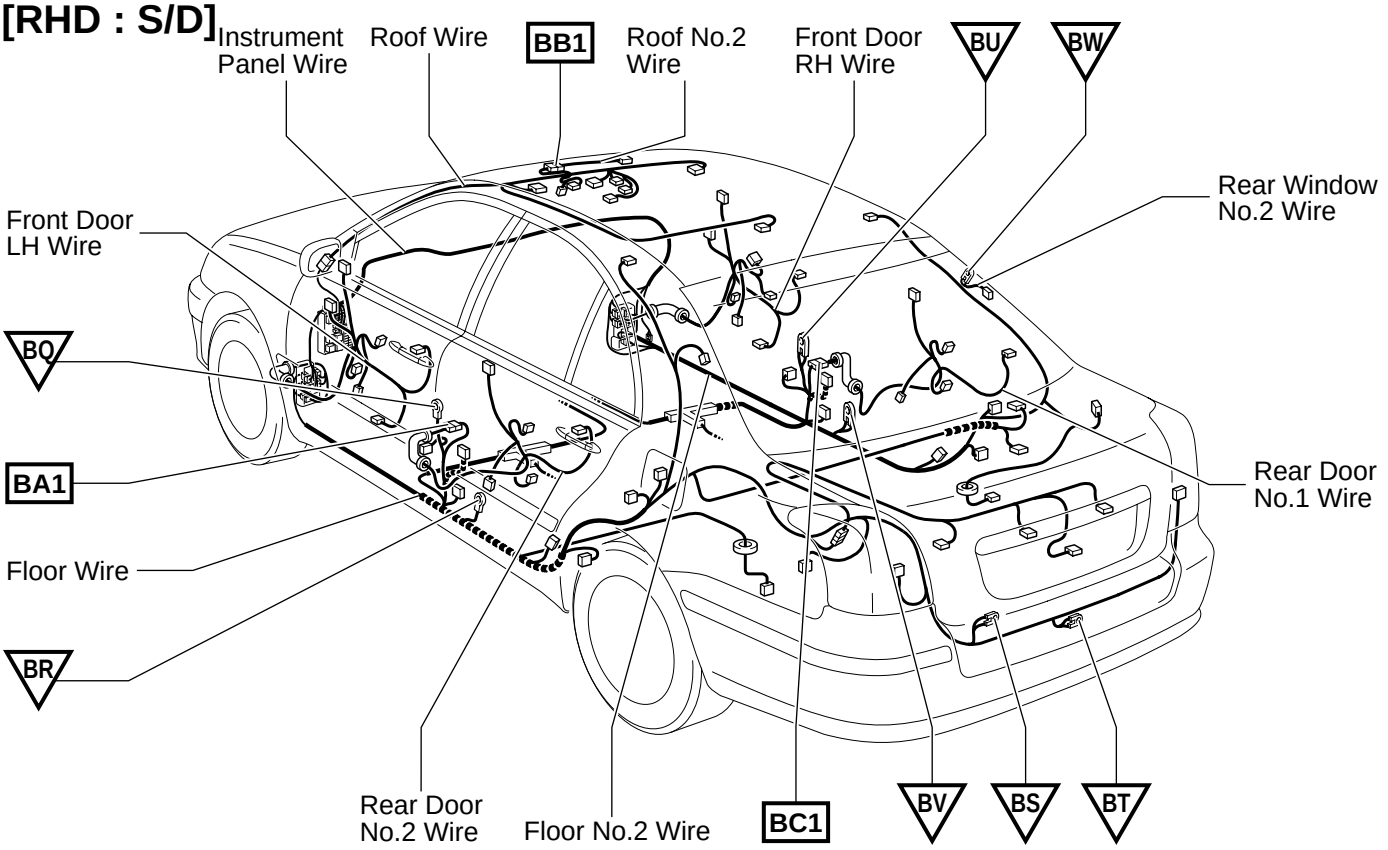


http://vnx.su

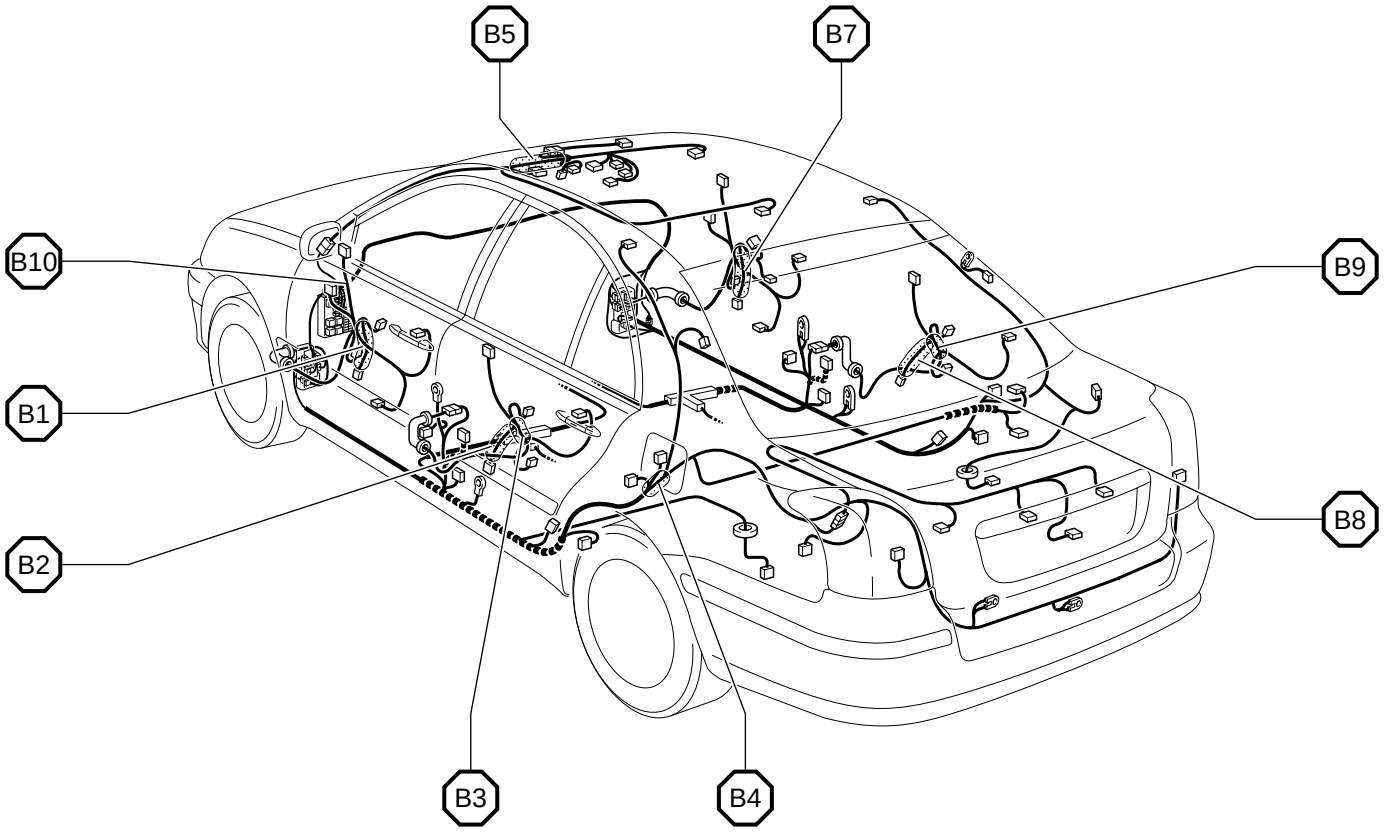
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : S/D]



○ : Location of Splice Points

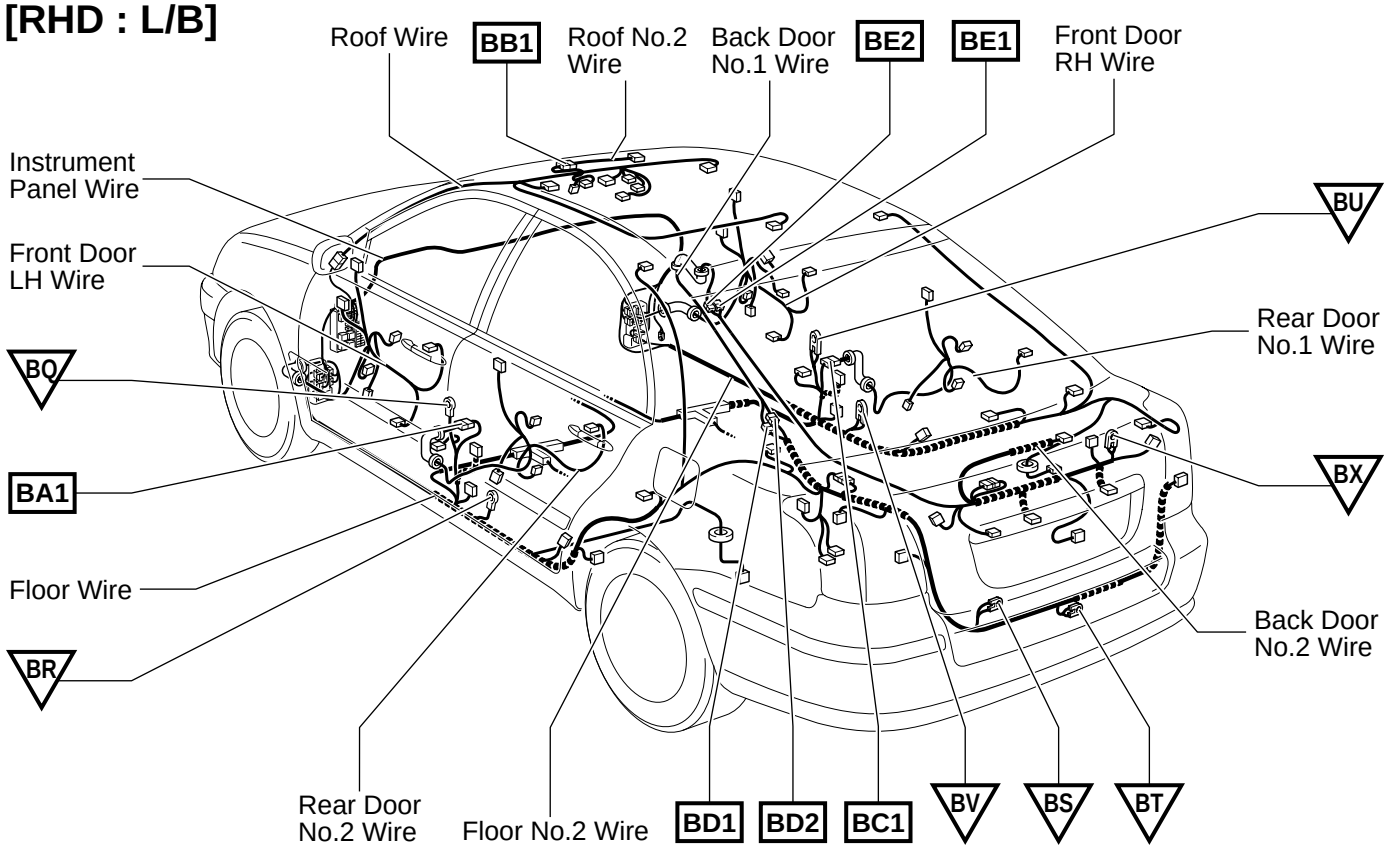


http://vnx.su

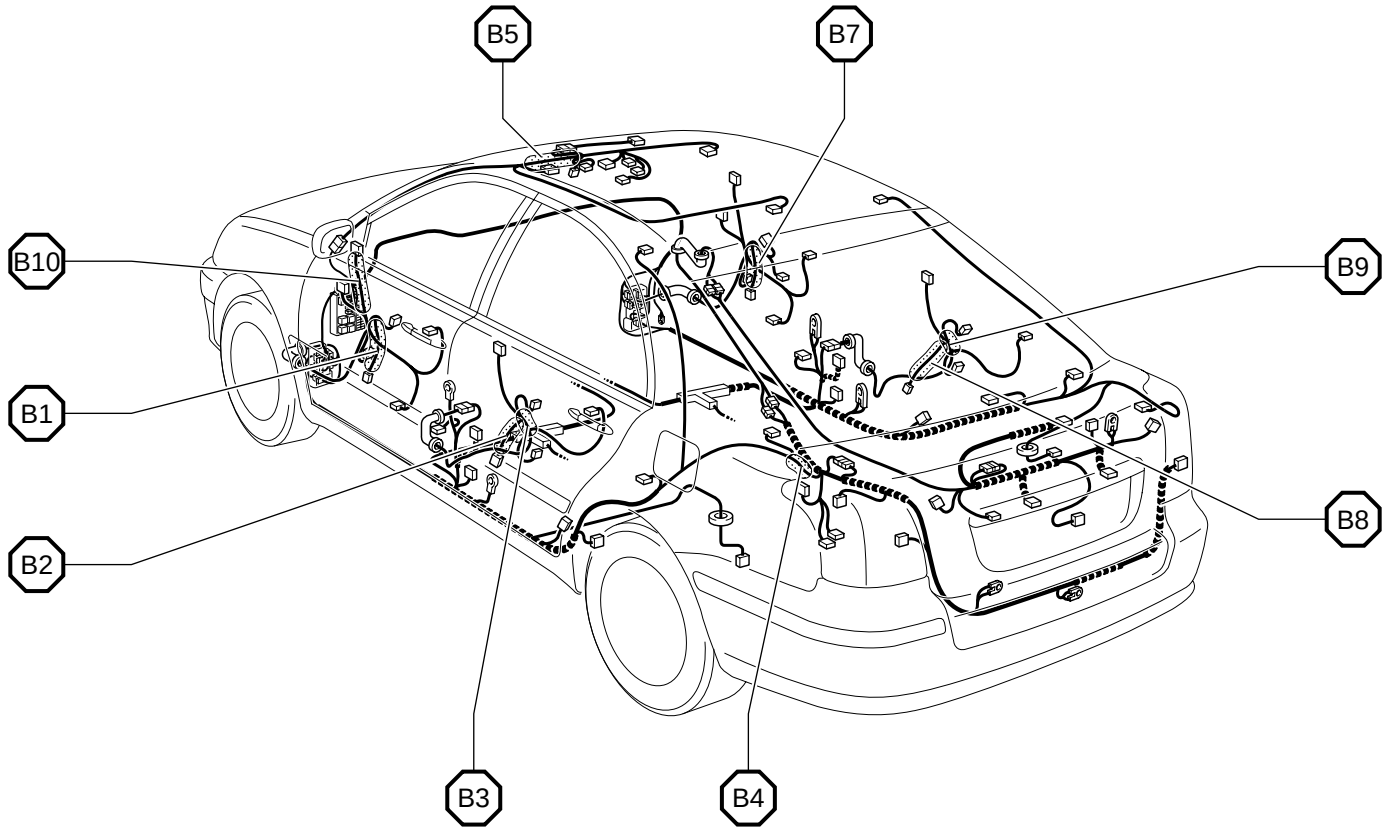
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : L/B]



○ : Location of Splice Points

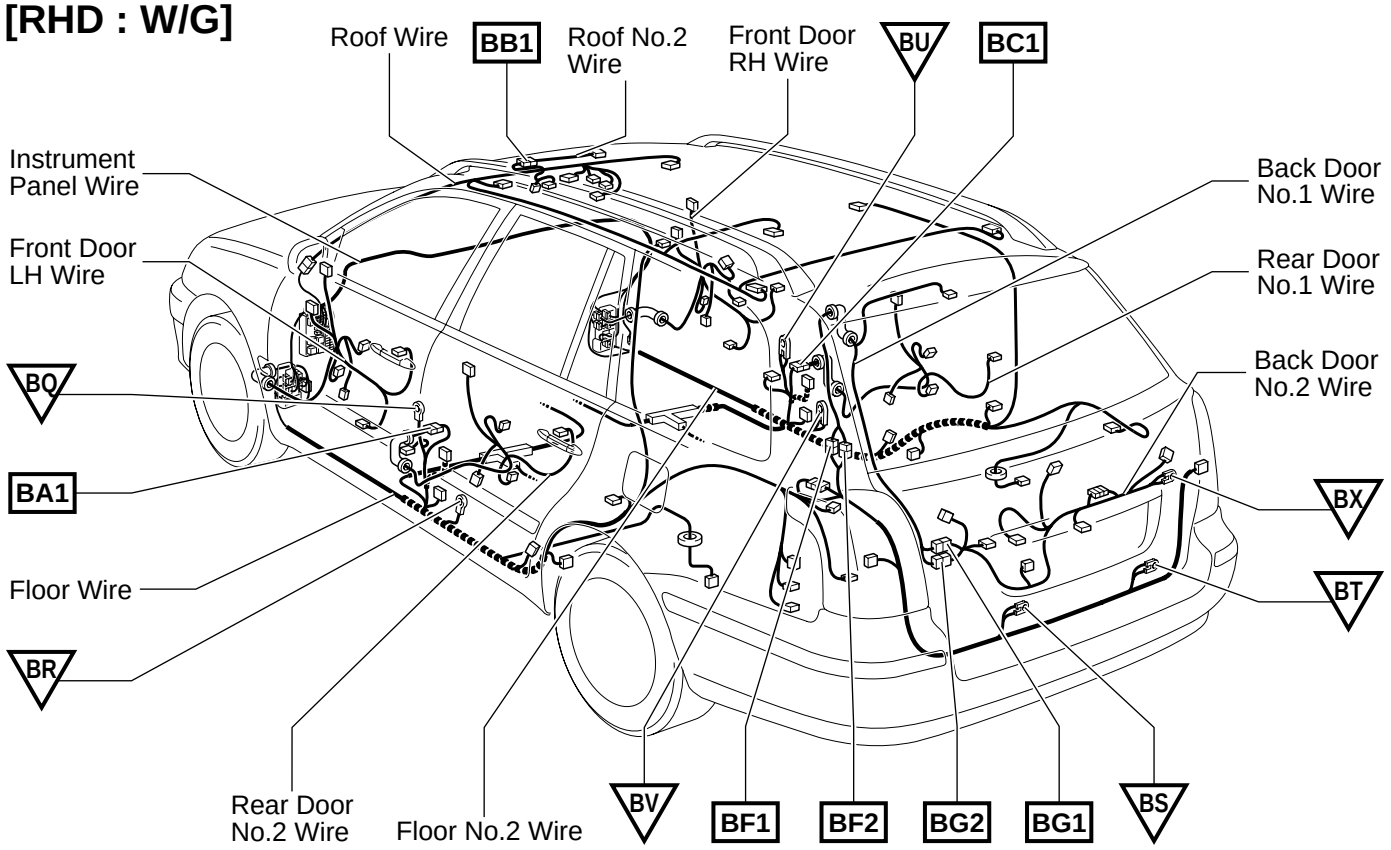


http://vnx.su

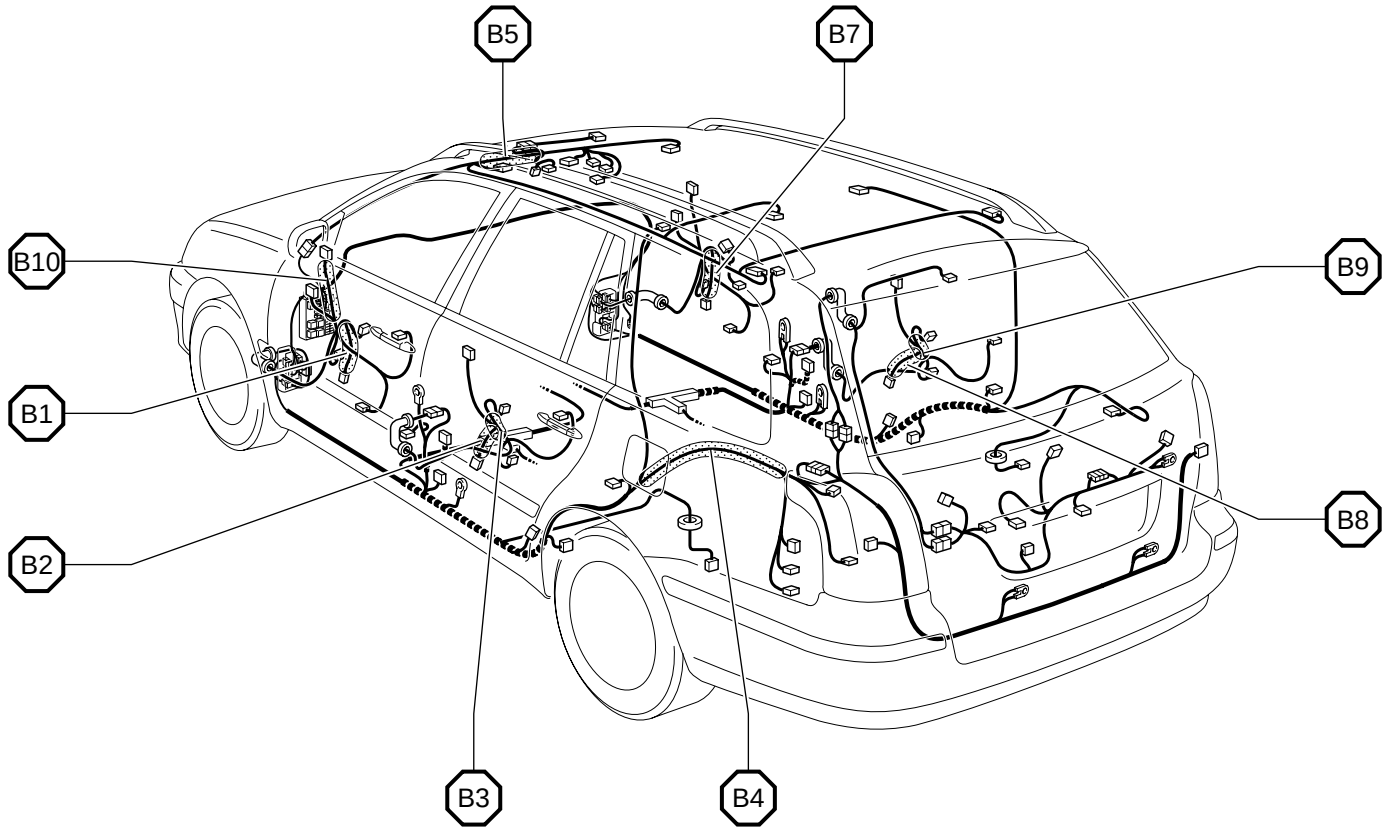
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : W/G]

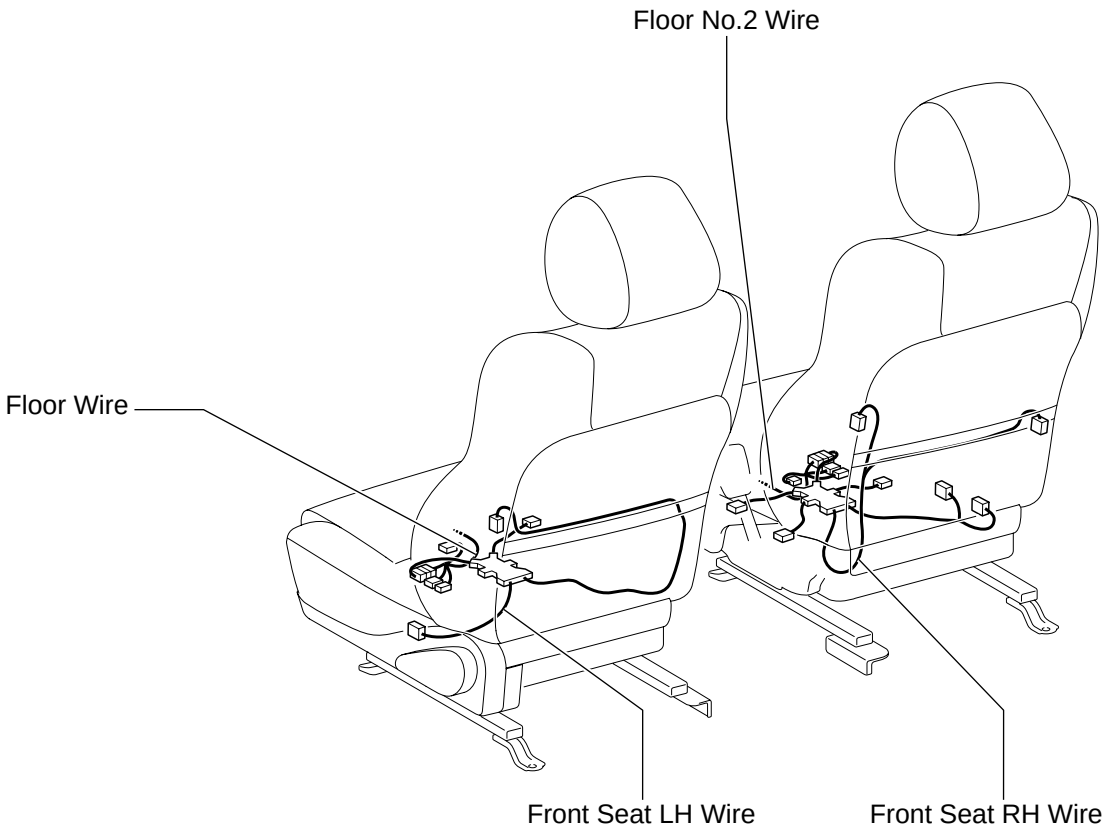


○ : Location of Splice Points

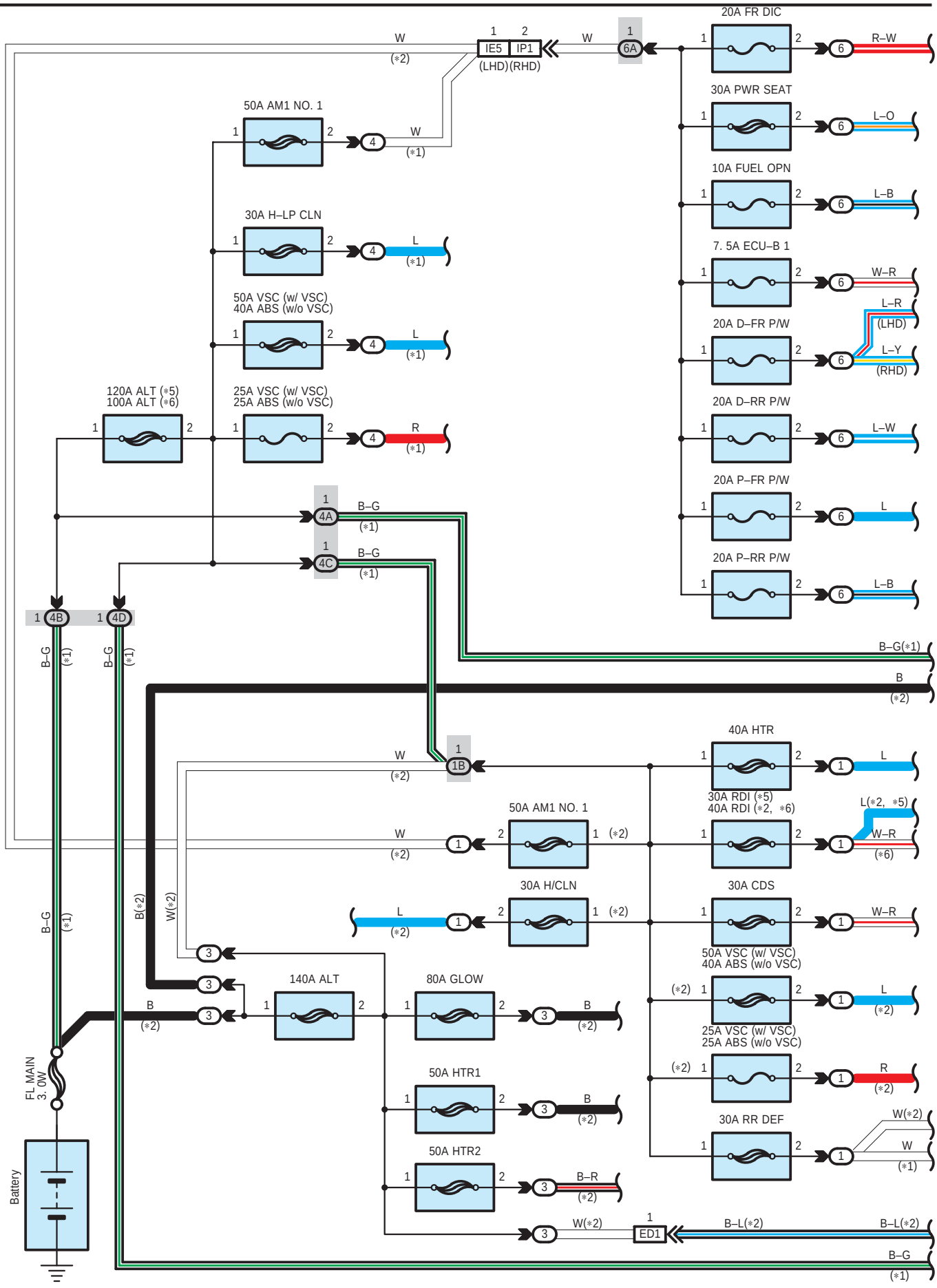


http://vnx.su

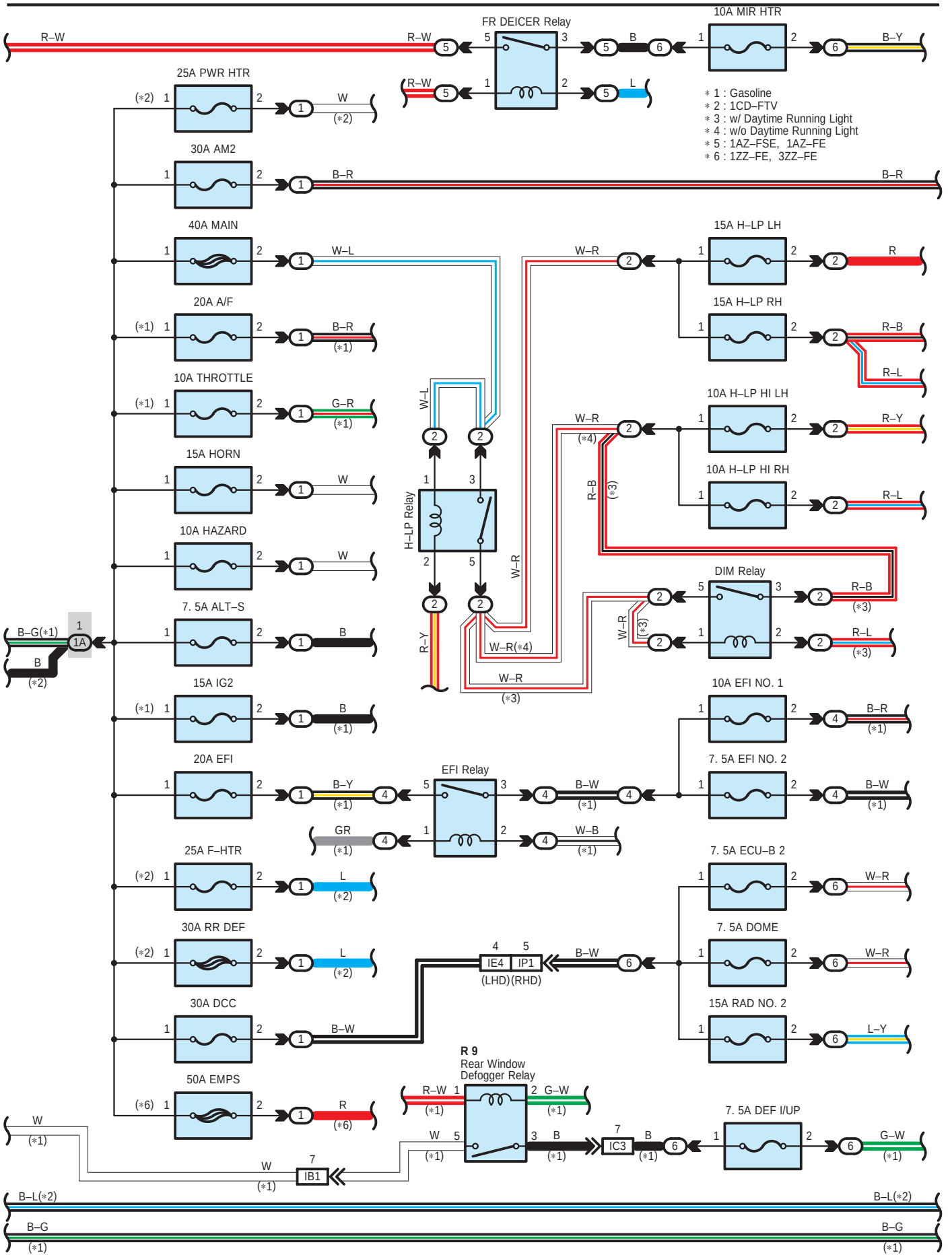
[RHD]



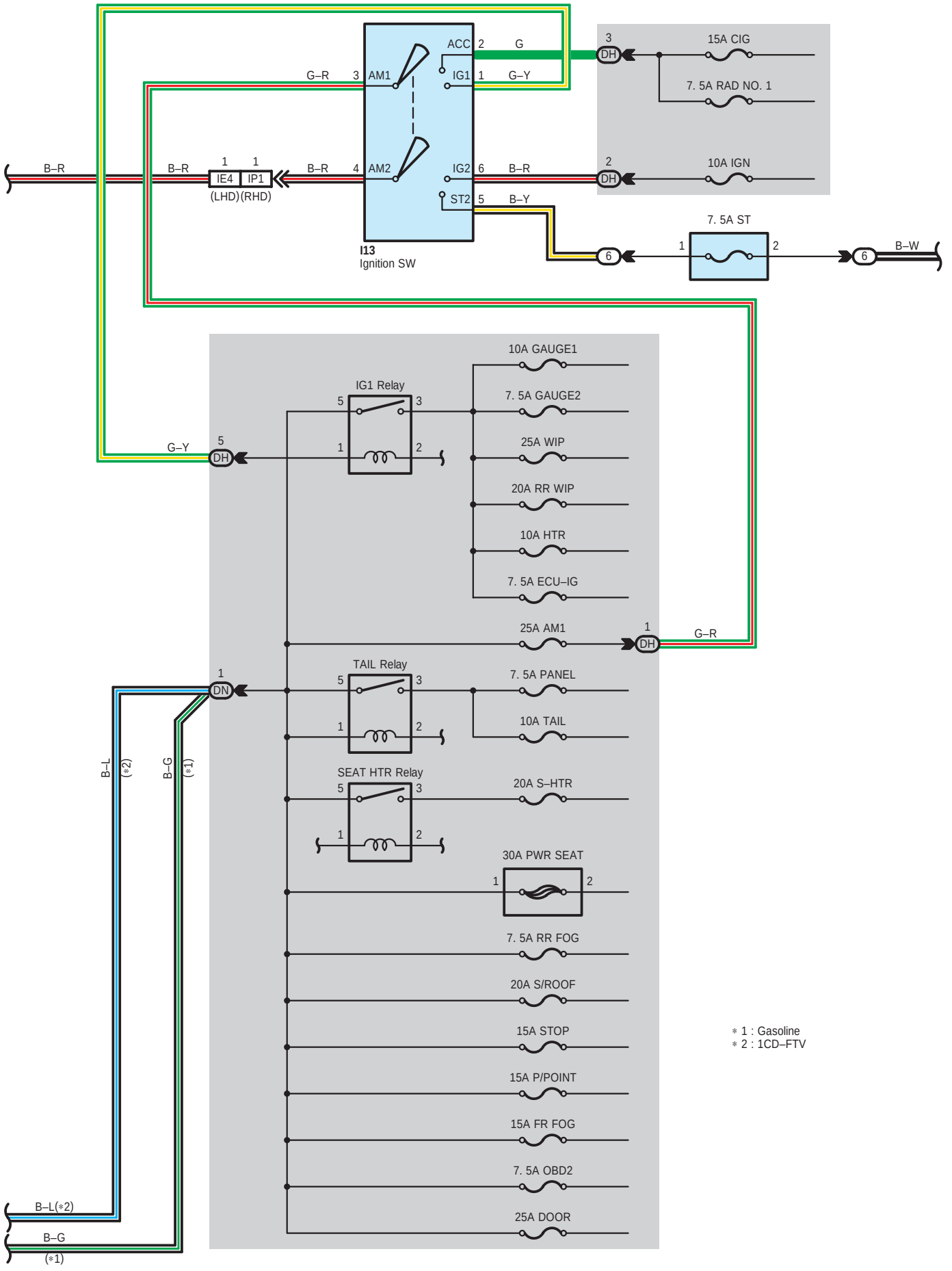
http://vnx.su


20A FR DIC
30A PWR SEAT
10A FUEL OPN
7. 5A ECU–B 1
20A D–FR P/W
20A D–RR P/W
20A P–FR P/W
20A P–RR P/W
50A AM1 NO. 1
30A H–LP CLN
50A VSC (w/ VSC)
40A ABS (w/o VSC)
120A ALT (*5)
100A ALT (*6)
25A VSC (w/ VSC)
25A ABS (w/o VSC)
IE5
IP1
(LHD)
(RHD)
6A
4A
4C
4B
4D
1B
R–W
L–O
L–B
W–R
L–R
L–Y
L–W
B–G
B–G(*1)
B
(*2)
40A HTR
30A RDI (*5)
40A RDI (*2, *6)
50A AM1 NO. 1
30A H/CLN
30A CDS
50A VSC (w/ VSC)
40A ABS (w/o VSC)
25A VSC (w/ VSC)
25A ABS (w/o VSC)
30A RR DEF
140A ALT
80A GLOW
50A HTR1
50A HTR2
B–R
W(*2)
B–L(*2)
ED1
FL MAIN
3. 0W
Battery

http://vnx.su

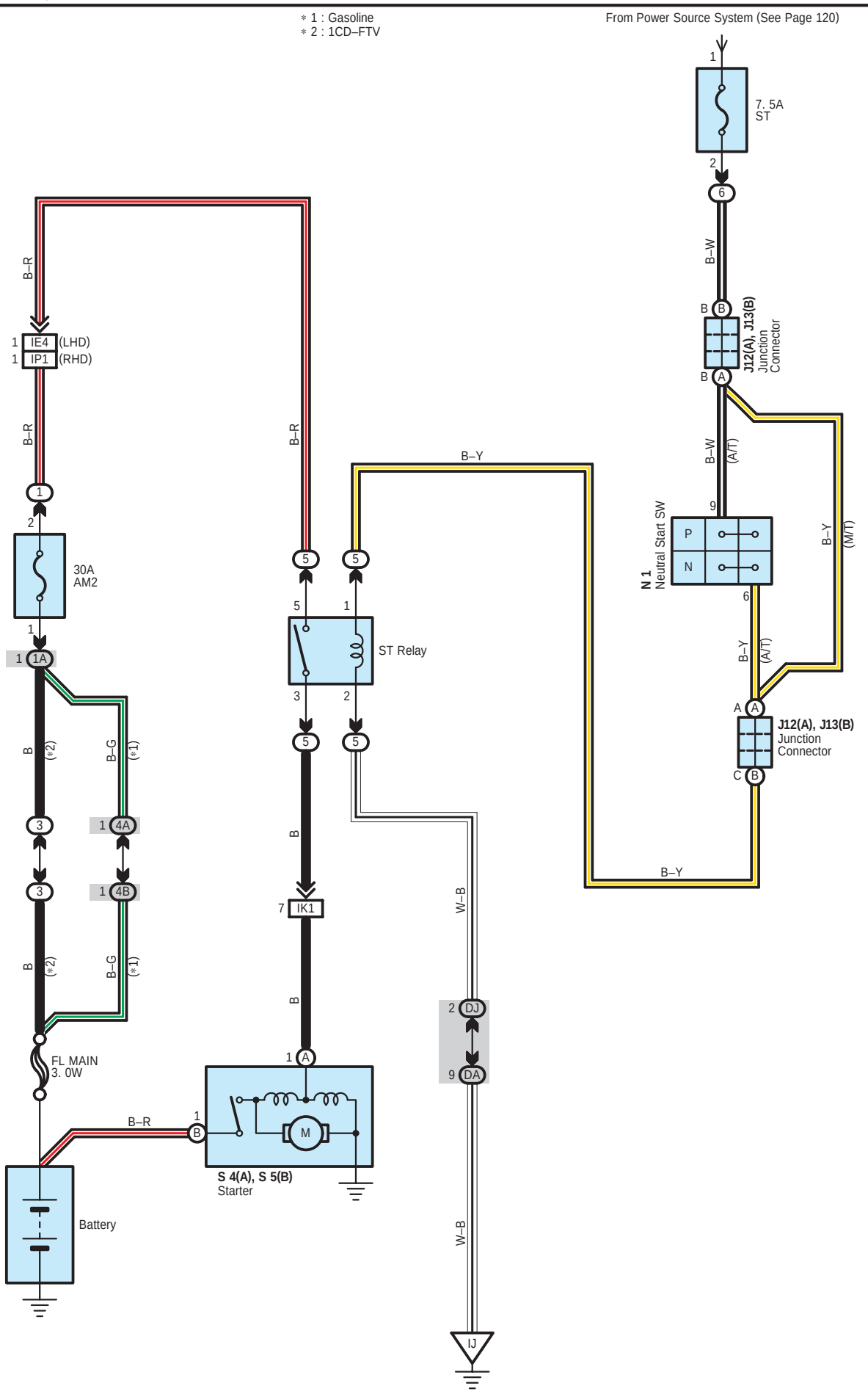

FR DEICER Relay
10A MIR HTR
25A PWR HTR
30A AM2
40A MAIN
20A A/F
10A THROTTLE
15A HORN
10A HAZARD
7. 5A ALT–S
15A IG2
20A EFI
25A F–HTR
30A RR DEF
30A DCC
50A EMPS
15A H–LP LH
15A H–LP RH
10A H–LP HI LH
10A H–LP HI RH
H–LP Relay
DIM Relay
EFI Relay
10A EFI NO. 1
7. 5A EFI NO. 2
7. 5A ECU–B 2
7. 5A DOME
15A RAD NO. 2
7. 5A DEF I/UP
R 9
Rear Window
Defogger Relay
IE4
IP1
(LHD)(RHD)
IB1
IC3
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/ Daytime Running Light
∗ 4 : w/o Daytime Running Light
∗ 5 : 1AZ–FSE, 1AZ–FE
∗ 6 : 1ZZ–FE, 3ZZ–FE

http://vnx.su

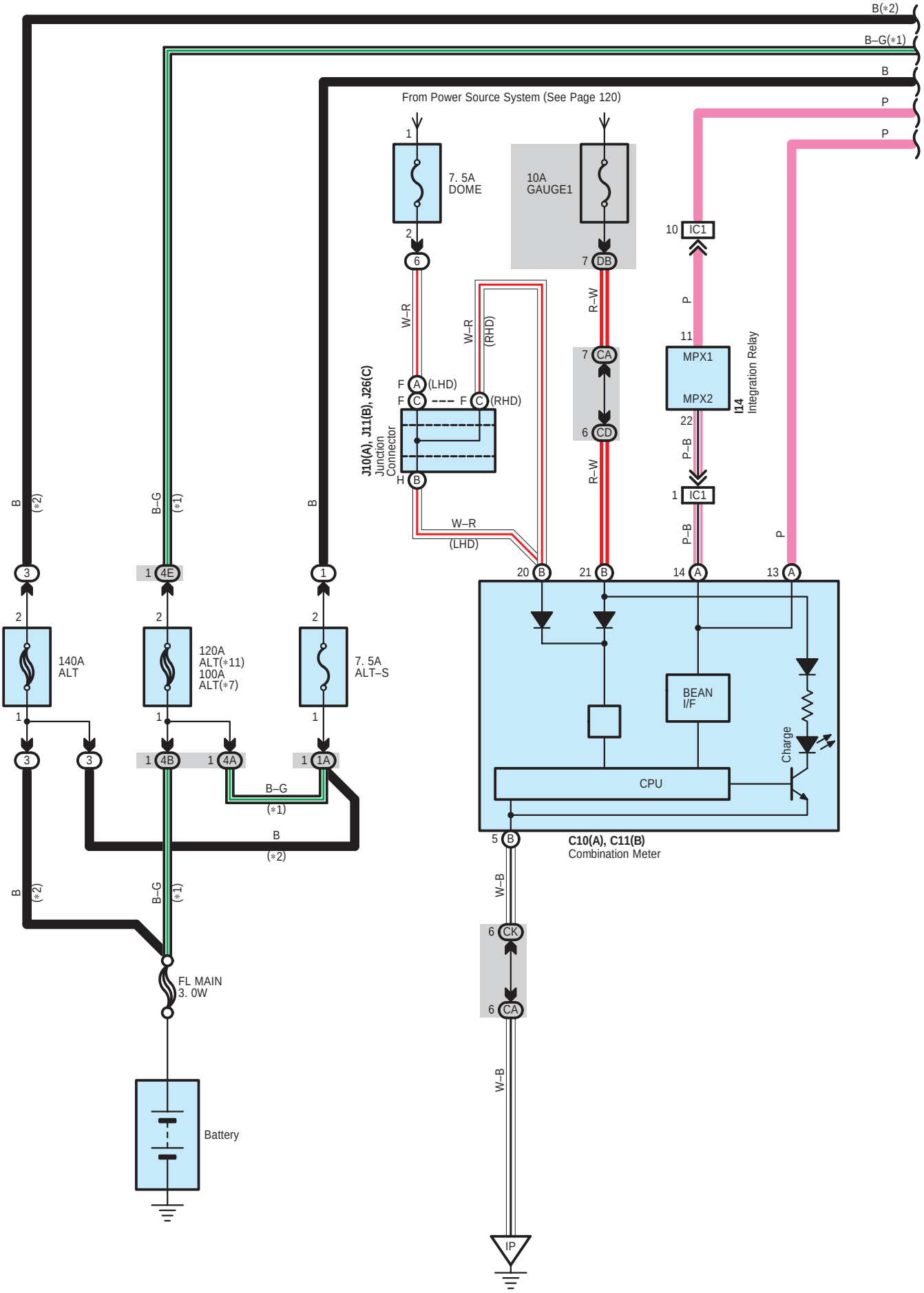


* 1 : Gasoline
* 2 : 1CD–FTV

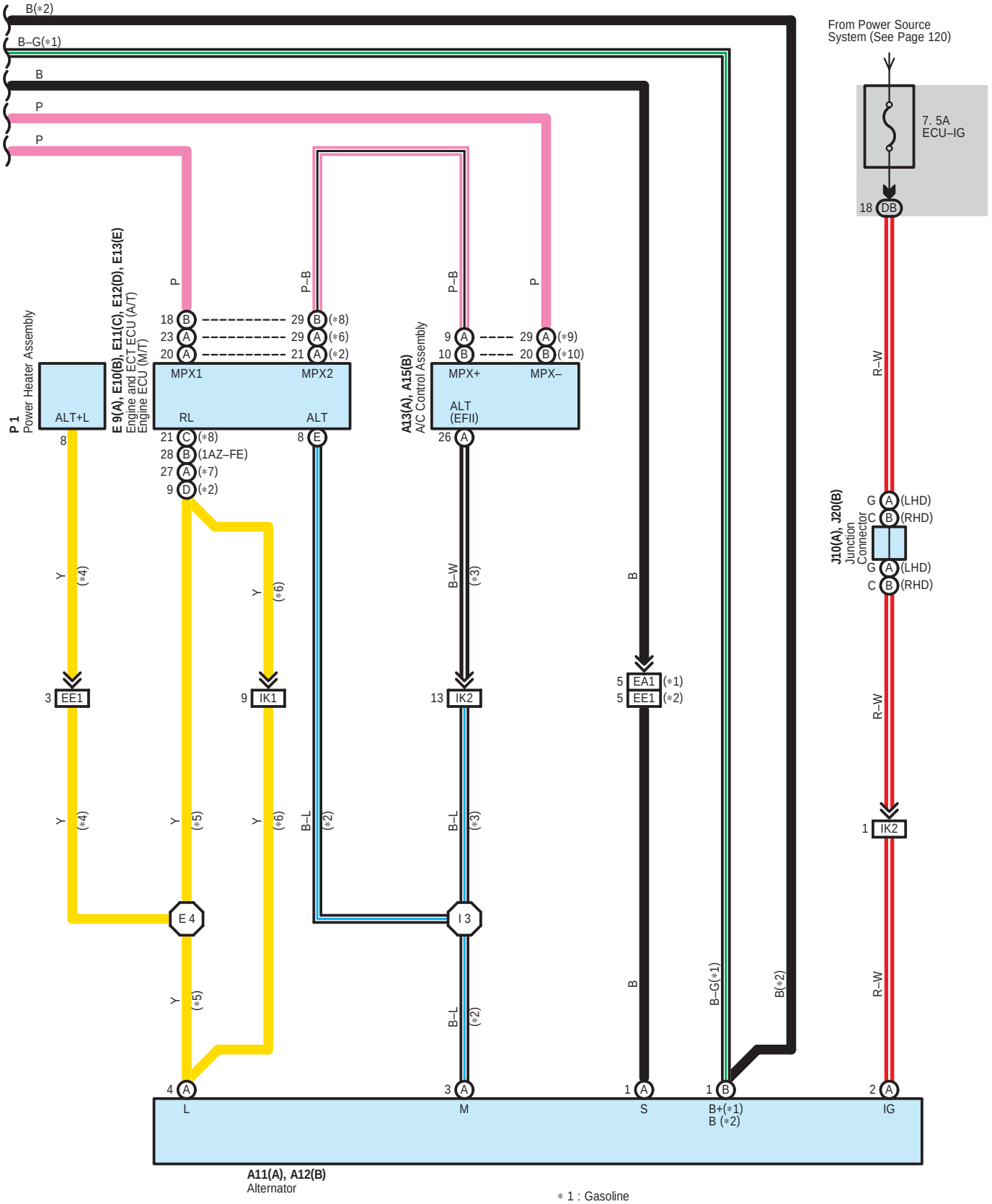
http://vnx.su


* 1 : Gasoline
* 2 : 1CD–FTV
From Power Source System (See Page 120)
7. 5A
ST
B–W
J12(A), J13(B)
Junction
Connector
B–W
(A/T)
N 1
Neutral Start SW
P
N
B–Y
(M/T)
B–Y
(A/T)
J12(A), J13(B)
Junction
Connector
B–Y
B–R
IE4 (LHD)
IP1 (RHD)
30A
AM2
1A
4A
4B
B
B–G
(*1)
(*2)
FL MAIN
3. 0W
ST Relay
IK1
W–B
DJ
DA
IJ
B–R
Battery
S 4(A), S 5(B)
Starter
M

http://vnx.su


B(*2)
B–G(*1)
B
P
P
From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
IC1
MPX1
MPX2
I14
Integration Relay
W–R
(RHD)
R–W
P
P–B
J10(A), J11(B), J26(C)
Junction
Connector
(LHD)
W–R
(LHD)
140A
ALT
120A
ALT(*11)
100A
ALT(*7)
7. 5A
ALT–S
B–G
(*1)
B
(*2)
FL MAIN
3. 0W
Battery
BEAN
I/F
CPU
Charge
C10(A), C11(B)
Combination Meter
W–B
IP

http://vnx.su

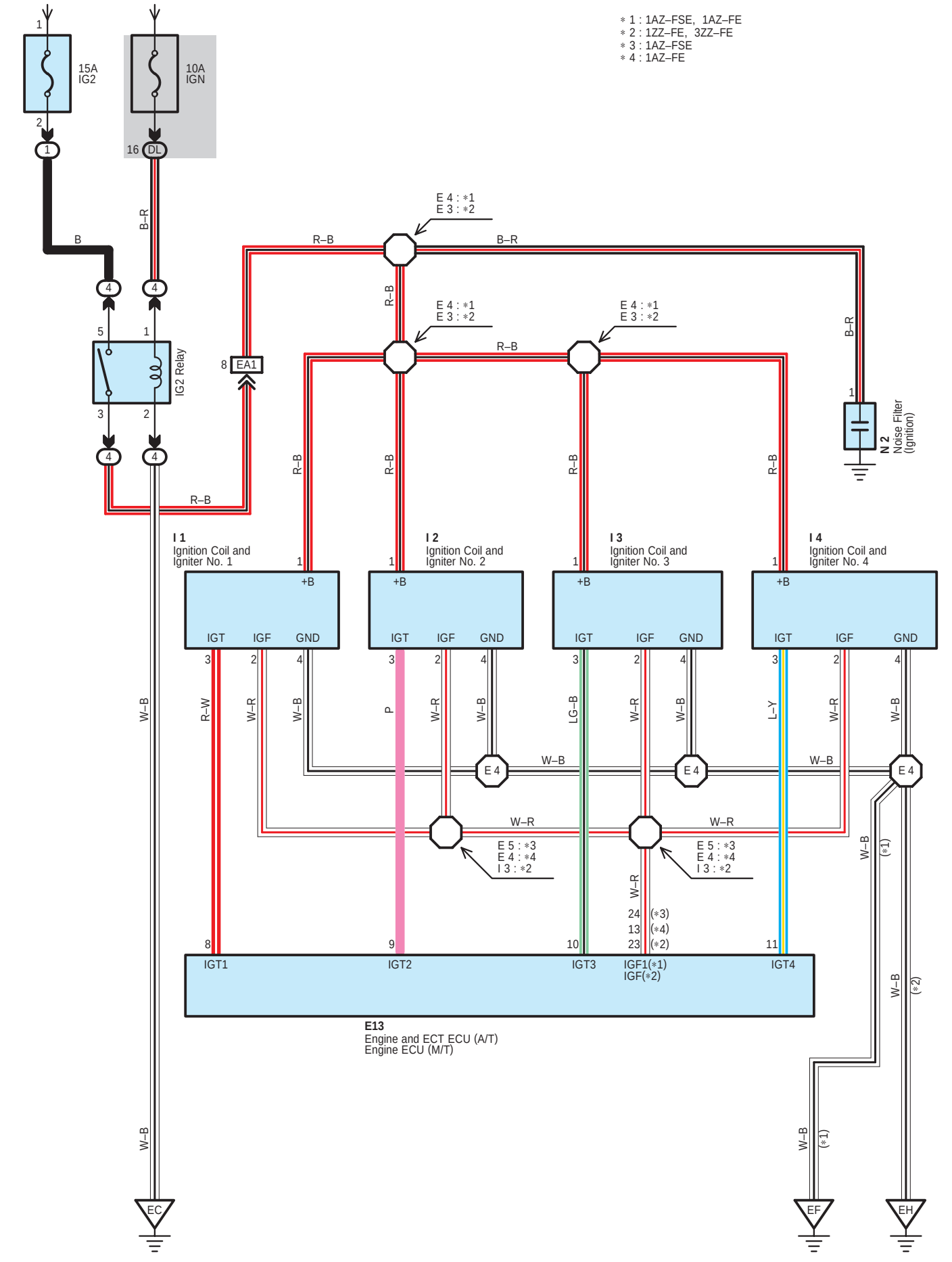


* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 1AZ–FSE, 1CD–FTV
* 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : 1AZ–FSE
* 9 : Except Automatic A/C
*10 : Automatic A/C
*11 : 1AZ–FSE, 1AZ–FE

http://vnx.su

Ignition

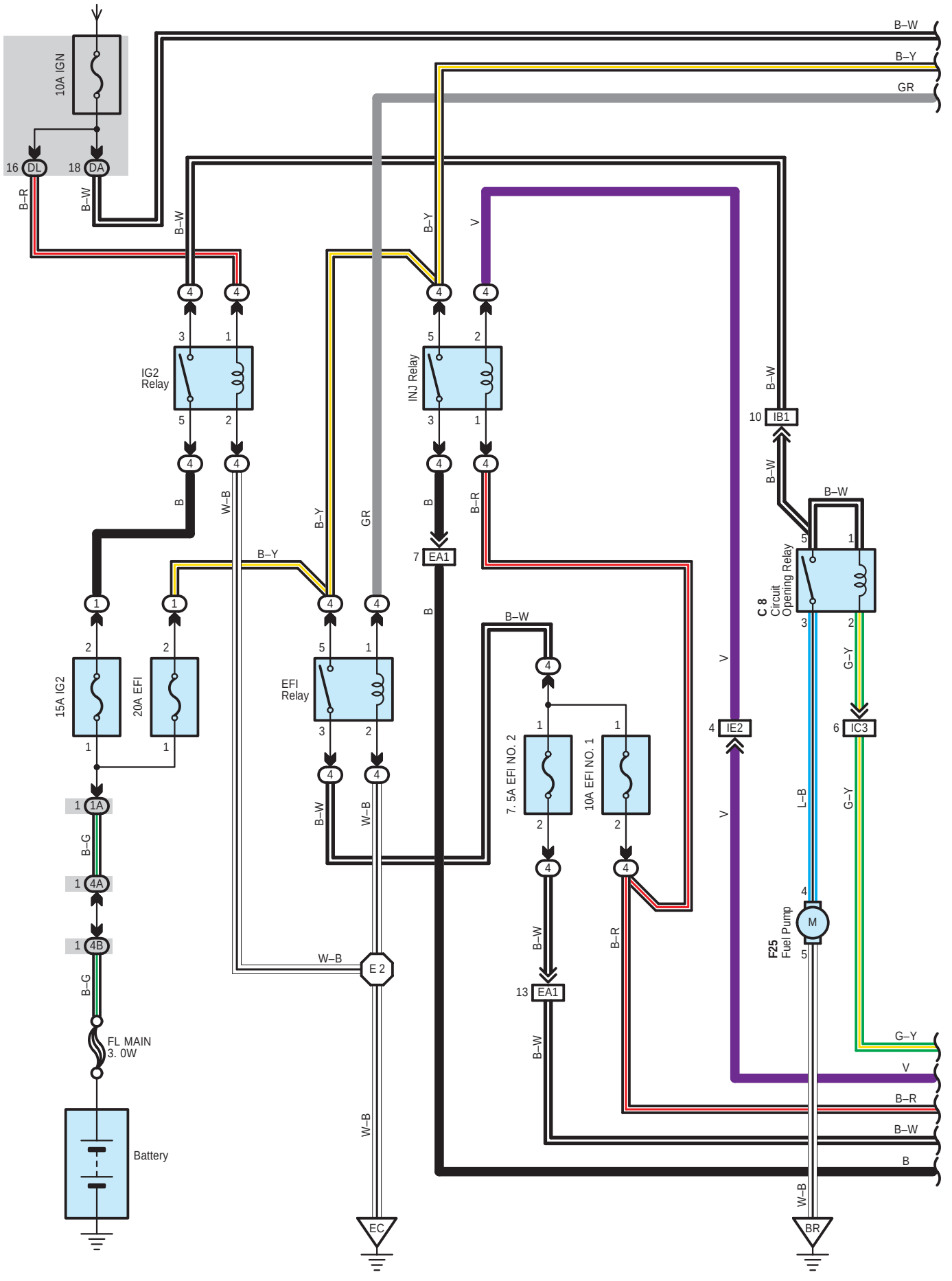
From Power Source System (See Page 120)



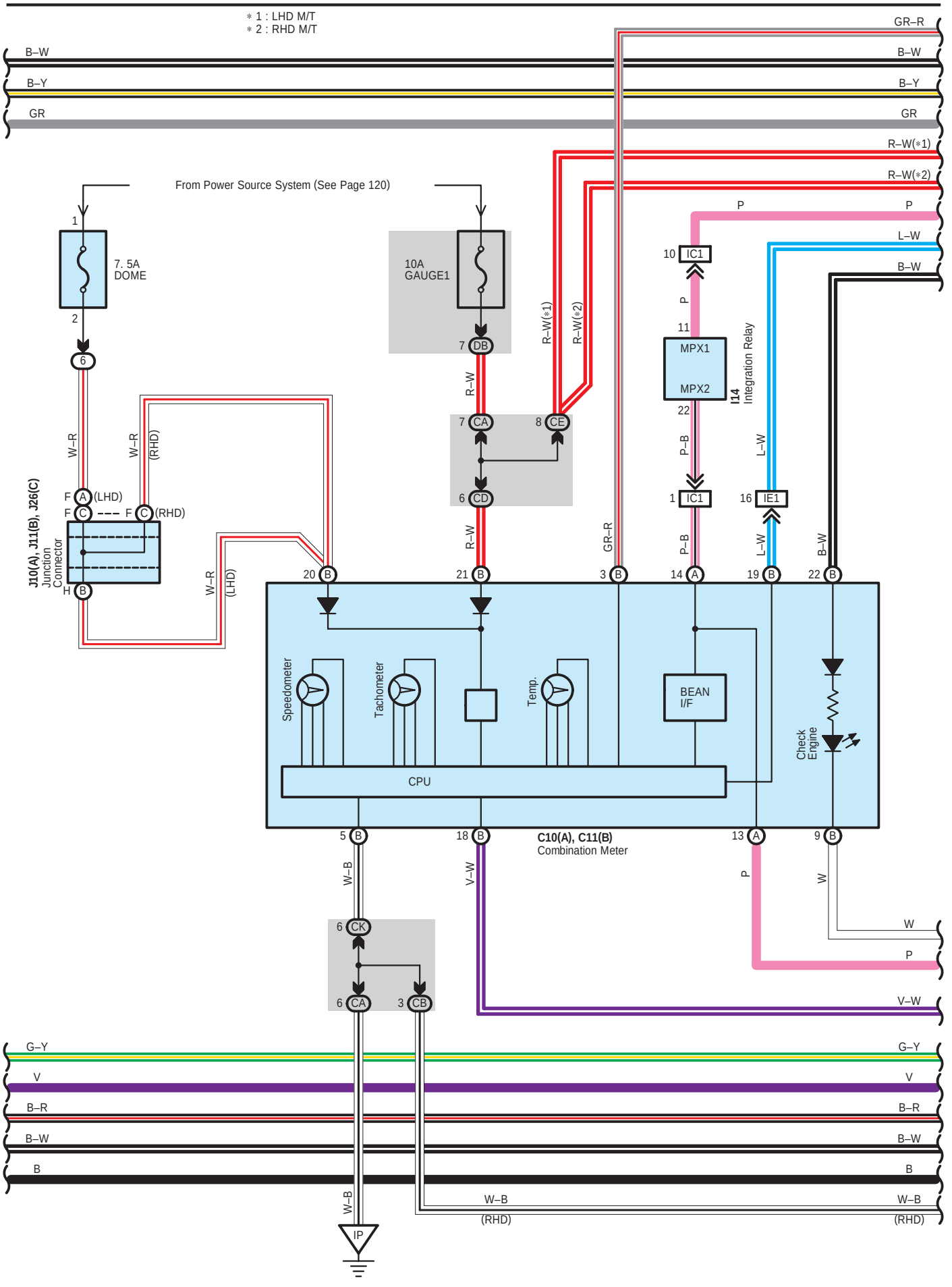
http://vnx.su

Engine Control (1AZ–FSE)

From Power Source System (See Page 120)

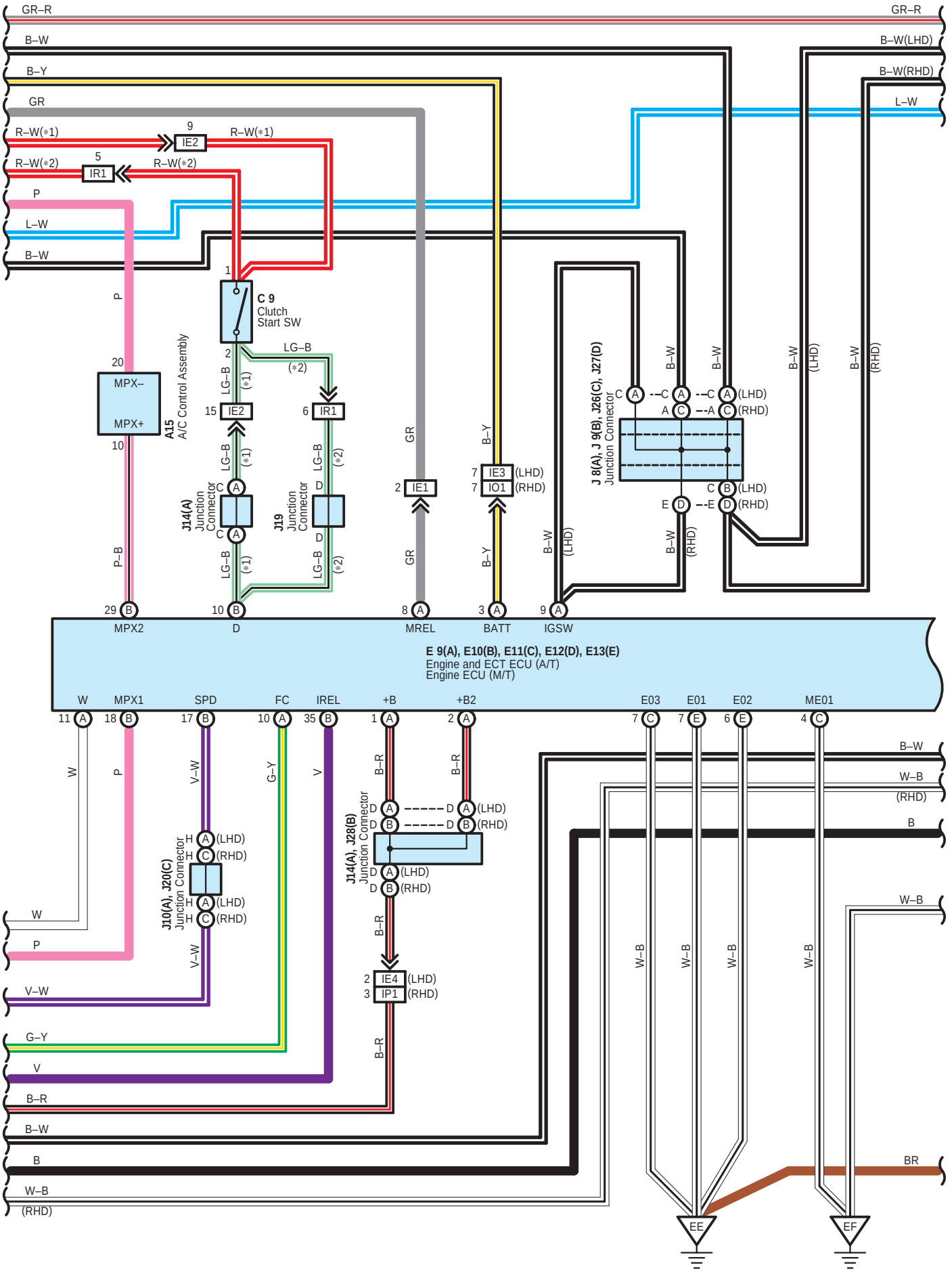


http://vnx.su

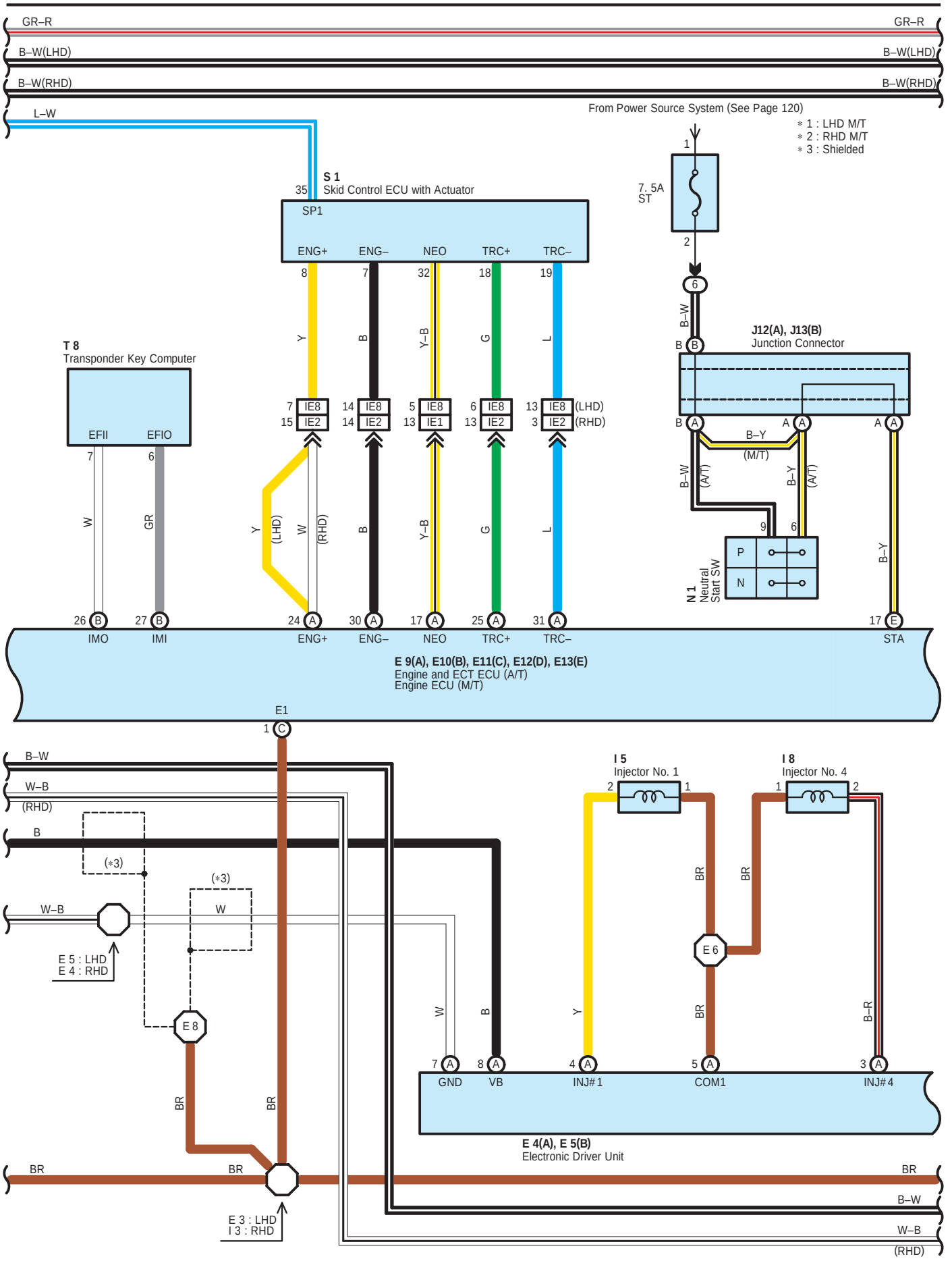

∗1 : LHD M/T
∗2 : RHD M/T
From Power Source System (See Page 120)
7. 5A DOME
10A GAUGE1
J10(A), J11(B), J26(C) Junction Connector
I14 Integration Relay
MPX1
MPX2
IC1
IE1
BEAN I/F
CPU
Speedometer
Tachometer
Temp.
Check Engine
C10(A), C11(B) Combination Meter
IP
GR–R
B–W
B–Y
GR
R–W(∗1)
R–W(∗2)
P
L–W
W–R
W–R (RHD)
W–R (LHD)
R–W
GR–R
P–B
L–W
B–W
W–B
V–W
W
G–Y
V
B–R
B
W–B (RHD)

http://vnx.su

Engine Control (1AZ–FSE)

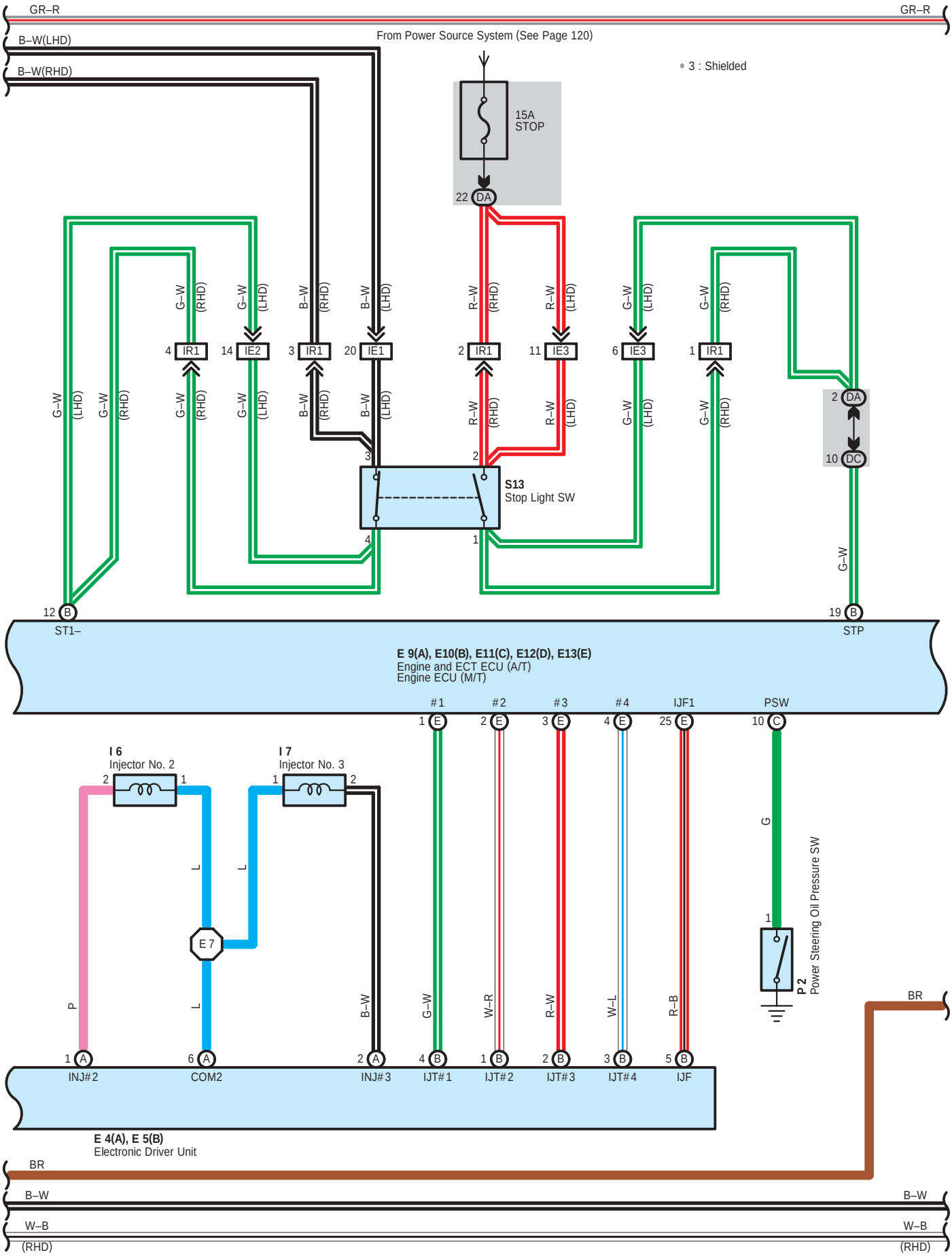


http://vnx.su

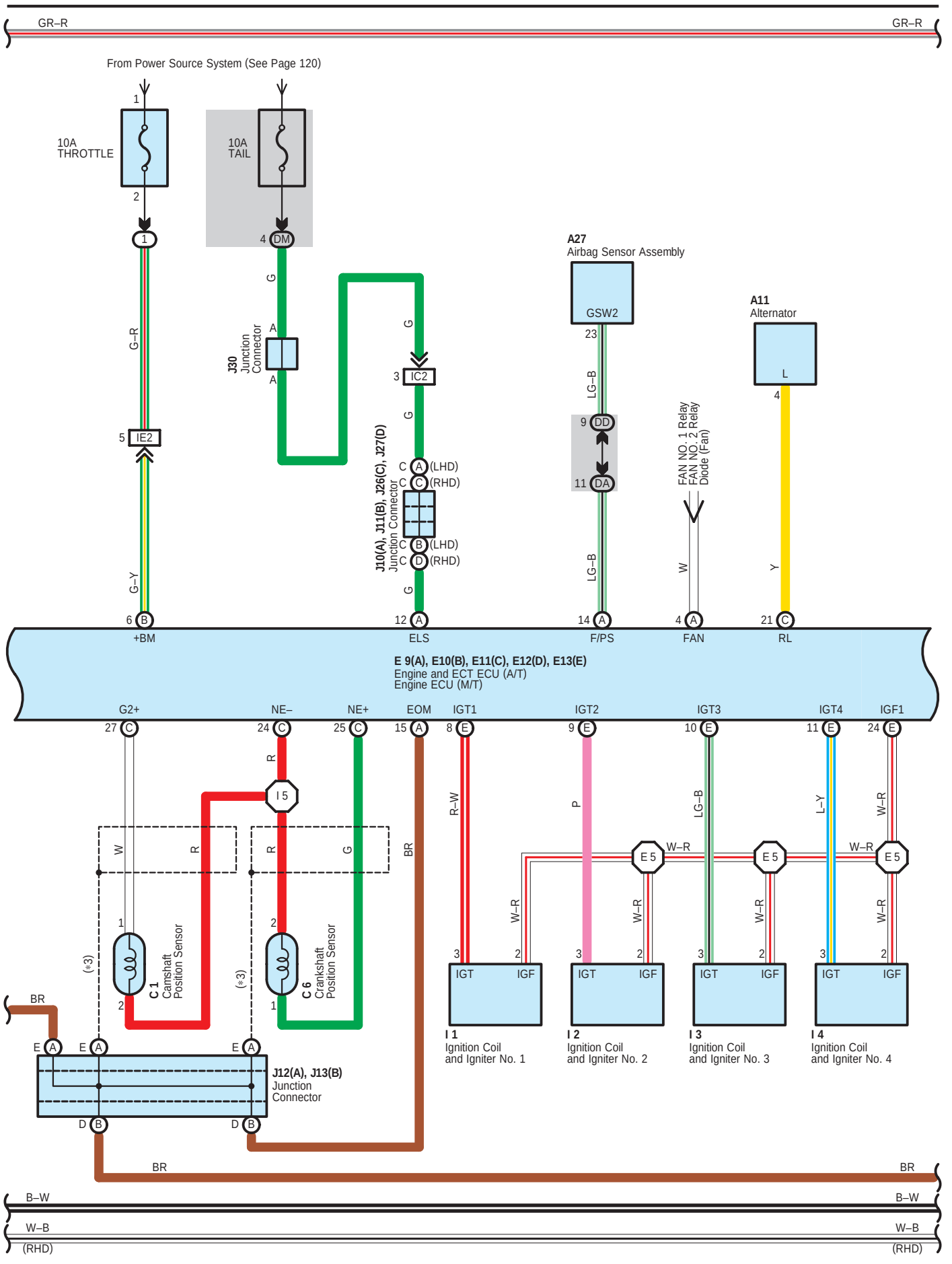

GR–R
GR–R
B–W(LHD)
B–W(LHD)
B–W(RHD)
B–W(RHD)
L–W
From Power Source System (See Page 120)
* 1 : LHD M/T
* 2 : RHD M/T
* 3 : Shielded
S 1
Skid Control ECU with Actuator
35
SP1
ENG+
ENG–
NEO
TRC+
TRC–
8
7
32
18
19
Y
B
Y–B
G
L
7. 5A
ST
1
2
6
B–W
B
B
J12(A), J13(B)
Junction Connector
T 8
Transponder Key Computer
EFII
EFIO
7
6
W
GR
7 IE8 15 IE2
14 IE8 14 IE2
5 IE8 13 IE1
6 IE8 13 IE2
13 IE8 (LHD)
3 IE2 (RHD)
Y
(LHD)
W
(RHD)
B
Y–B
G
L
B–Y
(M/T)
B–W
(A/T)
B–Y
(A/T)
9
6
P
N
N 1
Neutral
Start SW
B–Y
26 B
27 B
24 A
30 A
17 A
25 A
31 A
17 E
IMO
IMI
ENG+
ENG–
NEO
TRC+
TRC–
STA
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
E1
1 C
B–W
W–B
(RHD)
B
(*3)
(*3)
W–B
W
E 5 : LHD
E 4 : RHD
E 8
BR
BR
I 5
Injector No. 1
I 8
Injector No. 4
2
1
1
2
BR
BR
E 6
BR
B–R
W
B
Y
7 A
8 A
4 A
5 A
3 A
GND
VB
INJ# 1
COM1
INJ# 4
E 4(A), E 5(B)
Electronic Driver Unit
BR
BR
BR
B–W
W–B
(RHD)
E 3 : LHD
I 3 : RHD

http://vnx.su

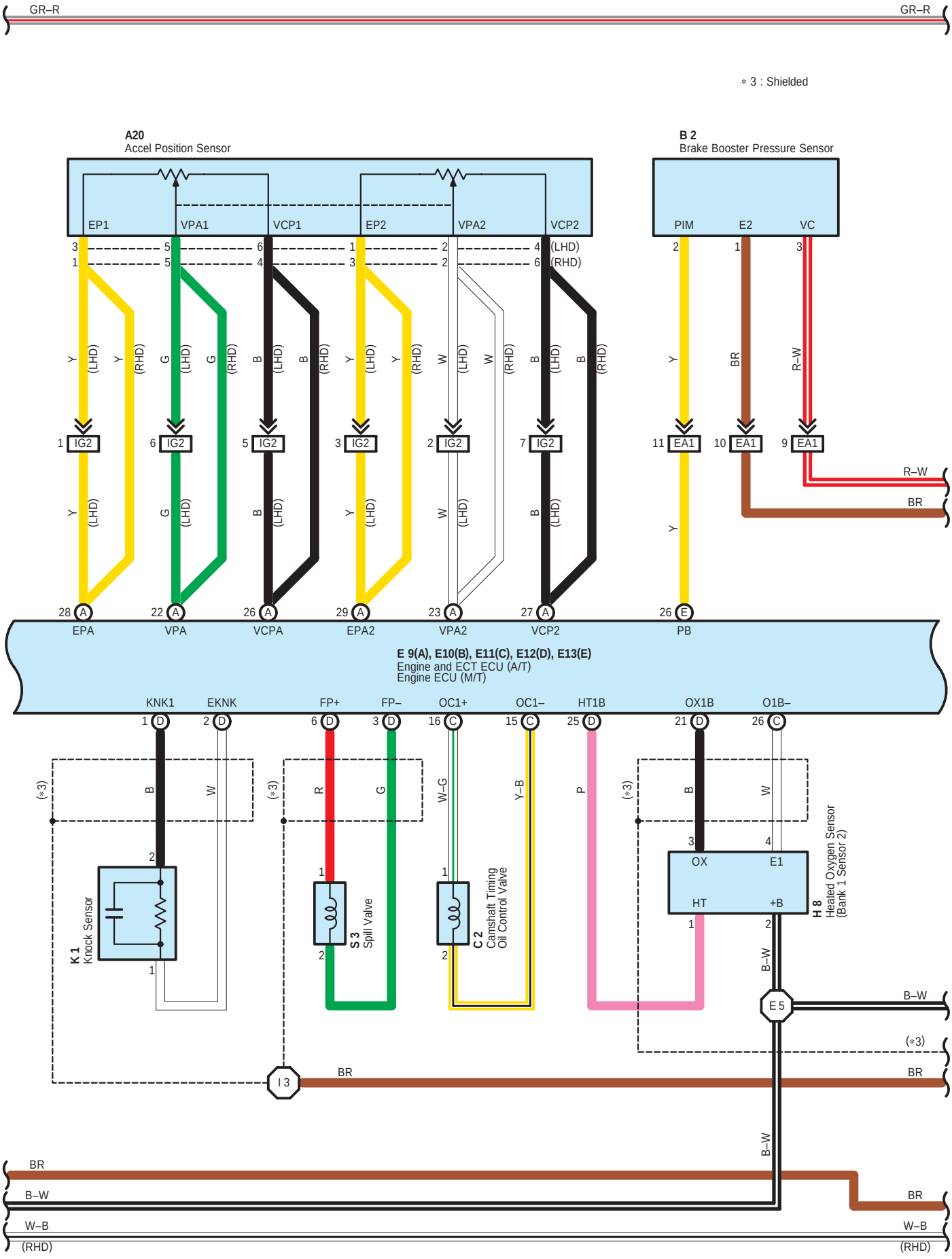
Engine Control (1AZ–FSE)



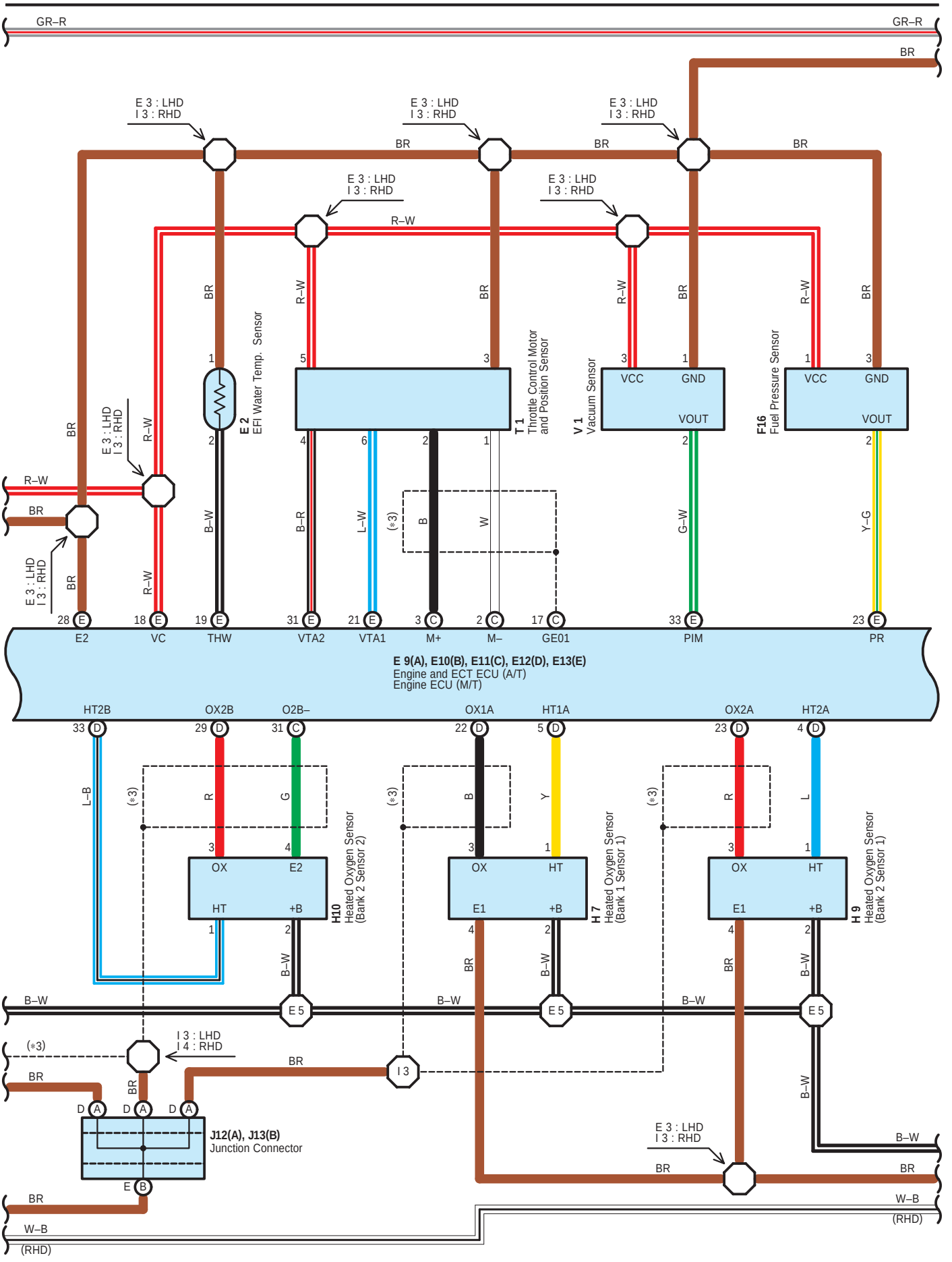
http://vnx.su


GR–R
GR–R
From Power Source System (See Page 120)
10A THROTTLE
10A TAIL
J30 Junction Connector
A27 Airbag Sensor Assembly
GSW2
A11 Alternator
FAN NO. 1 Relay
FAN NO. 2 Relay
Diode (Fan)
J10(A), J11(B), J26(C), J27(D) Junction Connector
+BM
ELS
F/PS
FAN
RL
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
G2+
NE–
NE+
EOM
IGT1
IGT2
IGT3
IGT4
IGF1
C 1 Camshaft Position Sensor
C 6 Crankshaft Position Sensor
J12(A), J13(B) Junction Connector
I 1 Ignition Coil and Igniter No. 1
I 2 Ignition Coil and Igniter No. 2
I 3 Ignition Coil and Igniter No. 3
I 4 Ignition Coil and Igniter No. 4
IGT
IGF
B–W
W–B
(RHD)

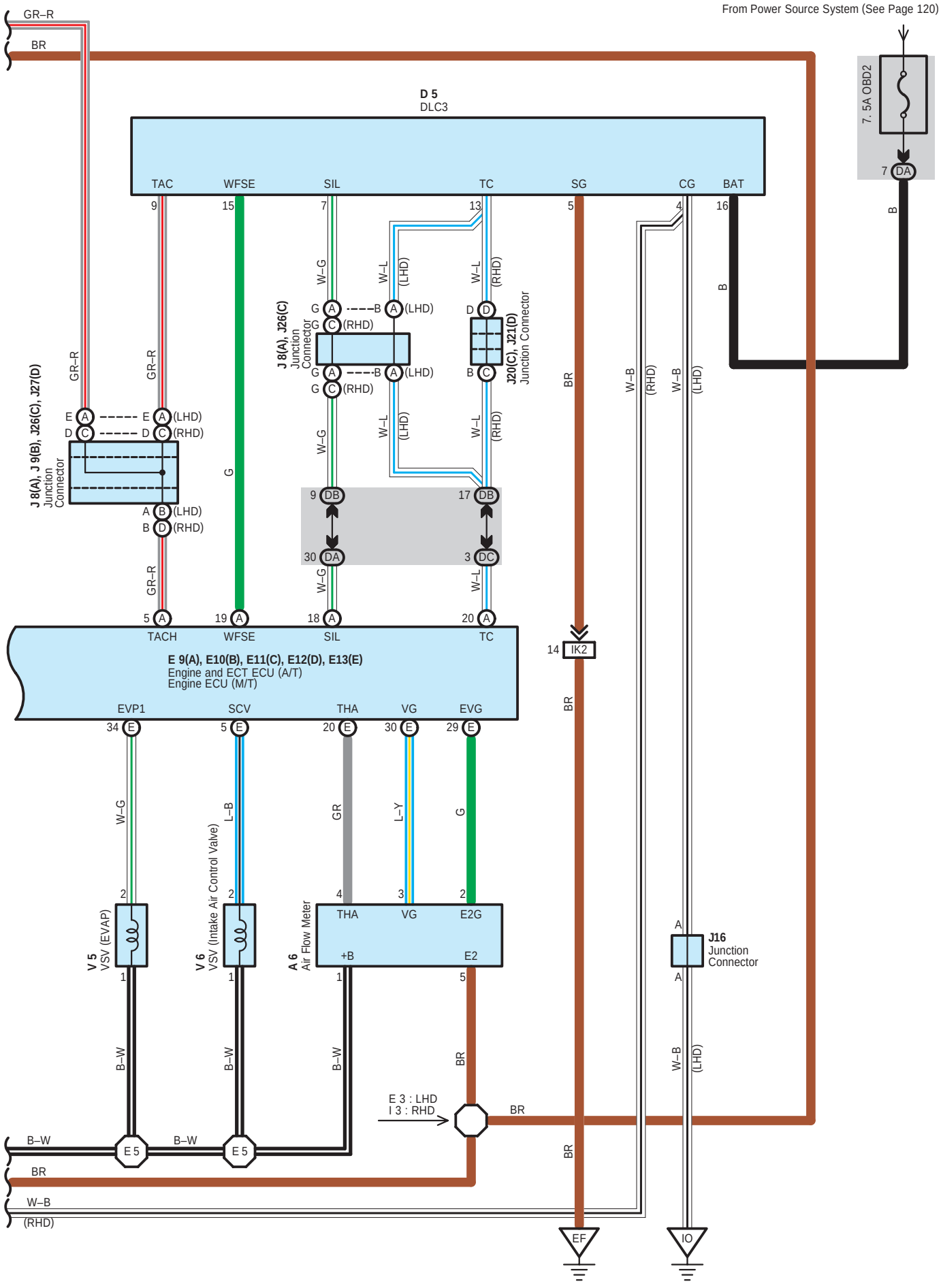
http://vnx.su


GR–R
GR–R
∗3 : Shielded
A20
Accel Position Sensor
EP1
VPA1
VCP1
EP2
VPA2
VCP2
(LHD)
(RHD)
B 2
Brake Booster Pressure Sensor
PIM
E2
VC
IG2
EA1
R–W
BR
EPA
VPA
VCPA
EPA2
VPA2
VCP2
PB
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
KNK1
EKNK
FP+
FP–
OC1+
OC1–
HT1B
OX1B
O1B–
(∗3)
K 1
Knock Sensor
S 3
Spill Valve
C 2
Camshaft Timing
Oil Control Valve
H 8
Heated Oxygen Sensor
(Bank 1 Sensor 2)
OX
E1
HT
+B
B–W
E 5
I 3
BR
W–B
(RHD)

http://vnx.su

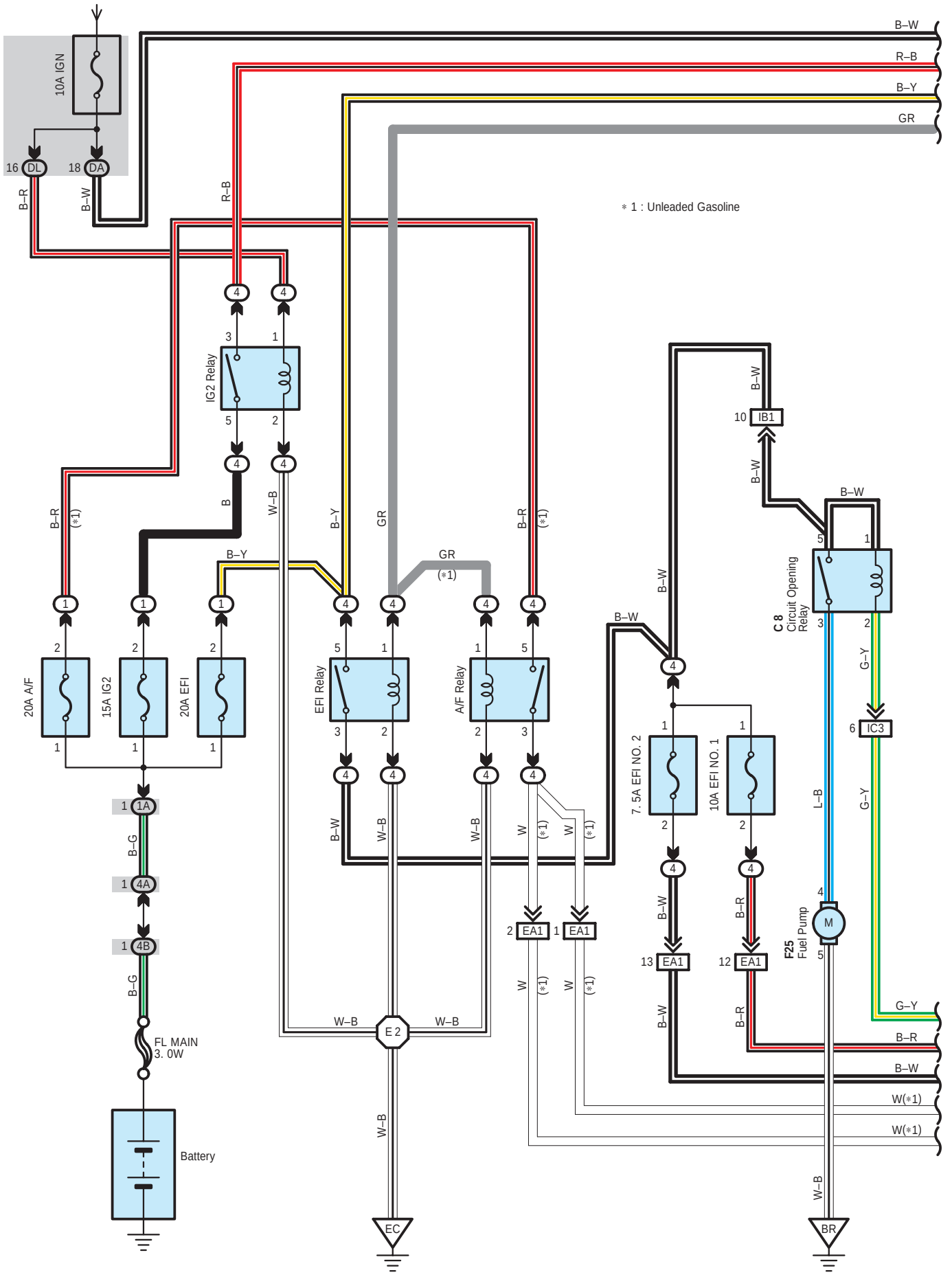

GR–R
GR–R
BR
E 3 : LHD
I 3 : RHD
BR
R–W
E 2
EFI Water Temp. Sensor
T 1
Throttle Control Motor and Position Sensor
V 1
Vacuum Sensor
F16
Fuel Pressure Sensor
VCC
GND
VOUT
B–W
B–R
L–W
G–W
Y–G
(*3)
E2
VC
THW
VTA2
VTA1
M+
M–
GE01
PIM
PR
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
HT2B
OX2B
O2B–
OX1A
HT1A
OX2A
HT2A
L–B
R
G
B
Y
L
OX
E2
HT
+B
E1
H10
Heated Oxygen Sensor (Bank 2 Sensor 2)
H 7
Heated Oxygen Sensor (Bank 1 Sensor 1)
H 9
Heated Oxygen Sensor (Bank 2 Sensor 1)
E 5
I 3 : LHD
I 4 : RHD
I 3
J12(A), J13(B)
Junction Connector
W–B
(RHD)

http://vnx.su

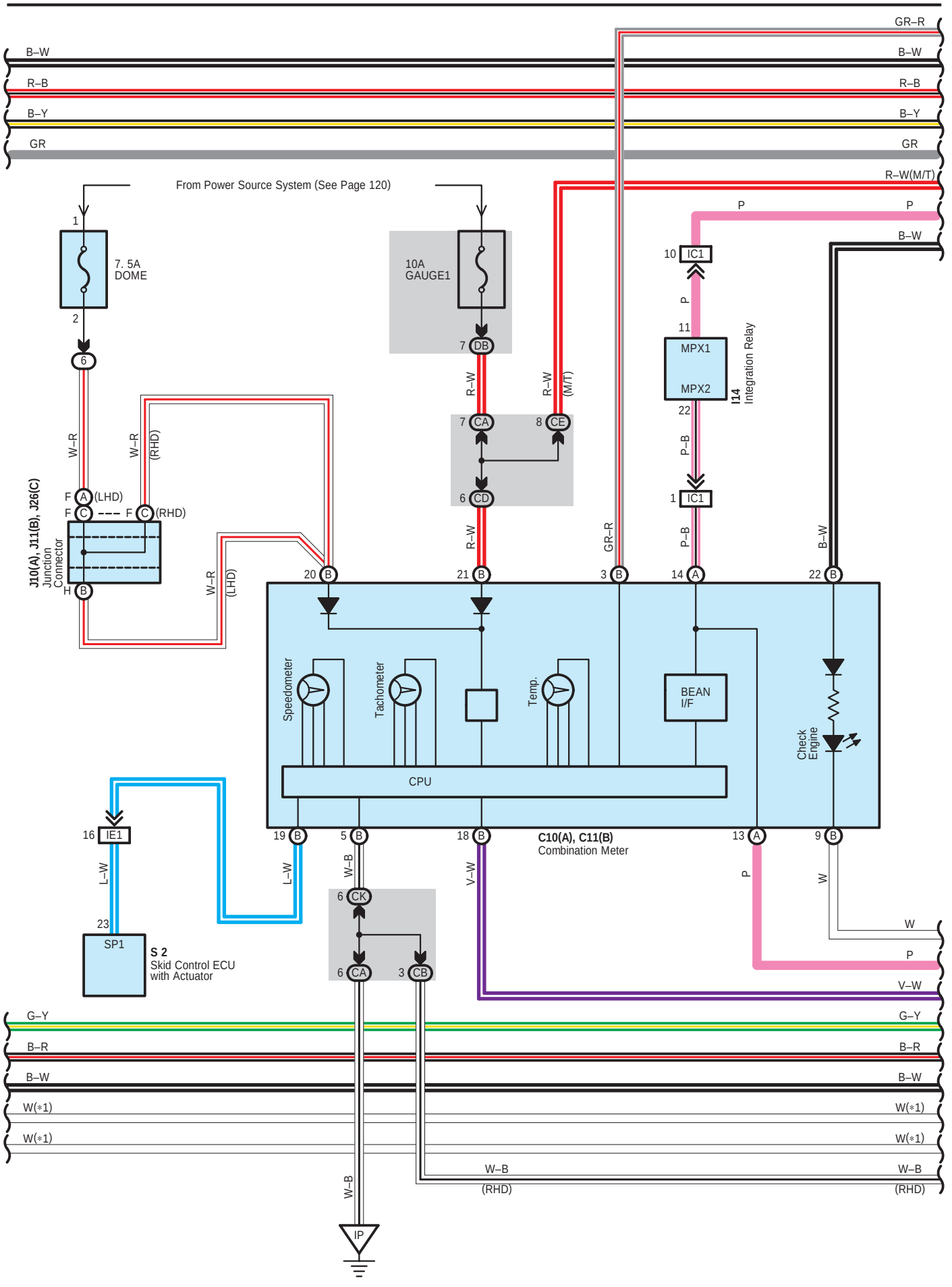

From Power Source System (See Page 120)
GR–R
BR
7. 5A OBD2
7 DA
B
D 5
DLC3
TAC
WFSE
SIL
TC
SG
CG
BAT
9
15
7
13
5
4
16
W–G
W–L
(LHD)
(RHD)
J 8(A), J26(C)
Junction Connector
J20(C), J21(D)
Junction Connector
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
GR–R
G
BR
W–B
9 DB
17 DB
30 DA
3 DC
5 A
19 A
18 A
20 A
TACH
WFSE
SIL
TC
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
14 IK2
EVP1
SCV
THA
VG
EVG
34 E
5 E
20 E
30 E
29 E
L–B
GR
L–Y
V 5
VSV (EVAP)
V 6
VSV (Intake Air Control Valve)
A 6
Air Flow Meter
+B
E2G
E2
B–W
E 3 : LHD
I 3 : RHD
E 5
J16
Junction Connector
EF
IO

http://vnx.su

From Power Source System (See Page 120)

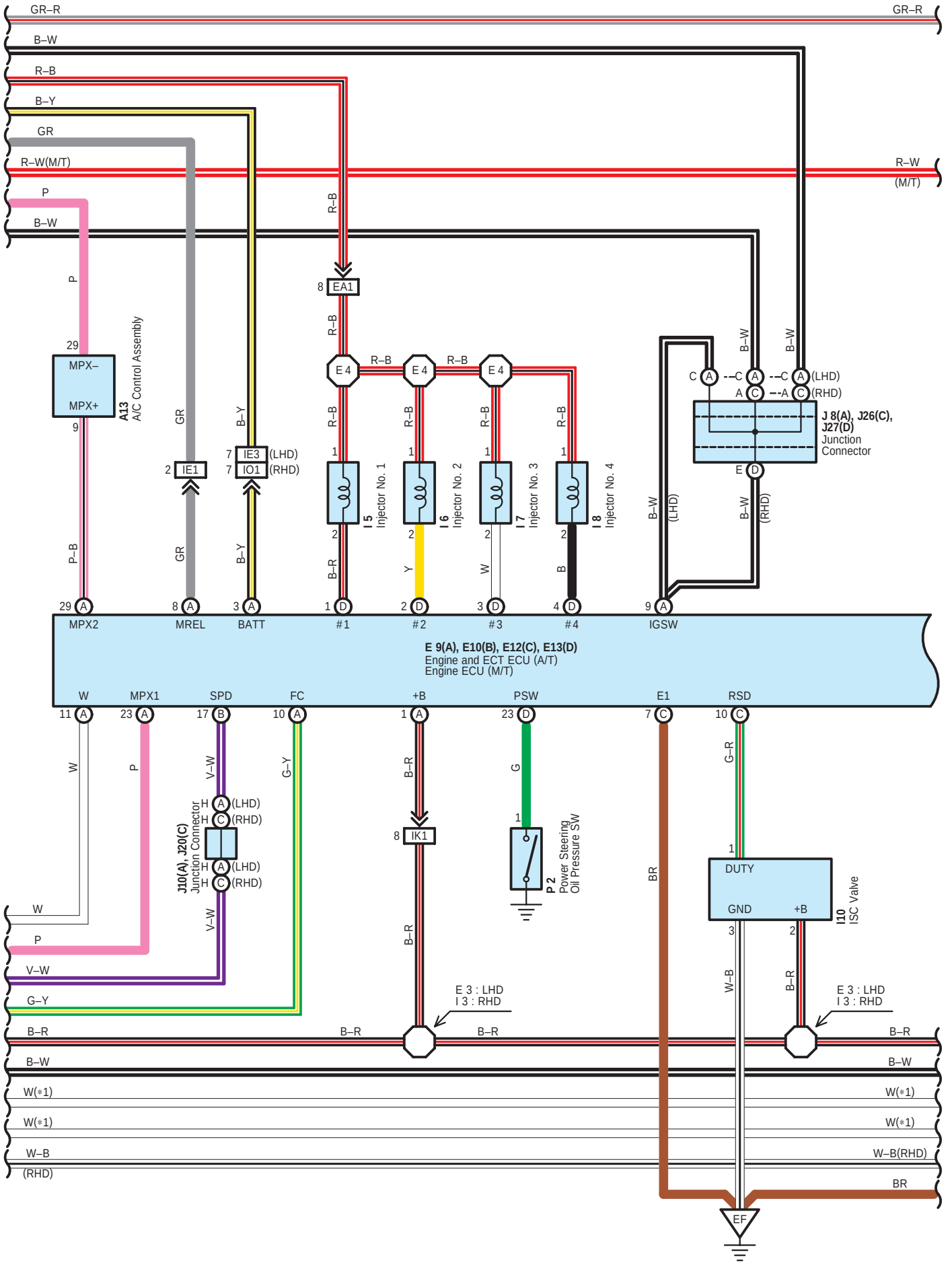


http://vnx.su

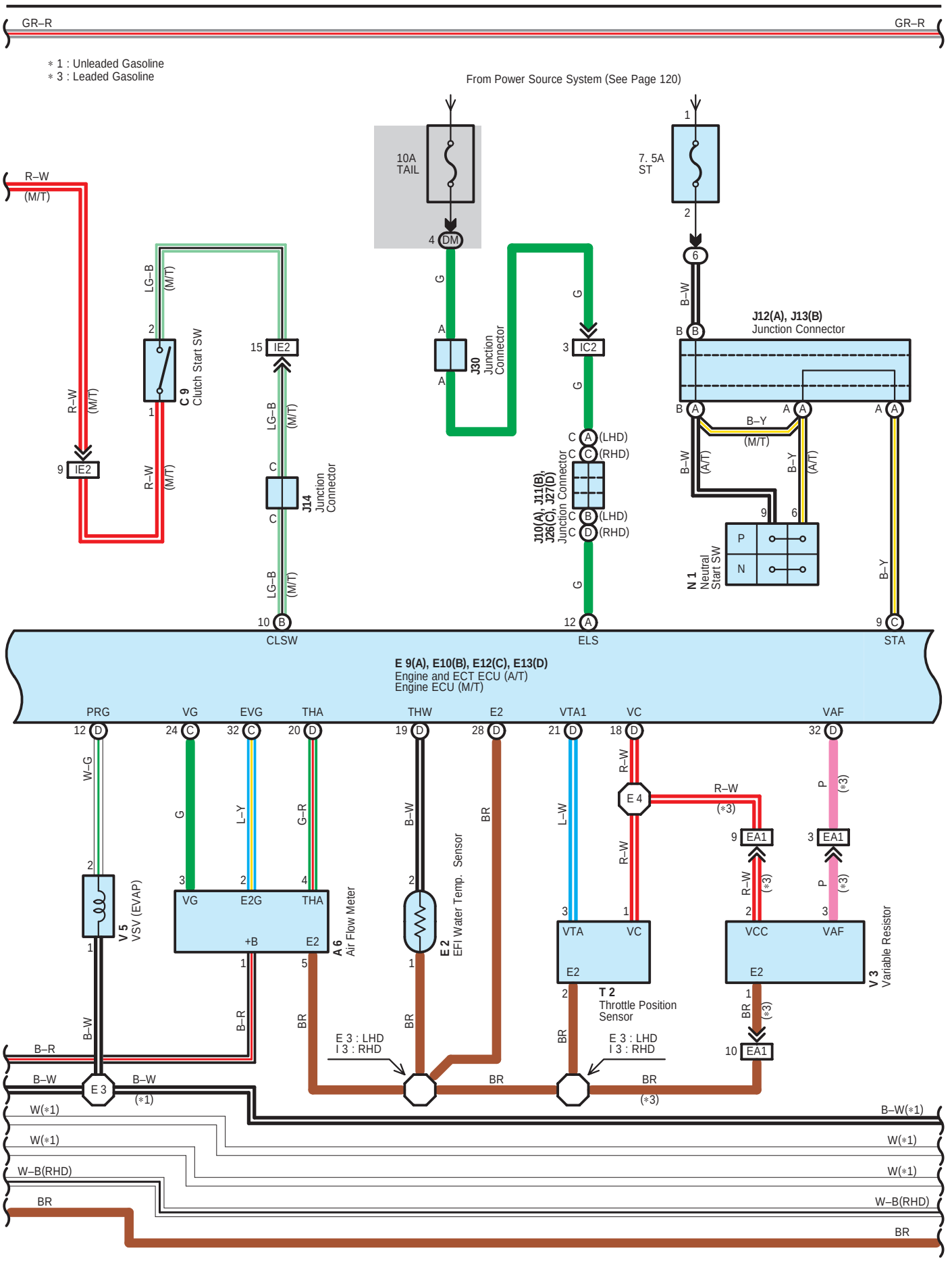

From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
J10(A), J11(B), J26(C)
Junction
Connector
(LHD)
(RHD)
I14
Integration Relay
MPX1
MPX2
IC1
BEAN
I/F
Speedometer
Tachometer
Temp.
CPU
Check
Engine
C10(A), C11(B)
Combination Meter
S 2
Skid Control ECU
with Actuator
SP1
IE1
IP
GR–R
B–W
R–B
B–Y
GR
R–W(M/T)
P
R–W
L–W
W–R
W–B
V–W
P–B
G–Y
W(*1)
W

http://vnx.su

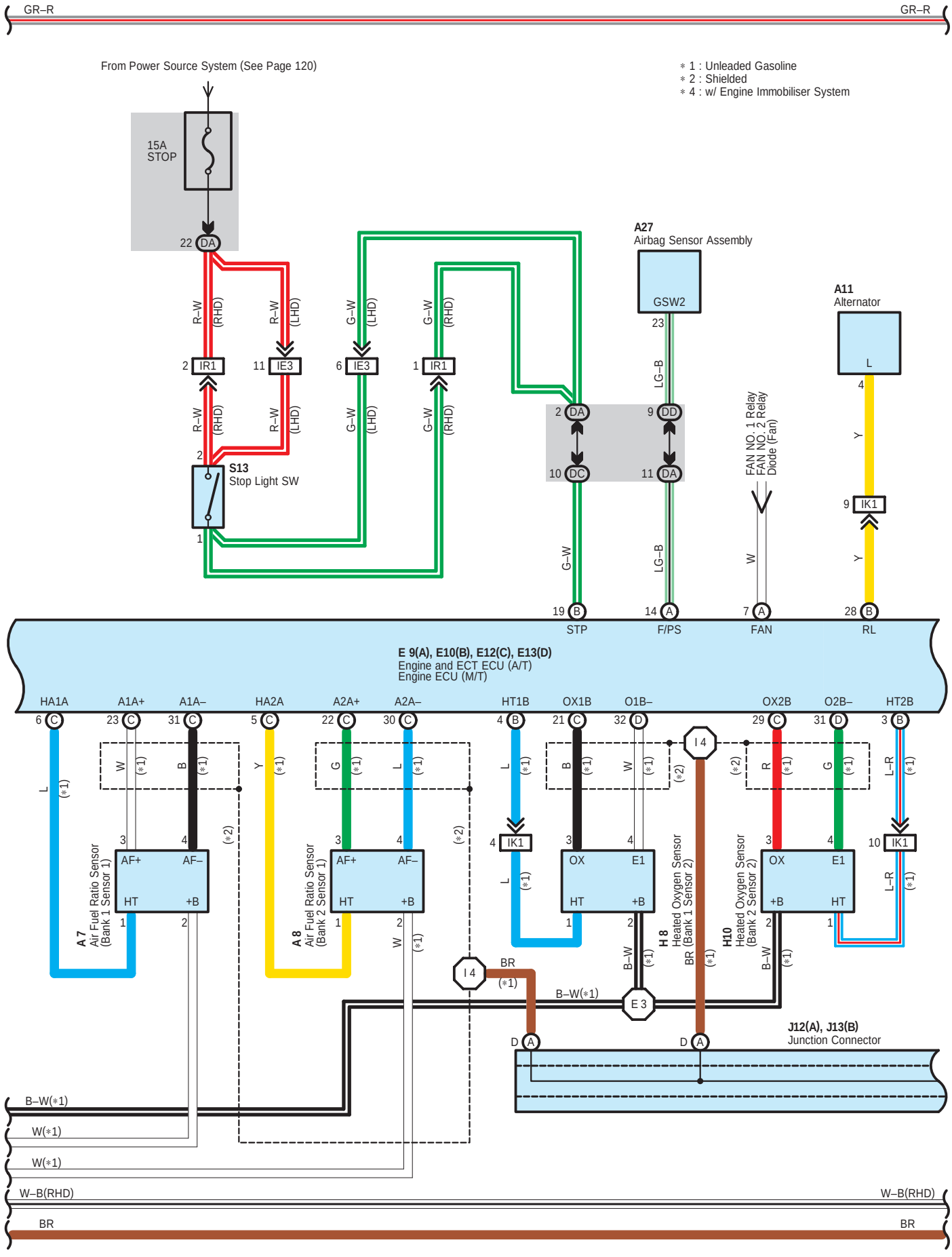
Engine Control (1AZ–FE)



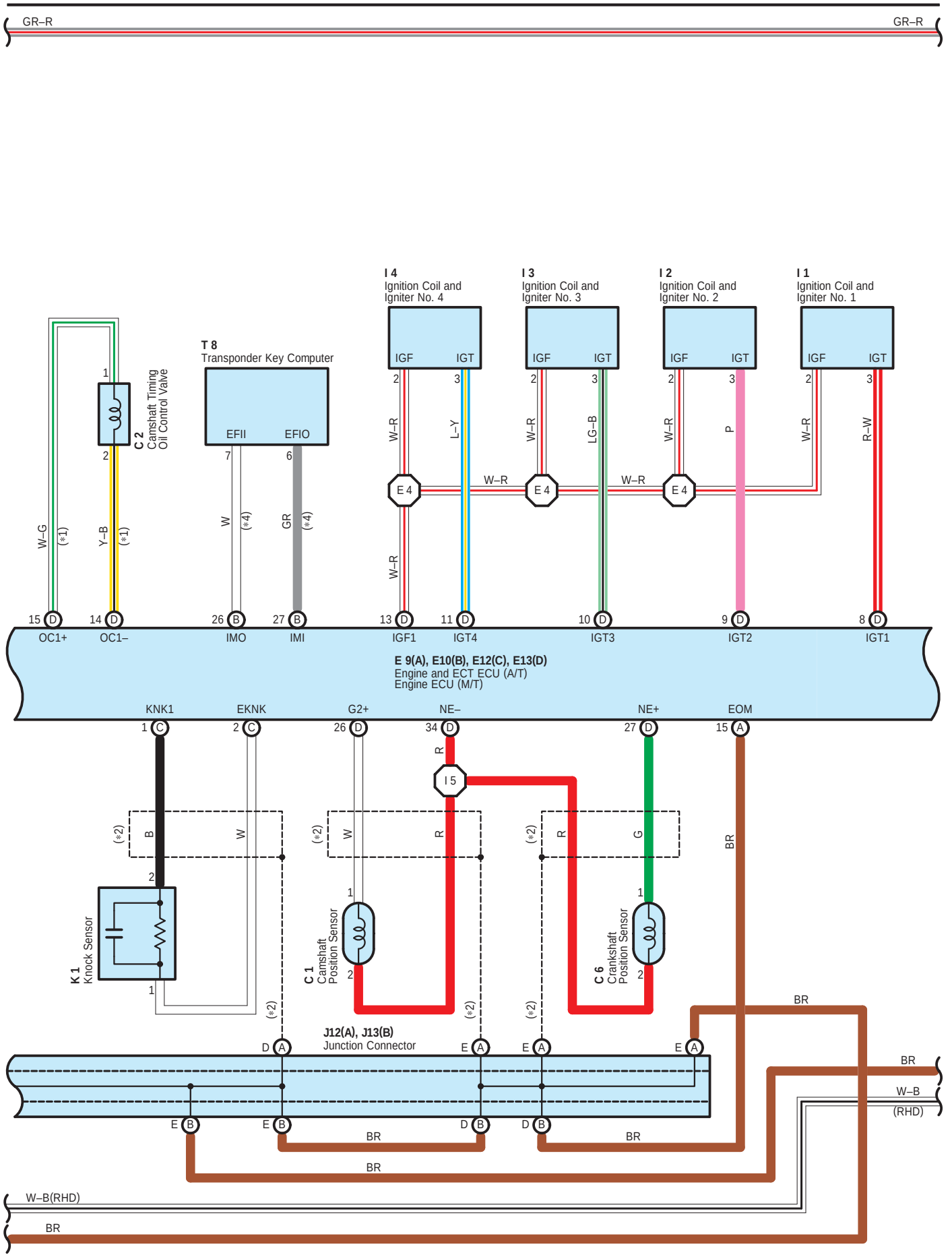
http://vnx.su


GR–R
GR–R
∗1 : Unleaded Gasoline
∗3 : Leaded Gasoline
From Power Source System (See Page 120)
10A TAIL
7. 5A ST
R–W (M/T)
LG–B (M/T)
C 9 Clutch Start SW
IE2
J14 Junction Connector
J30 Junction Connector
IC2
J10(A), J11(B), J26(C), J27(D) Junction Connector
J12(A), J13(B) Junction Connector
B–W
B–Y (M/T)
B–W (A/T)
B–Y (A/T)
N 1 Neutral Start SW
P
N
CLSW
ELS
STA
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
PRG
VG
EVG
THA
THW
E2
VTA1
VC
VAF
W–G
G
L–Y
G–R
B–W
BR
L–W
R–W
P
V 5 VSV (EVAP)
A 6 Air Flow Meter
E 2 EFI Water Temp. Sensor
E 4
T 2 Throttle Position Sensor
V 3 Variable Resistor
E 3 : LHD
I 3 : RHD
E 3
B–R
W(∗1)
W–B(RHD)
BR
B–W(∗1)

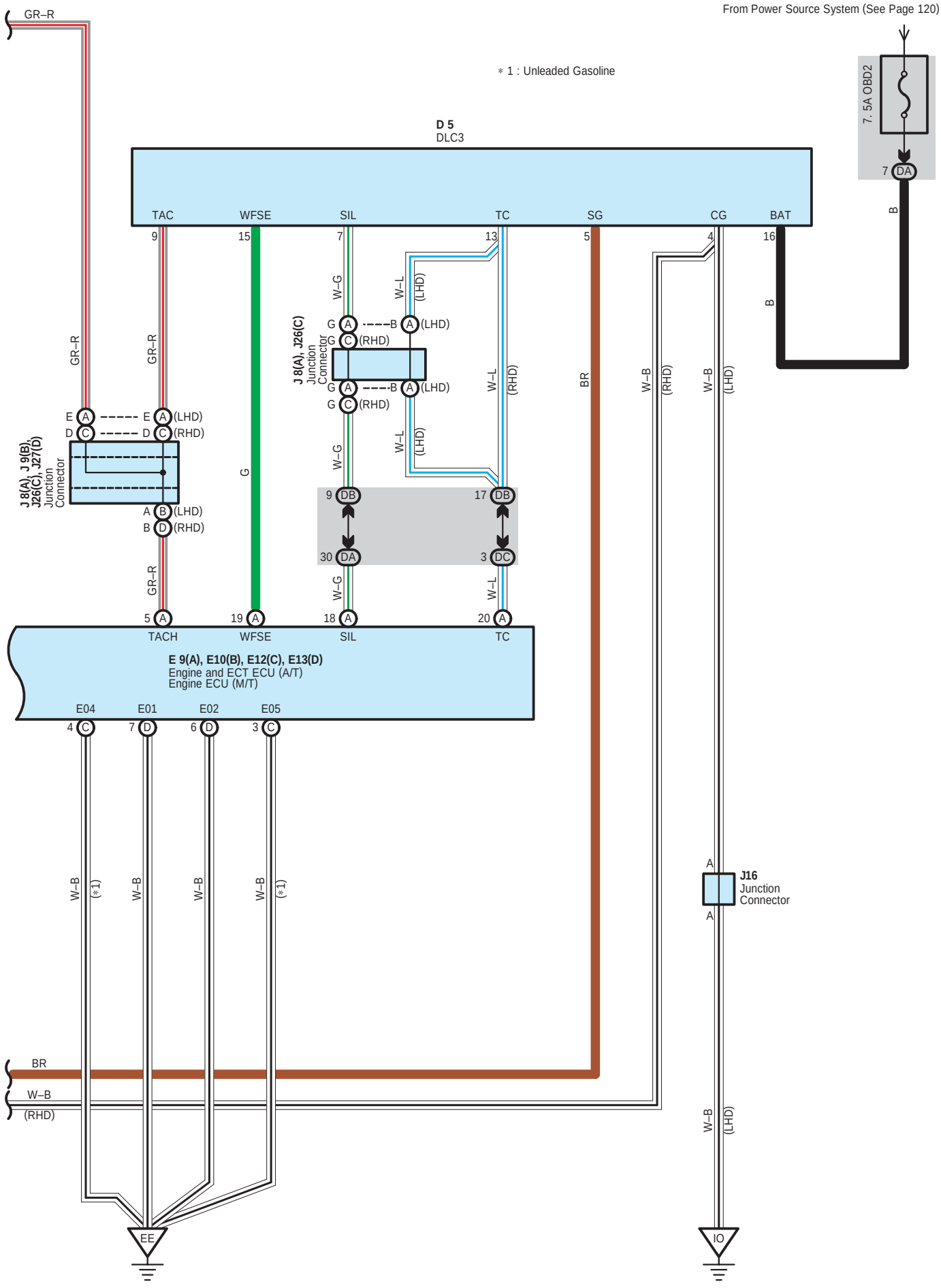
http://vnx.su


GR–R
GR–R
From Power Source System (See Page 120)
∗ 1 : Unleaded Gasoline
∗ 2 : Shielded
∗ 4 : w/ Engine Immobiliser System
15A
STOP
22 DA
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
2 IR1
11 IE3
6 IE3
1 IR1
S13
Stop Light SW
A27
Airbag Sensor Assembly
GSW2
23
LG–B
9 DD
11 DA
2 DA
10 DC
G–W
LG–B
19 B
STP
14 A
F/PS
FAN NO. 1 Relay
FAN NO. 2 Relay
Diode (Fan)
W
7 A
FAN
A11
Alternator
L
4
Y
9 IK1
Y
28 B
RL
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
HA1A
A1A+
A1A–
HA2A
A2A+
A2A–
HT1B
OX1B
O1B–
OX2B
O2B–
HT2B
6 C
23 C
31 C
5 C
22 C
30 C
4 B
21 C
32 D
29 C
31 D
3 B
L (∗1)
W (∗1)
B (∗1)
Y (∗1)
G (∗1)
L (∗1)
L (∗1)
B (∗1)
W (∗1)
(∗2)
R (∗1)
G (∗1)
L–R (∗1)
3
4
AF+
AF–
HT
+B
1
2
A 7
Air Fuel Ratio Sensor
(Bank 1 Sensor 1)
A 8
Air Fuel Ratio Sensor
(Bank 2 Sensor 1)
4 IK1
L (∗1)
3
4
OX
E1
HT
+B
1
2
H 8
Heated Oxygen Sensor
(Bank 1 Sensor 2)
H10
Heated Oxygen Sensor
(Bank 2 Sensor 2)
10 IK1
L–R (∗1)
I 4
BR (∗1)
B–W (∗1)
B–W(∗1)
E 3
D A
J12(A), J13(B)
Junction Connector
B–W(∗1)
W(∗1)
W(∗1)
W–B(RHD)
W–B(RHD)
BR
BR

http://vnx.su

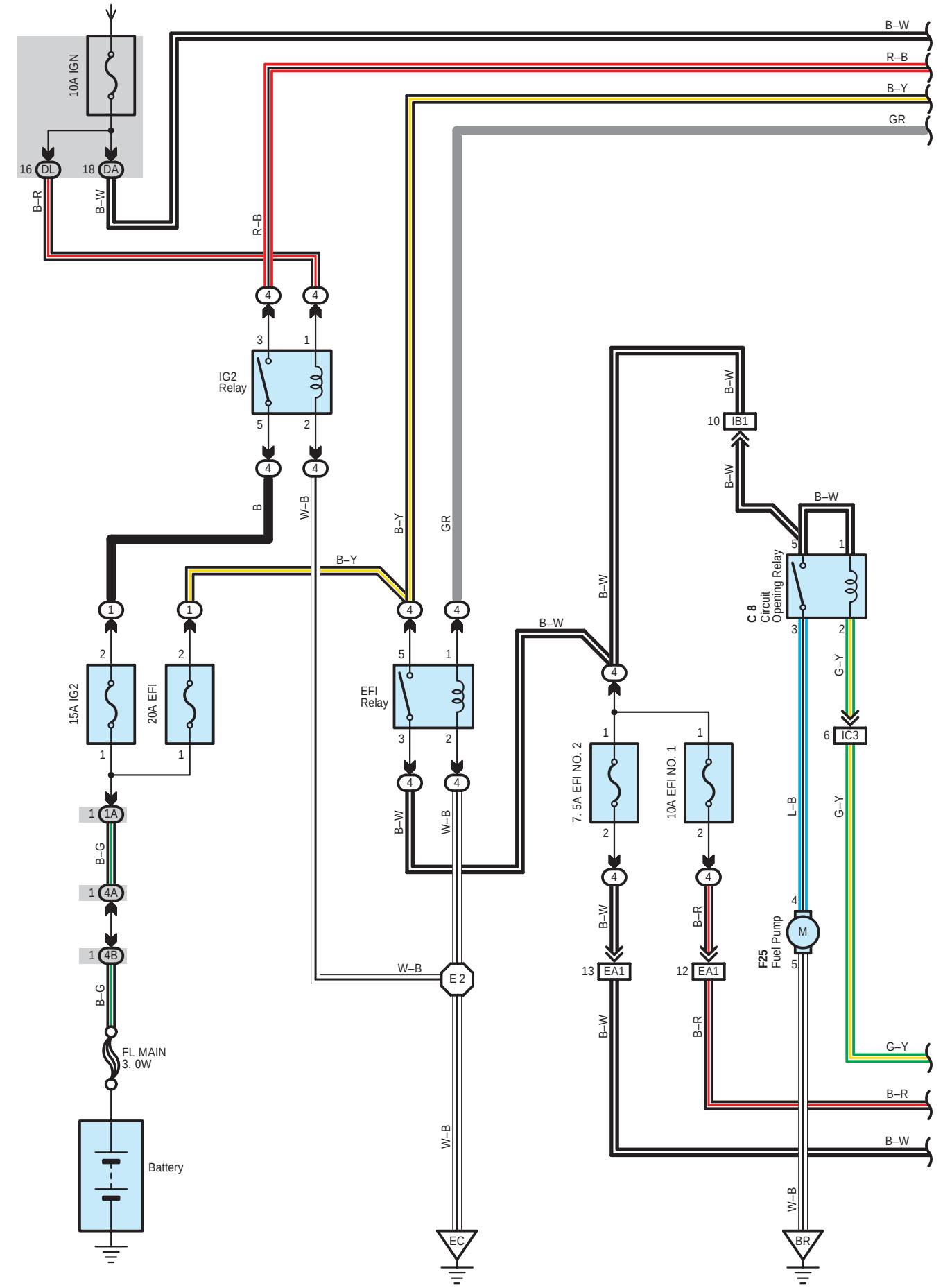

GR–R
GR–R
I 4
Ignition Coil and
Igniter No. 4
I 3
Ignition Coil and
Igniter No. 3
I 2
Ignition Coil and
Igniter No. 2
I 1
Ignition Coil and
Igniter No. 1
IGF
IGT
T 8
Transponder Key Computer
EFII
EFIO
C 2
Camshaft Timing
Oil Control Valve
W–G
Y–B
W
GR
W–R
L–Y
LG–B
P
R–W
(*1)
(*4)
E 4
OC1+
OC1–
IMO
IMI
IGF1
IGT4
IGT3
IGT2
IGT1
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
KNK1
EKNK
G2+
NE–
NE+
EOM
I 5
B
G
BR
(*2)
K 1
Knock Sensor
C 1
Camshaft
Position Sensor
C 6
Crankshaft
Position Sensor
J12(A), J13(B)
Junction Connector
W–B
(RHD)
W–B(RHD)

http://vnx.su

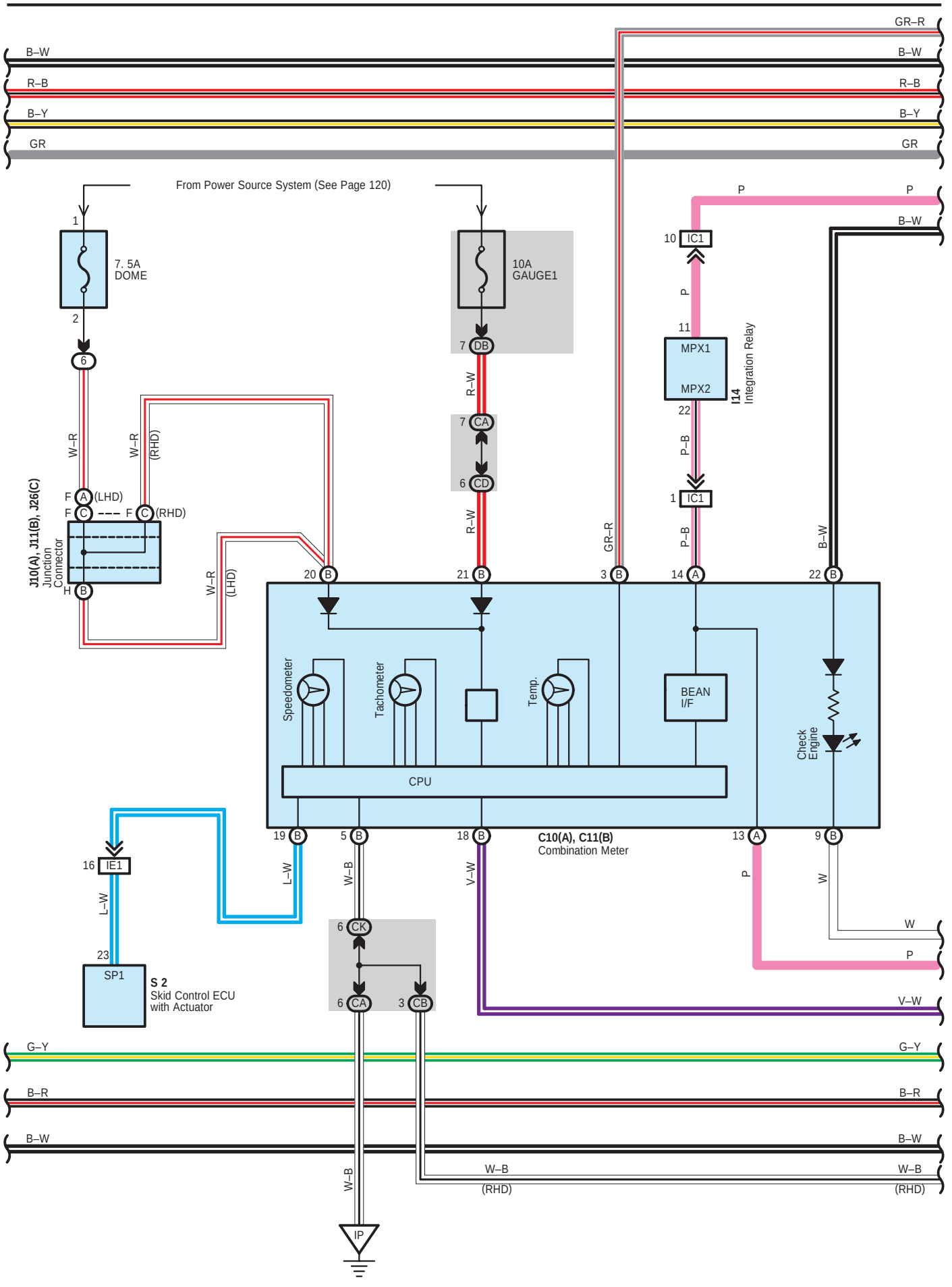

From Power Source System (See Page 120)
GR–R
∗ 1 : Unleaded Gasoline
7. 5A OBD2
7 DA
B
D 5
DLC3
TAC
WFSE
SIL
TC
SG
CG
BAT
9
15
7
13
5
4
16
GR–R
GR–R
W–G
W–L
(LHD)
G A B A (LHD)
G C (RHD)
J 8(A), J26(C)
Junction Connector
W–L
(RHD)
BR
W–B
(RHD)
W–B
(LHD)
B
E A E A (LHD)
D C D C (RHD)
J 8(A), J 9(B),
J26(C), J27(D)
Junction Connector
A B (LHD)
B D (RHD)
G
9 DB
17 DB
30 DA
3 DC
GR–R
W–G
W–L
5 A
19 A
18 A
20 A
TACH
WFSE
SIL
TC
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
E04
E01
E02
E05
4 C
7 D
6 D
3 C
W–B
(∗1)
W–B
W–B
W–B
(∗1)
A
J16
Junction Connector
A
BR
W–B
(RHD)
W–B
(LHD)
EE
IO

http://vnx.su

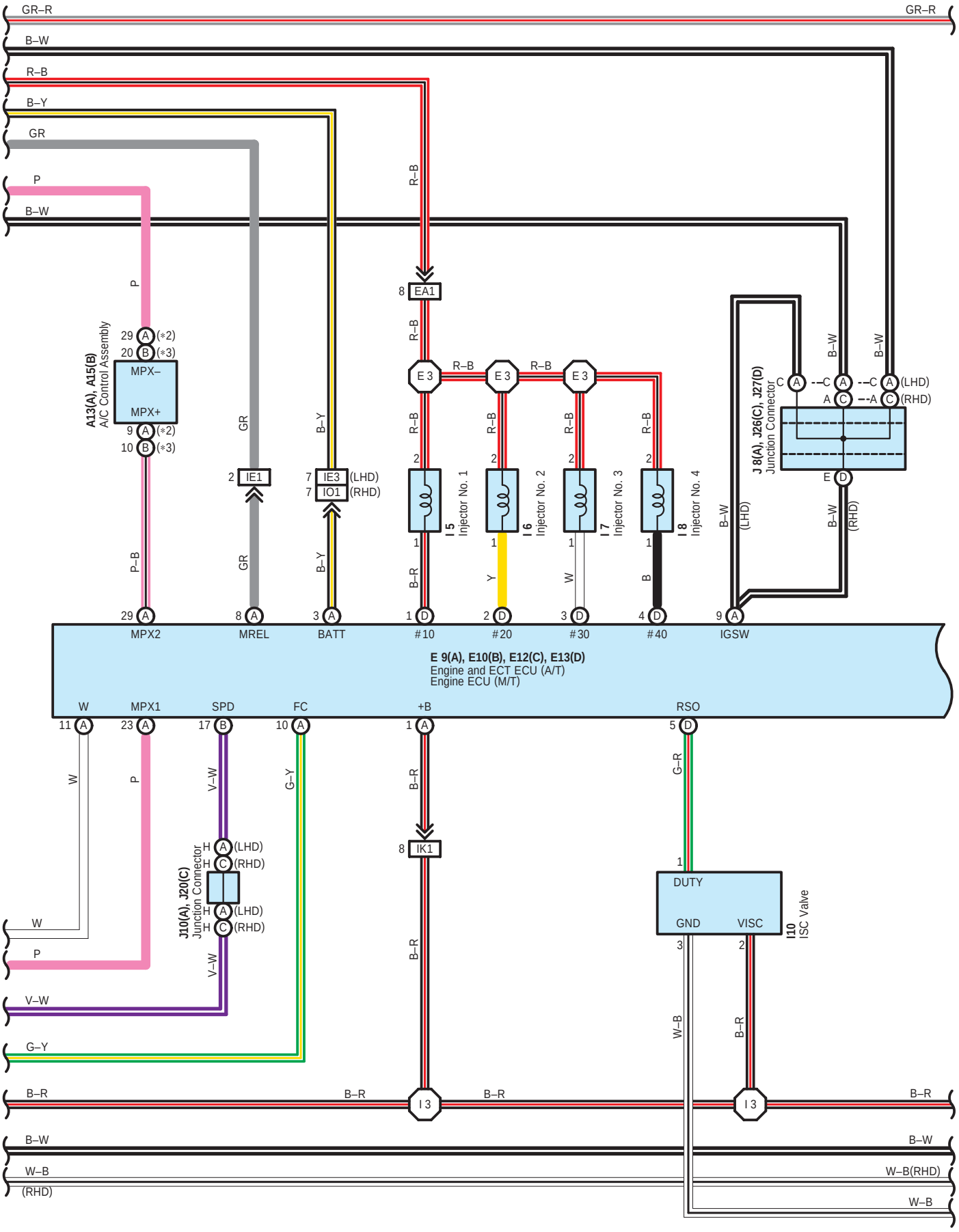
From Power Source System (See Page 120)



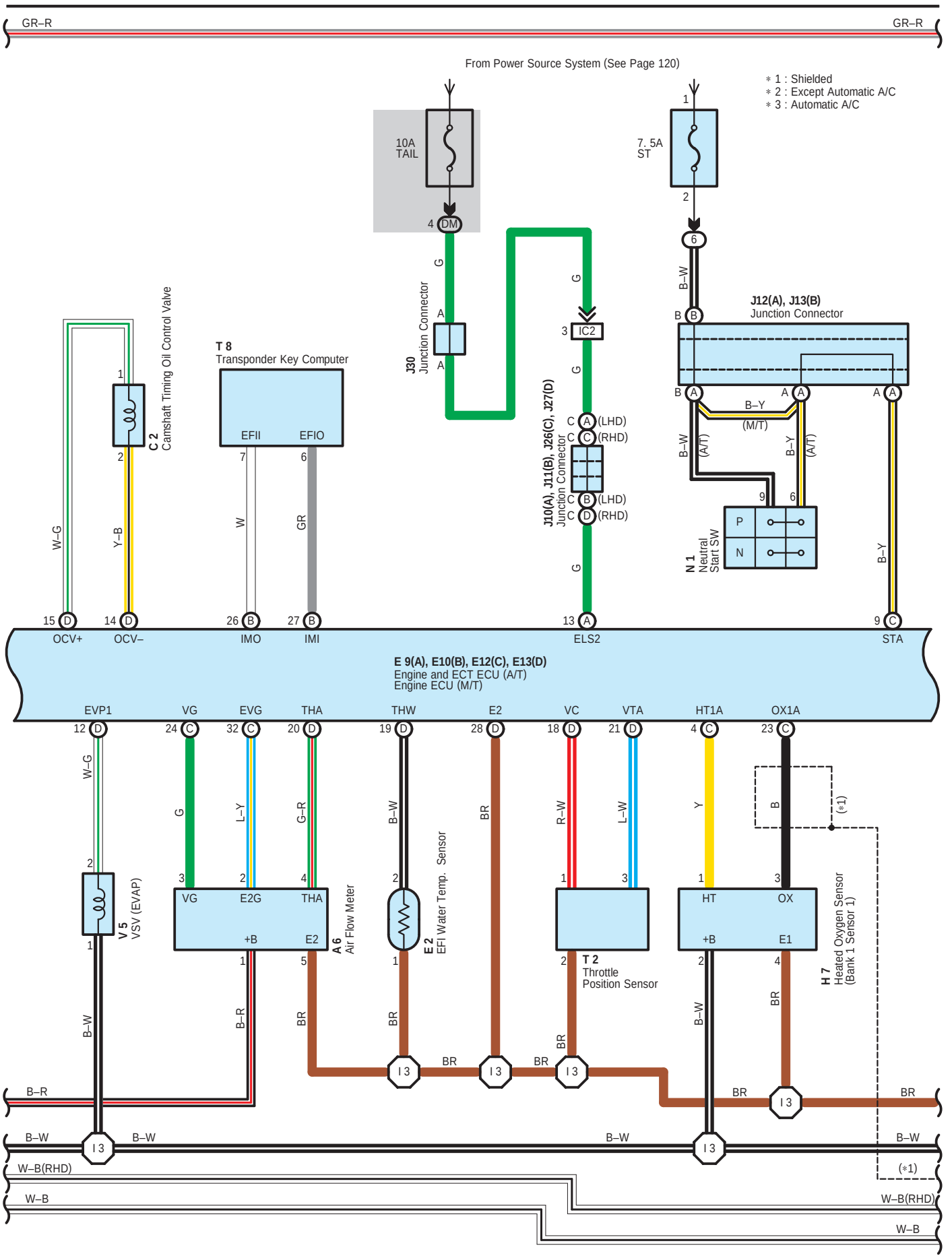
http://vnx.su


GR–R
B–W
R–B
B–Y
GR
From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
W–R
W–R
(RHD)
F A (LHD)
F C --- F C (RHD)
J10(A), J11(B), J26(C)
Junction
Connector
H B
W–R
(LHD)
10A
GAUGE1
7 DB
R–W
7 CA
6 CD
R–W
P
P
B–W
10 IC1
P
11
MPX1
MPX2
I14
Integration Relay
22
P–B
1 IC1
P–B
GR–R
B–W
20 B
21 B
3 B
14 A
22 B
Speedometer
Tachometer
Temp.
BEAN
I/F
Check
Engine
CPU
19 B
5 B
18 B
C10(A), C11(B)
Combination Meter
13 A
9 B
16 IE1
L–W
L–W
W–B
V–W
P
W
W
P
6 CK
6 CA
3 CB
V–W
23
SP1
S 2
Skid Control ECU
with Actuator
G–Y
G–Y
B–R
B–R
B–W
B–W
W–B
W–B
(RHD)
W–B
(RHD)
IP

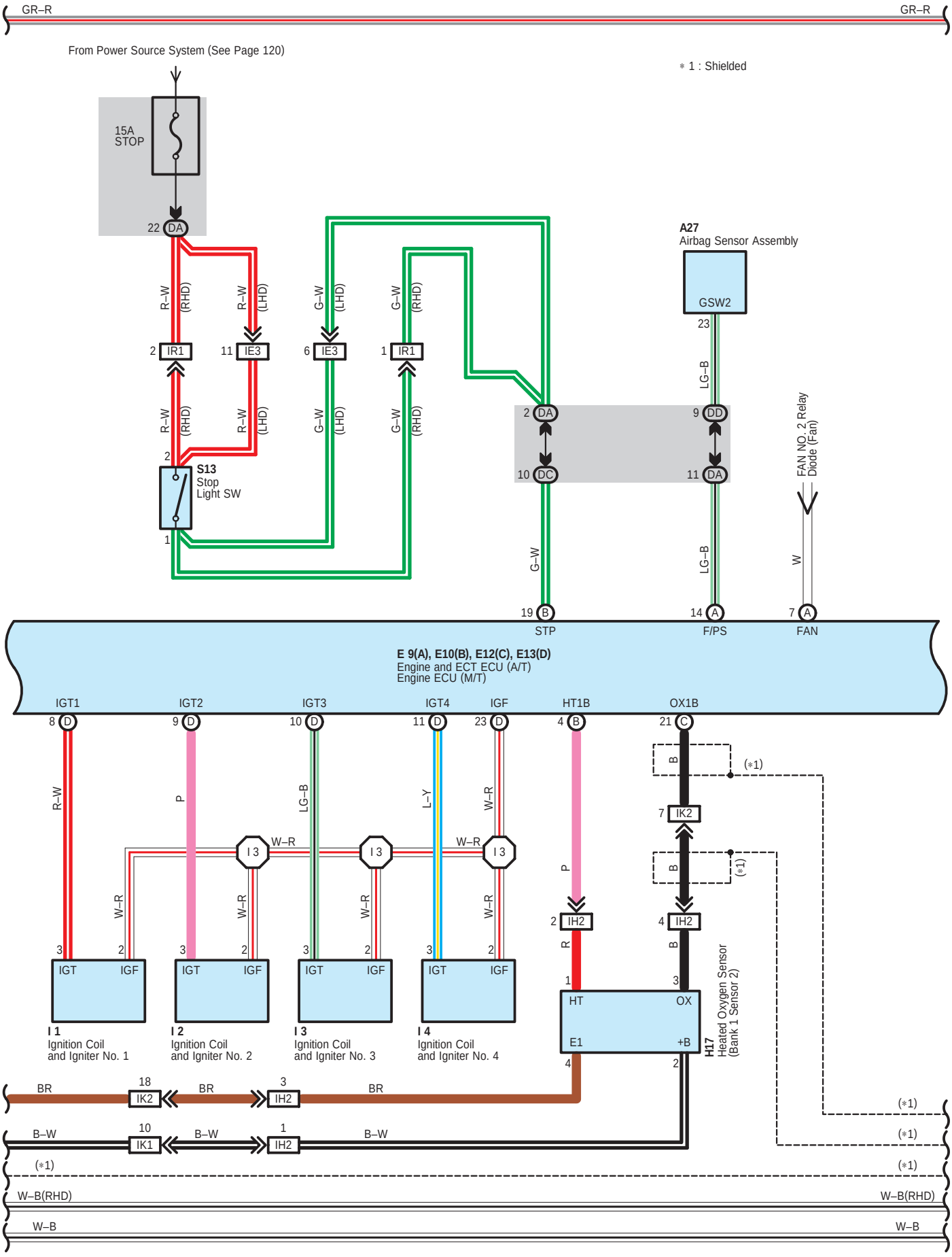
http://vnx.su


GR–R
GR–R
B–W
R–B
B–Y
GR
P
B–W
A13(A), A15(B)
A/C Control Assembly
MPX–
MPX+
29 (*2)
20 (*3)
9 (*2)
10 (*3)
P
P–B
GR
B–Y
8 EA1
R–B
E 3
R–B
E 3
R–B
E 3
2 IE1
7 IE3 (LHD)
7 IO1 (RHD)
I 5 Injector No. 1
I 6 Injector No. 2
I 7 Injector No. 3
I 8 Injector No. 4
B–R
Y
W
B
J 8(A), J26(C), J27(D)
Junction Connector
B–W (LHD)
B–W (RHD)
(LHD)
(RHD)
29 MPX2
8 MREL
3 BATT
1 #10
2 #20
3 #30
4 #40
9 IGSW
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
W
MPX1
SPD
FC
+B
RSO
11
23
17
10
1
5
W
P
V–W
G–Y
B–R
G–R
J10(A), J20(C)
Junction Connector
H (LHD)
H (RHD)
8 IK1
DUTY
GND
VISC
I10
ISC Valve
W–B
I 3
I 3
B–R
B–W
W–B
(RHD)
W–B(RHD)
W–B

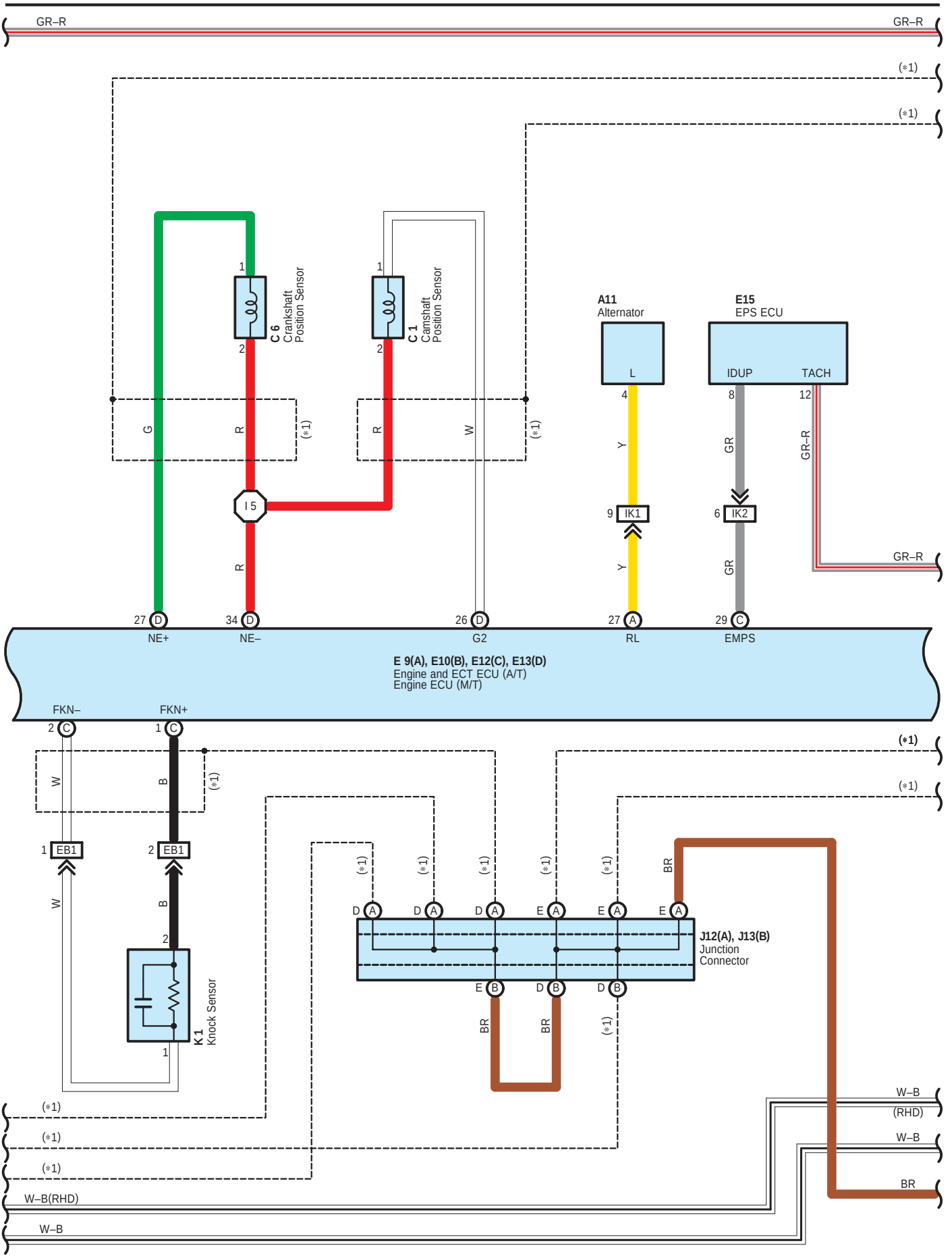
http://vnx.su


GR–R
GR–R
From Power Source System (See Page 120)
* 1 : Shielded
* 2 : Except Automatic A/C
* 3 : Automatic A/C
10A TAIL
7. 5A ST
4 DM
1
2
6
B–W
G
J30 Junction Connector
A
A
3 IC2
G
G
J10(A), J11(B), J26(C), J27(D) Junction Connector
C A (LHD)
C C (RHD)
C B (LHD)
C D (RHD)
G
J12(A), J13(B) Junction Connector
B B
B A
A A
A A
B–Y (M/T)
B–W (A/T)
B–Y (A/T)
9
6
N 1 Neutral Start SW
P
N
B–Y
T 8 Transponder Key Computer
EFII
EFIO
7
6
W
GR
C 2 Camshaft Timing Oil Control Valve
1
2
W–G
Y–B
15 D
14 D
26 B
27 B
13 A
9 C
OCV+
OCV–
IMO
IMI
ELS2
STA
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
EVP1
VG
EVG
THA
THW
E2
VC
VTA
HT1A
OX1A
12 D
24 C
32 C
20 D
19 D
28 D
18 D
21 D
4 C
23 C
V 5 VSV (EVAP)
W–G
2
1
B–W
G
L–Y
G–R
B–W
BR
R–W
L–W
Y
B
(*1)
3
2
4
2
1
3
1
3
VG
E2G
THA
+B
E2
A 6 Air Flow Meter
E 2 EFI Water Temp. Sensor
T 2 Throttle Position Sensor
HT
OX
+B
E1
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
1
5
1
2
2
4
B–R
B–R
BR
BR
BR
BR
BR
BR
BR
I 3
I 3
I 3
I 3
I 3
B–R
B–W
B–W
B–W
B–W
B–W
W–B(RHD)
W–B
W–B(RHD)
W–B
(*1)

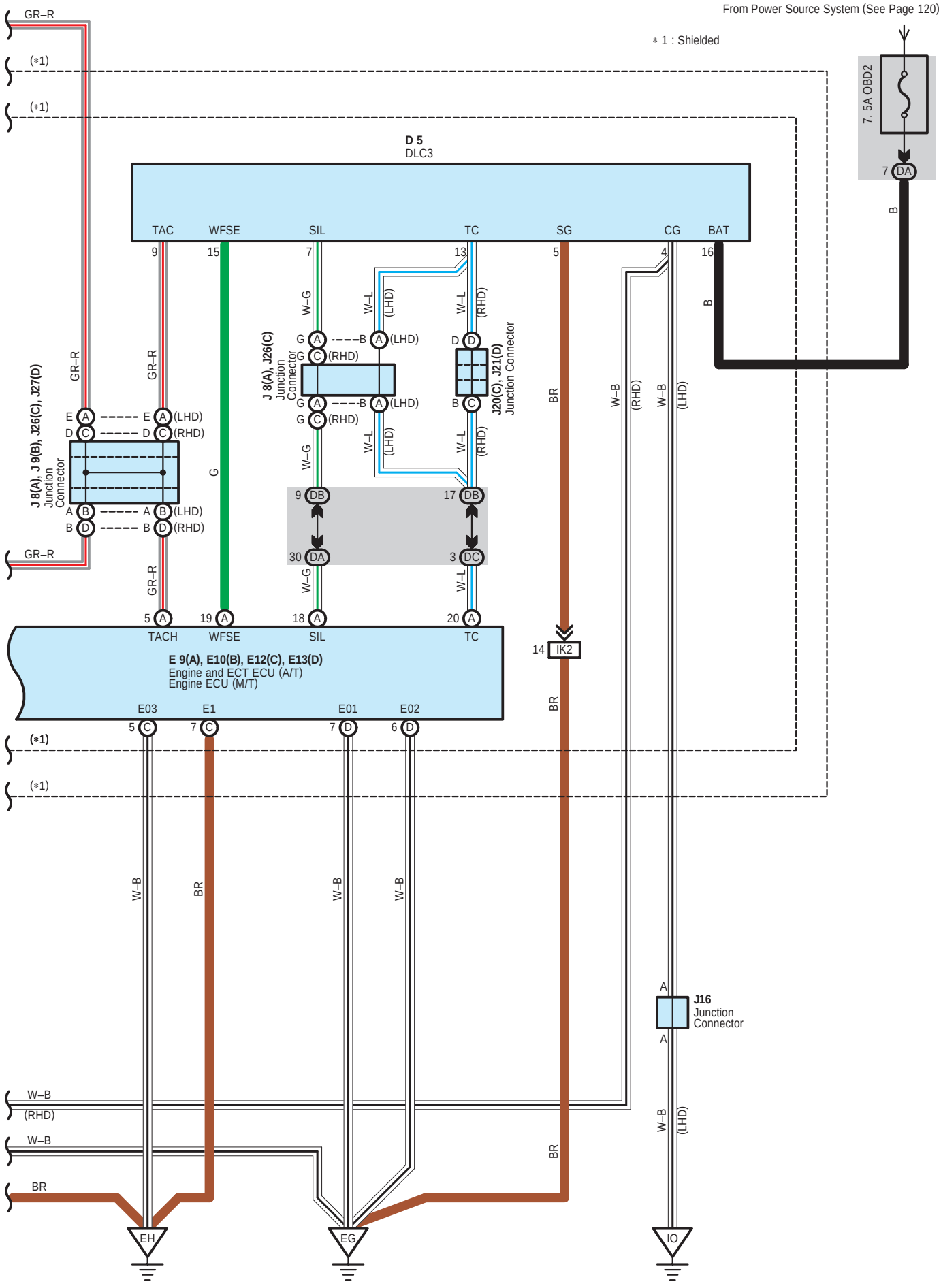
http://vnx.su


GR–R
GR–R
From Power Source System (See Page 120)
∗ 1 : Shielded
15A
STOP
22 DA
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
2 IR1
11 IE3
6 IE3
1 IR1
S13
Stop
Light SW
2 DA
10 DC
A27
Airbag Sensor Assembly
GSW2
23
LG–B
9 DD
11 DA
FAN NO. 2 Relay
Diode (Fan)
W
G–W
LG–B
19 B
14 A
7 A
STP
F/PS
FAN
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
IGT1
IGT2
IGT3
IGT4
IGF
HT1B
OX1B
8 D
9 D
10 D
11 D
23 D
4 B
21 C
R–W
P
LG–B
L–Y
W–R
B
(∗1)
7 IK2
I 3
W–R
P
2 IH2
4 IH2
R
B
3
2
IGT
IGF
I 1
Ignition Coil
and Igniter No. 1
I 2
Ignition Coil
and Igniter No. 2
I 3
Ignition Coil
and Igniter No. 3
I 4
Ignition Coil
and Igniter No. 4
HT
OX
E1
+B
H17
Heated Oxygen Sensor
(Bank 1 Sensor 2)
BR
18 IK2
3 IH2
B–W
10 IK1
1 IH2
W–B(RHD)
W–B

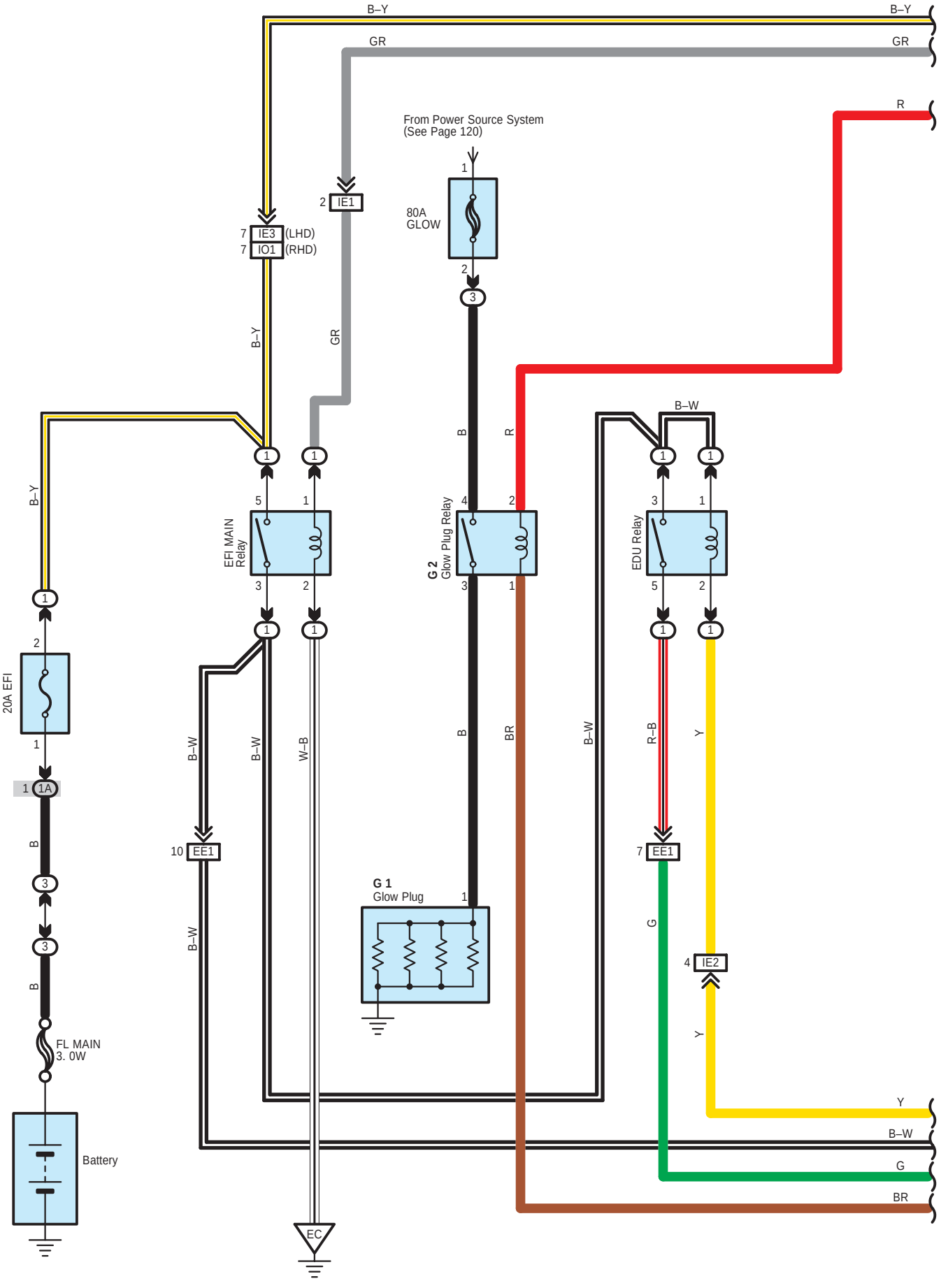
http://vnx.su


GR–R
GR–R
(*1)
(*1)
C 6
Crankshaft
Position Sensor
C 1
Camshaft
Position Sensor
A11
Alternator
L
E15
EPS ECU
IDUP
TACH
G
R
R
W
R
Y
Y
GR
GR
GR–R
GR–R
I 5
IK1
IK2
27 NE+
34 NE–
26 G2
27 RL
29 EMPS
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
FKN–
FKN+
W
B
EB1
EB1
K 1
Knock Sensor
BR
J12(A), J13(B)
Junction
Connector
W–B
(RHD)
W–B
BR
W–B(RHD)
W–B

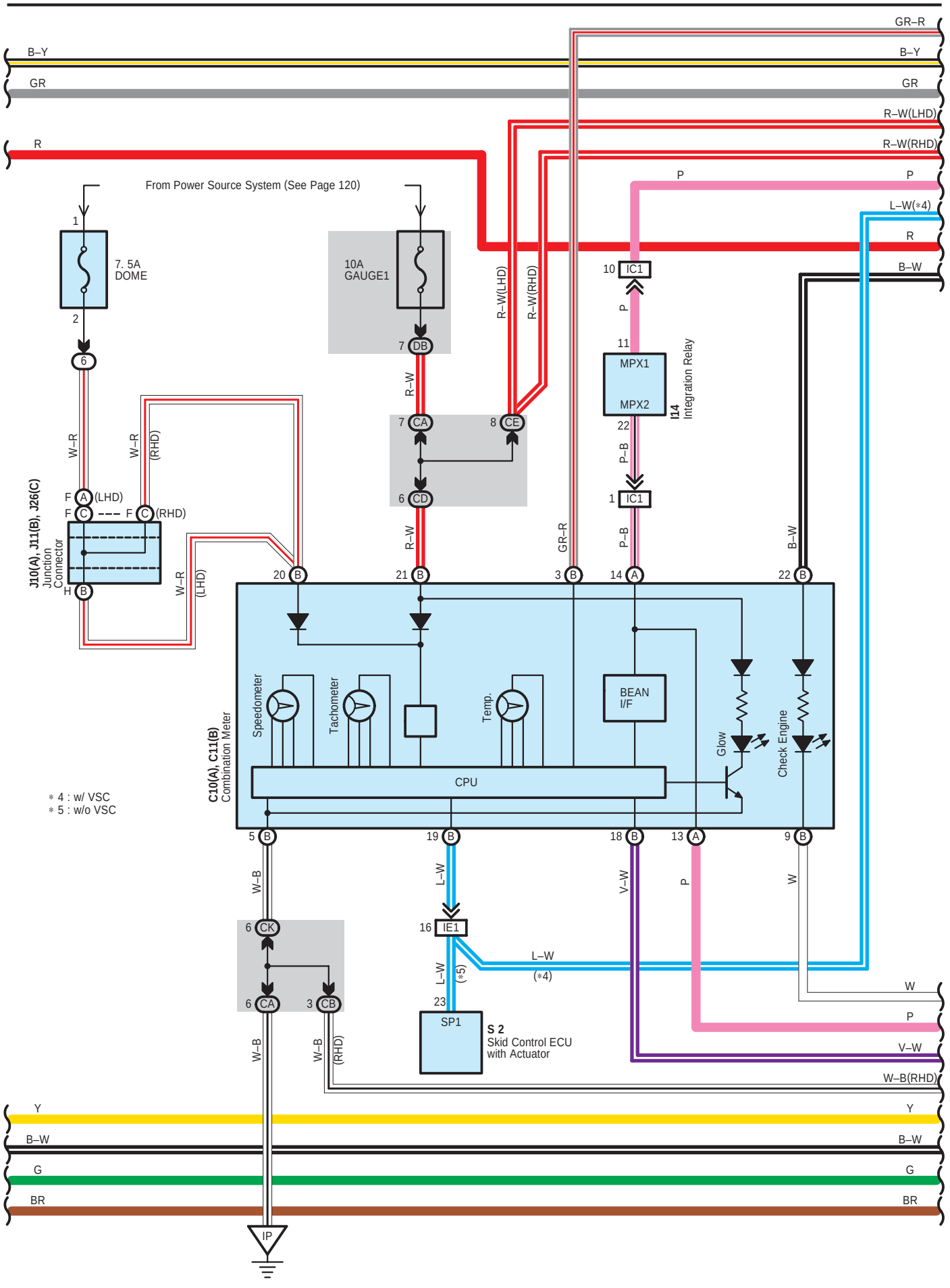
http://vnx.su


From Power Source System (See Page 120)
∗ 1 : Shielded
7. 5A OBD2
7 DA
B
D 5
DLC3
TAC WFSE SIL TC SG CG BAT
9 15 7 13 5 4 16
GR–R
(∗1)
W–G
W–L
(LHD)
(RHD)
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
J 8(A), J26(C)
Junction Connector
J20(C), J21(D)
Junction Connector
G
BR
W–B
9 DB
17 DB
30 DA
3 DC
14 IK2
5 A 19 A 18 A 20 A
TACH WFSE SIL TC
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
E03 E1 E01 E02
5 C 7 C 7 D 6 D
J16
Junction Connector
EH EG IO

http://vnx.su

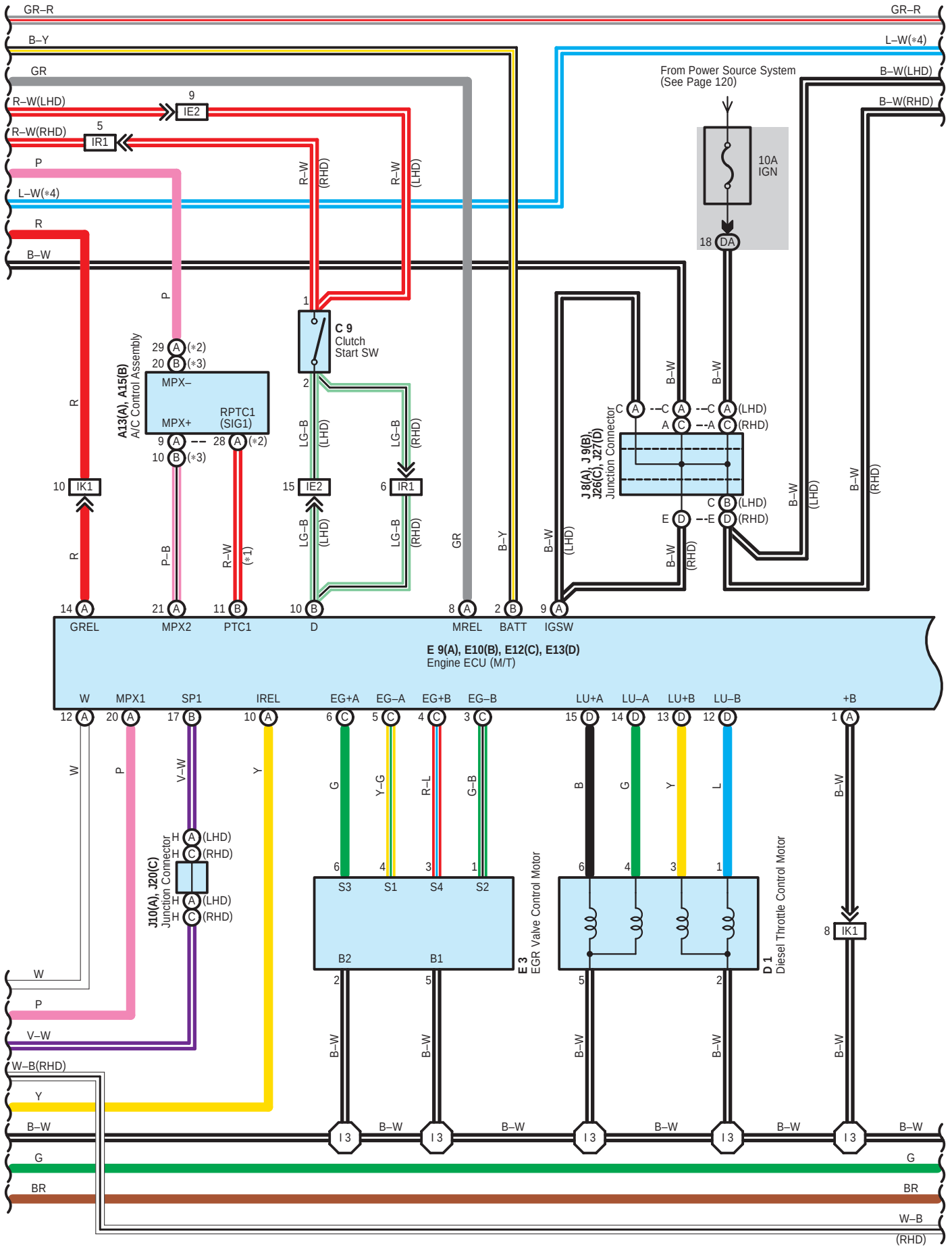

B–Y
B–Y
GR
GR
R
From Power Source System
(See Page 120)
2 IE1
7 IE3 (LHD)
7 IO1 (RHD)
80A
GLOW
EFI MAIN
Relay
G 2
Glow Plug Relay
EDU Relay
20A EFI
1A
FL MAIN
3. 0W
Battery
10 EE1
7 EE1
4 IE2
G 1
Glow Plug
EC
B–W
W–B
B
BR
R–B
Y
G

http://vnx.su

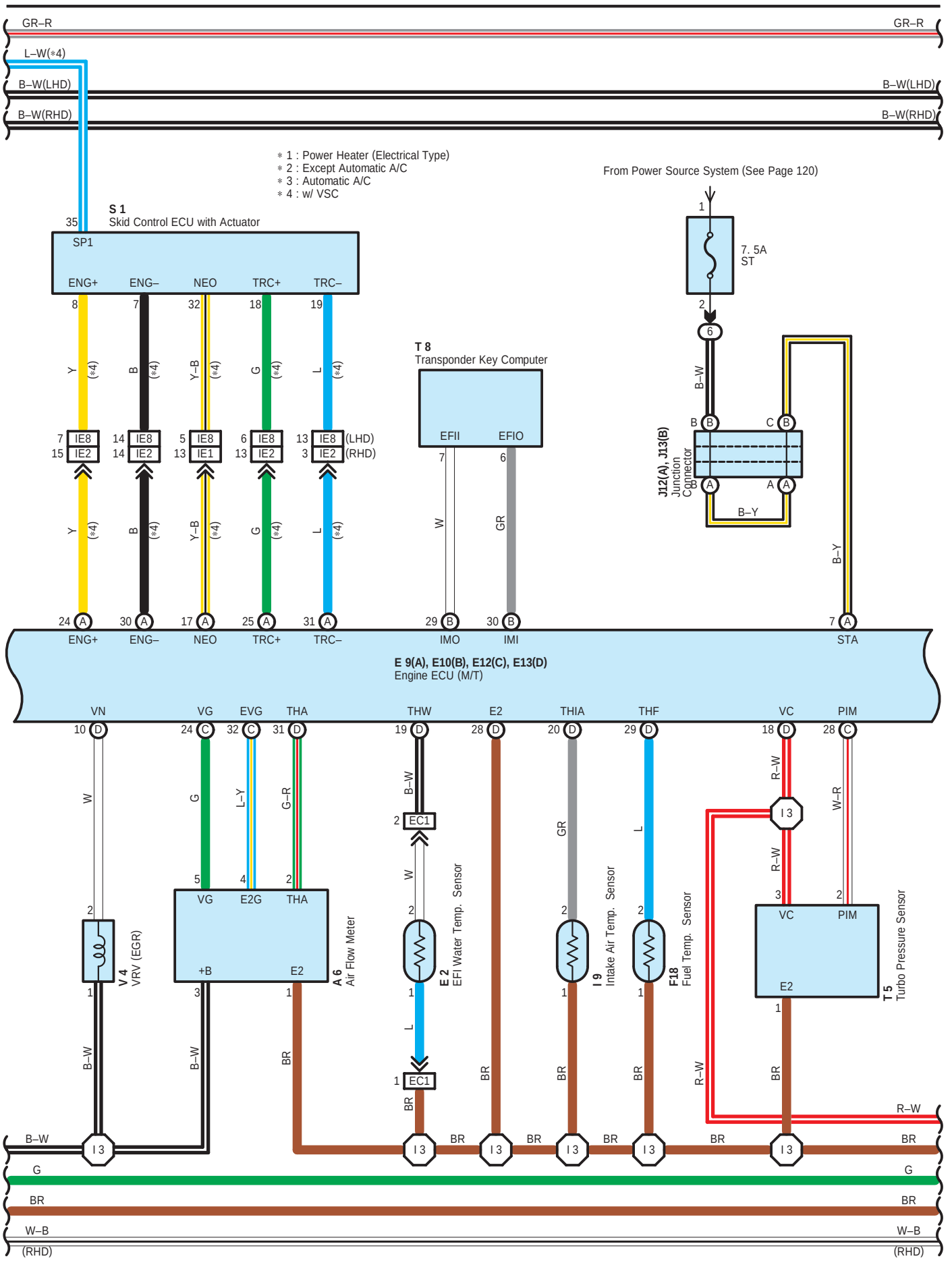

From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
J10(A), J11(B), J26(C)
Junction
Connector
C10(A), C11(B)
Combination Meter
Speedometer
Tachometer
Temp.
BEAN
I/F
Glow
Check Engine
CPU
MPX1
MPX2
I14
Integration Relay
IC1
IE1
CK
CA
CB
CD
CE
DB
SP1
S 2
Skid Control ECU
with Actuator
IP
GR–R
B–Y
GR
R–W(LHD)
R–W(RHD)
R
P
L–W(*4)
B–W
W–R
W–R (RHD)
W–R (LHD)
R–W
GR–R
P–B
W–B
W–B (RHD)
L–W
L–W (*5)
V–W
W
Y
G
BR
W–B(RHD)
* 4 : w/ VSC
* 5 : w/o VSC

http://vnx.su

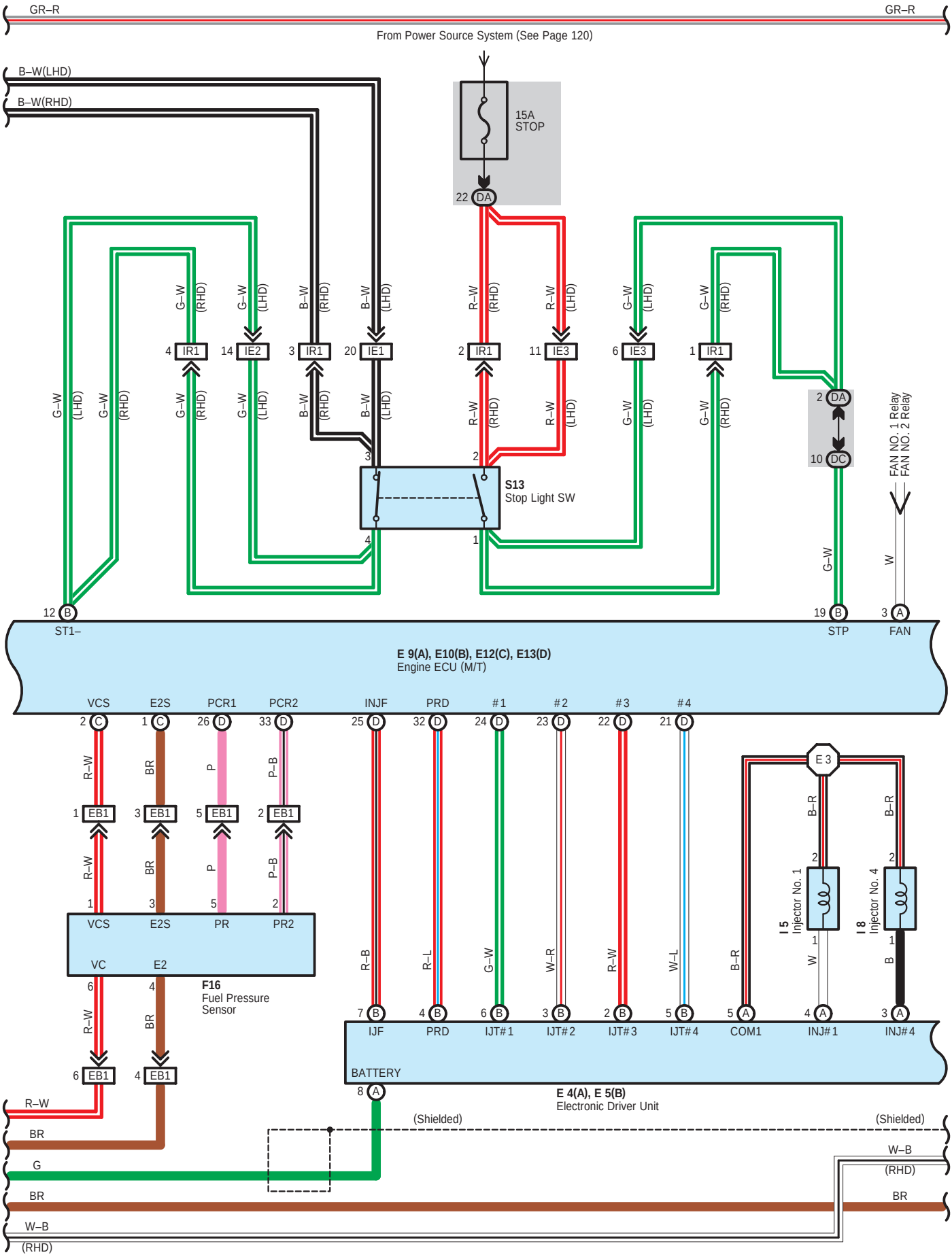
Engine Control (1CD–FTV)



