



RICH

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● **Workshop Manual**

Power Supply, Ground and Circuit Elements

RCHWD2H/1/1

Power Supply, Ground and Circuit Elements

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Power Supply, Ground and Circuit Elements

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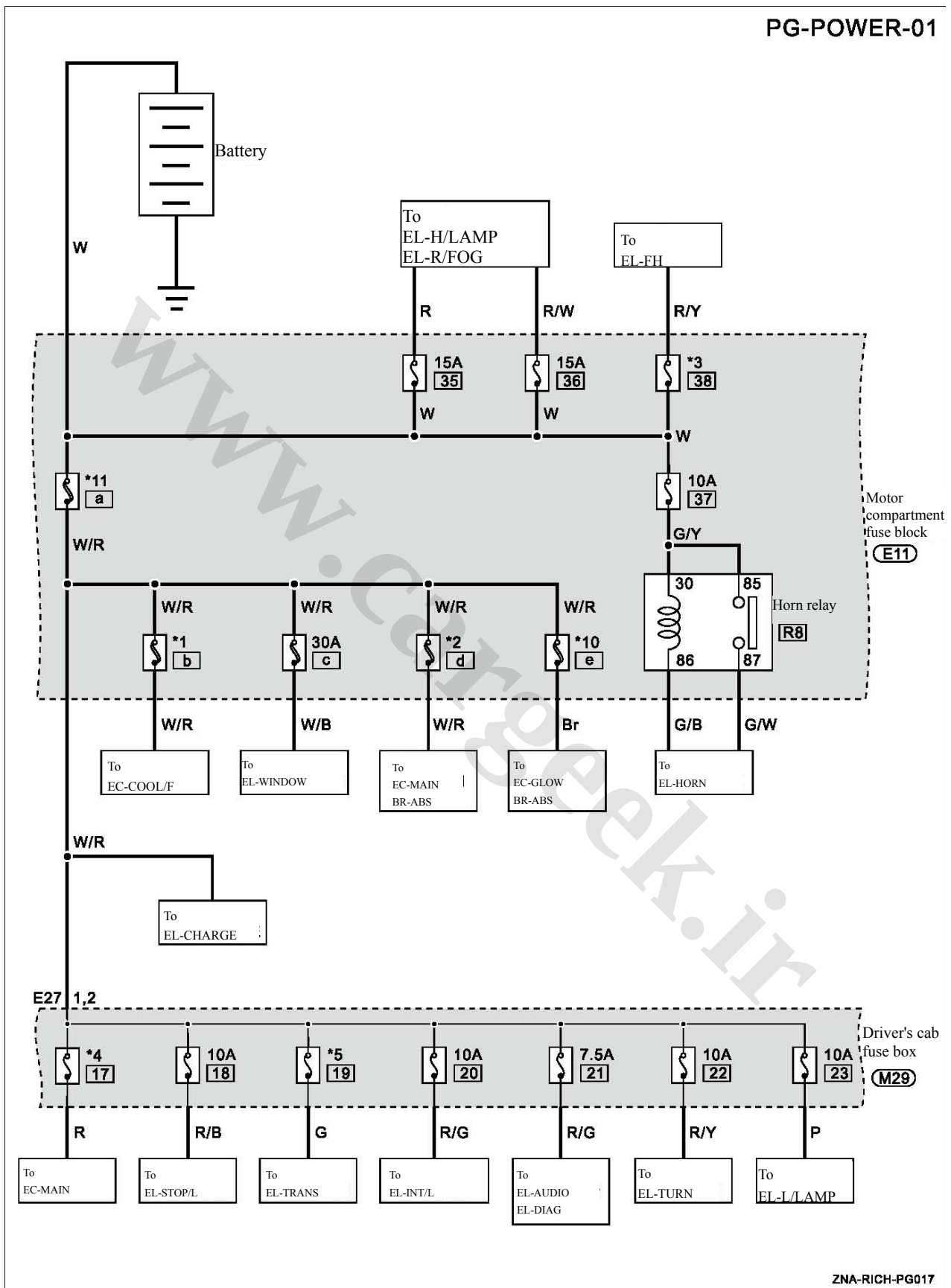
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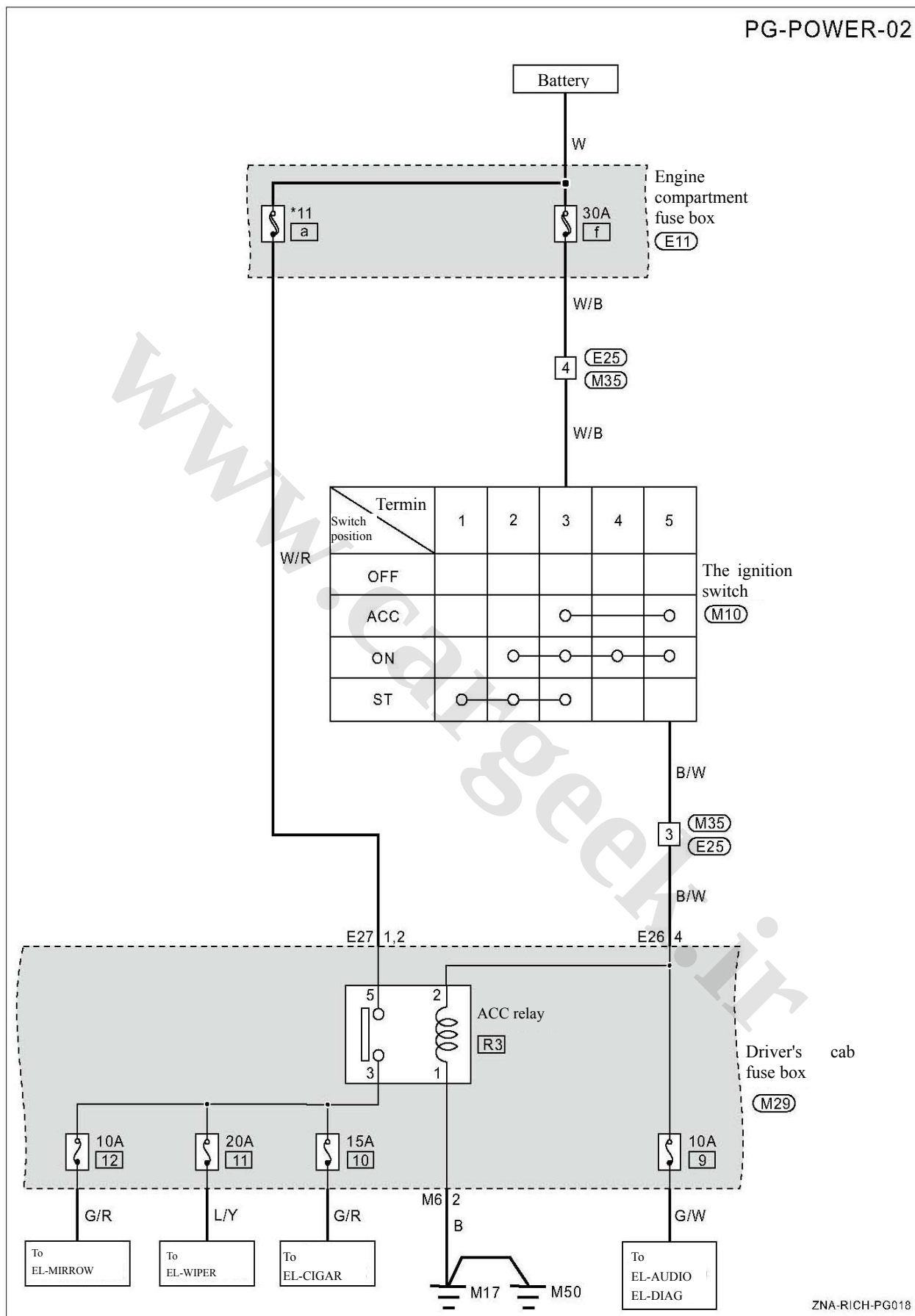
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Power supply circuit

Battery power supply - the ignition switch in any position

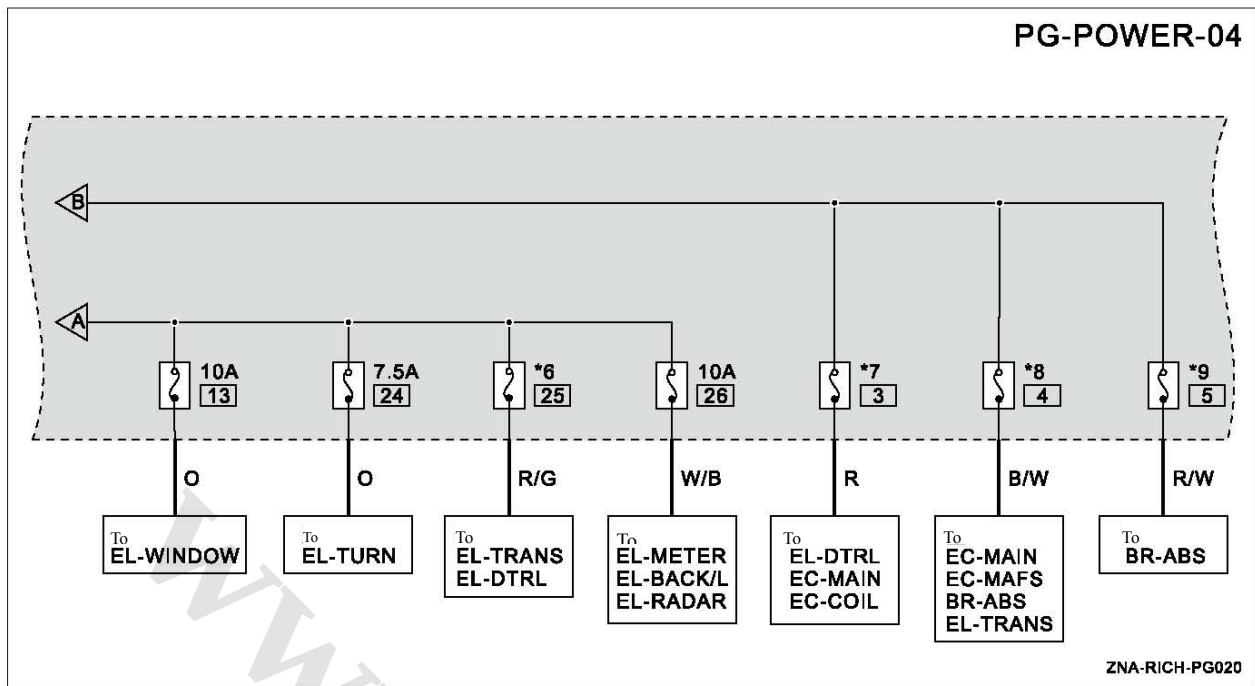


Accessory power supply - the ignition switch on "ACC" or "ON" position



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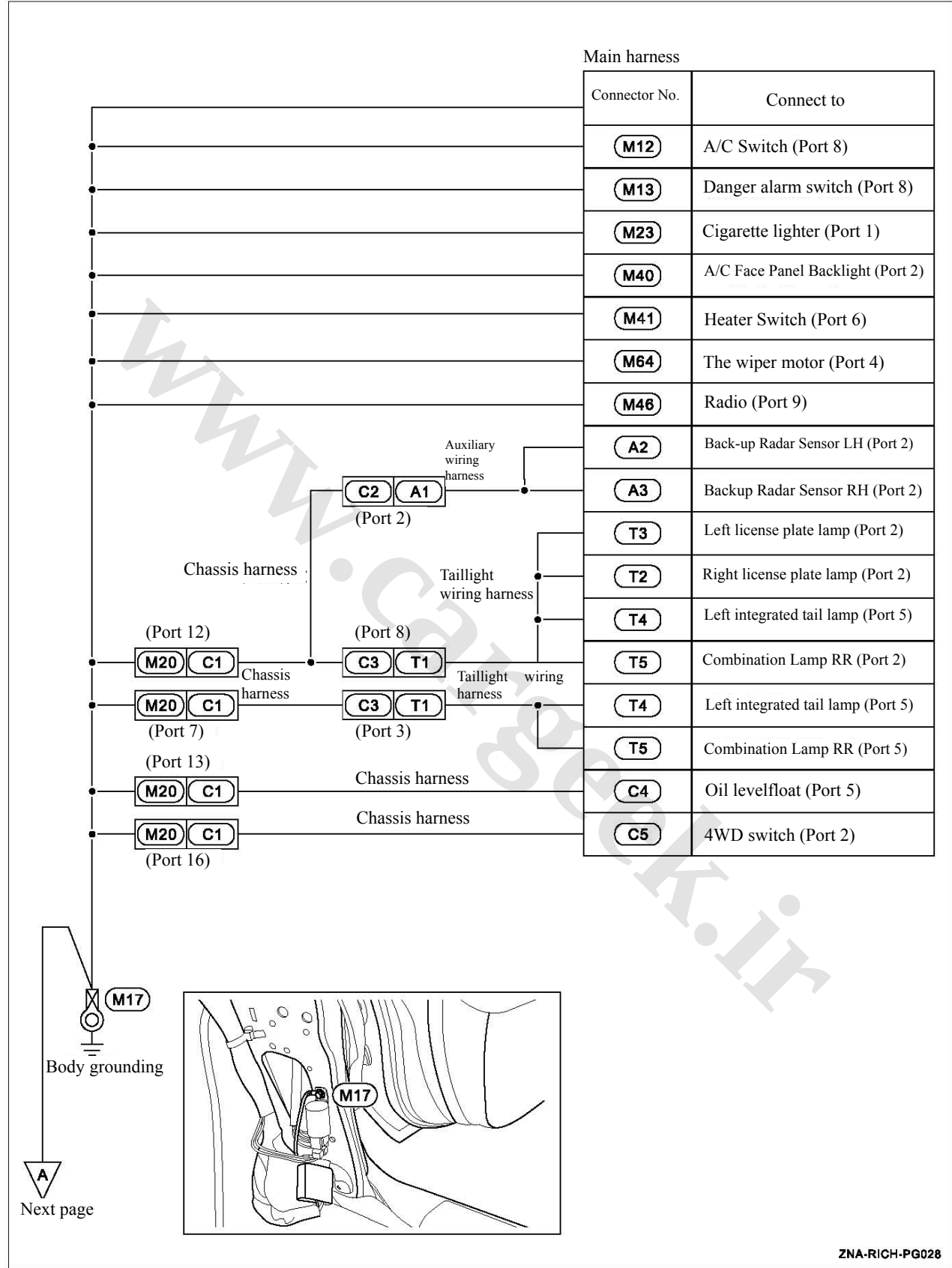


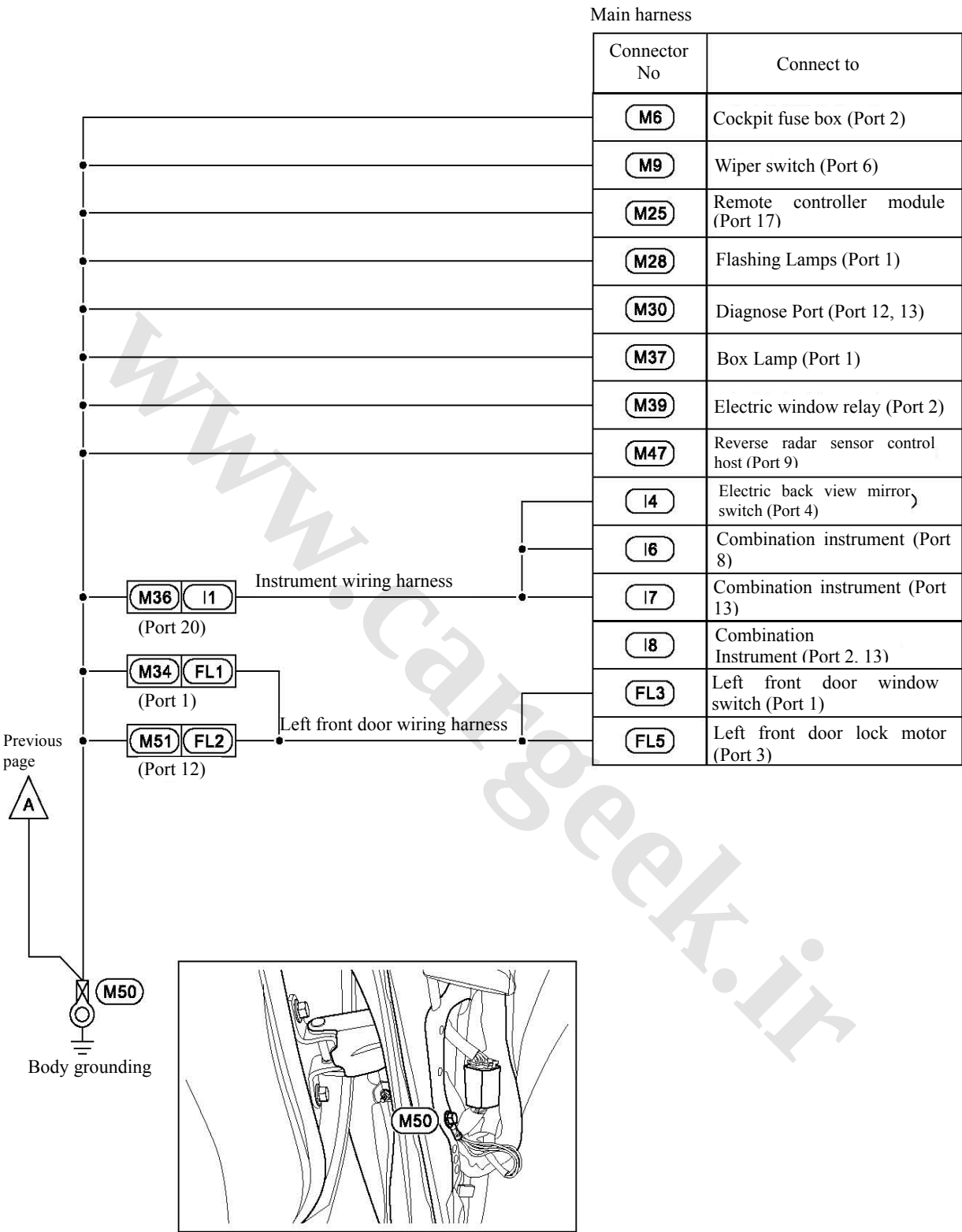
Notes

* 1.Applicable models	30A	ZG24
	40A	ZD22TE/ZD25TCI/ZD28D11-4DA
* 2.Applicable models	30A	ZD25TCI/ZD28D11-4DA/ZG24
* 3.Applicable models	25A	ZD28D11-4DA
	30A	ZG24
* 4.Applicable models	10A	ZD22TE/CYQD80-E4
	15A	ZD22TE/CYQD80-E4
* 5.Applicable models	15A	CYQD80-E4(4WD)
* 6.Applicable models	5A	ZD25TCI(2WD)/ZD22TE/CYQD80-E4/ZD30D13-4N2/ZG24
	15A	ZD25TCI(4WD)/ZD28D11-4DA(4WD)
* 7.Applicable models	5A	ZD25TCI(4WD)/ZD28D11-4DA
	10A	ZD30D13-4N2/ZG24
* 8.Applicable models	5A	ZD22TE/CYQD80-E4/ZG24(with ABS)
	10A	ZD25TCI/ZD28D11-4DA
	15A	ZD30D13-4N2(4WD)
* 9.Applicable models	5A	ZD25TCI(WithABS)/ZD30D13-4N2(WithABS)
* 10.Applicable models	30A	ZD25TCI(WithABS)/ZG24(WithABS)
	60A	ZD28D11-4DA
* 11.Applicable models	80A	ZD22TE/CYQD80-E4/ZD25TCI/ZD28D11-4DA/ZG24
	120A	ZD30D13-4N2

Earthing

Main wiring harness grounding





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Earthing

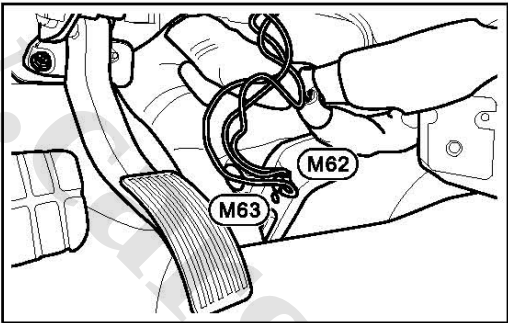
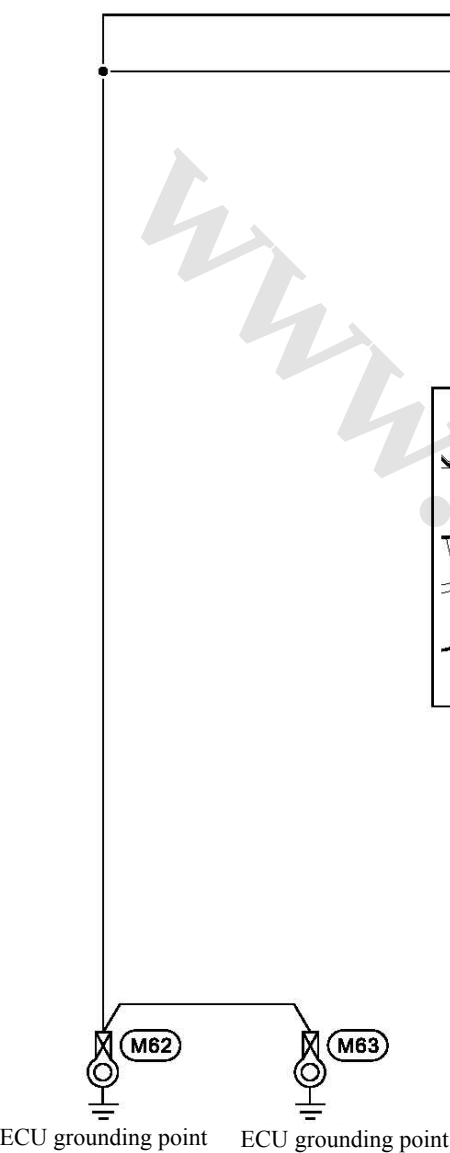
Matching engines: ZD22TE/CYQD80-E4/ZD30D13-4N2

*1:ZD30D1-4

*2:ZD22TE/CYQD80-E4

Main harness

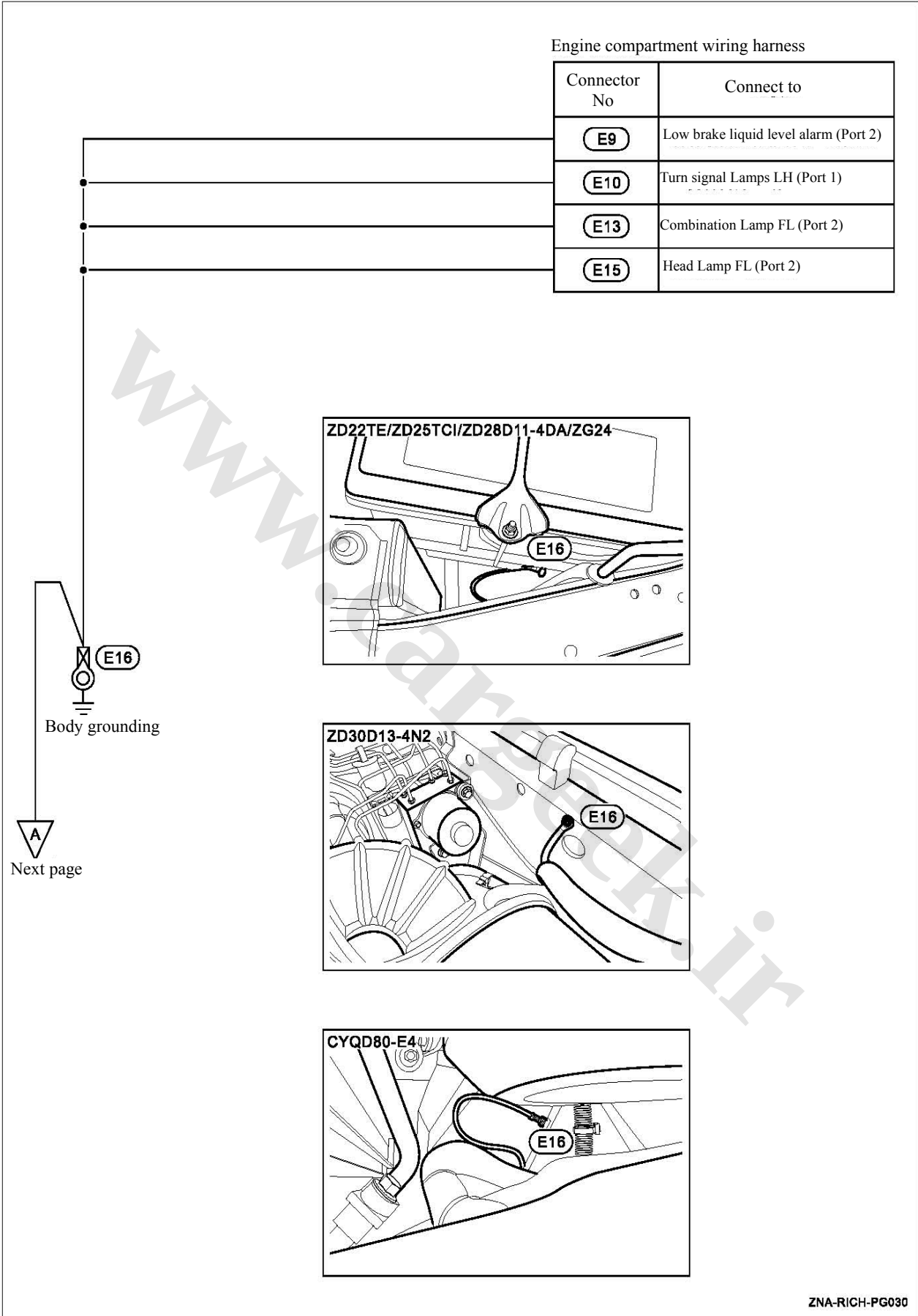
Connector No	Connect to
M60	ECU (Port 2, 4, 6)
M61	ECU (Port 4, 5)



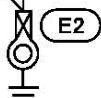
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Engine compartment wiring harness grounding point



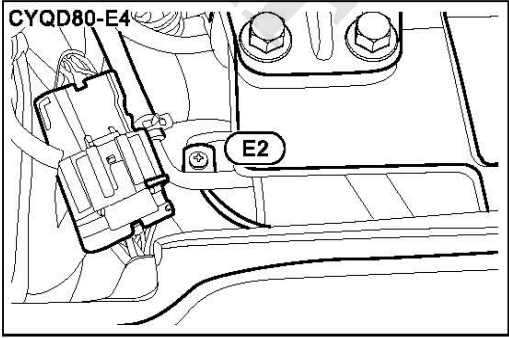
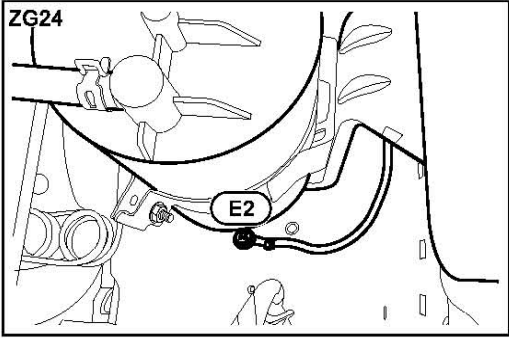
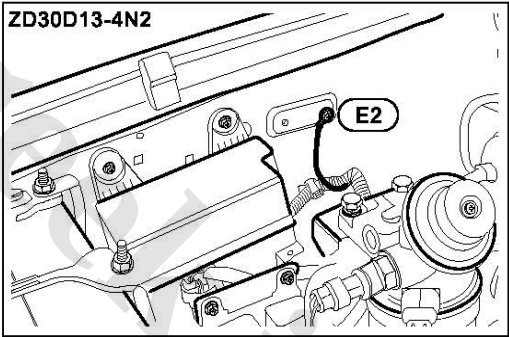
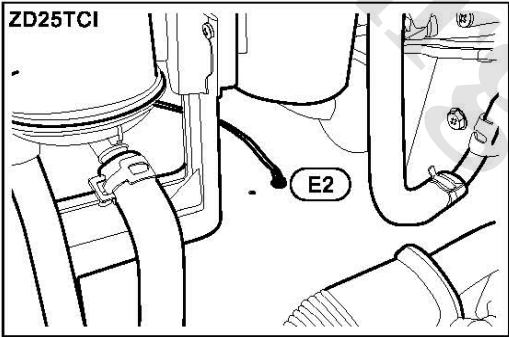
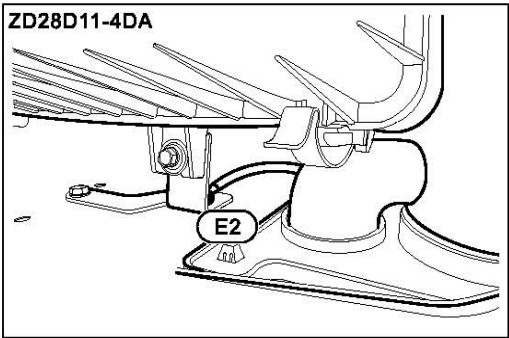
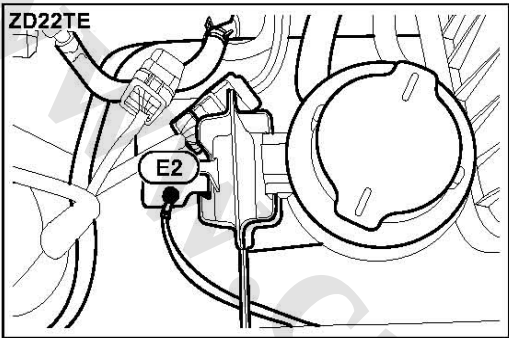
Previous
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Body grounding

Engine compartment wiring harness

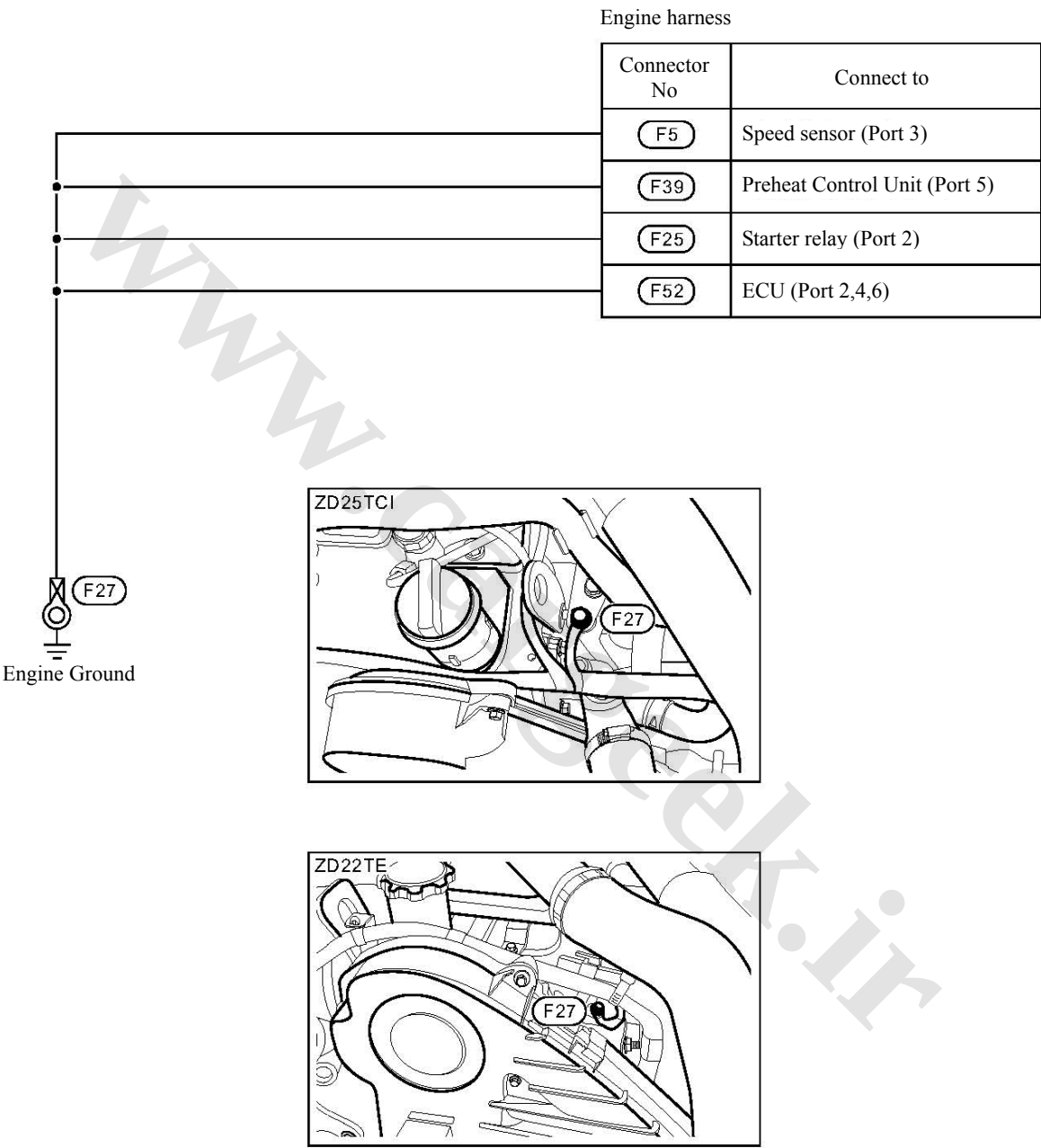
Connector No	Connect to
E1	Combination Lamp FR (Port 2)
E5	Turn signal Lamps RH (Port 1)
E19	Cooling fan (Port 3)
E20	Head Lamp FR (Port 2)



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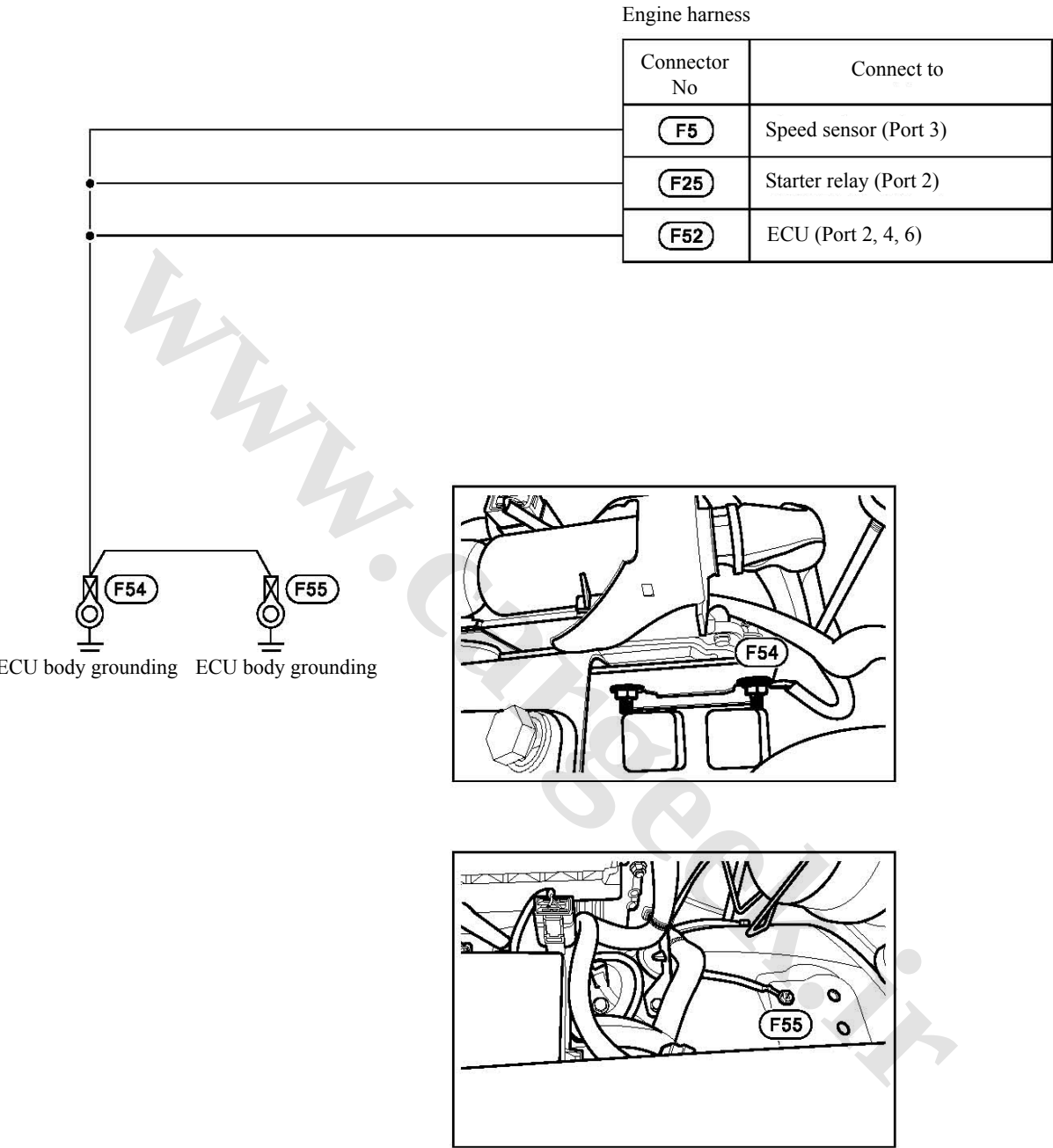
Engine wiring harness grounding point