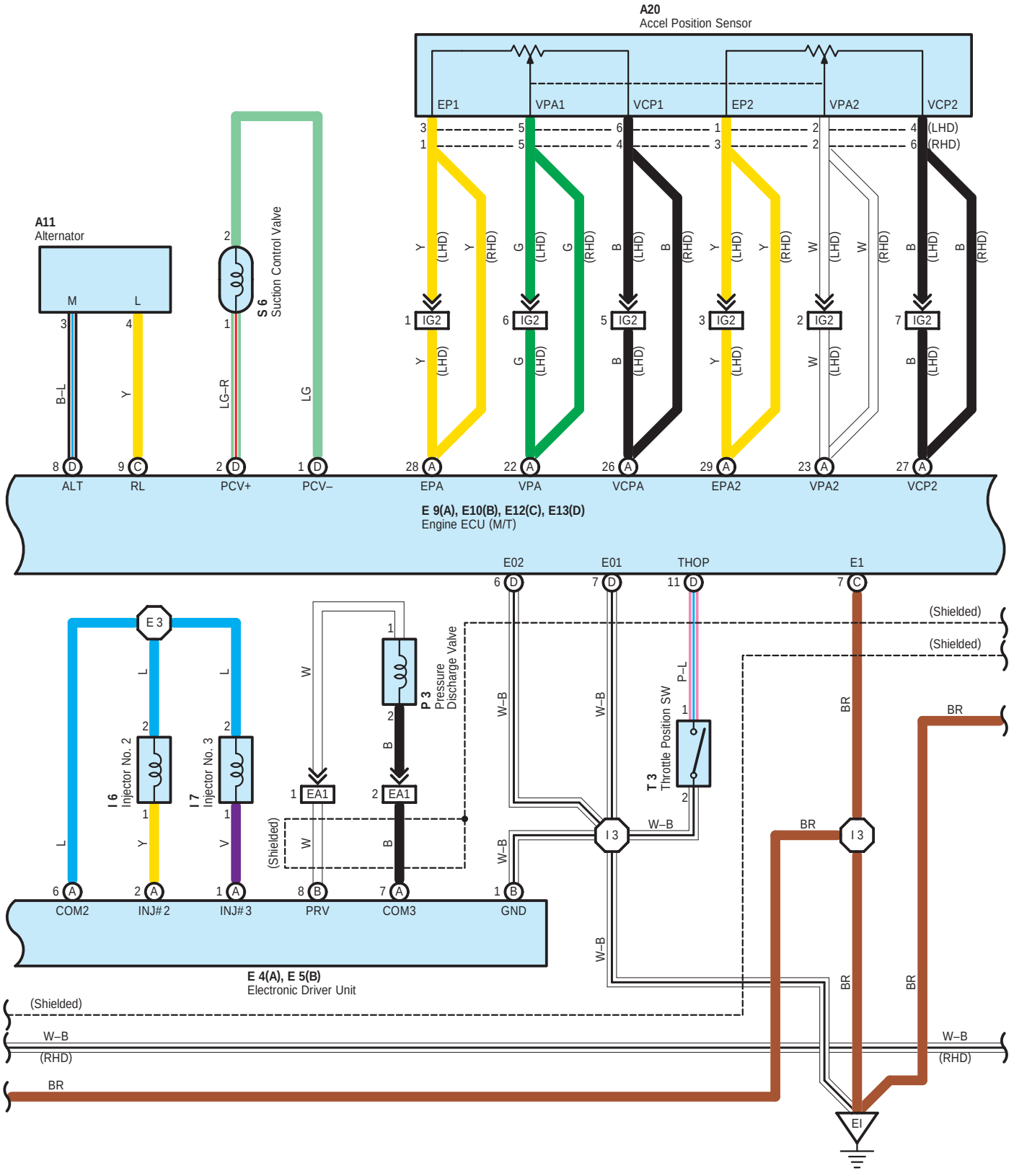
http://vnx.su


GR–R
GR–R
L–W(*4)
B–W(LHD)
B–W(LHD)
B–W(RHD)
B–W(RHD)
* 1 : Power Heater (Electrical Type)
* 2 : Except Automatic A/C
* 3 : Automatic A/C
* 4 : w/ VSC
From Power Source System (See Page 120)
S 1
Skid Control ECU with Actuator
SP1
ENG+
ENG–
NEO
TRC+
TRC–
7. 5A
ST
T 8
Transponder Key Computer
EFII
EFIO
J12(A), J13(B)
Junction Connector
(LHD)
(RHD)
IMO
IMI
STA
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
VN
VG
EVG
THA
THW
E2
THIA
THF
VC
PIM
V 4
VRV (EGR)
A 6
Air Flow Meter
E 2
EFI Water Temp. Sensor
I 9
Intake Air Temp. Sensor
F18
Fuel Temp. Sensor
T 5
Turbo Pressure Sensor
EC1
I 3
B–W
G
BR
W–B
(RHD)

http://vnx.su

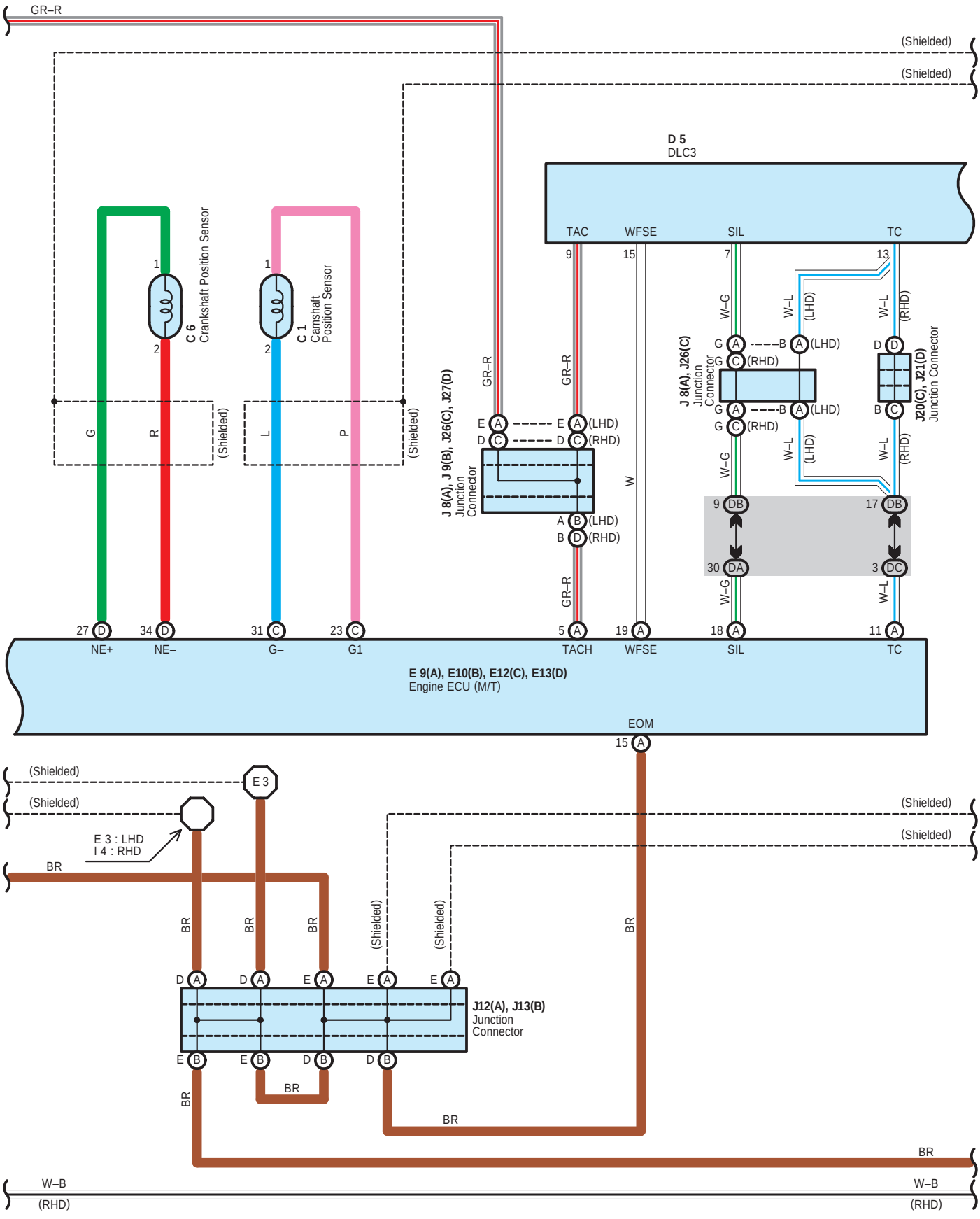

GR–R
GR–R
From Power Source System (See Page 120)
B–W(LHD)
B–W(RHD)
15A
STOP
22 DA
S13
Stop Light SW
2 DA
10 DC
FAN NO. 1 Relay
FAN NO. 2 Relay
12 B
ST1–
19 B
STP
3 A
FAN
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
VCS
E2S
PCR1
PCR2
INJF
PRD
#1
#2
#3
#4
F16
Fuel Pressure
Sensor
VC
E2
PR
PR2
BATTERY
IJF
PRD
IJT#1
IJT#2
IJT#3
IJT#4
COM1
INJ#1
INJ#4
I 5
Injector No. 1
I 8
Injector No. 4
E 3
E 4(A), E 5(B)
Electronic Driver Unit
(Shielded)
(Shielded)
W–B
(RHD)
W–B
(RHD)

http://vnx.su

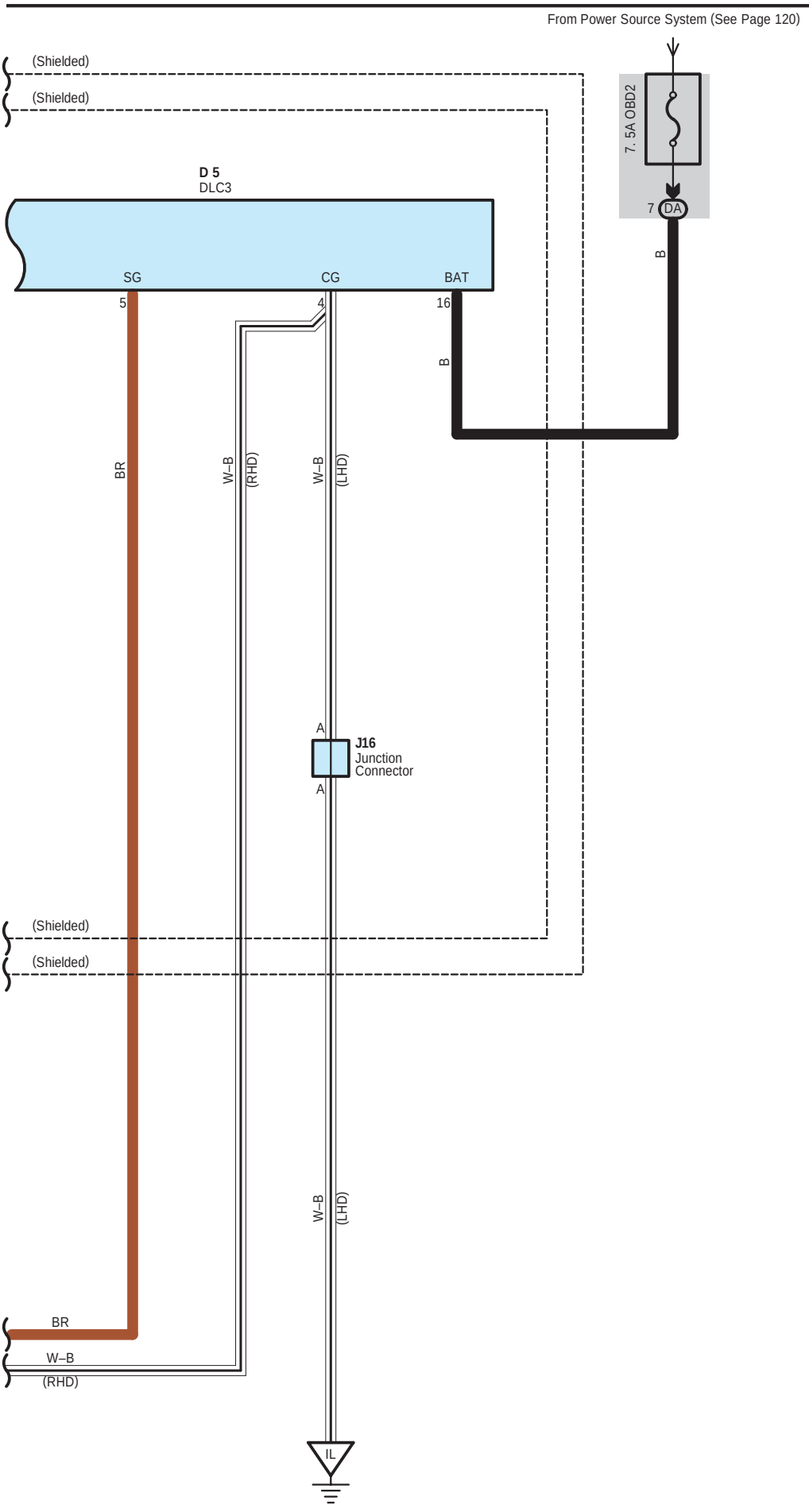

GR–R
GR–R
A20
Accel Position Sensor
EP1
VPA1
VCP1
EP2
VPA2
VCP2
(LHD)
(RHD)
A11
Alternator
M
L
S 6
Suction Control Valve
B–L
Y
LG–R
LG
IG2
ALT
RL
PCV+
PCV–
EPA
VPA
VCPA
EPA2
VPA2
VCP2
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
E02
E01
THOP
E1
E 3
I 6
Injector No. 2
I 7
Injector No. 3
P 3
Pressure Discharge Valve
EA1
T 3
Throttle Position SW
P–L
W–B
BR
(Shielded)
I 3
COM2
INJ#2
INJ#3
PRV
COM3
GND
E 4(A), E 5(B)
Electronic Driver Unit
EI

http://vnx.su

Engine Control (1CD–FTV)

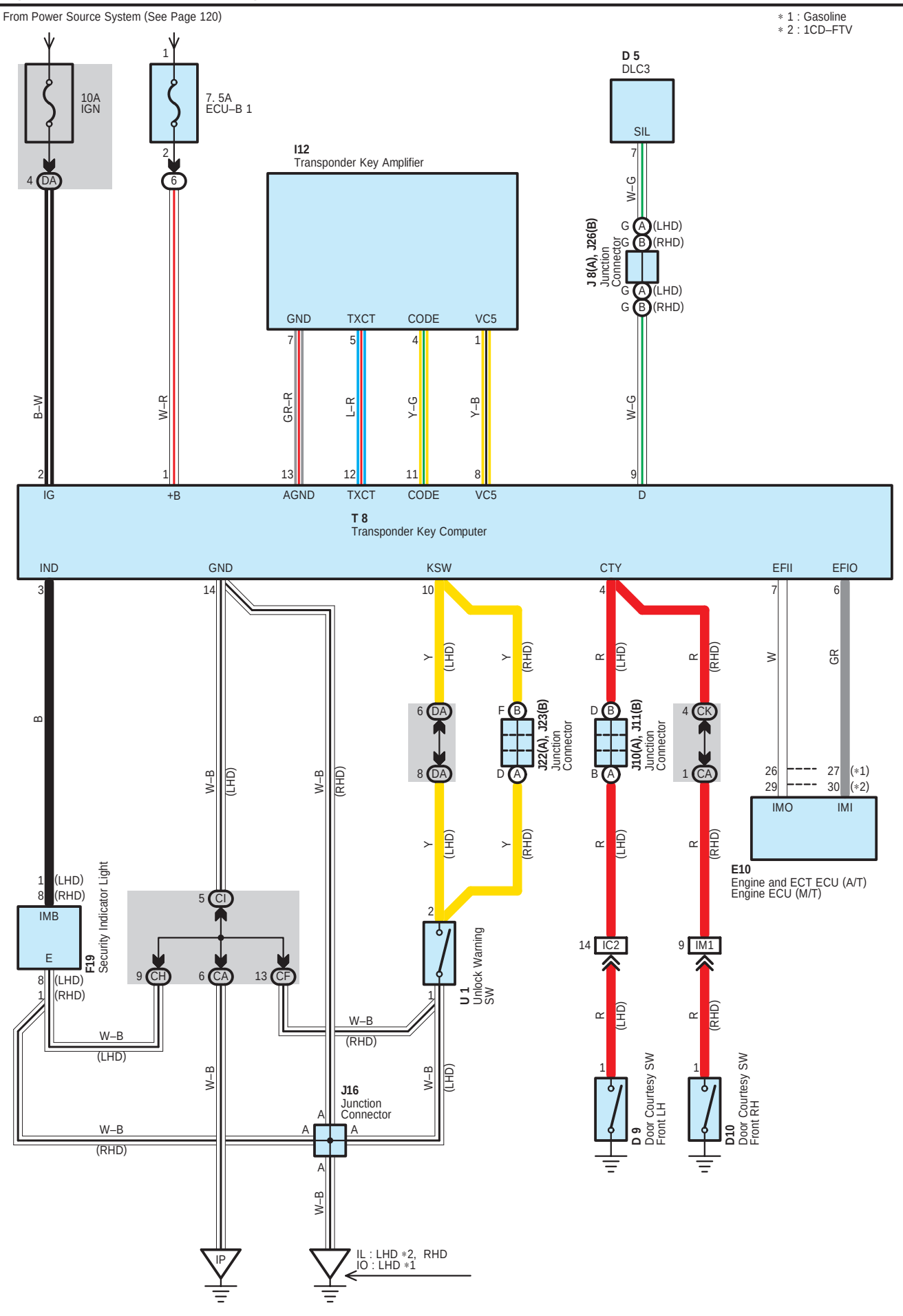


http://vnx.su


From Power Source System (See Page 120)
(Shielded)
(Shielded)
7. 5A OBD2
7
DA
B
D 5
DLC3
SG
CG
BAT
5
4
16
B
BR
W–B
(RHD)
W–B
(LHD)
A
J16
Junction
Connector
A
(Shielded)
(Shielded)
W–B
(LHD)
BR
W–B
(RHD)
IL

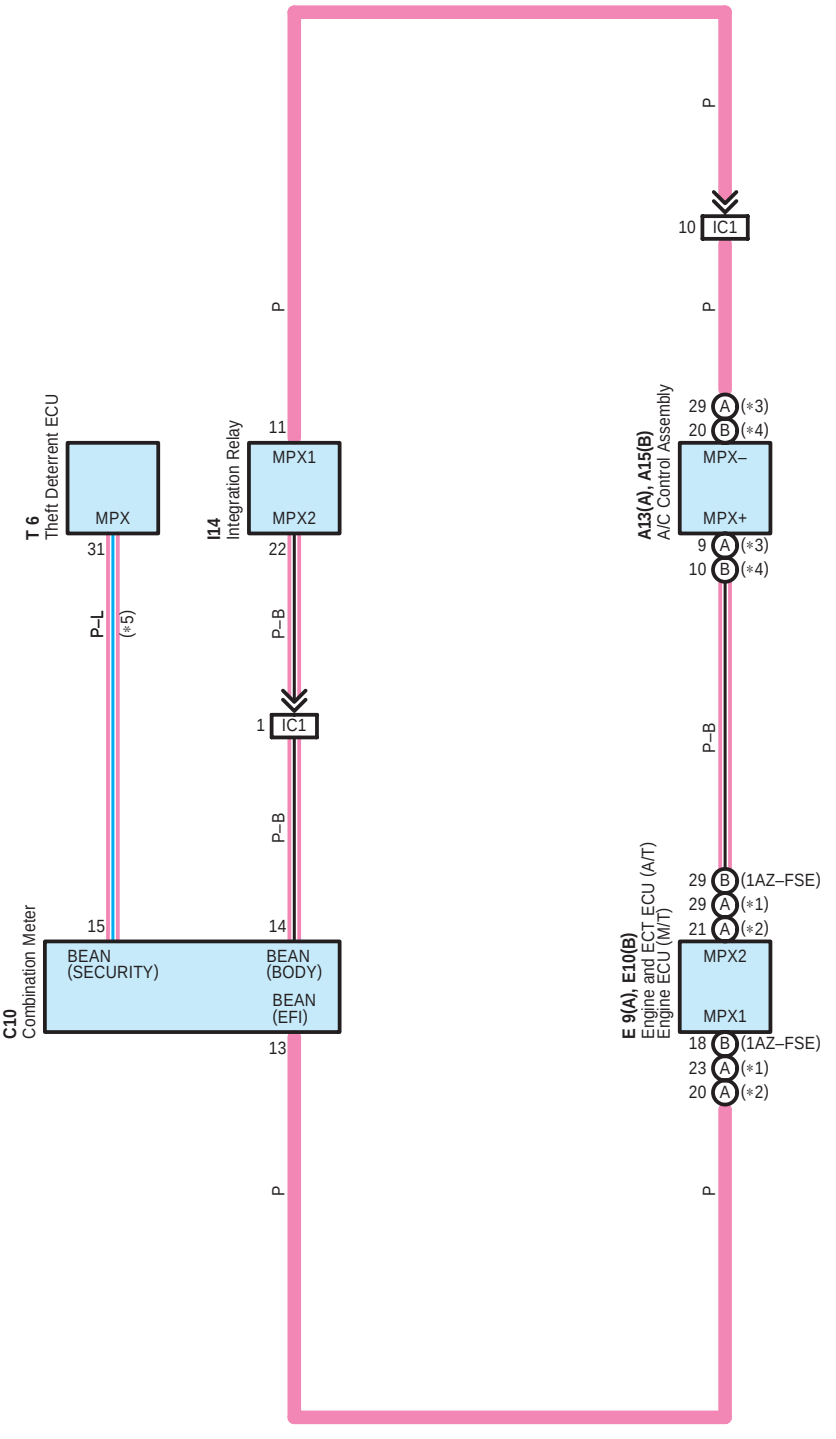
http://vnx.su

Engine Immobiliser System



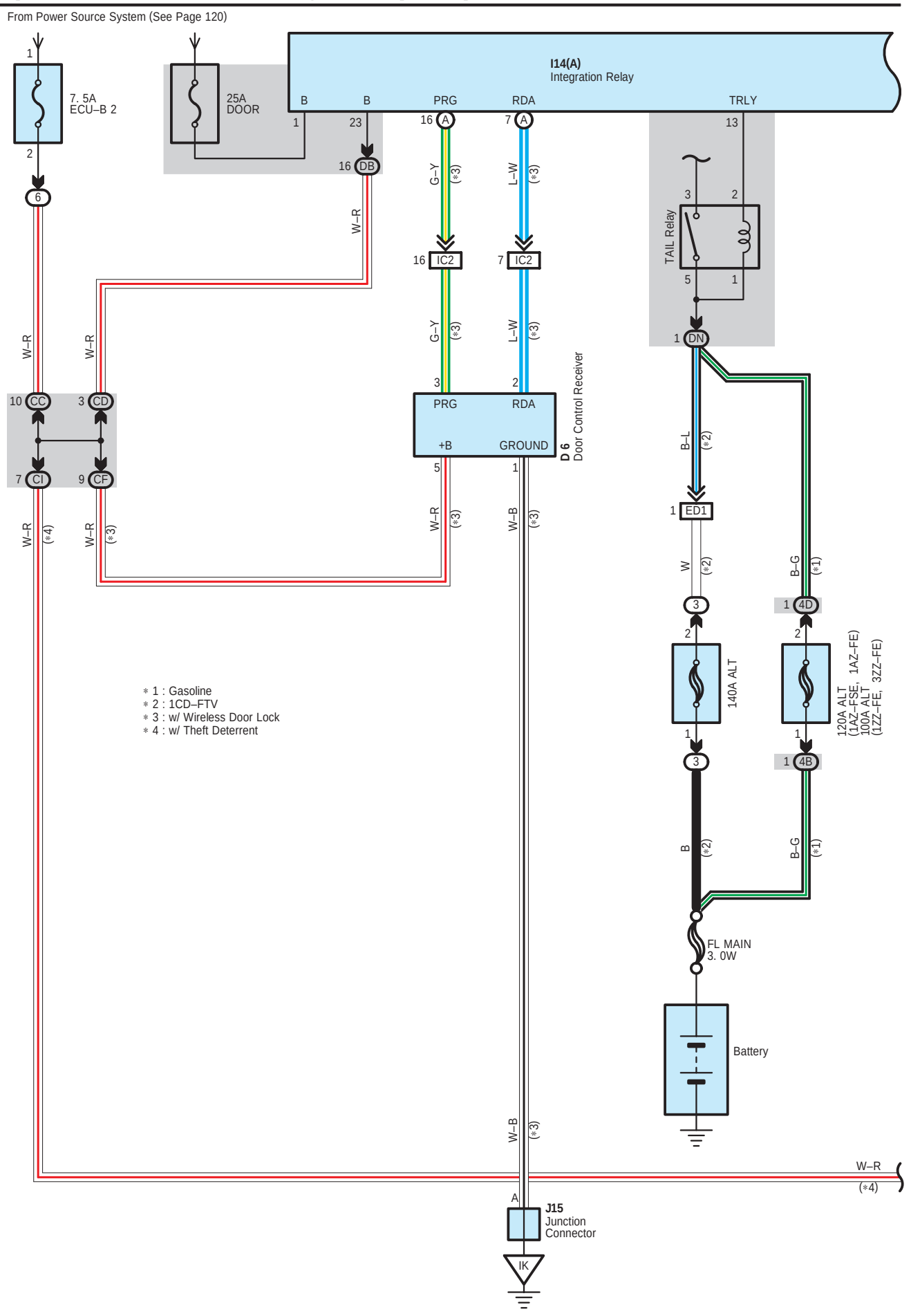
http://vnx.su

∗1 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗2 : 1CD–FTV
∗3 : Except Automatic A/C
∗4 : Automatic A/C
∗5 : w/ Theft Deterrent

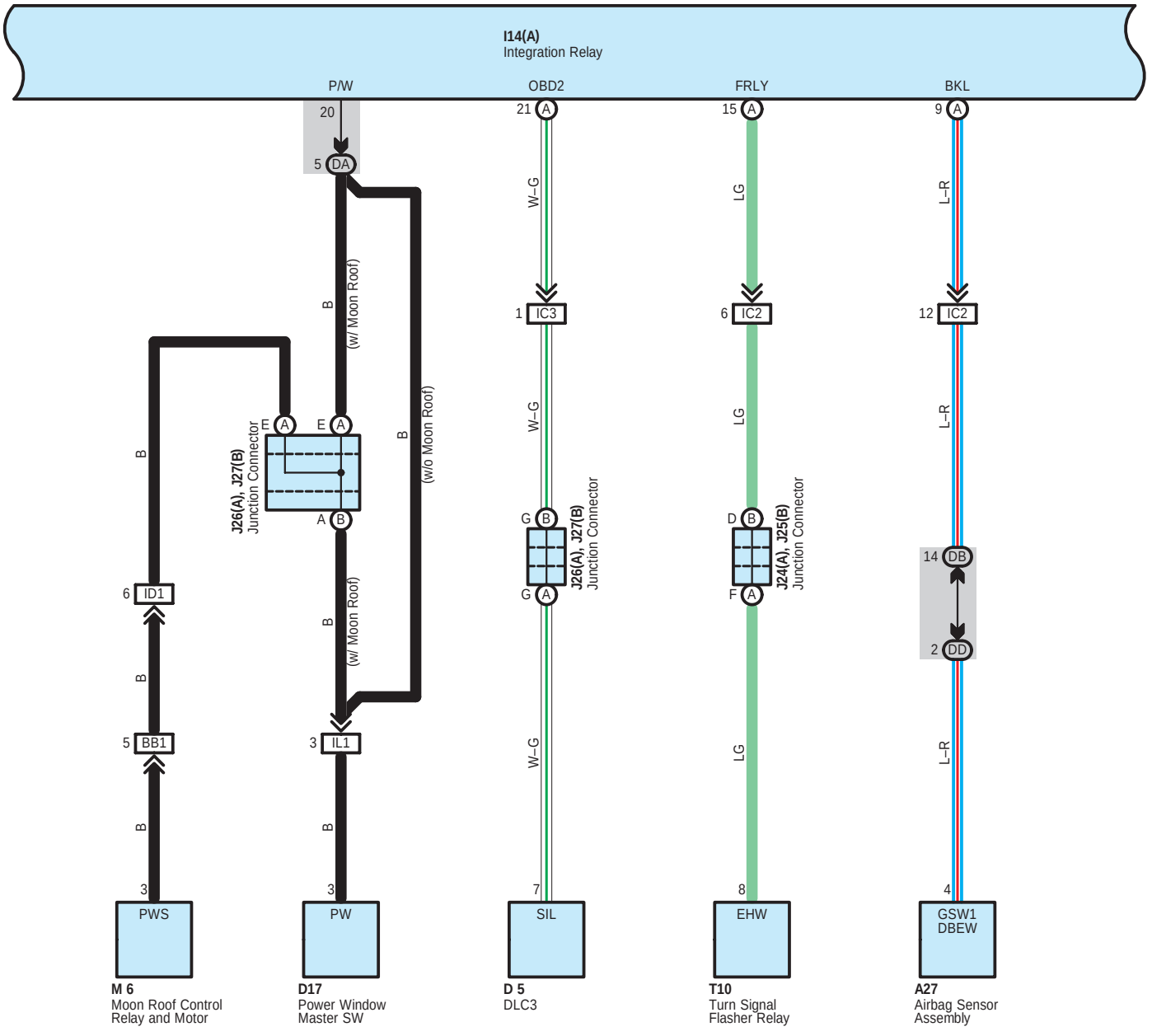


http://vnx.su

Multiplex Communication System (RHD)



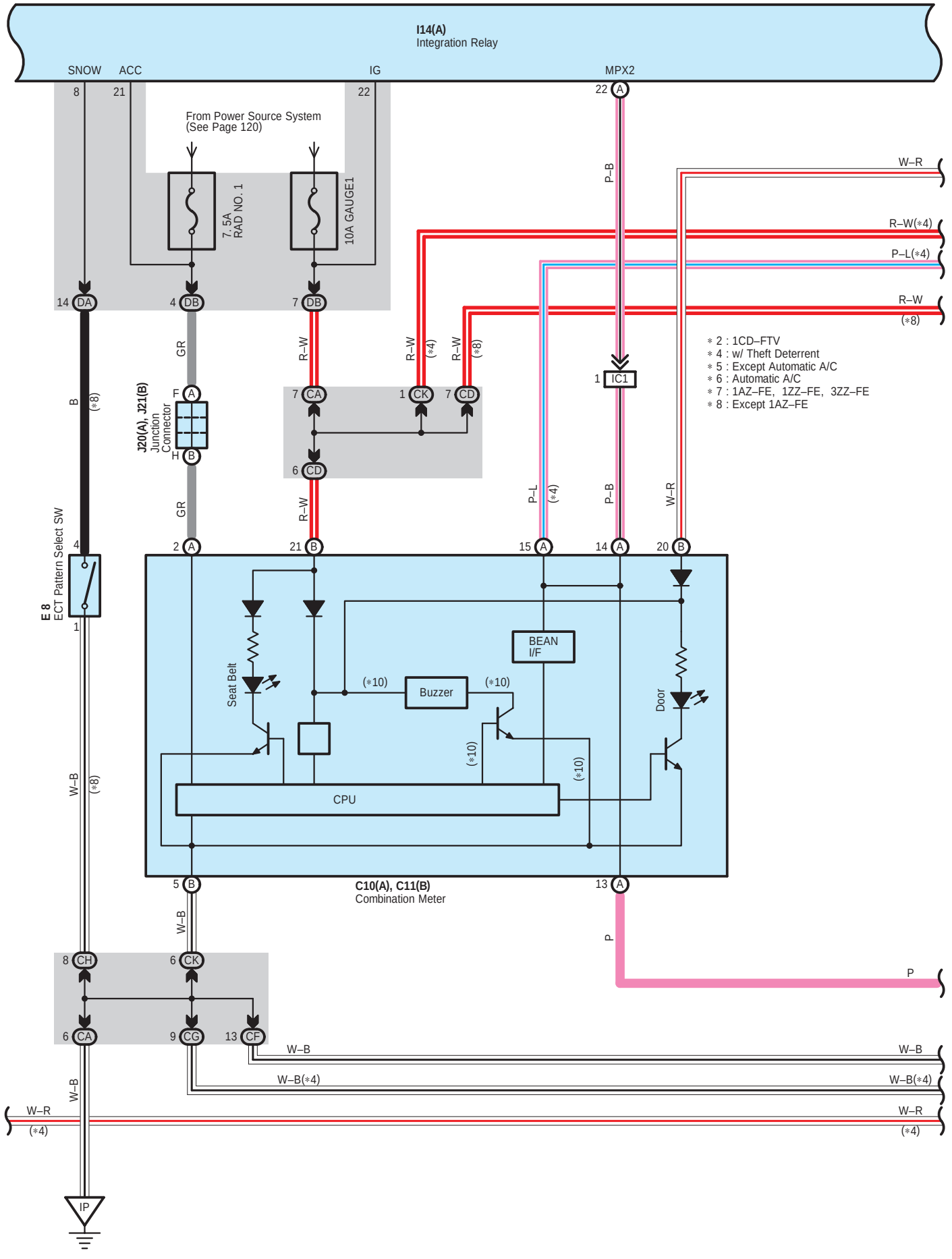
http://vnx.su


I14(A)
Integration Relay
P/W
OBD2
FRLY
BKL
20
5 DA
21 A
15 A
9 A
W–G
LG
L–R
B
(w/ Moon Roof)
(w/o Moon Roof)
1 IC3
6 IC2
12 IC2
J26(A), J27(B)
Junction Connector
J24(A), J25(B)
Junction Connector
E A
A B
G B
G A
D B
F A
14 DB
2 DD
6 ID1
5 BB1
3 IL1
3
7
8
4
PWS
PW
SIL
EHW
GSW1
DBEW
M 6
Moon Roof Control
Relay and Motor
D17
Power Window
Master SW
D 5
DLC3
T10
Turn Signal
Flasher Relay
A27
Airbag Sensor
Assembly

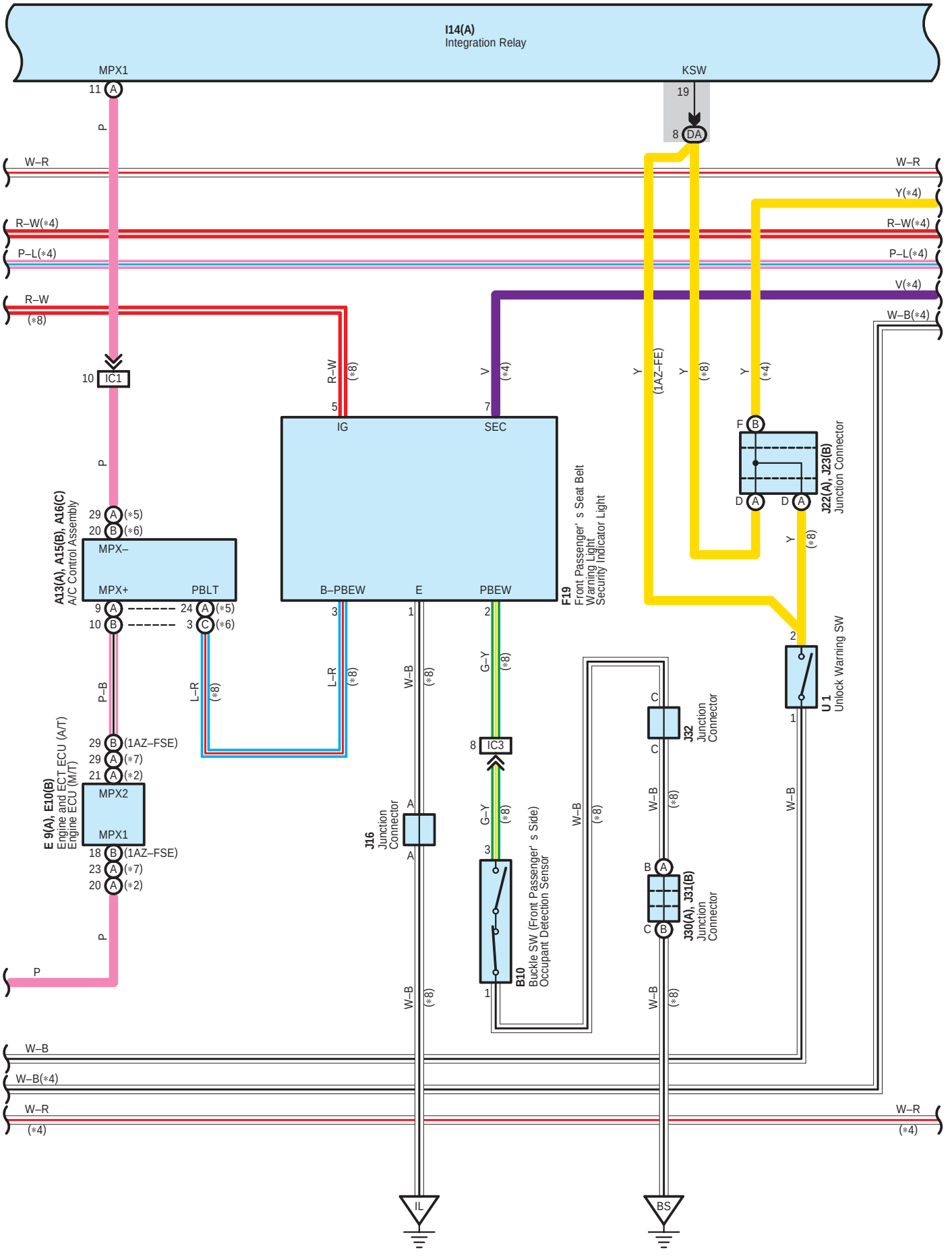

W–R
(*4)
W–R
(*4)

http://vnx.su

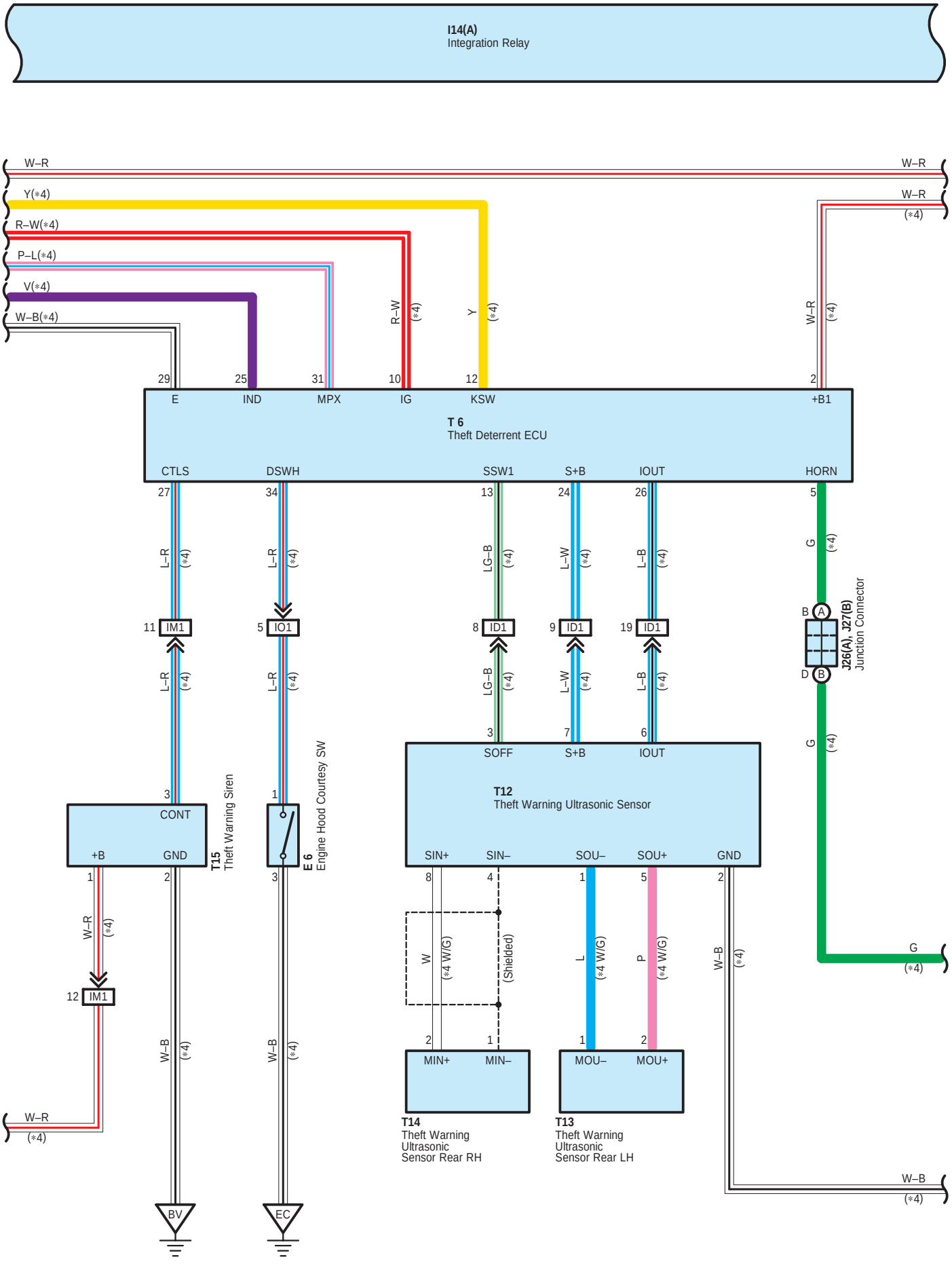
Multiplex Communication System (RHD)



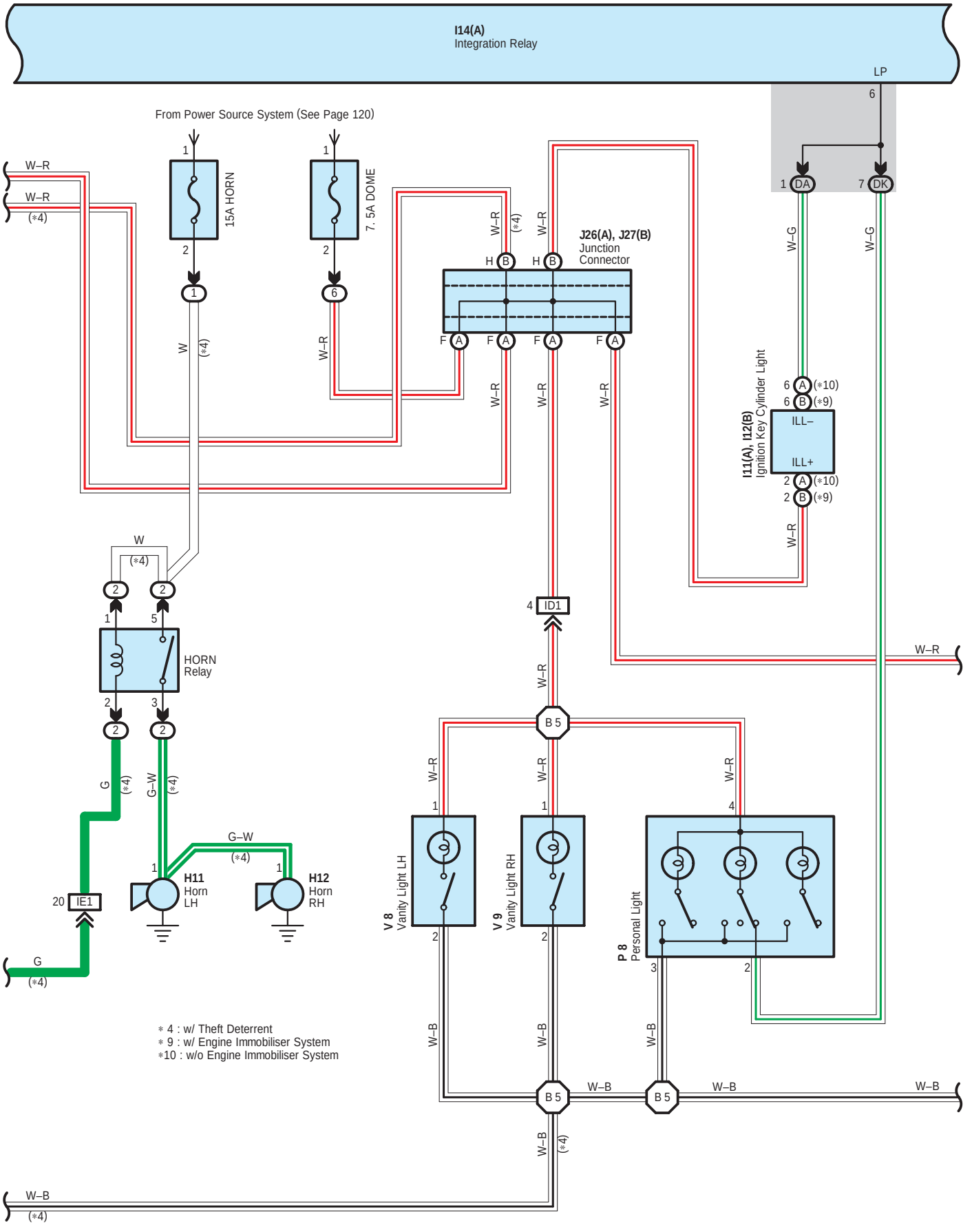
http://vnx.su


I14(A)
Integration Relay
MPX1
11 A
P
KSW
19
8 DA
W–R
R–W(*4)
P–L(*4)
R–W
(*8)
Y(*4)
V(*4)
W–B(*4)
10 IC1
R–W
(*8)
5
IG
V
(*4)
7
SEC
Y
(1AZ–FE)
Y
(*8)
Y
(*4)
F B
D A
D A
J22(A), J23(B)
Junction Connector
A13(A), A15(B), A16(C)
A/C Control Assembly
29 A (*5)
20 B (*6)
MPX–
MPX+
PBLT
9 A
10 B
24 A (*5)
3 C (*6)
B–PBEW
E
PBEW
F19
Front Passenger' s Seat Belt
Warning Light
Security Indicator Light
3
1
2
L–R
(*8)
L–R
(*8)
W–B
(*8)
G–Y
(*8)
Y
(*8)
2
U 1
Unlock Warning SW
1
P–B
C
J32
Junction
Connector
C
8 IC3
G–Y
(*8)
W–B
(*8)
W–B
(*8)
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
29 B (1AZ–FSE)
29 A (*7)
21 A (*2)
MPX2
MPX1
18 B (1AZ–FSE)
23 A (*7)
20 A (*2)
A
J16
Junction
Connector
A
3
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
1
B A
C B
J30(A), J31(B)
Junction
Connector
P
P
W–B
W–B(*4)
W–R
(*4)
W–R
(*4)
IL
BS

http://vnx.su

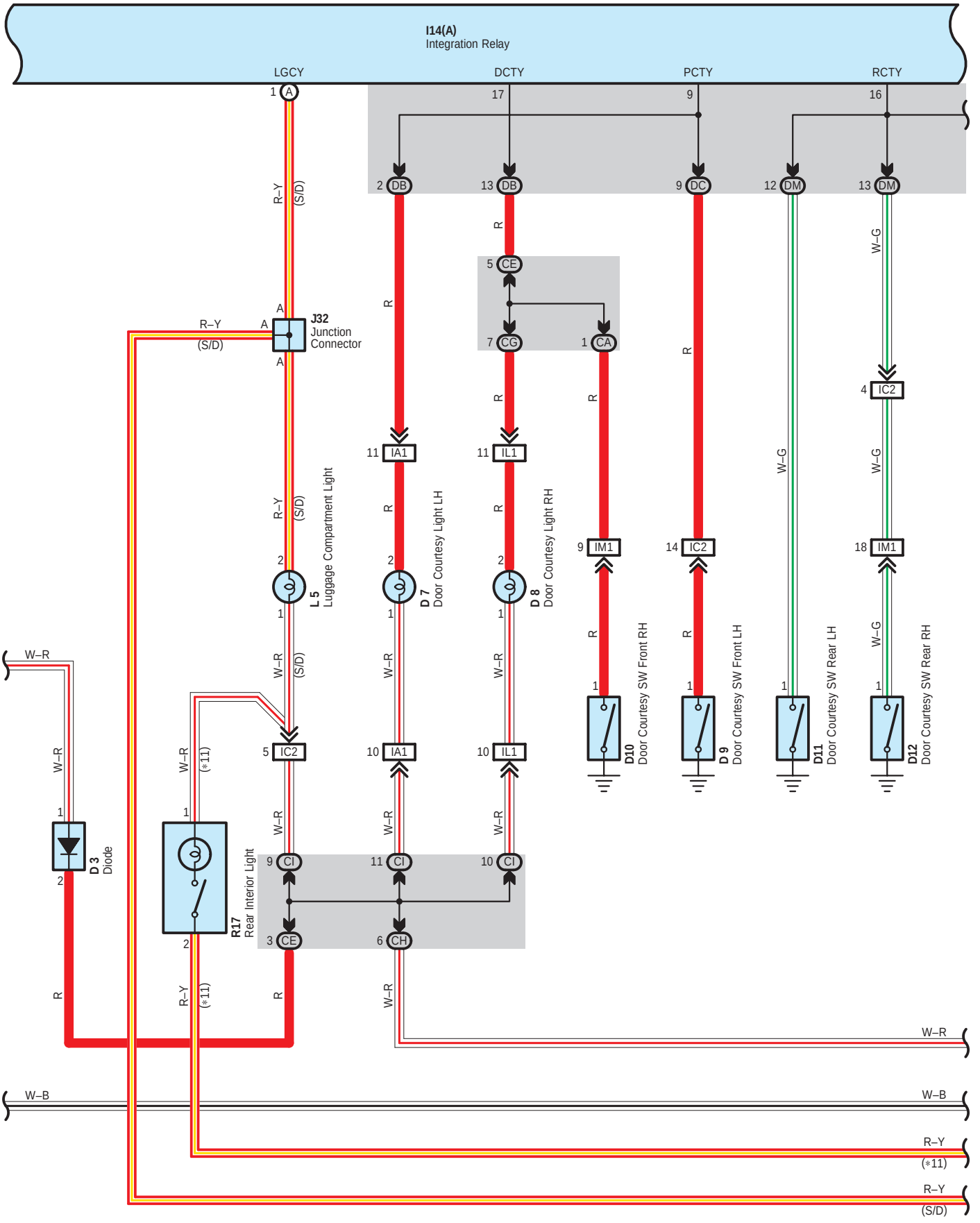

I14(A)
Integration Relay
W–R
Y(∗4)
R–W(∗4)
P–L(∗4)
V(∗4)
W–B(∗4)
R–W (∗4)
Y (∗4)
W–R (∗4)
W–R
W–R (∗4)
29 E
25 IND
31 MPX
10 IG
12 KSW
2 +B1
T 6
Theft Deterrent ECU
CTLS
DSWH
SSW1
S+B
IOUT
HORN
27
34
13
24
26
5
L–R (∗4)
LG–B (∗4)
L–W (∗4)
L–B (∗4)
G (∗4)
11 IM1
5 IO1
8 ID1
9 ID1
19 ID1
B A
D B
J26(A), J27(B)
Junction Connector
3 CONT
1
3 SOFF
7 S+B
6 IOUT
T12
Theft Warning Ultrasonic Sensor
T15
Theft Warning Siren
E 6
Engine Hood Courtesy SW
+B
GND
SIN+
SIN–
SOU–
SOU+
GND
1
2
8
4
1
5
2
W–R (∗4)
W (∗4 W/G)
(Shielded)
L (∗4 W/G)
P (∗4 W/G)
W–B (∗4)
G (∗4)
12 IM1
W–B (∗4)
W–B (∗4)
2
1
1
2
MIN+
MIN–
MOU–
MOU+
W–R (∗4)
T14
Theft Warning Ultrasonic Sensor Rear RH
T13
Theft Warning Ultrasonic Sensor Rear LH
W–B (∗4)
BV
EC

http://vnx.su

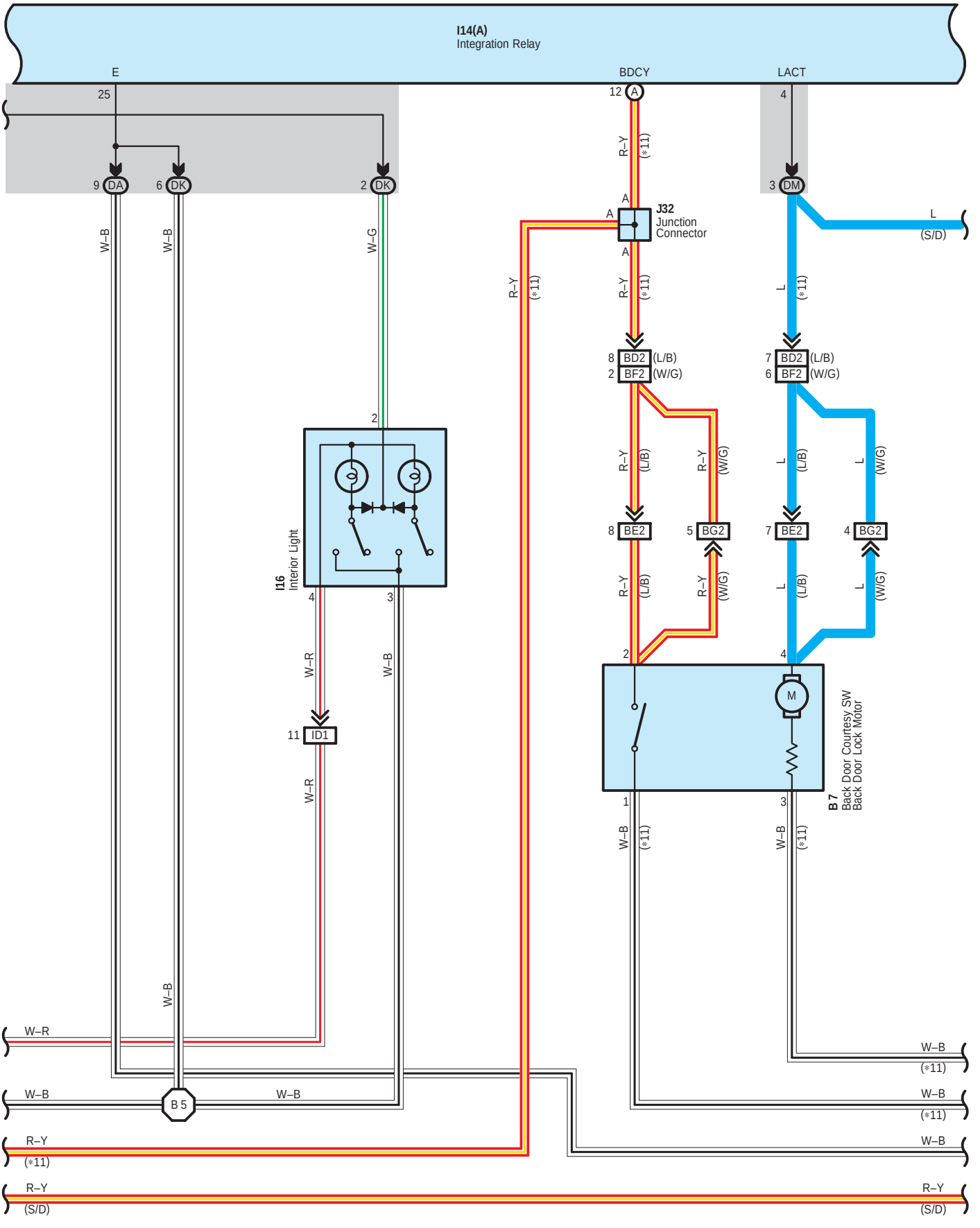

I14(A)
Integration Relay
LP
From Power Source System (See Page 120)
15A HORN
7. 5A DOME
J26(A), J27(B)
Junction
Connector
I11(A), I12(B)
Ignition Key Cylinder Light
ILL–
ILL+
HORN
Relay
ID1
B 5
V 8
Vanity Light LH
V 9
Vanity Light RH
P 8
Personal Light
H11
Horn
LH
H12
Horn
RH
IE1
W–R
W–B
W–G
G
G–W
W
(∗4)
∗ 4 : w/ Theft Deterrent
∗ 9 : w/ Engine Immobiliser System
∗10 : w/o Engine Immobiliser System

http://vnx.su

Multiplex Communication System (RHD)



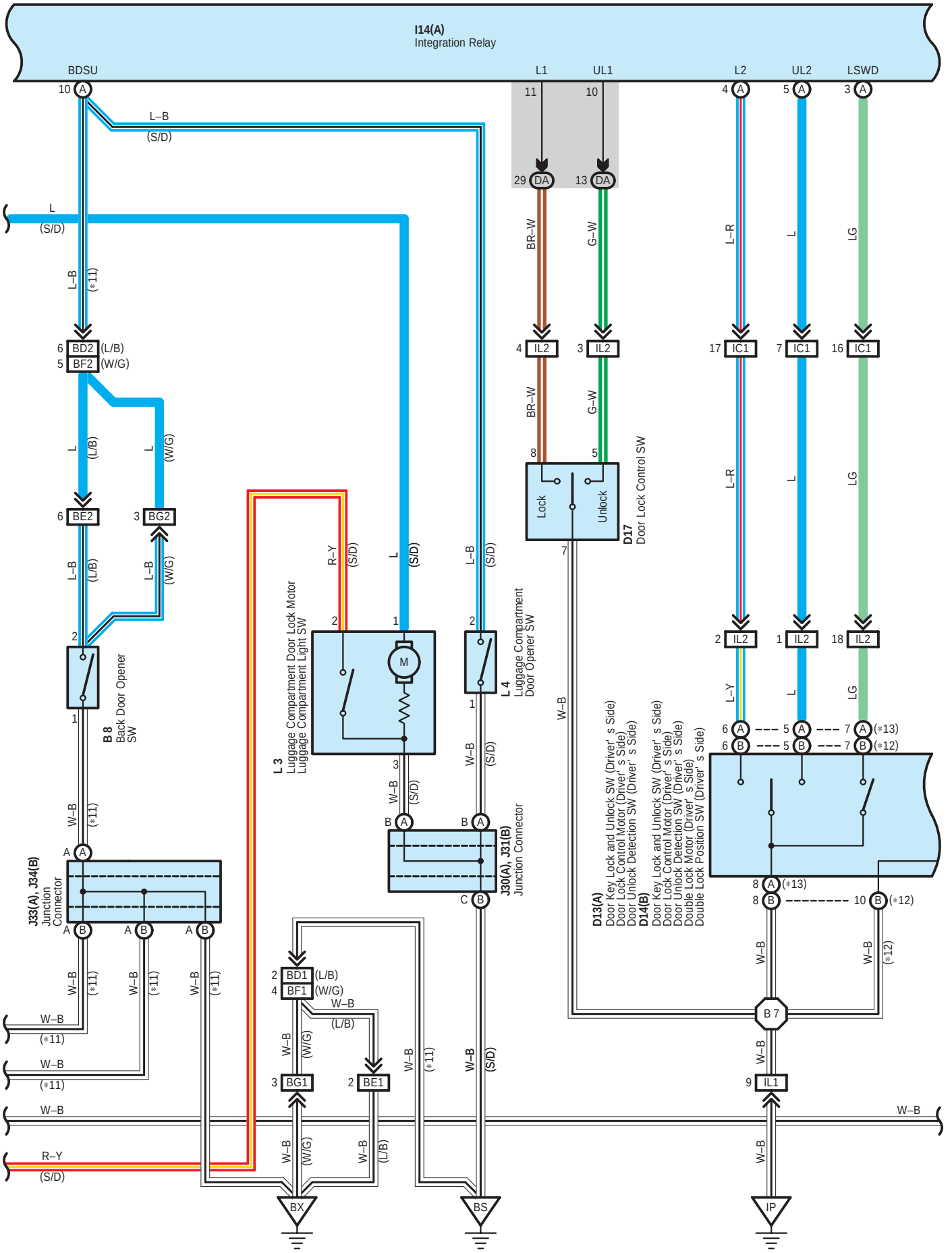
http://vnx.su



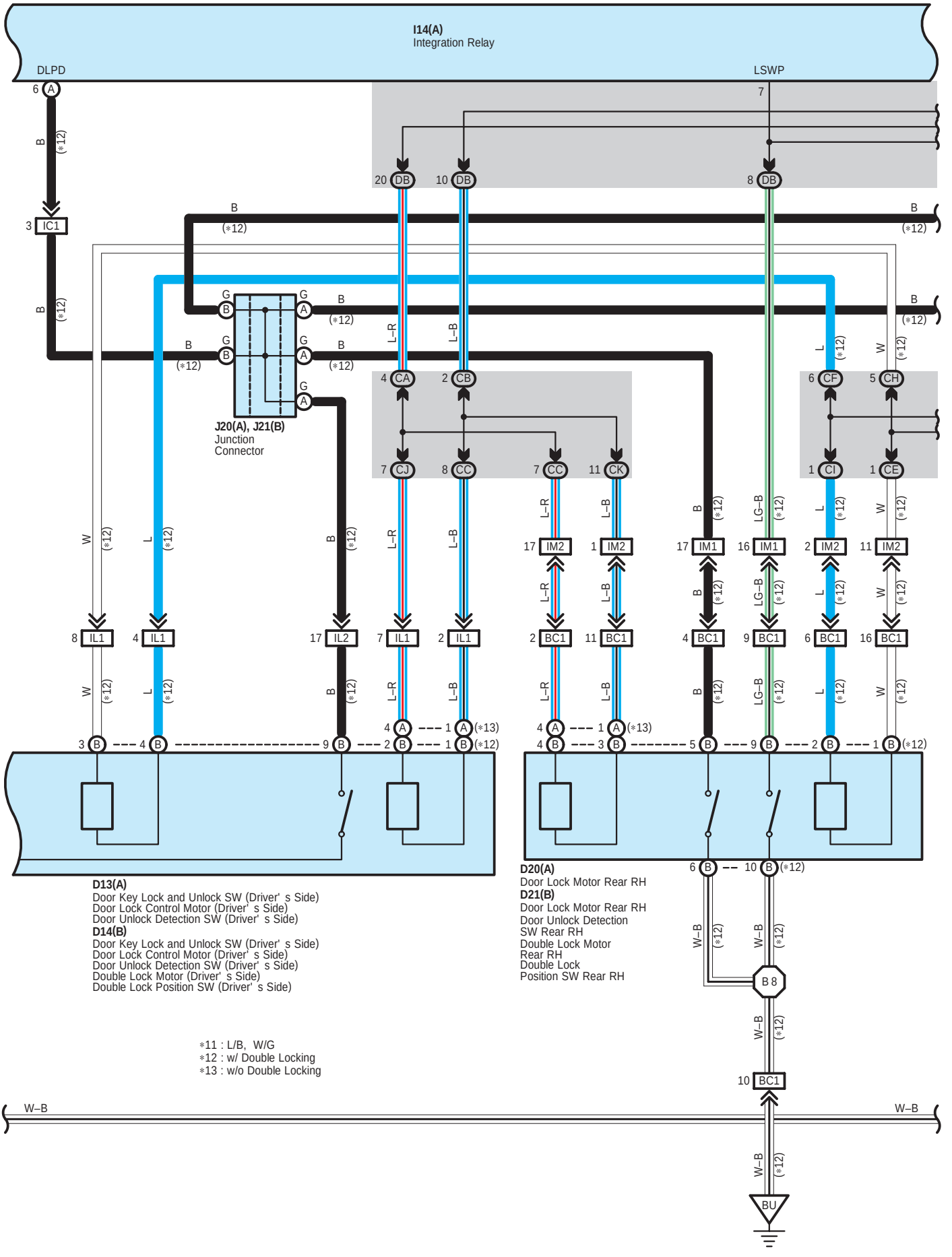
*11 : L/B, W/G

http://vnx.su

Multiplex Communication System (RHD)

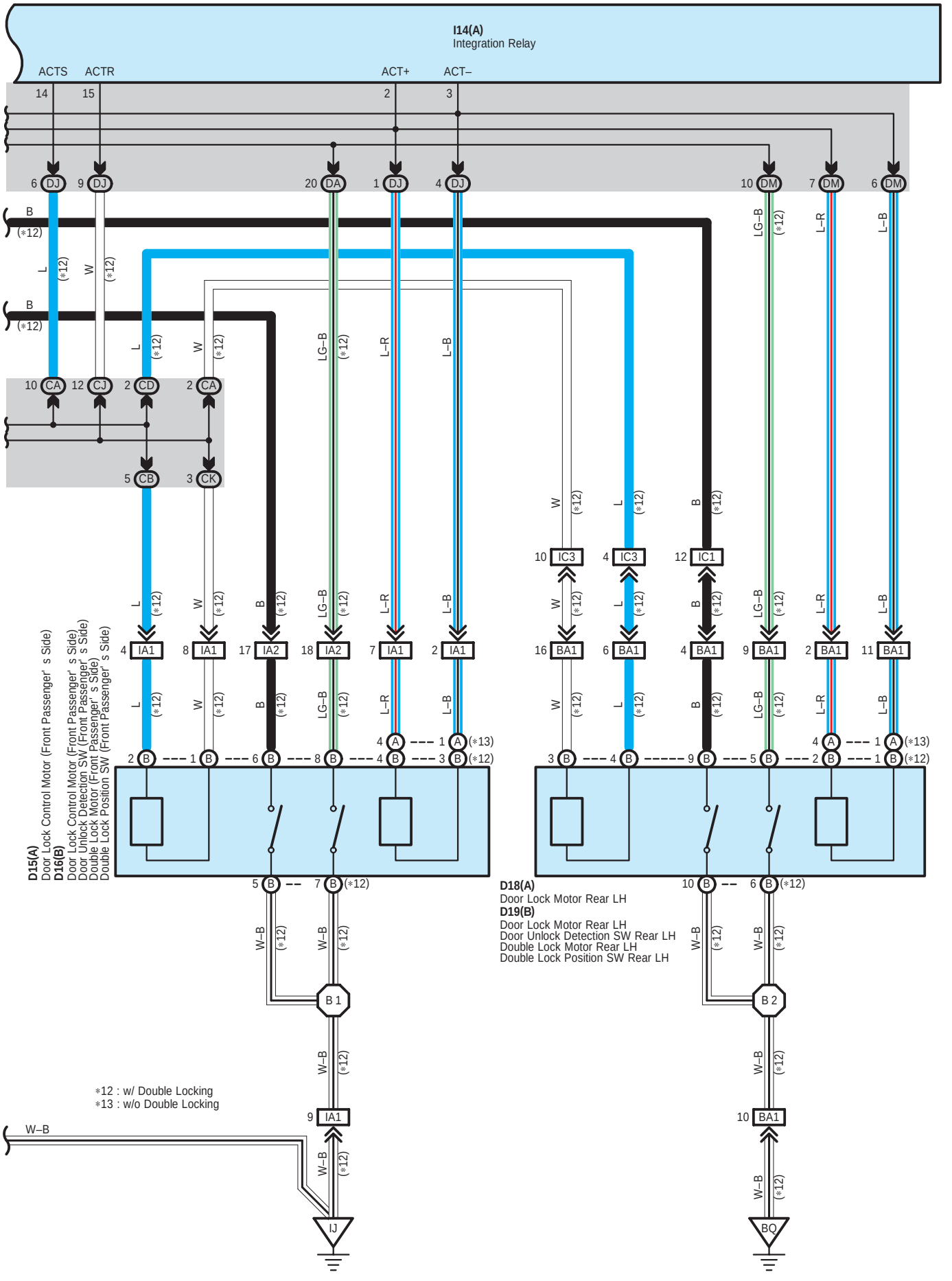


http://vnx.su


I14(A)
Integration Relay
DLPD
LSWP
J20(A), J21(B)
Junction
Connector
D13(A)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D14(B)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
Double Lock Motor (Driver' s Side)
Double Lock Position SW (Driver' s Side)
D20(A)
Door Lock Motor Rear RH
D21(B)
Door Lock Motor Rear RH
Door Unlock Detection
SW Rear RH
Double Lock Motor
Rear RH
Double Lock
Position SW Rear RH
∗11 : L/B, W/G
∗12 : w/ Double Locking
∗13 : w/o Double Locking

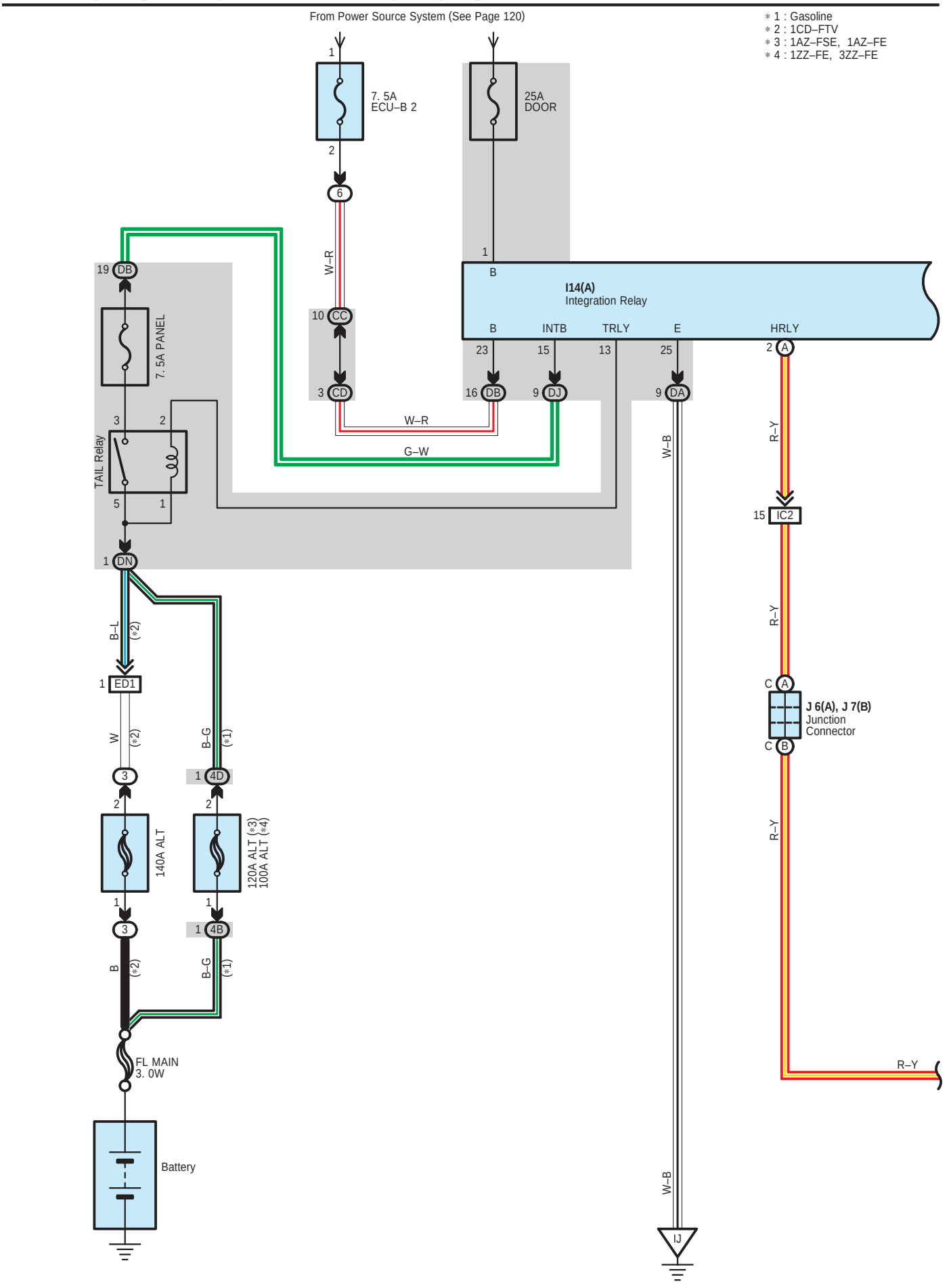
http://vnx.su

Multiplex Communication System (RHD)

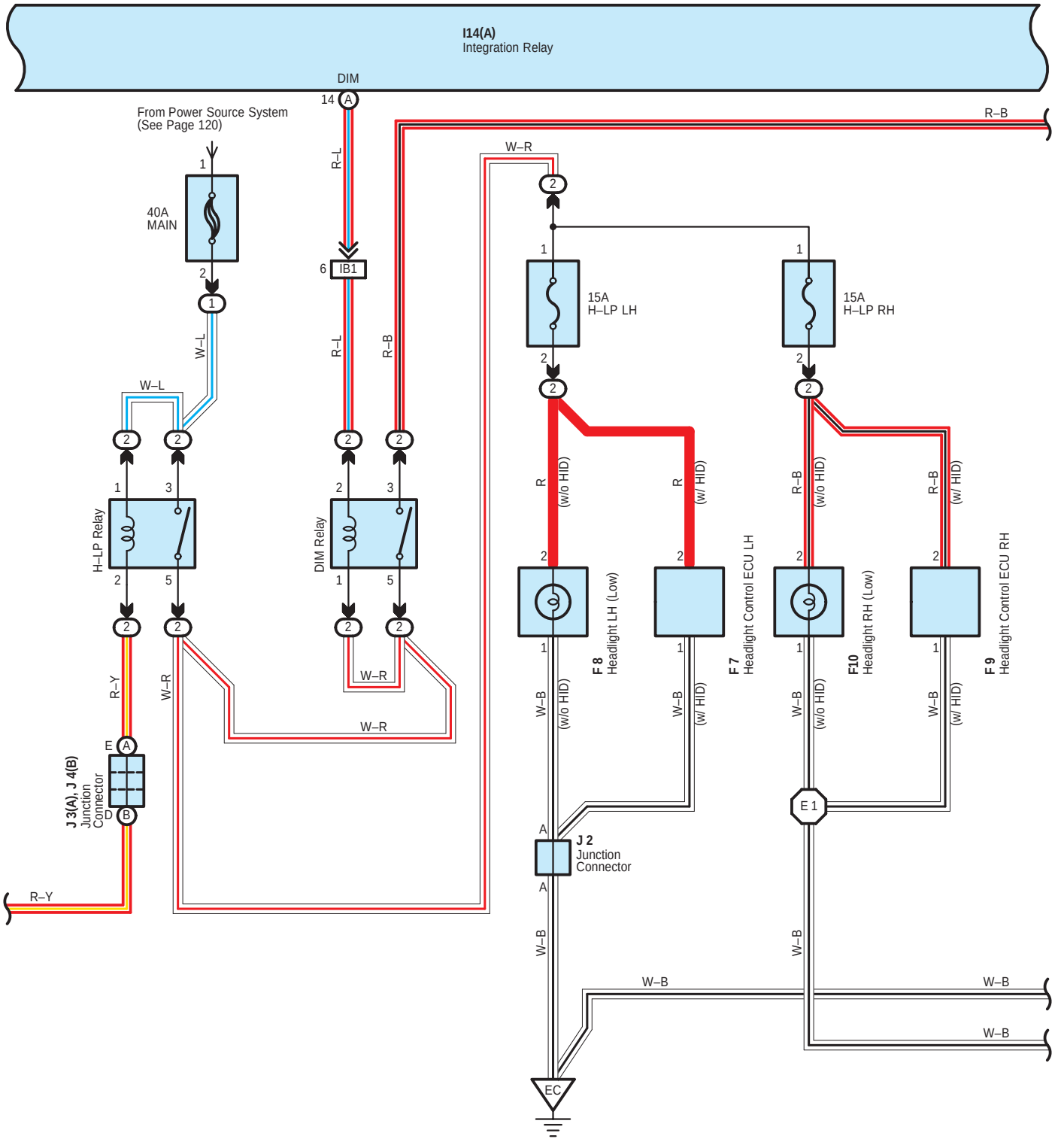


http://vnx.su

Headlight (w/ Daytime Running Light)

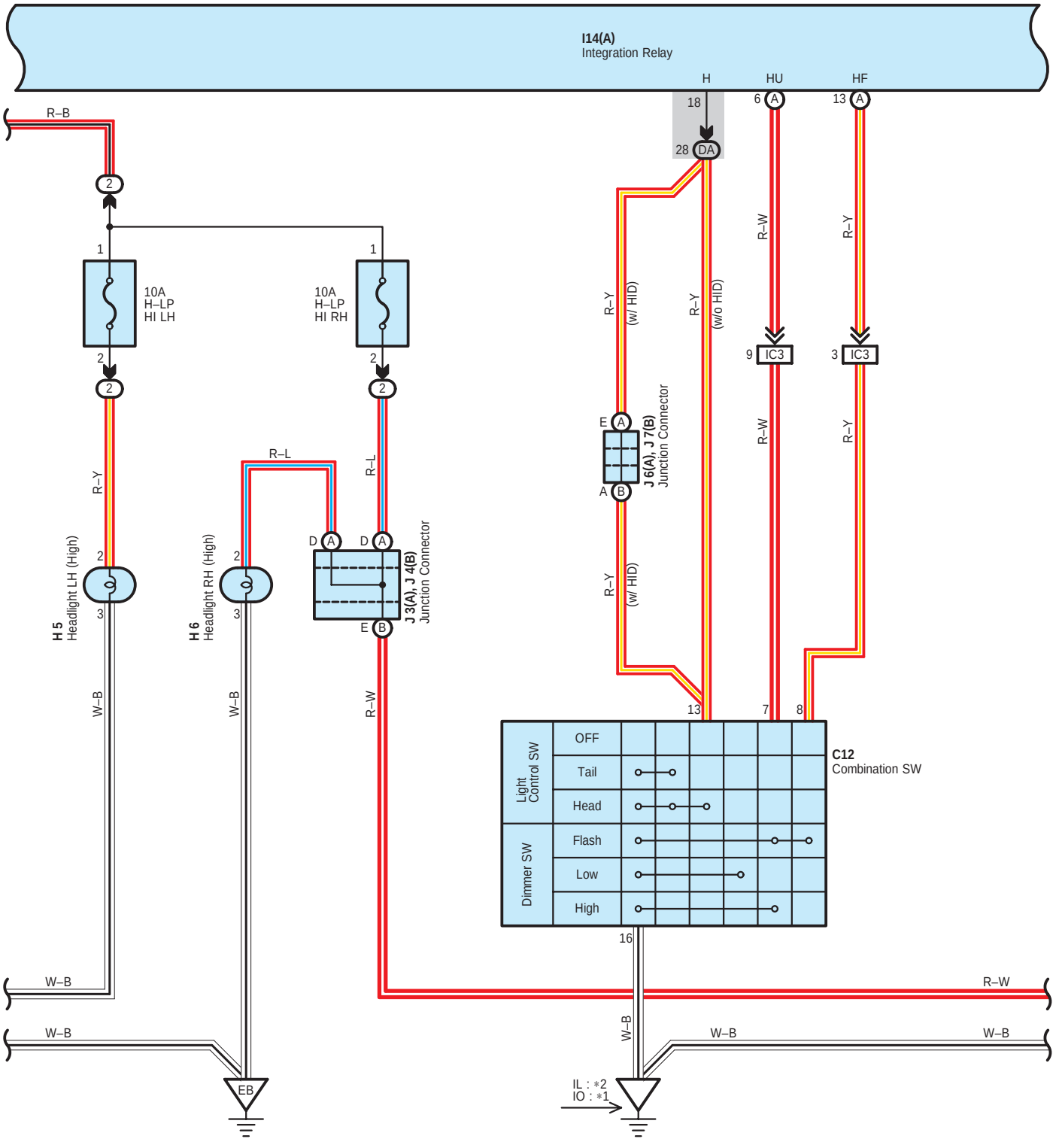


http://vnx.su

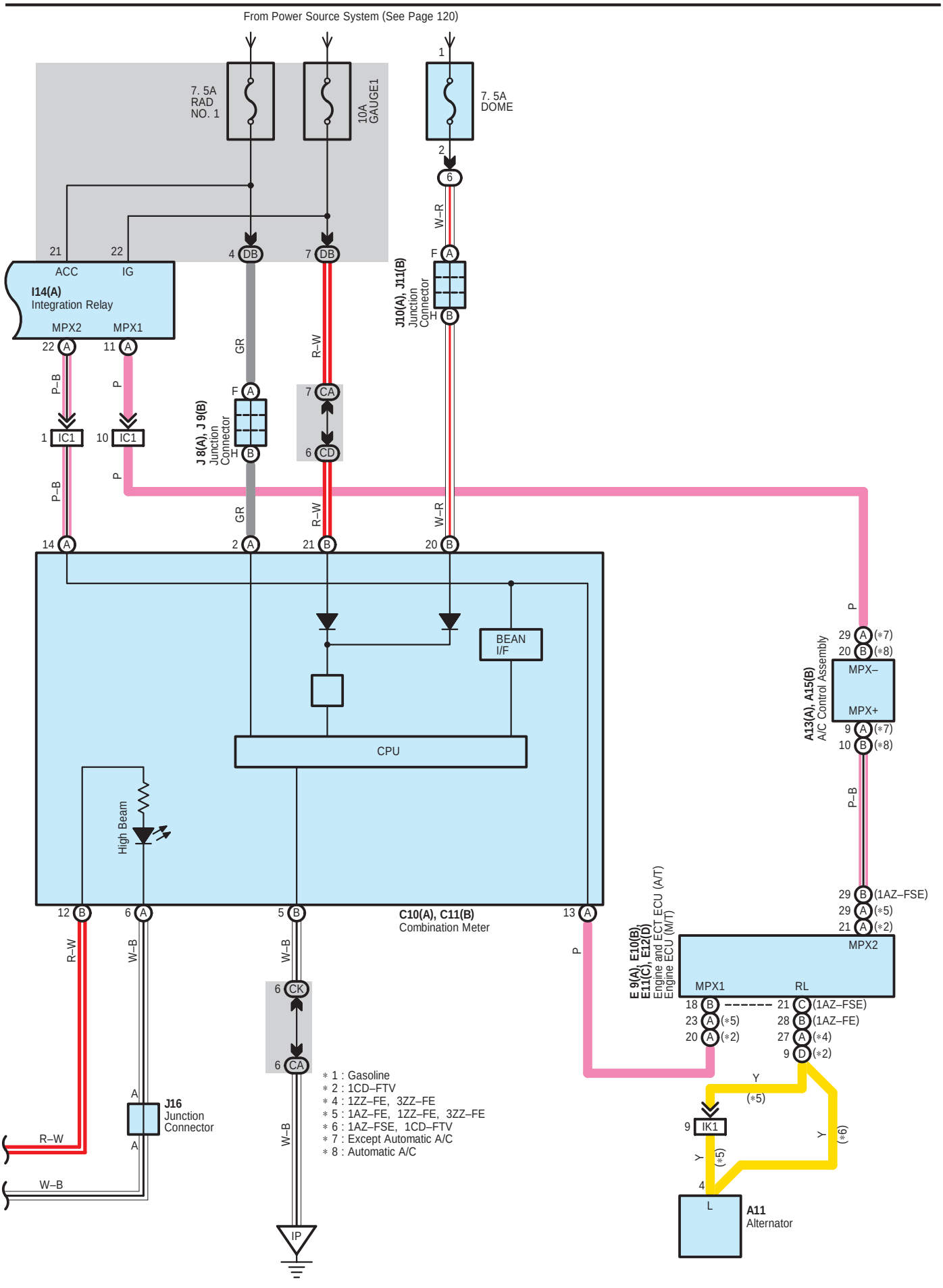

I14(A)
Integration Relay
DIM
14 A
From Power Source System
(See Page 120)
40A
MAIN
1
2
1
W–L
W–L
2
2
1
3
H–LP Relay
2
5
2
2
R–Y
E A
J 3(A), J 4(B)
Junction
Connector
D B
R–Y
W–R
W–R
W–R
R–L
6 IB1
R–L
R–B
2
2
2
3
DIM Relay
1
5
2
2
W–R
2
1
15A
H–LP LH
2
2
R
(w/o HID)
R
(w/ HID)
2
2
1
1
W–B
(w/o HID)
W–B
(w/ HID)
F 8
Headlight LH (Low)
F 7
Headlight Control ECU LH
A
J 2
Junction
Connector
A
W–B
1
1
15A
H–LP RH
2
2
R–B
(w/o HID)
R–B
(w/ HID)
2
2
1
1
W–B
(w/o HID)
W–B
(w/ HID)
F10
Headlight RH (Low)
F 9
Headlight Control ECU RH
E 1
W–B
W–B
W–B
EC

http://vnx.su

Headlight (w/ Daytime Running Light)



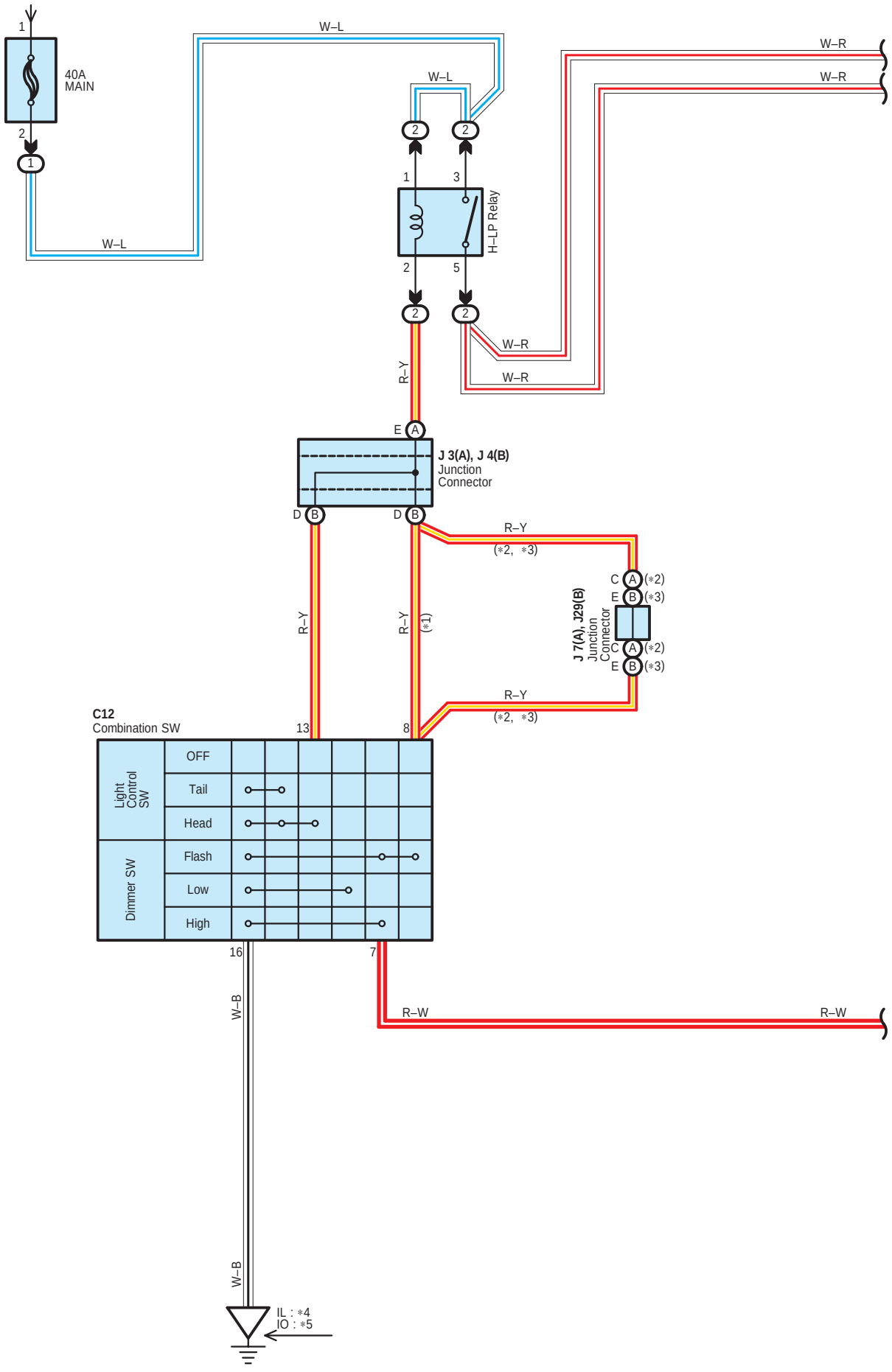
http://vnx.su


From Power Source System (See Page 120)
7. 5A
RAD
NO. 1
10A
GAUGE1
7. 5A
DOME
ACC
IG
I14(A)
Integration Relay
MPX2
MPX1
J10(A), J11(B)
Junction
Connector
J 8(A), J 9(B)
Junction
Connector
IC1
BEAN
I/F
CPU
High Beam
C10(A), C11(B)
Combination Meter
A13(A), A15(B)
A/C Control Assembly
MPX–
MPX+
E 9(A), E10(B),
E11(C), E12(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
MPX1
RL
MPX2
J16
Junction
Connector
IP
A11
Alternator
IK1
GR
R–W
W–R
P–B
P
W–B
Y
(1AZ–FSE)
(1AZ–FE)
(*1) : Gasoline
(*2) : 1CD–FTV
(*4) : 1ZZ–FE, 3ZZ–FE
(*5) : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
(*6) : 1AZ–FSE, 1CD–FTV
(*7) : Except Automatic A/C
(*8) : Automatic A/C

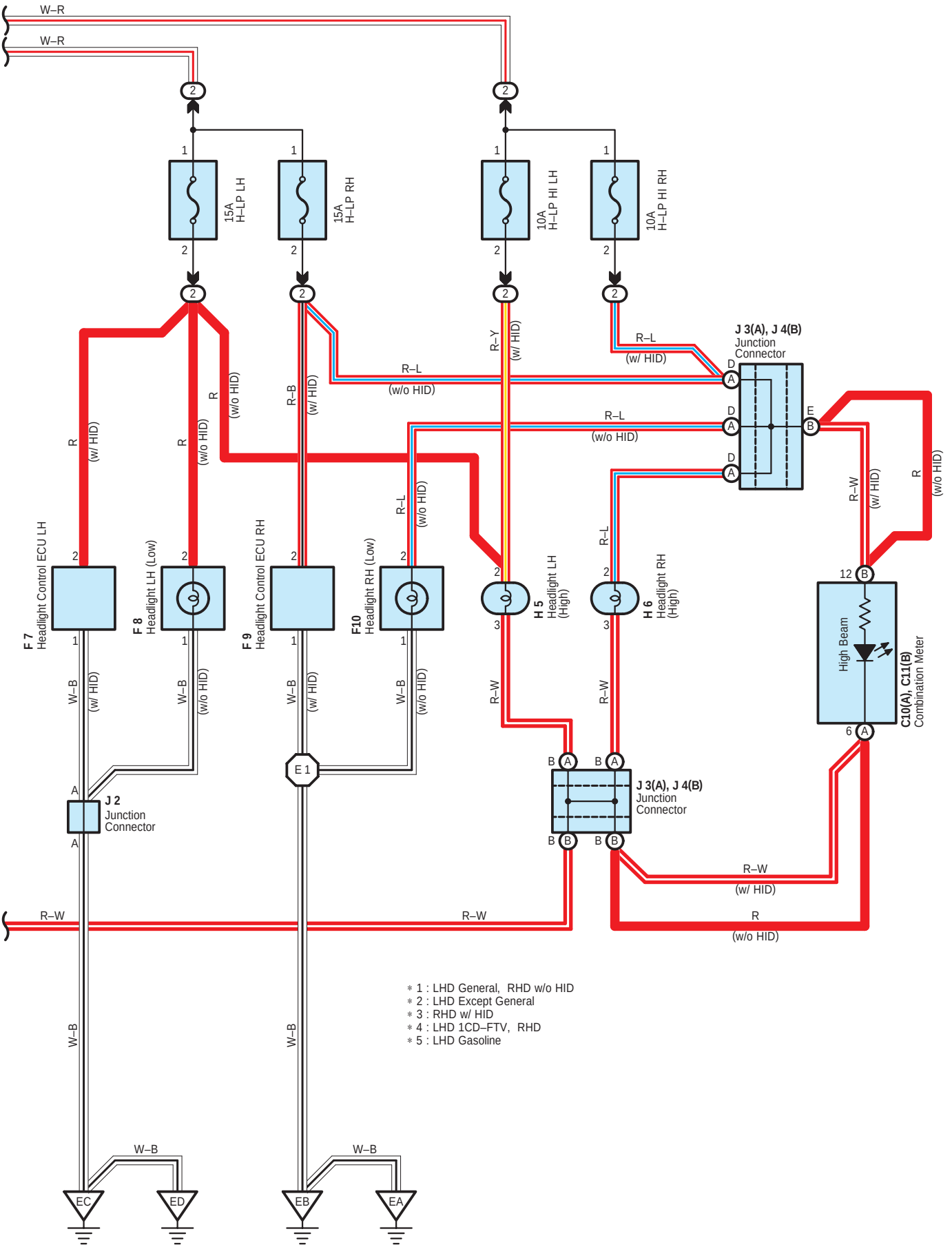
http://vnx.su

Headlight (w/o Daytime Running Light)

From Power Source System (See Page 120)

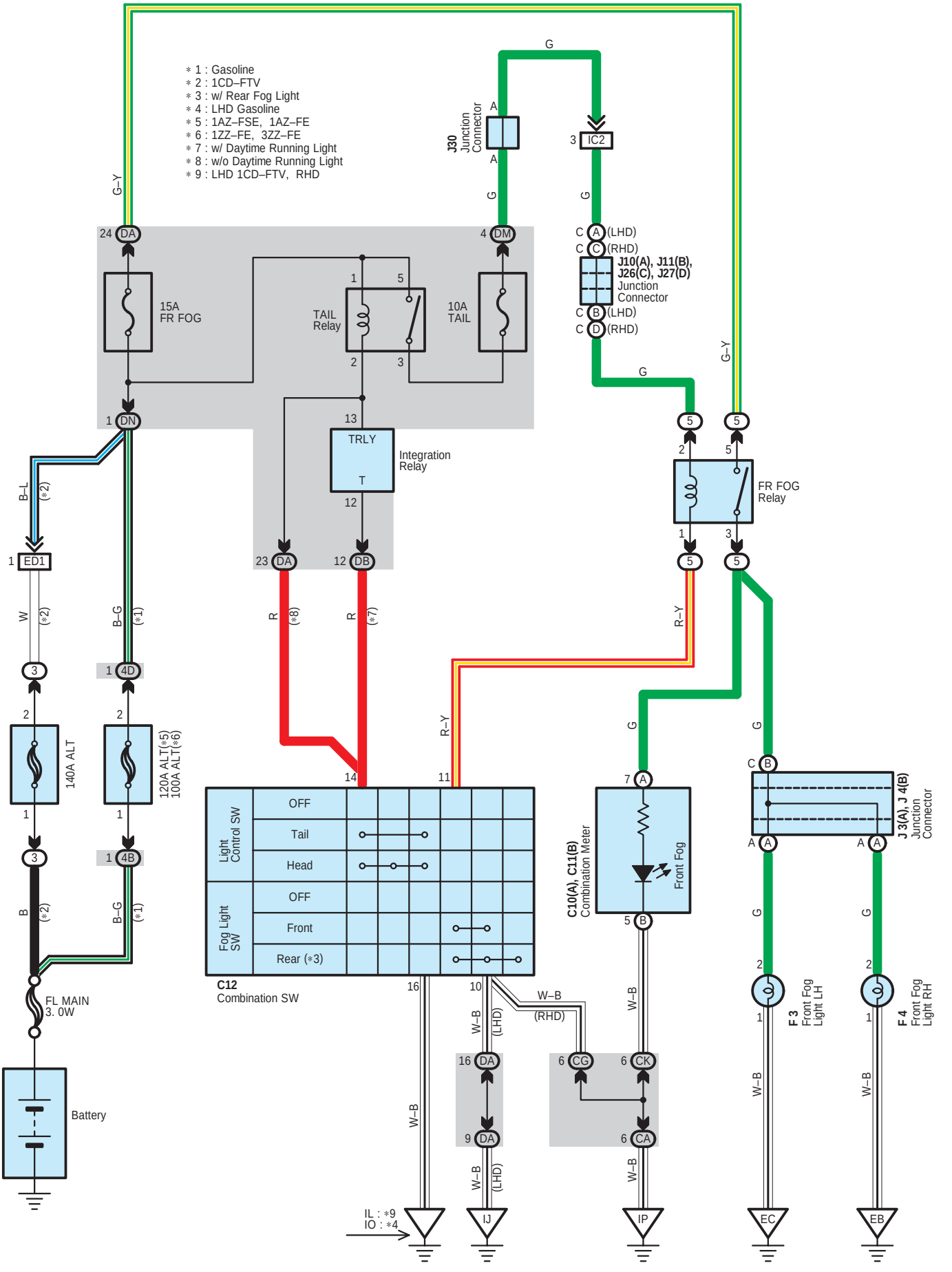


http://vnx.su


W–R
W–R
15A H–LP LH
15A H–LP RH
10A H–LP HI LH
10A H–LP HI RH
J 3(A), J 4(B) Junction Connector
R–L (w/ HID)
R–L (w/o HID)
R–Y (w/ HID)
R (w/ HID)
R (w/o HID)
R–B (w/ HID)
R–W (w/ HID)
F 7 Headlight Control ECU LH
F 8 Headlight LH (Low)
F 9 Headlight Control ECU RH
F10 Headlight RH (Low)
H 5 Headlight LH (High)
H 6 Headlight RH (High)
High Beam
C10(A), C11(B) Combination Meter
W–B (w/ HID)
W–B (w/o HID)
J 2 Junction Connector
E 1
R–W (w/ HID)
R (w/o HID)
R–W
W–B
EC
ED
EB
EA
＊1 : LHD General, RHD w/o HID
＊2 : LHD Except General
＊3 : RHD w/ HID
＊4 : LHD 1CD–FTV, RHD
＊5 : LHD Gasoline

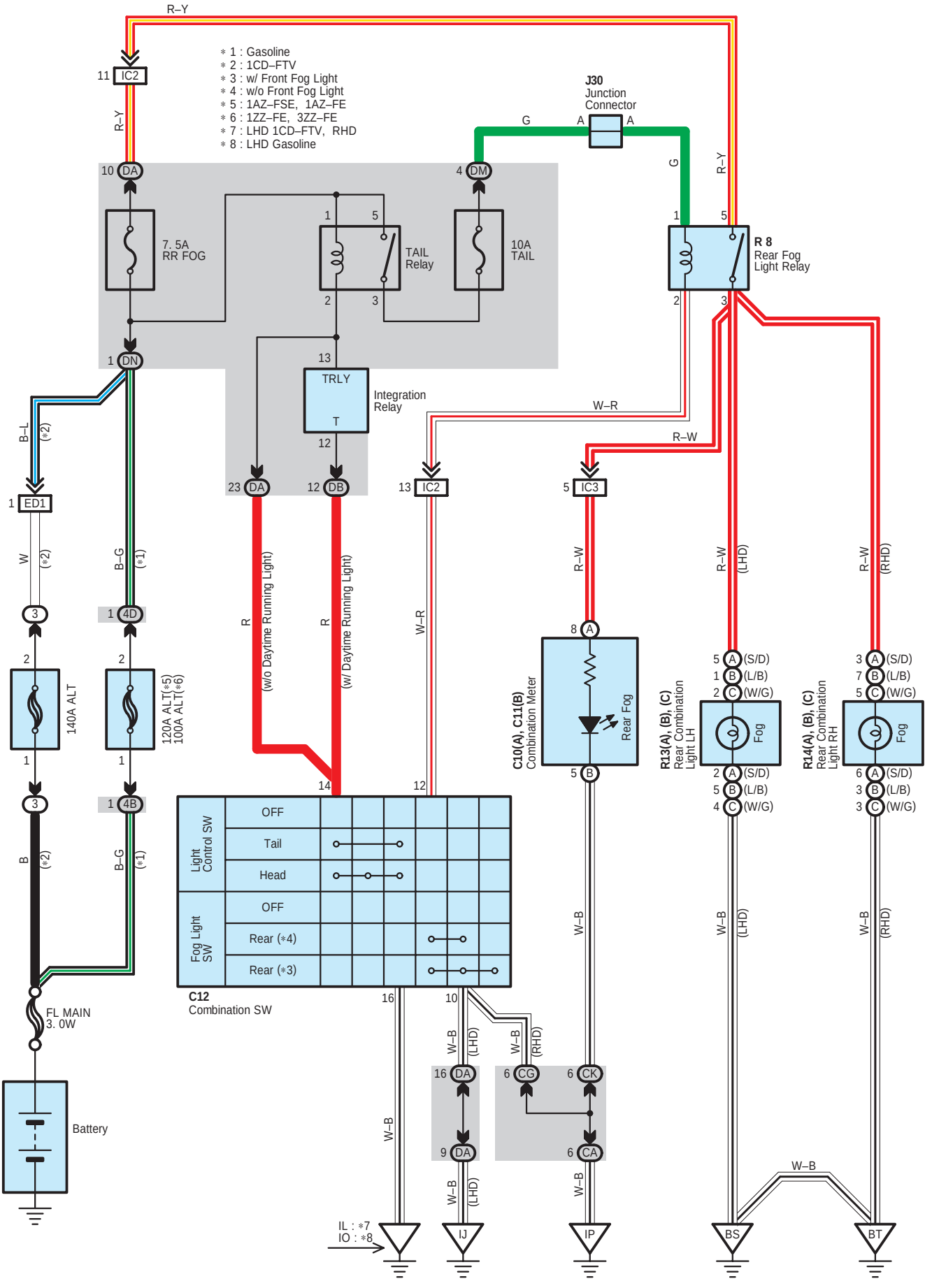
http://vnx.su

Front Fog Light

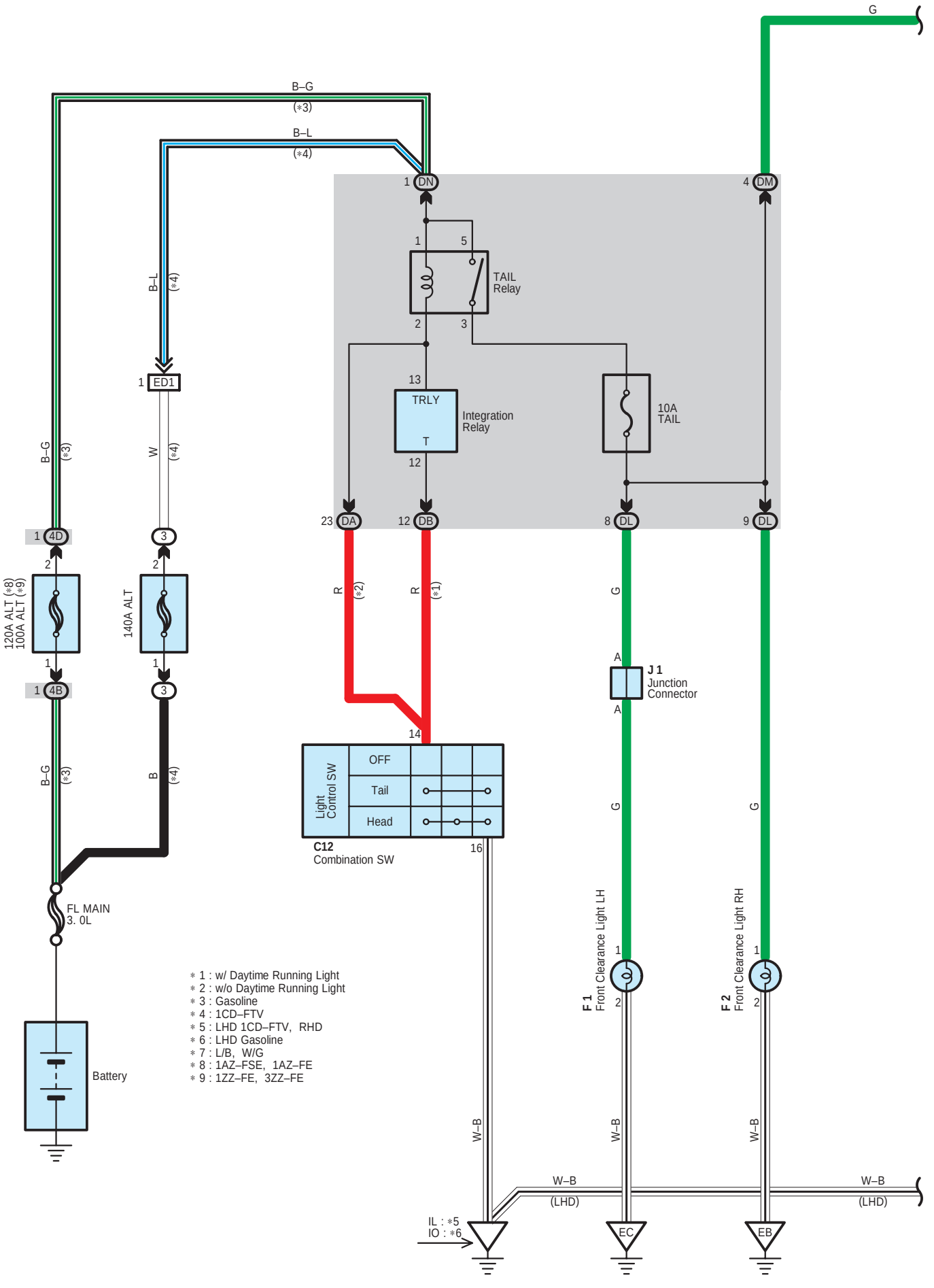


http://vnx.su

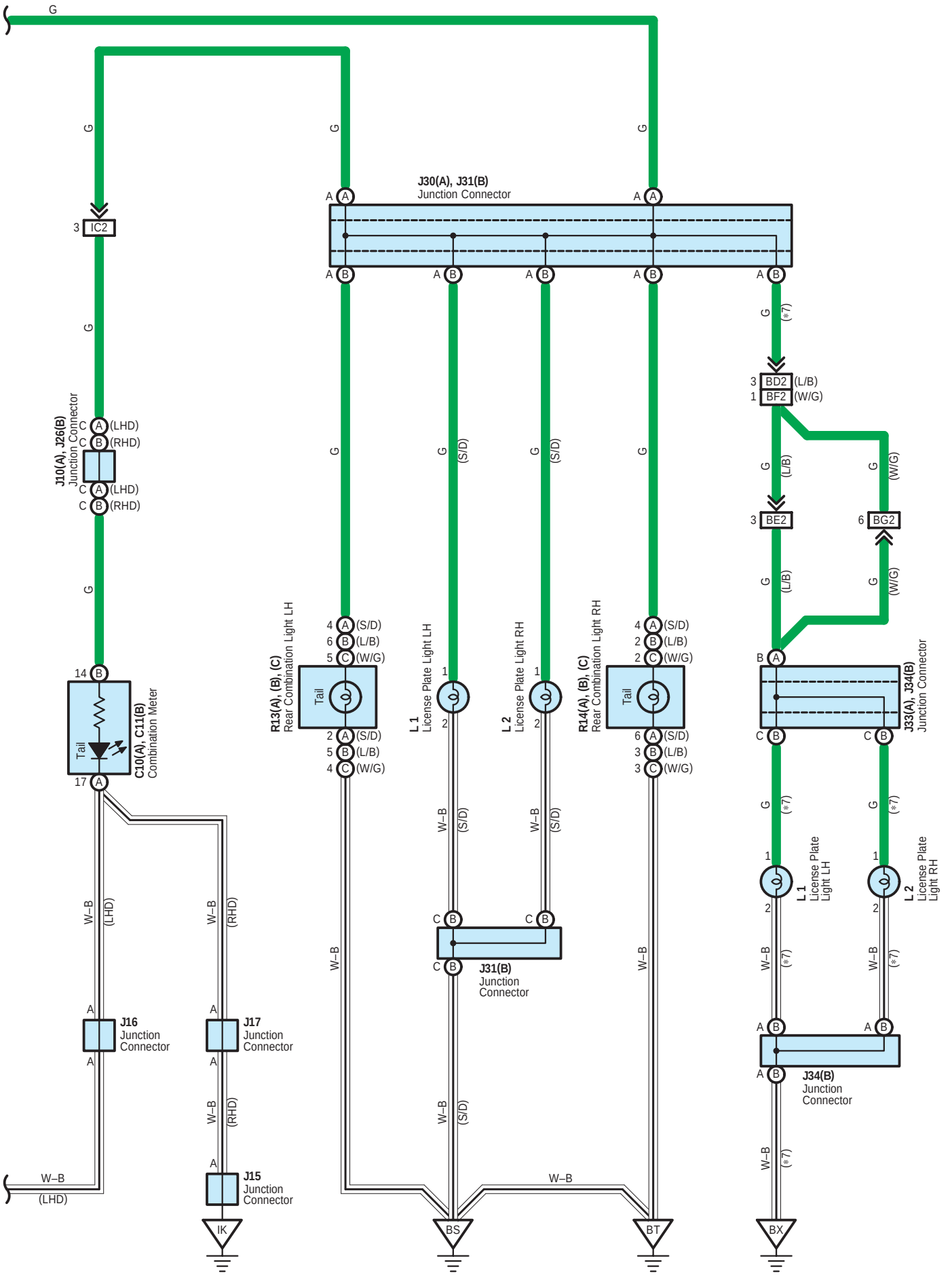
Rear Fog Light



http://vnx.su

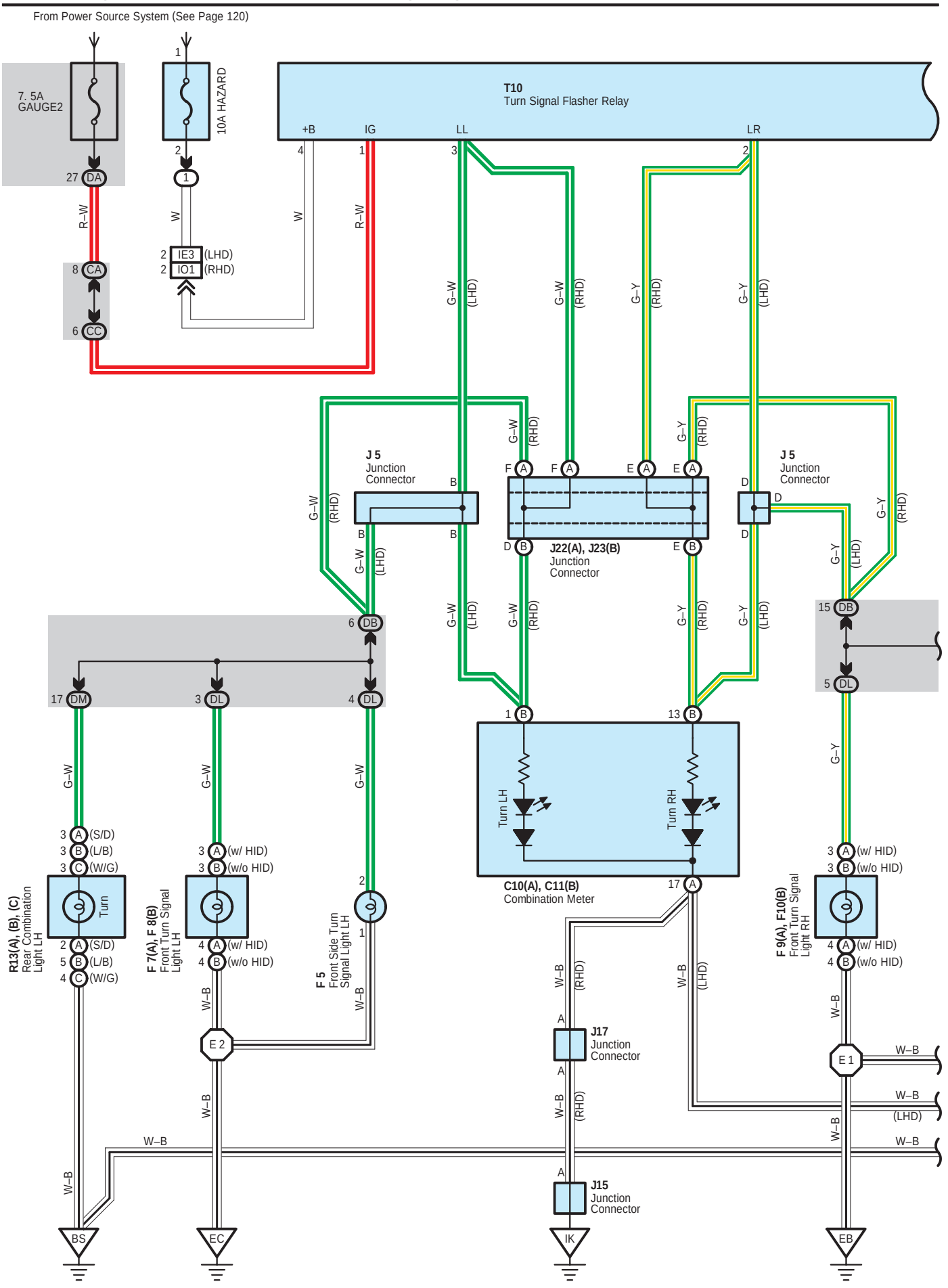

G
B–G
(*3)
B–L
(*4)
1 DN
4 DM
1
5
TAIL
Relay
2
3
13
TRLY
T
Integration
Relay
12
10A
TAIL
B–L (*4)
1 ED1
W (*4)
B–G (*3)
23 DA
12 DB
8 DL
9 DL
1 4D
3
2
2
120A ALT (*8)
100A ALT (*9)
140A ALT
1
1
1 4B
3
R (*2)
R (*1)
G
A
J 1
Junction
Connector
A
14
Light
Control SW
OFF
Tail
Head
C12
Combination SW
16
B–G (*3)
B (*4)
G
G
FL MAIN
3. 0L
F 1
Front Clearance Light LH
F 2
Front Clearance Light RH
1
2
1
2
Battery
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : LHD 1CD–FTV, RHD
* 6 : LHD Gasoline
* 7 : L/B, W/G
* 8 : 1AZ–FSE, 1AZ–FE
* 9 : 1ZZ–FE, 3ZZ–FE
W–B
W–B
W–B
W–B
(LHD)
(LHD)
IL : *5
IO : *6
EC
EB

http://vnx.su

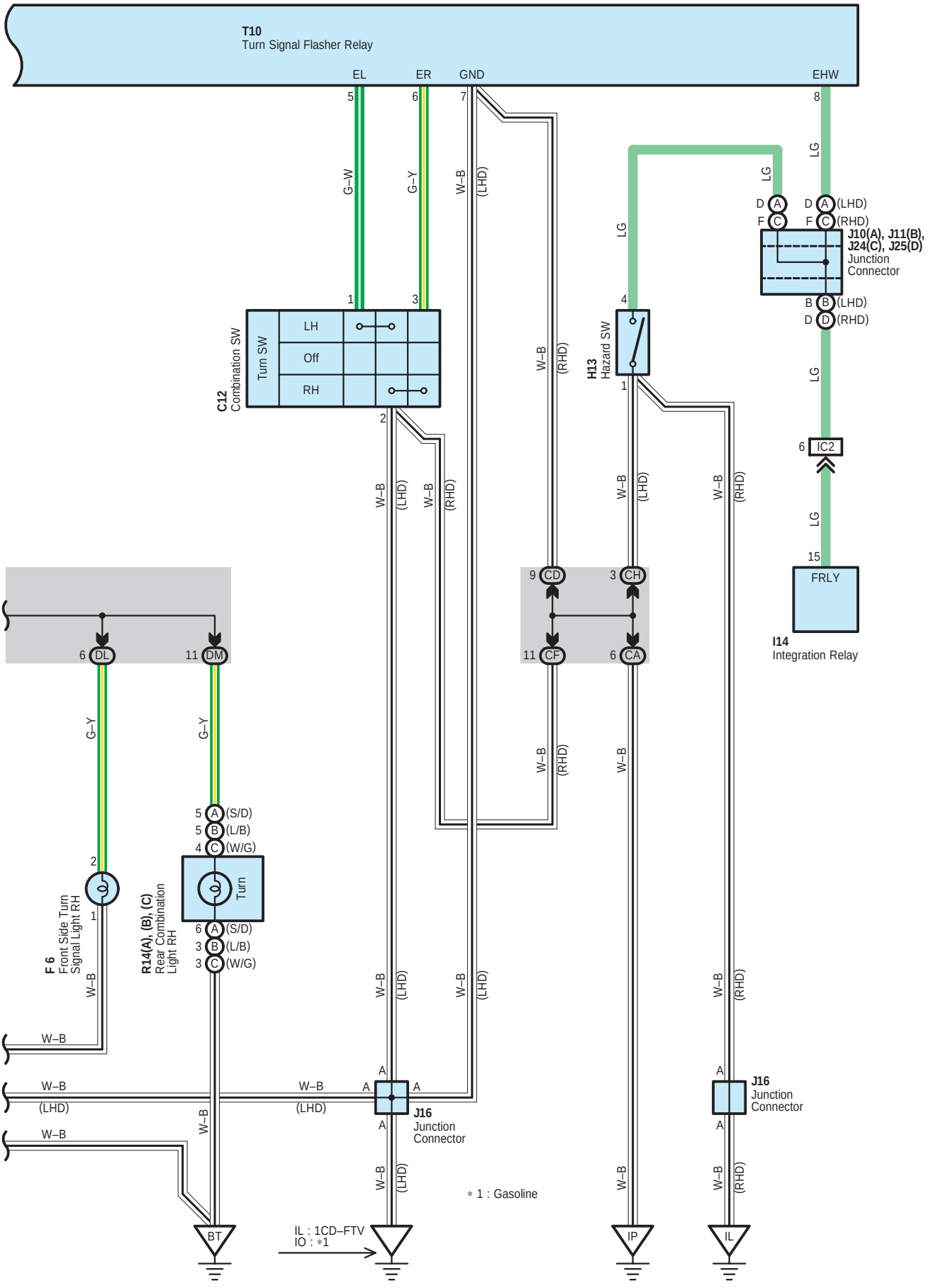

G
3 IC2
J10(A), J26(B)
Junction Connector
C A (LHD)
C B (RHD)
C A (LHD)
C B (RHD)
14 B
17 A
Tail
C10(A), C11(B)
Combination Meter
W–B (LHD)
W–B (RHD)
A J16 Junction Connector A
A J17 Junction Connector A
A J15 Junction Connector
IK
W–B (LHD)
J30(A), J31(B)
Junction Connector
A A
A B
R13(A), (B), (C)
Rear Combination Light LH
4 A (S/D)
6 B (L/B)
5 C (W/G)
Tail
2 A (S/D)
5 B (L/B)
4 C (W/G)
L 1
License Plate Light LH
L 2
License Plate Light RH
G (S/D)
W–B (S/D)
C B
J31(B)
Junction Connector
BS
R14(A), (B), (C)
Rear Combination Light RH
4 A (S/D)
2 B (L/B)
2 C (W/G)
6 A (S/D)
3 B (L/B)
3 C (W/G)
BT
G (*7)
3 BD2 (L/B)
1 BF2 (W/G)
G (L/B)
G (W/G)
3 BE2
6 BG2
B A
C B
J33(A), J34(B)
Junction Connector
W–B (*7)
J34(B)
Junction Connector
BX

http://vnx.su

Turn Signal and Hazard Warning Light



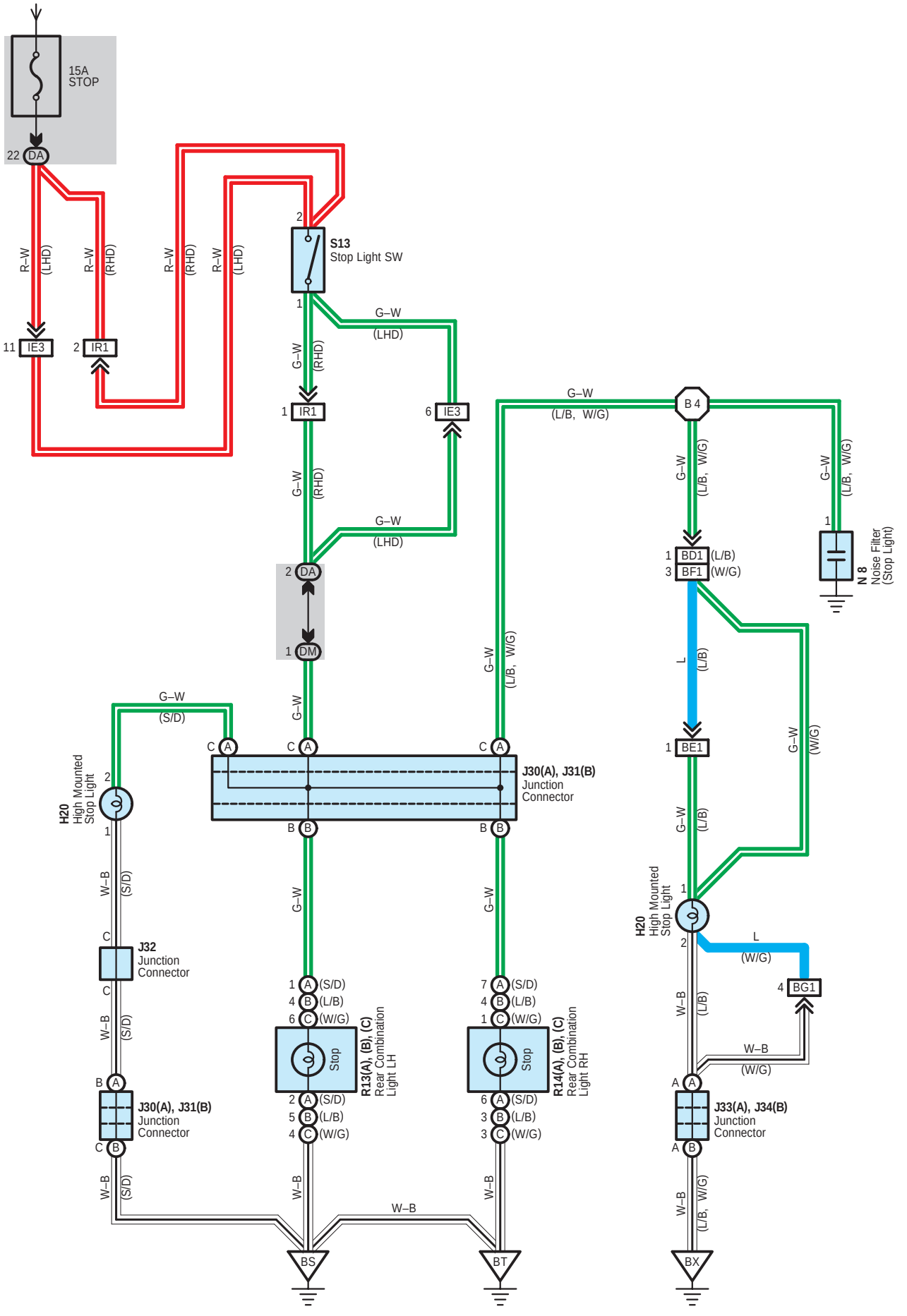
http://vnx.su


T10
Turn Signal Flasher Relay
EL
ER
GND
EHW
G–W
G–Y
W–B
LG
(LHD)
(RHD)
C12
Combination SW
Turn SW
LH
Off
RH
H13
Hazard SW
J10(A), J11(B), J24(C), J25(D)
Junction Connector
IC2
FRLY
I14
Integration Relay
DL
DM
CD
CH
CF
CA
F 6
Front Side Turn Signal Light RH
R14(A), (B), (C)
Rear Combination Light RH
Turn
(S/D)
(L/B)
(W/G)
J16
Junction Connector
BT
IL : 1CD–FTV
IO : *1
IP
IL
* 1 : Gasoline

http://vnx.su

Stop Light

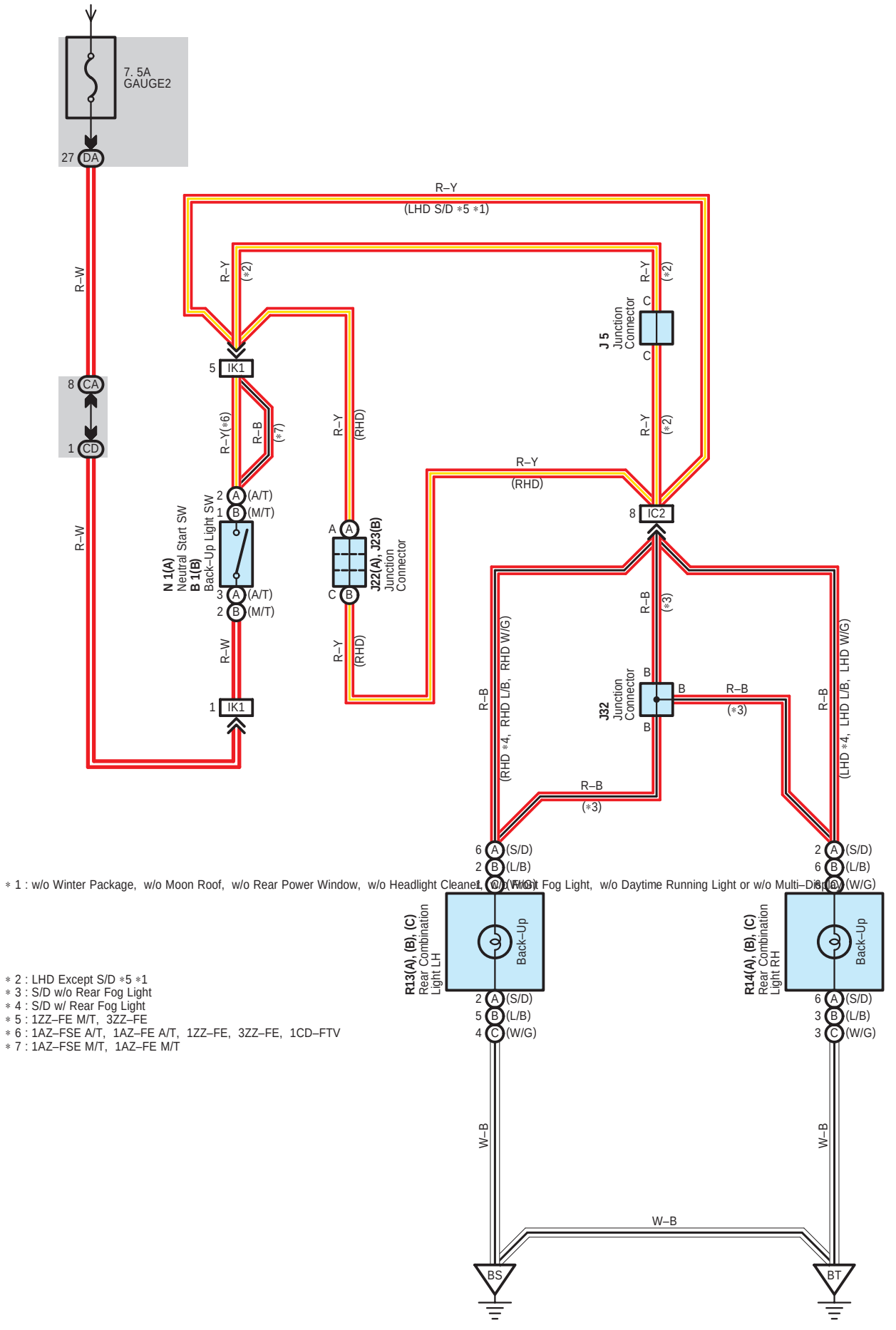
From Power Source System (See Page 120)



http://vnx.su

Back–Up Light

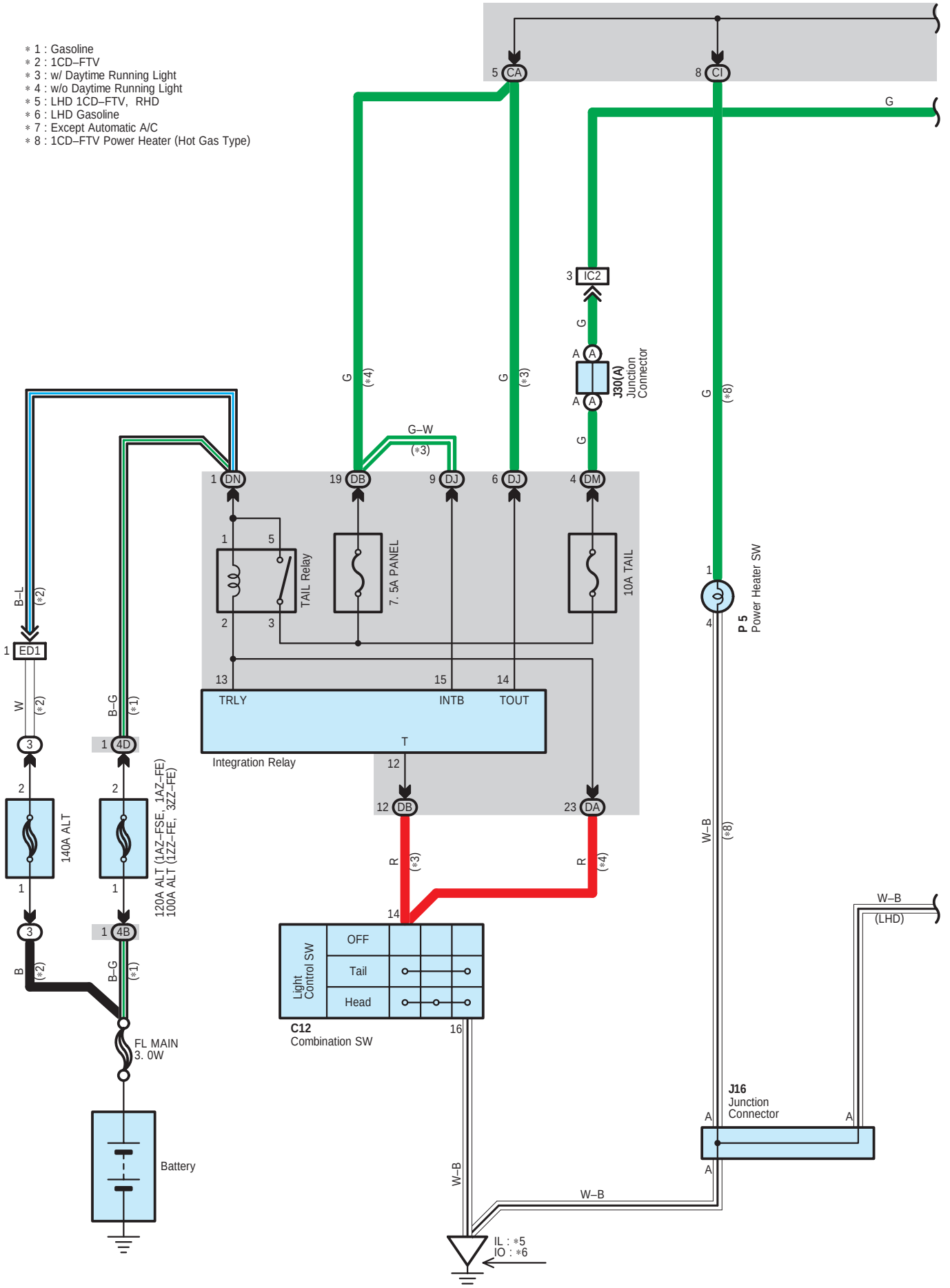
From Power Source System (See Page 120)



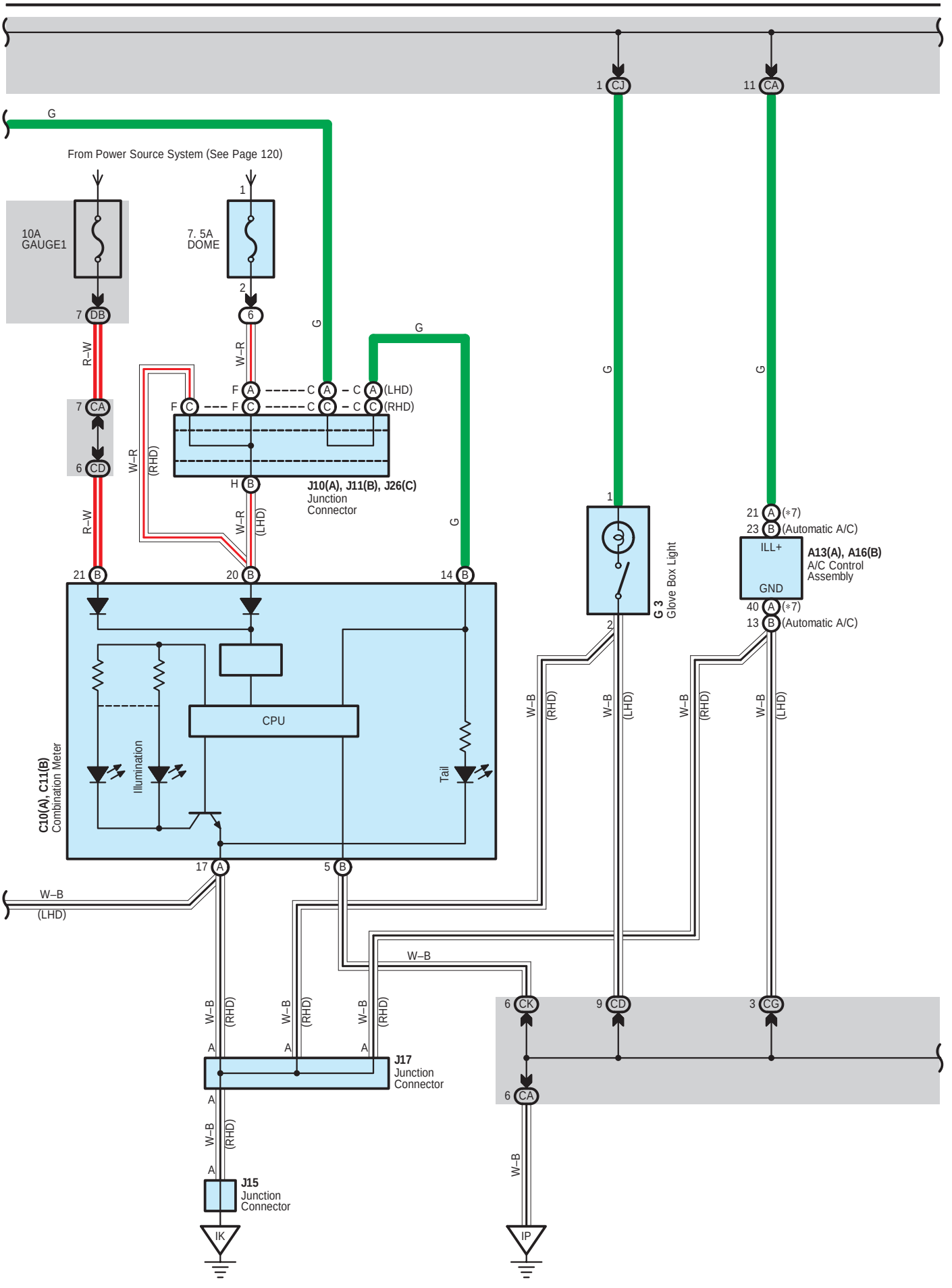
∗ 1 : w/o Winter Package, w/o Moon Roof, w/o Rear Power Window, w/o Headlight Cleaner, w/o Rear Fog Light, w/o Daytime Running Light or w/o Multi–Display

∗ 2 : LHD Except S/D ∗5 ∗1
∗ 3 : S/D w/o Rear Fog Light
∗ 4 : S/D w/ Rear Fog Light
∗ 5 : 1ZZ–FE M/T, 3ZZ–FE
∗ 6 : 1AZ–FSE A/T, 1AZ–FE A/T, 1ZZ–FE, 3ZZ–FE, 1CD–FTV
∗ 7 : 1AZ–FSE M/T, 1AZ–FE M/T

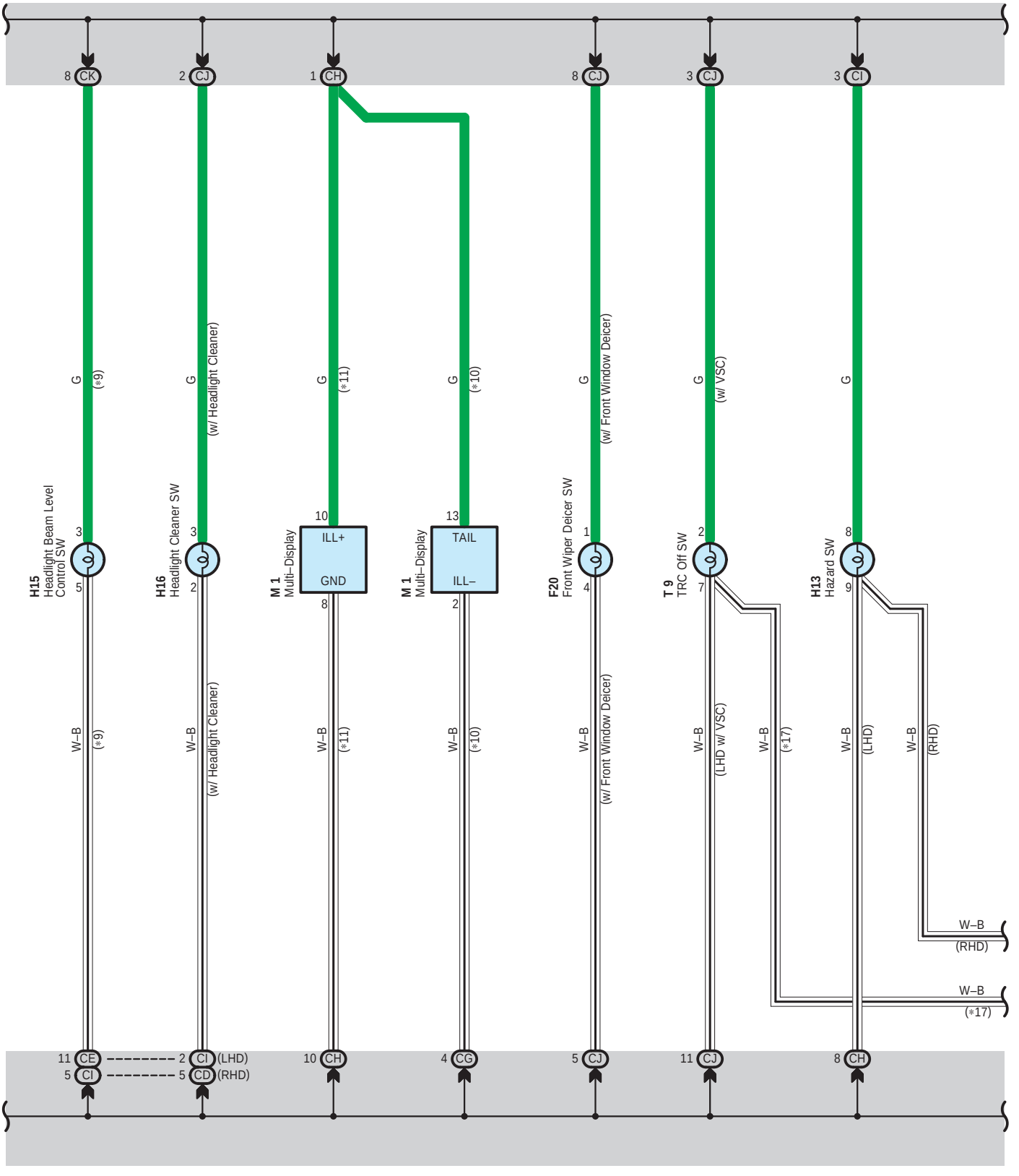
http://vnx.su


* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : w/o Daytime Running Light
* 5 : LHD 1CD–FTV, RHD
* 6 : LHD Gasoline
* 7 : Except Automatic A/C
* 8 : 1CD–FTV Power Heater (Hot Gas Type)
5 CA
8 CI
G
3 IC2
G
A A
A A
J30(A) Junction Connector
G (*4)
G (*3)
G (*8)
G–W (*3)
1 DN
19 DB
9 DJ
6 DJ
4 DM
1 5
2 3
TAIL Relay
7. 5A PANEL
10A TAIL
1
4
P 5 Power Heater SW
B–L (*2)
1 ED1
W (*2)
3
2
140A ALT
1
3
B (*2)
B–G (*1)
1 4D
2
120A ALT (1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
1
1 4B
B–G (*1)
FL MAIN
3. 0W
Battery
13 TRLY
15 INTB
14 TOUT
T
Integration Relay
12
12 DB
23 DA
R (*3)
R (*4)
14
Light Control SW
OFF
Tail
Head
C12
Combination SW
16
W–B (*8)
W–B (LHD)
J16
Junction Connector
A
A
A
W–B
W–B
IL : *5
IO : *6

http://vnx.su

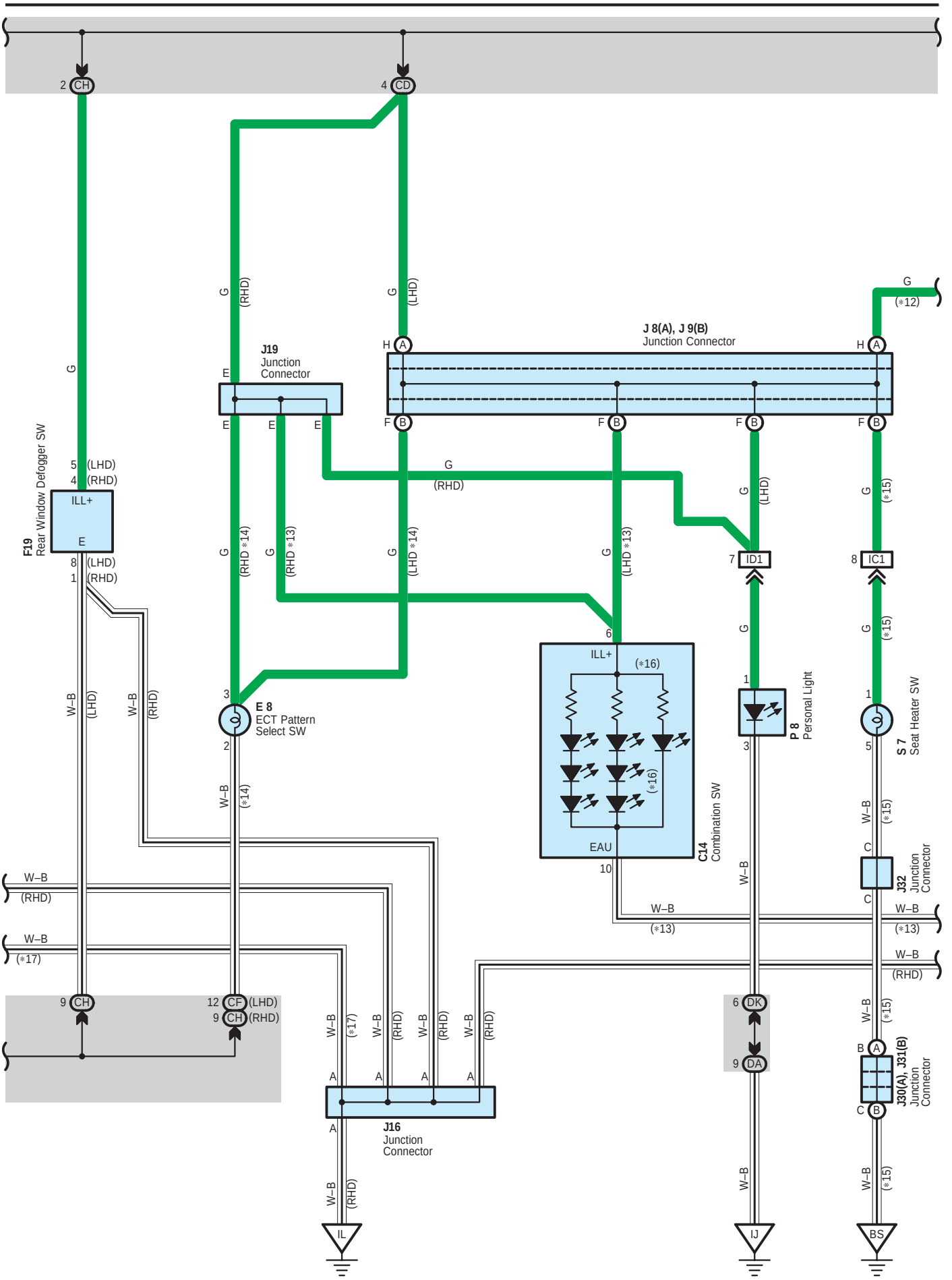

From Power Source System (See Page 120)
10A
GAUGE1
7. 5A
DOME
J10(A), J11(B), J26(C)
Junction
Connector
C10(A), C11(B)
Combination Meter
CPU
Illumination
Tail
G 3
Glove Box Light
A13(A), A16(B)
A/C Control
Assembly
ILL+
GND
(Automatic A/C)
(*7)
J17
Junction
Connector
J15
Junction
Connector
IK
IP
(LHD)
(RHD)
W–B
W–R
R–W
G

http://vnx.su

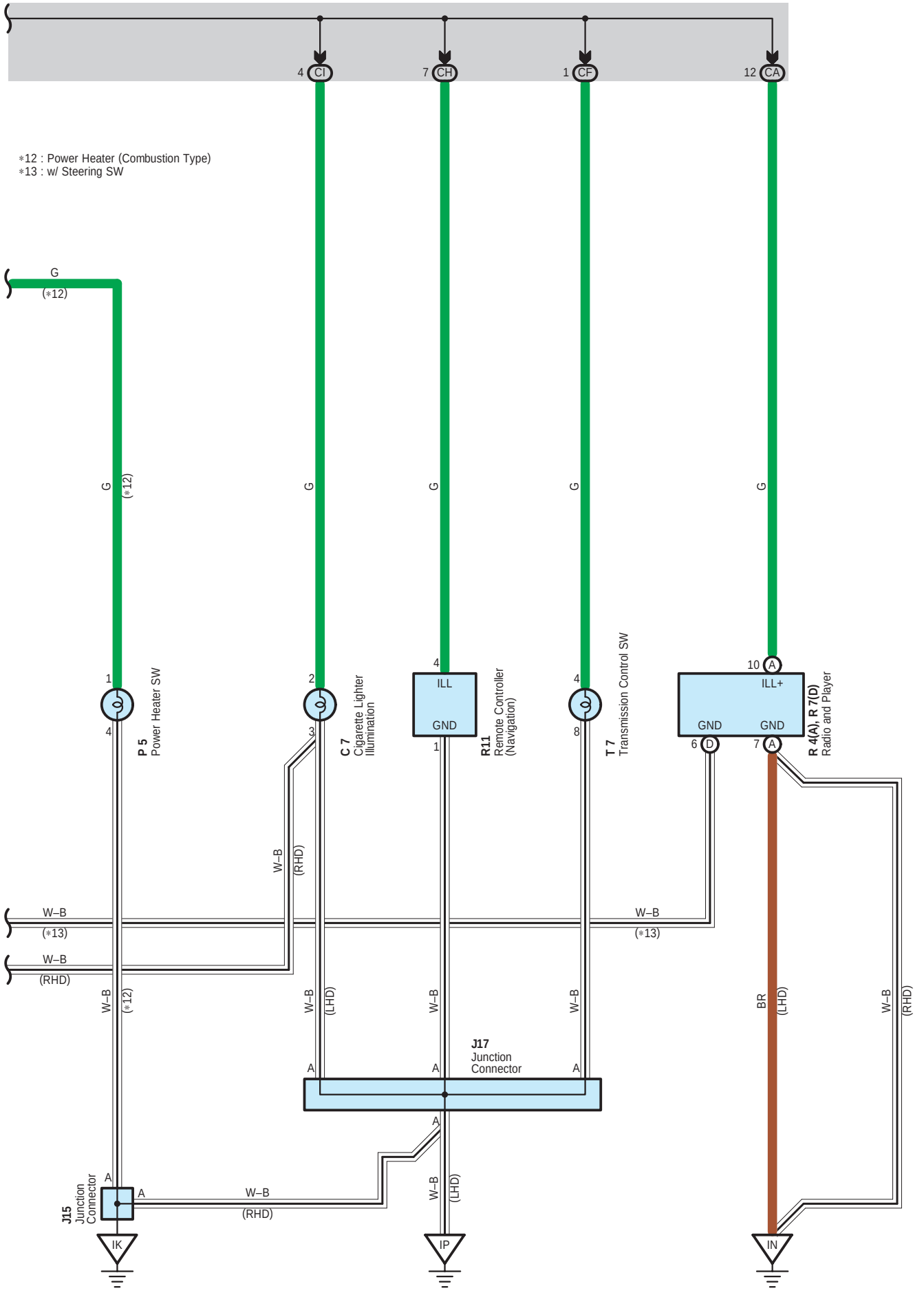


∗ 9 : w/ Headlight Beam Level Control w/o HID
∗10 : w/ Navigation System (Map Type)
∗11 : w/ Multi–Display w/o Navigation System (Map Type)
∗12 : Power Heater (Combustion Type)
∗13 : w/ Steering SW
∗14 : A/T Except 1AZ–FE
∗15 : w/ Seat Heater
∗16 : w/ Multi–Display
∗17 : RHD w/ VSC

http://vnx.su

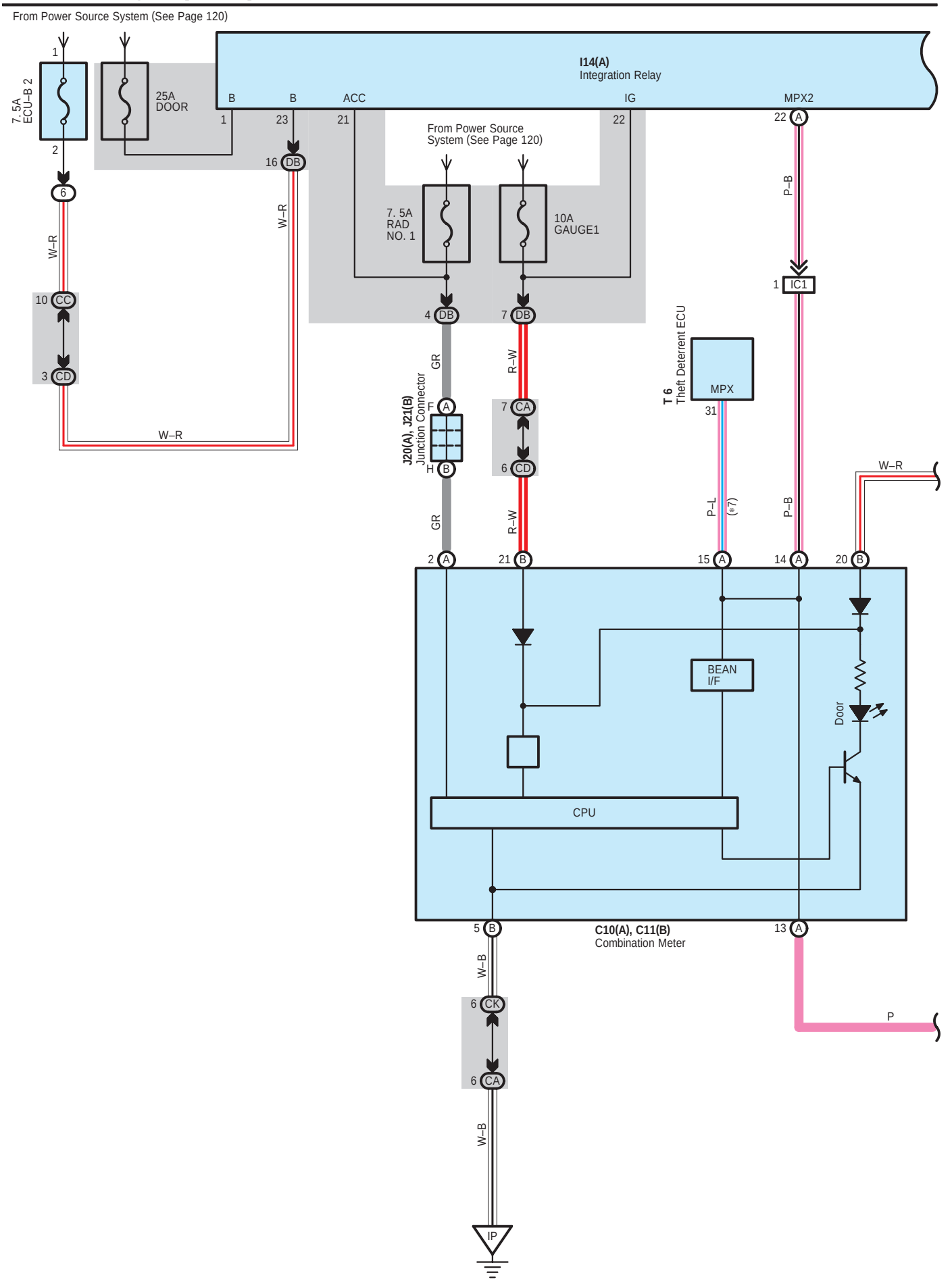

2 CH
4 CD
G
(RHD)
G
(LHD)
G
(*12)
J 8(A), J 9(B)
Junction Connector
J19
Junction
Connector
H A
F B
E
F19
Rear Window Defogger SW
ILL+
E
5 (LHD)
4 (RHD)
8 (LHD)
1 (RHD)
G
(RHD *14)
G
(RHD *13)
G
(LHD *14)
G
(LHD *13)
G
(LHD)
G
(*15)
7 ID1
8 IC1
3
E 8
ECT Pattern
Select SW
2
W–B
(LHD)
W–B
(RHD)
W–B
(*14)
6
ILL+
(*16)
EAU
10
C14
Combination SW
1
P 8
Personal Light
3
1
S 7
Seat Heater SW
5
W–B
(*15)
C
J32
Junction
Connector
W–B
(RHD)
W–B
(*17)
W–B
(*13)
9 CH
12 CF (LHD)
9 CH (RHD)
A
J16
Junction
Connector
6 DK
9 DA
B A
C B
J30(A), J31(B)
Junction
Connector
IL
IJ
BS

http://vnx.su

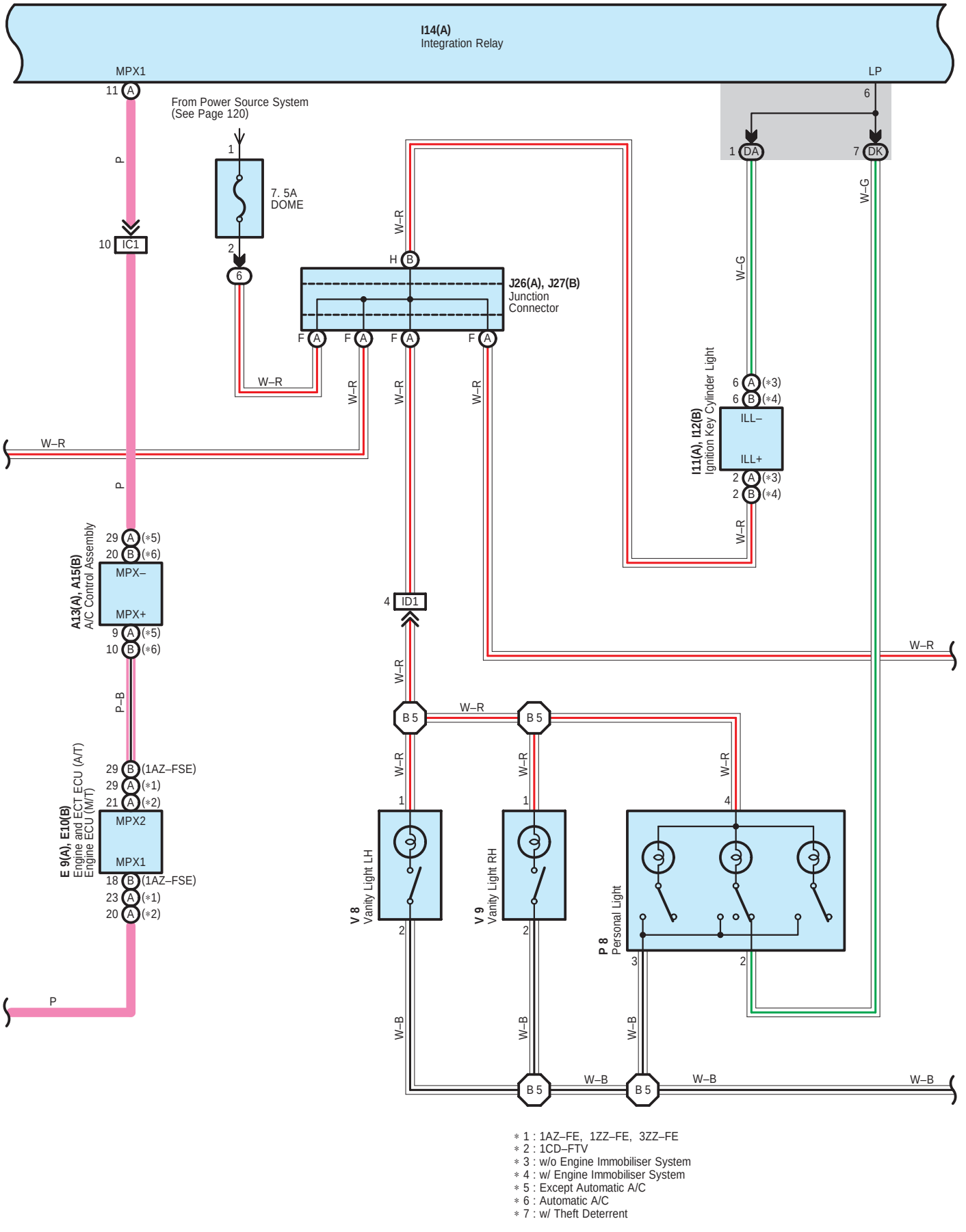

4 CI
7 CH
1 CF
12 CA
*12 : Power Heater (Combustion Type)
*13 : w/ Steering SW
G
(*12)
P 5
Power Heater SW
C 7
Cigarette Lighter Illumination
R11
Remote Controller (Navigation)
T 7
Transmission Control SW
R 4(A), R 7(D)
Radio and Player
ILL
GND
ILL+
W–B
(*13)
W–B
(RHD)
W–B
(*12)
W–B
(LHD)
BR
J17
Junction Connector
J15
Junction Connector
IK
IP
IN

http://vnx.su

Interior Light (RHD)



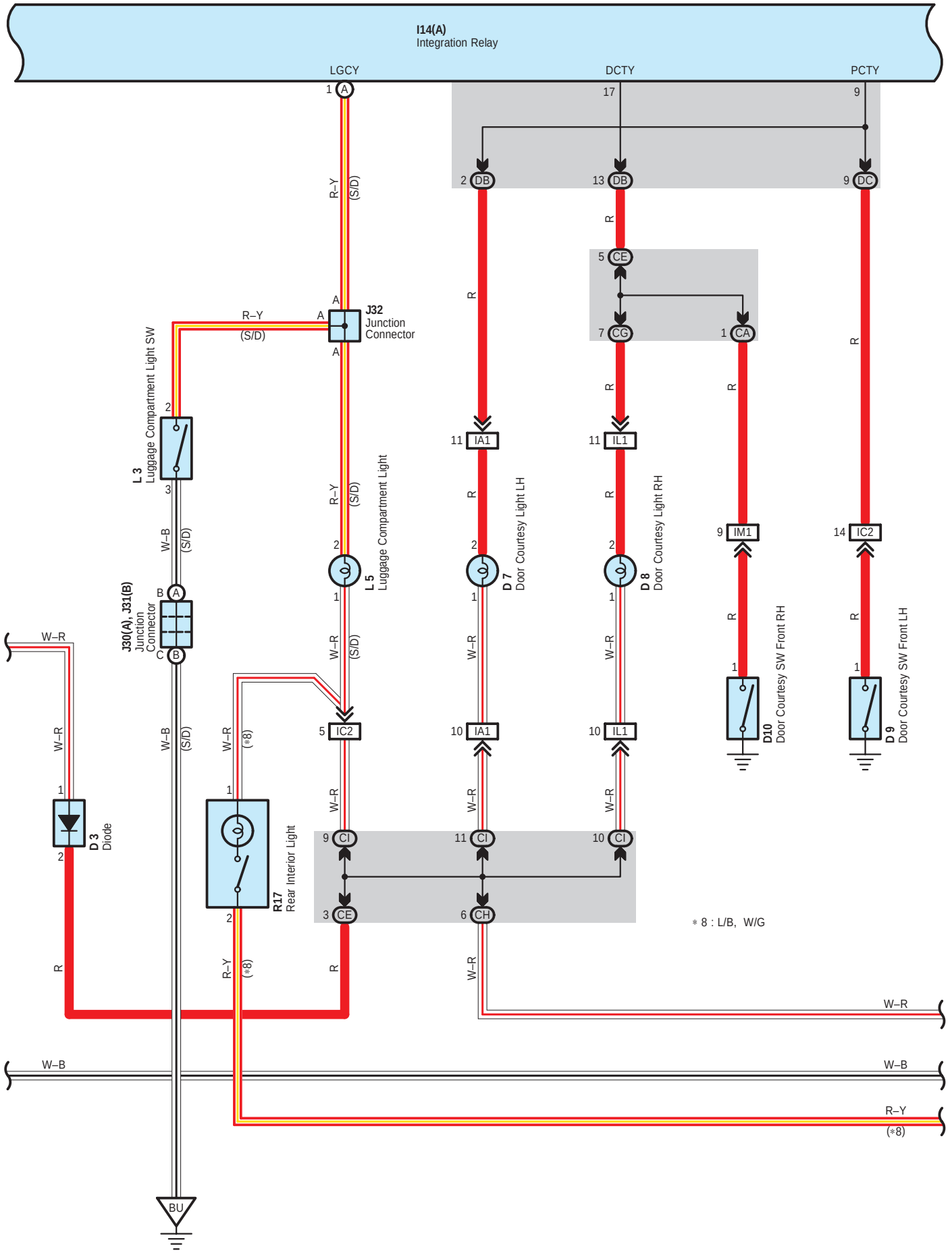
http://vnx.su



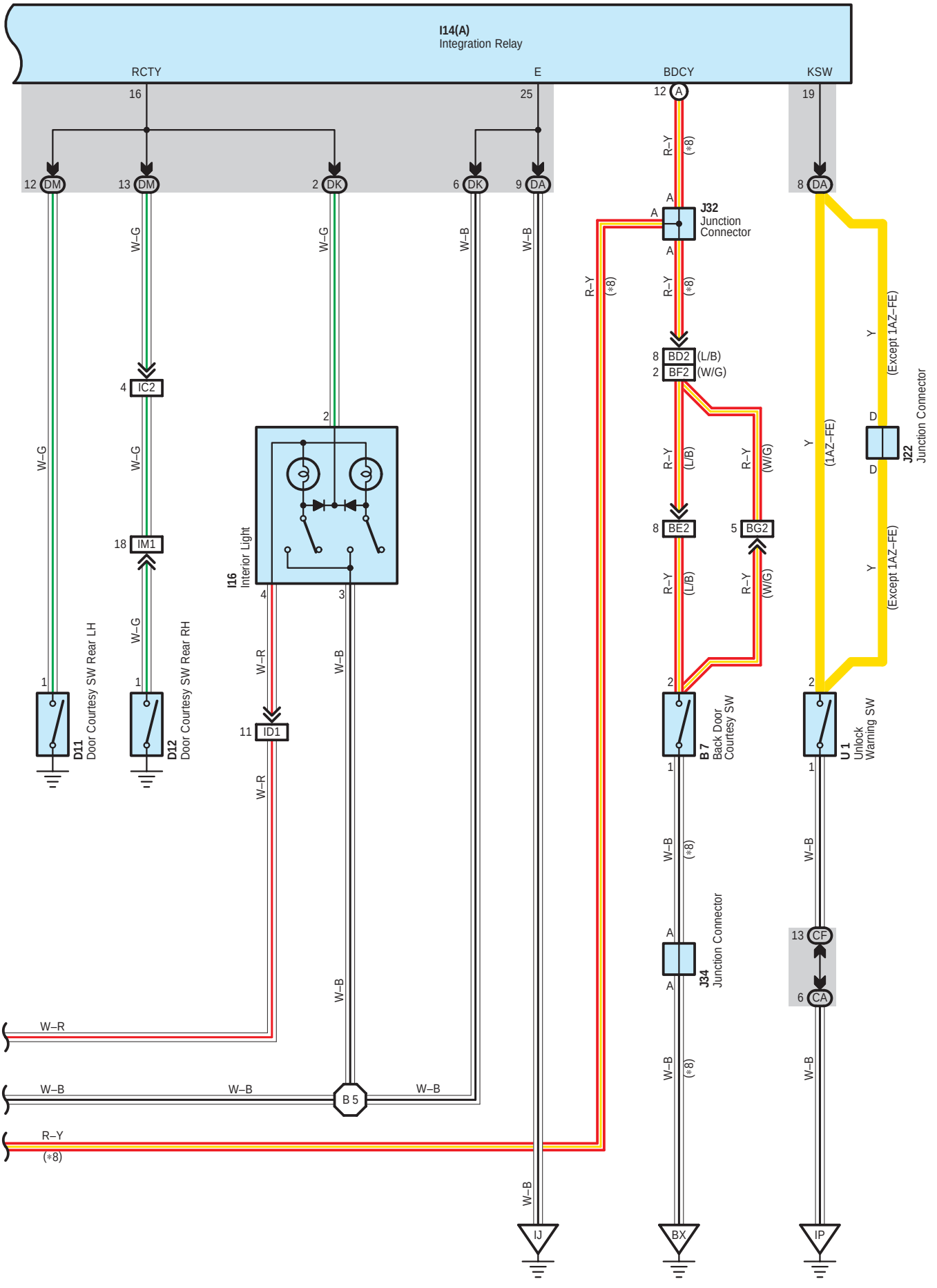
* 1 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 2 : 1CD–FTV
* 3 : w/o Engine Immobiliser System
* 4 : w/ Engine Immobiliser System
* 5 : Except Automatic A/C
* 6 : Automatic A/C
* 7 : w/ Theft Deterrent

http://vnx.su

Interior Light (RHD)