Matching engines: ZD22TE/ZD25TCI



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For vehicle model equipped with ZD28D11-4DA engine

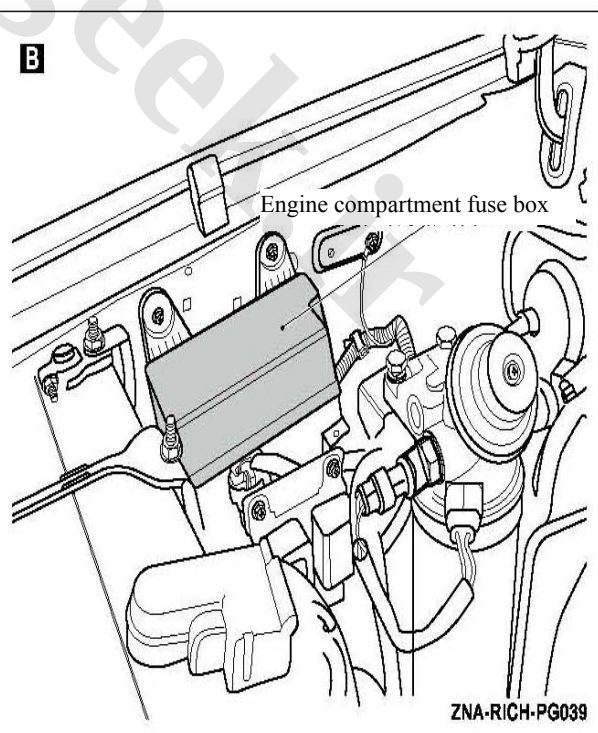
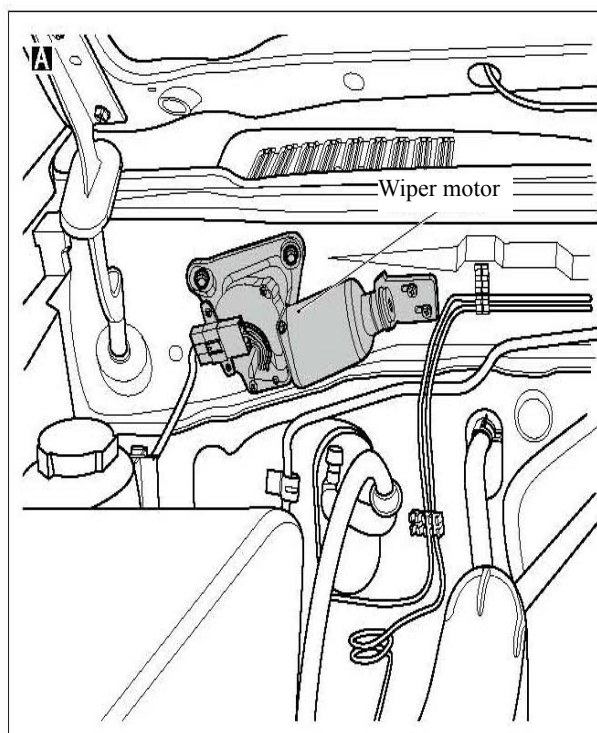
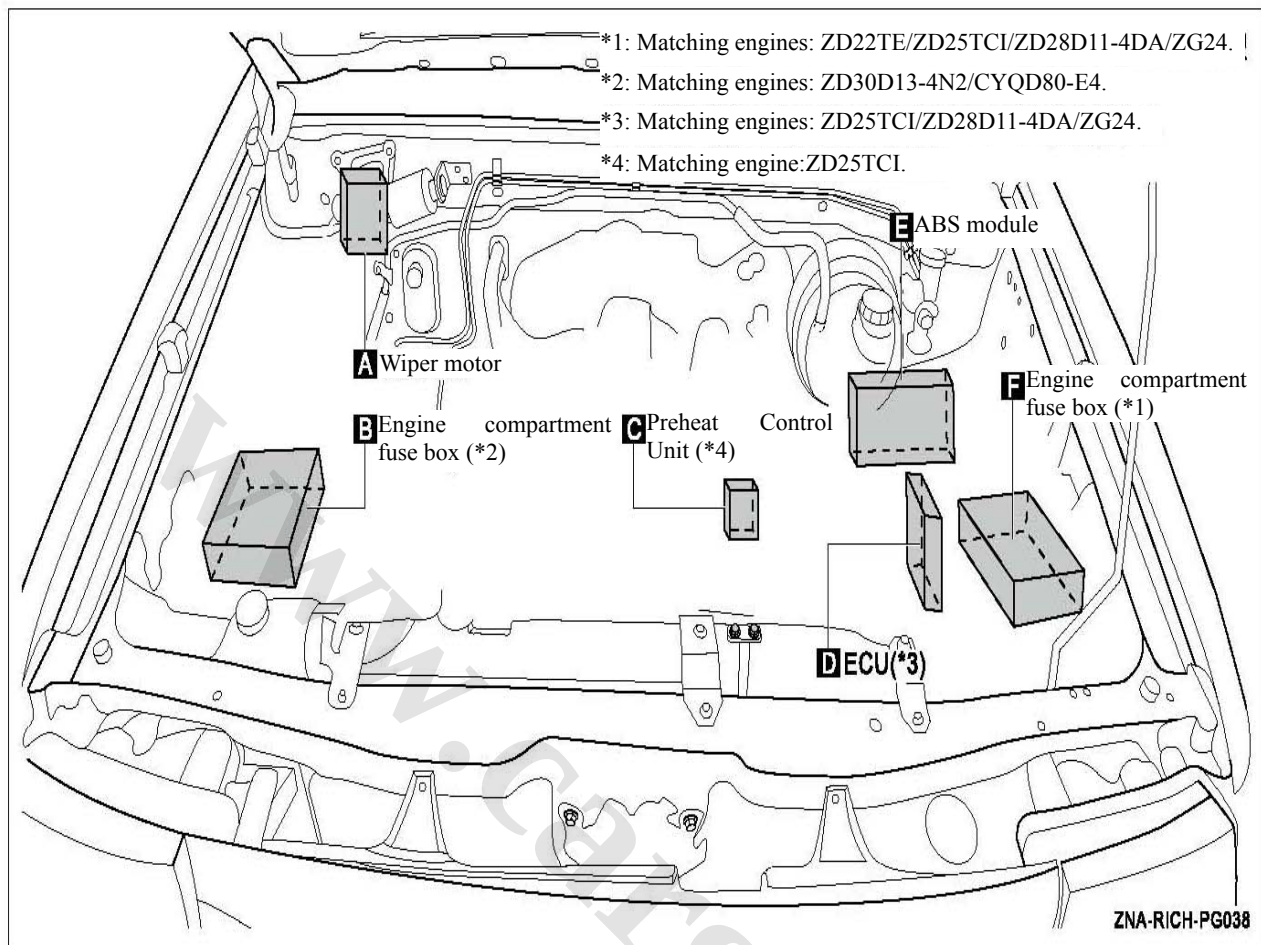


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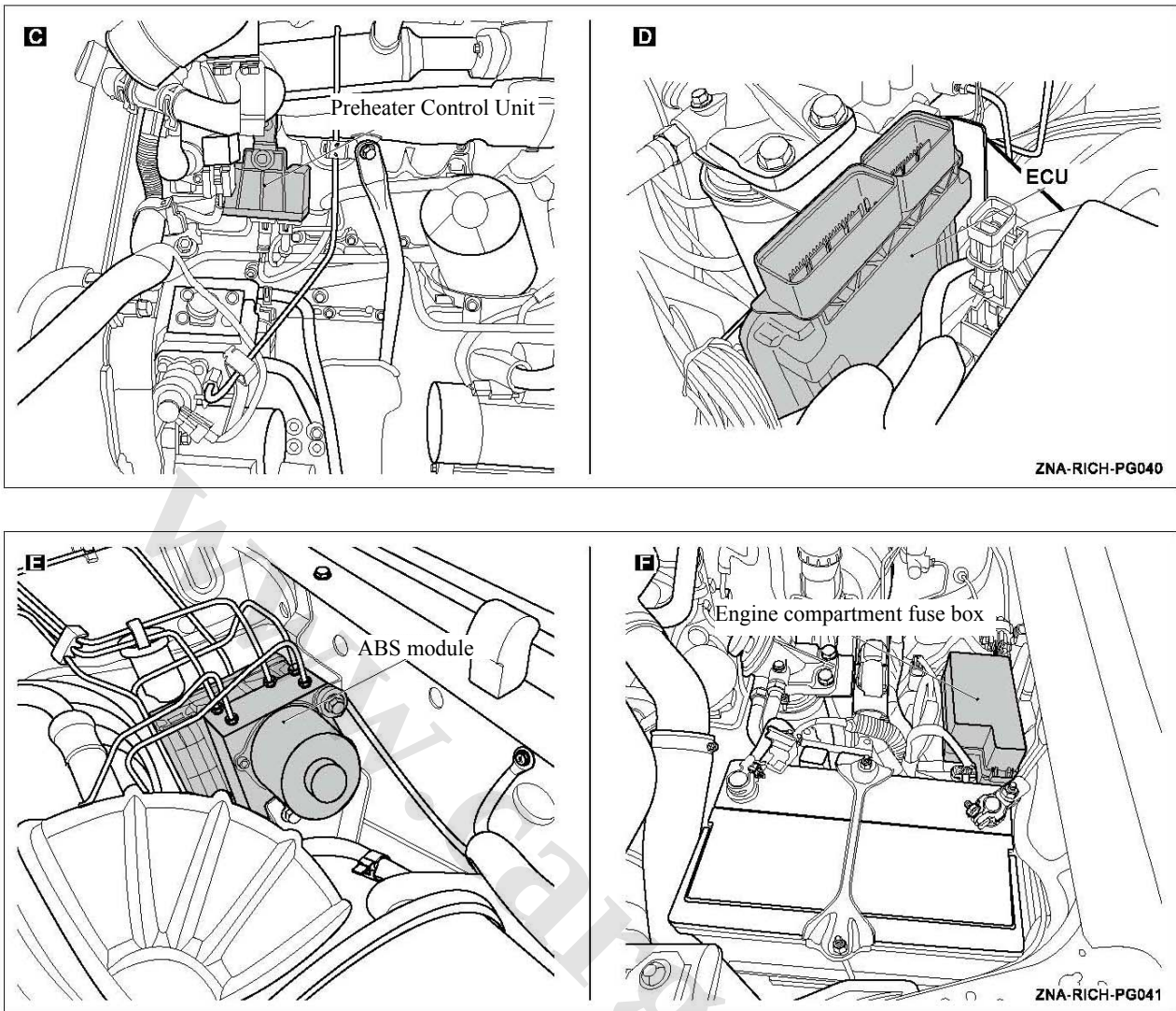
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Electrical unit position

Engine compartment

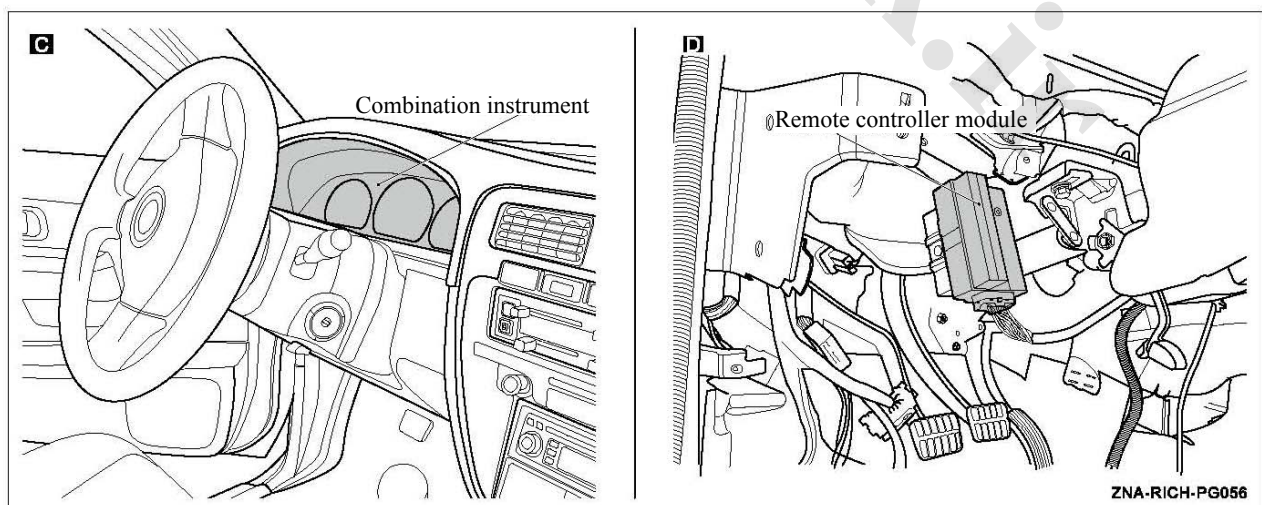
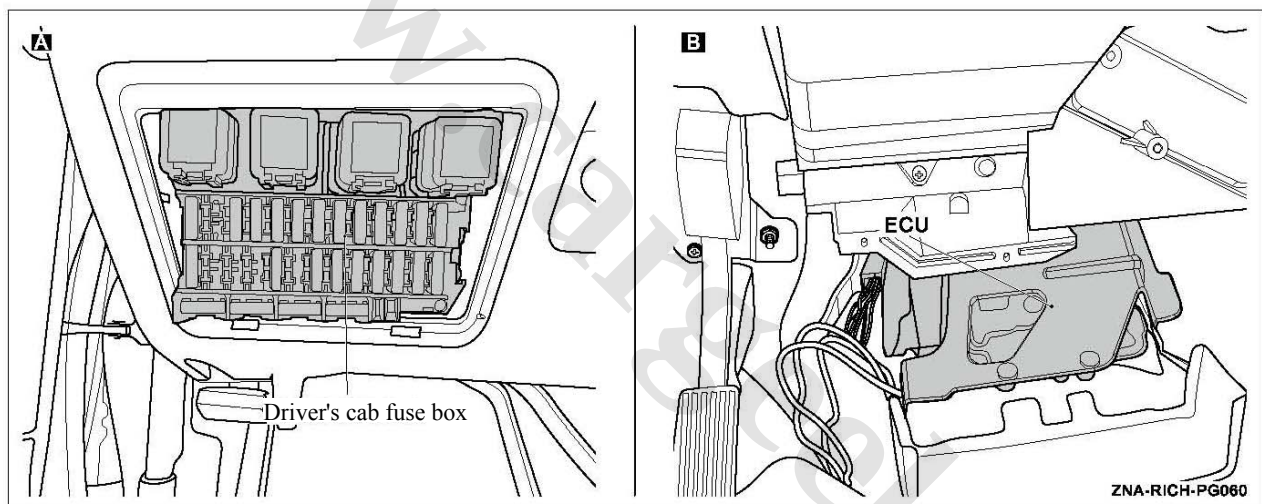
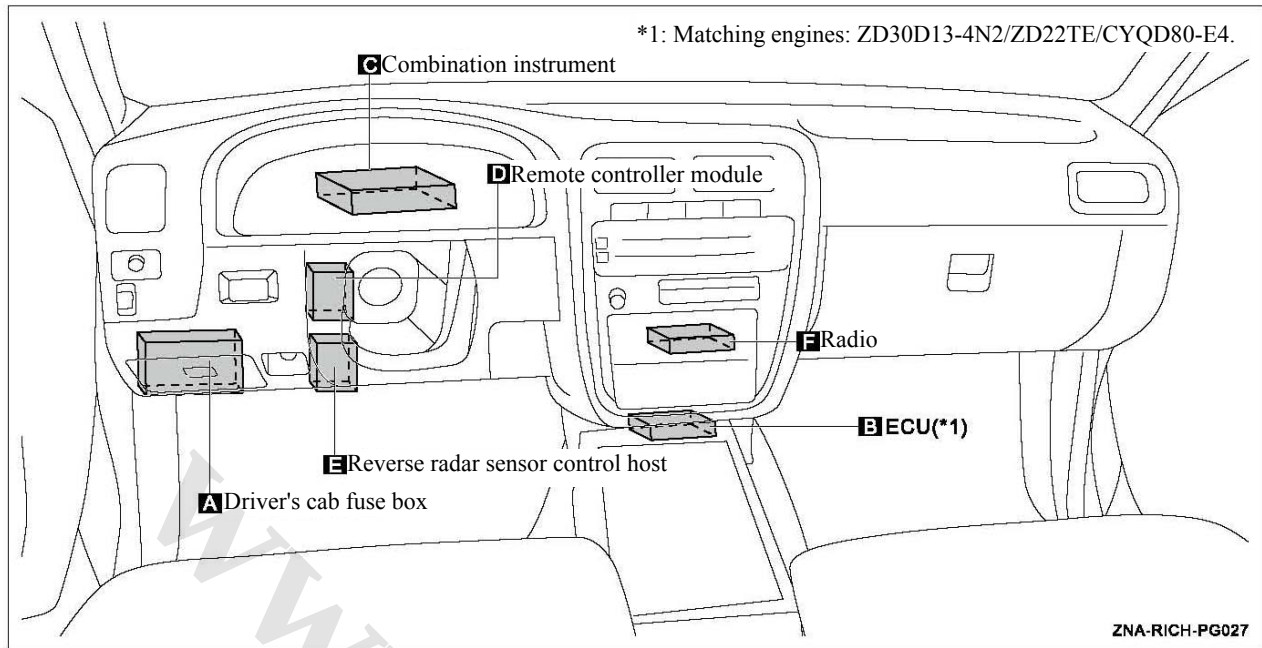


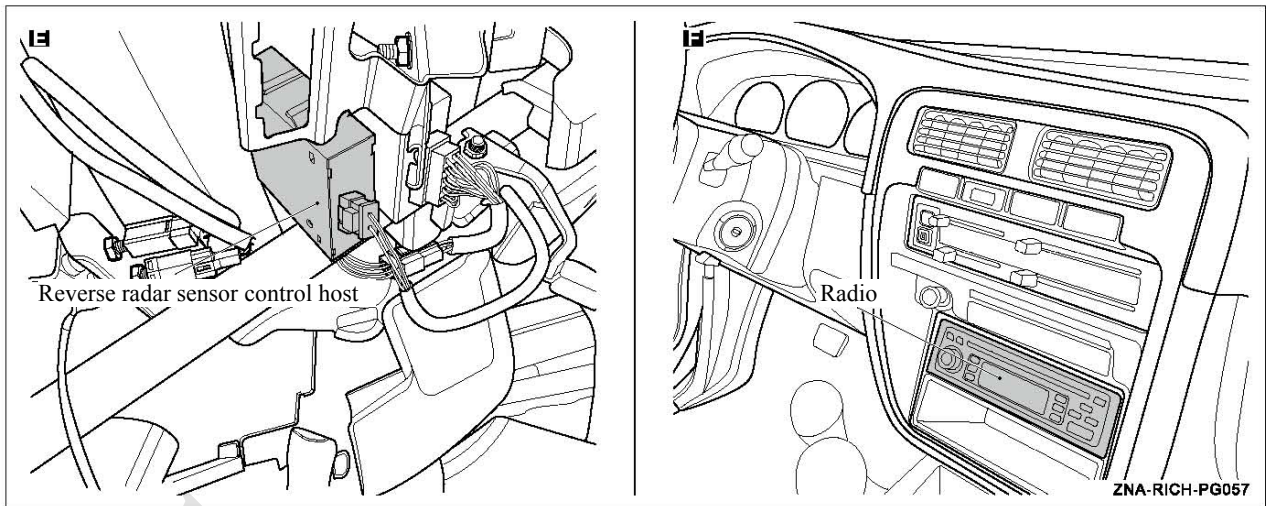
Electrical unit position



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Passenger cabin





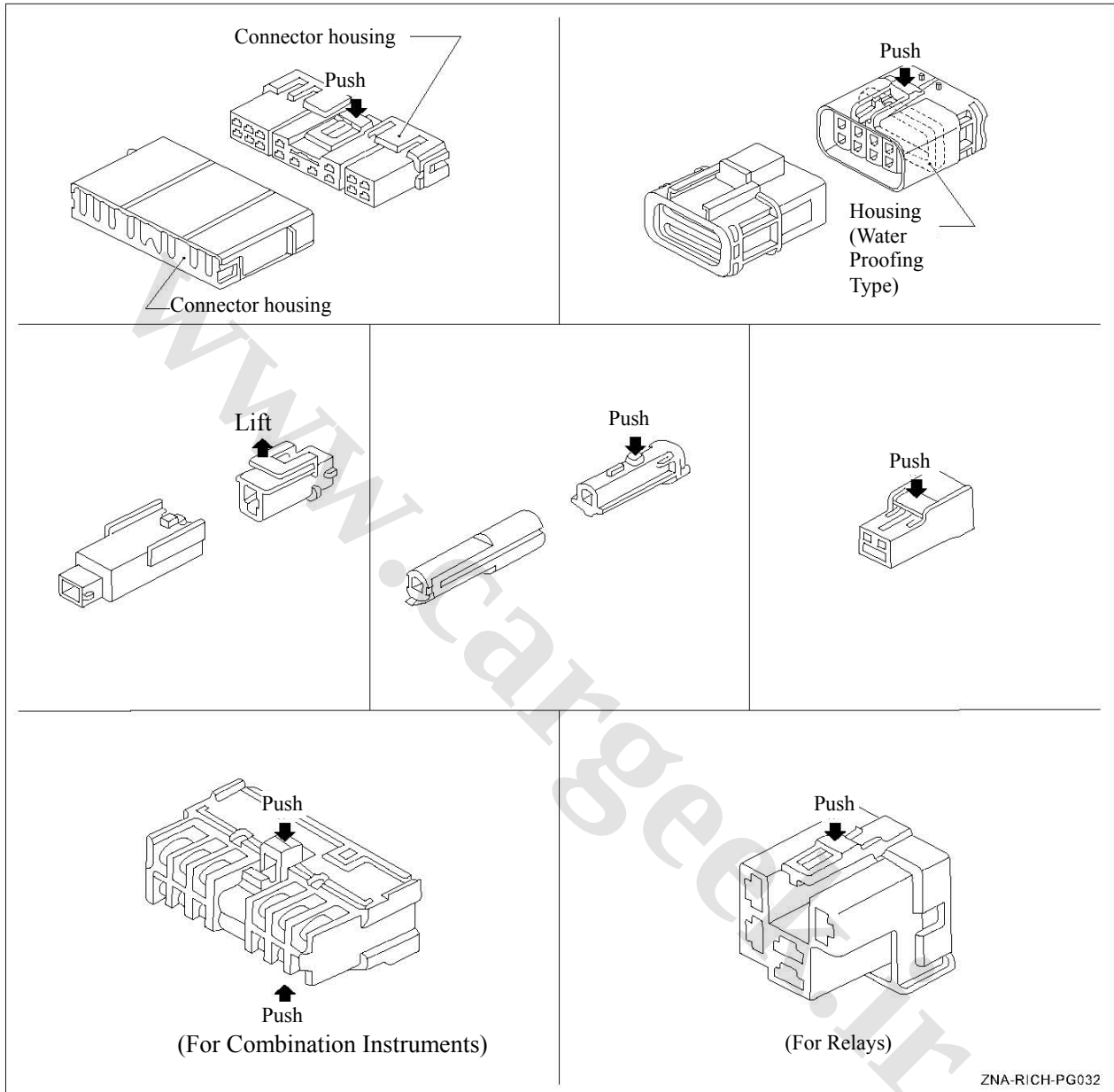
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Wiring harness connector description

Lock buckle type

1. Tab-lock connectors can avoid accidental loosening or disconnecting.
2. Tab-lock connectors can be disconnected by pushing or lifting the locking tab as shown in the following figure.

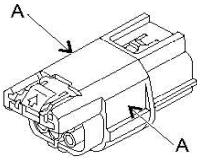
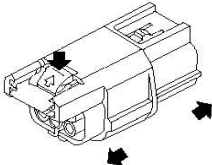
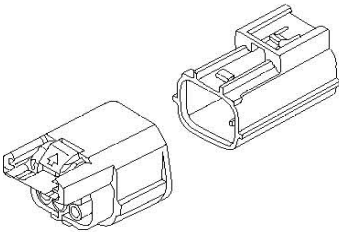
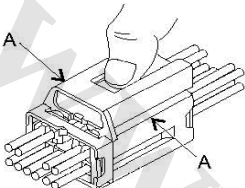
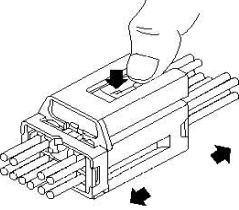
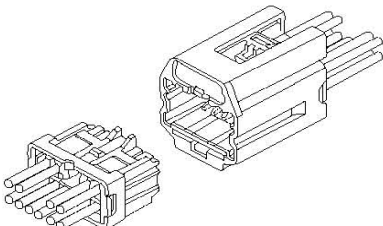
Caution: When disconnecting a connector, do not pull the harness.



Sliding lock type

- 1. Certain systems and components, relating to OBD in particular, use the new slide-locking connectors.
- 2. slide-lock connectors avoid accidental incomplete locking, loosening or disconnecting circumstances.
- 3. slide-lock connectors are disconnected by pushing or pulling the slider as shown in the following figure.

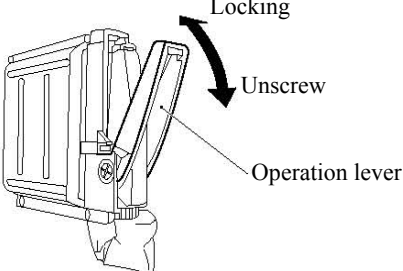
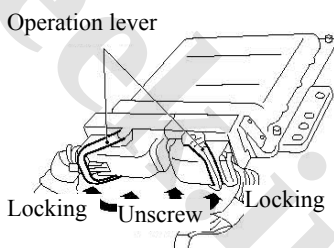
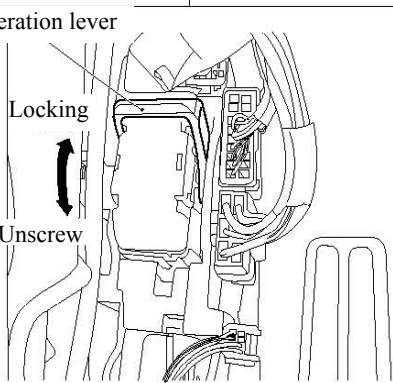
Caution: When disconnecting a connector, do not pull the harness or break the connector brackets.

Waterproof type			
Non-waterproof type			
Operation	① Firmly grasp shell of the connector housing at A	② Push the slider until the connector is pops or snaps apart.	③ Disconnect the harness connector. ZNA-RICH-PG036

Lever lock type

- 1. lever-lock harness connectors are used on certain control units or control modules, such as engine ECU module, ABS control module.
- 2. When connecting a lever-lock connector, make sure that the lever is fully locked as shown in the following figure.

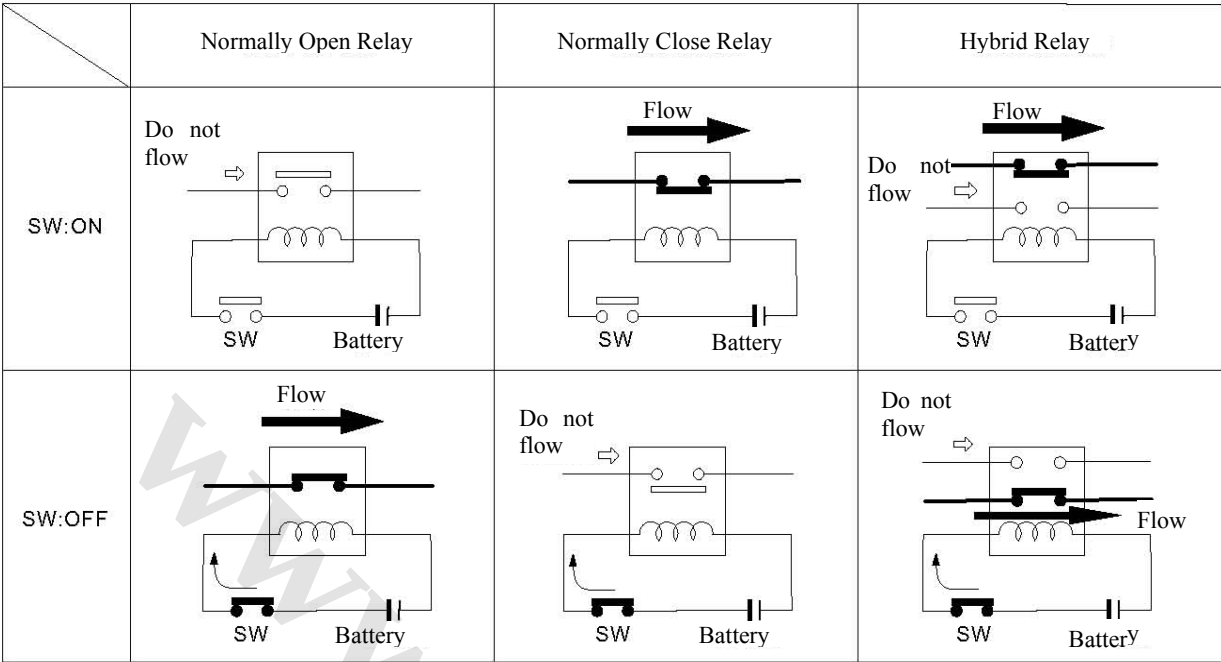
Caution: Make sure that the lever is fully released (loosened), before disconnecting a connector to avoid damage to the connector's housing or terminals.

①		②	
③			

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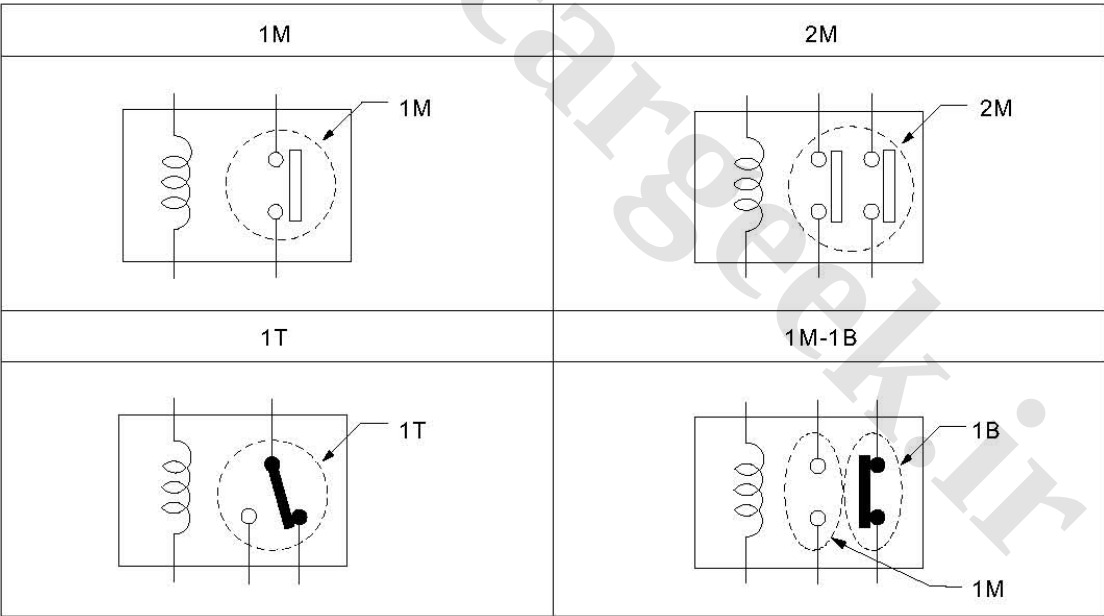
Standard relay instruction

Normally opened, normally closed, and mixed relays



ZNA-RICH-PG033

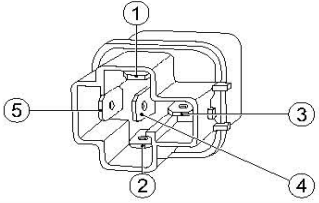
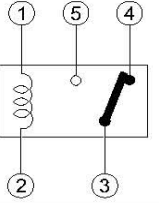
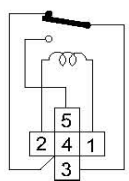
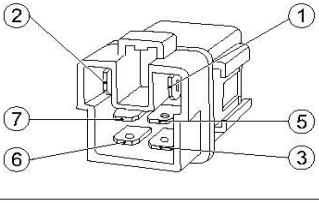
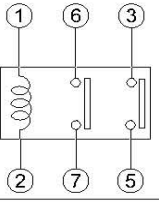
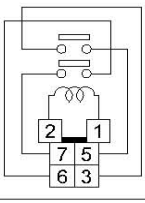
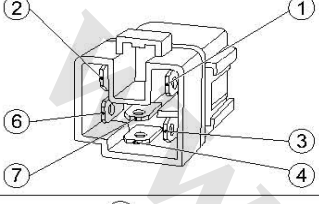
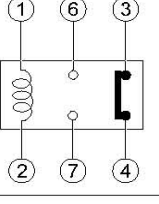
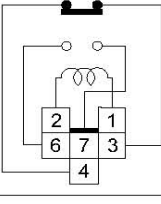
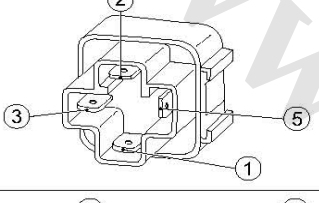
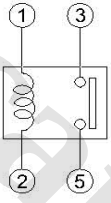
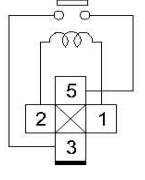
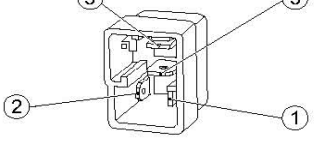
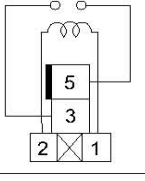
Standard relay model



ZNA-RICH-PG034

1M	Single Pole Switch	2M	Dual Pole Switch
1T	Toggle Switch	1M-1B	On-off Switch

Standard relay instruction

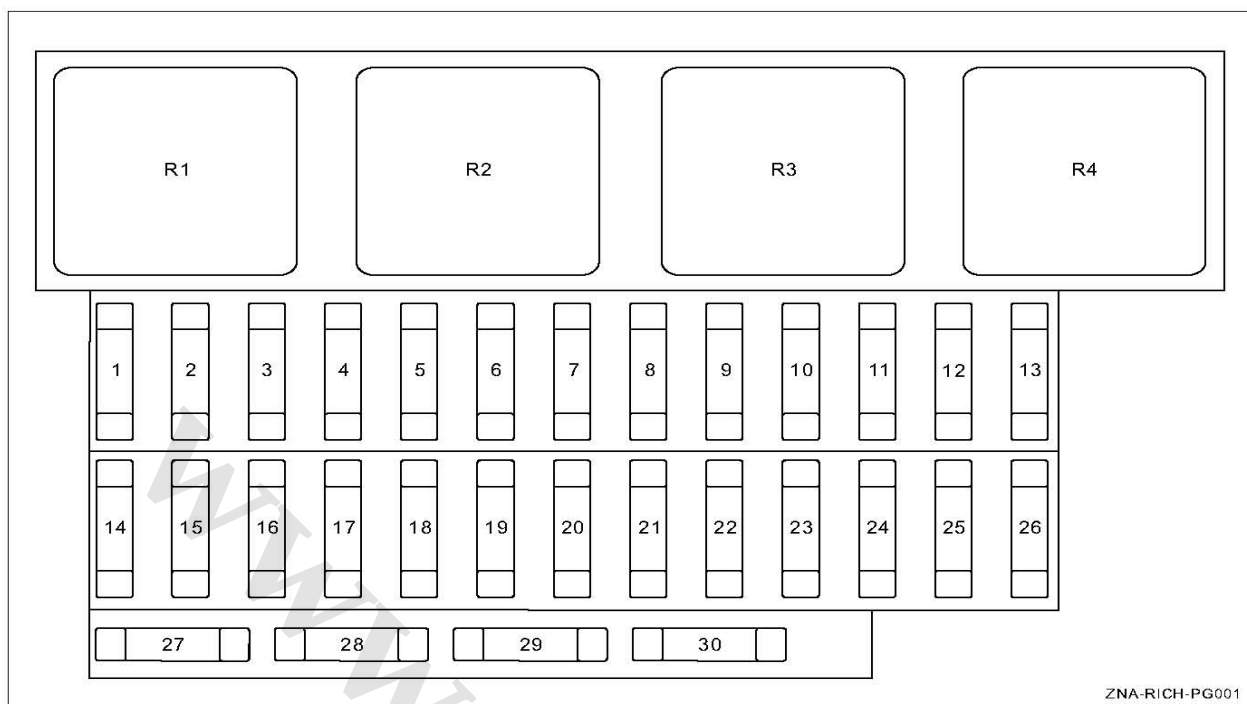
Type	Appearance	Circuit	Connector Symbol and Connection	Casing
1T				Black
2M				Brown
1M-1B				Grey
1M				Blue
				

ZNA-RICH-PG035

Note: The actual port numbers of relays may different from above ones.