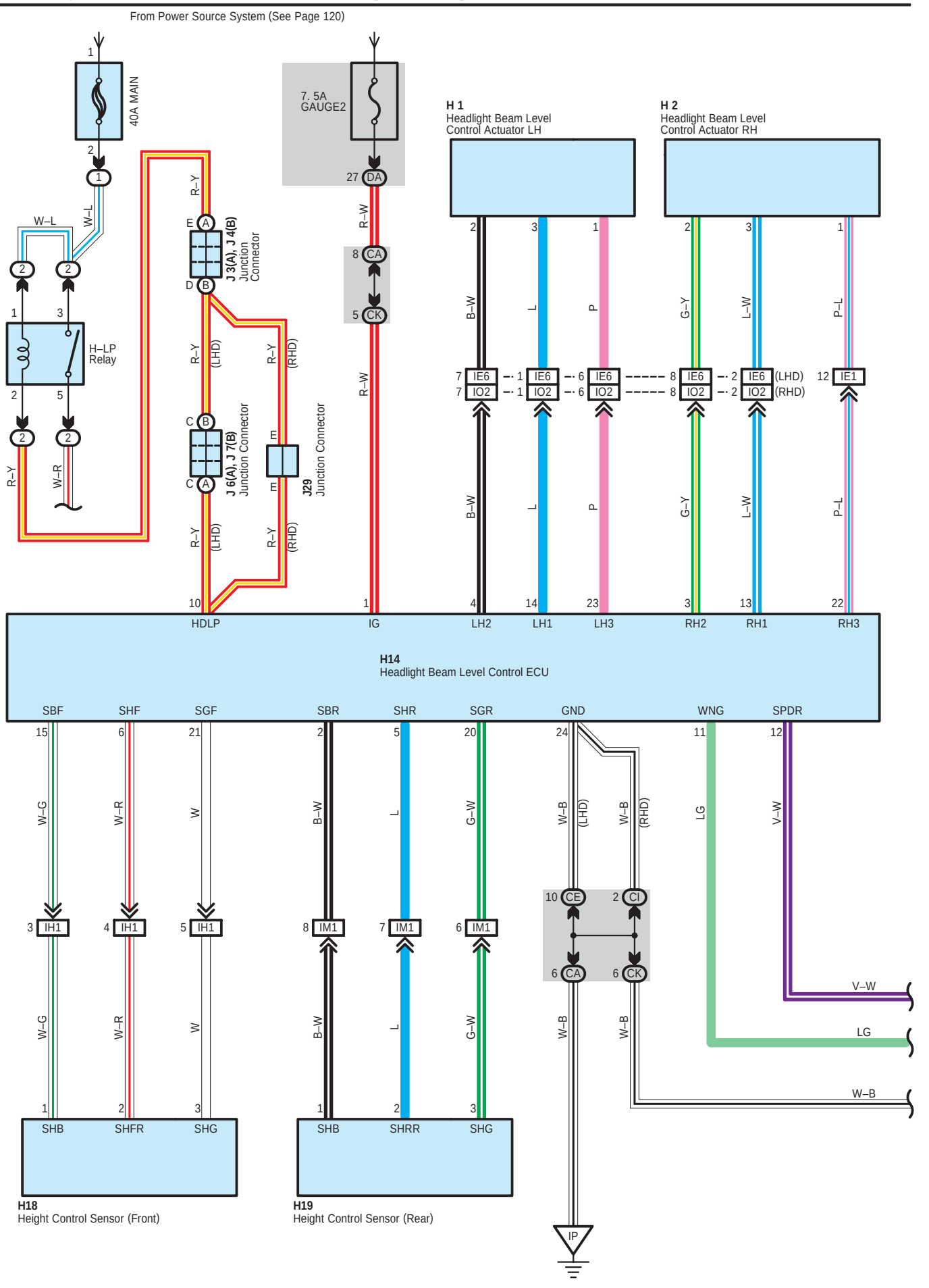


http://vnx.su

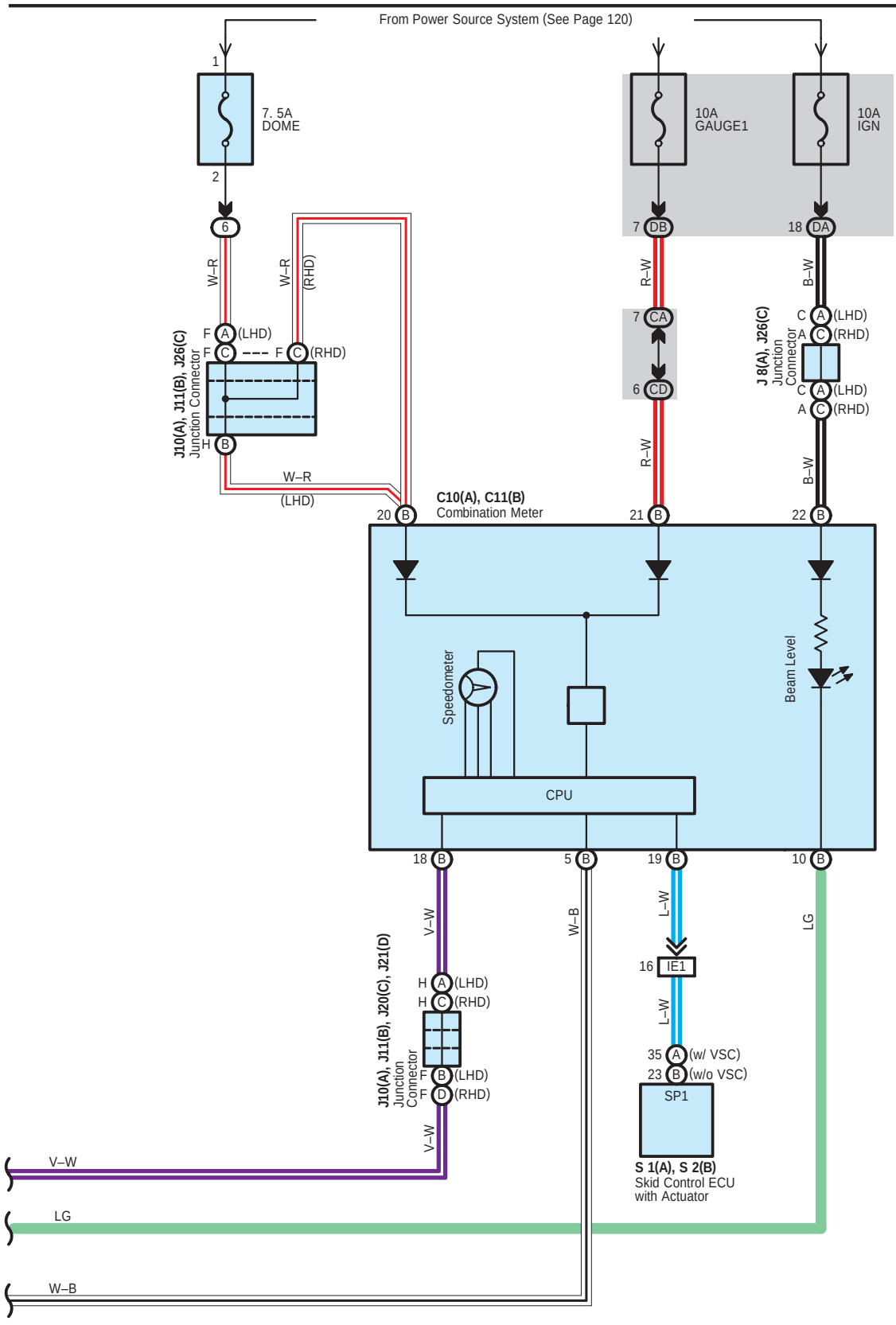

I14(A)
Integration Relay
RCTY
E
BDCY
KSW
16
25
12 A
19
12 DM
13 DM
2 DK
6 DK
9 DA
8 DA
R–Y
(*8)
A
J32
Junction
Connector
A
R–Y
(*8)
R–Y
(*8)
8 BD2 (L/B)
2 BF2 (W/G)
W–G
W–G
W–G
W–B
W–B
4 IC2
2
Y
(Except 1AZ–FE)
D
J22
Junction Connector
D
Y
(1AZ–FE)
18 IM1
I16
Interior Light
R–Y
(L/B)
R–Y
(W/G)
8 BE2
5 BG2
4
3
Y
(Except 1AZ–FE)
W–G
W–G
W–R
W–B
1
1
2
2
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
11 ID1
R–Y
(L/B)
R–Y
(W/G)
B 7
Back Door
Courtesy SW
U 1
Unlock
Warning SW
W–R
W–R
1
1
W–B
(*8)
W–B
W–B
W–B
W–B
13 CF
A
J34
Junction Connector
A
6 CA
W–B
(*8)
W–B
W–B
B 5
W–B
R–Y
(*8)
W–B
IJ
BX
IP

http://vnx.su

Headlight Beam Level Control (w/ HID)

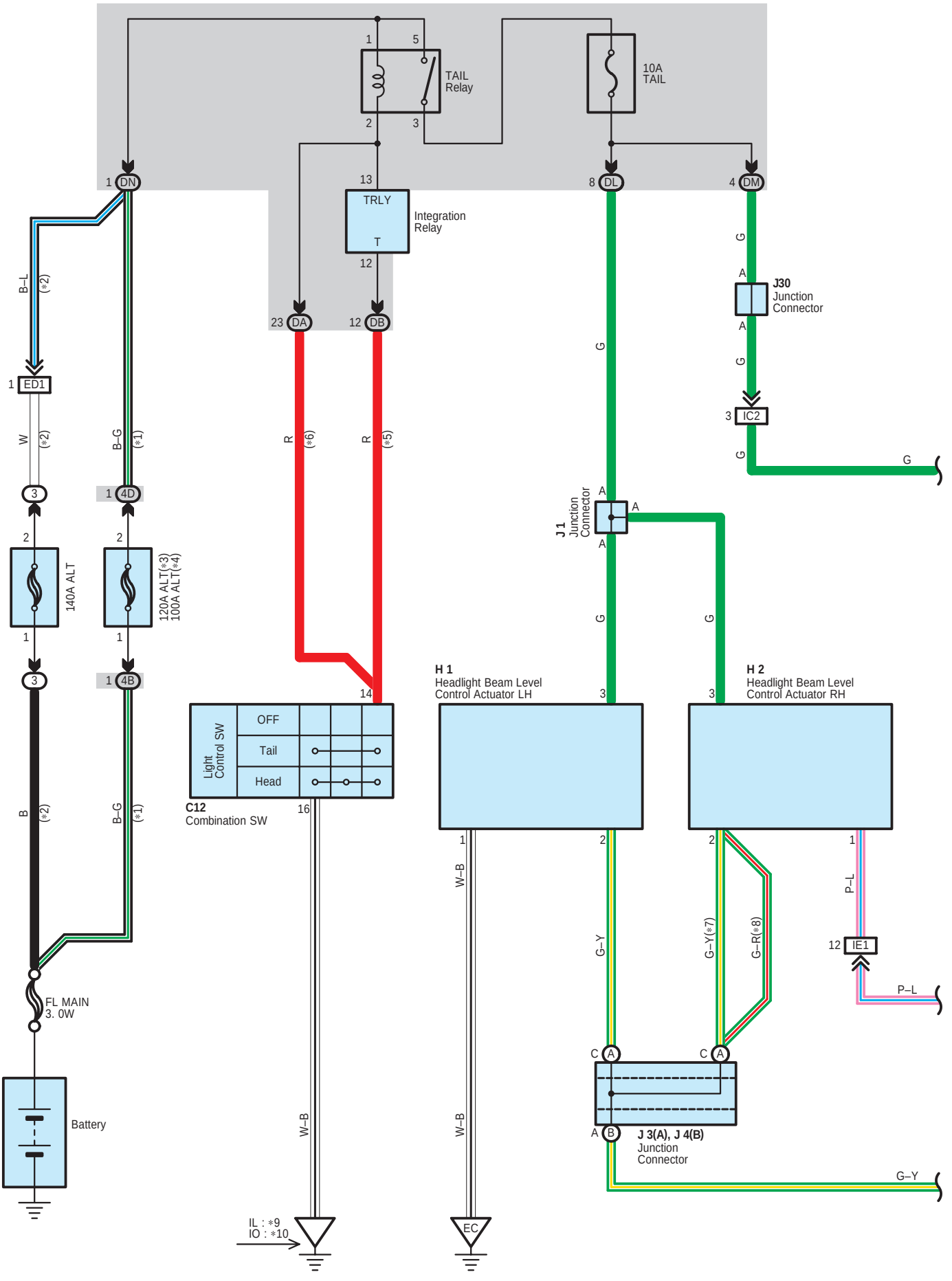


http://vnx.su


From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
W–R
W–R
(RHD)
F A (LHD)
F C
F C (RHD)
J10(A), J11(B), J26(C)
Junction Connector
H B
W–R
(LHD)
10A
GAUGE1
10A
IGN
7 DB
18 DA
R–W
B–W
7 CA
6 CD
J 8(A), J26(C)
Junction
Connector
C A (LHD)
A C (RHD)
C A (LHD)
A C (RHD)
R–W
B–W
C10(A), C11(B)
Combination Meter
20 B
21 B
22 B
Speedometer
Beam Level
CPU
18 B
5 B
19 B
10 B
V–W
W–B
L–W
LG
H A (LHD)
H C (RHD)
J10(A), J11(B), J20(C), J21(D)
Junction
Connector
F B (LHD)
F D (RHD)
V–W
16 IE1
L–W
35 A (w/ VSC)
23 B (w/o VSC)
SP1
S 1(A), S 2(B)
Skid Control ECU
with Actuator
V–W
LG
W–B

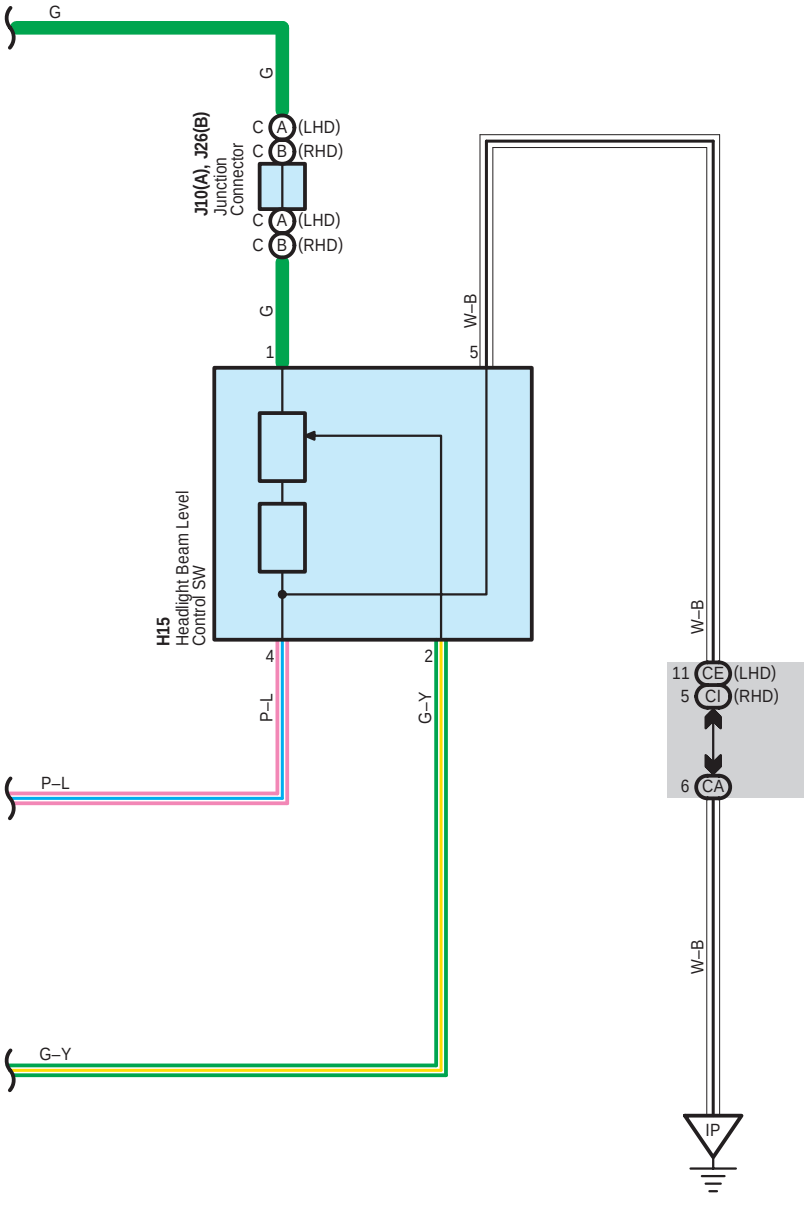
http://vnx.su

Headlight Beam Level Control (w/o HID)



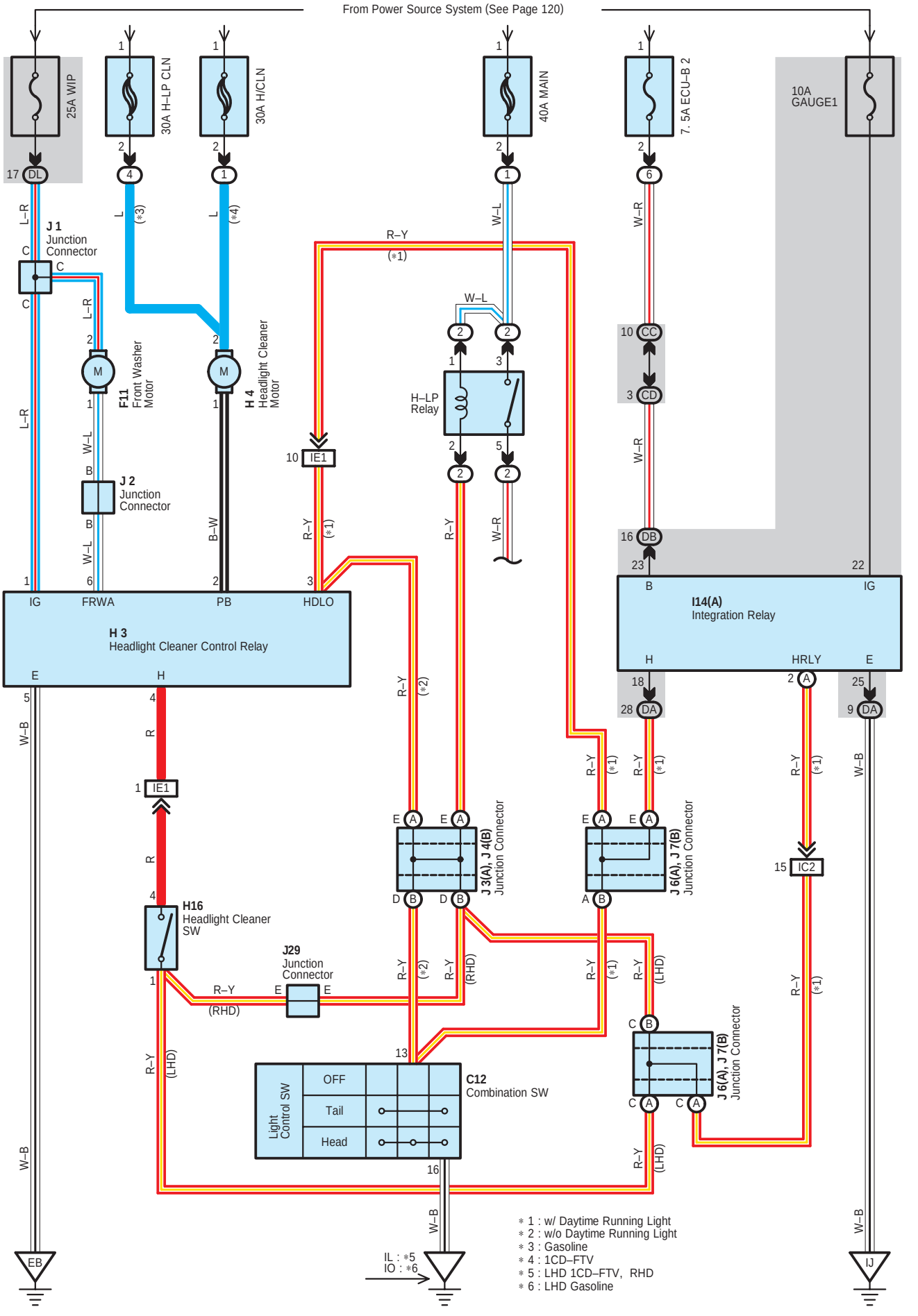
http://vnx.su

∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : 1AZ–FSE, 1AZ–FE
∗ 4 : 1ZZ–FE, 3ZZ–FE
∗ 5 : w/ Daytime Running Light
∗ 6 : w/o Daytime Running Light
∗ 7 : Except RHD 1CD–FTV
∗ 8 : RHD 1CD–FTV
∗ 9 : LHD 1CD–FTV, RHD
∗10 : LHD Gasoline



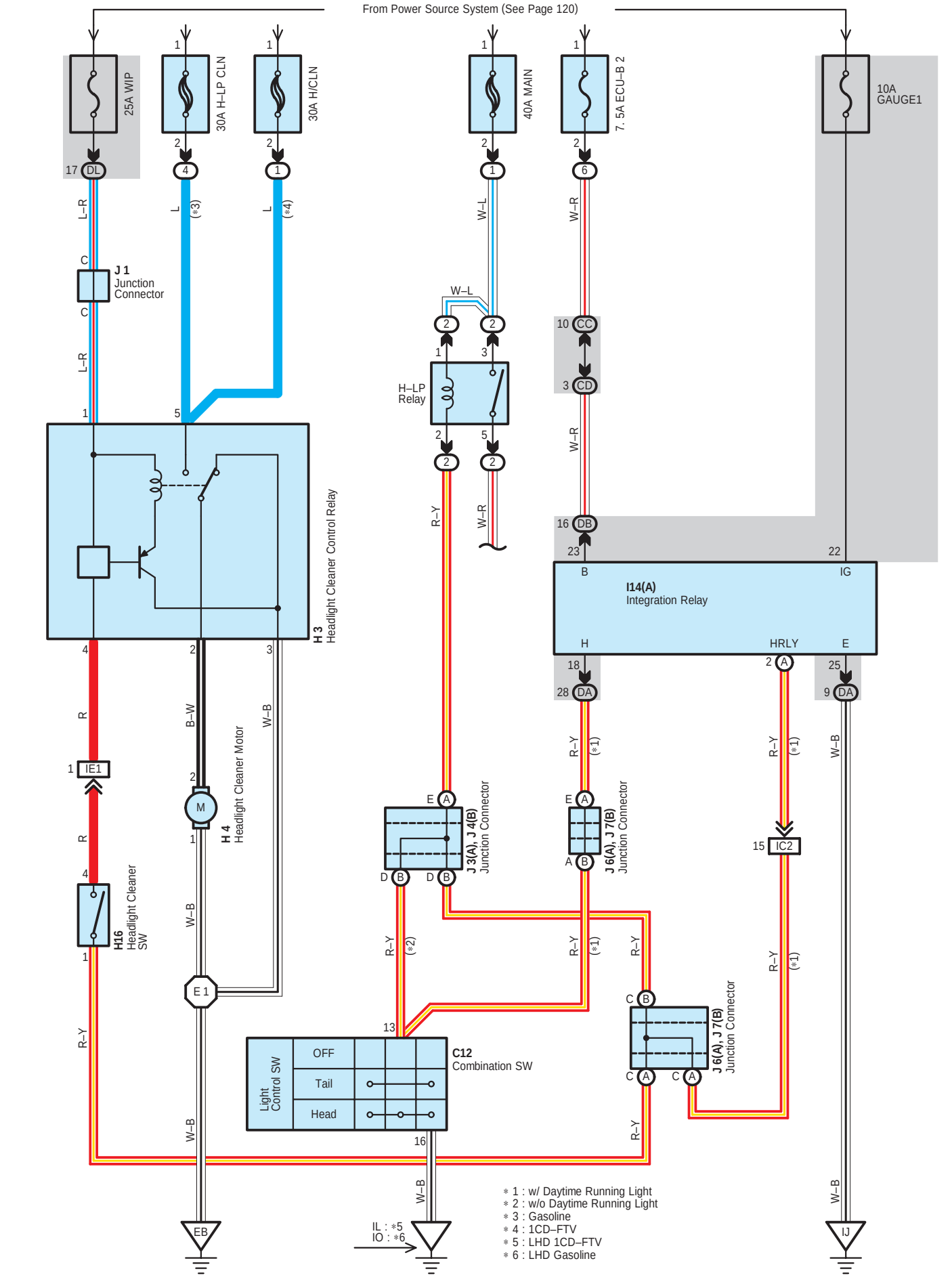
http://vnx.su

Headlight Cleaner (w/ HID)



http://vnx.su

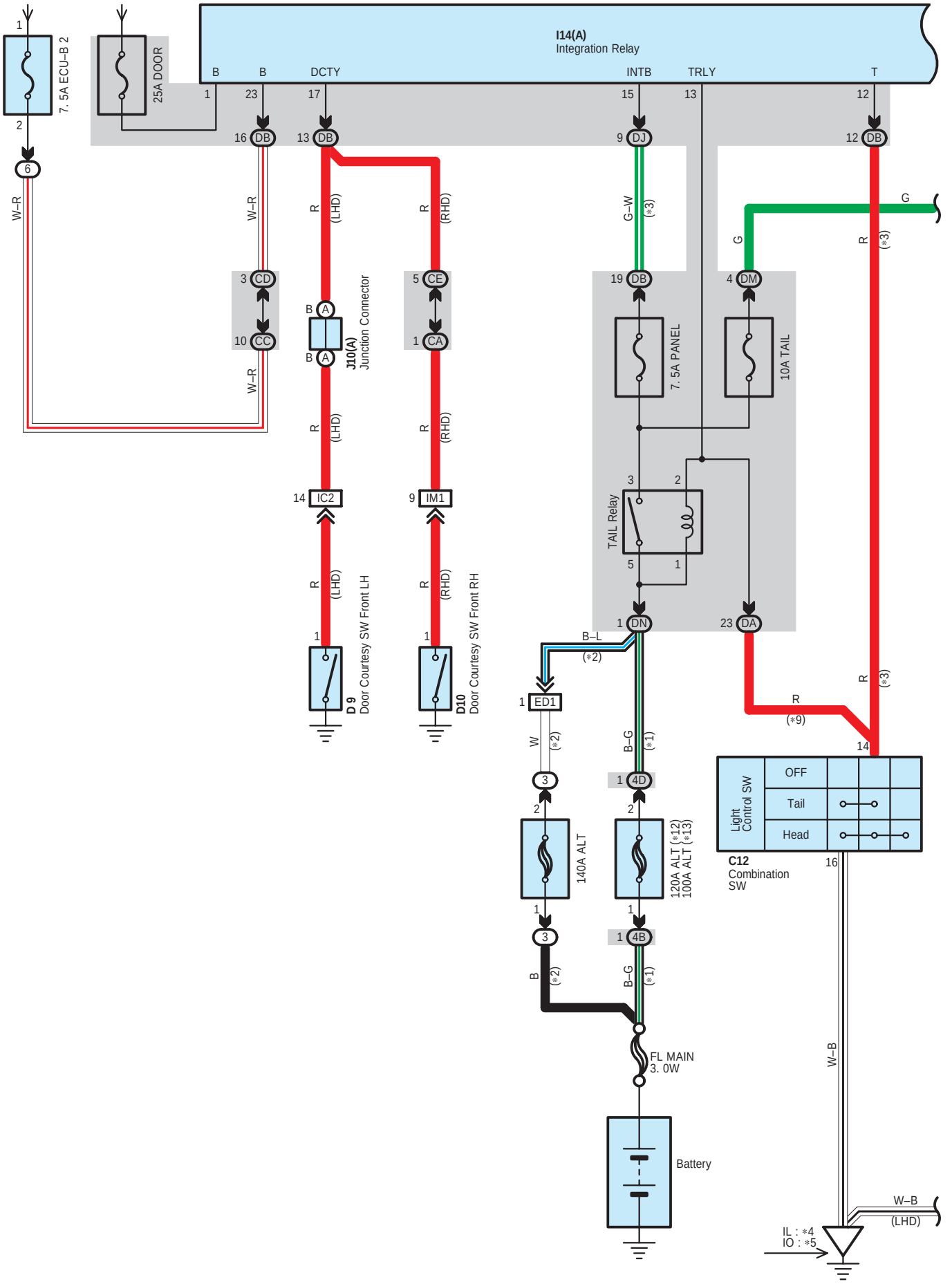
Headlight Cleaner (w/o HID)



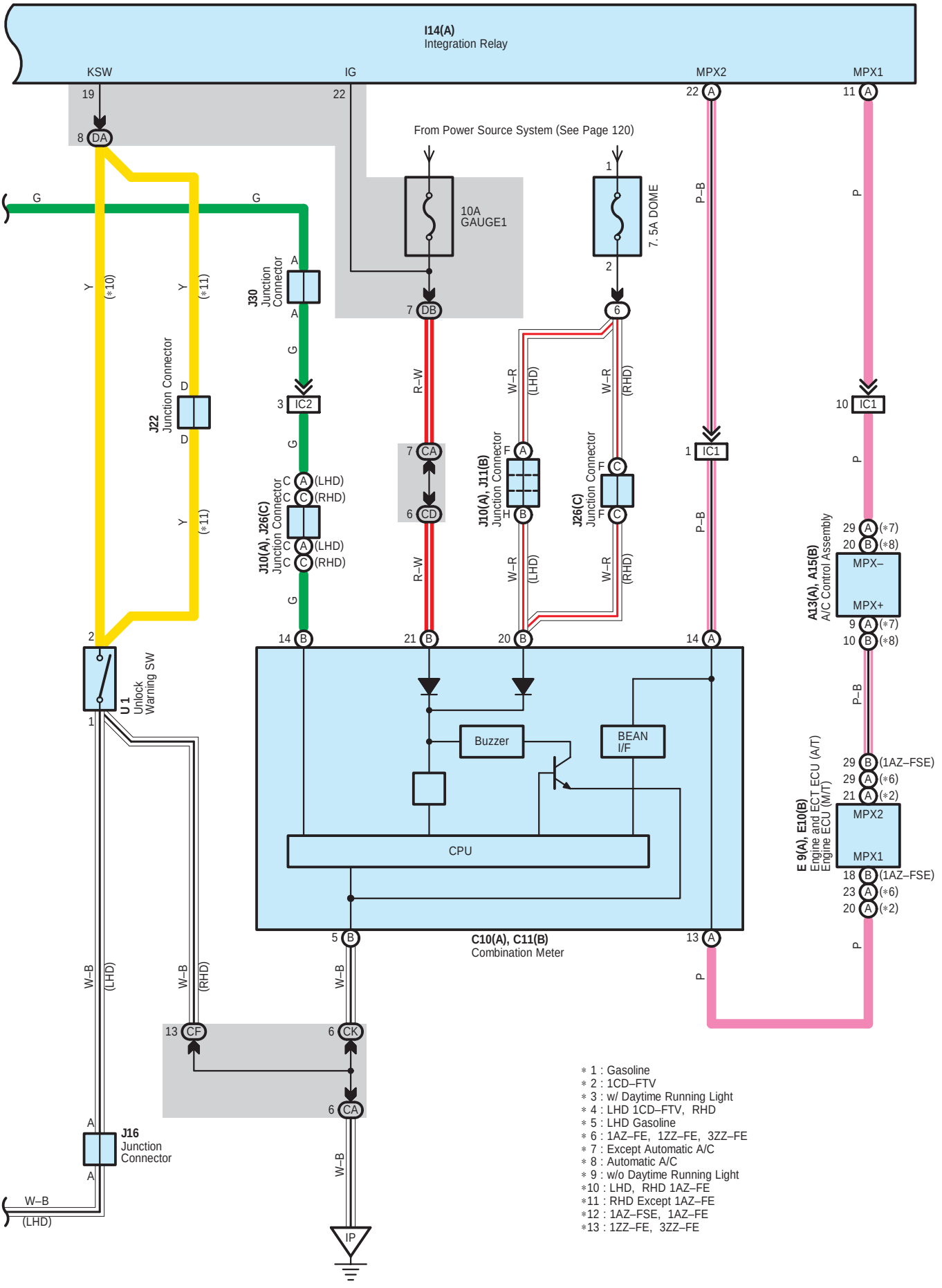
http://vnx.su

Key Reminder and Light Reminder

From Power Source System (See Page 120)

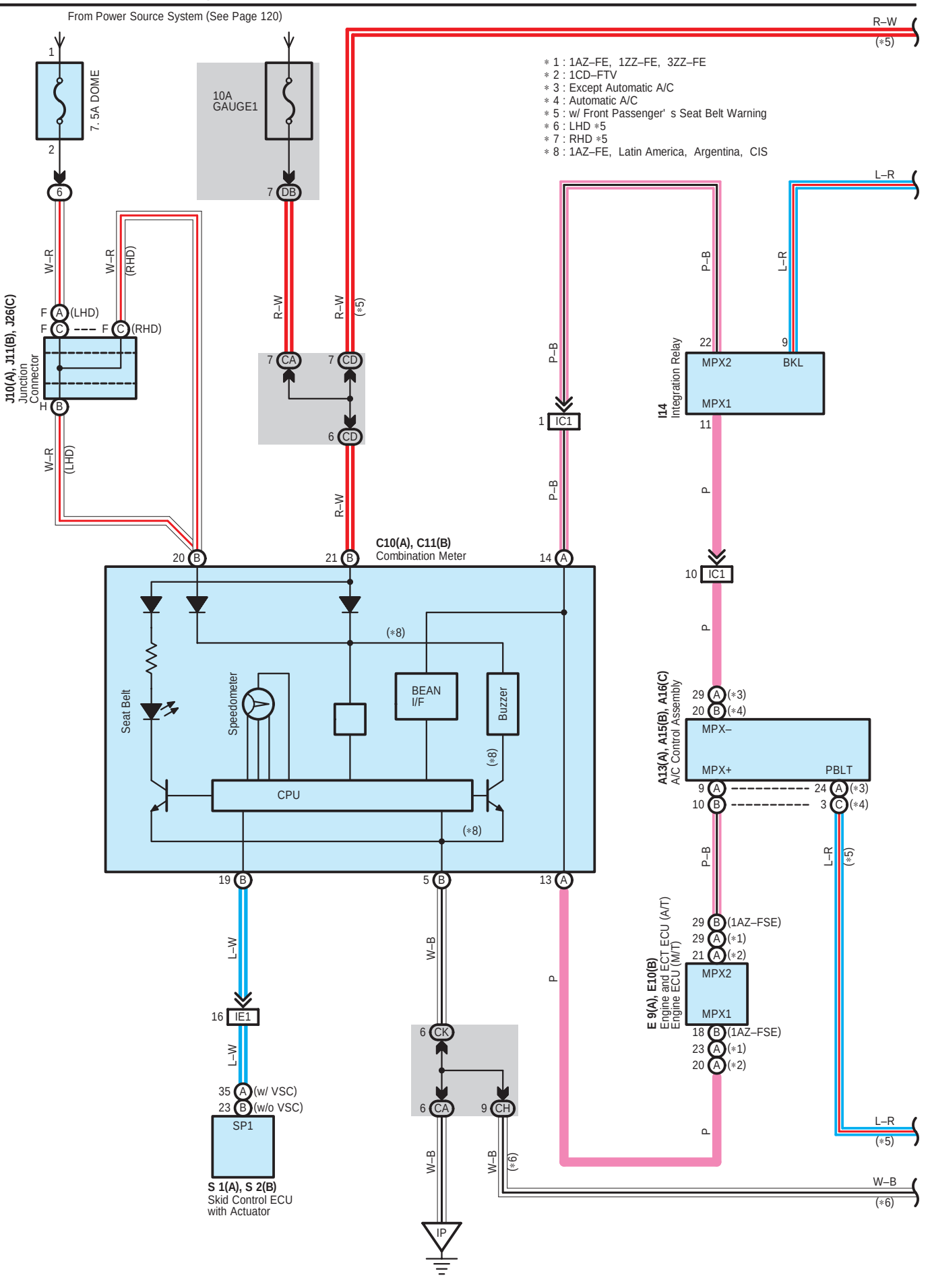


http://vnx.su

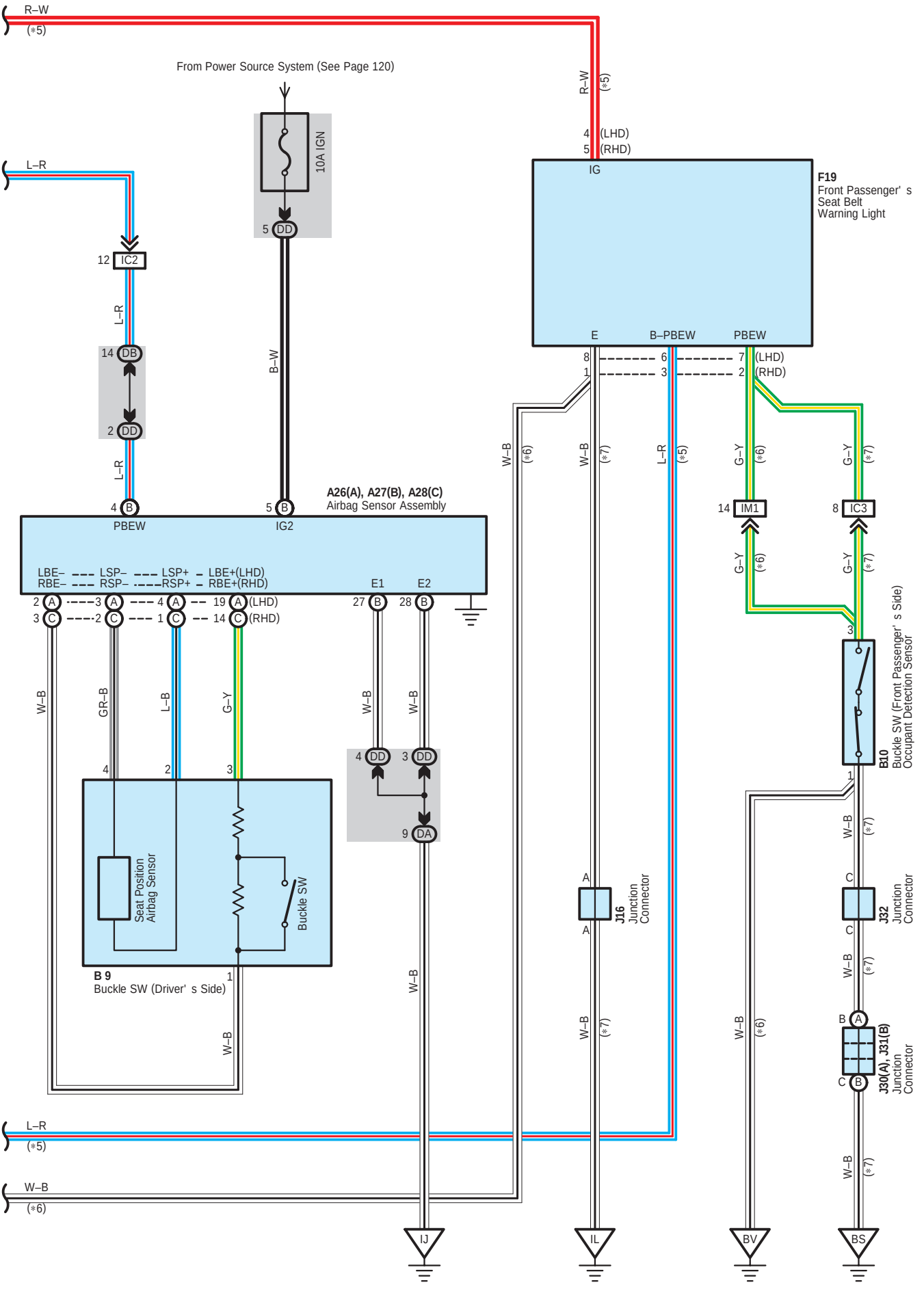

I14(A)
Integration Relay
KSW
IG
MPX2
MPX1
From Power Source System (See Page 120)
10A
GAUGE1
7. 5A DOME
J30
Junction
Connector
J22
Junction Connector
J10(A), J26(C)
Junction Connector
J10(A), J11(B)
Junction Connector
J26(C)
Junction Connector
U 1
Unlock
Warning SW
J16
Junction
Connector
Buzzer
BEAN
I/F
CPU
C10(A), C11(B)
Combination Meter
A13(A), A15(B)
A/C Control Assembly
MPX–
MPX+
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
MPX2
MPX1
IC1
IC2
IP
(LHD)
(RHD)
(*10)
(*11)
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/ Daytime Running Light
∗ 4 : LHD 1CD–FTV, RHD
∗ 5 : LHD Gasoline
∗ 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗ 7 : Except Automatic A/C
∗ 8 : Automatic A/C
∗ 9 : w/o Daytime Running Light
∗10 : LHD, RHD 1AZ–FE
∗11 : RHD Except 1AZ–FE
∗12 : 1AZ–FSE, 1AZ–FE
∗13 : 1ZZ–FE, 3ZZ–FE

http://vnx.su

Seat Belt Warning

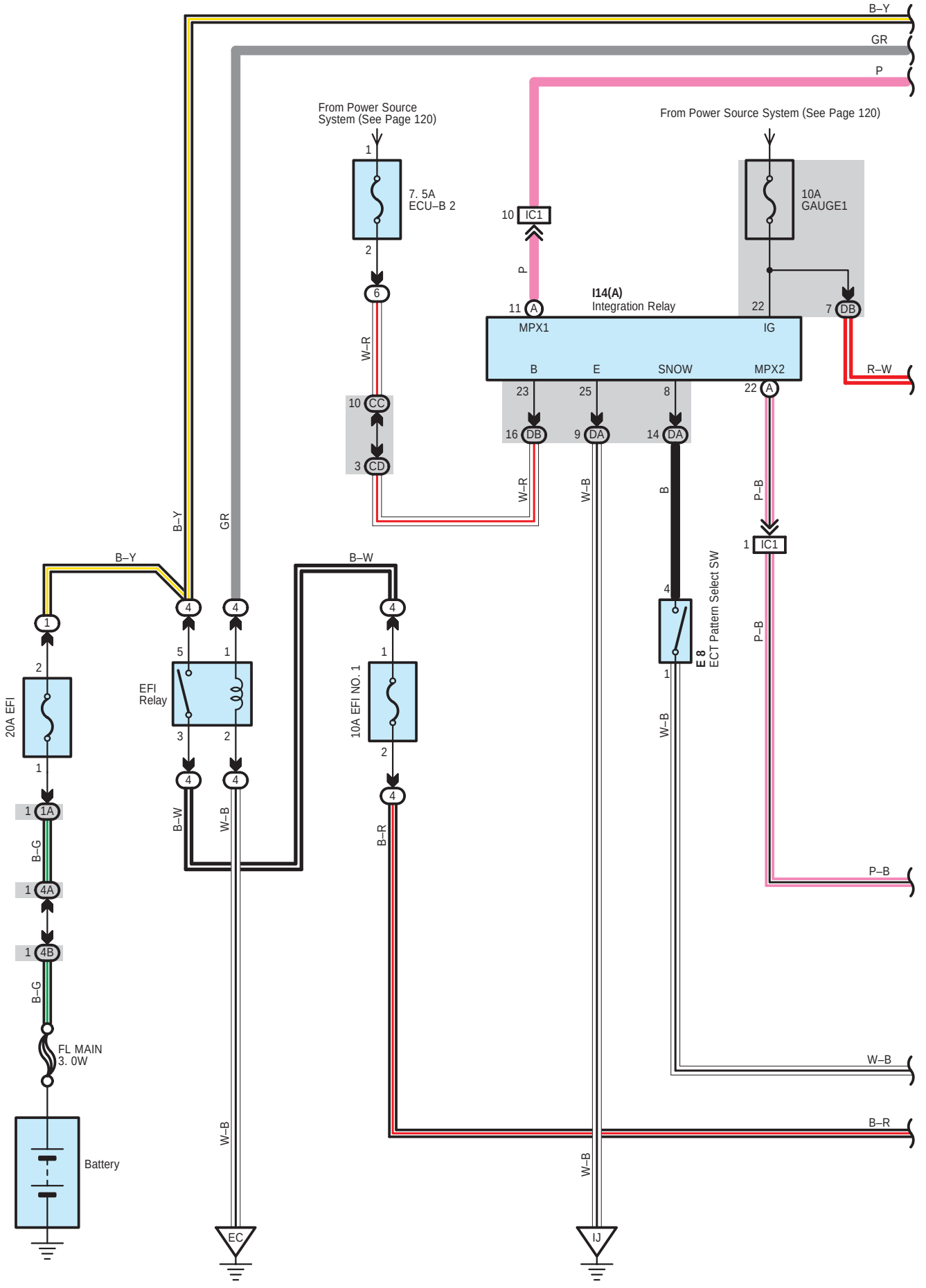


http://vnx.su

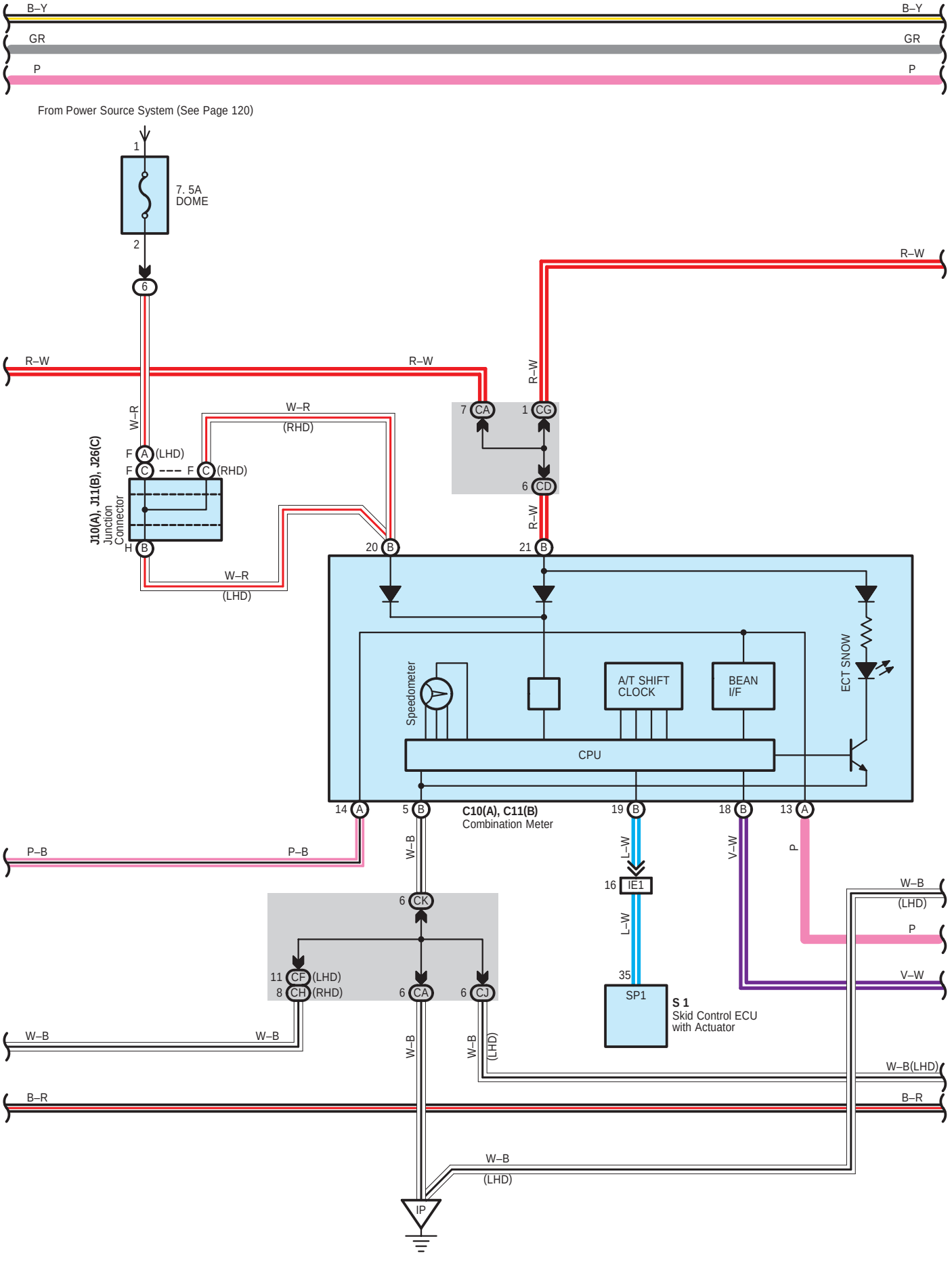

R–W
(*5)
From Power Source System (See Page 120)
10A IGN
5 DD
L–R
12 IC2
L–R
14 DB
2 DD
L–R
B–W
4 B
PBEW
5 B
IG2
A26(A), A27(B), A28(C)
Airbag Sensor Assembly
LBE– RSP– LSP– RSP+ LSP+ RBE+ LBE+(LHD)
RBE– RSP– RSP+ RBE+(RHD)
E1
E2
2 A 3 C
3 A 2 C
4 A 1 C
19 A (LHD)
14 C (RHD)
27 B
28 B
W–B
GR–B
L–B
G–Y
4
2
3
4 DD
3 DD
9 DA
Seat Position Airbag Sensor
Buckle SW
B 9
Buckle SW (Driver' s Side)
1
W–B
W–B
R–W
(*5)
4 (LHD)
5 (RHD)
IG
F19
Front Passenger' s Seat Belt Warning Light
E
B–PBEW
PBEW
8
1
6
3
7 (LHD)
2 (RHD)
W–B
(*6)
W–B
(*7)
L–R
(*5)
G–Y
(*6)
G–Y
(*7)
14 IM1
8 IC3
G–Y
(*6)
G–Y
(*7)
3
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
1
W–B
(*7)
A
A
J16
Junction Connector
C
C
J32
Junction Connector
W–B
(*7)
W–B
(*7)
W–B
(*6)
B A
C B
J30(A), J31(B)
Junction Connector
W–B
(*7)
L–R
(*5)
W–B
(*6)
IJ
IL
BV
BS

http://vnx.su

ECT and A/T Indicator (1AZ–FSE)

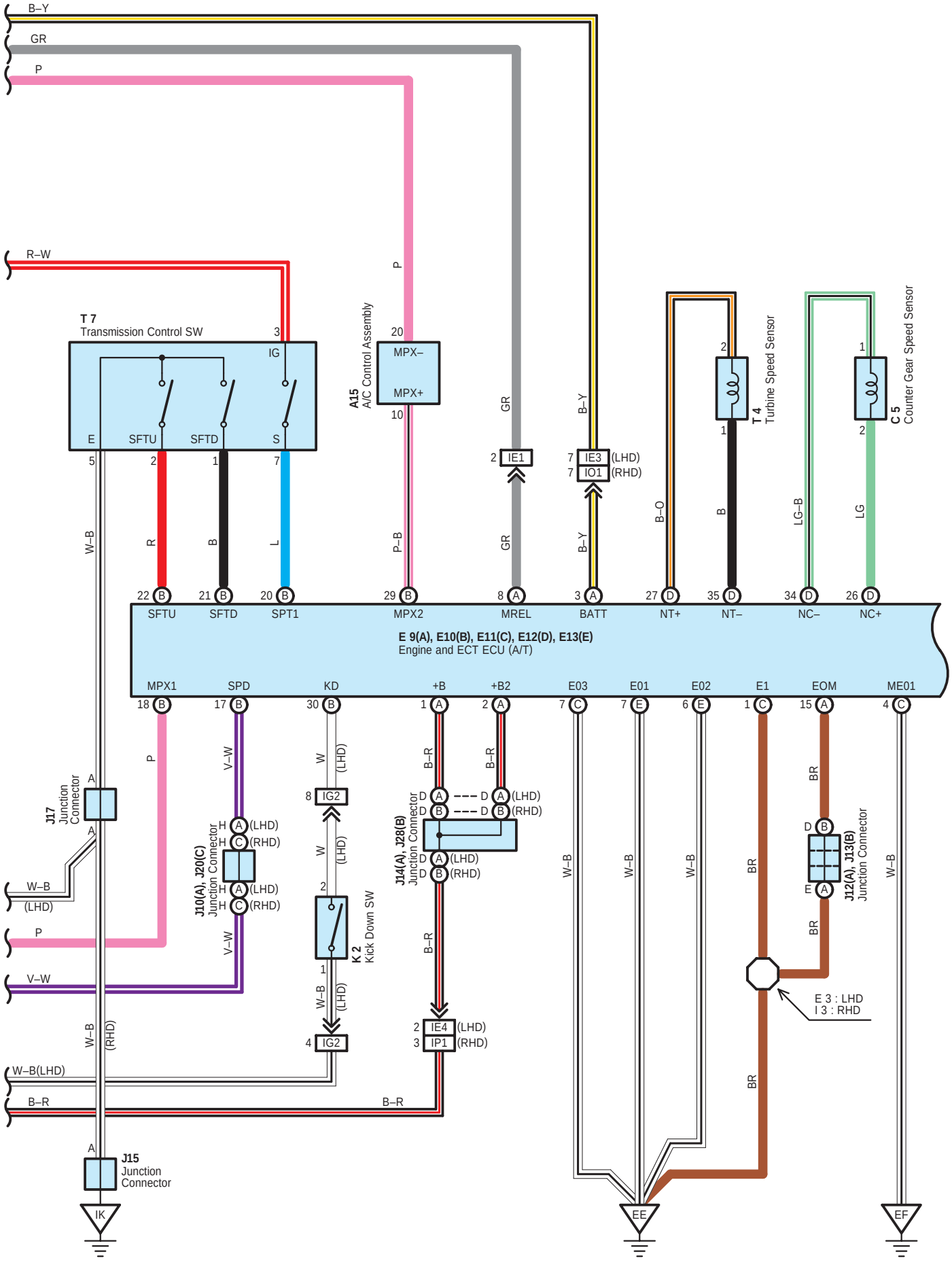


http://vnx.su

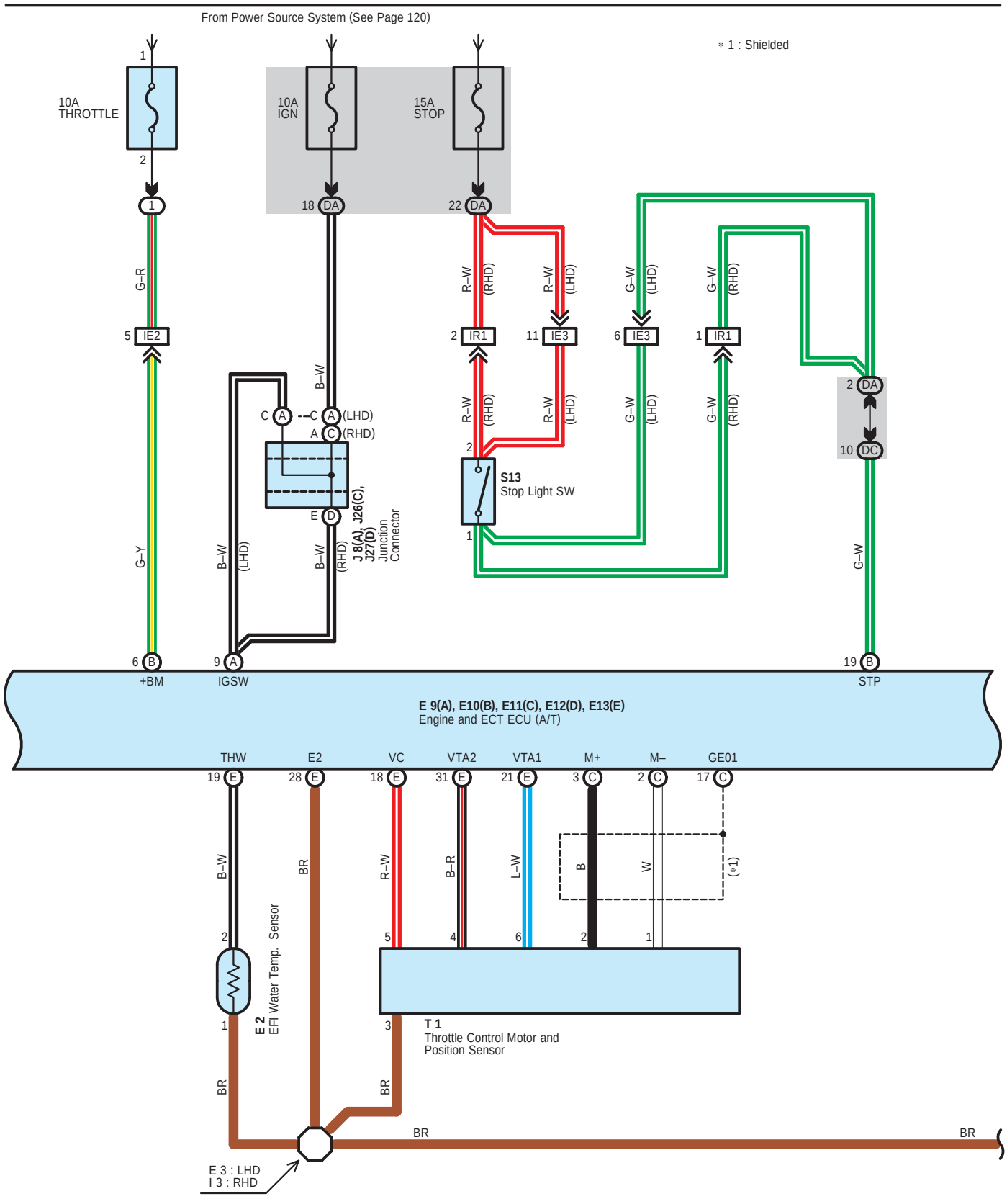

B–Y
B–Y
GR
GR
P
P
From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
R–W
R–W
R–W
R–W
W–R
W–R
(RHD)
7 CA
1 CG
F A (LHD)
F C
F C (RHD)
J10(A), J11(B), J26(C)
Junction
Connector
H B
6 CD
R–W
20 B
21 B
W–R
(LHD)
Speedometer
A/T SHIFT
CLOCK
BEAN
I/F
ECT SNOW
CPU
14 A
5 B
C10(A), C11(B)
Combination Meter
19 B
18 B
13 A
P–B
P–B
W–B
L–W
V–W
P
16 IE1
W–B
(LHD)
6 CK
L–W
P
11 CF (LHD)
8 CH (RHD)
6 CA
6 CJ
35
V–W
SP1
S 1
Skid Control ECU
with Actuator
W–B
W–B
W–B
W–B
(LHD)
W–B(LHD)
B–R
B–R
W–B
(LHD)
IP

http://vnx.su

ECT and A/T Indicator (1AZ–FSE)

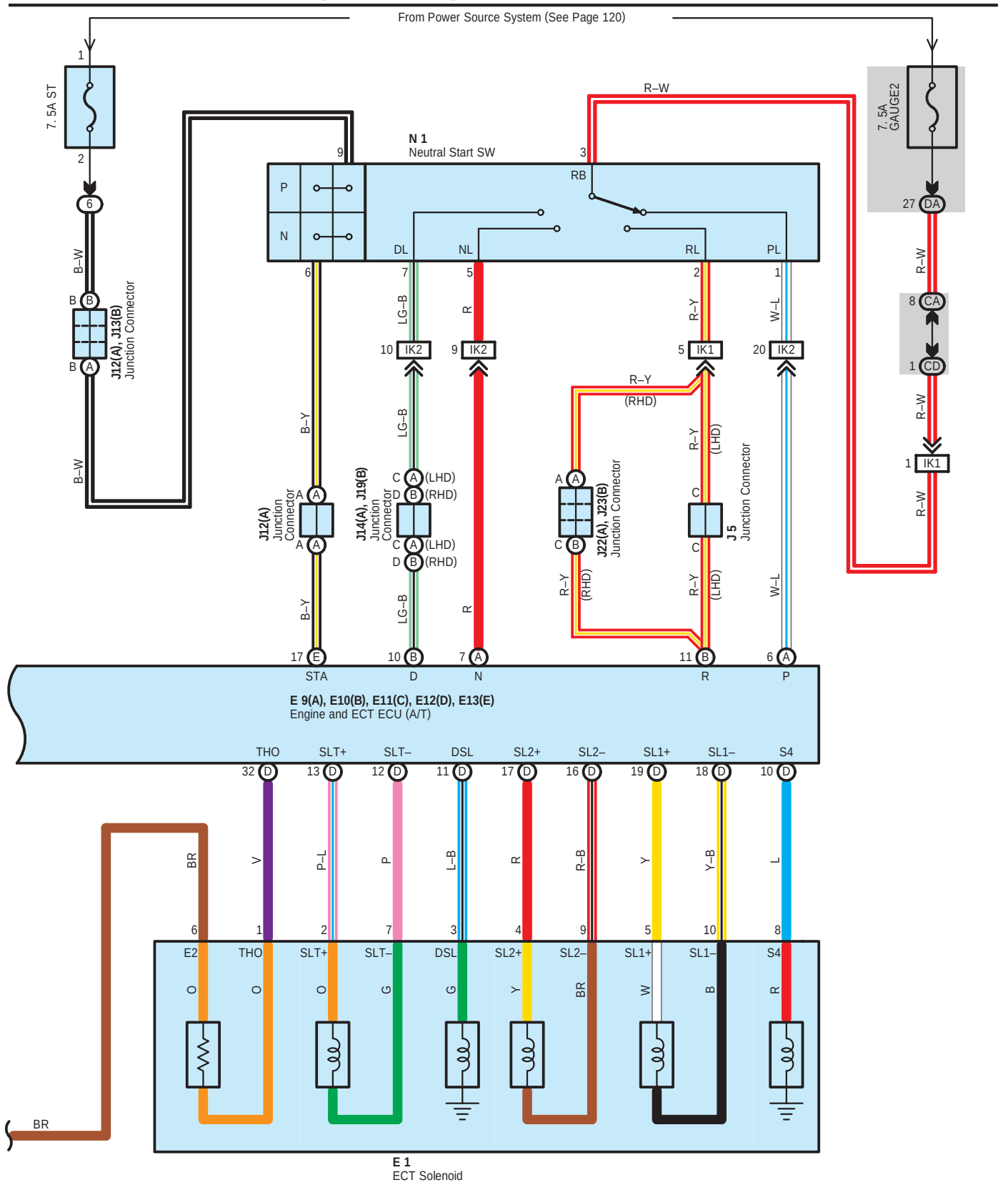


http://vnx.su

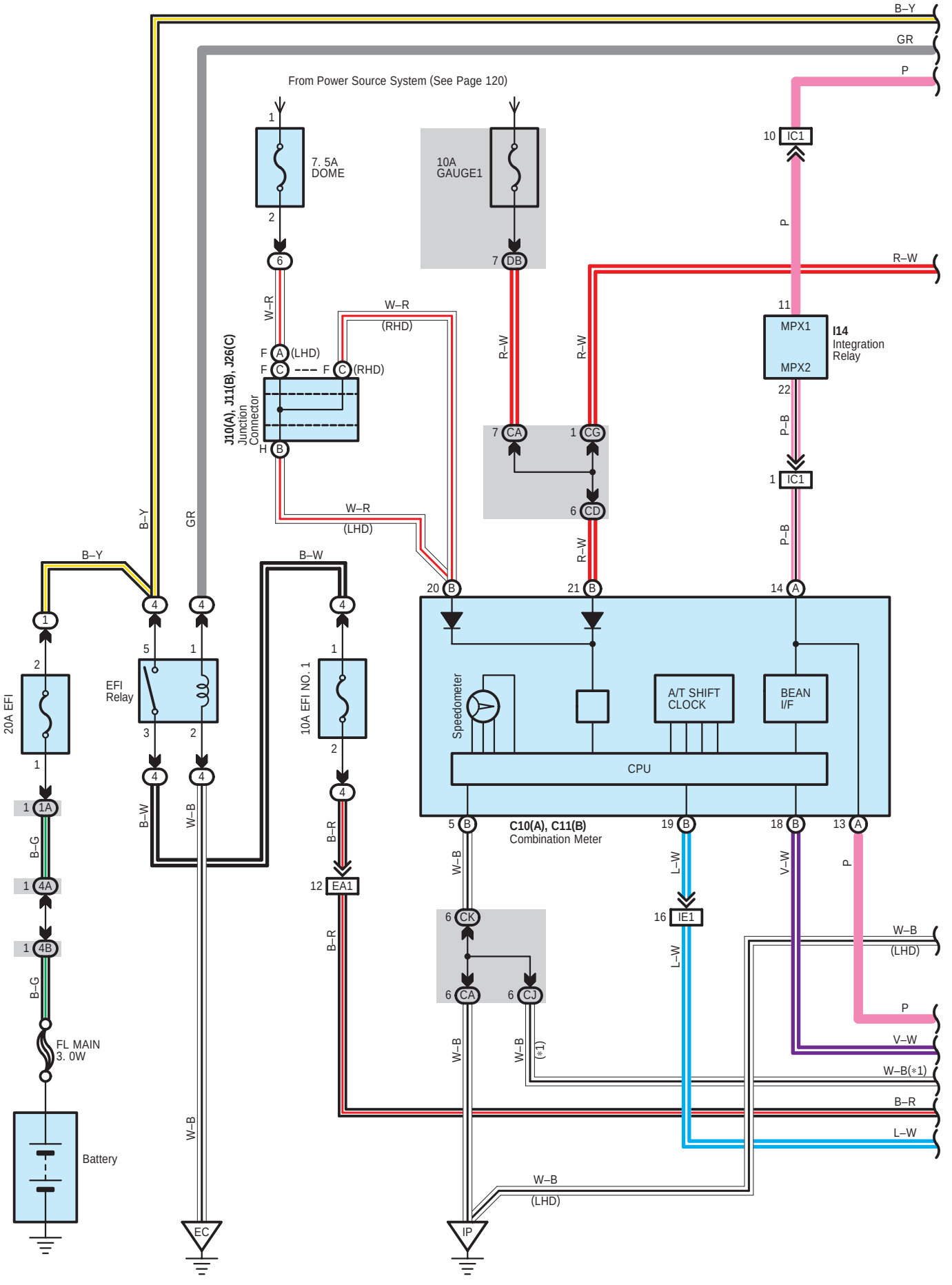

From Power Source System (See Page 120)
* 1 : Shielded
10A THROTTLE
10A IGN
15A STOP
G–R
G–Y
B–W
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
S13
Stop Light SW
J 8(A), J26(C), J27(D) Junction Connector
+BM
IGSW
STP
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
THW
E2
VC
VTA2
VTA1
M+
M–
GE01
E 2
EFI Water Temp. Sensor
T 1
Throttle Control Motor and Position Sensor
BR
L–W
B
W
(*1)
E 3 : LHD
I 3 : RHD

http://vnx.su

ECT and A/T Indicator (1AZ–FSE)

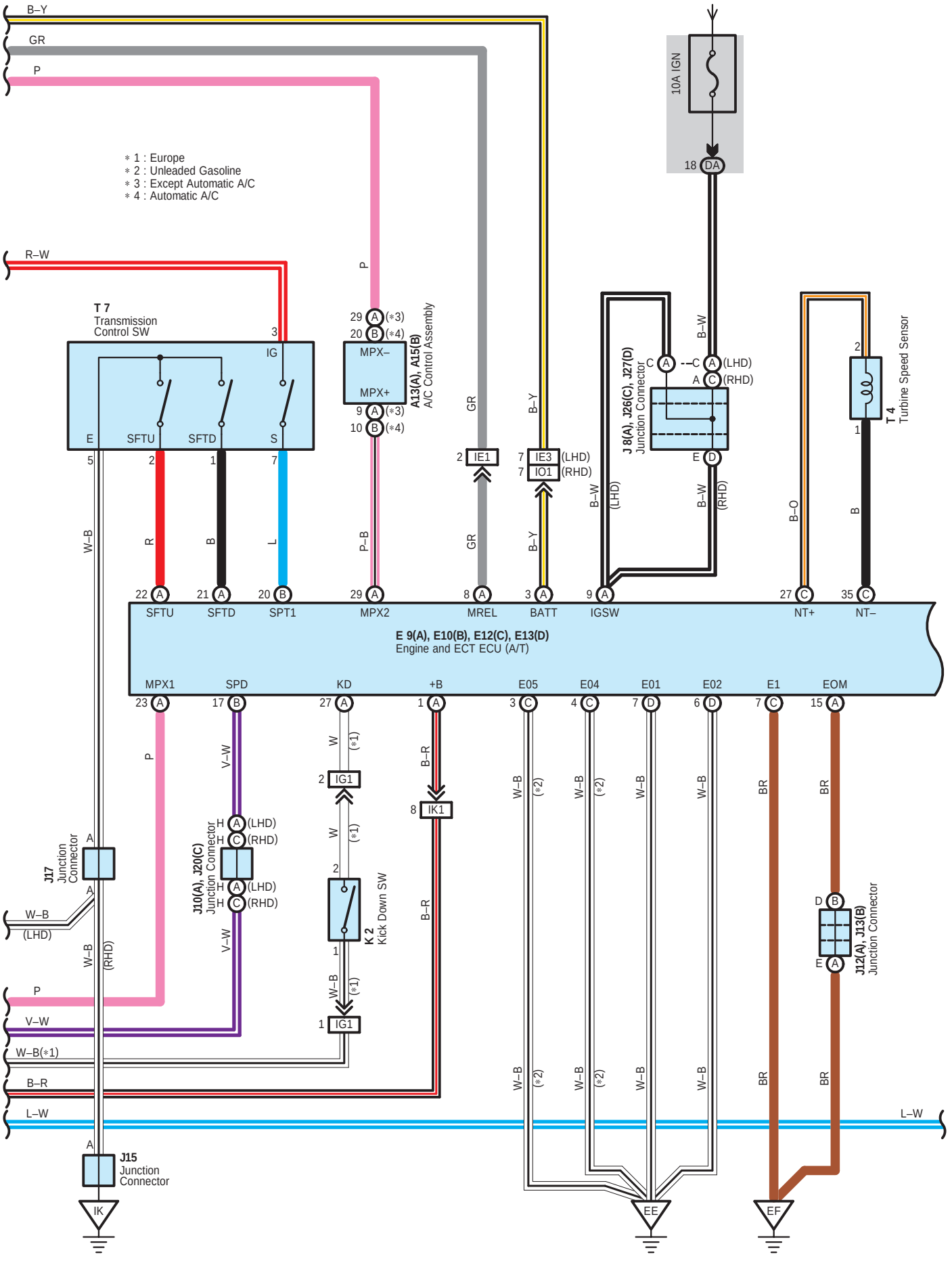


http://vnx.su


From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
B–Y
GR
P
R–W
W–R
(RHD)
W–R
(LHD)
J10(A), J11(B), J26(C)
Junction
Connector
(LHD)
(RHD)
IC1
MPX1
MPX2
I14
Integration
Relay
P–B
B–W
20A EFI
EFI
Relay
10A EFI NO. 1
Speedometer
A/T SHIFT
CLOCK
BEAN
I/F
CPU
C10(A), C11(B)
Combination Meter
B–G
B–R
L–W
V–W
W–B
W–B(*1)
(*1)
EA1
IE1
FL MAIN
3. 0W
Battery
EC
IP

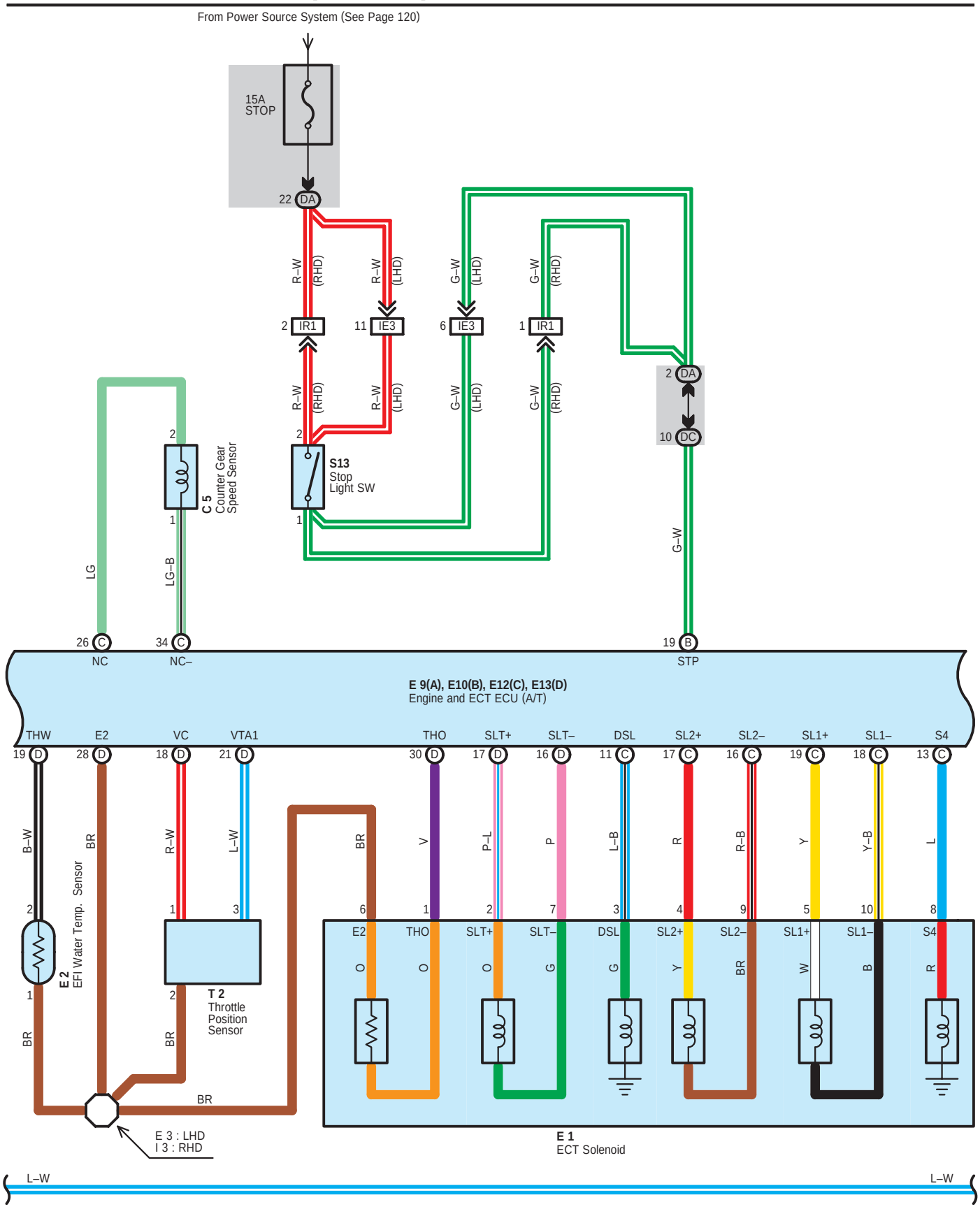
http://vnx.su

From Power Source System (See Page 120)

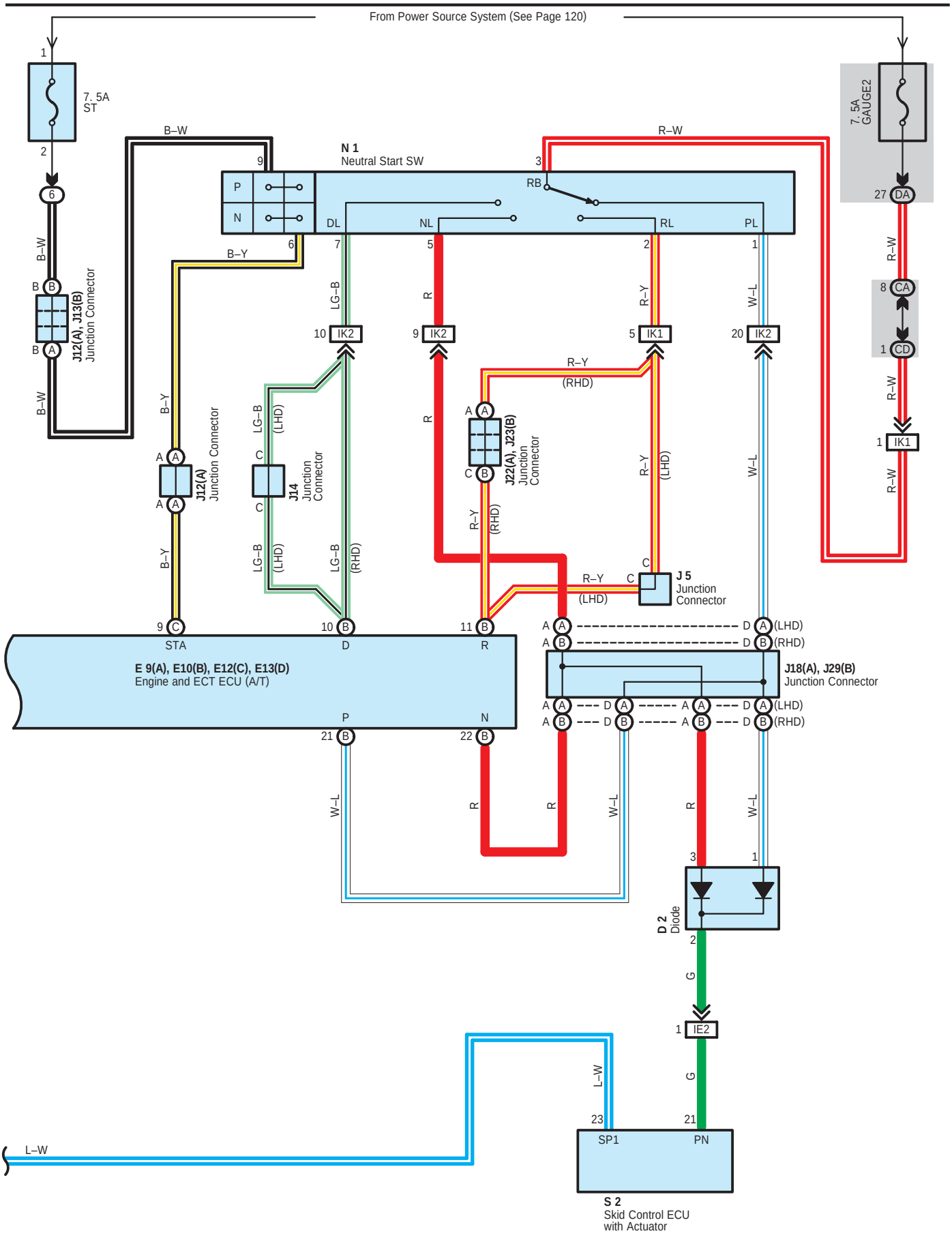


http://vnx.su

ECT and A/T Indicator (1AZ–FE)

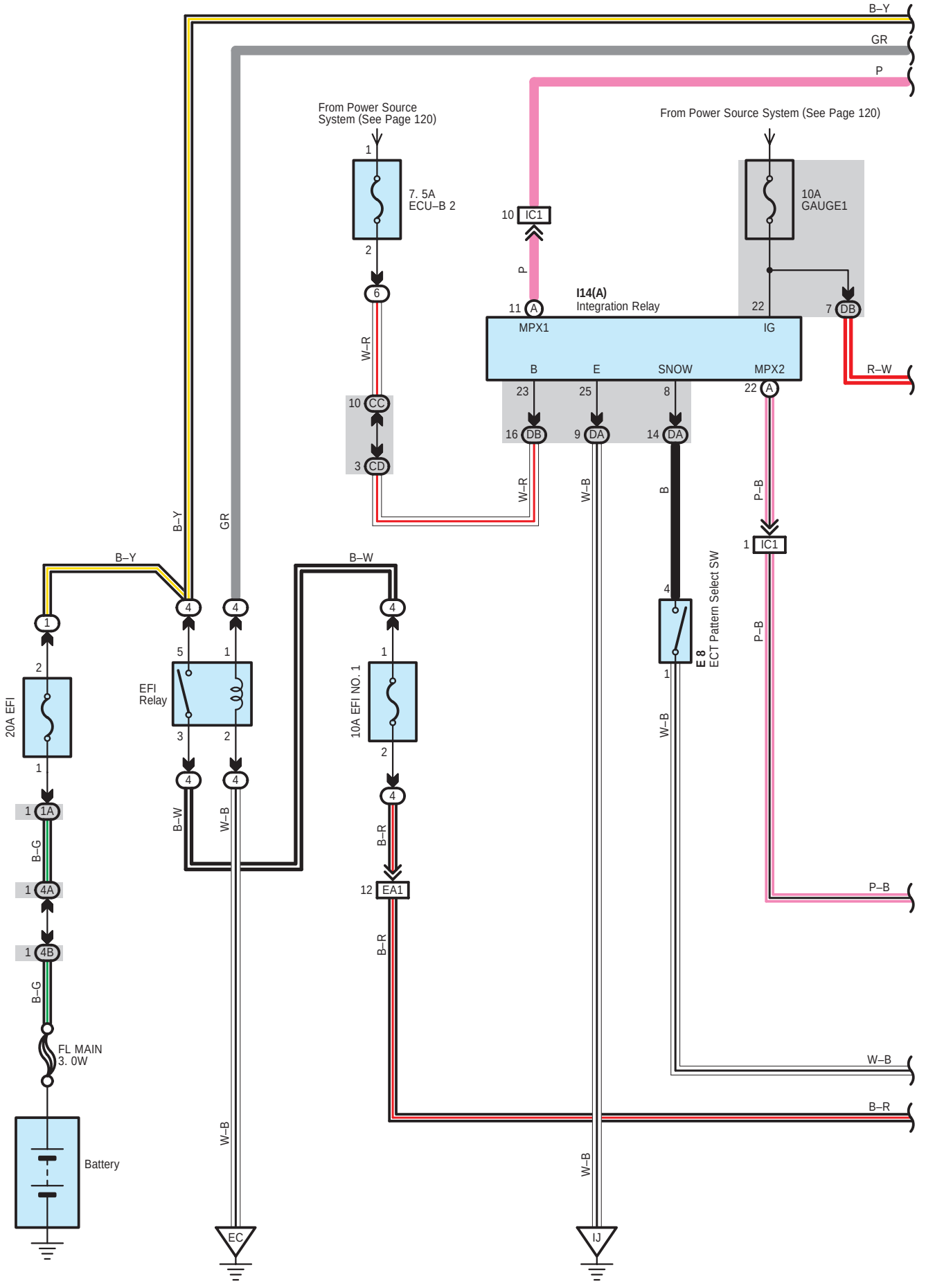


http://vnx.su

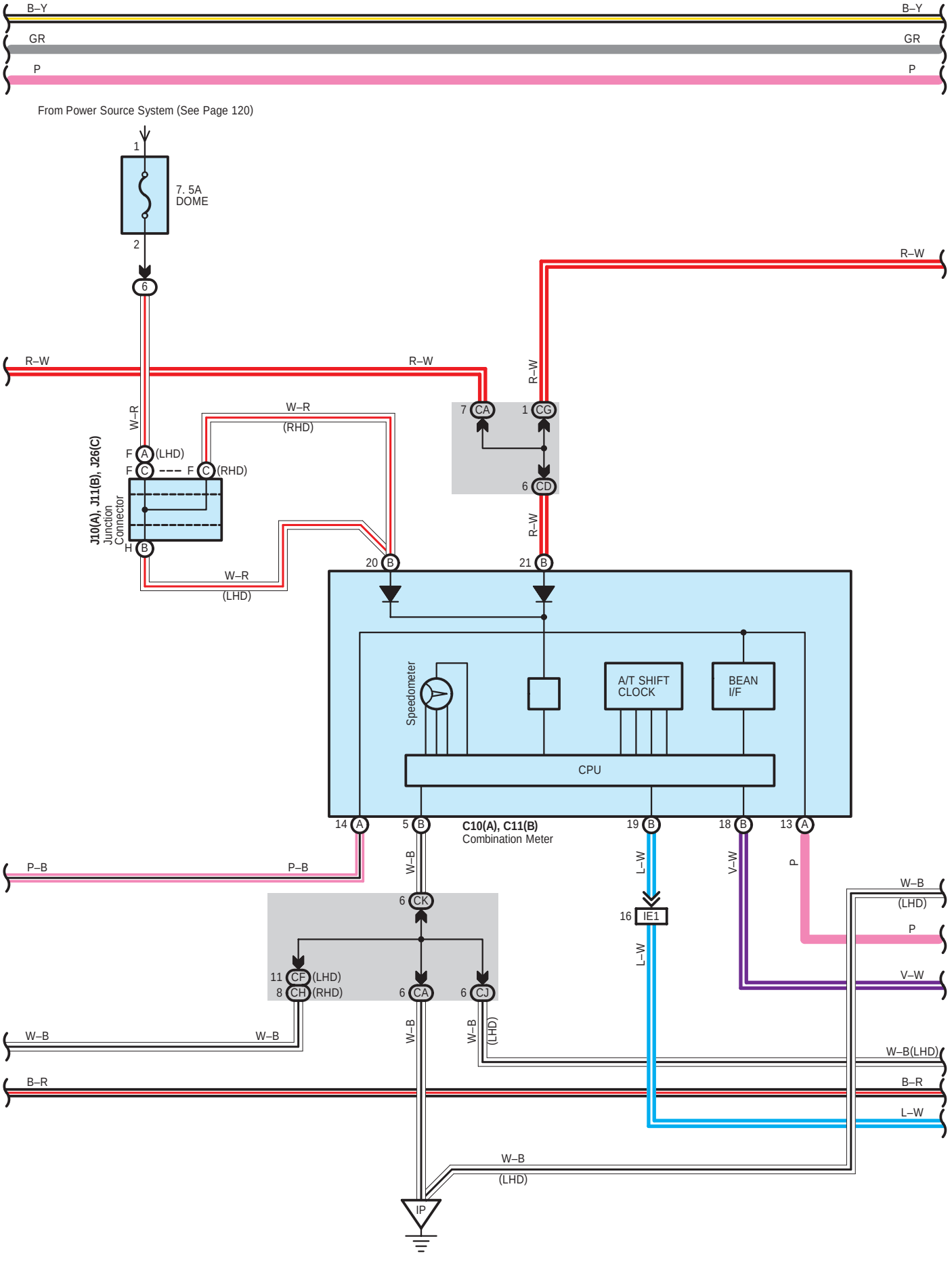

From Power Source System (See Page 120)
7. 5A
ST
7. 5A
GAUGE2
N 1
Neutral Start SW
P
N
RB
DL
NL
RL
PL
J12(A), J13(B)
Junction Connector
J12(A)
Junction Connector
J14
Junction Connector
J22(A), J23(B)
Junction Connector
J 5
Junction
Connector
J18(A), J29(B)
Junction Connector
D 2
Diode
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
S 2
Skid Control ECU
with Actuator
STA
D
R
P
N
SP1
PN
IK1
IK2
IE2
CA
CD
DA
(LHD)
(RHD)
B–W
B–Y
R–W
R–Y
W–L
LG–B
L–W
G
R

http://vnx.su

ECT and A/T Indicator (1ZZ–FE)

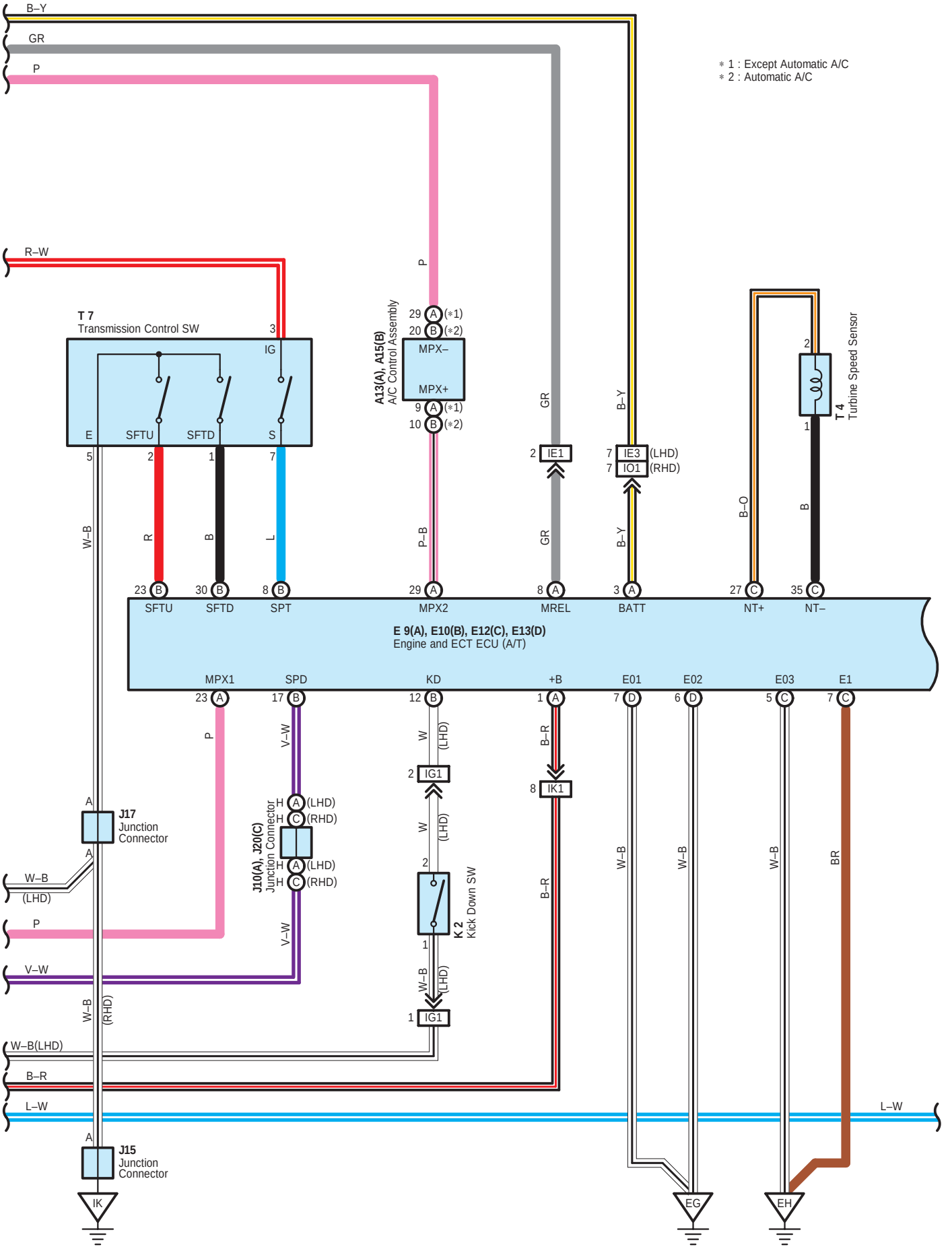


http://vnx.su

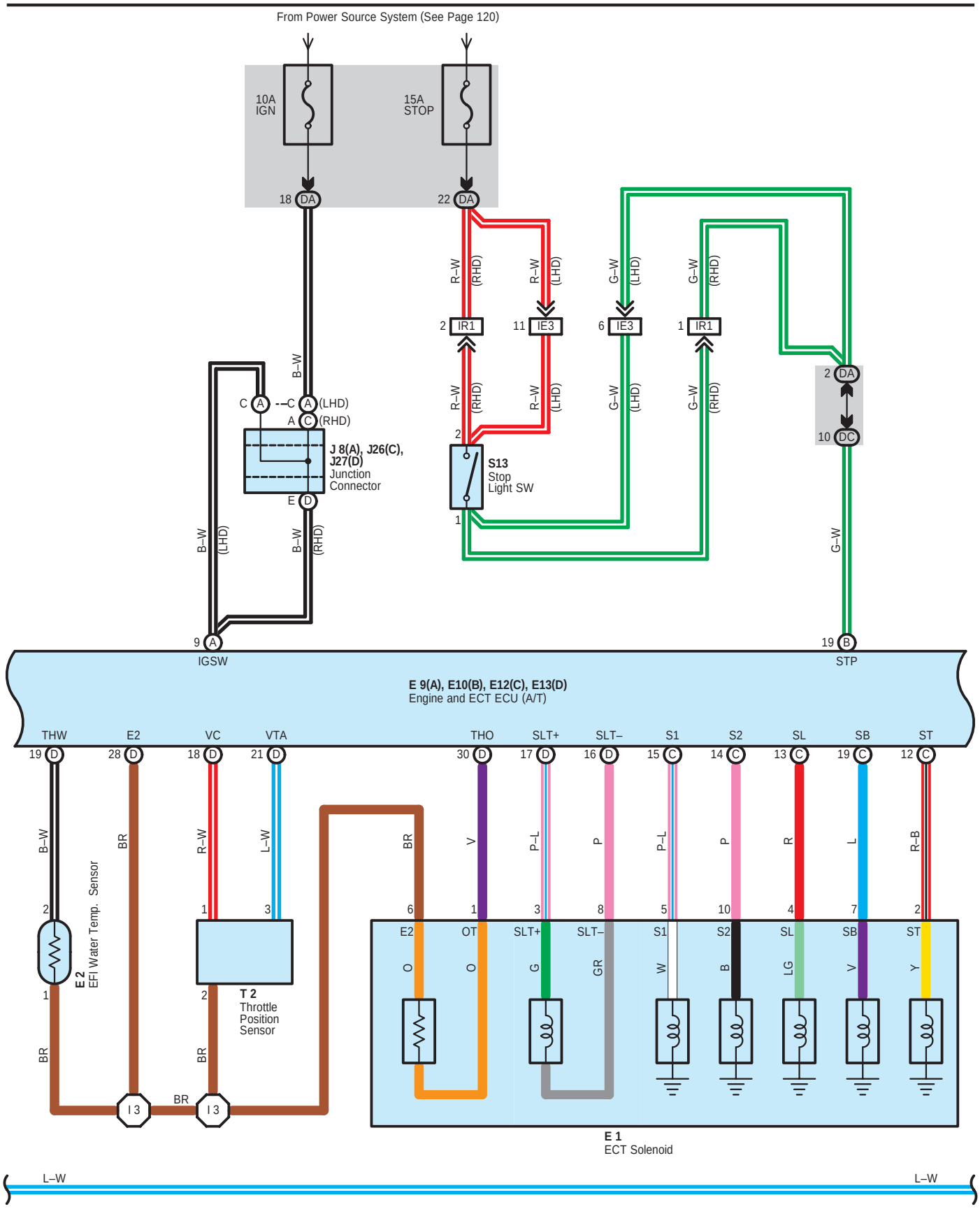

B–Y
B–Y
GR
GR
P
P
From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
R–W
R–W
R–W
R–W
W–R
W–R
(RHD)
7 CA
1 CG
F A (LHD)
F C
F C (RHD)
J10(A), J11(B), J26(C)
Junction
Connector
H B
6 CD
R–W
20 B
21 B
W–R
(LHD)
Speedometer
A/T SHIFT
CLOCK
BEAN
I/F
CPU
14 A
5 B
C10(A), C11(B)
Combination Meter
19 B
18 B
13 A
P–B
P–B
W–B
L–W
V–W
P
6 CK
16 IE1
L–W
W–B
(LHD)
P
V–W
11 CF (LHD)
8 CH (RHD)
6 CA
6 CJ
W–B
W–B
W–B
W–B
(LHD)
W–B(LHD)
B–R
B–R
L–W
W–B
(LHD)
IP

http://vnx.su

ECT and A/T Indicator (1ZZ–FE)

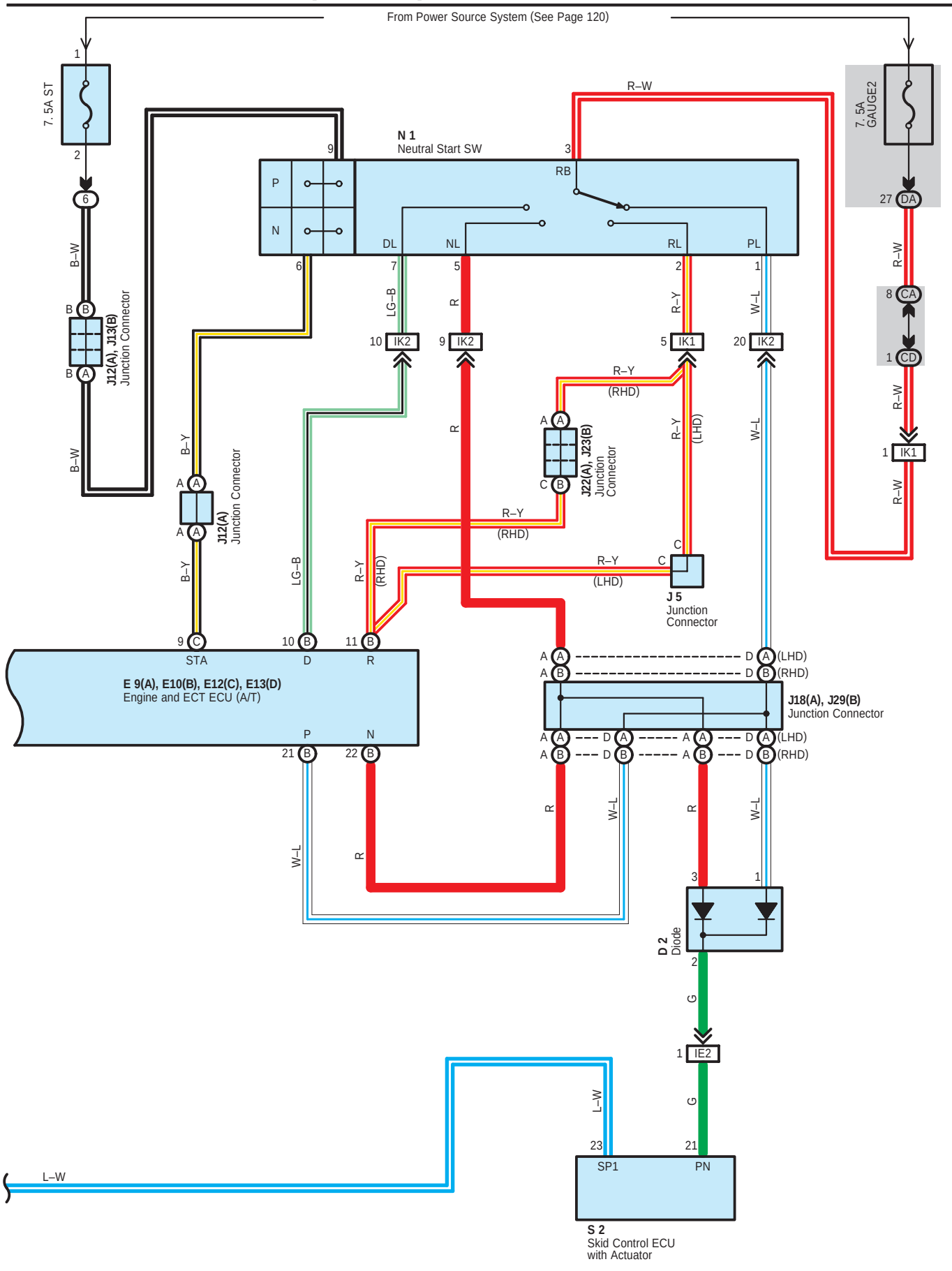


http://vnx.su

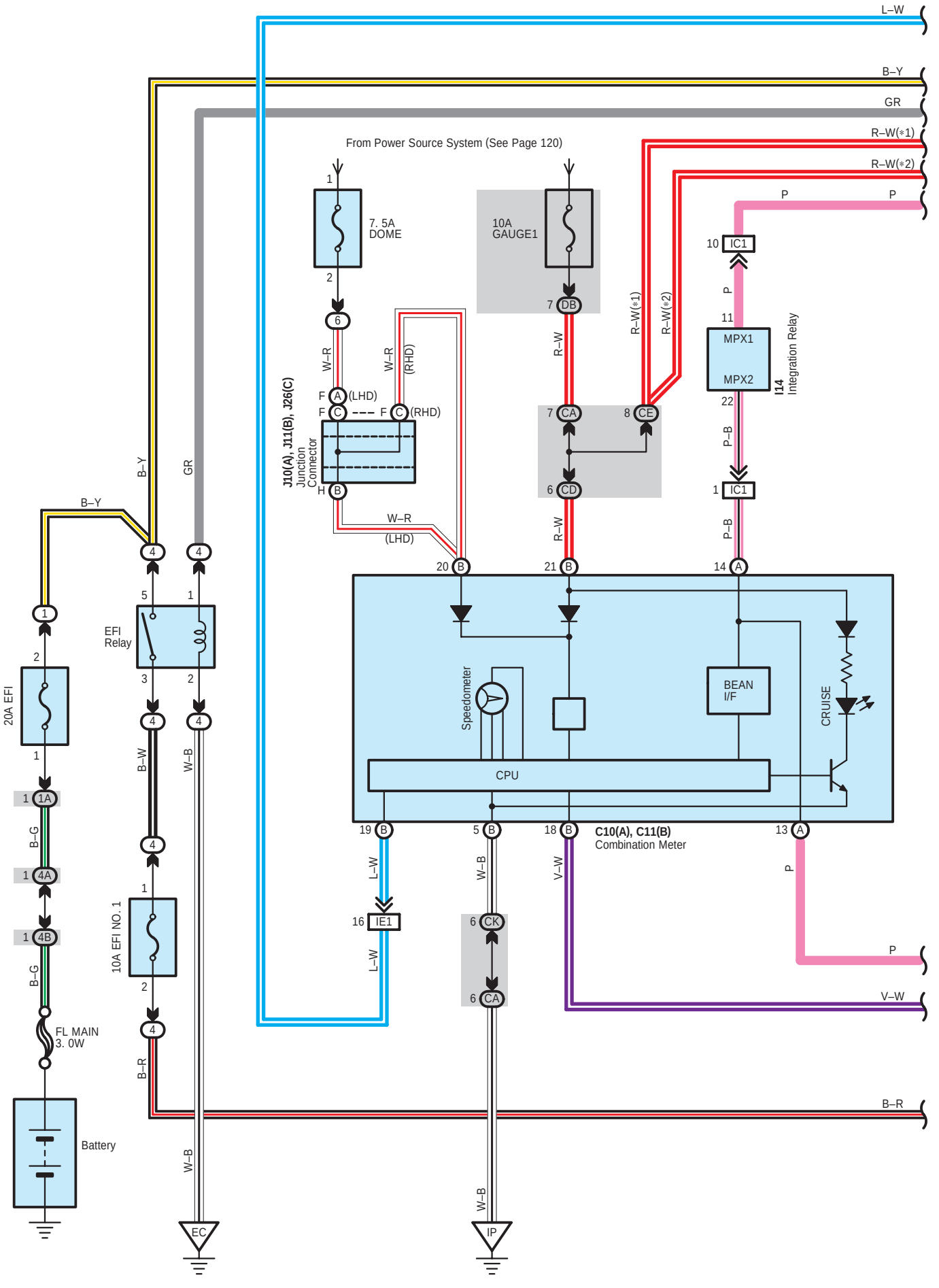

From Power Source System (See Page 120)
10A
IGN
15A
STOP
18 DA
22 DA
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
2 IR1
11 IE3
6 IE3
1 IR1
B–W
C A (LHD)
A C (RHD)
J 8(A), J26(C), J27(D)
Junction Connector
E D
S13
Stop Light SW
2 DA
10 DC
B–W (LHD)
B–W (RHD)
G–W
9 A
IGSW
19 B
STP
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
THW
E2
VC
VTA
THO
SLT+
SLT–
S1
S2
SL
SB
ST
19 D
28 D
18 D
21 D
30 D
17 D
16 D
15 C
14 C
13 C
19 C
12 C
B–W
BR
R–W
L–W
BR
V
P–L
P
P–L
P
R
L
R–B
2
1
3
6
1
3
8
5
10
4
7
2
E2
OT
SLT+
SLT–
S1
S2
SL
SB
ST
O
O
G
GR
W
B
LG
V
Y
E 2
EFI Water Temp. Sensor
T 2
Throttle Position Sensor
BR
BR
BR
I 3
I 3
E 1
ECT Solenoid
L–W
L–W

http://vnx.su

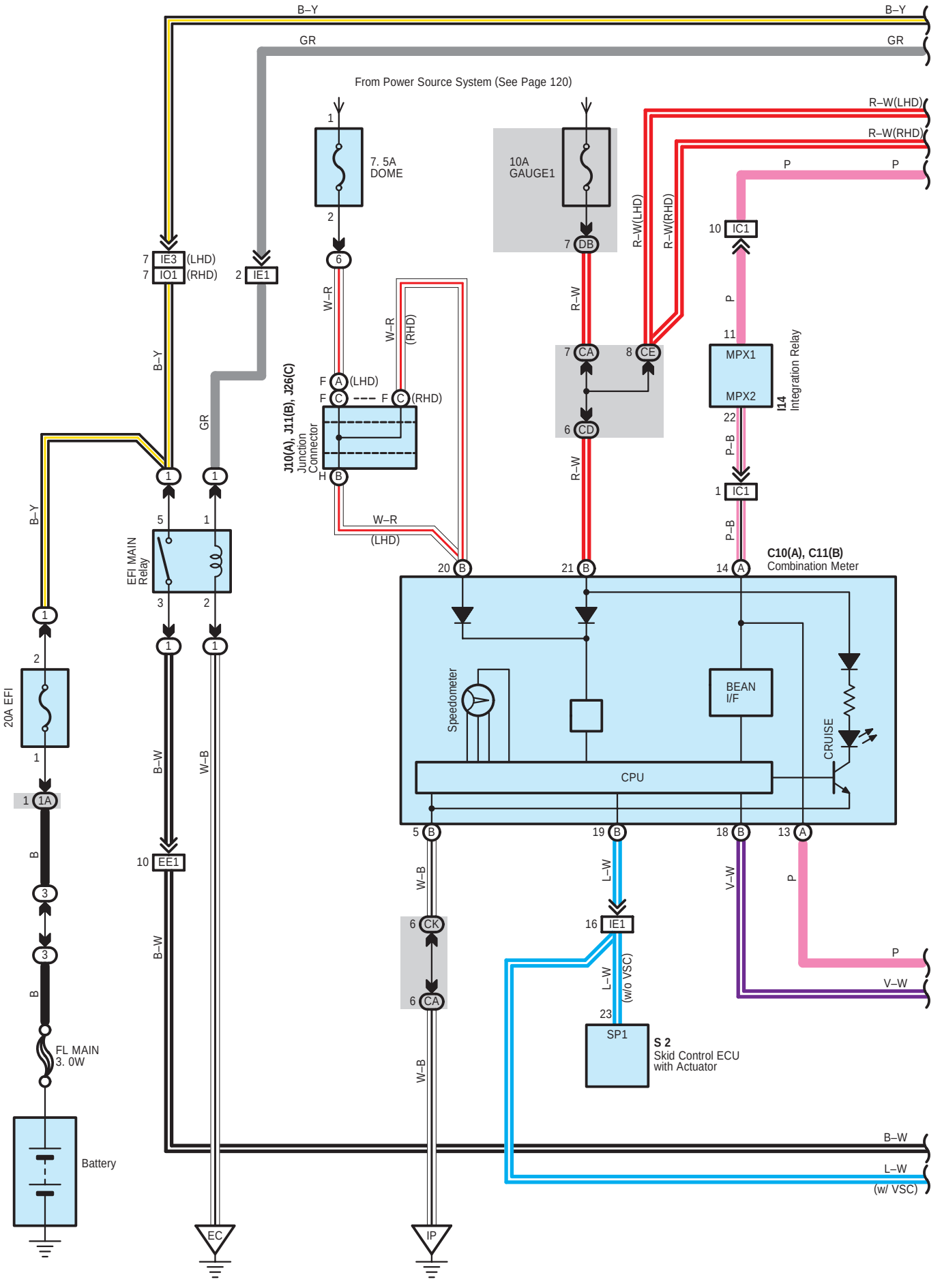
ECT and A/T Indicator (1ZZ–FE)



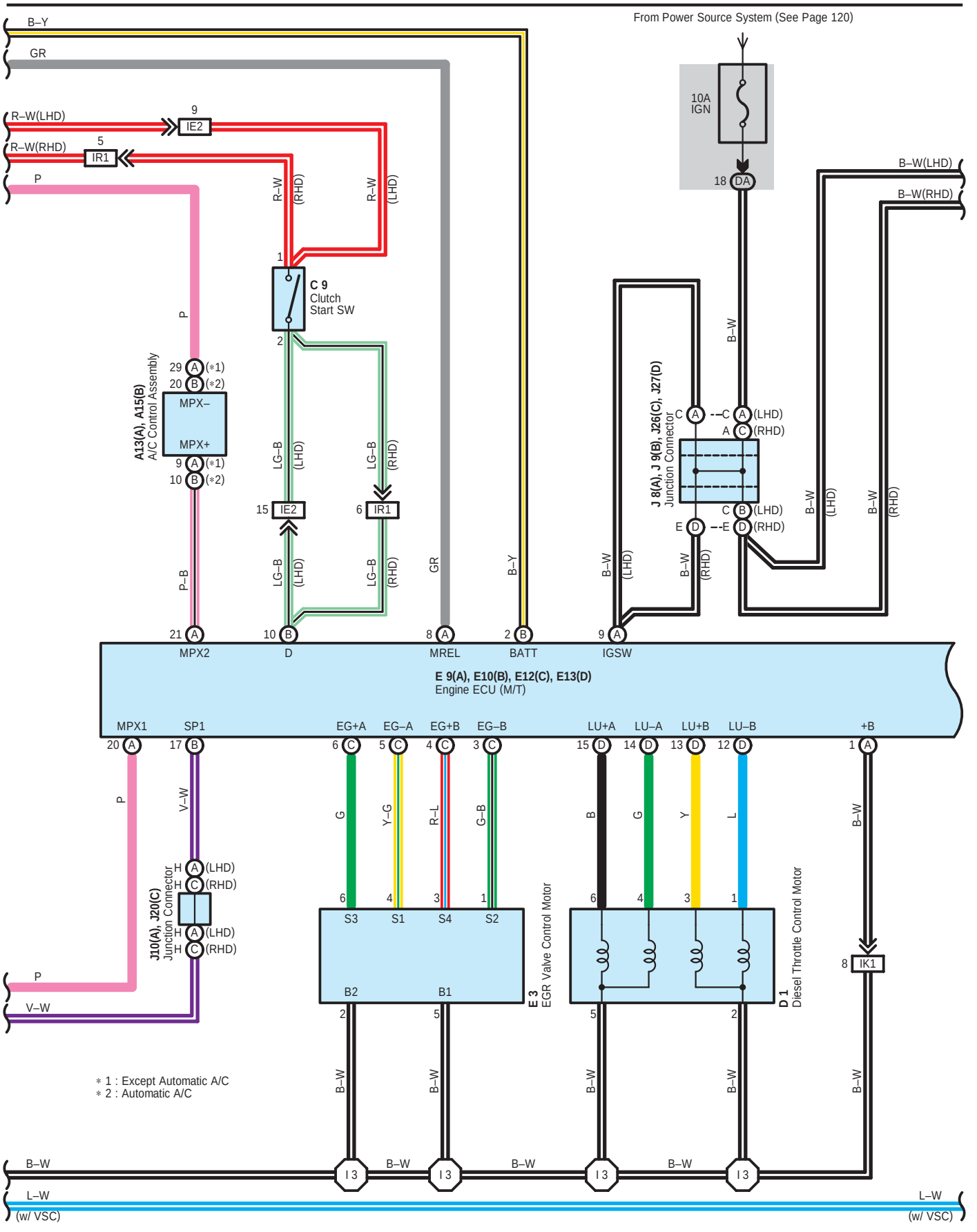
http://vnx.su


L–W
B–Y
GR
R–W(*1)
R–W(*2)
From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
P
10 IC1
11
MPX1
MPX2
I14
Integration Relay
22
P–B
1 IC1
J10(A), J11(B), J26(C)
Junction
Connector
F A (LHD)
F C F C (RHD)
H B
W–R
(LHD)
W–R
(RHD)
7 DB
R–W
7 CA
8 CE
6 CD
20 B
21 B
14 A
EFI
Relay
20A EFI
10A EFI NO. 1
FL MAIN
3. 0W
Battery
Speedometer
CPU
BEAN
I/F
CRUISE
19 B
5 B
18 B
13 A
C10(A), C11(B)
Combination Meter
L–W
W–B
V–W
P
16 IE1
6 CK
6 CA
B–G
B–W
B–R
EC
IP

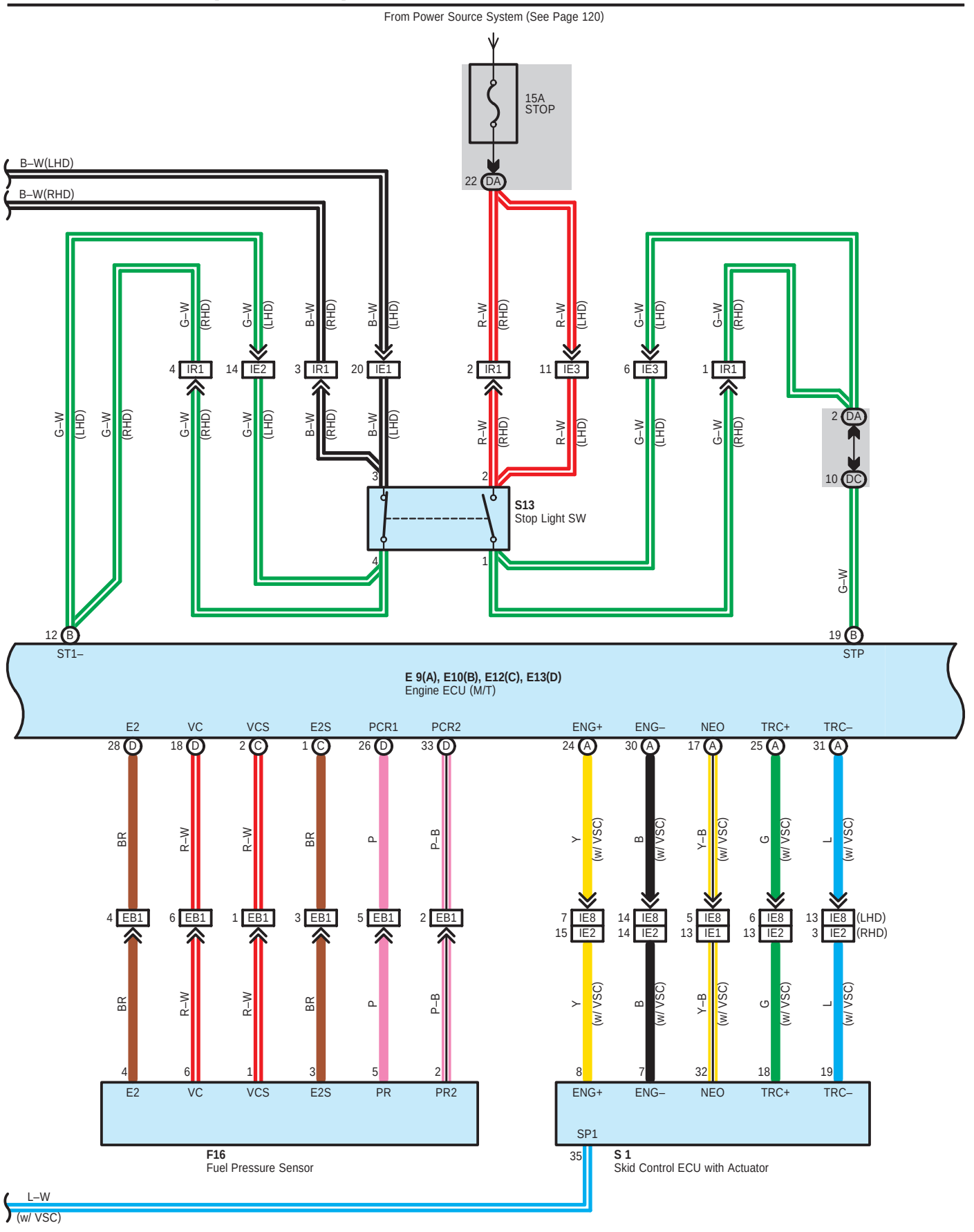
http://vnx.su


B–Y
GR
From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
R–W(LHD)
R–W(RHD)
P
7 IE3 (LHD)
7 IO1 (RHD)
2 IE1
W–R
W–R (RHD)
R–W
J10(A), J11(B), J26(C)
Junction Connector
F A (LHD)
F C --- F C (RHD)
H B
W–R (LHD)
7 DB
7 CA
8 CE
6 CD
10 IC1
11 MPX1
MPX2
I14
Integration Relay
22
1 IC1
P–B
EFI MAIN
Relay
20A EFI
1A
B
FL MAIN
3. 0W
Battery
B–W
W–B
10 EE1
20 B
21 B
14 A
C10(A), C11(B)
Combination Meter
Speedometer
BEAN
I/F
CRUISE
CPU
5 B
19 B
18 B
13 A
6 CK
6 CA
L–W
V–W
16 IE1
(w/o VSC)
(w/ VSC)
23 SP1
S 2
Skid Control ECU
with Actuator
EC
IP

http://vnx.su

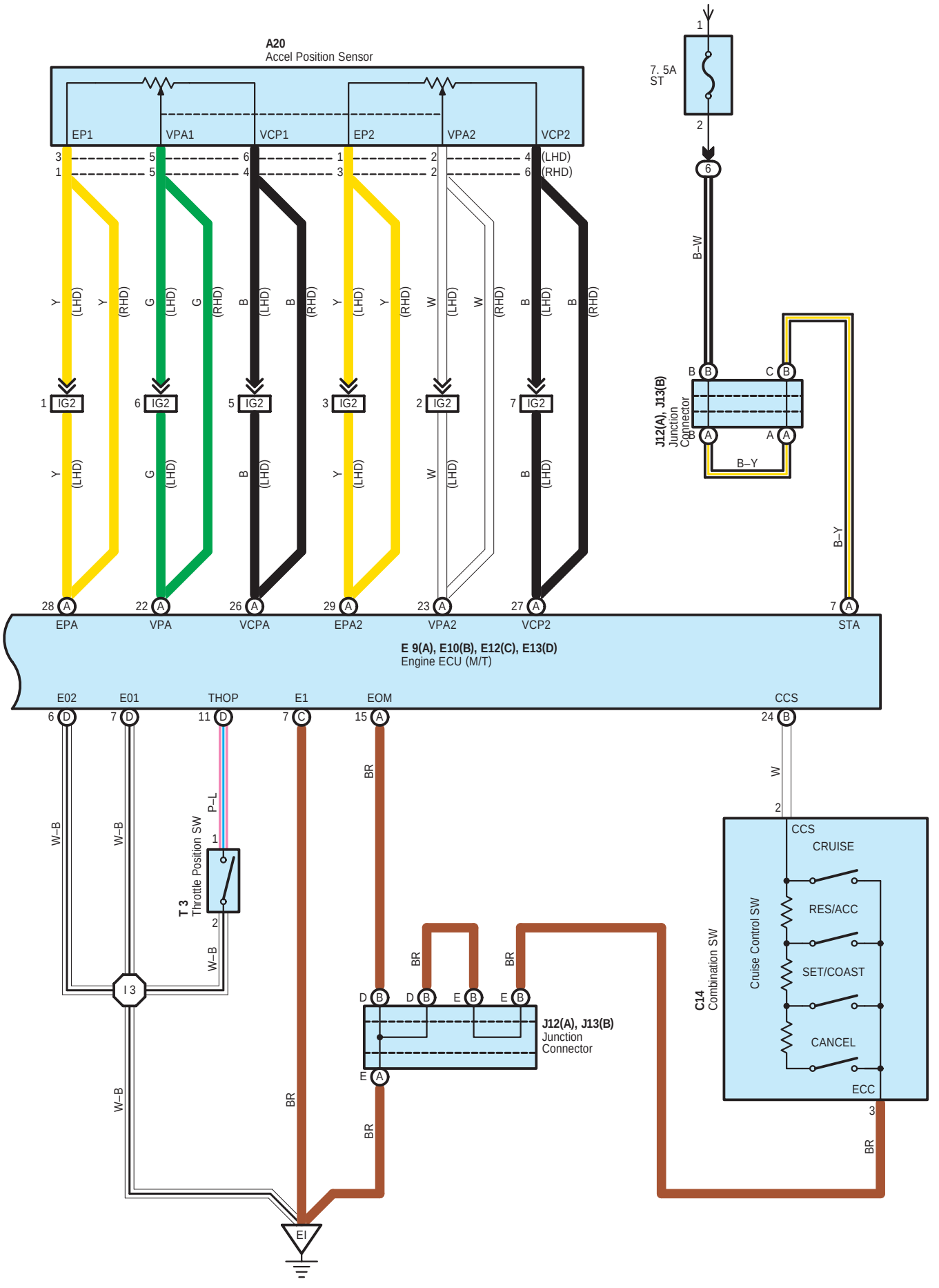

From Power Source System (See Page 120)
B–Y
GR
R–W(LHD)
R–W(RHD)
P
9
IE2
5
IR1
R–W (RHD)
R–W (LHD)
1
C 9
Clutch
Start SW
2
P
P–B
LG–B (LHD)
LG–B (RHD)
A13(A), A15(B)
A/C Control Assembly
29 A (*1)
20 B (*2)
MPX–
MPX+
9 A (*1)
10 B (*2)
15 IE2
6 IR1
21 A
10 B
8 A
2 B
9 A
MPX2
D
MREL
BATT
IGSW
10A
IGN
18 DA
B–W(LHD)
B–W(RHD)
B–W
B–W (LHD)
B–W (RHD)
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
C A --C A (LHD)
A C (RHD)
C B (LHD)
E D --E D (RHD)
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
MPX1
SP1
EG+A
EG–A
EG+B
EG–B
LU+A
LU–A
LU+B
LU–B
+B
20 A
17 B
6 C
5 C
4 C
3 C
15 D
14 D
13 D
12 D
1 A
V–W
G
Y–G
R–L
G–B
B
G
Y
L
J10(A), J20(C)
Junction Connector
H A (LHD)
H C (RHD)
H A (LHD)
H C (RHD)
S3
S1
S4
S2
B2
B1
E 3
EGR Valve Control Motor
D 1
Diesel Throttle Control Motor
8 IK1
* 1 : Except Automatic A/C
* 2 : Automatic A/C
I 3
B–W
L–W
(w/ VSC)

http://vnx.su

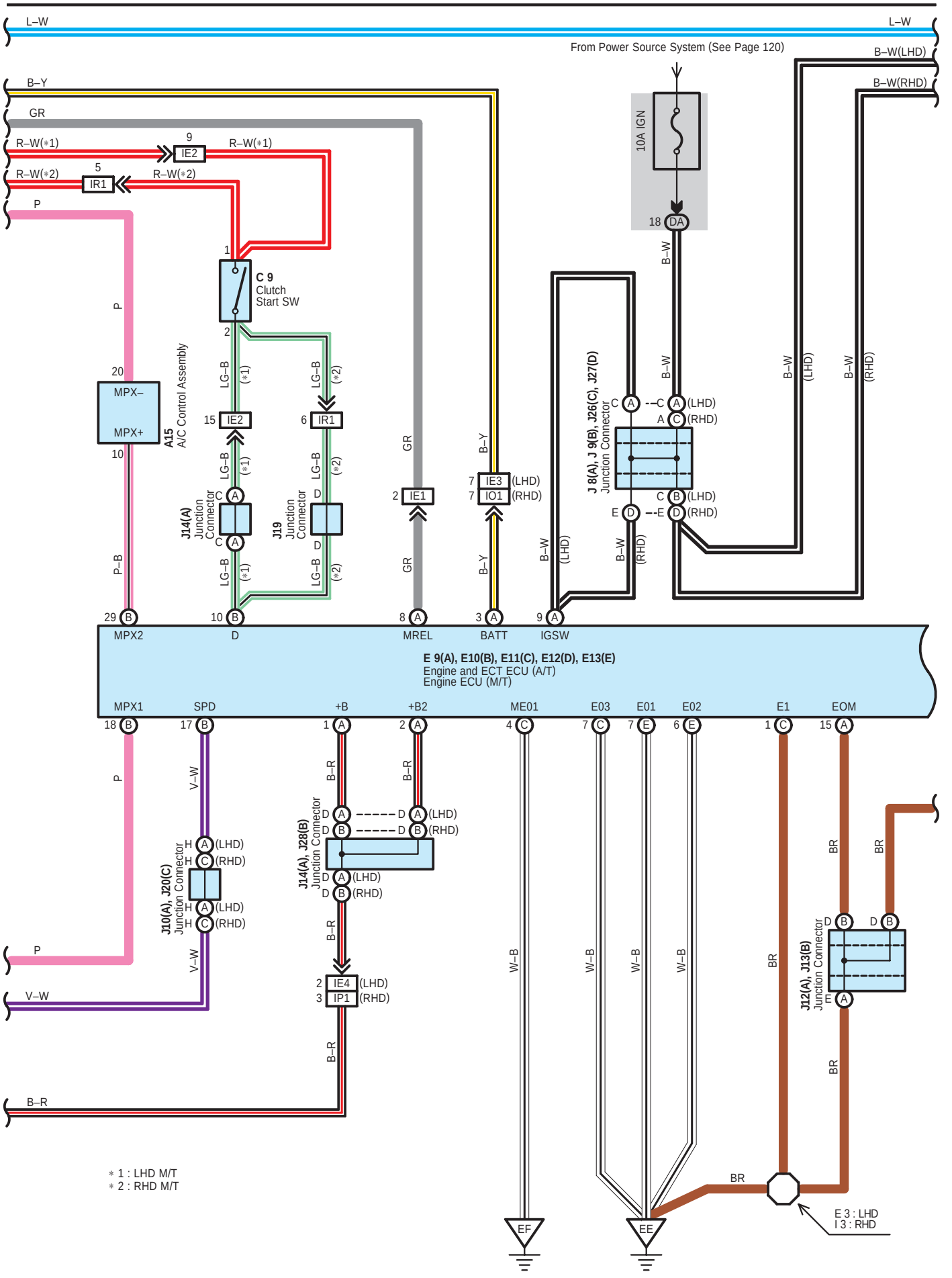

From Power Source System (See Page 120)
15A
STOP
22 DA
B–W(LHD)
B–W(RHD)
G–W (LHD)
G–W (RHD)
B–W (RHD)
B–W (LHD)
R–W (RHD)
R–W (LHD)
4 IR1
14 IE2
3 IR1
20 IE1
2 IR1
11 IE3
6 IE3
1 IR1
2 DA
10 DC
S13
Stop Light SW
12 B
ST1–
19 B
STP
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
E2
VC
VCS
E2S
PCR1
PCR2
ENG+
ENG–
NEO
TRC+
TRC–
BR
R–W
P
P–B
Y
B
Y–B
G
L
(w/ VSC)
4 EB1
6 EB1
1 EB1
3 EB1
5 EB1
2 EB1
7 IE8 15 IE2
14 IE8 14 IE2
5 IE8 13 IE1
6 IE8 13 IE2
13 IE8 3 IE2 (LHD) (RHD)
F16
Fuel Pressure Sensor
SP1
35
S 1
Skid Control ECU with Actuator
L–W
(w/ VSC)

http://vnx.su

From Power Source System (See Page 120)

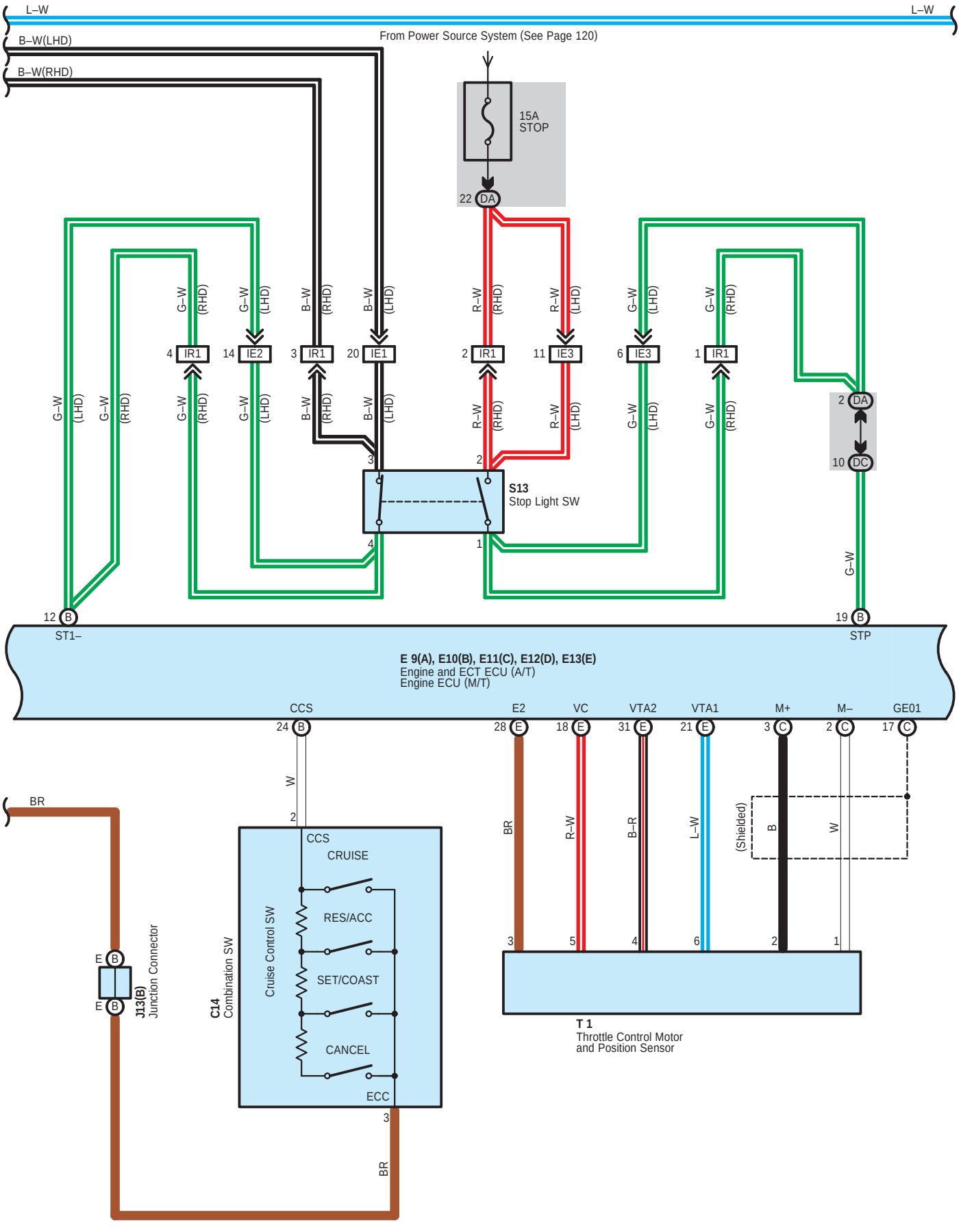


http://vnx.su

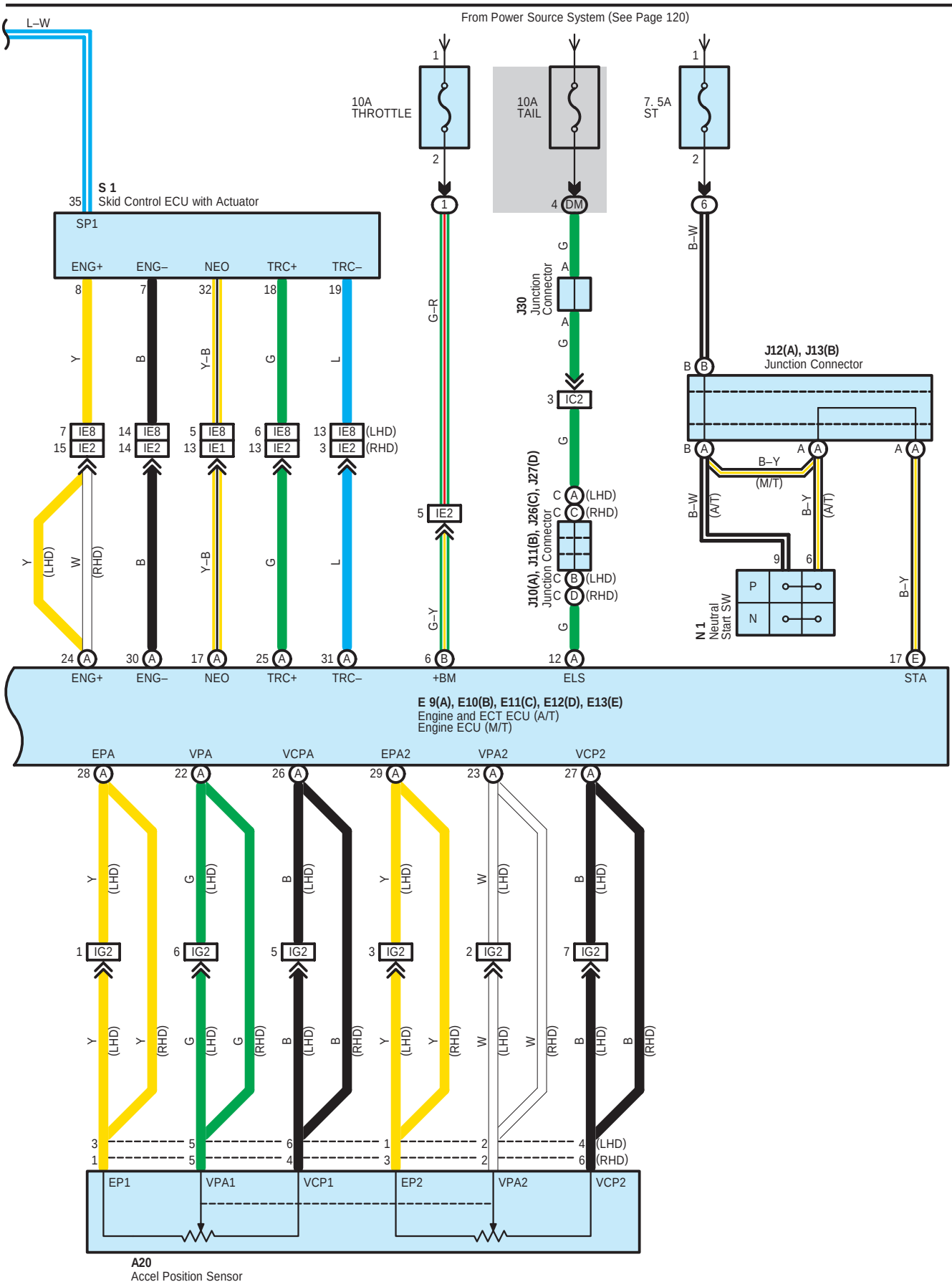

L–W
L–W
From Power Source System (See Page 120)
B–W(LHD)
B–W(RHD)
B–Y
GR
R–W(∗1)
R–W(∗2)
P
9
IE2
5
IR1
10A IGN
18 DA
B–W
1
C 9
Clutch
Start SW
2
20
MPX–
MPX+
10
A15
A/C Control Assembly
LG–B
(∗1)
(∗2)
15 IE2
6 IR1
J14(A)
Junction
Connector
J19
Junction
Connector
P–B
GR
B–Y
2 IE1
7 IE3 (LHD)
7 IO1 (RHD)
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
C A --C A (LHD)
A C (RHD)
C B (LHD)
E D --E D (RHD)
B–W (LHD)
B–W (RHD)
29 B MPX2
10 B D
8 A MREL
3 A BATT
9 A IGSW
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
MPX1
SPD
+B
+B2
ME01
E03
E01
E02
E1
EOM
18 B
17 B
1 A
2 A
4 C
7 C
7 E
6 E
1 C
15 A
V–W
B–R
W–B
BR
J10(A), J20(C)
Junction Connector
H A (LHD)
H C (RHD)
H A (LHD)
H C (RHD)
J14(A), J28(B)
Junction Connector
D A ----- D A (LHD)
D B ----- D B (RHD)
D A (LHD)
D B (RHD)
2 IE4 (LHD)
3 IP1 (RHD)
J12(A), J13(B)
Junction Connector
D B D B
E A
EF
EE
E 3 : LHD
I 3 : RHD
∗ 1 : LHD M/T
∗ 2 : RHD M/T

http://vnx.su

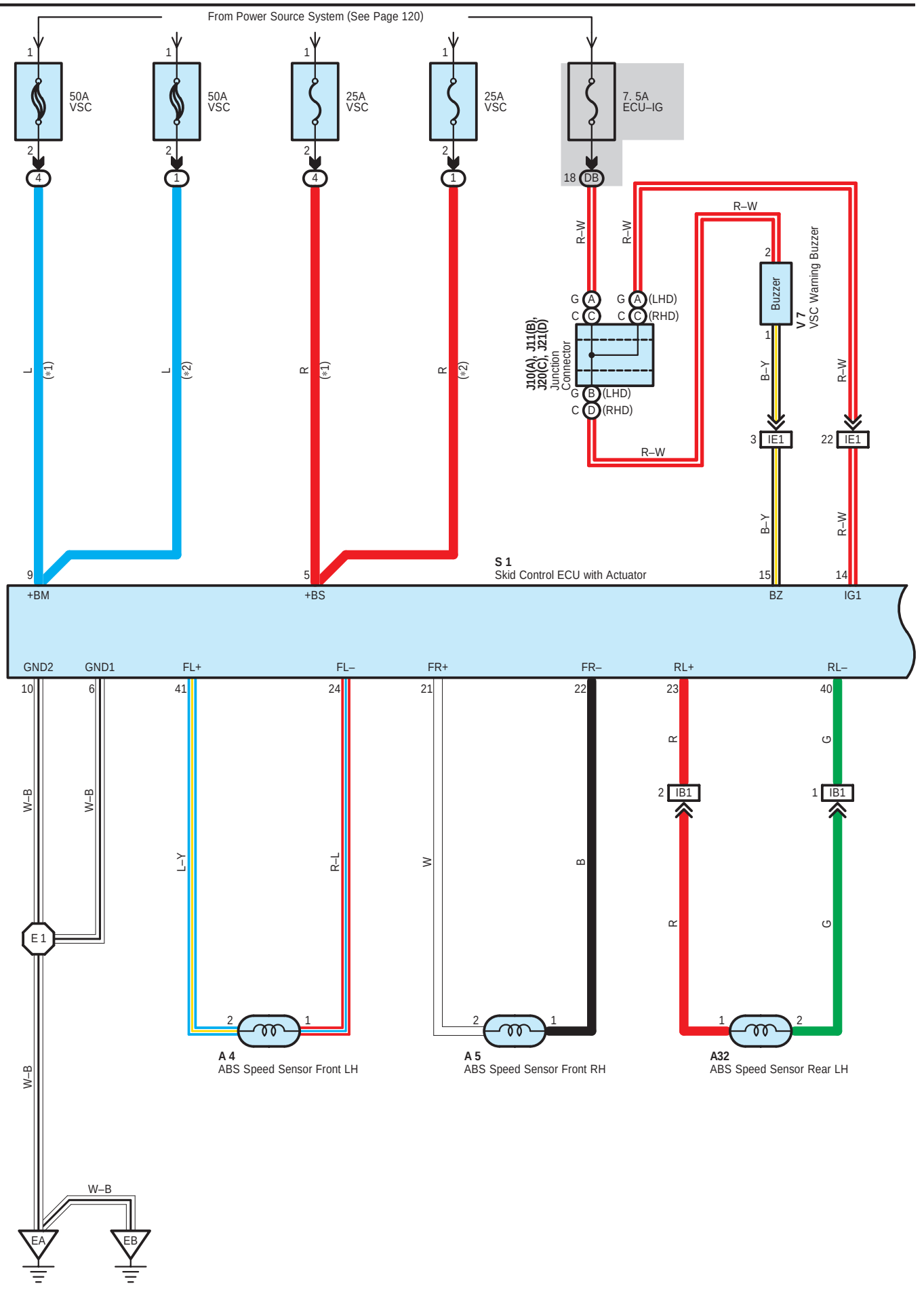
Cruise Control (1AZ–FSE)



http://vnx.su


From Power Source System (See Page 120)
L–W
10A THROTTLE
10A TAIL
7. 5A ST
S 1
35
Skid Control ECU with Actuator
SP1
ENG+
ENG–
NEO
TRC+
TRC–
J30 Junction Connector
J12(A), J13(B) Junction Connector
J10(A), J11(B), J26(C), J27(D) Junction Connector
(LHD)
(RHD)
B–Y
(M/T)
B–W
(A/T)
B–Y
(A/T)
N 1
Neutral Start SW
P
N
G–R
G–Y
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
ENG+
ENG–
NEO
TRC+
TRC–
+BM
ELS
STA
EPA
VPA
VCPA
EPA2
VPA2
VCP2
EP1
VPA1
VCP1
EP2
VPA2
VCP2
A20
Accel Position Sensor

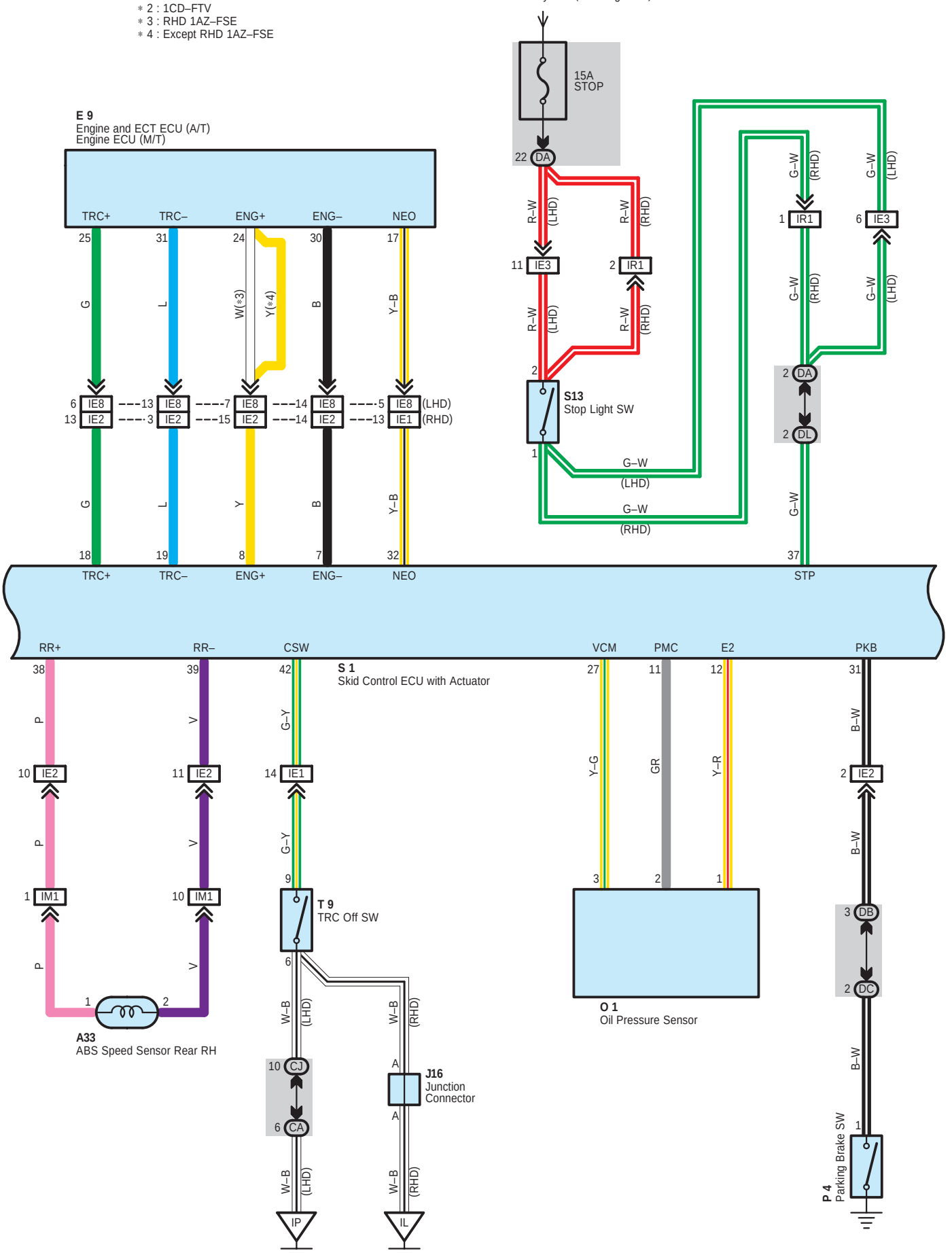
http://vnx.su


From Power Source System (See Page 120)
50A VSC
50A VSC
25A VSC
25A VSC
7. 5A ECU–IG
J10(A), J11(B), J20(C), J21(D) Junction Connector
(LHD)
(RHD)
Buzzer
V 7
VSC Warning Buzzer
S 1
Skid Control ECU with Actuator
+BM
+BS
BZ
IG1
GND2
GND1
FL+
FL–
FR+
FR–
RL+
RL–
E 1
EA
EB
A 4
ABS Speed Sensor Front LH
A 5
ABS Speed Sensor Front RH
A32
ABS Speed Sensor Rear LH

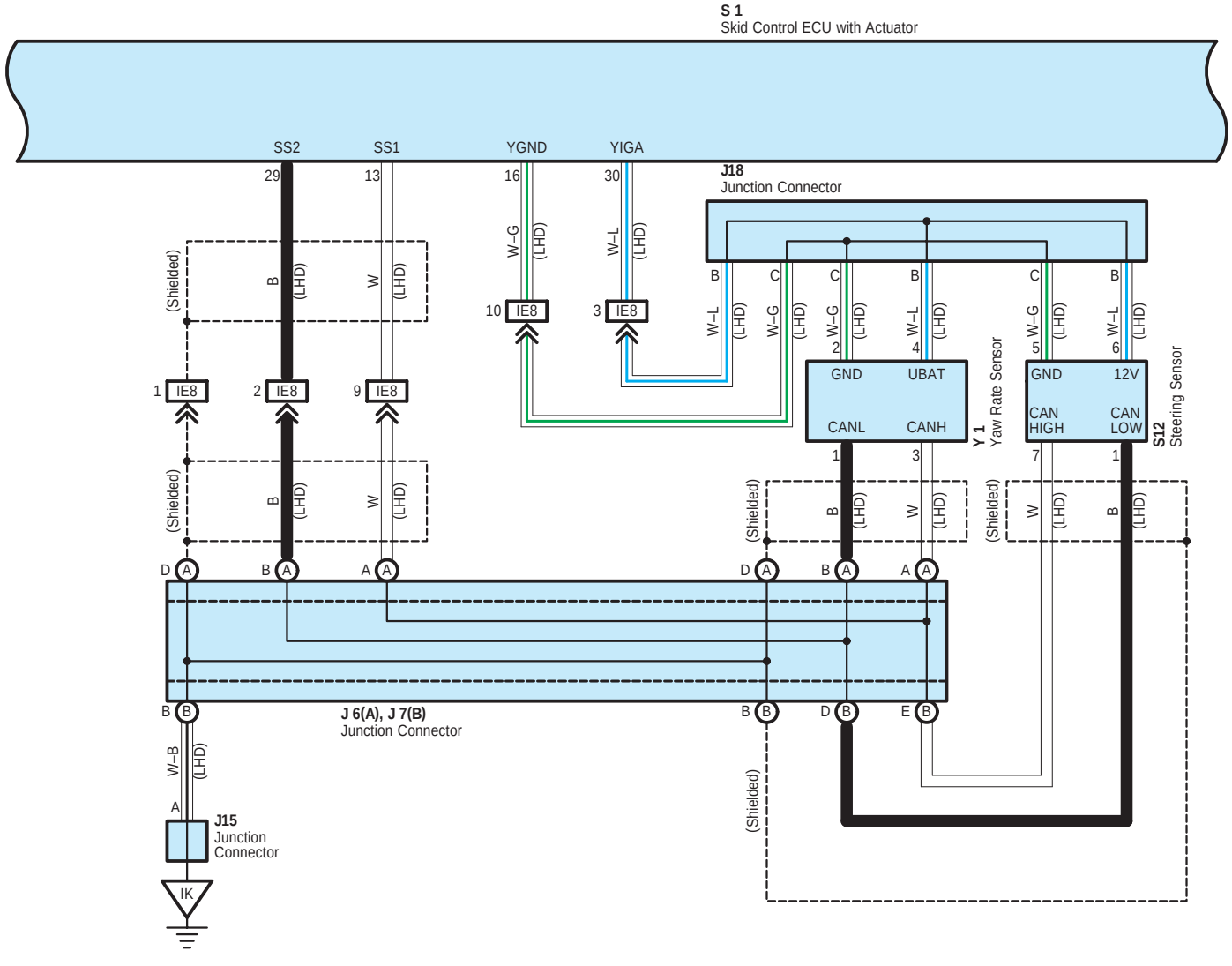
http://vnx.su

∗ 1 : 1AZ–FSE
∗ 2 : 1CD–FTV
∗ 3 : RHD 1AZ–FSE
∗ 4 : Except RHD 1AZ–FSE

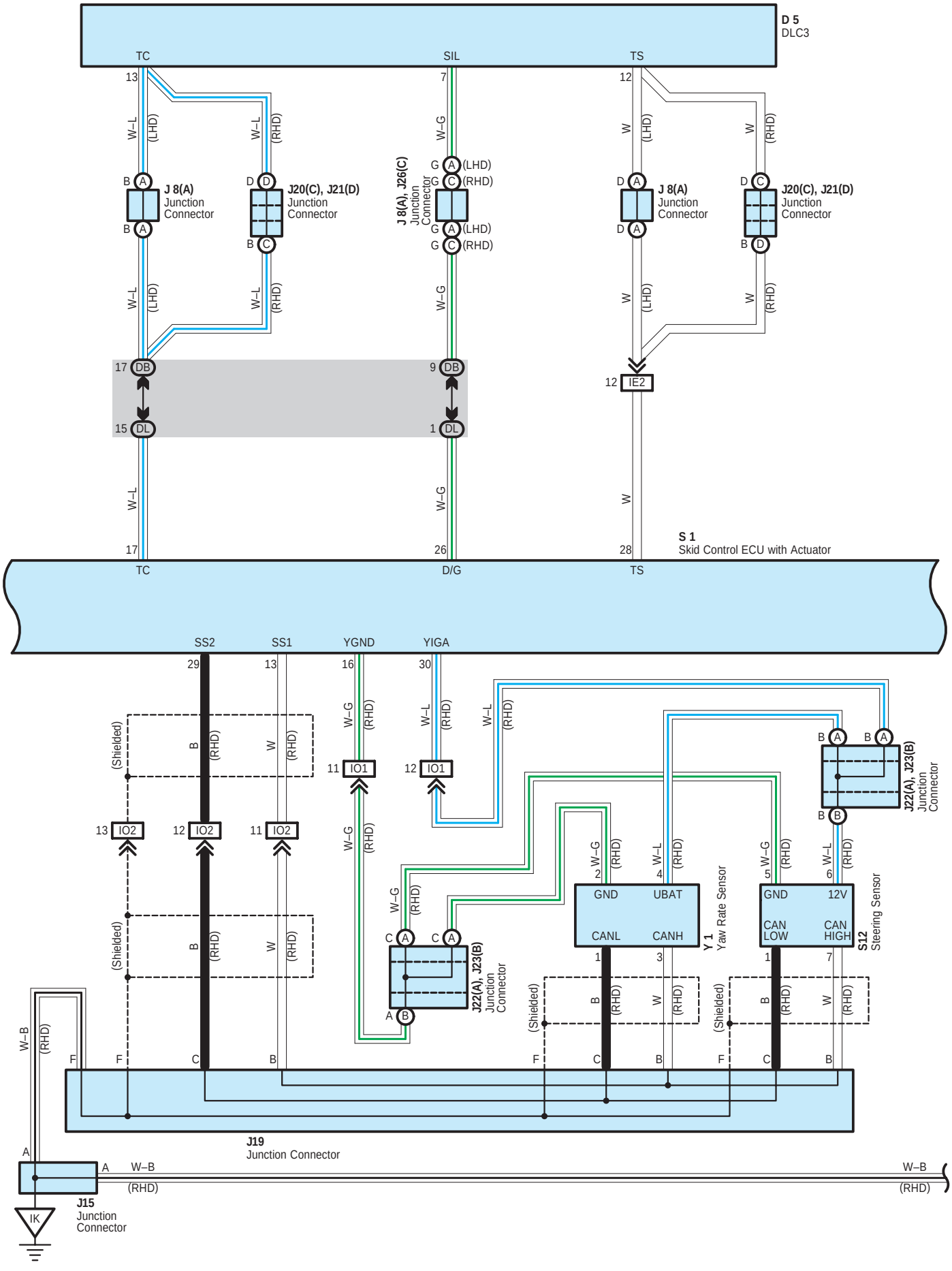
From Power Source System (See Page 120)



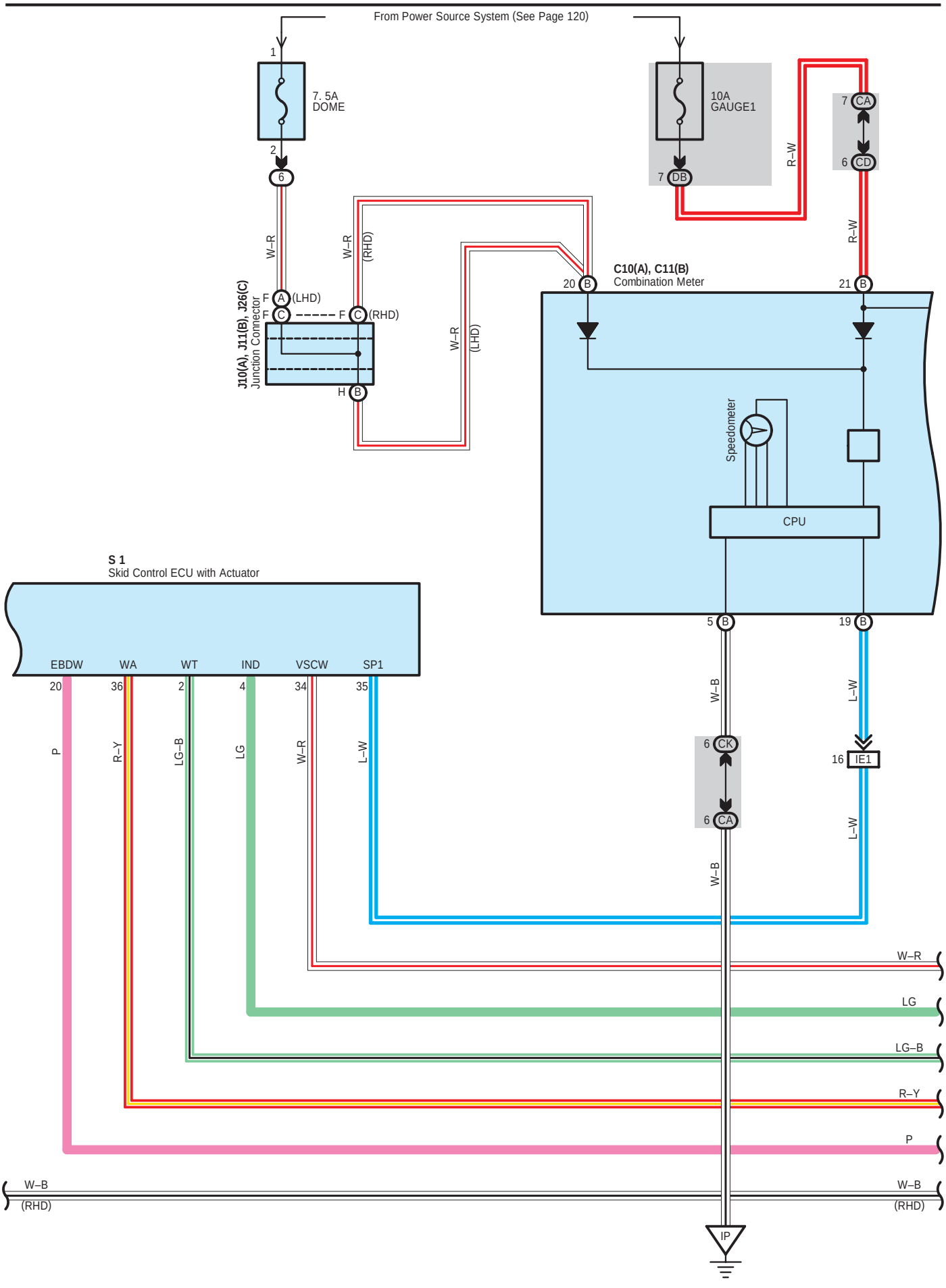
http://vnx.su


S 1
Skid Control ECU with Actuator
SS2
SS1
YGND
YIGA
29
13
16
30
J18
Junction Connector
W–G
W–L
(LHD)
10
3
IE8
B
C
2
4
5
6
GND
UBAT
CANL
CANH
12V
CAN HIGH
CAN LOW
Y 1
Yaw Rate Sensor
S12
Steering Sensor
(Shielded)
1
2
9
7
D
A
J 6(A), J 7(B)
Junction Connector
W–B
J15
Junction Connector
IK

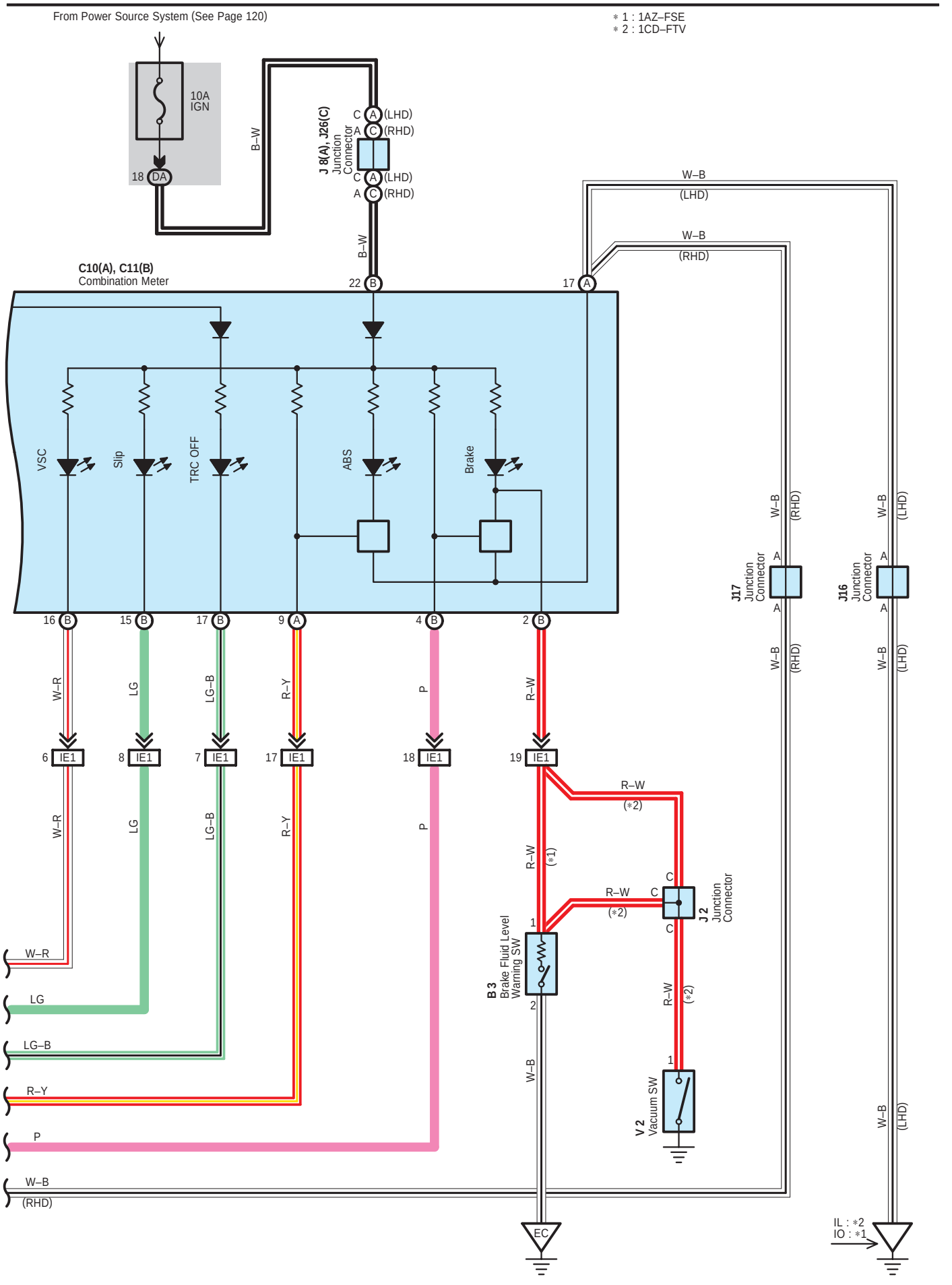
http://vnx.su


D 5
DLC3
TC
SIL
TS
13
7
12
W–L (LHD)
W–L (RHD)
W–G
W
J 8(A)
Junction Connector
J20(C), J21(D)
Junction Connector
J 8(A), J26(C)
Junction Connector
17 DB
15 DL
9 DB
1 DL
12 IE2
17
26
28
S 1
Skid Control ECU with Actuator
TC
D/G
TS
SS2
SS1
YGND
YIGA
29
13
16
30
(Shielded)
B (RHD)
W (RHD)
11 IO1
12 IO1
13 IO2
12 IO2
11 IO2
J22(A), J23(B)
Junction Connector
GND
UBAT
CANL
CANH
Y 1
Yaw Rate Sensor
GND
12V
CAN LOW
CAN HIGH
S12
Steering Sensor
J19
Junction Connector
W–B (RHD)
J15
Junction Connector
IK

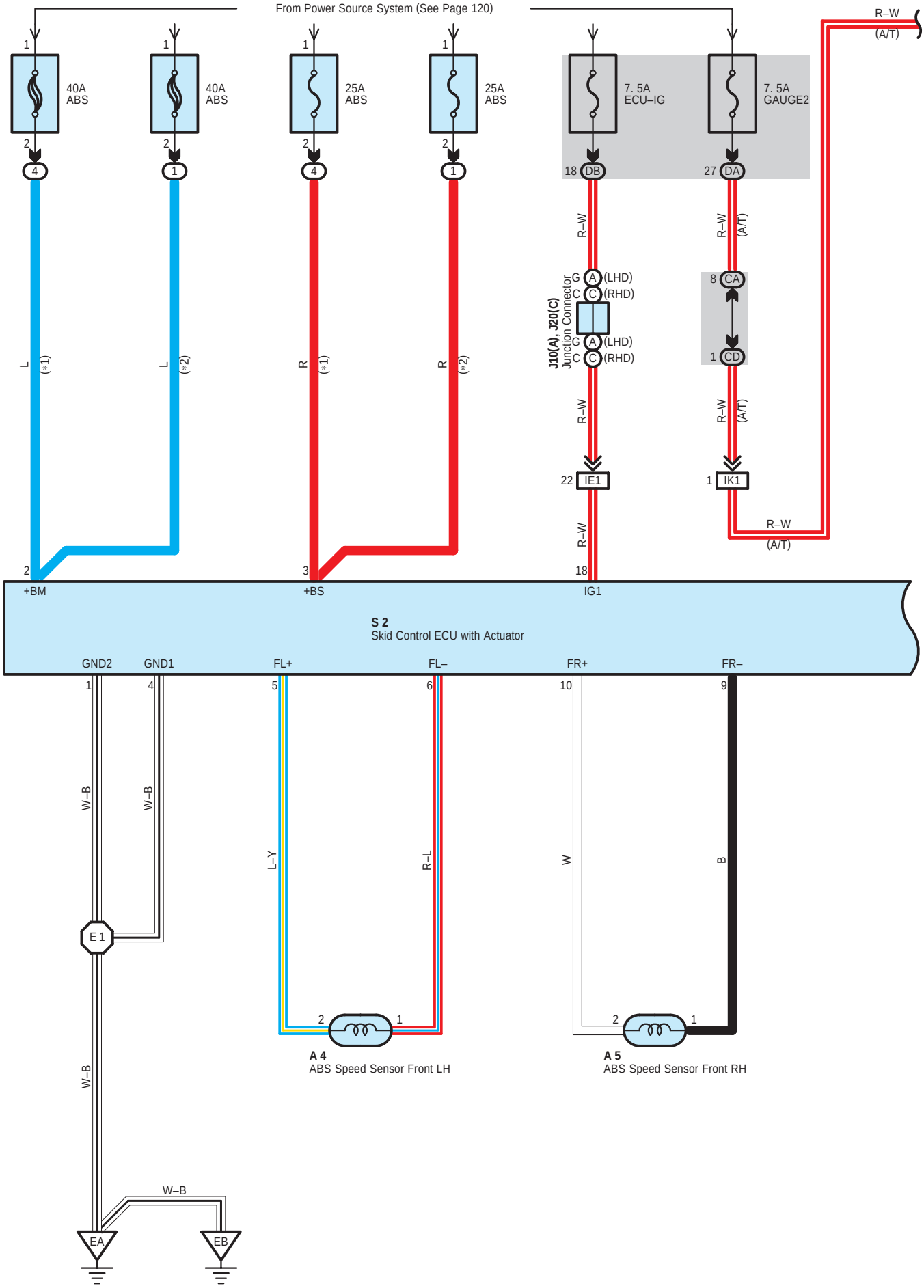
http://vnx.su


From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
W–R
W–R
(RHD)
W–R
(LHD)
J10(A), J11(B), J26(C)
Junction Connector
F A (LHD)
F C
F C (RHD)
H B
10A
GAUGE1
7 DB
R–W
7 CA
6 CD
R–W
C10(A), C11(B)
Combination Meter
20 B
21 B
Speedometer
CPU
S 1
Skid Control ECU with Actuator
EBDW
WA
WT
IND
VSCW
SP1
20
36
2
4
34
35
P
R–Y
LG–B
LG
W–R
L–W
5 B
19 B
W–B
L–W
6 CK
16 IE1
6 CA
L–W
W–B
W–R
LG
LG–B
R–Y
P
W–B
(RHD)
W–B
(RHD)
IP

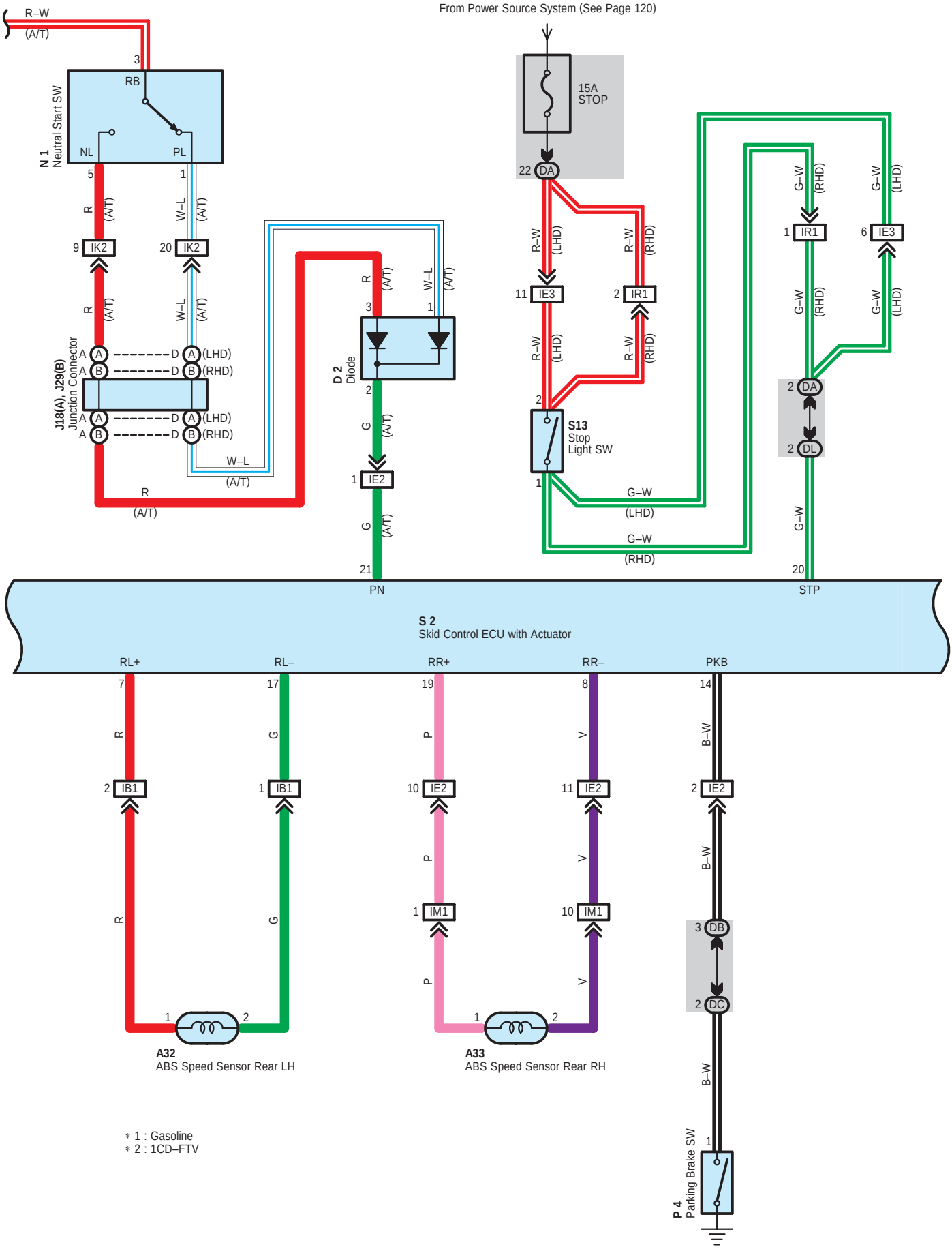
http://vnx.su


From Power Source System (See Page 120)
* 1 : 1AZ–FSE
* 2 : 1CD–FTV
10A
IGN
18 DA
B–W
J 8(A), J26(C)
Junction
Connector
C A (LHD)
A C (RHD)
C A (LHD)
A C (RHD)
B–W
22 B
C10(A), C11(B)
Combination Meter
17 A
W–B
(LHD)
W–B
(RHD)
VSC
Slip
TRC OFF
ABS
Brake
16 B
15 B
17 B
9 A
4 B
2 B
W–R
LG
LG–B
R–Y
P
R–W
6 IE1
8 IE1
7 IE1
17 IE1
18 IE1
19 IE1
R–W
(*2)
R–W
(*1)
R–W
C
J2
Junction
Connector
(*2)
B3
Brake Fluid Level
Warning SW
1
2
W–B
R–W
(*2)
1
V2
Vacuum SW
J17
Junction
Connector
A
A
W–B
(RHD)
W–B
(RHD)
J16
Junction
Connector
A
A
W–B
(LHD)
W–B
(LHD)
W–R
LG
LG–B
R–Y
P
W–B
(RHD)
W–B
(LHD)
EC
IL : *2
IO : *1

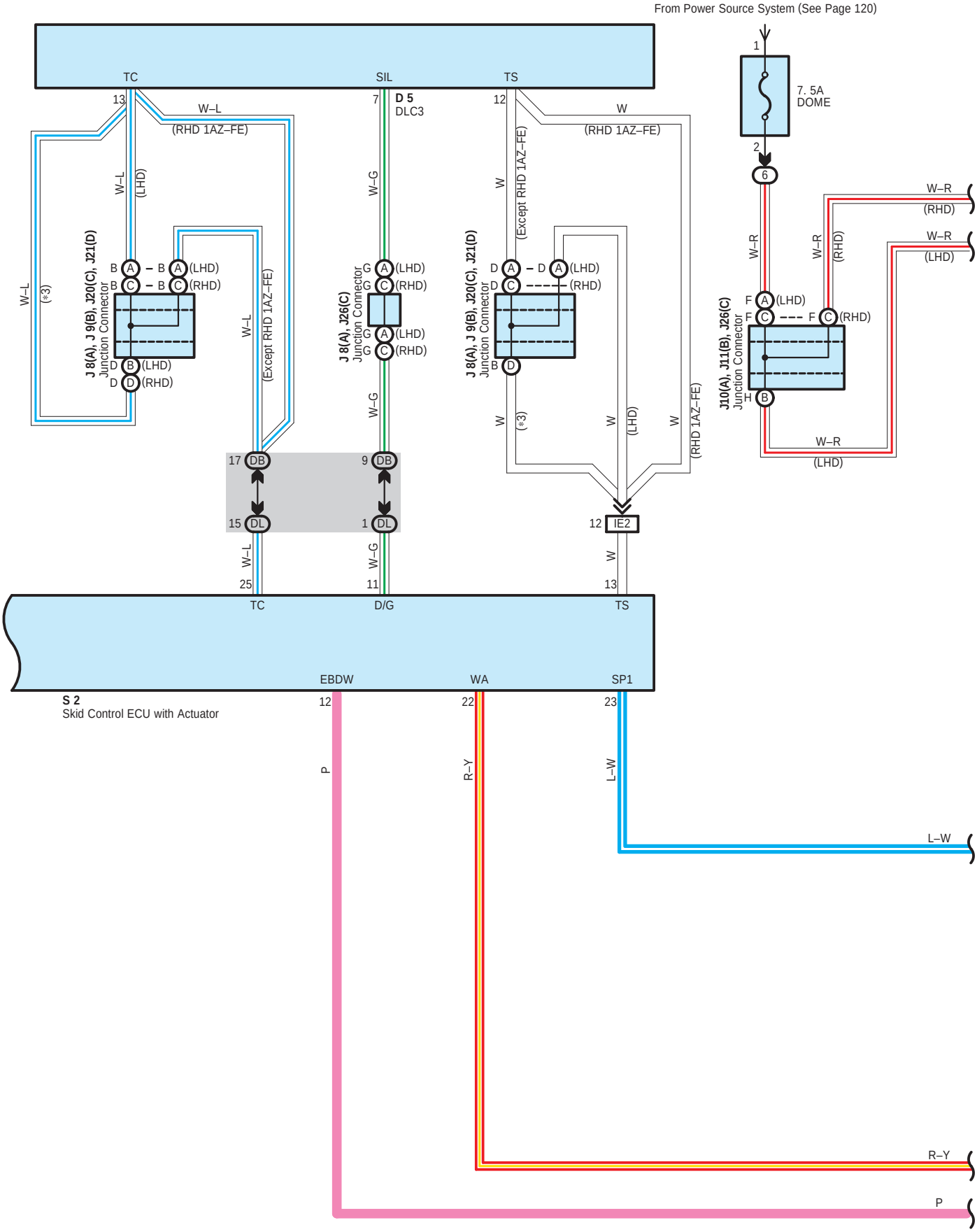
http://vnx.su


From Power Source System (See Page 120)
40A ABS
40A ABS
25A ABS
25A ABS
7. 5A ECU–IG
7. 5A GAUGE2
R–W (A/T)
J10(A), J20(C) Junction Connector
(LHD)
(RHD)
+BM
+BS
IG1
S 2
Skid Control ECU with Actuator
GND2
GND1
FL+
FL–
FR+
FR–
E 1
A 4
ABS Speed Sensor Front LH
A 5
ABS Speed Sensor Front RH
EA
EB

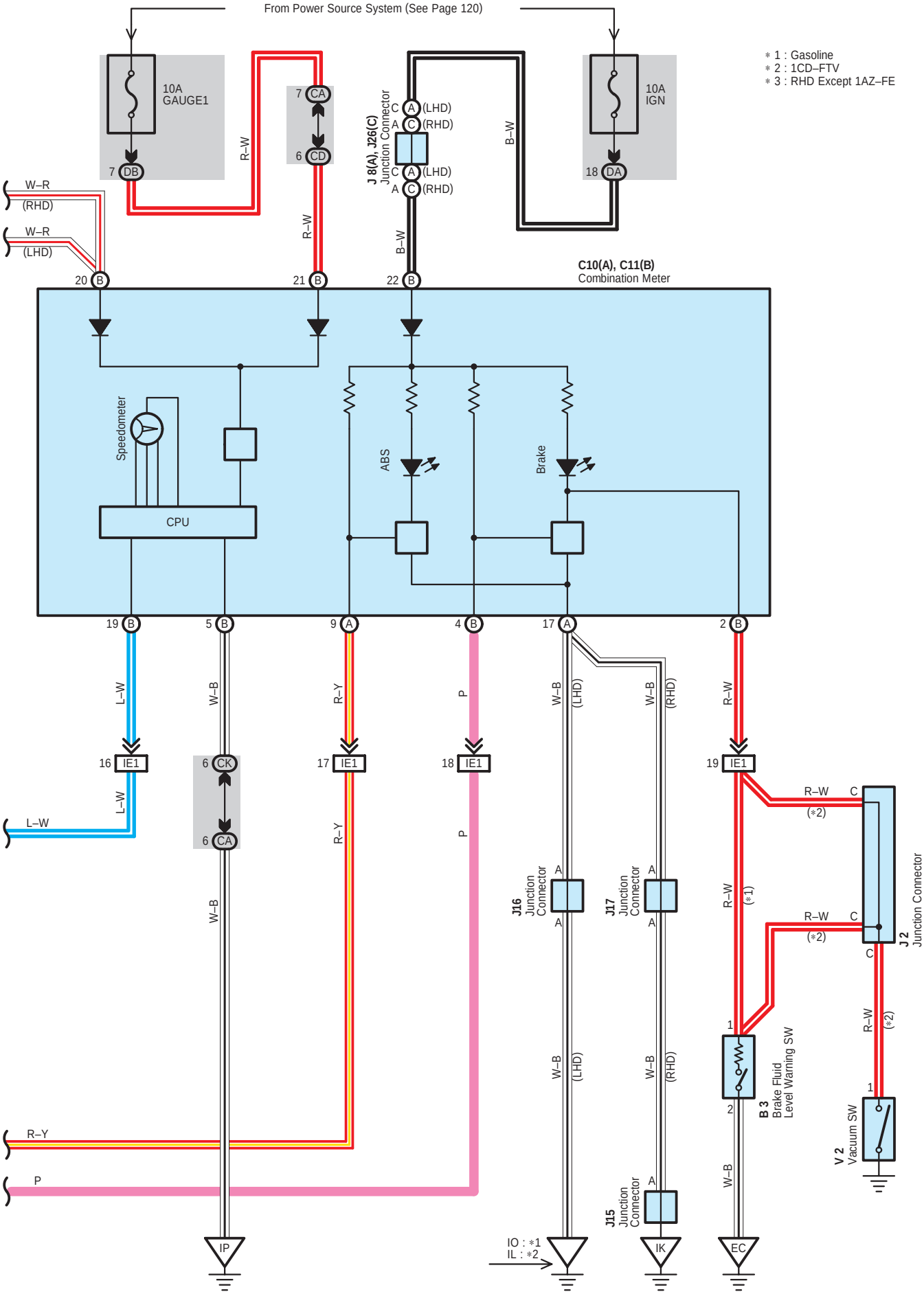
http://vnx.su


From Power Source System (See Page 120)
R–W
(A/T)
N 1
Neutral Start SW
RB
NL
PL
15A
STOP
22 DA
J18(A), J29(B)
Junction Connector
(LHD)
(RHD)
D 2
Diode
S13
Stop
Light SW
G–W
(LHD)
G–W
(RHD)
PN
STP
S 2
Skid Control ECU with Actuator
RL+
RL–
RR+
RR–
PKB
A32
ABS Speed Sensor Rear LH
A33
ABS Speed Sensor Rear RH
P 4
Parking Brake SW
* 1 : Gasoline
* 2 : 1CD–FTV

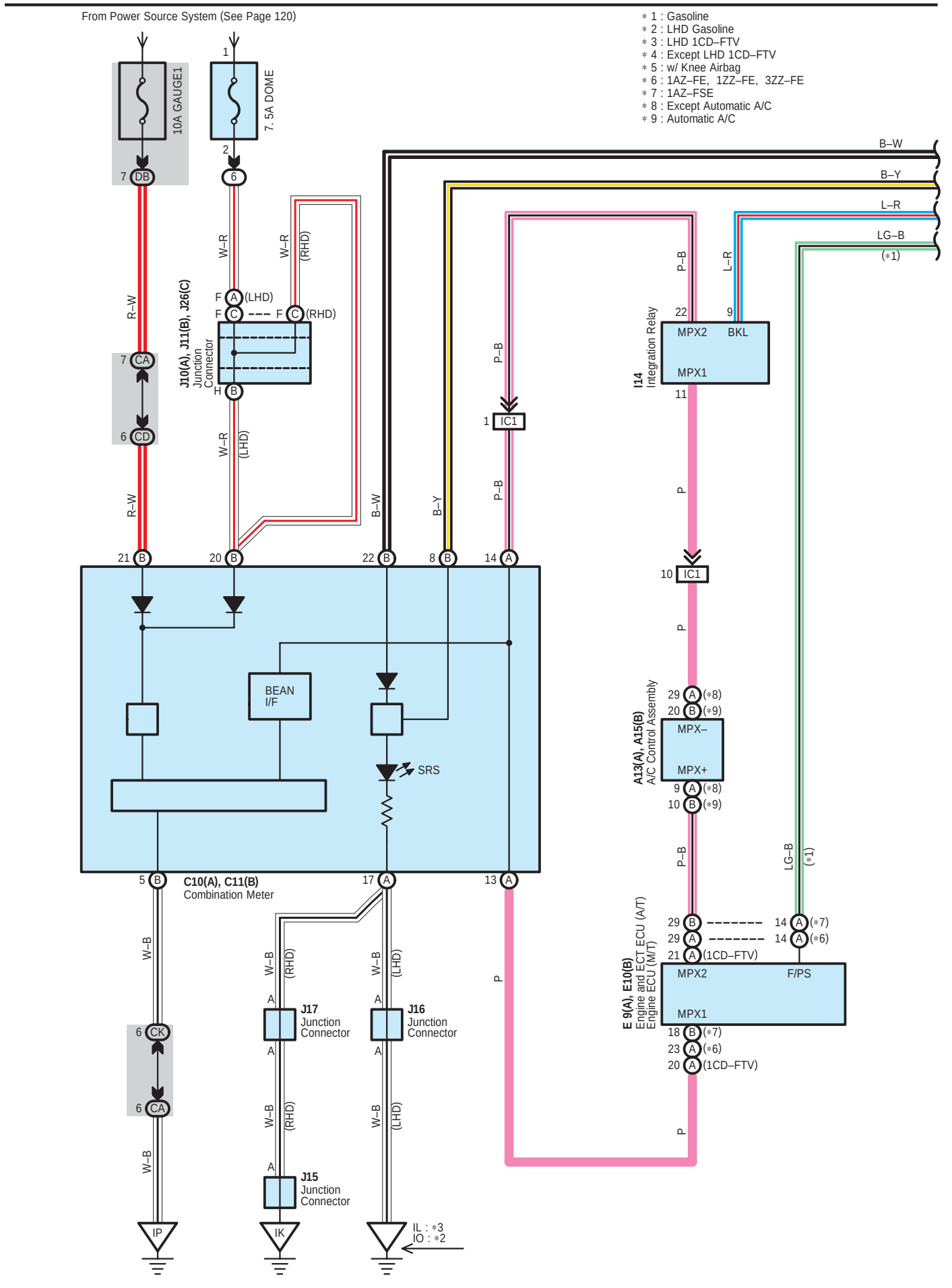
http://vnx.su


From Power Source System (See Page 120)
TC
SIL
TS
13
7
12
W–L
(RHD 1AZ–FE)
D 5
DLC3
W
(RHD 1AZ–FE)
1
7. 5A
DOME
2
6
W–L
(LHD)
W–G
W
(Except RHD 1AZ–FE)
W–R
(RHD)
W–R
(LHD)
W–L
(*3)
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
B A – B A (LHD)
B C – B C (RHD)
D B (LHD)
D D (RHD)
J 8(A), J26(C)
Junction Connector
G A (LHD)
G C (RHD)
G A (LHD)
G C (RHD)
D A – D A (LHD)
D C ----- (RHD)
B D
J10(A), J11(B), J26(C)
Junction Connector
F A (LHD)
F C --- F C (RHD)
H B
W–L
(Except RHD 1AZ–FE)
W–G
W
(*3)
W
(LHD)
W
(RHD 1AZ–FE)
17 DB
9 DB
15 DL
1 DL
12 IE2
W–L
W–G
W
25
11
13
TC
D/G
TS
EBDW
WA
SP1
S 2
Skid Control ECU with Actuator
12
22
23
P
R–Y
L–W
L–W
R–Y
P

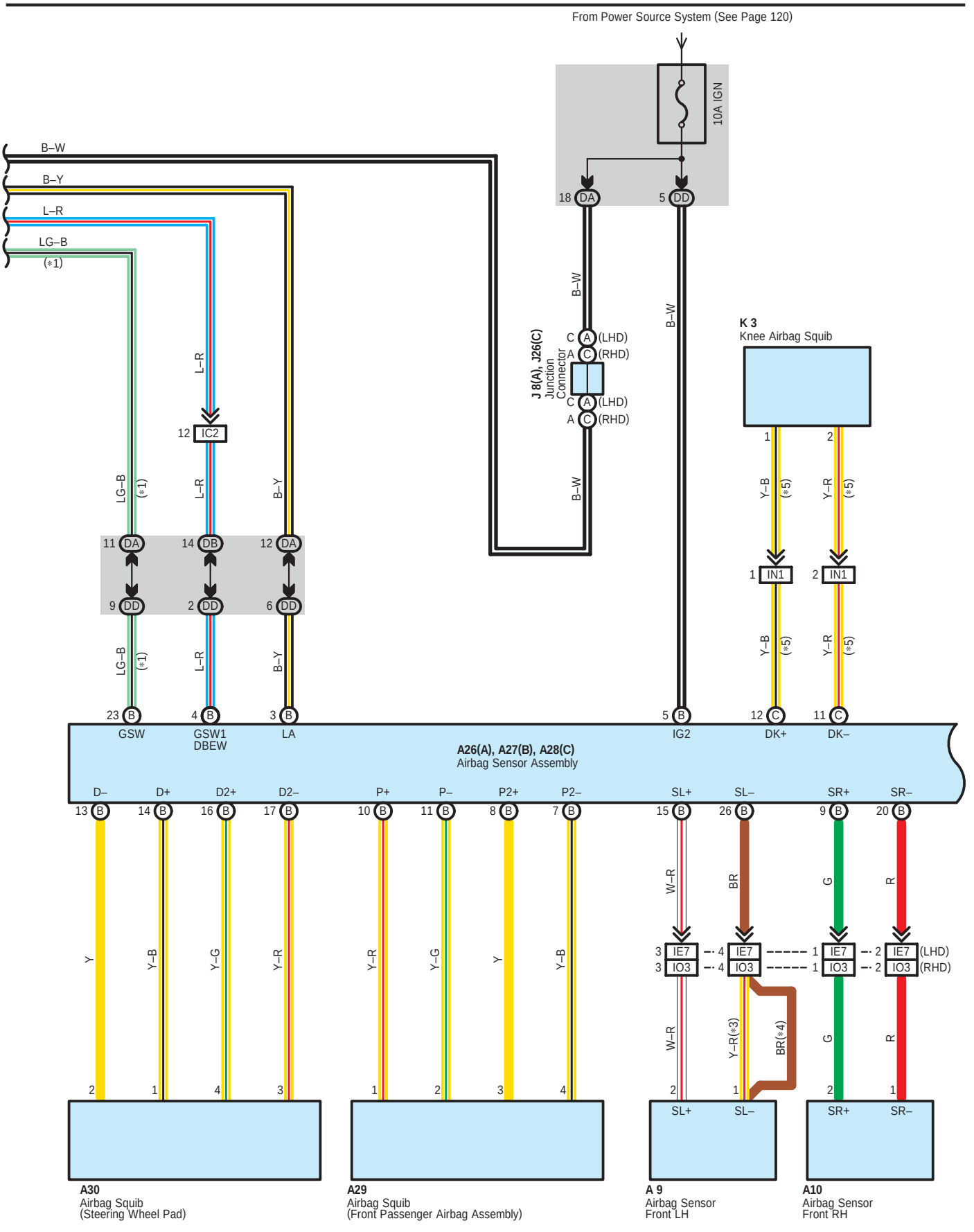
http://vnx.su


From Power Source System (See Page 120)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : RHD Except 1AZ–FE
10A GAUGE1
10A IGN
J 8(A), J26(C) Junction Connector
C10(A), C11(B) Combination Meter
Speedometer
CPU
ABS
Brake
W–R (RHD)
W–R (LHD)
R–W
B–W
L–W
W–B
R–Y
P
IE1
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
J2 Junction Connector
B 3 Brake Fluid Level Warning SW
V 2 Vacuum SW
IP
IO : *1
IL : *2
IK
EC

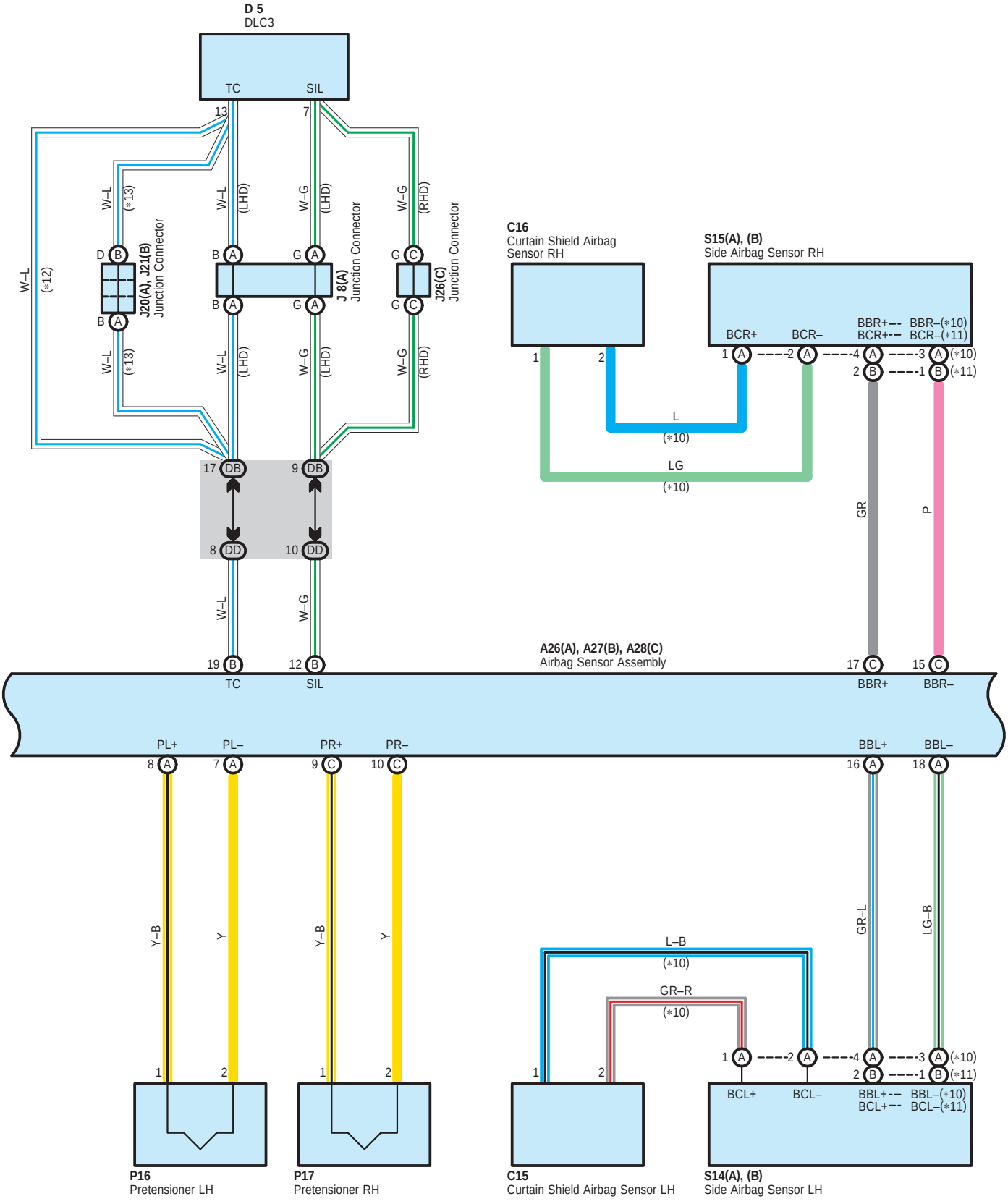
http://vnx.su


From Power Source System (See Page 120)
∗ 1 : Gasoline
∗ 2 : LHD Gasoline
∗ 3 : LHD 1CD–FTV
∗ 4 : Except LHD 1CD–FTV
∗ 5 : w/ Knee Airbag
∗ 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗ 7 : 1AZ–FSE
∗ 8 : Except Automatic A/C
∗ 9 : Automatic A/C
10A GAUGE1
7. 5A DOME
J10(A), J11(B), J26(C) Junction Connector
I14 Integration Relay
MPX2
BKL
MPX1
IC1
BEAN I/F
SRS
C10(A), C11(B) Combination Meter
A13(A), A15(B) A/C Control Assembly
MPX–
MPX+
E 9(A), E10(B) Engine and ECT ECU (A/T) Engine ECU (M/T)
F/PS
J15 Junction Connector
J16 Junction Connector
J17 Junction Connector
IP
IK
IL : ∗3
IO : ∗2
B–W
B–Y
L–R
LG–B
P–B
W–R
R–W
W–B
P
(LHD)
(RHD)
(∗1)

http://vnx.su

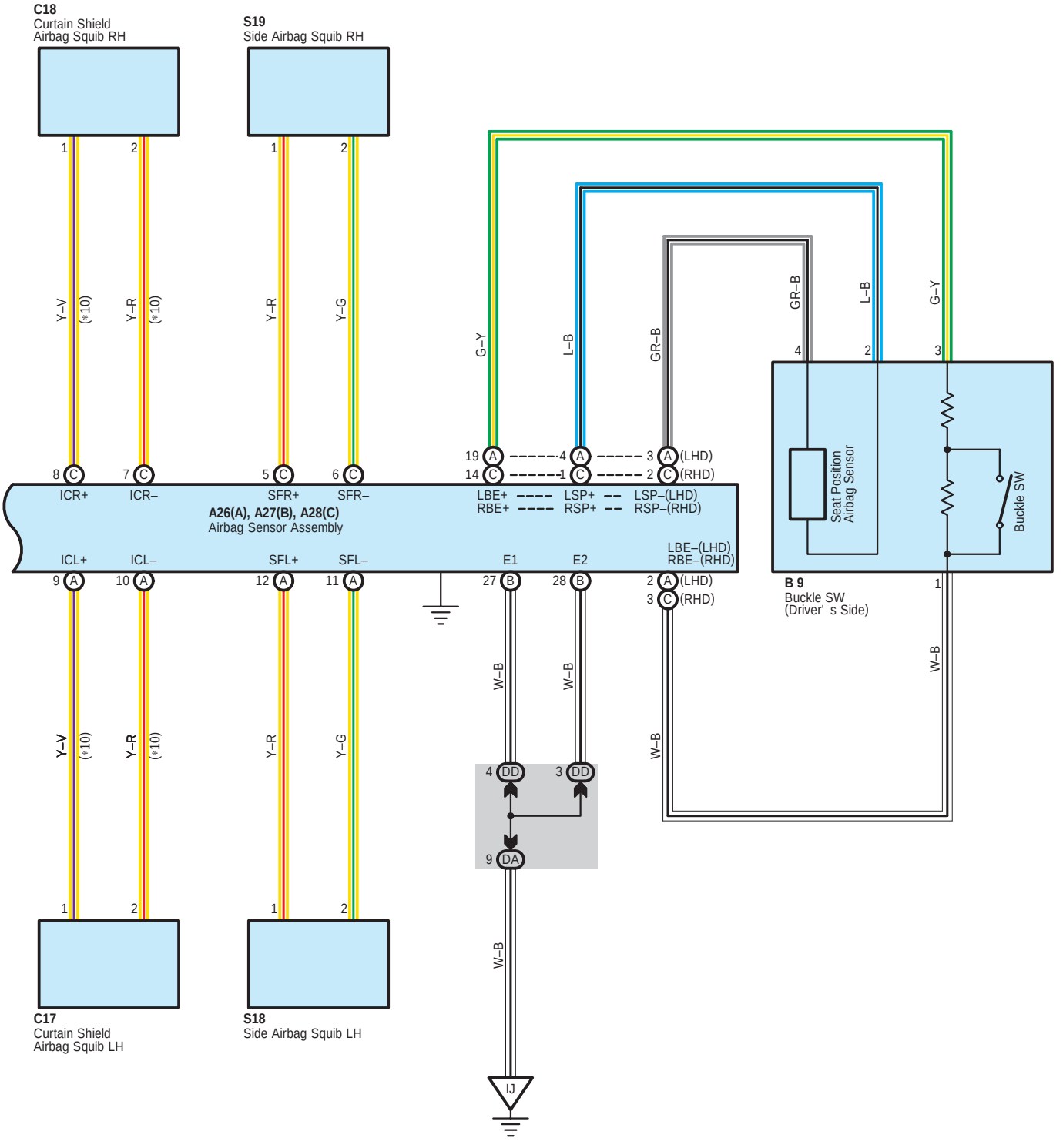

From Power Source System (See Page 120)
10A IGN
18 DA
5 DD
B–W
B–Y
L–R
LG–B
(*1)
J 8(A), J26(C)
Junction Connector
C A (LHD)
A C (RHD)
K 3
Knee Airbag Squib
12 IC2
11 DA
14 DB
12 DA
9 DD
2 DD
6 DD
23 B
4 B
3 B
5 B
1 IN1
2 IN1
12 C
11 C
Y–B
Y–R
(*5)
GSW
GSW1
DBEW
LA
IG2
DK+
DK–
A26(A), A27(B), A28(C)
Airbag Sensor Assembly
D–
D+
D2+
D2–
P+
P–
P2+
P2–
SL+
SL–
SR+
SR–
13 B
14 B
16 B
17 B
10 B
11 B
8 B
7 B
15 B
26 B
9 B
20 B
Y
Y–B
Y–G
Y–R
W–R
BR
G
R
3 IE7
3 IO3
4 IE7
4 IO3
1 IE7
1 IO3
2 IE7
2 IO3
(LHD)
(RHD)
Y–R(*3)
BR(*4)
A30
Airbag Squib
(Steering Wheel Pad)
A29
Airbag Squib
(Front Passenger Airbag Assembly)
A 9
Airbag Sensor
Front LH
A10
Airbag Sensor
Front RH

http://vnx.su

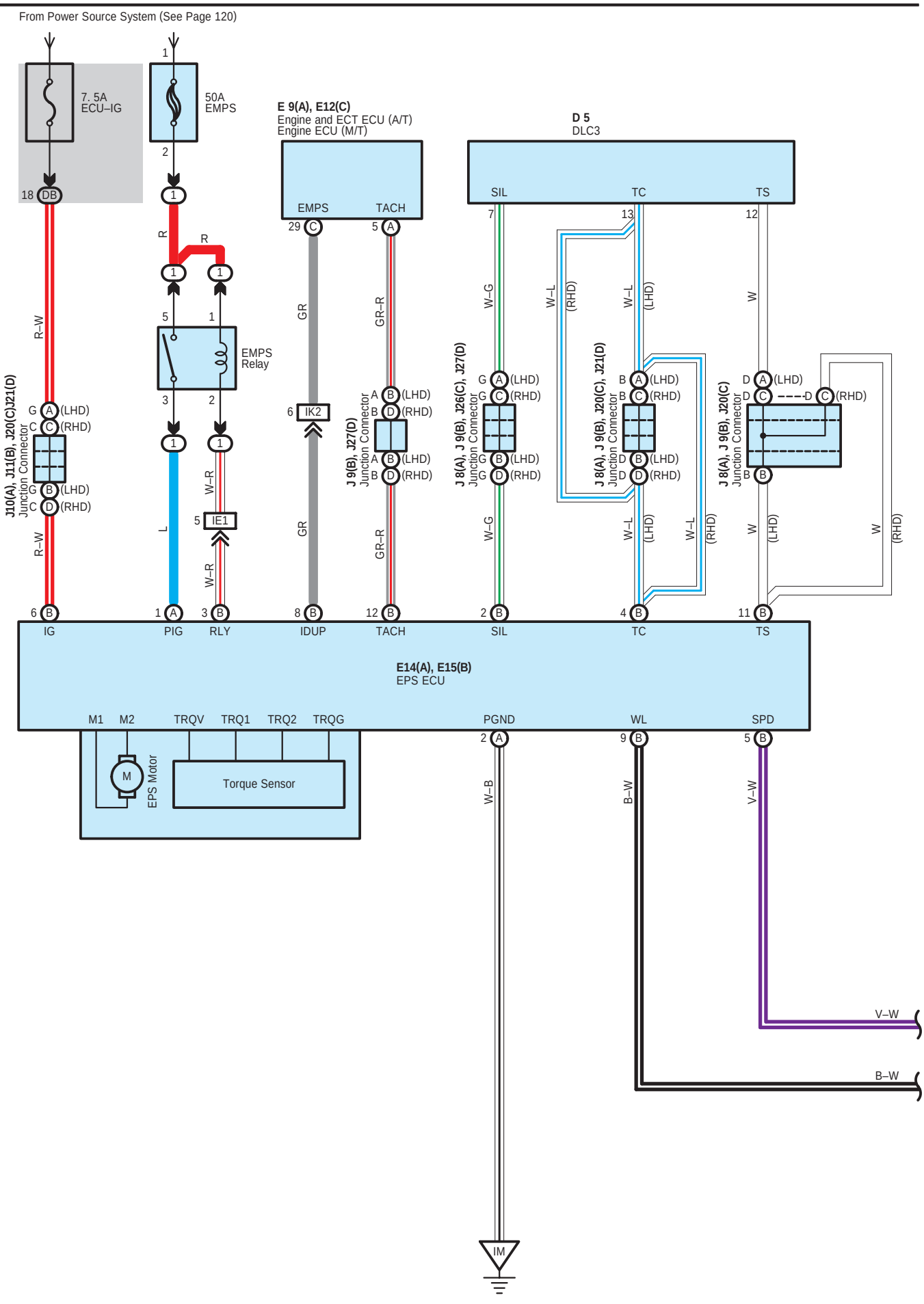

D 5
DLC3
TC
SIL
13
7
W–L
(*13)
W–L
(LHD)
W–G
(LHD)
W–G
(RHD)
W–L
(*12)
D B
B A
G A
G C
J20(A), J21(B)
Junction Connector
J 8(A)
Junction Connector
J26(C)
Junction Connector
17 DB
9 DB
8 DD
10 DD
19 B
TC
12 B
SIL
C16
Curtain Shield Airbag
Sensor RH
S15(A), (B)
Side Airbag Sensor RH
BCR+
BCR–
BBR+
BBR–(*10)
BCR+
BCR–(*11)
L
(*10)
LG
(*10)
GR
P
A26(A), A27(B), A28(C)
Airbag Sensor Assembly
17 C
BBR+
15 C
BBR–
PL+
PL–
PR+
PR–
BBL+
BBL–
Y–B
Y
Y–B
Y
L–B
(*10)
GR–R
(*10)
GR–L
LG–B
BCL+
BCL–
BBL+
BBL–(*10)
BCL+
BCL–(*11)
P16
Pretensioner LH
P17
Pretensioner RH
C15
Curtain Shield Airbag Sensor LH
S14(A), (B)
Side Airbag Sensor LH

http://vnx.su

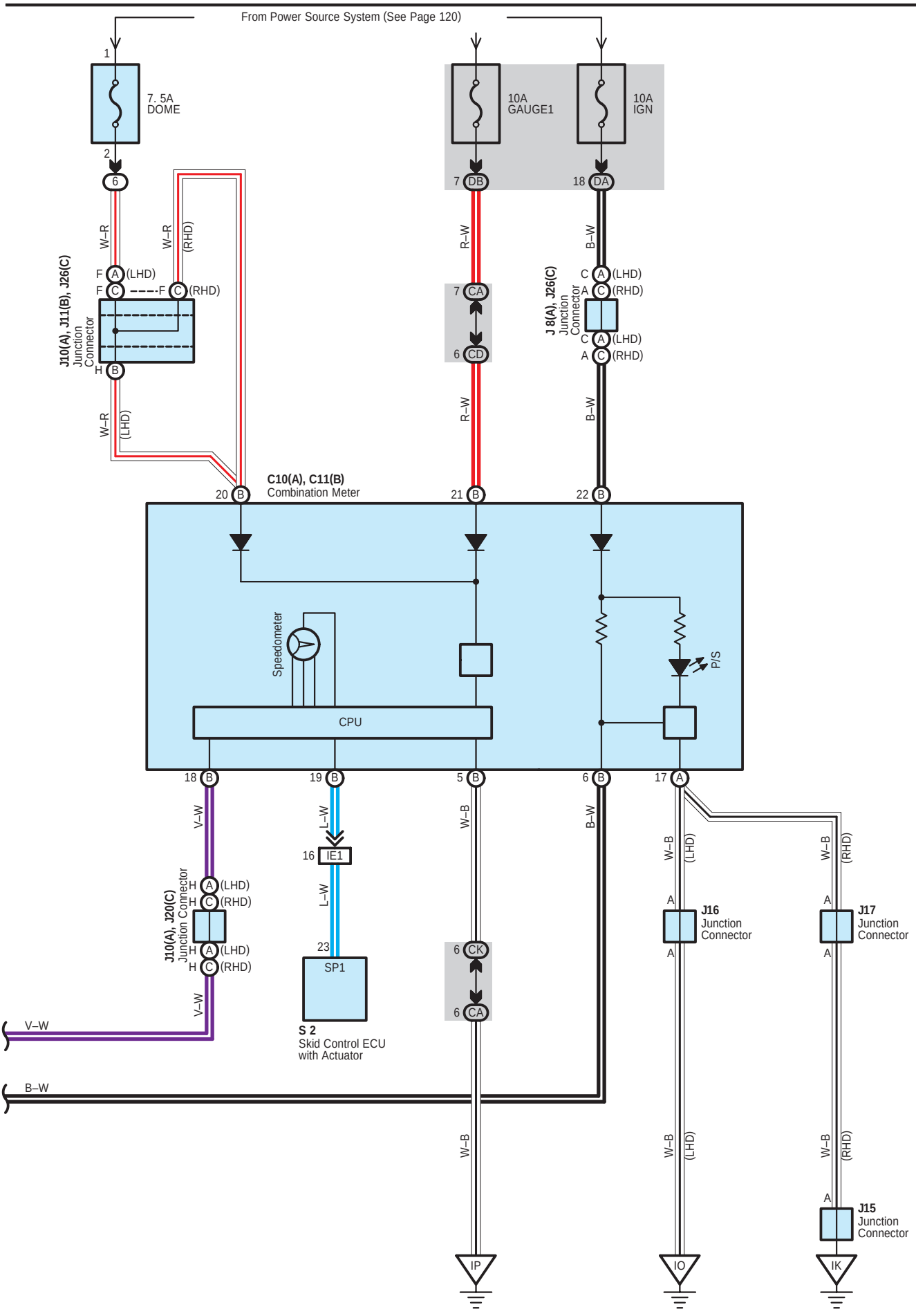
∗10 : w/ Curtain Shield Airbag
∗11 : w/o Curtain Shield Airbag
∗12 : RHD 1AZ–FE
∗13 : RHD Except 1AZ–FE



http://vnx.su

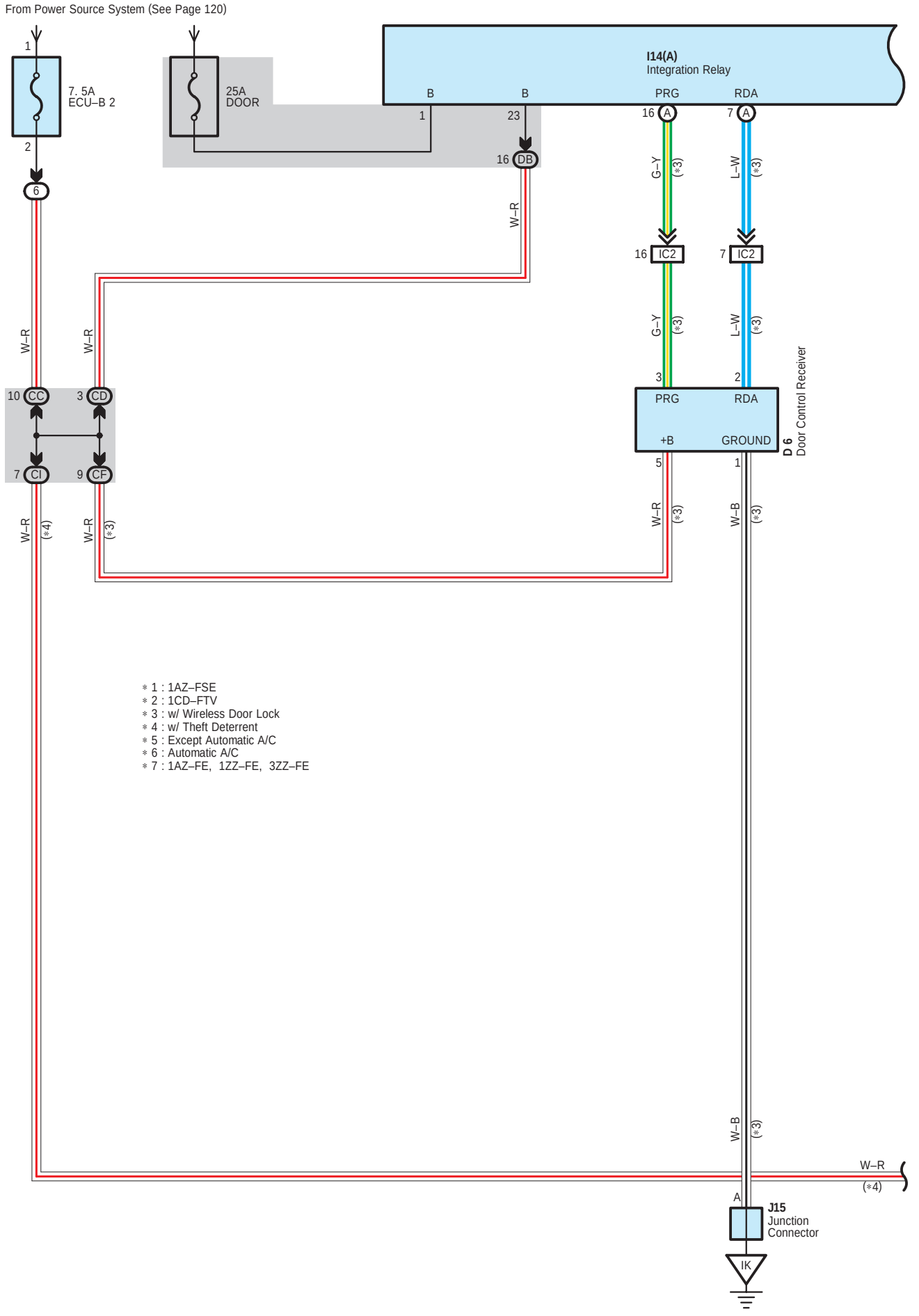

From Power Source System (See Page 120)
7. 5A
ECU–IG
50A
EMPS
E 9(A), E12(C)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
D 5
DLC3
EMPS
TACH
SIL
TC
TS
EMPS Relay
IK2
IE1
J10(A), J11(B), J20(C)J21(D)
Junction Connector
J 9(B), J27(D)
Junction Connector
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
J 8(A), J 9(B), J20(C)
Junction Connector
(LHD)
(RHD)
IG
PIG
RLY
IDUP
TACH
SIL
TC
TS
E14(A), E15(B)
EPS ECU
M1
M2
TRQV
TRQ1
TRQ2
TRQG
PGND
WL
SPD
EPS Motor
Torque Sensor
IM
R–W
R
L
W–R
GR
GR–R
W–G
W–L
W
B–W
V–W

http://vnx.su

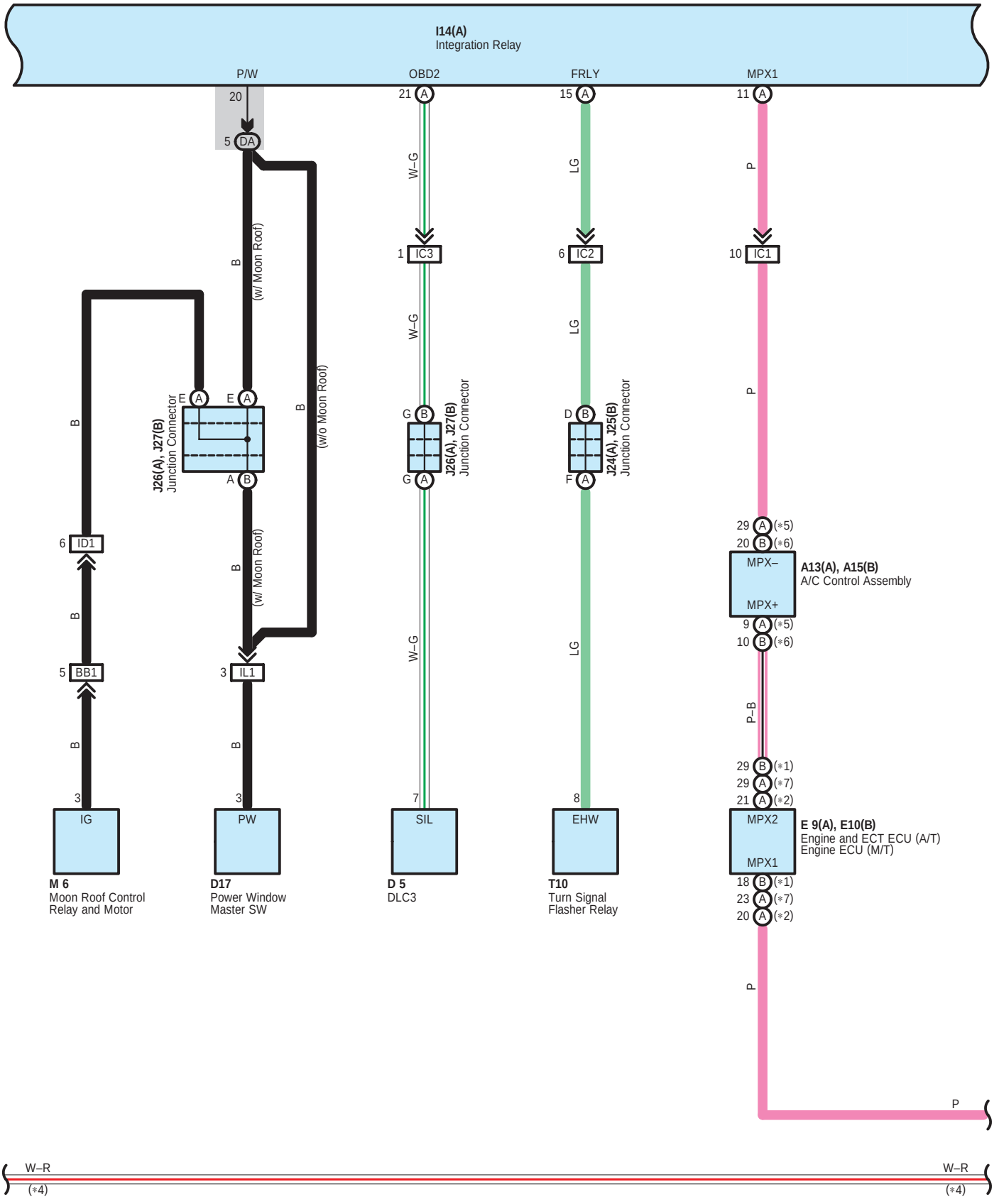

From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
W–R
W–R
(RHD)
F A (LHD)
F C (RHD)
J10(A), J11(B), J26(C)
Junction
Connector
H B
W–R
(LHD)
10A
GAUGE1
10A
IGN
7 DB
18 DA
R–W
B–W
7 CA
6 CD
C A (LHD)
A C (RHD)
J 8(A), J26(C)
Junction
Connector
C A (LHD)
A C (RHD)
C10(A), C11(B)
Combination Meter
20 B
21 B
22 B
Speedometer
CPU
P/S
18 B
19 B
5 B
6 B
17 A
V–W
L–W
W–B
B–W
16 IE1
23
SP1
S 2
Skid Control ECU
with Actuator
J10(A), J20(C)
Junction Connector
H A (LHD)
H C (RHD)
6 CK
6 CA
J16
Junction
Connector
J17
Junction
Connector
J15
Junction
Connector
IP
IO
IK

http://vnx.su

Door Lock Control (RHD) and Theft Deterrent

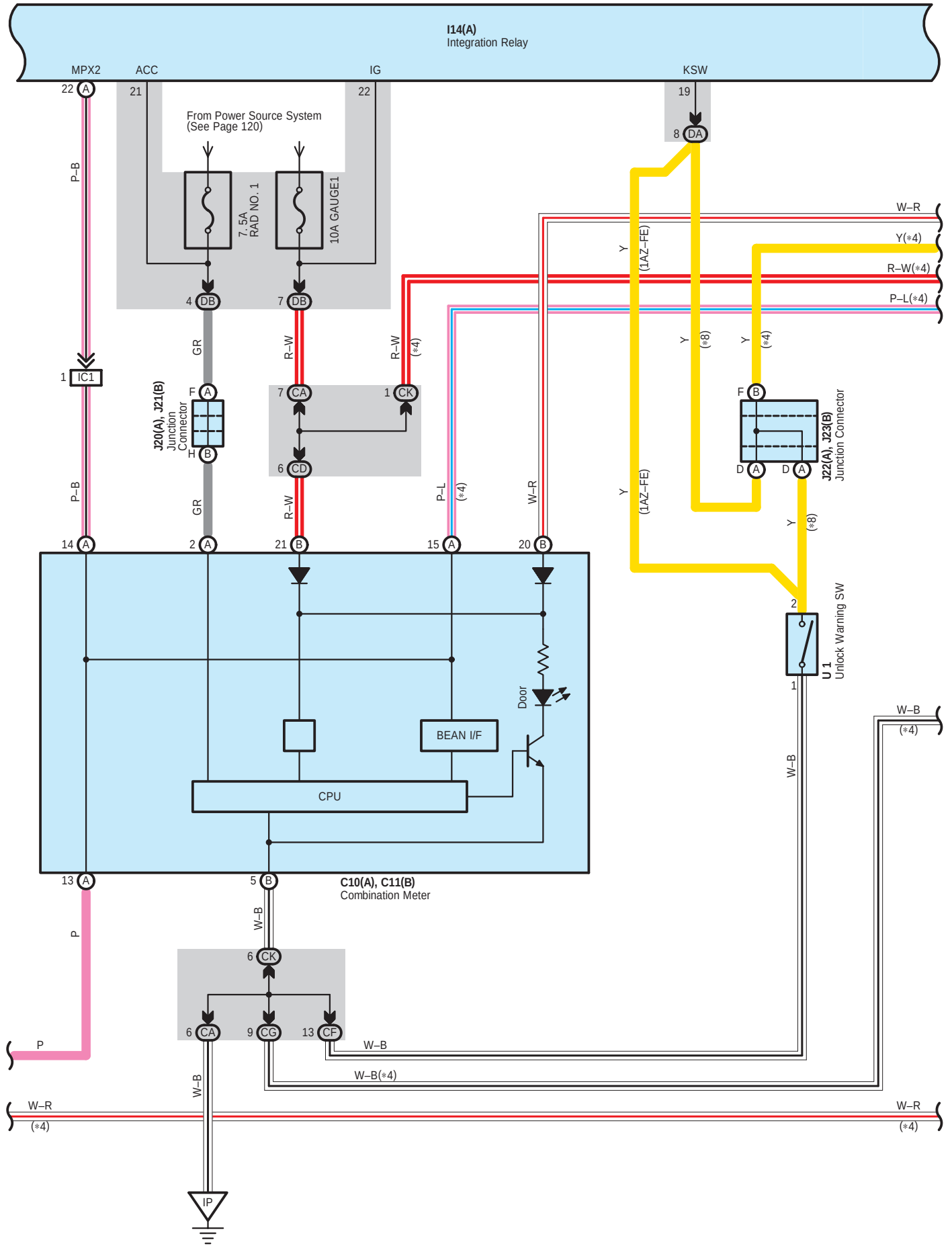


http://vnx.su


I14(A)
Integration Relay
P/W
OBD2
FRLY
MPX1
20
5 DA
21 A
15 A
11 A
W–G
LG
P
B
(w/ Moon Roof)
1 IC3
6 IC2
10 IC1
W–G
LG
P
B
(w/o Moon Roof)
J26(A), J27(B)
Junction Connector
E A
A B
G B
G A
J26(A), J27(B)
Junction Connector
D B
F A
J24(A), J25(B)
Junction Connector
6 ID1
B
B
(w/ Moon Roof)
W–G
LG
29 A (*5)
20 B (*6)
MPX–
MPX+
A13(A), A15(B)
A/C Control Assembly
9 A (*5)
10 B (*6)
5 BB1
3 IL1
B
B
P–B
29 B (*1)
29 A (*7)
21 A (*2)
MPX2
MPX1
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
18 B (*1)
23 A (*7)
20 A (*2)
3
3
7
8
IG
PW
SIL
EHW
P
M 6
Moon Roof Control
Relay and Motor
D17
Power Window
Master SW
D 5
DLC3
T10
Turn Signal
Flasher Relay
W–R
(*4)
W–R
(*4)

http://vnx.su

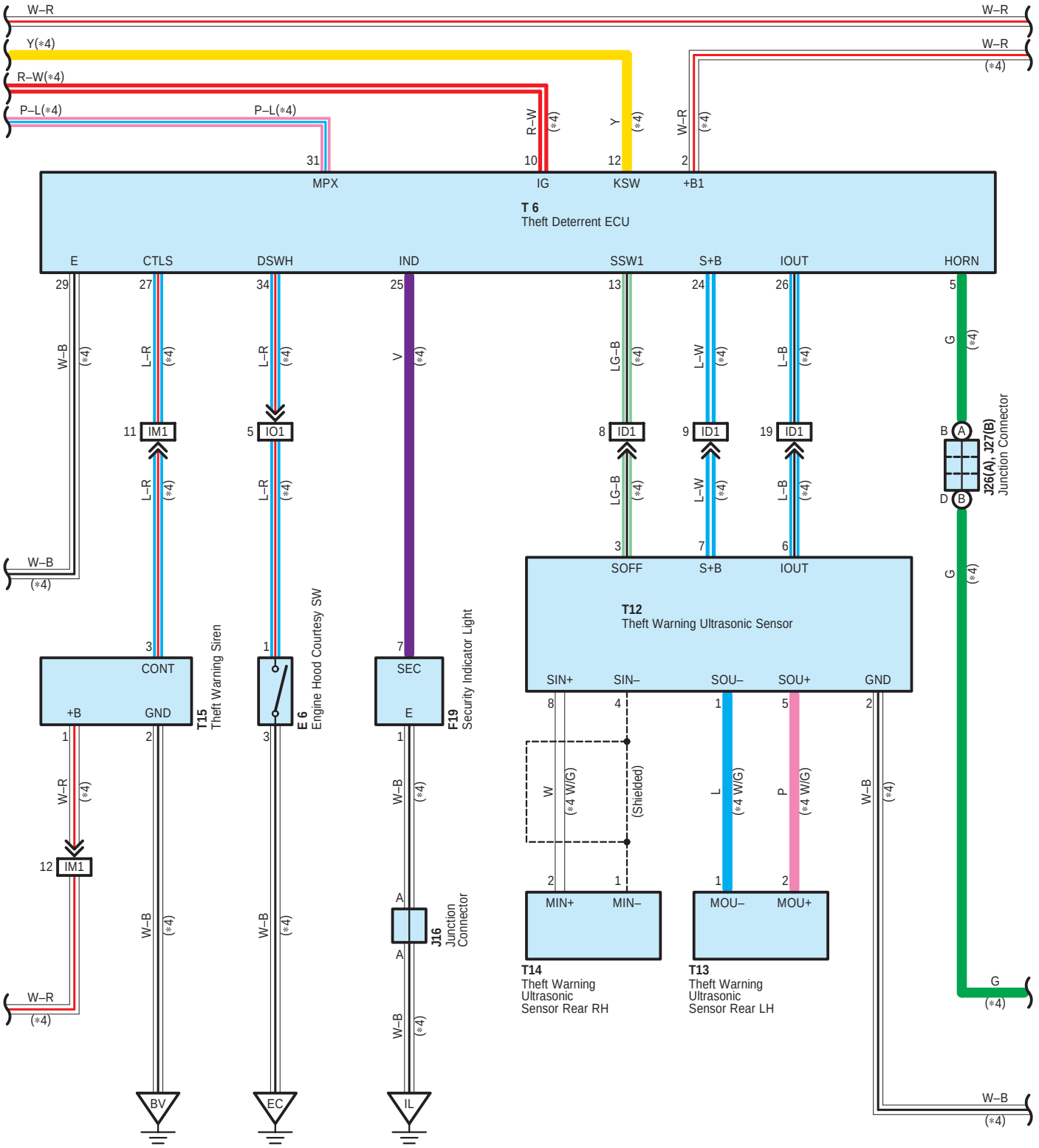
Door Lock Control (RHD) and Theft Deterrent



http://vnx.su

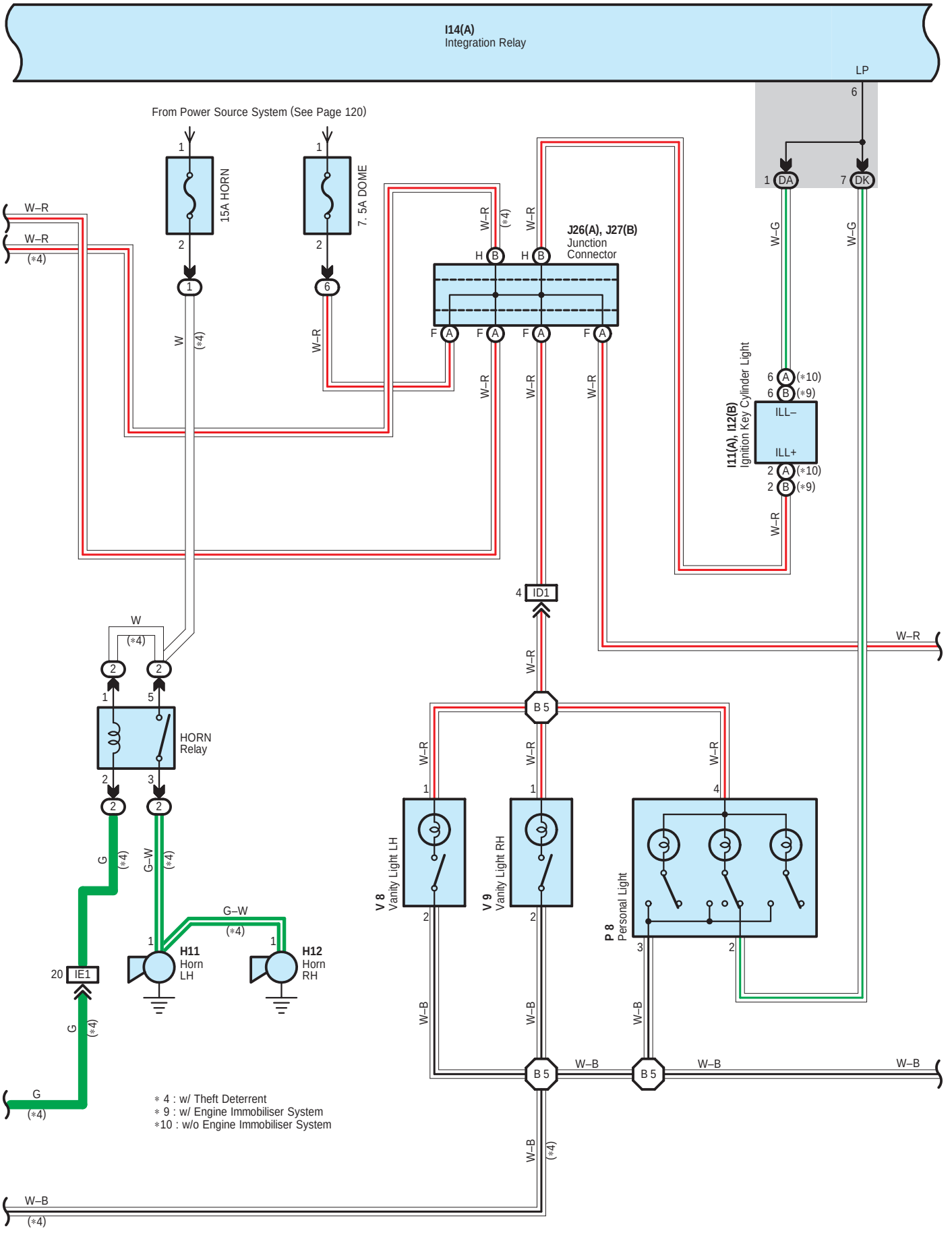
I14(A)
Integration Relay

∗ 4 : w/ Theft Deterrent
∗ 8 : Except 1AZ–FE

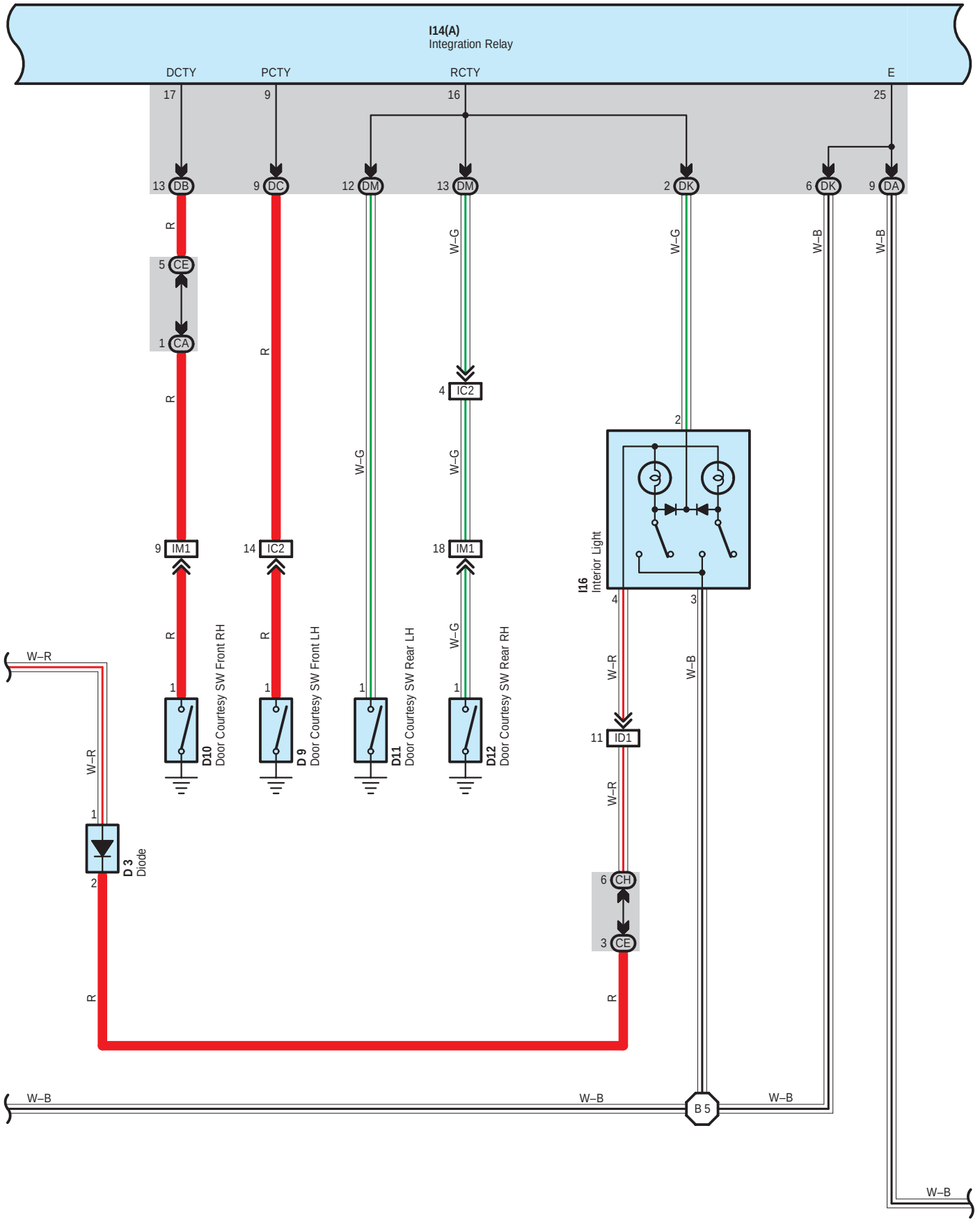


http://vnx.su

Door Lock Control (RHD) and Theft Deterrent

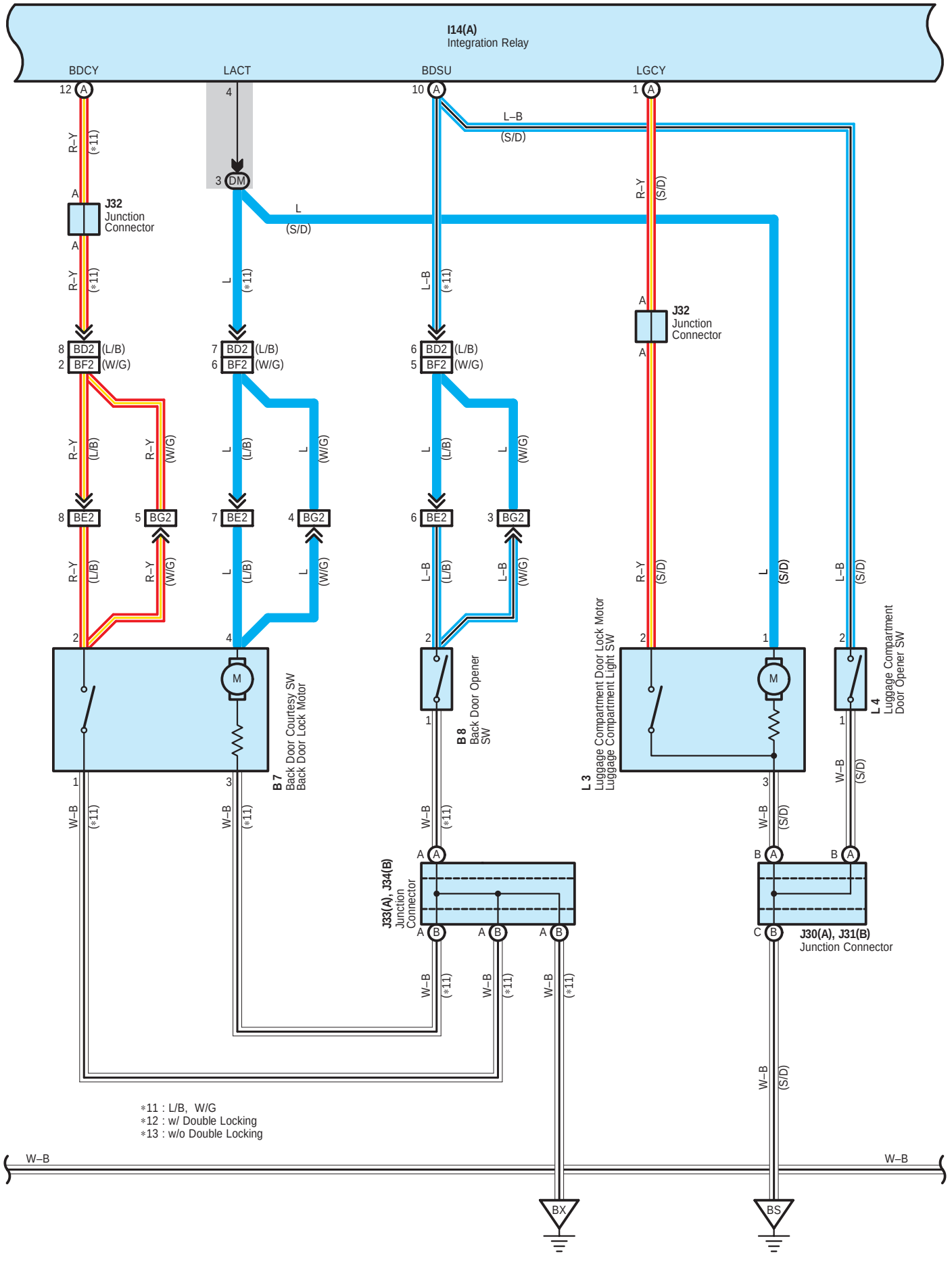


http://vnx.su

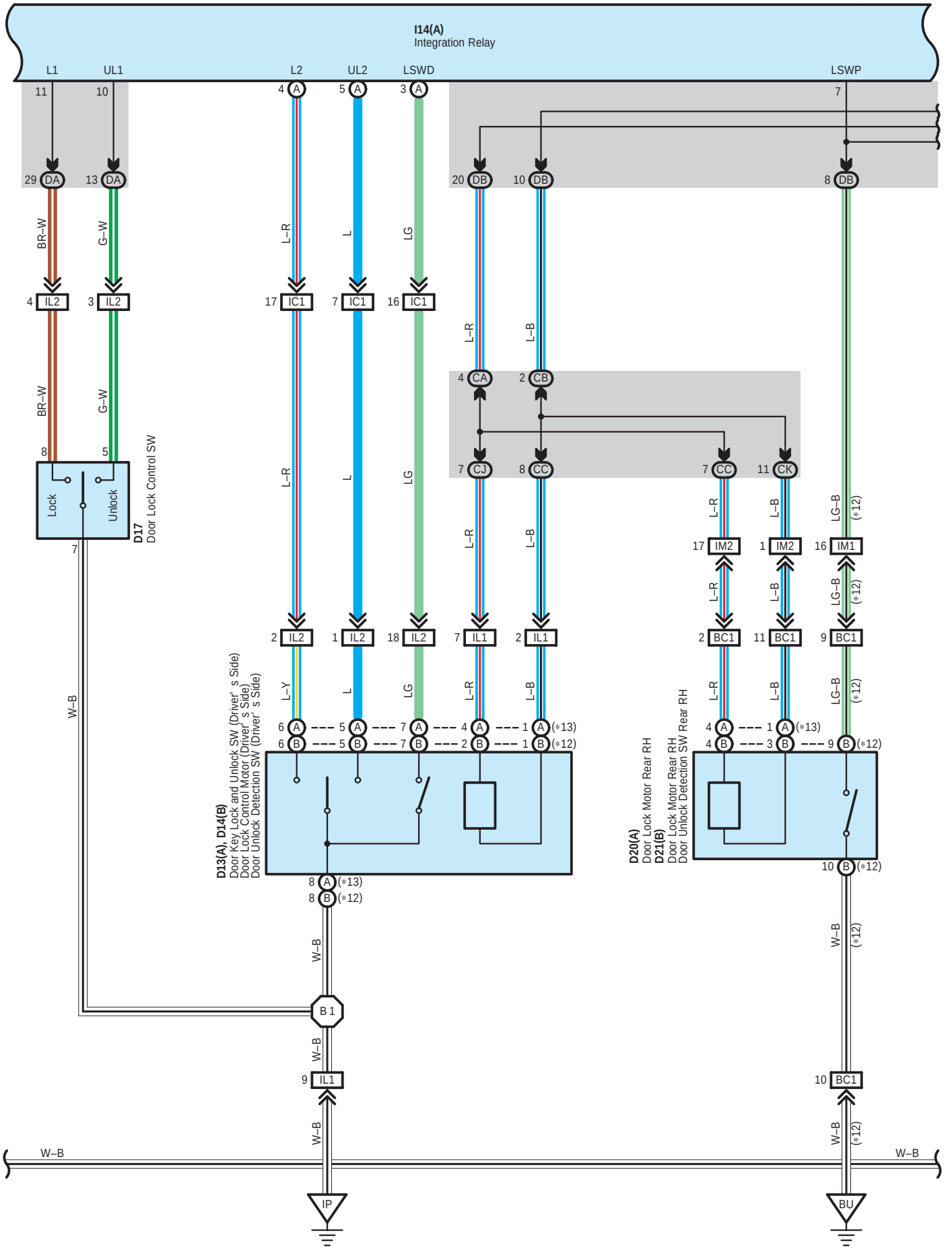

I14(A)
Integration Relay
DCTY
PCTY
RCTY
E
17
9
16
25
13 DB
9 DC
12 DM
13 DM
2 DK
6 DK
9 DA
R
5 CE
1 CA
R
R
W–G
W–G
W–G
W–B
W–B
4 IC2
2
9 IM1
14 IC2
18 IM1
I16
Interior Light
4
3
R
R
W–G
W–G
W–R
W–B
1
1
1
1
D10
Door Courtesy SW Front RH
D 9
Door Courtesy SW Front LH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
W–R
11 ID1
W–R
W–R
1
D 3
Diode
2
6 CH
3 CE
R
R
W–B
W–B
W–B
B 5
W–B

http://vnx.su

Door Lock Control (RHD) and Theft Deterrent

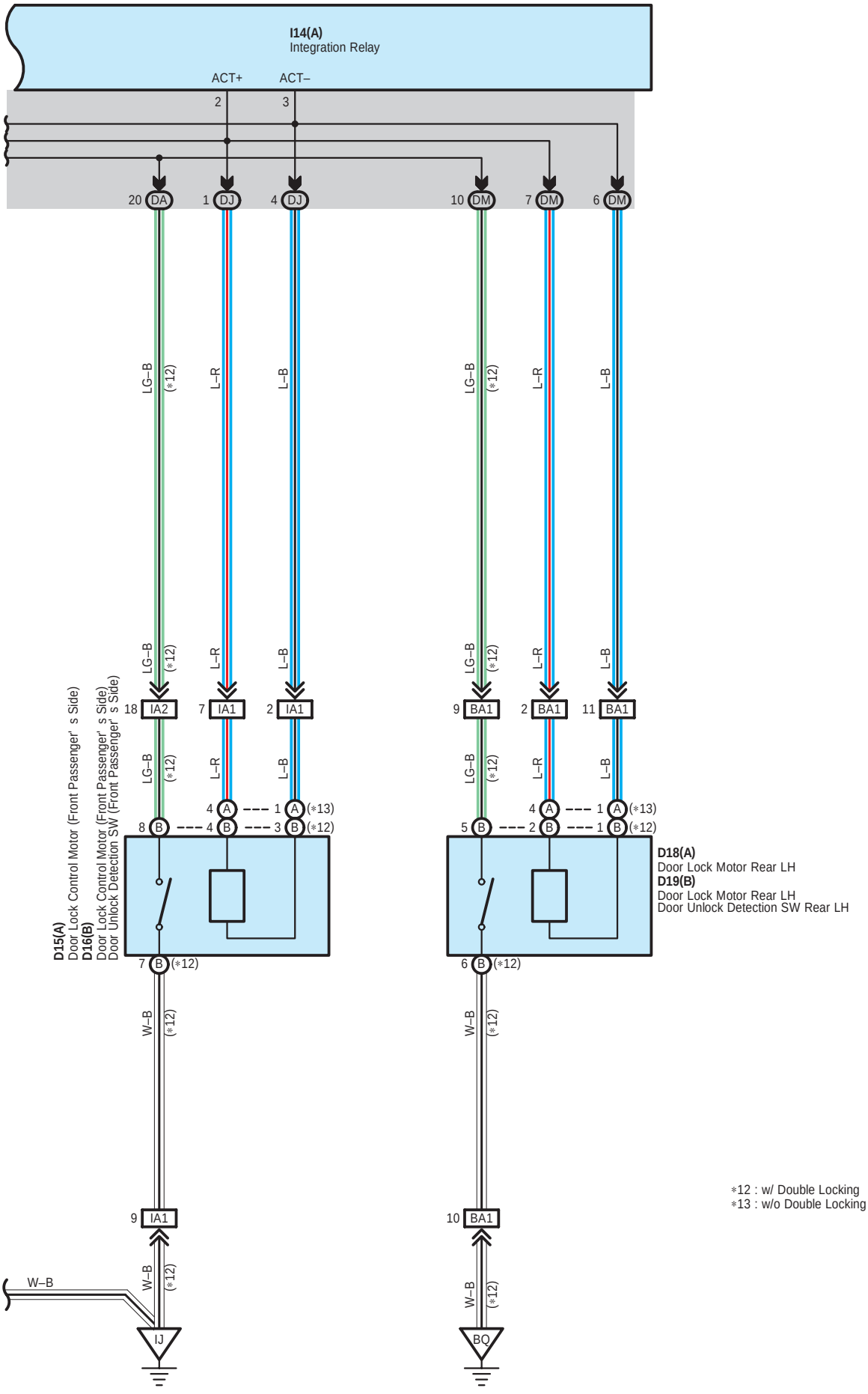


http://vnx.su


I14(A)
Integration Relay
L1
UL1
L2
UL2
LSWD
LSWP
D17
Door Lock Control SW
Lock
Unlock
D13(A), D14(B)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D20(A)
D21(B)
Door Lock Motor Rear RH
Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
B 1
IP
BU
W–B
BR–W
G–W
L–R
L
LG
L–Y
L–B
LG–B
(*12)
(*13)

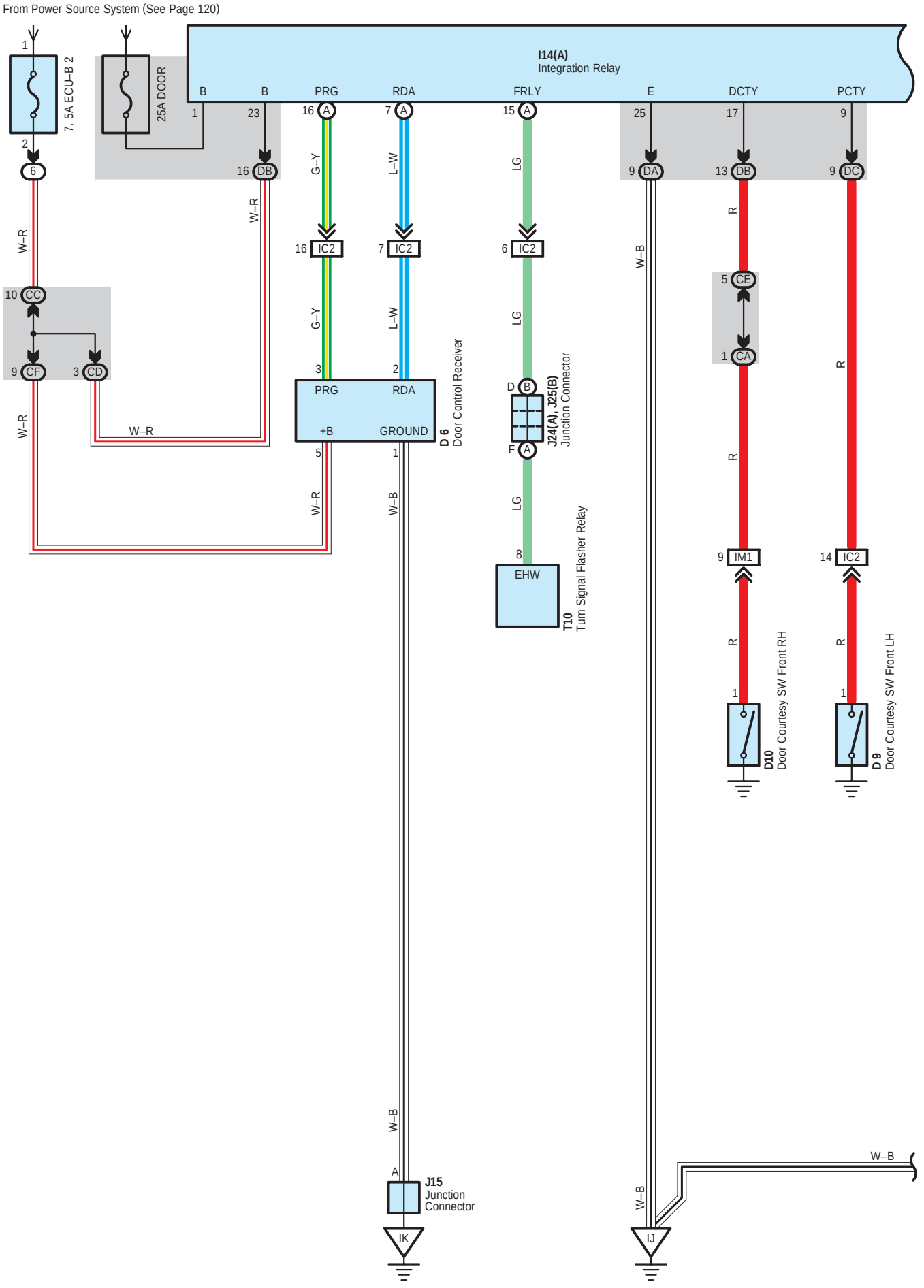
http://vnx.su

Door Lock Control (RHD) and Theft Deterrent

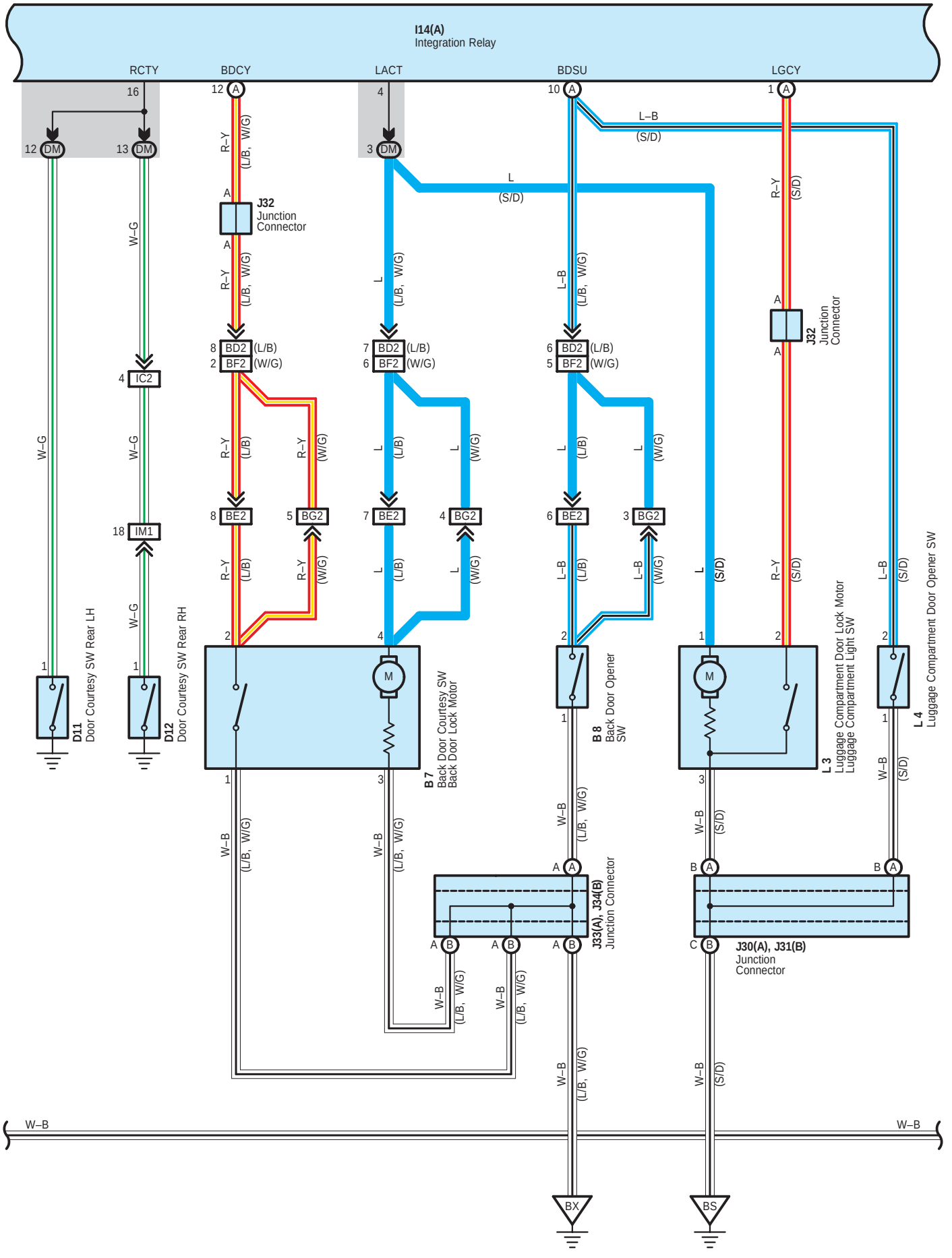


http://vnx.su

Wireless Door Lock Control (RHD)

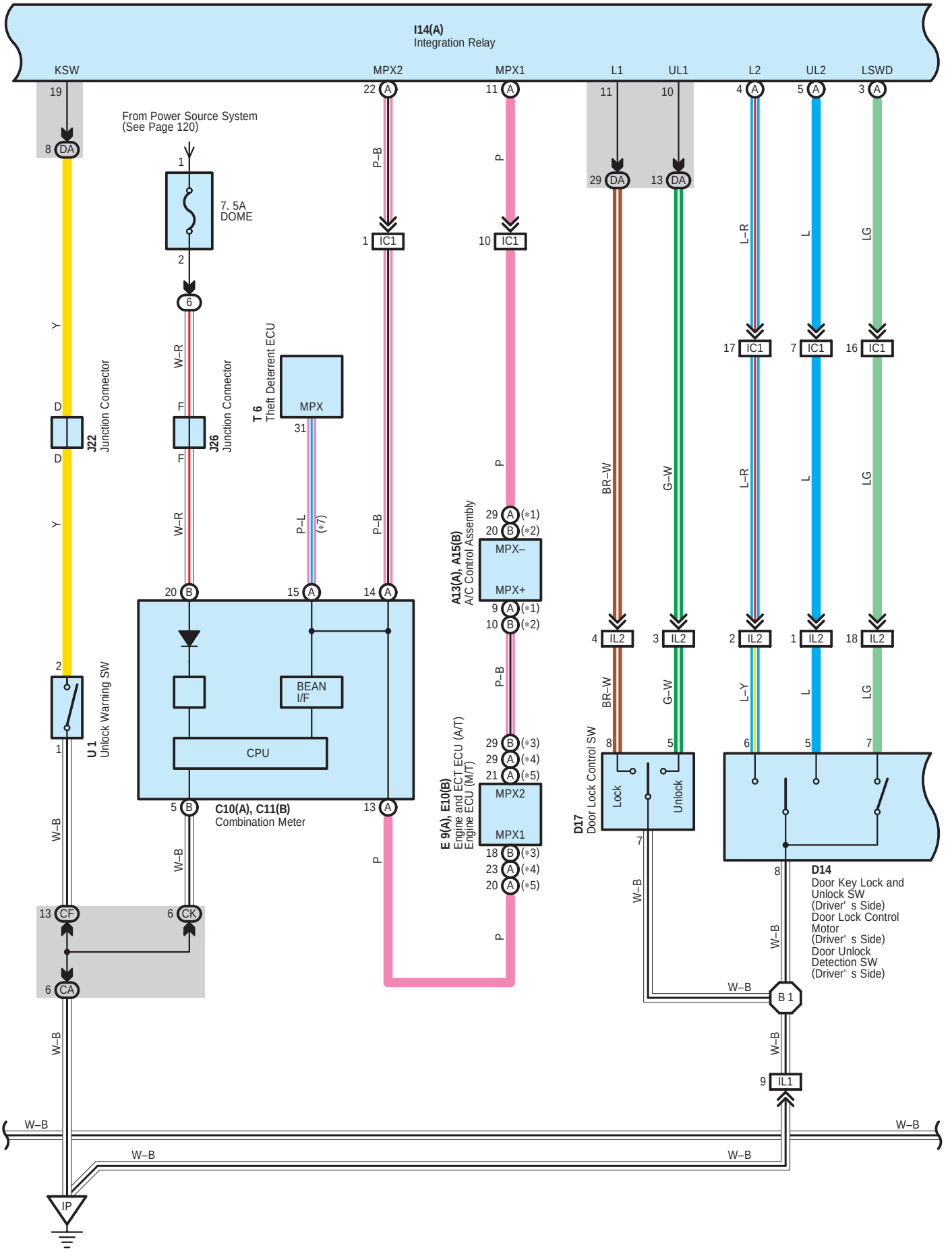


http://vnx.su

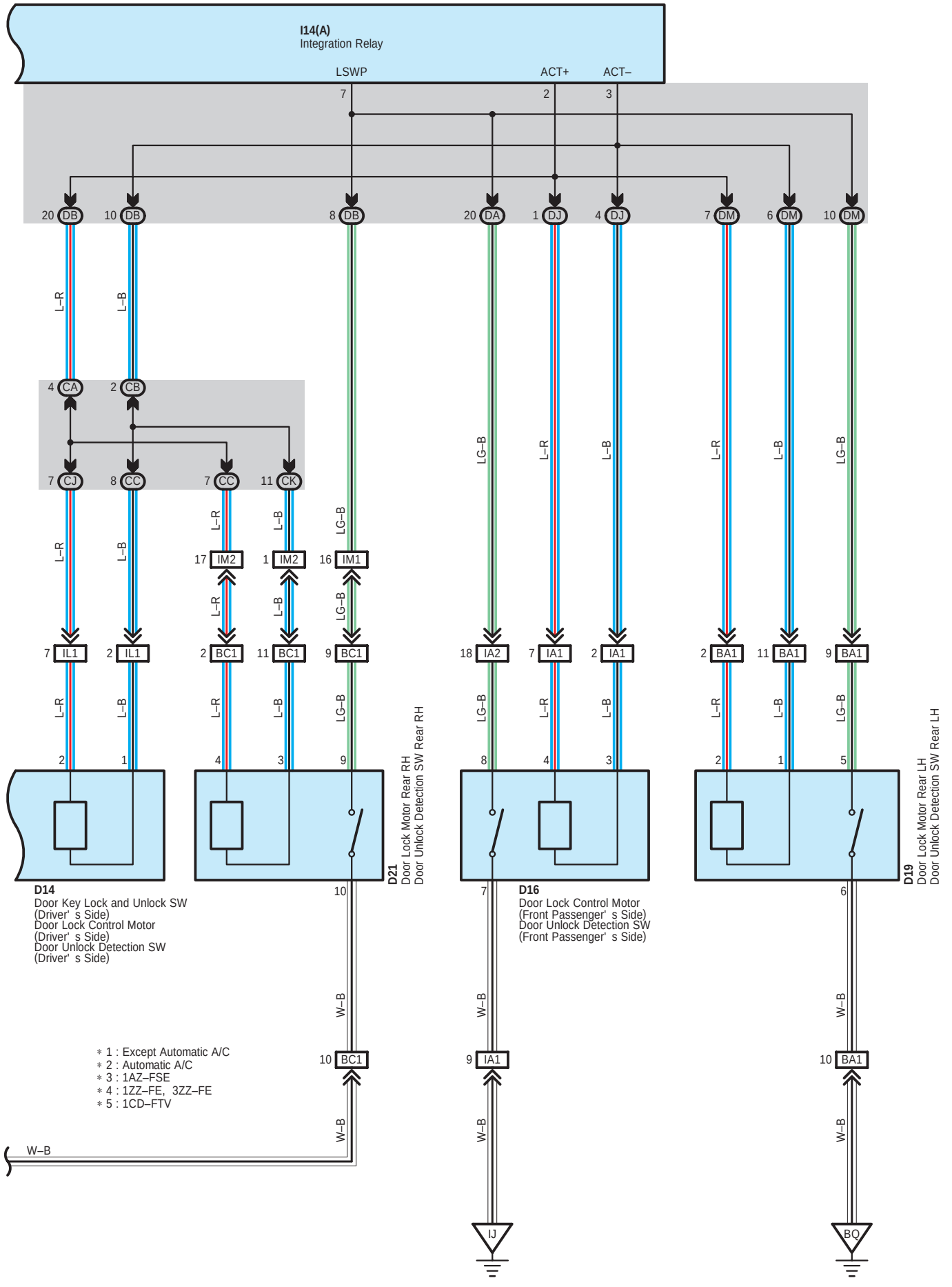

I14(A)
Integration Relay
RCTY
BDCY
LACT
BDSU
LGCY
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
J32
Junction Connector
B 7
Back Door Courtesy SW
Back Door Lock Motor
B 8
Back Door Opener SW
L 3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4
Luggage Compartment Door Opener SW
J33(A), J34(B)
Junction Connector
J30(A), J31(B)
Junction Connector
BX
BS

http://vnx.su

Wireless Door Lock Control (RHD)

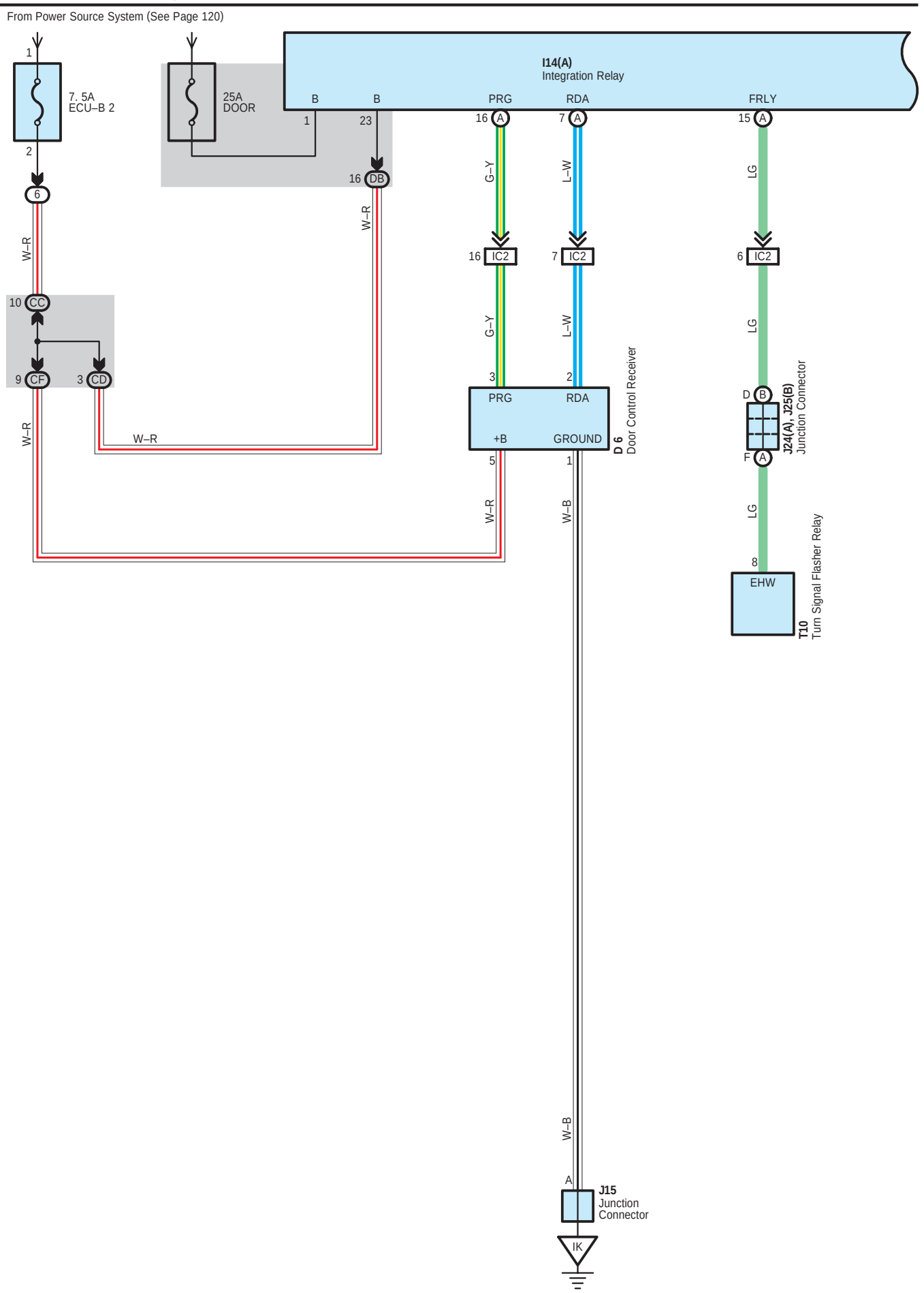


http://vnx.su

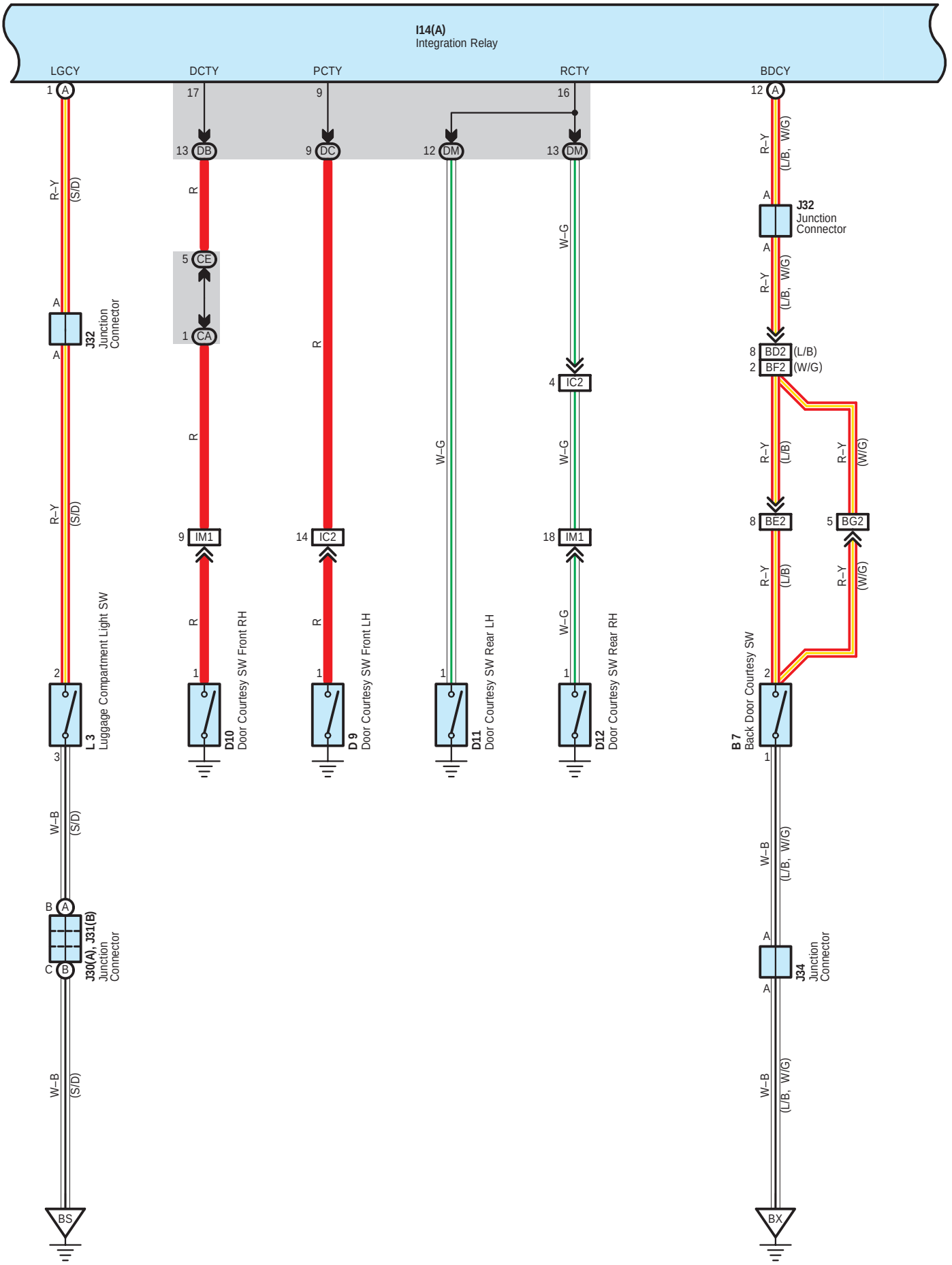

I14(A)
Integration Relay
LSWP
ACT+
ACT–
7
2
3
20 DB
10 DB
8 DB
20 DA
1 DJ
4 DJ
7 DM
6 DM
10 DM
L–R
L–B
LG–B
4 CA
2 CB
7 CJ
8 CC
7 CC
11 CK
17 IM2
1 IM2
16 IM1
7 IL1
2 IL1
2 BC1
11 BC1
9 BC1
18 IA2
7 IA1
2 IA1
2 BA1
11 BA1
9 BA1
D14
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D21
Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
D16
Door Lock Control Motor (Front Passenger' s Side)
Door Unlock Detection SW (Front Passenger' s Side)
D19
Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
10 BC1
9 IA1
10 BA1
W–B
IJ
BQ
* 1 : Except Automatic A/C
* 2 : Automatic A/C
* 3 : 1AZ–FSE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : 1CD–FTV

http://vnx.su

Double Locking

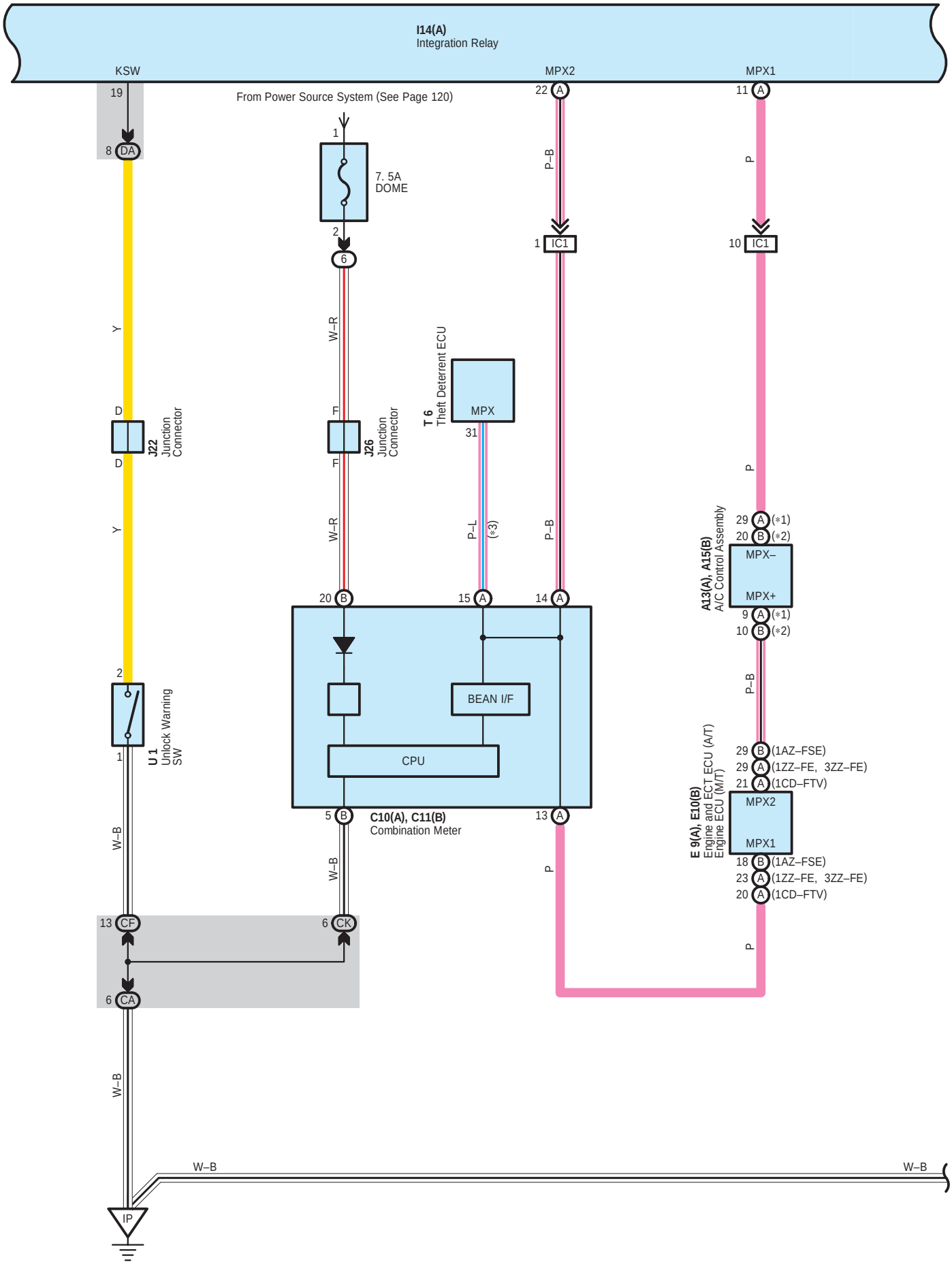


http://vnx.su

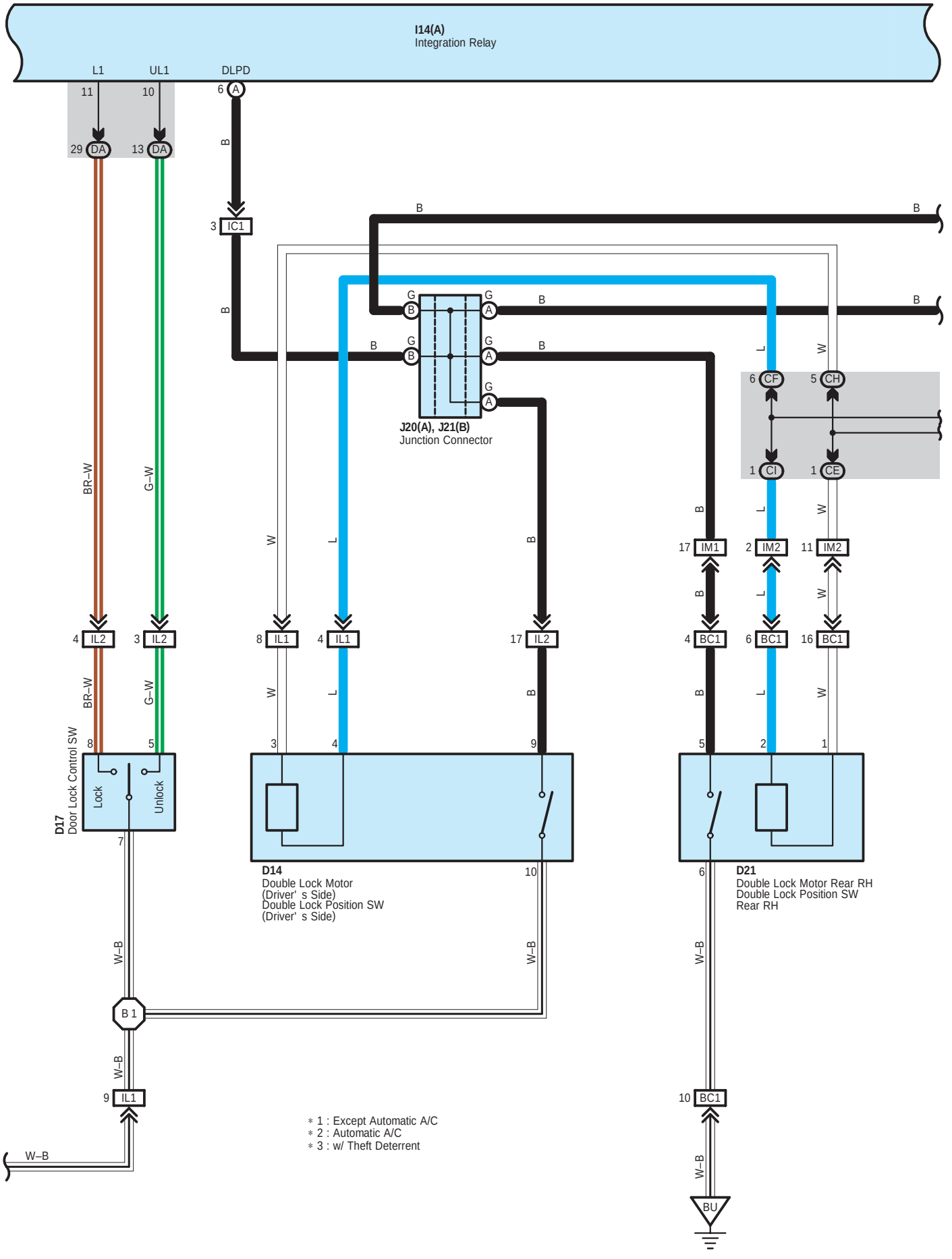

I14(A)
Integration Relay
LGCY
DCTY
PCTY
RCTY
BDCY
1 A
17
9
16
12 A
13 DB
9 DC
12 DM
13 DM
R–Y (S/D)
R
W–G
R–Y (L/B, W/G)
A
J32
Junction
Connector
5 CE
1 CA
8 BD2 (L/B)
2 BF2 (W/G)
4 IC2
9 IM1
14 IC2
18 IM1
R–Y (L/B)
R–Y (W/G)
8 BE2
5 BG2
2
3
1
L 3
Luggage Compartment Light SW
D10
Door Courtesy SW Front RH
D 9
Door Courtesy SW Front LH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
B 7
Back Door Courtesy SW
W–B (S/D)
W–B (L/B, W/G)
B A
C B
J30(A), J31(B)
Junction
Connector
J34
Junction
Connector
BS
BX

http://vnx.su

Double Locking

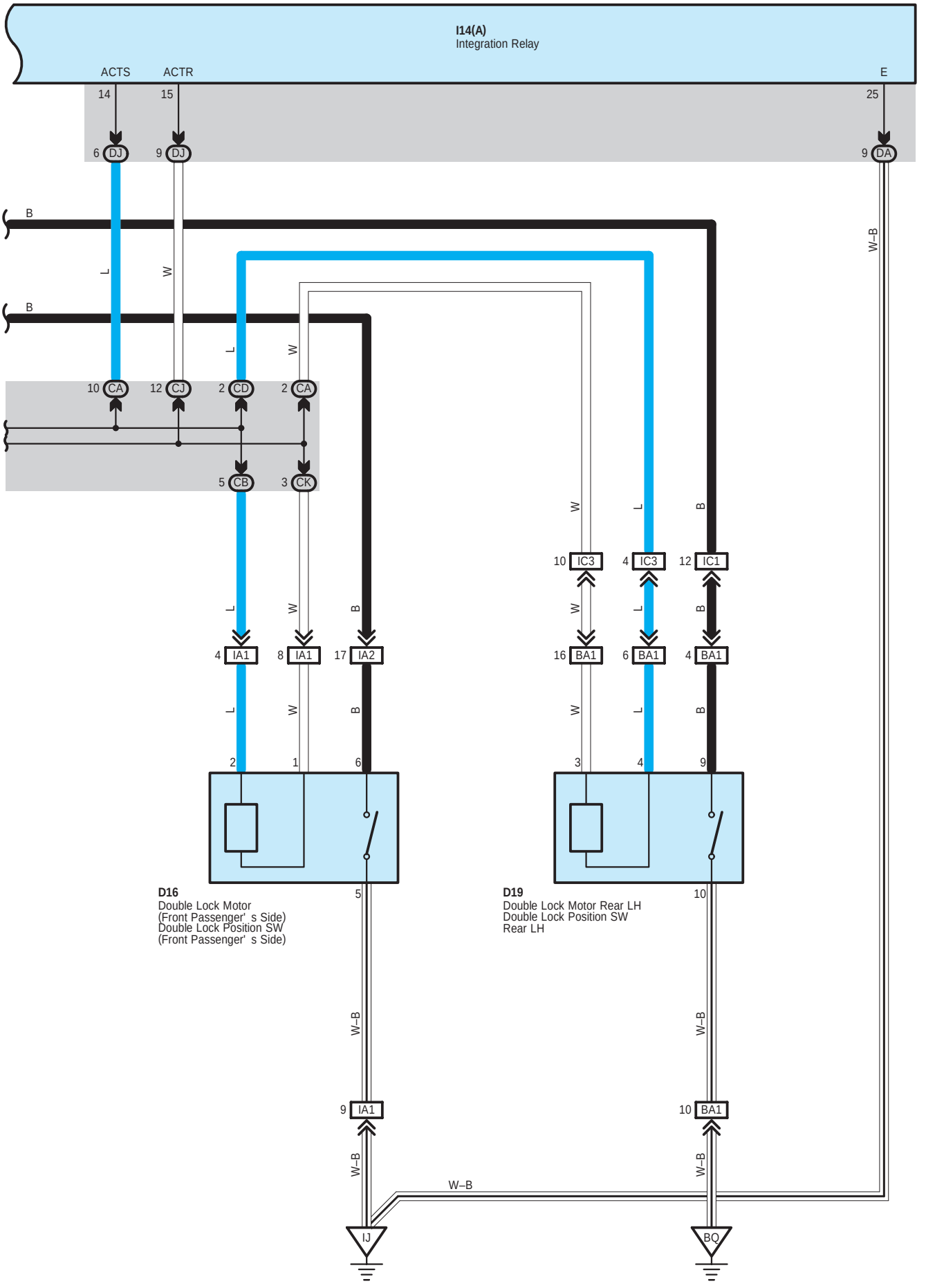


http://vnx.su


I14(A)
Integration Relay
L1
UL1
DLPD
11
10
6 A
29 DA
13 DA
B
3 IC1
B
B
B
G
B
G
A
J20(A), J21(B)
Junction Connector
6 CF
5 CH
1 CI
1 CE
L
W
BR–W
G–W
17 IM1
2 IM2
11 IM2
4 IL2
3 IL2
8 IL1
4 IL1
17 IL2
4 BC1
6 BC1
16 BC1
8
5
3
4
9
5
2
1
D17
Door Lock Control SW
Lock
Unlock
7
D14
Double Lock Motor
(Driver' s Side)
Double Lock Position SW
(Driver' s Side)
10
D21
Double Lock Motor Rear RH
Double Lock Position SW
Rear RH
6
W–B
B 1
9 IL1
10 BC1
W–B
BU
* 1 : Except Automatic A/C
* 2 : Automatic A/C
* 3 : w/ Theft Deterrent

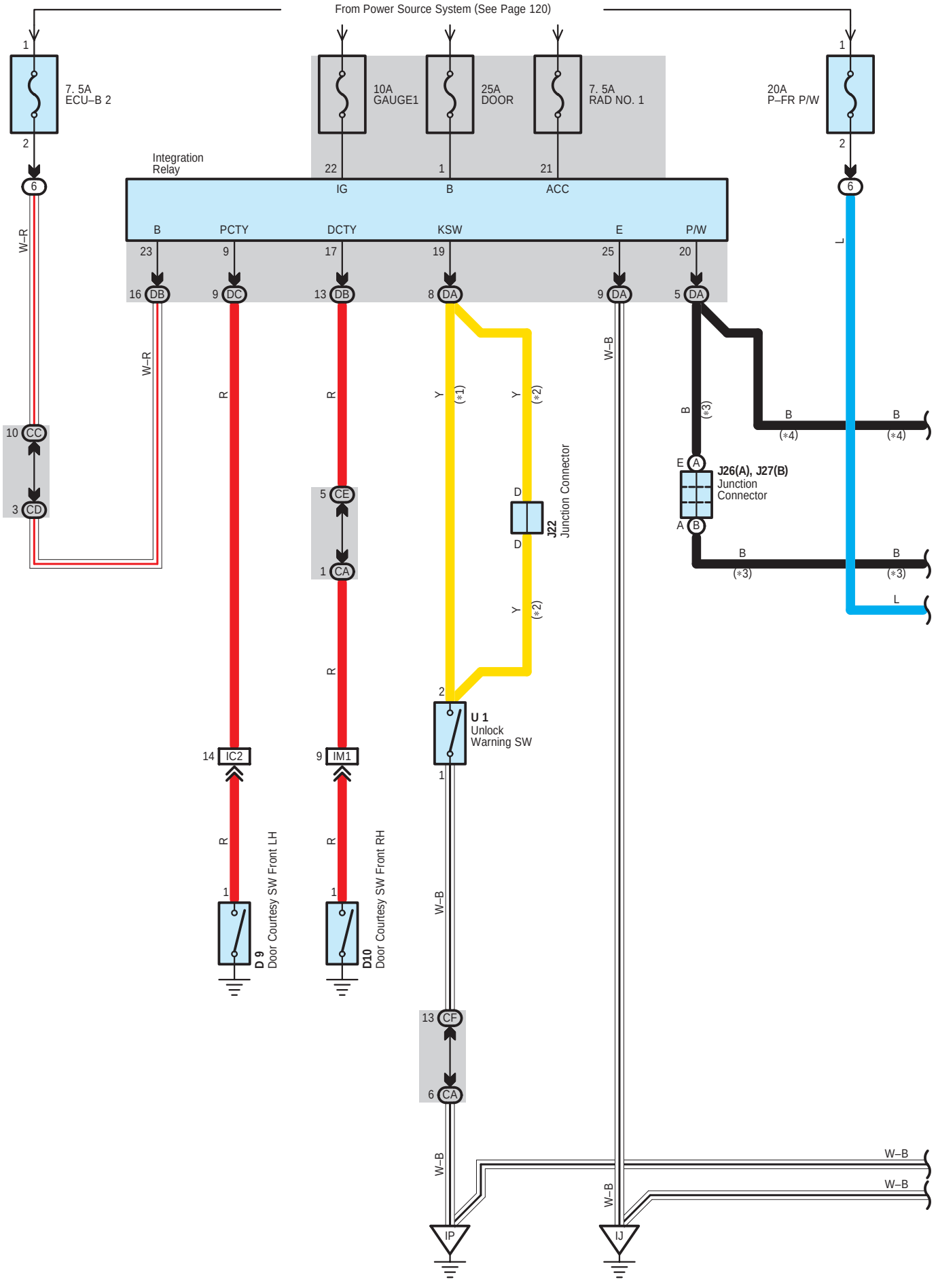
http://vnx.su

Double Locking

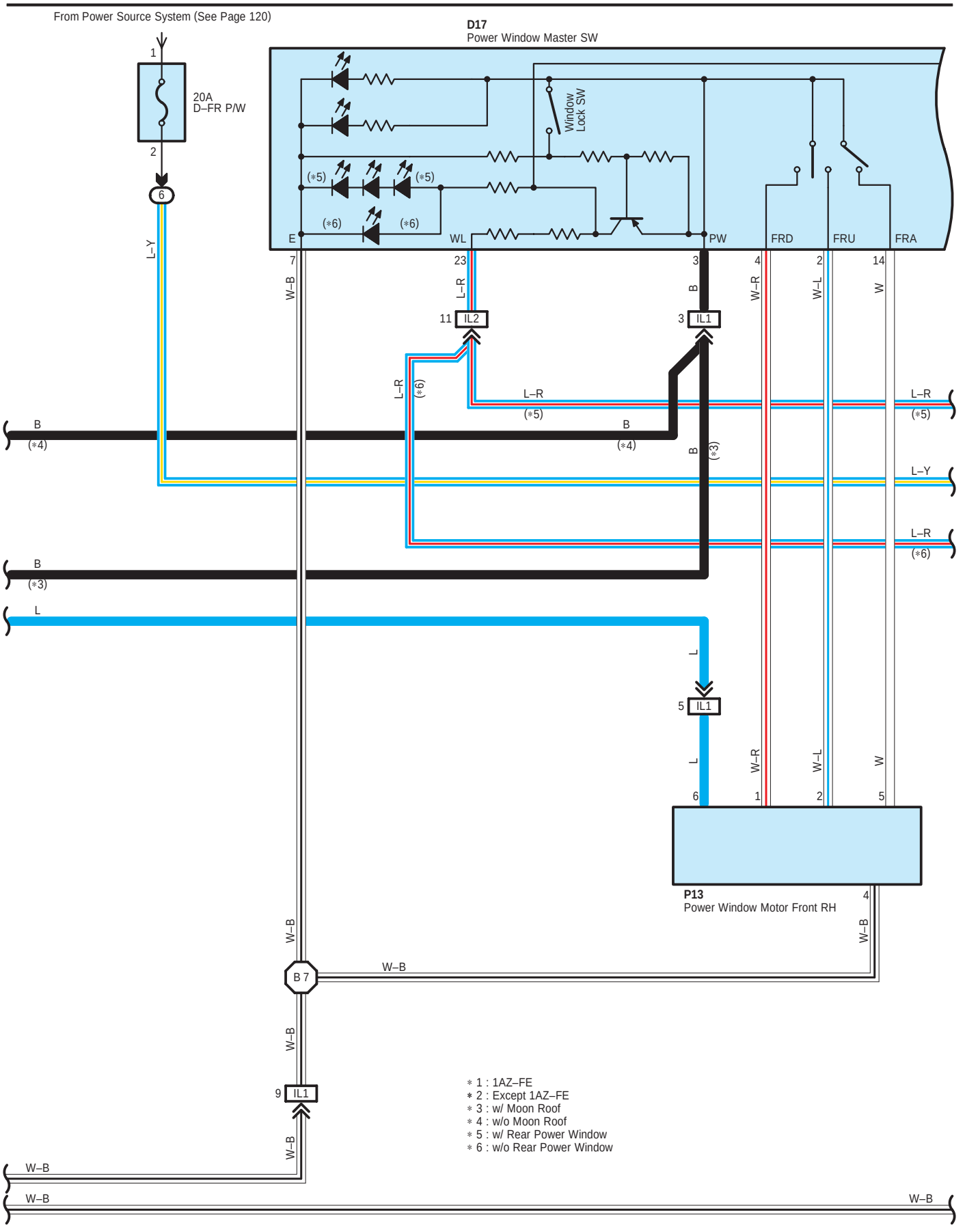


http://vnx.su

Power Window (RHD)

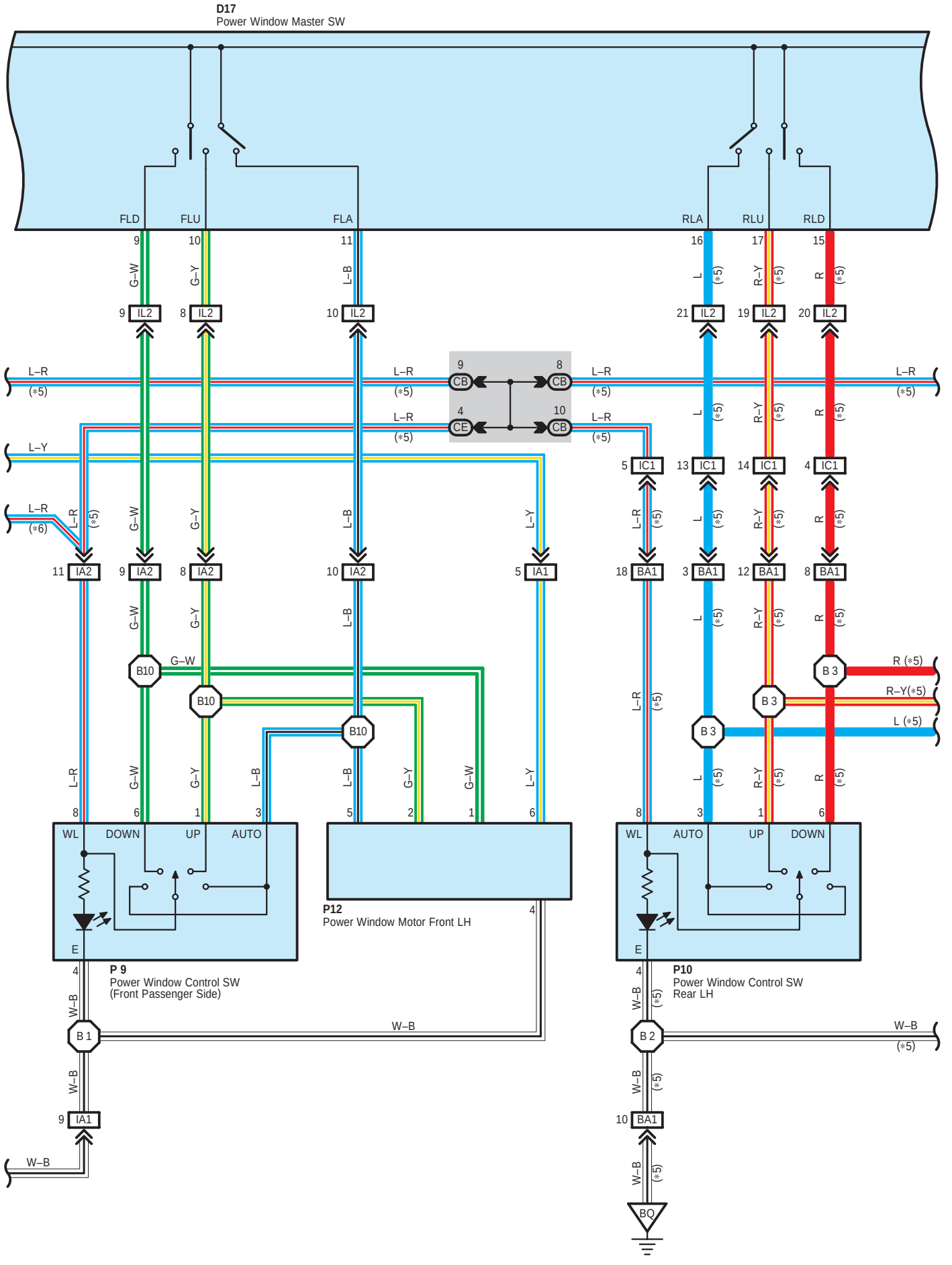


http://vnx.su

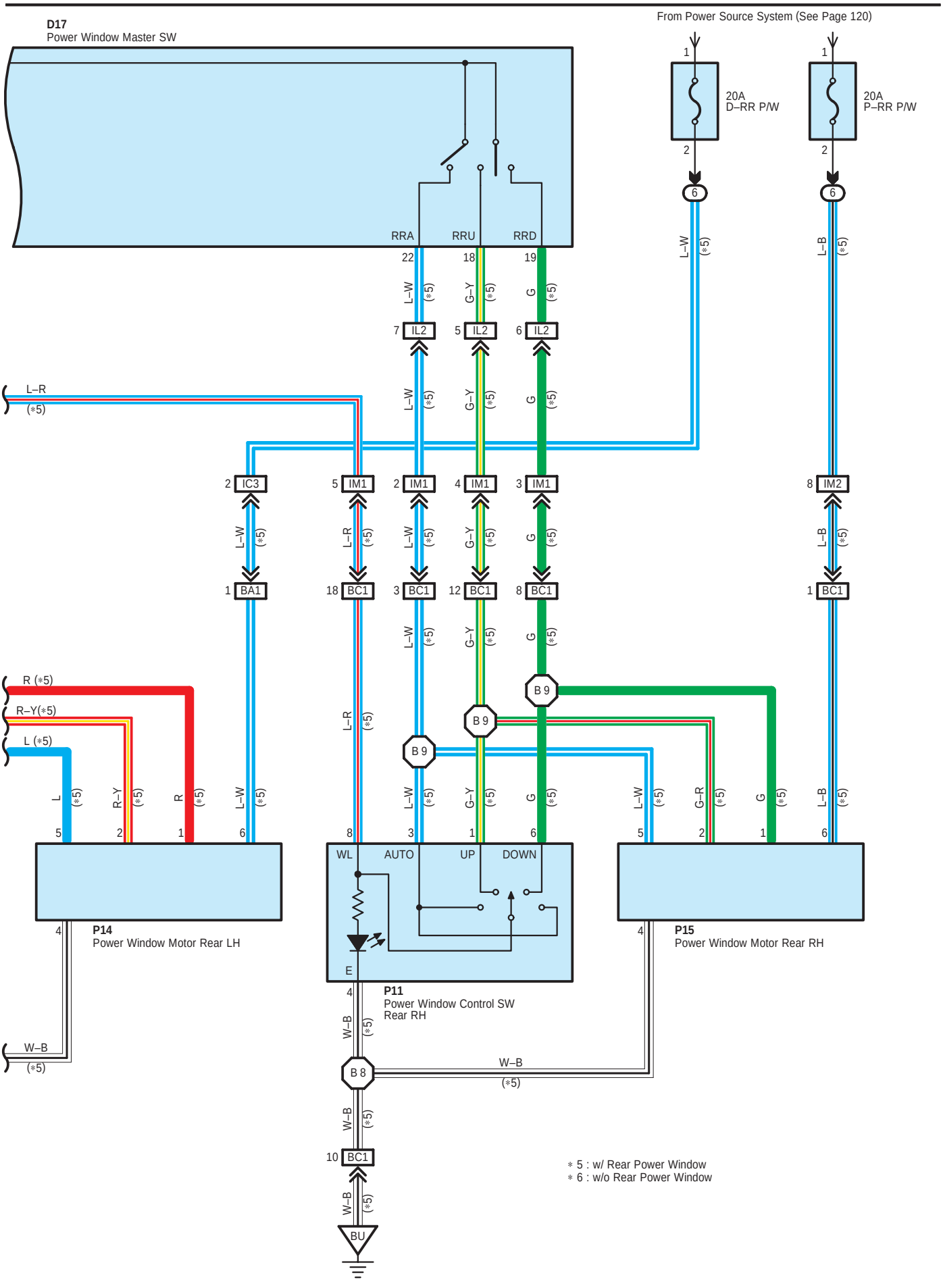

From Power Source System (See Page 120)
D17
Power Window Master SW
1
20A
D–FR P/W
2
6
L–Y
Window
Lock SW
(∗5)
(∗5)
(∗6)
(∗6)
E
WL
PW
FRD
FRU
FRA
7
W–B
23
L–R
11
IL2
3
B
3
IL1
4
W–R
2
W–L
14
W
L–R
(∗6)
L–R
(∗5)
B
(∗4)
B
(∗4)
B
(∗3)
L–R
(∗5)
L–Y
L–R
(∗6)
B
(∗3)
L
L
5
IL1
L
6
W–R
1
W–L
2
W
5
P13
Power Window Motor Front RH
4
W–B
W–B
B 7
W–B
W–B
9
IL1
W–B
W–B
W–B
∗ 1 : 1AZ–FE
∗ 2 : Except 1AZ–FE
∗ 3 : w/ Moon Roof
∗ 4 : w/o Moon Roof
∗ 5 : w/ Rear Power Window
∗ 6 : w/o Rear Power Window

http://vnx.su

Power Window (RHD)

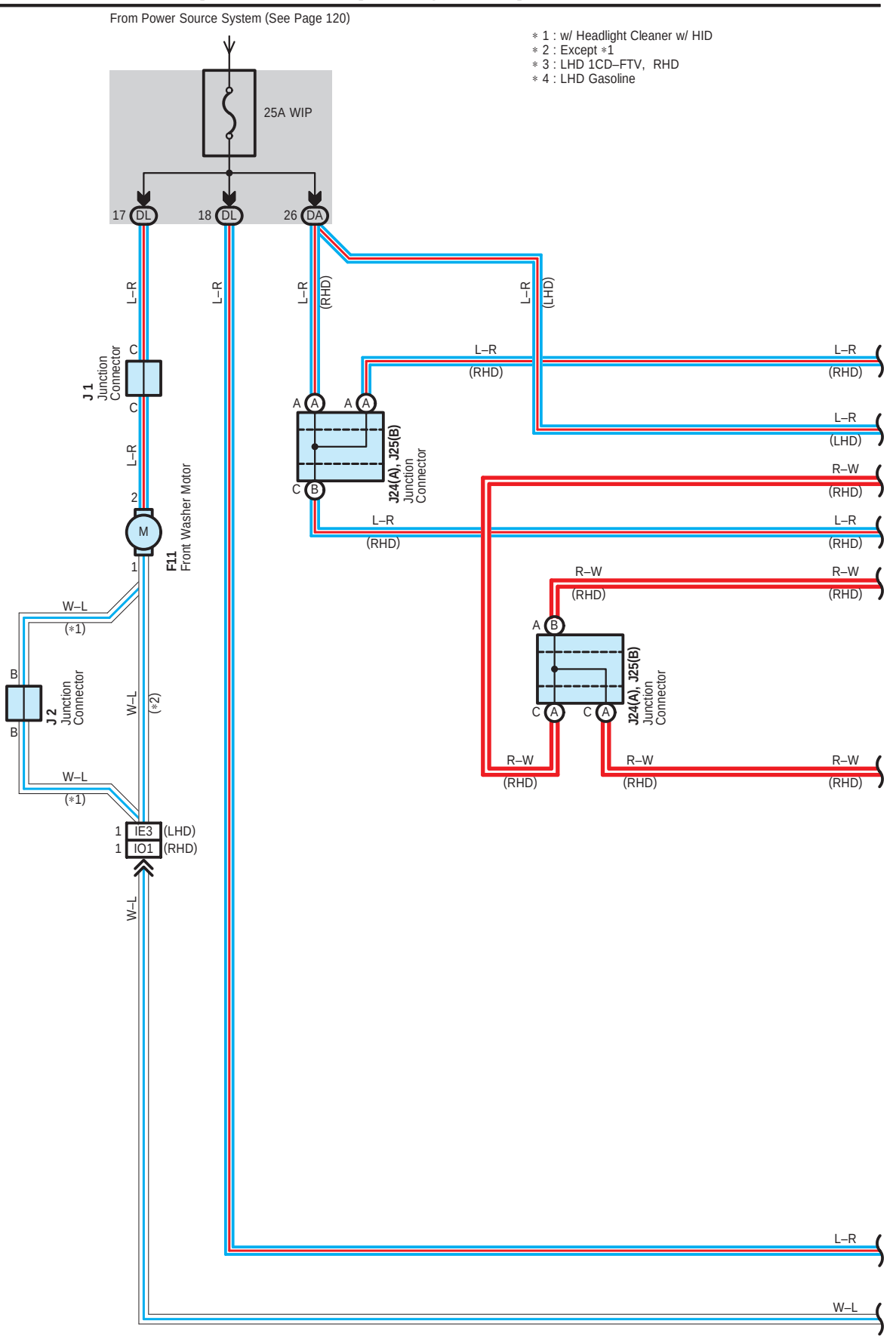


http://vnx.su

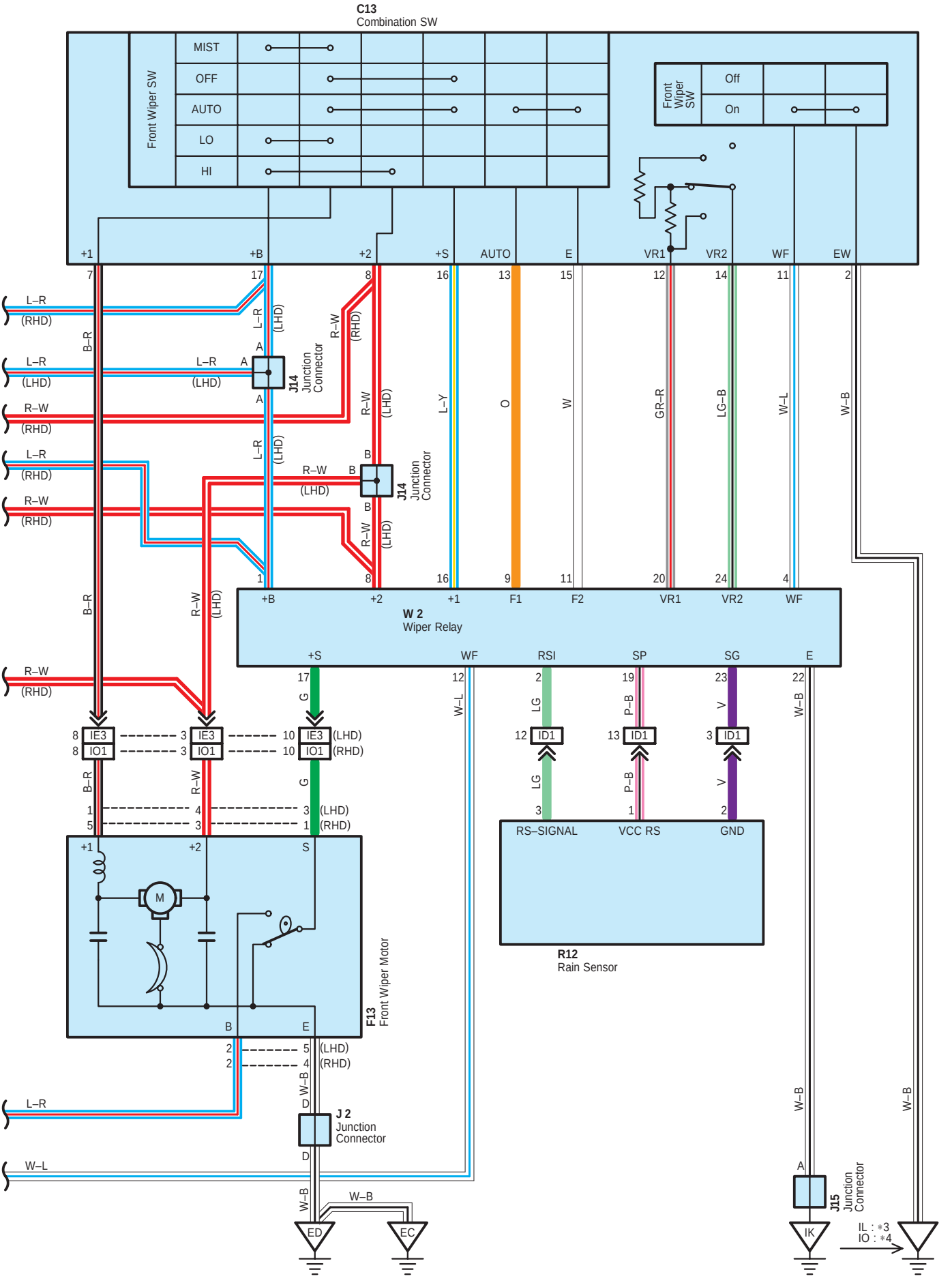

D17
Power Window Master SW
From Power Source System (See Page 120)
20A
D–RR P/W
20A
P–RR P/W
RRA
RRU
RRD
L–W (*5)
L–B (*5)
G–Y (*5)
G (*5)
L–R (*5)
R (*5)
R–Y (*5)
L (*5)
W–B (*5)
IC3
IM1
IM2
IL2
BA1
BC1
B 9
B 8
P14
Power Window Motor Rear LH
P15
Power Window Motor Rear RH
P11
Power Window Control SW
Rear RH
WL
AUTO
UP
DOWN
E
BU
* 5 : w/ Rear Power Window
* 6 : w/o Rear Power Window

http://vnx.su

Front Wiper and Washer (w/ Auto Wiper System)

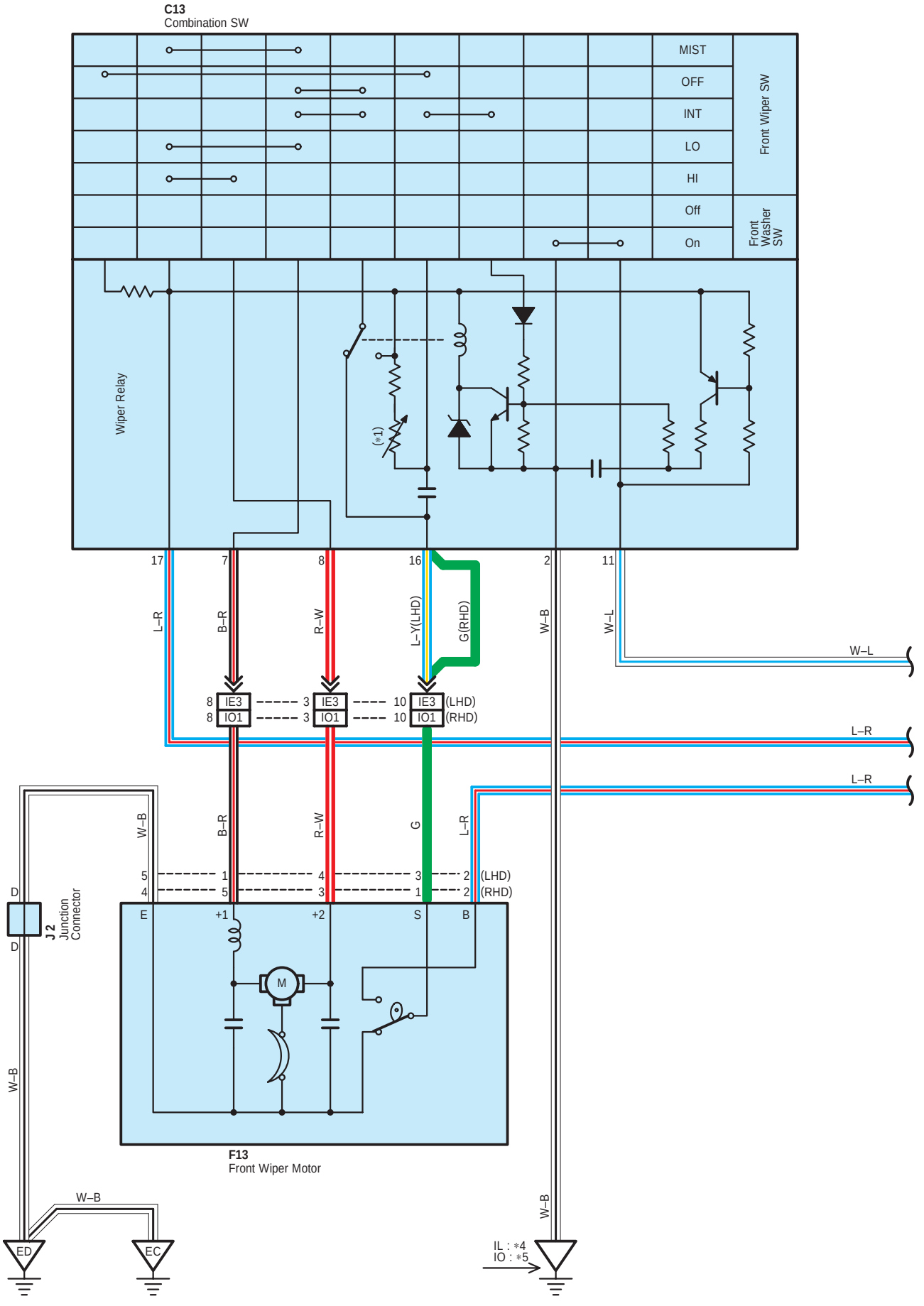


http://vnx.su


C13
Combination SW
Front Wiper SW
MIST
OFF
AUTO
LO
HI
Front Wiper SW
Off
On
+1
+B
+2
+S
AUTO
E
VR1
VR2
WF
EW
J14
Junction Connector
J14
Junction Connector
W 2
Wiper Relay
+B
+2
+1
F1
F2
VR1
VR2
WF
+S
WF
RSI
SP
SG
E
IE3
IO1
(LHD)
(RHD)
ID1
RS–SIGNAL
VCC RS
GND
R12
Rain Sensor
+1
+2
S
M
B
E
F13
Front Wiper Motor
J 2
Junction Connector
J15
Junction Connector
ED
EC
IK
IL : *3
IO : *4
L–R
R–W
W–L
W–B
B–R
L–Y
O
W
GR–R
LG–B
G
V
P–B
LG

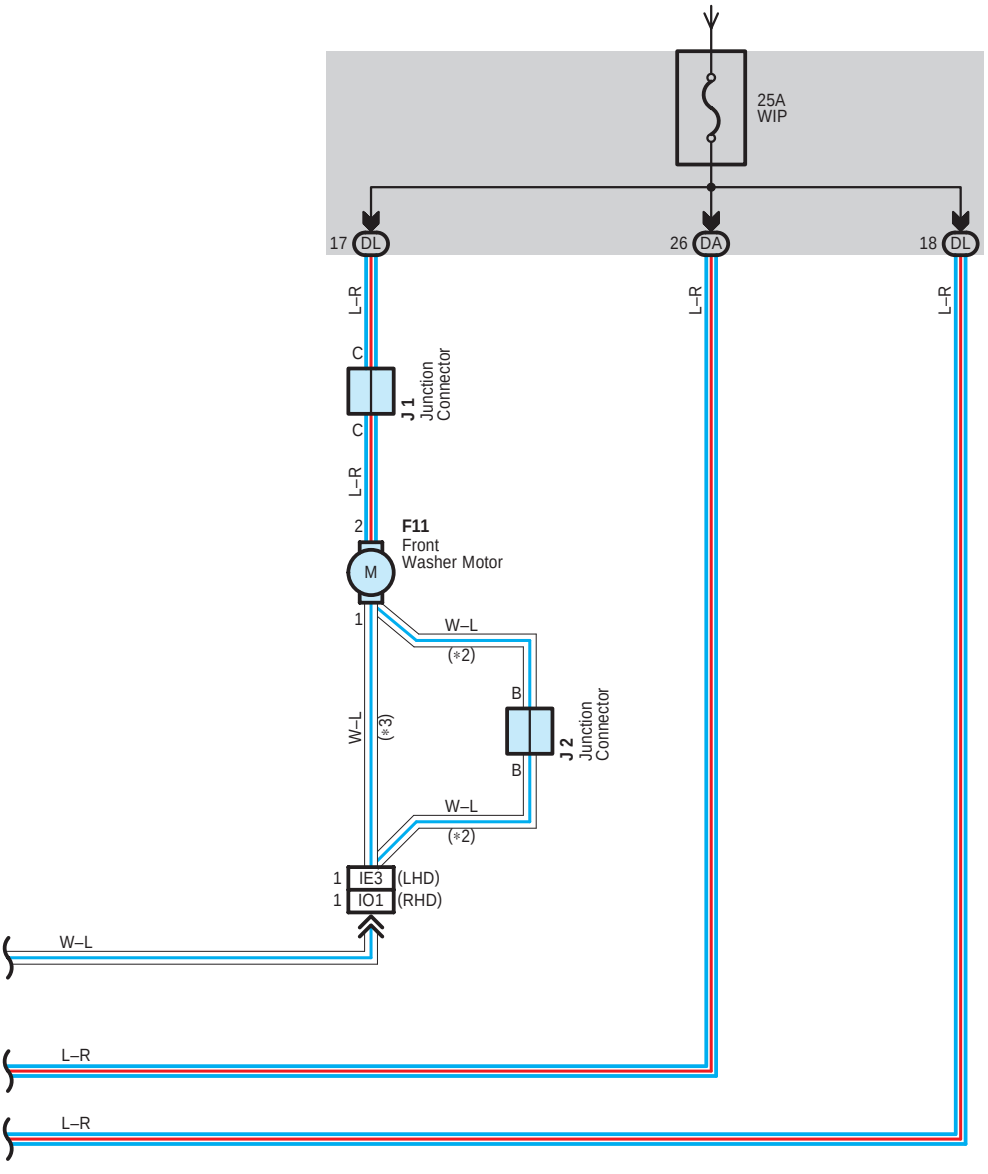
http://vnx.su

Front Wiper and Washer (w/o Auto Wiper System)



http://vnx.su

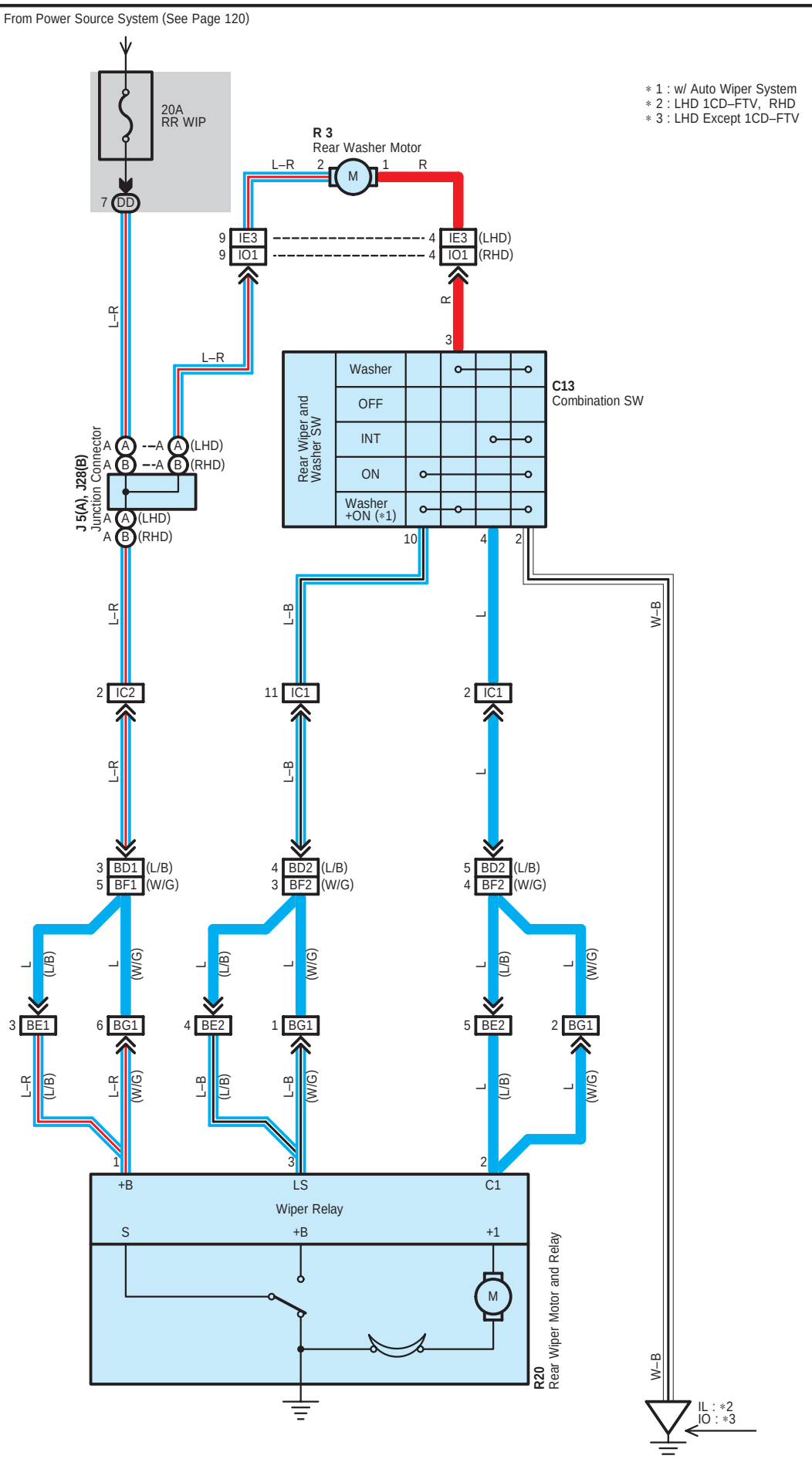
From Power Source System (See Page 120)



* 1 : Intermittent Volume SW
* 2 : w/ Headlight Cleaner w/ HID
* 3 : Except *2
* 4 : LHD 1CD–FTV, RHD
* 5 : LHD Except 1CD–FTV

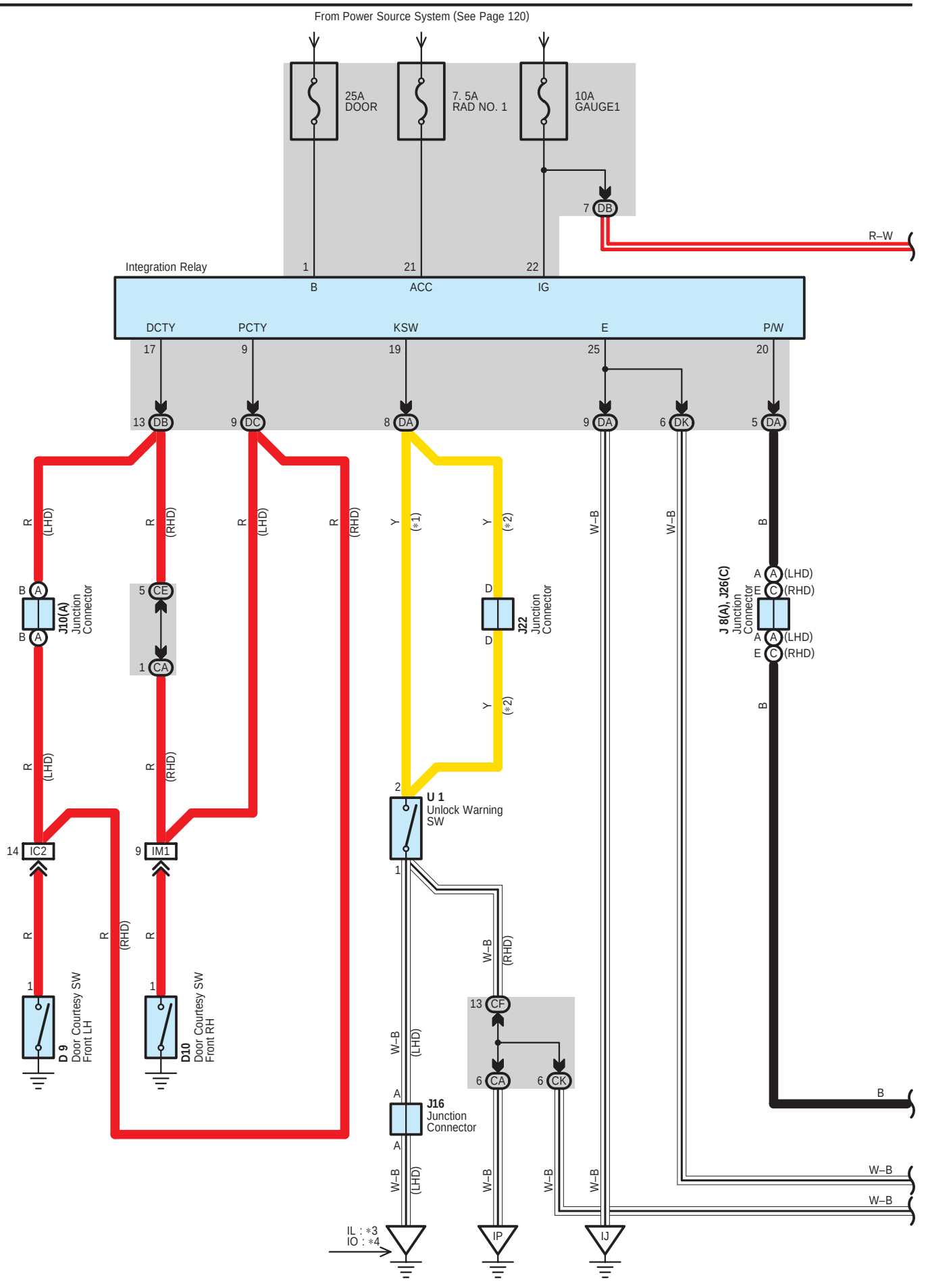
http://vnx.su

Rear Wiper and Washer

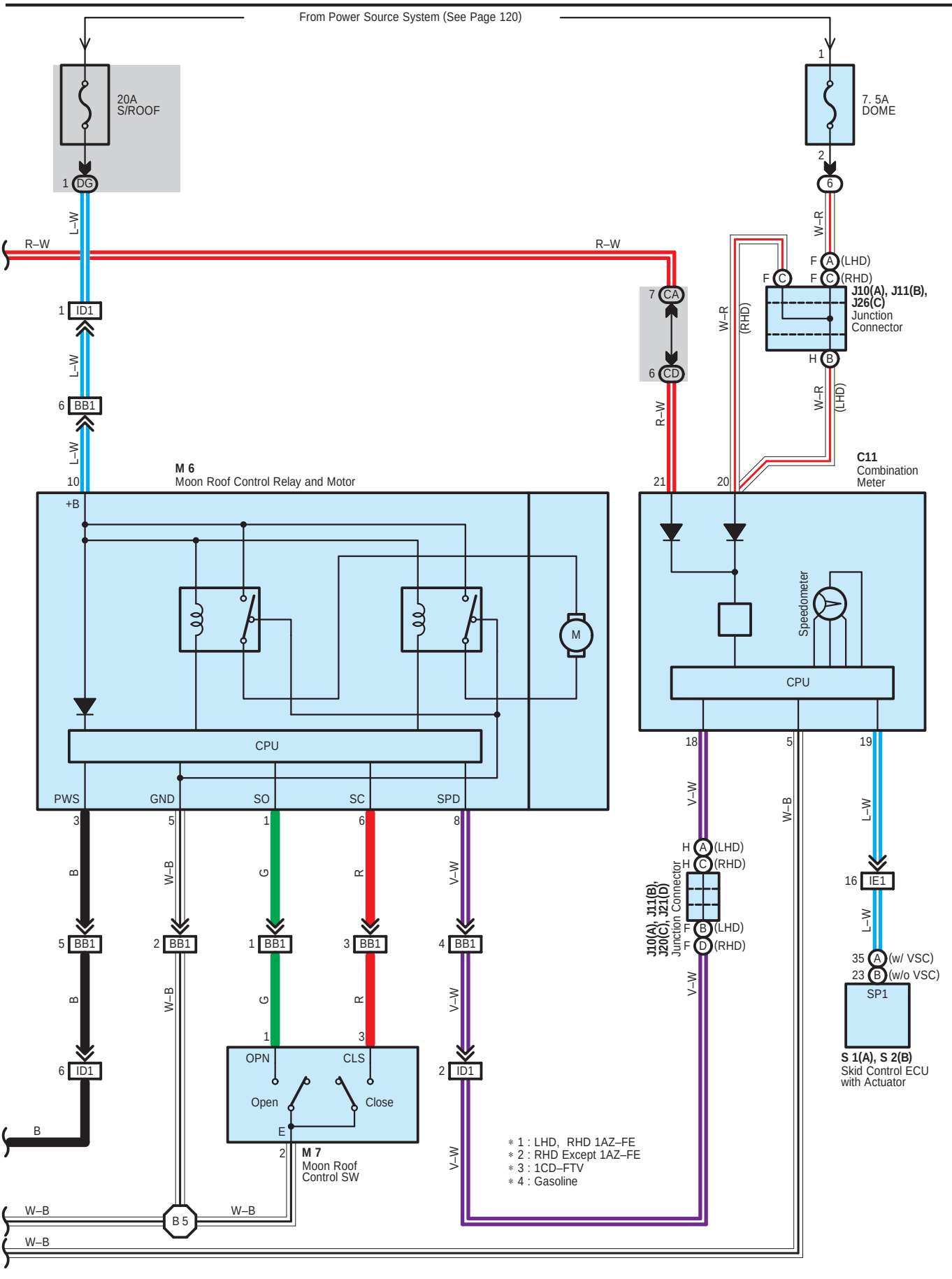


http://vnx.su

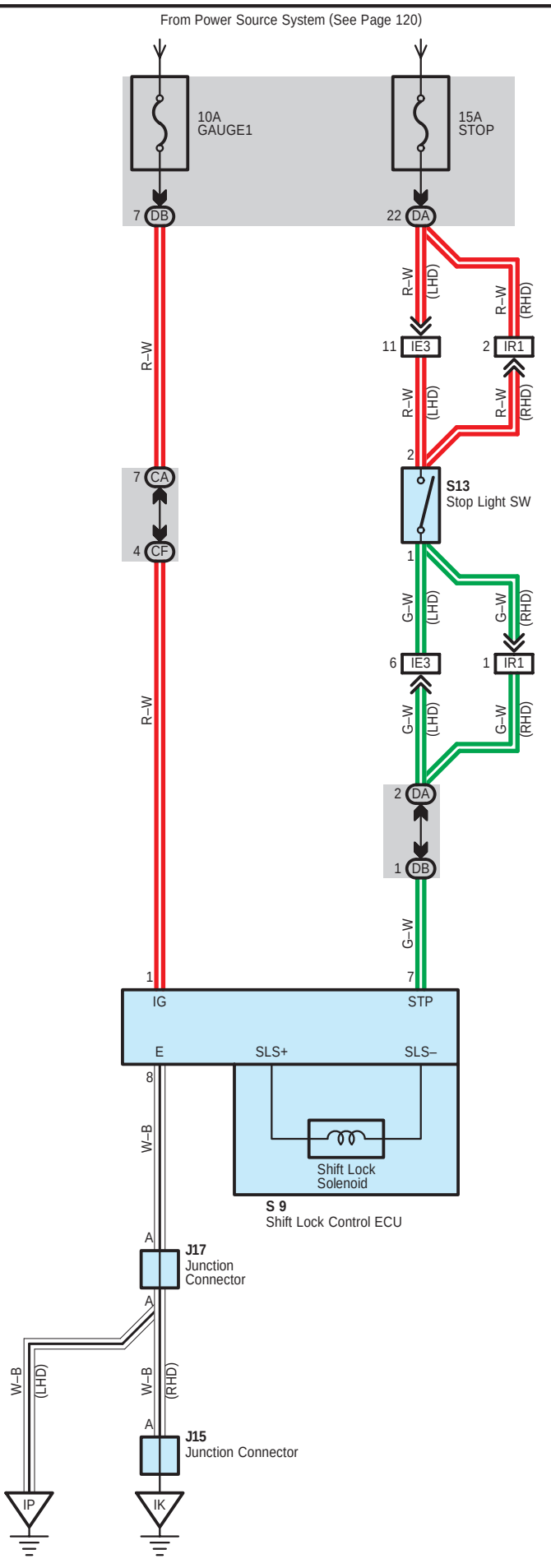
Moon Roof



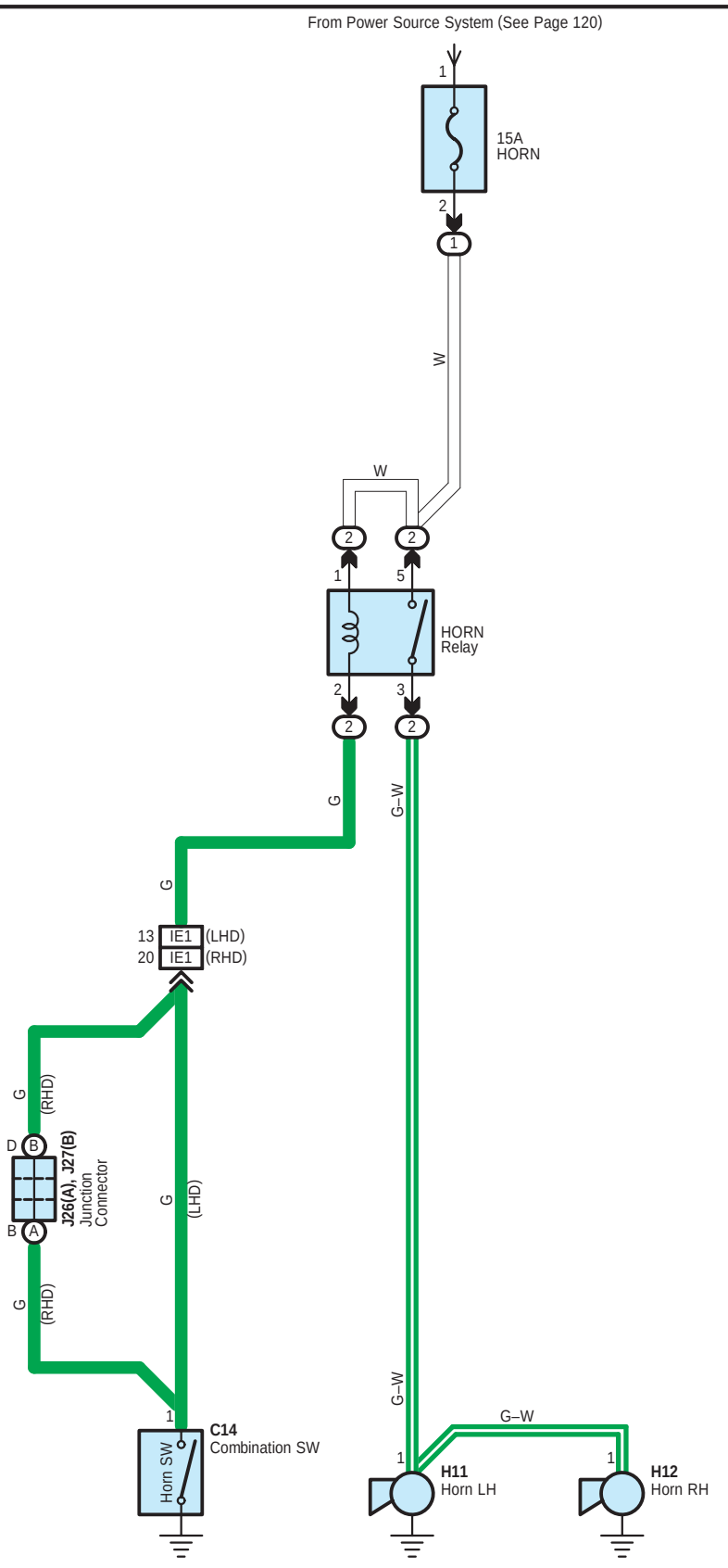
http://vnx.su


From Power Source System (See Page 120)
20A
S/ROOF
7. 5A
DOME
M 6
Moon Roof Control Relay and Motor
C11
Combination
Meter
J10(A), J11(B),
J26(C)
Junction
Connector
CPU
Speedometer
PWS
GND
SO
SC
SPD
Open
Close
OPN
CLS
M 7
Moon Roof
Control SW
J10(A), J11(B),
J20(C), J21(D)
Junction Connector
S 1(A), S 2(B)
Skid Control ECU
with Actuator
SP1
(w/ VSC)
(w/o VSC)
(LHD)
(RHD)
* 1 : LHD, RHD 1AZ–FE
* 2 : RHD Except 1AZ–FE
* 3 : 1CD–FTV
* 4 : Gasoline

http://vnx.su

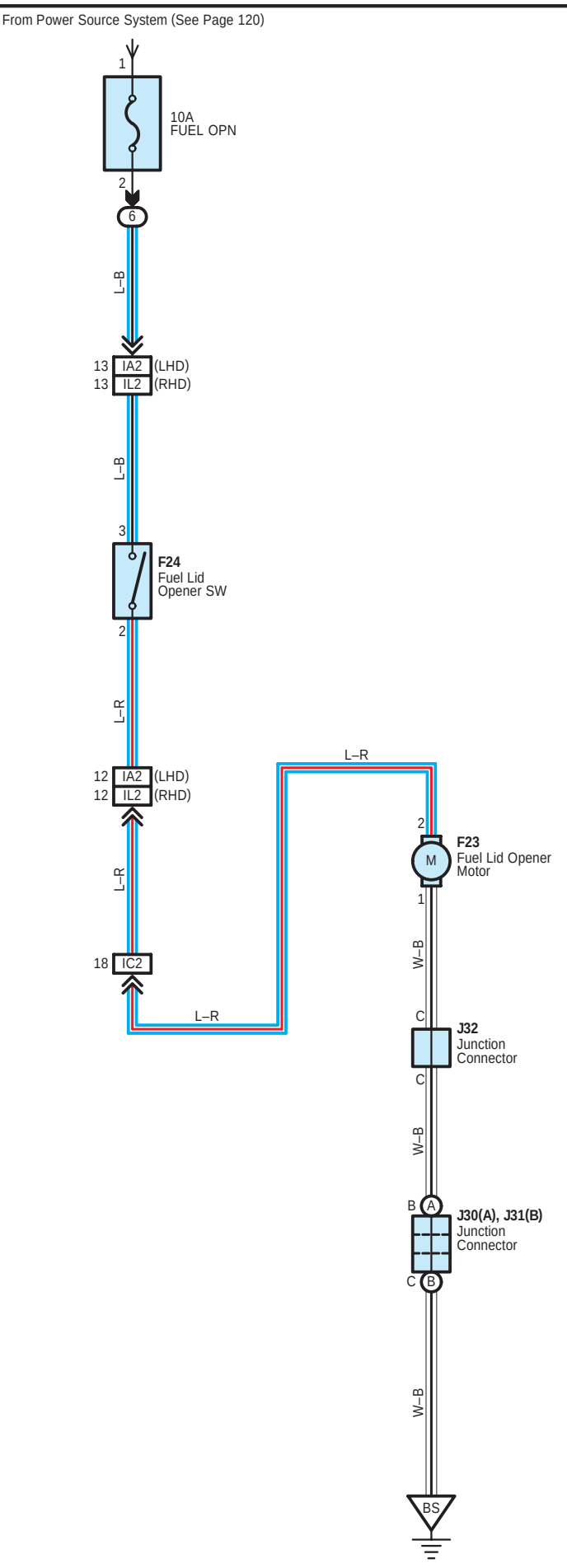

From Power Source System (See Page 120)
10A
GAUGE1
15A
STOP
7 DB
22 DA
R–W
R–W (LHD)
R–W (RHD)
11 IE3
2 IR1
R–W (LHD)
R–W (RHD)
2
7 CA
4 CF
S13
Stop Light SW
1
G–W (LHD)
G–W (RHD)
6 IE3
1 IR1
G–W (LHD)
G–W (RHD)
2 DA
1 DB
G–W
R–W
1
7
IG
STP
E
SLS+
SLS–
8
W–B
Shift Lock
Solenoid
S 9
Shift Lock Control ECU
A
J17
Junction
Connector
A
W–B (LHD)
W–B (RHD)
A
J15
Junction Connector
IP
IK

http://vnx.su


From Power Source System (See Page 120)
1
15A
HORN
2
1
W
W
2
2
1
5
HORN
Relay
2
3
2
2
G
G–W
G
13 IE1 (LHD)
20 IE1 (RHD)
G
(RHD)
D
B
J26(A), J27(B)
Junction
Connector
B
A
G
(LHD)
G
(RHD)
G–W
G–W
1
C14
Combination SW
Horn SW
1
H11
Horn LH
1
H12
Horn RH

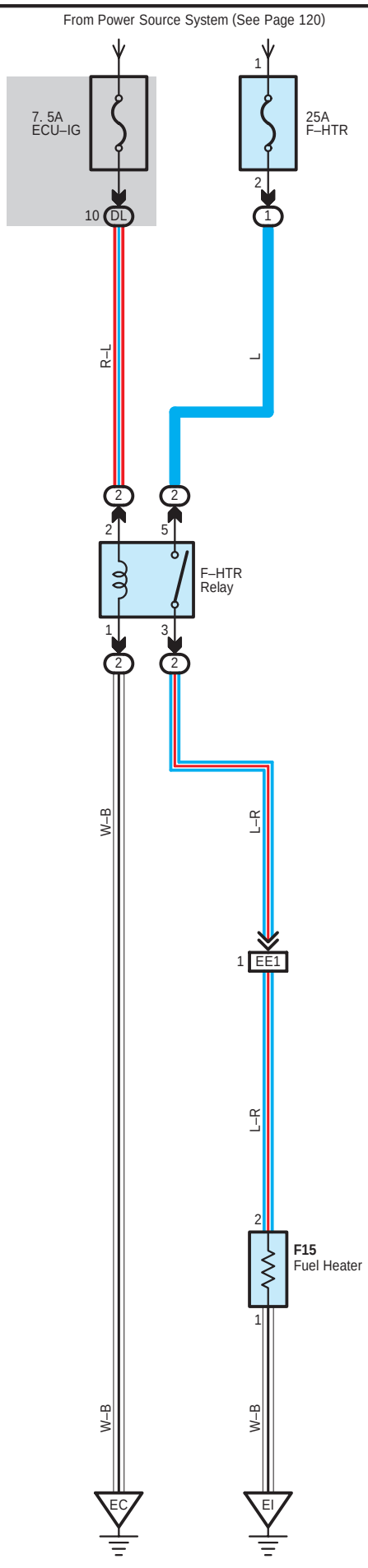
http://vnx.su

Fuel Lid Opener

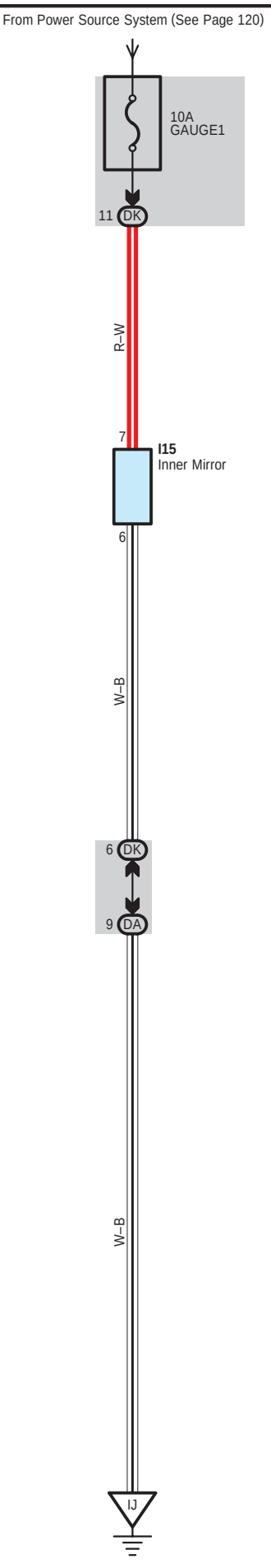


http://vnx.su

Fuel Heater

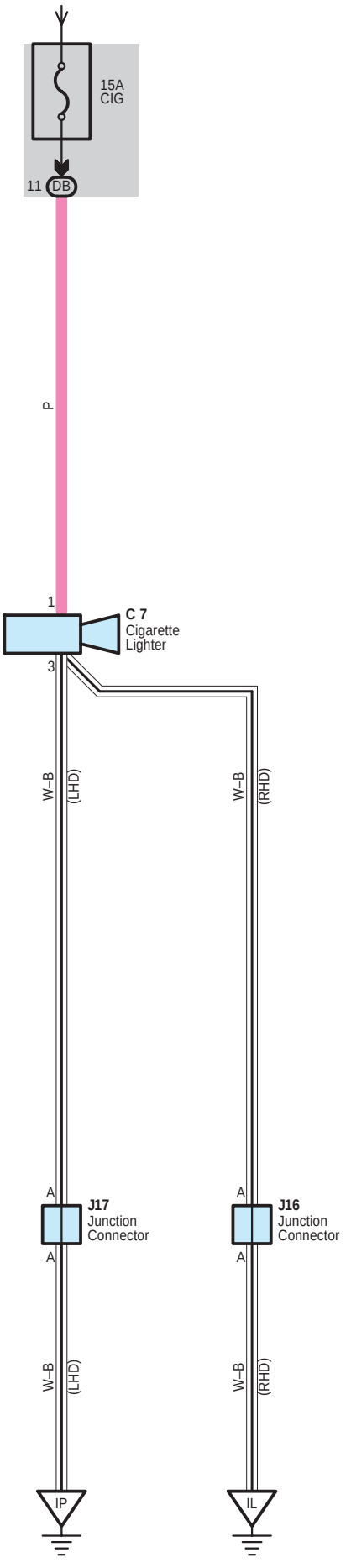


http://vnx.su

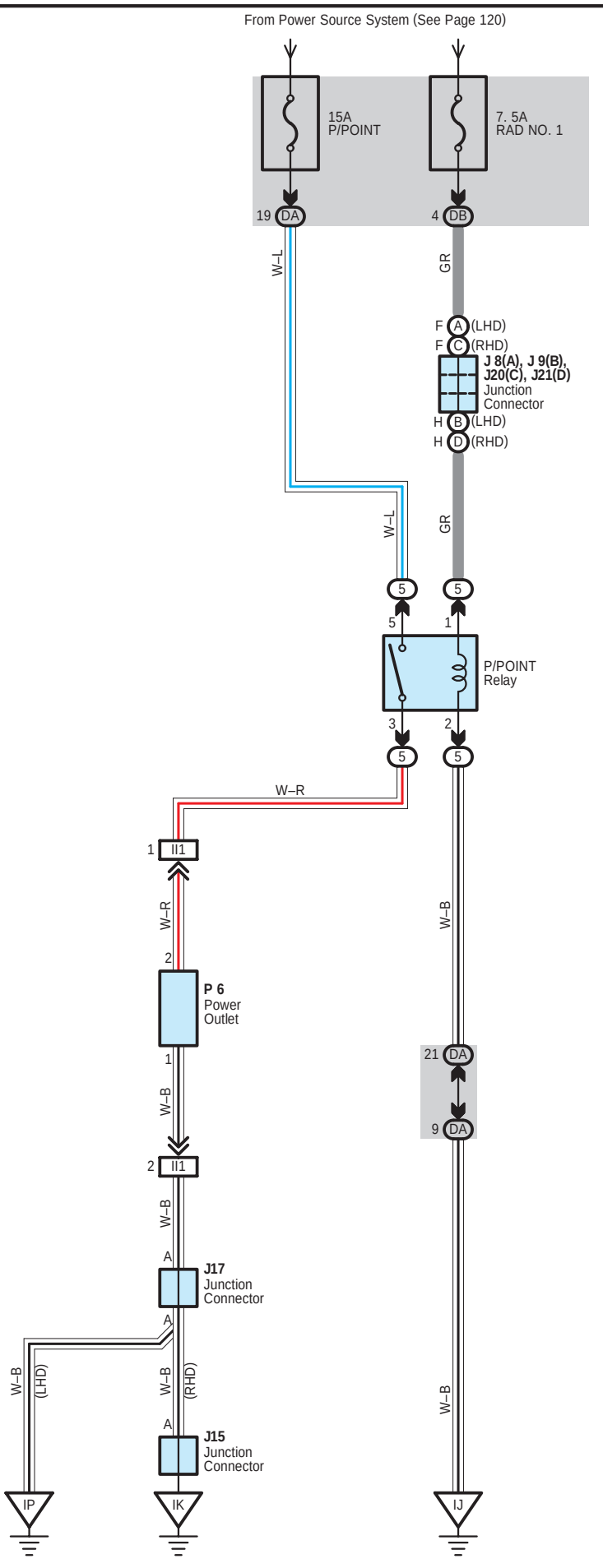

From Power Source System (See Page 120)
10A
GAUGE1
11
DK
R–W
7
I15
Inner Mirror
6
W–B
6
DK
9
DA
W–B
IJ

http://vnx.su

From Power Source System (See Page 120)