Fuse, melting wire and relay

Driver's cab fuse box



Fuse box

Serial No.	Rated current	Function Name
1	2A	*1
	15A	*2
	5A	*3
	10A	*4
2	5A	*5
	10A	*6
3	5A	*7
	10A	*8
4	10A	*9
	5A	*10
	15A	*11
5	5A	*12
6	7.5A	A/C fuse
7	15A	Heater motor fuse
8	15A	Heater motor fuse
9	10A	Audio/diagnoses interface fuse
10	15A	Cigarette lighter fuse
11	20A	Wiper fuse

Serial No.	Rated current	Function Name
12	10A	Electric backview mirror fuse
13	10A	Electric window fuse
14	5A	*13
	15A	*14
15	2A	*15
	7.5A	*16
16	-	-
	15A	*17
17	10A	*18
18	10A	Brake light fuse
19	15A	*19
20	10A	Interior light fuse
21	7.5A	Audio/diagnoses interface fuse
22	10A	Hazard warning lamp fuse
23	10A	Lighting fuse
24	7.5A	Turn light fuse
25	15A	*20
	5A	*21

Fuse, melting wire and relay

26	10A	Backup Lamp/Backup Radar/Combination Fuse	29	10A	Spare fuses
27	20A	Spare fuses	30	7.5A	Spare fuses
28	15A	Spare fuses			

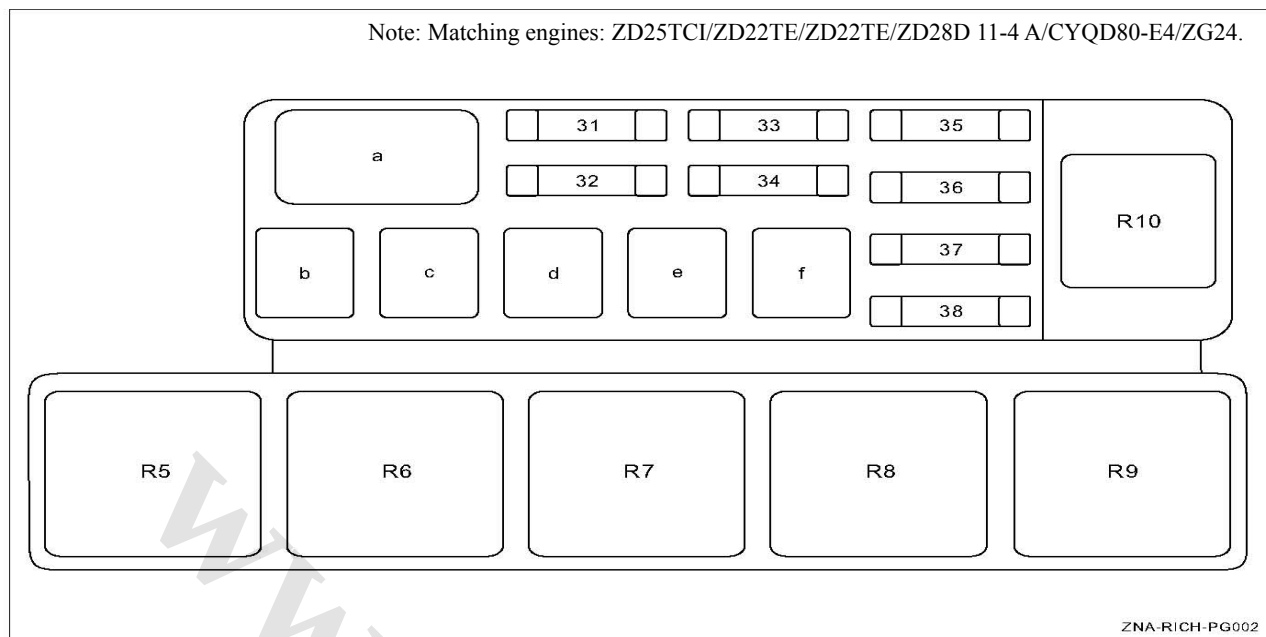
Notes

*1Applicable engine model	Timing solenoid valve fuse	ZD22TE/CYQD80-E4
*2Applicable engine model	Engine control unit fuse	ZD28D11-4DA
*3Applicable engine model	Spare fuses	ZG24
*4Applicable engine model	Engine control unit fuse	ZD30D13-4N2
*5Applicable engine model	Oil inlet solenoid valve fuse	ZD22TE/CYQD80-E4
*6Applicable engine model	Engine control unit fuse	ZD28D11-4DA
*7Applicable engine model	DRL fuse	ZD25TCI(4WD)/ZD28D11-4DA
*8Applicable engine model	Ignition coil fuse	ZG24
	Engine control unit fuse	ZD30D13-4N2
*9Applicable engine model	Engine control unit fuse	ZD25TCI/ZD28D11-4DA
*10Applicable engine model	Engine control unit fuse	ZD22TE/CYQD80-E4
	ABS fuse	ZG24(With ABS)
*11Applicable engine model	Transfer case fuse	ZD30D13-4N2(4WD)
*12Applicable engine model	ABS fuse	ZD25TCI(WithABS)/ZD30D13-4N2(WithABS)
*13Applicable engine model	Spare fuses	ZD22TE/CYQD80-E4/ZD30D13-4N2
*14Applicable engine model	Fuel pump fuse	ZG24
*15Applicable engine model	Spare fuses	ZD22TE/CYQD80-E4
*16Applicable engine model	Oxygen sensor fuse	ZG24
*17Applicable engine model	Engine control unit fuse	ZD22TE/CYQD80-E4
*18Applicable engine model	Engine control unit fuse	ZG24
*19Applicable engine model	Transfer case fuse	CYQD80-E4(4WD)
*20Applicable engine model	Transfer case fuse	ZD25TCI(4WD)/ZD28D11-4DA(4WD)
*21Applicable engine model	DRL fuse	ZD25TCI(2WD)/ZD22TE/CYQD80-E4/ZD30D13-4N2/ZG24

Relay

Serial No.	Function Name
R1	Electric window relay
R2	IG2relay
R3	ACC relay
R4	IG1relay

Engine compartment fuse box



Fuse

Serial No.	Rated current	Function Name	Serial No.	Rated current	Function Name
a	80A	Battery fuse	32	15A	*7
b	40A	*1	33	20A	*8
	30A	*2	34	10A	*9
c	30A	Electric window fuse	35	15A	Right front headlight fuse
d	30A	*3	36	15A	Head Lamp FL and Fog Lamp Fuse
e	30A	*4	37	10A	Horn fuse
	60A	*5	38	25A	*10
f	30A	ignition switch fuse		30A	*11
31	7.5A	*6			

Notes

*1Applicable engine model	Radiator fan fuse	ZD25TCI/ZD28D11-4DA/ZD22TE
*2Applicable engine model		ZG24
3.Applicable engine model	Main relay fuse	ZD25TCI(without ABS)/ZD28D11-4DA
	ABS fuse	ZD25TCI(WithABS)/ZG24(WithABS)
*4Applicable engine model	ABS fuse	ZD25TCI(WithABS)/ZG24(WithABS)
*5Applicable engine model	Preheater fuse	ZD28D11-4DA
*6Applicable engine model	Combination instrument fuse box	ZD25TCI/ZD28D11-4DA
*7Applicable engine model	Spare fuses	ZD25TCI/ZD22TE/CYQD80-E4/ZG24

Fuse, melting wire and relay

*8Applicable engine model	Main relay fuse	ZD25TCI(with ABS)
*9Applicable engine model	Spare fuses	ZD25TCI/ZD22TE/CYQD80-E4/ZG24
*10Applicable engine model	Fuel heater fuse	ZD22TE MA
*11Applicable engine model		ZD28D11-4DA

Relay

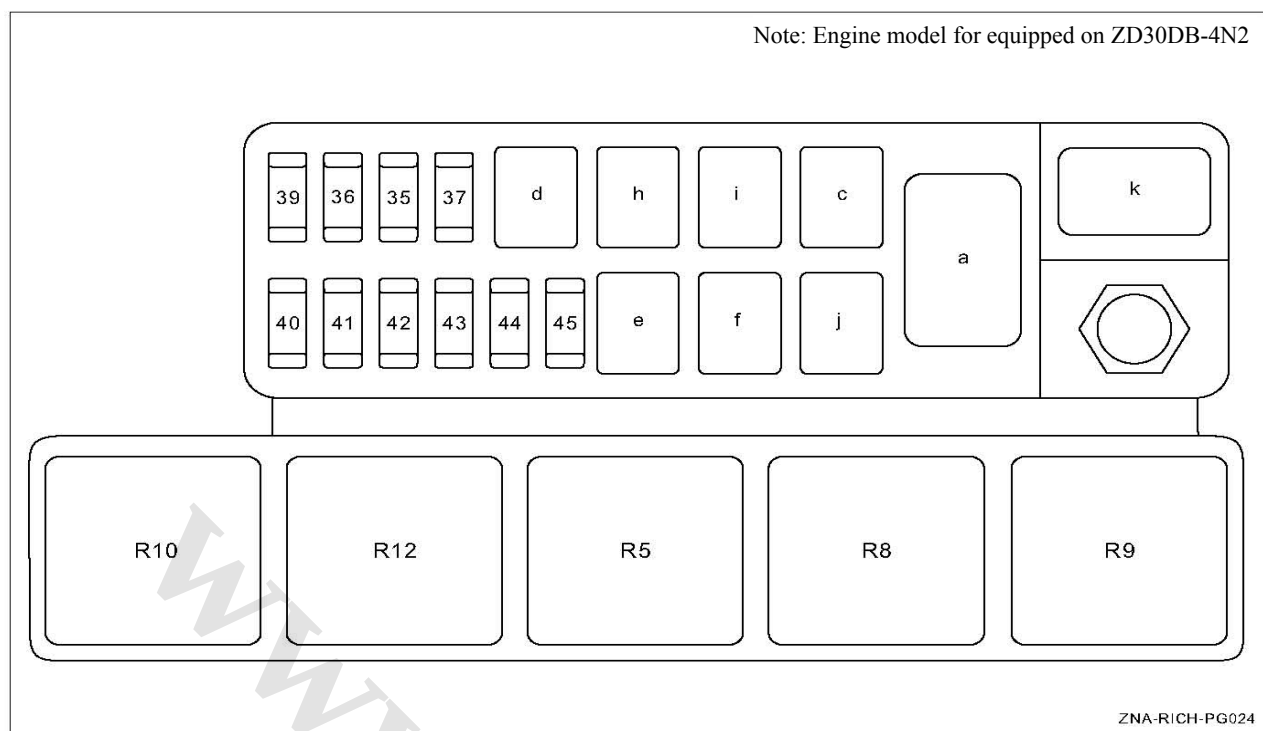
Serial No.	Function Name
R5	*1
R6	*2
R7	*3
R8	Horn relay
R9	A/C relay
R10	*4

Notes

*1Applicable engine model	Transfer case relay	ZD25TCI(4WD)/CYQD80-E4(4WD)
	Fuel heater relay	ZD22TE/ZD28D11-4DA
	Oil pump relay	ZG24
*2Applicable engine model	High speed fan relay	ZD25TCI/ZD22TE/ZD28D11-4DA/ZG24
*3Applicable engine model	Low speed fan relay	
*4Applicable engine model	Main relay	ZD28D11-4DA

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Fuse, melting wire and relay



Fuse

Serial No.	Rated current	Function Name	Serial No.	Rated current	Function Name
a	120A	battery fuse	36	15A	Left front headlight fuse
c	30A	Electric window fuse	37	10A	Horn fuse
d	30A	*1	39	20A	Engine control unit fuse
e			40	-	-
f	30A	ignition switch fuse	41	-	-
h	30A	Fuel heater fuse	42	-	-
i	30A	Electronic fan fuse	43	-	-
j	30A	Generator fuse	44	-	-
k	80A	Preheater plug fuse	45	-	-
35	15A	Right front headlight fuse			

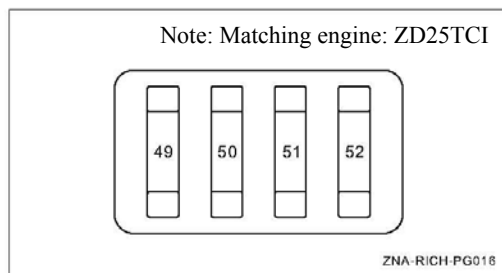
Notes

*1Applicable engine model	ABS fuse	ZD30D13-4N2(With ABS)
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Relay

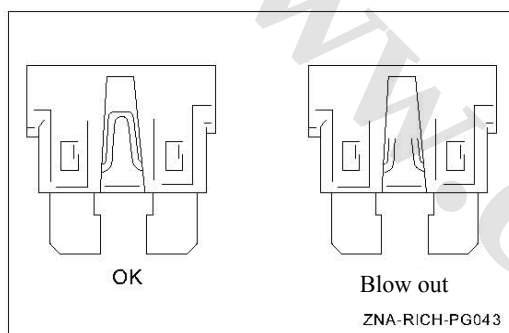
Serial No.	Function Name
R5	Fuel heater relay
R8	Horn relay
R9	A/C relay
R10	Main relay
R12	Electronic Fan Relay

Engine harness fuse box



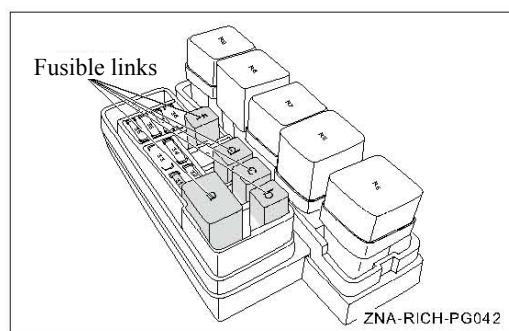
Fuse

Serial No.	Rated current	Function Name
49	25A	Fuel filter heater fuse
50	15A	Main relay output fuse
51	15A	Engine control unit fuse
52	10A	Engine control unit fuse



Precautions:

1. In case of blowing out of a fuse, all the causes of the failure must be eliminated before installing a new fuse.
2. Use a specified fuse only as a replacement. It is prohibited to use a fuse with the rated amperage larger than the specified.
3. Make sure that the fuse is firmly pushed into the fuse holder.
4. For a vehicle going to be out of service for a long time, remove the battery's fuses and keep them in a proper place.

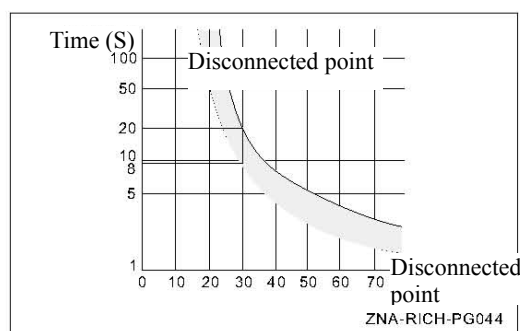


Cautions for Fusible links

Visually inspect fusible links and use a millimeter to check their conductivity.

CAUTION:

- When a fusible link blows out, it may have a short circuit in power supply or high current circuit. Thoroughly inspect the related circuit and troubleshoot problems if any.
- Never wrap a fusible link with the vinyl tape.



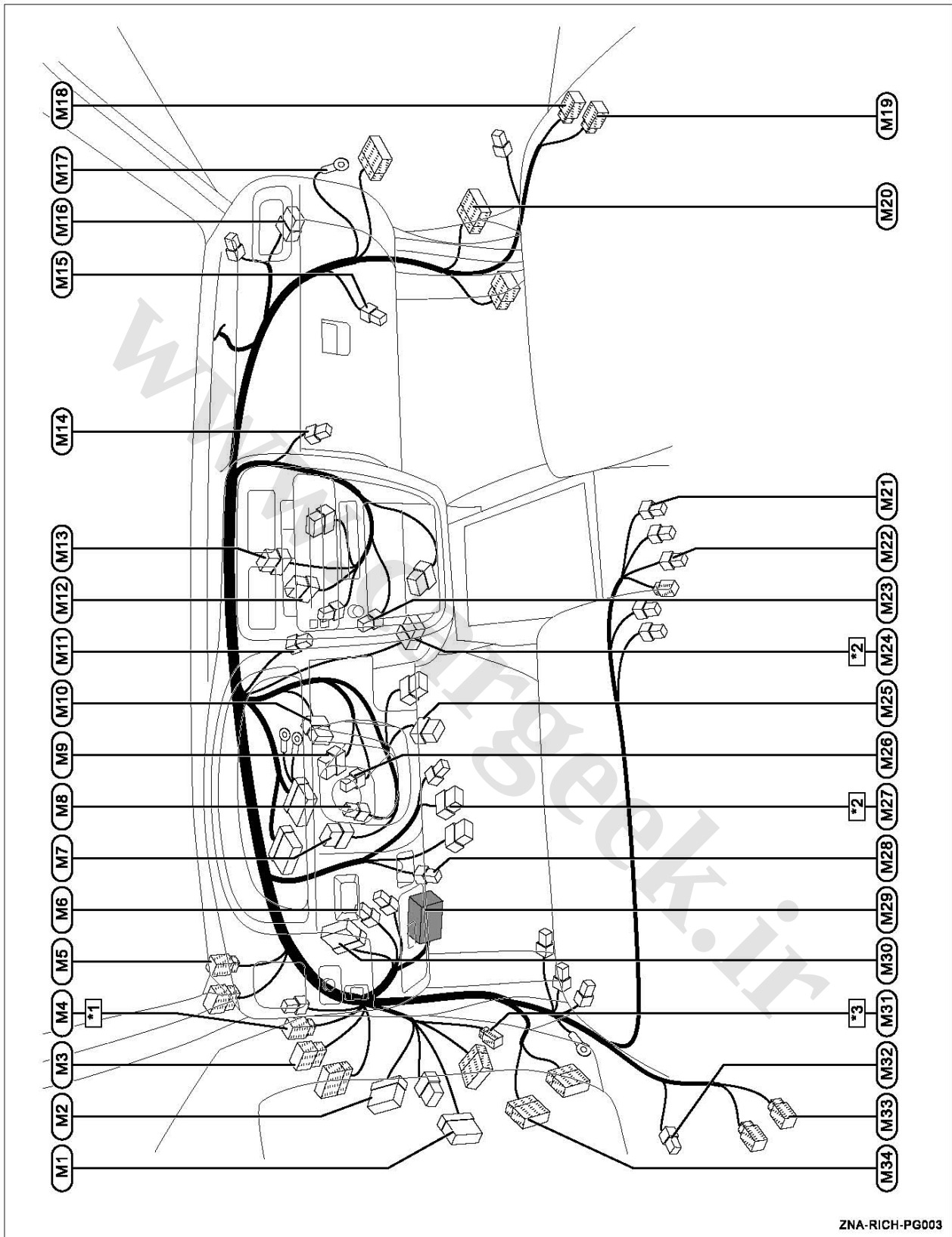
Circuit breaker

For example: when the circuit current is 30A, the circuit should be disconnected in the 8~20 sec. Circuit breakers are commonly used in the following systems:

- Power Windows
- Electric door locks

Circuit layout

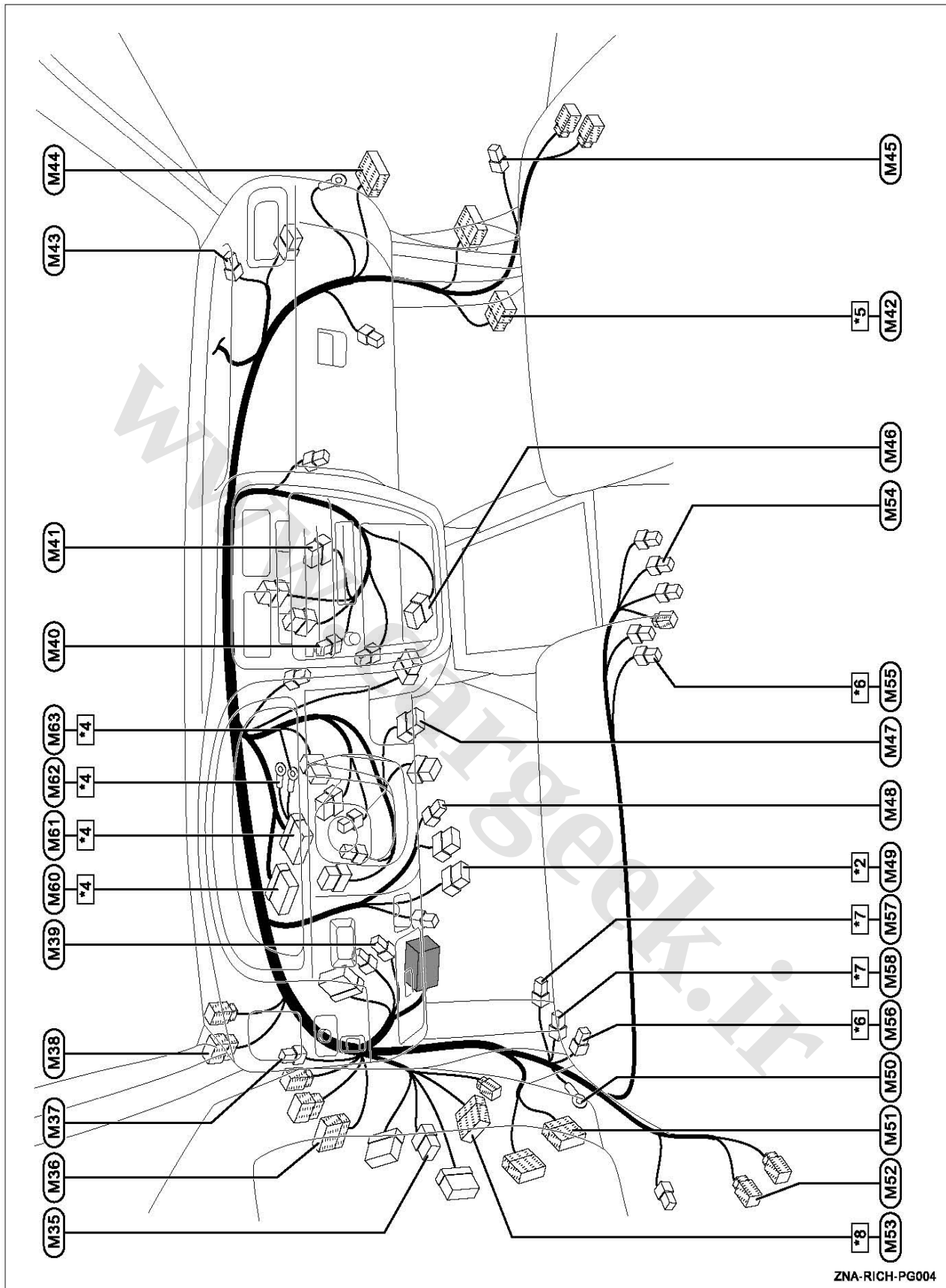
Main harness



Circuit layout

Connector No.	Name	Connector No.	Name
M1	Wiring harness connector (connected to the engine compartment wiring harness)	M18	Wiring harness connector (connected the right rear door wiring harness)
M2	Wiring harness connector (connected to the engine compartment wiring harness)	M19	Wiring harness connector (connected the right rear door wiring harness)
M3	Wiring harness connector (connected to the instrument wiring harness)	M20	Wiring harness connector (connected to the chassis wiring harness)
M4(*1)	Wiring harness connector (connected to the instrument wiring harness)	M21	Connect the manual brake switch
M5	Wiring harness connector (connected to the indoor light wiring harness)	M22	Connect the dimmer switch
M6	Connect the cockpit fuse box	M23	Connect the cigarette lighter
M7	Connect the steering switch	M24(*2)	Connect the accelerator pedal sensor
M8	Connect the headlight switch	M25	Connect the remote control module
M9	Connect the wiper switch	M26	Connect the horn switch
M10	Connect the ignition switch	M27(*2)	Connect the brake switch
M11	Connect the manual brake switch	M28	Connect the flasher
M12	Connect A/C switch	M29	Driver's cab fuse box
M13	Connect the danger alarm switch	M30	Connect the diagnostic interface
M14	Connect the thermostat amplifier	M31(*3)	Wiring harness connector (connected to the engine compartment wiring harness)
M15	Connect the breaker	M32	Connect the left front right door switch
M16	Connect the speed adjustment resistance	M33	Wiring harness connector (connected the left rear door wiring harness)
M17	Right main wiring harness grounding	M34	Wiring harness connector (connected to the left front door wiring harness)
Notes			
*1Applicable engine model	ZD25TCI/ZD22TE/ZD28D11-4DA/CYQD80-E4/ZG24		
*2Applicable engine model	ZD25TCI/ZD22TE/ZD28D11-4DA/CYQD80-E4/ZD30D13-4N2		
*3Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2/ZG24		

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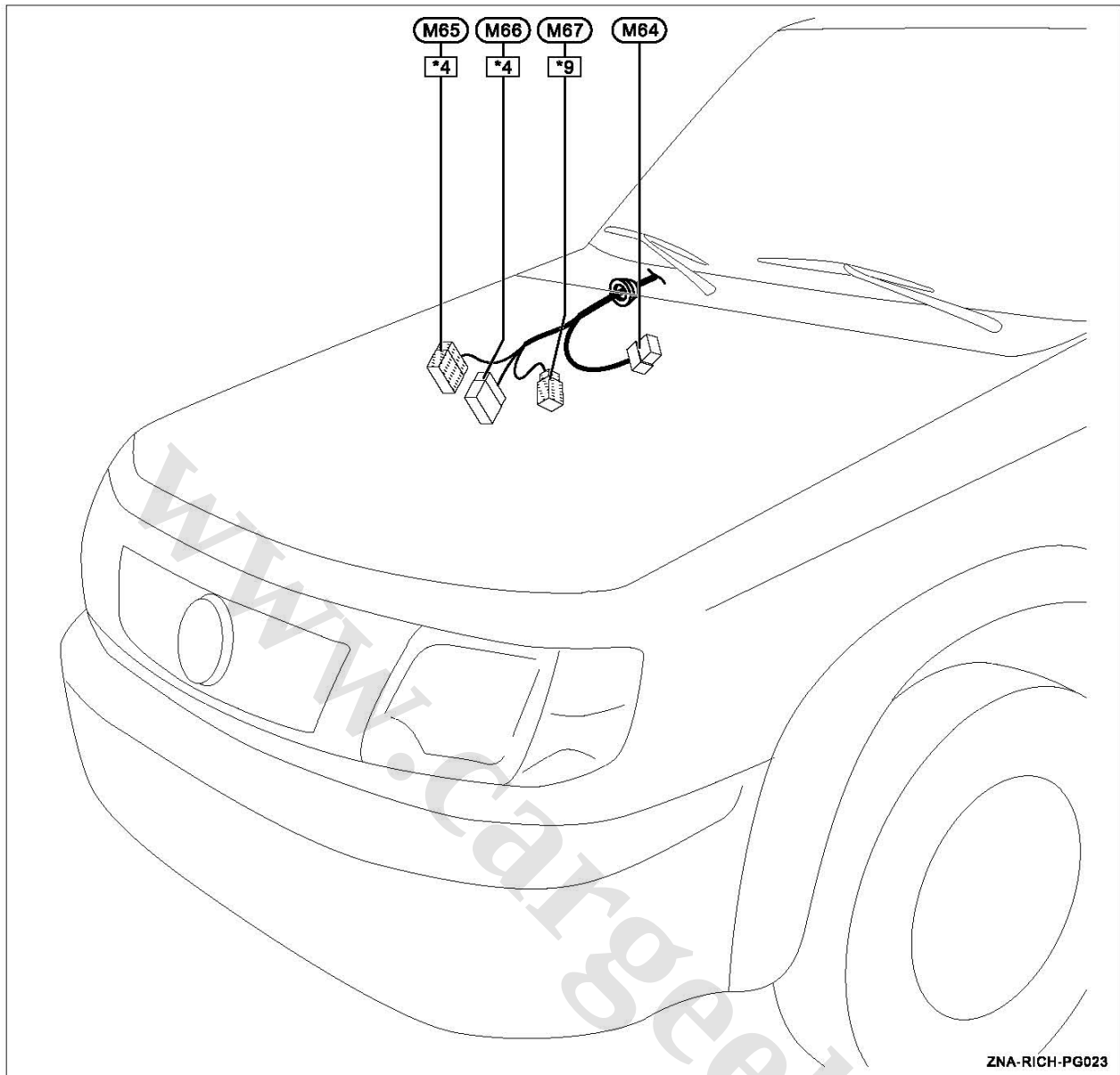


ZNA-RICH-PG004

Circuit layout

Circuit layout				GI
Connector No.	Name	Connector No.	Name	MA
M35	Wiring harness connector (connected to the engine compartment wiring harness)	M49(*2)	Connect the clutch pedal switch	EM
M36	Wiring harness connector (connected to the instrument wiring harness)	M50	Left main wiring harness grounding	LC
M37	Connect the rear compartment light	M51	Wiring harness connector (connected to the left front door wiring harness)	EC
M38	Wiring harness connector (connected to the indoor light wiring harness)	M52	Wiring harness connector (connected the left rear door wiring harness)	FE
M39	Connect the electric window relay	M53(*8)	Wiring harness connector (connected to the engine compartment wiring harness)	CL
M40	Connect the air conditioning panel backlight	M54	Connect the seat belt switch	MT
M41	Connect the heater switch	M55(*6)	Connect the rear oxygen sensor	AT
M42(*5)	Wiring harness connector (connected to the chassis wiring harness)	M56(*6)	Connect the main relay	TF
M43	Connect the heater motor	M57(*7)	Connect the splitter relay	PD
M44	Wiring harness connector (connected to the right front door wiring harness)	M58(*7)	Connect the diode	FA
M45	Connect the right front door switch	M60(*4)	Connect ECU	RA
M46	Connect the cassette player	M61(*4)	Connect ECU	BR
M47	Connect the reverse radar control panel	M62(*4)	ECU grounding point	ST
M48	Connect the air brake switch	M63(*4)	ECU grounding point	RS
Notes				BT
*2Applicable engine model	ZD25TCI/ZD22TE/ZD28D11-4DA/CYQD80-E4/ZD30D13-4N2			HA
*4Applicable engine model	ZD22TE/CYQD80-E4/ZD30D13-4N2			EL
*5Applicable engine model	ZD30D13-4N2/ZG24			PG
*6Applicable engine model	ZG24			
*7Applicable engine model	ZD28D11-4DA/ZD30D13-4N2			
*8Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24			

Circuit layout

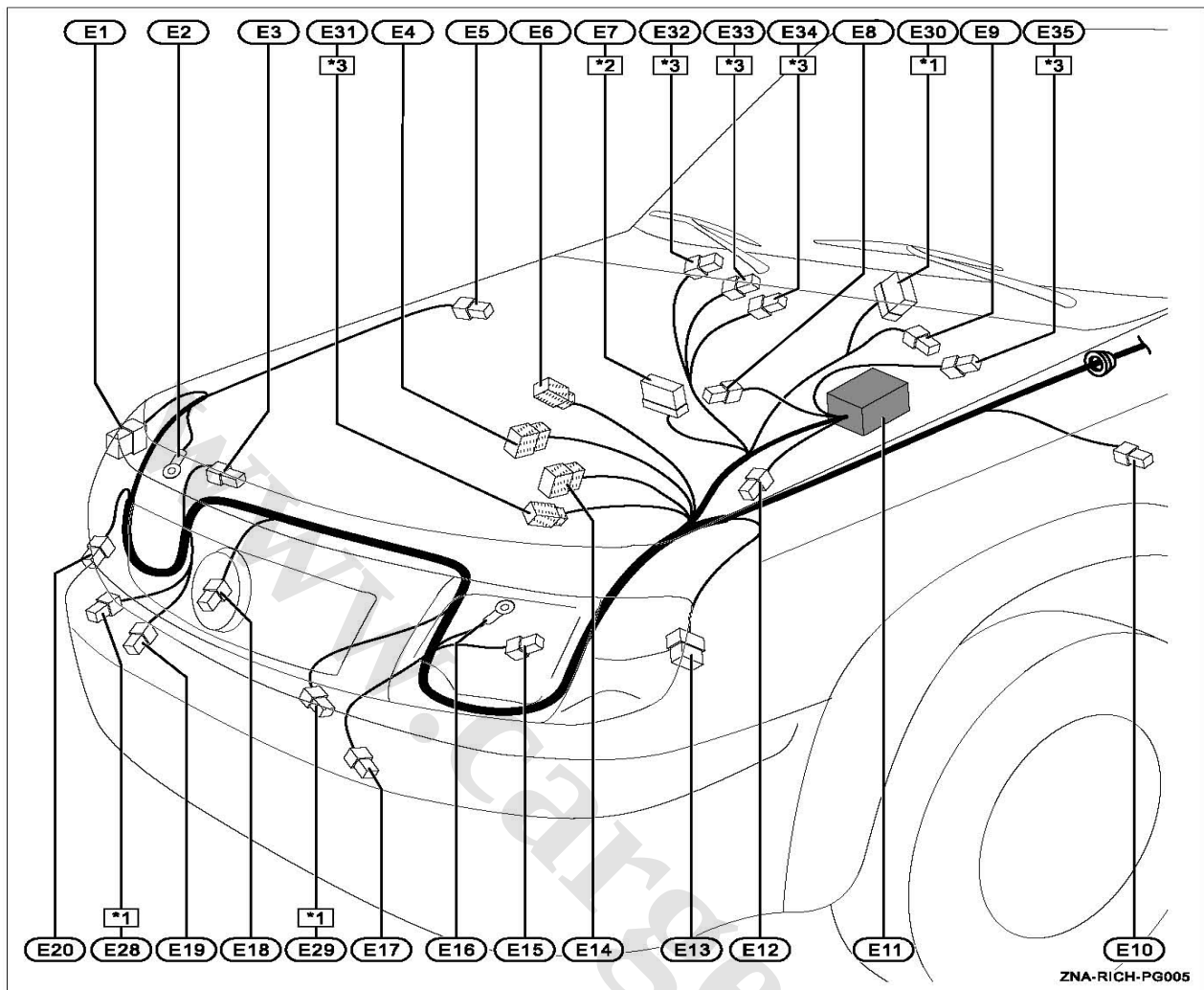


ZNA-RICH-PG023

Connector No.	Name	Connector No.	Name
M64	Connect the wiper motor	M66(*4)	Wiring harness connector (connected to the engine wiring harness)
M65(*4)	Wiring harness connector (connected to the engine wiring harness)	M67(*9)	Harness connectors (for engine compartment harnesses)
Notes			
*4Applicable engine model	ZD22TE/CYQD80-E4/ZD30D13-4N2		
*9Applicable engine model	ZD30D13-4N2		

Engine compartment wiring harness

Matching engines: ZD22TE/ZD25TCI/ZD28D11-4DA/ZG24



Connector No.	Name
E1	Connect the right front combination light
E2	Right engine compartment wiring harness grounding point
E3	Connect the bidirectional pressure switch
E4	Wiring harness connector (connected to the engine wiring harness)
E5	Connect the right turn signal light
E6	Wiring harness connector (connected to the engine wiring harness)
E7(*2)	Wiring harness connector (connected to the engine wiring harness)
E8	Wiring harness connector (connected to the engine wiring harness)
E9	Connect the low brake level alarm

Connector No.	Name
E10	Connect the left turn signal light
E11	Engine compartment fuse box
E12	Connect the battery positive pole
E13	Connect the left front combination light
E14	Wiring harness connector (connected to the engine wiring harness)
E15	Connect the left head lamp
E16	Left engine compartment wiring harness grounding point
E17	Connect the wash spray pump
E18	Connect the bass speaker

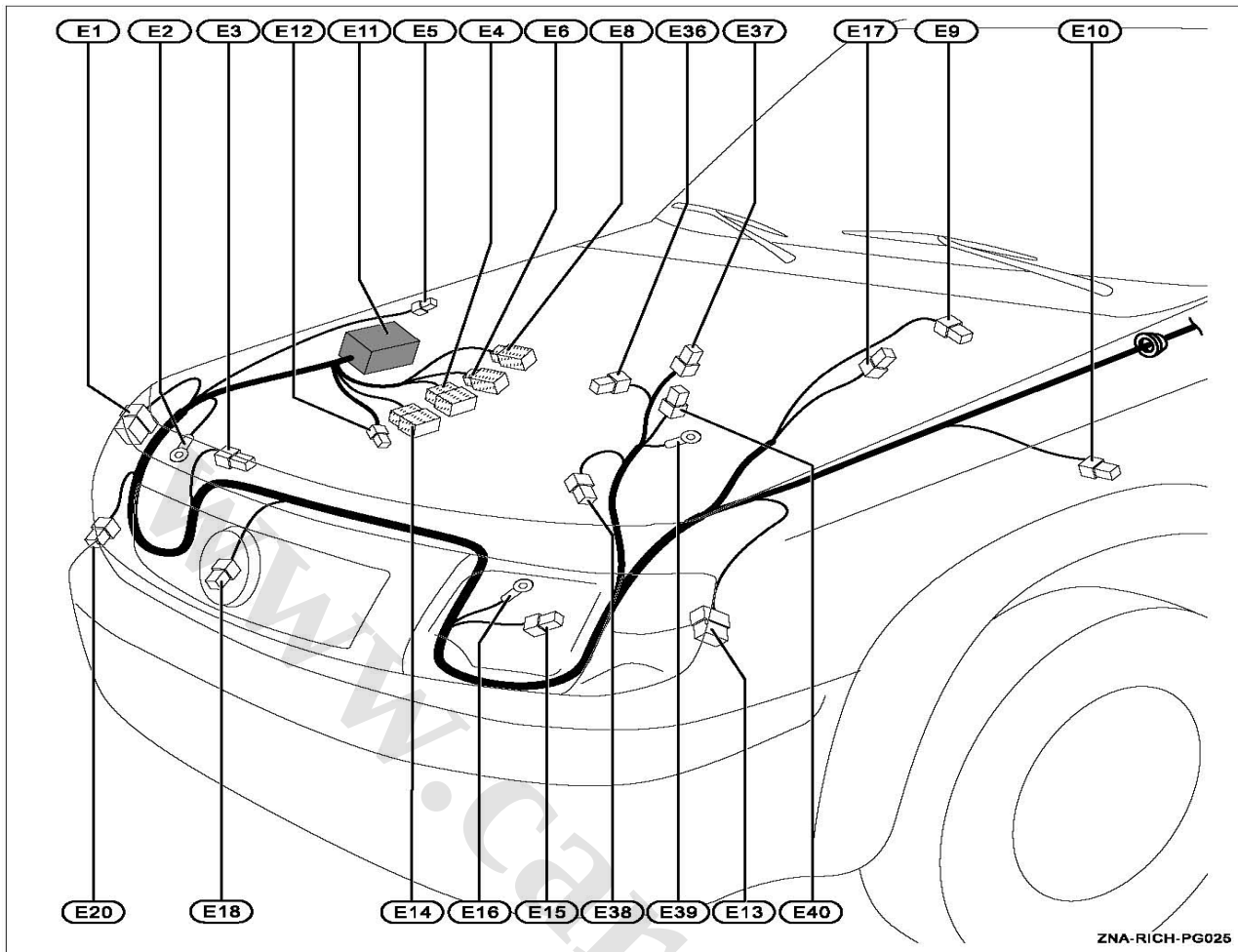
Circuit layout

E19	Connect the cooling fan	E31(*3)	Wiring harness connector (connected to the engine wiring harness)
E20	Connect the right front headlight	E32(*3)	Connect the fuel-water separator alarm switch
E28(*1)	Connect the right speed sensor	E33(*3)	Connect the fuel-water separator heater
E29(*1)	Connect the left speed sensor	E34(*3)	Connect the fuel-water separator
E30(*1)	Connect ABS module	E35(*3)	Connect the preheat relay

Notes

*1Applicable engine model	ZD25TCI(WithABS)/ZG24(WithABS)
*2Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24
*3Applicable engine model	ZD28D11-4DA

For vehicle model equipped with CYQD80-E4 engine



ZNA-RICH-PG025

Connector No.	Name
E1	Connect the right front combination light
E2	Right engine compartment wiring harness grounding point
E3	Connect the bidirectional pressure switch
E4	Wiring harness connector (connected to the engine wiring harness)
E5	Connect the right turn signal light
E6	Wiring harness connector (connected to the engine wiring harness)
E8	Wiring harness connector (connected to the engine wiring harness)
E9	Connect the low brake level alarm
E10	Connect the left turn signal light
E11	Engine compartment fuse box

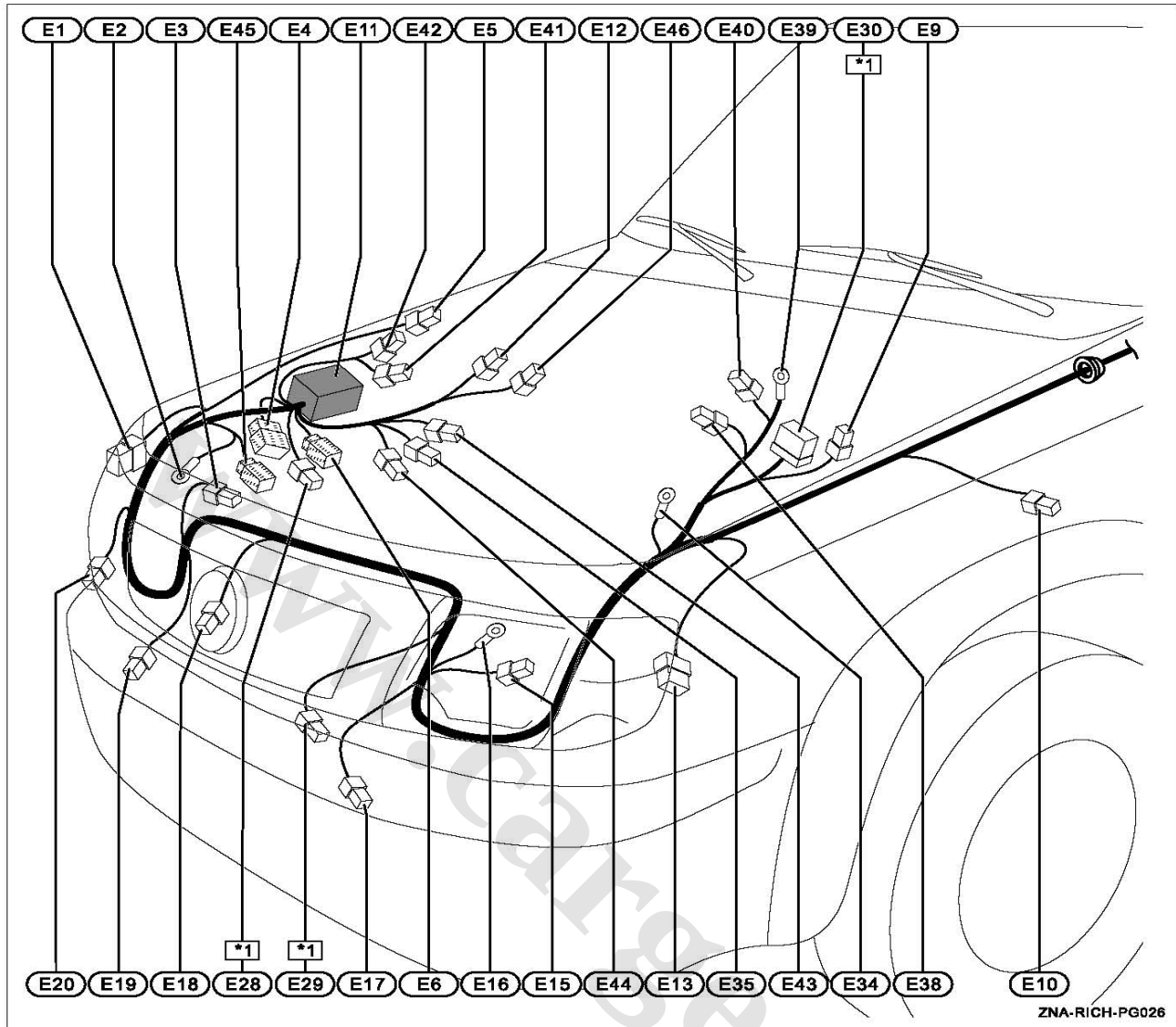
Connector No.	Name
E12	Connect the battery positive pole
E13	Connect the left front combination light
E14	Wiring harness connector (connected to the engine wiring harness)
E15	Connect the left head lamp
E16	Left engine compartment wiring harness grounding point
E17	Connect the wash spray pump
E18	Connect the bass speaker
E20	Connect the right front headlight
E36	Connect the engine coolant temperature sensor
E37	Connect the engine coolant temperature sensor (instrument)

Circuit layout

E38	Connect the compressor magnetic clutch	E40	Connect the generator
E39	Connect the generator		

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Engine model for equipped on ZD30D13-4N2.



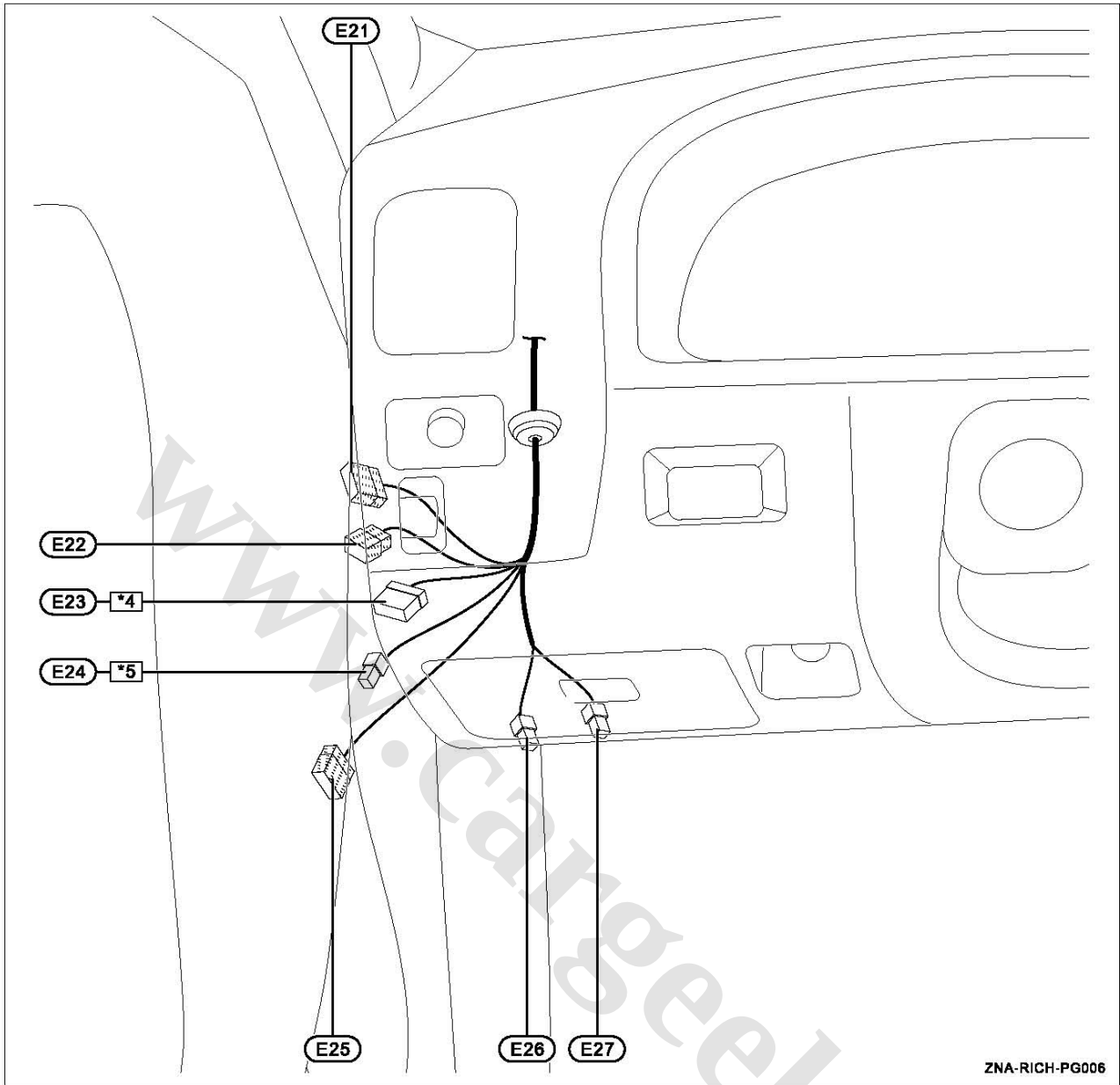
Connector No.	Name
E1	Connect the right front combination light
E2	Right engine compartment wiring harness grounding point
E3	Connect the bidirectional pressure switch
E4	Wiring harness connector (connected to the engine wiring harness)
E5	Connect the right turn signal light
E6	Wiring harness connector (connected to the engine wiring harness)
E9	Connect the low brake level alarm
E10	Connect the left turn signal light
E11	Engine compartment fuse box
E12	Connect the battery positive pole

Connector No.	Name
E13	Connect the left front combination light
E15	Connect the left head lamp
E16	Left engine compartment wiring harness grounding point
E17	Connect the wash spray pump
E18	Connect the bass speaker
E19	Connect the cooling fan
E20	Connect the right front headlight
E28(1)	Connect the right speed sensor
E29(*1)	Connect the left speed sensor
E30(*1)	Connect ABS module

Circuit layout

E34	Generator grounding	E42	Connect the fuel temperature sensor
E35	Connect the preheat relay	E43	Connect the starter relay
E38	Connect the compressor magnetic clutch	E44	Connect the preheat relay
E39	Connect the generator	E45	Wiring harness connector (connected to the main wiring harness)
E40	Connect the generator	E46	Connect the battery positive pole
E41	Connect the fuel preheater		
Notes			
*1Applicable engine model	ZD30D13-4N2(With ABS)		

Circuit layout



Connector No.	Name
E21	Wiring harness connector (connected to the main wiring harness)
E22	Wiring harness connector (connected to the main wiring harness)
E23(*4)	Wiring harness connector (connected to the main wiring harness)
E24(*5)	Wiring harness connector (connected to the main wiring harness)

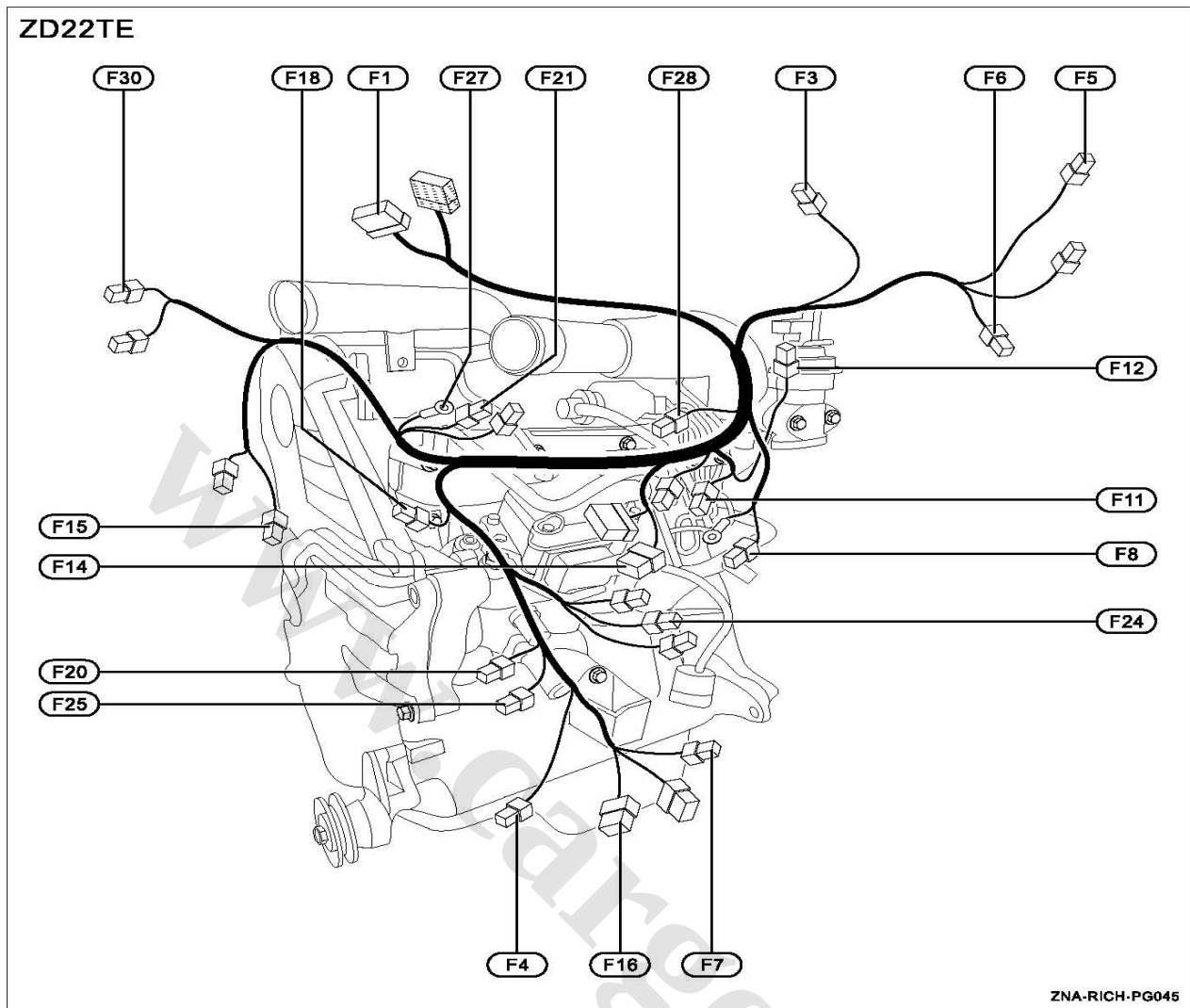
Connector No.	Name
E25	Wiring harness connector (connected to the main wiring harness)
E26	Connect the cockpit fuse box
E27	Connect the cockpit fuse box

Notes

*4Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24
*5Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24/ZD30D13-4N2

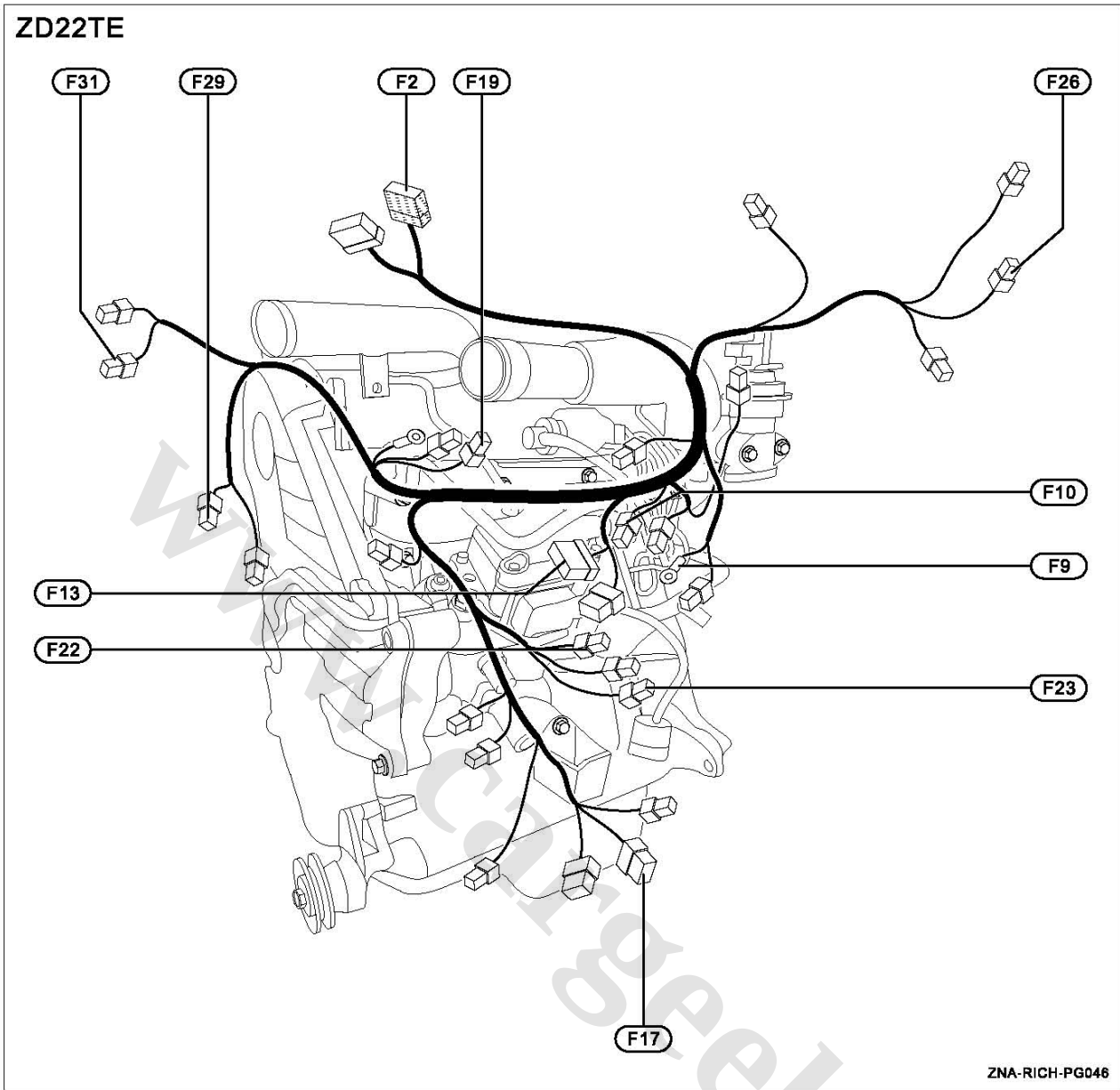
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Engine harness



Connector No.	Name
F1	Wiring harness connector (connected to the main wiring harness)
F3	Connect the crankshaft speed sensor
F4	Wiring harness connector (connected to the engine compartment wiring harness)
F5	Connect the speed sensor
F6	Connect the reverse switch
F7	Wiring harness connector (connected to the engine compartment wiring harness)
F8	Connect the starter solenoid switch
F11	Connect EGR solenoid valve
F12	Connect EGR lift sensor
F14	Connect the timing regulator

Connector No.	Name
F15	Connect the oil pressure alarm switch
F16	Wiring harness connector (connected to the engine compartment wiring harness)
F18	Preheater fuse
F20	Connect the starter relay
F21	Connect the preheater plug
F24	To heater of the fuel filter
F25	Connect the starter relay
F27	Engine wiring harness grounding point
F28	Connect the coolant temperature sensor
F30	Connect the generator

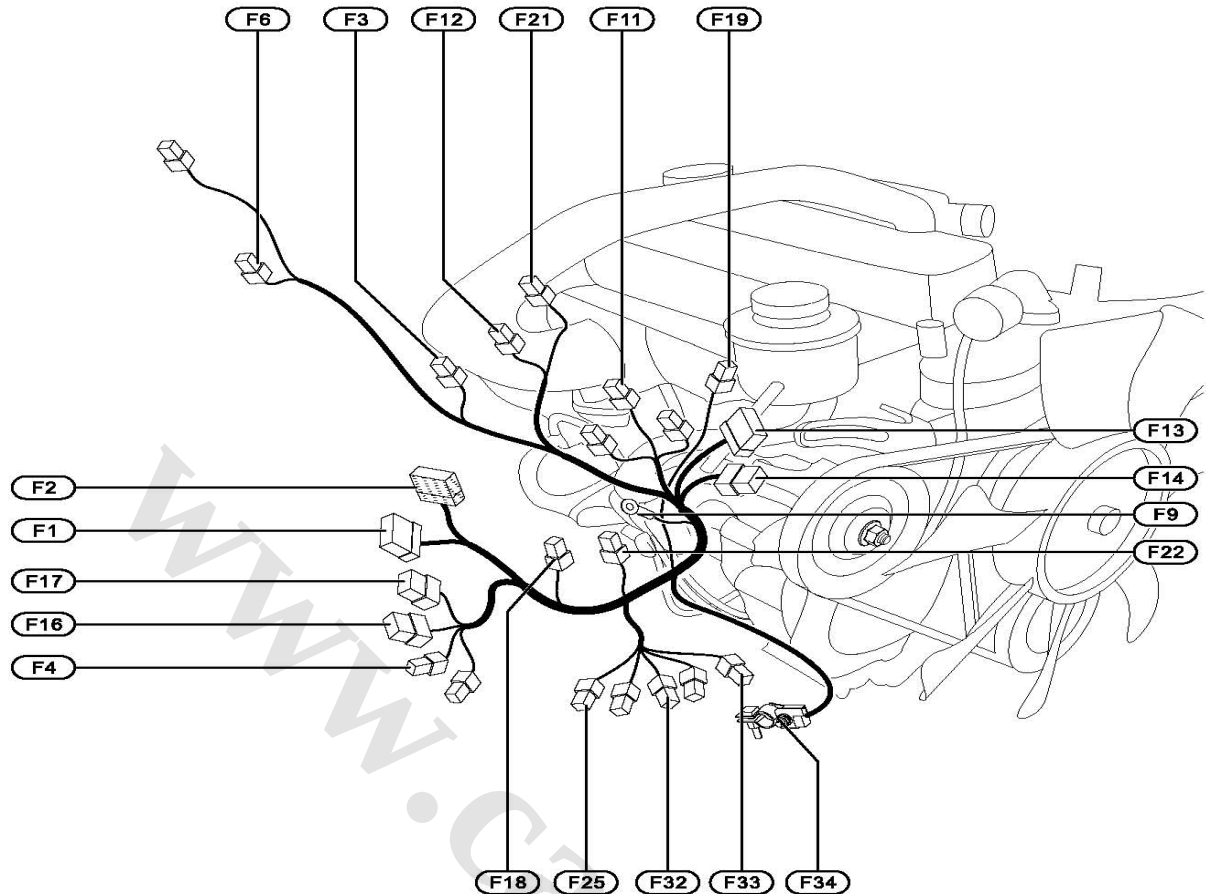


Connector No.	Name
F2	Wiring harness connector (connected to the main wiring harness)
F9	Connect the starter
F10	Connect the preheat relay
F13	Connect the fuel regulator
F17	Wiring harness connector (connected to the engine compartment wiring harness)
F19	Connect the intake air temperature and pressure sensors

Connector No.	Name
F22	Connect the fuel-water separator
F23	To fuel filter heating switch
F26	To differential-pressure sensor
F29	Connect the compressor magnetic clutch
F31	Connect the generator

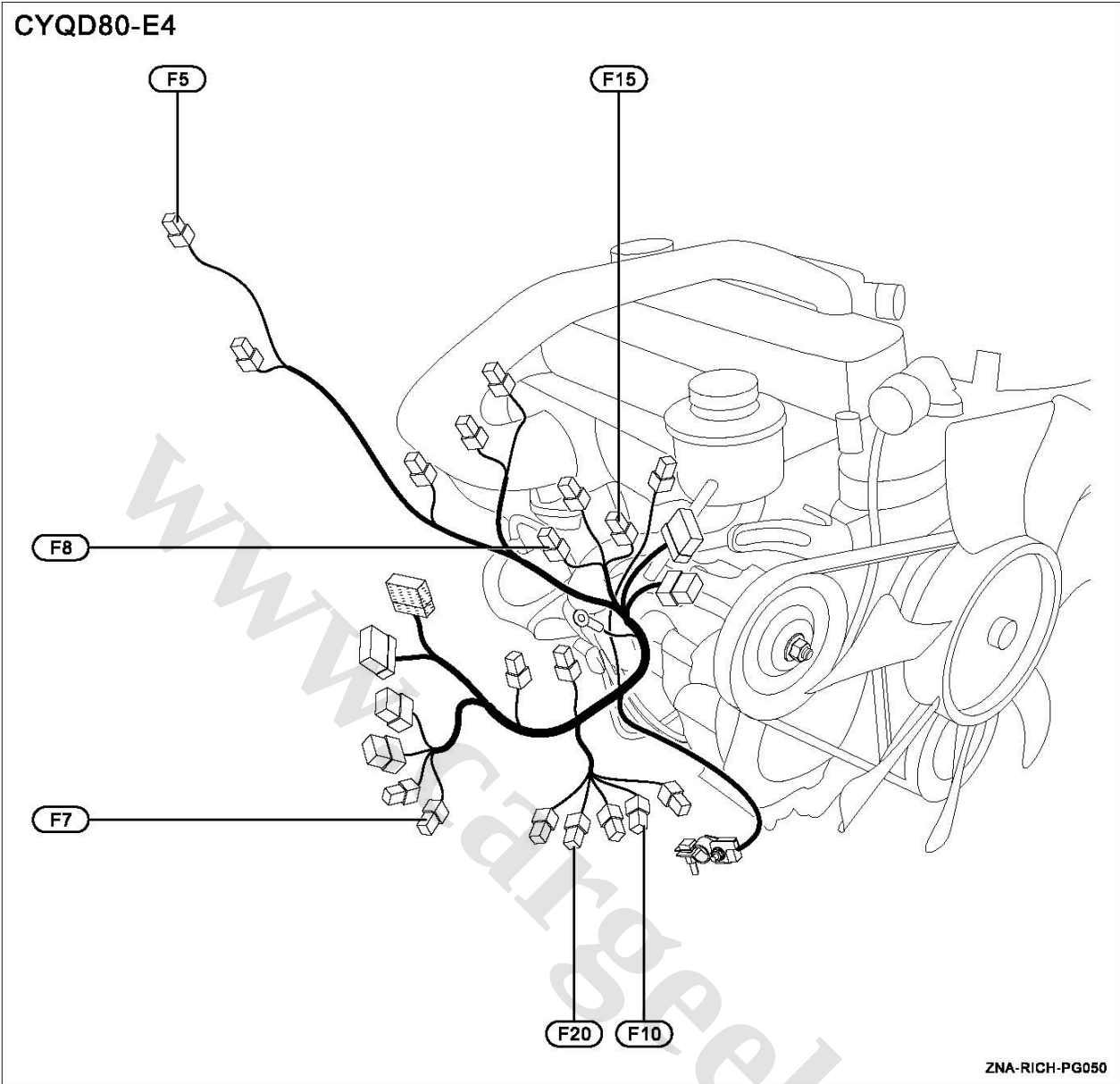
Circuit layout

CYQD80-E4



ZNA-RICH-PG049

Connector No.	Name	Connector No.	Name
F1	Wiring harness connector (connected to the main wiring harness)	F16	Wiring harness connector (connected to the engine compartment wiring harness)
F2	Wiring harness connector (connected to the main wiring harness)	F17	Wiring harness connector (connected to the engine compartment wiring harness)
F3	Connect the crankshaft speed sensor	F18	Preheater fuse
F4	Wiring harness connector (connected to the engine compartment wiring harness)	F19	Connect the intake air temperature and pressure sensors
F6	Connect the reverse switch	F21	Connect the preheater plug
F9	Connect the starter	F22	Connect the fuel-water separator
F11	Connect EGR solenoid valve	F25	Connect the starter relay
F12	Connect EGR lift sensor	F32	Connect the preheat relay
F13	Connect the fuel regulator	F33	Connect the preheat relay
F14	Connect the timing regulator	F34	Connect the battery positive pole

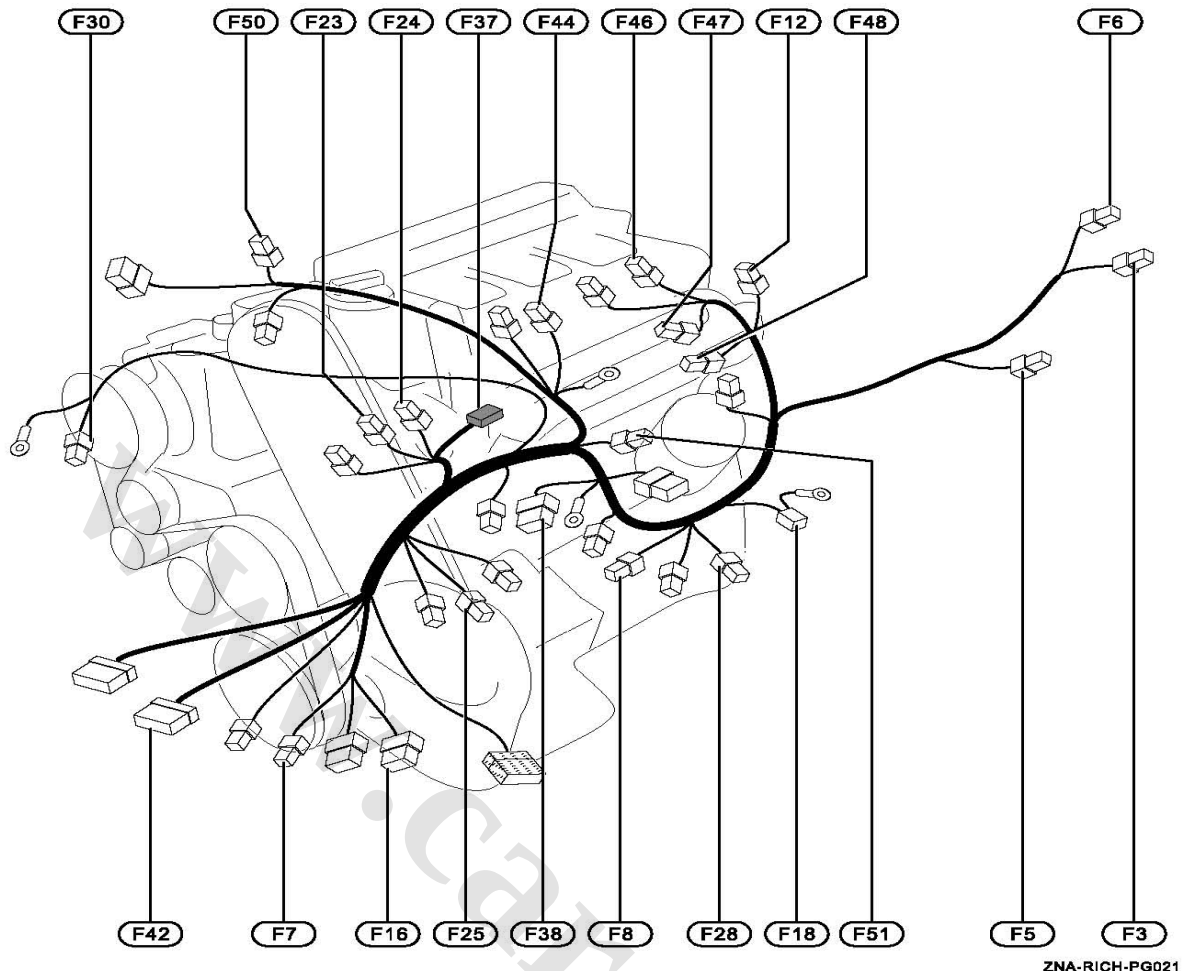


Connector No.	Name
F5	Connect the speed sensor
F7	Wiring harness connector (connected to the engine compartment wiring harness)
F8	Connect the starter solenoid switch