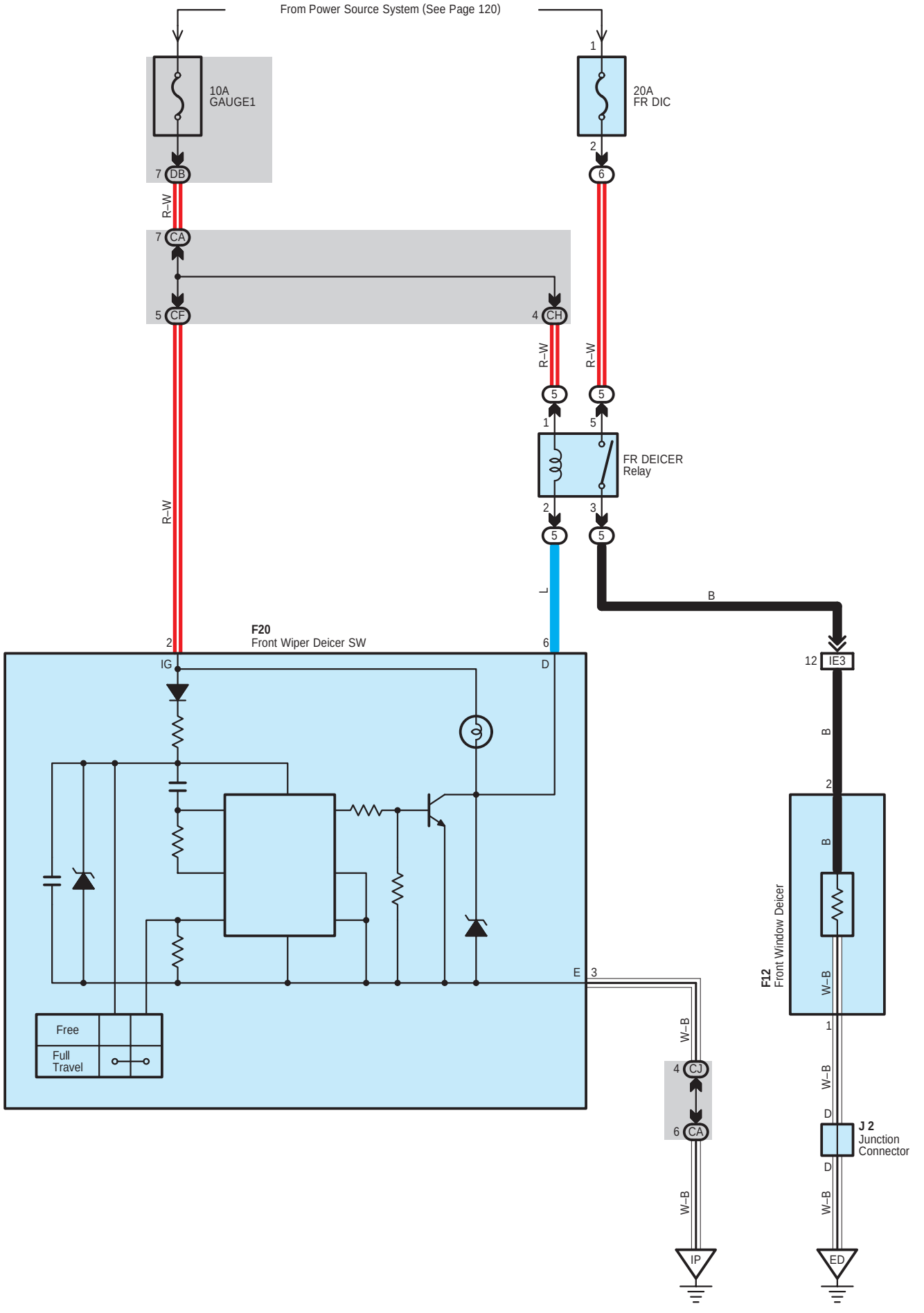


http://vnx.su

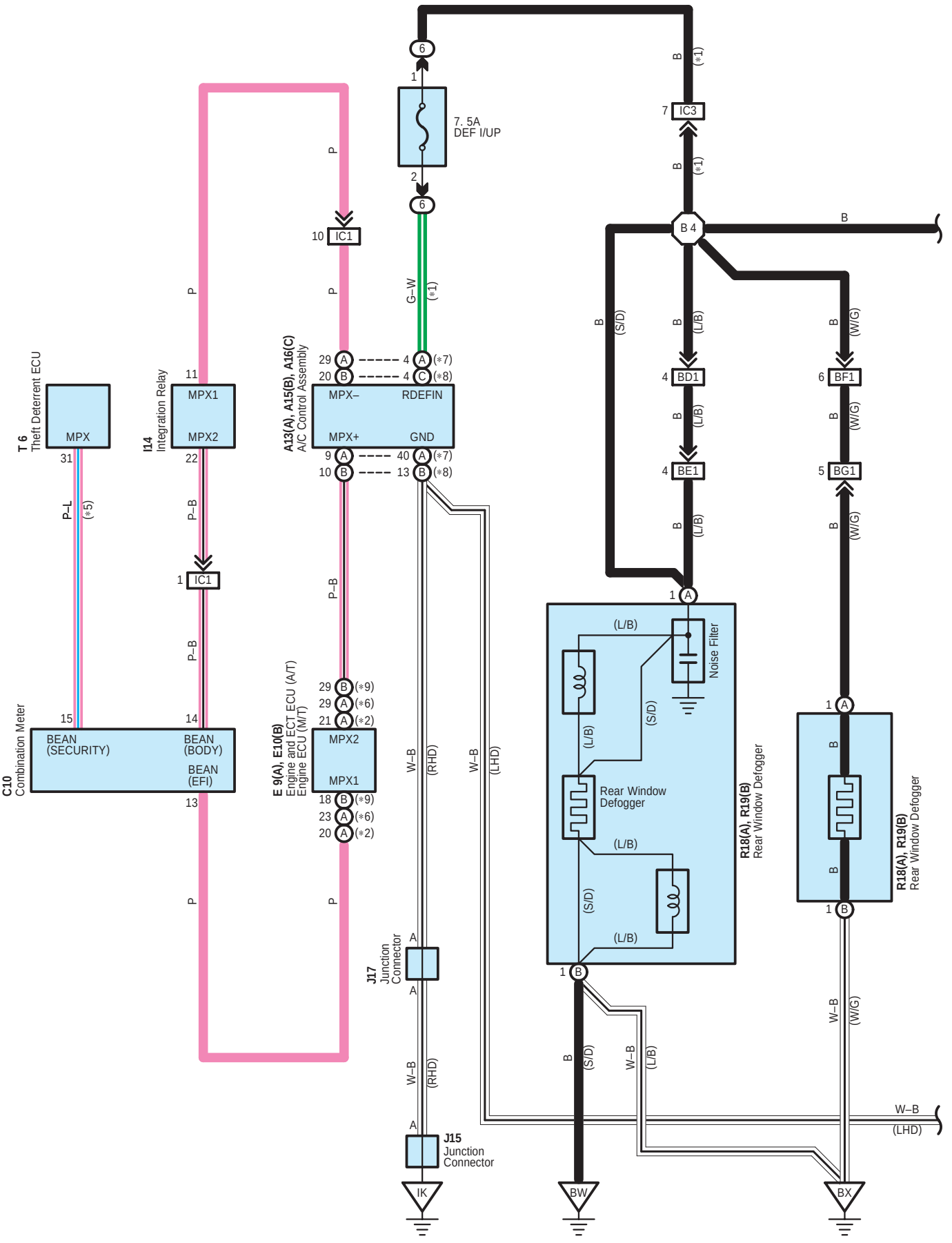

From Power Source System (See Page 120)
15A
P/POINT
7. 5A
RAD NO. 1
19 DA
4 DB
W–L
GR
F A (LHD)
F C (RHD)
J 8(A), J 9(B),
J20(C), J21(D)
Junction
Connector
H B (LHD)
H D (RHD)
W–L
GR
5
5
5
1
P/POINT
Relay
3
2
5
5
W–R
1 II1
W–R
2
P 6
Power
Outlet
1
W–B
2 II1
W–B
A
J17
Junction
Connector
A
W–B (LHD)
W–B (RHD)
A
J15
Junction
Connector
IP
IK
W–B
21 DA
9 DA
W–B
IJ

http://vnx.su

Front Window Deicer

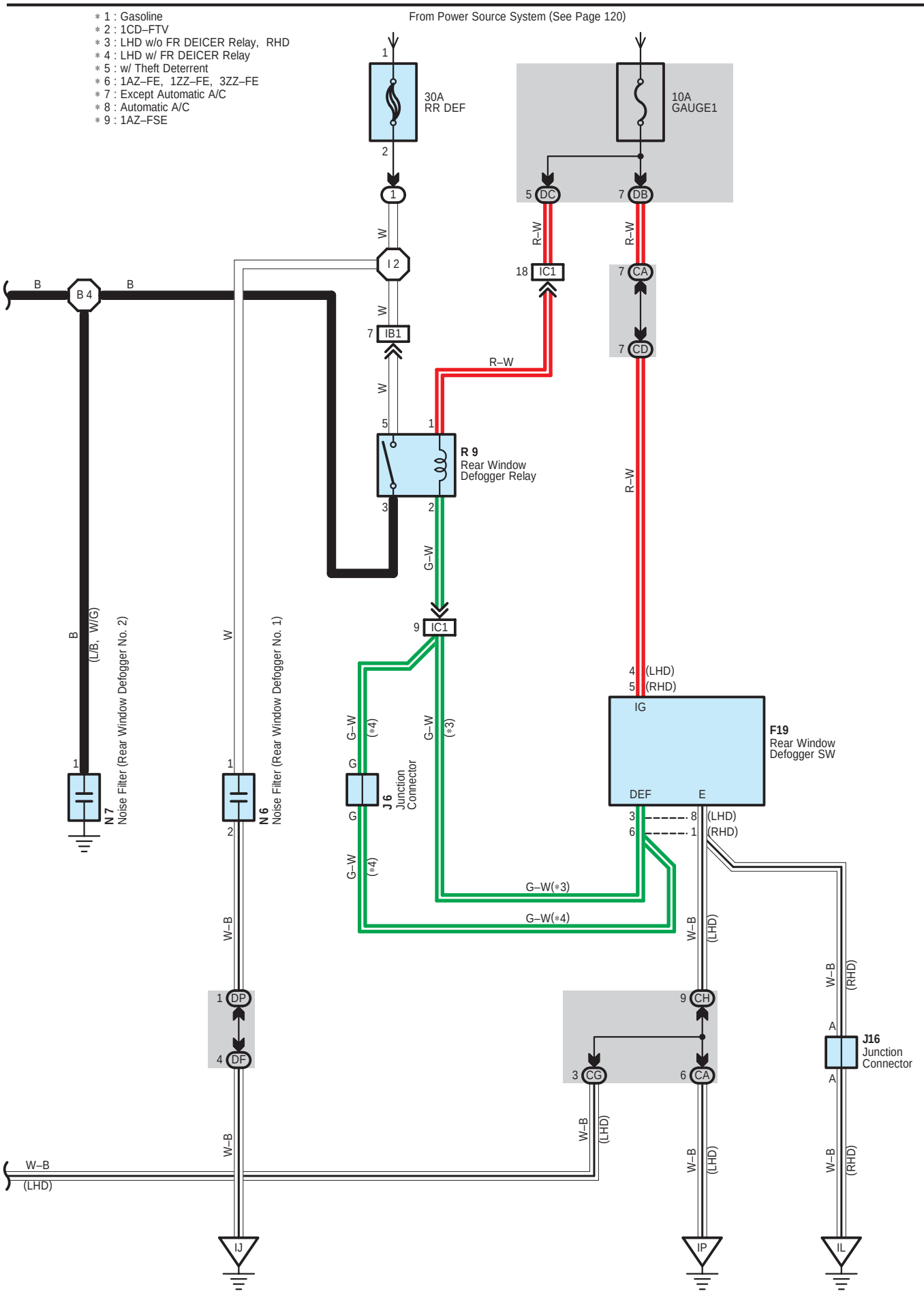


http://vnx.su


7. 5A
DEF I/UP
IC3
B 4
BD1
BE1
BF1
BG1
IC1
T 6
Theft Deterrent ECU
MPX
I14
Integration Relay
MPX1
MPX2
A13(A), A15(B), A16(C)
A/C Control Assembly
MPX–
RDEFIN
MPX+
GND
C10
Combination Meter
BEAN (SECURITY)
BEAN (BODY)
BEAN (EFI)
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
MPX2
MPX1
J17
Junction Connector
J15
Junction Connector
Noise Filter
Rear Window Defogger
R18(A), R19(B)
Rear Window Defogger
IK
BW
BX

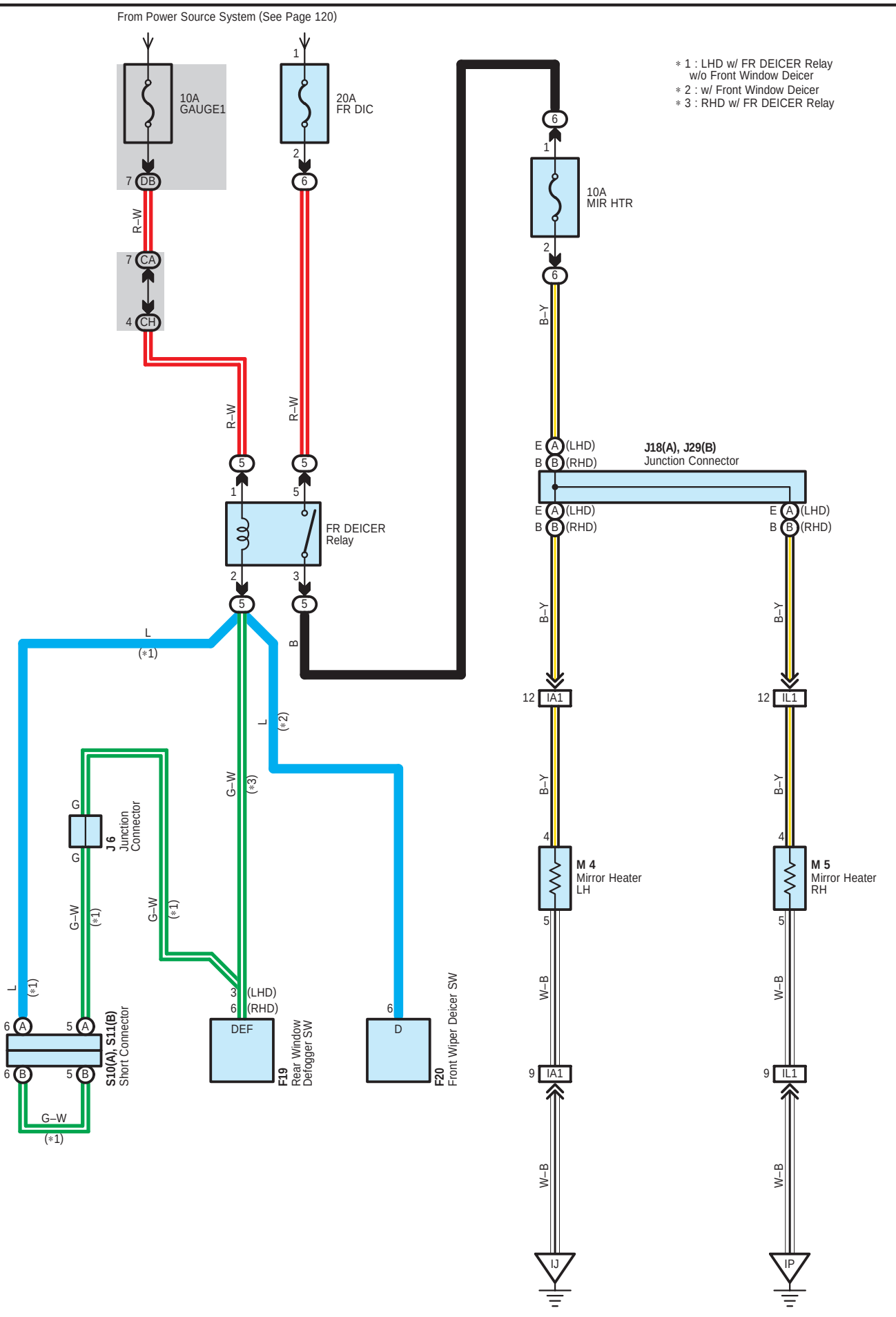
http://vnx.su

∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : LHD w/o FR DEICER Relay, RHD
∗ 4 : LHD w/ FR DEICER Relay
∗ 5 : w/ Theft Deterrent
∗ 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗ 7 : Except Automatic A/C
∗ 8 : Automatic A/C
∗ 9 : 1AZ–FSE



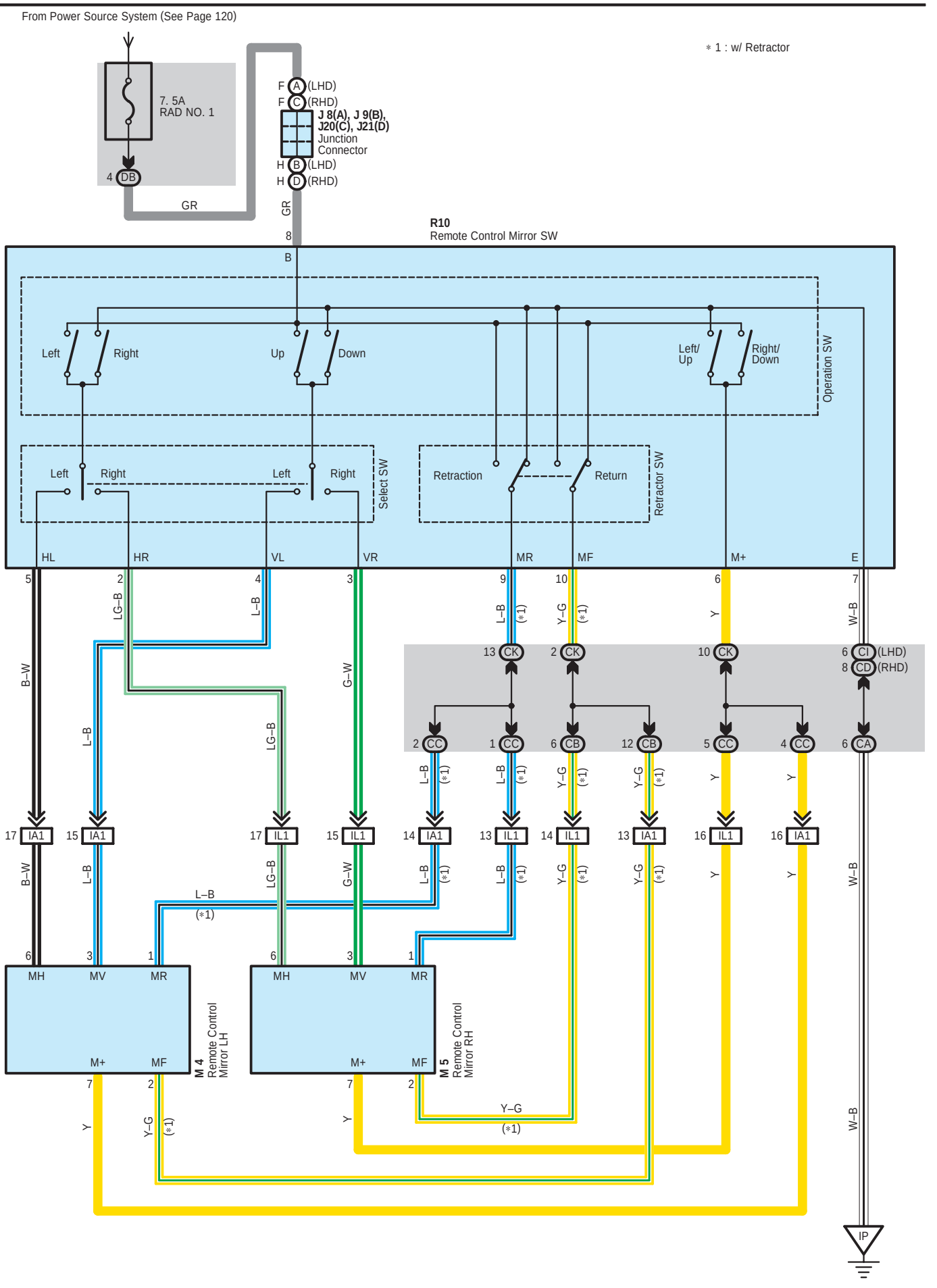
http://vnx.su

Mirror Heater



http://vnx.su

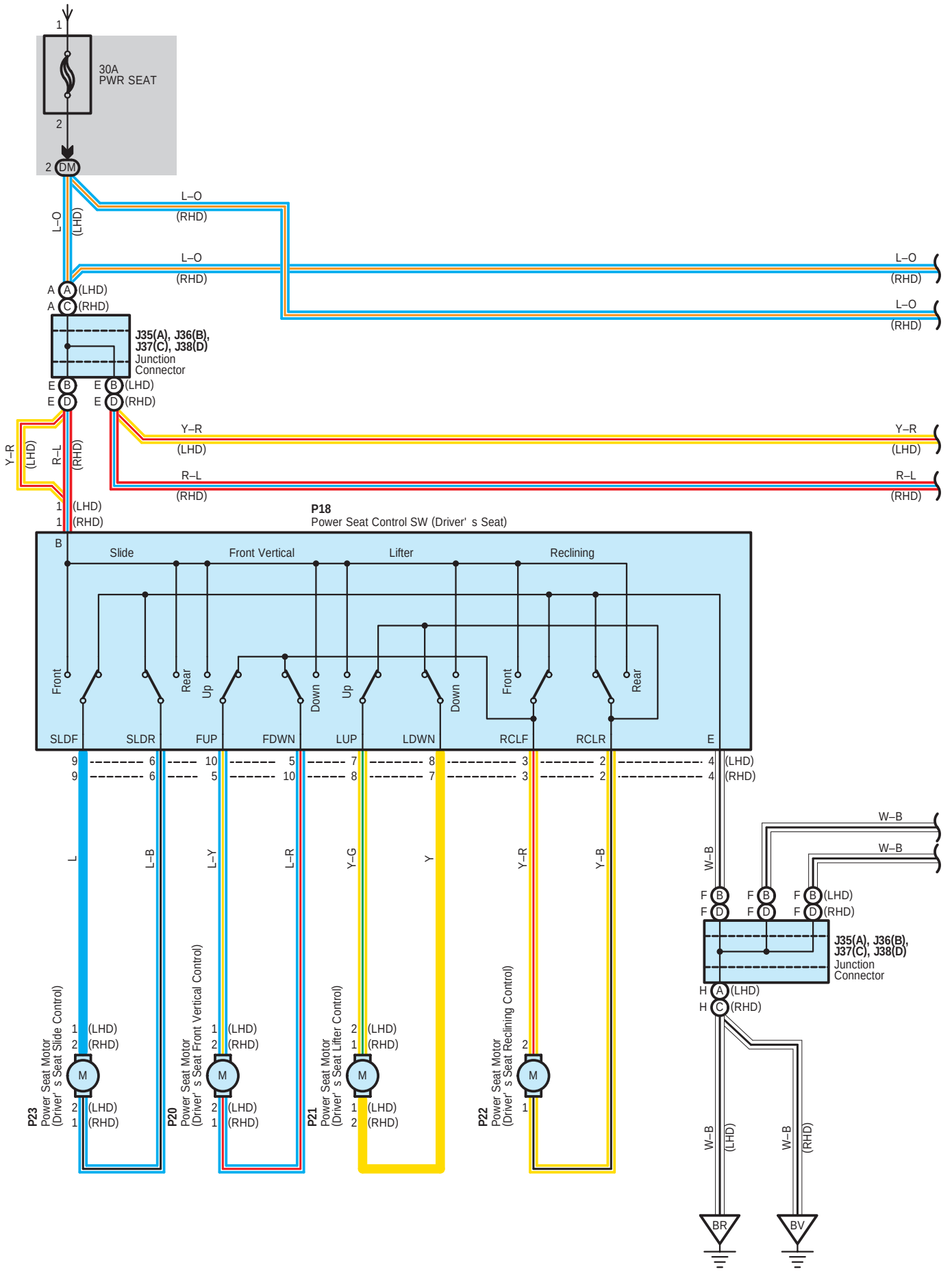
Remote Control Mirror



http://vnx.su

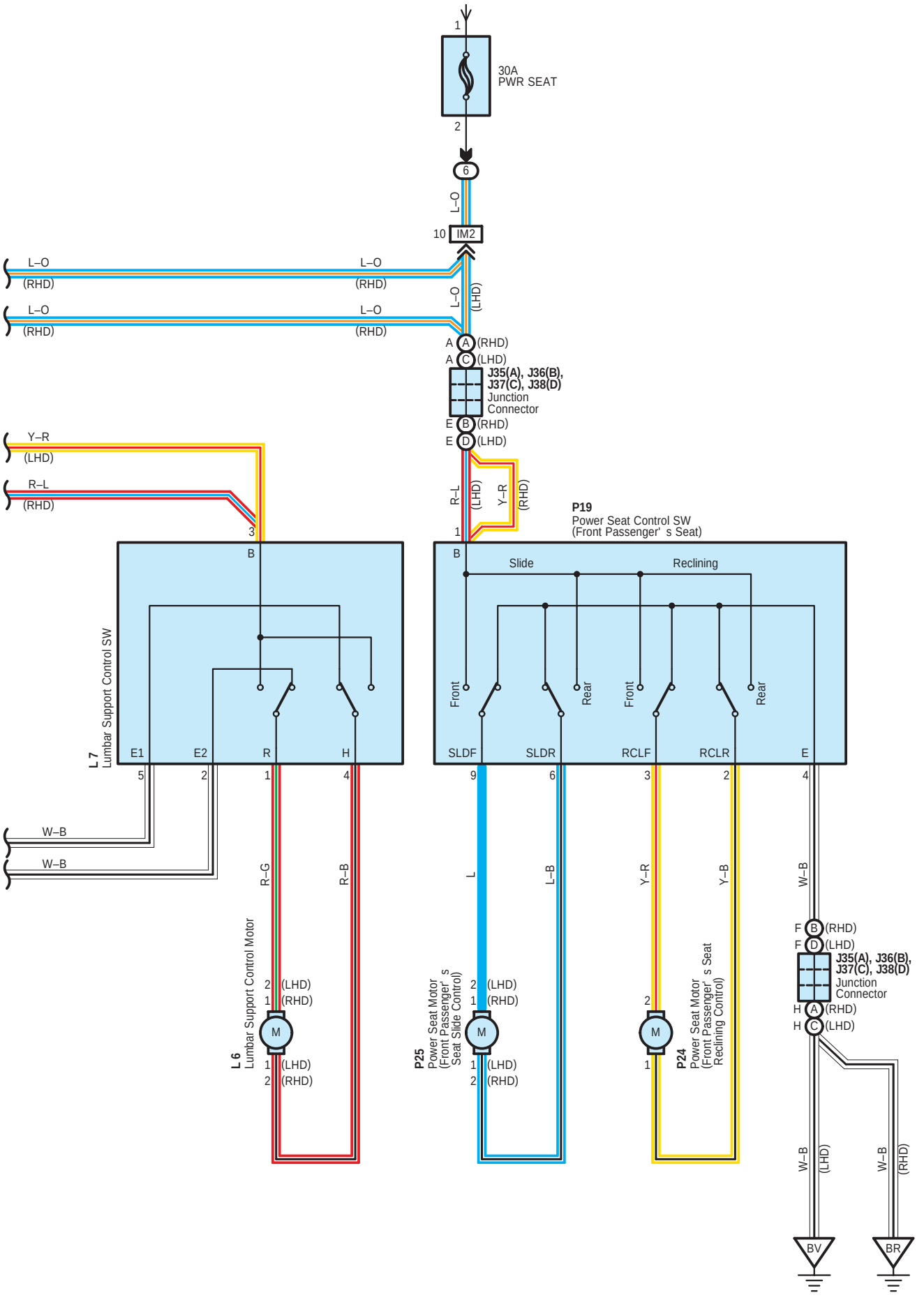
Power Seat

From Power Source System (See Page 120)



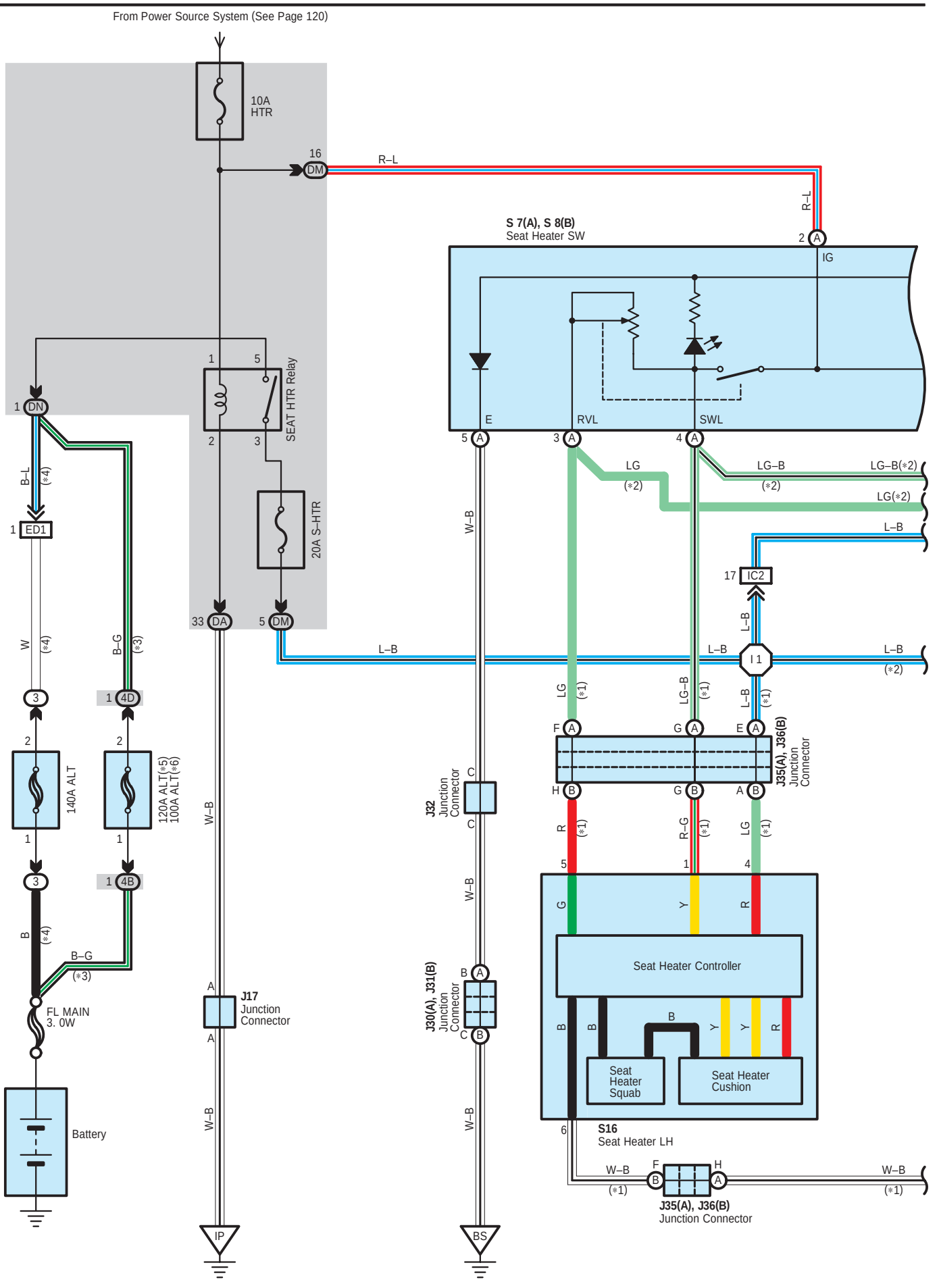
http://vnx.su

From Power Source System (See Page 120)



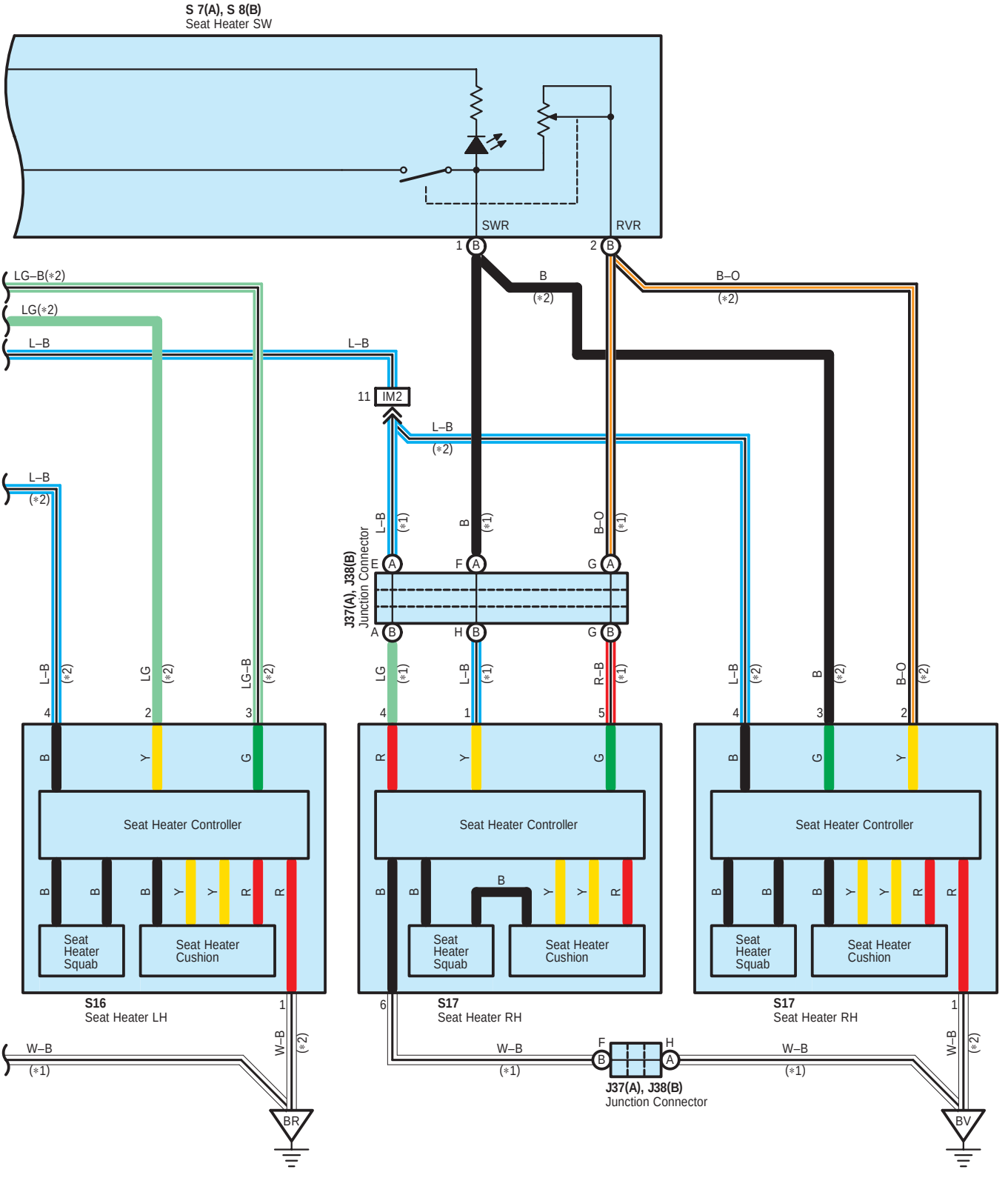
http://vnx.su

Seat Heater



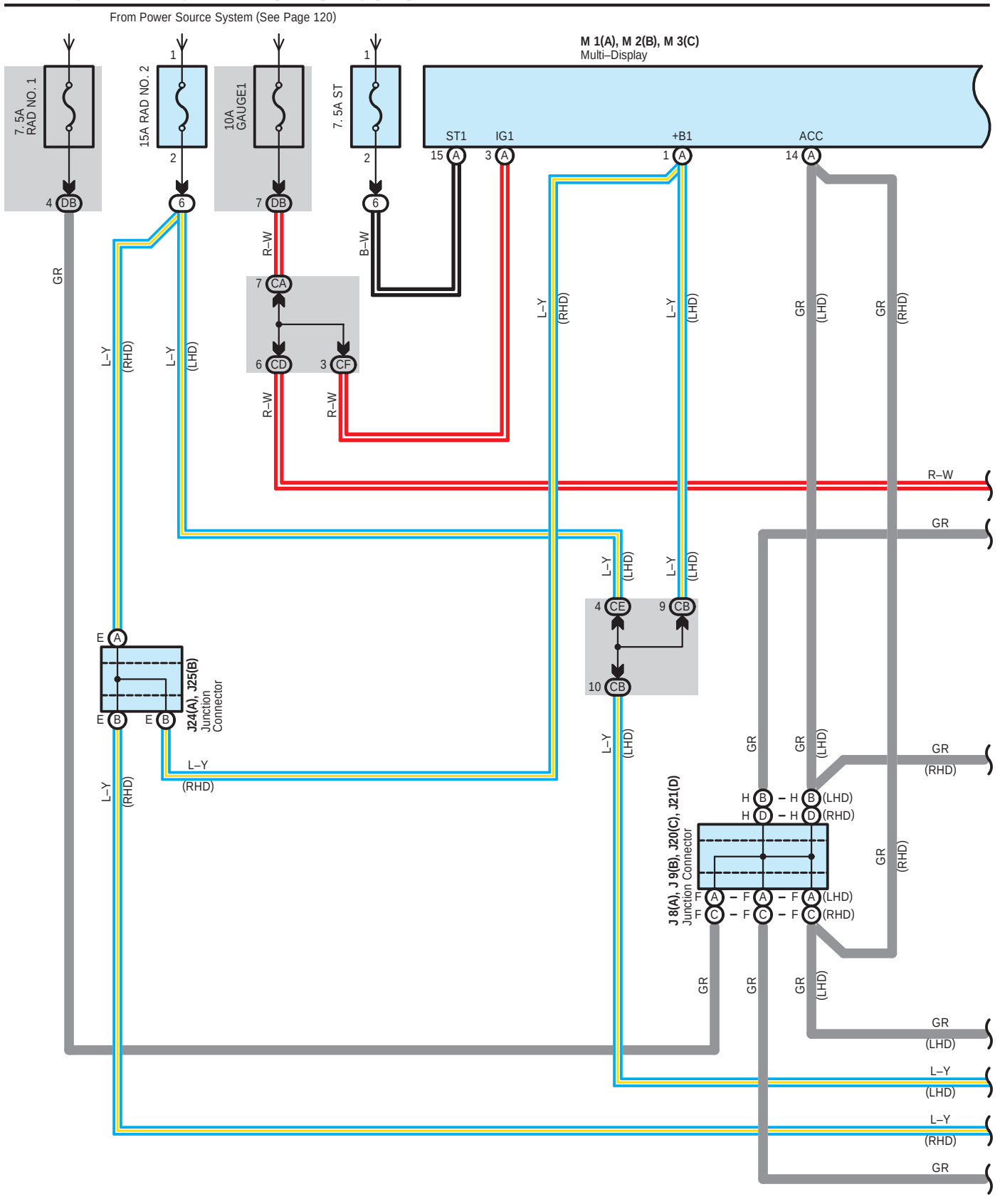
http://vnx.su

∗ 1 : w/ Power Seat
∗ 2 : w/o Power Seat
∗ 3 : Gasoline
∗ 4 : 1CD–FTV
∗ 5 : 1AZ–FSE, 1AZ–FE
∗ 6 : 1ZZ–FE, 3ZZ–FE

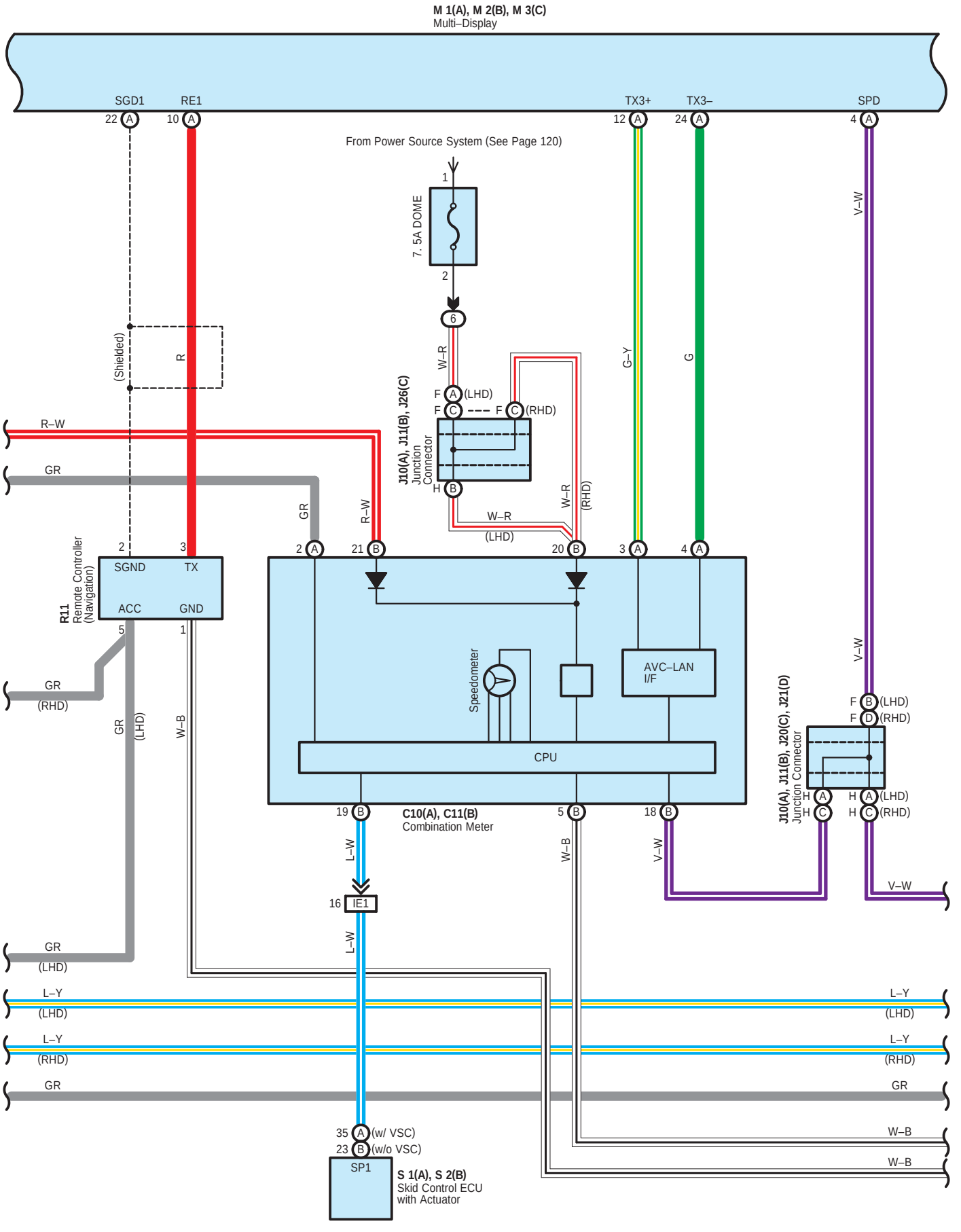


http://vnx.su

Navigation System (Map Type)

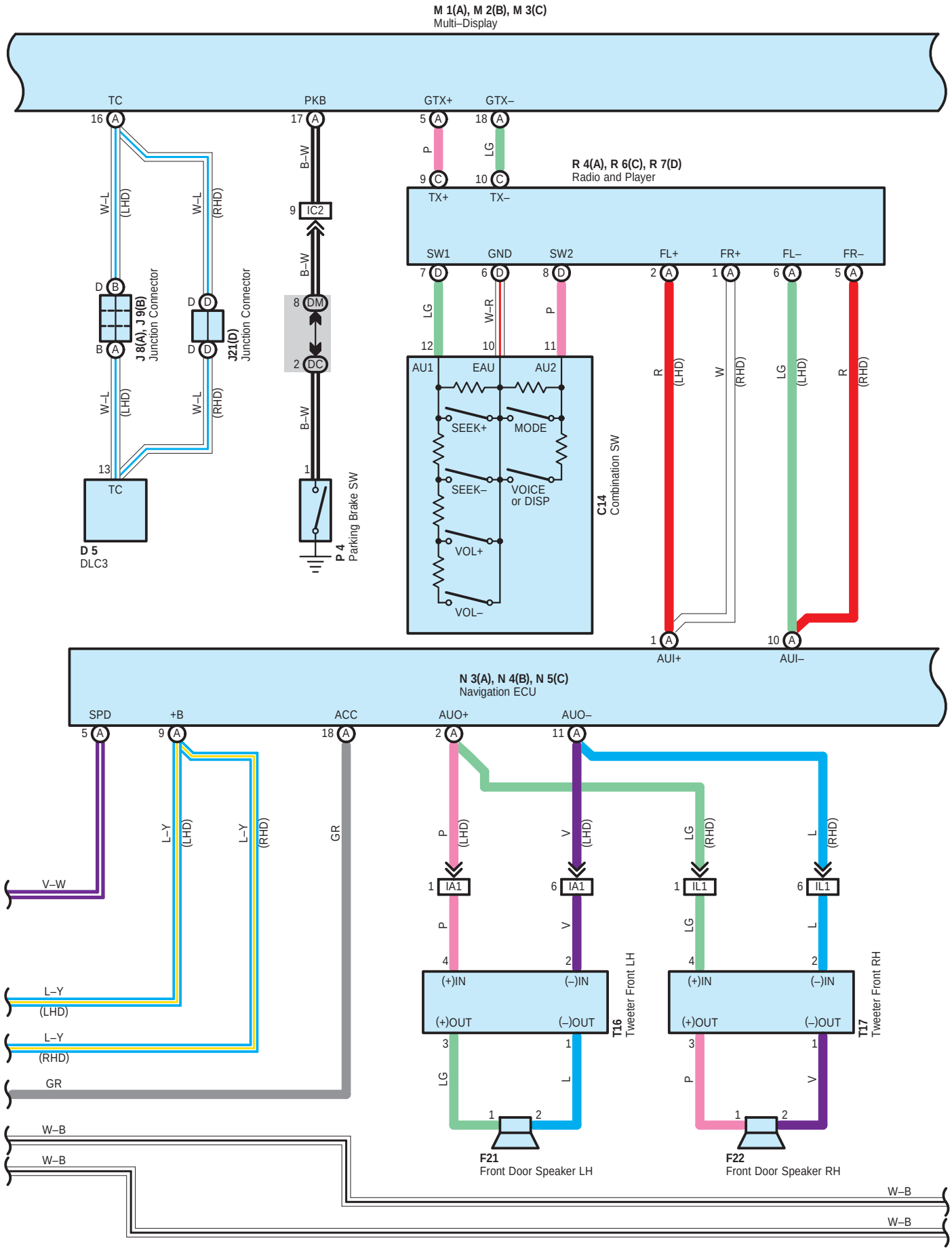


http://vnx.su


M 1(A), M 2(B), M 3(C)
Multi–Display
SGD1
RE1
TX3+
TX3–
SPD
From Power Source System (See Page 120)
7. 5A DOME
(Shielded)
R
R–W
GR
W–R
G–Y
G
V–W
J10(A), J11(B), J26(C)
Junction Connector
(LHD)
(RHD)
R11
Remote Controller
(Navigation)
SGND
TX
ACC
GND
Speedometer
AVC–LAN
I/F
CPU
J10(A), J11(B), J20(C), J21(D)
Junction Connector
C10(A), C11(B)
Combination Meter
L–W
W–B
V–W
IE1
L–Y
GR
(w/ VSC)
(w/o VSC)
SP1
S 1(A), S 2(B)
Skid Control ECU
with Actuator

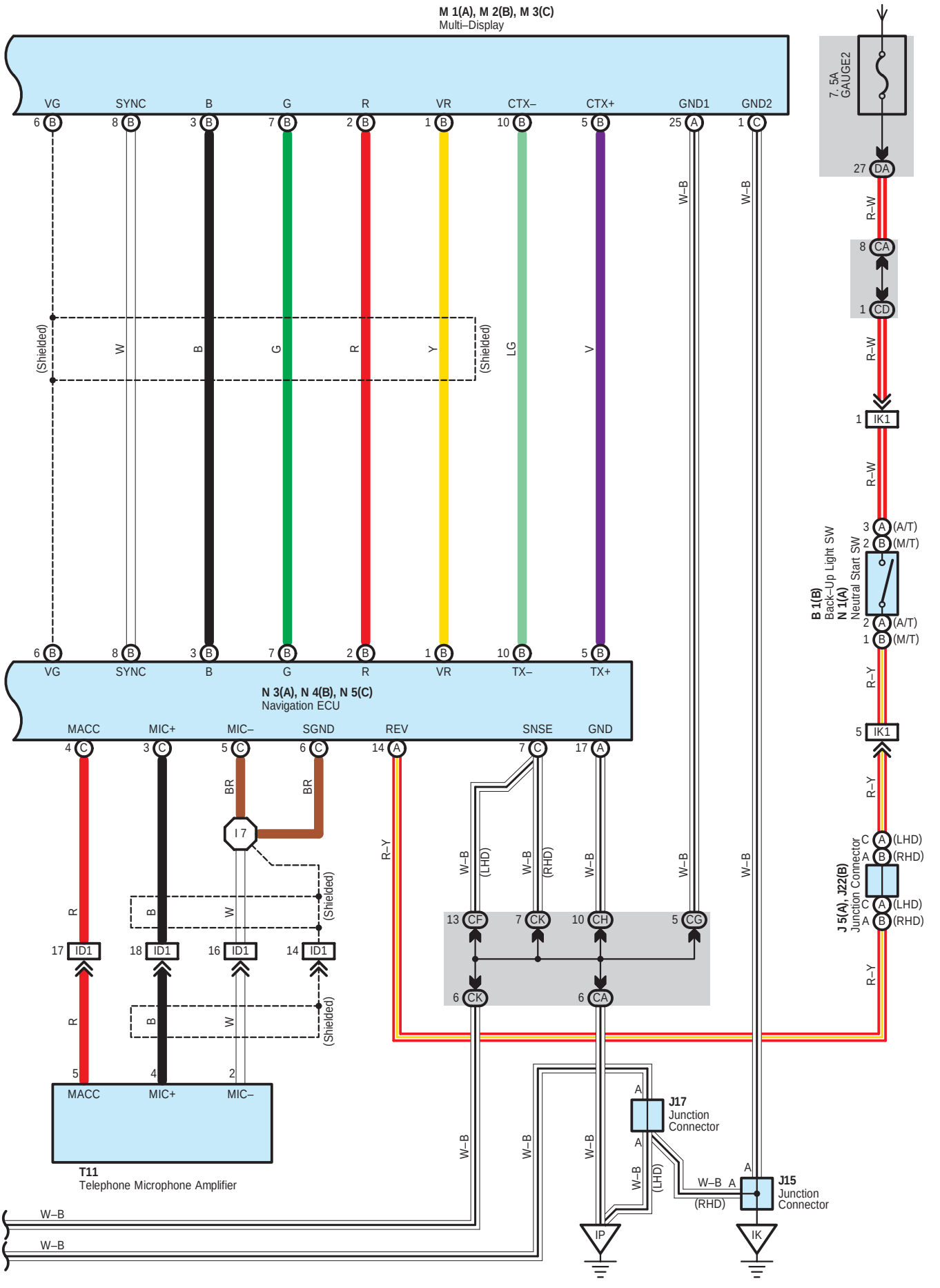
http://vnx.su

Navigation System (Map Type)



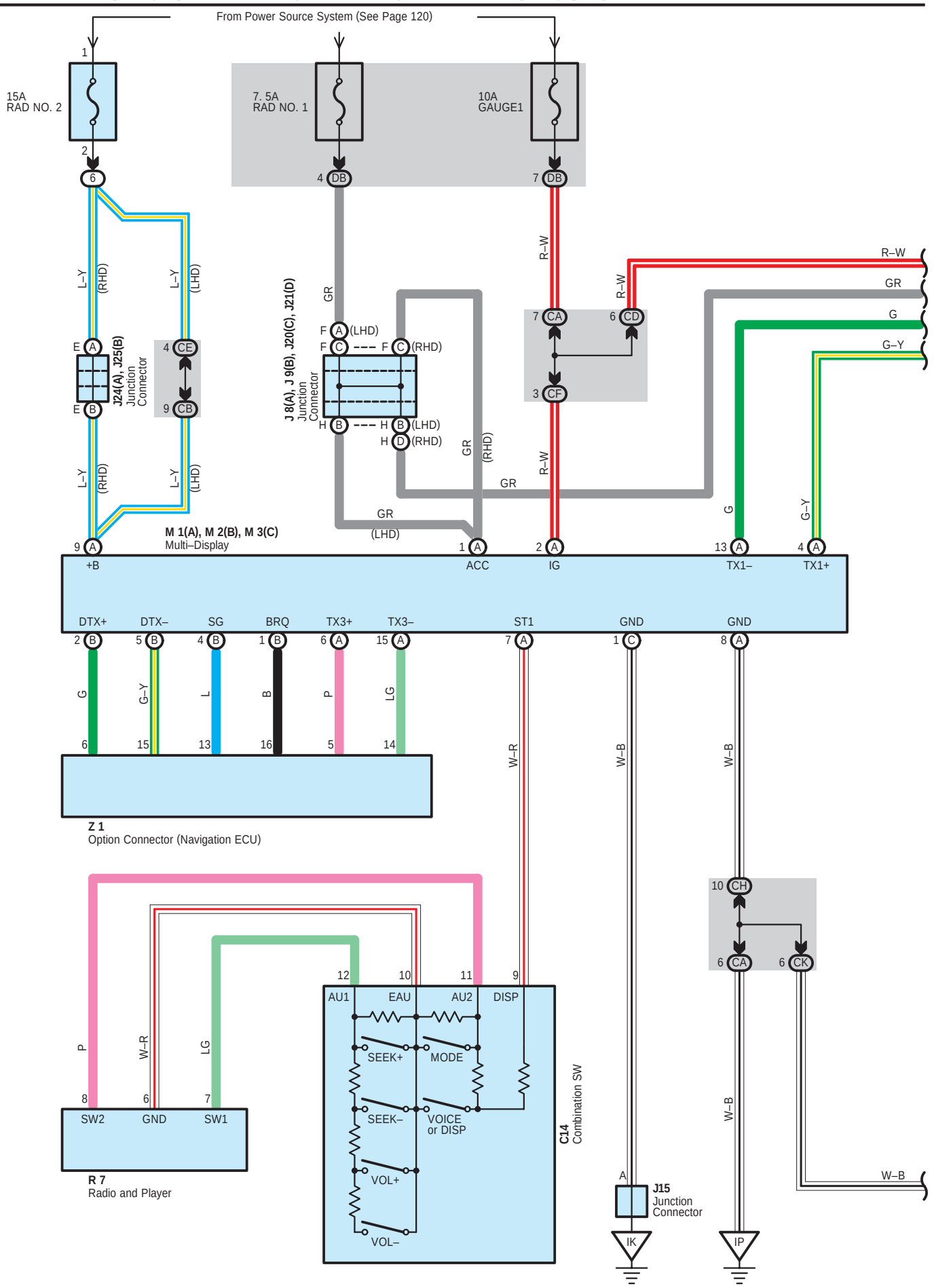
http://vnx.su

From Power Source System (See Page 120)



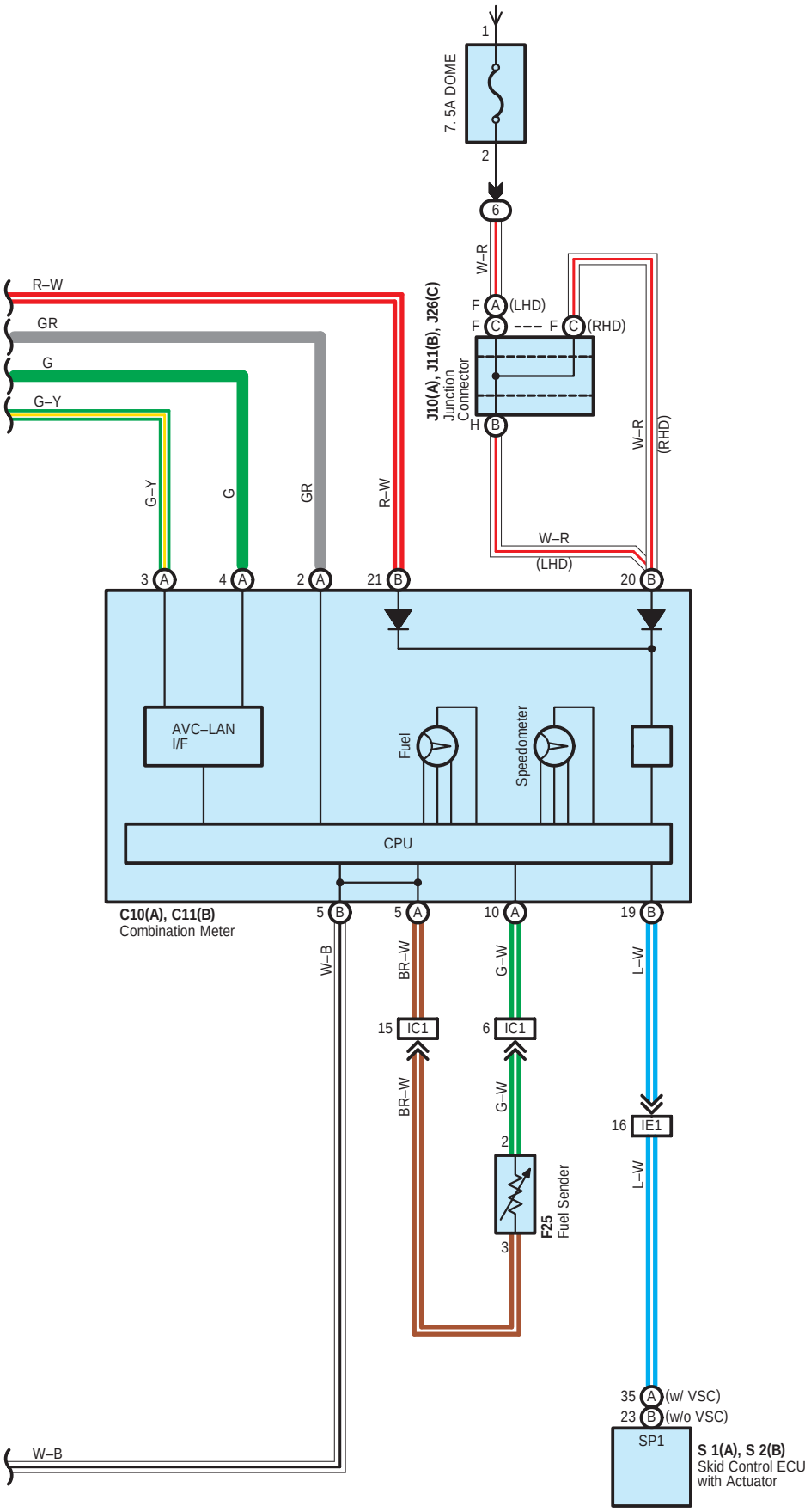
http://vnx.su

Multi–Display (w/o Navigation System Map Type)



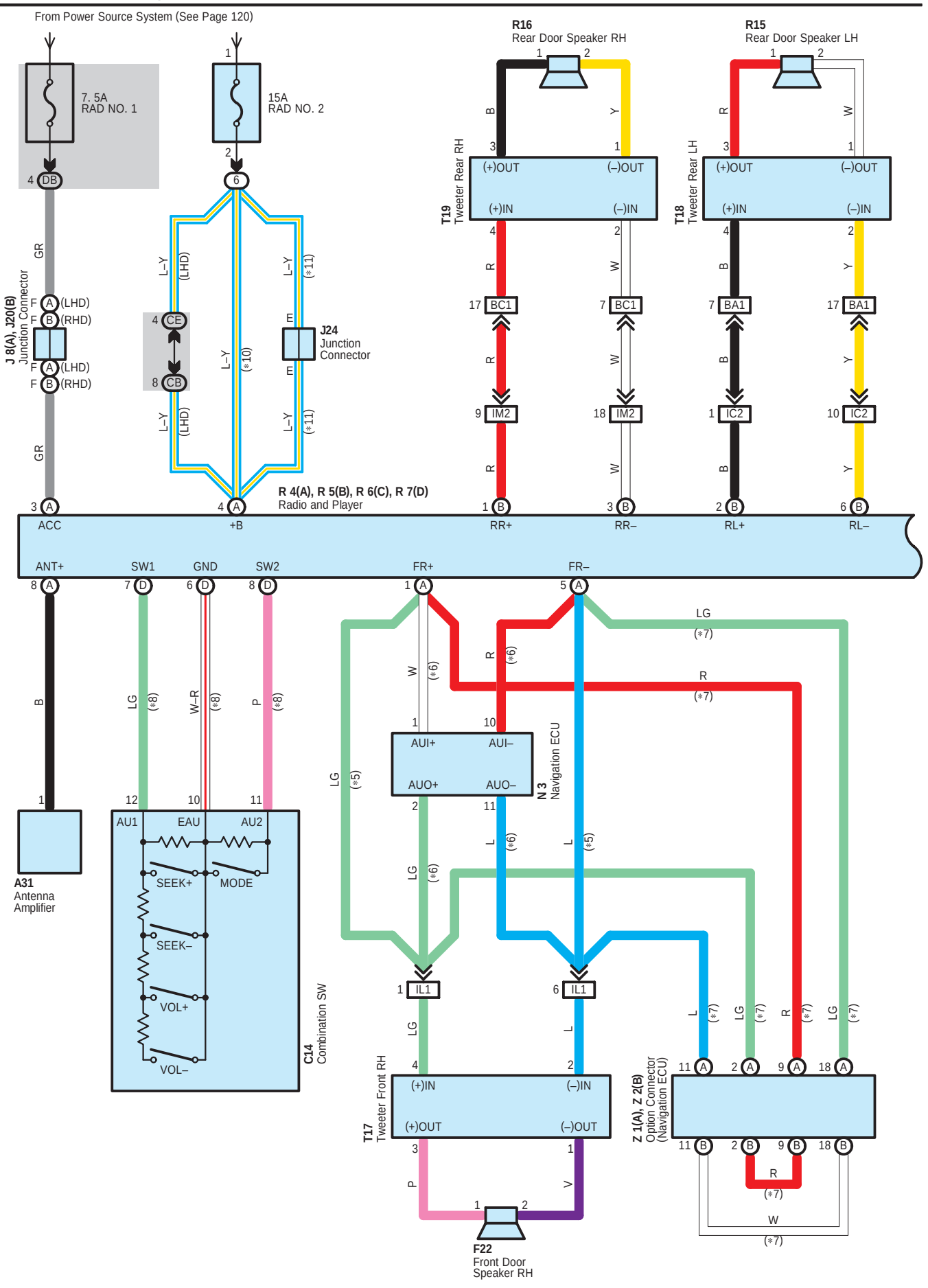
http://vnx.su

From Power Source System (See Page 120)



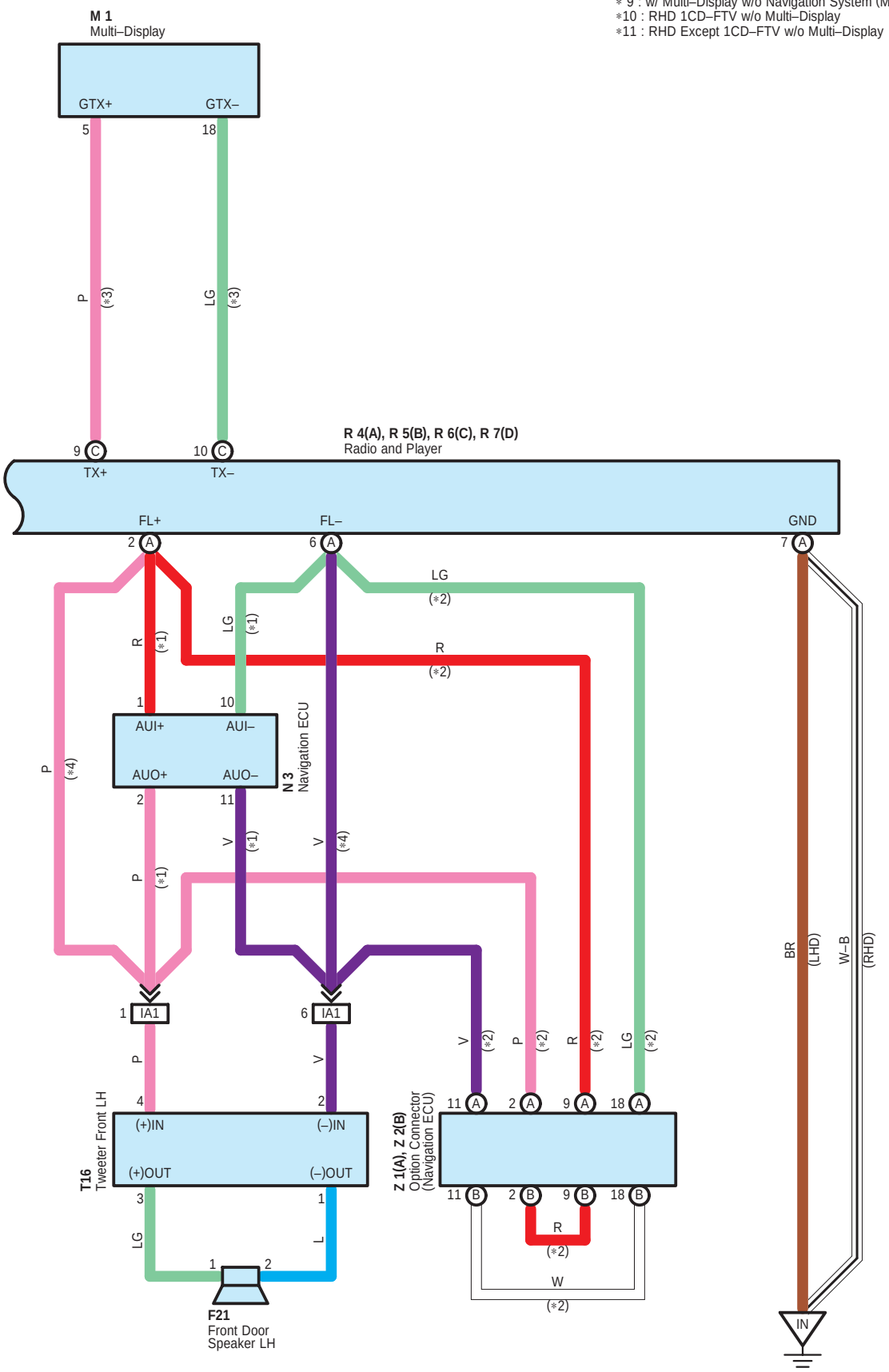
http://vnx.su

Radio and Player



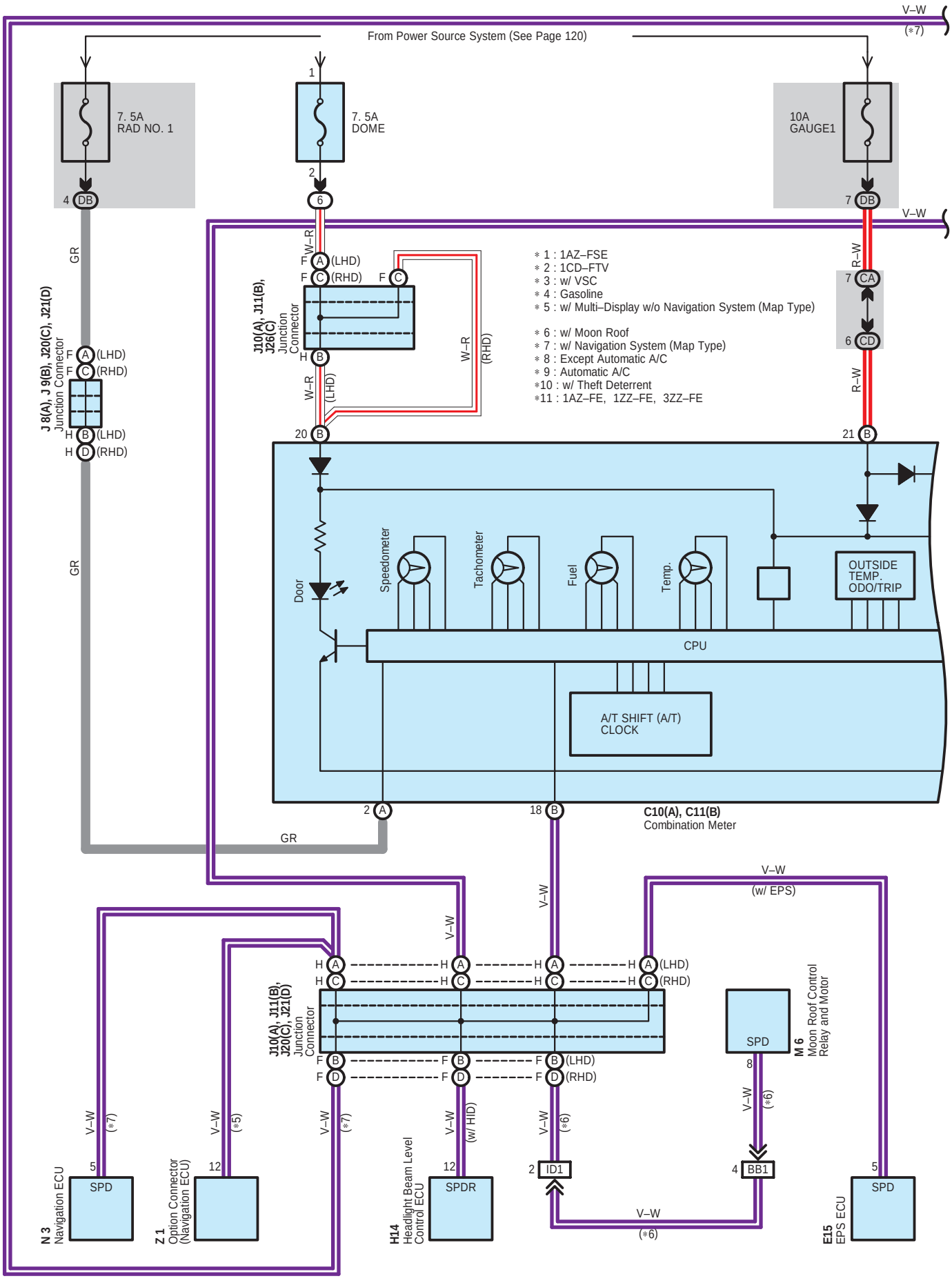
http://vnx.su

∗ 1 : LHD ∗3
∗ 2 : LHD ∗9
∗ 3 : w/ Navigation System (Map Type)
∗ 4 : RHD, LHD w/o Multi–Display
∗ 5 : LHD, RHD w/o Multi–Display
∗ 6 : RHD ∗3
∗ 7 : RHD ∗9
∗ 8 : w/ Steering SW
∗ 9 : w/ Multi–Display w/o Navigation System (Map Type)
∗10 : RHD 1CD–FTV w/o Multi–Display
∗11 : RHD Except 1CD–FTV w/o Multi–Display

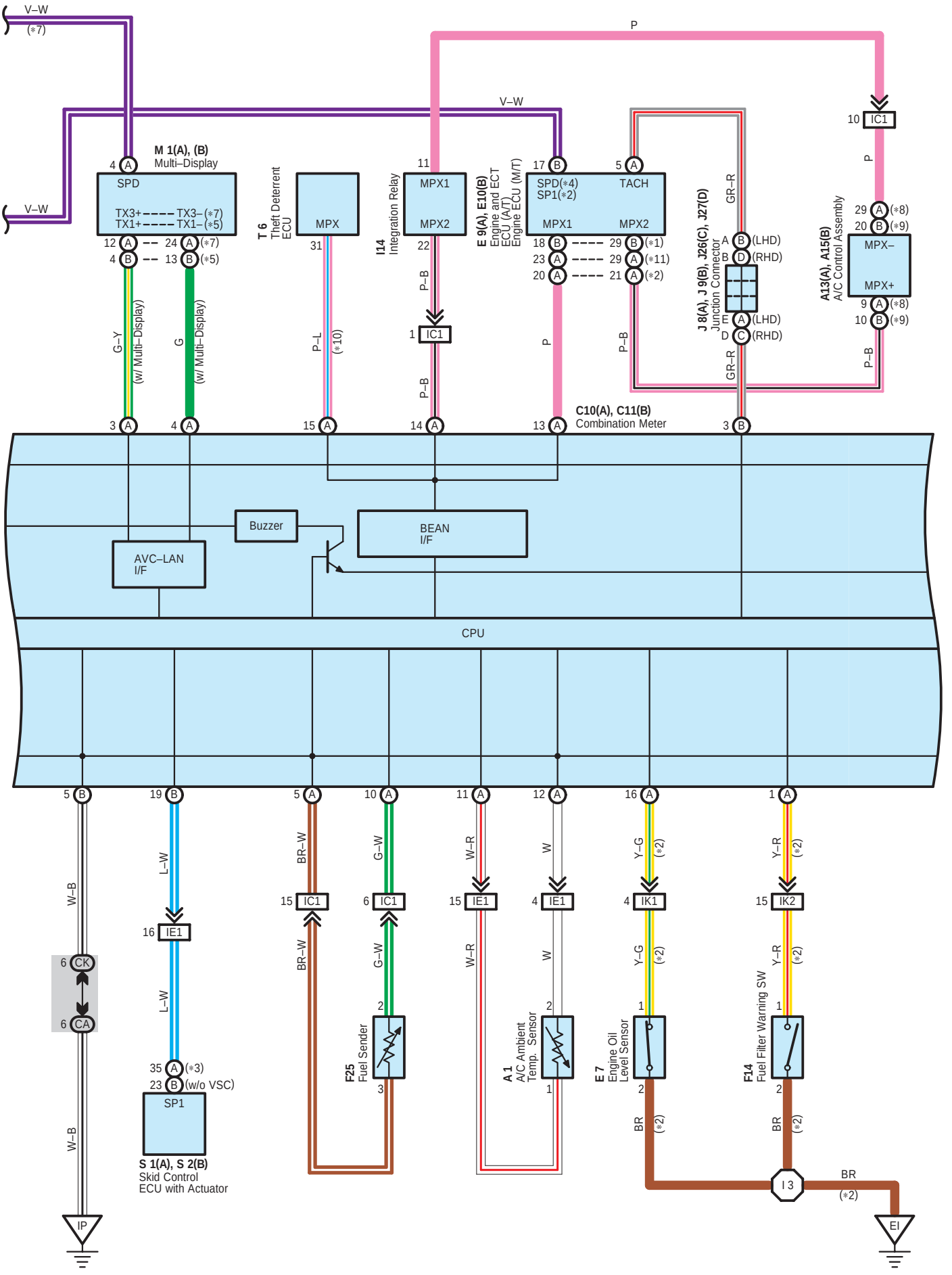


http://vnx.su

Combination Meter

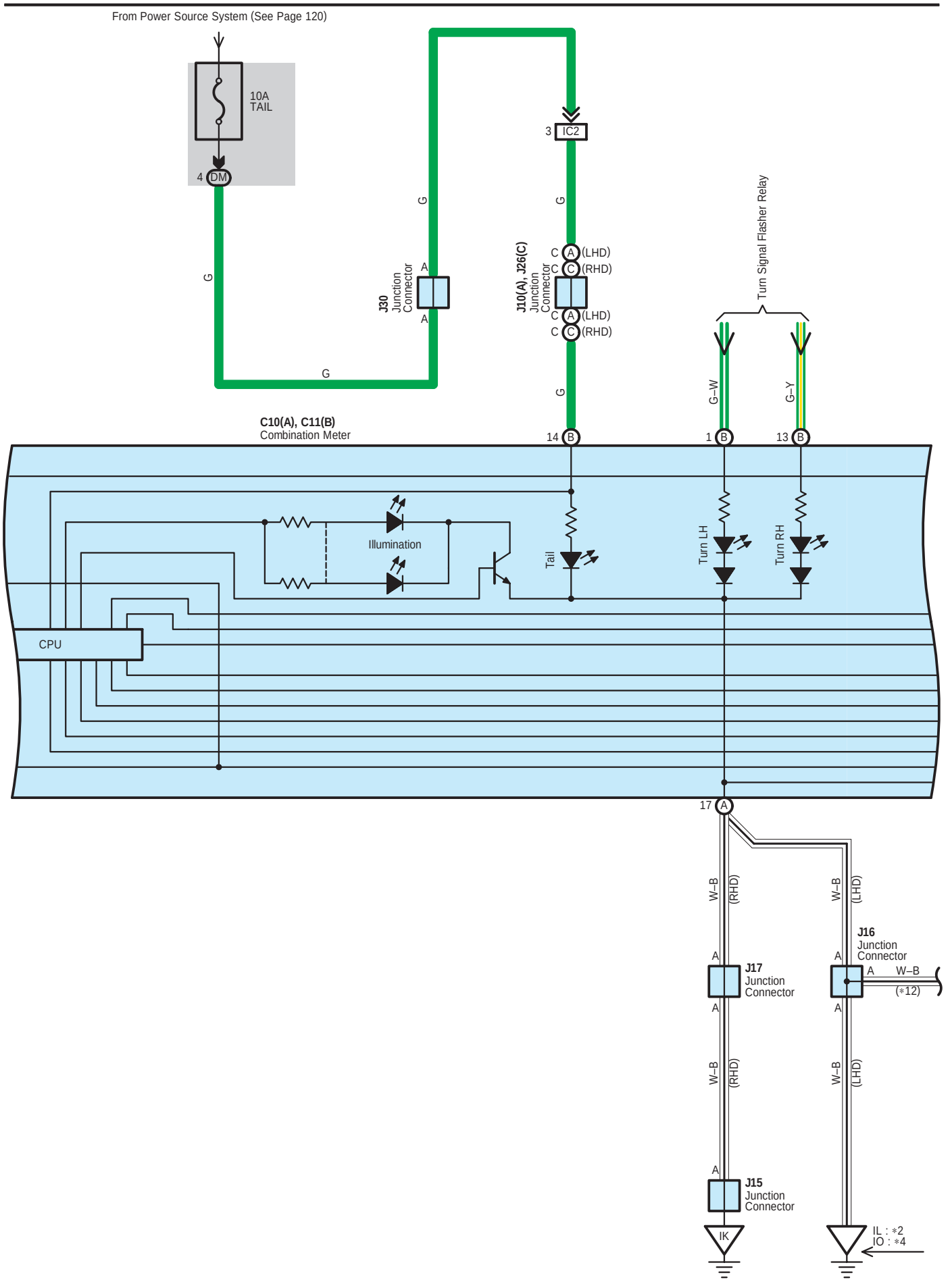


http://vnx.su


V–W
(*7)
P
V–W
V–W
10 IC1
P
M 1(A), (B)
Multi–Display
SPD
TX3+ TX3– (*7)
TX1+ TX1– (*5)
12 A 24 A (*7)
4 B 13 B (*5)
T 6
Theft Deterrent ECU
MPX
31
I14
Integration Relay
11
MPX1
MPX2
22
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
17 B
SPD(*4)
SP1(*2)
MPX1
MPX2
18 B 29 B (*1)
23 A 29 A (*11)
20 A 21 A (*2)
5 A
TACH
GR–R
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
A B (LHD)
B D (RHD)
E A (LHD)
D C (RHD)
A13(A), A15(B)
A/C Control Assembly
29 A (*8)
20 B (*9)
MPX–
MPX+
9 A (*8)
10 B (*9)
G–Y
(w/ Multi–Display)
G
(w/ Multi–Display)
P–L
(*10)
P–B
1 IC1
P–B
P
P–B
GR–R
P–B
3 A
4 A
15 A
14 A
13 A
C10(A), C11(B)
Combination Meter
3 B
Buzzer
BEAN
I/F
AVC–LAN
I/F
CPU
5 B
19 B
5 A
10 A
11 A
12 A
16 A
1 A
W–B
L–W
BR–W
G–W
W–R
W
Y–G
(*2)
Y–R
(*2)
16 IE1
15 IC1
6 IC1
15 IE1
4 IE1
4 IK1
15 IK2
6 CK
6 CA
L–W
BR–W
G–W
W–R
W
Y–G
(*2)
Y–R
(*2)
35 A (*3)
23 B (w/o VSC)
SP1
S 1(A), S 2(B)
Skid Control
ECU with Actuator
F25
Fuel Sender
A 1
A/C Ambient Temp. Sensor
E 7
Engine Oil Level Sensor
F14
Fuel Filter Warning SW
2
3
1
2
BR
(*2)
I 3
BR
(*2)
W–B
IP
EI

http://vnx.su

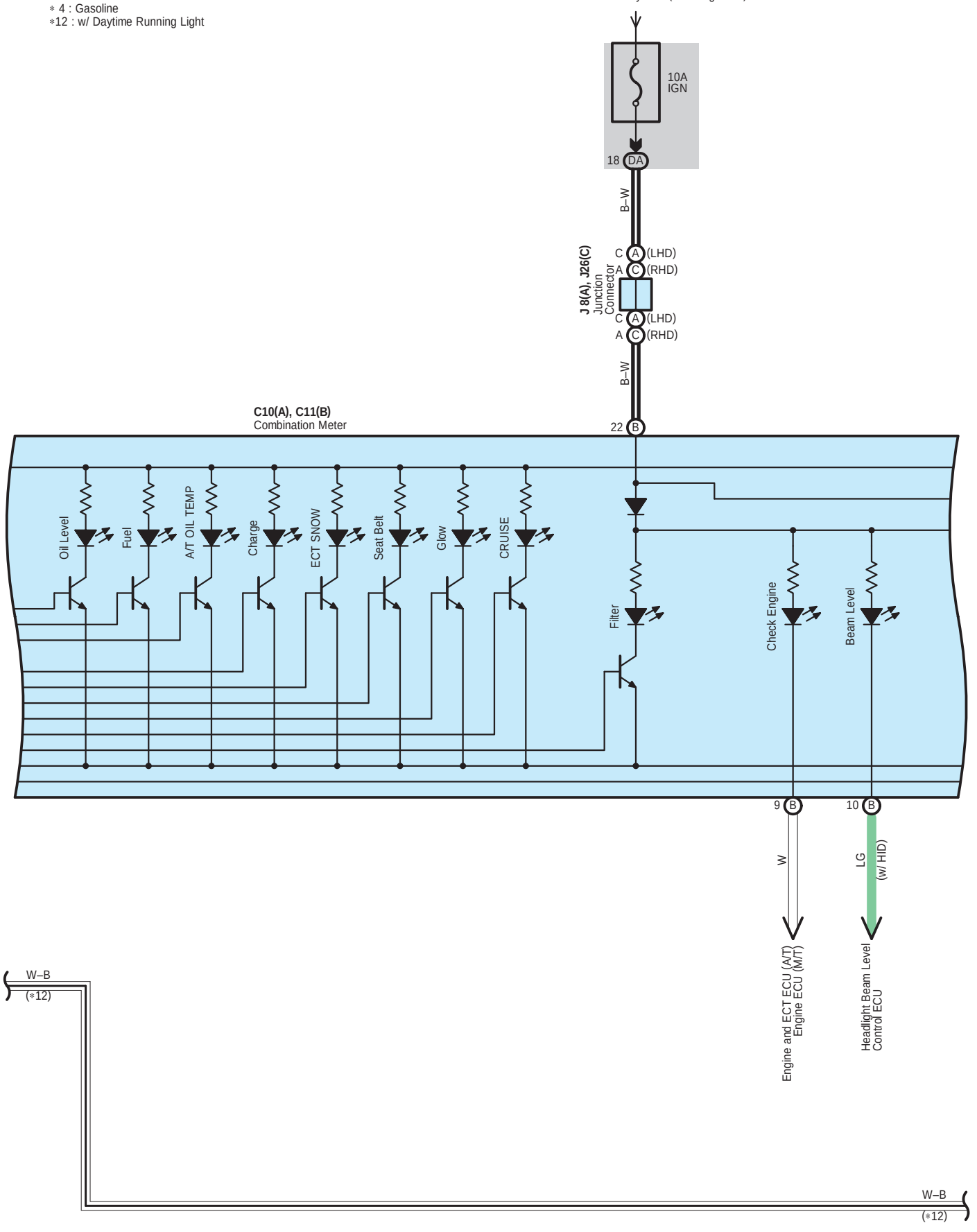
Combination Meter



http://vnx.su

∗ 2 : 1CD–FTV
∗ 4 : Gasoline
∗12 : w/ Daytime Running Light

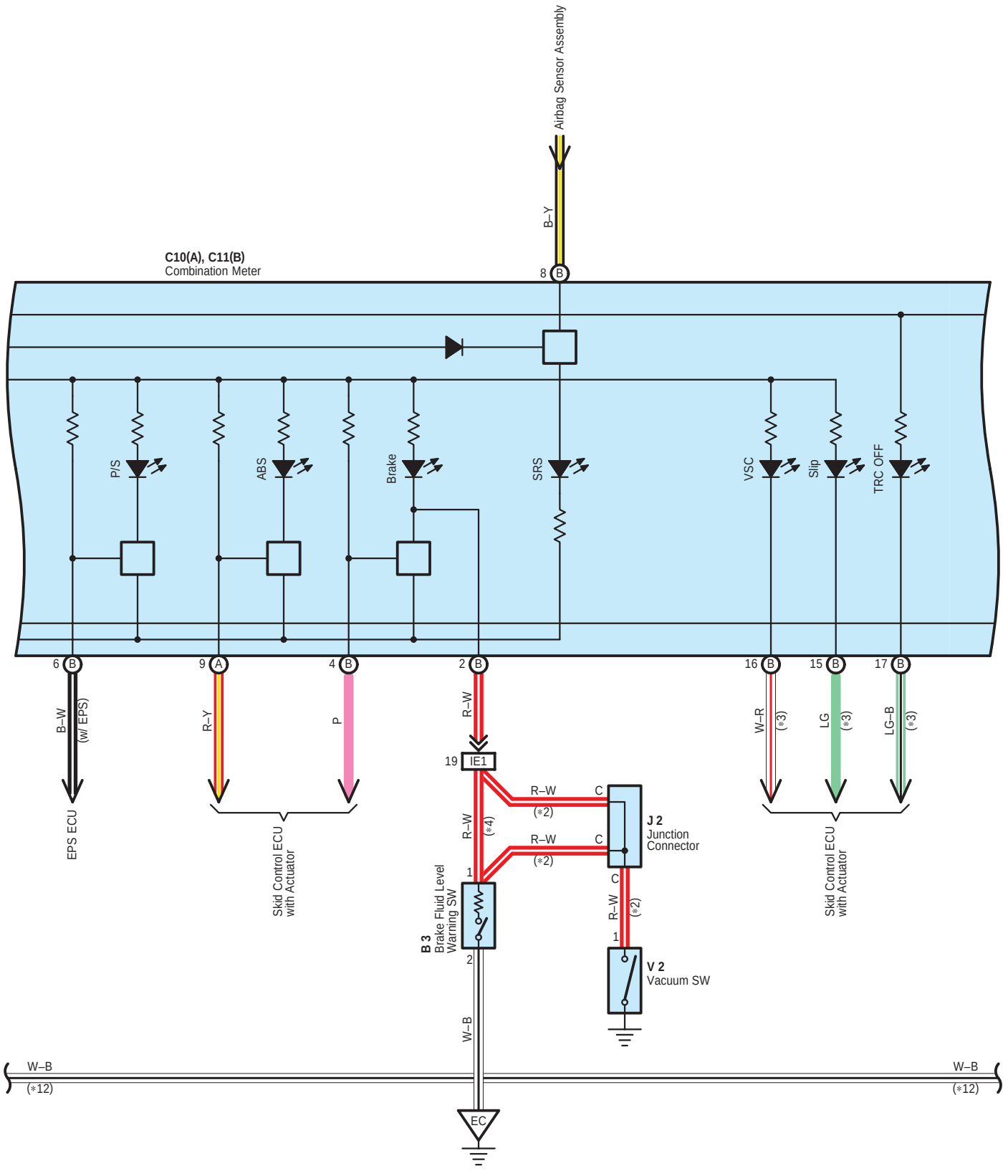
From Power Source System (See Page 120)



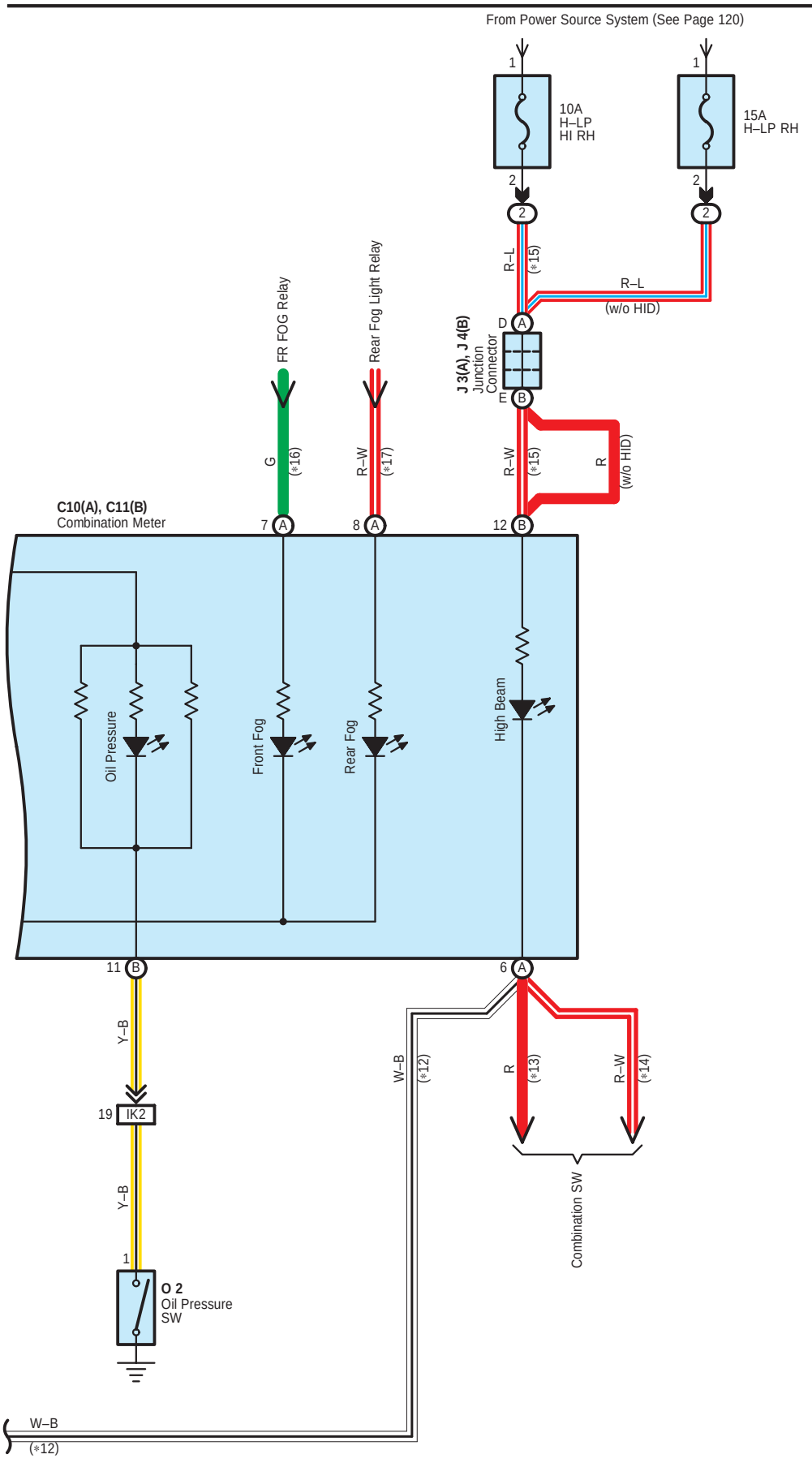
http://vnx.su

Combination Meter

∗ 2 : 1CD–FTV
∗ 3 : w/ VSC
∗ 4 : Gasoline
∗12 : w/ Daytime Running Light
∗13 : w/o Daytime Running Light w/o HID
∗14 : w/o Daytime Running Light w/ HID
∗15 : w/ Daytime Running Light, w/ HID
∗16 : w/ Front Fog Light
∗17 : w/ Rear Fog Light

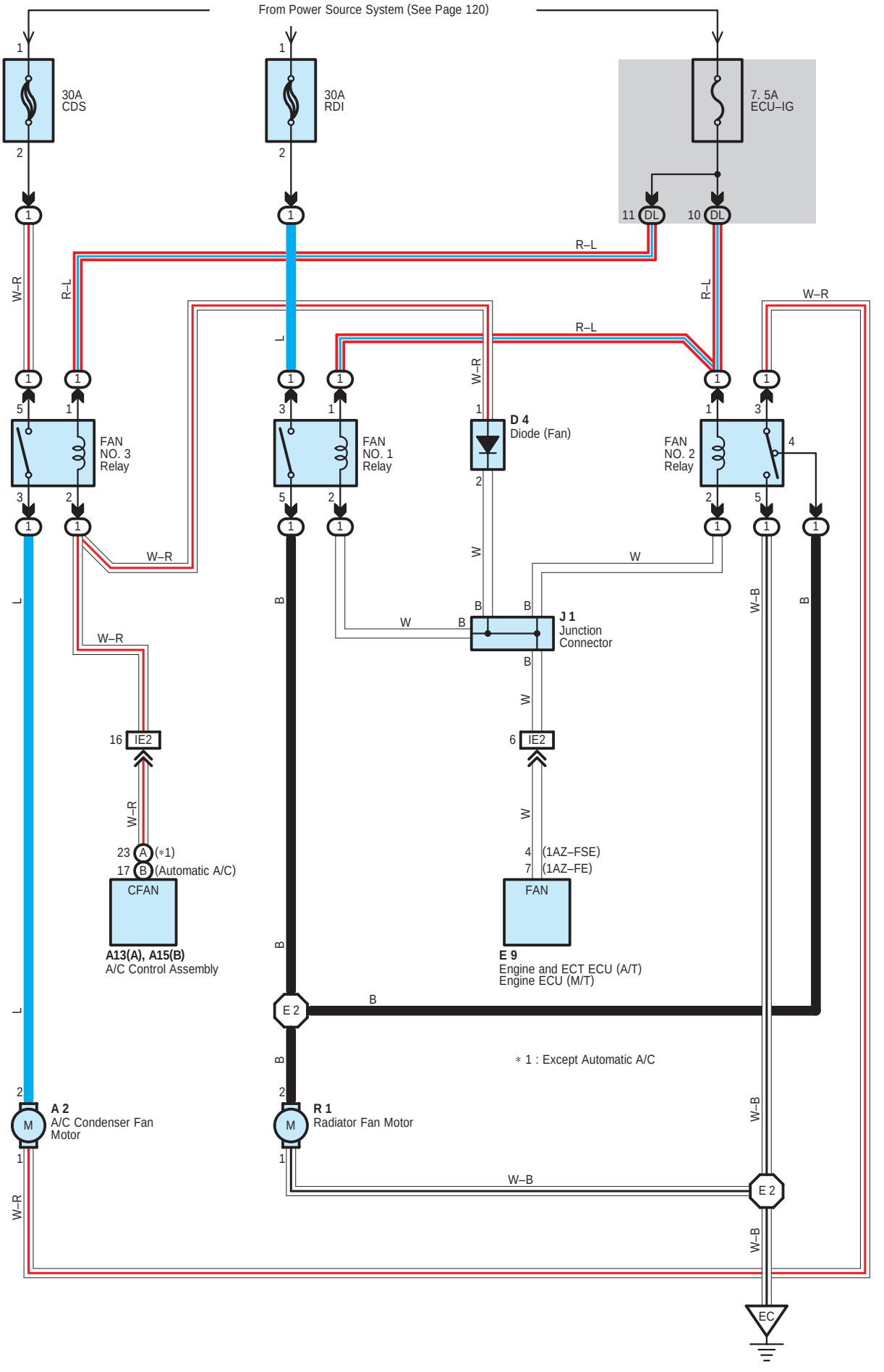


http://vnx.su


From Power Source System (See Page 120)
1
10A
H–LP
HI RH
2
1
15A
H–LP RH
2
2
2
R–L
(*15)
R–L
(w/o HID)
D
A
J 3(A), J 4(B)
Junction
Connector
E
B
FR FOG Relay
Rear Fog Light Relay
G
(*16)
R–W
(*17)
R–W
(*15)
R
(w/o HID)
C10(A), C11(B)
Combination Meter
7
A
8
A
12
B
Oil Pressure
Front Fog
Rear Fog
High Beam
11
B
6
A
Y–B
19
IK2
Y–B
1
O 2
Oil Pressure
SW
W–B
(*12)
R
(*13)
R–W
(*14)
Combination SW
W–B
(*12)

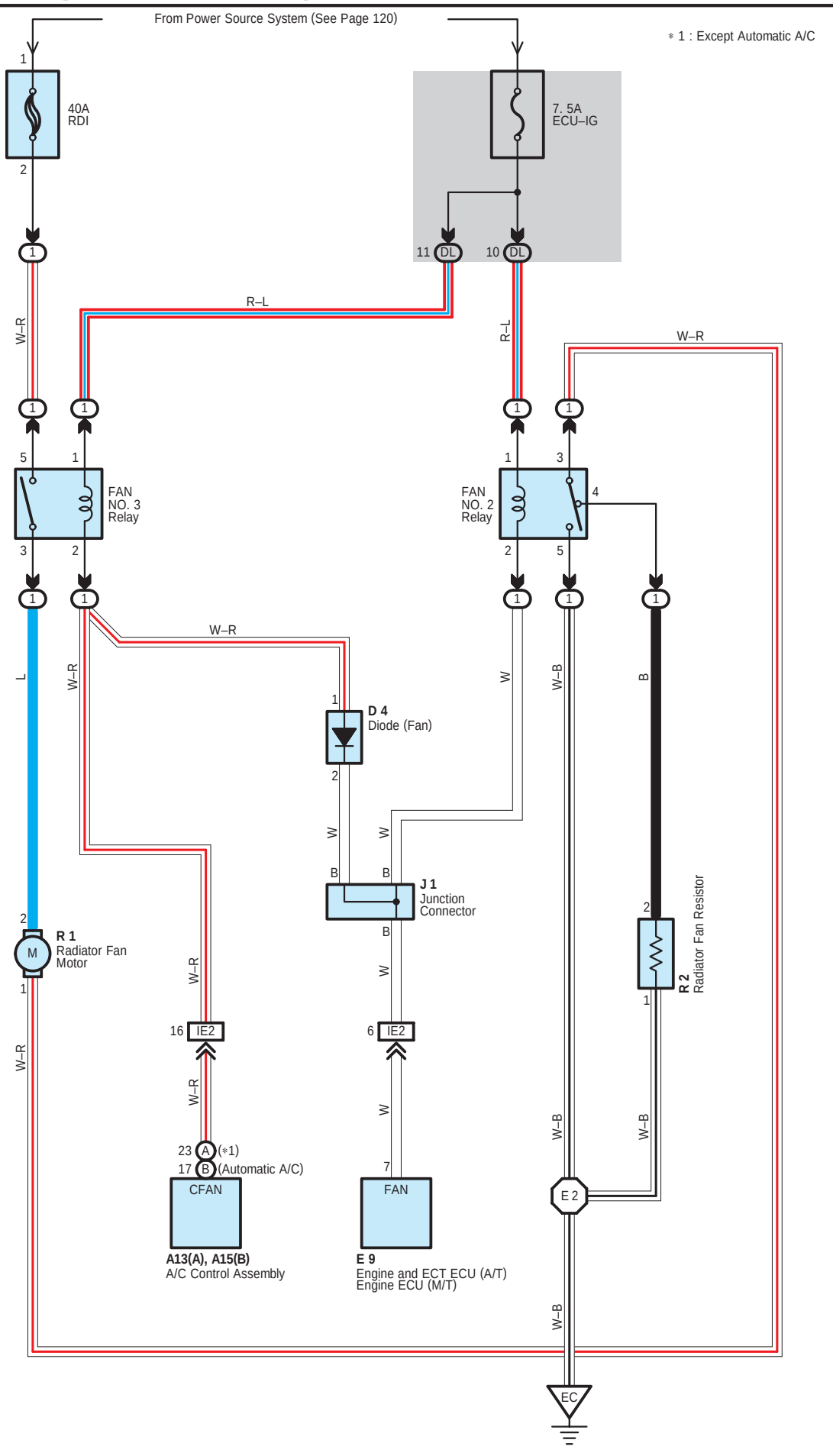
http://vnx.su

Radiator Fan and Condenser Fan (1AZ–FE, 1AZ–FSE)



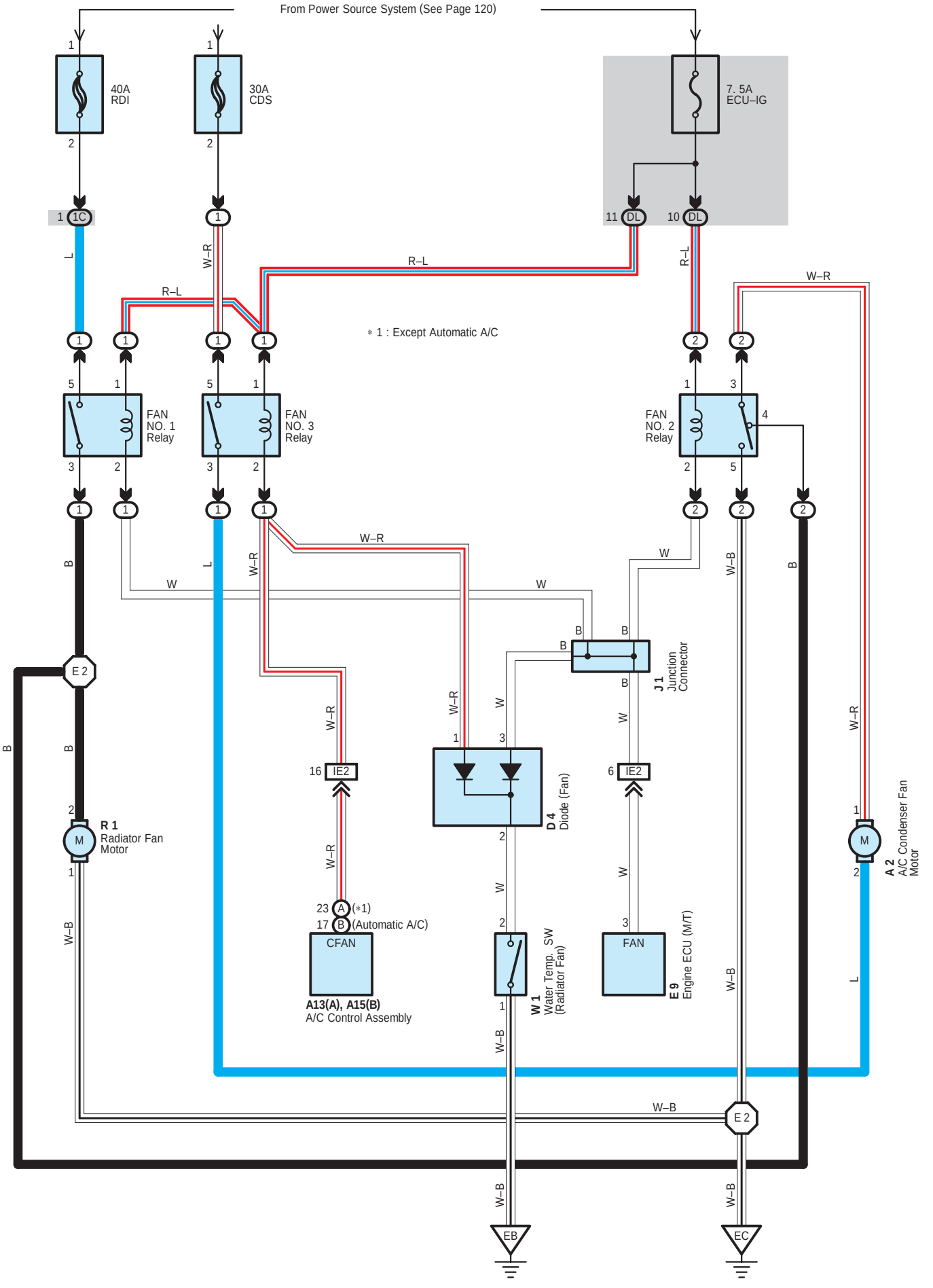
http://vnx.su

Radiator Fan (1ZZ–FE, 3ZZ–FE)

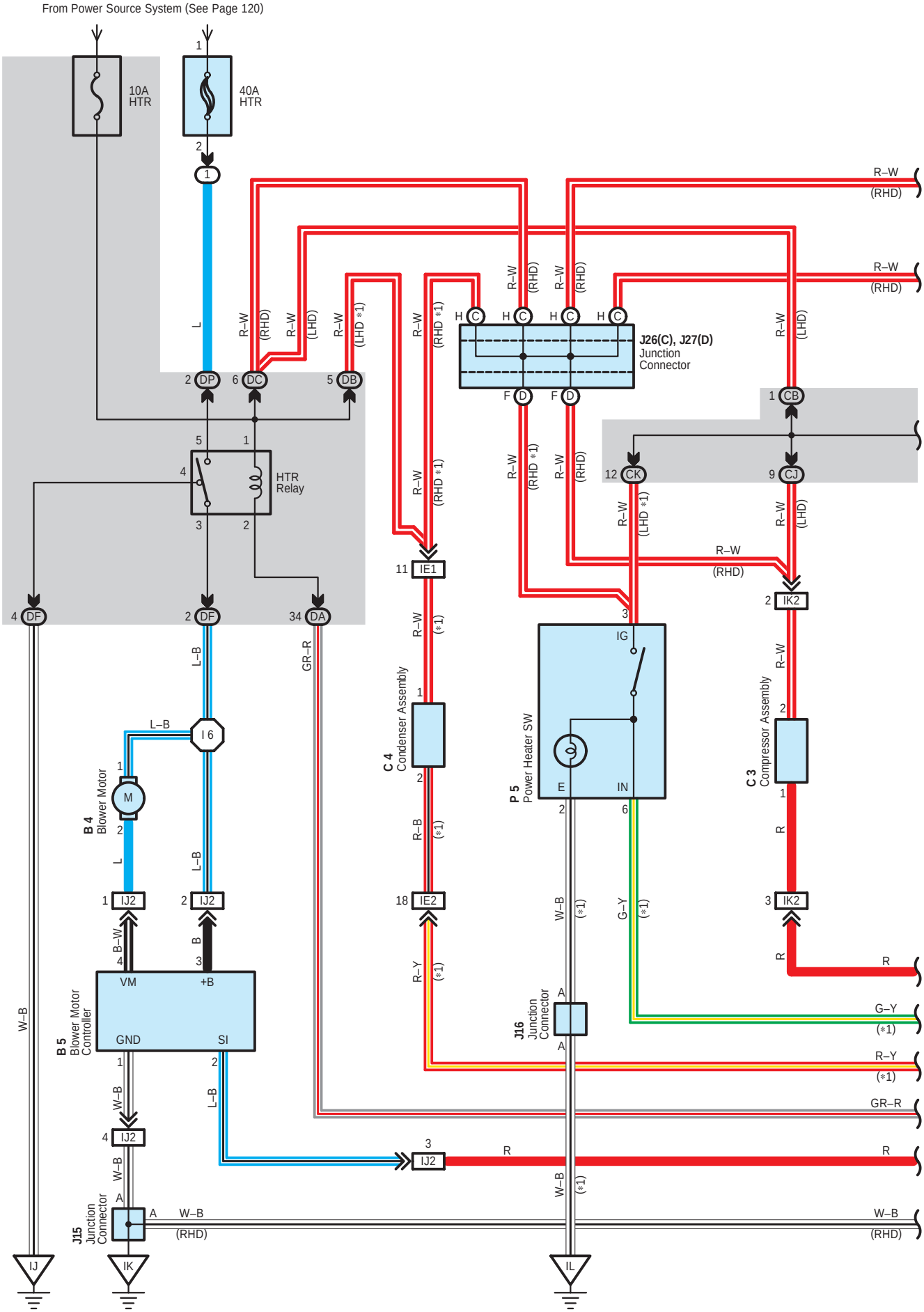


http://vnx.su

Radiator Fan and Condenser Fan (1CD–FTV)

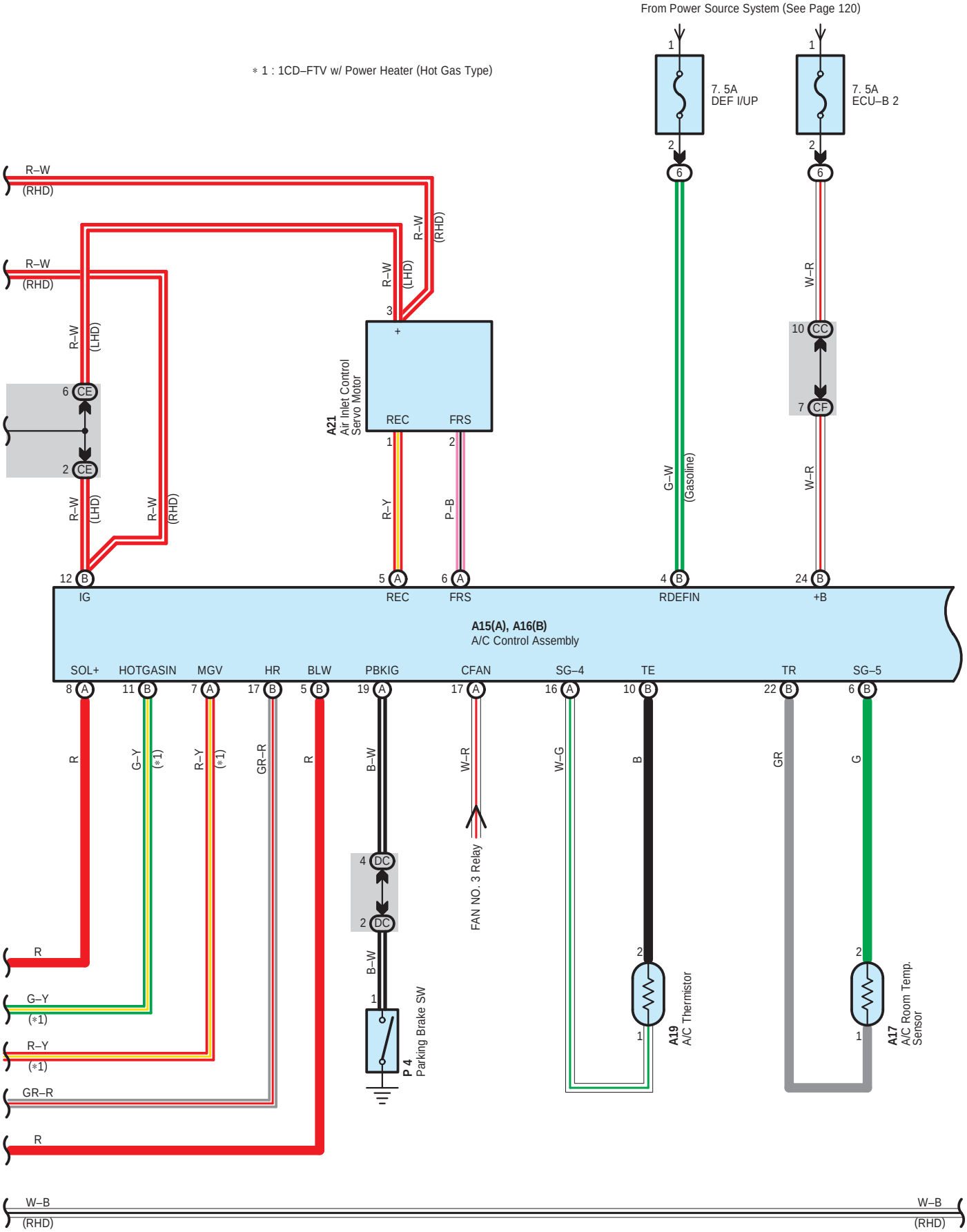


http://vnx.su

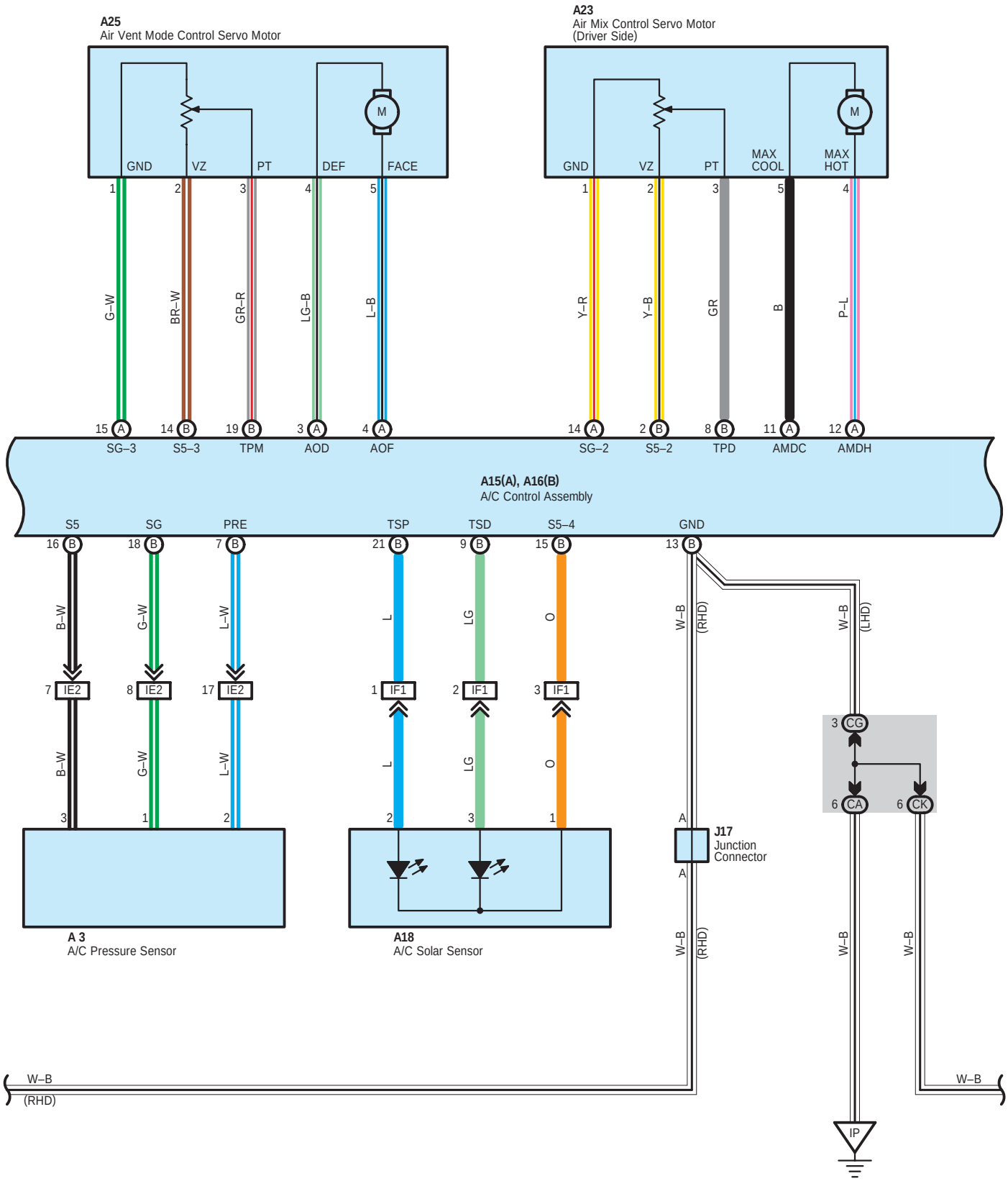

From Power Source System (See Page 120)
10A HTR
40A HTR
HTR Relay
J26(C), J27(D) Junction Connector
J16 Junction Connector
J15 Junction Connector
B 4 Blower Motor
B 5 Blower Motor Controller
C 4 Condenser Assembly
C 3 Compressor Assembly
P 5 Power Heater SW
IG
E
IN
VM
+B
GND
SI
M
I 6
IE1
IE2
IK2
IJ2
DP
DC
DB
DF
DA
CB
CK
CJ
IJ
IK
IL
R–W (RHD)
R–W (LHD)
R–W (RHD *1)
R–W (LHD *1)
L
L–B
GR–R
B–W
B
W–B
R–B
R–Y
G–Y
R
(*1)

http://vnx.su

Power Heater (Hot Gas Type Automatic A/C)

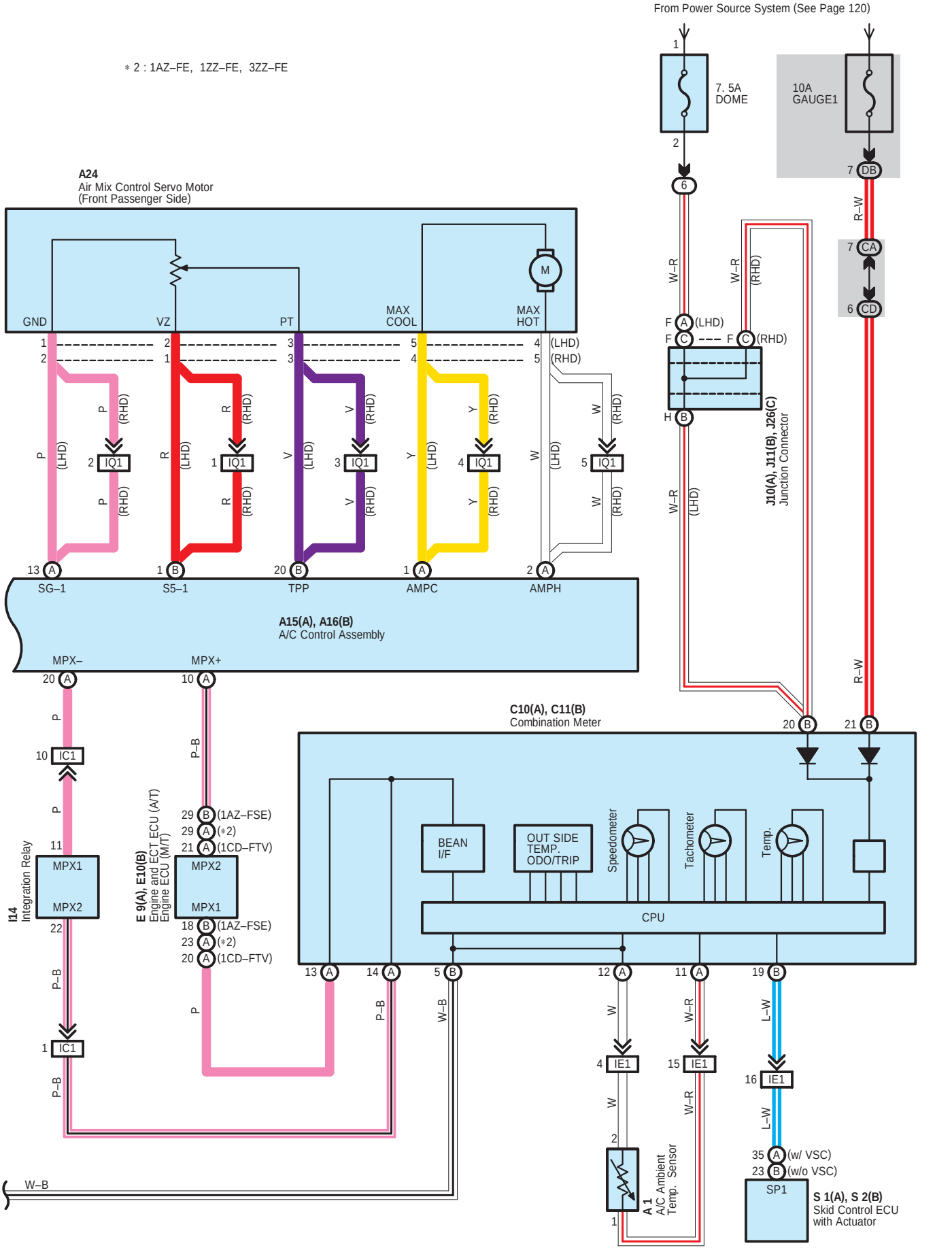


http://vnx.su


A25
Air Vent Mode Control Servo Motor
GND
VZ
PT
DEF
FACE
M
1
2
3
4
5
G–W
BR–W
GR–R
LG–B
L–B
15 A
14 B
19 B
3 A
4 A
SG–3
S5–3
TPM
AOD
AOF
A23
Air Mix Control Servo Motor
(Driver Side)
GND
VZ
PT
MAX COOL
MAX HOT
M
1
2
3
5
4
Y–R
Y–B
GR
B
P–L
14 A
2 B
8 B
11 A
12 A
SG–2
S5–2
TPD
AMDC
AMDH
A15(A), A16(B)
A/C Control Assembly
S5
SG
PRE
TSP
TSD
S5–4
GND
16 B
18 B
7 B
21 B
9 B
15 B
13 B
B–W
G–W
L–W
L
LG
O
W–B
(RHD)
W–B
(LHD)
7 IE2
8 IE2
17 IE2
1 IF1
2 IF1
3 IF1
3
1
2
2
3
1
A
A
J17
Junction Connector
3 CG
6 CA
6 CK
A 3
A/C Pressure Sensor
A18
A/C Solar Sensor
W–B
(RHD)
W–B
W–B
W–B
IP

http://vnx.su

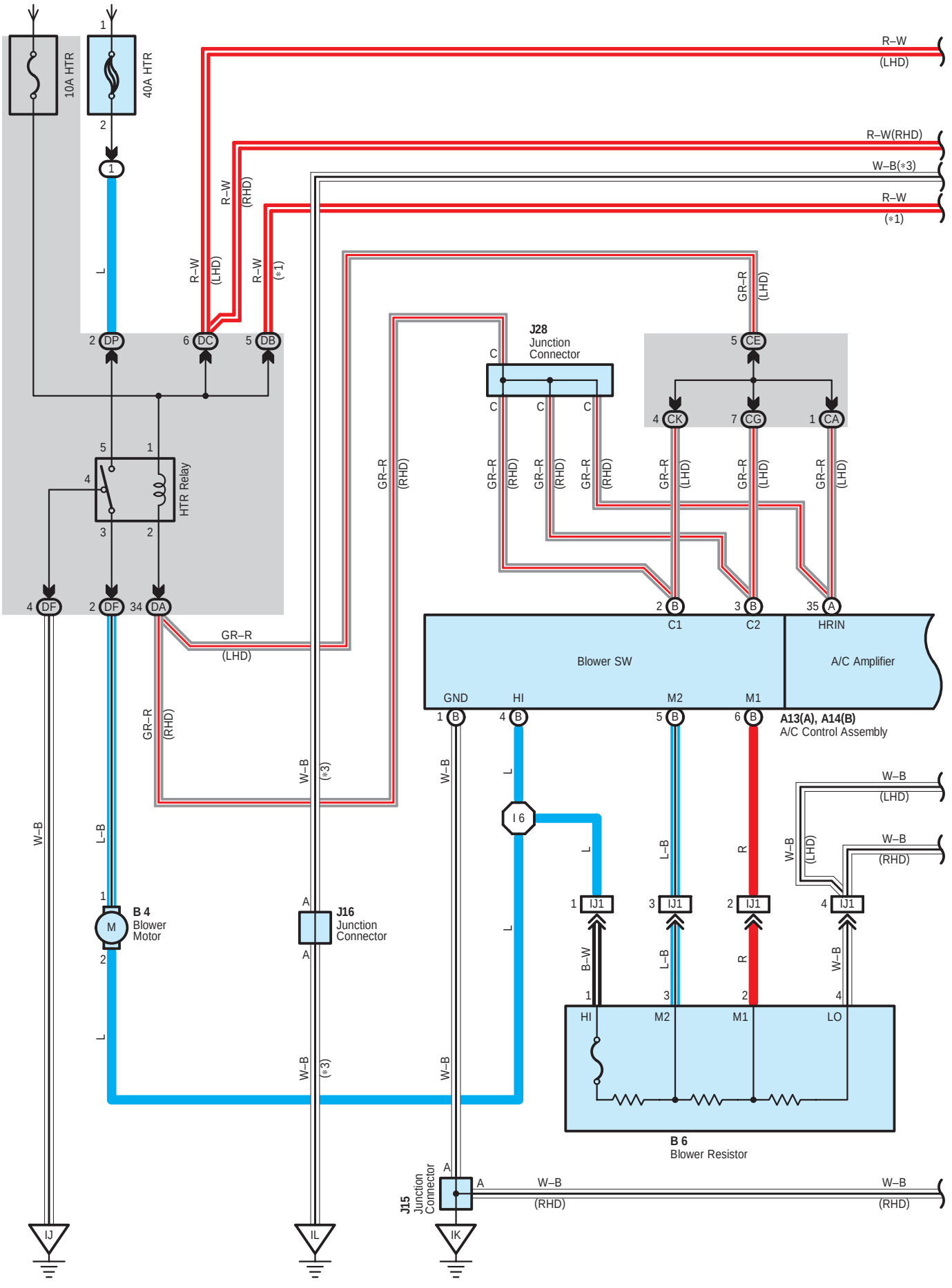
Power Heater (Hot Gas Type Automatic A/C)



http://vnx.su

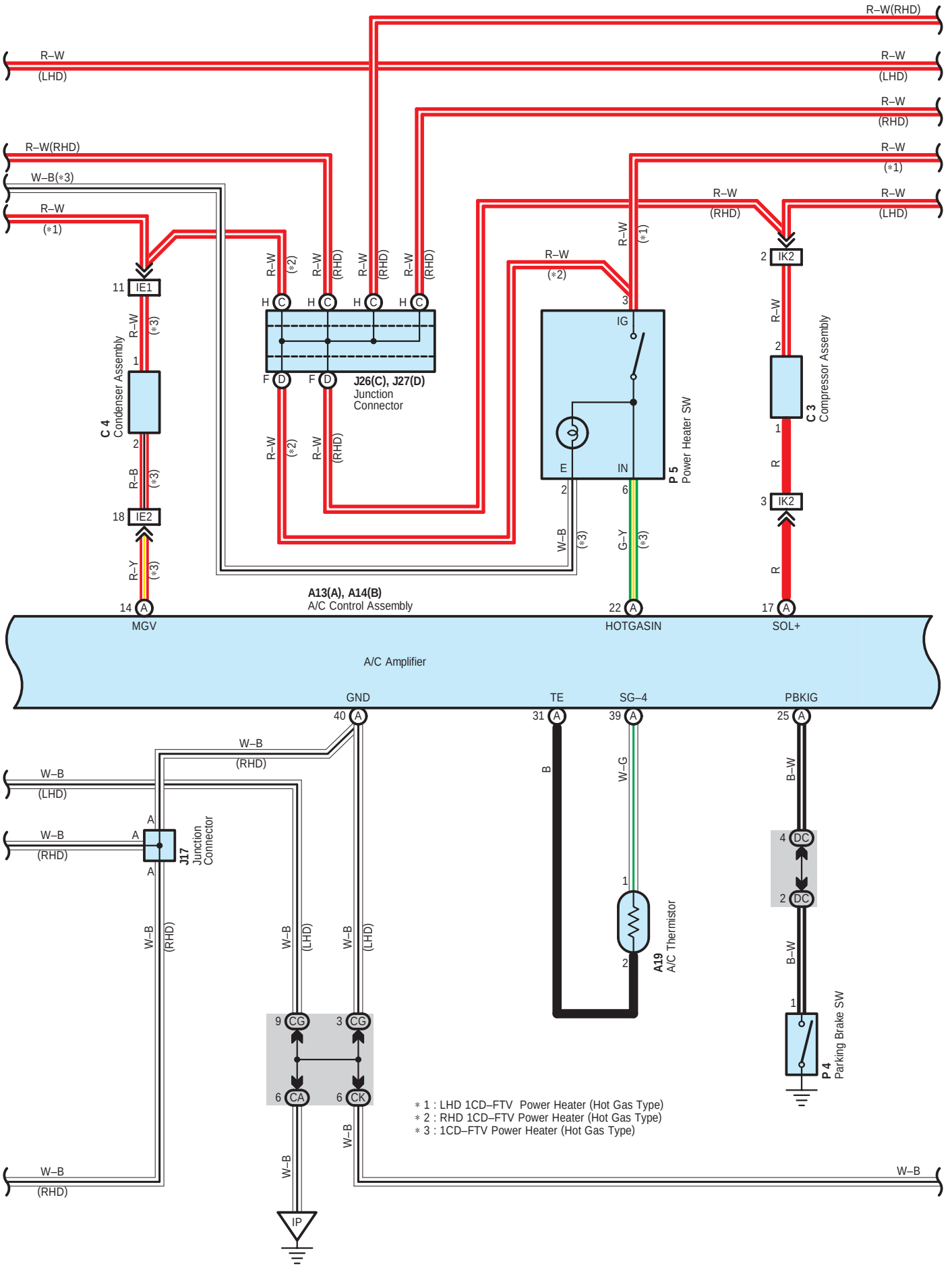
Air Conditioner (Manual A/C) and

From Power Source System (See Page 120)



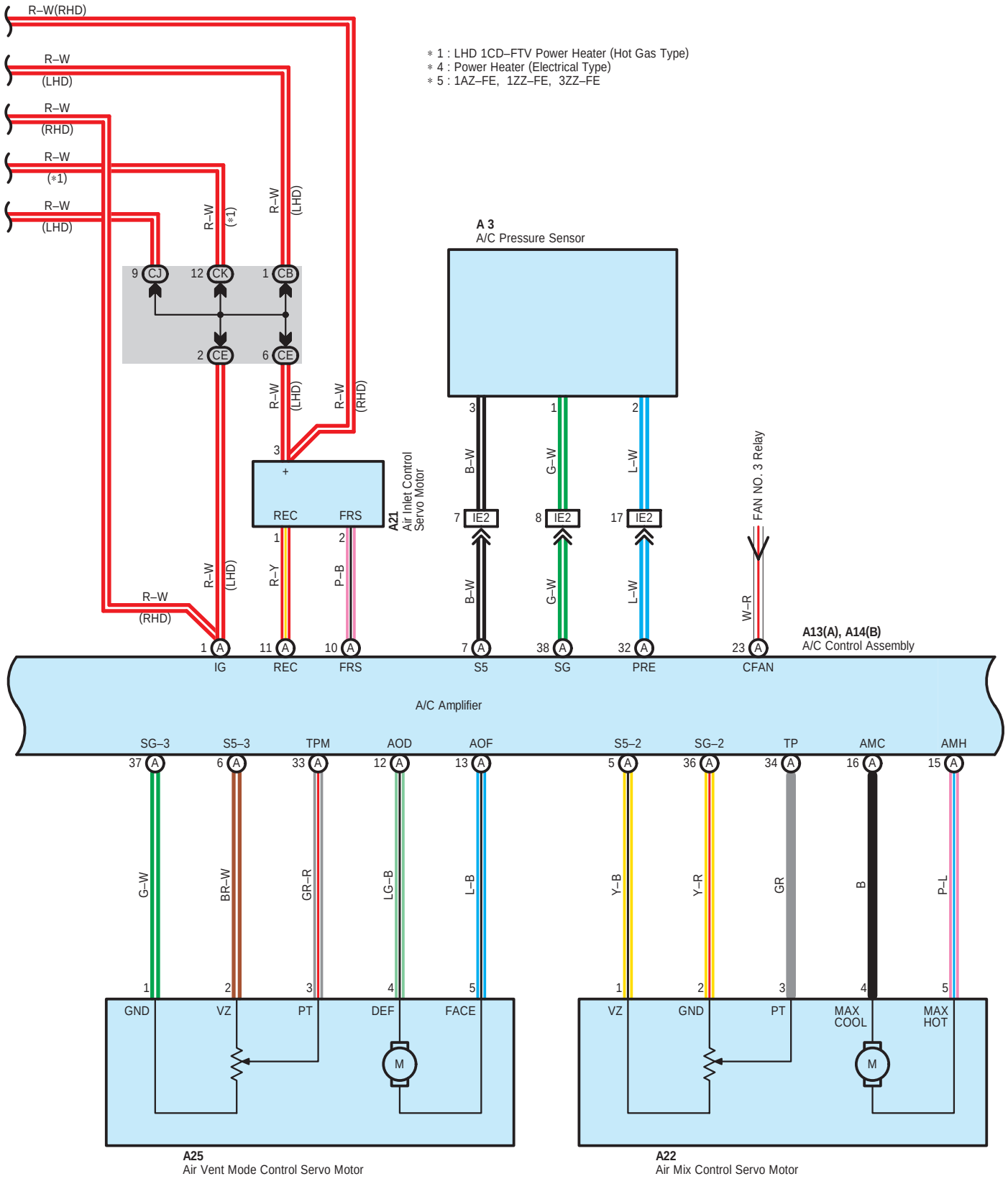
http://vnx.su

Power Heater (Hot Gas Type Manual A/C)



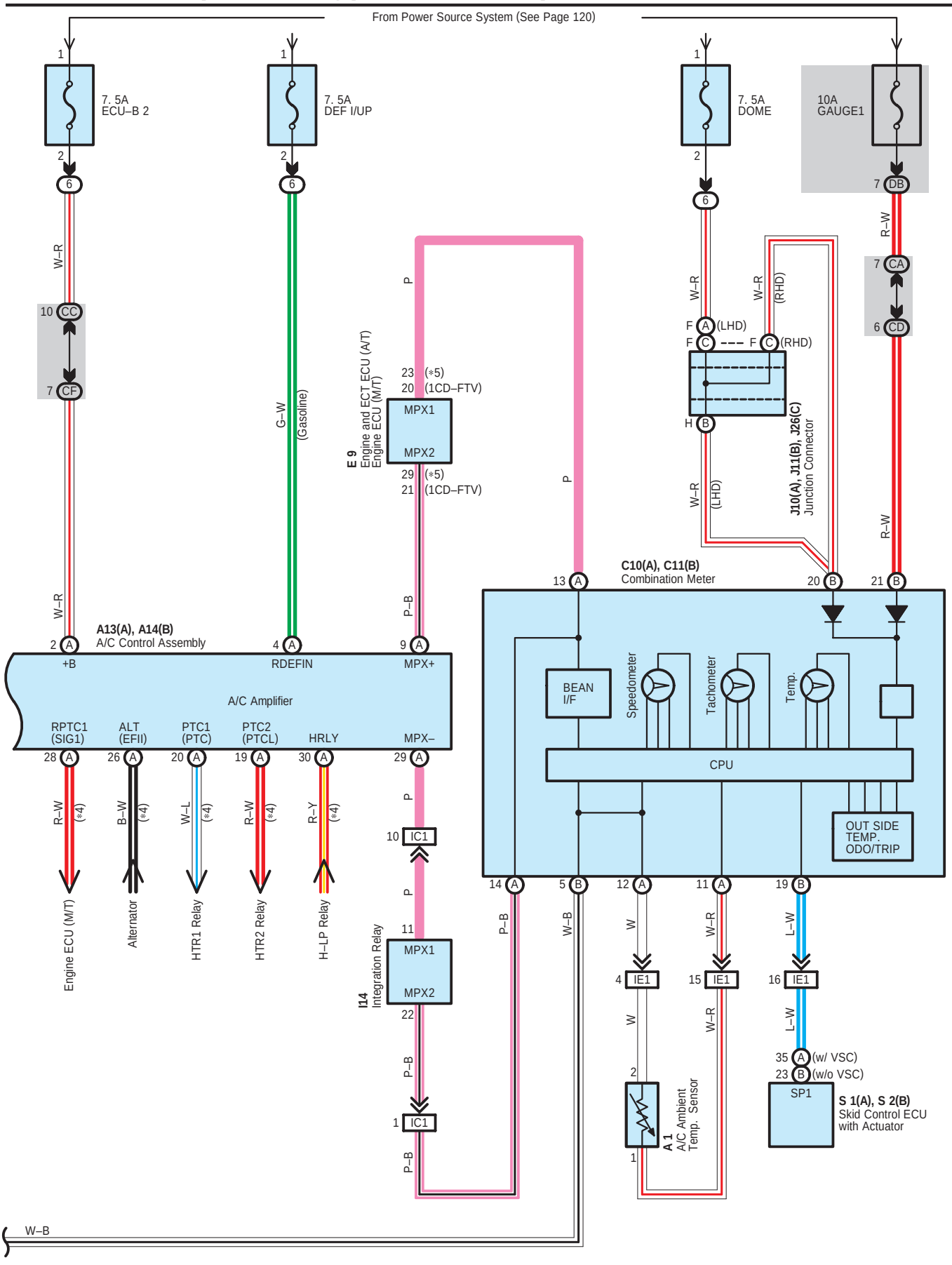
http://vnx.su

Air Conditioner (Manual A/C) and



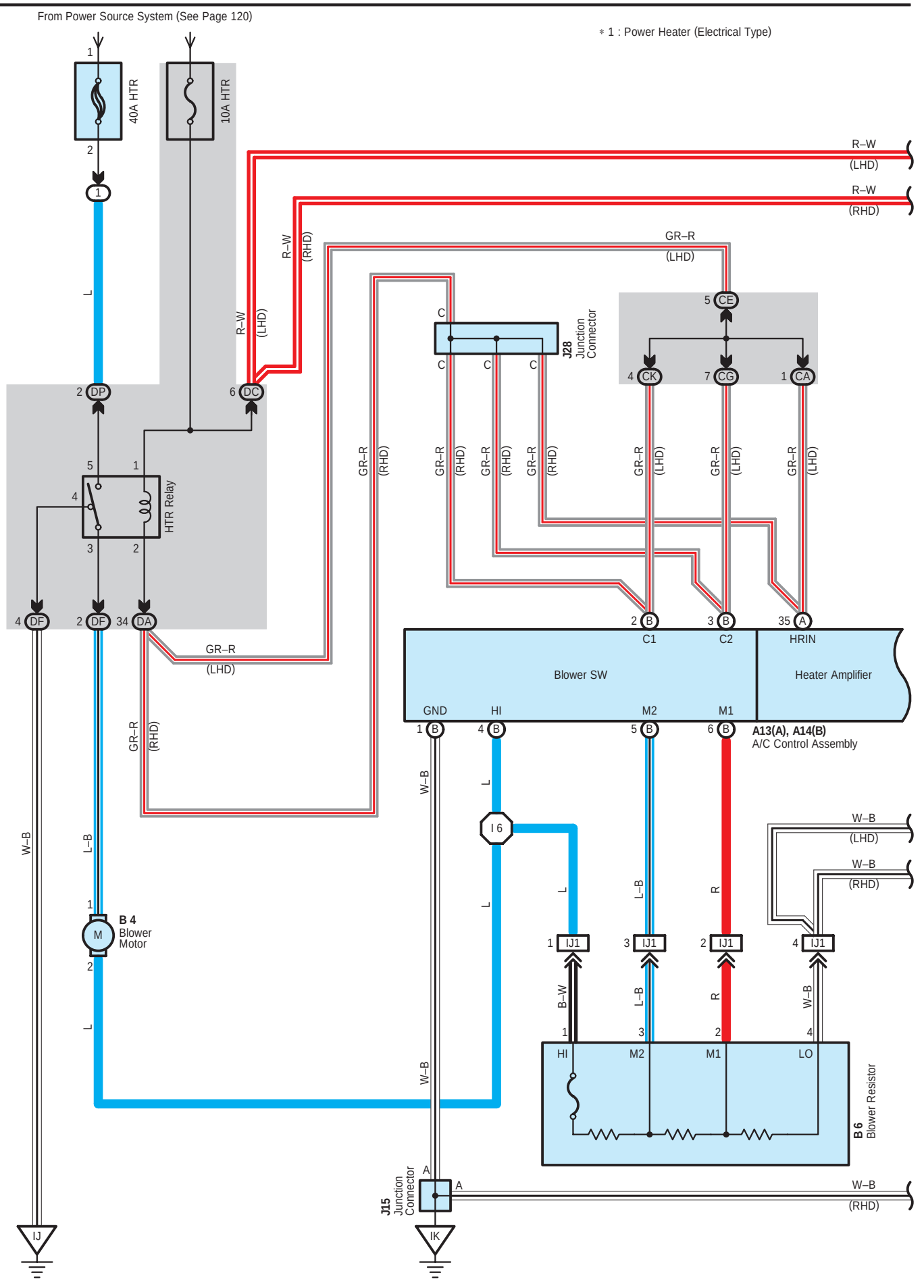
http://vnx.su

Power Heater (Hot Gas Type Manual A/C)

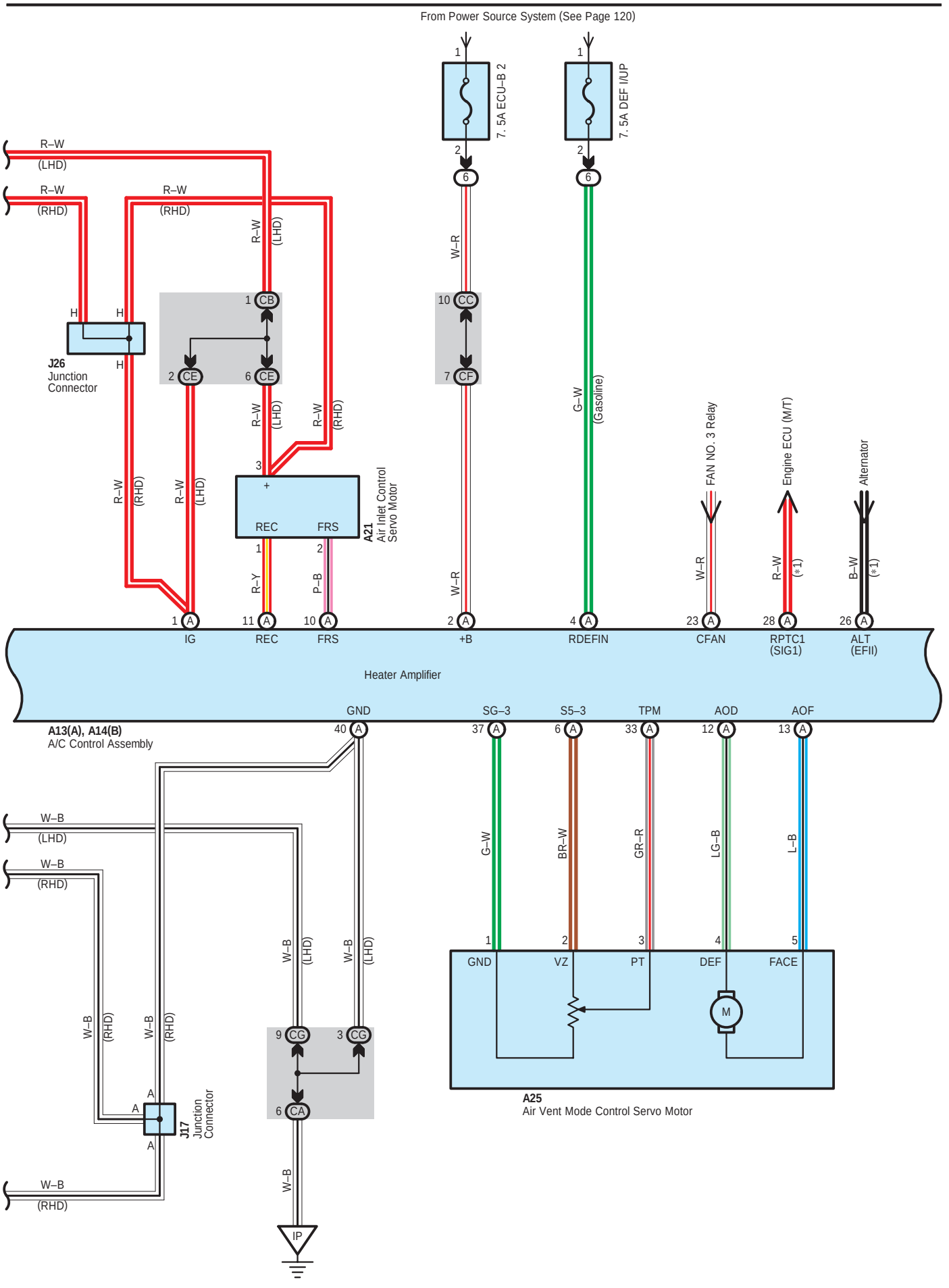


http://vnx.su

Heater

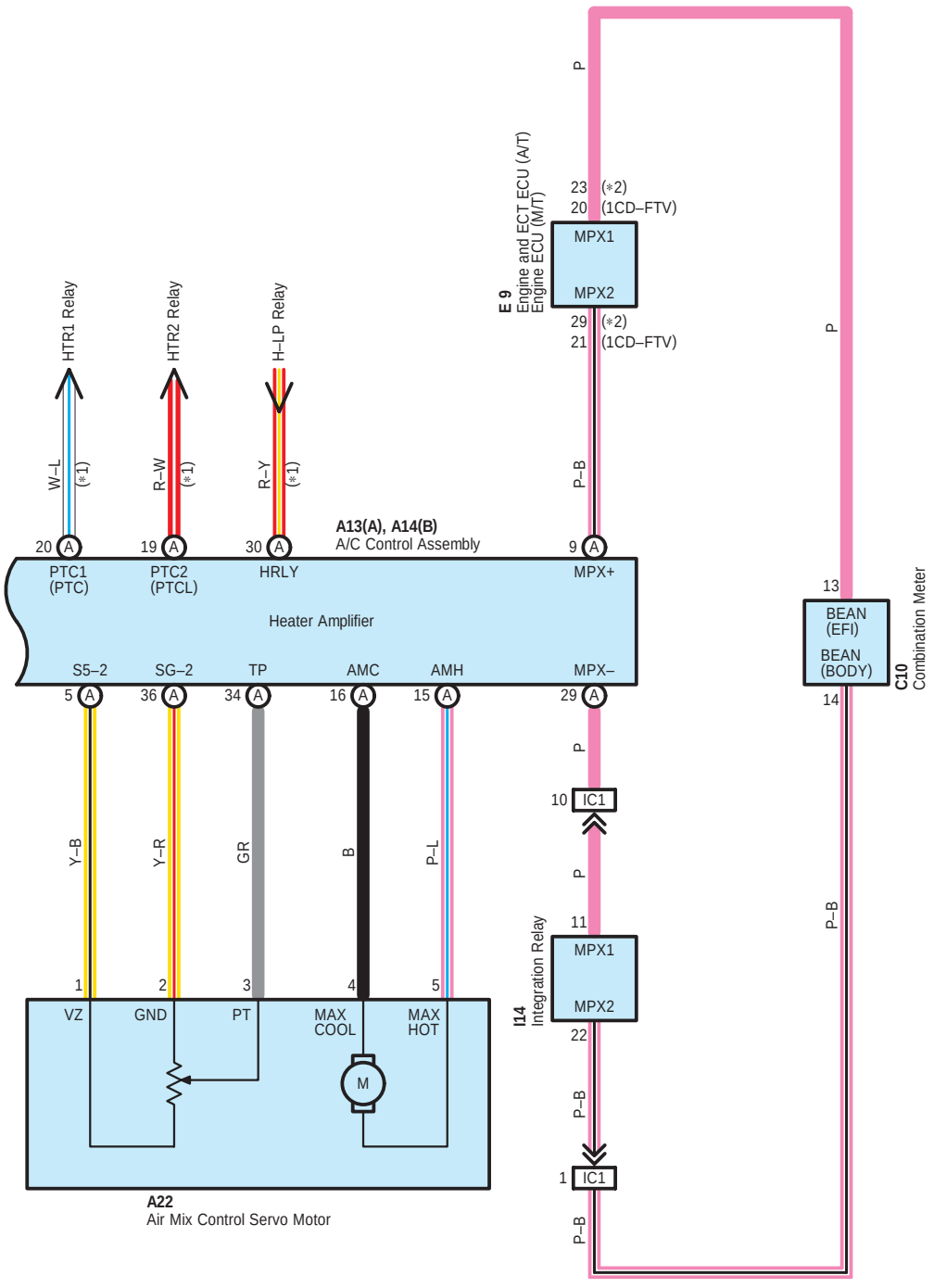


http://vnx.su


From Power Source System (See Page 120)
7. 5A ECU–B 2
7. 5A DEF I/UP
R–W (LHD)
R–W (RHD)
J26 Junction Connector
A21 Air Inlet Control Servo Motor
REC
FRS
W–R
G–W (Gasoline)
FAN NO. 3 Relay
Engine ECU (M/T)
Alternator
B–W (*1)
IG
+B
RDEFIN
CFAN
RPTC1 (SIG1)
ALT (EFII)
Heater Amplifier
GND
SG–3
S5–3
TPM
AOD
AOF
A13(A), A14(B) A/C Control Assembly
W–B (LHD)
W–B (RHD)
J17 Junction Connector
IP
A25 Air Vent Mode Control Servo Motor
VZ
PT
DEF
FACE

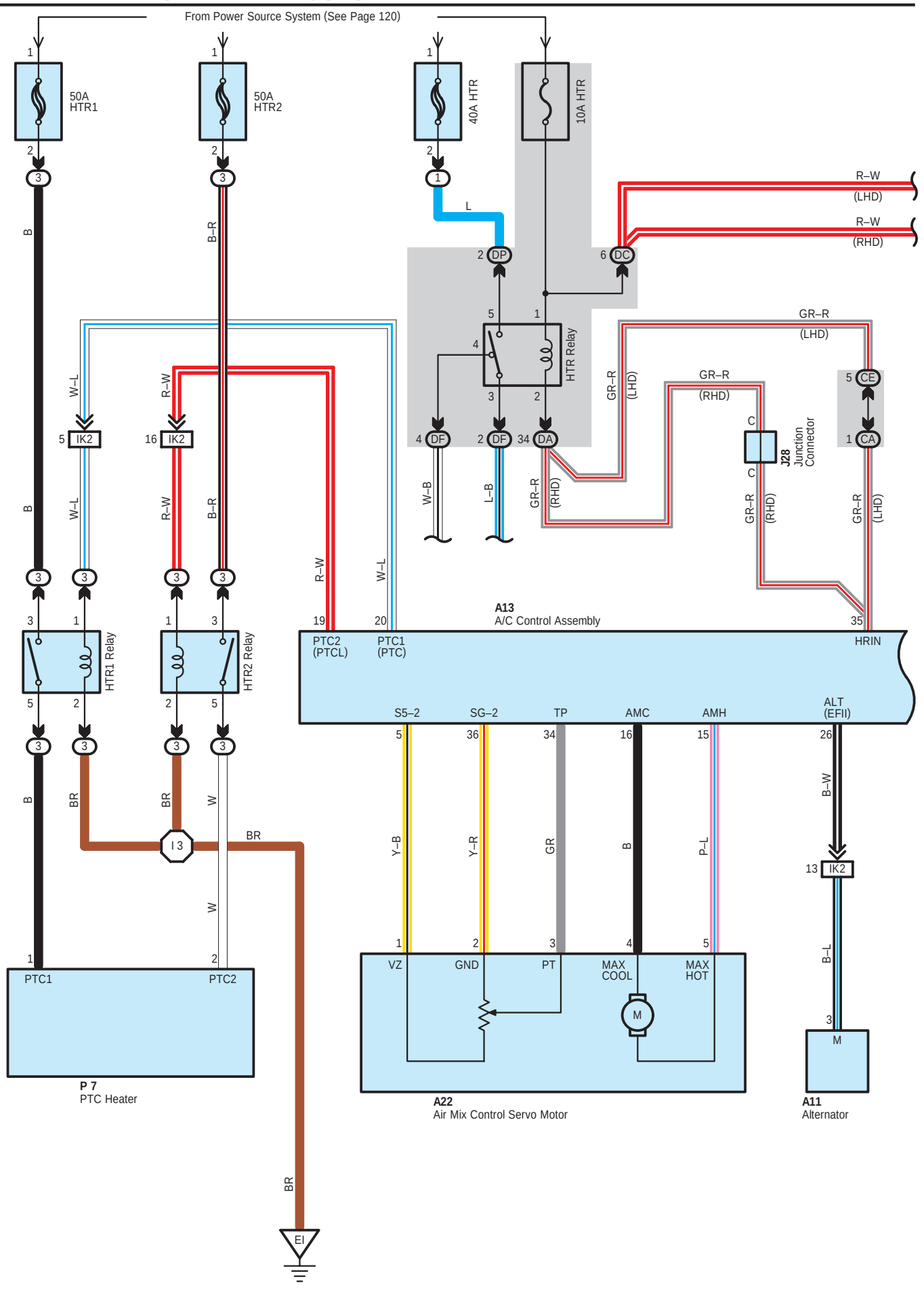
http://vnx.su

∗ 1 : Power Heater (Electrical Type)
∗ 2 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE

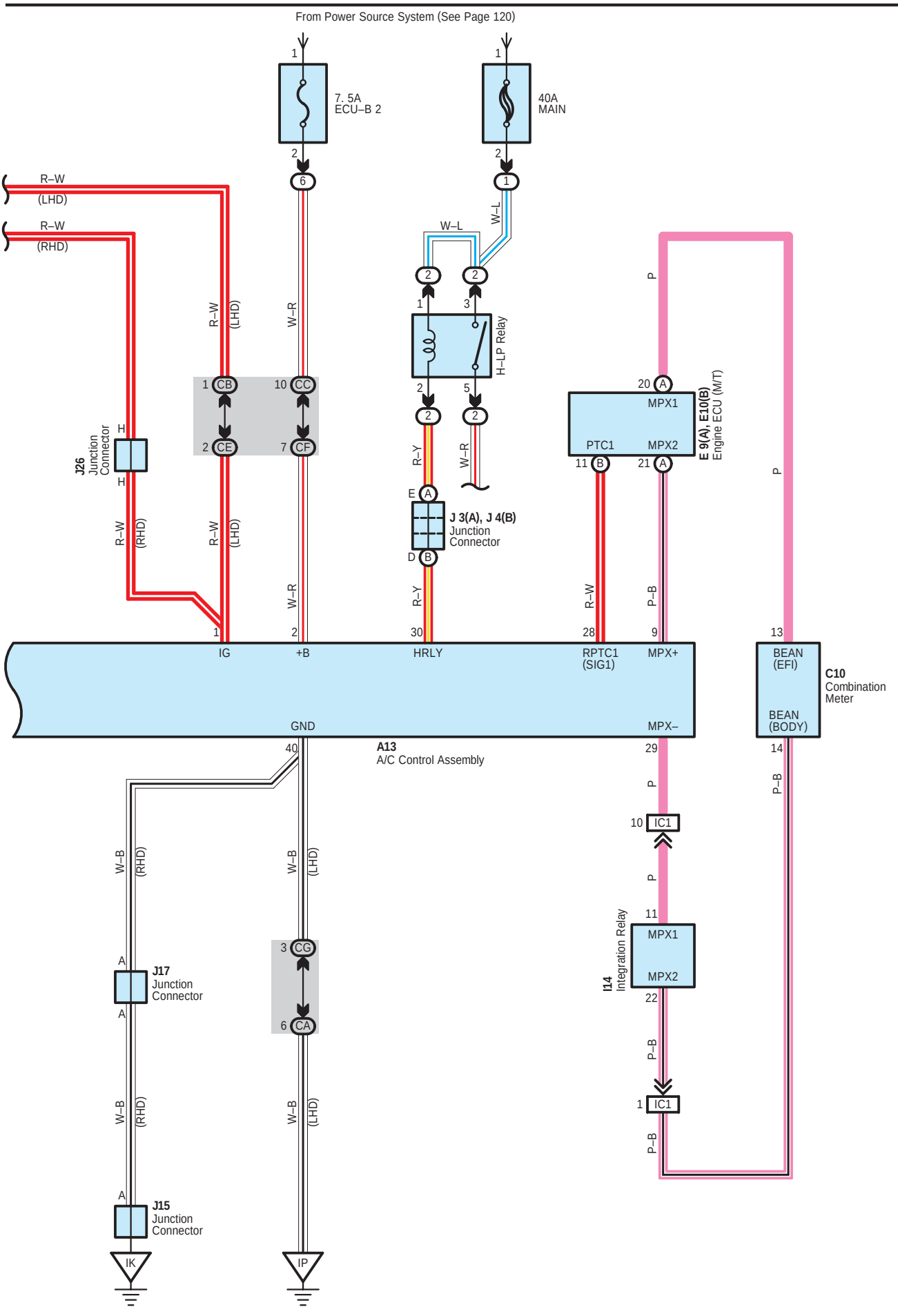


http://vnx.su

Power Heater (Electrical Type)

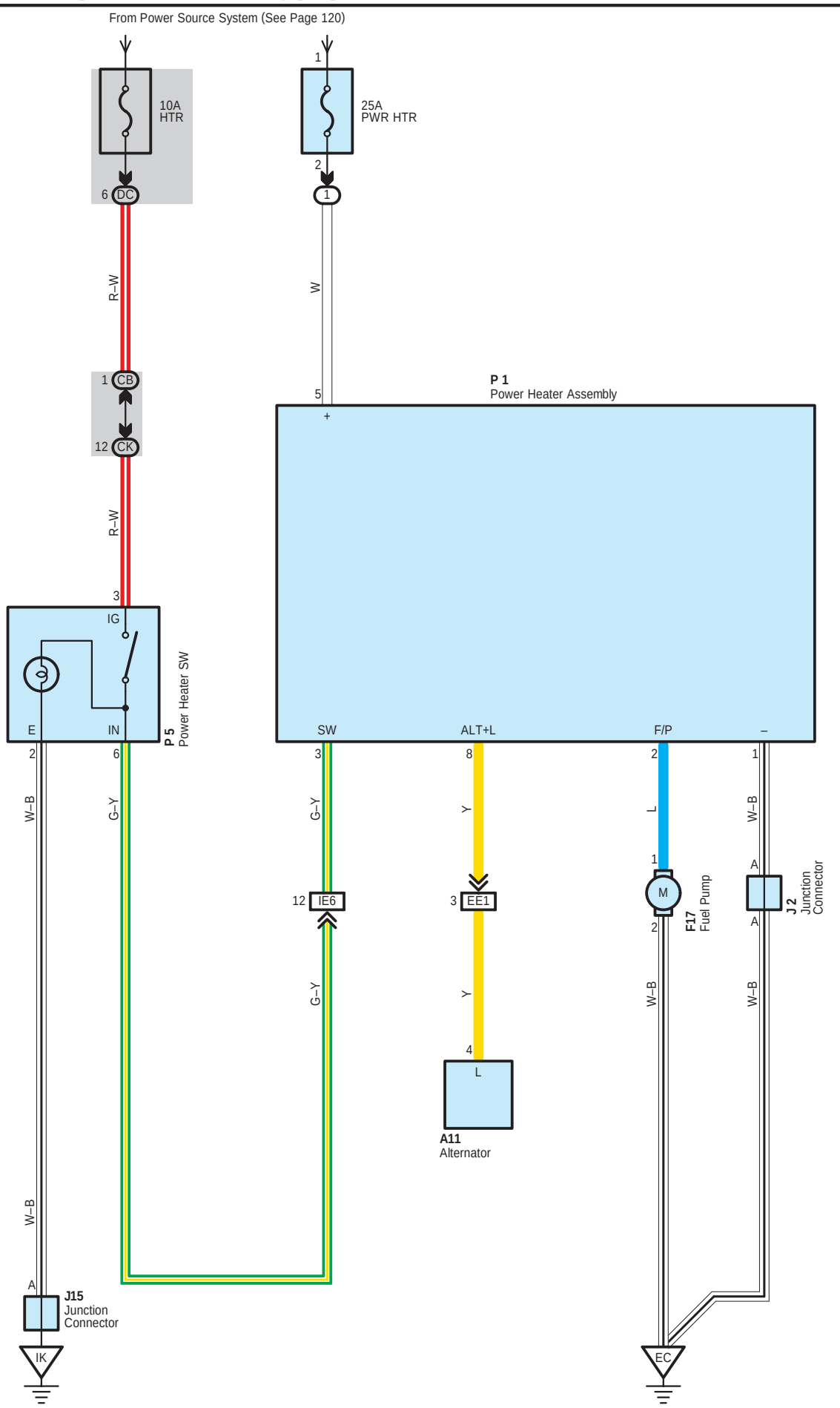


http://vnx.su


From Power Source System (See Page 120)
7. 5A
ECU–B 2
40A
MAIN
R–W
(LHD)
R–W
(RHD)
W–L
H–LP Relay
J26
Junction
Connector
J 3(A), J 4(B)
Junction
Connector
E 9(A), E10(B)
Engine ECU (M/T)
MPX1
PTC1
MPX2
IG
+B
HRLY
RPTC1
(SIG1)
MPX+
MPX–
GND
A13
A/C Control Assembly
BEAN
(EFI)
BEAN
(BODY)
C10
Combination
Meter
J17
Junction
Connector
J15
Junction
Connector
I14
Integration Relay
IC1
IK
IP

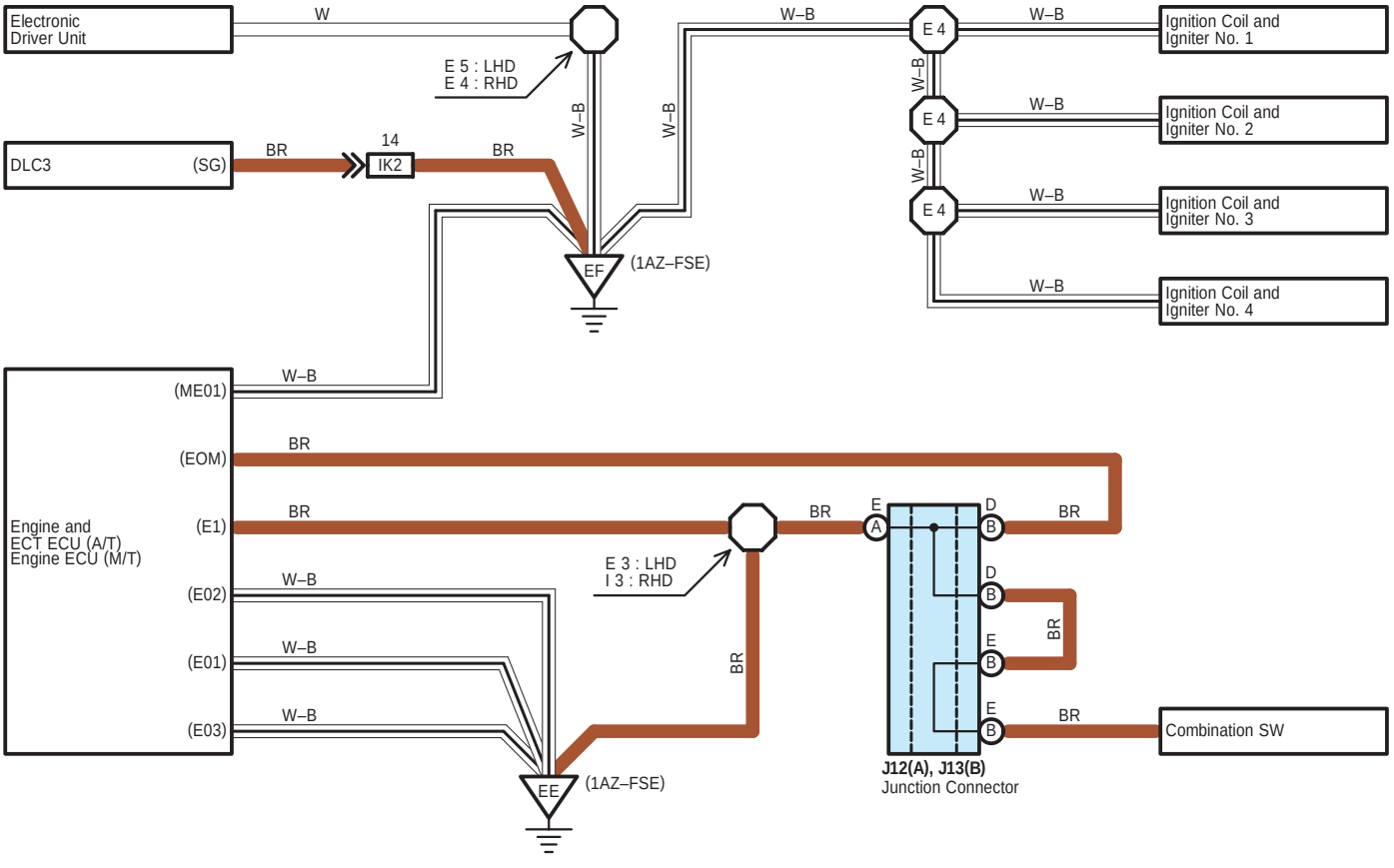
http://vnx.su

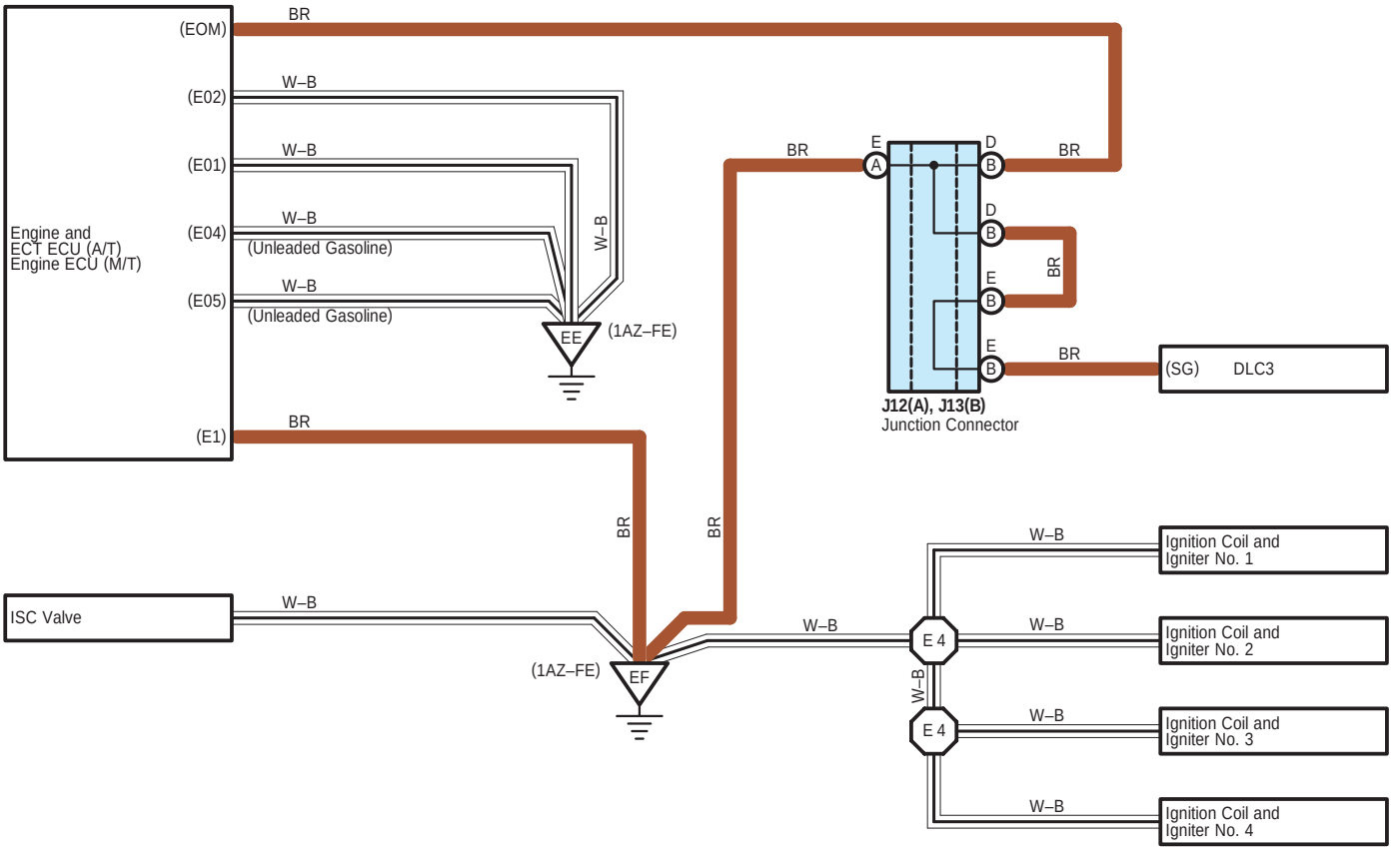
Power Heater (Combustion Type)



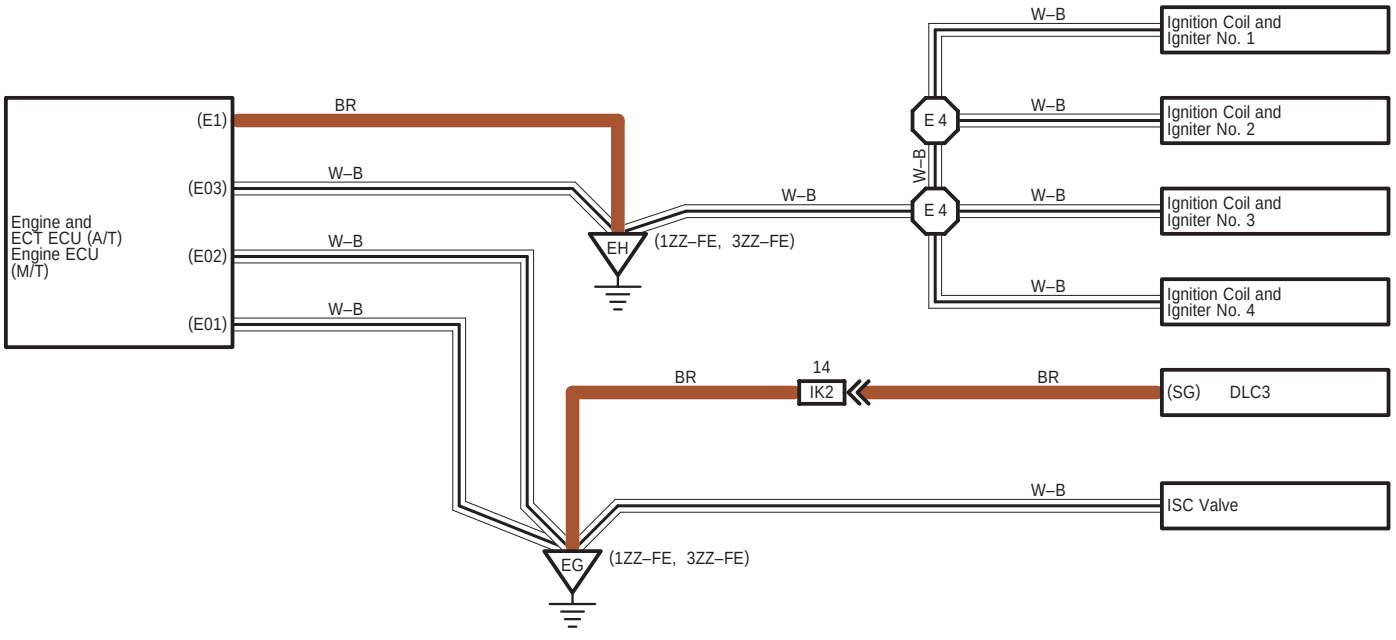
http://vnx.su

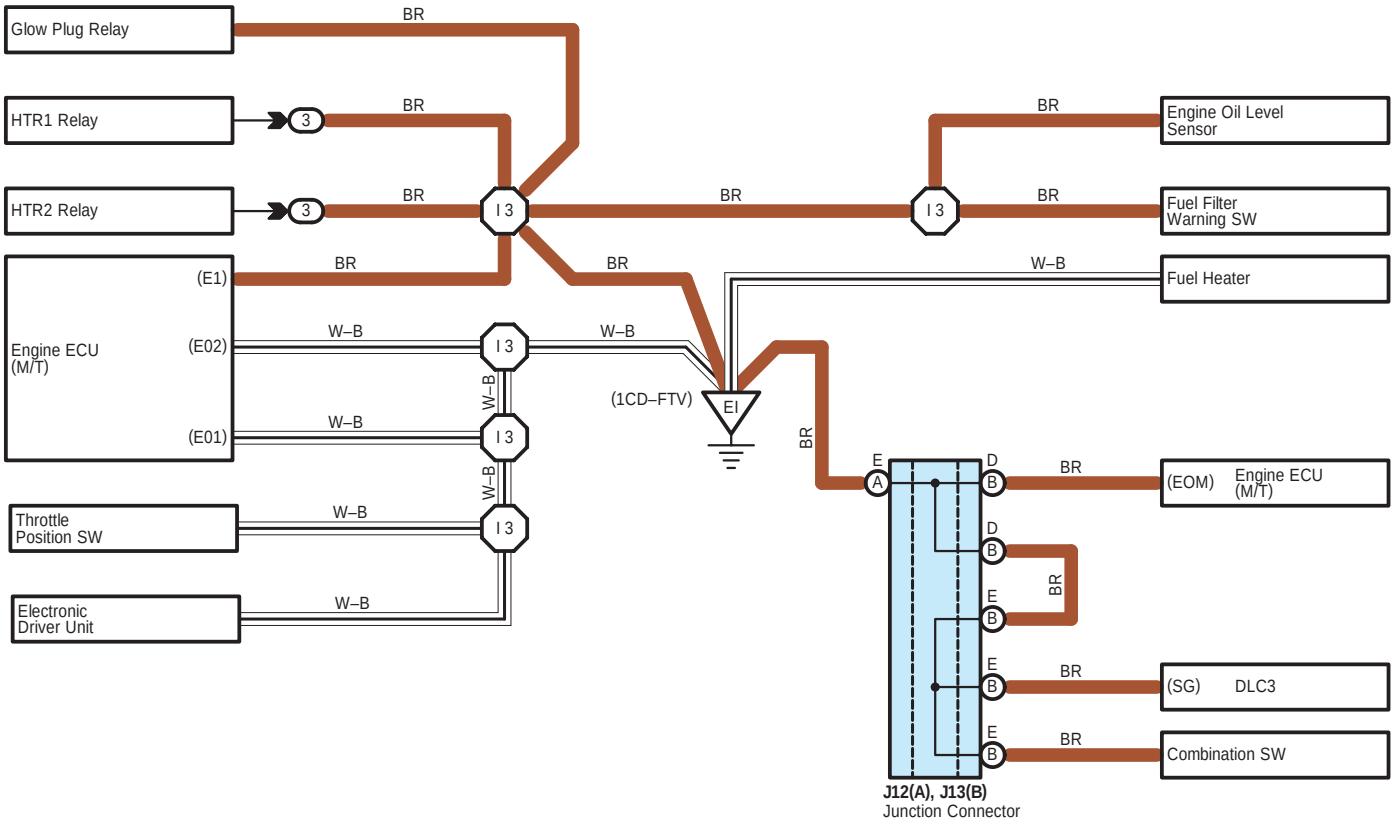
I GROUND POINT





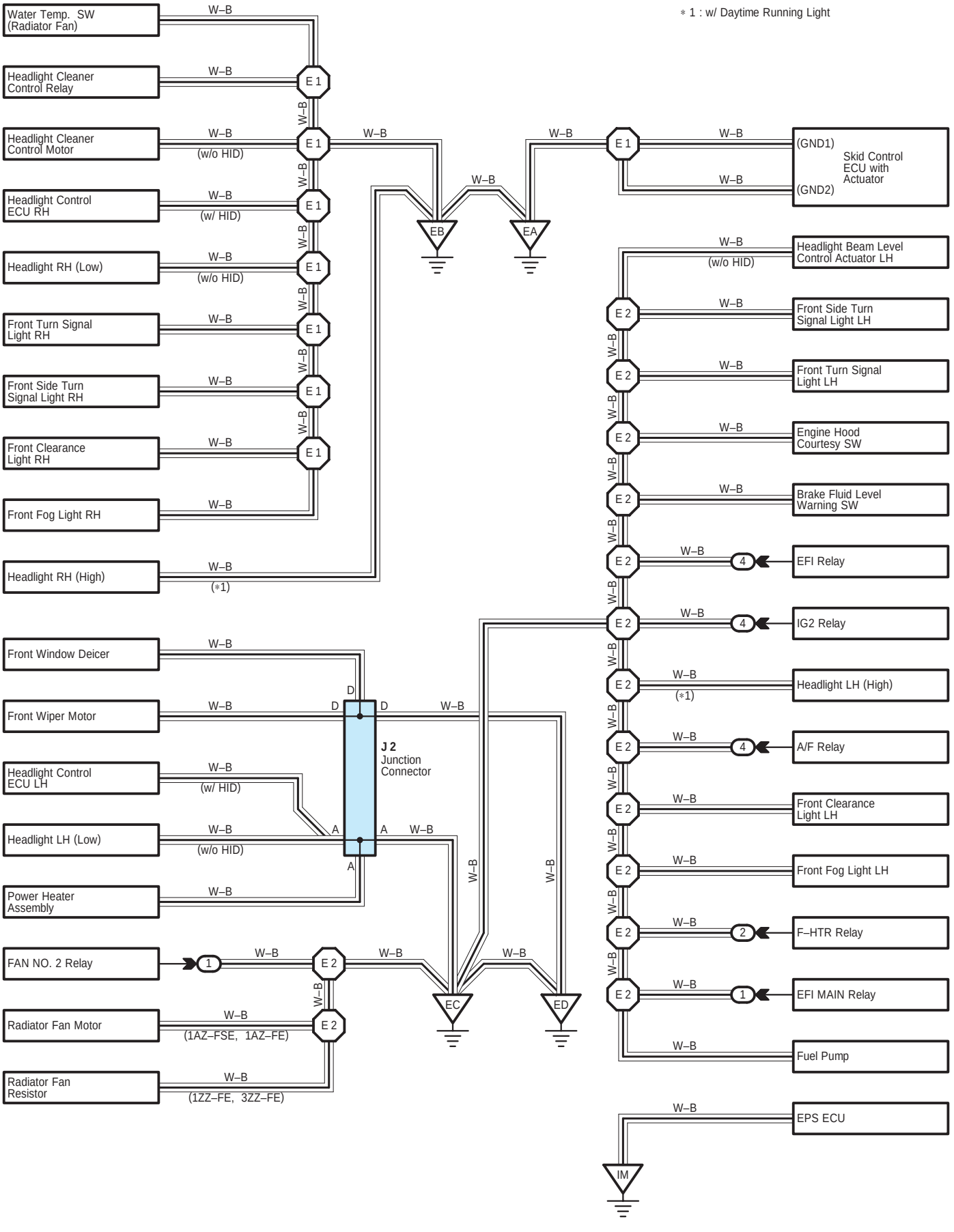
http://vnx.su


Engine and
ECT ECU (A/T)
Engine ECU
(M/T)
(E1)
(E03)
(E02)
(E01)
BR
W–B
EH
(1ZZ–FE, 3ZZ–FE)
E 4
E 4
W–B
Ignition Coil and
Igniter No. 1
Ignition Coil and
Igniter No. 2
Ignition Coil and
Igniter No. 3
Ignition Coil and
Igniter No. 4
14
IK2
(SG) DLC3
ISC Valve
EG
(1ZZ–FE, 3ZZ–FE)