Connector No.	Name
F10	Connect the preheat relay
F15	Connect the oil pressure alarm switch
F20	Connect the starter relay

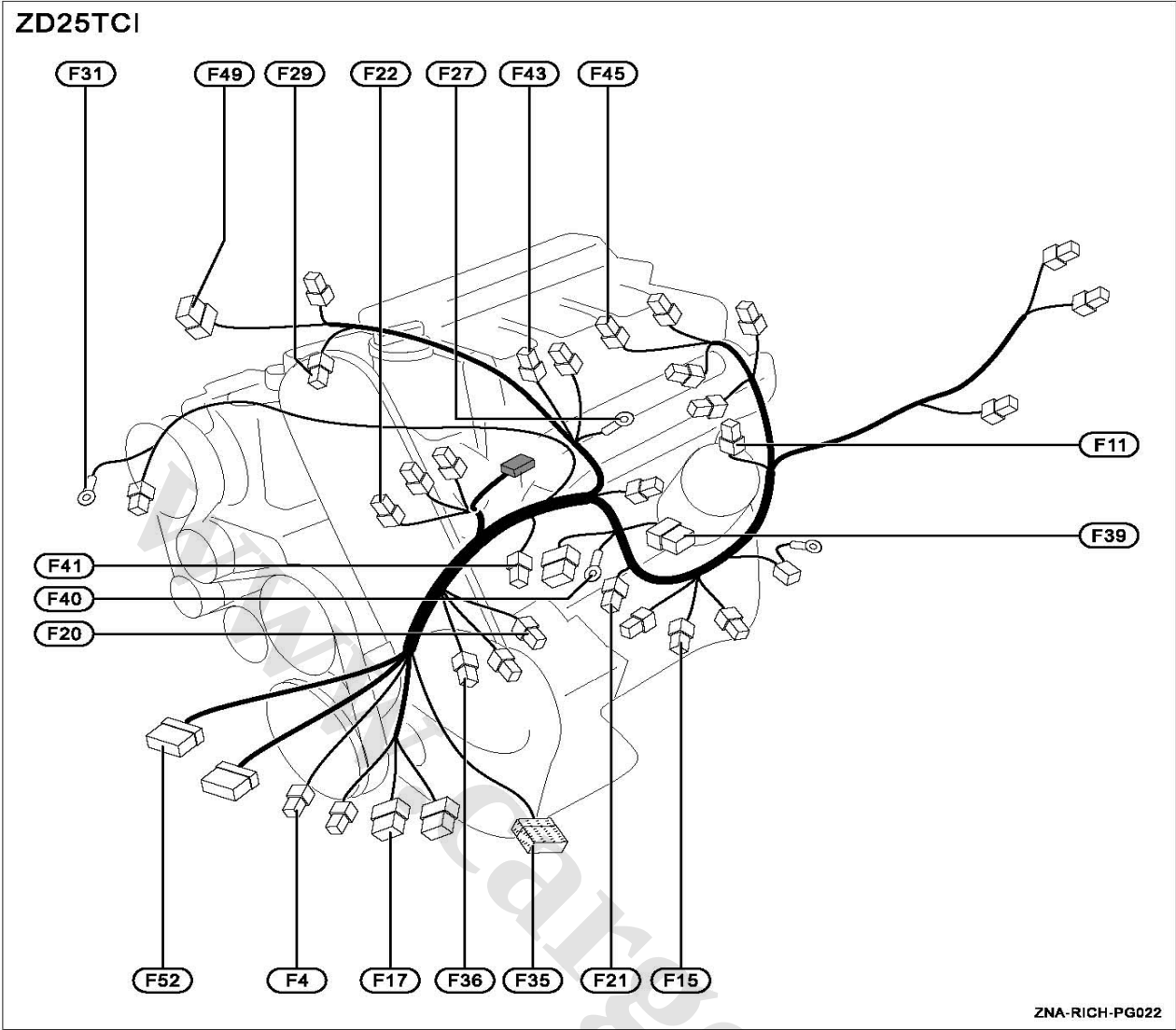
Circuit layout

ZD25TCI



Connector No.	Name
F3	Connect the crankshaft speed sensor
F5	Connect the speed sensor
F6	Connect the reverse switch
F7	Wiring harness connector (connected to the engine compartment wiring harness)
F8	Connect the starter solenoid switch
F12	Connect EGR lift sensor
F16	Wiring harness connector (connected to the engine compartment wiring harness)
F18	Preheater fuse
F23	Connect the starter relay
F24	Connect the preheat relay
F25	Connect the starter relay

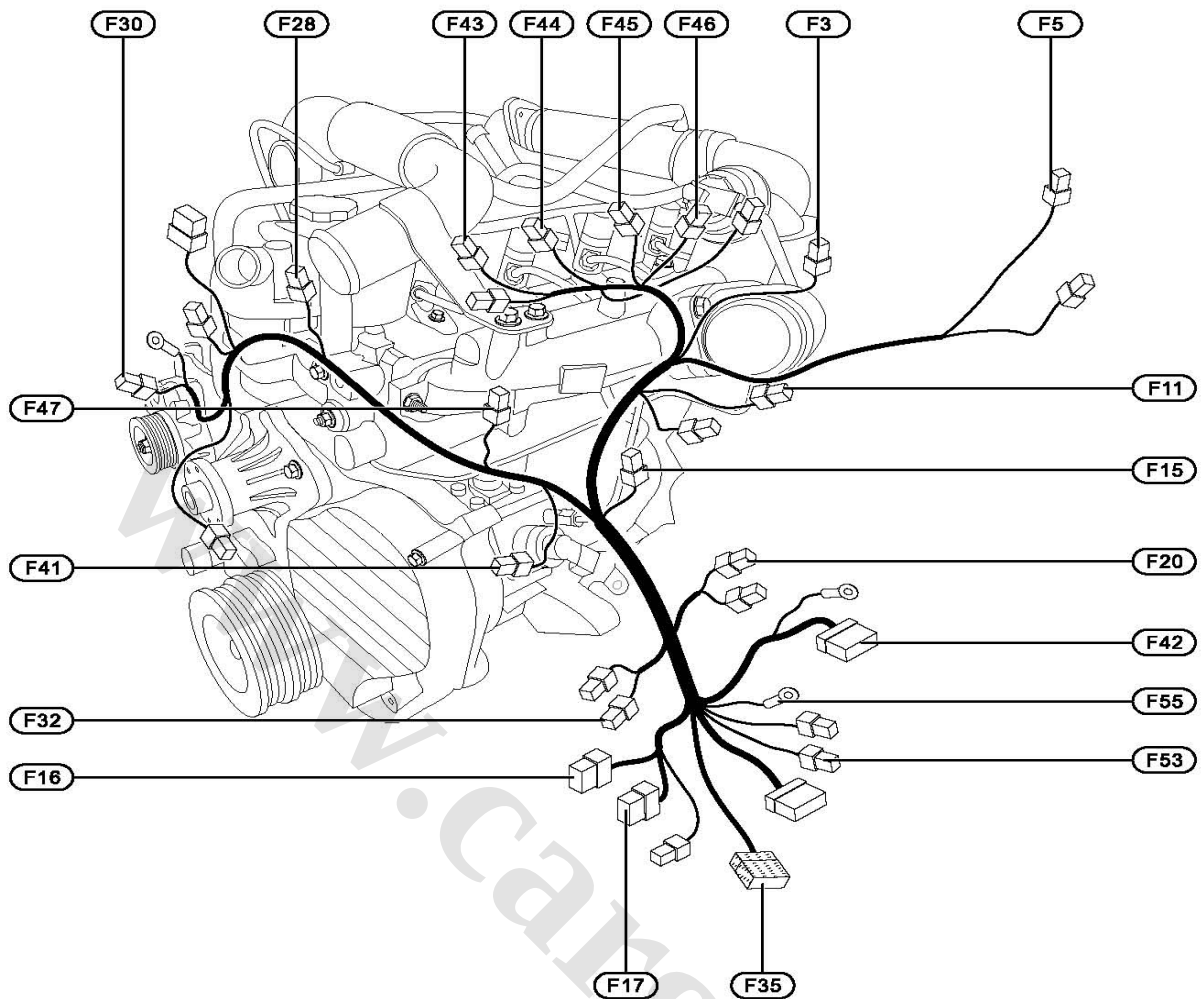
Connector No.	Name
F28	Connect the coolant temperature sensor
F30	Connect the generator
F37	Engine harness fuse box
F38	Connect the preheater control unit
F42	Connect ECU
F44	Connect II cylinder fuel injector
F46	Connect IV cylinder fuel injector
F47	Connect the rail pressure sensor
F48	Connect the throttle actuator
F50	Connect the camshaft position sensor
F51	Connect the fuel-water separator heater relay



Connector No.	Name
F4	Wiring harness connector (connected to the engine compartment wiring harness)
F11	Connect EGR solenoid valve
F15	Connect the oil pressure alarm switch
F17	Wiring harness connector (connected to the engine compartment wiring harness)
F20	Connect the starter relay
F21	Connect the preheater plug
F22	Connect the fuel-water separator
F27	Engine wiring harness grounding point
F29	Connect the compressor magnetic clutch
F31	Connect the generator

Connector No.	Name
F35	Wiring harness connector (connected to the engine compartment wiring harness)
F36	Connect the main relay
F39	Connect the preheater control unit
F40	Connect the preheater control unit
F41	Connect the high-pressure oil pump control valve
F43	Connect I cylinder oil injector
F45	Connect III cylinder fuel injector
F49	Connect the air flow meter
F52	Connect ECU

ZD28D11-4DA

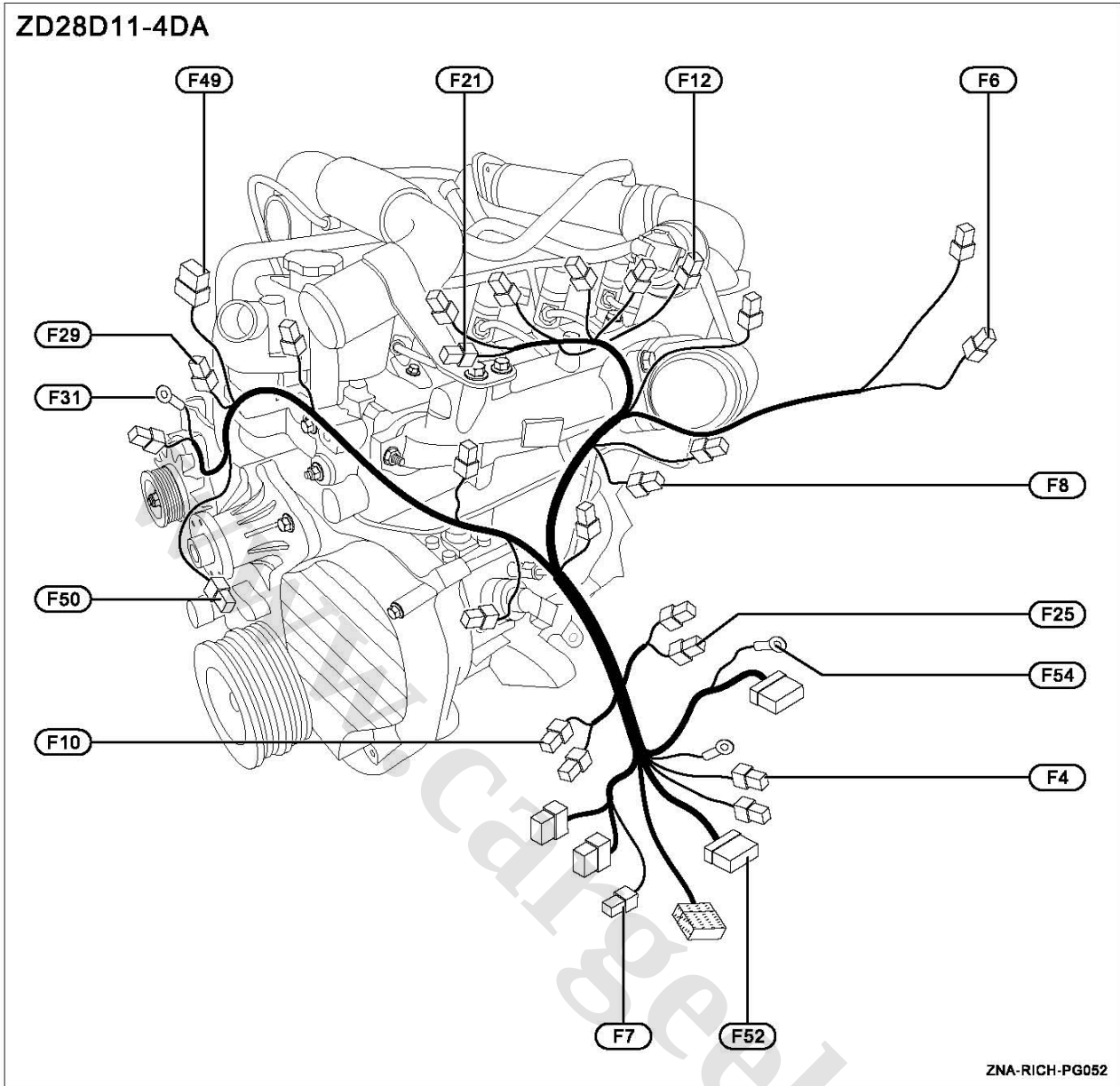


ZNA-RICH-PG051

Connector No.	Name
F3	Connect the crankshaft speed sensor
F5	Connect the speed sensor
F11	Connect EGR solenoid valve
F15	Connect the oil pressure alarm switch
F16	Wiring harness connector (connected to the engine compartment wiring harness)
F17	Wiring harness connector (connected to the engine compartment wiring harness)
F20	Connect the starter relay
F28	Connect the coolant temperature sensor
F30	Connect the generator
F32	Connect the preheat relay

Connector No.	Name
F35	Wiring harness connector (connected to the engine compartment wiring harness)
F41	Connect the high-pressure oil pump control valve
F42	Connect ECU
F43	Connect I cylinder oil injector
F44	Connect II cylinder fuel injector
F45	Connect III cylinder fuel injector
F46	Connect IV cylinder fuel injector
F47	Connect the rail pressure sensor
F53	Wiring harness connector (connected to the engine compartment wiring harness)
F55	ECU body grounding

ZD28D11-4DA



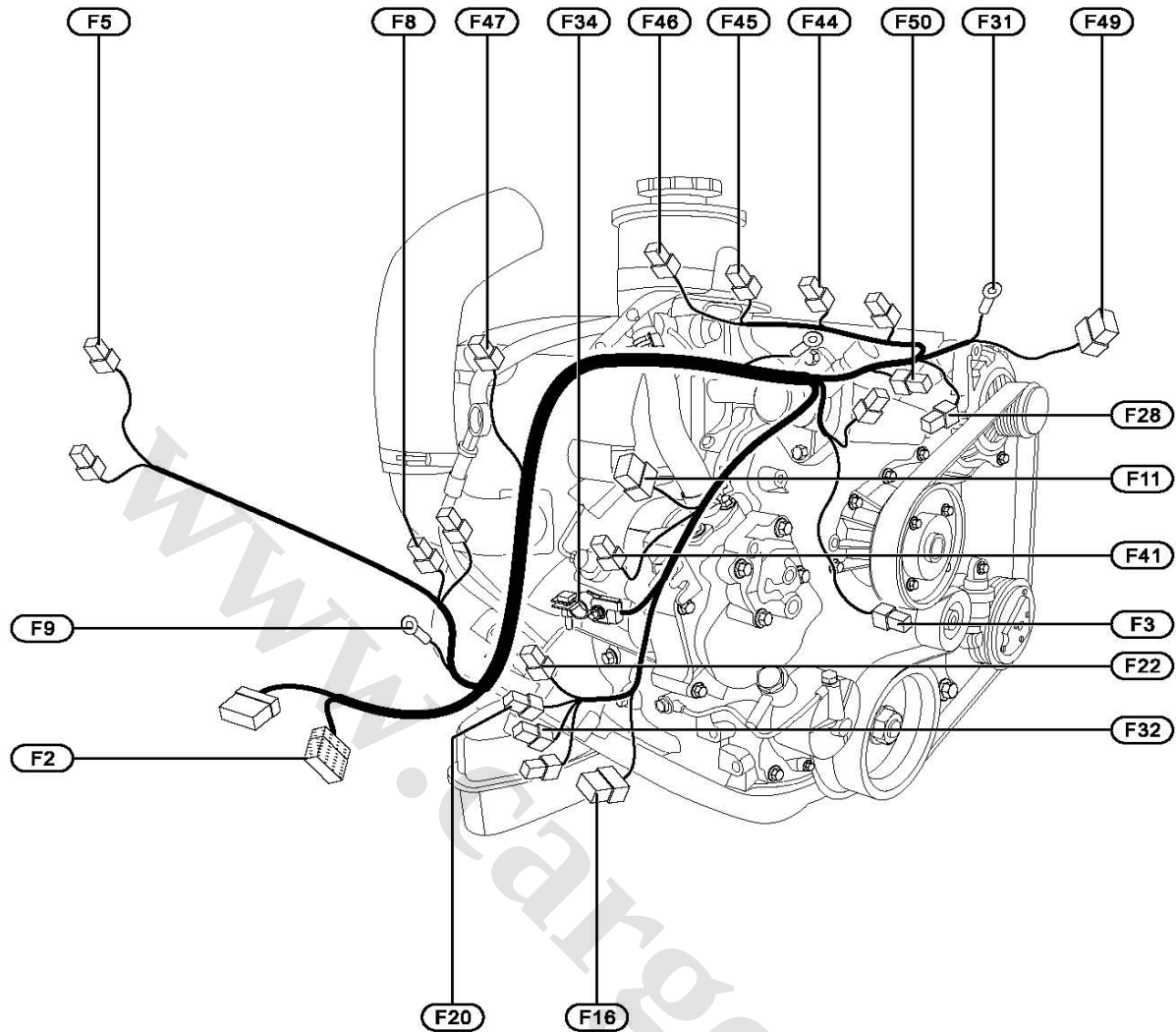
ZNA-RICH-PG052

Connector No.	Name
F4	Wiring harness connector (connected to the engine compartment wiring harness)
F6	Connect the reverse switch
F7	Wiring harness connector (connected to the engine compartment wiring harness)
F8	Connect the starter solenoid switch
F10	Connect the preheat relay
F12	Connect EGR lift sensor
F21	Connect the preheater plug

Connector No.	Name
F25	Connect the starter relay
F29	Connect the compressor magnetic clutch
F31	Connect the generator
F49	Connect the air flow meter
F50	Connect the camshaft position sensor
F52	Connect ECU
F54	ECU bracket grounding

Circuit layout

ZD30DB-4N2

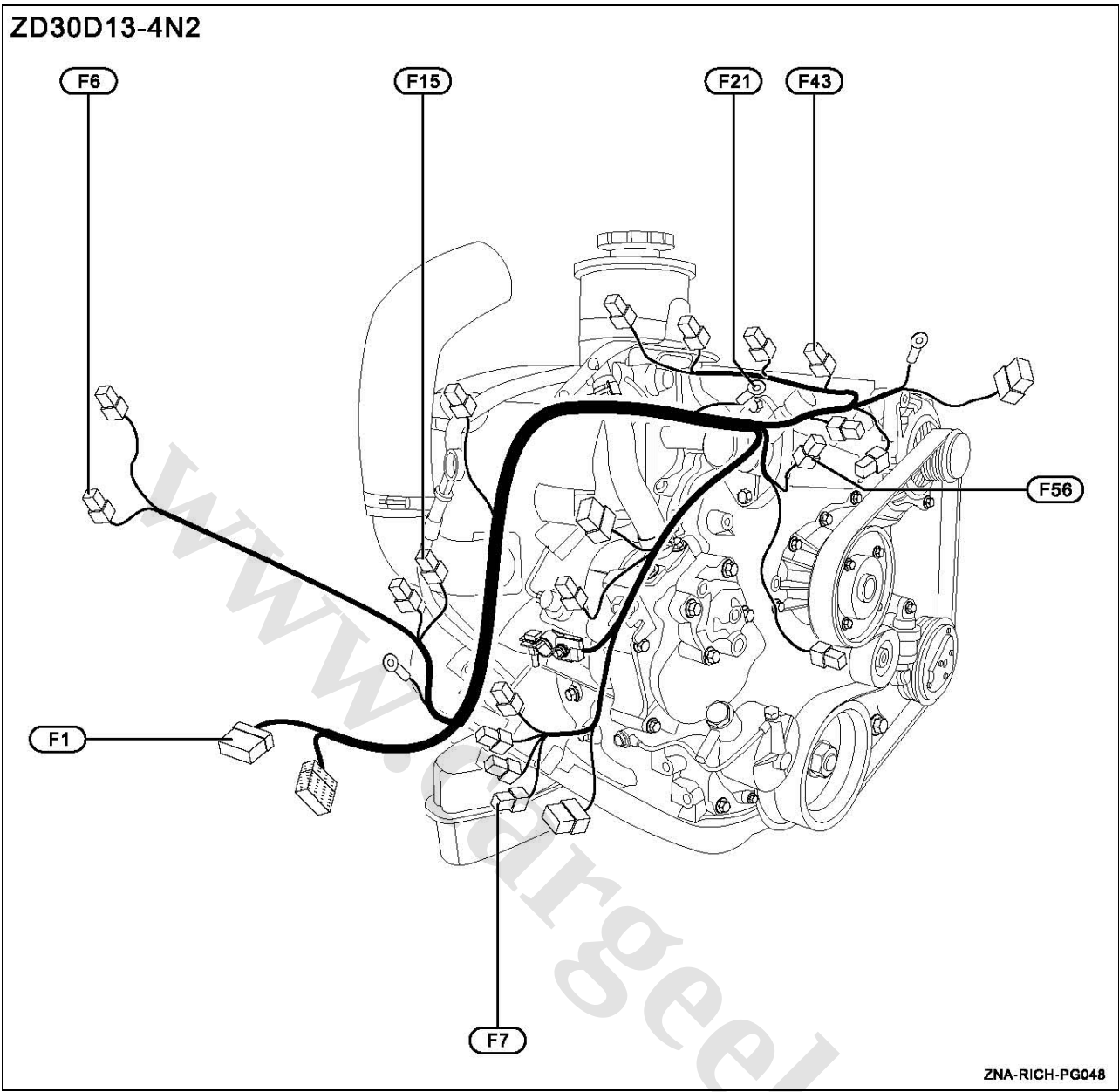


ZNA-RICH-PG047

Connector No.	Name
F2	Wiring harness connector (connected to the main wiring harness)
F3	Connect the crankshaft speed sensor
F5	Connect the speed sensor
F8	Connect the starter solenoid switch
F9	Connect the starter
F11	Connect EGR solenoid valve
F16	Wiring harness connector (connected to the engine compartment wiring harness)
F20	Connect the starter relay
F22	Connect the fuel-water separator
F28	Connect the coolant temperature sensor

Connector No.	Name
F31	Connect the generator
F32	Connect the preheat relay
F34	Connect the battery positive pole
F41	Connect the high-pressure oil pump control valve
F44	Connect II cylinder fuel injector
F45	Connect III cylinder fuel injector
F46	Connect IV cylinder fuel injector
F47	Connect the rail pressure sensor
F49	Connect the air flow meter
F50	Connect the camshaft position sensor

Circuit layout

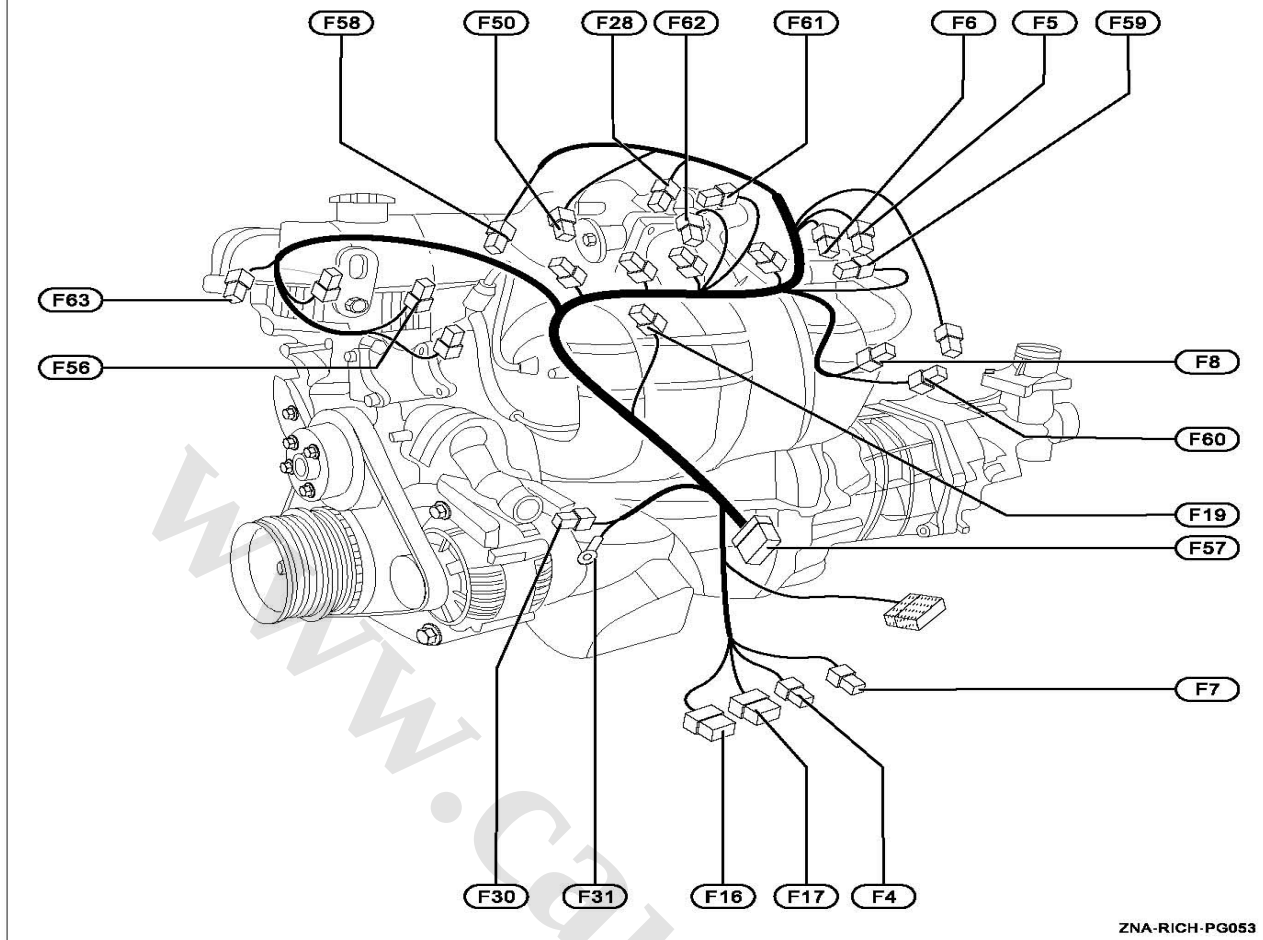


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Connector No.	Name
F1	Wiring harness connector (connected to the main wiring harness)
F6	Connect the reverse switch
F7	Wiring harness connector (connected to the engine compartment wiring harness)
F15	Connect the oil pressure alarm switch

Connector No.	Name
F21	Connect the preheater plug
F43	Connect I cylinder oil injector
F56	Coolant temperature sensor (instrument)

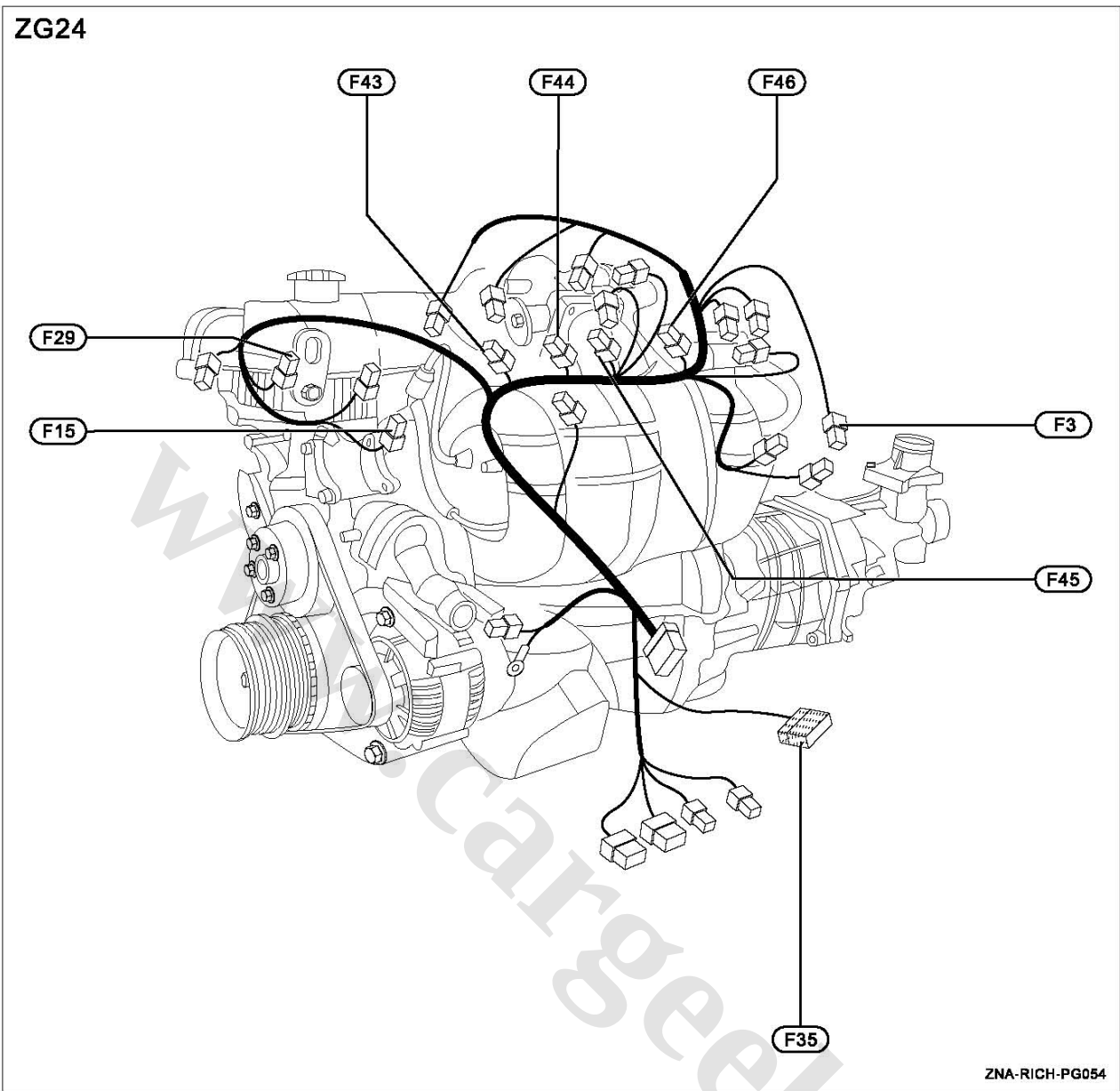
ZG24



ZNA-RICH-PG053

Connector No.	Name
F4	Wiring harness connector (connected to the engine compartment wiring harness)
F5	Connect the speed sensor
F6	Connect the reverse switch
F7	Wiring harness connector (connected to the engine compartment wiring harness)
F8	Connect the starter solenoid switch
F16	Wiring harness connector (connected to the engine compartment wiring harness)
F17	Wiring harness connector (connected to the engine compartment wiring harness)
F19	Connect the intake air temperature and pressure sensors
F28	Connect the coolant temperature sensor
F30	Connect the generator

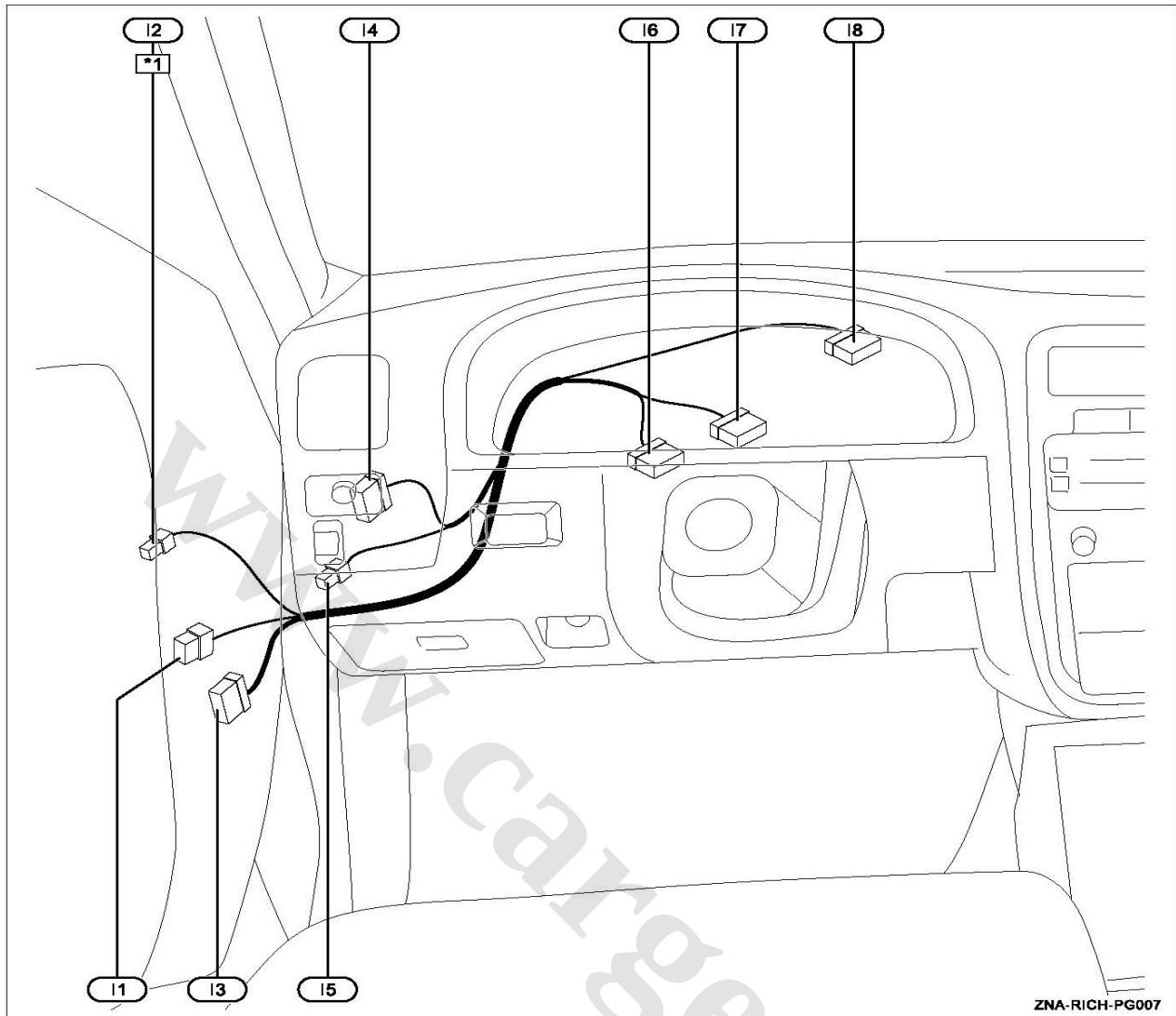
Connector No.	Name
F31	Connect the generator
F50	Connect the camshaft position sensor
F56	To coolant temperature sensor (instrument)
F57	Connect ECU
F58	To front Oxygen sensor
F59	To valve EGR
F60	To knock sensor
F61	To Idle air control valve
F62	To throttle gate position sensor
F63	To ignition coil



Connector No.	Name
F3	Connect the crankshaft speed sensor
F15	Connect the oil pressure alarm switch
F29	Connect the compressor magnetic clutch
F35	Wiring harness connector (connected to the engine compartment wiring harness)

Connector No.	Name
F43	Connect I cylinder oil injector
F44	Connect II cylinder fuel injector
F45	Connect III cylinder fuel injector
F46	Connect IV cylinder fuel injector

Instrument wiring harness



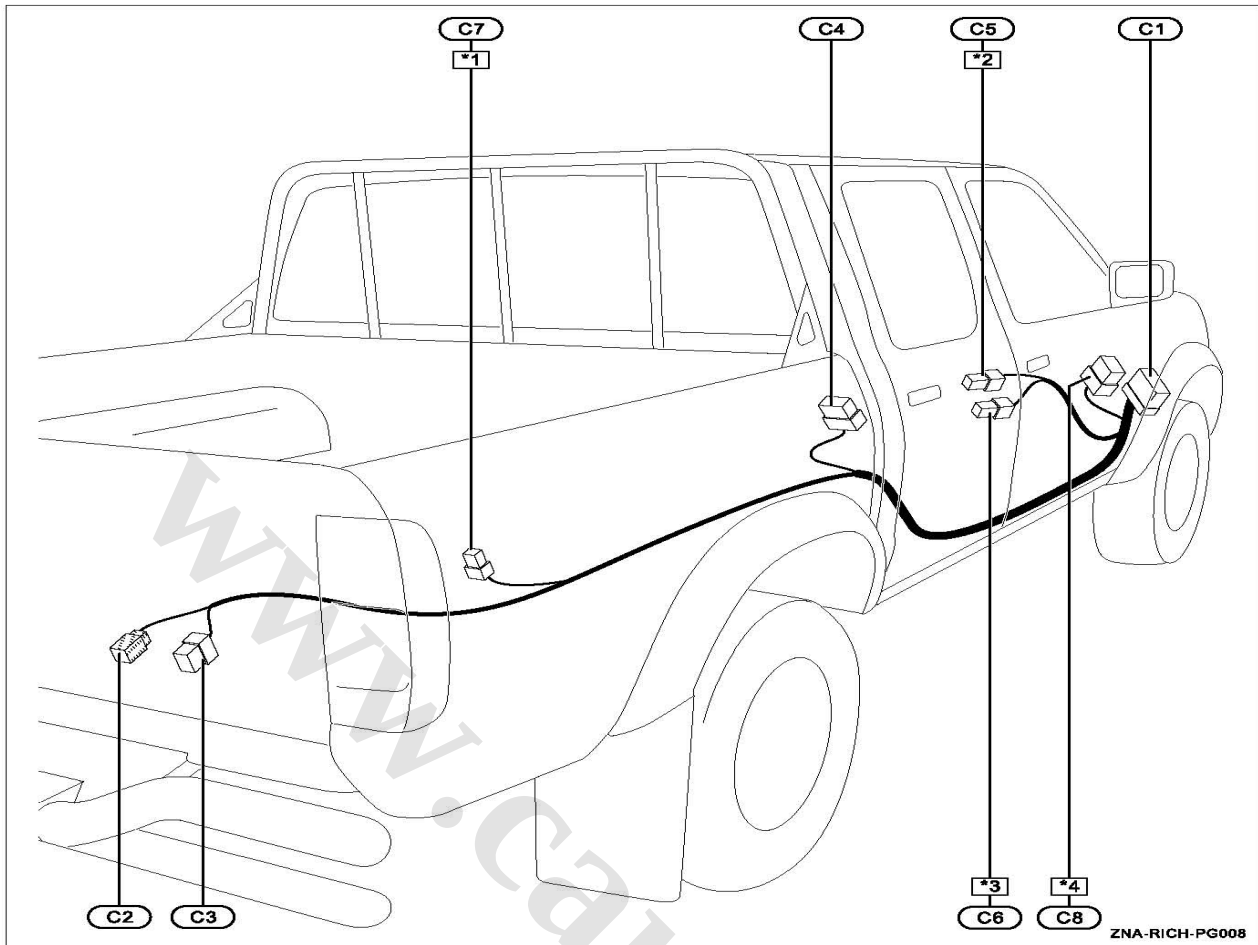
ZNA-RICH-PG007

Connector No.	Name	Connector No.	Name
I1	Wiring harness connector (connected to the main wiring harness)	I5	Connect the rear fog light switch
I2(*1)	Wiring harness connector (connected to the main wiring harness)	I6	Connect the combination instrument
I3	Wiring harness connector (connected to the main wiring harness)	I7	Connect the combination instrument
I4	Connect the electric backview mirror switch	I8	Connect the combination instrument

Notes

1. Applicable engine model	ZD22TE/ZD25TCI/ZD28D11_4DA/CYQD80_E4/ZG24
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Chassis harness



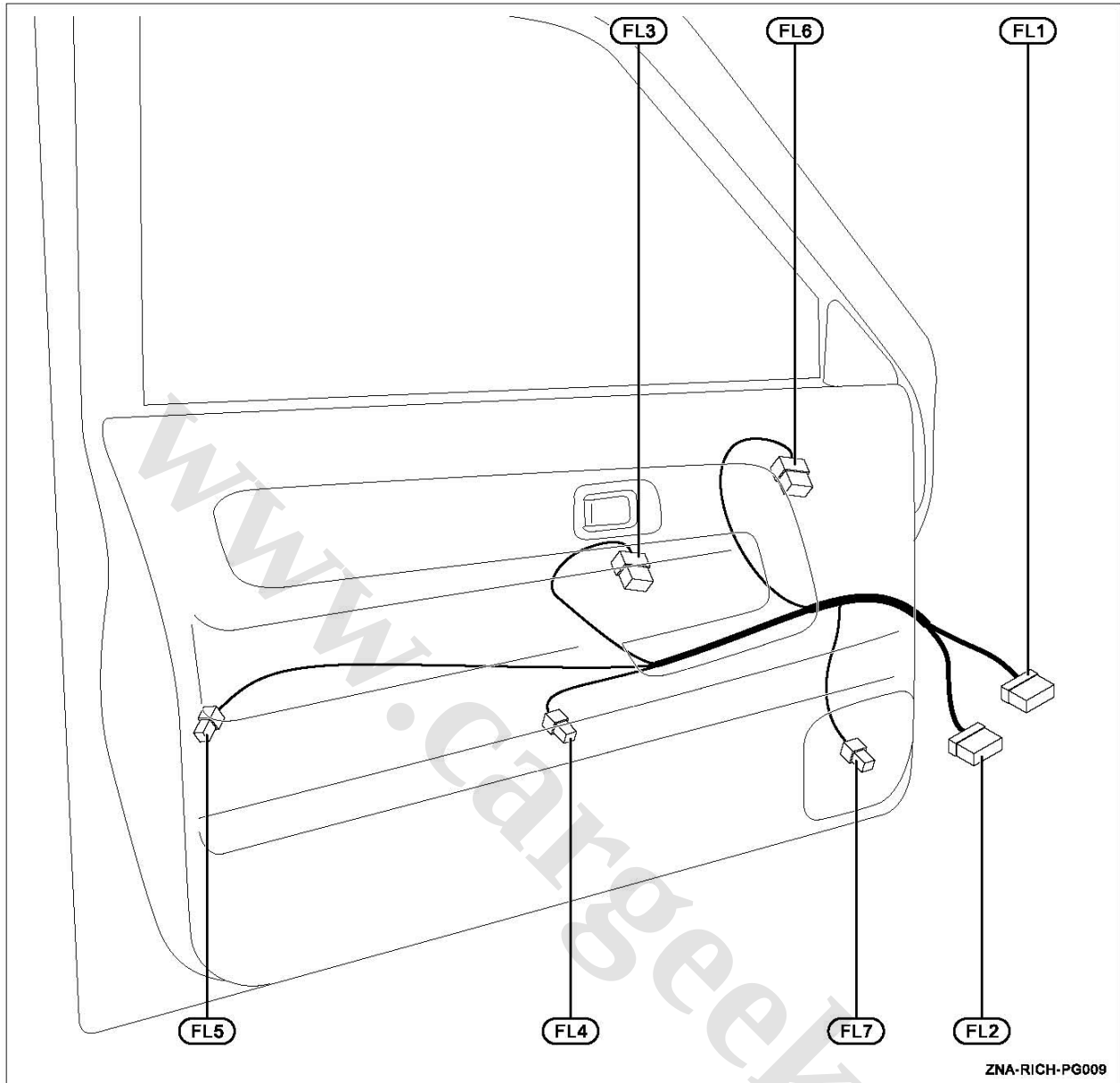
Connector No.	Name
C1	Wiring harness connector (connected to the main wiring harness)
C2	Wiring harness connector (connected to the auxiliary wiring harness)
C3	Wiring harness connector (connected to the taillight wiring harness)
C4	To fuel level sensor

Connector No.	Name
C5(*2)	To four-wheel drive switch
C6(*3)	To transfer box solenoid
C7(*1)	To wheel speed sensor RH
C8(*4)	Wiring harness connector (connected to the main wiring harness)

Notes

*1Applicable engine model	ZD25TCI(2WD, with ABS)/ZD30D13-4N2/ZG24
*2Applicable engine model	ZD25TCI(4WD)/ZD28D11-4DA(4WD)/CYQD80-E4(4WD)/ZD30D13-4N2(4WD)/ZD22TE(4WD)/ZG24(4WD)
*3Applicable engine model	ZD25TCI(4WD)/ZD28D11-4DA(4WD)/CYQD80-E4(4WD)/ZD30D13-4N2(4WD)
*4Applicable engine model	ZD30D13-4N2(4WD)/ZG24

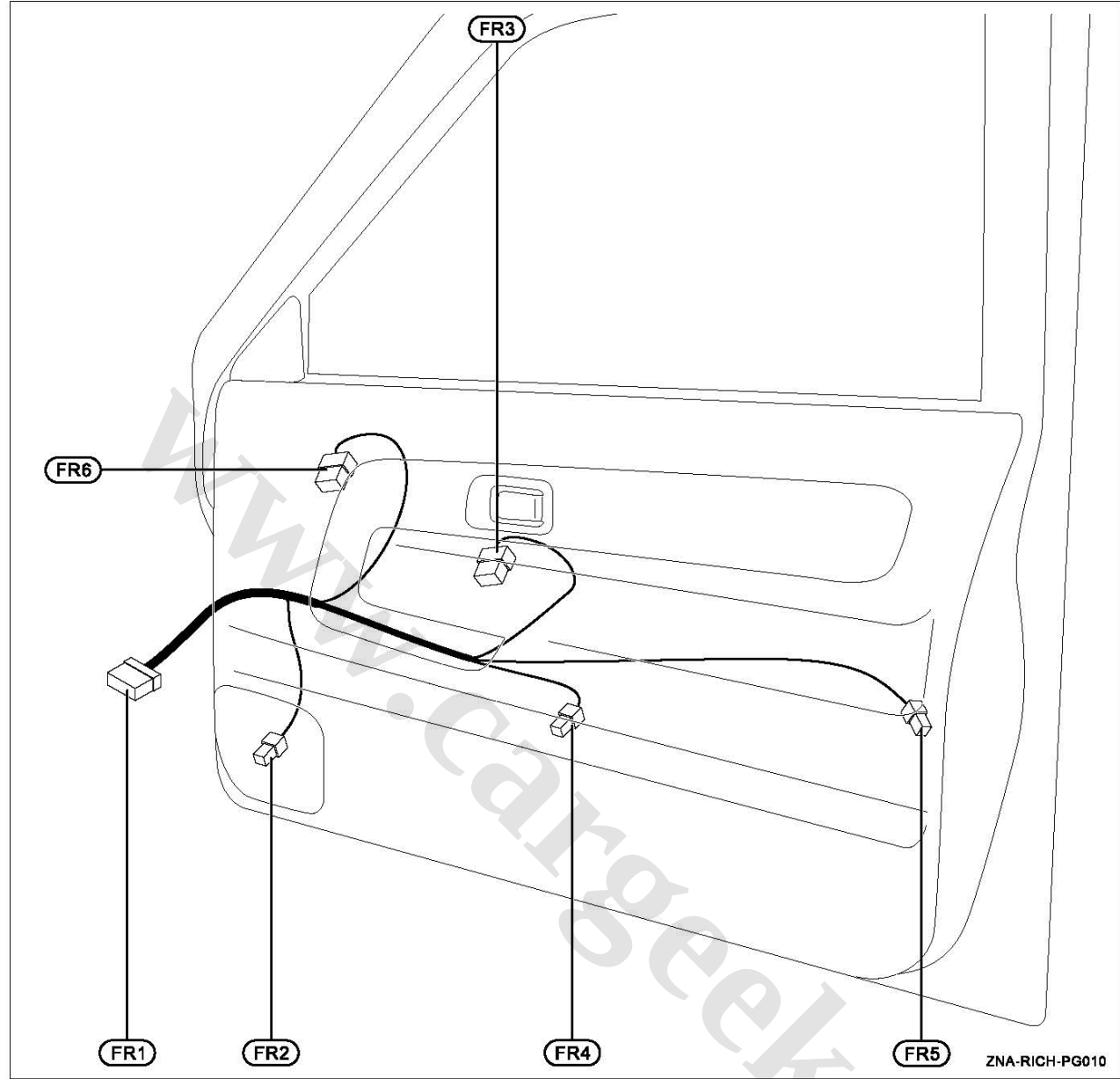
Left front door wiring harness



Connector No.	Name
FL1	Wiring harness connector (connected to the main wiring harness)
FL2	Wiring harness connector (connected to the main wiring harness)
FL3	Connect the front left door window switch
FL4	Connect left front window motor

Connector No.	Name
FL5	Connect the left front door lock motor
FL6	Connect the left front rear-view mirror motor
FL7	Connect the left front door speaker

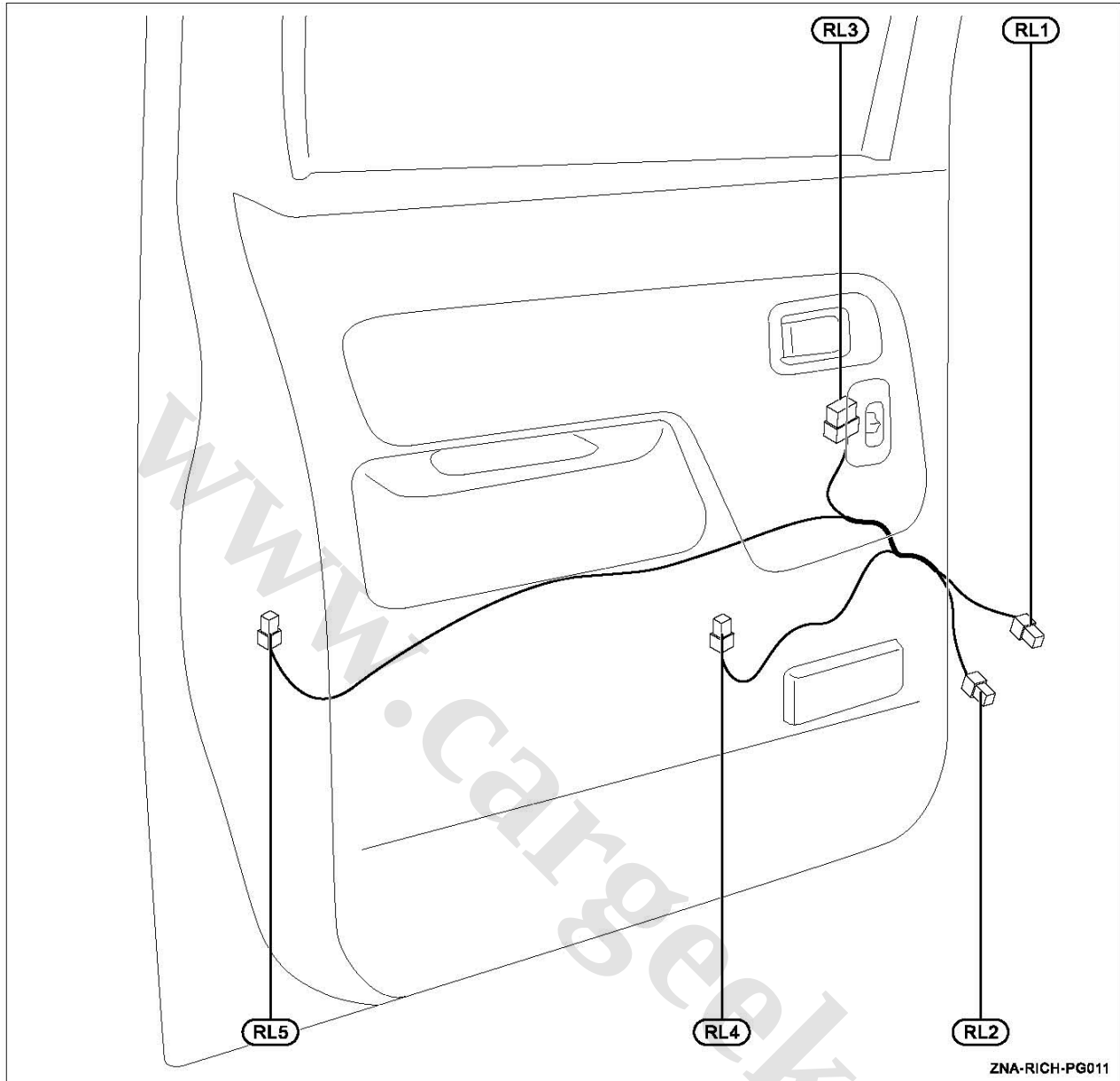
Right front door wiring harness



Connector No.	Name
FR1	Wiring harness connector (connected to the main wiring harness)
FR2	To door speaker FR
FR3	Connect the right front door window switch

Connector No.	Name
FR4	Connect the right front door window motor
FR5	Connect the right front door lock motor
FR6	Connect the right front backview mirror motor

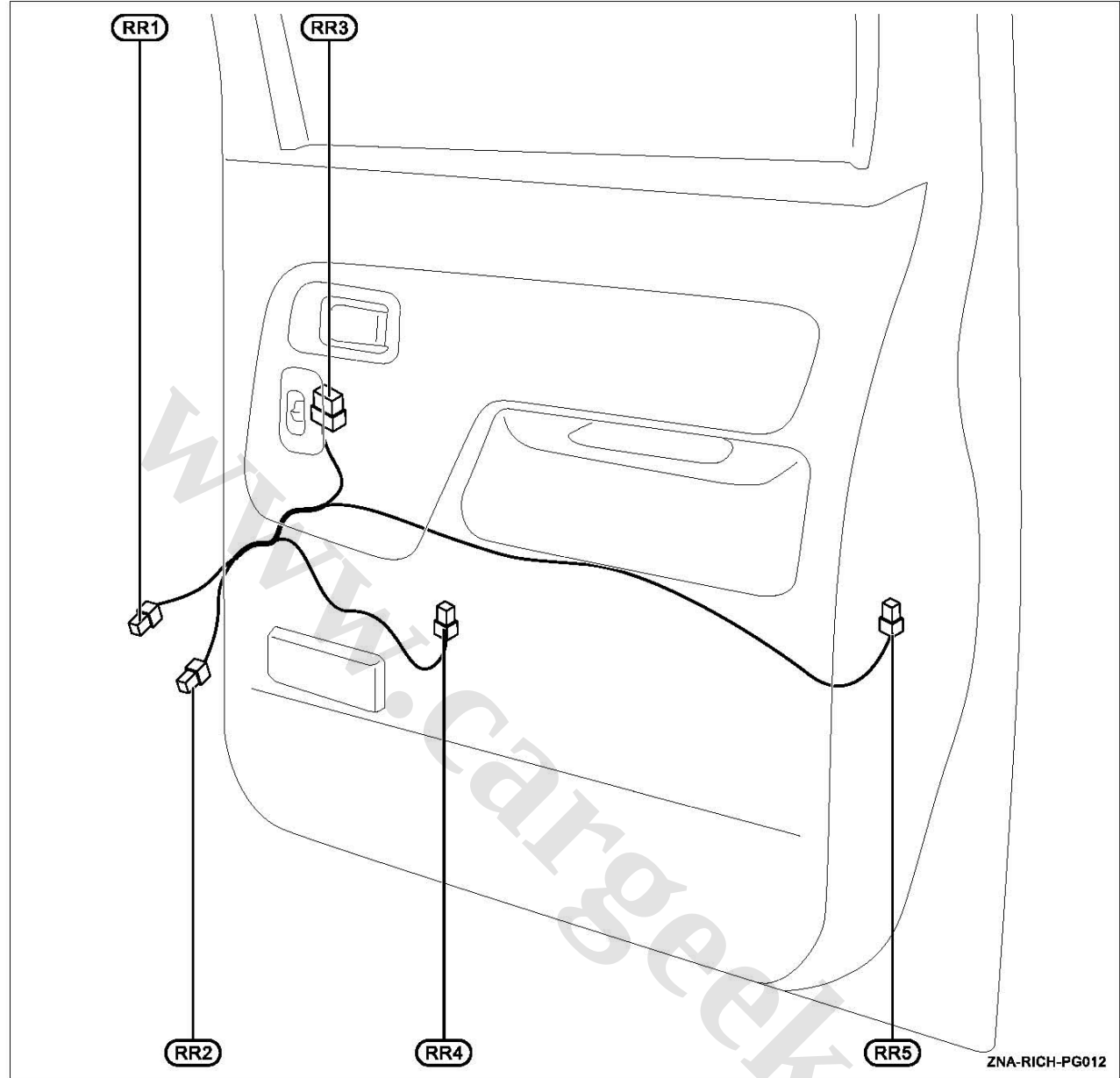
Left rear door wiring harness



Connector No.	Name
RL1	Wiring harness connector (connected to the main wiring harness)
RL2	Wiring harness connector (connected to the main wiring harness)
RL3	Connect the left rear door window switch

Connector No.	Name
RL4	Connect the left rear door window motor
RL5	Connect the left rear door lock motor

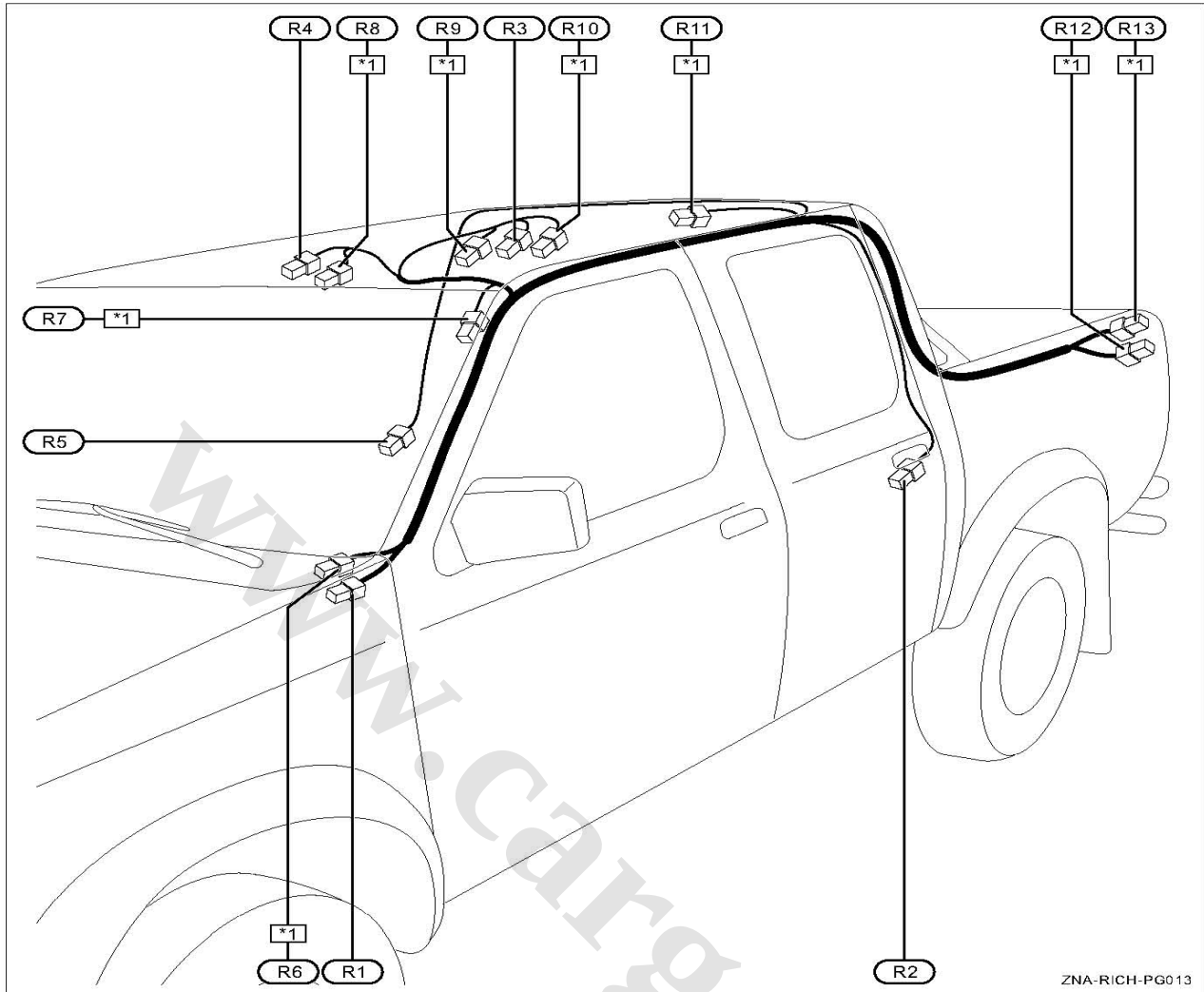
Right rear door wiring harness



Connector No.	Name
RR1	Wiring harness connector (connected to the main wiring harness)
RR2	Wiring harness connector (connected to the main wiring harness)
RR3	Connect the right rear door window switch

Connector No.	Name
RR4	To door window motor RR BT
RR5	To door lock motor RR

Interior light wiring harness



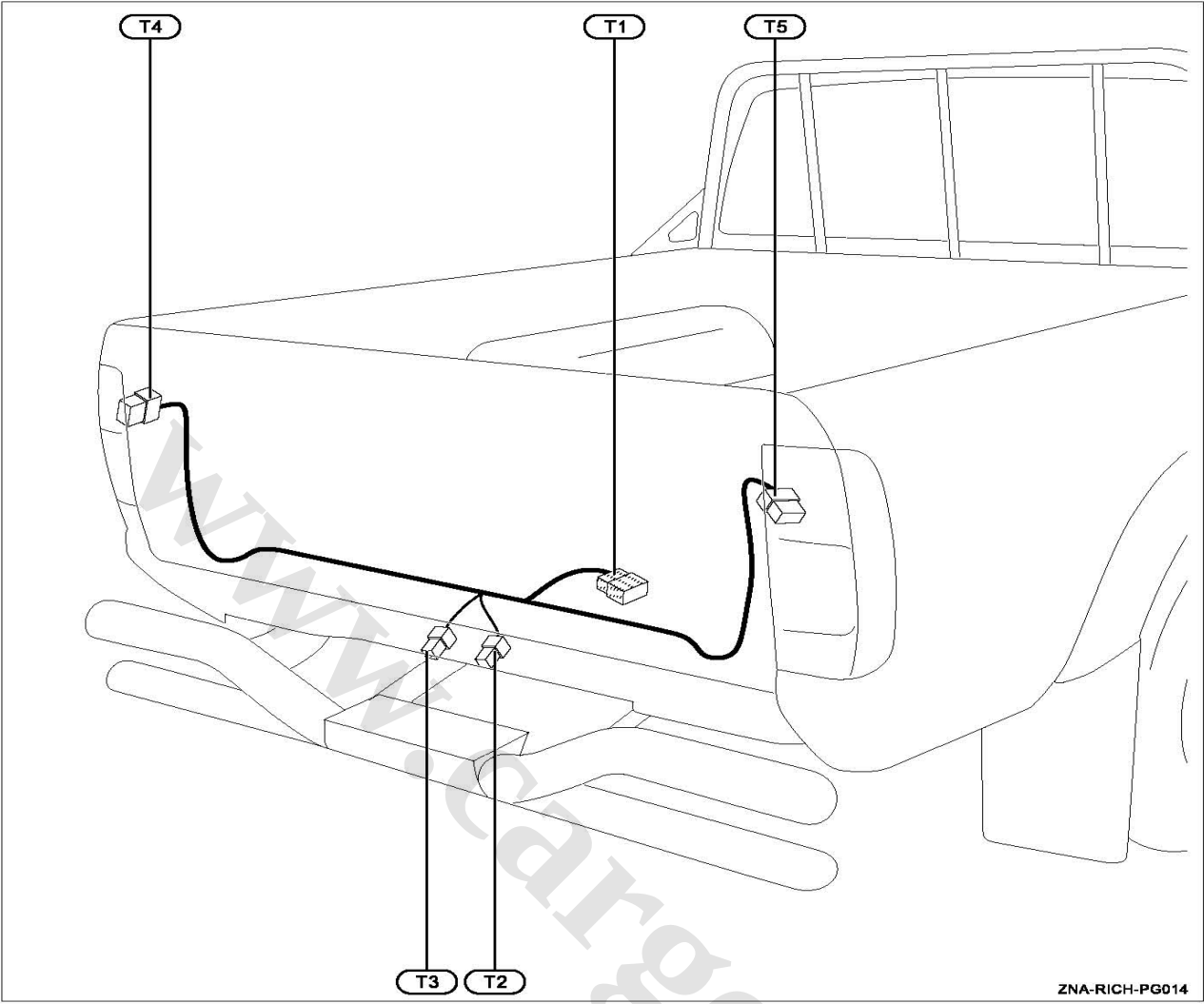
Connector No.	Name
R1	Wiring harness connector (connected to the main wiring harness)
R2	Connect the left rear door switch
R3	Connect the rear dome light
R4	Connect the front dome light
R5	Connect the right rear door switch
R6(*1)	Wiring harness connector (connected to the main wiring harness)
R7(*1)	Connect the body

Connector No.	Name
R8(*1)	Connect the front dome light
R9(*1)	Connect the light mounting screw
R10(*1)	Connect the rear dome light
R11(*1)	Connect the diode
R12(*1)	Connect the high level brake light
R13(*1)	Connect the high level brake light

Notes

*1Applicable engine model	ZG24
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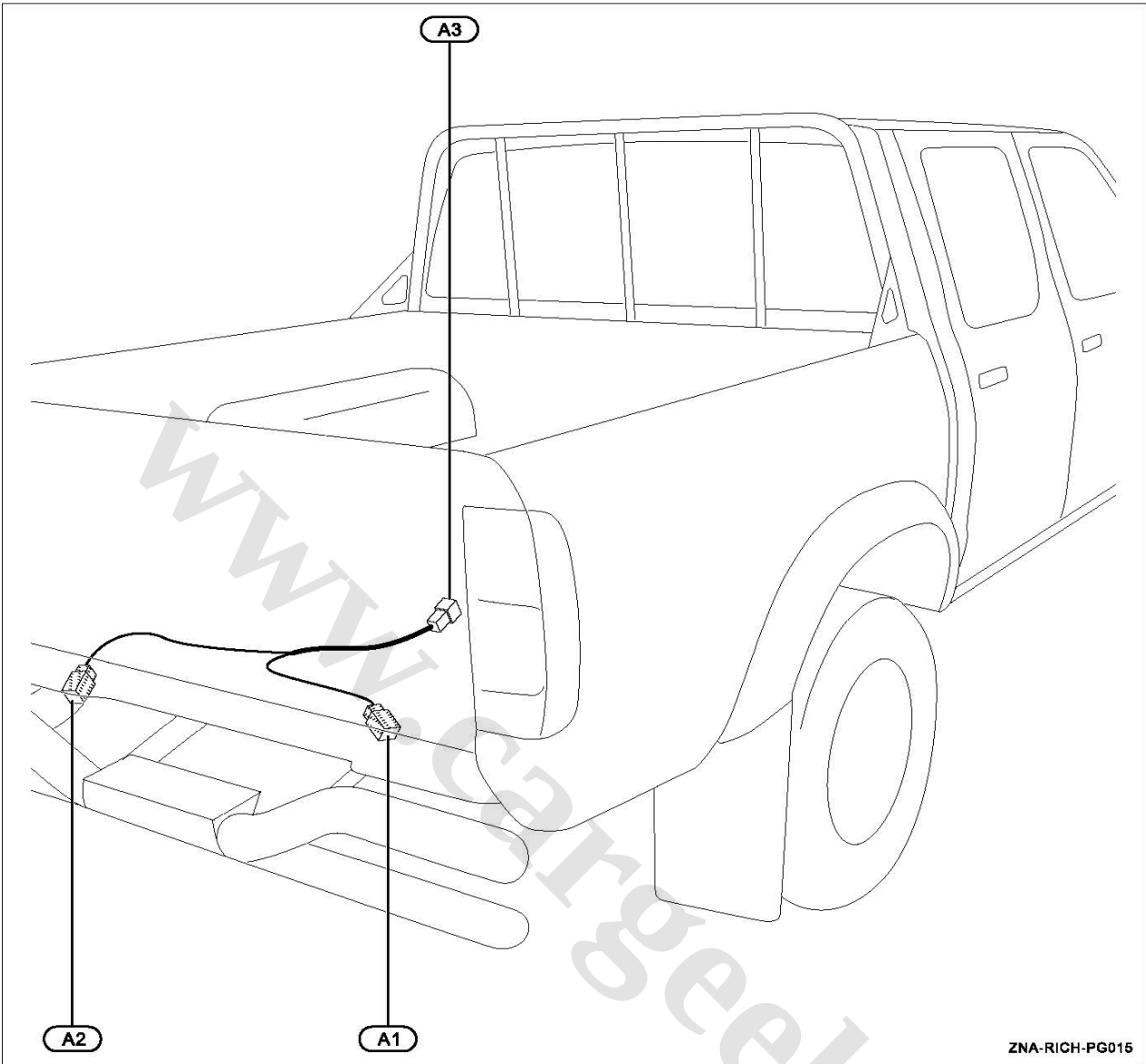
Taillight wiring harness



Connector No.	Name
T1	Wiring harness connector (connected to the chassis wiring harness)
T2	Connect the right license plate light
T3	Connect left license plate lamp

Connector No.	Name
T4	Connect the left combination taillight
T5	Connect the right combination taillight

Auxiliary wiring harness



ZNA-RICH-PG015

Connector No.	Name
A1	Wiring harness connector (connected to the chassis wiring harness)
A2	Connect the left sensor

Connector No.	Name
A3	Connect the right sensor

Connector information

Main wiring harness connector (M-)

Connector code	M1
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	A24FW
Notes	
*1Applicable engine model	ZD25TCI/ZD22TE/ZD28D11-4DA/CYQD80-E4/ZG24
*2Applicable engine model	ZD30D13-4N2(2WD)
*3Applicable engine model	ZD25TCI/ZD22TE/ZD28D11-4DA/CYQD80-E4/ZD30D13-4N2
*4Applicable engine model	ZD25TCI(2WD)
*5Applicable engine model	ZG24(2WD)
*6Applicable engine model	ZG24(4WD)
*7Applicable engine model	ZD25TCI(4WD)
*8Applicable engine model	ZD25TCI(2WD)/ZD30D13-4N2(2WD)
*9Applicable engine model	ZD22TE
*10Applicable engine model	ZD28D11-4DA
*11Applicable engine model	ZD22TE/CYQD80-E4(4WD)
*12Applicable engine model	ZD25TCI(2WD)/ZD30D13-4N2(2WD)/ZG24(2WD)
*13Applicable engine model	ZD30D13-4N2(4WD)
*14Applicable engine model	CYQD80-E4(4WD)
*15Applicable engine model	ZD25TCI/ZD28D11-4DA/CYQD80-E4/ZG24
*16Applicable engine model	ZD25TCI/ZD28D11-4DA/CYQD80-E4
*17Applicable engine model	ZD25TCI/ZD28D11-4DA
*18Applicable engine model	CYQD80-E4
*19Applicable engine model	ZD30D13-4N2



10	9	8	7	6					5	4	3	2	1
24	23	22	21	20	19	18	17	16	15	14	13	12	11

Serial No.	Color	Function Name
1	R/B	Reverse switch(-)
2	R	speed sensor power supply(*1)
	O	Speedometer sensor (*19)
3	Br/Y	Brake / fault signal
4	Br/W	Water signal in the oil(*3)