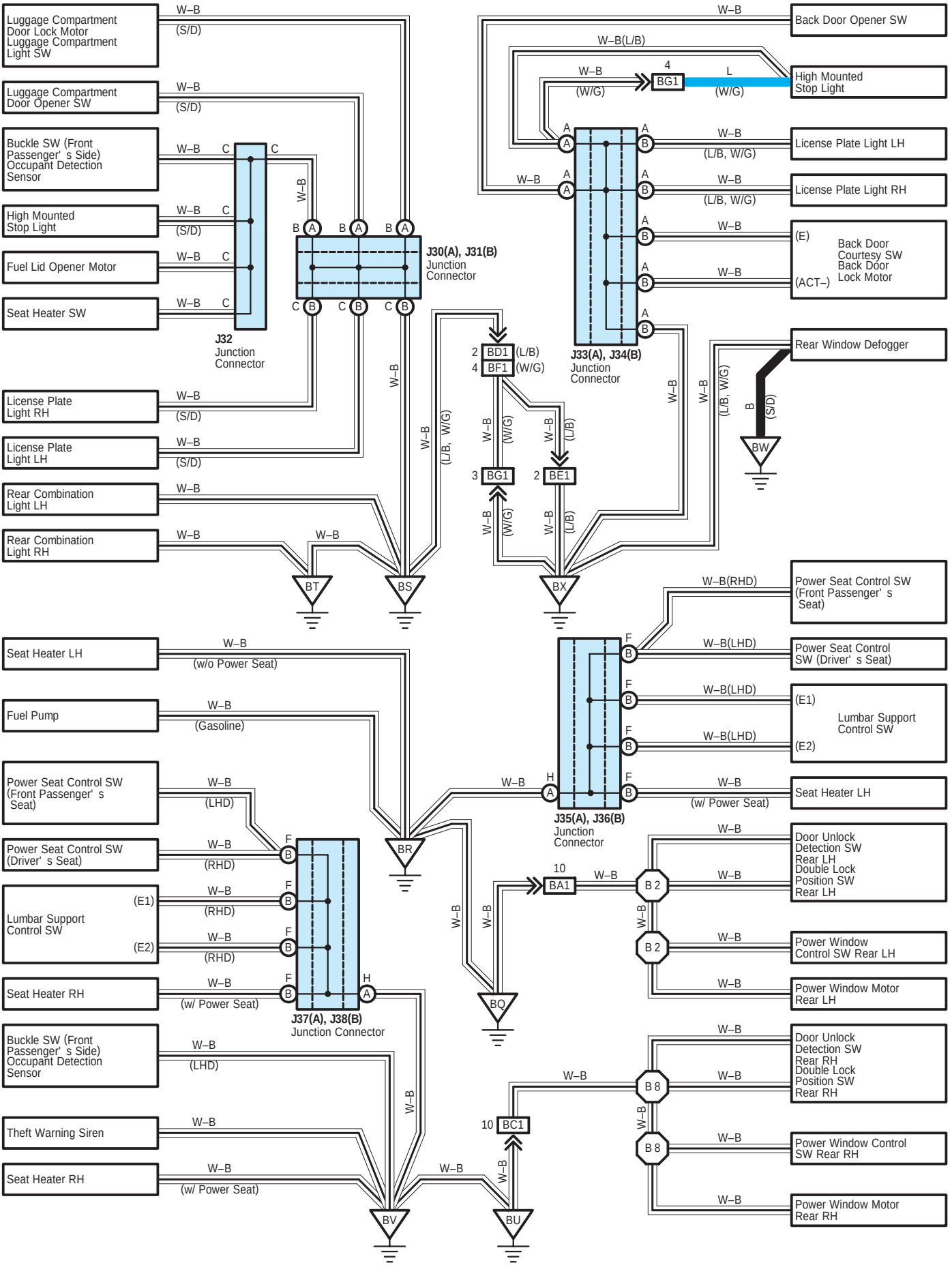

Glow Plug Relay
HTR1 Relay
HTR2 Relay
Engine ECU
(M/T)
(E1)
(E02)
(E01)
Throttle
Position SW
Electronic
Driver Unit
3
I 3
BR
W–B
(1CD–FTV)
EI
Engine Oil Level
Sensor
Fuel Filter
Warning SW
Fuel Heater
(EOM) Engine ECU
(M/T)
(SG) DLC3
Combination SW
J12(A), J13(B)
Junction Connector

http://vnx.su

I GROUND POINT

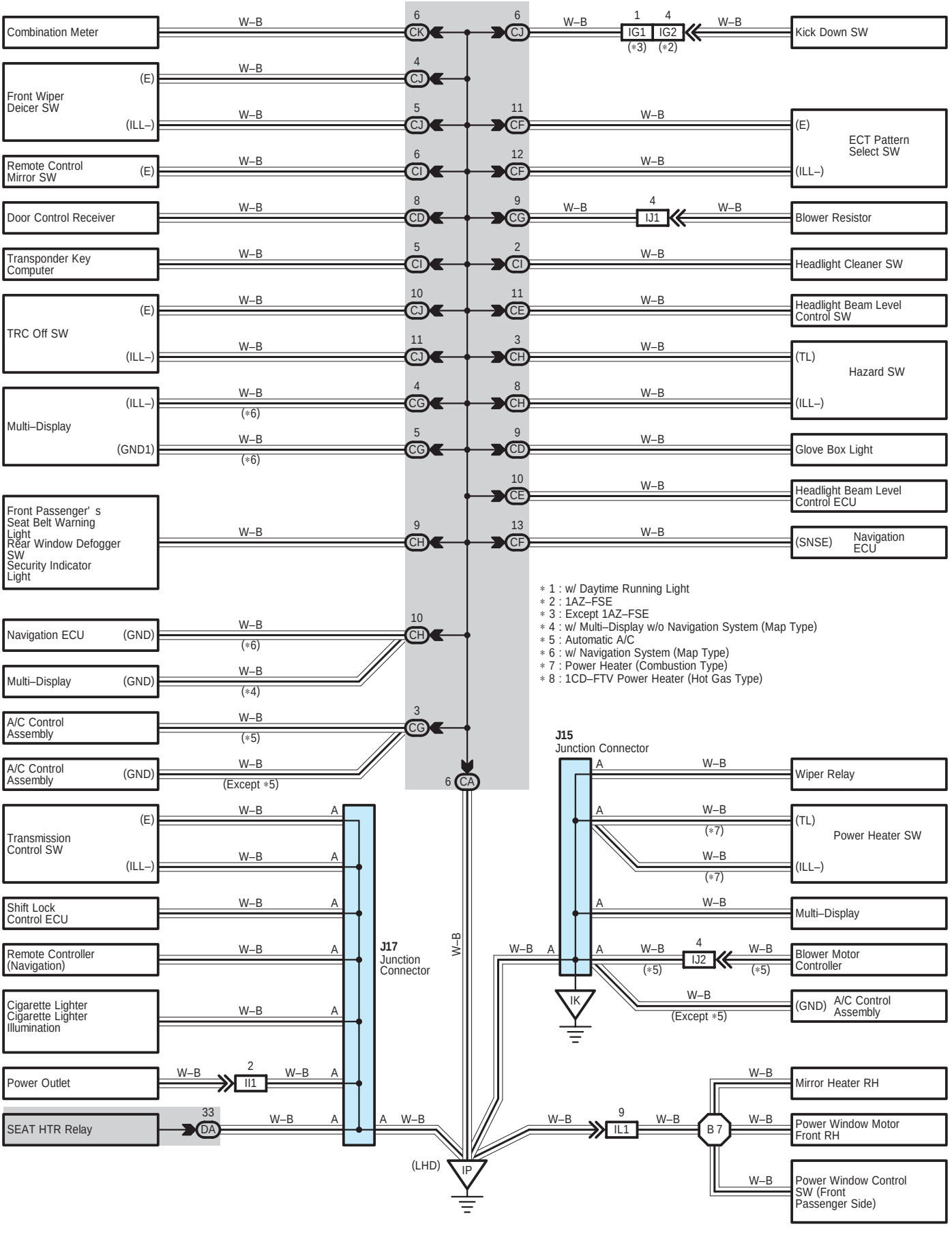


http://vnx.su

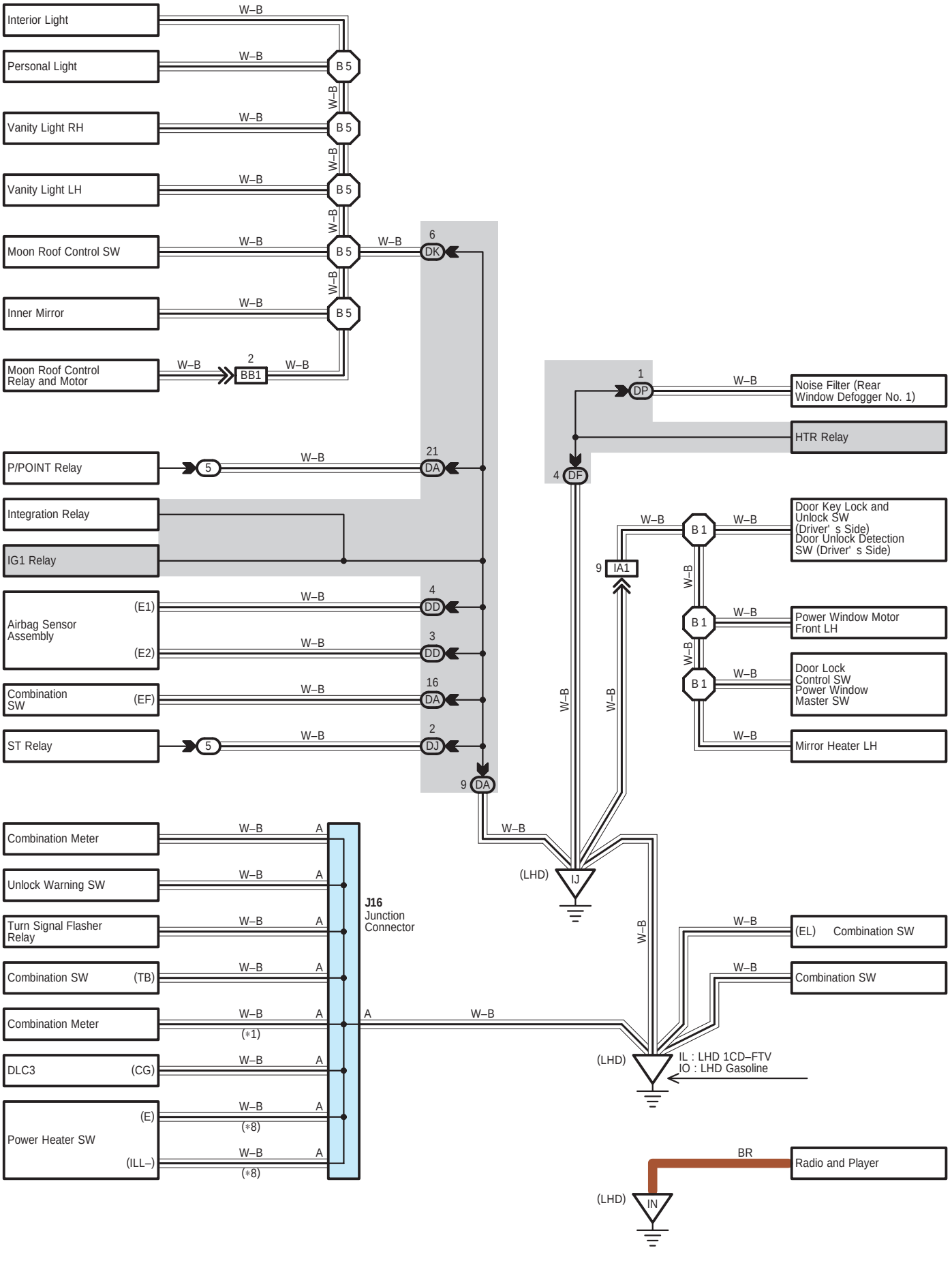

Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
Luggage Compartment Door Opener SW
Buckle SW (Front Passenger' s Side) Occupant Detection Sensor
High Mounted Stop Light
Fuel Lid Opener Motor
Seat Heater SW
J32 Junction Connector
J30(A), J31(B) Junction Connector
J33(A), J34(B) Junction Connector
Back Door Opener SW
High Mounted Stop Light
License Plate Light LH
License Plate Light RH
Back Door Courtesy SW
Back Door Lock Motor
Rear Window Defogger
License Plate Light RH
License Plate Light LH
Rear Combination Light LH
Rear Combination Light RH
BT
BS
BX
BW
Power Seat Control SW (Front Passenger' s Seat)
Power Seat Control SW (Driver' s Seat)
Seat Heater LH
Fuel Pump
Lumbar Support Control SW
Seat Heater RH
J35(A), J36(B) Junction Connector
J37(A), J38(B) Junction Connector
BR
BQ
BV
BU
Door Unlock Detection SW Rear LH
Double Lock Position SW Rear LH
Power Window Control SW Rear LH
Power Window Motor Rear LH
Door Unlock Detection SW Rear RH
Double Lock Position SW Rear RH
Power Window Control SW Rear RH
Power Window Motor Rear RH
Theft Warning Siren

http://vnx.su

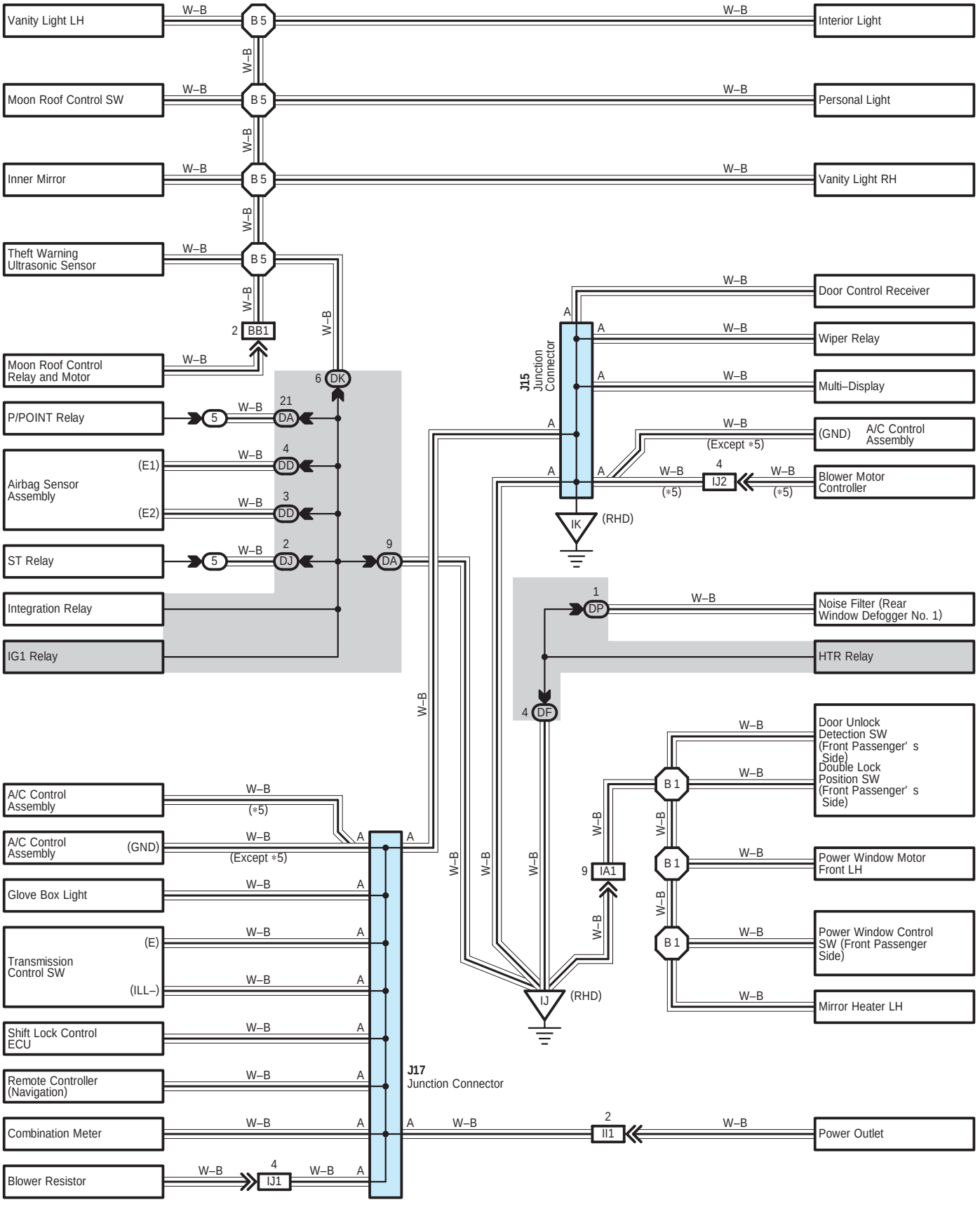
I GROUND POINT



http://vnx.su


Interior Light
Personal Light
Vanity Light RH
Vanity Light LH
Moon Roof Control SW
Inner Mirror
Moon Roof Control Relay and Motor
P/POINT Relay
Integration Relay
IG1 Relay
Airbag Sensor Assembly
(E1)
(E2)
Combination SW
(EF)
ST Relay
Combination Meter
Unlock Warning SW
Turn Signal Flasher Relay
Combination SW
(TB)
Combination Meter
(*1)
DLC3
(CG)
Power Heater SW
(E)
(ILL–)
(*8)
W–B
B 5
BB1
DK
DA
DD
DJ
DP
DF
IA1
B 1
J16
Junction Connector
(LHD)
IJ
IL
IO
IN
Noise Filter (Rear Window Defogger No. 1)
HTR Relay
Door Key Lock and Unlock SW (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
Power Window Motor Front LH
Door Lock Control SW
Power Window Master SW
Mirror Heater LH
(EL) Combination SW
Combination SW
IL : LHD 1CD–FTV
IO : LHD Gasoline
BR
Radio and Player

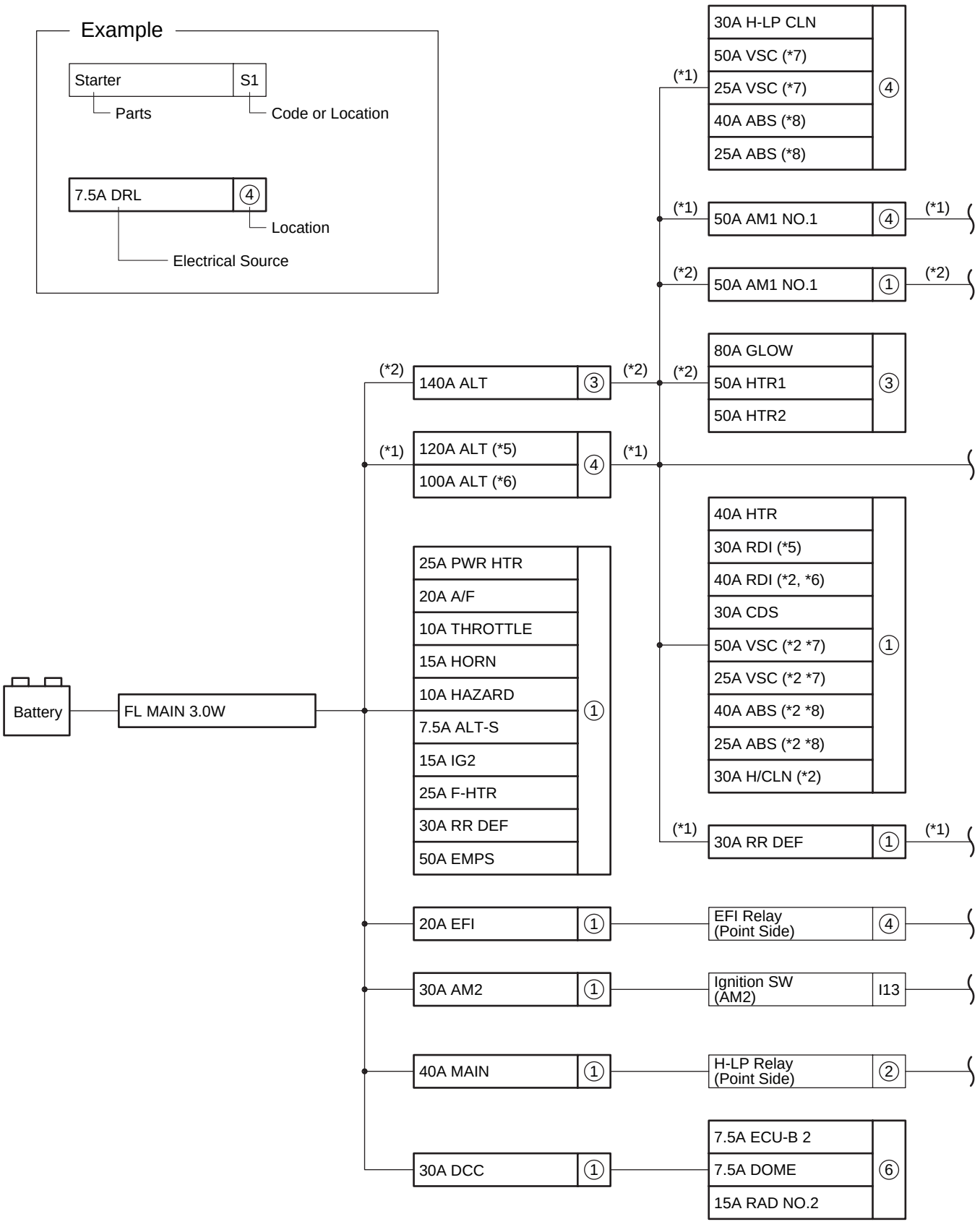
http://vnx.su


Vanity Light LH
Moon Roof Control SW
Inner Mirror
Theft Warning Ultrasonic Sensor
Moon Roof Control Relay and Motor
P/POINT Relay
Airbag Sensor Assembly
(E1)
(E2)
ST Relay
Integration Relay
IG1 Relay
B 5
BB1
W–B
Interior Light
Personal Light
Vanity Light RH
Door Control Receiver
Wiper Relay
Multi–Display
(GND) A/C Control Assembly
Blower Motor Controller
(Except ∗5)
(∗5)
J15 Junction Connector
IK
(RHD)
Noise Filter (Rear Window Defogger No. 1)
HTR Relay
Door Unlock Detection SW (Front Passenger' s Side)
Double Lock Position SW (Front Passenger' s Side)
Power Window Motor Front LH
Power Window Control SW (Front Passenger Side)
Mirror Heater LH
IJ
IA1
B 1
A/C Control Assembly
(GND)
Glove Box Light
Transmission Control SW
(E)
(ILL–)
Shift Lock Control ECU
Remote Controller (Navigation)
Combination Meter
Blower Resistor
J17 Junction Connector
IJ1
II1
Power Outlet

http://vnx.su

J POWER SOURCE (Current Flow Chart)

The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other Parts.



http://vnx.su

[LOCATION]

① : Engine Room R/B No.1 (See Page 24 (*1) or 25 (*2))

② : Engine Room R/B No.2 (See Page 26)

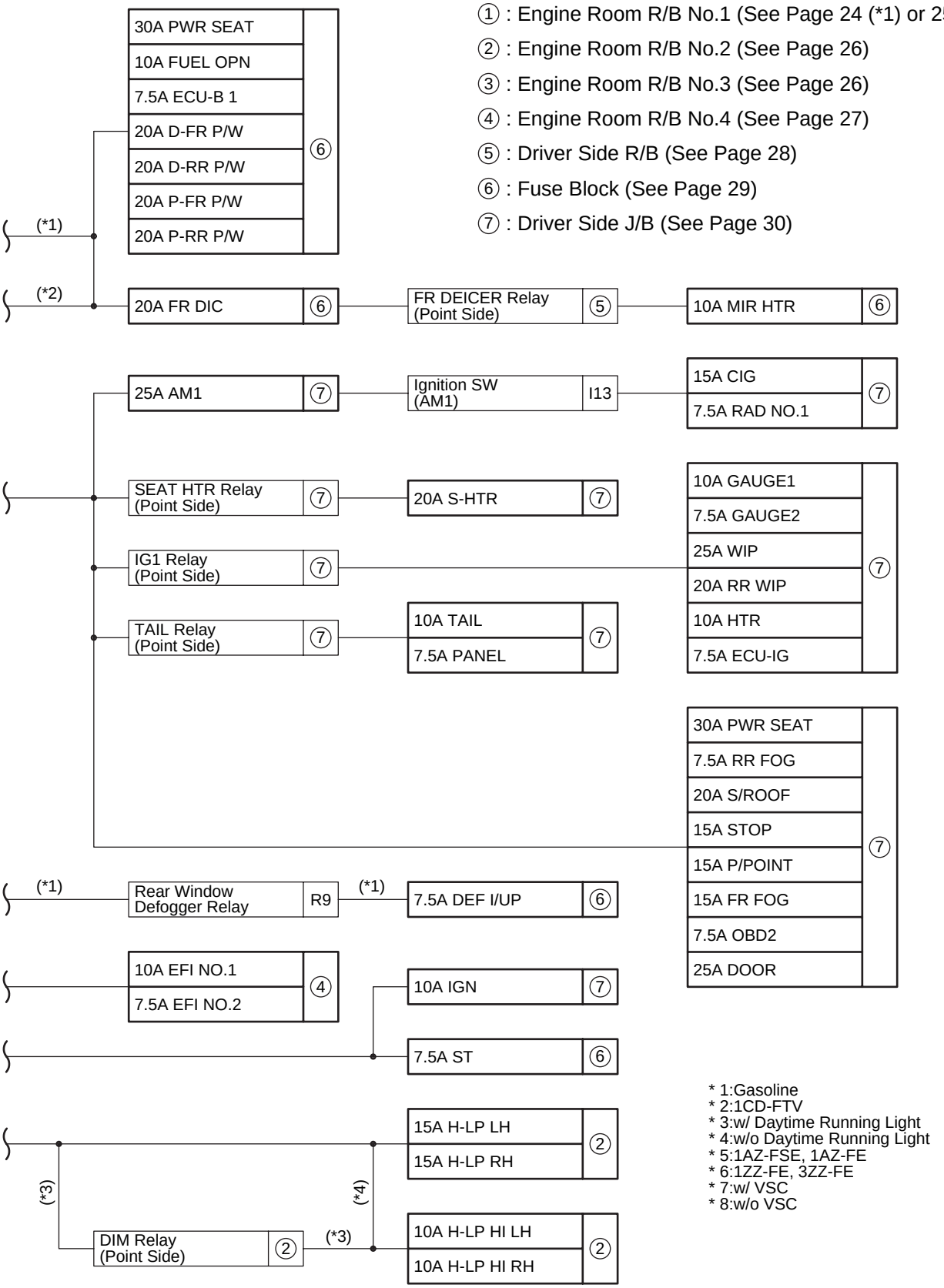
③ : Engine Room R/B No.3 (See Page 26)

④ : Engine Room R/B No.4 (See Page 27)

⑤ : Driver Side R/B (See Page 28)

⑥ : Fuse Block (See Page 29)

⑦ : Driver Side J/B (See Page 30)



* 1:Gasoline
* 2:1CD-FTV
* 3:w/ Daytime Running Light
* 4:w/o Daytime Running Light
* 5:1AZ-FSE, 1AZ-FE
* 6:1ZZ-FE, 3ZZ-FE
* 7:w/ VSC
* 8:w/o VSC

http://vnx.su

Driver Side J/B (See Page 30)

Fuse		System	Page
7.5A	ECU–IG	ABS	348
		Charging	126
		EPS	364
		Fuel Heater	446
		Radiator Fan and Condenser Fan (1AZ–FSE, 1AZ–FE)	496
		Radiator Fan and Condenser Fan (1CD–FTV)	500
		Radiator Fan (1ZZ–FE, 3ZZ–FE)	498
		VSC	338
7.5A	GAUGE2	ABS	348
		Back–Up Light	254
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Headlight Beam Level Control (w/ HID)	276
		Navigation System (Map Type)	472
		Turn Signal and Hazard Warning Light	244
7.5A	OBD2	Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1CD–FTV)	174
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
7.5A	PANEL	Headlight (w/ Daytime Running Light)	222
		Illumination	256
		Key Reminder and Light Reminder	290
		Multiplex Communication System (LHD)	192
7.5A	RAD NO.1	Combination Meter	488
		Door Lock Control (RHD) and Theft Deterrent	374
		Headlight (w/ Daytime Running Light)	222
		Interior Light (LHD)	264
		Interior Light (RHD)	270
		Moon Roof	436
		Multi–Display (w/o Navigation System Map Type)	480
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Navigation System (Map Type)	472
		Power Outlet	452
		Power Window (LHD)	412
		Power Window (RHD)	418
		Radio and Player	484
		Remote Control Mirror	462
7.5A	RR FOG	Rear Fog Light	236

* These are the page numbers of the first page on which the related system is shown.

http://vnx.su

Fuse		System	Page
10A	GAUGE1	ABS	348
		Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510
		Automatic Glare–Resistant EC Mirror	448
		Charging	126
		Combination Meter	488
		Cruise Control (1AZ–FSE)	322
		Cruise Control (1CD–FTV)	330
		Door Lock Control (RHD) and Theft Deterrent	374
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1CD–FTV)	174
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		EPS	364
		Front Window Deicer	454
		Headlight Beam Level Control (w/ HID)	276
		Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
		Headlight (w/ Daytime Running Light)	222
		Illumination	256
		Interior Light (LHD)	264
		Interior Light (RHD)	270
		Key Reminder and Light Reminder	290
		Mirror Heater	460
		Moon Roof	436
		Multi–Display (w/o Navigation System Map Type)	480
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Navigation System (Map Type)	472
		Power Window (LHD)	412
		Power Window (RHD)	418
		Rear Window Defogger	456
		Seat Belt Warning	294
		Shift Lock	440
		SRS	355
		VSC	338
10A	HTR	Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510

* These are the page numbers of the first page on which the related system is shown.

http://vnx.su

J POWER SOURCE (Current Flow Chart)

Fuse		System	Page
10A	HTR	Heater	518
		Power Heater (Combustion Type)	528
		Power Heater (Electrical Type)	524
		Seat Heater	468
10A	IGN	ABS	348
		Combination Meter	488
		Cruise Control (1AZ–FSE)	322
		Cruise Control (1CD–FTV)	330
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1CD–FTV)	174
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		Engine Immobiliser System	188
		EPS	364
		Headlight Beam Level Control (w/ HID)	276
		Ignition	130
		Seat Belt Warning	294
		SRS	355
		VSC	338
10A	TAIL	Combination Meter	488
		Cruise Control (1AZ–FSE)	322
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		Front Fog Light	232
		Headlight Beam Level Control (w/o HID)	280
		Illumination	256
		Key Reminder and Light Reminder	290
		Rear Fog Light	236
		Taillight	240
15A	CIG	Cigarette Lighter	450
15A	FR FOG	Front Fog Light	232
15A	P/POINT	Power Outlet	452
15A	STOP	ABS	348
		Cruise Control (1AZ–FSE)	322
		Cruise Control (1CD–FTV)	330
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134

* These are the page numbers of the first page on which the related system is shown.

http://vnx.su

Fuse		System	Page
15A	STOP	Engine Control (1CD–FTV)	174
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		Shift Lock	440
		Stop Light	250
		VSC	338
20A	RR WIP	Rear Wiper and Washer	432
20A	S–HTR	Seat Heater	468
20A	S/ROOF	Moon Roof	436
25A	DOOR	Door Lock Control (LHD)	368
		Door Lock Control (RHD) and Theft Deterrent	374
		Double Locking	404
		Headlight (w/ Daytime Running Light)	222
		Interior Light (LHD)	264
		Interior Light (RHD)	270
		Key Reminder and Light Reminder	290
		Moon Roof	436
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Power Window (LHD)	412
		Power Window (RHD)	418
		Wireless Door Lock Control (LHD)	388
		Wireless Door Lock Control (RHD)	396
25A	WIP	Front Wiper and Washer (w/ Auto Wiper System)	424
		Front Wiper and Washer (w/o Auto Wiper System)	428
		Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
30A	PWR SEAT	Power Seat	464

Engine Room R/B No.1 (1CD–FTV) (See Page 25)

Fuse		System	Page
7.5A	ALT–S	Charging	126
10A	HAZARD	Turn Signal and Hazard Warning Light	244
15A	HORN	Door Lock Control (RHD) and Theft Deterrent	374
		Horn	442
		Multiplex Communication System (RHD)	206
15A	IG2	Ignition	130
20A	EFI	Cruise Control (1CD–FTV)	330
		Engine Control (1CD–FTV)	174
25A	ABS (w/o VSC)	ABS	348
25A	F–HTR	Fuel Heater	446
25A	PWR HTR	Power Heater (Combustion Type)	528
25A	VSC (w/ VSC)	VSC	338
30A	AM2	Starting	124

* These are the page numbers of the first page on which the related system is shown.

http://vnx.su

J POWER SOURCE (Current Flow Chart)

Fuse		System	Page
30A	CDS	Radiator Fan and Condenser Fan (1CD–FTV)	500
30A	H/CLN	Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
30A	RR DEF	Rear Window Defogger	456
40A	ABS (w/o VSC)	ABS	348
40A	HTR	Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510
		Heater	518
		Power Heater (Electrical Type)	524
40A	MAIN	Headlight Beam Level Control (w/ HID)	276
		Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
		Headlight (w/ Daytime Running Light)	222
		Headlight (w/o Daytime Running Light)	228
		Multiplex Communication System (LHD)	192
		Power Heater (Electrical Type)	524
40A	RDI	Radiator Fan and Condenser Fan (1CD–FTV)	500
50A	VSC (w/ VSC)	VSC	338

Engine Room R/B No.1 (Gasoline) (See Page 24)

Fuse		System	Page
7.5A	ALT–S	Charging	126
10A	HAZARD	Turn Signal and Hazard Warning Light	244
10A	THROTTLE	ECT and A/T Indicator (1AZ–FSE)	298
		Engine Control (1AZ–FSE)	134
15A	HORN	Door Lock Control (RHD) and Theft Deterrent	374
		Horn	442
		Multiplex Communication System (RHD)	206
15A	IG2	Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		Ignition	130
20A	A/F	Engine Control (1AZ–FE)	148
20A	EFI	ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
30A	AM2	Starting	124
30A	CDS	Radiator Fan and Condenser Fan (1AZ–FSE, 1AZ–FE)	496

∗ These are the page numbers of the first page on which the related system is shown.

http://vnx.su

Fuse		System	Page
30A	H/CLN	Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
30A	RDI (1AZ–FSE, 1AZ–FE)	Radiator Fan and Condenser Fan (1AZ–FSE, 1AZ–FE)	496
30A	RR DEF	Rear Window Defogger	456
40A	HTR	Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510
		Heater	518
40A	MAIN	Headlight Beam Level Control (w/ HID)	276
		Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
		Headlight (w/ Daytime Running Light)	222
		Headlight (w/o Daytime Running Light)	228
		Multiplex Communication System (LHD)	192
40A	RDI (1ZZ–FE, 3ZZ–FE)	Radiator Fan (1ZZ–FE, 3ZZ–FE)	498
50A	EMPS	EPS	364

Engine Room R/B No.2 (See Page 26)

Fuse		System	Page
10A	H–LP HI LH	Headlight (w/ Daytime Running Light)	222
		Headlight (w/o Daytime Running Light)	228
		Multiplex Communication System (LHD)	192
10A	H–LP HI RH	Combination Meter	488
		Headlight (w/ Daytime Running Light)	222
		Headlight (w/o Daytime Running Light)	228
		Multiplex Communication System (LHD)	192
15A	H–LP LH	Headlight (w/ Daytime Running Light)	222
		Headlight (w/o Daytime Running Light)	228
		Multiplex Communication System (LHD)	192
15A	H–LP RH	Combination Meter	488
		Headlight (w/ Daytime Running Light)	222
		Headlight (w/o Daytime Running Light)	228
		Multiplex Communication System (LHD)	192

Engine Room R/B No.3 (See Page 26)

Fuse		System	Page
50A	HTR1	Power Heater (Electrical Type)	524
50A	HTR2	Power Heater (Electrical Type)	524
80A	GLOW	Engine Control (1CD–FTV)	174
140A	ALT	Charging	126
		Front Fog Light	232
		Headlight Beam Level Control (w/o HID)	280
		Headlight (w/ Daytime Running Light)	222

* These are the page numbers of the first page on which the related system is shown.

http://vnx.su

J POWER SOURCE (Current Flow Chart)

Fuse		System	Page
140A	ALT	Illumination	256
		Key Reminder and Light Reminder	290
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Rear Fog Light	236
		Seat Heater	468
		Taillight	240

Engine Room R/B No.4 (See Page 27)

Fuse		System	Page
7.5A	EFI NO.2	Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
10A	EFI NO.1	Cruise Control (1AZ–FSE)	322
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
25A	ABS (w/o VSC)	ABS	348
25A	VSC (w/ VSC)	VSC	338
30A	H–LP CLN	Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
40A	ABS (w/o VSC)	ABS	348
50A	VSC (w/ VSC)	VSC	338
100A	ALT (1ZZ–FE, 3ZZ–FE)	Charging	126
		Front Fog Light	232
		Headlight Beam Level Control (w/o HID)	280
		Headlight (w/ Daytime Running Light)	222
		Illumination	256
		Key Reminder and Light Reminder	290
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Rear Fog Light	236
		Seat Heater	468
		Taillight	240
120A	ALT (1AZ–FSE, 1AZ–FE)	Charging	126
		Front Fog Light	232
		Headlight Beam Level Control (w/o HID)	280
		Headlight (w/ Daytime Running Light)	222
		Illumination	256
		Key Reminder and Light Reminder	290
		Multiplex Communication System (LHD)	192

∗ These are the page numbers of the first page on which the related system is shown.

http://vnx.su

Fuse		System	Page
120A	ALT (1AZ–FSE, 1AZ–FE)	Multiplex Communication System (RHD)	206
		Rear Fog Light	236
		Seat Heater	468
		Taillight	240

Fuse Block (See Page 29)

Fuse		System	Page
7.5A	DEF I/UP	Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510
		Heater	518
		Rear Window Defogger	456
7.5A	DOME	ABS	348
		Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510
		Charging	126
		Combination Meter	488
		Cruise Control (1AZ–FSE)	322
		Cruise Control (1CD–FTV)	330
		Door Lock Control (RHD) and Theft Deterrent	374
		Double Locking	404
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1CD–FTV)	174
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		EPS	364
		Headlight Beam Level Control (w/ HID)	276
		Headlight (w/ Daytime Running Light)	222
		Illumination	256
		Interior Light (LHD)	264
		Interior Light (RHD)	270
		Key Reminder and Light Reminder	290
		Moon Roof	436
		Multi–Display (w/o Navigation System Map Type)	480
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Navigation System (Map Type)	472
		Seat Belt Warning	294
		SRS	355

* These are the page numbers of the first page on which the related system is shown.

http://vnx.su

J POWER SOURCE (Current Flow Chart)

Fuse		System	Page
7.5A	DOME	VSC	338
		Wireless Door Lock Control (RHD)	396
7.5A	ECU–B 1	Engine Immobiliser System	188
7.5A	ECU–B 2	Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510
		Door Lock Control (LHD)	368
		Door Lock Control (RHD) and Theft Deterrent	374
		Double Locking	404
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
		Headlight (w/ Daytime Running Light)	222
		Heater	518
		Interior Light (LHD)	264
		Interior Light (RHD)	270
		Key Reminder and Light Reminder	290
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Power Heater (Electrical Type)	524
		Power Window (LHD)	412
		Power Window (RHD)	418
		Wireless Door Lock Control (LHD)	388
		Wireless Door Lock Control (RHD)	396
7.5A	ST	Cruise Control (1AZ–FSE)	322
		Cruise Control (1CD–FTV)	330
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1CD–FTV)	174
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		Navigation System (Map Type)	472
		Starting	124
10A	FUEL OPN	Fuel Lid Opener	444
10A	MIR HTR	Mirror Heater	460
15A	RAD NO.2	Multi–Display (w/o Navigation System Map Type)	480
		Navigation System (Map Type)	472
		Radio and Player	484
20A	D–FR P/W	Power Window (LHD)	412
		Power Window (RHD)	418

∗ These are the page numbers of the first page on which the related system is shown.

http://vnx.su

Fuse		System	Page
20A	D–RR P/W	Power Window (LHD) Power Window (RHD)	412 418
20A	FR DIC	Front Window Deicer Mirror Heater	454 460
20A	P–FR P/W	Power Window (LHD) Power Window (RHD)	412 418
20A	P–RR P/W	Power Window (LHD) Power Window (RHD)	412 418
30A	PWR SEAT	Power Seat	464

* These are the page numbers of the first page on which the related system is shown.

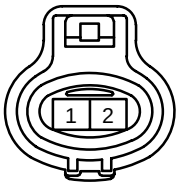
http://vnx.su

K CONNECTOR LIST

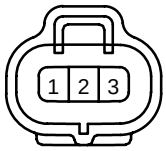
A 1
Gray



A 2
Black



A 3
Black



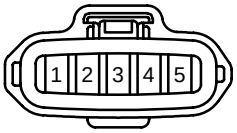
A 4



A 5



A 6
Black



A 7
Gray



A 8
Gray



A 9
Yellow



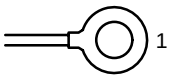
A10
Yellow



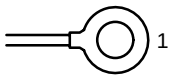
A11
Black



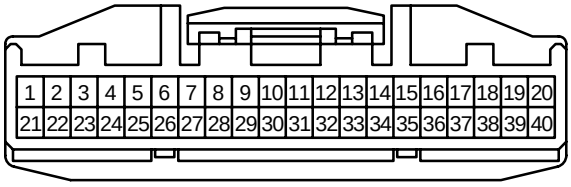
A12
(Except 1CD–FTV)



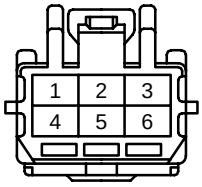
A12
(1CD–FTV)



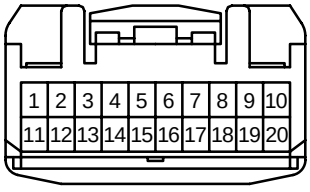
A13



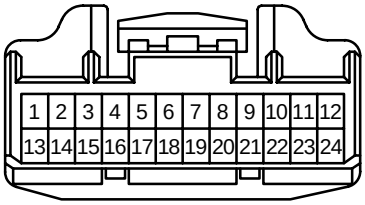
A14



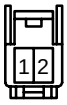
A15



A16



A17
Black



A18
Black



A19



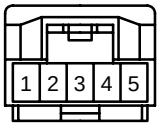
A20
Black



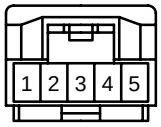
A21
Black



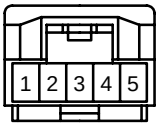
A22
Black



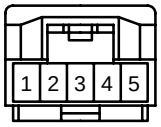
A23
Black



A24
Black



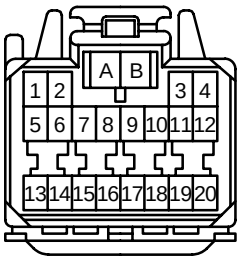
A25
Black



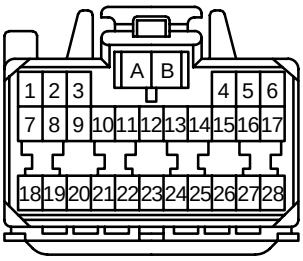
http://vnx.su

*1 : 1AZ–FSE, 1AZ–FE

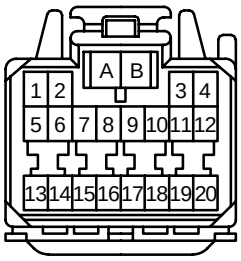
A26
Yellow



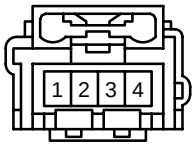
A27
Yellow



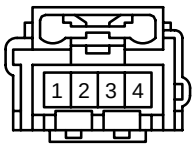
A28
Yellow



A29
Yellow



A30
Yellow



A31



A32



A33



B 1
Gray



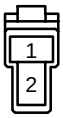
B 2
Black



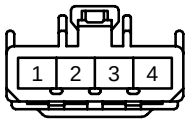
B 3
Black



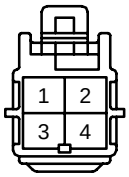
B 4



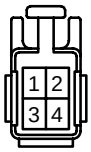
B 5
Black



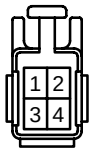
B 6
Black



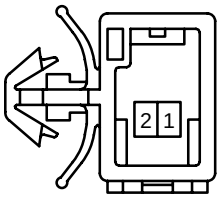
B 7
(L/B)



B 7
(W/G) Blue



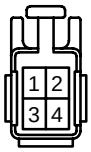
B 8



B 9
Gray



B10



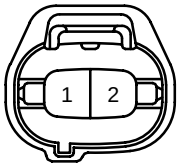
C 1
Black



C 2
Black



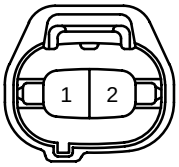
C 3
Gray



C 4



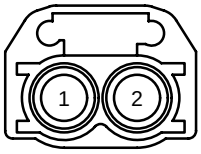
C 5
Black



C 6
(*1) Gray



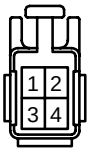
C 6
(1CD–FTV) Black



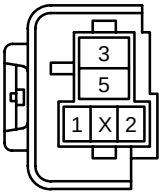
C 6
(1ZZ–FE, 3ZZ–FE) Black



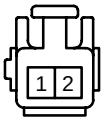
C 7
Black



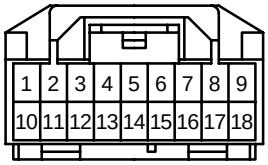
C 8



C 9



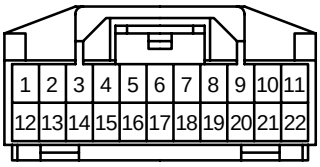
C10
Blue



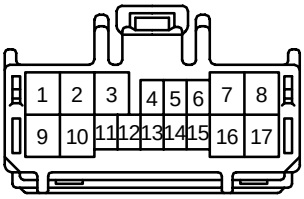
http://vnx.su

K CONNECTOR LIST

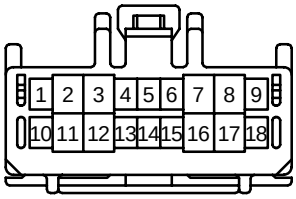
C11



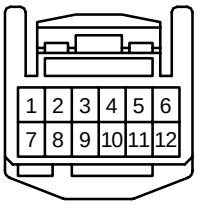
C12



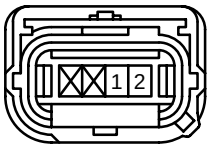
C13
Black



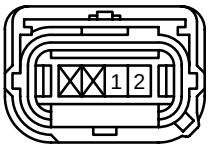
C14



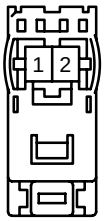
C15
Yellow



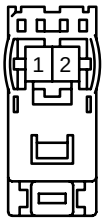
C16
Yellow



C17
Black



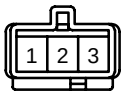
C18
Black



D 1
Black



D 2



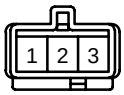
D 3
Black



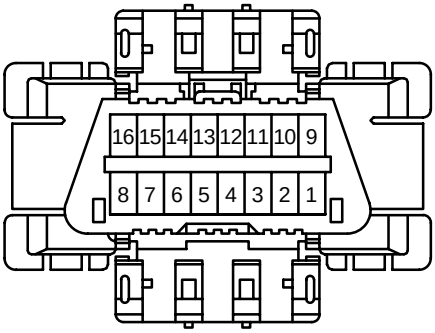
D 4
(Except 1CD–FTV)



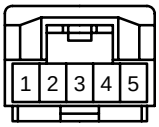
D 4
(1CD–FTV)



D 5



D 6



D 7



D 8



D 9



D10



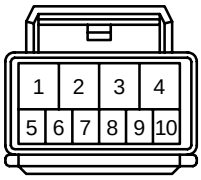
D11



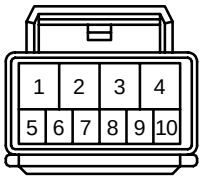
D12



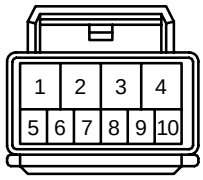
D13



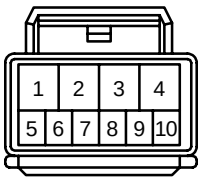
D14



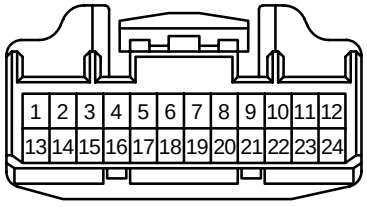
D15



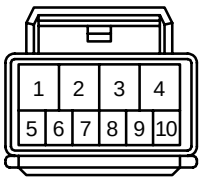
D16



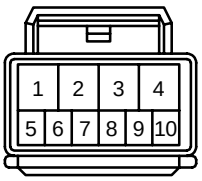
D17



D18

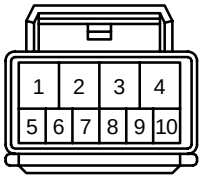


D19

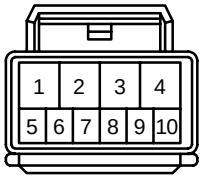


http://vnx.su

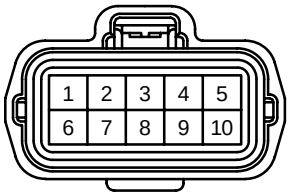
D20



D21



E 1
Gray



E 2
(Except 1AZ–FE) Gray



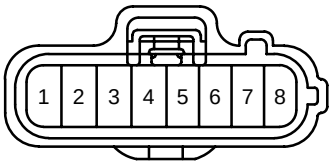
E 2
(1AZ–FE) Gray



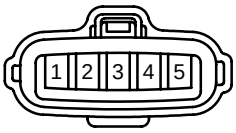
E 3
Black



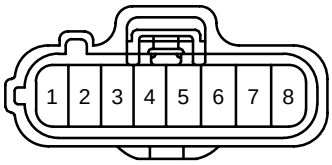
E 4
Black



E 5
(1AZ–FSE) Black



E 5
(1CD–FTV) Dark Gray



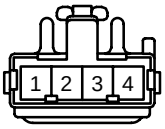
E 6
Black



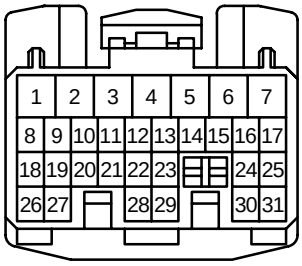
E 7
Gray



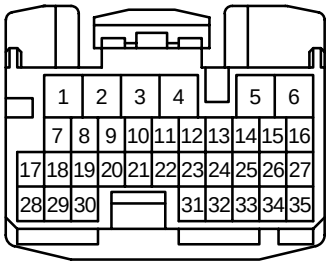
E 8
Black



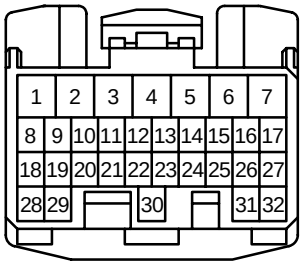
E 9



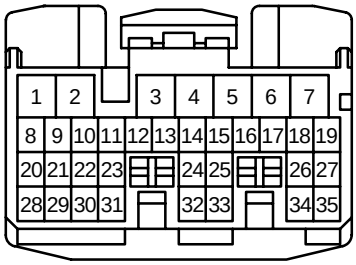
E10



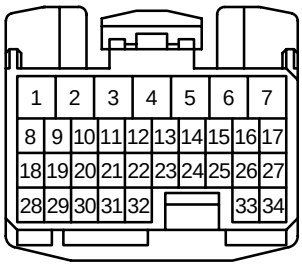
E11



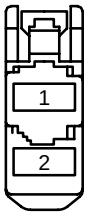
E12



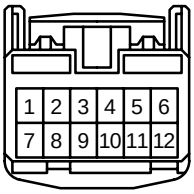
E13



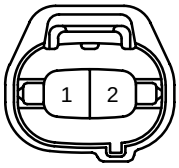
E14
Gray



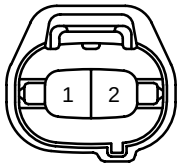
E15



F 1
Black



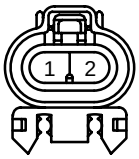
F 2
Black



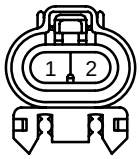
http://vnx.su

K CONNECTOR LIST

F 3
Brown



F 4
Brown



F 5
Gray



F 6
Gray



F 7



F 8



F 9



F10



F11
Black



F12
Black



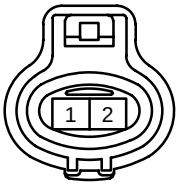
F13
Gray



F14
Gray



F15
Gray



F16
(1AZ–FSE) Gray



F16
(1CD–FTV) Black



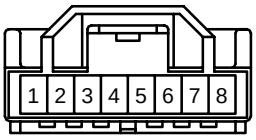
F17
Black



F18
Gray



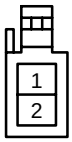
F19



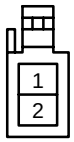
F20
Black



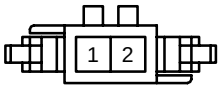
F21
Black



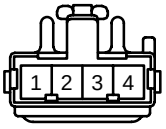
F22
Black



F23
Black



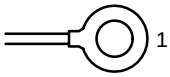
F24



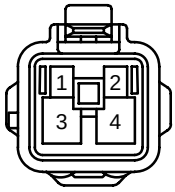
F25
Gray



G 1



G 2
Gray



G 3
Black



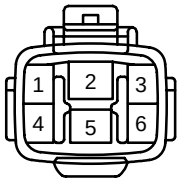
H 1
Gray



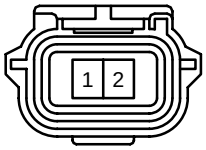
H 2
Gray



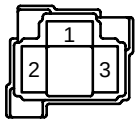
H 3
Black



H 4
Black

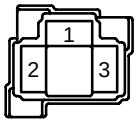


H 5



http://vnx.su

H 6



H 7
(1AZ–FSE) Gray



H 7
(1ZZ–FE, 3ZZ–FE) Gray



H 8
Black



H 9
Gray



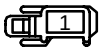
H10
Black



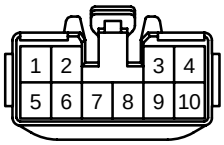
H11
Black



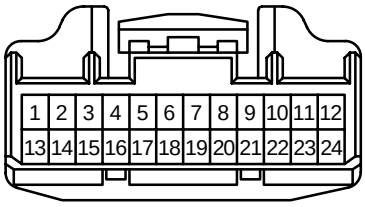
H12
Black



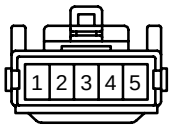
H13
Black



H14



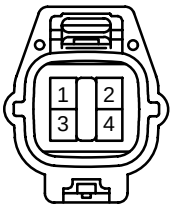
H15



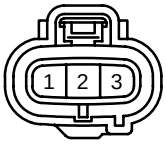
H16
Black



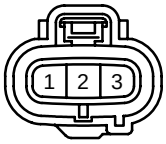
H17
Gray



H18
Black



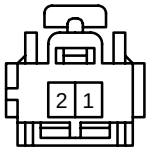
H19
Black



H20
(L/B)



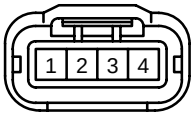
H20
(S/D) Gray



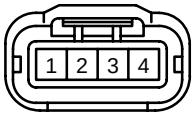
H20
(W/G) Black



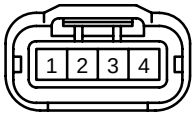
I 1
Black



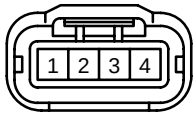
I 2
Gray



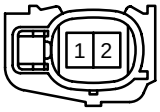
I 3
Black



I 4
Gray



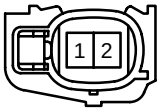
I 5
(Except 1AZ–FSE) Black



I 5
(1AZ–FSE) Black



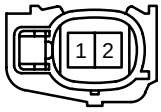
I 6
(Except 1AZ–FSE) Gray



I 6
(1AZ–FSE) Gray



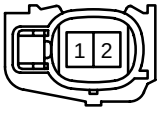
I 7
(Except 1AZ–FSE) Black



I 7
(1AZ–FSE) Black



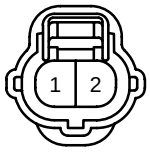
I 8
(Except 1AZ–FSE) Gray



I 8
(1AZ–FSE) Gray



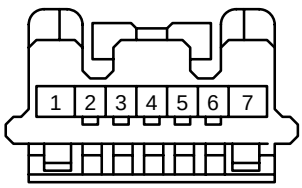
I 9
Gray



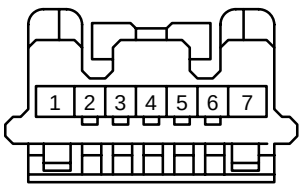
I10
Black



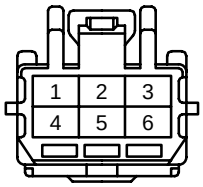
I11
Black



I12
Black



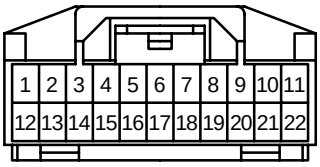
I13



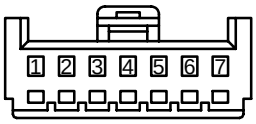
http://vnx.su

K CONNECTOR LIST

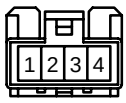
I14



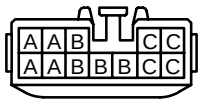
I15
Black



I16



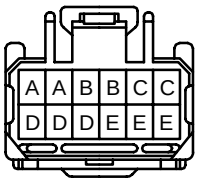
J 1
Gray



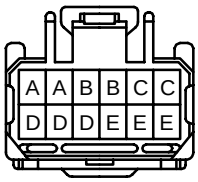
J 2
Black



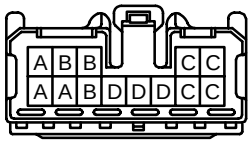
J 3



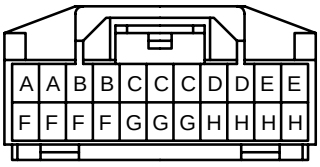
J 4



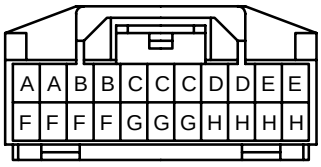
J 5



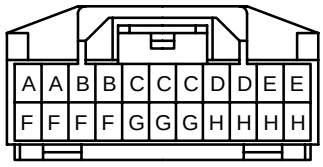
J 6



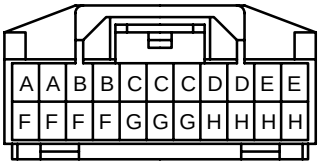
J 7



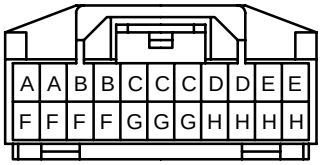
J 8
Black



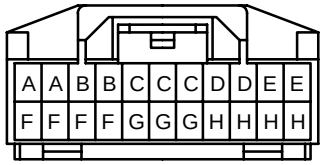
J 9
Black



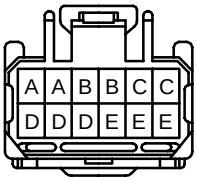
J10
Gray



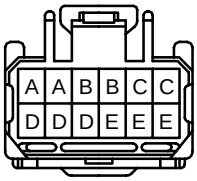
J11
Gray



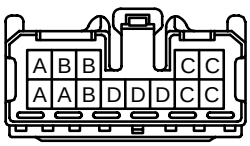
J12



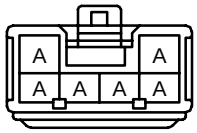
J13



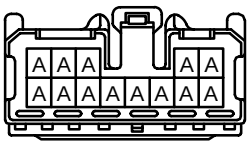
J14



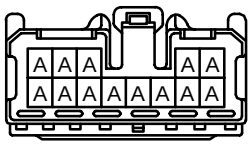
J15



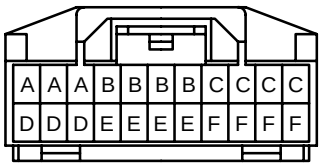
J16



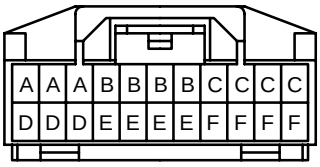
J17



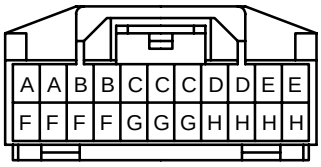
J18



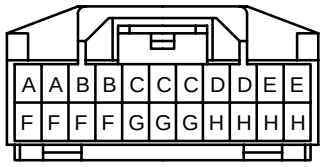
J19



J20

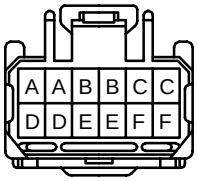


J21

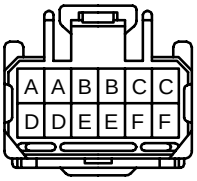


http://vnx.su

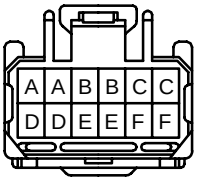
J22



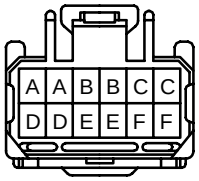
J23



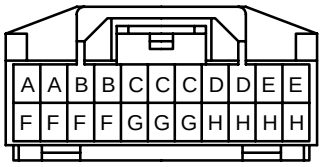
J24



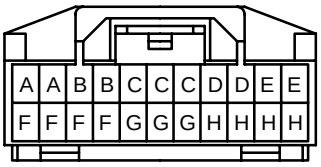
J25



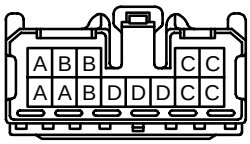
J26



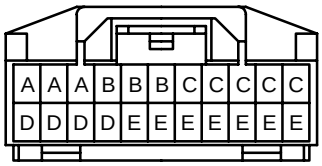
J27



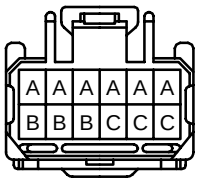
J28



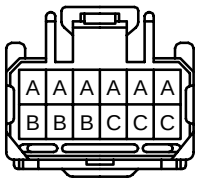
J29



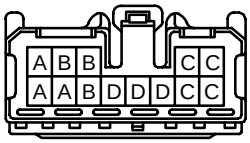
J30



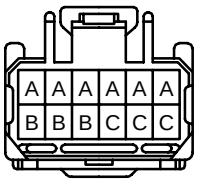
J31



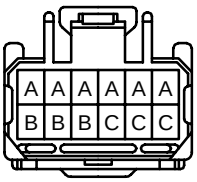
J32



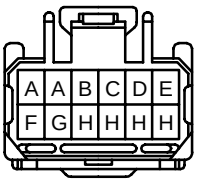
J33



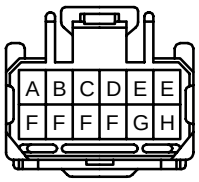
J34



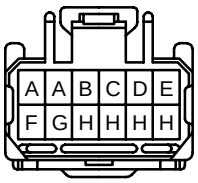
J35



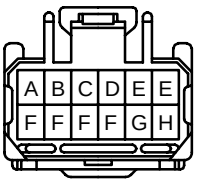
J36



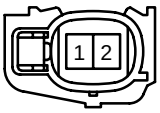
J37



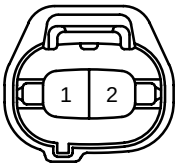
J38



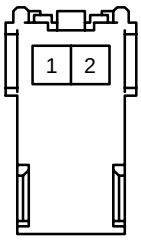
K 1
Black



K 2
Black



K 3
Yellow



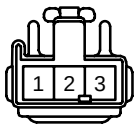
L 1
Black



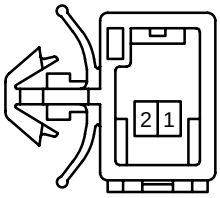
L 2
Black



L 3
Black



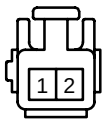
L 4



L 5



L 6

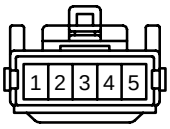


http://vnx.su

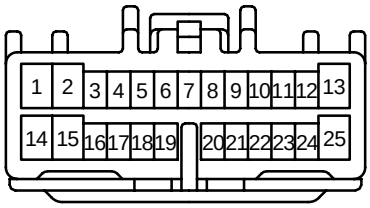
K CONNECTOR LIST

*2 : w/ Navigation System (Map Type)
*3 : w/o Navigation System (Map Type)
*4 : Power Heater (Combustion Type)
*5 : Power Heater (Hot Gas Type)

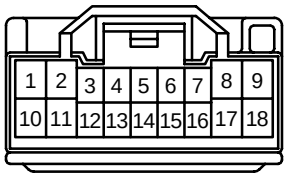
L 7



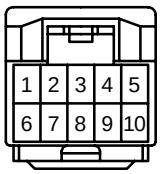
M 1 (*2)



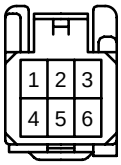
M 1 (*3)



M 2 (*2)



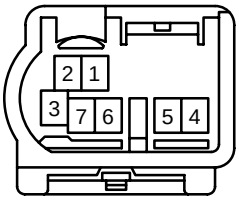
M 2 (*3)



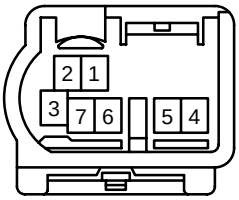
M 3



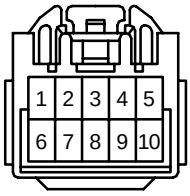
M 4



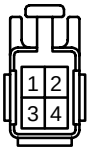
M 5



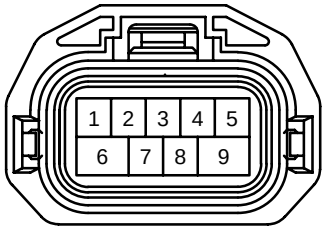
M 6 Gray



M 7



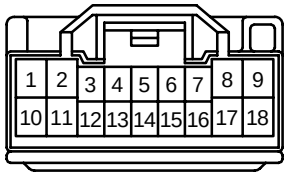
N 1 Gray



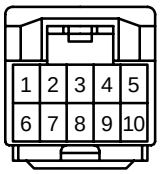
N 2 Gray



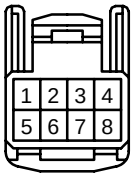
N 3



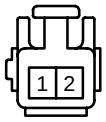
N 4



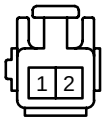
N 5



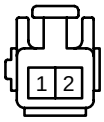
N 6



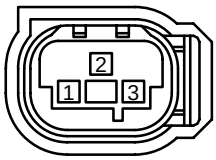
N 7



N 8



O 1 Black



O 2 Gray



P 1 Black



P 2 Black



P 3 Gray



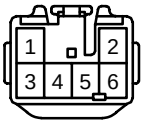
P 4 Black



P 5 (*4) Gray



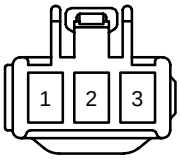
P 5 (*5)



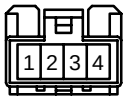
P 6 Black



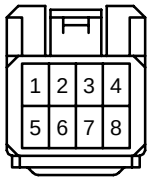
P 7



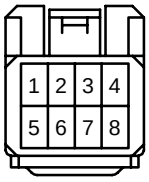
P 8



P 9

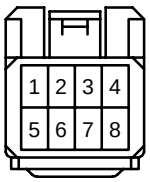


P10

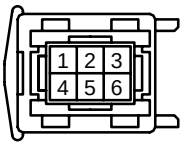


http://vnx.su

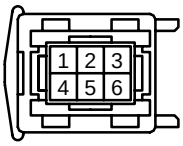
P11



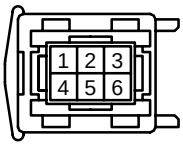
P12
Gray



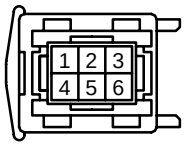
P13
Gray



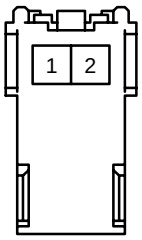
P14
Gray



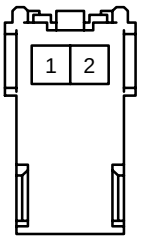
P15
Gray



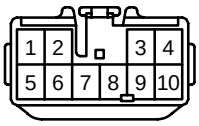
P16
Yellow



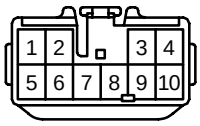
P17
Yellow



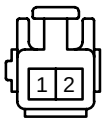
P18
Black



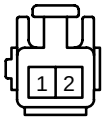
P19
Black



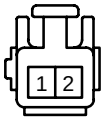
P20



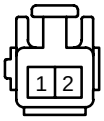
P21
Black



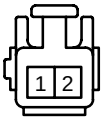
P22



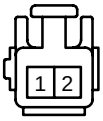
P23
Blue



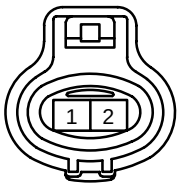
P24



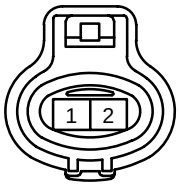
P25
Blue



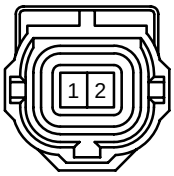
R 1
Gray



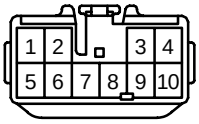
R 2
Black



R 3
Red



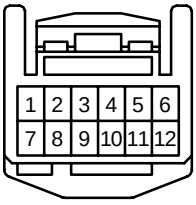
R 4



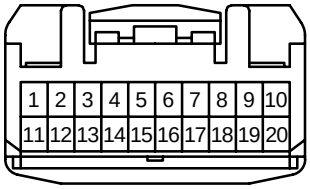
R 5



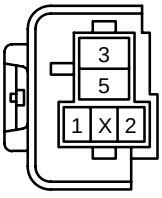
R 6



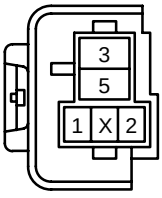
R 7



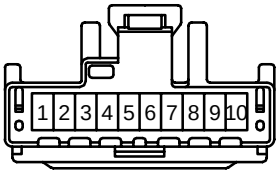
R 8



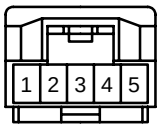
R 9



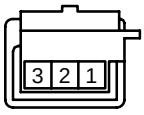
R10



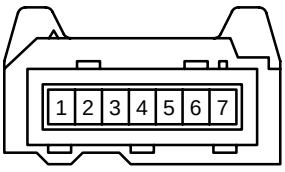
R11



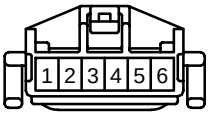
R12
Black



R13
(Except W/G) Black



R13
(W/G)

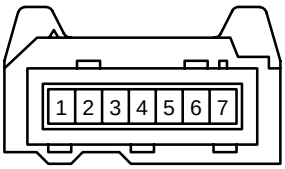


http://vnx.su

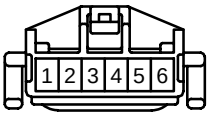
K CONNECTOR LIST

*1 : 1AZ–FSE, 1AZ–FE
*6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE

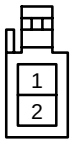
R14
(Except W/G) Black



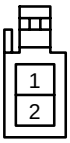
R14
(W/G)



R15
Black



R16
Black



R17



R18
(L/B)



R18
(S/D, W/G)



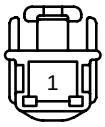
R19
(L/B)



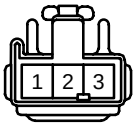
R19
(S/D)



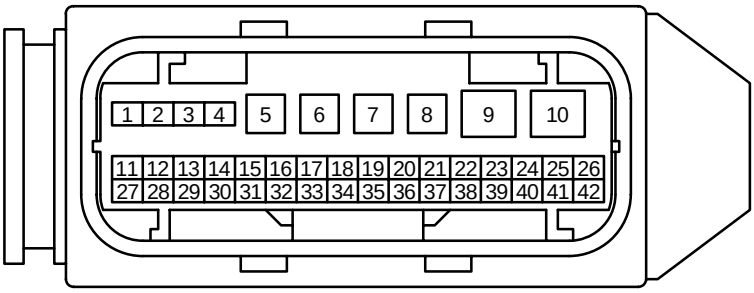
R19
(W/G)



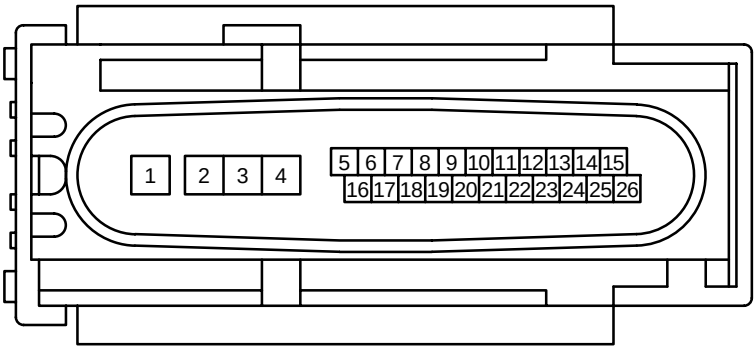
R20
Black



S 1
Black



S 2
Black



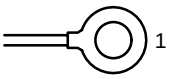
S 3
Gray



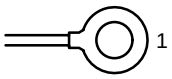
S 4
Black



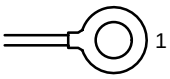
S 5
(*1)



S 5
(1CD–FTV)



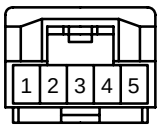
S 5
(1ZZ–FE, 3ZZ–FE)



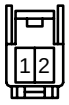
S 6
Gray



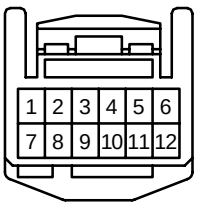
S 7
Black



S 8
Black



S 9



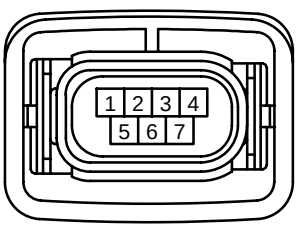
S10
Black



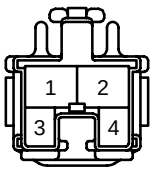
S11
Black



S12
Black



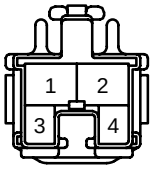
S13
(*6) Black



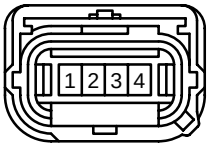
http://vnx.su

*7 : 1AZ–FSE, 1CD–FTV
*8 : w/ Curtain Shield Airbag
*9 : w/o Curtain Shield Airbag

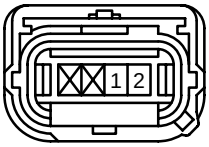
S13
(*7)



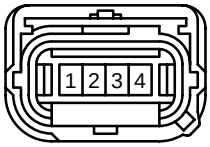
S14
(*8) Yellow



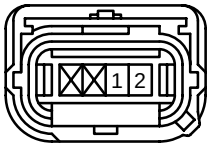
S14
(*9) Yellow



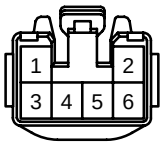
S15
(*8) Yellow



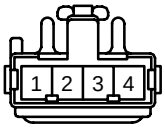
S15
(*9) Yellow



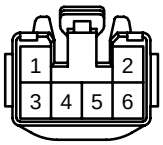
S16
(w/ Power Seat) Gray



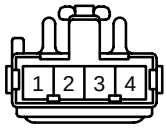
S16
(w/o Power Seat)



S17
(w/ Power Seat) Gray



S17
(w/o Power Seat)



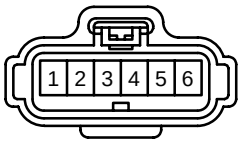
S18
Yellow



S19
Yellow



T 1
Black



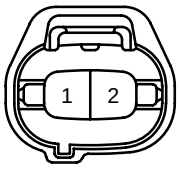
T 2
Black



T 3
Gray



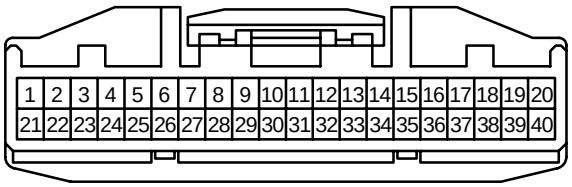
T 4
Black



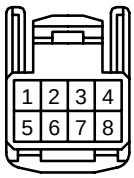
T 5
Black



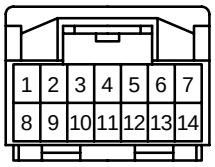
T 6



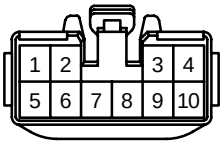
T 7



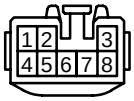
T 8



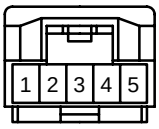
T 9
Black



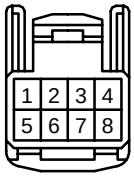
T10
Black



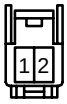
T11



T12



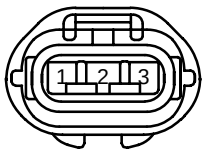
T13



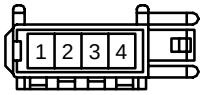
T14
Black



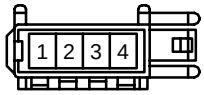
T15
Black



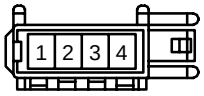
T16



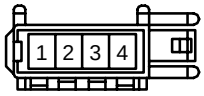
T17



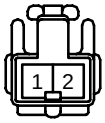
T18



T19



U 1
Black



V 1
Black



V 2
Black



http://vnx.su

K CONNECTOR LIST

V 3
Black



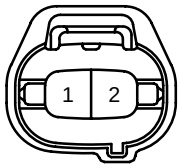
V 4
Black



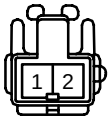
V 5
Blue



V 6
Brown



V 7
Black



V 8



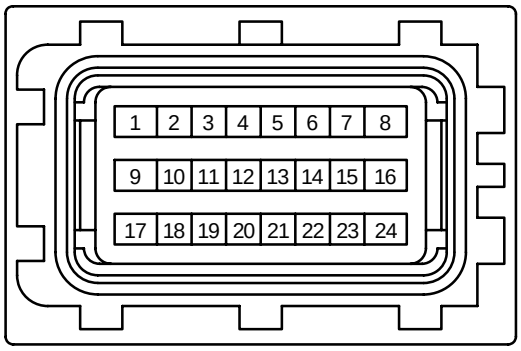
V 9



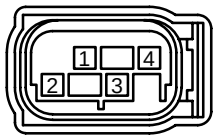
W 1



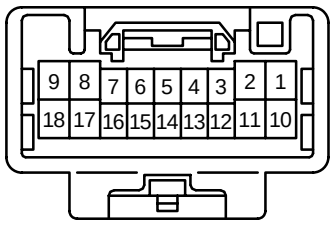
W 2
Black



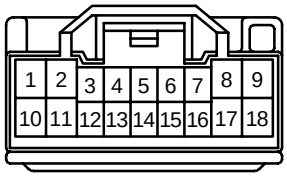
Y 1
Black



Z 1



Z 2



http://vnx.su

http://vnx.su

L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
A 1	A/C Ambient Temp. Sensor	90980–11030
A 2	A/C Condenser Fan Motor	90980–10928
A 3	A/C Pressure Sensor	90980–10845
A 4	ABS Speed Sensor Front LH	90980–11003
A 5	ABS Speed Sensor Front RH	
A 6	Air Flow Meter	90980–11317
A 7	Air Fuel Ratio Sensor (Bank 1 Sensor 1)	90980–11178
A 8	Air Fuel Ratio Sensor (Bank 2 Sensor 1)	90980–10869
A 9	Airbag Sensor Front LH	90980–11856
A10	Airbag Sensor Front RH	
A11	Alternator	90980–11964
A12	Alternator (Except 1CD–FTV)	90980–09212
	Alternator (1CD–FTV)	90980–09213
A13	A/C Control Assembly	90980–12169
A14	A/C Control Assembly	90980–11778
A15	A/C Control Assembly	90980–12259
A16	A/C Control Assembly	90980–12200
A17	A/C Room Temp. Sensor	90980–11918
A18	A/C Solar Sensor	90980–11987
A19	A/C Thermistor	90980–11918
A20	Accel Position Sensor	90980–11144
A21	Air Inlet Control Servo Motor	90980–11987
A22	Air Mix Control Servo Motor	90980–11909
A23	Air Mix Control Servo Motor (Driver Side)	
A24	Air Mix Control Servo Motor (Front Passenger Side)	
A25	Air Vent Mode Control Servo Motor	
A26	Airbag Sensor Assembly	82824–50160
A27	Airbag Sensor Assembly	90980–11872
A28	Airbag Sensor Assembly	82824–50150
A29	Airbag Squib (Front Passenger Airbag Assembly)	90980–12160
A30	Airbag Squib (Steering Wheel Pad)	
A31	Antenna Amplifier	90980–10870
A32	ABS Speed Sensor Rear LH	90980–11060
A33	ABS Speed Sensor Rear RH	
B 1	Back–Up Light SW	90980–10576
B 2	Brake Booster Pressure Sensor	90980–10845
B 3	Brake Fluid Level Warning SW	90080–98001
B 4	Blower Motor	90980–10214
B 5	Blower Motor Controller	90980–11676
B 6	Blower Resistor	90980–11136
B 7	Back Door Courtesy SW	90980–10795
	Back Door Lock Motor	
B 8	Back Door Opener SW	90980–11967
B 9	Buckle SW (Driver's Side)	90980–10942
B10	Buckle SW (Front Passenger's Side)	90980–10795
	Occupant Detection Sensor	
C 1	Camshaft Position Sensor	90980–10947
C 2	Camshaft Timing Oil Control Valve	90980–11162
C 3	Compressor Assembly	90980–11156
C 4	Condenser Assembly	90980–11003
C 5	Counter Gear Speed Sensor	90980–11156
C 6	Crankshaft Position Sensor (1AZ–FSE, 1AZ–FE)	90980–10947
	Crankshaft Position Sensor (1CD–FTV)	90980–12028
	Crankshaft Position Sensor (1ZZ–FE, 3ZZ–FE)	90980–10947
C 7	Cigarette Lighter	90980–10795
	Cigarette Lighter Illumination	
C 8	Circuit Opening Relay	82660–05020
C 9	Clutch Start SW	90980–10825
C10	Combination Meter	90980–11913
C11	Combination Meter	90980–11915
C12	Combination SW	90980–11672
C13	Combination SW	90980–11594
C14	Combination SW	90980–12183
C15	Curtain Shield Airbag Sensor LH	90980–12352
C16	Curtain Shield Airbag Sensor RH	
C17	Curtain Shield Airbag Squib LH	90980–12219
C18	Curtain Shield Airbag Squib RH	
D 1	Diesel Throttle Control Motor	90980–11144
D 2	Diode	90980–11071
D 3	Diode	90980–10962
D 4	Diode (Fan) (Except 1CD–FTV)	90980–11608
	Diode (Fan) (1CD–FTV)	90980–11071
D 5	DLC3	90980–11665
D 6	Door Control Receiver	90980–11909
D 7	Door Courtesy Light LH	90980–11148
D 8	Door Courtesy Light RH	
D 9	Door Courtesy SW Front LH	90980–10871
D10	Door Courtesy SW Front RH	
D11	Door Courtesy SW Rear LH	
D12	Door Courtesy SW Rear RH	
D13	Door Key Lock and Unlock SW (Driver's Side)	90980–12226
	Door Lock Control Motor (Driver's Side)	
	Door Unlock Detection SW (Driver's Side)	

Note: Not all of the above part numbers of the connector are established for the supply.

http://vnx.su

Code	Part Name	Part Number
D14	Door Key Lock and Unlock SW (Driver's Side)	90980–12226
	Door Lock Control Motor (Driver's Side)	
	Door Unlock Detection SW (Driver's Side)	
	Double Lock Motor (Driver's Side)	
	Double Lock Position SW (Driver's Side)	
D15	Door Lock Control Motor (Front Passenger's Side)	
D16	Door Lock Control Motor (Front Passenger's Side)	
	Door Unlock Detection SW (Front Passenger's Side)	
	Double Lock Motor (Front Passenger's Side)	
	Double Lock Position SW (Front Passenger's Side)	
D17	Door Lock Control SW	90980–12200
	Power Window Master SW	
D18	Door Lock Motor Rear LH	90980–12226
D19	Door Lock Motor Rear LH	
	Door Unlock Detection SW Rear LH	
	Double Lock Motor Rear LH	
	Double Lock Position SW Rear LH	
D20	Door Lock Motor Rear RH	
D21	Door Lock Motor Rear RH	
	Door Unlock Detection SW Rear RH	
	Double Lock Motor Rear RH	
	Double Lock Position SW Rear RH	
E 1	ECT Solenoid	90980–11658
E 2	EFI Water Temp. Sensor (Except 1AZ–FE)	90980–10737
	EFI Water Temp. Sensor (1AZ–FE)	90980–10735
E 3	EGR Valve Control Motor	90980–11144
E 4	Electronic Driver Unit	90980–11592
E 5	Electronic Driver Unit (1AZ–FSE)	90980–11024
	Electronic Driver Unit (1CD–FTV)	90980–11593
E 6	Engine Hood Courtesy SW	90980–10554
E 7	Engine Oil Level Sensor	90980–11235
E 8	ECT Pattern Select SW	90980–11013
E 9	Engine and ECT ECU (A/T)	90980–12142
	Engine ECU (M/T)	
E10	Engine and ECT ECU (A/T)	90980–12146
	Engine ECU (M/T)	
E11	Engine and ECT ECU (A/T)	90980–12143
	Engine ECU (M/T)	
E12	Engine and ECT ECU (A/T)	90980–12145
	Engine ECU (M/T)	
E13	Engine and ECT ECU (A/T)	90980–12144
	Engine ECU (M/T)	

Code	Part Name	Part Number
E14	EPS ECU	90980–12300
E15	EPS ECU	90980–12290
F 1	Front Clearance Light LH	90980–11149
F 2	Front Clearance Light RH	
F 3	Front Fog Light LH	90980–11660
F 4	Front Fog Light RH	
F 5	Front Side Turn Signal Light LH	90980–11162
F 6	Front Side Turn Signal Light RH	
F 7	Front Turn Signal Light LH	90980–10942
	Headlight Control ECU LH	
F 8	Front Turn Signal Light LH	
	Headlight LH (Low)	
F 9	Front Turn Signal Light RH	
	Headlight Control ECU RH	
F10	Front Turn Signal Light RH	
	Headlight RH (Low)	
F11	Front Washer Motor	90080–98117
F12	Front Window Deicer	90980–11155
F13	Front Wiper Motor	90980–11599
F14	Fuel Filter Warning SW	90980–11002
F15	Fuel Heater	90980–10928
F16	Fuel Pressure Sensor (1AZ–FSE)	90980–11451
	Fuel Pressure Sensor (1CD–FTV)	90980–11194
F17	Fuel Pump	90080–98001
F18	Fuel Temp. Sensor	90980–10737
F19	Front Passenger's Seat Belt Warning Light	90980–11989
	Rear Window Defogger SW	
	Security Indicator Light	
F20	Front Wiper Deicer SW	90980–10797
F21	Front Door Speaker LH	90080–98157
F22	Front Door Speaker RH	
F23	Fuel Lid Opener Motor	90080–98313
F24	Fuel Lid Opener SW	90980–11013
F25	Fuel Pump	90980–11077
	Fuel Sender	
G 1	Glow Plug	99141–13006
G 2	Glow Plug Relay	90980–11569
G 3	Glove Box Light	90980–11098
H 1	Headlight Beam Level Control Actuator LH	90980–11016
H 2	Headlight Beam Level Control Actuator RH	
H 3	Headlight Cleaner Control Relay	90980–10939
H 4	Headlight Cleaner Motor	90080–98116
H 5	Headlight LH (High)	90980–11314
H 6	Headlight RH (High)	

http://vnx.su

L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
H 7	Heated Oxygen Sensor (Bank 1 Sensor 1) (1AZ–FSE)	90980–11028
	Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ–FE, 3ZZ–FE)	90980–10869
H 8	Heated Oxygen Sensor (Bank 1 Sensor 2)	90980–11028
H 9	Heated Oxygen Sensor (Bank 2 Sensor 1)	90980–10869
H10	Heated Oxygen Sensor (Bank 2 Sensor 2)	90980–11028
H11	Horn LH	90980–10619
H12	Horn RH	
H13	Hazard SW	90980–10801
H14	Headlight Beam Level Control ECU	90980–12200
H15	Headlight Beam Level Control SW	90980–10789
H16	Headlight Cleaner SW	90980–10601
H17	Heated Oxygen Sensor (Bank 1 Sensor 2)	90980–11930
H18	Height Control Sensor (Front)	90980–11860
H19	Height Control Sensor (Rear)	
H20	High Mounted Stop Light (L/B)	90980–10320
	High Mounted Stop Light (S/D)	90980–WB002
	High Mounted Stop Light (W/G)	90980–11148
I 1	Ignition Coil and Igniter No.1	90980–11885
I 2	Ignition Coil and Igniter No.2	
I 3	Ignition Coil and Igniter No.3	
I 4	Ignition Coil and Igniter No.4	
I 5	Injector No.1 (Except 1AZ–FSE)	90980–11875
	Injector No.1 (1AZ–FSE)	90980–12117
I 6	Injector No.2 (Except 1AZ–FSE)	90980–11875
	Injector No.2 (1AZ–FSE)	90980–12117
I 7	Injector No.3 (Except 1AZ–FSE)	90980–11875
	Injector No.3 (1AZ–FSE)	90980–12117
I 8	Injector No.4 (Except 1AZ–FSE)	90980–11875
	Injector No.4 (1AZ–FSE)	90980–12117
I 9	Intake Air Temp. Sensor	90980–11025
I10	ISC Valve	90980–11145
I11	Ignition Key Cylinder Light	90980–12092
I12	Ignition Key Cylinder Light	
	Transponder Key Amplifier	
I13	Ignition SW	90980–11778
I14	Integration Relay	90980–11915
I15	Inner Mirror	90980–11794
I16	Interior Light	90980–11950
J 1	Junction Connector	90980–10803
J 2	Junction Connector	
J 3	Junction Connector	90980–11661
J 4	Junction Connector	
J 5	Junction Connector	90980–11542
J 6	Junction Connector	90980–11915
J 7	Junction Connector	

Code	Part Name	Part Number
J 8	Junction Connector	90980–11915
J 9	Junction Connector	
J10	Junction Connector	
J11	Junction Connector	
J12	Junction Connector	90980–11661
J13	Junction Connector	
J14	Junction Connector	90980–11542
J15	Junction Connector	90980–10976
J16	Junction Connector	90980–11542
J17	Junction Connector	
J18	Junction Connector	90980–11915
J19	Junction Connector	
J20	Junction Connector	
J21	Junction Connector	
J22	Junction Connector	90980–11661
J23	Junction Connector	
J24	Junction Connector	
J25	Junction Connector	
J26	Junction Connector	90980–11915
J27	Junction Connector	
J28	Junction Connector	90980–11542
J29	Junction Connector	90980–11915
J30	Junction Connector	90980–11661
J31	Junction Connector	
J32	Junction Connector	90980–11542
J33	Junction Connector	90980–11661
J34	Junction Connector	
J35	Junction Connector	
J36	Junction Connector	
J37	Junction Connector	
J38	Junction Connector	
K 1	Knock Sensor	90980–11875
K 2	Kick Down SW	90980–11156
K 3	Knee Airbag Squib	90980–12253
L 1	License Plate Light LH	90080–98001
L 2	License Plate Light RH	
L 3	Luggage Compartment Door Lock Motor	90980–10908
	Luggage Compartment Light SW	
L 4	Luggage Compartment Door Opener SW	90980–11967
L 5	Luggage Compartment Light	90980–11148
L 6	Lumbar Support Control Motor	90980–10825
L 7	Lumbar Support Control SW	90980–10789
M 1	Multi–Display (w/ Navigation System (Map Type))	90980–11877
	Multi–Display (w/o Navigation System (Map Type))	90980–11973

Note: Not all of the above part numbers of the connector are established for the supply.

http://vnx.su

Code	Part Name	Part Number
M 2	Multi–Display (w/ Navigation System (Map Type))	90980–11923
	Multi–Display (w/o Navigation System (Map Type))	90980–12209
M 3	Multi–Display	90980–10871
M 4	Mirror Heater LH	90980–12059
	Remote Control Mirror LH	
M 5	Mirror Heater RH	
	Remote Control Mirror RH	
M 6	Moon Roof Control Relay and Motor	82824–05030
M 7	Moon Roof Control SW	90980–10795
N 1	Neutral Start SW	90980–11784
N 2	Noise Filter (Ignition)	90980–10843
N 3	Navigation ECU	90980–11973
N 4	Navigation ECU	90980–11923
N 5	Navigation ECU	90980–12221
N 6	Noise Filter (Rear Window Defogger No.1)	90980–10825
N 7	Noise Filter (Rear Window Defogger No.2)	
N 8	Noise Filter (Stop Light)	
O 1	Oil Pressure Sensor	90080–98200
O 2	Oil Pressure SW	90980–11363
P 1	Power Heater Assembly	90980–10897
P 2	Power Steering Oil Pressure SW	90980–11428
P 3	Pressure Discharge Valve	90980–11285
P 4	Parking Brake SW	90980–10871
P 5	Power Heater SW	90980–10996
P 6	Power Outlet	90080–98182
P 7	PTC Heater	90980–11685
P 8	Personal Light	90980–11950
P 9	Power Window Control SW (Front Passenger Side)	90980–12113
P10	Power Window Control SW Rear LH	
P11	Power Window Control SW Rear RH	
P12	Power Window Motor Front LH	90080–98276
P13	Power Window Motor Front RH	
P14	Power Window Motor Rear LH	
P15	Power Window Motor Rear RH	
P16	Pretensioner LH	90980–12253
P17	Pretensioner RH	
P18	Power Seat Control SW (Driver's Seat)	90980–10997
P19	Power Seat Control SW (Front Passenger's Seat)	
P20	Power Seat Motor (Driver's Seat Front Vertical Control)	90980–10825
P21	Power Seat Motor (Driver's Seat Lifter Control)	
P22	Power Seat Motor (Driver's Seat Reclining Control)	

Code	Part Name	Part Number
P23	Power Seat Motor (Driver's Seat Slide Control)	90980–10825
P24	Power Seat Motor (Front Passenger's Seat Reclining Control)	
P25	Power Seat Motor (Front Passenger's Seat Slide Control)	
R 1	Radiator Fan Motor	90980–10928
R 2	Radiator Fan Resistor	
R 3	Rear Washer Motor	90080–98117
R 4	Radio and Player	90980–10997
R 5	Radio and Player	90980–10996
R 6	Radio and Player	90980–12183
R 7	Radio and Player	90980–12259
R 8	Rear Fog Light Relay	82660–05010
R 9	Rear Window Defogger Relay	82660–05020
R10	Remote Control Mirror SW	90980–11657
R11	Remote Controller (Navigation)	90980–11909
R12	Rain Sensor	90080–98309
R13	Rear Combination Light LH (Except W/G)	90080–98175
	Rear Combination Light LH (W/G)	90980–10964
R14	Rear Combination Light RH (Except W/G)	90080–98175
	Rear Combination Light RH (W/G)	90980–10964
R15	Rear Door Speaker LH	90080–98157
R16	Rear Door Speaker RH	
R17	Rear Interior Light	90980–11148
R18	Rear Window Defogger (L/B)	90980–11258
	Rear Window Defogger (S/D, W/G)	90980–11259
R19	Rear Window Defogger (L/B)	90980–11258
	Rear Window Defogger (S/D)	90980–10786
	Rear Window Defogger (W/G)	90980–11259
R20	Rear Wiper Motor and Relay	90980–10908
S 1	Skid Control ECU with Actuator	90080–98278
S 2	Skid Control ECU with Actuator	90980–WB001
S 3	Spill Valve	90980–12117
S 4	Starter	90980–11400
S 5	Starter (1AZ–FSE, 1AZ–FE)	90980–09506
	Starter (1CD–FTV)	90980–09507
	Starter (1ZZ–FE, 3ZZ–FE)	90980–09463
S 6	Suction Control Valve	90980–11285
S 7	Seat Heater SW	90980–11909
S 8	Seat Heater SW	90980–11918
S 9	Shift Lock Control ECU	90980–12183
S10	Short Connector	90980–10797
S11	Short Connector	90980–10796
S12	Steering Sensor	90080–98241
S13	Stop Light SW	90980–11118

http://vnx.su

L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
S14	Side Airbag Sensor LH (w/ Curtain Shield Airbag)	90980–12225
	Side Airbag Sensor LH (w/o Curtain Shield Airbag)	90980–12352
S15	Side Airbag Sensor RH (w/ Curtain Shield Airbag)	90980–12225
	Side Airbag Sensor RH (w/o Curtain Shield Airbag)	90980–12352
S16	Seat Heater LH (w/ Power Seat)	90980–10797
	Seat Heater LH (w/o Power Seat)	90980–11090
S17	Seat Heater RH (w/ Power Seat)	90980–10797
	Seat Heater RH (w/o Power Seat)	90980–11090
S18	Side Airbag Squib LH	90980–11864
S19	Side Airbag Squib RH	
T 1	Throttle Control Motor and Position Sensor	90980–11858
T 2	Throttle Position Sensor	90980–11261
T 3	Throttle Position SW	90980–11038
T 4	Turbine Speed Sensor	90980–11156
T 5	Turbo Pressure Sensor	90980–10845
T 6	Theft Deterrent ECU	90980–12169
T 7	Transmission Control SW	90980–12221
T 8	Transponder Key Computer	90980–11911
T 9	TRC Off SW	90980–10801
T10	Turn Signal Flasher Relay	90980–10799
T11	Telephone Microphone Amplifier	90980–11909
T12	Theft Warning Ultrasonic Sensor	90980–12221
T13	Theft Warning Ultrasonic Sensor Rear LH	90980–11918
T14	Theft Warning Ultrasonic Sensor Rear RH	
T15	Theft Warning Siren	90980–11349
T16	Tweeter Front LH	90980–12304
T17	Tweeter Front RH	
T18	Tweeter Rear LH	
T19	Tweeter Rear RH	
U 1	Unlock Warning SW	90980–10860
V 1	Vacuum Sensor	90980–10845
V 2	Vacuum SW	90980–11252
V 3	Variable Resistor	90980–10902
V 4	VRV (EGR)	90980–11162
V 5	VSV (EVAP)	90980–10572
V 6	VSV (Intake Air Control Valve)	90980–11149
V 7	VSC Warning Buzzer	90980–10906
V 8	Vanity Light LH	90980–11918
V 9	Vanity Light RH	
W 1	Water Temp. SW (Radiator Fan)	90980–11235
W 2	Wiper Relay	90080–98318
Y 1	Yaw Rate Sensor	90080–98249
Z 1	Option Connector (Navigation ECU)	82824–30240
Z 2	Option Connector (Navigation ECU)	90980–11973

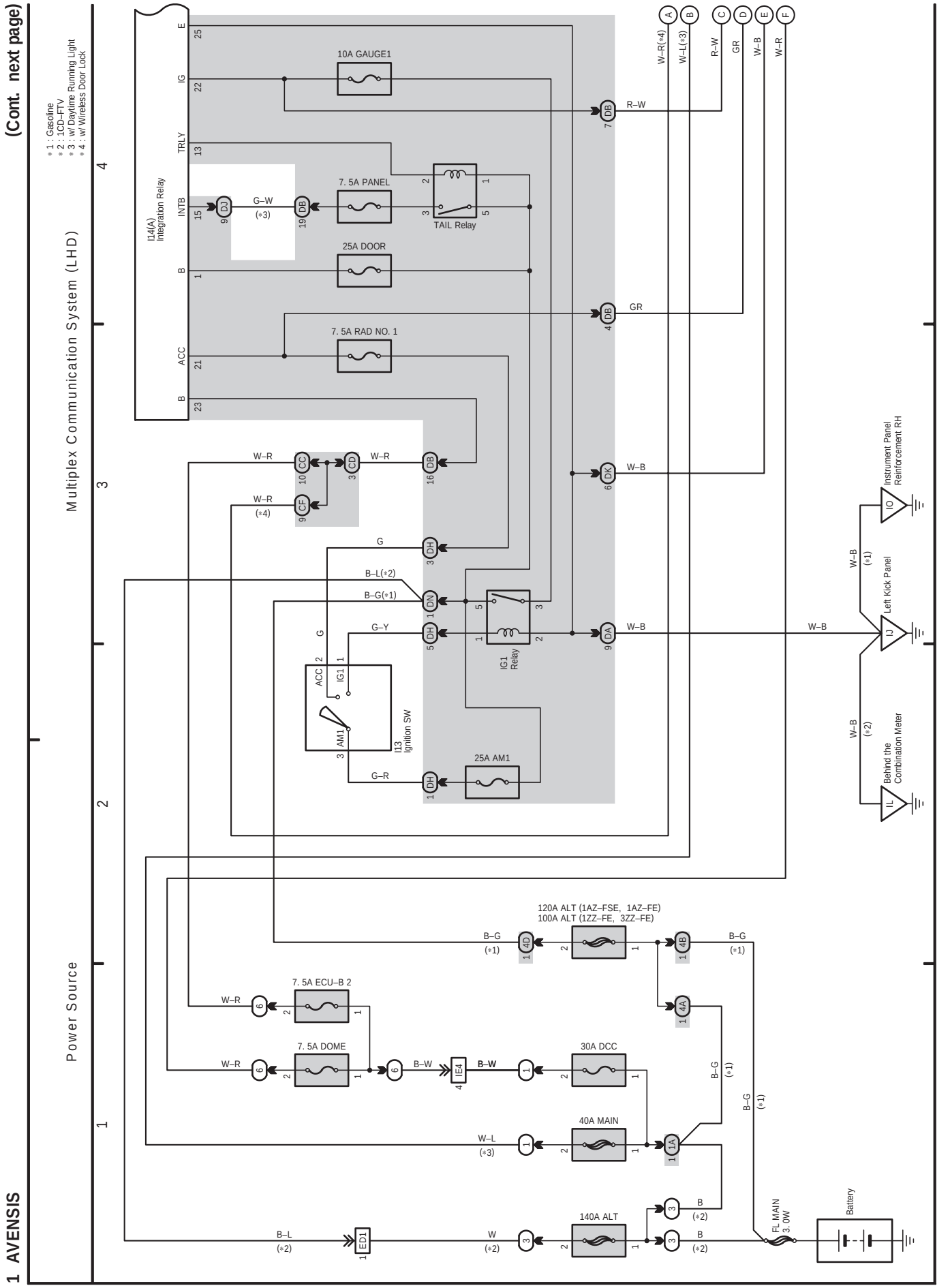
Code	Part Name	Part Number

Note: Not all of the above part numbers of the connector are established for the supply.

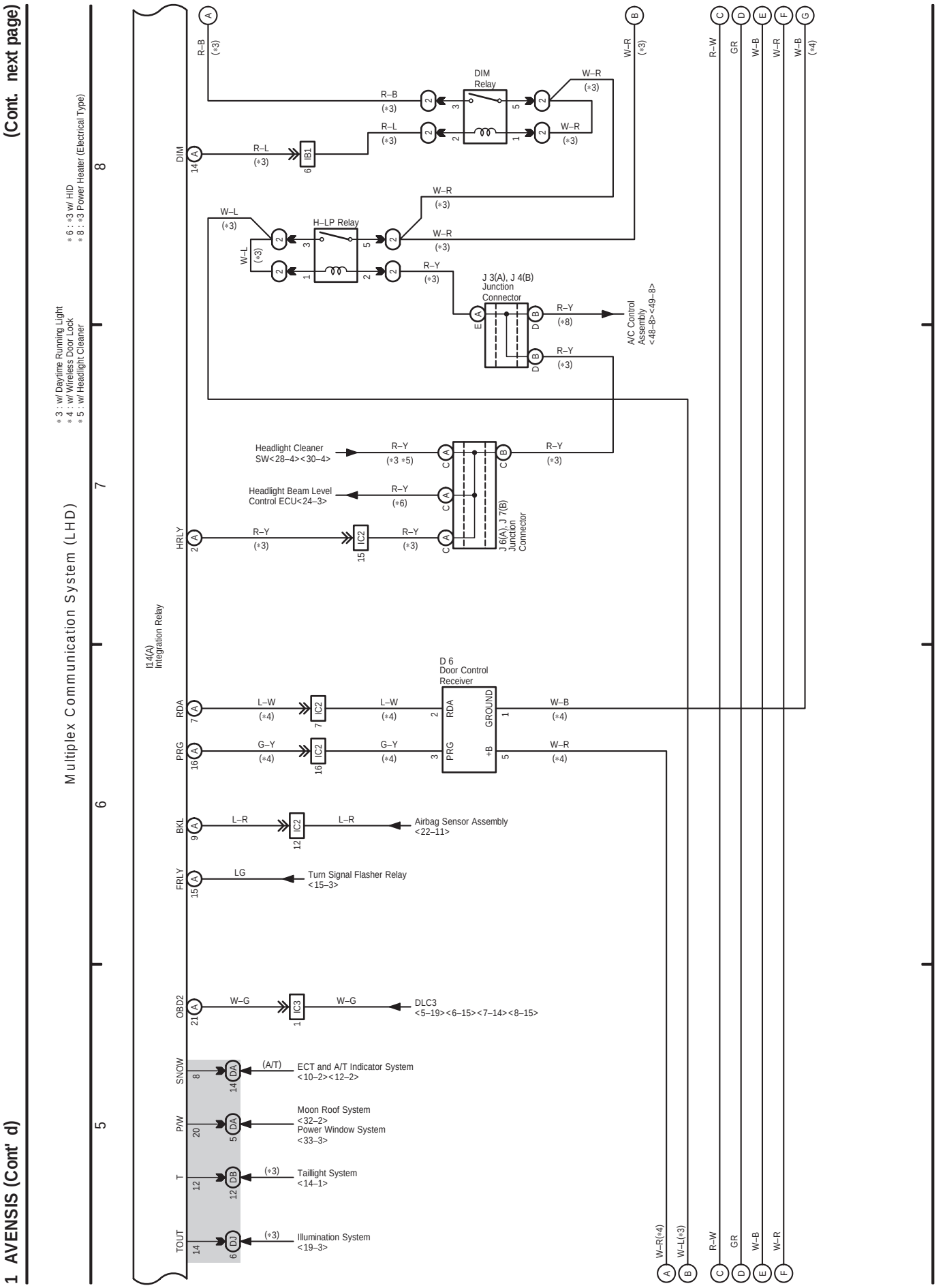
http://vnx.su

Code	Part Name	Part Number	Code	Part Name	Part Number

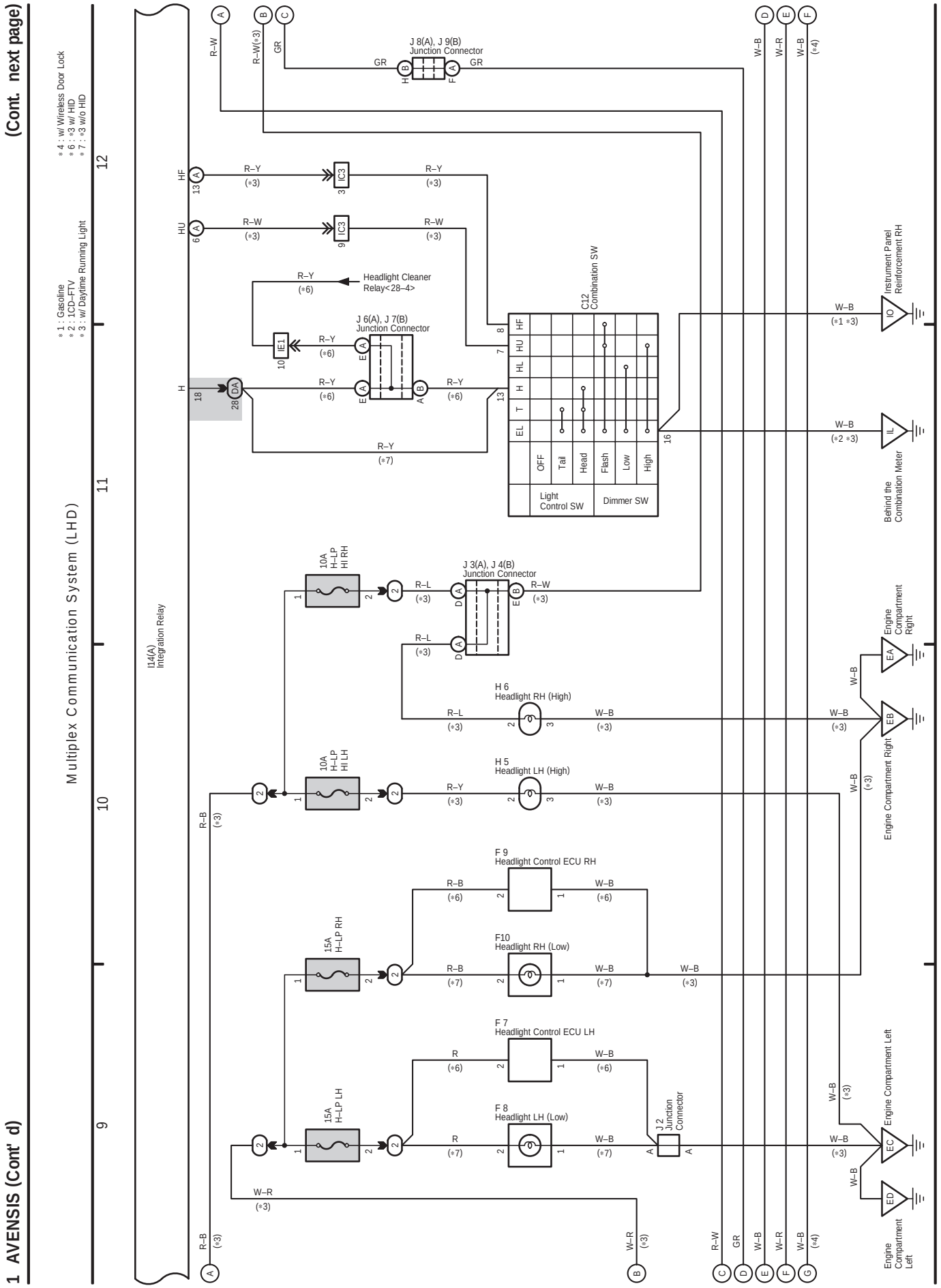
http://vnx.su


(Cont. next page)
1 AVENSIS
Power Source
Multiplex Communication System (LHD)
*1 : Gasoline
*2 : 1CD–FTV
*3 : w/ Daytime Running Light
*4 : w/ Wireless Door Lock
I14(A) Integration Relay
10A GAUGE1
7. 5A PANEL
TAIL Relay
25A DOOR
7. 5A RAD NO. 1
I13 Ignition SW
IG1 Relay
25A AM1
7. 5A ECU–B 2
7. 5A DOME
30A DCC
40A MAIN
140A ALT
120A ALT (1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
Instrument Panel Reinforcement RH
Left Kick Panel
Behind the Combination Meter

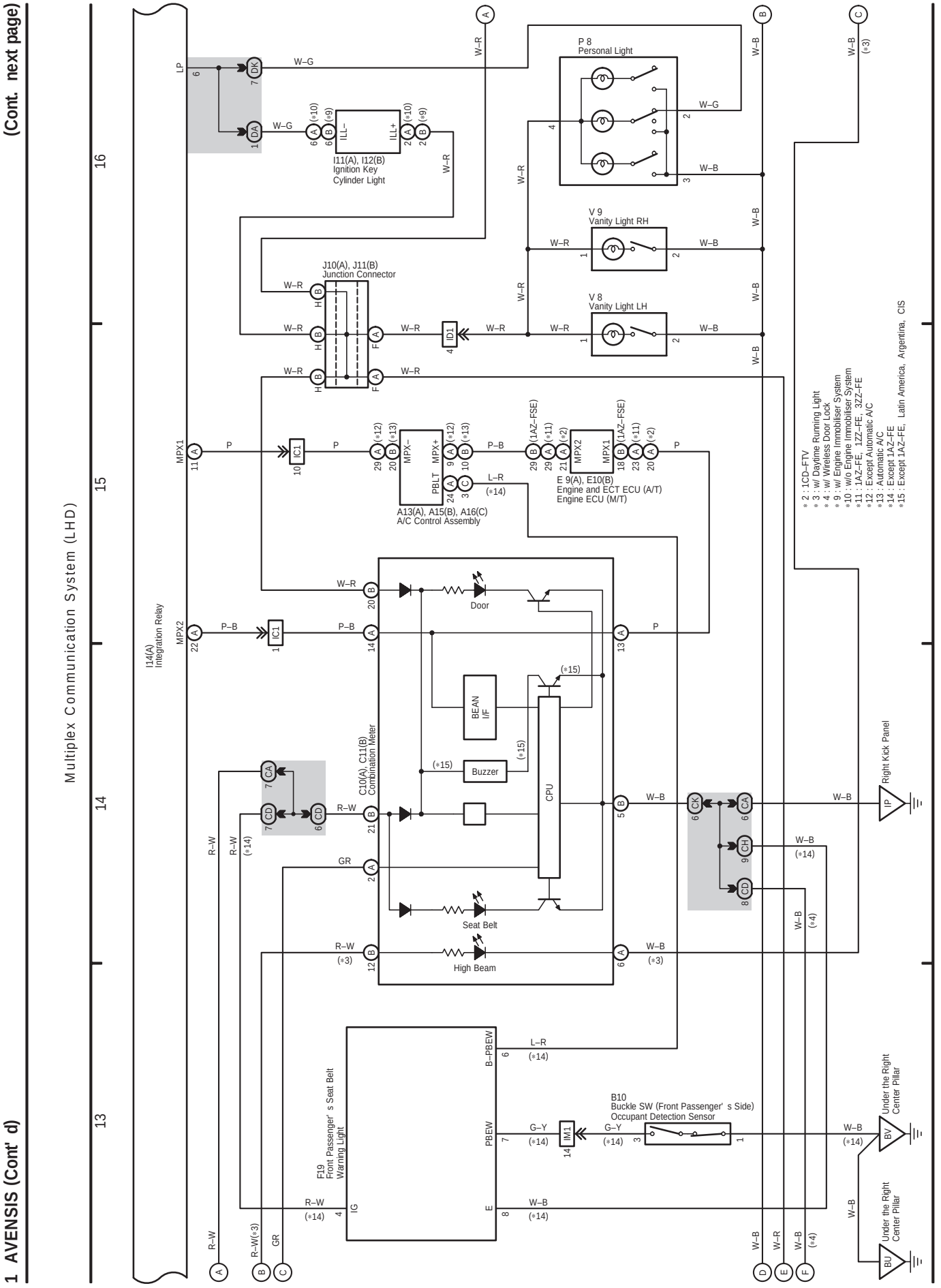
http://vnx.su


1 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (LHD)
5
6
7
8
*3 : w/ Daytime Running Light
*4 : w/ Wireless Door Lock
*5 : w/ Headlight Cleaner
*6 : *3 w/ HID
*8 : *3 Power Heater (Electrical Type)
I14(A) Integration Relay
DIM Relay
H–LP Relay
J 3(A), J 4(B) Junction Connector
J 6(A), J 7(B) Junction Connector
D 6 Door Control Receiver
A/C Control Assembly <48–8><49–8>
Headlight Cleaner SW<28–4><30–4>
Headlight Beam Level Control ECU<24–3>
Airbag Sensor Assembly <22–11>
Turn Signal Flasher Relay <15–3>
DLC3 <5–19><6–15><7–14><8–15>
ECT and A/T Indicator System <10–2><12–2>
Moon Roof System <32–2>
Power Window System <33–3>
Taillight System <14–1>
Illumination System <19–3>
R–B (*3)
W–R (*3)
R–W
GR
W–B
W–R
W–B (*4)
R–L (*3)
W–L (*3)
R–Y (*3)
R–Y (*8)
R–Y (*3 *5)
R–Y (*6)
L–W (*4)
G–Y (*4)
W–B (*4)
W–R (*4)
L–R
LG
W–G
(A/T)
(*3)
W–R(*4)
W–L(*3)

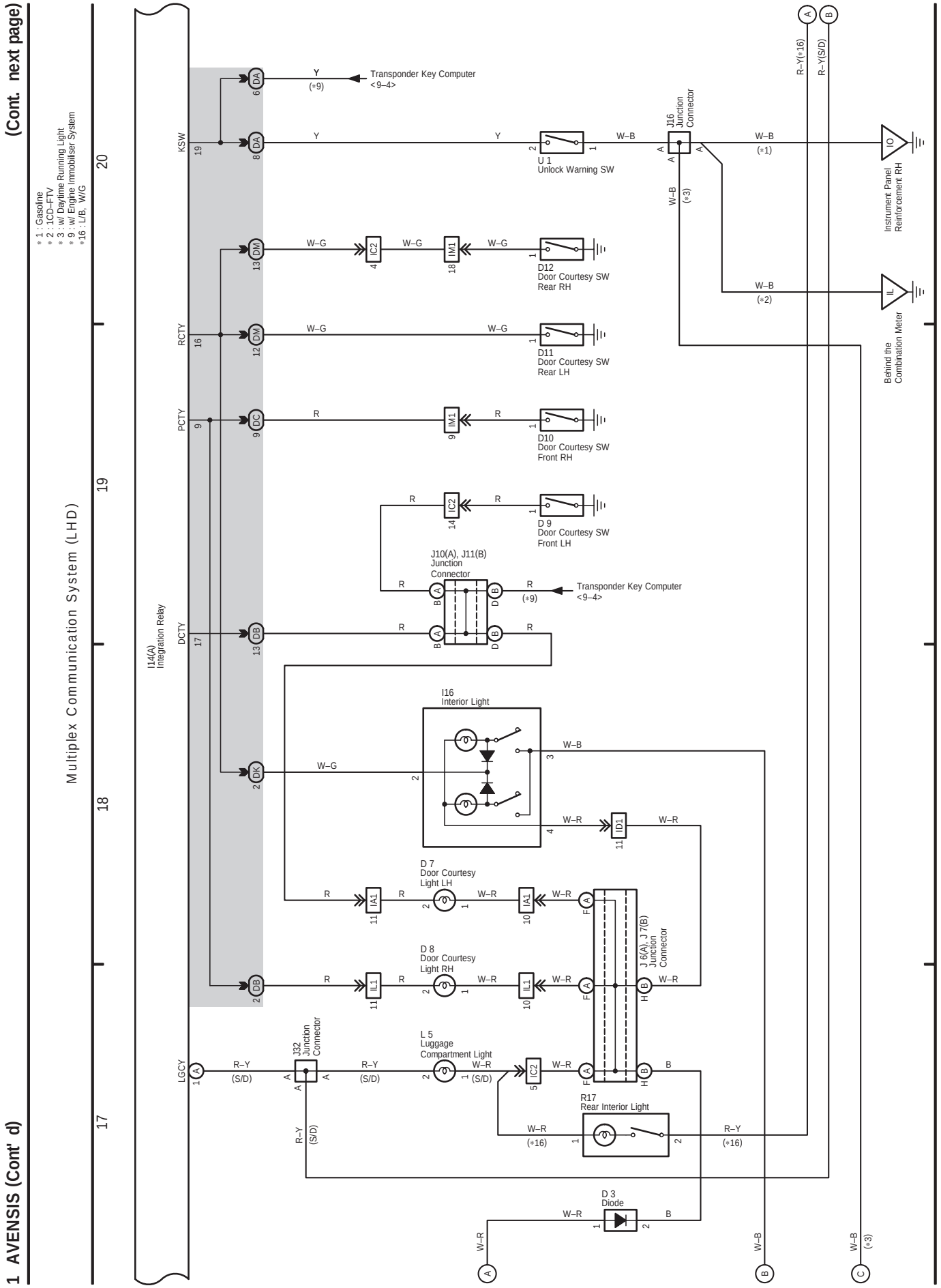
http://vnx.su


(Cont. next page)
1 AVENSIS (Cont' d)
*1 : Gasoline
*2 : 1CD–FTV
*3 : w/ Daytime Running Light
*4 : w/ Wireless Door Lock
*6 : *3 w/ HID
*7 : *3 w/o HID
Multiplex Communication System (LHD)
I14(A) Integration Relay
J 8(A), J 9(B) Junction Connector
C12 Combination SW
Light Control SW
Dimmer SW
Headlight Cleaner Relay<28–4>
J 6(A), J 7(B) Junction Connector
J 3(A), J 4(B) Junction Connector
J 2 Junction Connector
10A H–LP HI RH
10A H–LP HI LH
15A H–LP RH
15A H–LP LH
H 6 Headlight RH (High)
H 5 Headlight LH (High)
F 9 Headlight Control ECU RH
F10 Headlight RH (Low)
F 7 Headlight Control ECU LH
F 8 Headlight LH (Low)
Instrument Panel Reinforcement RH
Behind the Combination Meter
Engine Compartment Right
Engine Compartment Left

http://vnx.su

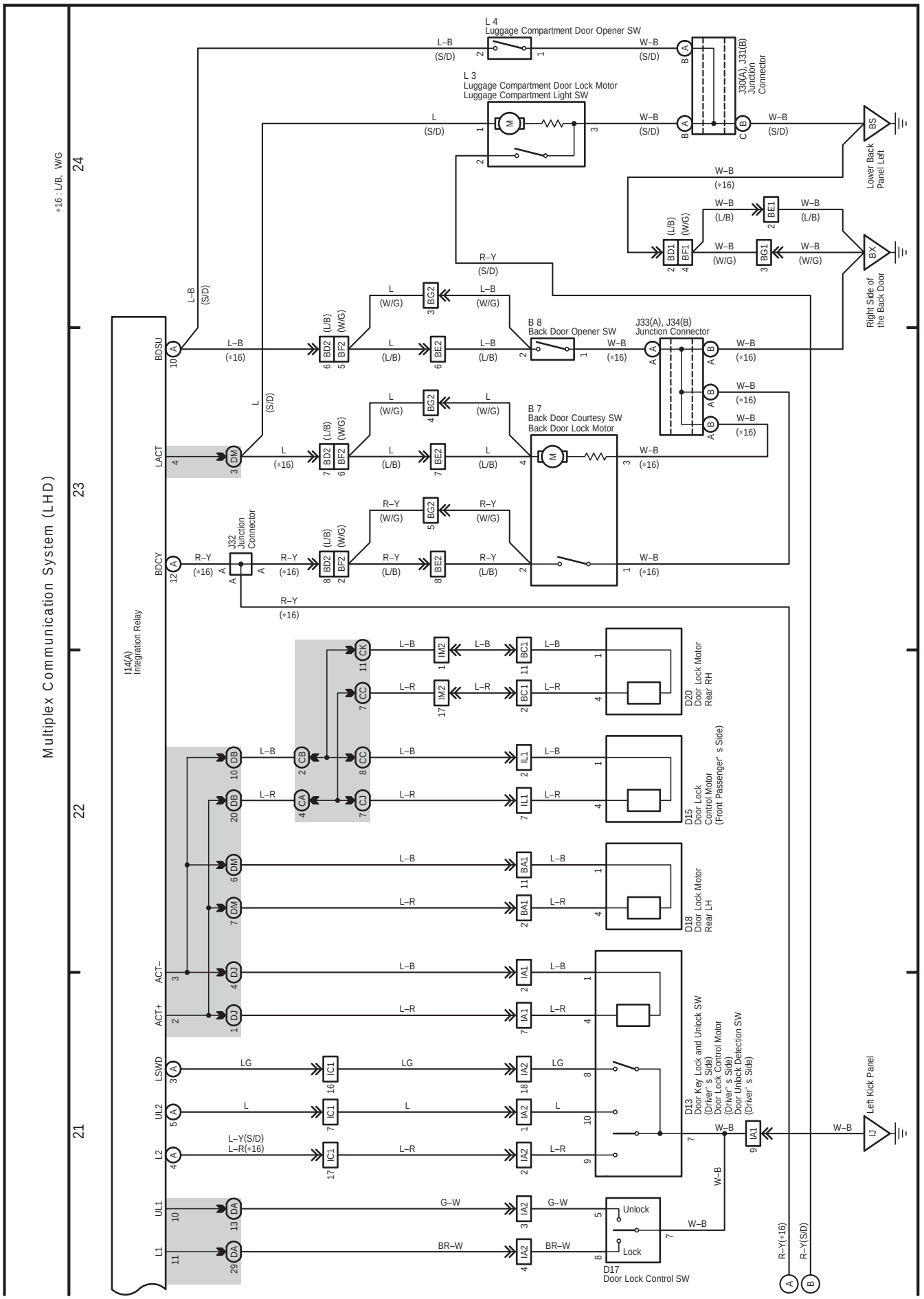

1 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (LHD)
13
14
15
16
P 8
Personal Light
V 9
Vanity Light RH
V 8
Vanity Light LH
I11(A), I12(B)
Ignition Key
Cylinder Light
J10(A), J11(B)
Junction Connector
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
A13(A), A15(B), A16(C)
A/C Control Assembly
I14(A)
Integration Relay
C10(A), C11(B)
Combination Meter
BEAN
I/F
CPU
Buzzer
Door
Seat Belt
High Beam
F19
Front Passenger' s Seat Belt
Warning Light
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
Right Kick Panel
Under the Right
Center Pillar
Under the Right
Center Pillar
∗ 2 : 1CD–FTV
∗ 3 : w/ Daytime Running Light
∗ 4 : w/ Wireless Door Lock
∗ 9 : w/ Engine Immobiliser System
∗10 : w/o Engine Immobiliser System
∗11 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗12 : Except Automatic A/C
∗13 : Automatic A/C
∗14 : Except 1AZ–FE
∗15 : Except 1AZ–FE, Latin America, Argentina, CIS

http://vnx.su

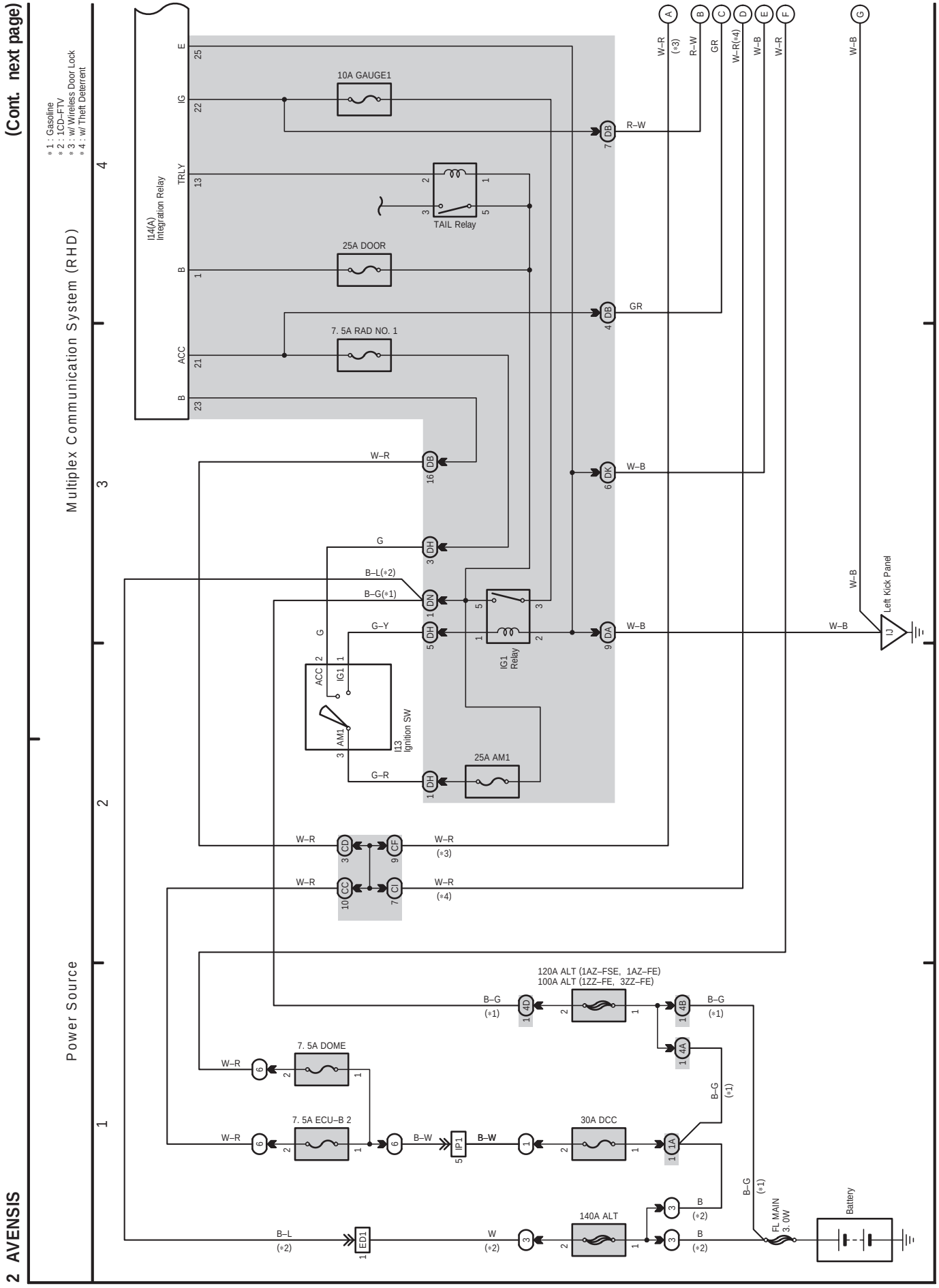

(Cont. next page)
1 AVENSIS (Cont' d)
Multiplex Communication System (LHD)
17
18
19
20
* 1 : Gasoline
* 2 : 1CD-FTV
* 3 : w/ Daytime Running Light
* 9 : w/ Engine Immobiliser System
* 16 : LB, W/G
KSW
RCTY
PCTY
DCTY
LGCY
I14(A) Integration Relay
Transponder Key Computer <9–4>
U 1 Unlock Warning SW
J16 Junction Connector
Instrument Panel Reinforcement RH
Behind the Combination Meter
D12 Door Courtesy SW Rear RH
D11 Door Courtesy SW Rear LH
D10 Door Courtesy SW Front RH
D 9 Door Courtesy SW Front LH
J10(A), J11(B) Junction Connector
I16 Interior Light
D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
J 6(A), J 7(B) Junction Connector
J32 Junction Connector
L 5 Luggage Compartment Light
R17 Rear Interior Light
D 3 Diode

http://vnx.su

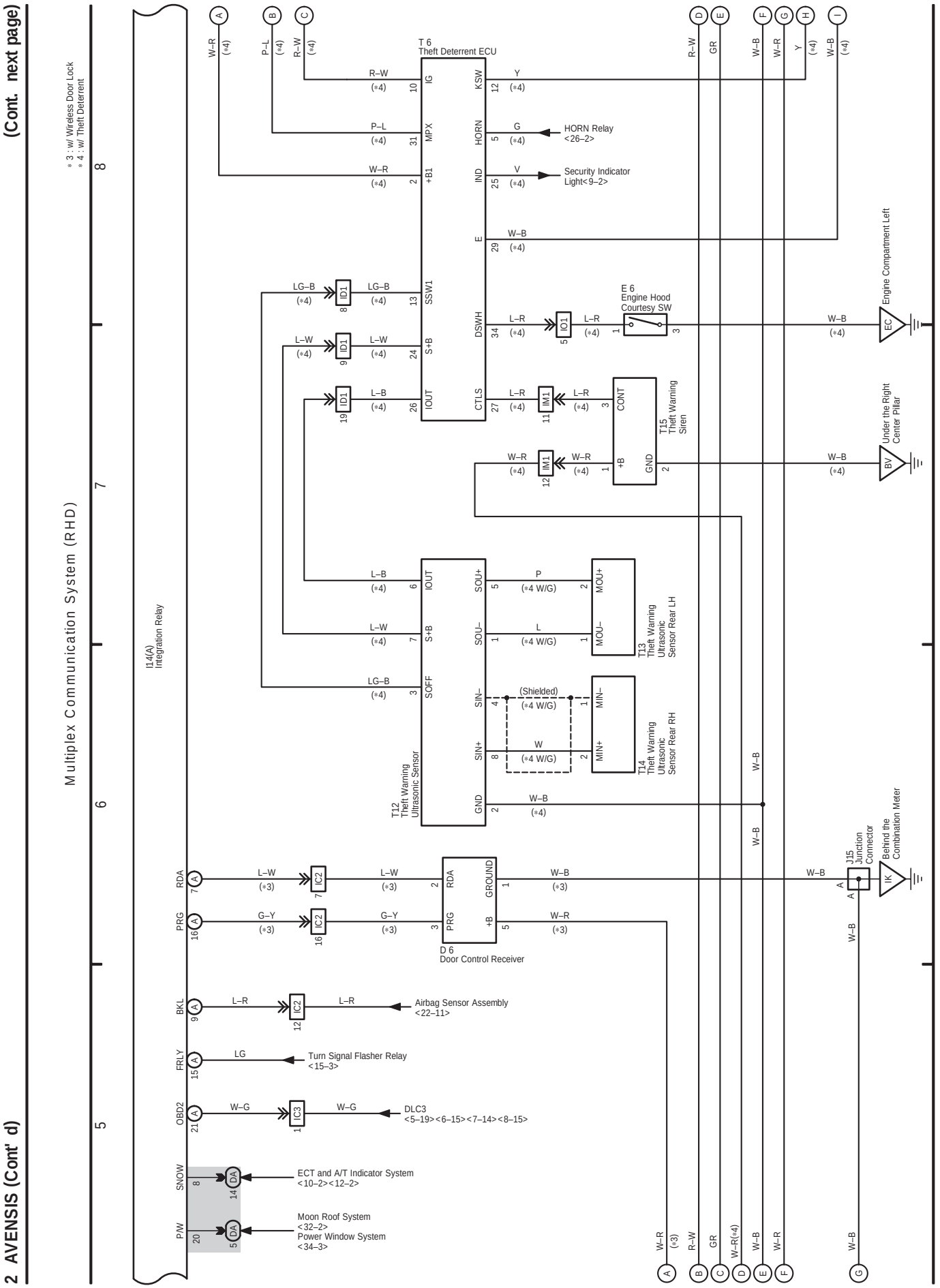
1 AVENSIS (Cont' d)



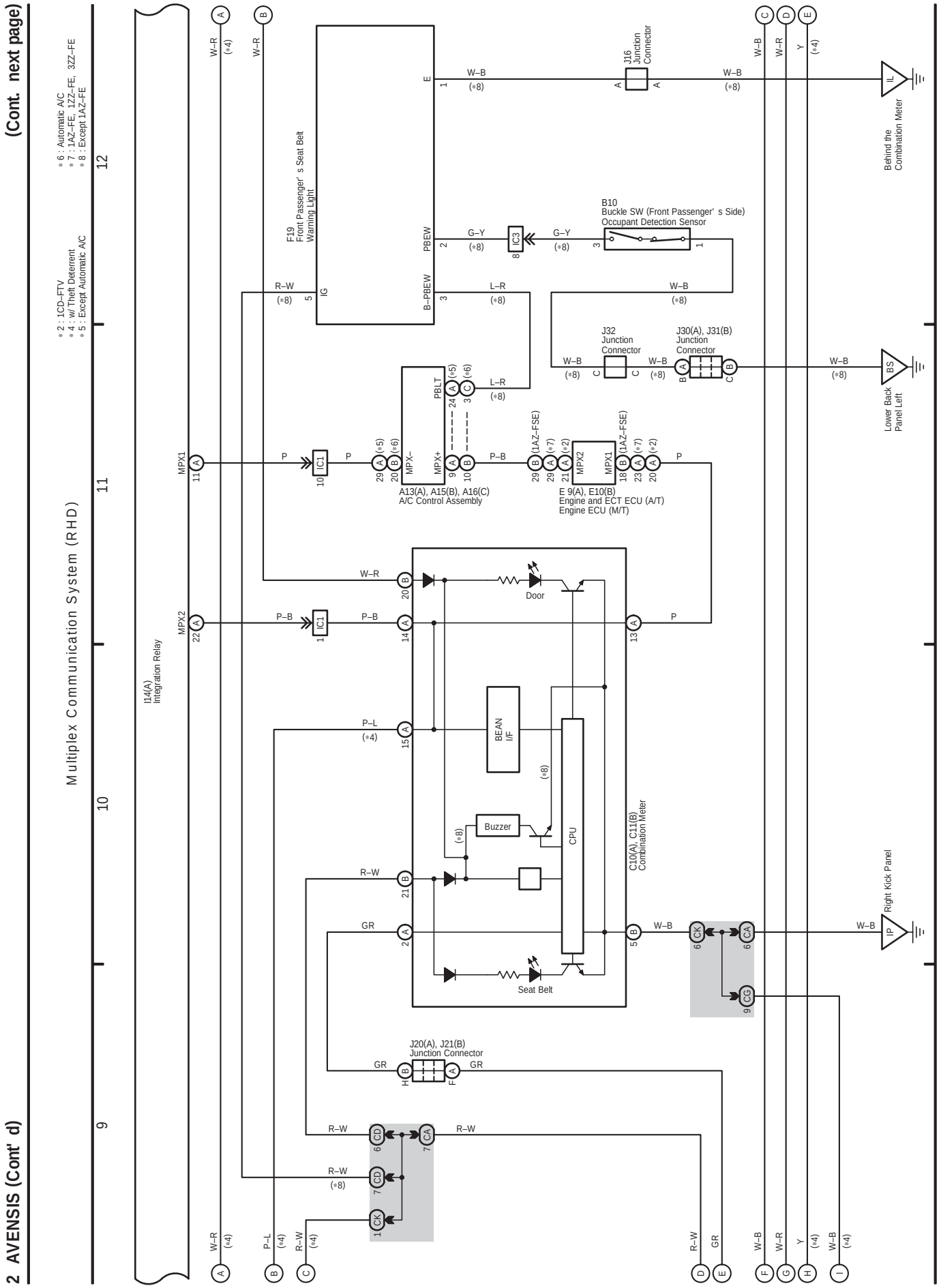
http://vnx.su


(Cont. next page)
2 AVENSIS
Power Source
Multiplex Communication System (RHD)
*1 : Gasoline
*2 : 1CD–FTV
*3 : w/ Wireless Door Lock
*4 : w/ Theft Deterrent
I14(A) Integration Relay
E
IG
TRLY
B
ACC
B
10A GAUGE1
TAIL Relay
25A DOOR
7. 5A RAD NO. 1
I13 Ignition SW
ACC
IG1
AM1
IG1 Relay
25A AM1
120A ALT (1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
7. 5A DOME
7. 5A ECU–B 2
30A DCC
140A ALT
Left Kick Panel
Battery
FL MAIN 3. 0W
R–W
GR
W–R
W–B
G
G–Y
G–R
B–L(*2)
B–G(*1)
B–L
B–W
W–R(*4)
W–R(*3)
B(*2)
W(*2)

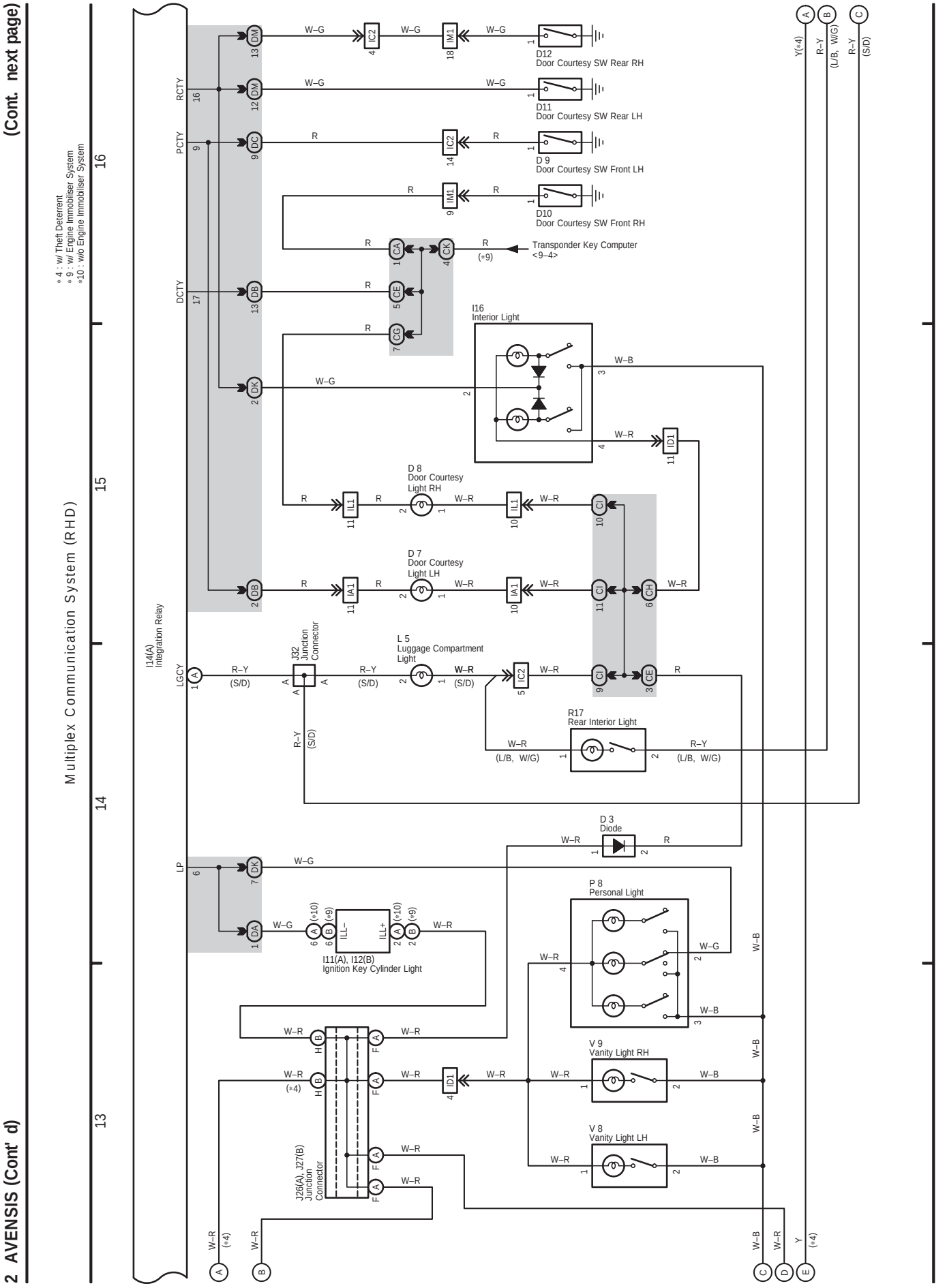
http://vnx.su


2 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (RHD)
* 3 : w/ Wireless Door Lock
* 4 : w/ Theft Deterrent
I14(A)
Integration Relay
T 6
Theft Deterrent ECU
IG
MPX
+B1
SSW1
S+B
IOUT
SOFF
KSW
HORN
IND
E
DSWH
CTLS
HORN Relay
<26–2>
Security Indicator
Light< 9–2>
E 6
Engine Hood
Courtesy SW
Engine Compartment Left
EC
T15
Theft Warning
Siren
CONT
+B
GND
Under the Right
Center Pillar
BV
T12
Theft Warning
Ultrasonic Sensor
SOU+
SOU–
SIN–
SIN+
GND
T13
Theft Warning
Ultrasonic
Sensor Rear LH
MOU+
MOU–
T14
Theft Warning
Ultrasonic
Sensor Rear RH
MIN–
MIN+
(Shielded)
J15
Junction
Connector
Behind the
Combination Meter
IK
D 6
Door Control Receiver
RDA
PRG
GROUND
+B
Airbag Sensor Assembly
<22–11>
Turn Signal Flasher Relay
<15–3>
DLC3
<5–19><6–15><7–14><8–15>
ECT and A/T Indicator System
<10–2><12–2>
Moon Roof System
<32–2>
Power Window System
<34–3>

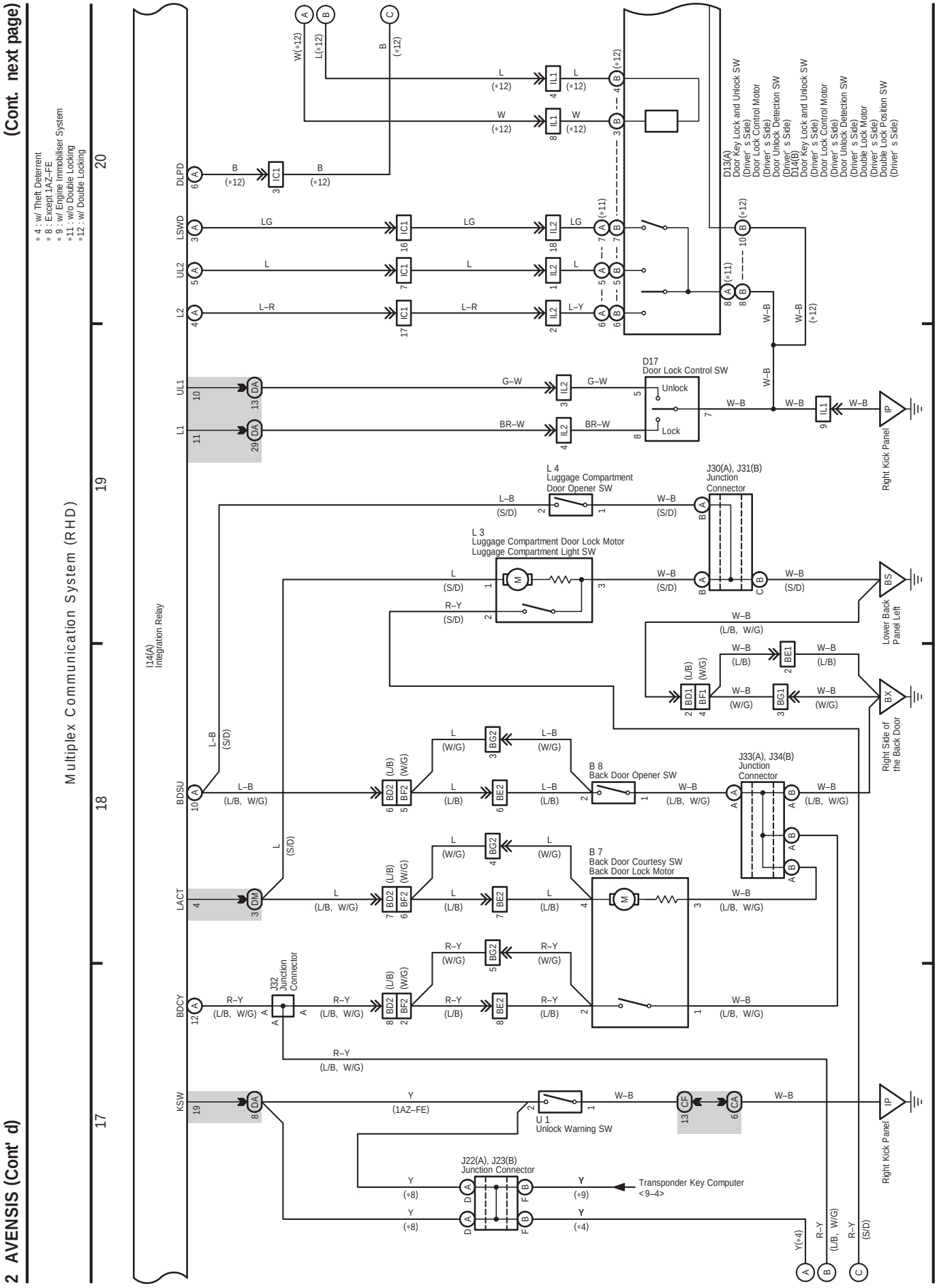
http://vnx.su


(Cont. next page)
2 AVENSIS (Cont' d)
Multiplex Communication System (RHD)
* 2 : 1CD–FTV
* 4 : w/ Theft Deterrent
* 5 : Except Automatic A/C
* 6 : Automatic A/C
* 7 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 8 : Except 1AZ–FE
I14(A) Integration Relay
F19 Front Passenger' s Seat Belt Warning Light
J16 Junction Connector
Behind the Combination Meter
B10 Buckle SW (Front Passenger' s Side) Occupant Detection Sensor
IC3
J32 Junction Connector
J30(A), J31(B) Junction Connector
Lower Back Panel Left
IC1
A13(A), A15(B), A16(C) A/C Control Assembly
E 9(A), E10(B) Engine and ECT ECU (A/T) Engine ECU (M/T)
Door
BEAN I/F
Buzzer
CPU
Seat Belt
C10(A), C11(B) Combination Meter
Right Kick Panel
J20(A), J21(B) Junction Connector
MPX1
MPX2
MPX–
MPX+
PBLT
IG
PBEW
B–PBEW

http://vnx.su

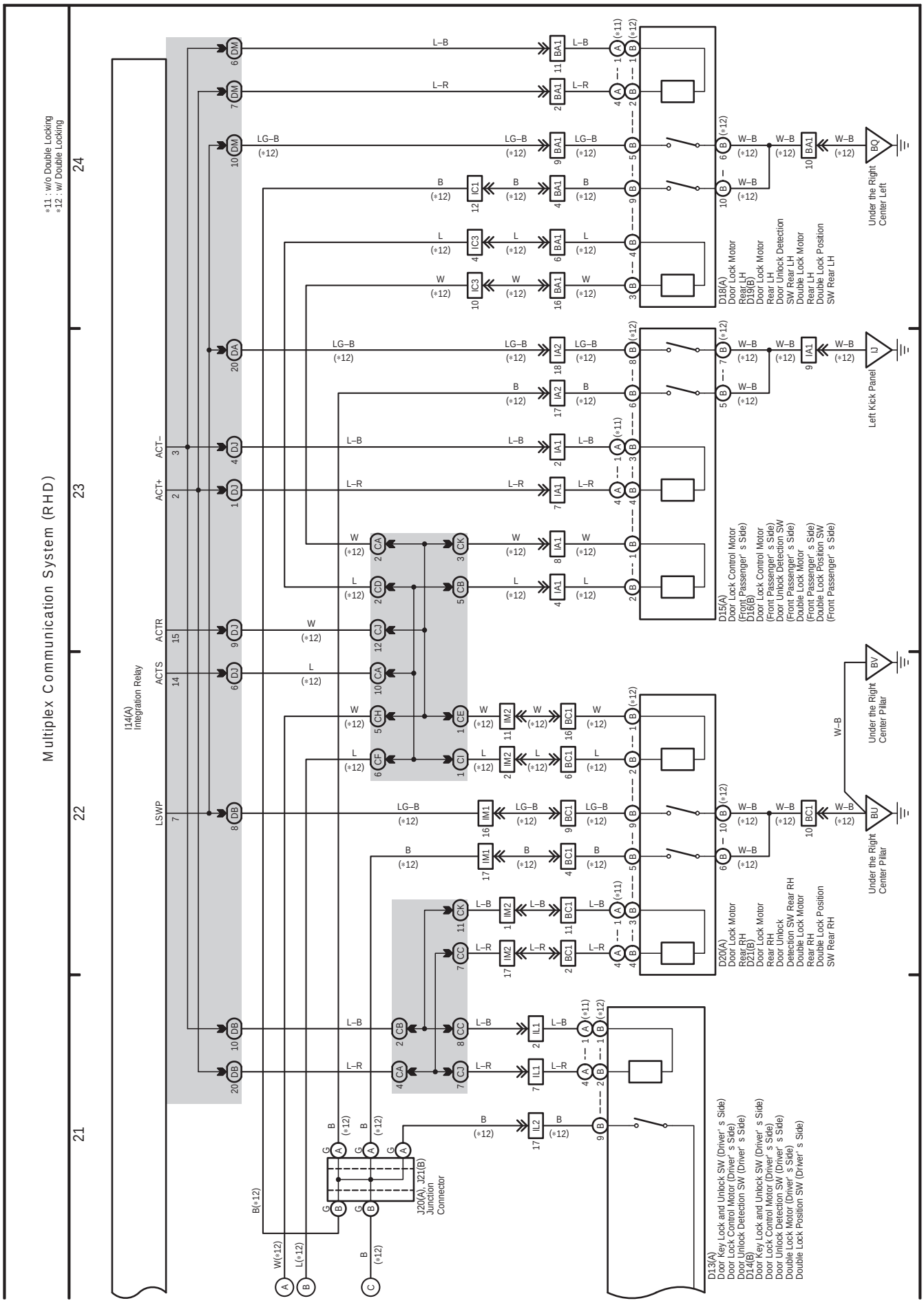

2 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (RHD)
*4 : w/ Theft Deterrent
*9 : w/ Engine Immobiliser System
*10 : w/o Engine Immobiliser System
I14(A) Integration Relay
J32 Junction Connector
D12 Door Courtesy SW Rear RH
D11 Door Courtesy SW Rear LH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
Transponder Key Computer
I16 Interior Light
D 8 Door Courtesy Light RH
D 7 Door Courtesy Light LH
L 5 Luggage Compartment Light
R17 Rear Interior Light
D 3 Diode
P 8 Personal Light
V 9 Vanity Light RH
V 8 Vanity Light LH
I11(A), I12(B) Ignition Key Cylinder Light
J26(A), J27(B) Junction Connector

http://vnx.su

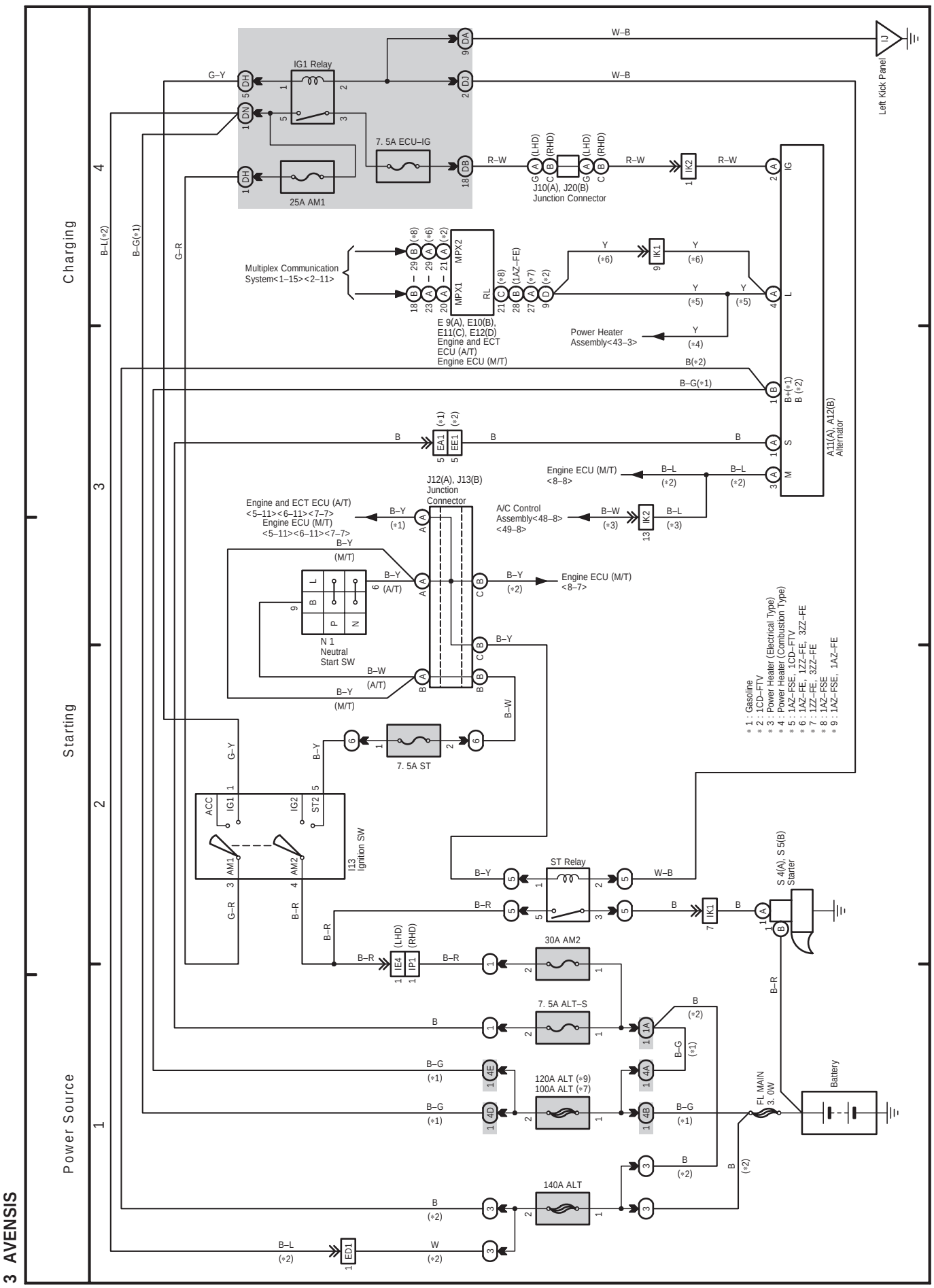

(Cont. next page)
2 AVENSIS (Cont' d)
Multiplex Communication System (RHD)
17
18
19
20
* 4 : w/ Theft Deterrent
* 8 : Except 1AZ–FE
* 9 : w/ Engine Immobiliser System
*11 : w/o Double Locking
*12 : w/ Double Locking
I14(A) Integration Relay
D13(A) Door Key Lock and Unlock SW (Driver's Side) Door Lock Control Motor (Driver's Side) Door Unlock Detection SW (Driver's Side)
D14(B) Door Key Lock and Unlock SW (Driver's Side) Door Lock Control Motor (Driver's Side) Door Unlock Detection SW (Driver's Side) Double Lock Motor (Driver's Side) Double Lock Position SW (Driver's Side)
D17 Door Lock Control SW
Unlock
Lock
Right Kick Panel
L 4 Luggage Compartment Door Opener SW
L 3 Luggage Compartment Door Lock Motor Luggage Compartment Light SW
J30(A), J31(B) Junction Connector
Lower Back Panel Left
Right Side of the Back Door
B 8 Back Door Opener SW
J33(A), J34(B) Junction Connector
B 7 Back Door Courtesy SW Back Door Lock Motor
J32 Junction Connector
U 1 Unlock Warning SW
J22(A), J23(B) Junction Connector
Transponder Key Computer
<9–4>
DLPD
LSWD
UL2
L2
UL1
L1
BDSU
LACT
BDCY
KSW

http://vnx.su

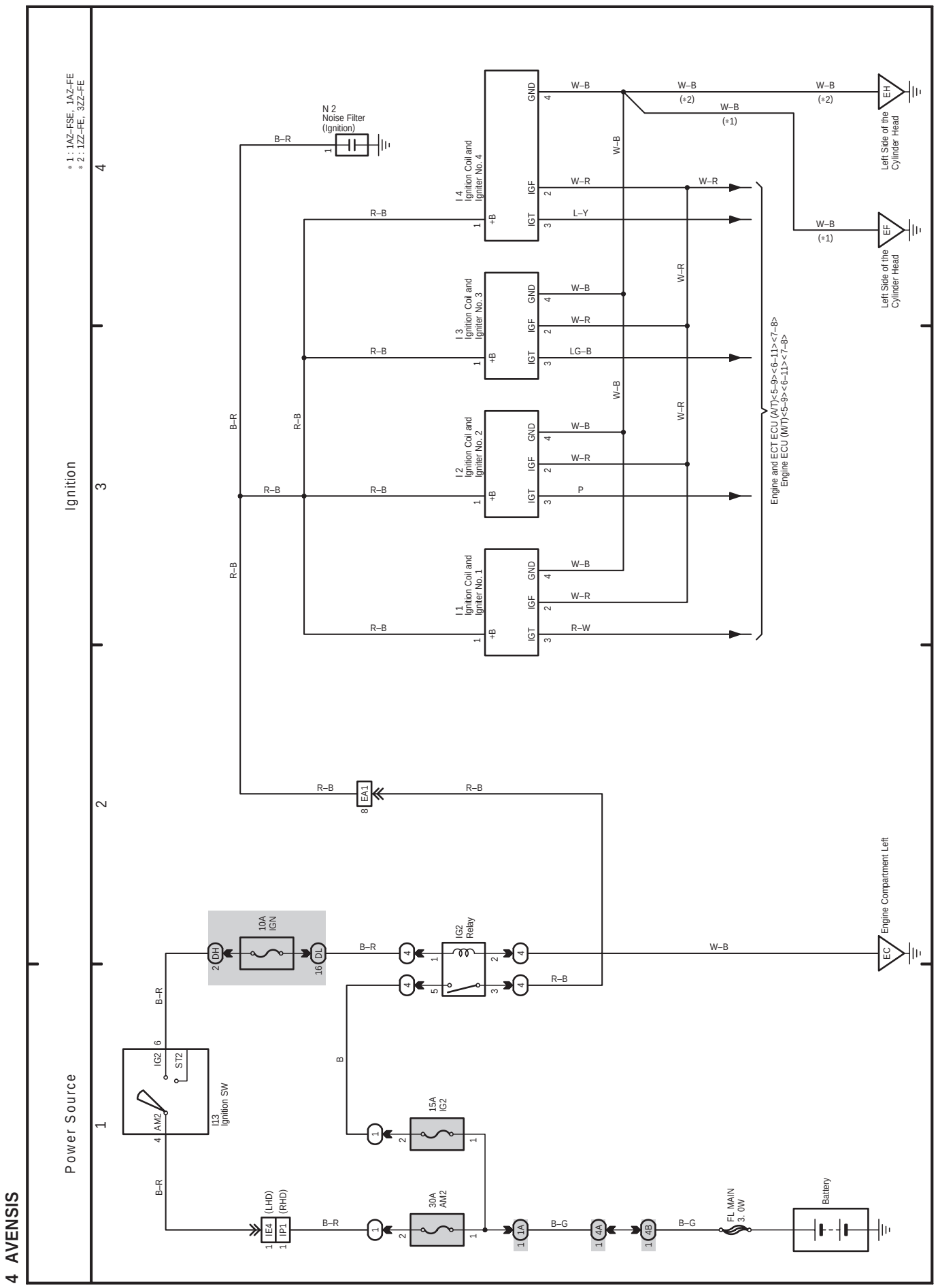
2 AVENSIS (Cont' d)



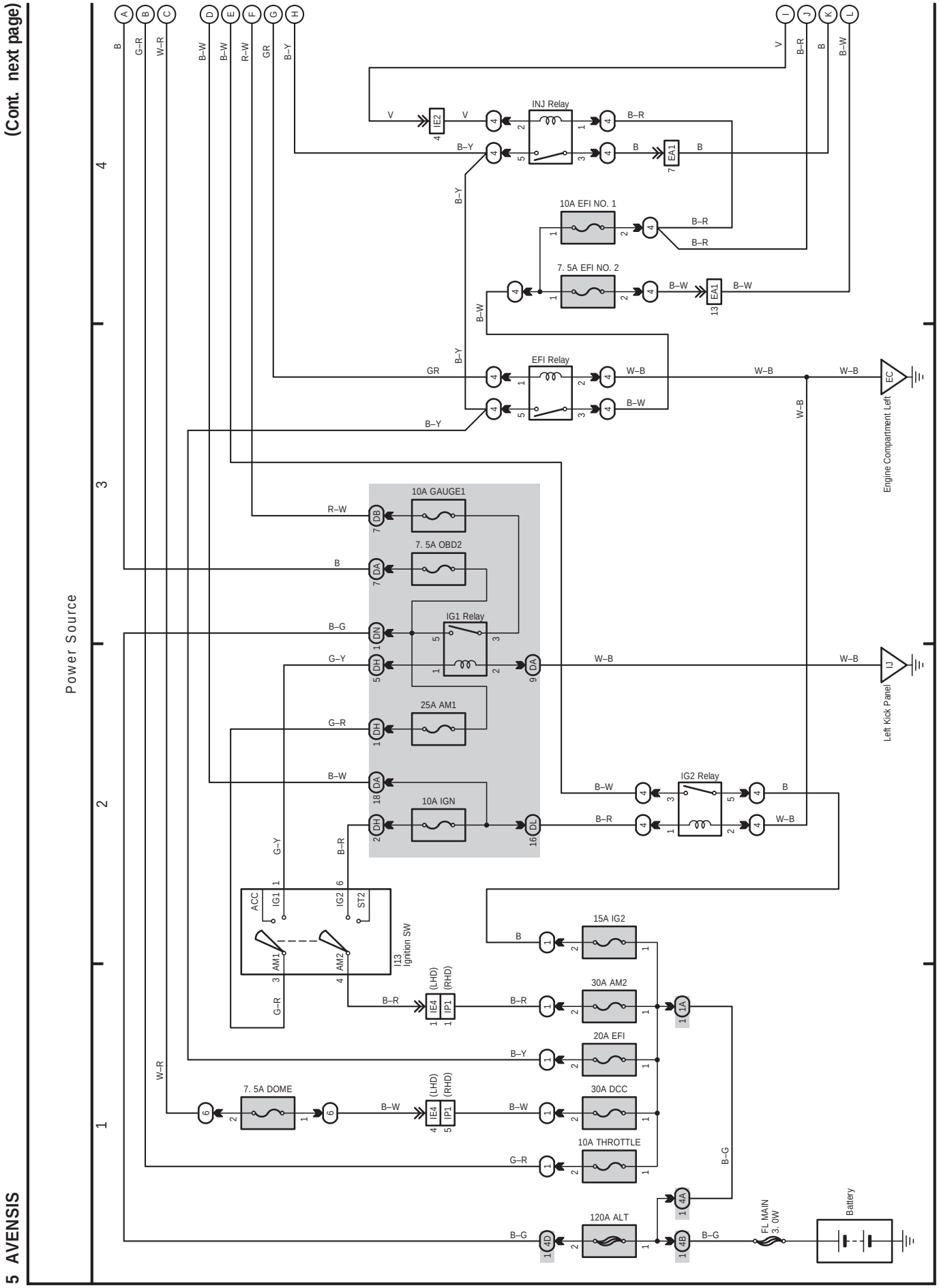
http://vnx.su


Charging
Starting
Power Source
IG1 Relay
7. 5A ECU–IG
25A AM1
J10(A), J20(B)
Junction Connector
Left Kick Panel
Multiplex Communication
System<1–15><2–11>
E 9(A), E10(B),
E11(C), E12(D)
Engine and ECT
ECU (A/T)
Engine ECU (M/T)
Power Heater
Assembly<43–3>
A11(A), A12(B)
Alternator
J12(A), J13(B)
Junction
Connector
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<8–8>
A/C Control
Assembly<48–8>
<49–8>
N 1
Neutral
Start SW
7. 5A ST
I13
Ignition SW
ST Relay
S 4(A), S 5(B)
Starter
30A AM2
7. 5A ALT–S
120A ALT (*9)
100A ALT (*7)
140A ALT
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 1AZ–FSE, 1CD–FTV
* 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : 1AZ–FSE
* 9 : 1AZ–FSE, 1AZ–FE

http://vnx.su


4 AVENSIS
Power Source
Ignition
1
2
3
4
* 1 : 1AZ–FSE, 1AZ–FE
* 2 : 1ZZ–FE, 3ZZ–FE
N 2
Noise Filter
(Ignition)
I 4
Ignition Coil and
Igniter No. 4
I 3
Ignition Coil and
Igniter No. 3
I 2
Ignition Coil and
Igniter No. 2
I 1
Ignition Coil and
Igniter No. 1
GND
IGF
IGT
+B
W–B
W–R
L–Y
LG–B
P
R–W
R–B
B–R
B
B–G
(*1)
(*2)
Left Side of the
Cylinder Head
EH
EF
Engine and ECT ECU (A/T)<5–9><6–11><7–8>
Engine ECU (M/T)<5–9><6–11><7–8>
EA1
EC
Engine Compartment Left
10A
IGN
IG2
Relay
15A
IG2
30A
AM2
I13
Ignition SW
IG2
ST2
AM2
IE4 (LHD)
IP1 (RHD)
1A
4A
4B
FL MAIN
3. 0W
Battery