5	G/Y	Brake signal(*4)
	Sb	Brake signal(*2)
	G/Y	Brake signal(*5)
6	Gr/L	Left turn signal light(+)
7	Lg/B	Horn relay control
8	B	Splitter relay control (*7)
		Starter relay grounding (*14)
	L/R	ABS alarm indicator control (*8)
		Ground(*9/*13)
	R/B	Main relay power output(*10)
	L	Right rear wheel speed sensor signal(*5)
9	L	Right rear wheel speed sensor signal(*4)
	Y/G	Coolant temperature sensor signal input (*11)
	Y/R	Main relay power(*10)
	W	Right rear wheel speed sensor signal(*2)
10	P	Right rear wheel speed sensor power supply(*12)
	R	Low speed Fan relay control(*9)
		CAN-H(*10)
	R/G	Transfer box relay power supply (*18)
11	Y/B	Charging indicator control
12	W	Speed signal
13	Y/L	Oil pressure alarm signal
14	Y/R	Water temperature signal(*15)
	V	Preheating relay control(*19)
15	B	Ground(*16)
	L/R	ABS alarm indicator control (*5)
	R	Power supply for air conditioning relay and fan relay (*19)
16	W/R	Engine speed signal(*16)
	B/W	Charging indicator control(*19)
17	G/O	Pressure switch signal(*1)
	Sb	A/C relay control(*19)
18	L/B	Front washer motor (-)
19	P/L	Position light(+)
20	Gr/R	Right turn signal light (+)
21	W/B	Power supply for generator, IG1 relay, reverse lights, reverse radar, and combination instrument
22	R	Power supply for combination instrument, brake switch and clutch pedal switch (*17)
	G	High speed Fan relay control(*9)
	B	Ground(*18/*19)
	P	Left rear wheel speed sensor signal(*5)

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Connector information

23	P	Left rear wheel speed sensor signal(*4)
	W/B	Ignition power supply(*9)
	Y/R	Main relay power(*10)
	R	Main relay power(*14)
	Lg	Left rear wheel speed sensor signal(*2)
24	L	Left rear wheel speed sensor power supply(*12)
	B/Y	Coolant temperature sensor ground (*9/*14)
	G	CAN-L(*10)

Connector code	M2
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	NS12FW
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA
*2Applicable engine model	ZD22TE/CYQD80-E4
*3Applicable engine model	ZD30D13-4N2
*4Applicable engine model	ZG24
*5Applicable engine model	ZD25TCI(2WD)/ZD30D13-4N2
*6Applicable engine model	ZD25TCI(4WD)
*7Applicable engine model	ZD25TCI(2WD)/ZD30D13-4N2(2WD)/ZG24(2WD)



5	4	3		2	1
12	11	10	9	8	7

Serial No.	Color	Function Name
1	Y/W	APS2 signal output (*1)
	G	Crankshaft speed sensor(-)(*2)
	Y	Pressure switch signal(*3)
	B/Y	Starter(+)(*4)
2	W/R	APS1 power supply(*1)
	G/W	Crankshaft speed sensor shield grounding (*2)
	Y	Diagnosis line - K-line(*4)
3	R/Y	Right front high beam light (+)
4	R/W	Left front headlight power supply
5	R	Right front headlight power supply

6	G/R	APS2 power supply(*1)
	R	Crankshaft speed sensor(+)(*2)
	G/O	Pressure switch signal(*3)
	B/Y	Starter(+)(*4)
7	B/W	IG power supply(*1)
	G	Air conditioning switch signal input(*2)
	V	Fan relay control(*3)
8	R	Daytime running light(+)(*2)
	Y	Diagnosis line - K-line(*5)
9	R/G	Splitter solenoid valve power supply (*6)
	R/W	Ignition power supply(*7)
	G	Dimming position control(*2)
10	R/G	Left front low beam light(+)
11	R/L	Left front high beam light(+)
12	R/B	Right front low beam light (+)

Connector code	M3
Connector name	Wiring harness connector (connected to the instrument wiring harness)
Connector type	3ML-6AL
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA
*2Applicable engine model	ZG24

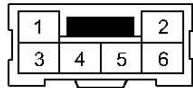


1	2	3
4	5	6

Serial No.	Color	Function Name
1	L/O	Left and right motor control, right backview mirror
2	O	Battery power supply
3	O/L	Rear fog light opening indicator (+)
4	G/W	Left and right motor control, left backview mirror
5	R	Combination instrument power supply(*1)
	Y	SVSfault indicator control(*2)
6	G/Y	Up and down motor control, left backview mirror

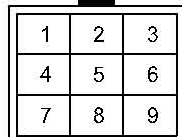
Connector information

Connector code	M3
Connector name	Wiring harness connector (connected to the instrument wiring harness)
Connector type	NS06MW
Notes	
Applicable engine model	ZD22TE/CYQD80-E4



Serial No.	Color	Function Name
1	L/O	Left and right motor control, right backview mirror
2	O	Battery power supply
3	O/L	Rear fog light opening indicator (+)
4	G/W	Left and right motor control, left backview mirror
5	G	SVS fault indicator control
6	G/Y	Up and down motor control, left backview mirror

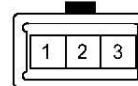
Connector code	M3
Connector name	Wiring harness connector (connected to the instrument wiring harness)
Connector type	3ML-9AL
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	G/Y	Up and down motor control, left backview mirror
2	G/W	Left and right motor control, left backview mirror
3	L/O	Left and right motor control, right backview mirror
4	L	4WD opening signal
5	W/B	Seat belt no-use alarm signal
6	O/L	Rear fog light opening indicator (+)
7	R/B	Door not-closed reminding signal
8	O	Battery power supply

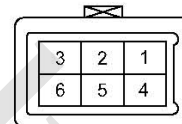
9	R/B	Combination instrument power supply
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Connector code	M4
Connector name	Wiring harness connector (connected to the instrument wiring harness)
Connector type	3ML-3AL
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA
*2Applicable engine model	ZG24
*3Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	L/W	SVS fault indicator control(*1)
	R/B	Door not-closed reminding signal(*2)
2	Y/V	MIL indicator control(*1)
3	W/B	Seat belt no-use alarm signal(*3)

Connector code	M4
Connector name	Wiring harness connector (connected to the instrument wiring harness)
Connector type	3ML-6BL
Notes	
Applicable engine model	ZD25TCI



Serial No.	Color	Function Name
1	W/B	Seat belt no-use alarm signal
2	Y/V	MIL fault indicator control
3	L/W	SVS fault indicator control
4	R/B	Door not-closed reminding signal
5	-	-
6	-	-

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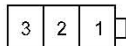
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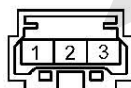
Connector information

Connector code	M4
Connector name	Wiring harness connector (connected to the instrument wiring harness)
Connector type	A03FW
Notes	
Applicable engine model	ZD22TE/CYQD80-E4



Serial No.	Color	Function Name
1	L	MIL indicator control
2	W/B	Seat belt no-use alarm signal
3	R/B	Door not-closed reminding signal

Connector code	M5
Connector name	Wiring harness connector (connected to the indoor light wiring harness)
Connector type	NS03MW



Serial No.	Color	Function Name
1	R/G	Rear dome light (+)
2	R/B	Rear door switch signal
3	R/Y	Front ceiling light(+)

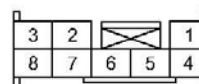
Connector code	M6
Connector name	Connect the cockpit fuse box
Connector type	M02FW



Serial No.	Color	Function Name
1	-	-

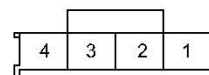
2	B	Earthing
3	-	-

Connector code	M7
Connector name	Connect the steering switch
Connector type	NS08FBr-LC



Serial No.	Color	Function Name
1	R/B	Low beam lamp control FR
2	R/W	Battery power supply
3	O	Fog lamp control
4	Gr/R	Turn signal lamp control RH
5	R/Y	High beam lamp control FR
6	R/L	High beam lamp control FL
7	G	Flasher power outlet
8	Gr/L	Turn signal lamp control LH

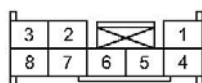
Connector code	M8
Connector name	Connect the headlight switch
Connector type	NS04FBr-LC



Serial No.	Color	Function Name
1	P/L	Small light control
2	R/G	Low beam lamp control FL
3	R	Battery power supply
4	P	Head lamp power supply

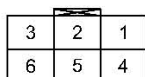
Connector information

Connector code	M9
Connector name	Connect the wiper switch
Connector type	NS08FGr-LC



Serial No.	Color	Function Name
1	-	-
2	-	-
3	B/L	Wiper stop control
4	L/Y	Wiper power supply
5	L/B	Spray pump control
6	B	Ground
7	L/R	Wiper low speed control
8	L/W	Wiper high speed control

Connector code	M10
Connector name	Connect the ignition switch
Connector type	M06FW-LC



Serial No.	Color	Function Name
1	B/Y	Start power output
2	B/L	IG1 Power output
3	W/B	Ignition switch power supply
4	B/Y	IG2 Power output
5	B/W	Accessory power output
6	-	-

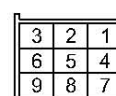
Connector code	M11
Connector name	Connect the manual brake switch
Connector type	S01FW



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Serial No.	Color	Function Name
1	Br/Y	Brake signal

Connector code	M12
Connector name	Connect A/C switch
Connector type	



Serial No.	Color	Function Name
1	-	-
2	-	-
3	G/W	A/C Switch power supply
4	P/L	Small lights (+)
5	G/B	A/C switch closing indicator control
6	-	-
7	G/L	A/C switch signal
8	B	Earthing
9	-	-

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Connector information

Connector code	M13
Connector name	Connect the danger alarm switch
Connector type	S08FW



4	3	2	1
8	7	6	5

Serial No.	Color	Function Name
1	Gr/R	Right turn signal light (+)
2	Gr/L	Left turn signal light(+)
3	R/Y	Hazard warning lamp power supply
4	G	Signal lamps power supply control
5	O	Signal lamps power supply
6	Br/W	Flasher power supply control
7	P/L	Small lights (+)
8	B	Earthing

Connector code	M14
Connector name	Connect the thermostat amplifier
Connector type	A03FW



3	2	1
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Serial No.	Color	Function Name
1	G/L	A/C switch signal
2	G/B	A/C switch closing indicator control
3	G/O	Pressure switch signal

Connector code	M15
Connector name	Connect the breaker
Connector type	M02FW



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Serial No.	Color	Function Name
1	W/B	Circuit input
2	W/G	Circuit output

Connector code	M16
Connector name	Connect the speed adjustment resistance
Connector type	M06FW-LC



3	2	1
6	5	4

Serial No.	Color	Function Name
1	L/W	power input
2	L/W	4th gear fan control
3	L/G	3rd gear fan control
4	L/Y	1st gear fan control
5	-	-
6	L/R	2nd gear fan control

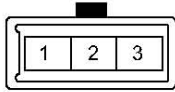
Connector code	M17
Connector name	Grounding point
Connector type	E-LA6



Serial No.	Color	Function Name
1	B	Master harness ground RH

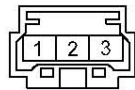
Connector information

Connector code	M18
Connector name	Wiring harness connector (connected the right rear door wiring harness)
Connector type	3ML-3AL
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24



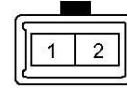
Serial No.	Color	Function Name
1	B/W	Left front door window control closing
2	W	Right rear door window power switch
3	W/B	Left front door window control opening

Connector code	M18
Connector name	Wiring harness connector (connected the right rear door wiring harness)
Connector type	NS03MW
Notes	
Applicable engine model	ZD30D13-4N2/ZD22TE/CYQD80-E4



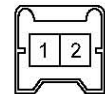
Serial No.	Color	Function Name
1	B/W	Left front door window control closing
2	W	Right rear door window power switch
3	W/B	Left front door window control opening

Connector code	M19
Connector name	Wiring harness connector (connected the right rear door wiring harness)
Connector type	3ML-2AL
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24



Serial No.	Color	Function Name
1	L/O	Right rear door lock closing
2	L/G	Right rear door lock opening

Connector code	M19
Connector name	Wiring harness connector (connected the right rear door wiring harness)
Connector type	NS02MW-LC
Notes	
Applicable engine model	ZD30D13-4N2/ZD22TE/CYQD80-E4



Serial No.	Color	Function Name
1	L/O	Right rear door lock closing
2	L/G	Right rear door lock opening

GI
MA
EM
LC
EC
FE
CL
MT
AT
TF
PD
FA
RA
BR
ST
RS
BT
HA
EL
PG

Connector information

Connector code	M20
Connector name	Wiring harness connector (connected to the chassis wiring harness)
Connector type	NS16MW-LC
Notes	
*1Applicable engine model	ZD25TCI(4WD)/ZD28D11-4DA(4WD)/CYQD80-E4(4WD)/ZG24(4WD)
*2Applicable engine model	ZD25TCI (2WD, with ABS) / ZD30D13- 4N2 (2WD)
*3Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2(2WD)/CYQD80-E4(4WD)
*4Applicable engine model	ZD22TE/CYQD80-E4(2WD)
*5Applicable engine model	ZD25TCI(4WD)/ZD28D11-4DA(4WD)/CYQD80-E4(4WD)
*6Applicable engine model	ZD22TE(4WD)
*7Applicable engine model	ZD25TCI(4WD)/ZD28D11-4DA(4WD)/CYQD80-E4(4WD)
*8Applicable engine model	ZD22TE/CYQD80-E4(2WD)
*9Applicable engine model	ZG24
*10Applicable engine model	ZD30D13-4N2(4WD)
*11Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2/CYQD80-E4(4WD)/ZG24
*12Applicable engine model	ZD22TE(2WD)/CYQD80-E4(2WD)



1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16					

Serial No.	Color	Function Name
1	L	4WD conversion switch (*1)
	P	Right rear wheel speed sensor power supply(*2)
2	Lg	Right sensor (+)(*3/*9/*10)
	B	T4,T5 Ground(*4)
3	O/L	Rear fog lamps (+)(*3/*9/*10)
	R/B	Reverse lights(+)(*4)
4	P/L	Position lamp (+), License plate lamp (+)(*3/*9/*10)
	Gr/R	Right turn signal light(+)(*4)
5	Gr/R	Turn signal lamp RH(+)(*3/*9/*10)
	P/L	Position light(+),License plate light(+)(*4)
6	R/B	Backup lamp(+)(*3/*9/*10)
	O/L	Rear fog lamp(+)(*4)
7	B	T4,T5 Ground *3/*9/*10)
	Lg	Right sensor (+)(*4)

Serial No.	Color	Function Name
8	R	Splitter solenoid coil (+) (*5)
	L	4WD conversion switch (*6) Right rear wheel speed sensor signal(*2)
9	L	Left sensor(+)(*3/*9/*10)
10	Y/G	Fuel level signal(*3/*9/*10)
	G/Y	Brake light(+)(*4)
11	L	Left rear wheel speed sensor signal(*2)
	Gr/L	Left turn signal light(+)(*4)
12	B	A2,A3,T2,T3,T4,T5 Ground(*3)
		C4 Ground(*4)
		A2,A3,C4,C5,T2,T3,T4,T5 Ground(*9)
		A2,A3,C5,T2,T3,T4,T5 Ground(*10)
13	B	C4 Ground(*11)
		T2,T3,T4,T5 Ground(*12)
		A2,A3,C5,T2,T3,T4,T5 Ground(*6)
14	Gr/L	Turn signal lamp LH(+)(*3/*9/*10)
	L	Left sensor (+)(*4)
15	G/Y	Stop lamp(+)(*3/*9/*10)
	Y/G	Fuel level signal(*4)
16	B	C5 Ground(*7)
		A2 and A3 ground (*8)
	P	Left rear wheel speed sensor power supply(*2)
	Lg/R	Fuel pump(+)(*9)

Connector code	M21
Connector name	Connect the manual brake switch
Connector type	P01FB



Serial No.	Color	Function Name
1	Br/Y	Brake signal

Connector information

Connector code	M22
Connector name	Connect the dimmer switch
Connector type	DJ7061-2.3-21



2			1
6	5	4	3

Serial No.	Color	Function Name
1	P/L	Position light(+)
2	B	Earthing
3	B	Earthing
4	-	
5	Lg	Dimming position control
6	P/L	Position light(+)

Connector code	M23
Connector name	Connect the cigarette lighter
Connector type	



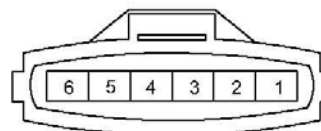
1
2
3

Serial No.	Color	Function Name
1	B	Earthing
2	G/R	Cigar lighter(+)
3	-	-

Connector code	M24
Connector name	Connect the accelerator pedal sensor
Connector type	

Notes

*1Applicable engine model	ZD25TCI/ZD28D11-4DA
*2Applicable engine model	ZD22TE/CYQD80-E4
*3Applicable engine model	ZD230DB-4N2



Serial No.	Color	Function Name
1	Y/W	APS2 Signal output
	L/G	APS2 signal output (*3)
2	Br/G	APS2 Signal grounding(*1)
	Br	APS2 Signal grounding(*2)
	L/O	APS2 Signal grounding(*3)
3	Y/G	APS1 Signal output
	L/W	APS1 Signal output(*3)
4	Br/W	APS1 Signal grounding(*1)
	Br/Y	APS1 Signal grounding(*2)
	L	APS1 Signal grounding(*3)
5	W/R	APS1 power supply
	L/V	APS1 power supply(*3)
6	G/R	APS2 power supply
	W/R	APS2 power supply(*3)

Connector code	M25
Connector name	Connect the remote control module
Connector type	A10FW-NS08



10	9	8	7	6		5	4	3	2	1
18	17	16	15	14		13	12	11		

Serial No.	Color	Function Name
1	R/B	Door control switch signal FR

Connector information

Serial No.	Color	Function Name
2	B/Y	Locking signal
3	B/R	Unlocking signal
4	B/W	Left front door lock opening and closing signals
5	R/L	Head lamp load open signal
6	-	-
7	R/Y	Work lamp door control signal
8	-	-
9	G/W	Accessory power supply
10	O	Ignition power supply
11	Gr/R	Turn signal lamp output RH
12	Gr/L	Turn signal lamp output LH
13	B/Y	Door control signal FL
14	W/G	Battery power supply
15	L/O	Door locking FL
16	Lg/B	Horn control
17	B	Earthing
18	L/G	Door unlocking FL

Connector code	M26
Connector name	Connect the horn switch
Connector type	P01FB



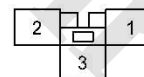
Serial No.	Color	Function Name
1	Lg/B	Horn (+)

Connector code	M27
Connector name	Connect the brake switch
Connector type	
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA
*2Applicable engine model	ZD22TE/CYQD80-E4
*3Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	R	Brake switch power supply (*1)
	W/B	Brake switch power supply (*2)
	B	Ground(*3)
2	Y/W	Brake switch main brake signal(*1)
	W/B	Brake switch power supply (*2)
	W/B	Brake switch main brake signal(*3)
3	R	Brake switch power supply (*1)
	R/Y	Brake switch main brake signal(*2)
	Y	Brake switch power supply (*3)
4	L/W	Brake switch auxiliary brake signal(*1)
	R/G	Brake switch auxiliary brake signal(*2)
	R	Brake switch auxiliary brake signal(*3)

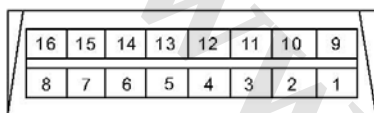
Connector code	M28
Connector name	Connect the flasher
Connector type	M03FB



Serial No.	Color	Function Name
1	B	Earthing
2	Br/W	power input
3	G	Power supply output

Connector information

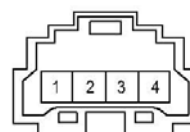
Connector code	M30
Connector name	Connect the diagnostic interface
Connector type	BD16FW
Notes	
*1Applicable engine model	ZD25TCI(2WD)/ZG24(2WD)/ZD30D13-4N2(2WD)
*2Applicable engine model	ZG24(4WD)
*3Applicable engine model	ZD22TE/CYQD80-E4
*4Applicable engine model	ZD30D13-4N2
*5Applicable engine model	ZD25TCI/ZD28D11-4DA
*6Applicable engine model	ZD22TE/CYQD80-E4/ZG24/ZD30D13-4N2
*7Applicable engine model	ZG24



Serial No.	Color	Function Name
1	-	-
2	-	-
3	-	-
4	B	Earthing
5	B	Earthing
6	Y	Diagnosis interfaceCAN-H(*3)
	P/L	Diagnosis interfaceCAN-H(*4)
7	Sb	Diagnosis line - K-line(*3)
	L	Diagnosis line - K-line(*4)
	P	Diagnosis line - K-line(*7)
8	R/G	Ignition switch power supply (*5)
	G/W	Ignition switch power supply (*6)
9	Y	Diagnosis line - K-line(*1)
10	-	-
11	-	-
12	-	-
13	-	-
14	G	Diagnosis interface CAN-L (*3)
	G/O	Diagnosis interface CAN-L (*4)
15	G/R	Diagnosis line - K-line(*5)

Serial No.	Color	Function Name
16	G/W	Diagnosis interface power supply (*5)
	R/G	Diagnosis interface power supply (*6)

Connector code	M31
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	NS04MW



Serial No.	Color	Function Name
1	-	-
2	-	-
3	G	Dimming position control
4	R	Daytime running light(+)

Connector code	M32
Connector name	Connect the left front right door switch
Connector type	T01FB
Notes	
Applicable engine model	ZD25TCI/ZG24



Serial No.	Color	Function Name
1	B/Y	Left front door switch signal

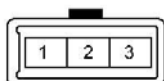
Connector information

Connector code	M32
Connector name	Connect the left front right door switch
Connector type	T03FB
Notes	
Applicable engine model	ZD22TE/CYQD80-E4/ZD28D11-4DA/ZD30D13-4N2



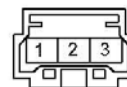
Serial No.	Color	Function Name
1	B/Y	Door control signal FL
2	R/B	Door open warning signal
3	B	Earthing

Connector code	M33
Connector name	Wiring harness connector (connected the left rear door wiring harness)
Connector type	3ML-3AL
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24



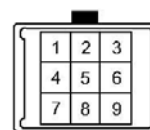
Serial No.	Color	Function Name
1	G/W	Left front door window control closing
2	W	Left rear door window power switch
3	R/B	Left front door window control opening

Connector code	M33
Connector name	Wiring harness connector (connected the left rear door wiring harness)
Connector type	NS03MW-LC
Notes	
Applicable engine model	ZD22TE/CYQD80-E4/ZD30D13-4N2



Serial No.	Color	Function Name
1	G/W	Left front door window control closing
2	W	Left rear door window power switch
3	R/B	Left front door window control opening

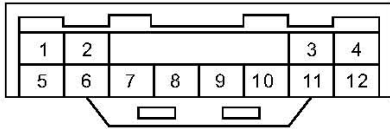
Connector code	M34
Connector name	Wiring harness connector (connected to the left front door wiring harness)
Connector type	3ML-9AL
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24



Serial No.	Color	Function Name
1	B	FL3,FL5 Ground
2	B/W	Speaker(+)
3	B/Y	Speaker(-)
4	G/Y	Left front backview mirror up and down motor
5	G/W	Left front rearview mirror left and right motor
6	G/B	Left front rear-view mirror motor(+)
7	B/W	Left front door lock opening and closing signals
8	-	-
9	-	-

Connector information

Connector code	M34
Connector name	Wiring harness connector (connected to the left front door wiring harness)
Connector type	A12MW
Notes	
Applicable engine model	ZD22TE/CYQD80-E4/ZD30D13-4N2



Serial No.	Color	Function Name
1	B	FL3,FL5 Ground
2	B/W	Speaker(+)
3	-	-
4	-	-
5	-	-
6	B/Y	Speaker(-)
7	G/Y	Left front backview mirror up and down motor
8	G/W	Left front rearview mirror left and right motor
9	G/B	Left front rear-view mirror motor(+)
10	B/W	Left front door lock opening and closing signals
11	-	-
12	-	-

Connector code	M35
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	M08FW

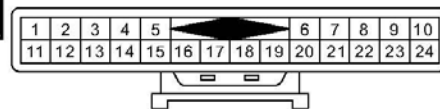


Serial No.	Color	Function Name
1	B/Y	IG2 power supply
2	B/L	IG1 power supply
3	B/W	Accessory power supply
4	W/B	Ignition switch power supply
5	G/W	Air conditioning relay power supply output

Serial No.	Color	Function Name
6	L/Y	Wiper power supply
7	B/Y	Starter power supply, starter relay power supply
8	W/B	Generator (+)

Connector code	M36
Connector name	Wiring harness connector (connected to the instrument wiring harness)
Connector type	A24MW

Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD22TE/CYQD80D11-E4/ZG24
*2Applicable engine model	ZD30D13-4N2
*3Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2(2WD)/CYQD80D11-E4/ZG24(2WD)
*4Applicable engine model	ZG24(4WD)
*5Applicable engine model	ZD25TCI/ZD28D11-4DA
*6Applicable engine model	ZD22TE/CYQD80D11-E4
*7Applicable engine model	ZD30D13-4N2/ZG24
*8Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD22TE/CYQD80D11-E4
*9Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD22TE/CYQD80D11-E4/ZD30D13-4N2
*10Applicable engine model	ZG24
*11Applicable engine model	ZD22TE
*12Applicable engine model	ZD25TCI(4WD)
*13Applicable engine model	ZD30D13-4N2(4WD)
*14Applicable engine model	ZD25TCI
*15Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	W/B	Ignition power supply
2	P/L	Instrument lighting power supply
3	Y/L	Oil pressure alarm signal
4	R	speed sensor power supply(*1)
	O	speed sensor power supply(*2)

Connector information

Serial No.	Color	Function Name
5	W	Speed signal
6	Y/G	Fuel level signal
7	Br/Y	Parking brake / brake fault signal
8	Y/B	Charging indicator(*1)
	B/W	Charging indicator(*2)
9	L/R	ABS fault alarm signal (*3)
		Ground(*11/*13)
	Sb	ABS fault alarm signal (*4)
10	G/R	Accessory power supply
11	R/G	Combination instrument power supply
12	Y/R	Water temperature signal
13	L/G	Preheater indicator control(*5)
	G/R	Preheater indicator control(*6)
	L/W	Preheater indicator control(*2)
	W/B	Seat belt no-use alarm signal(*10)
14	G/B	Backview mirror motor power supply/grounding control
15	Gr/R	Right turn signal light opening signal
16	Gr/L	Left turn signal light opening signal
17	G/O	Up and down motor control, right backview mirror
18	W/L	Speed signal(*5)
	B/W	Speed signal(*7)
	B/Y	Speed signal(*6)
19	W/R	Engine speed signal
20	B	Earthing
21	R/L	High beam light opening signal
22	R/B	Fog light opening signal (*14)
		Door not-closed reminding signal(*15)
	W/V	SVSfault indicator control(*2)
	Gr	Fog light opening signal (*4)
23	B	Ground(*8)
		Splitter relay control (*12)
	G/V	OBDfault indicator control(*2)
	L	Ground(*4)
24	Br/W	Oil-water separator fault signal (*9)
	W	MIL indicator control(*10)

Connector code	M37
Connector name	Box lamp
Connector type	DJ7021-6-21



1
2

Serial No.	Color	Function Name
1	B	Earthing
2	R/G	Box lamp(+)

Connector code	M38
Connector name	Wiring harness connector (connected to the indoor light wiring harness)
Connector type	NS06MW



1	2
3	4
5	6

Serial No.	Color	Function Name
1	R/G	Rear dome light (+)
2	R/Y	Front ceiling light(+)
3	B/Y	Diode
4	-	-
5	R/B	Rear door switch signal
6	G/Y	High brake light (+)

Connector code	M40
Connector name	Connect the air conditioning panel backlight
Connector type	



1
2

Serial No.	Color	Function Name
1	P/L	Small lights (+)

Connector information

Serial No.	Color	Function Name
2	B	Earthing

Connector code	M41
Connector name	Connect the heater switch
Connector type	M06FB-LC



3	2	1
6	5	4

Serial No.	Color	Function Name
1	L/W	4th gear input
2	L/R	2nd gear input
3	G/B	A/C control
4	L/Y	1st gear input
5	L/G	3rd gear input
6	B	Earthing

Connector code	M42
Connector name	Connect the chassis wiring harness
Connector type	NS10MW
Notes	
Applicable engine model	ZD30D13-4N2



1	2			3	4
5	6	7	8	9	10

Serial No.	Color	Function Name
1		
2		
3	R	Splitter solenoid valve(+)
4	B	Earthing
5		-
6		-
7		-
8	L	4WD switch signal

Serial No.	Color	Function Name
9	-	-
10	-	-

Connector code	M42
Connector name	Connect the chassis wiring harness
Connector type	A06MW
Notes	
Applicable engine model	ZG24(With ABS)



1	2	3	4	5	6
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Serial No.	Color	Function Name
1	L	Right rear wheel speed sensor signal(*1)
2	P	Right rear wheel speed sensor power supply(*1)
3	-	-
4	-	-
5	P	Left rear wheel speed sensor power supply(*1)
6	L	Left rear wheel speed sensor signal(*1)

Connector code	M43
Connector name	Connect the heater motor
Connector type	M02FW



1
2

Serial No.	Color	Function Name
1	L	Heater motor (+)
2	L/W	Heater motor (-)

GI

MA

EM

LC

EC

FE

CL

MT

AT

TF

PD

FA

RA

BR

ST

RS

BT

HA

EL

PG

Connector information

Connector code	M44
Connector name	Wiring harness connector (connected to the right front door wiring harness)
Connector type	3MIC-13M
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24



1	2	3		4	5	6
7	8	9	10	11	12	13

Serial No.	Color	Function Name
1	L/G	Right front door lock opening
2	W	Right front door window power switch
3	Br/W	Speaker(+)
4	G/B	Right front backview mirror motor (+)
5	L/O	Right front door lock closing
6	-	-
7	L/O	Right front backview mirror left and right motor
8	L/W	Left front door window control opening
9	L/Y	Left front door window control closing
10	-	-
11	Br	Speaker(-)
12	G/O	Right front backview mirror up and down motor
13	-	-

Serial No.	Color	Function Name
4	G/B	Right front backview mirror motor (+)
5	L/O	Right front door lock closing
6	L/O	Right front backview mirror left and right motor
7	L/W	Left front door window control opening
8	L/Y	Left front door window control closing
9	-	-
10	Br	Speaker(-)
11	G/O	Right front backview mirror up and down motor
12	-	-

Connector code	M45
Connector name	Connect the right front door switch
Connector type	T01FB



1

Serial No.	Color	Function Name
1	R/B	Right front door switch signal

Connector code	M46
Connector name	Connect the cassette player
Connector type	S10FW



5	4	3	2	1
10	9	8	7	6

Connector code	M44
Connector name	Wiring harness connector (connected to the right front door wiring harness)
Connector type	NS12MW-LC
Notes	
Applicable engine model	ZD22TE/CYQD80-E4/ZD30D13-4N2



1	2			3	4	5
6	7	8	9	10	11	12

Serial No.	Color	Function Name
1	L/G	Right front door lock opening
2	W	Right front door window power switch
3	Br/W	Speaker(+)

Serial No.	Color	Function Name
1	Br/W	Speaker FR(+)
2	B/W	Speaker FL(+)
3	R/G	Battery power supply
4	P/L	Small lamp lighting (+)
5	G/W	Accessory power supply
6	Br	Speaker FR (-)
7	B/Y	Speaker FL (-)

Connector information

Serial No.	Color	Function Name
8	-	-
9	B	Earthing
10	-	-

Connector code	M47
Connector name	Connect the reverse radar control panel
Connector type	HV16FW



8	7	6	5	4	3	2	1
16	15	14	13	12	11	10	9

Serial No.	Color	Function Name
1		
2	L	Left sensor (+)
3		-
4		-
5		-
6	R/B	IG1 power supply
7		-
8		-
9	B	Earthing
10	Lg	Right sensor (+)
11		-
12		-
13		-
14		-
15		-
16		-

Connector code	M48
Connector name	Connect the air brake switch
Connector type	M02FB



2	1
---	---

Serial No.	Color	Function Name
1	G/Y	Stop lamp power supply output
2	R/B	brake switch power supply

Connector code	M49
Connector name	Connect the clutch pedal switch
Connector type	DJ7022Y-6.3-20

Notes

*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD22TE/CYQD80-E4
*3Applicable engine model	ZD30D13-4N2



1
2

Serial No.	Color	Function Name
1	R	Clutch pedal power supply (*1)
	G/Y	Clutch pedal (-)(*2)
	B	Ground(*3)
2	Br/R	Clutch pedal switch signal(*1)
	Y	Clutch pedal (+)(*2)
	L/W	Clutch pedal switch signal(*3)

Connector information

Connector code	M49
Connector name	Connect the clutch pedal switch
Connector type	
Notes	
Applicable engine model	ZD28D11-4DA



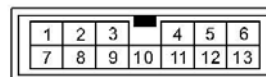
Serial No.	Color	Function Name
1	B	Earthing
2	-	-
3	-	-
4	Br/R	Clutch pedal switch signal

Connector code	M50
Connector name	Grounding point
Connector type	E-LA6



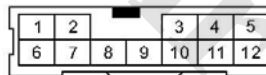
Serial No.	Color	Function Name
1	B	Master harness ground LH

Connector code	M51
Connector name	Wiring harness connector (connected to the left front door wiring harness)
Connector type	3MIC-13M
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24



Serial No.	Color	Function Name
1	R/B	Left rear door window motor lift window
2	W/B	Right rear door window motor lift window
3	B/R	Central lock opening
4	W	Door window switch power supply
5	L/O	Left front door lock motor closing
6	G/W	Left rear door window motor drop window
7	B/W	Right rear door window motor drop window
8	L/W	Right front door window motor lift
9	L/Y	Right front door window motor drop
10	-	-
11	B/Y	Central lock closing
12	B	FL3,FL5 Ground
13	L/G	Left front door lock motor opening

Connector code	M51
Connector name	Wiring harness connector (connected to the left front door wiring harness)
Connector type	NS12MW
Notes	
Applicable engine model	ZD22TE/CYQD80-E4/ZD30D13-4N2

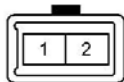


Serial No.	Color	Function Name
1	R/B	Left rear door window motor lift window
2	W/B	Right rear door window motor lift window
3	B/R	Central lock opening

Connector information

Serial No.	Color	Function Name
4	W	Door window switch power supply
5	L/O	Left front door lock motor closing
6	G/W	Left rear door window motor drop window
7	B/W	Right rear door window motor drop window
8	L/W	Right front door window motor lift
9	L/Y	Right front door window motor drop
10	B/Y	Central lock closing
11	B	FL3, FL5 Ground
12	L/G	Left front door lock motor opening

Connector code	M52
Connector name	Wiring harness connector (connected the left rear door wiring harness)
Connector type	3ML-2AL
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24



Serial No.	Color	Function Name
1	L/O	Left rear door lock closing
2	L/G	Left rear door lock opening

Connector code	M52
Connector name	Wiring harness connector (connected the left rear door wiring harness)
Connector type	NS02MW-LC
Notes	
Applicable engine model	ZD22TE/CYQD80-E4/ZD30D13-4N 2



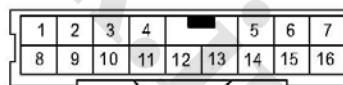
Serial No.	Color	Function Name
1	L/O	Left rear door lock closing
2	L/G	Left rear door lock opening

Connector code	M53
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	NS12MW-LC
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA



Serial No.	Color	Function Name
1	Y/W	Brake switch main brake signal
2	L/W	SVS fault indicator control
3	Br/W	APS1 Signal grounding
4	W/L	Speed signal
5	Br/R	Clutch pedal switch signal
6	Y/V	MIL indicator control
7	L/G	Preheater indicator control
8	G/R	Diagnosis line - K-line
9	-	-
10	L/W	Brake switch auxiliary brake signal
11	Y/G	APS1 signal
12	Br/G	APS2 Signal grounding

Connector code	M53
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	NS16MW-LC
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	-	-
2	R/Y	Main relay power
3	W/R	Engine speed signal output
4	B/W	Speed signal

Connector information

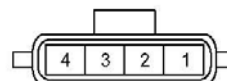
Serial No.	Color	Function Name
5	R/G	Main relay control
6	Y/R	Rear O ₂ high-level signal
7	Lg/R	Rear O ₂ heating signal
8	R/L	Main relay power
9	Lg/R	Fuel pump (+)
10	W	MIL indicator control
11	Y	SVS fault indicator control
12	R	Battery power supply
13	B/L	ECU IG power supply
14	P	Diagnosis communication line
15	R/B	Rear O ₂ low-level signal
16	G	Brake signal