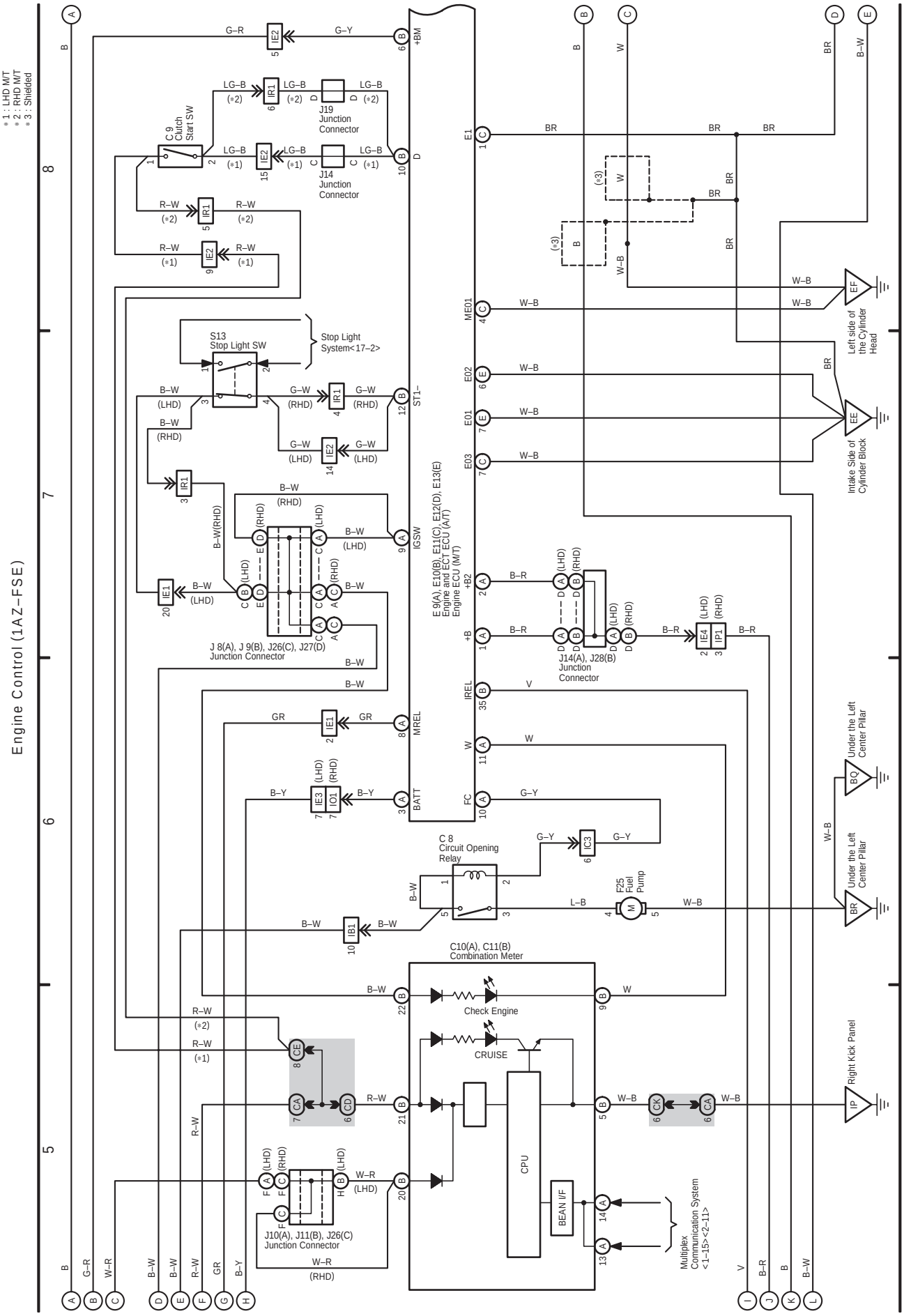
http://vnx.su


(Cont. next page)
5 AVENSIS
Power Source
INJ Relay
EFI Relay
IG1 Relay
IG2 Relay
10A EFI NO. 1
7. 5A EFI NO. 2
10A GAUGE1
7. 5A OBD2
25A AM1
10A IGN
15A IG2
30A AM2
20A EFI
7. 5A DOME
30A DCC
10A THROTTLE
120A ALT
I13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
(LHD)
(RHD)
Engine Compartment Left
Left Kick Panel
Battery
FL MAIN 3. 0W

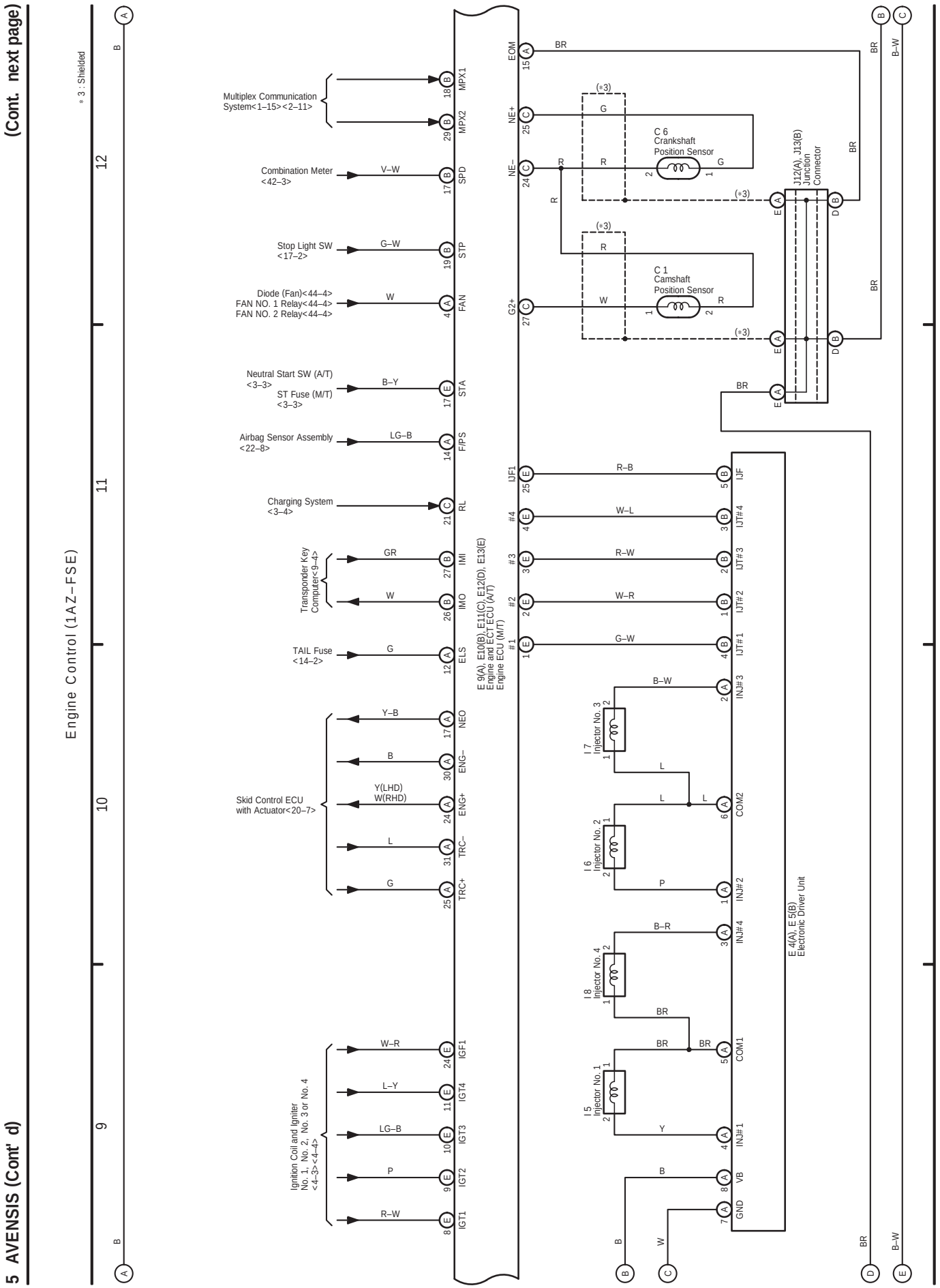
http://vnx.su

5 AVENSIS (Cont' d)

(Cont. next page)



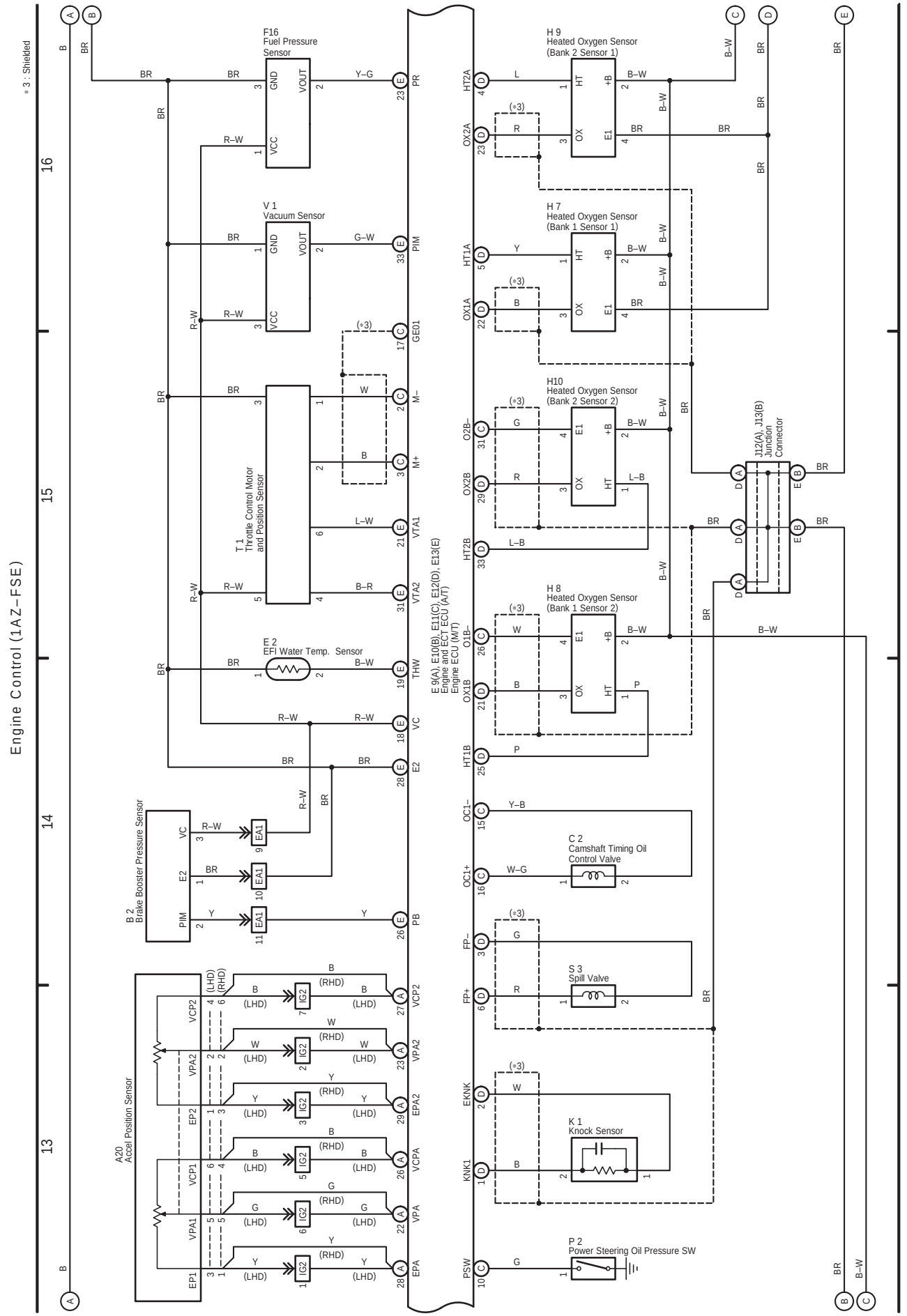
http://vnx.su


5 AVENSIS (Cont' d)
(Cont. next page)
* 3 : Shielded
Engine Control (1AZ–FSE)
9
10
11
12
Multiplex Communication System<1–15><2–11>
Combination Meter <42–3>
Stop Light SW <17–2>
Diode (Fan)<44–4> FAN NO. 1 Relay<44–4> FAN NO. 2 Relay<44–4>
Neutral Start SW (A/T) <3–3> ST Fuse (M/T) <3–3>
Airbag Sensor Assembly <22–8>
Charging System <3–4>
Transponder Key Computer<9–4>
TAIL Fuse <14–2>
Skid Control ECU with Actuator<20–7>
Ignition Coil and Igniter No. 1, No. 2, No. 3 or No. 4 <4–3><4–4>
E 9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
E 4(A), E 5(B) Electronic Driver Unit
C 6 Crankshaft Position Sensor
C 1 Camshaft Position Sensor
J112(A), J113(B) Junction Connector
I 5 Injector No. 1
I 6 Injector No. 2
I 7 Injector No. 3
I 8 Injector No. 4

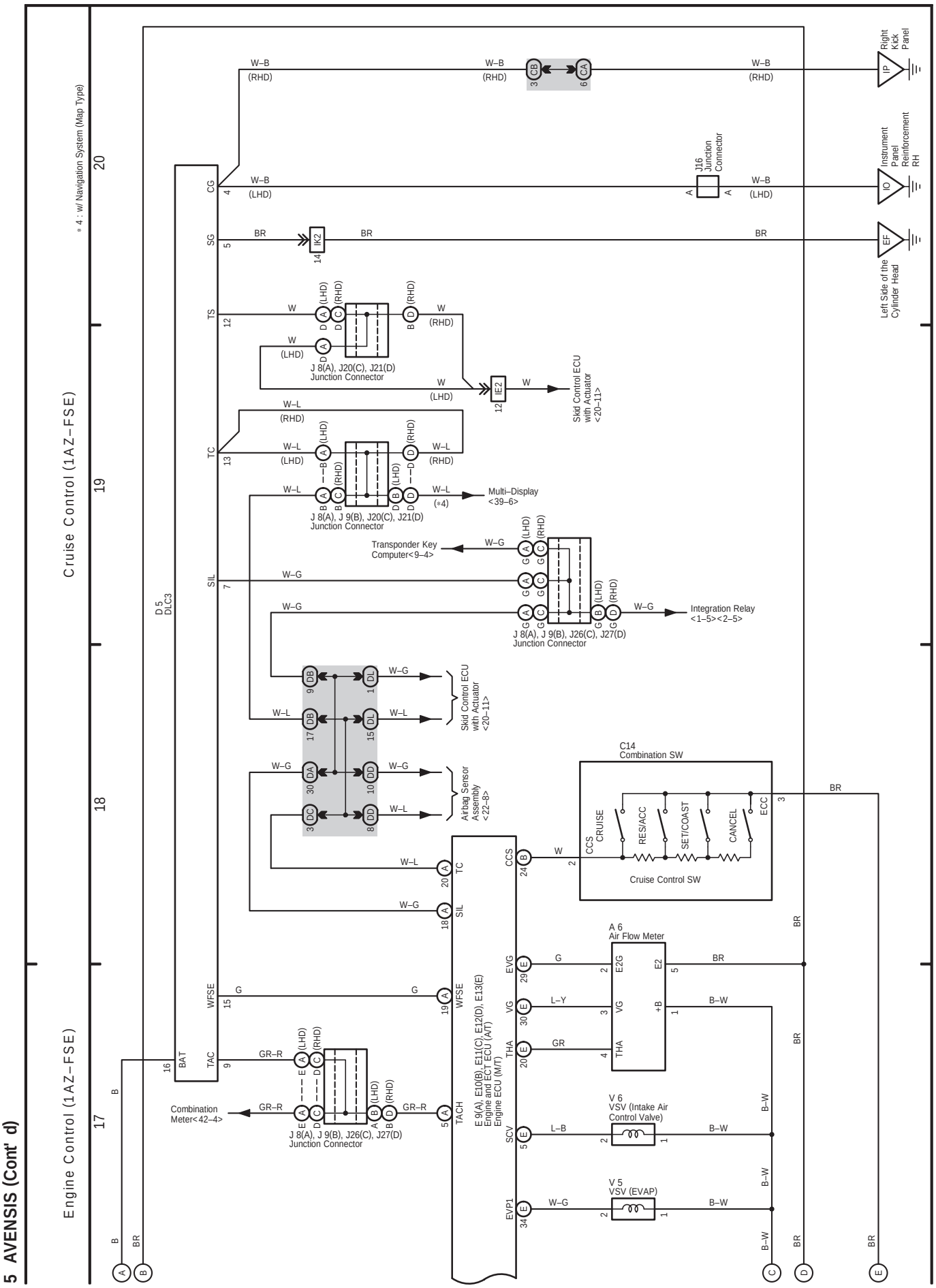
http://vnx.su

5 AVENSIS (Cont' d)

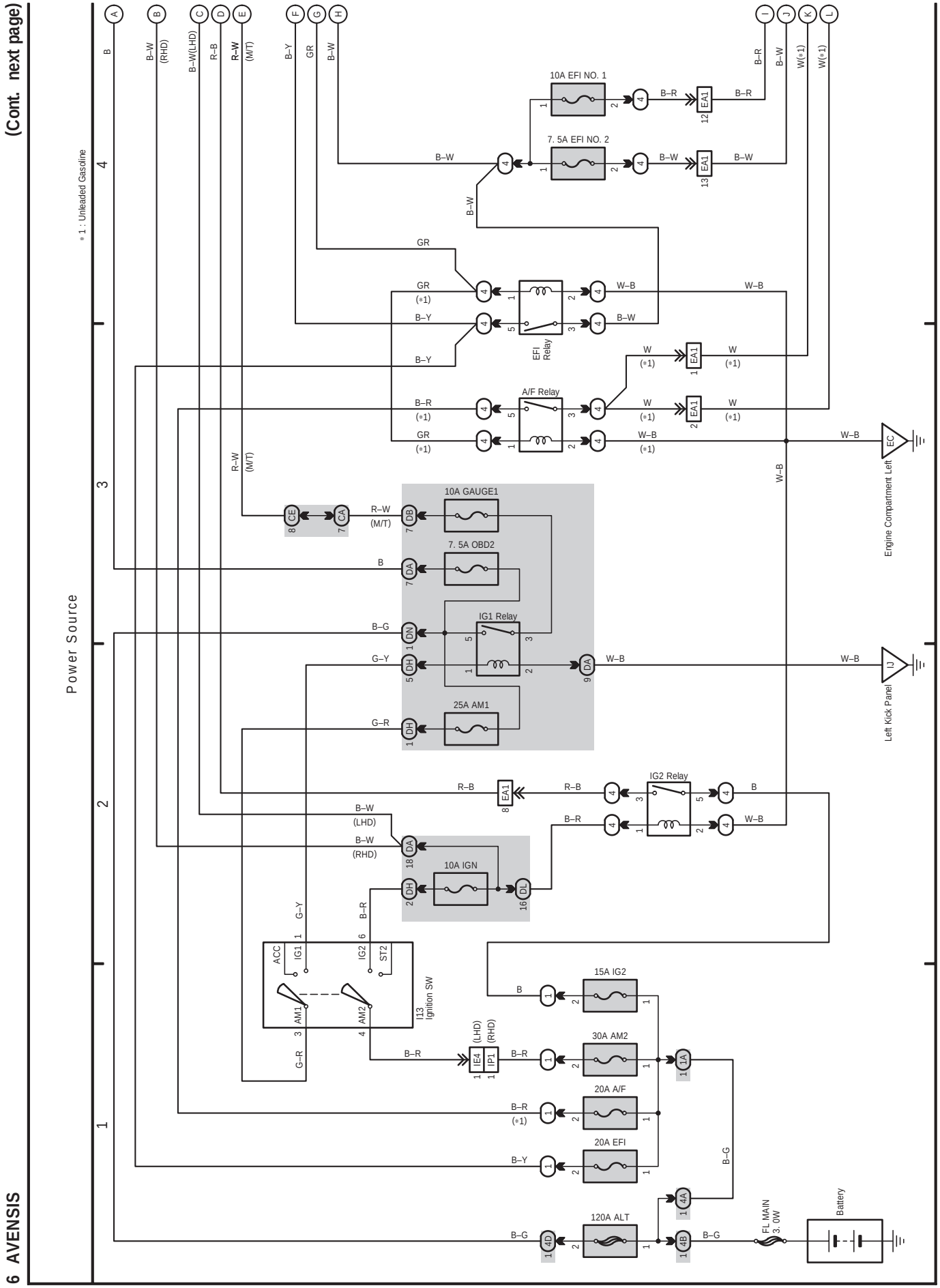
(Cont. next page)



http://vnx.su

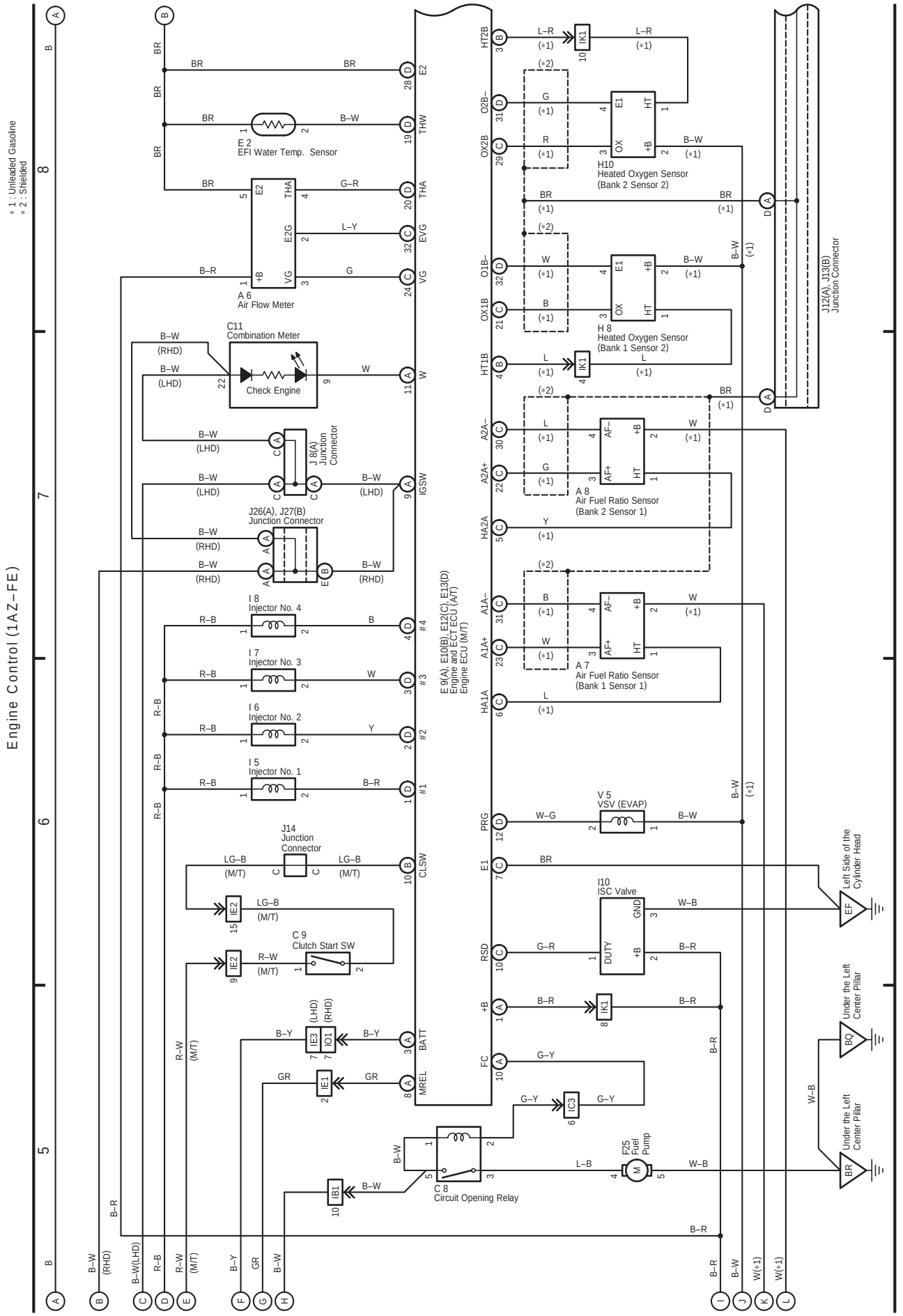

5 AVENSIS (Cont' d)
Engine Control (1AZ–FSE)
Cruise Control (1AZ–FSE)
17
18
19
20
* 4 : w/ Navigation System (Map Type)
D 5
DLC3
BAT
TAC
WFSE
SG
CG
TS
TC
SIL
W–B (RHD)
W–B (LHD)
BR
W (RHD)
W (LHD)
W–L (RHD)
W–L (LHD)
W–G
GR–R
G
B
Right Kick Panel
IP
Instrument Panel Reinforcement RH
IO
J16 Junction Connector
Left Side of the Cylinder Head
EF
IK2
IE2
Skid Control ECU with Actuator <20–11>
J 8(A), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
Multi–Display <39–6>
(*4)
Transponder Key Computer<9–4>
Integration Relay <1–5><2–5>
Airbag Sensor Assembly <22–8>
Combination Meter<42–4>
C14 Combination SW
CRUISE
RES/ACC
SET/COAST
CANCEL
CCS
ECC
Cruise Control SW
A 6 Air Flow Meter
E2G
VG
THA
E2
+B
V 6 VSV (Intake Air Control Valve)
V 5 VSV (EVAP)
SCV
EVG
EVP1
TACH
CCS
TC
E 9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)

http://vnx.su


(Cont. next page)
6 AVENSIS
Power Source
* 1 : Unleaded Gasoline
10A EFI NO. 1
7. 5A EFI NO. 2
EFI Relay
A/F Relay
10A GAUGE1
7. 5A OBD2
IG1 Relay
25A AM1
IG2 Relay
10A IGN
15A IG2
30A AM2
20A A/F
20A EFI
120A ALT
Ignition SW
Engine Compartment Left
Left Kick Panel
Battery
FL MAIN
3. 0W

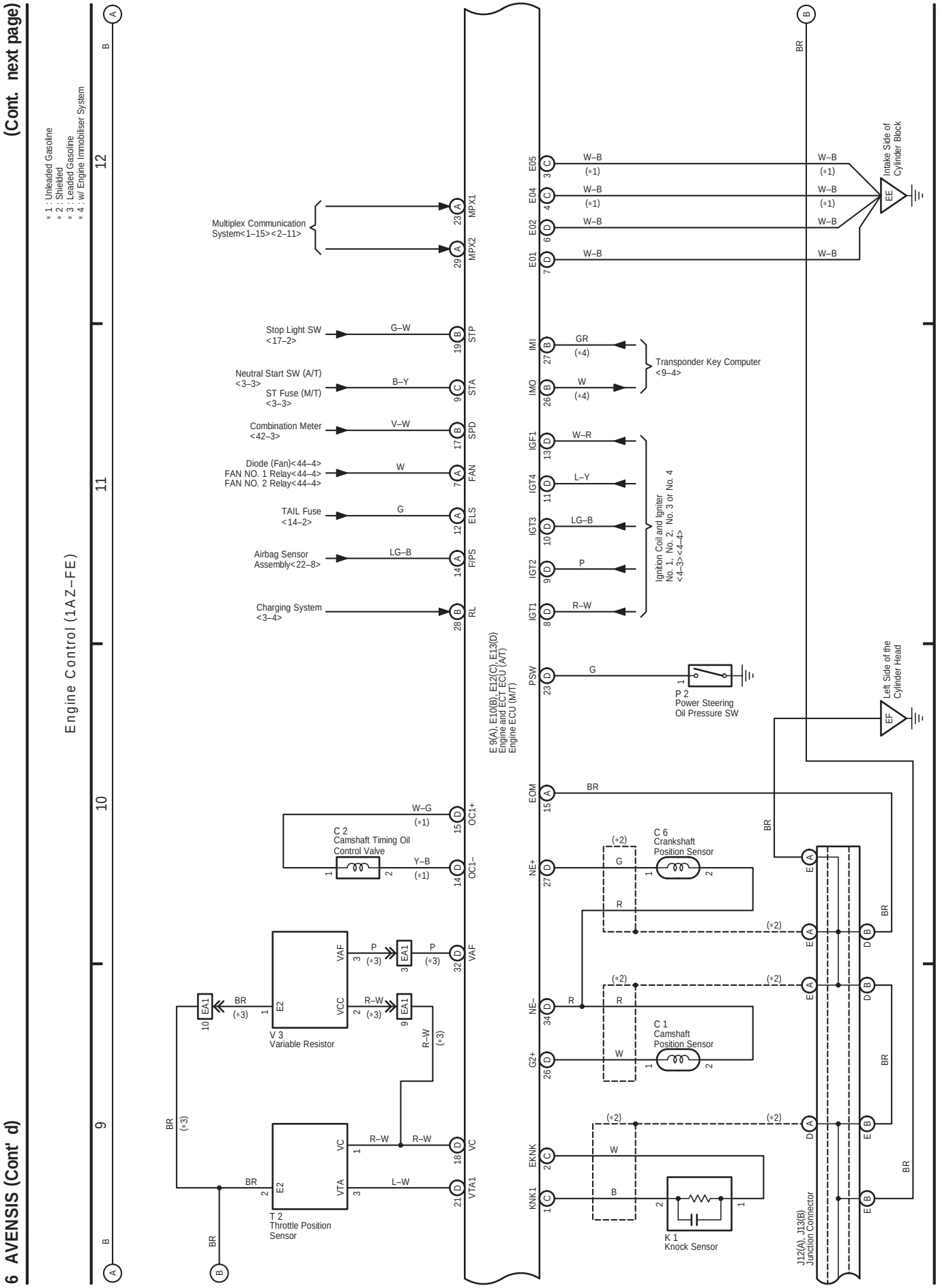
http://vnx.su

(Cont. next page)

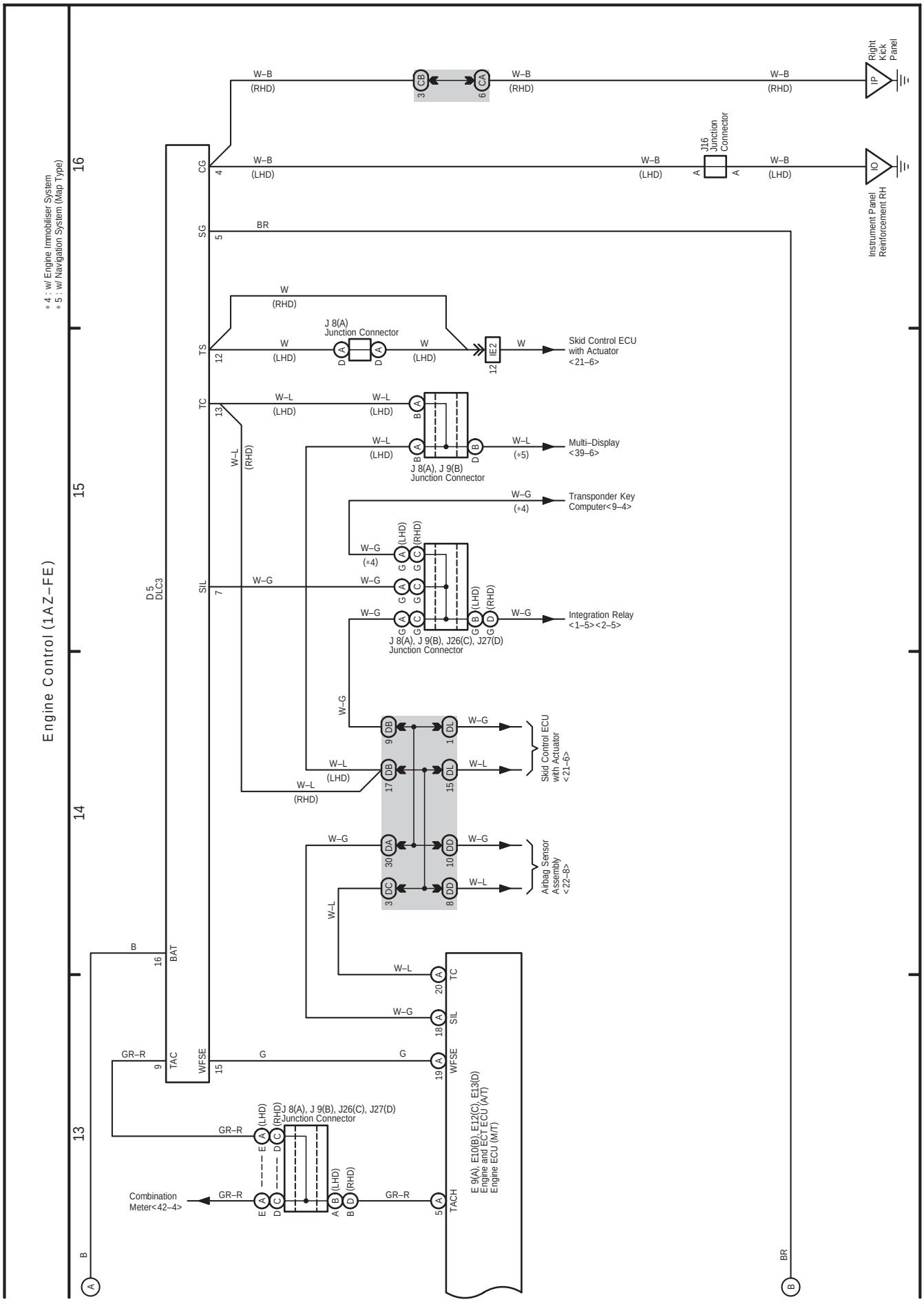


http://vnx.su

(Cont. next page)

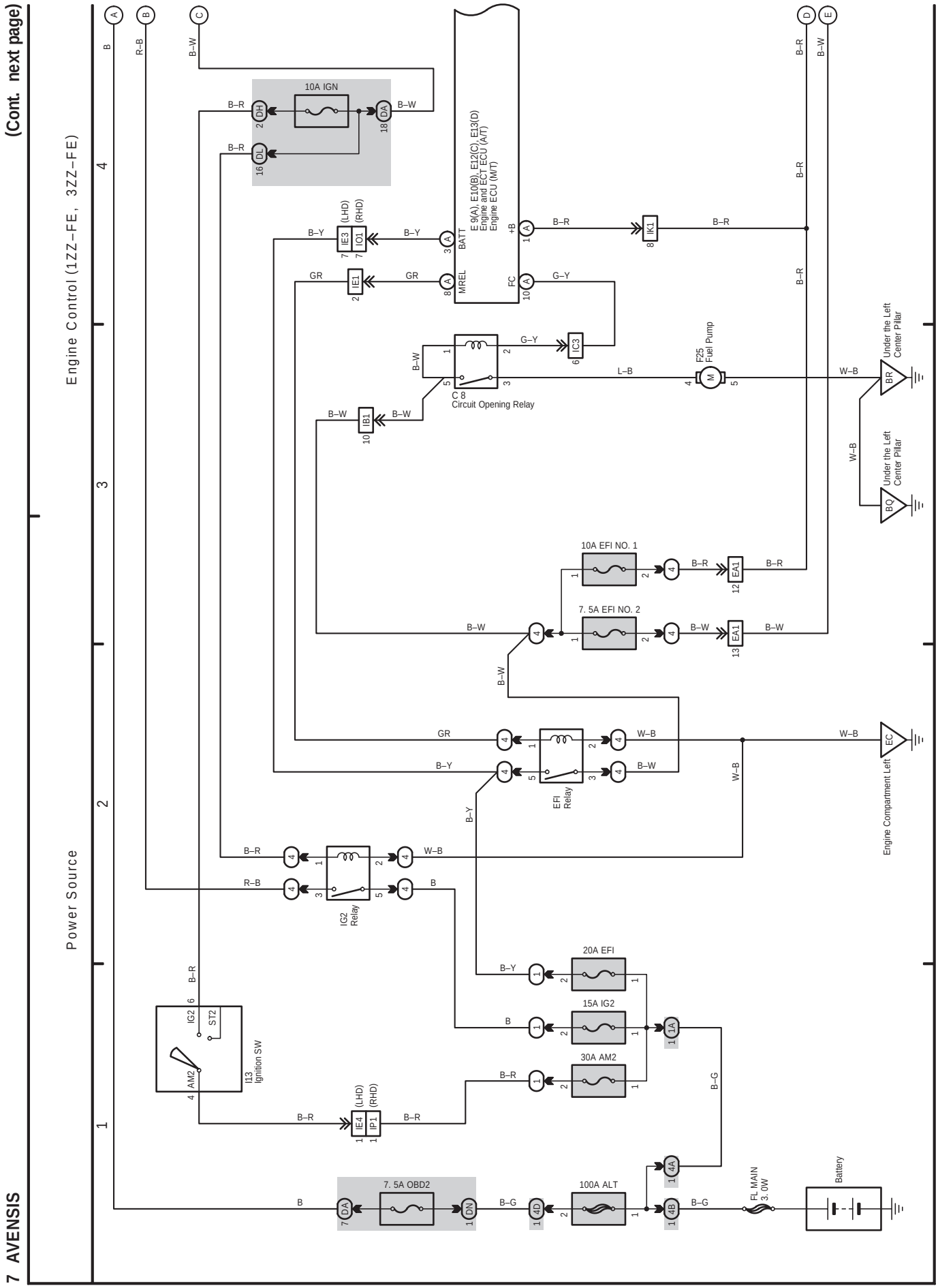


http://vnx.su



6 AVENSIS (Cont' d)

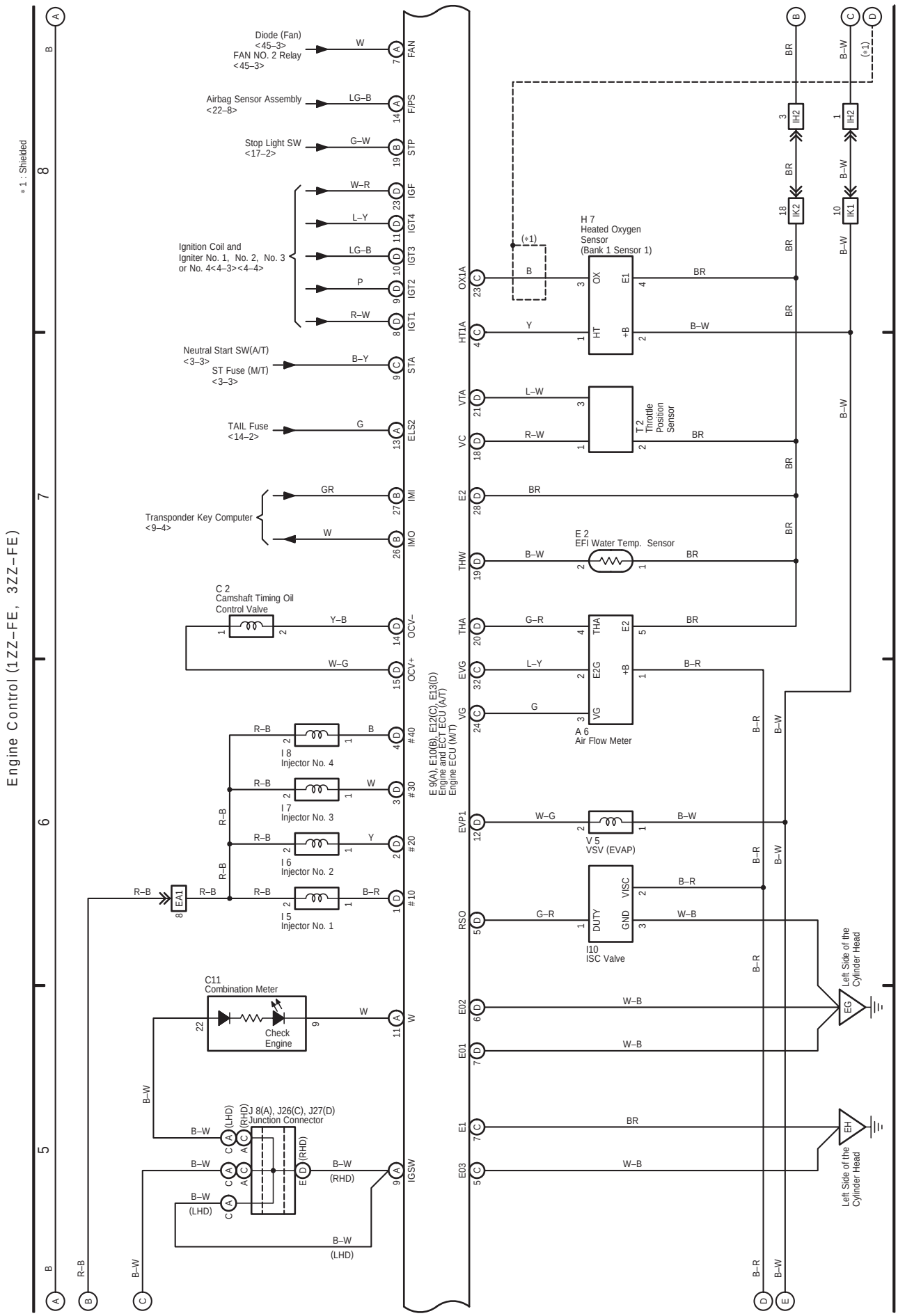
http://vnx.su


(Cont. next page)
Engine Control (1ZZ–FE, 3ZZ–FE)
Power Source
10A IGN
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
BATT
+B
MREL
FC
IE3 (LHD) IO1 (RHD)
IE1
IK1
IC3
C 8
Circuit Opening Relay
F25
Fuel Pump
IB1
Under the Left Center Pillar
10A EFI NO. 1
7. 5A EFI NO. 2
EA1
EFI Relay
Engine Compartment Left
IG2 Relay
20A EFI
15A IG2
30A AM2
I13
Ignition SW
IE4 (LHD) IP1 (RHD)
7. 5A OBD2
100A ALT
FL MAIN
3. 0W
Battery
7 AVENSIS

http://vnx.su

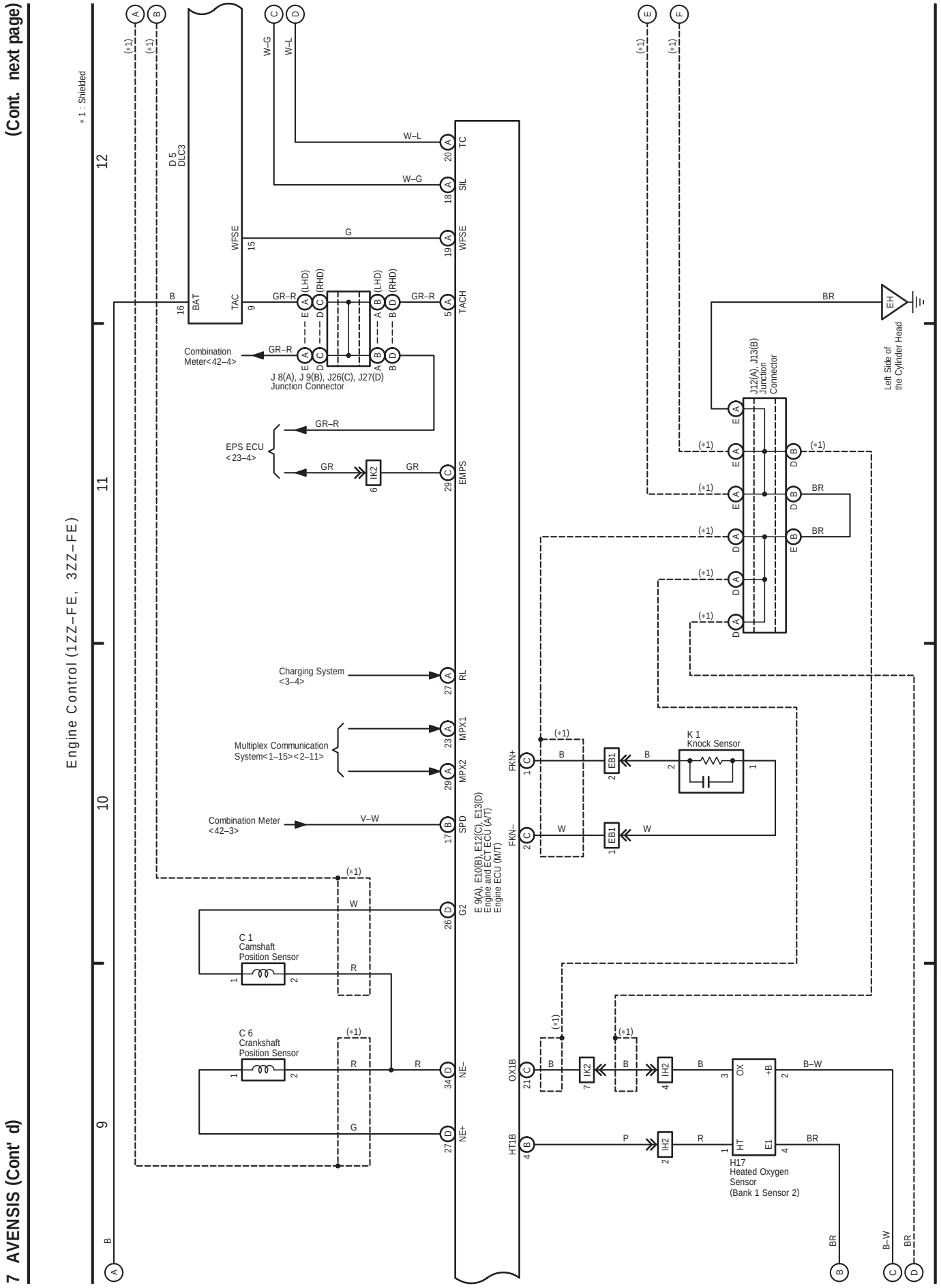
(Cont. next page)

7 AVENSIS (Cont' d)



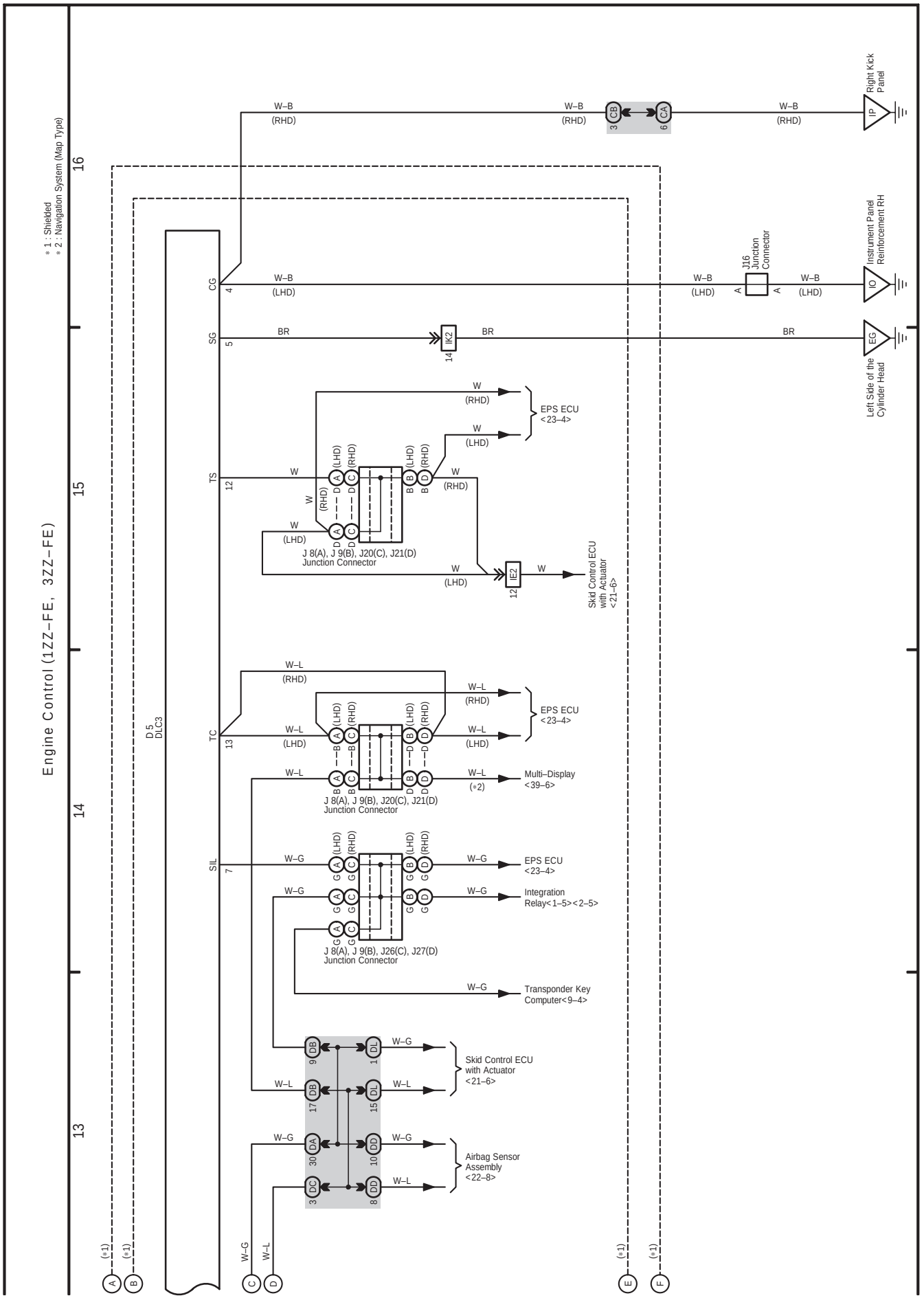
http://vnx.su

(Cont. next page)

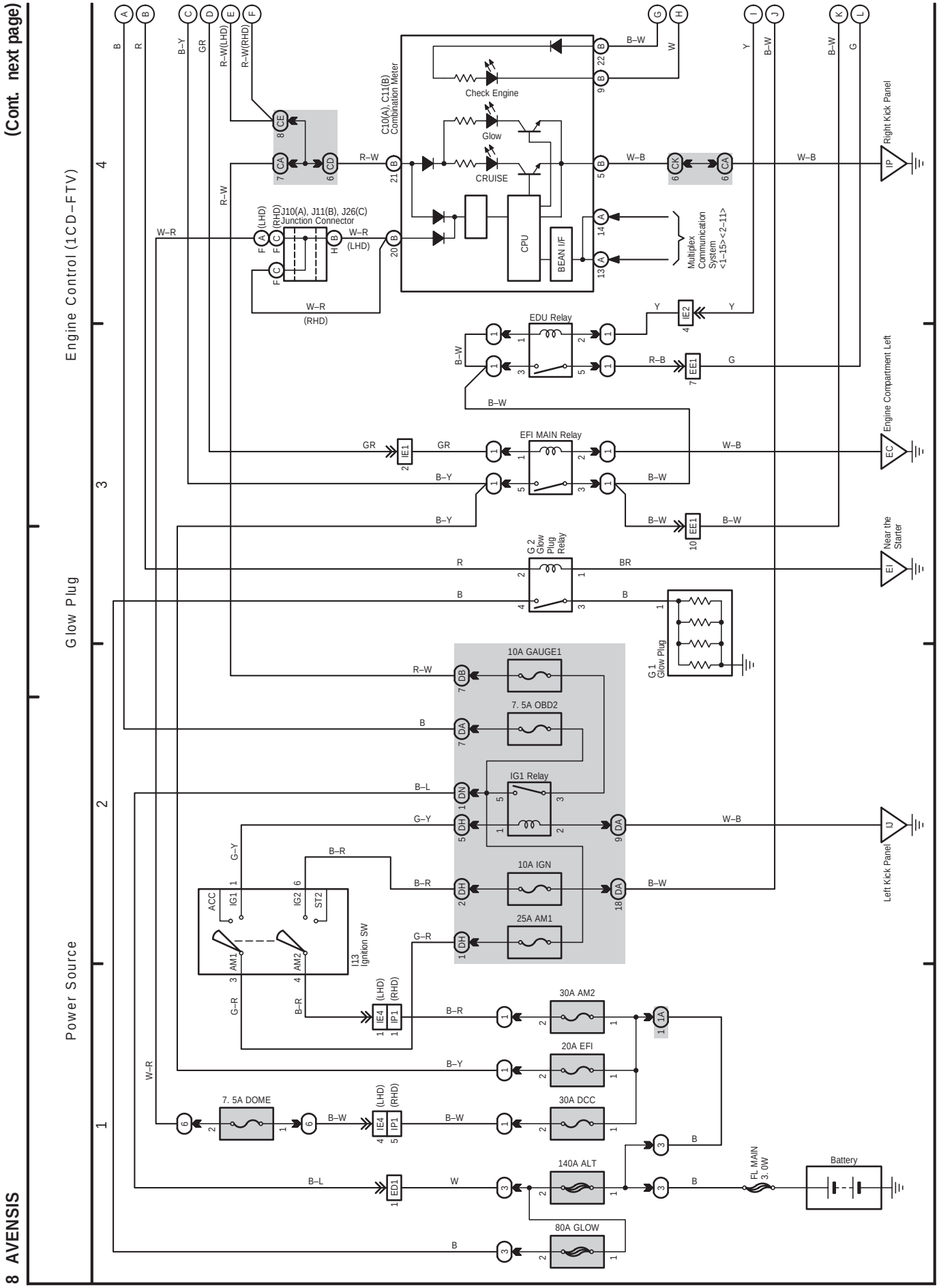


http://vnx.su

7 AVENSIS (Cont' d)



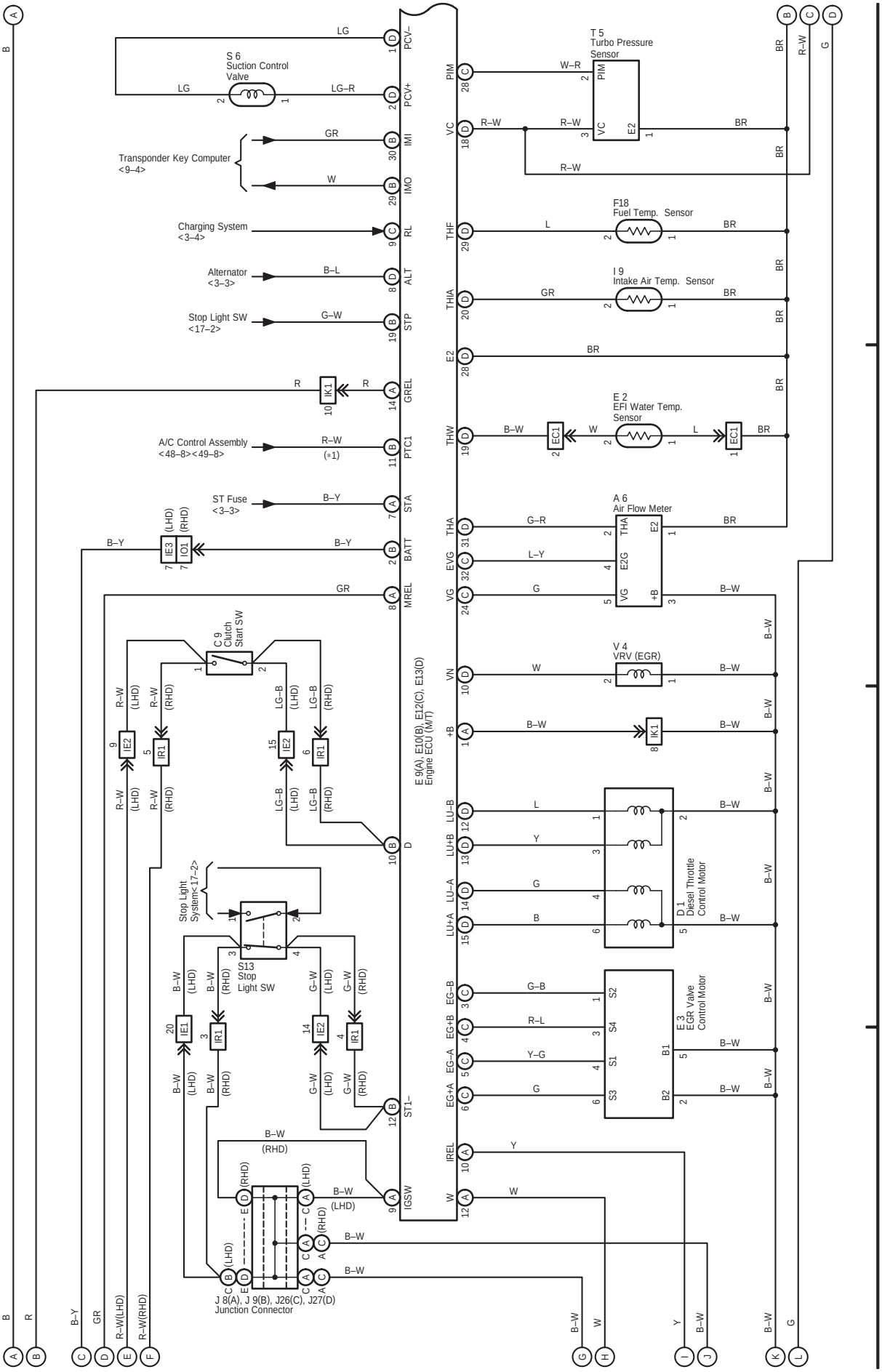
http://vnx.su


(Cont. next page)
Engine Control (1CD–FTV)
Glow Plug
Power Source
8 AVENSIS
C10(A), C11(B) Combination Meter
Check Engine
Glow
CRUISE
CPU
BEAN I/F
Multiplex Communication System <1–15> <2–11>
J10(A), J11(B), J26(C) Junction Connector
EDU Relay
EFI MAIN Relay
G 2 Glow Plug Relay
G 1 Glow Plug
IG1 Relay
I13 Ignition SW
10A GAUGE1
7. 5A OBD2
10A IGN
25A AM1
30A AM2
20A EFI
7. 5A DOME
30A DCC
140A ALT
80A GLOW
FL MAIN 3. 0W
Battery
Right Kick Panel
Engine Compartment Left
Near the Starter
Left Kick Panel

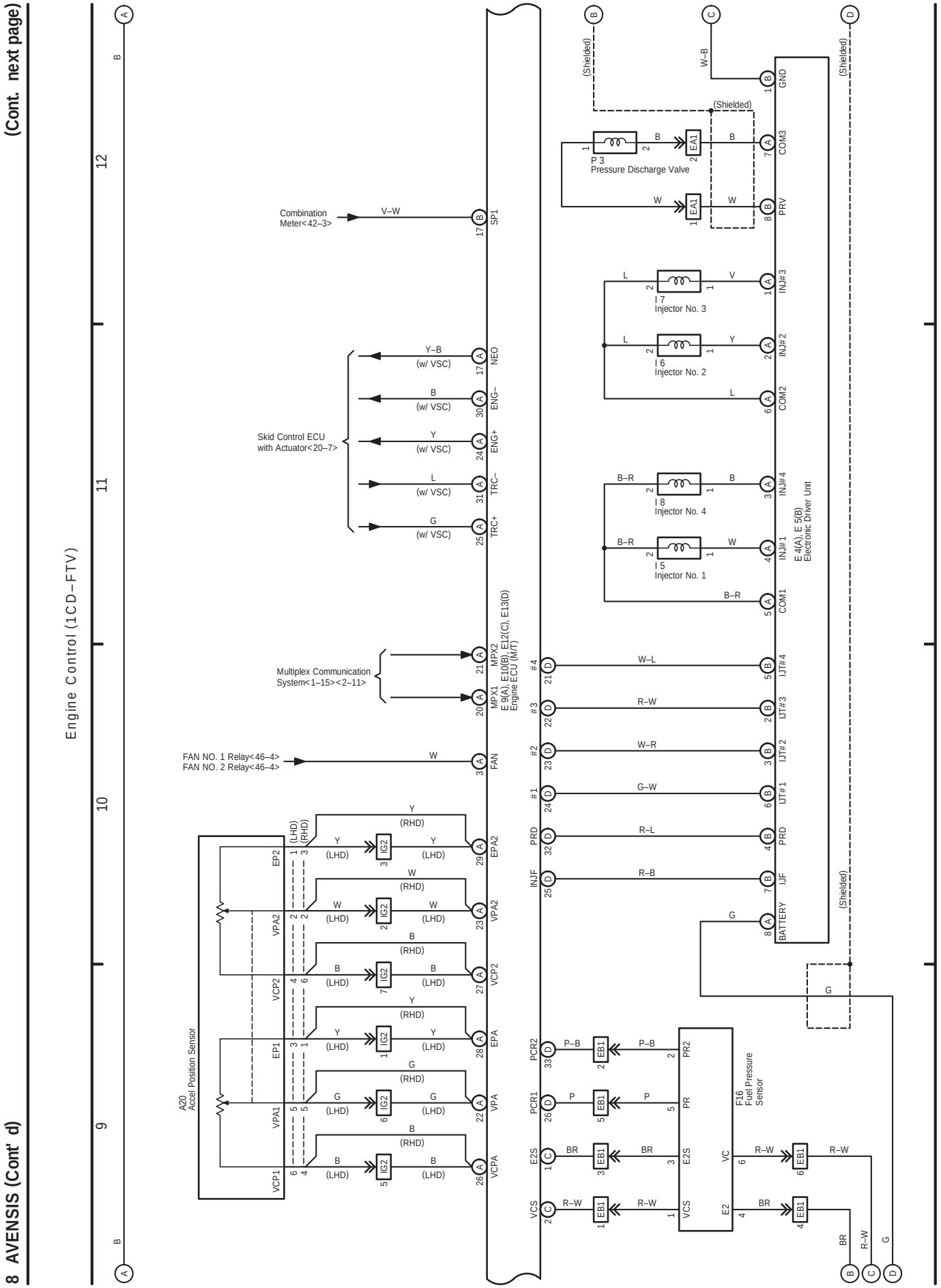
http://vnx.su

8 AVENSIS (Cont' d)

(Cont. next page)

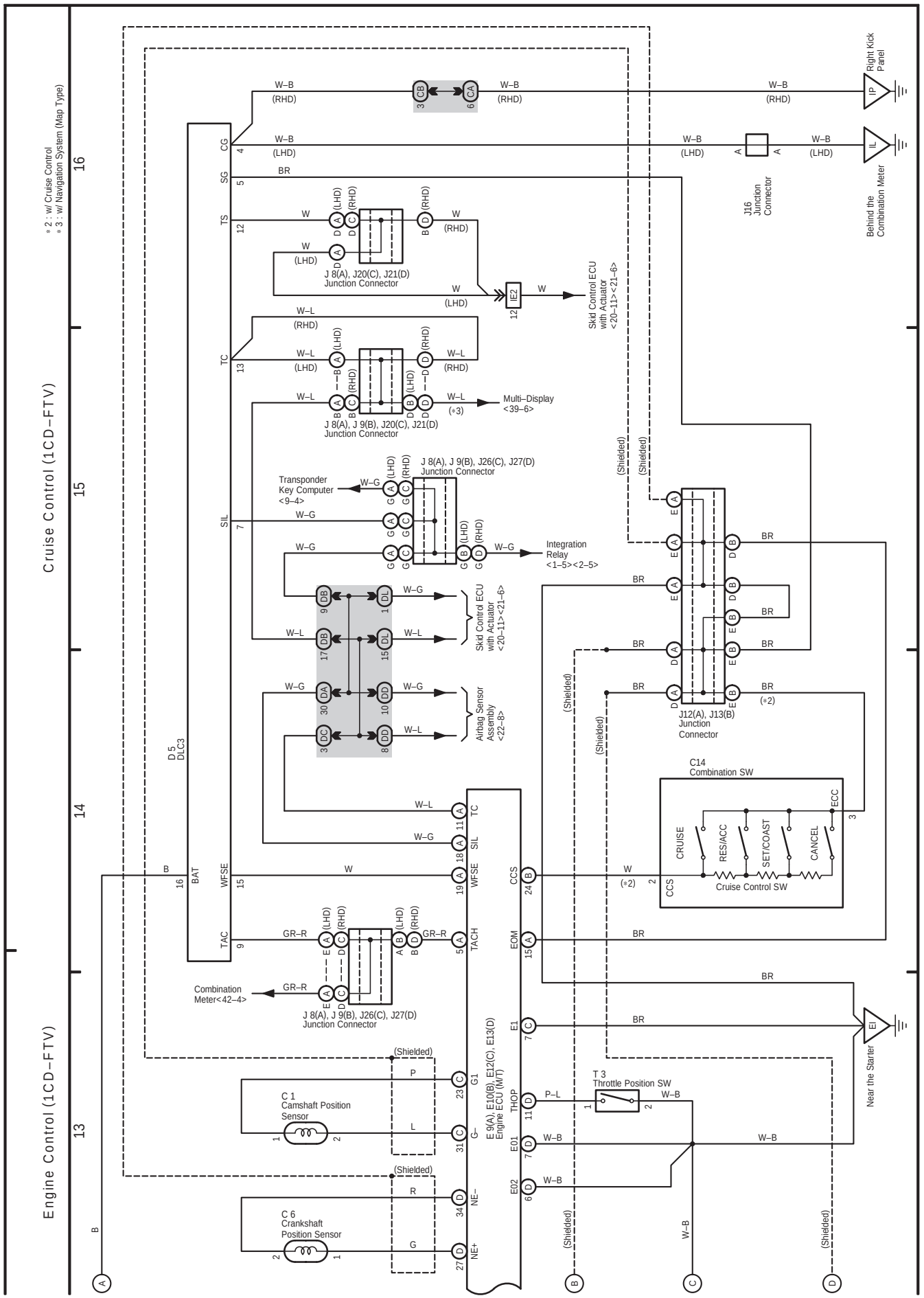


http://vnx.su

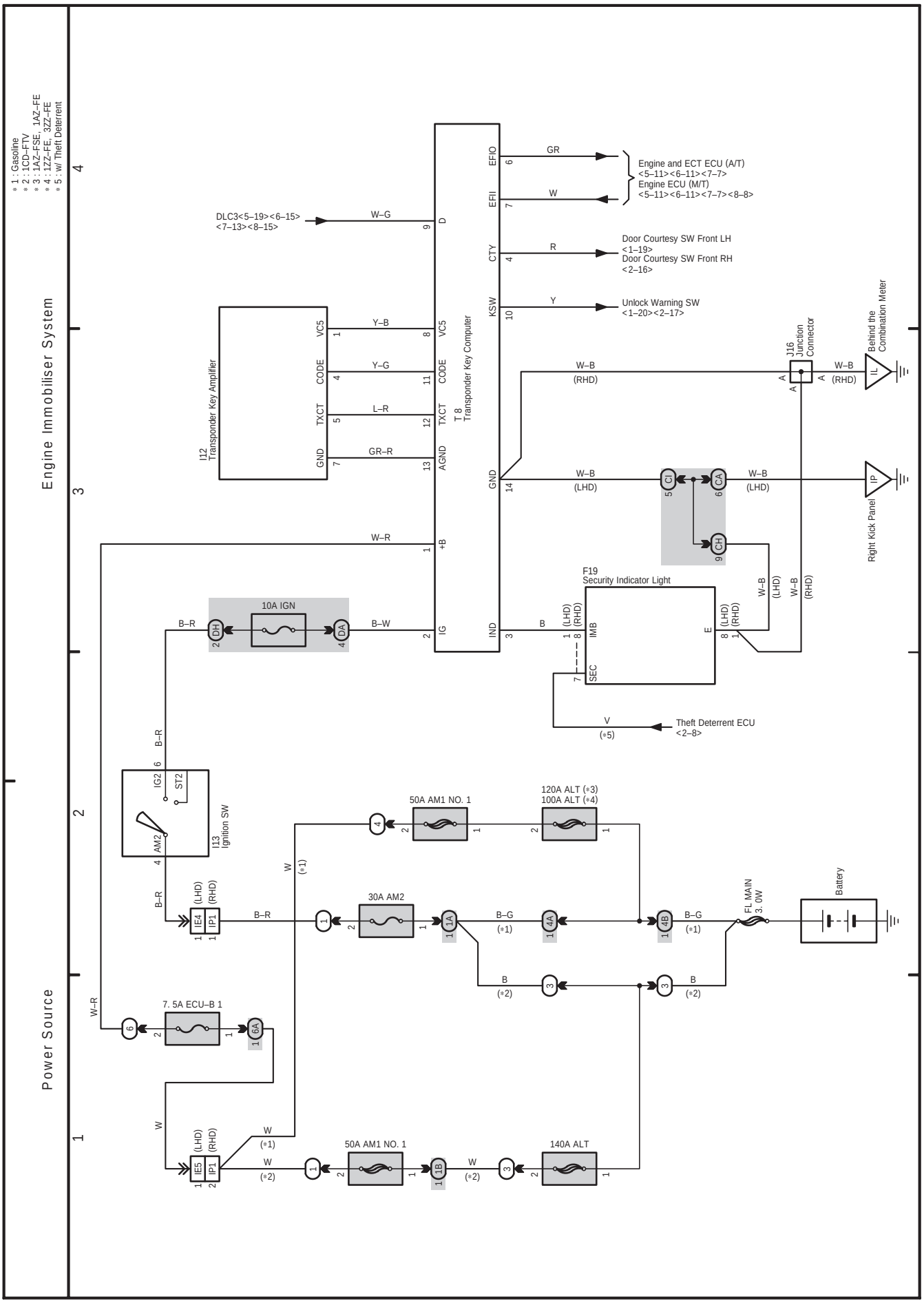

(Cont. next page)
8 AVENSIS (Cont' d)
Engine Control (1CD–FTV)
Combination Meter<42–3>
Skid Control ECU with Actuator<20–7>
Multiplex Communication System<1–15><2–11>
FAN NO. 1 Relay<46–4>
FAN NO. 2 Relay<46–4>
A20 Accel Position Sensor
MPX1 E 9(A), E10(B) Engine ECU (M/T)
MPX2 E12(C), E13(D)
E 4(A), E 5(B) Electronic Driver Unit
P 3 Pressure Discharge Valve
I 7 Injector No. 3
I 6 Injector No. 2
I 8 Injector No. 4
I 5 Injector No. 1
F16 Fuel Pressure Sensor
(Shielded)
(w/ VSC)
(LHD)
(RHD)

http://vnx.su

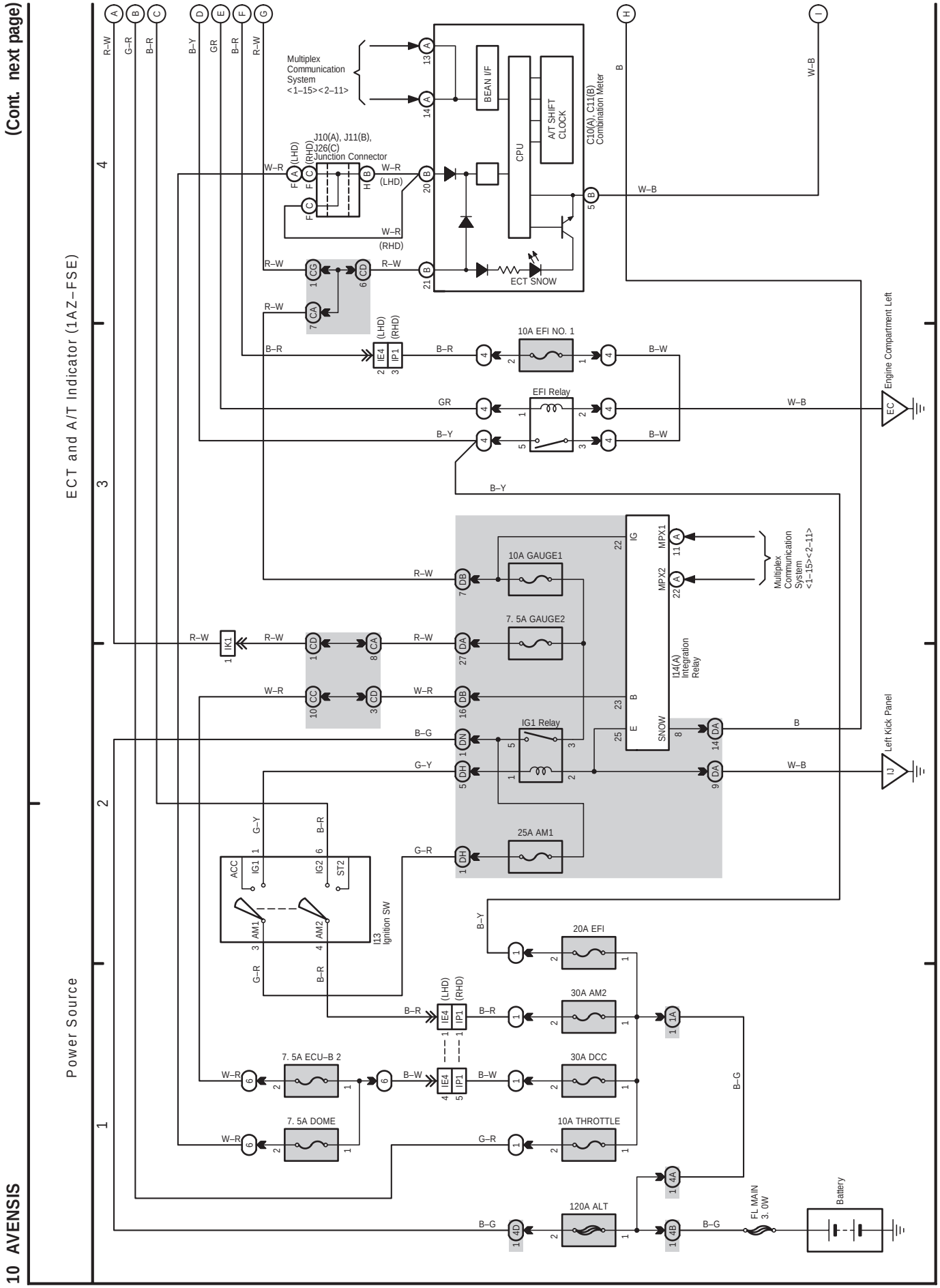
8 AVENSIS (Cont' d)



http://vnx.su


* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
Engine Immobiliser System
Power Source
I12 Transponder Key Amplifier
T 8 Transponder Key Computer
DLC3<5–19><6–15> <7–13><8–15>
Engine and ECT ECU (A/T) <5–11><6–11><7–7>
Engine ECU (M/T) <5–11><6–11><7–7><8–8>
Door Courtesy SW Front LH <1–19>
Door Courtesy SW Front RH <2–16>
Unlock Warning SW <1–20><2–17>
J16 Junction Connector
Behind the Combination Meter
Right Kick Panel
F19 Security Indicator Light
Theft Deterrent ECU <2–8>
10A IGN
I13 Ignition SW
50A AM1 NO. 1
120A ALT (*3) 100A ALT (*4)
30A AM2
7. 5A ECU–B 1
50A AM1 NO. 1
140A ALT
FL MAIN 3. 0W
Battery

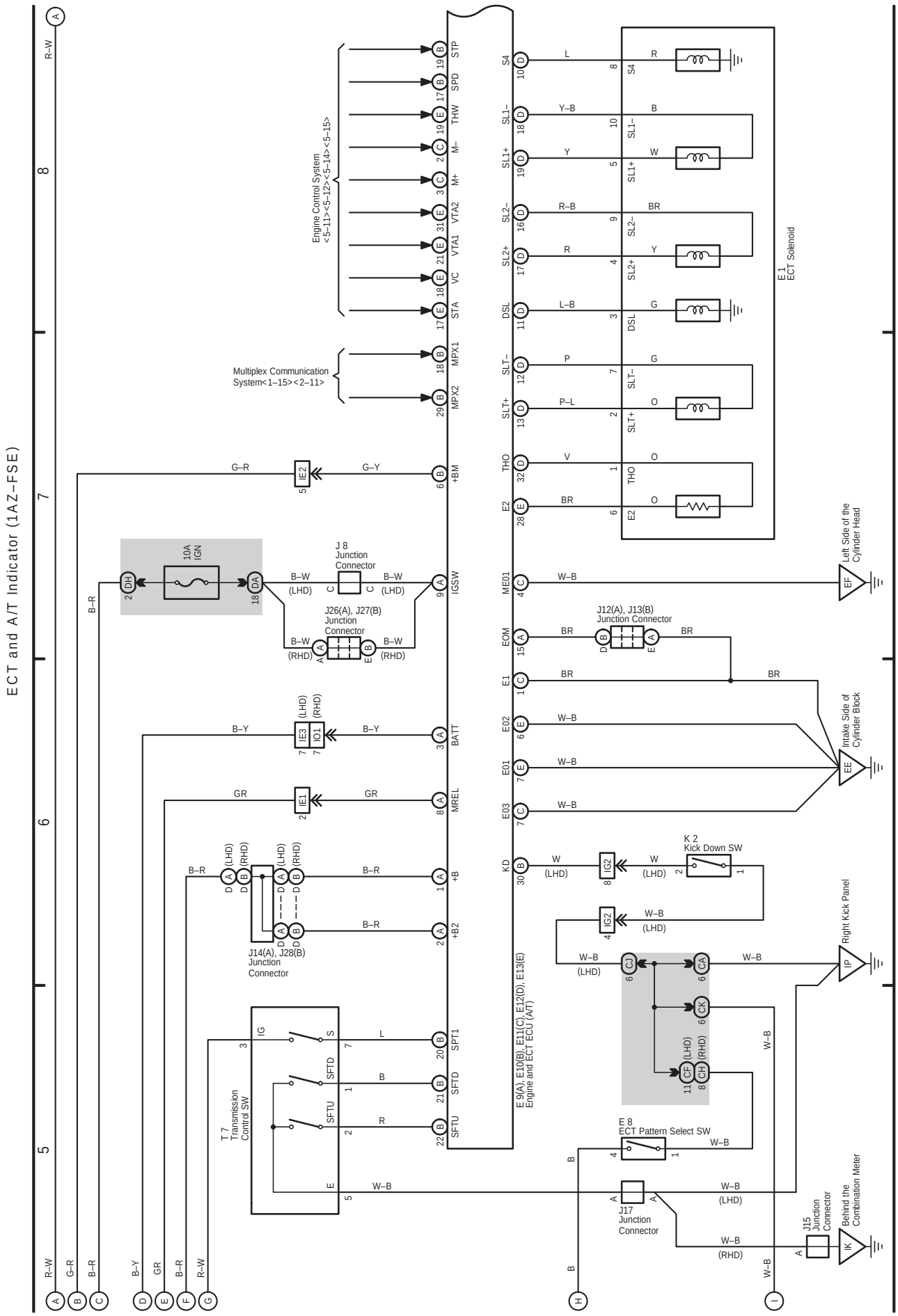
http://vnx.su


(Cont. next page)
ECT and A/T Indicator (1AZ–FSE)
Power Source
10 AVENSIS
Multiplex Communication System <1–15><2–11>
BEAN I/F
CPU
A/T SHIFT CLOCK
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
ECT SNOW
10A EFI NO. 1
EFI Relay
Engine Compartment Left
10A GAUGE1
7. 5A GAUGE2
I14(A) Integration Relay
IG1 Relay
25A AM1
Left Kick Panel
I13 Ignition SW
20A EFI
30A AM2
30A DCC
7. 5A ECU–B 2
7. 5A DOME
10A THROTTLE
120A ALT
FL MAIN 3. 0W
Battery

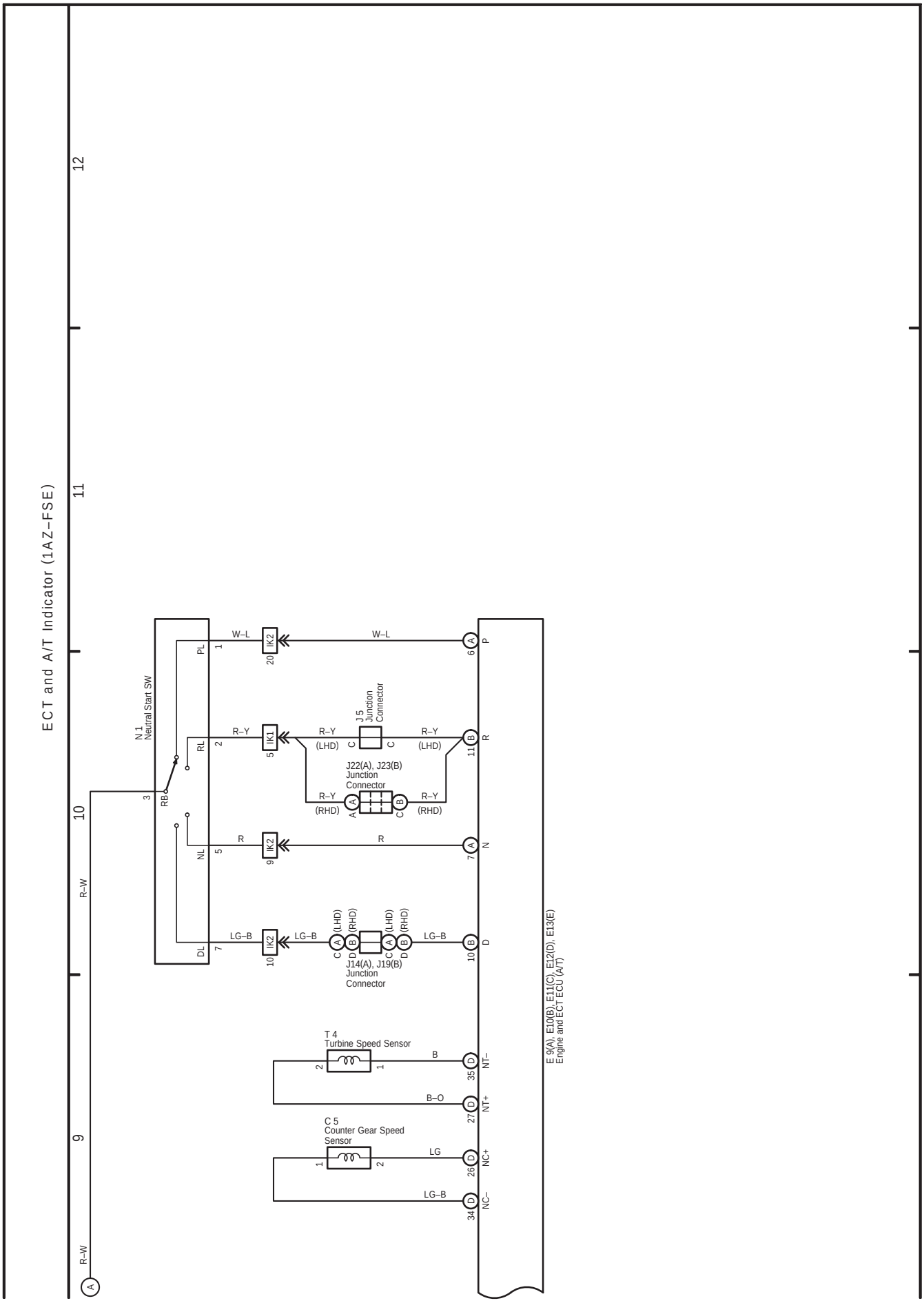
http://vnx.su

(Cont. next page)

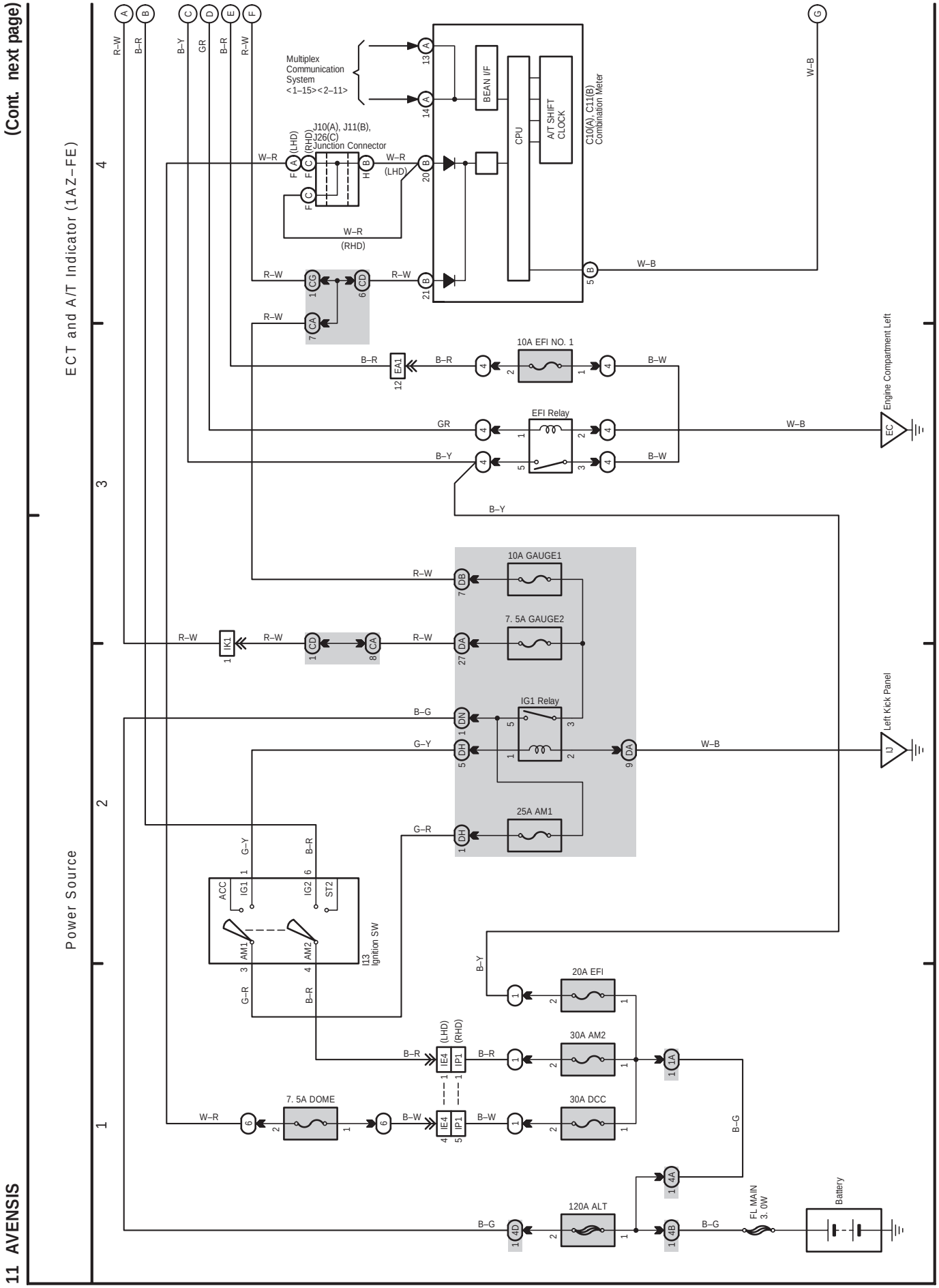
10 AVENSIS (Cont' d)



http://vnx.su


10 AVENSIS (Cont' d)
ECT and A/T Indicator (1AZ–FSE)
12
11
10
9
R–W
N 1
Neutral Start SW
PL
RL
RB
NL
DL
IK2
IK1
W–L
R–Y
R
LG–B
J5
Junction
Connector
(LHD)
(RHD)
J22(A), J23(B)
Junction
Connector
J14(A), J19(B)
Junction
Connector
T 4
Turbine Speed Sensor
B
B–O
NT–
NT+
C 5
Counter Gear Speed
Sensor
LG
NC+
NC–
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)

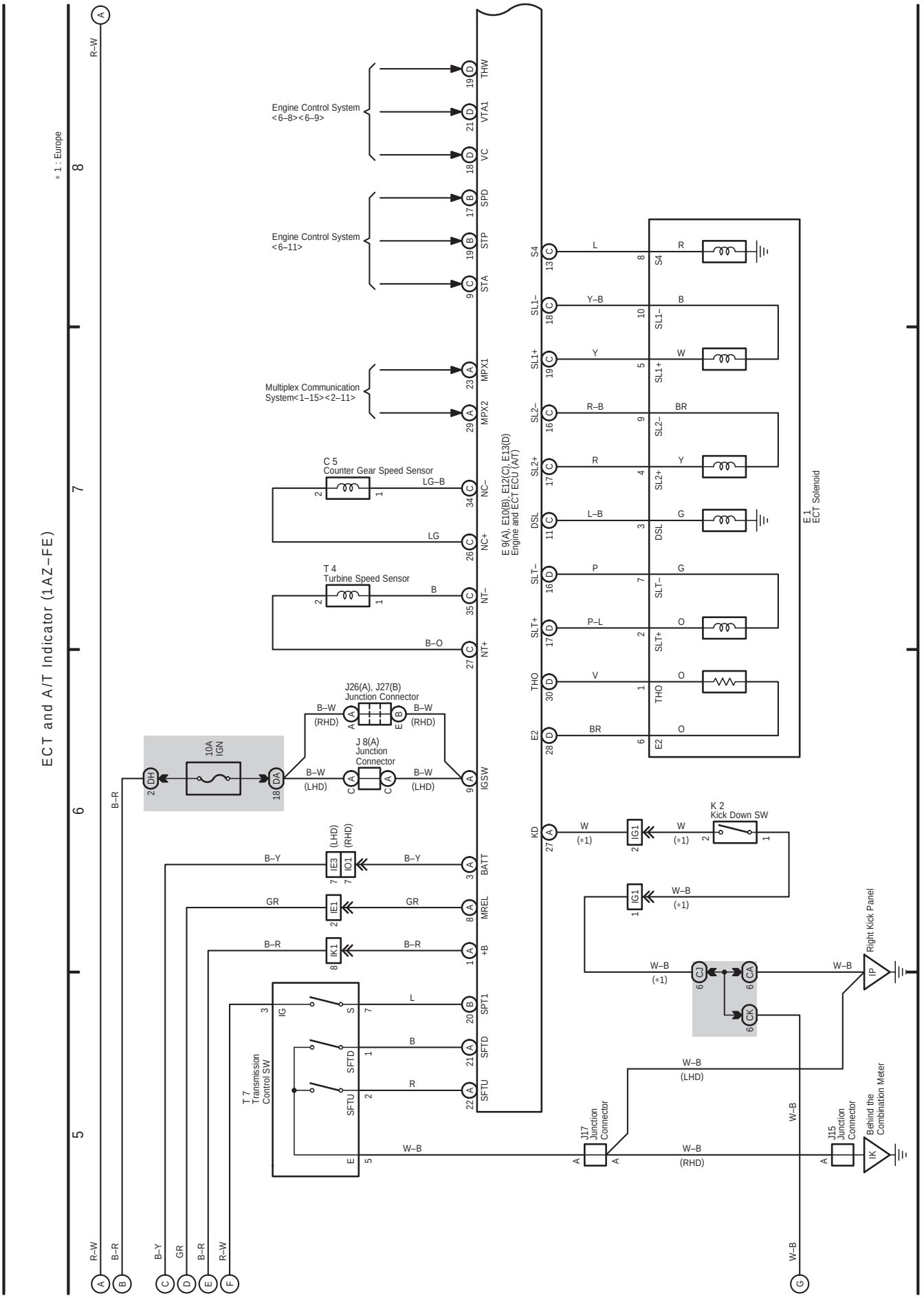
http://vnx.su


(Cont. next page)
ECT and A/T Indicator (1AZ–FE)
Power Source
11 AVENSIS
Multiplex Communication System <1–15><2–11>
BEAN I/F
CPU
A/T SHIFT CLOCK
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
(LHD)
(RHD)
W–R
(LHD)
W–R
(RHD)
W–B
10A EFI NO. 1
EFI Relay
Engine Compartment Left
EC
10A GAUGE1
7. 5A GAUGE2
IG1 Relay
Left Kick Panel
IJ
25A AM1
ACC
IG1
IG2
ST2
AM1
AM2
I13 Ignition SW
20A EFI
30A AM2
7. 5A DOME
30A DCC
120A ALT
FL MAIN 3. 0W
Battery

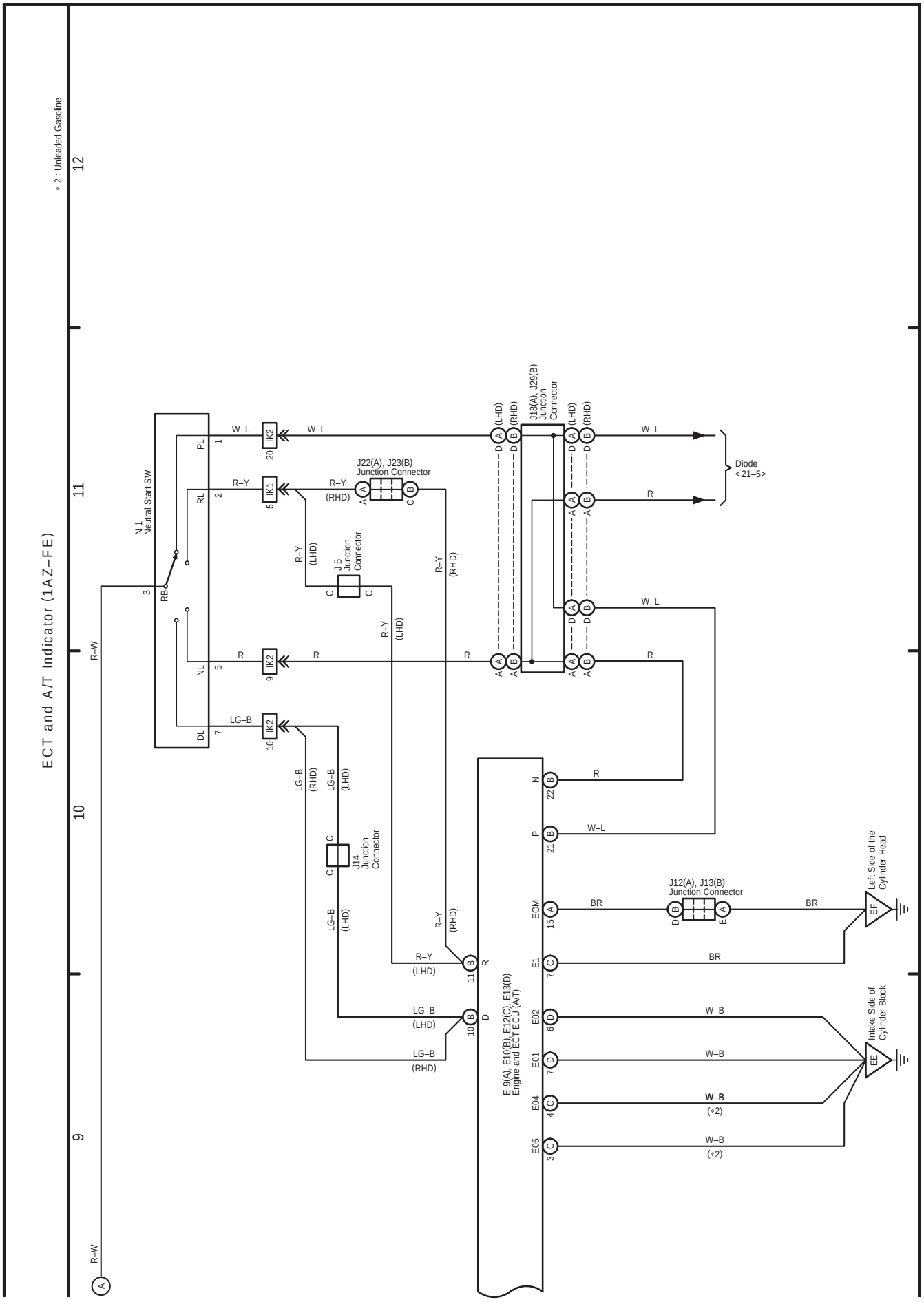
http://vnx.su

11 AVENSIS (Cont' d)

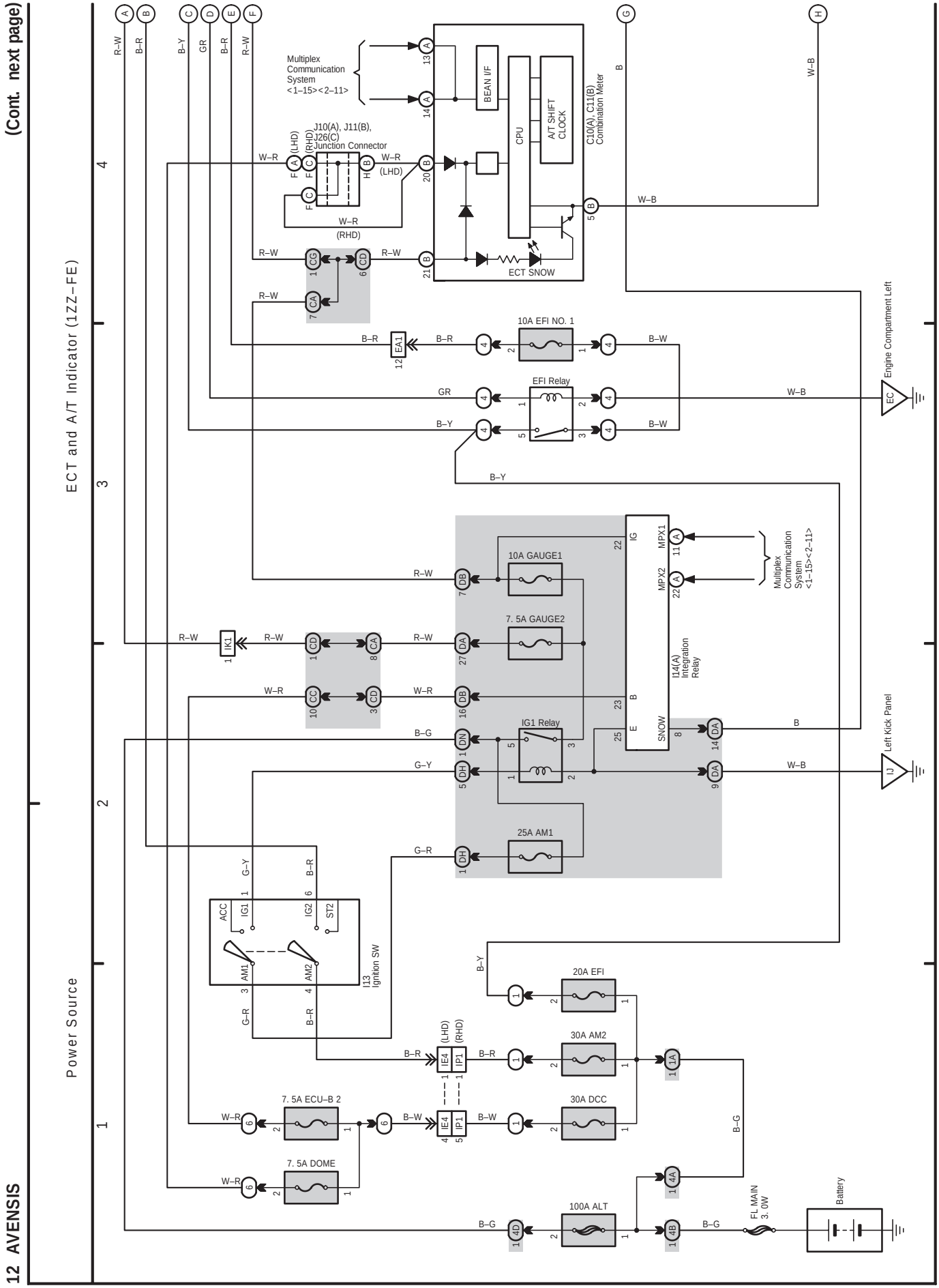
(Cont. next page)



http://vnx.su

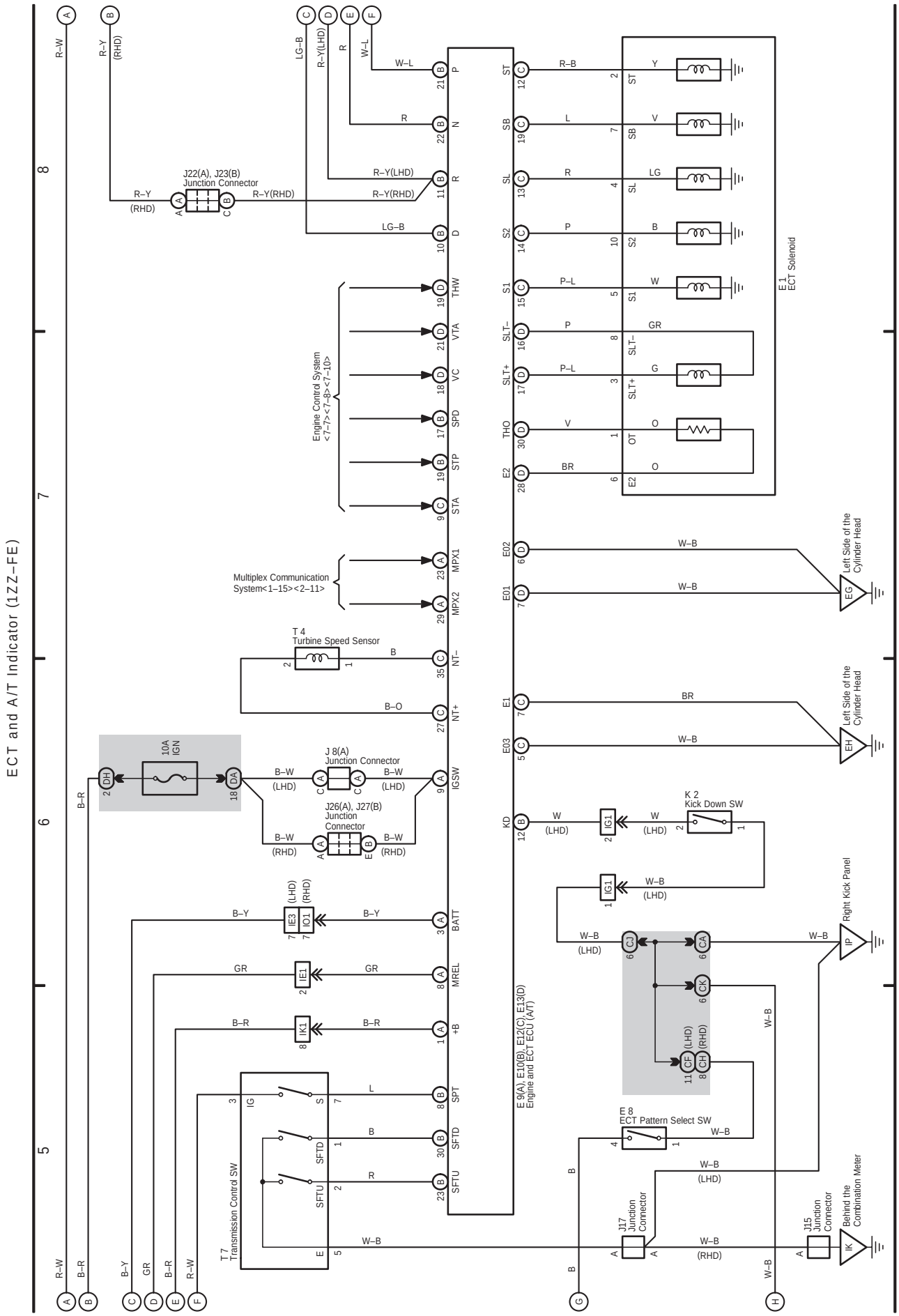

11 AVENSIS (Cont' d)
ECT and A/T Indicator (1AZ–FE)
* 2 : Unleaded Gasoline
12
11
10
9
N 1
Neutral Start SW
J22(A), J23(B)
Junction Connector
J5
Junction
Connector
J14
Junction
Connector
J18(A), J29(B)
Junction
Connector
Diode
<21–5>
J12(A), J13(B)
Junction Connector
Left Side of the
Cylinder Head
Intake Side of
Cylinder Block
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
W–L
R–Y
R
LG–B
R–W
BR
W–B
(LHD)
(RHD)
(*2)

http://vnx.su

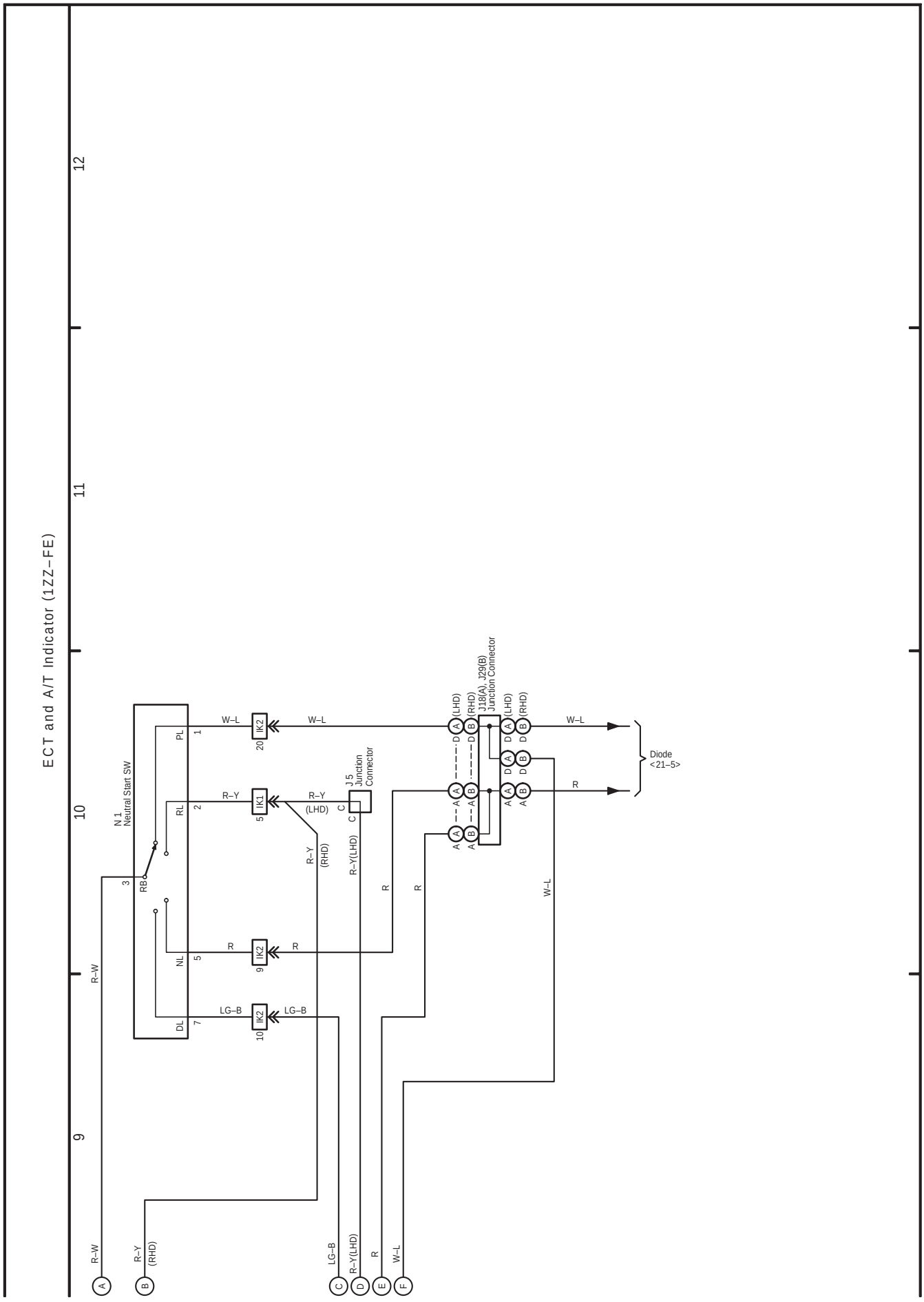

(Cont. next page)
ECT and A/T Indicator (1ZZ–FE)
Power Source
12 AVENSIS
Multiplex Communication System <1–15><2–11>
BEAN I/F
CPU
A/T SHIFT CLOCK
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
ECT SNOW
10A EFI NO. 1
EFI Relay
Engine Compartment Left
EC
10A GAUGE1
7. 5A GAUGE2
IG1 Relay
25A AM1
IK1
IG
MPX1
MPX2
SNOW
IJ14(A) Integration Relay
Left Kick Panel
IJ
ACC
IG1
IG2
ST2
AM1
AM2
IJ3 Ignition SW
20A EFI
30A AM2
30A DCC
7. 5A ECU–B 2
7. 5A DOME
100A ALT
FL MAIN 3. 0W
Battery

http://vnx.su

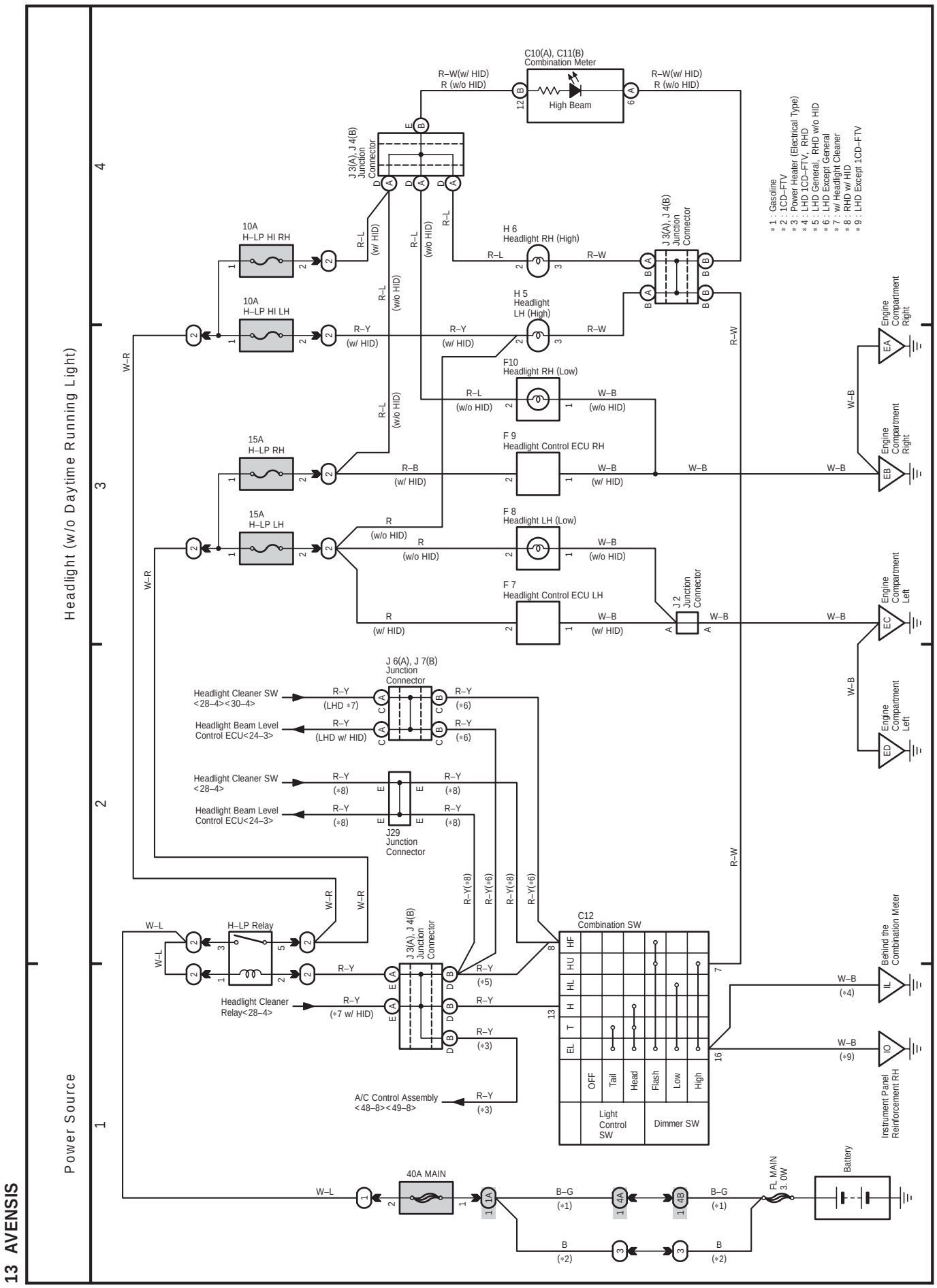
(Cont. next page)



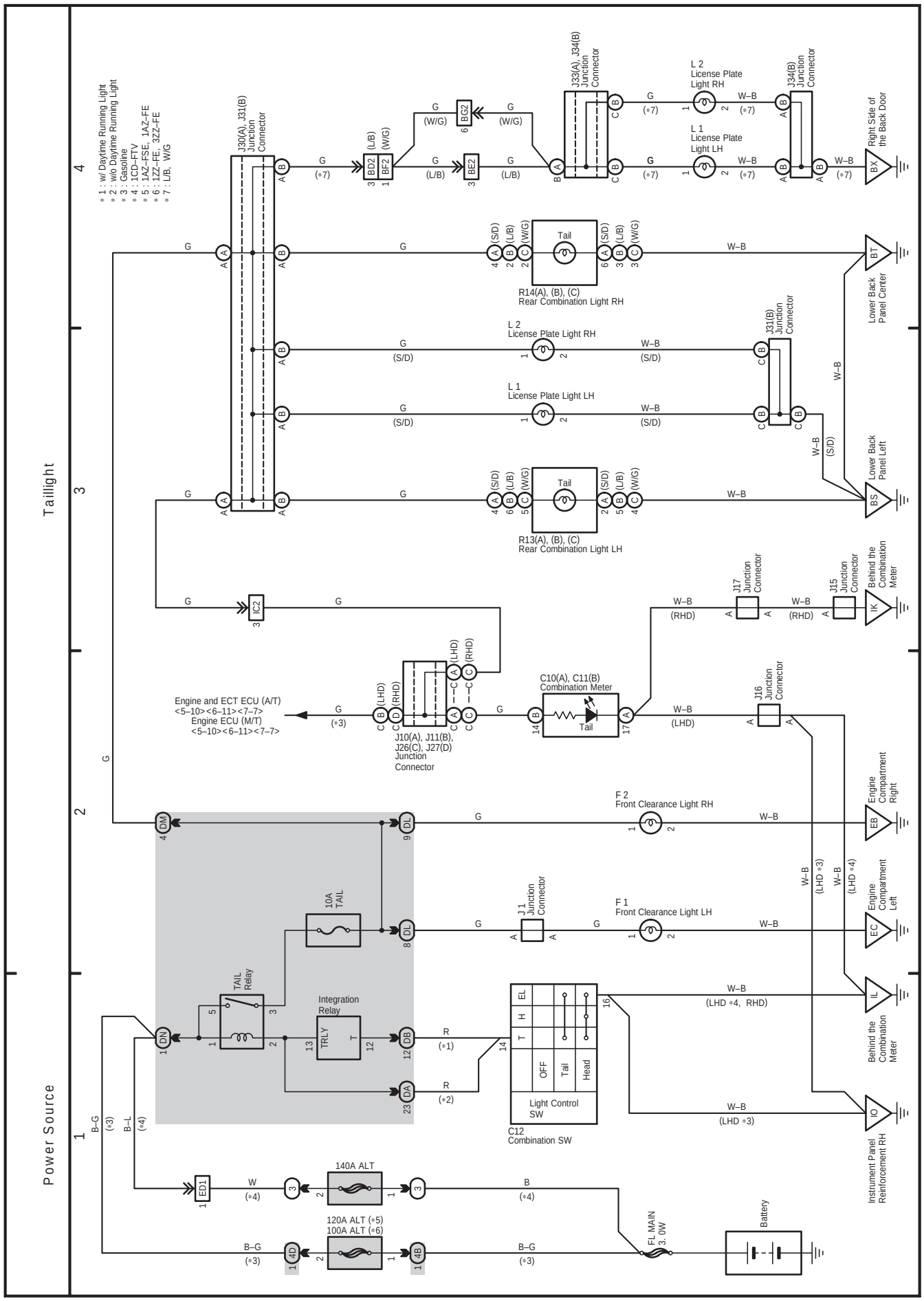
http://vnx.su


12 AVENSIS (Cont' d)
ECT and A/T Indicator (1ZZ–FE)
12
11
10
9
N 1
Neutral Start SW
RB
3
PL
1
RL
2
NL
5
DL
7
W–L
R–Y
R
LG–B
IK2
20
IK1
5
9
10
J 5
Junction
Connector
C
R–Y
(LHD)
R–Y
(RHD)
R–Y(LHD)
J18(A), J29(B)
Junction Connector
(LHD)
(RHD)
Diode
<21–5>
R–W
R–Y
(RHD)
LG–B
R–Y(LHD)
R
W–L

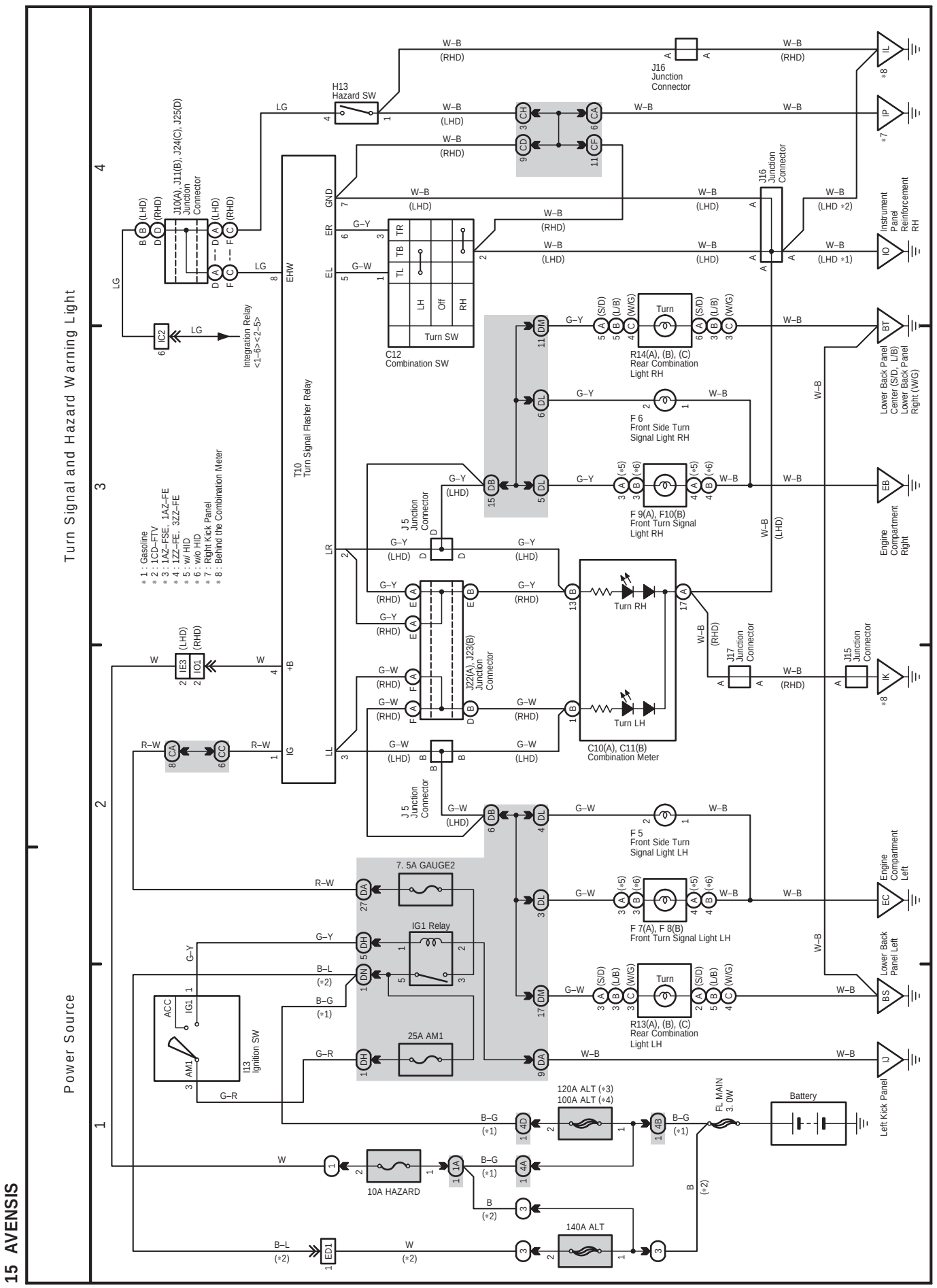
http://vnx.su


13 AVENSIS
Power Source
Headlight (w/o Daytime Running Light)
1
2
3
4
C10(A), C11(B)
Combination Meter
High Beam
R–W(w/ HID)
R (w/o HID)
J 3(A), J 4(B)
Junction
Connector
10A
H–LP HI RH
10A
H–LP HI LH
15A
H–LP RH
15A
H–LP LH
H 6
Headlight RH (High)
H 5
Headlight
LH (High)
F10
Headlight RH (Low)
F 9
Headlight Control ECU RH
F 8
Headlight LH (Low)
F 7
Headlight Control ECU LH
J 2
Junction
Connector
Engine
Compartment
Right
Engine
Compartment
Left
J 6(A), J 7(B)
Junction
Connector
Headlight Cleaner SW
<28–4><30–4>
Headlight Beam Level
Control ECU<24–3>
Headlight Cleaner SW
<28–4>
J29
Junction
Connector
H–LP Relay
Headlight Cleaner
Relay<28–4>
C12
Combination SW
Light
Control
SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
Behind the
Combination Meter
Instrument Panel
Reinforcement RH
A/C Control Assembly
<48–8><49–8>
40A MAIN
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : LHD 1CD–FTV, RHD
* 5 : LHD General, RHD w/o HID
* 6 : LHD Except General
* 7 : w/ Headlight Cleaner
* 8 : RHD w/ HID
* 9 : LHD Except 1CD–FTV

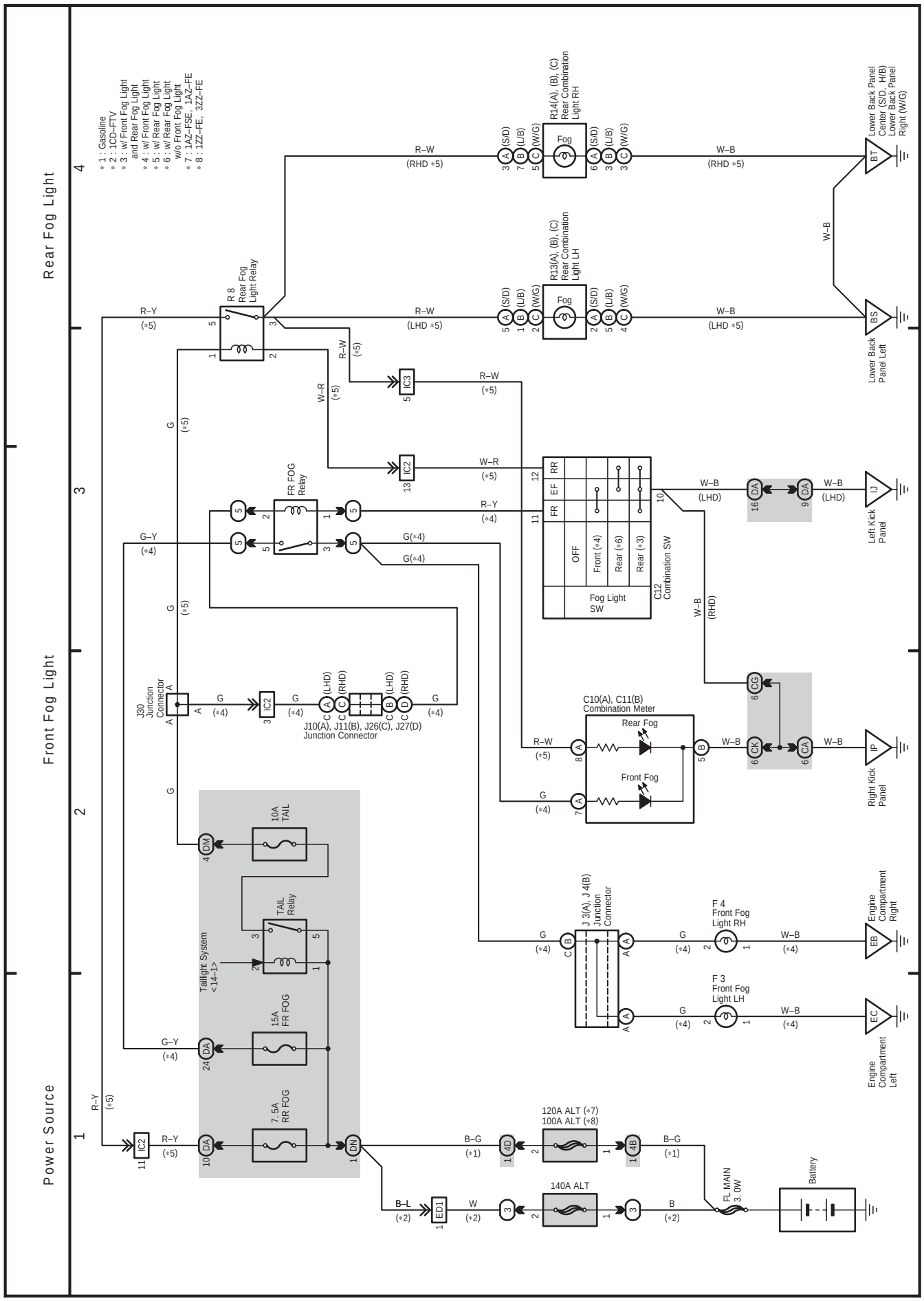
http://vnx.su


Taillight
Power Source
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
* 7 : L/B, W/G
J30(A), J31(B) Junction Connector
J33(A), J34(B) Junction Connector
J34(B) Junction Connector
L 2 License Plate Light RH
L 1 License Plate Light LH
Right Side of the Back Door
Tail
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Lower Back Panel Center
Lower Back Panel Left
J31(B) Junction Connector
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
Engine and ECT ECU (A/T) <5–10><6–11><7–7>
Engine ECU (M/T) <5–10><6–11><7–7>
J10(A), J11(B), J26(C), J27(D) Junction Connector
C10(A), C11(B) Combination Meter
J16 Junction Connector
F 2 Front Clearance Light RH
F 1 Front Clearance Light LH
Engine Compartment Right
Engine Compartment Left
J1 Junction Connector
10A TAIL
TAIL Relay
Integration Relay
Light Control SW
C12 Combination SW
Instrument Panel Reinforcement RH
140A ALT
120A ALT (*5)
100A ALT (*6)
FL MAIN 3.0W
Battery

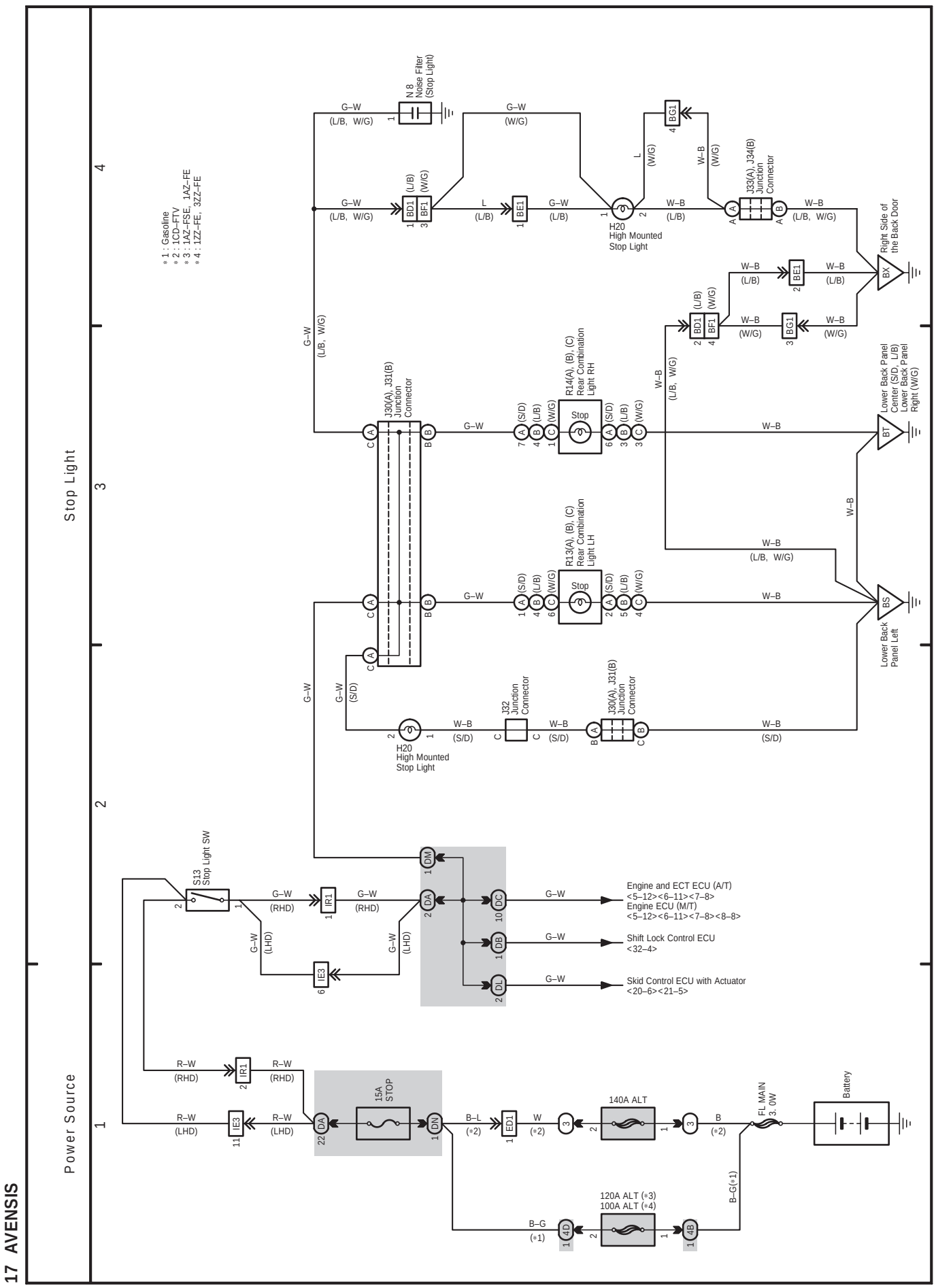
http://vnx.su


15 AVENSIS
Turn Signal and Hazard Warning Light
Power Source
＊1 : Gasoline
＊2 : 1CD–FTV
＊3 : 1AZ–FSE, 1AZ–FE
＊4 : 1ZZ–FE, 3ZZ–FE
＊5 : w/ HID
＊6 : w/o HID
＊7 : Right Kick Panel
＊8 : Behind the Combination Meter
H13 Hazard SW
J16 Junction Connector
J10(A), J11(B), J24(C), J25(D) Junction Connector
C12 Combination SW
Turn SW
Integration Relay <1–6><2–5>
T10 Turn Signal Flasher Relay
J5 Junction Connector
J22(A), J23(B) Junction Connector
C10(A), C11(B) Combination Meter
Turn RH
Turn LH
J17 Junction Connector
J15 Junction Connector
R14(A), (B), (C) Rear Combination Light RH
F 6 Front Side Turn Signal Light RH
F 9(A), F10(B) Front Turn Signal Light RH
F 5 Front Side Turn Signal Light LH
F 7(A), F 8(B) Front Turn Signal Light LH
R13(A), (B), (C) Rear Combination Light LH
Instrument Panel Reinforcement RH
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
Engine Compartment Right
Engine Compartment Left
Lower Back Panel Left
Left Kick Panel
7. 5A GAUGE2
IG1 Relay
25A AM1
I13 Ignition SW
10A HAZARD
120A ALT (＊3) 100A ALT (＊4)
140A ALT
FL MAIN 3. 0W
Battery

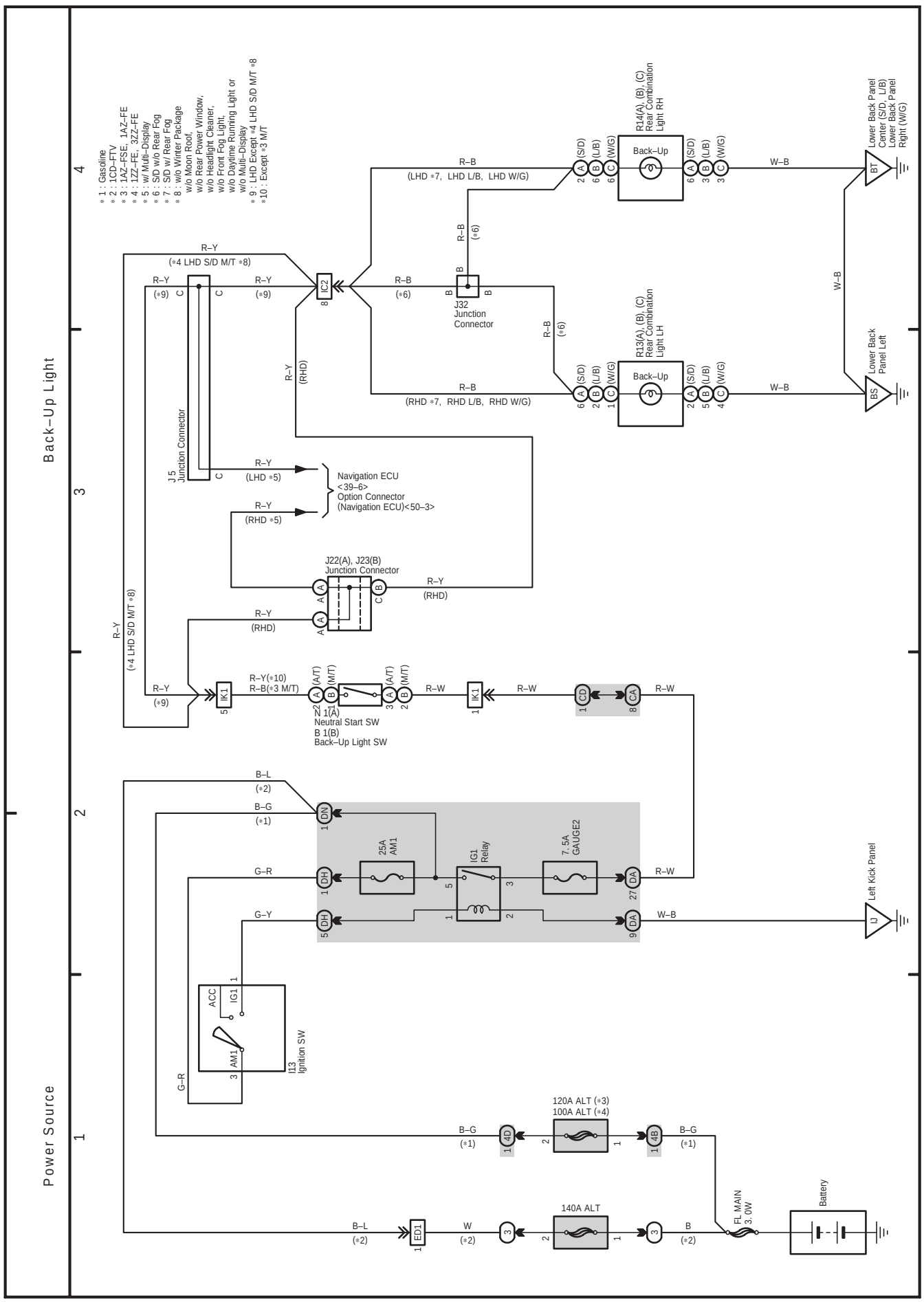
http://vnx.su


Rear Fog Light
Front Fog Light
Power Source
1
2
3
4
16 AVENSIS
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Front Fog Light and Rear Fog Light
* 4 : w/ Front Fog Light
* 5 : w/ Rear Fog Light
* 6 : w/ Rear Fog Light w/o Front Fog Light
* 7 : 1AZ–FSE, 1AZ–FE
* 8 : 1ZZ–FE, 3ZZ–FE
R 8 Rear Fog Light Relay
FR FOG Relay
TAIL Relay
Taillight System <14–1>
10A TAIL
15A FR FOG
7. 5A RR FOG
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Fog
Lower Back Panel Center (S/D , H/B) Lower Back Panel Right (W/G)
Lower Back Panel Left
C12 Combination SW
Fog Light SW
OFF
Front (*4)
Rear (*6)
Rear (*3)
C10(A), C11(B) Combination Meter
Rear Fog
Front Fog
Left Kick Panel
Right Kick Panel
J30 Junction Connector
J10(A), J11(B), J26(C), J27(D) Junction Connector
J 3(A), J 4(B) Junction Connector
F 4 Front Fog Light RH
F 3 Front Fog Light LH
Engine Compartment Right
Engine Compartment Left
120A ALT (*7)
100A ALT (*8)
140A ALT
FL MAIN 3. 0W
Battery

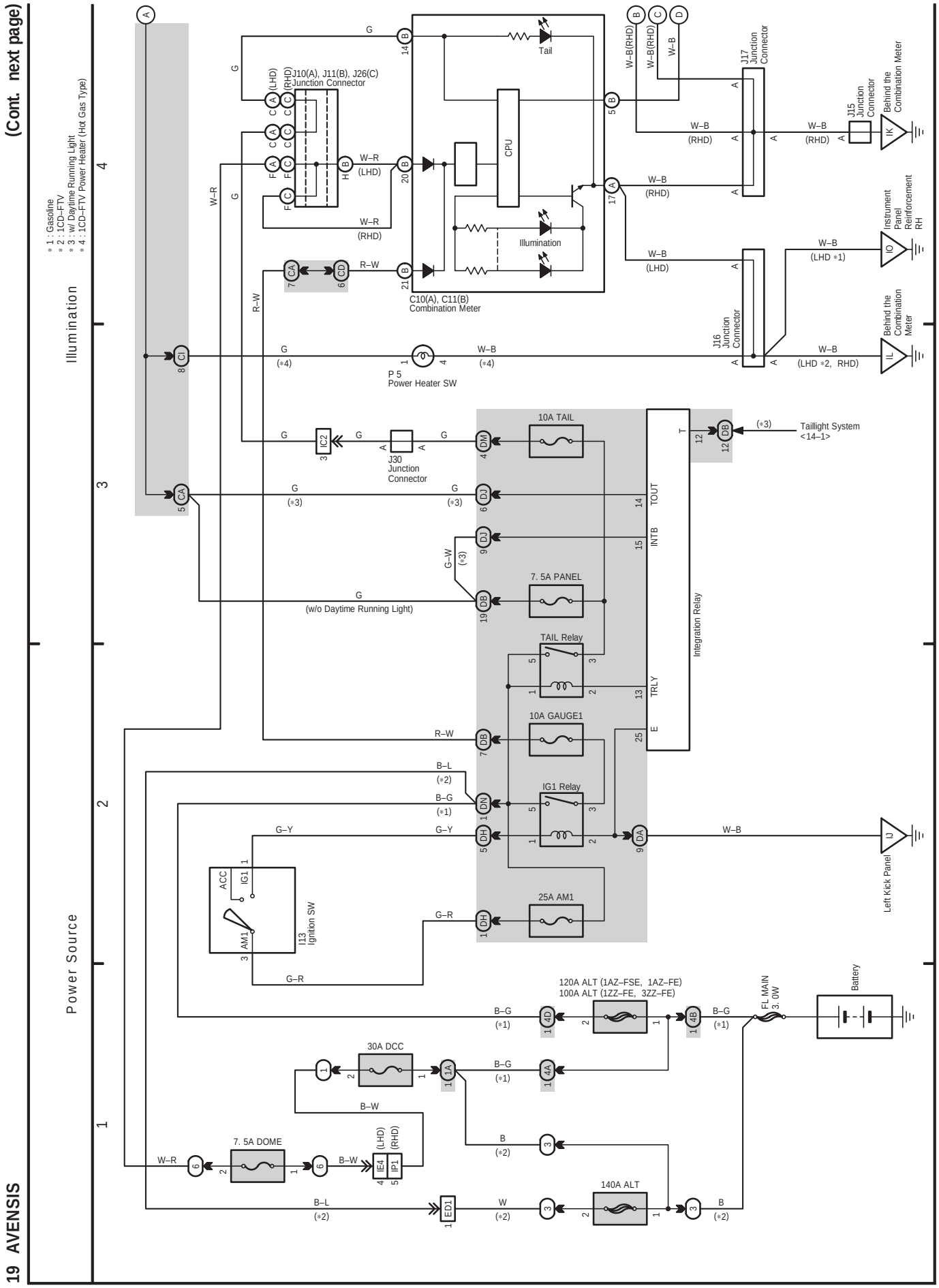
http://vnx.su


17 AVENSIS
Power Source
Stop Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
N 8
Noise Filter
(Stop Light)
G–W
(L/B, W/G)
G–W
(W/G)
BD1
BF1
BE1
BG1
L
(L/B)
(W/G)
W–B
(L/B)
(W/G)
H20
High Mounted
Stop Light
J33(A), J34(B)
Junction
Connector
Right Side of
the Back Door
BX
J30(A), J31(B)
Junction
Connector
R14(A), (B), (C)
Rear Combination
Light RH
R13(A), (B), (C)
Rear Combination
Light LH
Stop
(S/D)
(L/B)
(W/G)
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
BT
Lower Back
Panel Left
BS
J32
Junction
Connector
S13
Stop Light SW
IR1
IE3
DM
DA
DC
DB
DL
Engine and ECT ECU (A/T)
<5–12><6–11><7–8>
Engine ECU (M/T)
<5–12><6–11><7–8><8–8>
Shift Lock Control ECU
<32–4>
Skid Control ECU with Actuator
<20–6><21–5>
R–W
(RHD)
(LHD)
15A
STOP
DN
B–L
(*2)
ED1
W
(*2)
140A ALT
B
(*2)
FL MAIN
3. 0W
Battery
120A ALT (*3)
100A ALT (*4)
B–G
(*1)
B–G(*1)
14D
14B

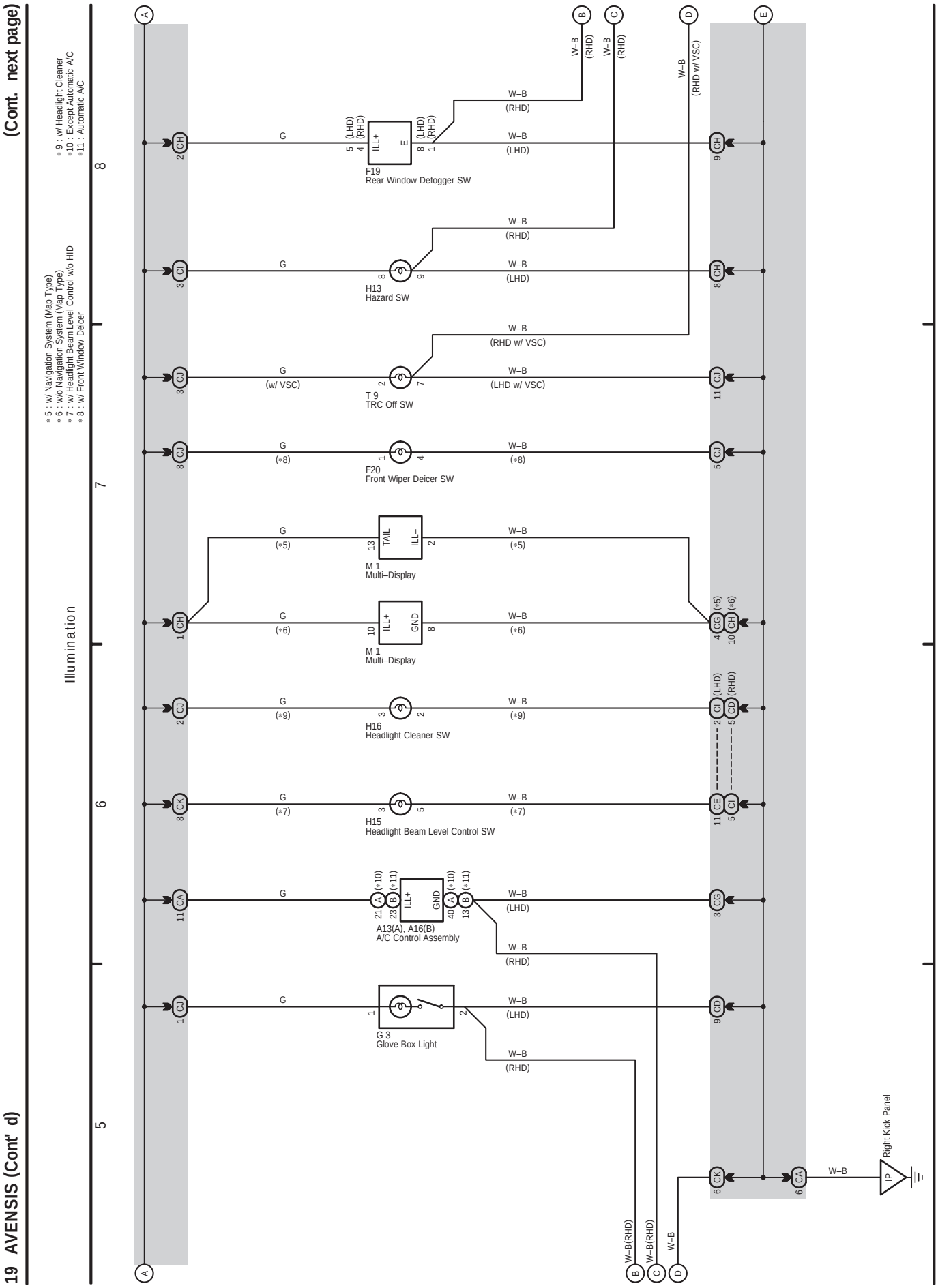
http://vnx.su


Back–Up Light
Power Source
18 AVENSIS
＊1 : Gasoline
＊2 : 1CD–FTV
＊3 : 1AZ–FSE, 1AZ–FE
＊4 : 1ZZ–FE, 3ZZ–FE
＊5 : w/ Multi–Display
＊6 : S/D w/o Rear Fog
＊7 : S/D w/ Rear Fog
＊8 : w/o Winter Package
w/o Moon Roof,
w/o Rear Power Window,
w/o Headlight Cleaner,
w/o Front Fog Light,
w/o Daytime Running Light or
w/o Multi–Display
＊9 : LHD Except ＊4 LHD S/D M/T ＊8
＊10 : Except ＊3 M/T
R14(A), (B), (C)
Rear Combination
Light RH
Back–Up
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
R–B
(LHD ＊7, LHD L/B, LHD W/G)
W–B
R–B
(＊6)
J32
Junction
Connector
R–Y
(＊4 LHD S/D M/T ＊8)
R–Y
(＊9)
IC2
R–Y
(RHD)
R13(A), (B), (C)
Rear Combination
Light LH
Lower Back
Panel Left
R–B
(RHD ＊7, RHD L/B, RHD W/G)
J5
Junction Connector
R–Y
(LHD ＊5)
Navigation ECU
<39–6>
Option Connector
(Navigation ECU)<50–3>
R–Y
(RHD ＊5)
J22(A), J23(B)
Junction Connector
IK1
R–Y(＊10)
R–B(＊3 M/T)
N 1(A)
Neutral Start SW
B 1(B)
Back–Up Light SW
R–W
CD
CA
B–L
(＊2)
B–G
(＊1)
G–R
G–Y
DN
DH
25A
AM1
IG1
Relay
7. 5A
GAUGE2
Left Kick Panel
ACC
IG1
AM1
I13
Ignition SW
120A ALT (＊3)
100A ALT (＊4)
4D
4B
140A ALT
ED1
FL MAIN
3. 0W
Battery

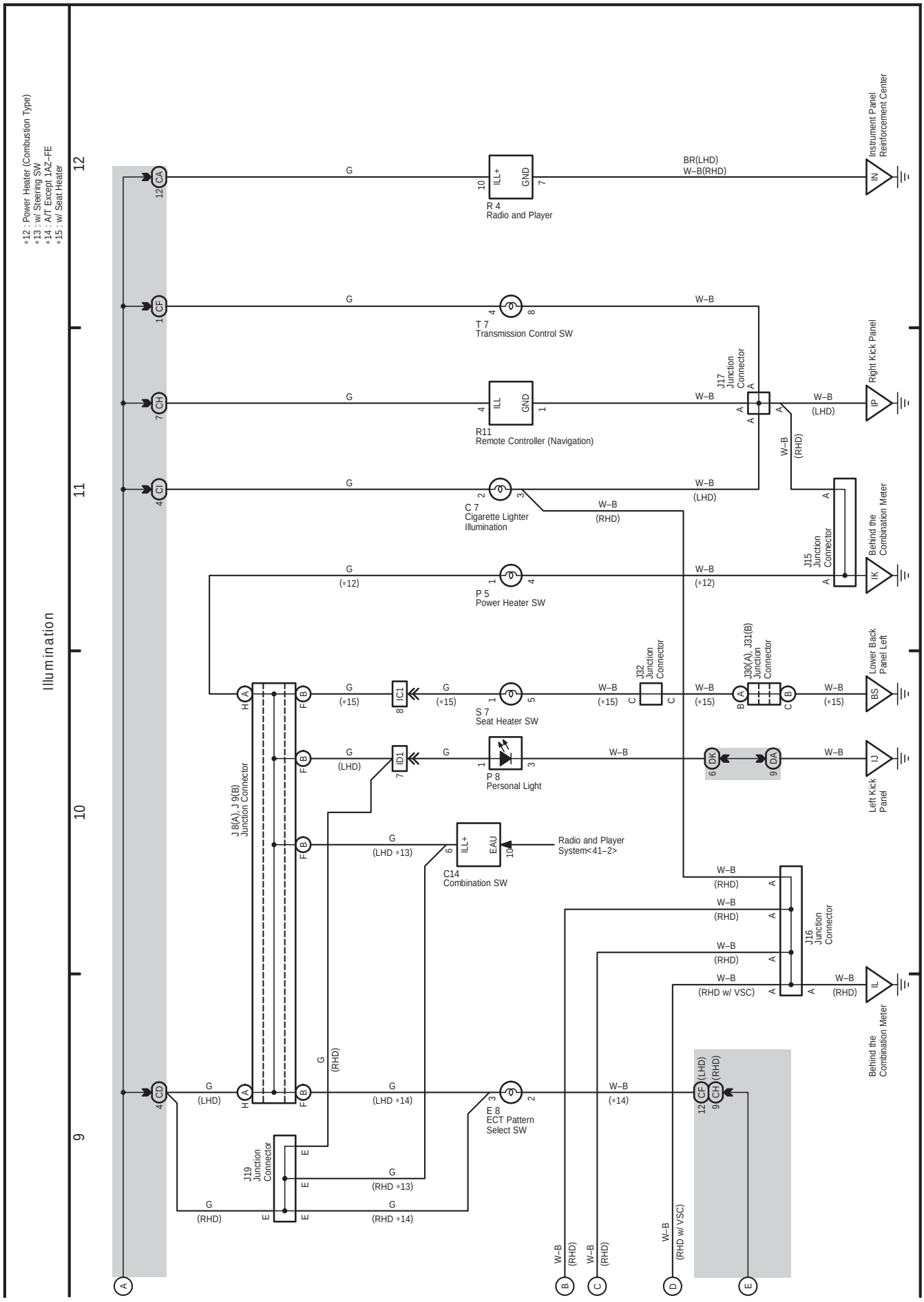
http://vnx.su


(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : 1CD–FTV Power Heater (Hot Gas Type)
Illumination
Power Source
J10(A), J11(B), J26(C) Junction Connector
C10(A), C11(B) Combination Meter
CPU
Tail
Illumination
J17 Junction Connector
J15 Junction Connector
J16 Junction Connector
Behind the Combination Meter
Instrument Panel Reinforcement RH
Left Kick Panel
P 5 Power Heater SW
J30 Junction Connector
10A TAIL
7. 5A PANEL
TAIL Relay
10A GAUGE1
IG1 Relay
25A AM1
Integration Relay
I13 Ignition SW
120A ALT (1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
30A DCC
7. 5A DOME
FL MAIN 3. 0W
Battery
Taillight System <14–1>
(w/o Daytime Running Light)
TOUT
INTB
TRLY
(LHD)
(RHD)
(LHD *1)
(LHD *2, RHD)
W–B(RHD)
W–B
W–R
R–W
G–W
G–Y
B–L
B–G
B–W
G–R
(*1)
(*2)
(*3)
(*4)
19 AVENSIS

http://vnx.su

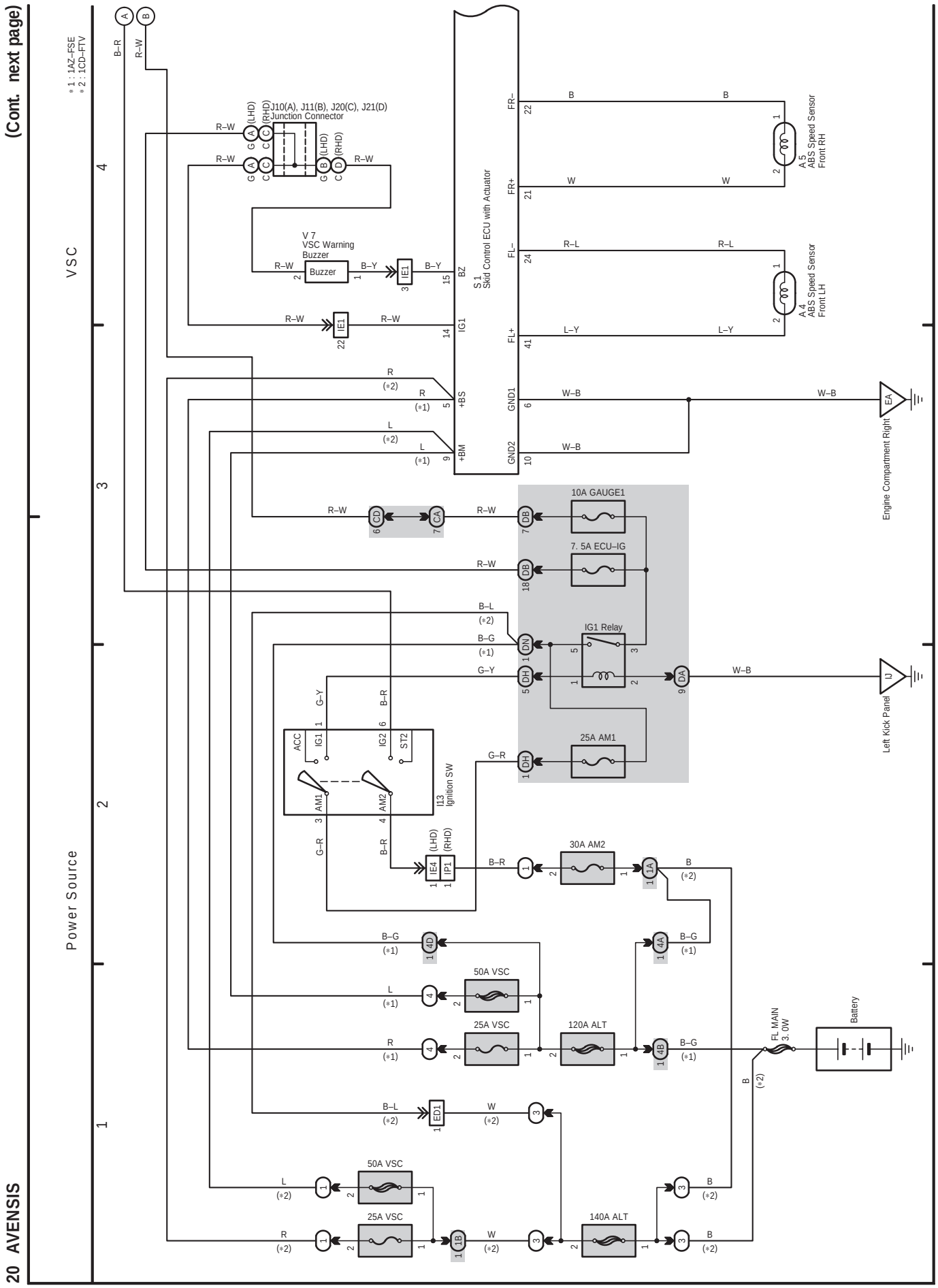

19 AVENSIS (Cont' d)
(Cont. next page)
Illumination
*5 : w/ Navigation System (Map Type)
*6 : w/o Navigation System (Map Type)
*7 : w/ Headlight Beam Level Control w/o HID
*8 : w/ Front Window Deicer
*9 : w/ Headlight Cleaner
*10 : Except Automatic A/C
*11 : Automatic A/C
F19
Rear Window Defogger SW
H13
Hazard SW
T 9
TRC Off SW
F20
Front Wiper Deicer SW
M 1
Multi–Display
M 1
Multi–Display
H16
Headlight Cleaner SW
H15
Headlight Beam Level Control SW
A13(A), A16(B)
A/C Control Assembly
G 3
Glove Box Light
IP
Right Kick Panel
W–B
W–B(RHD)
G
(w/ VSC)
(*5)
(*6)
(*7)
(*8)
(*9)
(*10)
(*11)
(LHD)
(RHD)
(RHD w/ VSC)
(LHD w/ VSC)

http://vnx.su



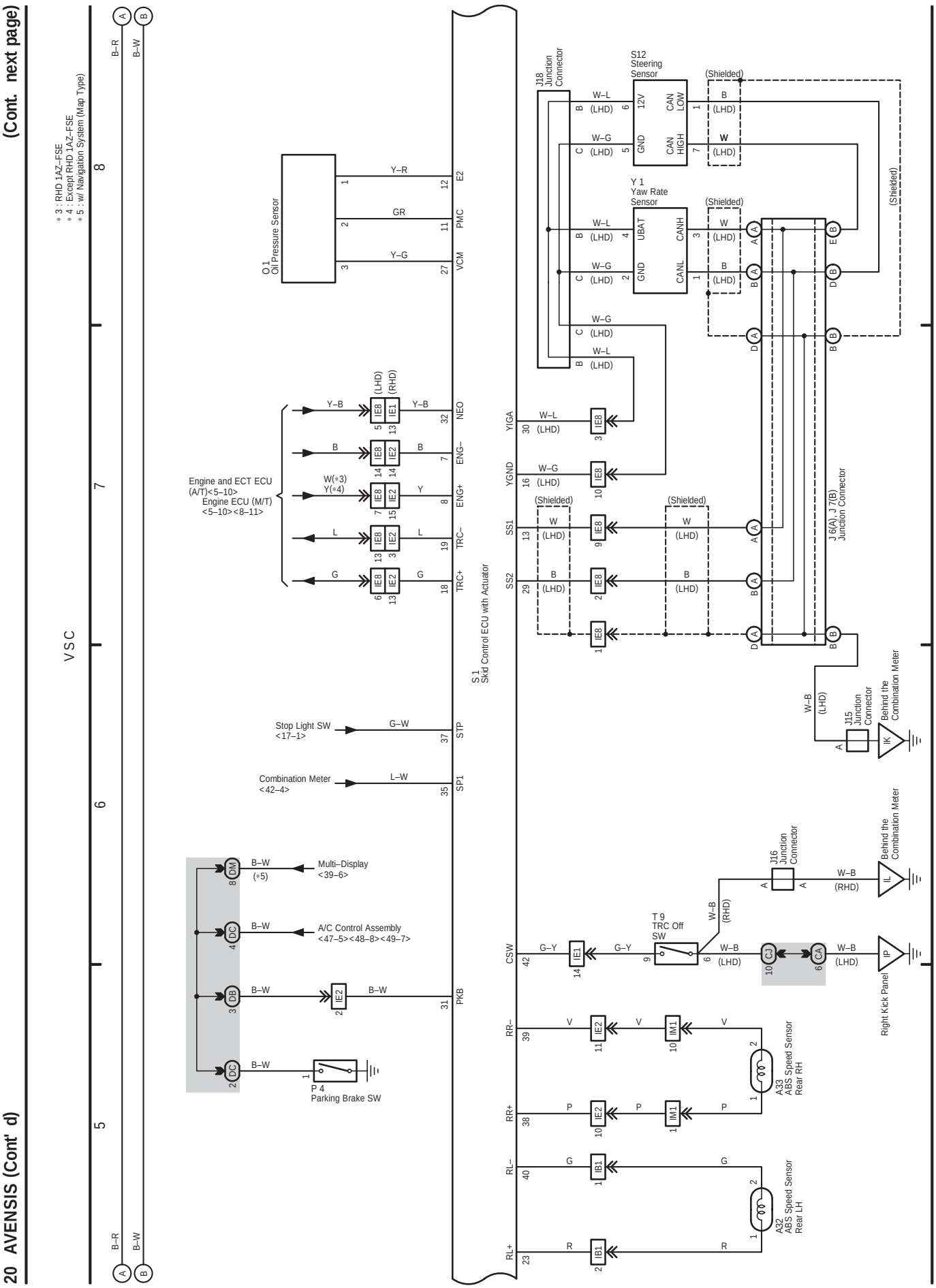
19 AVENSIS (Cont' d)

http://vnx.su

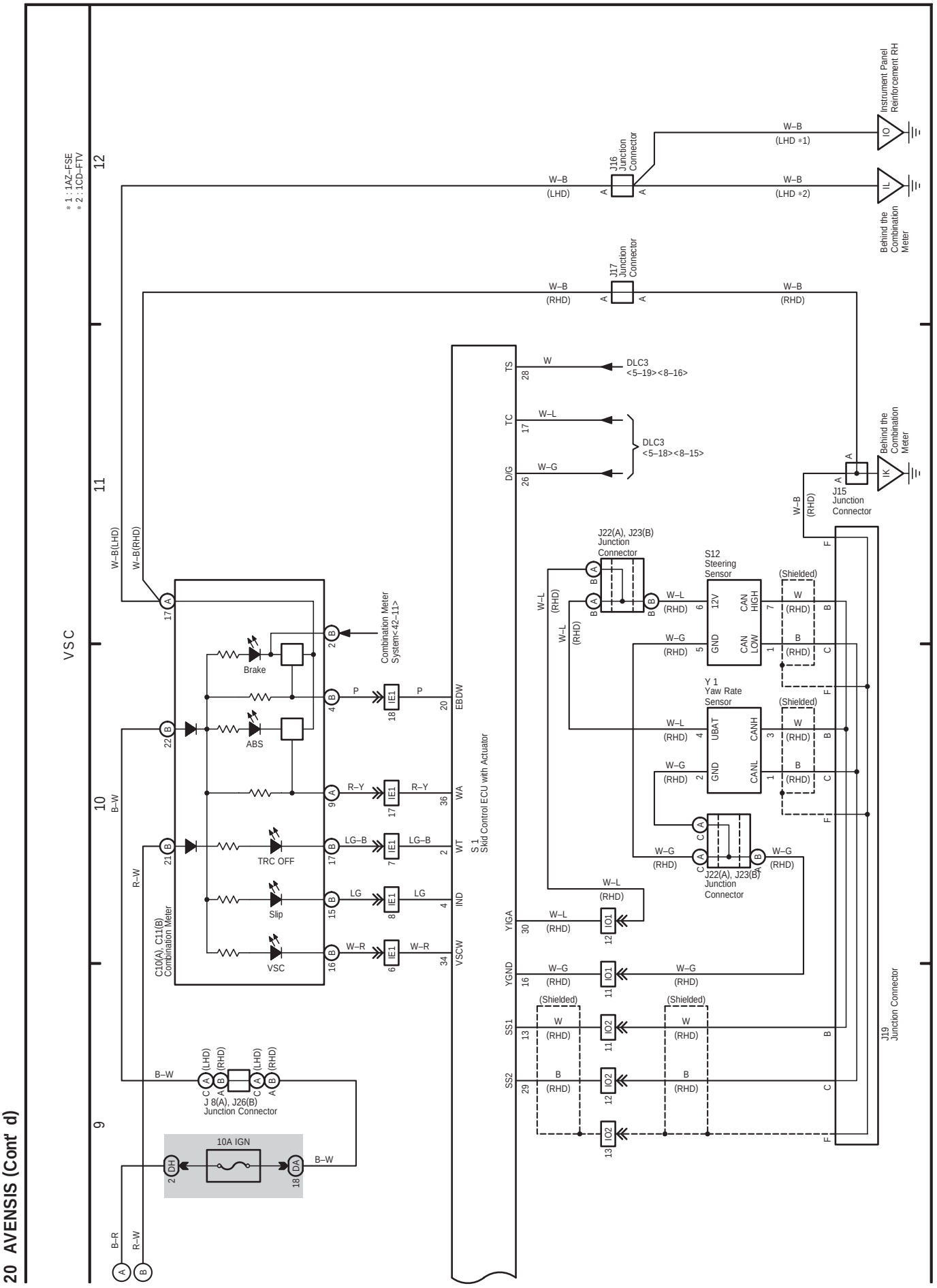

(Cont. next page)
*1 : 1AZ–FSE
*2 : 1CD–FTV
VSC
Power Source
J10(A), J11(B), J20(C), J21(D)
Junction Connector
V 7
VSC Warning
Buzzer
Buzzer
S 1
Skid Control ECU with Actuator
A 5
ABS Speed Sensor
Front RH
A 4
ABS Speed Sensor
Front LH
EA
Engine Compartment Right
IJ
Left Kick Panel
10A GAUGE1
7. 5A ECU–IG
IG1 Relay
25A AM1
I13
Ignition SW
30A AM2
50A VSC
25A VSC
120A ALT
50A VSC
25A VSC
140A ALT
FL MAIN
3. 0W
Battery
20 AVENSIS

http://vnx.su

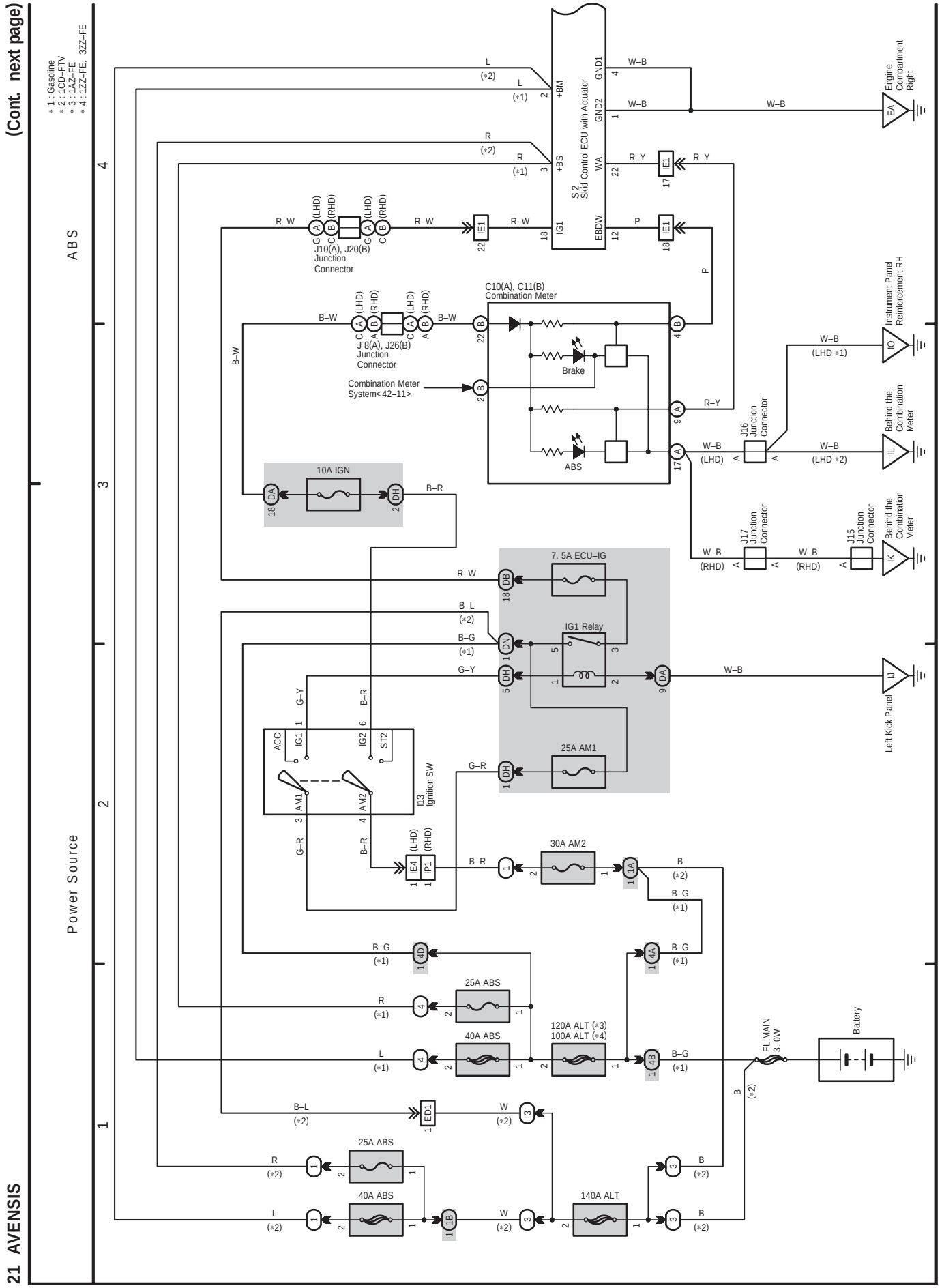
(Cont. next page)



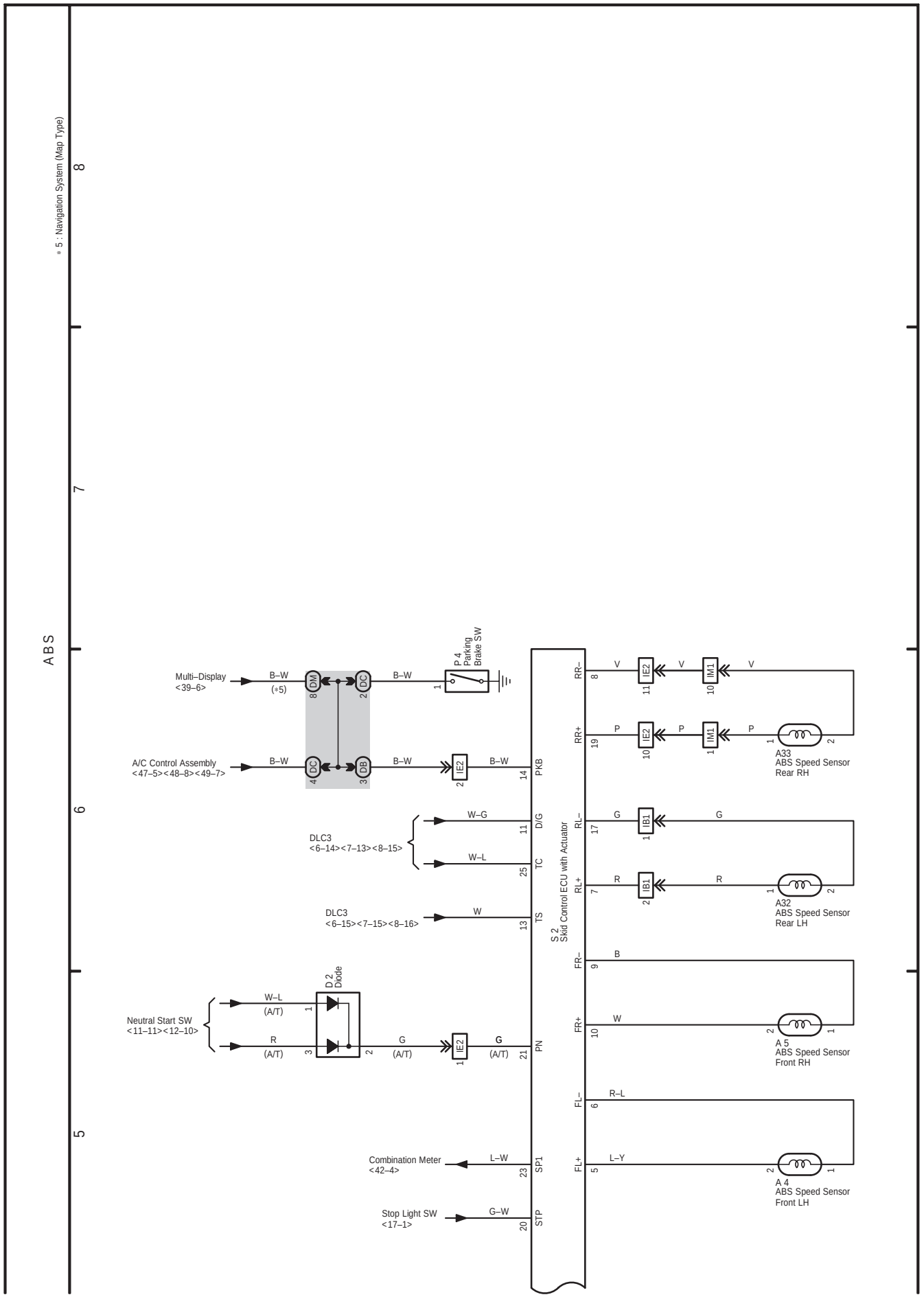
http://vnx.su


20 AVENSIS (Cont' d)
VSC
* 1 : 1AZ–FSE
* 2 : 1CD–FTV
W–B(LHD)
W–B(RHD)
B–W
R–W
B–R
R–W
W–B (LHD)
W–B (LHD *1)
W–B (LHD *2)
J16 Junction Connector
Instrument Panel Reinforcement RH
IO
IL
Behind the Combination Meter
W–B (RHD)
J17 Junction Connector
J15 Junction Connector
IK
Behind the Combination Meter
DLC3 <5–19><8–16>
DLC3 <5–18><8–15>
TS
TC
D/G
W
W–L
W–G
J22(A), J23(B) Junction Connector
S12 Steering Sensor
12V
GND
CAN HIGH
CAN LOW
(Shielded)
Y 1 Yaw Rate Sensor
UBAT
GND
CANH
CANL
Combination Meter System<42–11>
Brake
ABS
TRC OFF
Slip
VSC
C10(A), C11(B) Combination Meter
P
R–Y
LG–B
LG
W–R
EBDW
WA
WT
IND
VSCW
S 1 Skid Control ECU with Actuator
YIGA
YGND
SS1
SS2
J 8(A), J26(B) Junction Connector
(LHD)
(RHD)
10A IGN
J19 Junction Connector

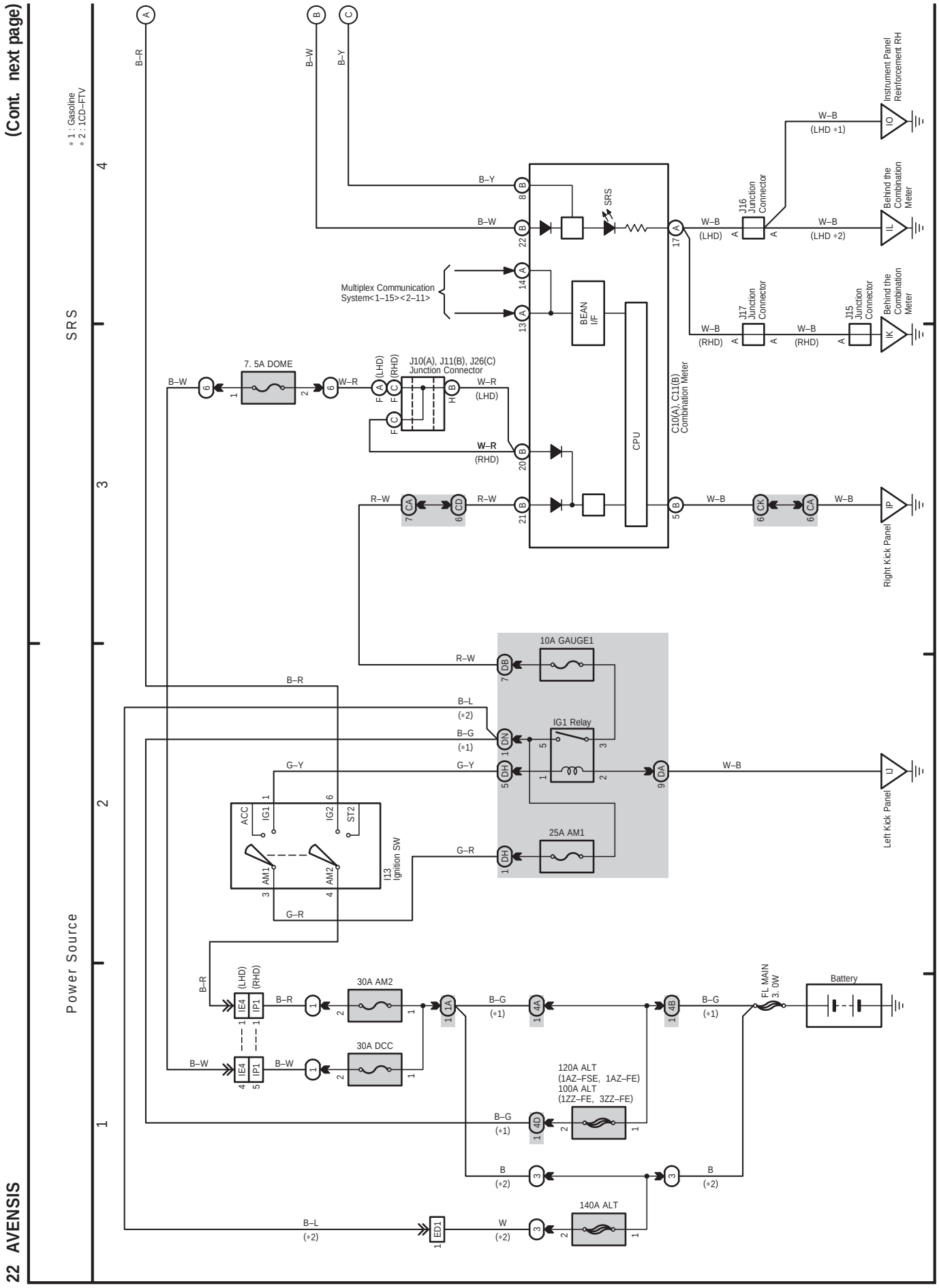
http://vnx.su


(Cont. next page)
21 AVENSIS
Power Source
ABS
1
2
3
4
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
S2
Skid Control ECU with Actuator
+BM
+BS
IG1
GND1
GND2
WA
EBDW
Engine Compartment Right
EA
J10(A), J20(B) Junction Connector
J 8(A), J26(B) Junction Connector
C10(A), C11(B) Combination Meter
Brake
ABS
Combination Meter System<42–11>
Instrument Panel Reinforcement RH
IO
Behind the Combination Meter
IL
IK
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
10A IGN
7. 5A ECU–IG
IG1 Relay
25A AM1
30A AM2
I13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
Left Kick Panel
U
25A ABS
40A ABS
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

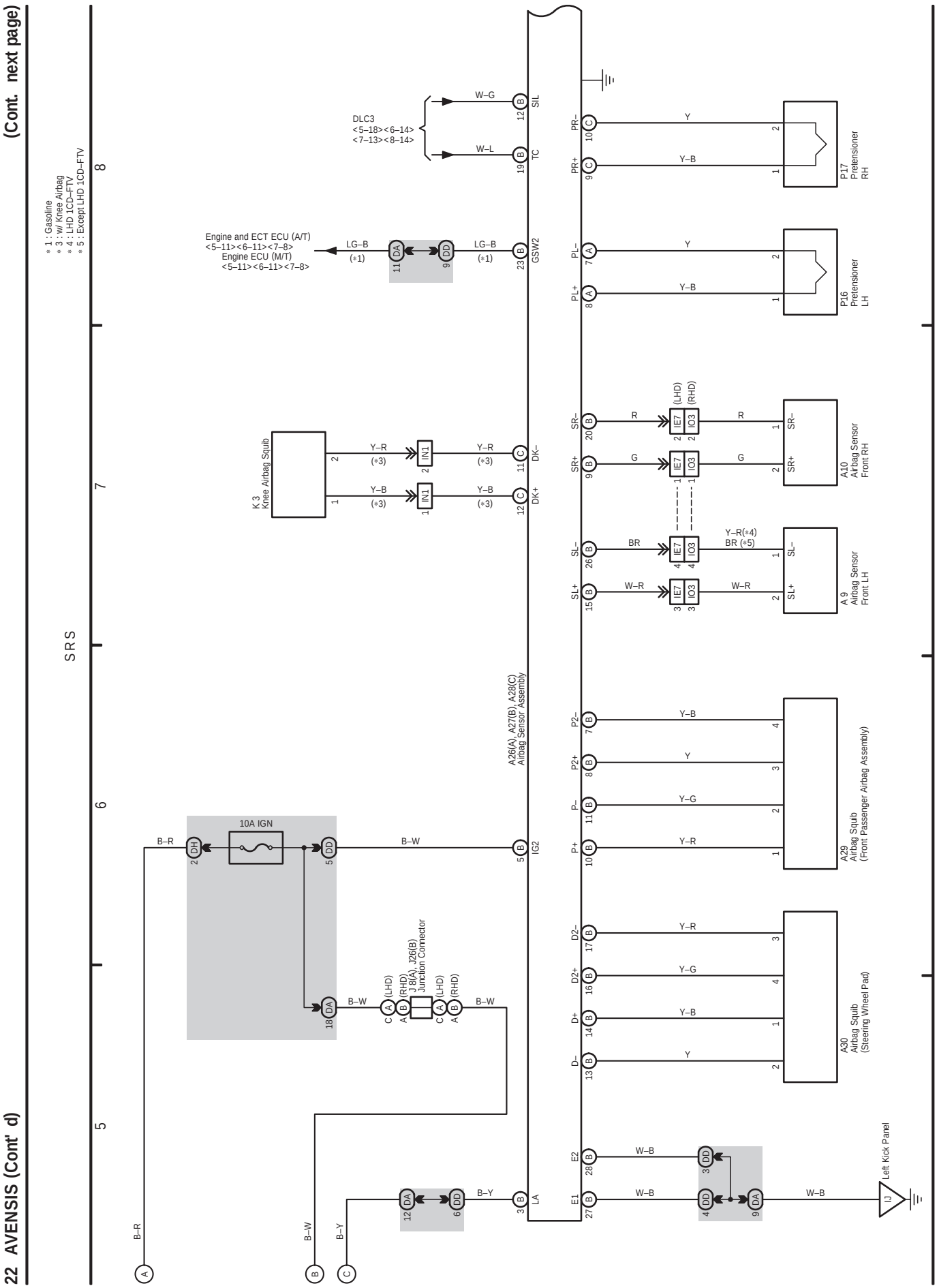
http://vnx.su


21 AVENSIS (Cont' d)
ABS
5
6
7
8
* 5 : Navigation System (Map Type)
Multi–Display
<39–6>
B–W
(*5)
DM
8
DC
2
B–W
P 4
Parking
Brake SW
1
A/C Control Assembly
<47–5><48–8><49–7>
B–W
DC
4
DB
3
B–W
IE2
2
B–W
14
PKB
DLC3
<6–14><7–13><8–15>
W–G
11
D/G
W–L
25
TC
DLC3
<6–15><7–15><8–16>
W
13
TS
S 2
Skid Control ECU with Actuator
Neutral Start SW
<11–11><12–10>
W–L
(A/T)
1
D 2
Diode
R
(A/T)
3
2
G
(A/T)
IE2
1
G
(A/T)
21
PN
Combination Meter
<42–4>
L–W
23
SP1
Stop Light SW
<17–1>
G–W
20
STP
RR–
8
V
IE2
11
V
IM1
10
V
RR+
19
P
IE2
10
P
IM1
1
P
1
2
A33
ABS Speed Sensor
Rear RH
RL–
17
G
IB1
1
G
RL+
7
R
IB2
2
R
1
2
A32
ABS Speed Sensor
Rear LH
FR–
9
B
FR+
10
W
2
1
A 5
ABS Speed Sensor
Front RH
FL–
6
R–L
FL+
5
L–Y
2
1
A 4
ABS Speed Sensor
Front LH

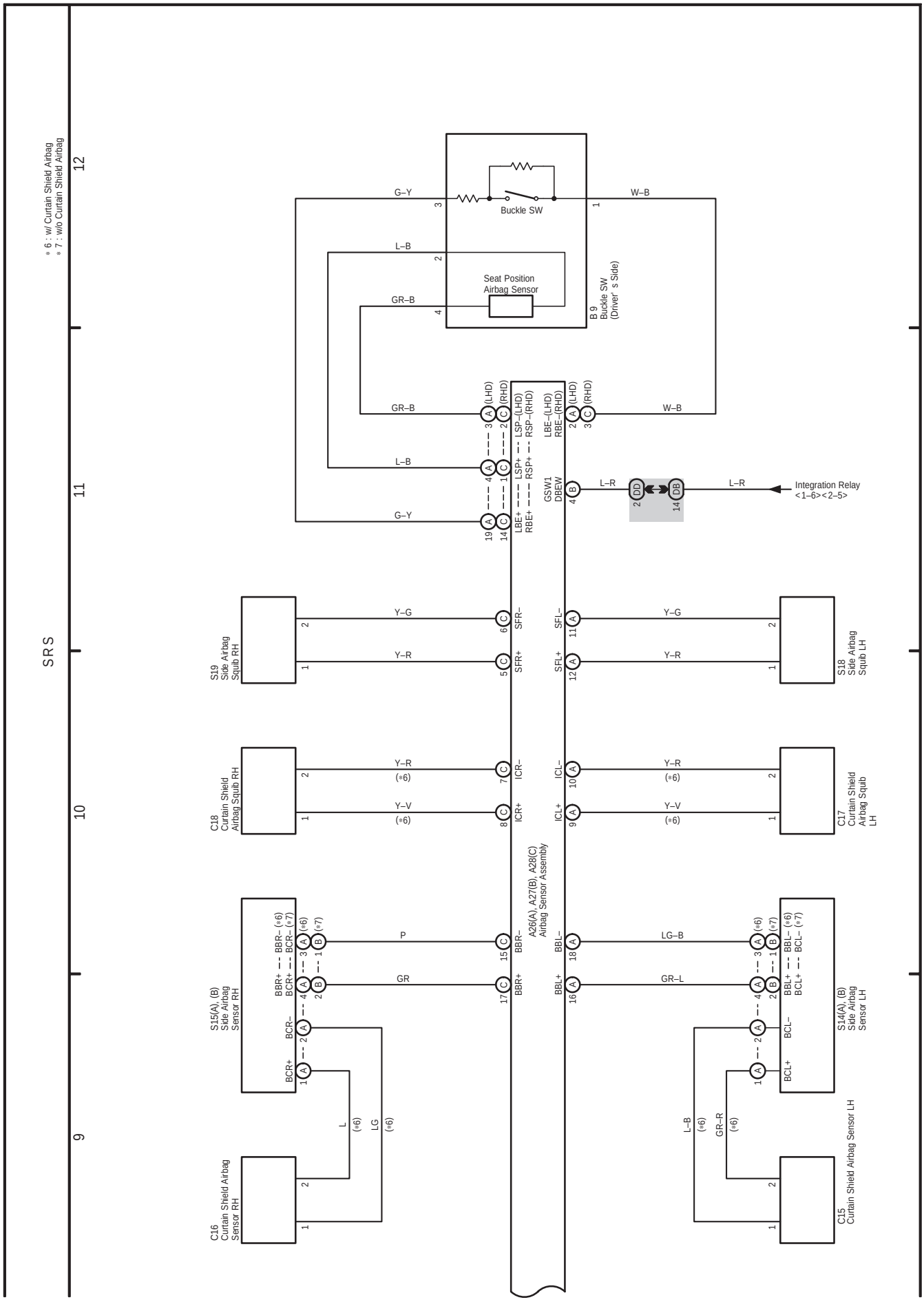
http://vnx.su


(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
SRS
Power Source
22 AVENSIS
Instrument Panel Reinforcement RH
Behind the Combination Meter
Right Kick Panel
Left Kick Panel
Multiplex Communication System<1–15><2–11>
BEAN I/F
CPU
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
7. 5A DOME
10A GAUGE1
IG1 Relay
25A AM1
30A AM2
30A DCC
120A ALT (1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
I13 Ignition SW
FL MAIN 3. 0W
Battery
ACC
IG1
IG2
ST2
AM1
AM2
(LHD)
(RHD)
(*1)
(*2)

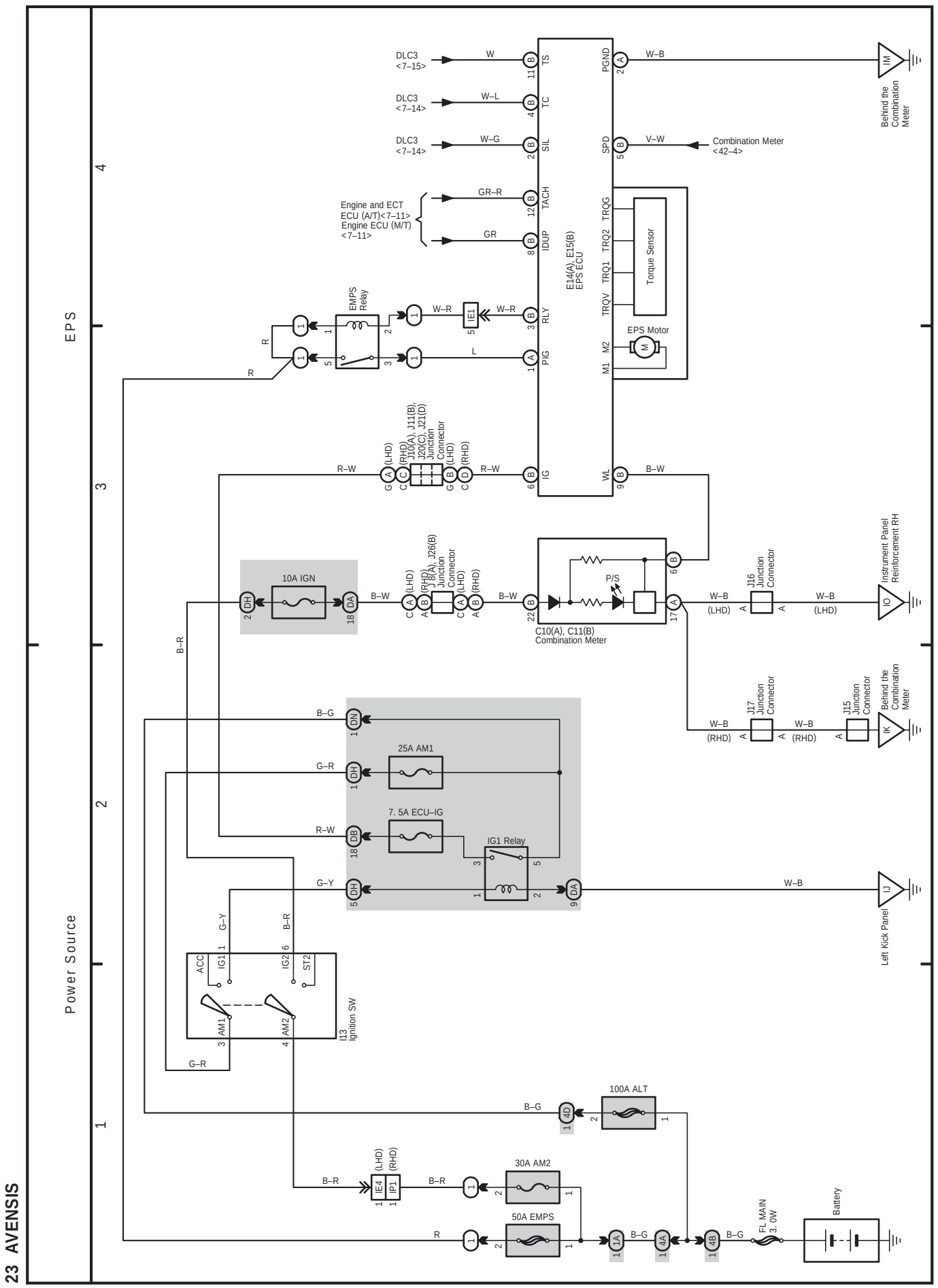
http://vnx.su


22 AVENSIS (Cont' d)
(Cont. next page)
SRS
5
6
7
8
* 1 : Gasoline
* 3 : w/ Knee Airbag
* 4 : LHD 1CD–FTV
* 5 : Except LHD 1CD–FTV
DLC3
<5–18><6–14>
<7–13><8–14>
W–G
W–L
SIL
TC
Engine and ECT ECU (A/T)
<5–11><6–11><7–8>
Engine ECU (M/T)
<5–11><6–11><7–8>
LG–B
(*1)
GSW2
K 3
Knee Airbag Squib
Y–R
(*3)
Y–B
(*3)
DK–
DK+
A26(A), A27(B), A28(C)
Airbag Sensor Assembly
10A IGN
B–R
B–W
IG2
J 8(A), J26(B)
Junction Connector
(LHD)
(RHD)
LA
B–Y
E1
E2
W–B
Left Kick Panel
IJ
P17
Pretensioner
RH
P16
Pretensioner
LH
A10
Airbag Sensor
Front RH
A 9
Airbag Sensor
Front LH
A29
Airbag Squib
(Front Passenger Airbag Assembly)
A30
Airbag Squib
(Steering Wheel Pad)
R
G
BR
W–R
Y–R(*4)
BR (*5)
Y
Y–B
Y–G
Y–R
PR–
PR+
PL–
PL+
SR–
SR+
SL–
SL+
P2–
P2+
P–
P+
D2–
D2+
D+
D–

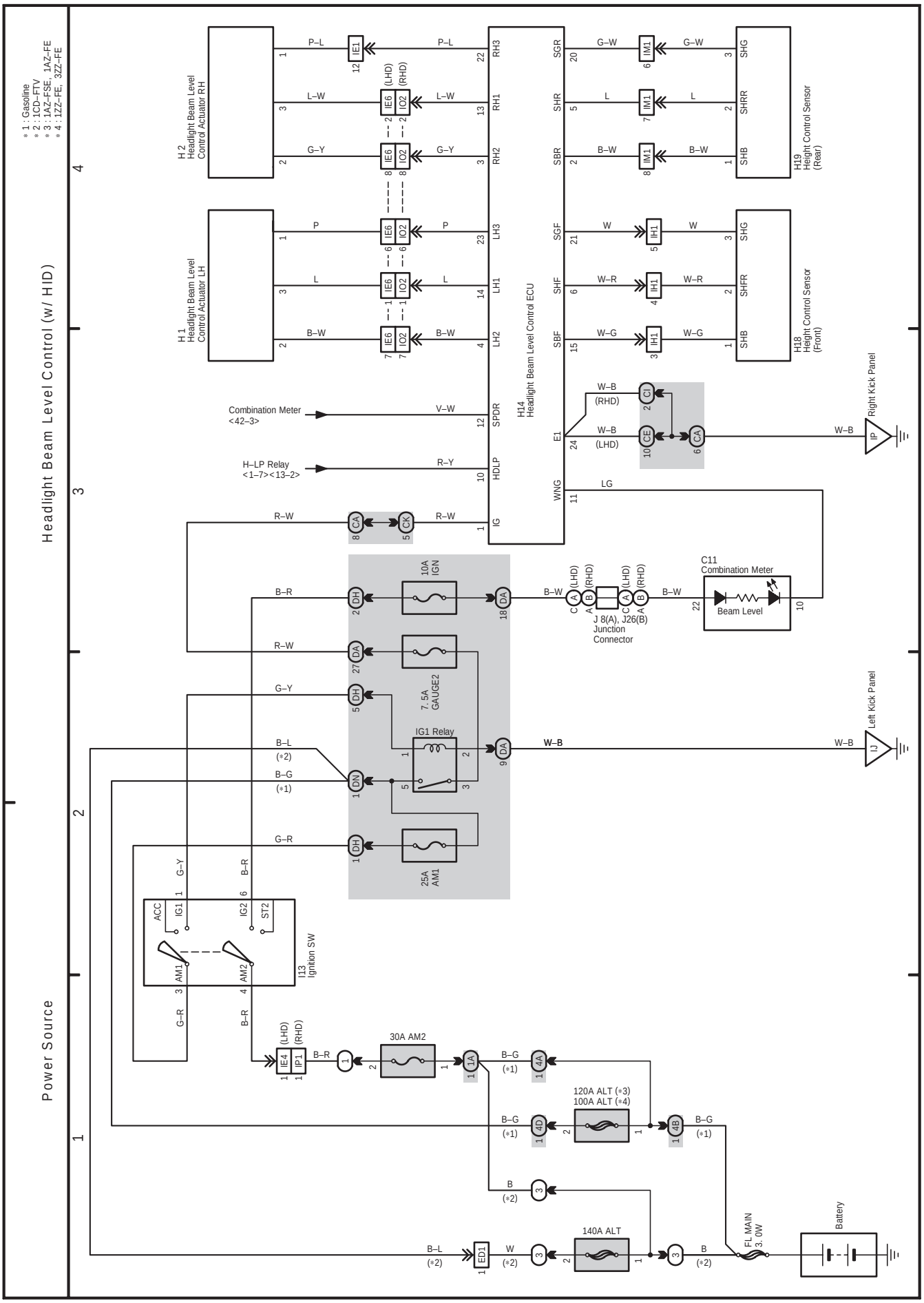
http://vnx.su


22 AVENSIS (Cont' d)
SRS
9
10
11
12
* 6 : w/ Curtain Shield Airbag
* 7 : w/o Curtain Shield Airbag
Buckle SW
Seat Position Airbag Sensor
B 9 Buckle SW (Driver' s Side)
G–Y
W–B
L–B
GR–B
GR–B
W–B
L–B
G–Y
L–R
L–R
Integration Relay <1–6><2–5>
GSW1
DBEW
LBE+
RBE+
LSP+
RSP+
LBE–(LHD)
RBE–(RHD)
LSP–(LHD)
RSP–(RHD)
S19 Side Airbag Squib RH
S18 Side Airbag Squib LH
Y–G
Y–R
SFR–
SFR+
SFL–
SFL+
C18 Curtain Shield Airbag Squib RH
C17 Curtain Shield Airbag Squib LH
Y–R (*6)
Y–V (*6)
ICR–
ICR+
ICL–
ICL+
A26(A), A27(B), A28(C) Airbag Sensor Assembly
S15(A), (B) Side Airbag Sensor RH
S14(A), (B) Side Airbag Sensor LH
P
GR
LG–B
GR–L
BBR–
BBR+
BBL–
BBL+
BCR+
BCR–
BCL+
BCL–
C16 Curtain Shield Airbag Sensor RH
C15 Curtain Shield Airbag Sensor LH
L (*6)
LG (*6)
L–B (*6)
GR–R (*6)

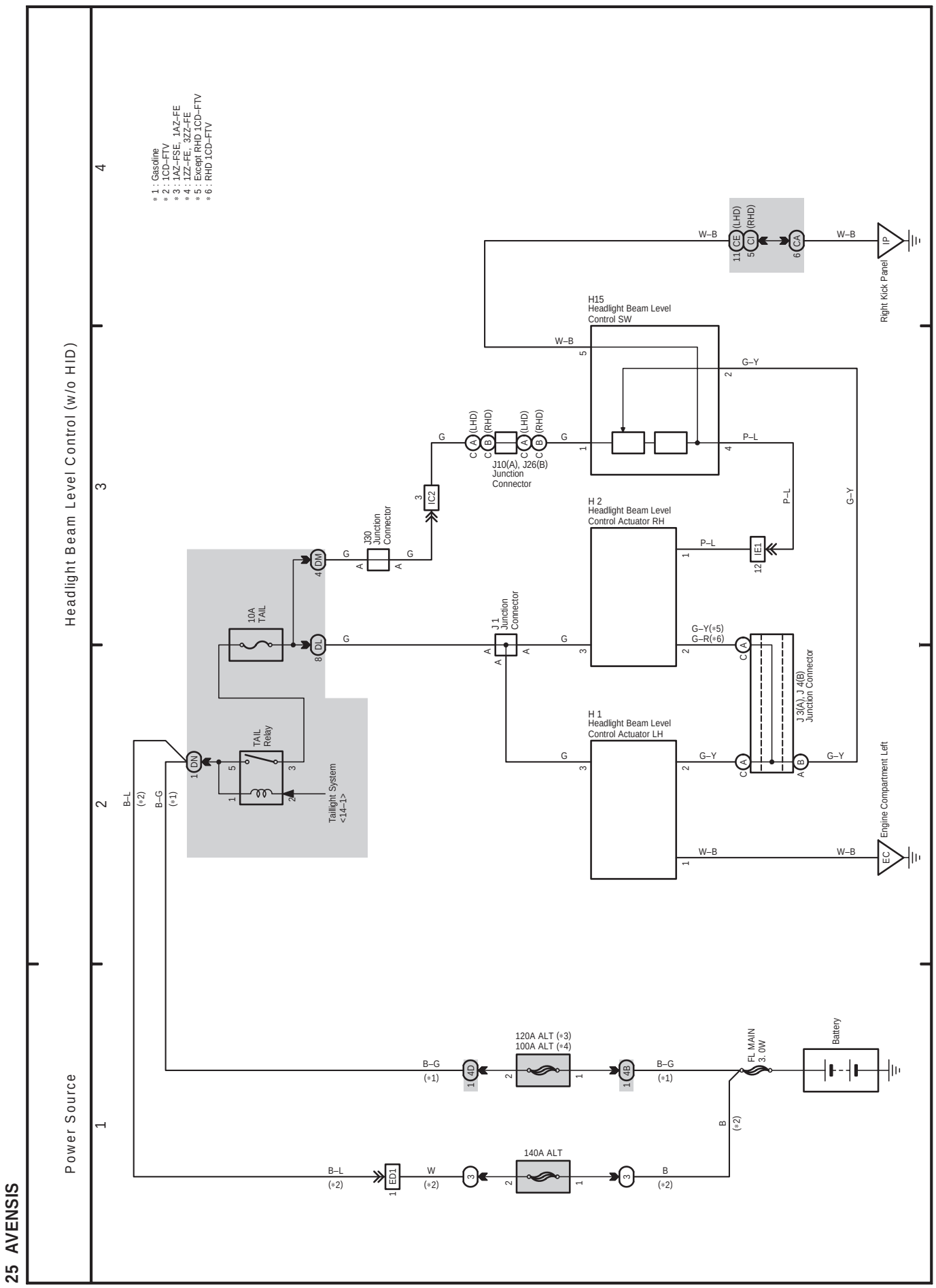
http://vnx.su


EPS
Power Source
1
2
3
4
DLC3 <7–15>
DLC3 <7–14>
DLC3 <7–14>
Engine and ECT ECU (A/T)<7–11> Engine ECU (M/T) <7–11>
W
W–L
W–G
GR–R
GR
TS
TC
SIL
TACH
IDUP
E14(A), E15(B) EPS ECU
PGND
SPD
TRQG
TRQ2
TRQ1
TRQV
M2
M1
Torque Sensor
EPS Motor
W–B
V–W
Combination Meter <42–4>
Behind the Combination Meter
EMPS Relay
IE1
W–R
L
R
P/G
RLY
R–W
IG
WL
B–W
J10(A), J11(B), J20(C), J21(D) Junction Connector
(LHD)
(RHD)
10A IGN
J8(A), J26(B) Junction Connector
B–W
P/S
C10(A), C11(B) Combination Meter
J16 Junction Connector
Instrument Panel Reinforcement RH
J17 Junction Connector
J15 Junction Connector
W–B (RHD)
B–R
B–G
G–R
G–Y
R–W
25A AM1
7. 5A ECU–IG
IG1 Relay
Left Kick Panel
ACC
IG1
IG2
ST2
AM1
AM2
I13 Ignition SW
100A ALT
IE4
IP1
30A AM2
50A EMPS
FL MAIN 3. 0W
Battery

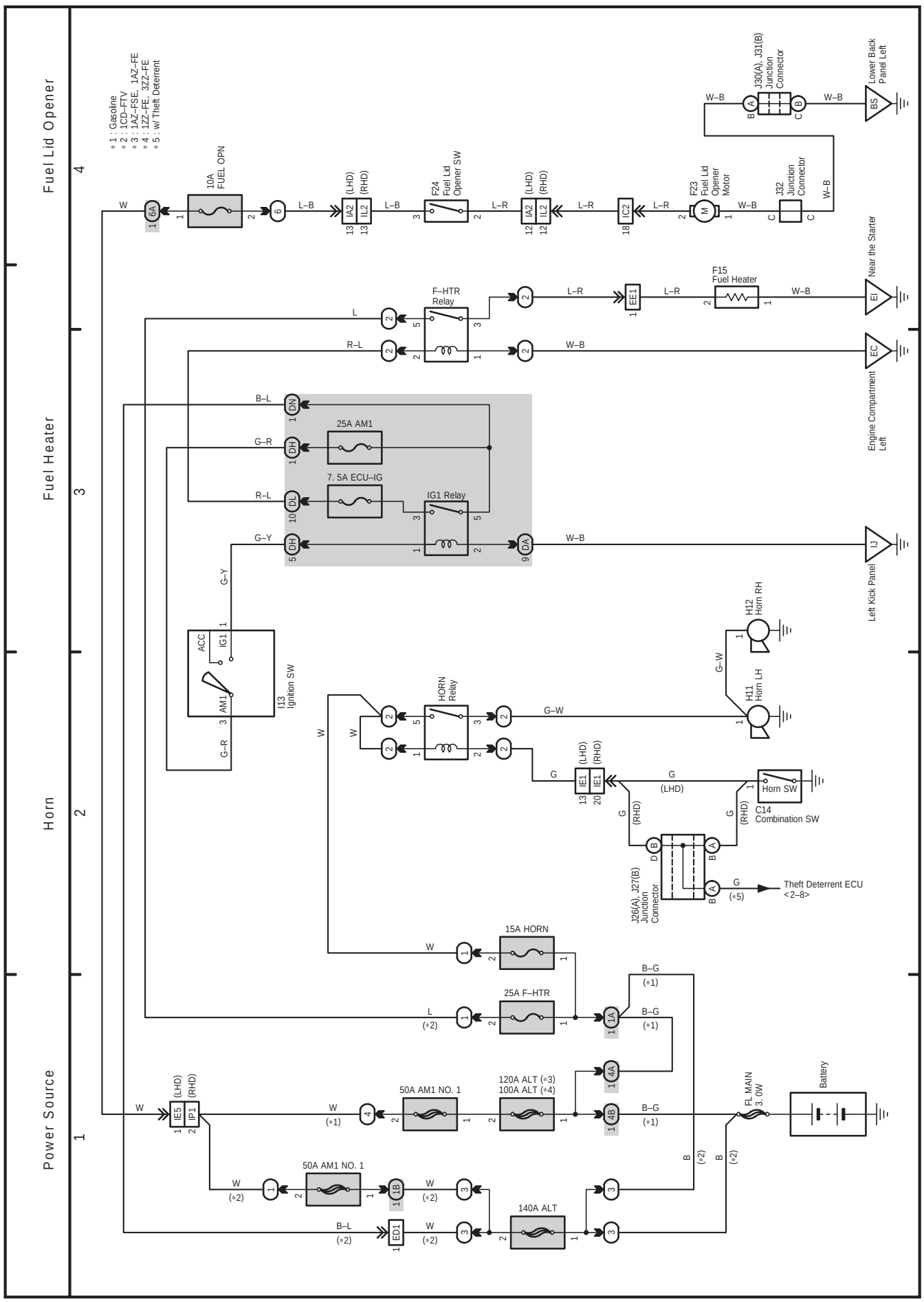
http://vnx.su


Headlight Beam Level Control (w/ HID)
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
H2 Headlight Beam Level Control Actuator RH
H1 Headlight Beam Level Control Actuator LH
H14 Headlight Beam Level Control ECU
H19 Height Control Sensor (Rear)
H18 Height Control Sensor (Front)
Combination Meter <42–3>
H–LP Relay <1–7><13–2>
Right Kick Panel
Left Kick Panel
C11 Combination Meter
Beam Level
J 8(A), J26(B) Junction Connector
10A IGN
7. 5A GAUGE2
25A AM1
IG1 Relay
I13 Ignition SW
30A AM2
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

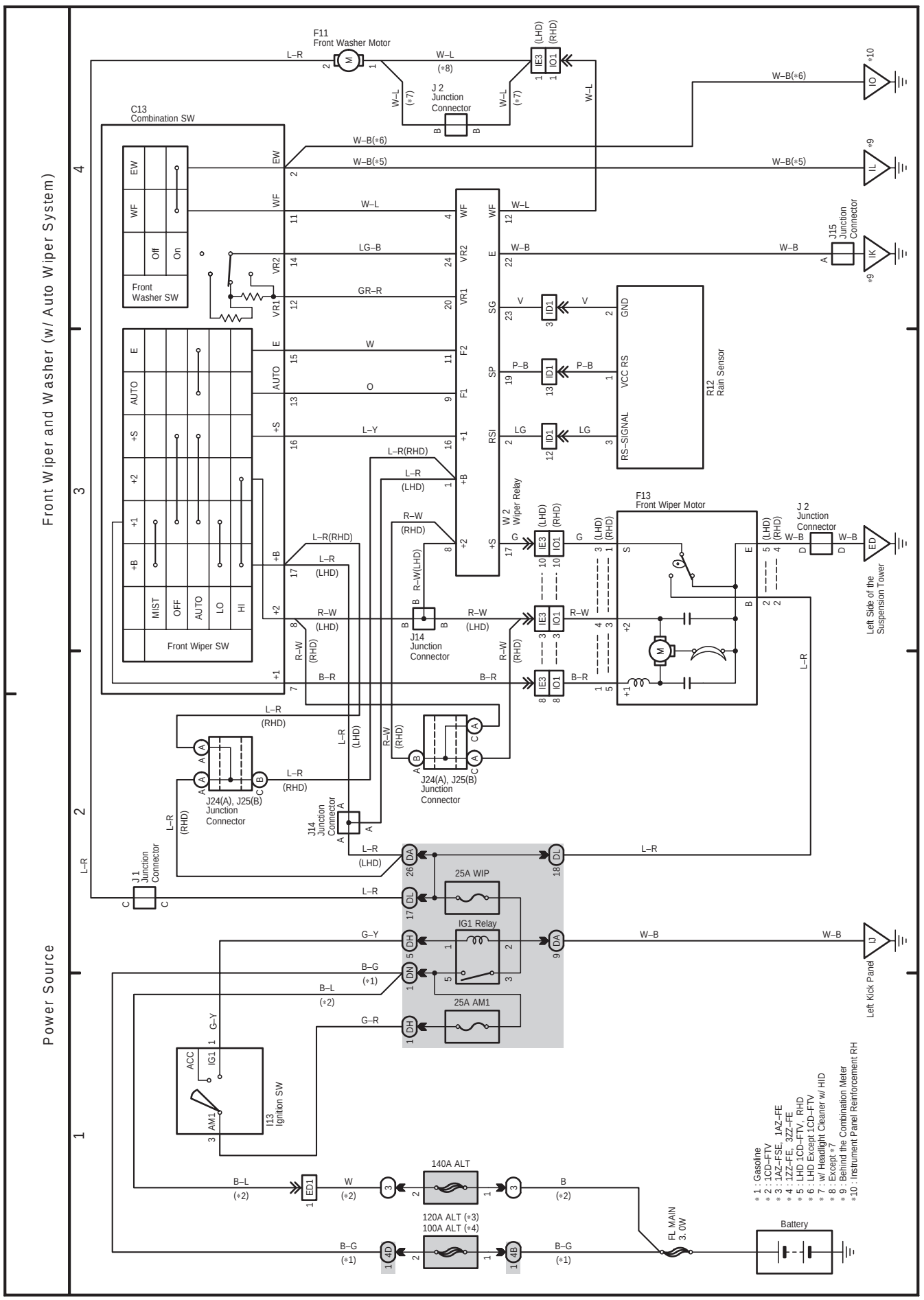
http://vnx.su


25 AVENSIS
Power Source
Headlight Beam Level Control (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : Except RHD 1CD–FTV
* 6 : RHD 1CD–FTV
Right Kick Panel
IP
W–B
11 CE (LHD)
5 CI (RHD)
6 CA
H15
Headlight Beam Level
Control SW
G–Y
P–L
J10(A), J26(B)
Junction
Connector
IC2
J30
Junction
Connector
H 2
Headlight Beam Level
Control Actuator RH
IE1
12
J1
Junction
Connector
10A
TAIL
DM
DL
G
G–Y(*5)
G–R(*6)
J 3(A), J 4(B)
Junction Connector
H 1
Headlight Beam Level
Control Actuator LH
TAIL
Relay
DN
Taillight System
<14–1>
B–L
(*2)
B–G
(*1)
Engine Compartment Left
EC
120A ALT (*3)
100A ALT (*4)
4D
4B
FL MAIN
3. 0W
Battery
140A ALT
ED1
W
B
(*2)

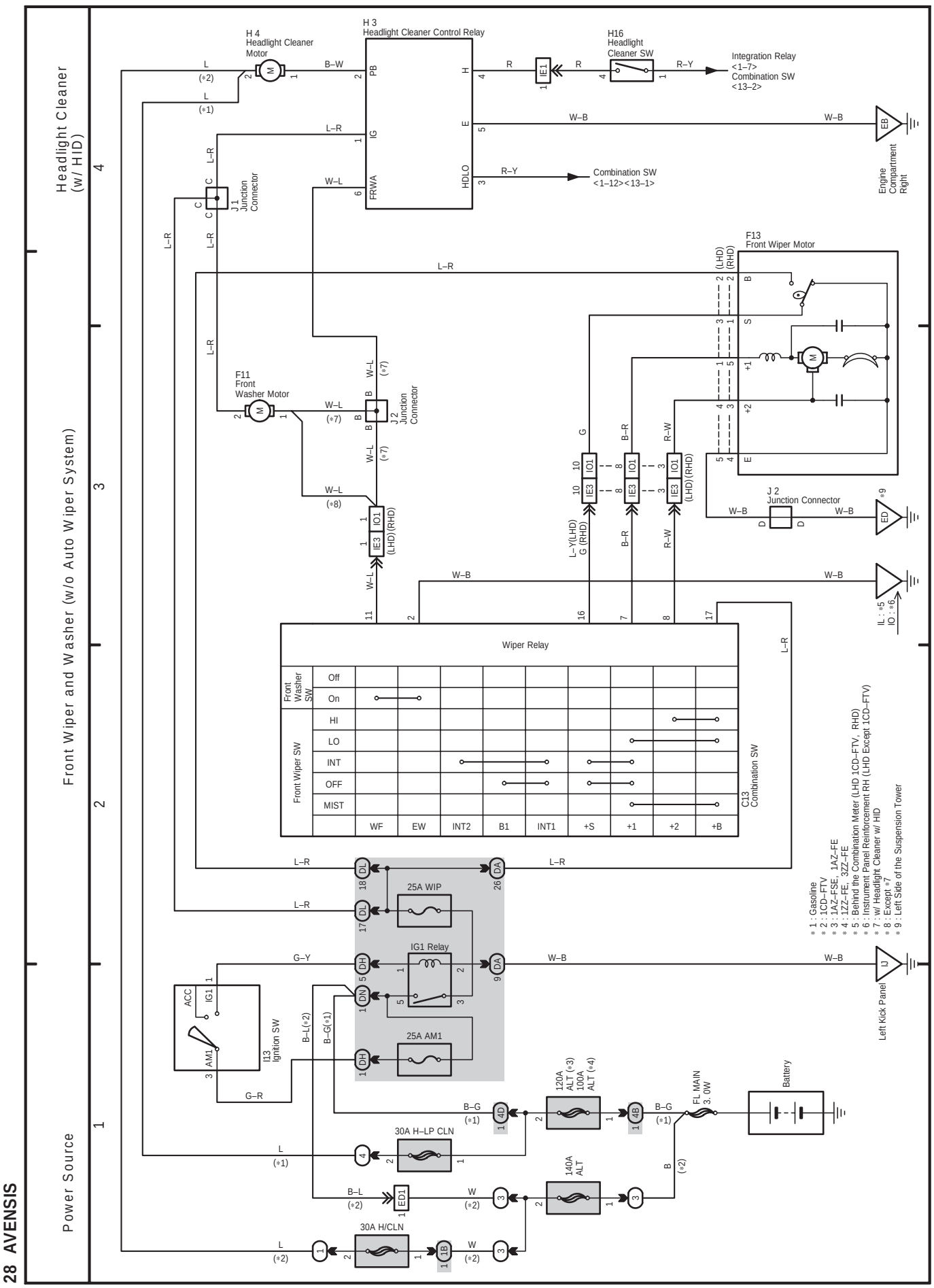
http://vnx.su


Fuel Lid Opener
Fuel Heater
Horn
Power Source
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
*5 : w/ Theft Deterrent
10A FUEL OPN
F24 Fuel Lid Opener SW
F23 Fuel Lid Opener Motor
J32 Junction Connector
J30(A), J31(B) Junction Connector
Lower Back Panel Left
F15 Fuel Heater
Near the Starter
F–HTR Relay
Engine Compartment Left
25A AM1
7. 5A ECU–IG
IG1 Relay
Left Kick Panel
H12 Horn RH
H11 Horn LH
I13 Ignition SW
HORN Relay
Horn SW
C14 Combination SW
J26(A), J27(B) Junction Connector
Theft Deterrent ECU <2–8>
15A HORN
25A F–HTR
50A AM1 NO. 1
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

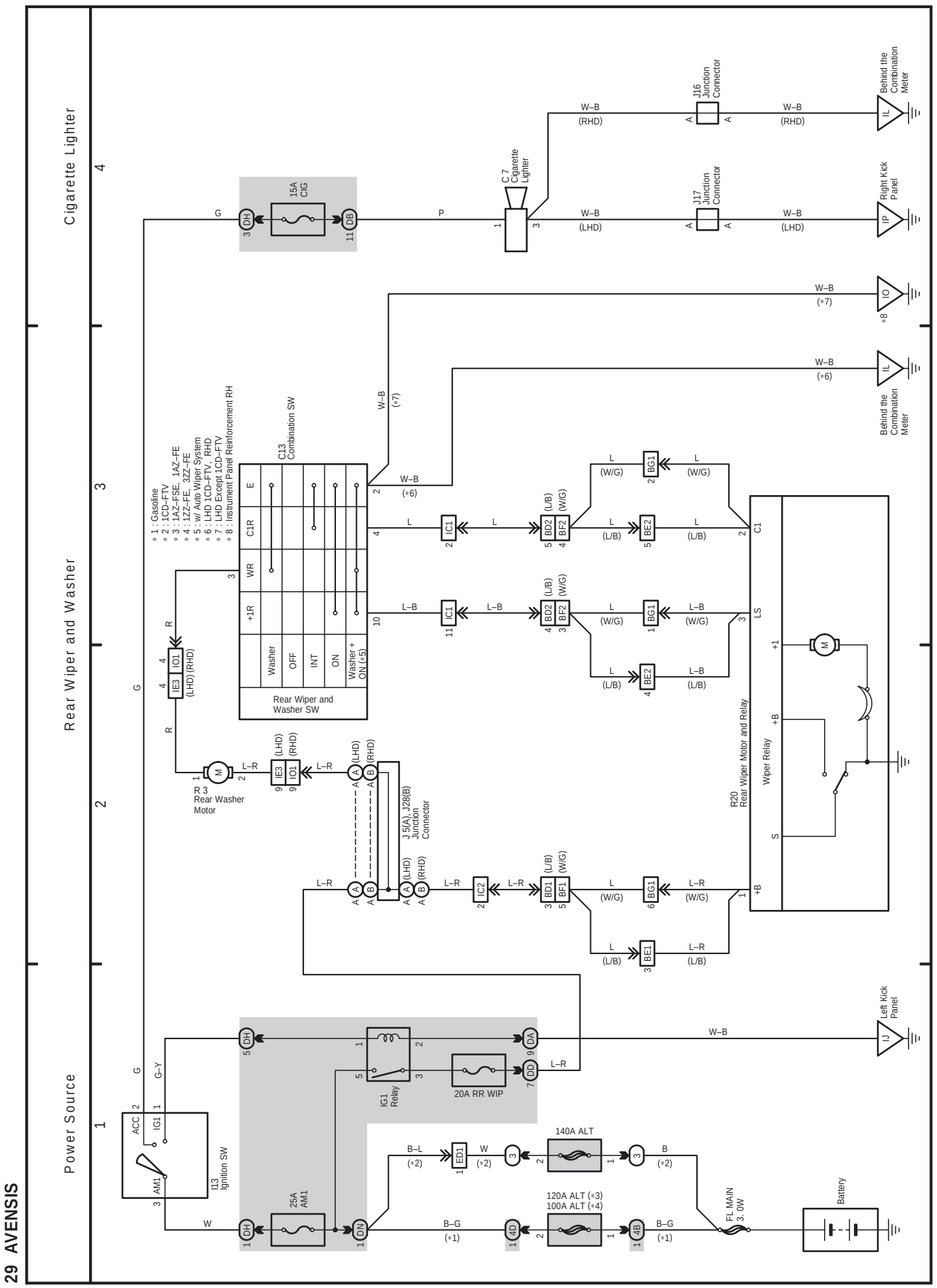
http://vnx.su


Front Wiper and Washer (w/ Auto Wiper System)
Power Source
F11
Front Washer Motor
C13
Combination SW
Front
Washer SW
Front Wiper SW
MIST
OFF
AUTO
LO
HI
W 2
Wiper Relay
R12
Rain Sensor
F13
Front Wiper Motor
J 2
Junction
Connector
J14
Junction
Connector
J15
Junction
Connector
J24(A), J25(B)
Junction
Connector
J 1
Junction
Connector
25A WIP
IG1 Relay
25A AM1
I13
Ignition SW
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3 0W
Battery
Left Side of the
Suspension Tower
Left Kick Panel
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : LHD 1CD–FTV, RHD
* 6 : LHD Except 1CD–FTV
* 7 : w/ Headlight Cleaner w/ HID
* 8 : Except *7
* 9 : Behind the Combination Meter
*10 : Instrument Panel Reinforcement RH

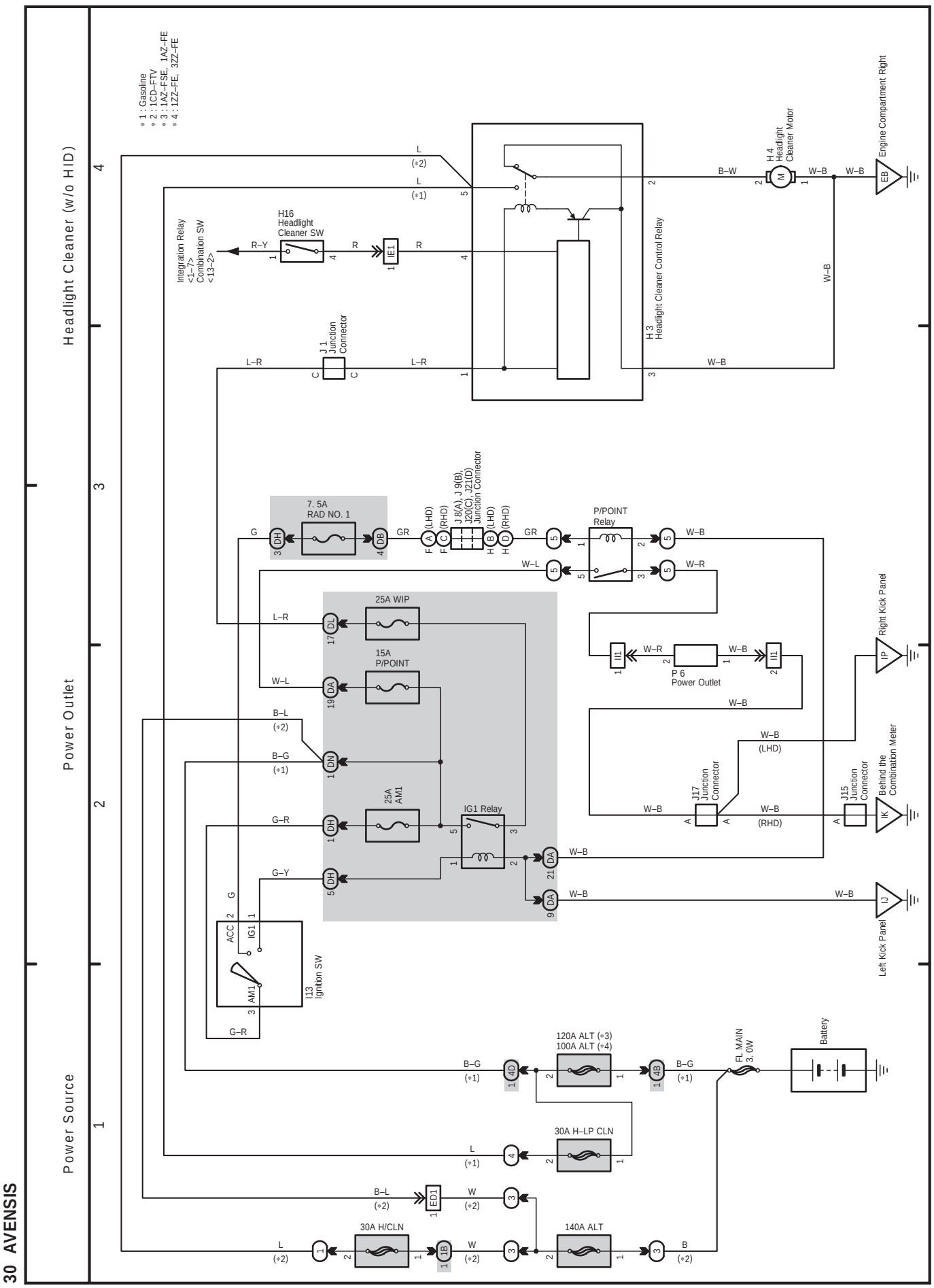
http://vnx.su


Headlight Cleaner (w/ HID)
Front Wiper and Washer (w/o Auto Wiper System)
Power Source
H 4 Headlight Cleaner Motor
H 3 Headlight Cleaner Control Relay
H16 Headlight Cleaner SW
Integration Relay <1–7> Combination SW <13–2>
Combination SW <1–12><13–1>
Engine Compartment Right
J1 Junction Connector
F13 Front Wiper Motor
F11 Front Washer Motor
J2 Junction Connector
Wiper Relay
C13 Combination SW
Front Wiper SW
Front Washer SW
Off
On
HI
LO
INT
OFF
MIST
WF
EW
INT2
B1
INT1
+S
+1
+2
+B
25A WIP
IG1 Relay
25A AM1
I13 Ignition SW
ACC
IG1
AM1
120A ALT (*3) 100A ALT (*4)
140A ALT
30A H–LP CLN
30A H/CLN
FL MAIN 3. 0W
Battery
Left Kick Panel
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : Behind the Combination Meter (LHD 1CD–FTV, RHD)
* 6 : Instrument Panel Reinforcement RH (LHD Except 1CD–FTV)
* 7 : w/ Headlight Cleaner w/ HID
* 8 : Except *7
* 9 : Left Side of the Suspension Tower
IL : *5
IO : *6

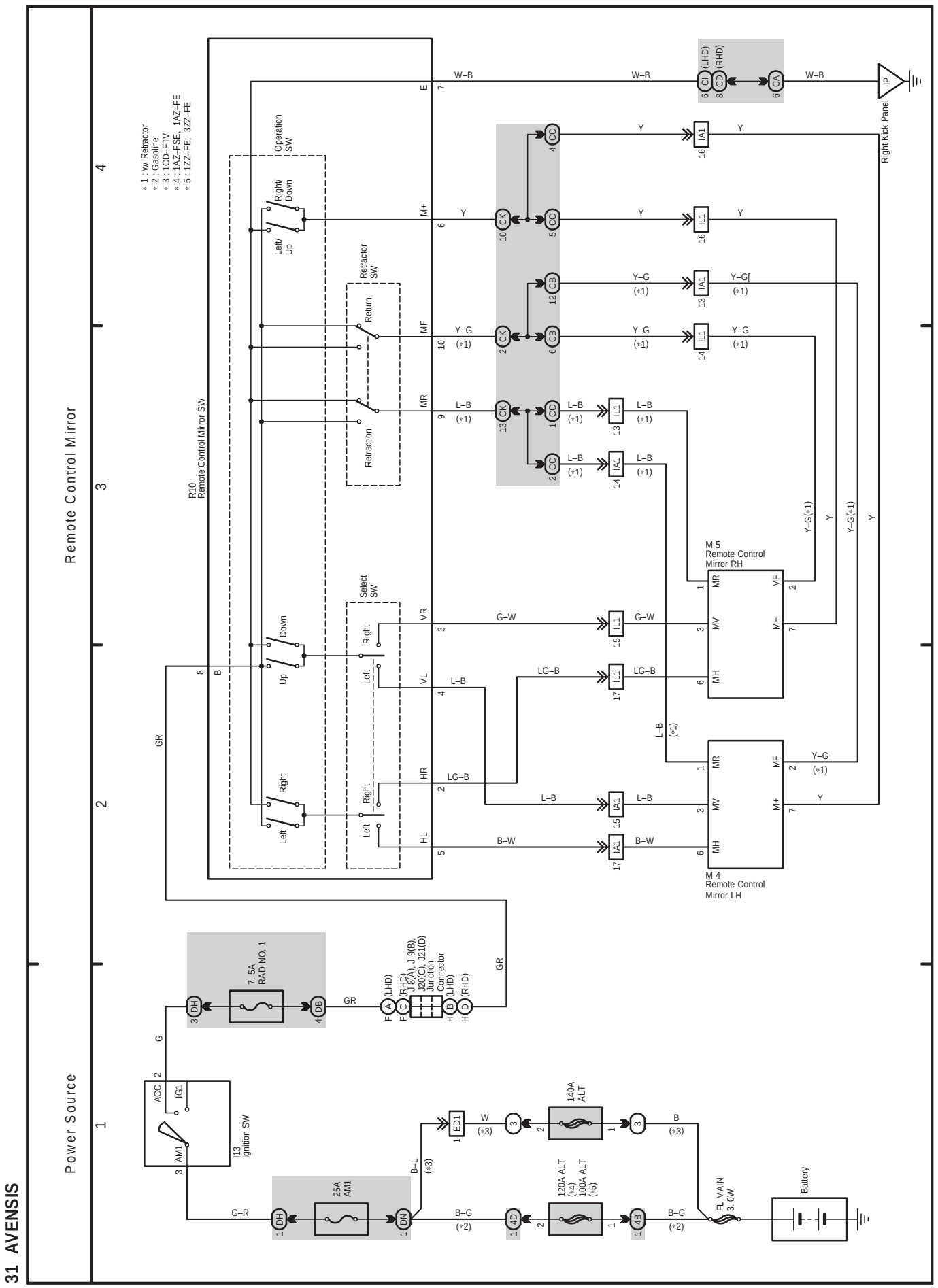
http://vnx.su


29 AVENSIS
Power Source
Rear Wiper and Washer
Cigarette Lighter
1
2
3
4
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
*5 : w/ Auto Wiper System
*6 : LHD 1CD–FTV, RHD
*7 : LHD Except 1CD–FTV
*8 : Instrument Panel Reinforcement RH
I13 Ignition SW
ACC
IG1
AM1
25A AM1
15A CIG
C7 Cigarette Lighter
IG1 Relay
20A RR WIP
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
Left Kick Panel
Right Kick Panel
Behind the Combination Meter
J16 Junction Connector
J17 Junction Connector
J5(A), J28(B) Junction Connector
C13 Combination SW
Rear Wiper and Washer SW
Washer
OFF
INT
ON
Washer + ON (*5)
R3 Rear Washer Motor
R20 Rear Wiper Motor and Relay
Wiper Relay
W–B (RHD)
W–B (LHD)
W–B (*6)
W–B (*7)
W–B (*8)
L–R
L–B
B–L
B–G
G–Y
(*1)
(*2)

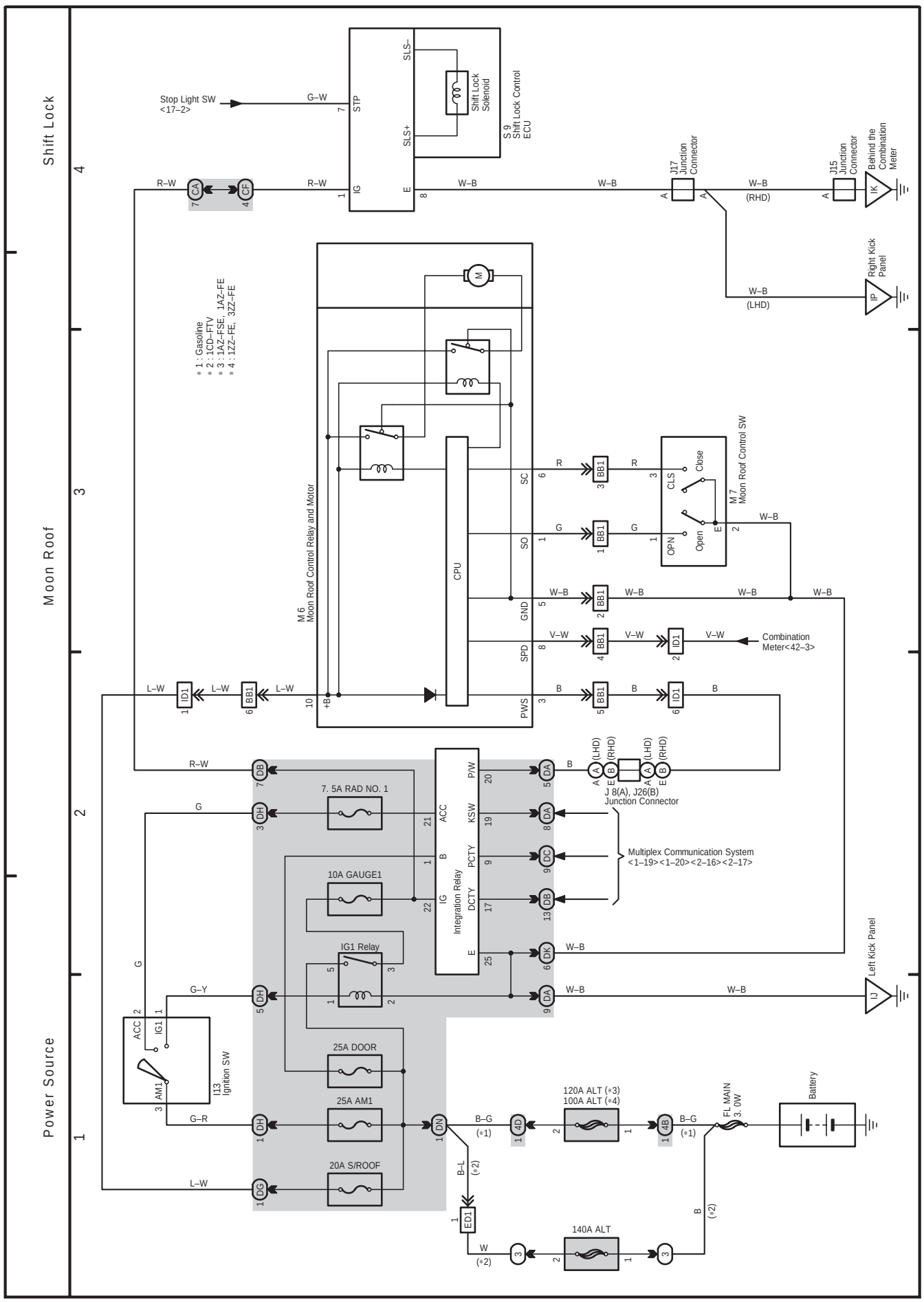
http://vnx.su


* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
Headlight Cleaner (w/o HID)
Power Outlet
Power Source
H16 Headlight Cleaner SW
Integration Relay <1–7> Combination SW <13–2>
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
Engine Compartment Right
J 1 Junction Connector
7. 5A RAD NO. 1
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
P/POINT Relay
25A WIP
15A P/POINT
25A AM1
IG1 Relay
I13 Ignition SW
P 6 Power Outlet
Right Kick Panel
Left Kick Panel
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
30A H–LP CLN
30A H/CLN
140A ALT

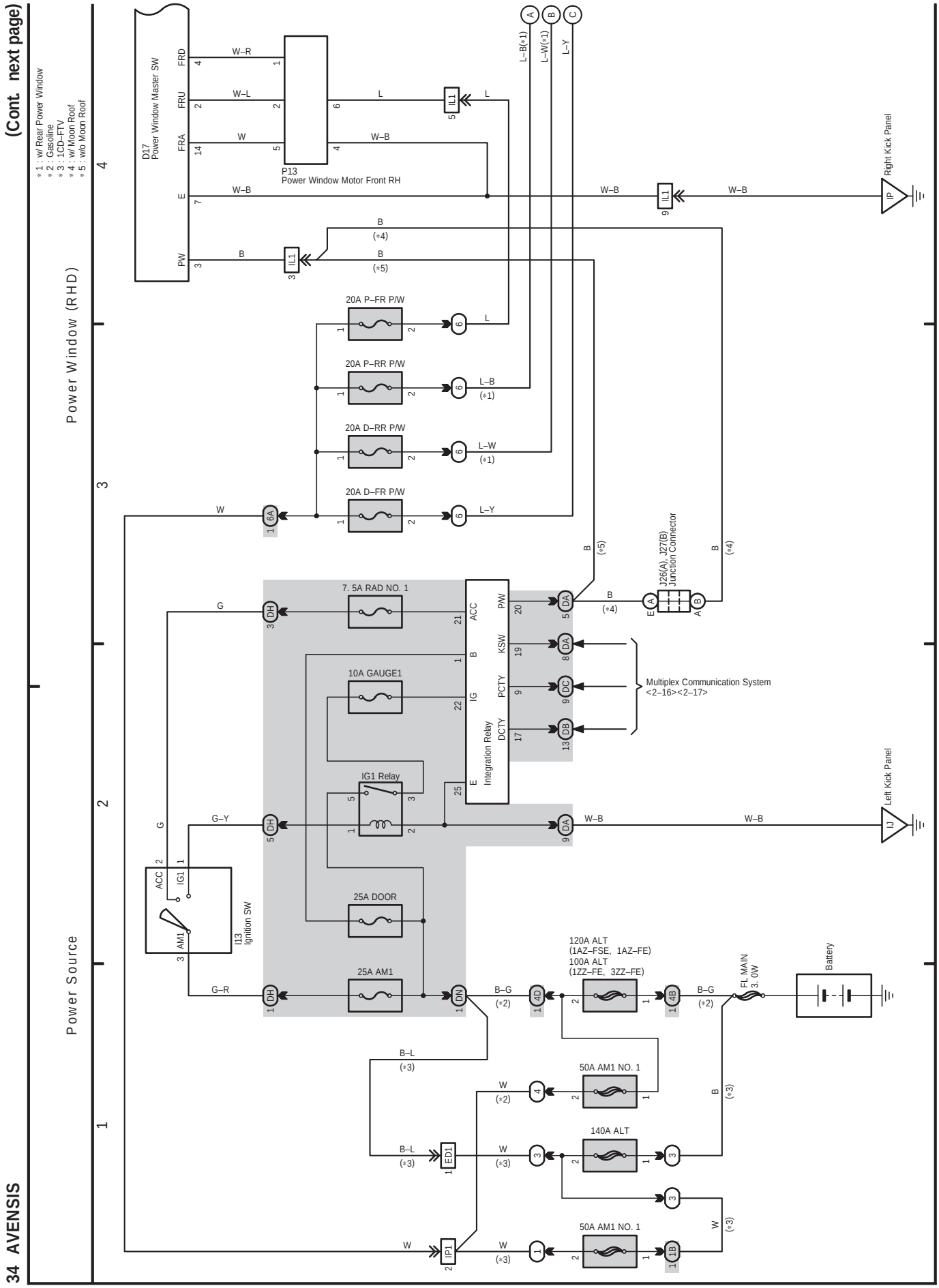
http://vnx.su


31 AVENSIS
Power Source
Remote Control Mirror
1
2
3
4
* 1 : w/ Retractor
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : 1AZ–FSE, 1AZ–FE
* 5 : 1ZZ–FE, 3ZZ–FE
R10
Remote Control Mirror SW
Operation SW
Right/ Down
Left/ Up
Retractor SW
Return
Retraction
Select SW
Down
Up
Right
Left
M 5
Remote Control Mirror RH
M 4
Remote Control Mirror LH
Right Kick Panel
IP
I13
Ignition SW
ACC
IG1
AM1
7. 5A
RAD NO. 1
25A
AM1
140A
ALT
120A ALT
(*4)
100A ALT
(*5)
FL MAIN
3. 0W
Battery
J 9(B), J 8(A), J20(C), J21(D)
Junction Connector
(LHD)
(RHD)
W–B
Y
Y–G
L–B
G–W
LG–B
B–W
B–L
B–G
GR
G
G–R
W
B
(*1)
(*2)
(*3)

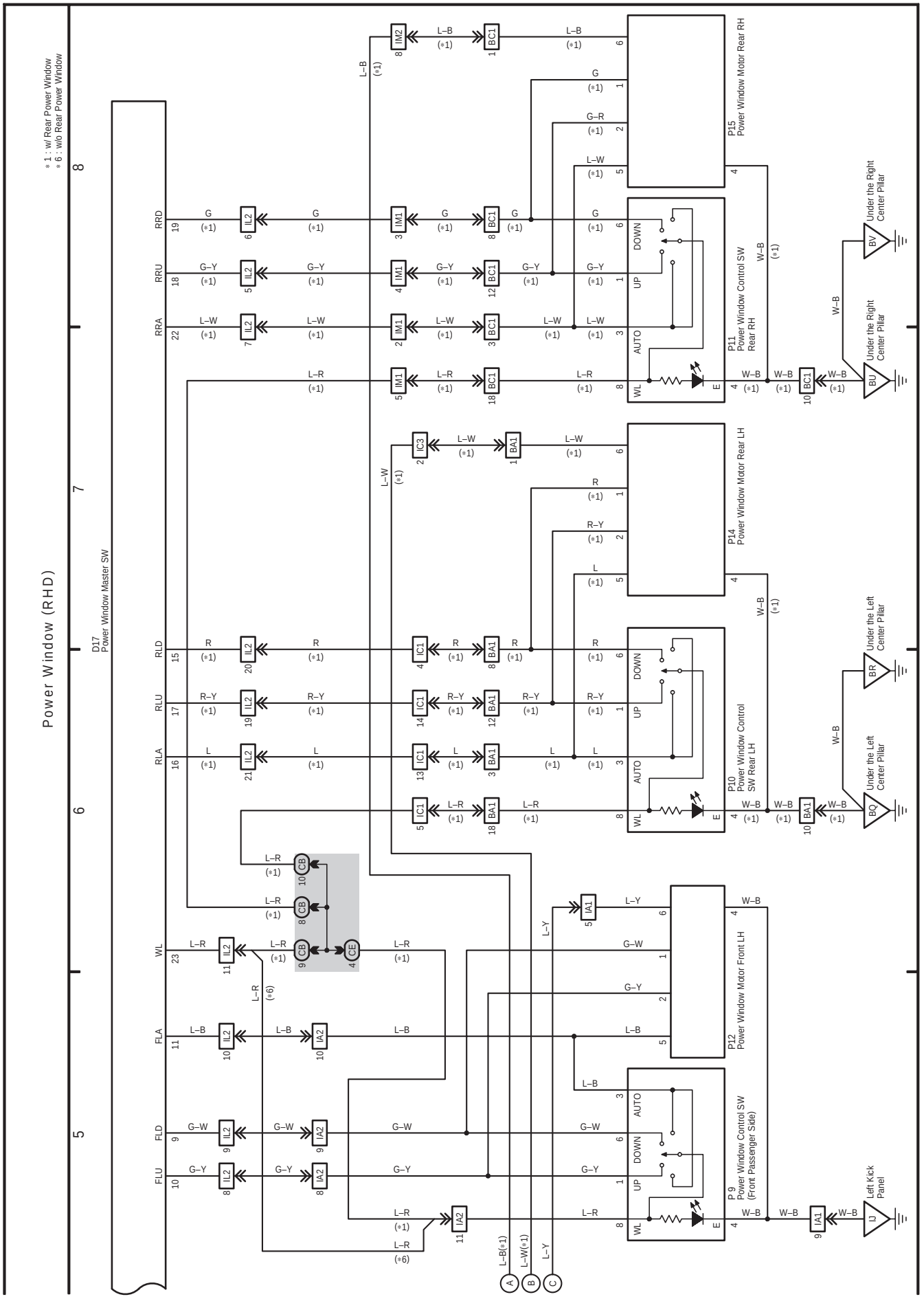
http://vnx.su


Shift Lock
Moon Roof
Power Source
Stop Light SW <17–2>
G–W
Shift Lock Solenoid
S 9 Shift Lock Control ECU
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
Right Kick Panel
Left Kick Panel
(RHD)
(LHD)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
M 6 Moon Roof Control Relay and Motor
CPU
M 7 Moon Roof Control SW
Close
Open
Combination Meter<42–3>
J 8(A), J26(B) Junction Connector
Multiplex Communication System <1–19><1–20><2–16><2–17>
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A DOOR
25A AM1
20A S/ROOF
Integration Relay
I13 Ignition SW
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

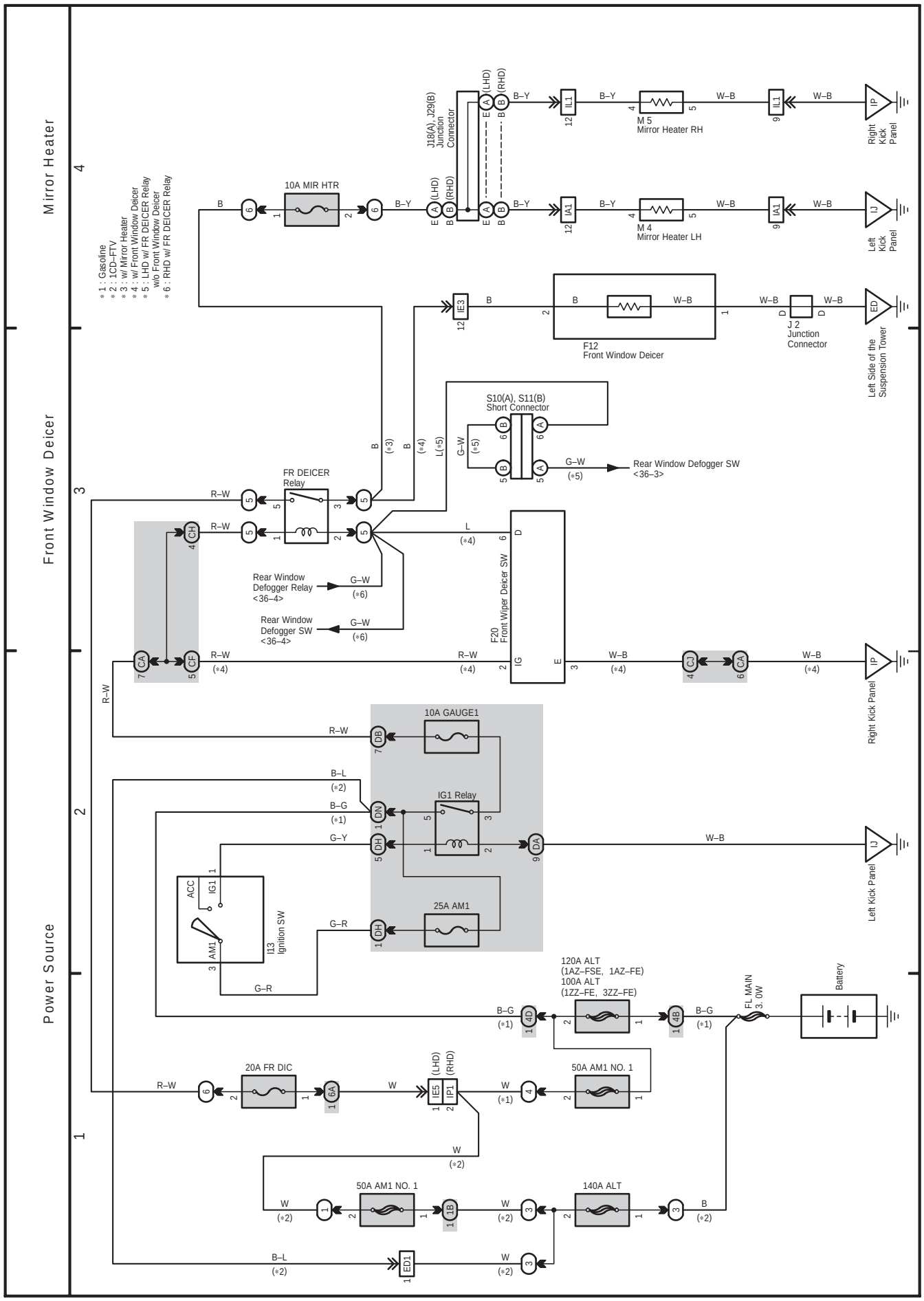
http://vnx.su


(Cont next page)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
Power Window (RHD)
Power Source
D17
Power Window Master SW
P13
Power Window Motor Front RH
Right Kick Panel
Left Kick Panel
20A P–FR P/W
20A P–RR P/W
20A D–RR P/W
20A D–FR P/W
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A DOOR
25A AM1
Integration Relay
J26(A), J27(B)
Junction Connector
Multiplex Communication System
<2–16><2–17>
I13
Ignition SW
120A ALT
(1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
140A ALT
50A AM1 NO. 1
50A AM1 NO. 1
FL MAIN
3. 0W
Battery

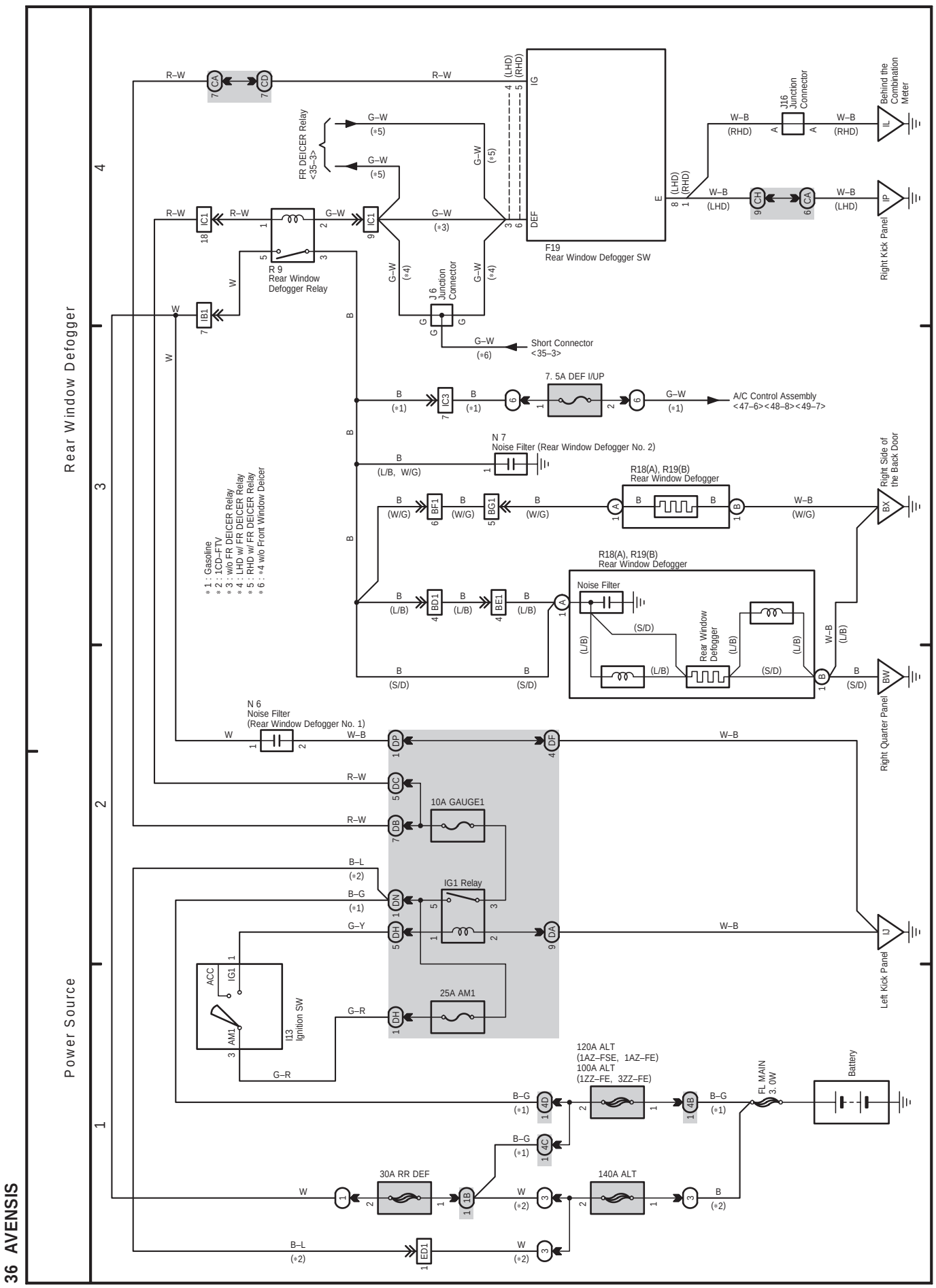
http://vnx.su


34 AVENSIS (Cont' d)
Power Window (RHD)
D17
Power Window Master SW
* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window
P15
Power Window Motor Rear RH
P14
Power Window Motor Rear LH
P12
Power Window Motor Front LH
P11
Power Window Control SW
Rear RH
P10
Power Window Control
SW Rear LH
P 9
Power Window Control SW
(Front Passenger Side)
DOWN
UP
AUTO
WL
E
Under the Right
Center Pillar
Under the Left
Center Pillar
Left Kick
Panel
RRD
RRU
RRA
RLD
RLU
RLA
WL
FLA
FLD
FLU
IL2
IM1
IM2
BC1
IC1
IC3
BA1
IA1
IA2
CB
CE
BV
BU
BR
BQ
IJ

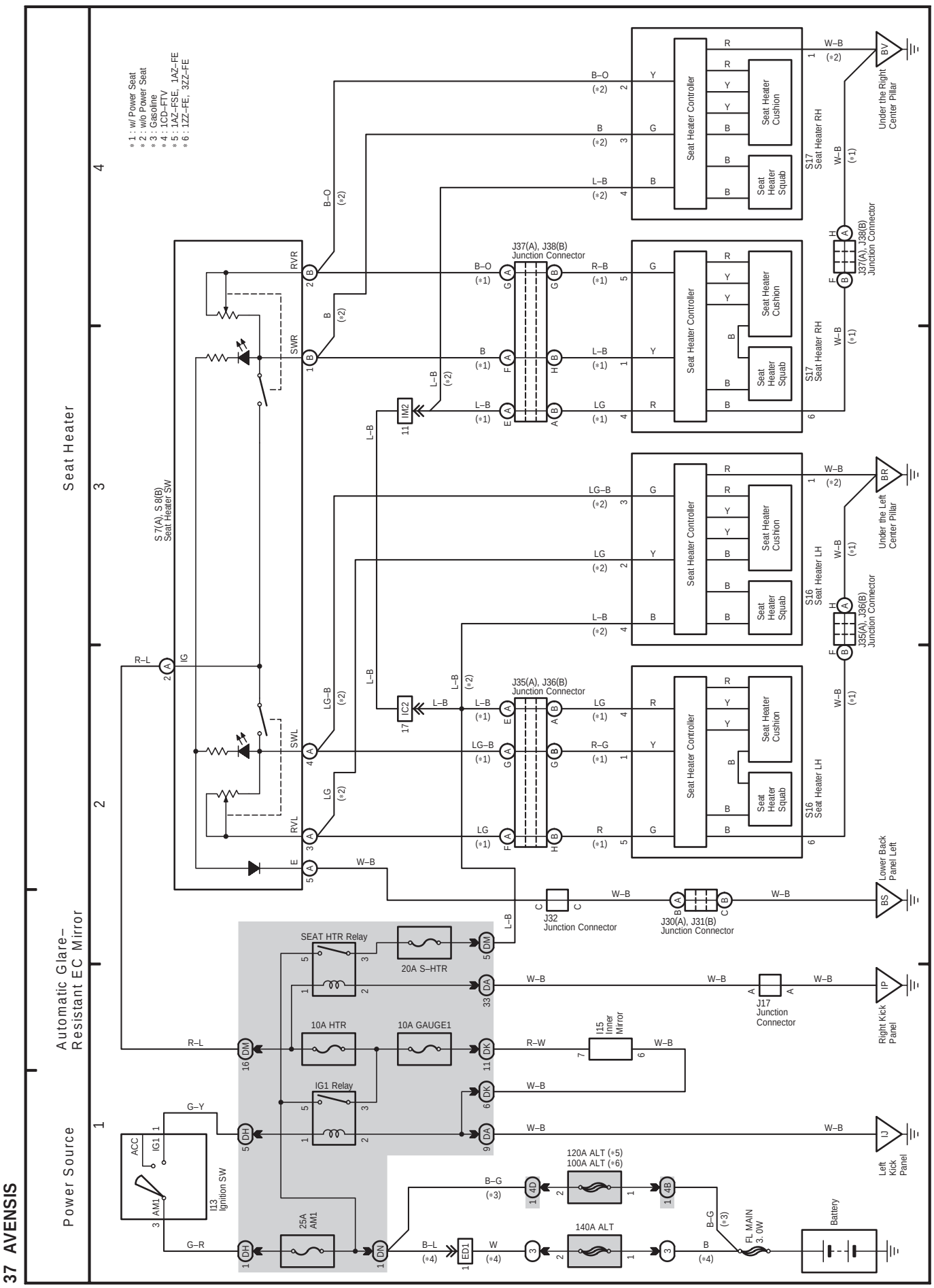
http://vnx.su


Mirror Heater
Front Window Deicer
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Mirror Heater
* 4 : w/ Front Window Deicer
* 5 : LHD w/ FR DEICER Relay w/o Front Window Deicer
* 6 : RHD w/ FR DEICER Relay
10A MIR HTR
J18(A), J29(B) Junction Connector
M 5 Mirror Heater RH
M 4 Mirror Heater LH
Right Kick Panel
Left Kick Panel
F12 Front Window Deicer
J 2 Junction Connector
Left Side of the Suspension Tower
S10(A), S11(B) Short Connector
Rear Window Defogger SW <36–3>
FR DEICER Relay
Rear Window Defogger Relay <36–4>
Rear Window Defogger SW <36–4>
F20 Front Wiper Deicer SW
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
20A FR DIC
50A AM1 NO. 1
50A AM1 NO. 1
140A ALT

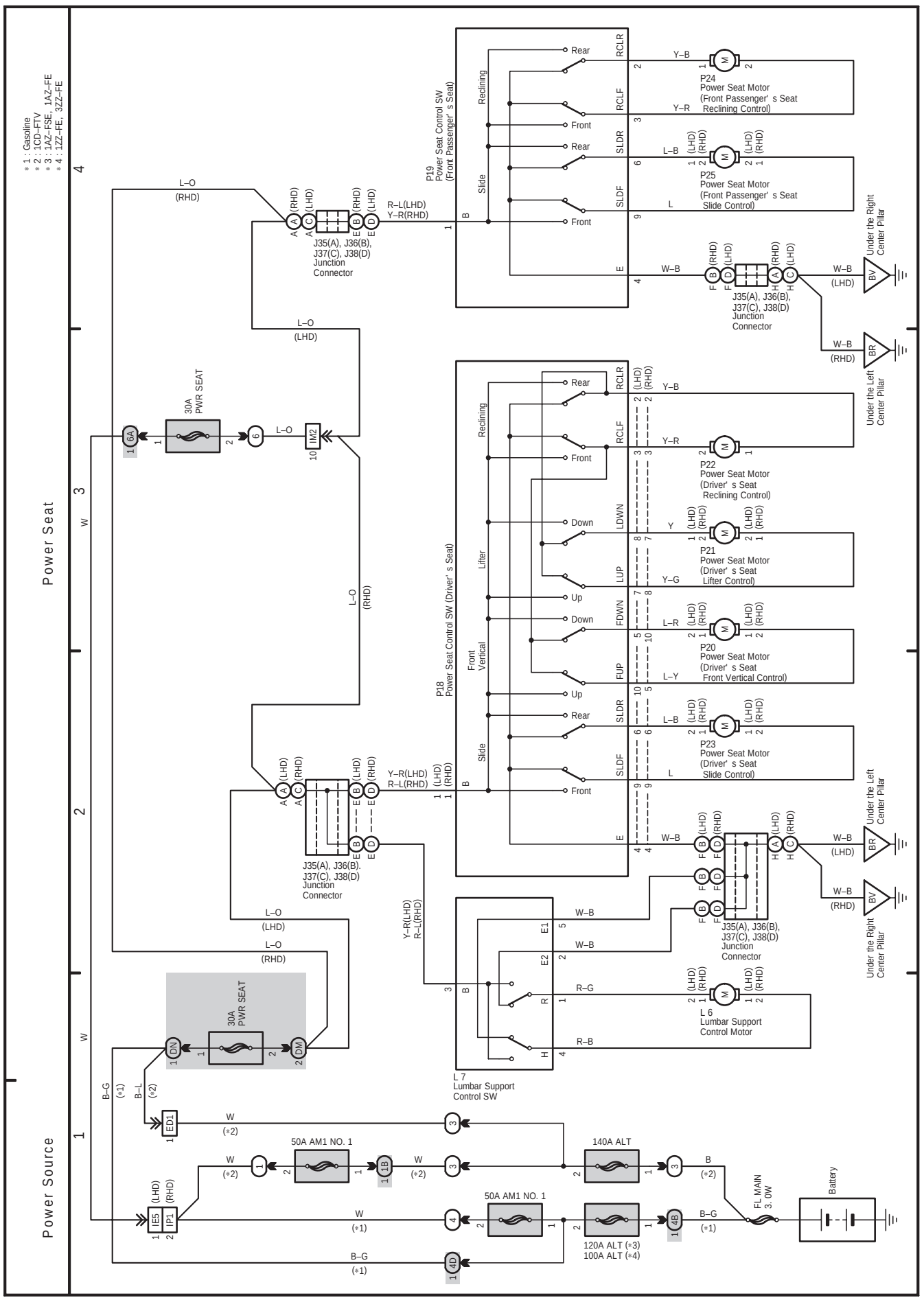
http://vnx.su


Rear Window Defogger
Power Source
F19
Rear Window Defogger SW
R 9
Rear Window
Defogger Relay
FR DEICER Relay
<35–3>
J 6
Junction
Connector
Short Connector
<35–3>
7. 5A DEF I/UP
A/C Control Assembly
<47–6><48–8><49–7>
N 7
Noise Filter (Rear Window Defogger No. 2)
R18(A), R19(B)
Rear Window Defogger
N 6
Noise Filter
(Rear Window Defogger No. 1)
10A GAUGE1
IG1 Relay
25A AM1
I13
Ignition SW
120A ALT
(1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
30A RR DEF
140A ALT
FL MAIN
3. 0W
Battery
J16
Junction
Connector
Behind the
Combination
Meter
Right Kick Panel
Right Side of
the Back Door
Right Quarter Panel
Left Kick Panel
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/o FR DEICER Relay
* 4 : LHD w/ FR DEICER Relay
* 5 : RHD w/ FR DEICER Relay
* 6 : *4 w/o Front Window Deicer

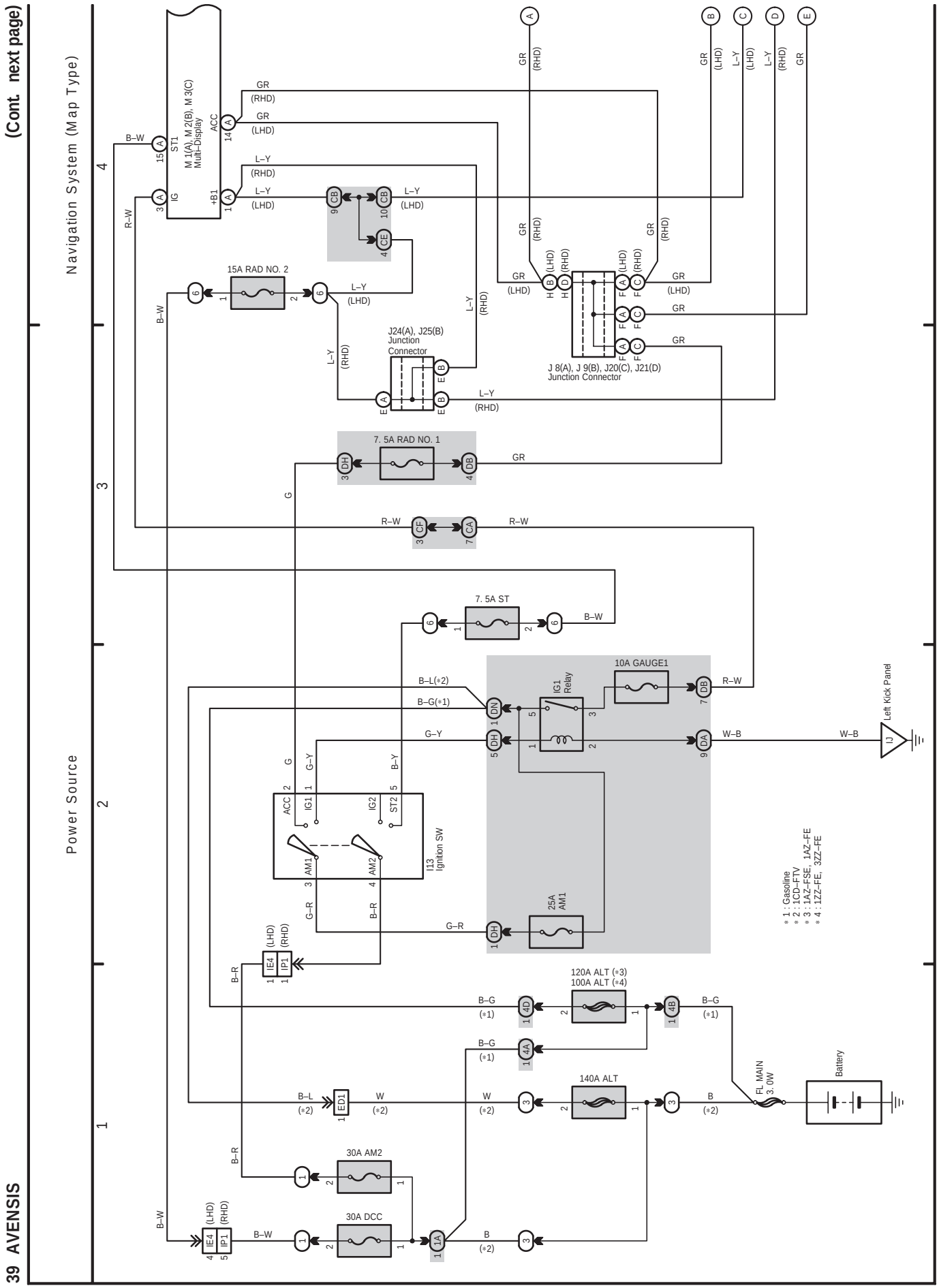
http://vnx.su


37 AVENSIS
Power Source
Automatic Glare–Resistant EC Mirror
Seat Heater
*1 : w/ Power Seat
*2 : w/o Power Seat
*3 : Gasoline
*4 : 1CD–FTV
*5 : 1AZ–FSE, 1AZ–FE
*6 : 1ZZ–FE, 3ZZ–FE
S7(A), S8(B) Seat Heater SW
I13 Ignition SW
SEAT HTR Relay
IG1 Relay
10A HTR
10A GAUGE1
20A S–HTR
25A AM1
120A ALT (*5) 100A ALT (*6)
140A ALT
Battery
FL MAIN 3.0W
I15 Inner Mirror
J32 Junction Connector
J30(A), J31(B) Junction Connector
J17 Junction Connector
J35(A), J36(B) Junction Connector
J37(A), J38(B) Junction Connector
S16 Seat Heater LH
S17 Seat Heater RH
Seat Heater Controller
Seat Heater Cushion
Seat Heater Squab
Under the Right Center Pillar
Under the Left Center Pillar
Lower Back Panel Left
Right Kick Panel
Left Kick Panel

http://vnx.su

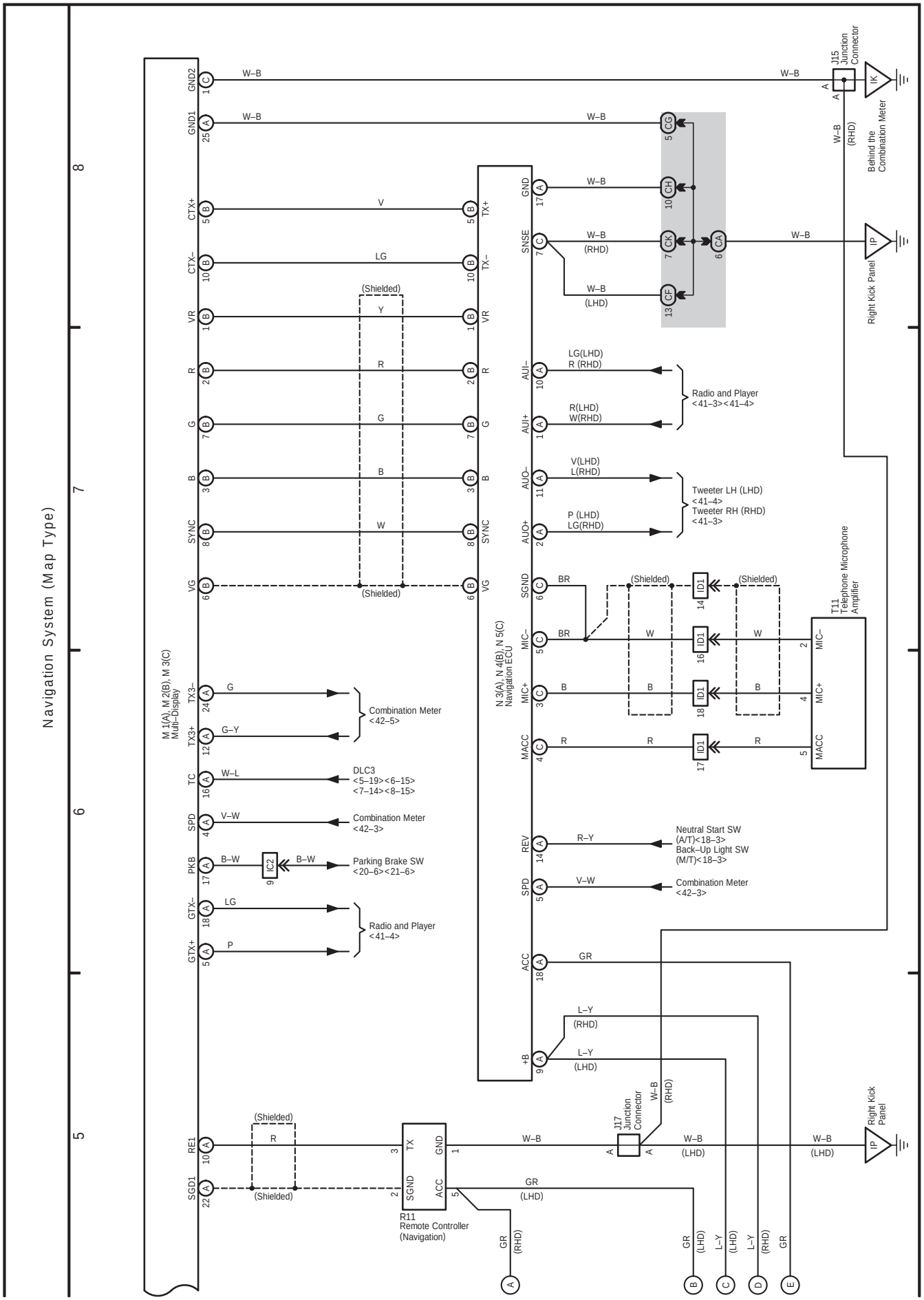

38 AVENSIS
Power Source
Power Seat
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
P19
Power Seat Control SW
(Front Passenger' s Seat)
P18
Power Seat Control SW (Driver' s Seat)
Reclining
Slide
Front Vertical
Lifter
Rear
Front
Up
Down
RCLR
RCLF
SLDR
SLDF
LDWN
LUP
FDWN
FUP
P24
Power Seat Motor
(Front Passenger' s Seat
Reclining Control)
P25
Power Seat Motor
(Front Passenger' s Seat
Slide Control)
P22
Power Seat Motor
(Driver' s Seat
Reclining Control)
P21
Power Seat Motor
(Driver' s Seat
Lifter Control)
P20
Power Seat Motor
(Driver' s Seat
Front Vertical Control)
P23
Power Seat Motor
(Driver' s Seat
Slide Control)
L 6
Lumbar Support
Control Motor
L 7
Lumbar Support
Control SW
J35(A), J36(B),
J37(C), J38(D)
Junction
Connector
J35(A), J36(B).
J37(C), J38(D)
Junction
Connector
Under the Right
Center Pillar
Under the Left
Center Pillar
30A
PWR SEAT
50A AM1 NO. 1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3. 0W
Battery
L–O
(RHD)
L–O
(LHD)
R–L(LHD)
Y–R(RHD)
Y–R(LHD)
R–L(RHD)
W–B
Y–B
Y–R
L–B
L–R
L–Y
Y–G
R–G
R–B
B–G
B–L
W
B

http://vnx.su

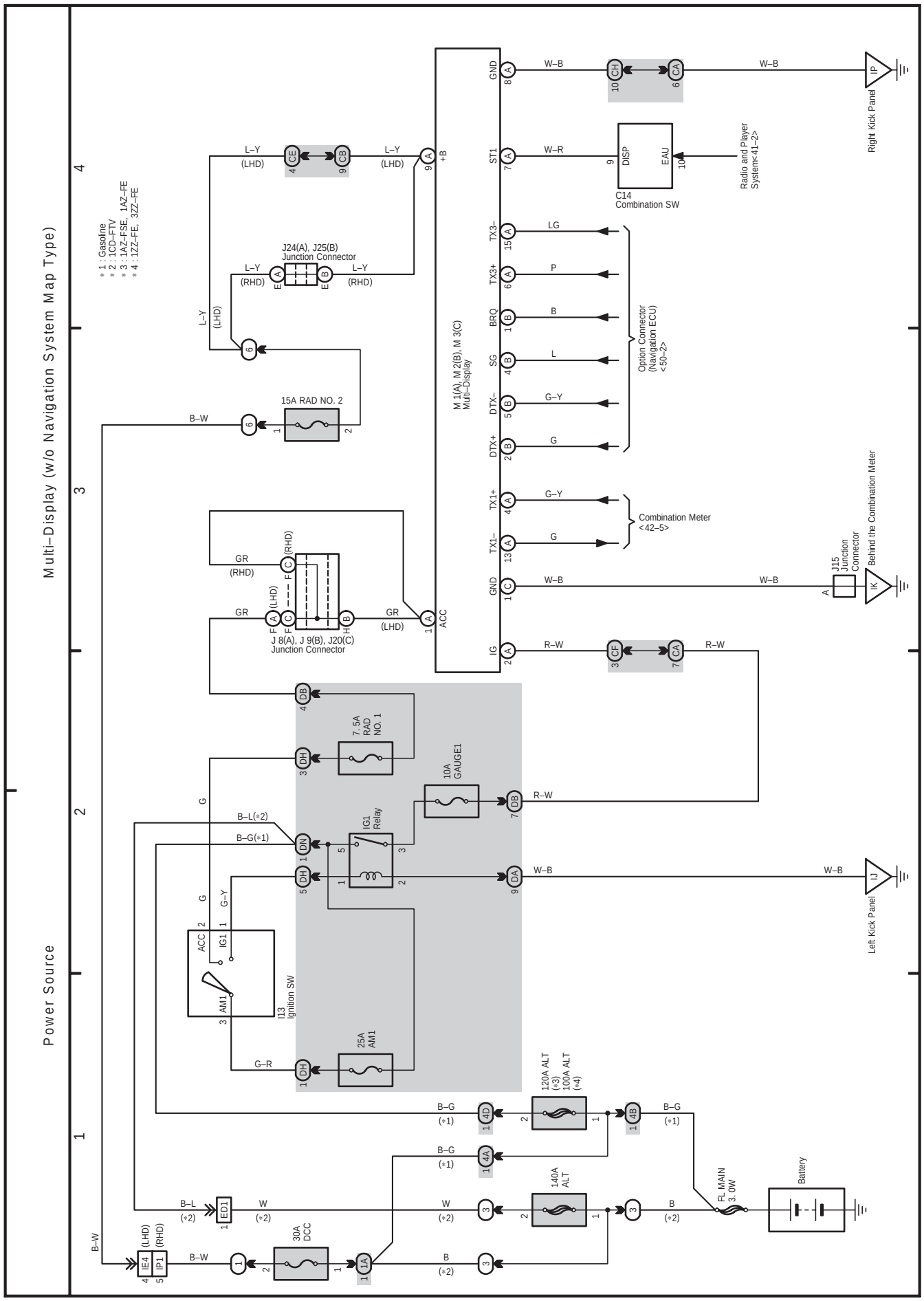

(Cont next page)
Navigation System (Map Type)
Power Source
M 1(A), M 2(B), M 3(C)
Multi–Display
ST1
ACC
IG
+B1
15A RAD NO. 2
7. 5A RAD NO. 1
7. 5A ST
J24(A), J25(B)
Junction
Connector
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
10A GAUGE1
IG1
Relay
I13
Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
25A
AM1
Left Kick Panel
120A ALT (*3)
100A ALT (*4)
140A ALT
30A AM2
30A DCC
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE

http://vnx.su

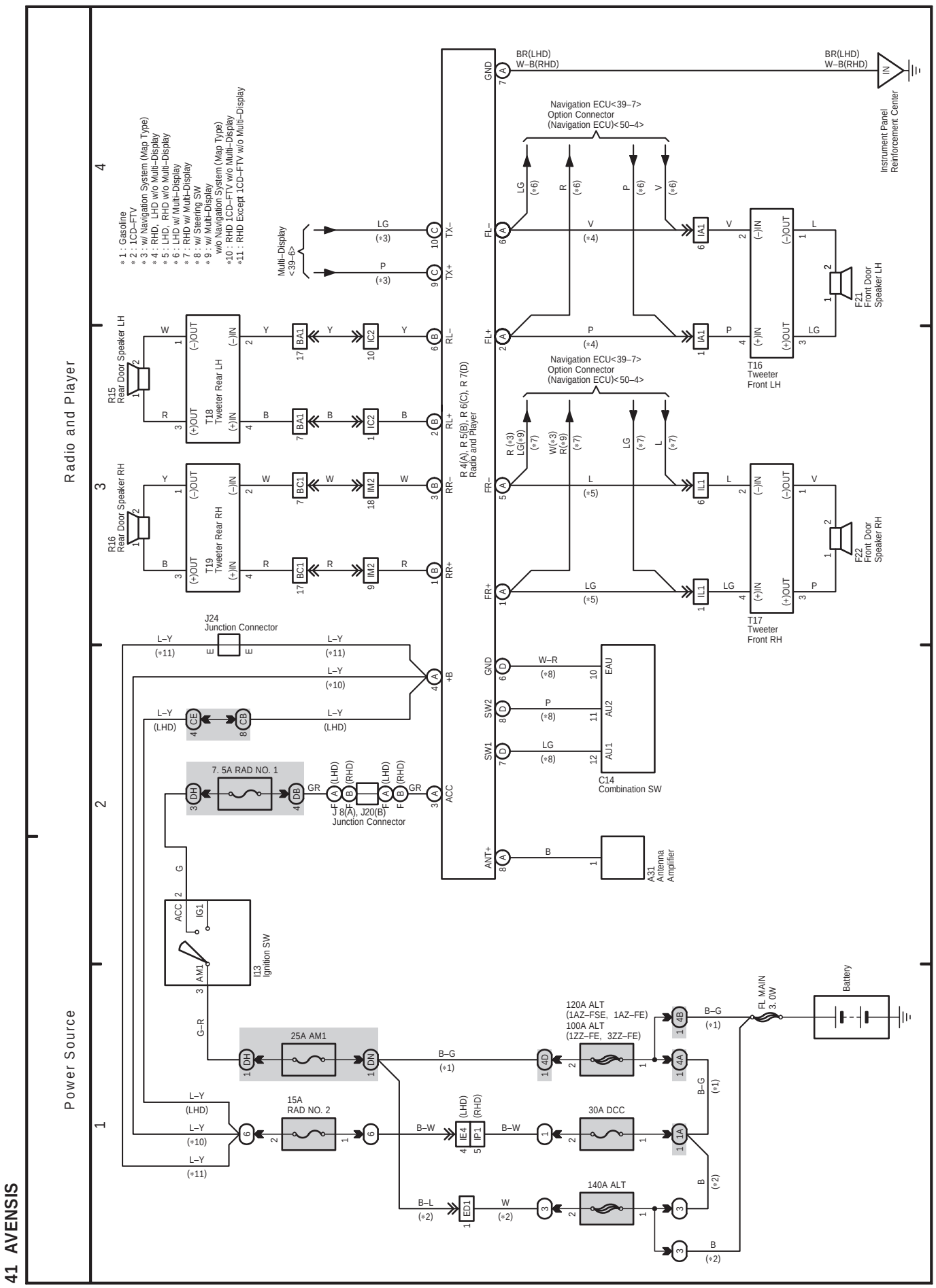
39 AVENSIS (Cont' d)



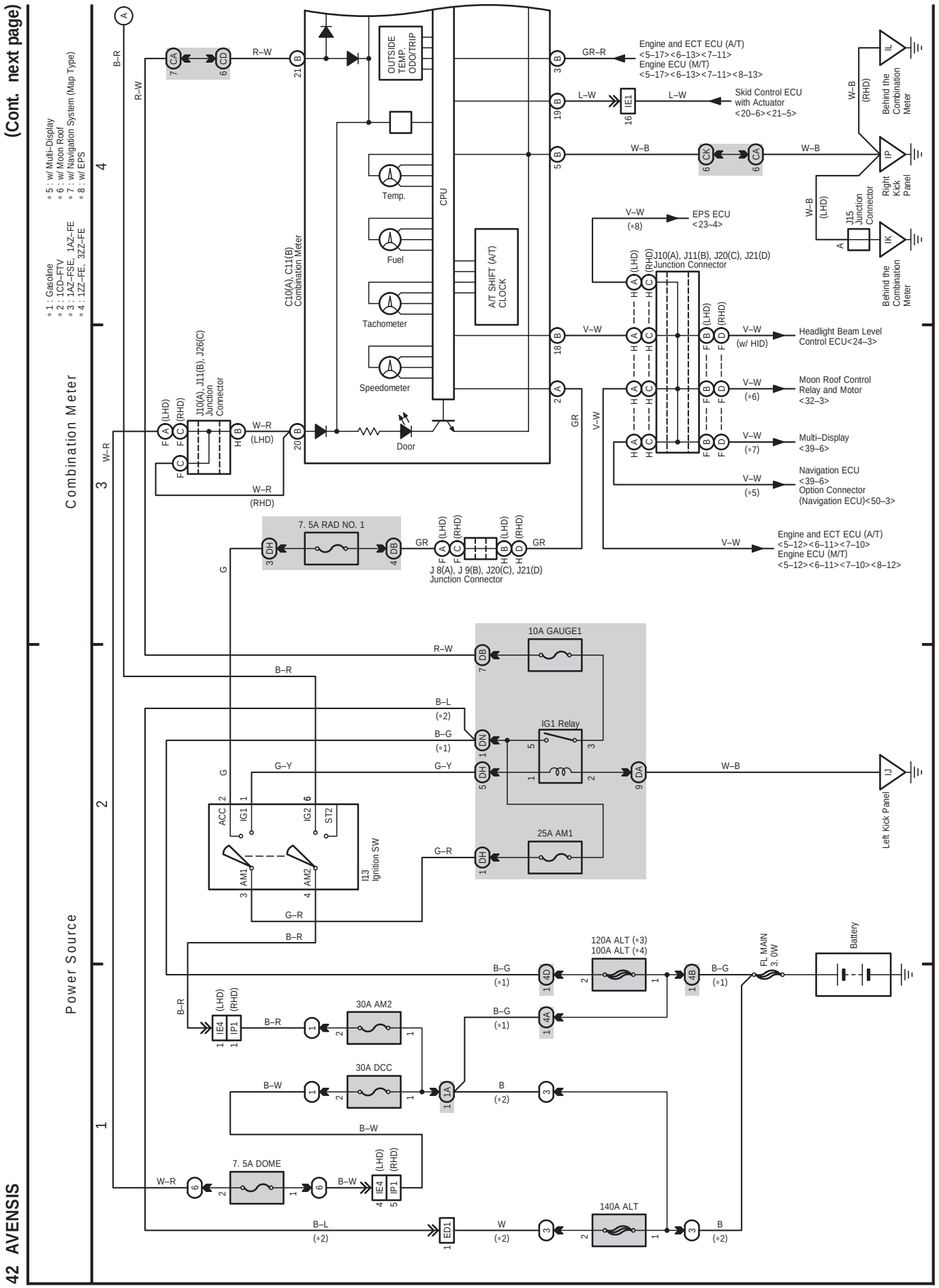
http://vnx.su


Multi–Display (w/o Navigation System Map Type)
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
M 1(A), M 2(B), M 3(C)
Multi–Display
GND
+B
ST1
TX3–
TX3+
BRQ
SG
DTX–
DTX+
TX1+
TX1–
IG
ACC
Option Connector
(Navigation ECU)
<50–2>
Combination Meter
<42–5>
C14
Combination SW
DISP
EAU
Radio and Player
System<41–2>
Right Kick Panel
Left Kick Panel
Behind the Combination Meter
J15
Junction
Connector
J24(A), J25(B)
Junction Connector
J 8(A), J 9(B), J20(C)
Junction Connector
15A RAD NO. 2
7.5A
RAD
NO. 1
10A
GAUGE1
IG1
Relay
I13
Ignition SW
25A
AM1
120A ALT
(*3)
100A ALT
(*4)
140A
ALT
30A
DCC
FL MAIN
3. 0W
Battery

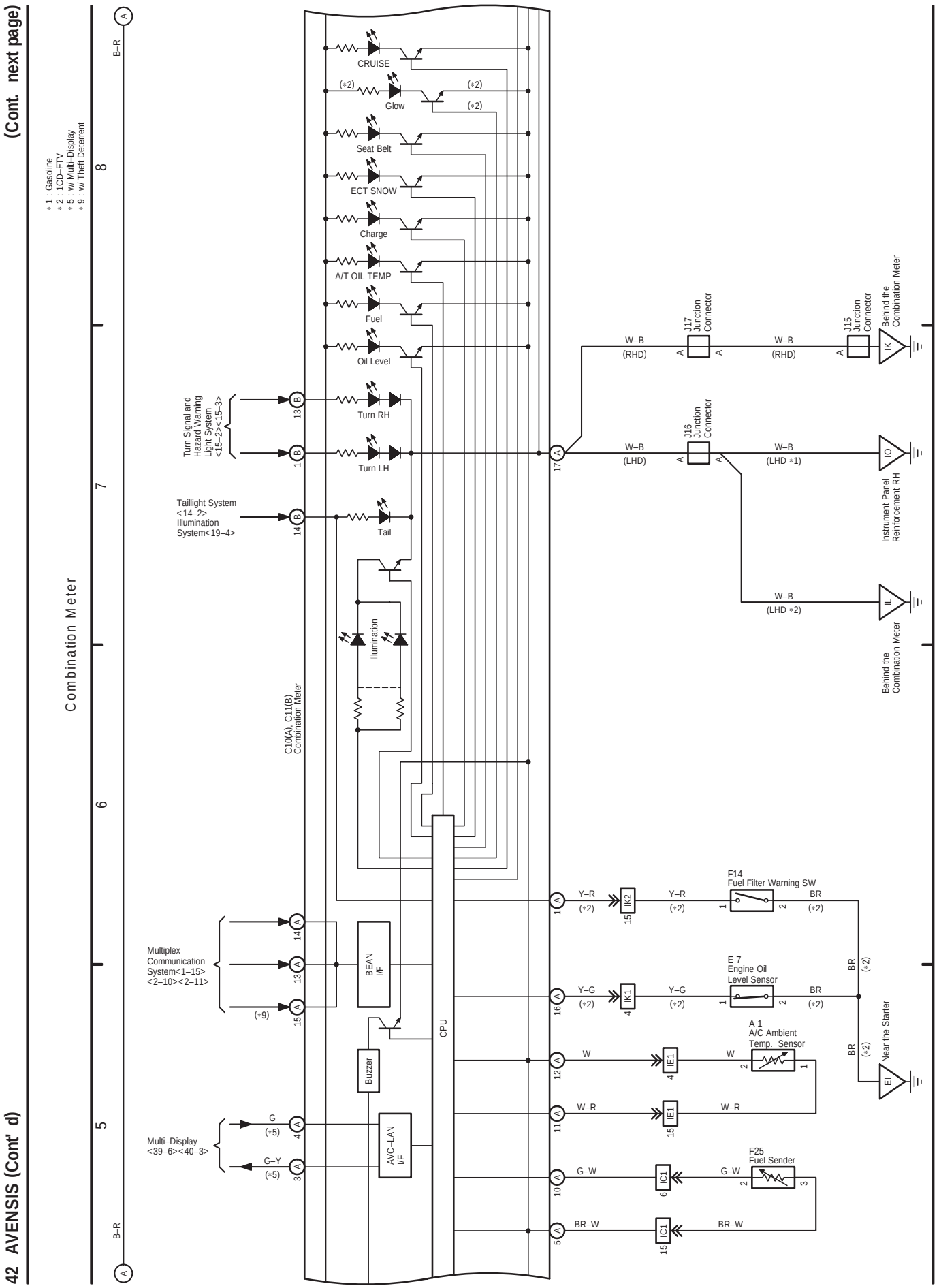
http://vnx.su


41 AVENSIS
Power Source
Radio and Player
1
2
3
4
*1 : Gasoline
*2 : 1CD–FTV
*3 : w/ Navigation System (Map Type)
*4 : RHD, LHD w/o Multi–Display
*5 : LHD, RHD w/o Multi–Display
*6 : LHD w/ Multi–Display
*7 : RHD w/ Multi–Display
*8 : w/ Steering SW
*9 : w/ Multi–Display w/o Navigation System (Map Type)
*10 : RHD 1CD–FTV w/o Multi–Display
*11 : RHD Except 1CD–FTV w/o Multi–Display
Multi–Display <39–6>
R15 Rear Door Speaker LH
R16 Rear Door Speaker RH
T18 Tweeter Rear LH
T19 Tweeter Rear RH
R 4(A), R 5(B), R 6(C), R 7(D) Radio and Player
Navigation ECU<39–7> Option Connector (Navigation ECU)<50–4>
T16 Tweeter Front LH
T17 Tweeter Front RH
F21 Front Door Speaker LH
F22 Front Door Speaker RH
BR(LHD) W–B(RHD)
Instrument Panel Reinforcement Center
J24 Junction Connector
J 8(A), J20(B) Junction Connector
7. 5A RAD NO. 1
15A RAD NO. 2
25A AM1
30A DCC
120A ALT (1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN 3. 0W
Battery
I13 Ignition SW
C14 Combination SW
A31 Antenna Amplifier

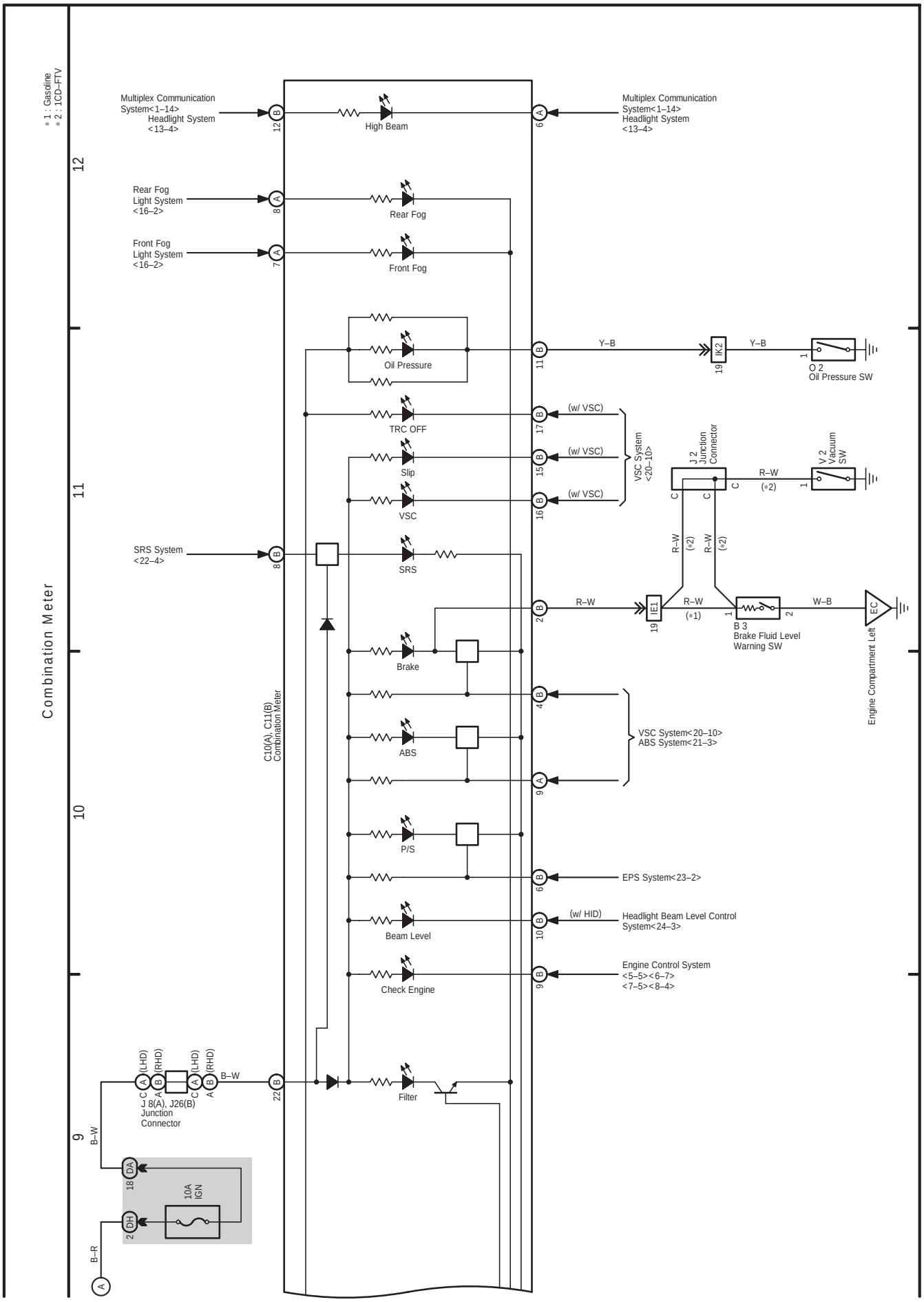
http://vnx.su


(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : w/ EPS
Combination Meter
Power Source
OUTSIDE TEMP ODO/TRIP
CPU
Temp.
Fuel
Tachometer
Speedometer
Door
A/T SHIFT (A/T) CLOCK
C10(A), C11(B) Combination Meter
Engine and ECT ECU (A/T) <5–17><6–13><7–11> Engine ECU (M/T) <5–17><6–13><7–11><8–13>
Skid Control ECU with Actuator <20–6><21–5>
EPS ECU <23–4>
J10(A), J11(B), J20(C), J21(D) Junction Connector
Headlight Beam Level Control ECU<24–3>
Moon Roof Control Relay and Motor <32–3>
Multi–Display <39–6>
Navigation ECU <39–6> Option Connector (Navigation ECU)<50–3>
Engine and ECT ECU (A/T) <5–12><6–11><7–10> Engine ECU (M/T) <5–12><6–11><7–10><8–12>
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J10(A), J11(B), J26(C) Junction Connector
Behind the Combination Meter
Right Kick Panel
J15 Junction Connector
Left Kick Panel
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (*3) 100A ALT (*4)
140A ALT
30A AM2
30A DCC
7. 5A DOME
FL MAIN 3. 0W
Battery

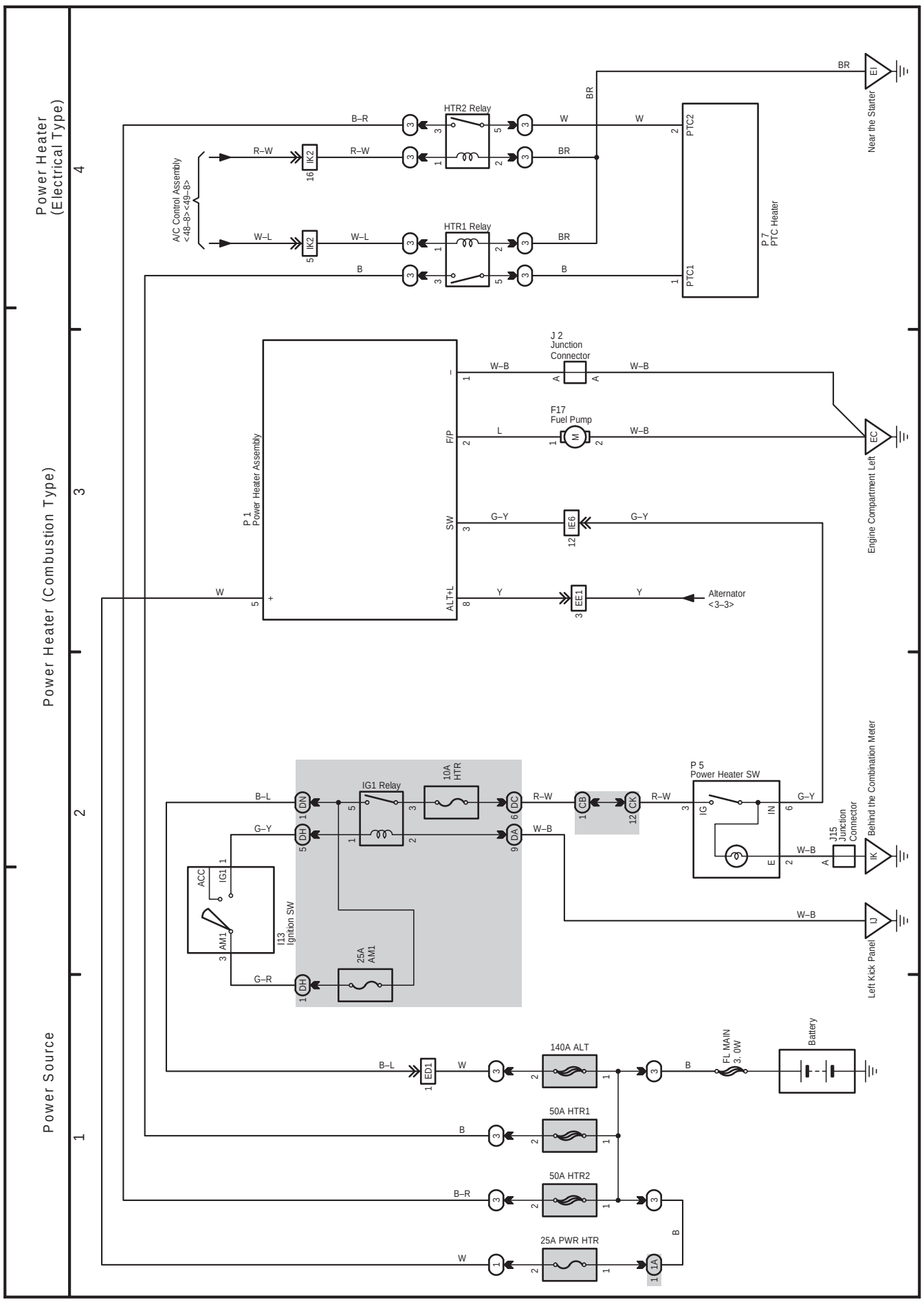
http://vnx.su


(Cont. next page)
42 AVENSIS (Cont' d)
* 1 : Gasoline
* 2 : 1CD–FTV
* 5 : w/ Multi–Display
* 9 : w/ Theft Deterrent
Combination Meter
CRUISE
Glow
Seat Belt
ECT SNOW
Charge
A/T OIL TEMP
Fuel
Oil Level
Turn RH
Turn LH
Tail
Illumination
Turn Signal and Hazard Warning Light System <15–2><15–3>
Taillight System <14–2> Illumination System<19–4>
C10(A), C11(B) Combination Meter
CPU
BEAN I/F
AVC–LAN I/F
Buzzer
Multiplex Communication System<1–15><2–10><2–11>
Multi–Display <39–6><40–3>
J17 Junction Connector
J15 Junction Connector
J16 Junction Connector
Behind the Combination Meter
Instrument Panel Reinforcement RH
F14 Fuel Filter Warning SW
E 7 Engine Oil Level Sensor
A 1 A/C Ambient Temp. Sensor
F25 Fuel Sender
Near the Starter
W–B (RHD)
W–B (LHD)
W–B (LHD *1)
W–B (LHD *2)
Y–R
Y–G
W
W–R
G–W
BR–W
G
G–Y
BR
B–R

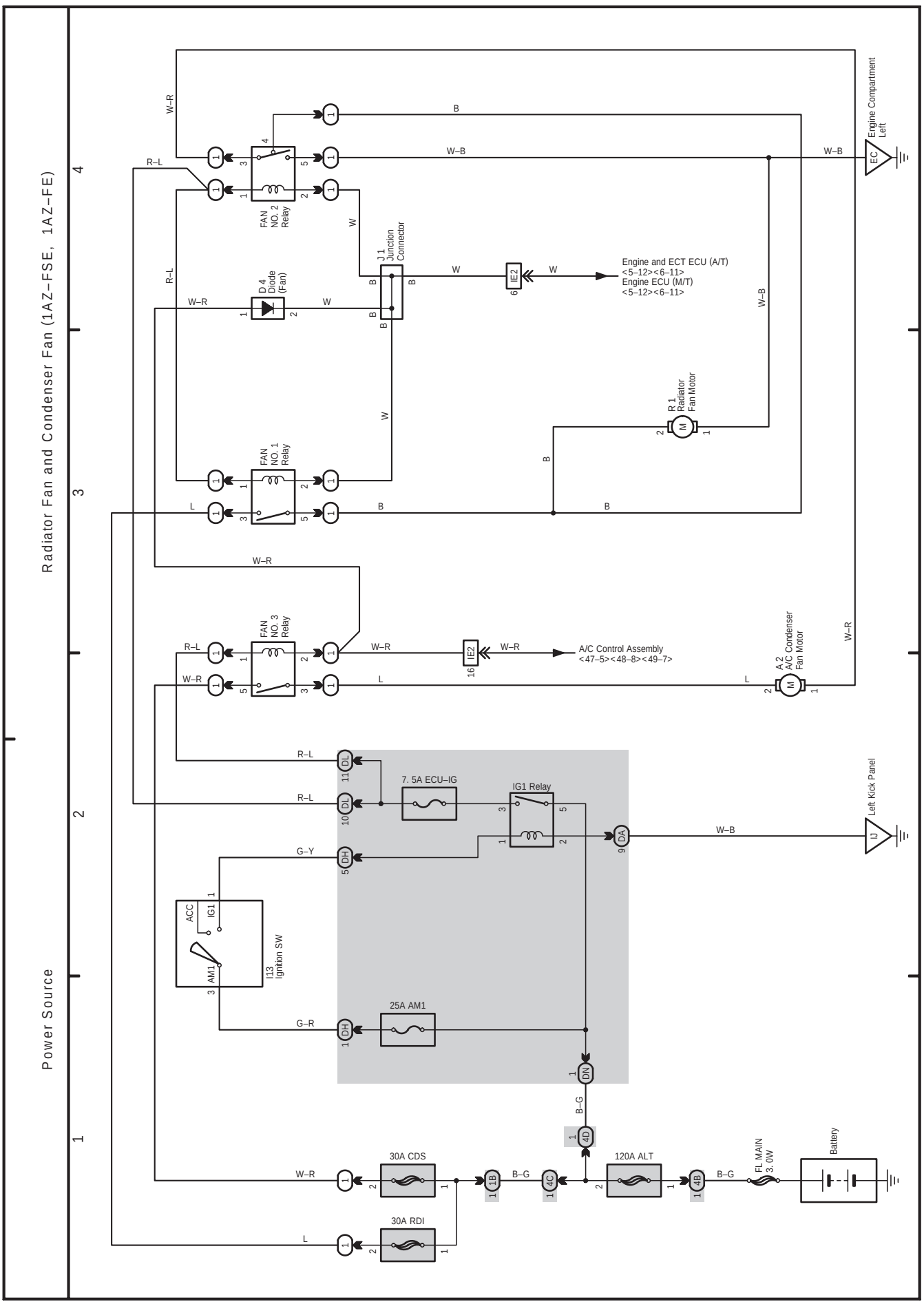
http://vnx.su


* 1 : Gasoline
* 2 : 1CD–FTV
Combination Meter
12
11
10
9
Multiplex Communication System<1–14>
Headlight System <13–4>
High Beam
Rear Fog Light System <16–2>
Rear Fog
Front Fog Light System <16–2>
Front Fog
Oil Pressure
Y–B
IK2
O 2 Oil Pressure SW
TRC OFF
Slip
VSC
(w/ VSC)
VSC System <20–10>
J 2 Junction Connector
V 2 Vacuum SW
R–W
(*2)
SRS System <22–4>
SRS
IE1
(*1)
B 3 Brake Fluid Level Warning SW
W–B
EC
Engine Compartment Left
Brake
ABS
VSC System<20–10>
ABS System<21–3>
C10(A), C11(B) Combination Meter
P/S
EPS System<23–2>
Beam Level
(w/ HID)
Headlight Beam Level Control System<24–3>
Check Engine
Engine Control System
<5–5><6–7>
<7–5><8–4>
Filter
B–W
J 8(A), J26(B) Junction Connector
(LHD)
(RHD)
10A IGN
B–R

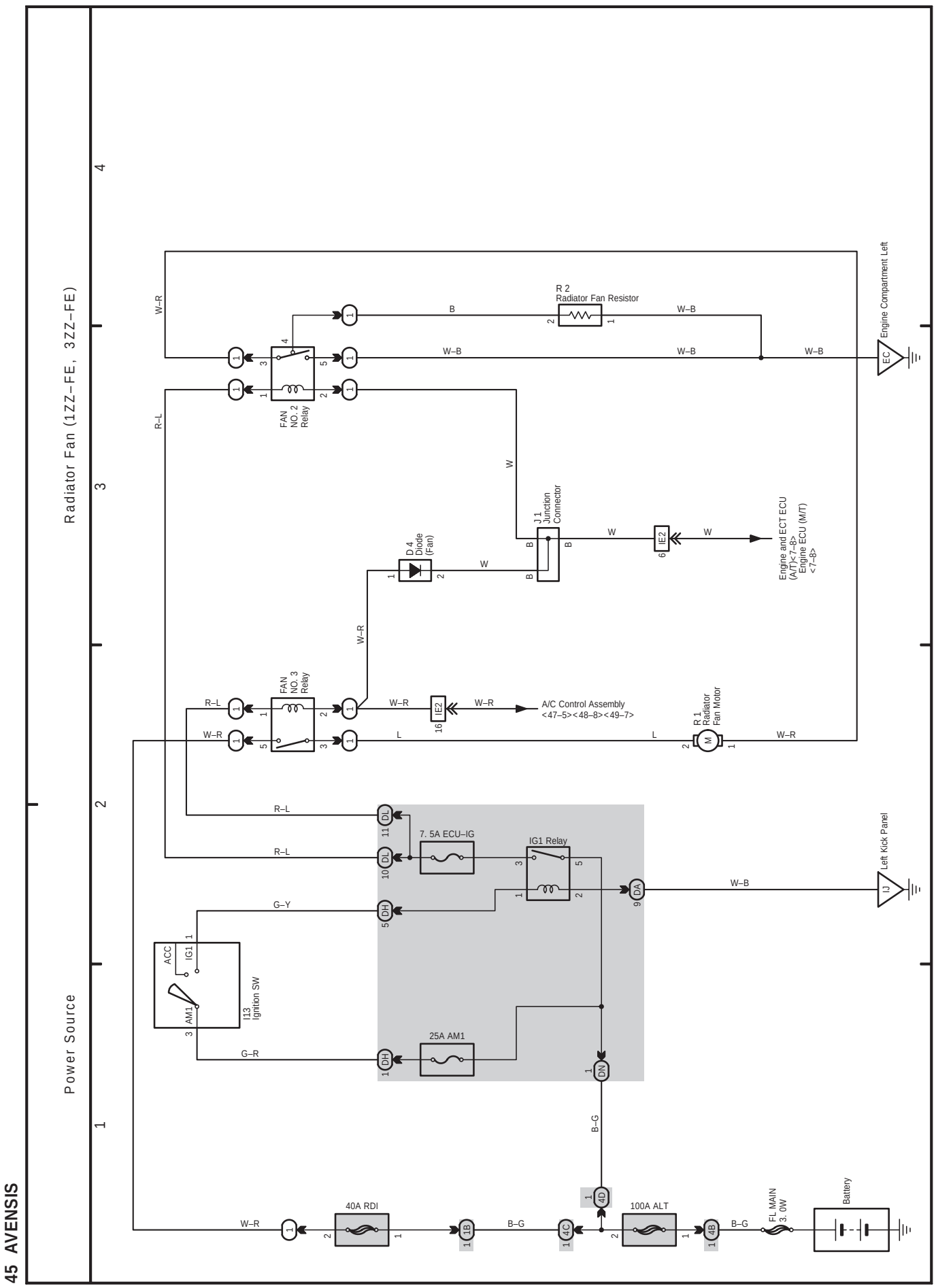
http://vnx.su


Power Heater (Electrical Type)
Power Heater (Combustion Type)
Power Source
1
2
3
4
HTR2 Relay
HTR1 Relay
A/C Control Assembly
<48–8> <49–8>
IK2
PTC2
PTC1
P 7
PTC Heater
BR
Near the Starter
EI
J 2
Junction
Connector
F17
Fuel Pump
EC
Engine Compartment Left
P 1
Power Heater Assembly
IE6
EE1
Alternator
<3–3>
P 5
Power Heater SW
J15
Junction
Connector
Behind the Combination Meter
IK
IJ
Left Kick Panel
IG1 Relay
10A
HTR
I13
Ignition SW
ACC
IG1
AM1
25A
AM1
ED1
140A ALT
FL MAIN
3. 0W
Battery
50A HTR1
50A HTR2
25A PWR HTR
1A

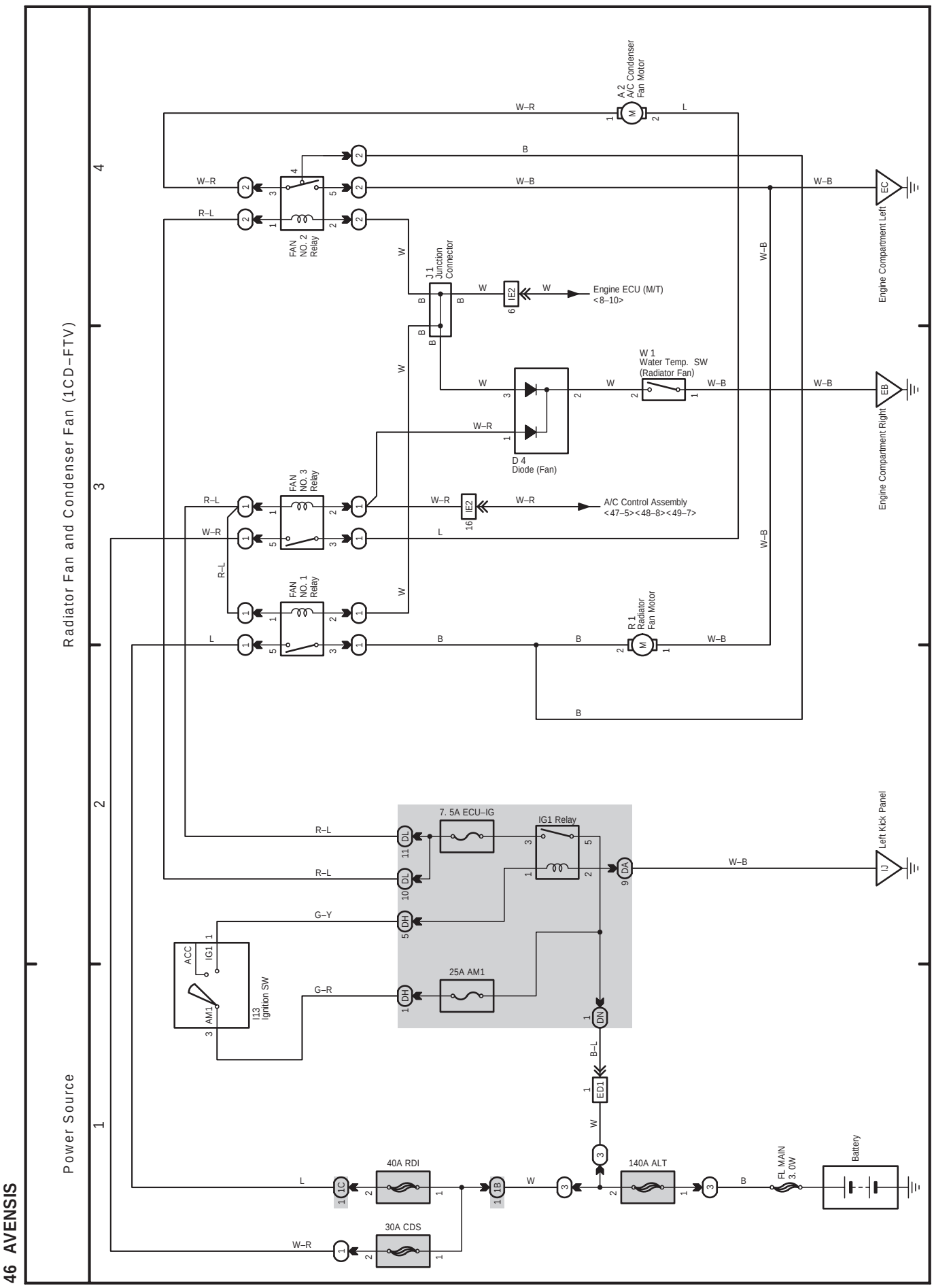
http://vnx.su


Radiator Fan and Condenser Fan (1AZ–FSE, 1AZ–FE)
Power Source
44 AVENSIS
FAN NO. 2 Relay
FAN NO. 1 Relay
FAN NO. 3 Relay
D 4 Diode (Fan)
J 1 Junction Connector
R 1 Radiator Fan Motor
A 2 A/C Condenser Fan Motor
Engine and ECT ECU (A/T) <5–12><6–11> Engine ECU (M/T) <5–12><6–11>
A/C Control Assembly <47–5><48–8><49–7>
Engine Compartment Left
Left Kick Panel
7. 5A ECU–IG
IG1 Relay
25A AM1
I13 Ignition SW
30A CDS
30A RDI
120A ALT
FL MAIN 3. 0W
Battery
W–R
R–L
W
W–B
B
L
G–Y
G–R
B–G

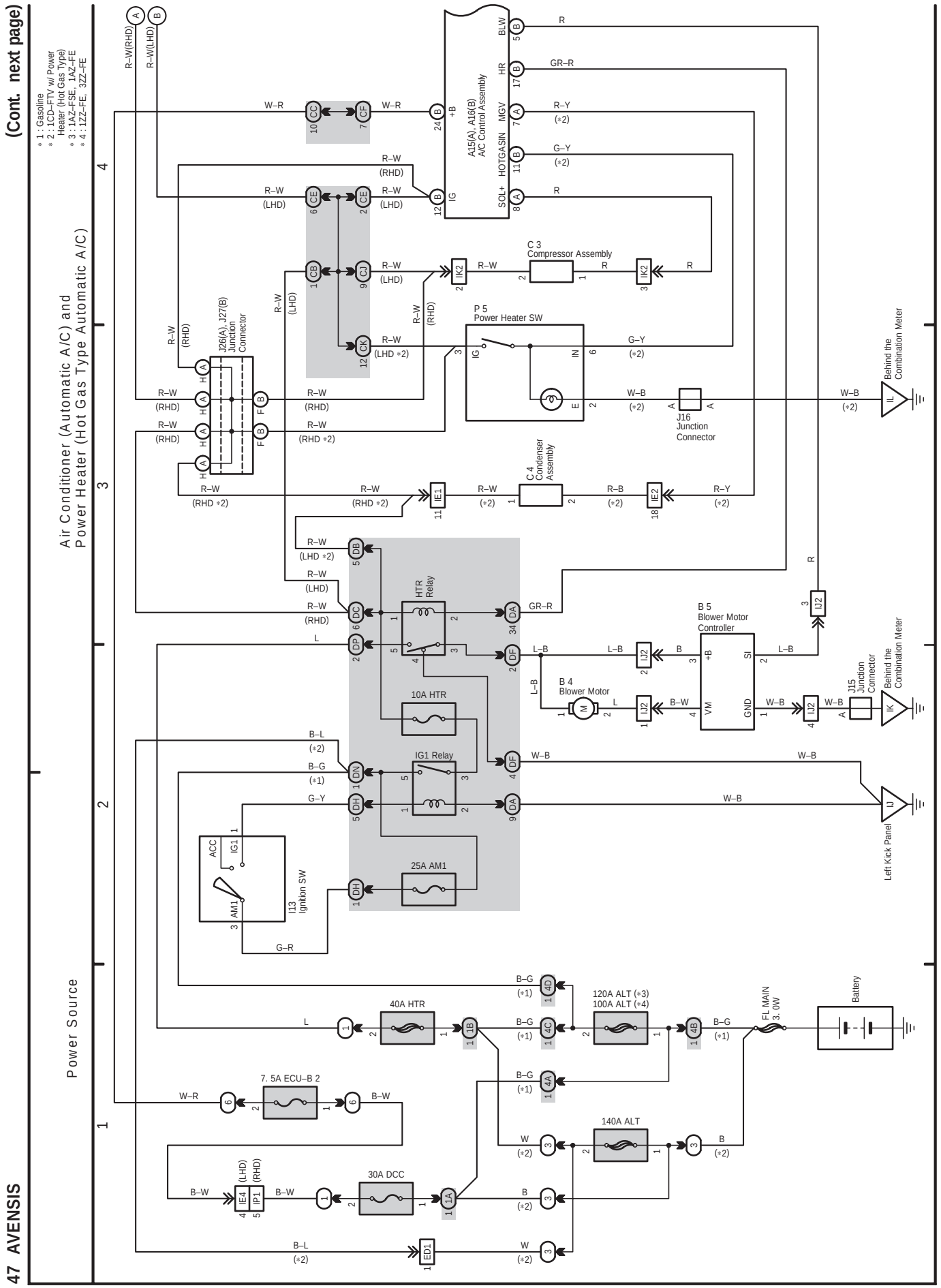
http://vnx.su


45 AVENSIS
Power Source
Radiator Fan (1ZZ–FE, 3ZZ–FE)
1
2
3
4
W–R
R–L
W
B
W–B
R 2
Radiator Fan Resistor
FAN NO. 2 Relay
EC
Engine Compartment Left
J 1
Junction Connector
D 4
Diode (Fan)
IE2
Engine and ECT ECU (A/T)<7–8>
Engine ECU (M/T) <7–8>
FAN NO. 3 Relay
A/C Control Assembly <47–5><48–8><49–7>
R 1
Radiator Fan Motor
M
L
7. 5A ECU–IG
IG1 Relay
DL
DH
DA
DN
G–Y
G–R
ACC
IG1
AM1
I13
Ignition SW
25A AM1
Left Kick Panel
IJ
B–G
40A RDI
100A ALT
4D
1B
4C
4B
FL MAIN 3. 0W
Battery

http://vnx.su

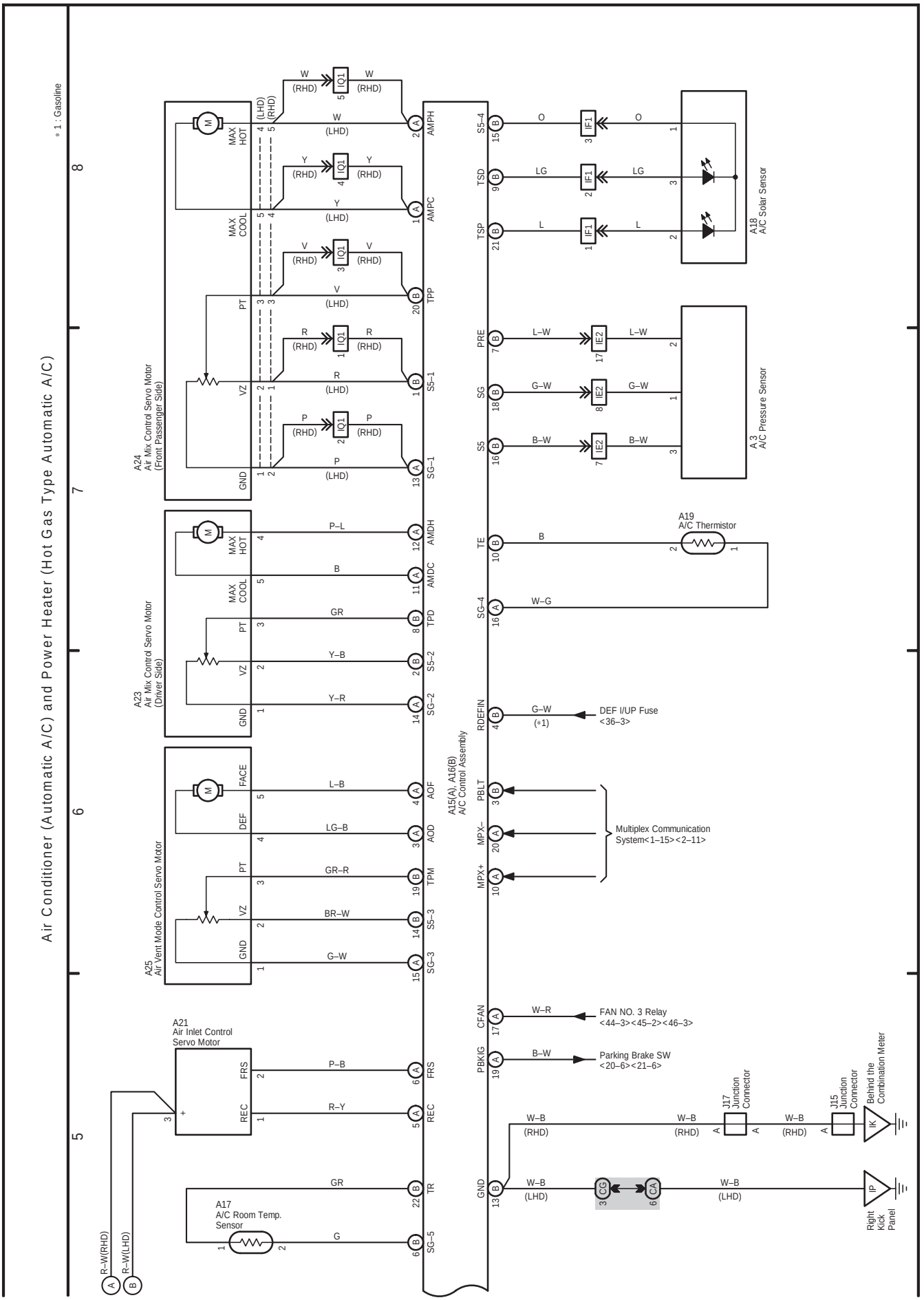

Radiator Fan and Condenser Fan (1CD–FTV)
Power Source
A 2
A/C Condenser Fan Motor
FAN NO. 2 Relay
FAN NO. 3 Relay
FAN NO. 1 Relay
J 1
Junction Connector
IE2
Engine ECU (M/T)
<8–10>
W 1
Water Temp. SW
(Radiator Fan)
D 4
Diode (Fan)
A/C Control Assembly
<47–5><48–8><49–7>
R 1
Radiator Fan Motor
Engine Compartment Left
Engine Compartment Right
Left Kick Panel
7. 5A ECU–IG
IG1 Relay
25A AM1
I13
Ignition SW
ACC
IG1
AM1
40A RDI
30A CDS
140A ALT
FL MAIN
3. 0W
Battery
W–R
R–L
W–B
B
L
W
G–Y
G–R
B–L

http://vnx.su

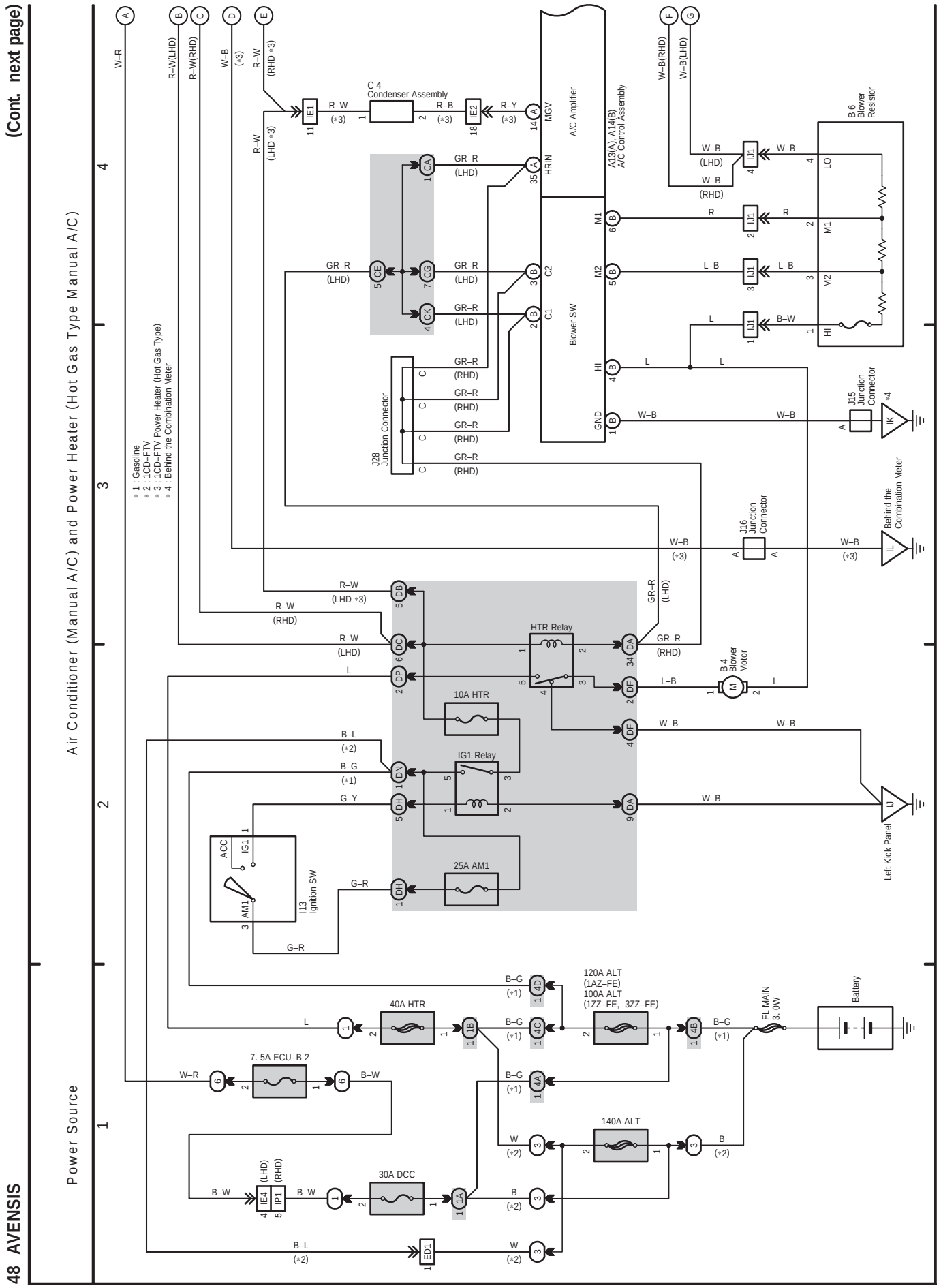

(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV w/ Power Heater (Hot Gas Type)
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)
Power Source
A15(A), A16(B) A/C Control Assembly
C 3 Compressor Assembly
P 5 Power Heater SW
J26(A), J27(B) Junction Connector
J16 Junction Connector
C 4 Condenser Assembly
HTR Relay
10A HTR
IG1 Relay
25A AM1
I13 Ignition SW
B 5 Blower Motor Controller
B 4 Blower Motor
J15 Junction Connector
Behind the Combination Meter
Left Kick Panel
40A HTR
120A ALT (*3)
100A ALT (*4)
140A ALT
30A DCC
7. 5A ECU–B 2
FL MAIN
Battery
47 AVENSIS

http://vnx.su

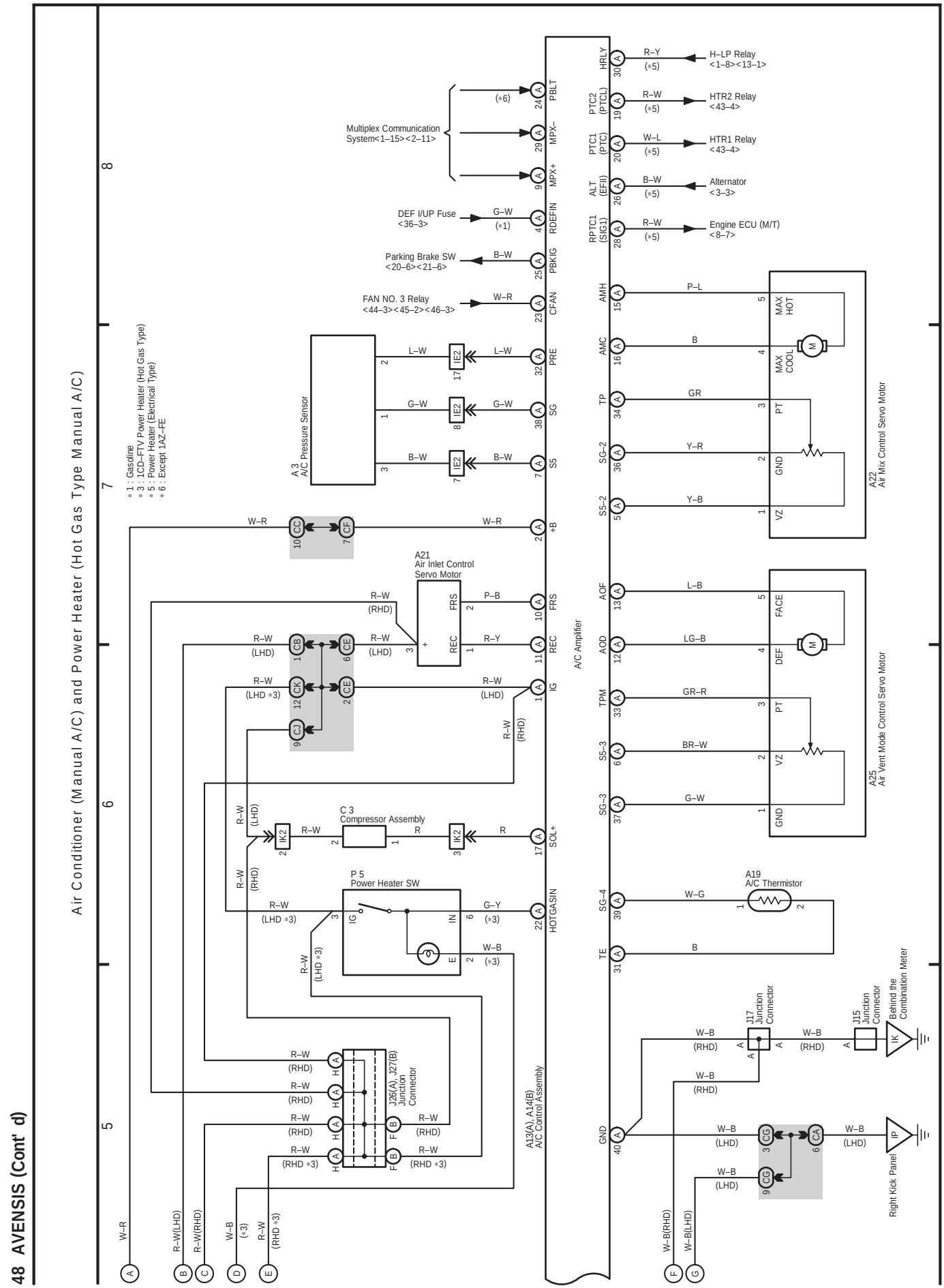
47 AVENSIS (Cont' d)



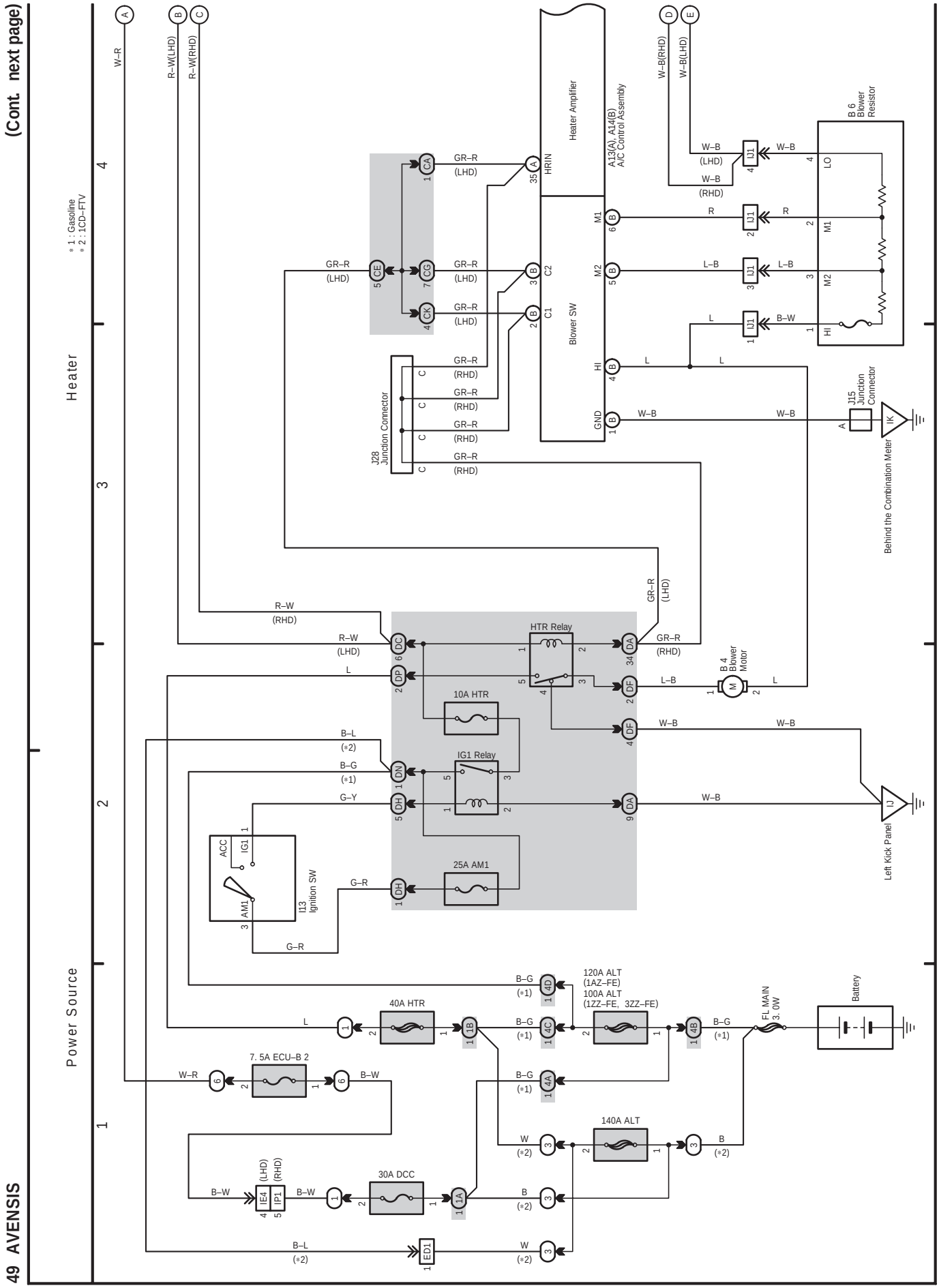
http://vnx.su


(Cont. next page)
Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)
Power Source
48 AVENSIS
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1CD–FTV Power Heater (Hot Gas Type)
* 4 : Behind the Combination Meter
C 4 Condenser Assembly
A/C Amplifier
A13(A), A14(B) A/C Control Assembly
Blower SW
B 6 Blower Resistor
B 4 Blower Motor
J28 Junction Connector
J15 Junction Connector
J16 Junction Connector
Behind the Combination Meter
Left Kick Panel
HTR Relay
IG1 Relay
10A HTR
25A AM1
40A HTR
7. 5A ECU–B 2
30A DCC
120A ALT (1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN 3. 0W
Battery
I13 Ignition SW
ACC
IG1
AM1

http://vnx.su

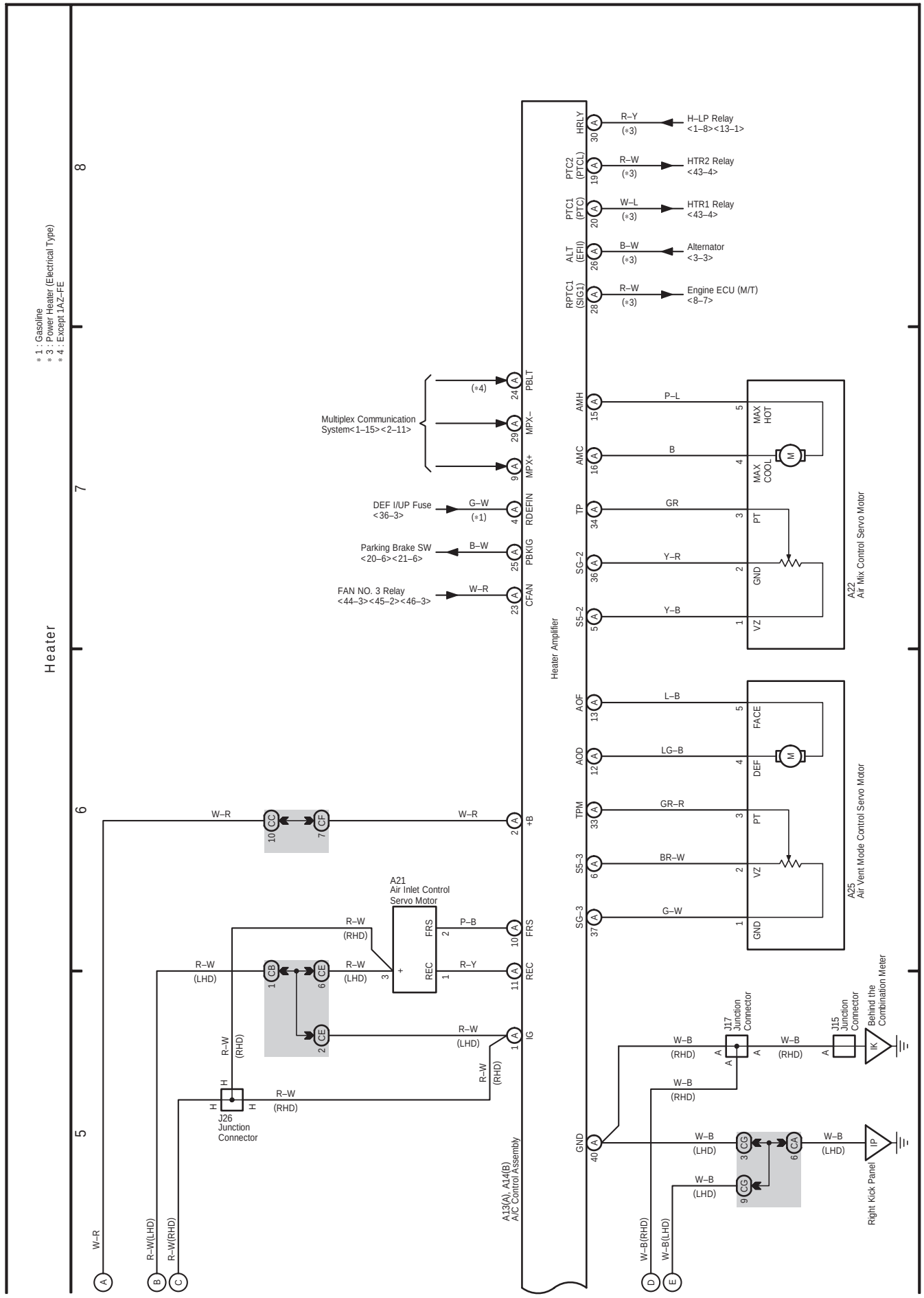

48 AVENSIS (Cont' d)
Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)
* 1 : Gasoline
* 3 : 1CD-FTV Power Heater (Hot Gas Type)
* 5 : Power Heater (Electrical Type)
* 6 : Except 1AZ-FE
A/C Amplifier
A13(A), A14(B)
A/C Control Assembly
A 3
A/C Pressure Sensor
A21
Air Inlet Control
Servo Motor
C 3
Compressor Assembly
P 5
Power Heater SW
A19
A/C Thermistor
A22
Air Mix Control Servo Motor
A25
Air Vent Mode Control Servo Motor
J26(A), J27(B)
Junction
Connector
J17
Junction
Connector
J15
Junction
Connector
Behind the
Combination Meter
Right Kick Panel
Multiplex Communication
System<1–15><2–11>
DEF I/UP Fuse
<36–3>
Parking Brake SW
<20–6><21–6>
FAN NO. 3 Relay
<44–3><45–2><46–3>
H–LP Relay
<1–8><13–1>
HTR2 Relay
<43–4>
HTR1 Relay
<43–4>
Alternator
<3–3>
Engine ECU (M/T)
<8–7>
HRLY
PTC2 (PTCL)
PTC1 (PTC)
ALT (EFII)
RPTC1 (SIG1)
PBLT
MPX–
MPX+
RDEFIN
PBKIG
CFAN
PRE
SG
S5
+B
FRS
REC
IG
SOL+
HOTGASIN
AMH
AMC
TP
SG–2
S5–2
AOF
AOD
TPM
S5–3
SG–3
SG–4
TE
GND
MAX HOT
MAX COOL
PT
GND
VZ
FACE
DEF
W–R
R–W(LHD)
R–W(RHD)
W–B
(*3)
R–W
(RHD *3)
W–B(RHD)
W–B(LHD)

http://vnx.su

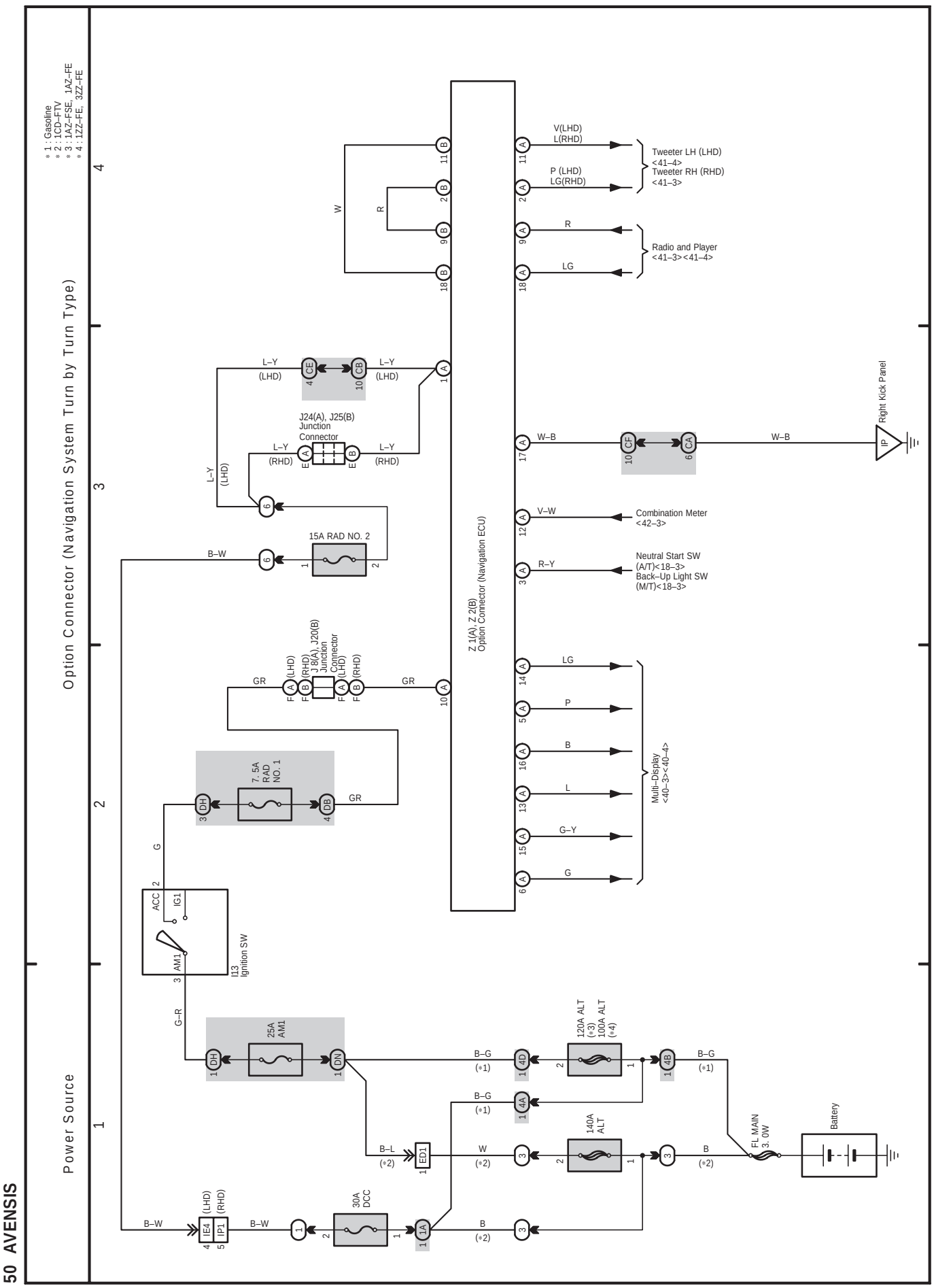

(Cont next page)
Heater
Power Source
49 AVENSIS
*1 : Gasoline
*2 : 1CD–FTV
Heater Amplifier
A13(A), A14(B)
A/C Control Assembly
Blower SW
HRIN
B 6
Blower
Resistor
J28
Junction Connector
J15
Junction
Connector
Behind the Combination Meter
B 4
Blower
Motor
HTR Relay
10A HTR
IG1 Relay
25A AM1
I13
Ignition SW
ACC
IG1
AM1
Left Kick Panel
120A ALT
(1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
40A HTR
7. 5A ECU–B 2
140A ALT
30A DCC
FL MAIN
3. 0W
Battery
R–W(LHD)
R–W(RHD)
W–R
W–B(RHD)
W–B(LHD)
GR–R
(LHD)
GR–R
(RHD)
R–W
(LHD)
R–W
(RHD)
L
R
L–B
B–W
W–B
B–L
(*2)
B–G
(*1)
G–Y
G–R
W
(*2)
B
(*2)

http://vnx.su

49 AVENSIS (Cont' d)



http://vnx.su


*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
Option Connector (Navigation System Turn by Turn Type)
Power Source
Z 1(A), Z 2(B)
Option Connector (Navigation ECU)
V(LHD)
L(RHD)
Tweeter LH (LHD)
<41–4>
Tweeter RH (RHD)
<41–3>
P (LHD)
LG(RHD)
R
Radio and Player
<41–3><41–4>
LG
W
R
L–Y
(LHD)
L–Y
(RHD)
J24(A), J25(B)
Junction
Connector
W–B
Right Kick Panel
V–W
Combination Meter
<42–3>
R–Y
Neutral Start SW
(A/T)<18–3>
Back–Up Light SW
(M/T)<18–3>
15A RAD NO. 2
B–W
J 8(A), J20(B)
Junction
Connector
GR
LG
P
B
L
G–Y
G
Multi–Display
<40–3><40–4>
7. 5A
RAD
NO. 1
G
ACC
IG1
AM1
I13
Ignition SW
G–R
25A
AM1
120A ALT
(*3)
100A ALT
(*4)
B–G
(*1)
B–L
(*2)
W
(*2)
140A
ALT
B
(*2)
FL MAIN
3. 0W
Battery
30A
DCC
IE4
IP1
(LHD)
(RHD)

http://vnx.su