Connector code	M54
Connector name	Seatbelt switch
Connector type	A03FW



Serial No.	Color	Function Name
1	W/B	Seat belt no-use signal
2	B	Earthing
3	-	-

Connector code	M55
Connector name	后氧传感器
Connector type	
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	R/L	Main relay power
2	Lg/R	Rear O ₂ heating signal
3	Y/R	Rear O ₂ high-level signal
4	R/B	Rear O ₂ low-level signal

Connector code	M56
Connector name	Main relay
Connector type	M04FL-IS
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	W/R	Battery power supply
2	R/G	Master relay (-)
3	B/L	Ignition power supply
5	B/L	Fuel injector output

Connector information

Connector code	M57
Connector name	Transfer case relay
Connector type	M04FL-IS
Notes	
Applicable engine model	ZD28D11-4DA(4WD)/ZD30D13-4N2(4WD)



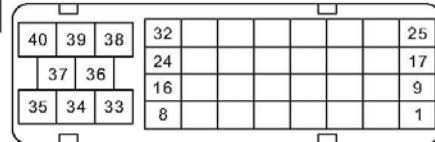
Serial No.	Color	Function Name
1	R/G	Splitter relay power supply
2	R/G	Splitter relay power supply
3	L/W	Transfer box relay control
4	R	Transfer box solenoid valve output

Connector code	M58
Connector name	Diode
Connector type	DJ7023-2.3-21
Notes	
Applicable engine model	ZD28D11-4DA(4WD)/ZD30D13-4N2(4WD)



Serial No.	Color	Function Name
1	L	4-wheel drive switch power supply
2	L/W	Transfer box relay ground control

Connector code	M60
Connector name	Connect ECU
Connector type	
Notes	
Applicable engine model	ZD22TE/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	-	-
2	-	-
3	G	油温输入(+)
4	B/R	EGRvalve control output(12V)
5	R	Timing solenoid valve control output(+)
6	Y	油温输入(-)
7	-	-
8	-	-
9	-	-
10	L	Sliding sleeve position sensor (+)
11	Br	Sliding sleeve position sensor (-)
12	W	Sleeve position input
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	-	-
23	-	-
24	-	-
25	-	-

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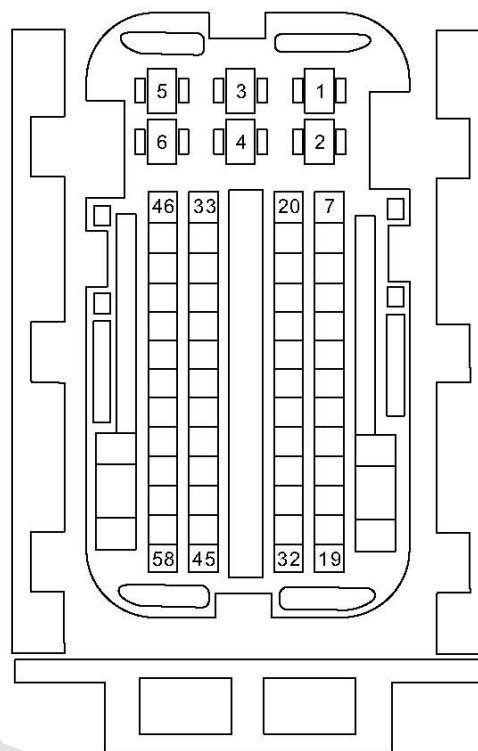
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Connector information

Serial No.	Color	Function Name
26	-	-
27	W/B	EGR valve control output (-) (*2)
28	L/G	Timing stroke sensor power supply (5V)
29	G	High speed Fan relay control(*1)
30	R	Low speed Fan relay control(*1)
31	Br	Timing solenoid valve control output(-)(*2)
32	P	Timing stroke sensor input
33	B/W	Timing stroke sensor signal grounding
34	Y	Oil volume control (+)
35	W	Oil volume control (-)
36	-	-
37	-	-
38	-	-
39	-	-
40	-	-

Connector code	M60
Connector name	Connect ECU
Connector type	BDA52FB-BH46-LH
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	R	Main relay power
2	B	Earthing
3	R/W	Main relay power
4	B	Earthing
5	R/B	Main relay power
6	B	Earthing
7	L/W	Clutch pedal switch signal
8	R	Brake switch auxiliary brake signal
9	Gr	Pressure switch signal
10	-	-
11	-	-
12	-	-
13	-	-

Connector information

Serial No.	Color	Function Name
14	-	-
15	-	-
16	L	Diagnosis line - K-line
17	-	-
18	-	-
19	Gr/G	Ignition power supply
20	-	-
21	Y	Brake switch main brake signal
22	-	-
23	-	-
24	-	-
25	-	-
26	-	-
27	-	-
28	-	-
29	-	-
30	W/R	Engine speed signal
31	-	-
32	-	-
33	-	-
34	-	-
35	G/Y	Diagnosis interfaceCAN-L
36	P/L	Diagnosis interfaceCAN-H
37	-	-
38	-	-
39	-	-
40	-	-
41	G/V	OBD indicator control
42	V	Fan relay control
43	-	-
44	-	-
45	P/B	Main relay control
46	-	-
47	-	-
48	-	-
49	-	-
50	-	-
51	-	-
52	-	-

Serial No.	Color	Function Name
53	-	-
54	O	Preheating relay control
55	Sb	A/C relay control
56	L/W	Preheater indicator control
57	-	-
58	W/V	SVS indicator control

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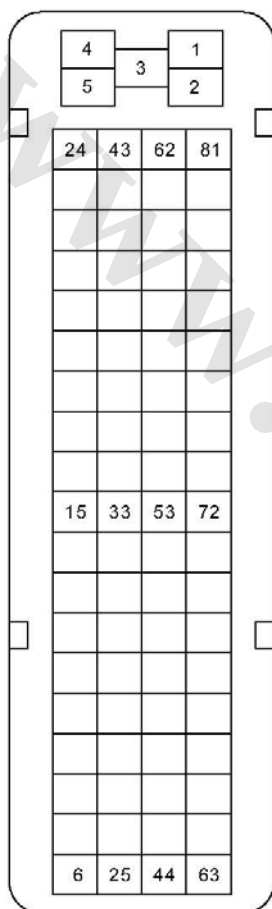
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Connector information

Connector code	M61
Connector name	Connect ECU
Connector type	
Notes	
Applicable engine model	ZD22TE/CYQD80-E4
*1Applicable engine model	CYQD80-E4
*2Applicable engine model	ZD22TE



Serial No.	Color	Function Name
1	R	Battery power supply
2	-	
3	R	Battery power supply
4	B	Common grounding
5	B	Common grounding

Serial No.	Color	Function Name
6	R/Y	Exhaust pressure difference sensor Power supply(*1)
	R/W	Exhaust pressure difference sensor Power supply(*2)
7		-
8		-
9	W	Oil pump speed input(+)(*1)
	B/Y	Oil pump speed input(+)(*2)
10	—	-
11	O	Oil pump speed input(-)(*1)
	B/L	Oil pump speed input(-)(*2)
12	Y	CAN bus is high
13	G	Air conditioning switch signal input(*1)
	B/W	Air conditioning switch signal input(*2)
14	—	-
15		-
16	L	MIL indicator control
17		-
18	—	-
19	G	SVS fault indicator control
20	B/W	Preheating relay control output(-)(*1)
	B/Y	Preheating relay control output(-)(*2)
21	—	-
22	G/R	Preheater indicator control output
23	Y/G	Water temperature sensor signal input
24	W	Exhaust pressure difference sensor signal input(1)
	G/Y	Exhaust pressure difference sensor signal input(2)
25	W/R	APS1 Power supply(5V)
26	Y/R	Coolant temperature sensor signal output
27	R	Crankshaft speed sensor(+)(*1)
	Br	Crankshaft speed sensor(+)(*2)
28	—	-
29	B/Y	Speed signal
30	B	Intake temperature/pressure sensor grounding
31	G	CAN bus is low
32	—	-
33	G/Y	Clutch input (-)
34	—	-
35	R/G	Auxiliary brake switch signal input
36	R/Y	Main brake switch signal input(*1)
	R/W	Main brake switch signal input(*2)

Connector information

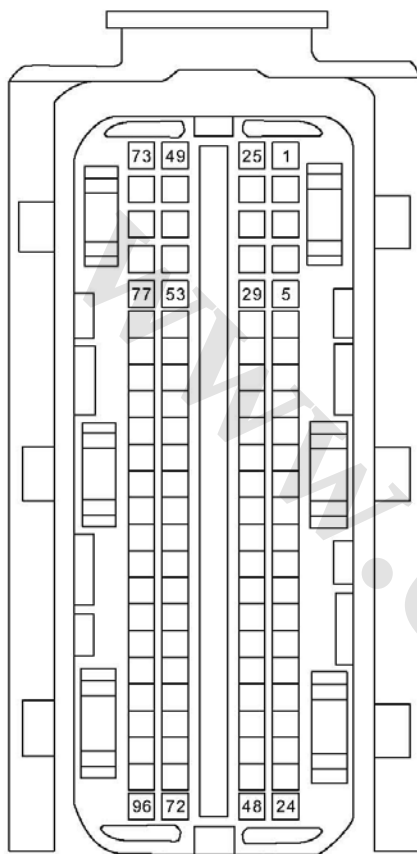
Serial No.	Color	Function Name
37	-	-
38	Y/G	Intake temperature signal input
39	G/W	Intake pressure signal input
40	-	-
41	-	-
42	-	-
43	-	-
44	-	-
45	G	Crankshaft speed sensor(-)(*1)
	O	Crankshaft speed sensor(-)(*2)
46	Y/G	APS1 signal input
47	G/R	APS2 Power Supply(5V)
48	Br/Y	APS1 grounding (*1)
	Br/G	APS1 grounding (*2)
49	L	Lift sensor input
50	G/W	Crankshaft speed sensor shield grounding (*1)
	B	Crankshaft speed sensor shield grounding (*2)
51	-	-
52	-	-
53	-	-
54	-	-
55	R/B	EGR lift sensor power supply
56	O/B	EGR lift sensor grounding
57	-	-
58	-	-
59	-	-
60	-	-
61	-	-
62	W/R	Fuel inlet solenoid valve control
63	Br	APS2 Ground(*1)
	Br/G	APS2 Ground(*2)
64	B	Exhaust pressure difference sensor grounding (*1)
	B/W	Exhaust pressure difference sensor grounding(*2)
65	W/R	Engine speed signal output(*2)
66	-	-
67	Y/W	APS2 signal input
68	B/Y	Water temperature sensor signal grounding
69	B	Oil pump speed sensor shield grounding
70	-	-

Serial No.	Color	Function Name
71	-	-
72	Y	Clutch input(+)
73	-	-
74	-	-
75	W/R	Intake air temperature/pressure sensor power supply
76	-	-
77	-	-
78	Sb	Diagnosis communication K-line
79	-	-
80	G/R	Preheating relay control output(12V) (*1)
81	W/B	Ignition power input

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Connector information

Connector code	M61
Connector name	Connect ECU
Connector type	BDA96FB-LH
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	W	III cylinder fuel injector Low voltage level
2	B	II cylinder fuel injector Low voltage level
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	B	Rail pressure sensor signal grounding

Serial No.	Color	Function Name
9	-	-
10	-	-
11	L/R	APS1 power supply
12	B/R	Crankshaft speed sensor negative signal
13	-	-
14	-	-
15	L/O	APS2 Signal grounding
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	-	-
23	-	-
24	-	-
25	W/R	I cylinder fuel injector Low voltage level
26	L	IV cylinder fuel injector Low voltage level
27	-	-
28	-	-
29	Sb	Camshaft position sensor grounding
30	-	-
31	G	F3,F11,F47,F49 Shield
32	-	-
33	-	-
34	-	-
35	W/R	APS2 power supply
36	Y/R	Crankshaft speed sensor positive signal
37	R	Rail pressure sensor power supply
38	P/B	EGR solenoid valve voltage of 5V
39	B/R	HIGH EGR SOLENOID VALVE DC VOLTAGE
40	L	APS1 Signal grounding
41	-	-
42	-	-
43	-	-
44	-	-
45	-	-
46	-	-
47	Sb/B	Air flow meter signal grounding

Connector information

Serial No.	Color	Function Name
48	—	—
49	R	II cylinder fuel injector High voltage level
50	—	—
51	B/W	IV cylinder fuel injector High voltage level
52	—	—
53	—	—
54	—	—
55	G/W	Air flow meter signal grounding
56	—	—
57	—	—
58	—	—
59	O/L	Coolant temperature sensor signal
60	W/G	Air flow meter intake temperature signal
61	W	Rail pressure sensor signal
62	—	—
63	—	—
64	L/W	APS1 signal
65	—	—
66	—	—
67	B/W	Speed signal
68	—	—
69	—	—
70	—	—
71	—	—
72	—	—
73	G/W	III cylinder fuel injector High voltage level
74	B/R	I cylinder fuel injector High voltage level
75	—	—
76	Y	High-pressure fuel pump control valve low level
77	G	Camshaft position sensor
78	Lg	EGR solenoid valve grounding
79	—	—
80	—	—
81	—	—
82	Gr	Air flow meter inlet pressure signal
83	—	—
84	Gr/L	EGR solenoid valve signal
85	G/O	Coolant temperature sensor signal grounding
86	—	—

Serial No.	Color	Function Name
87	-	-
88	-	-
89	L/Y	APS2 signal
90	-	-
91	-	-
92	Br/Y	Ignition switch power supply
93	-	-
94	-	-
95	-	-
96	W	Low EGR solenoid valve DC voltage

Connector code	M62
Connector name	ECU grounding point
Connector type	E-LA6
Notes	
Applicable engine model	ZD22TE/CYQD80-E4/ZD30D13-4N2



Serial No.	Color	Function Name
1	B	ECU grounding

Connector code	M63
Connector name	ECU grounding point
Connector type	E-LA6
Notes	
Applicable engine model	ZD22TE/CYQD80-E4/ZD30D13-4N2



Serial No.	Color	Function Name
1	B	ECU grounding

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Connector information

Connector code	M64
Connector name	Connect the wiper motor
Connector type	M06FW-LC



3	2	1
6	5	4

Serial No.	Color	Function Name
1	L/W	Wiper motor, high speed
2	L/R	Wiper motor, low speed
3	-	
4	B	Earthing
5	B/L	Wiper stop
6	L/Y	Wiper interval control power supply

Connector code	M65
Connector name	Wiring harness connector (connected to the engine wiring harness)
Connector type	SWP-16M(H)
Notes	
Applicable engine model	ZD22TE/CYQD80-E4
*1Applicable engine model	CYQD80-E4
*2Applicable engine model	ZD22TE



1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

Serial No.	Color	Function Name
1	O/B	EGR Lift sensor signal ground
2	L	Lift sensor input
3	R/B	EGR lift sensor power supply
4	B	Oil pump speed sensor shield grounding
5	W	Oil pump speed input(+)(*1)
	B/Y	Oil pump speed input(+)(*2)
6	O	Oil pump speed input(-)(1)
	B/L	Oil pump speed input(-)(2)

Serial No.	Color	Function Name
7	Br	Timing solenoid valve control output(-)(*1)
	Br/W	Timing solenoid valve control output(-)(*2)
8	R/Y	Timing solenoid valve control output(+)
9	Y	Battery power supply
10	G	Air inlet differential-pressure pickup power supply
11	W	Sleeve position signal input
12	Br	Sliding sleeve position sensor (-)
13	L	Sliding sleeve position sensor (+)
14	-	-
15	Y	Oil volume control output(+)
16	W	Oil volume control output(-)

Connector code	M65
Connector name	Wiring harness connector (connected to the engine wiring harness)
Connector type	SWP-16M(H)
Notes	
Applicable engine model	ZD30D13-4N2



1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

Serial No.	Color	Function Name
1	L/B	Air flow meter signal grounding
2	W/G	Air flow meter intake temperature signal
3	Gr	Air flow meter inlet pressure signal
4	Lg/W	Air flow meter signal grounding
5	L	IV cylinder fuel injector Low voltage level
6	W	III cylinder fuel injector Low voltage level
7	B	II cylinder fuel injector Low voltage level
8	W/R	I cylinder fuel injector Low voltage level
9	B/W	IV cylinder fuel injector High voltage level
10	G/W	III cylinder fuel injector High voltage level
11	R	II cylinder fuel injector High voltage level
12	B/R	I cylinder fuel injector High voltage level
13	G/Y	Main relay power

Connector information

Serial No.	Color	Function Name
14	Y/R	Coolant temperature sensor signal
15	Y	High-pressure fuel pump control valve low level
16	-	-

Connector code	M66
Connector name	Wiring harness connector (connected to the engine wiring harness)
Connector type	SWP-16F(H)
Notes	
Applicable engine model	ZD22TE/CYQD80-E4
*1Applicable engine model	CYQD80-E4
*2Applicable engine model	ZD22TE



4	3	2	1
8	7	6	5
12	11	10	9
16	15	14	13

Serial No.	Color	Function Name
1	R/G	Air inlet solenoid valve control output (+)
2	B/R	EGR valve control output (+12v)
3	W/B	EGR valve control output (-)
4	R/W	Exhaust pressure difference sensor Power supply(*2)
5	B/W	Exhaust pressure difference sensor grounding(*2)
6	G/Y	Exhaust pressure difference sensor signal input(2)
7	G/R	Preheating relay control output(+12v)
8	B/W	Preheating relay control output(-)(*1)
	B/Y	Preheating relay control output(-)(*2)
9	B	Intake temperature/pressure sensor signal grounding
10	W/R	Intake air temperature/pressure sensor power supply
11	Y/G	Intake temperature signal input
12	G/W	Intake pressure signal input
13	W/B	Oil-water separator(+)(*2)
14	L/G	Timing sensor power supply
15	P	Timing stroke signal input
16	B/W	Timing stroke sensor signal grounding

Connector code	M66
Connector name	Wiring harness connector (connected to the engine wiring harness)
Connector type	SWP-16F(H)
Notes	
Applicable engine model	ZD30D13-4N2



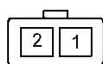
4	3	2	1
8	7	6	5
12	11	10	9
16	15	14	13

Serial No.	Color	Function Name
1	R/B	Rail pressure sensor power supply
2	W	Rail pressure sensor signal
3	B	Rail pressure sensor signal grounding
4	G/Y	Air flow meter, crankshaft speed sensor shield
5	B/V	Crankshaft speed sensor negative signal
6	Y/R	Crankshaft speed sensor positive signal
7	L	Camshaft position sensor grounding
8	G	Camshaft position sensor signal
9	W	Low EGR solenoid valve DC voltage
10	B/V	HIGH EGR SOLENOID VALVE DC VOLTAGE
11	R	Main relay power
12	G/Y	Coolant temperature sensor signal grounding
13	P/B	EGR solenoid valve voltage of 5V
14	Gr/L	EGR solenoid valve signal
15	Lg	EGR solenoid valve grounding
16	O/L	Coolant temperature sensor signal

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Connector information

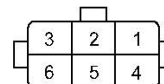
Connector code	M67
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	P/B	Main relay control
2	R/B	Main relay power

Engine compartment wiring harness connector (E-)

Connector code	E1
Connector name	Connect the right front combination light
Connector type	RS06FGr



Serial No.	Color	Function Name
1	P/L	Position light(+)
2	B	Earthing
3	Gr/R	Turn signal light(+)
4	P/L	Dimming motor (+)
5	G	Dimming position control
6	R	Daytime running light(+)

Connector code	E2
Connector name	Right engine compartment wiring harness grounding point
Connector type	



Serial No.	Color	Function Name
1	B	Engine compartment harness ground RH

Connector information

Connector code	E3
Connector name	Connect the bidirectional pressure switch
Connector type	RS02FGr
Notes	
*1Applicable engine model	ZD25TCI/ZD22TE/ZD28D11-4DA/ ZD30D13-4N2
*2Applicable engine model	ZG24/CYQD80-E4



Serial No.	Color	Function Name
1	Y	Pressure switch signal(*1)
	G/O	Pressure switch signal(*2)
2	G/O	Pressure switch signal(*1)
	Y	Pressure switch signal(*2)

Connector code	E4
Connector name	Wiring harness connector (connected to the engine wiring harness)
Connector type	RS08MGr
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA
*2Applicable engine model	ZD22TE
*3Applicable engine model	ZG24
*4Applicable engine model	ZD25TCI/ZD28D11-4DA/ CYQD80-E4
*5Applicable engine model	ZD30D13-4N2
*6Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/ ZG24



Serial No.	Color	Function Name
1	R	Speed sensor power supply
	O	speed sensor power supply(*5)

Serial No.	Color	Function Name
2	Br/G	APS2 Signal grounding(*1)
	O	Crankshaft speed sensor(-)(*2)
	V	High speed Fan relay control(*3)
	B	Ground(*5)
3	Y/G	APS1 signal(*1)
	G/W	Crankshaft speed sensor shield grounding (*2)
		Water signal in the oil(*5)
	L/Y	Low speed Fan relay control(*3)
4	Y/L	Crankshaft speed sensor(+)(*4)
	Y/L	Oil pressure alarm signal(*3)
	Br	Crankshaft speed sensor(+)(*2)
	Y/G	Oil pressure alarm signal(*5)
5	W	Speed signal
6	Y/B	Charging indicator control(*6)
7	R/B	Reverse switch(-)
8	W/B	Power supply for generator, IG1 relay, reverse lights, reverse radar, and combination instrument

Connector code	E5
Connector name	Connect the right turn signal light
Connector type	M02FB



Serial No.	Color	Function Name
1	B	Earthing
2	Gr/R	Turn signal light(+)

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Connector information

Connector code	E6
Connector name	Wiring harness connector (connected to the engine wiring harness)
Connector type	X02MGr
Notes	
*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD22TE/ZD28D11-4DA
*3Applicable engine model	CYQD80-E4
*4Applicable engine model	ZD22TE
*5Applicable engine model	ZD28D11-4DA
*6Applicable engine model	ZG24



Serial No.	Color	Function Name
1	W/R	Starter relay power supply (*1)
	B/Y	Starter relay power supply (*2)
		Starter power supply (*6)
	B	Starter relay grounding (*3)
2	R/O	Fuel filter heater (+) (*4)
	Y	Bidirectional pressure switch signal(*5)
	B	Starter relay grounding (*6)
	B/Y	Starter relay power supply (*3)

Connector code	E6
Connector name	Wiring harness connector (connected to the engine wiring harness)
Connector type	L02MB-MC
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	W/R	Generator (+)
2	W/R	Generator (+)

Connector code	E7
Connector name	Wiring harness connector (connected to the engine wiring harness)
Connector type	
Notes	
*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD28D11-4DA
*3Applicable engine model	ZG24
*4Applicable engine model	ZD25TCI/ZD28D11-4DA



Serial No.	Color	Function Name
1	Y	Pressure switch signal(*1)
	W	Main relay control(*2)
	P	Diagnosis communication line(*3)
2	B/W	IG power supply(*4)
	R/Y	Main relay power output(*3)
3	Y/W	Brake switch main brake signal(*4)
	R	Battery power supply (*3)
4	L/Y	Low speed Fan relay control(*4)
	G/W	Alternator(+)(*3)
5	L/W	SVSfault indicator control(*4)
	R/L	Main relay power output(*3)
6	V	High speed Fan relay control(*4)
	Y	Oil pump relay control(*3)
7	W/L	Speed signal(*4)
	W/B	Alternator(+)(*3)
8	W/R	Main relay power(*1)
	Y/R	Main relay power(*2)
	B/L	IG power supply(*3)
9	G/R	Diagnosis line - K-line(*4)
	Y/R	Air conditioning request signal input(*3)
10	L/W	Brake switch auxiliary brake signal(*4)
	W/L	Speed signal(*3)

Connector information

Serial No.	Color	Function Name
11	G/Br	A/C relay control(*4)
	W/R	Engine speed signal output(*3)
12	Br/R	Clutch pedal switch signal(*4)
	R/G	Main relay control(*3)
13	Y/V	MIL indicator control(*4)
	W	MIL indicator control(*3)
14	R/B	Control power supply for combination instrument, clutch pedal, brake switch and air conditioning relay (*1)
	Y/R	Main relay power(*2)
	B	ECU ground(*3)
15	W/R	Engine speed signal(*4)
	Y	SVS fault indicator control(*3)

Connector code	E8
Connector name	Wiring harness connector (connected to the engine wiring harness)
Connector type	L01MB
Notes	
Applicable engine model	ZD22TE/ZD25TCIZD28D11-4DA/CYQD80-E4/ZG24



Serial No.	Color	Function Name
1	W/R	Starter relay power supply

Connector code	E9
Connector name	Connect the low brake level alarm
Connector type	YV02FGr



Serial No.	Color	Function Name
1	Br/W	Brake fluid level alarming signal

Serial No.	Color	Function Name
2	B	Earthing

Connector code	E10
Connector name	Connect left turn signal light
Connector type	M02FB



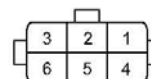
Serial No.	Color	Function Name
1	B	Earthing
2	Gr/L	Turn signal light(+)

Connector code	E12
Connector name	Connect the battery positive pole
Connector type	L01FB



Serial No.	Color	Function Name
1	W	Battery power supply

Connector code	E13
Connector name	Connect the left front combination light
Connector type	RS06FGr



Serial No.	Color	Function Name
1	P/L	Position light(+)

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Connector information

Serial No.	Color	Function Name
2	B	Earthing
3	Gr/L	Turn signal light(+)
4	P/L	Dimming motor (+)
5	G	Dimming position control
6	R	Daytime running light(+)

Connector code	E14
Connector name	Wiring harness connector (connected to the engine wiring harness)
Connector type	RS08MB
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA
*2Applicable engine model	ZD22TE
*3Applicable engine model	ZG24
*4Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/CYQD80-E4
*5Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24
*6Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	Br/G	APS1 Signal grounding(*1)
	R/Y	Fuel heater relay power supply (*2)
	Y/R	Rear O ₂ high-level signal(*3)
2	W/R	APS1 power supply(*1)
	R/B	Rear O ₂ low-level signal(*3)
	O	Engine speed signal(+)(*6)
3	G/R	APS2 power supply(*1)
	Y/G	Coolant temperature sensor signal input(2)
	Lg/R	Rear O ₂ heating signal (*3)
4	G/W	Coolant temperature sensor signal input(6)
	Br/W	Water signal in the oil(*4)
5	Y/R	Water temperature sensor signal (*5)
	B/Y	Coolant temperature sensor grounding (*2)
6	B/W	Compressor electromagnetic clutch
	Br	Compressor electromagnetic clutch(*6)

Serial No.	Color	Function Name
7	Y/W	APS2 signal output (*1)
	Y/L	Oil pressure alarm signal(*2)
	Y	Air conditioning disconnection signal (*3)
8	L/G	Preheater indicator control(*1)
	B/Y	Filter heating switch signal (*2)

Connector code	E15
Connector name	Connect the left head lamp
Connector type	NQ03FB



Serial No.	Color	Function Name
1	R/G	近光(+)
2	B	Earthing
3	R/L	远光(+)

Connector code	E16
Connector name	Left engine compartment wiring harness grounding point
Connector type	



Serial No.	Color	Function Name
1	B	Engine compartment harness ground LH

Connector information

Connector code	E17
Connector name	Connect the wash spray pump
Connector type	Z02FGr



Serial No.	Color	Function Name
1	L/Y	Wash motor(+)
2	L/B	Wash motor (-)

Connector code	E20
Connector name	Connect the right front headlight
Connector type	NQ03FB



Serial No.	Color	Function Name
1	R/B	近光(+)
2	B	Earthing
3	R/Y	远光(+)

Connector code	E18
Connector name	Connect the bass speaker
Connector type	P01FB



Serial No.	Color	Function Name
1	G/W	Horn (+)

Connector code	E19
Connector name	Connect the cooling fan
Connector type	
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/ ZD30D13-4N2/ZG24



Serial No.	Color	Function Name
1	P	High speed fan (+)
2	B/L	Low speed fan (+)
3	B	Earthing

Connector code	E21
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS12MW-LC
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA
*2Applicable engine model	ZD22TE/CYQD80-E4
*3Applicable engine model	ZG24
*4Applicable engine model	ZD30D13-4N2
*5Applicable engine model	ZD25TCI(4WD)
*6Applicable engine model	ZD25TCI(2WD)/ZD30D13-4N2
*7Applicable engine model	ZD25TCI(2WD)/ZD30D13-4N2(2WD)/ZG24(2WD)



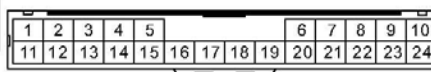
Serial No.	Color	Function Name
1	Y/W	APS2 signal output (*1)
	O	Crankshaft speed sensor(-)(*2)
	B/Y	Starter(+)(*3)
	Y	Pressure switch signal(*4)
2	W/R	APS1 power supply(*1)
	G/W	Crankshaft speed sensor shield grounding (*2)
	Y	Diagnosis line - K-line(*3)
3	R/Y	Right front high beam light (+)

Connector information

Serial No.	Color	Function Name
4	R/W	Left front headlight power supply
	P/B	High beam lamp power supply FL(*4)
5	R	Right front headlight power supply
6	G/R	APS2 power supply(*1)
	Br	Crankshaft speed sensor(+)(*2)
	B/Y	Starter(+)(*3)
	G/O	Pressure switch signal(*4)
7	B/W	IG power supply(*1)
		Air conditioning switch signal input(*2)
	V	Fan relay control(*4)
8	R	Daytime running light(+)(*2)
		Transfer box solenoid(*5)
	Y	Diagnosis line - K-line(*6)
9	R/G	Splitter solenoid valve power supply (*5)
	R/W	Ignition power supply(*7)
	G	Dimming position control(*2)
10	R/G	Left front low beam light(+)
11	R/L	Left front high beam light(+)
12	R/B	Right front low beam light (+)

Connector code	E22
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	A24MW
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD22TE/CYQD80-E4
*2Applicable engine model	ZD25TCI(2WD)/ZD30D13-4N2(2WD)/ZG24(2WD)
*3Applicable engine model	ZD25TCI(4WD)
*4Applicable engine model	ZD25TCI(2WD)
*5Applicable engine model	ZD28D11-4DA
*6Applicable engine model	ZG24(2WD)
*7Applicable engine model	ZD22TE
*8Applicable engine model	ZD25TCI/ZD28D11-4DA/CYQD80-E4/ZG24
*9Applicable engine model	ZD25TCI/ZD28D11-4DA/CYQD80-E4
*10Applicable engine model	CYQD80-E4(4WD)

*11Applicable engine model	ZD30D13-4N2(2WD)
*12Applicable engine model	ZD30D13-4N2(4WD)
*13Applicable engine model	CYQD80-E4(2WD)
*14Applicable engine model	ZD30D13-4N2
*15Applicable engine model	ZD25TCI/ZD28D11-4DA

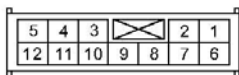


Serial No.	Color	Function Name
1	R/B	Reverse switch(-)
2	R	Speed sensor power supply
	O	Speedometer sensor (*14)
3	Br/W	Brake / fault signal
	P/O	Brake/failure signal(*14)
4	Br/W	Water signal in the oil(*1)
	G/W	Water signal in the oil(*14)
5	G/Y	Brake signal(*2)
6	Gr/L	Left turn signal light(+)
7	G/B	Horn relay control
8	B	Splitter relay control (*3)
		Ground(*7/*12)
		Starter relay grounding (*10)
	L/R	ABS failure warning lamp control(*4/*11)
9	R/B	Main relay power output(*5)
	L	Right rear wheel speed sensor signal(*6)
	L	Right rear wheel speed sensor signal(*4)
	Y/G	Coolant temperature sensor signal input(*7/*10)
10	Y/R	Main relay power(*5)
	W	Right rear wheel speed sensor signal(*11)
	P	Right rear wheel speed sensor power supply(*2)
	L/Y	Low speed Fan relay control(*7)
11	R	CAN-H(*5)
	R/G	Transfer box relay power supply(*10/*13)
12	Y/B	Charging indicator control
13	W	Speed signal
14	Y/L	Oil pressure alarm signal
	Y/R	Water temperature signal(*8)
	V	Preheating relay control(*14)

Connector information

Serial No.	Color	Function Name
15	L/R	ABS alarm indicator control (*6)
	R	Power supply for air conditioning relay and fan relay (*14)
16	W/R	Engine speed signal(*9)
	B/W	Charging indicator control(*14)
17	G/O	Pressure switch signal
	Sb/B	A/C relay control(*14)
18	L/B	Front washer motor (-)
19	P/L	Position light(+)
20	Gr/R	Right turn signal light (+)
21	W/B	Power supply for generator, IG1 relay, reverse lights, reverse radar, and combination instrument
22	R	Power supply for combination instrument, brake switch and clutch pedal switch (*15)
	V	High speed Fan relay control(*7)
	P	Left rear wheel speed sensor signal(*6)
	B	Ground(*10/*13/*14)
23	P	Left rear wheel speed sensor signal(*4)
	W/B	Ignition power supply(*7)
	Y/R	Main relay power(*5)
	R	Main relay power(*10)
24	Lg	Left rear wheel speed sensor signal(*11)
	L	Left rear wheel speed sensor power supply(*2)
	B/Y	Coolant temperature sensor grounding (*7)
	G	CAN-L(*5)
24	Y/G	Coolant temperature sensor grounding (*10)

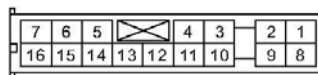
Connector code	E23
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS12FGr-LC
Notes	
Matching engines:	ZD25TCI/ZD28D11-4DA



Serial No.	Color	Function Name
1	Y/W	Brake switch main brake signal
2	L/W	SVS fault indicator control

Serial No.	Color	Function Name
3	Br/G	APS1 Signal grounding
4	W/L	Speed signal
5	Br/R	Clutch pedal switch signal
6	Y/V	MIL indicator control
7	L/G	Preheater indicator control
8	G/R	Diagnosis line - K-line
9	-	-
10	L/W	Brake switch auxiliary brake signal
11	Y/G	APS1 signal
12	Br/G	APS2 Signal grounding

Connector code	E23
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS16FW-LC
Notes	
Matching engine: ZG24	

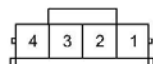


Serial No.	Color	Function Name
1	-	-
2	R/Y	Main relay power
3	W/R	Engine speed signal output
4	W/L	Speed signal
5	R/G	Main relay control
6	Y/R	Rear O ₂ high-level signal
7	Lg/R	Rear O ₂ heating signal
8	R/L	Main relay power
9	Lg/R	Fuel pump (+)
10	W	MIL indicator control
11	Y	SVS fault indicator control
12	R	Battery power supply
13	B/L	ECU IG power supply
14	P	Diagnosis communication line
15	R/B	Rear O ₂ low-level signal
16	G	Brake signal

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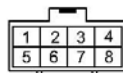
Connector information

Connector code	E24
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS04FW
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2/ZG24



Serial No.	Color	Function Name
1	-	-
2	-	-
3	G	Dimming position control
4	R	Daytime running light(+)

Connector code	E25
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	M08MB
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD22TE/CYQD80-E4
*2Applicable engine model	ZG24
*3Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	B/Y	IG2 power supply
2	B/L	IG1 power supply
	L	IG1 power supply(*3)
3	B/W	Accessory power supply
4	W/B	Ignition switch power supply
5	G/W	Air conditioning relay power supply output
6	L/Y	Wiper power supply
7	B/Y	Starter relay power supply (*1)
	W/R	Starter power supply (*2)

Serial No.	Color	Function Name
8	W/B	Generator (+)

Connector code	E26
Connector name	Connect the cockpit fuse box
Connector type	M04FW



Serial No.	Color	Function Name
1	W/R	Battery power supply
2	B/Y	IG2Power supply
3	B/L	IG1 power supply
4	B/W	Accessory power supply

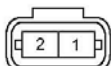
Connector code	E27
Connector name	Connect the cockpit fuse box
Connector type	L02FB



Serial No.	Color	Function Name
1	W/R	Battery power supply
2	W/R	Battery power supply

Connector information

Connector code	E28
Connector name	Connect the right speed sensor
Connector type	RS02FGr
Notes	
Applicable engine model	ZD25TCI(with ABS)/ZG24(with ABS)/D30D13-4N2(with ABS)



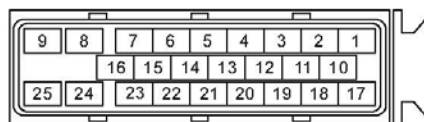
Serial No.	Color	Function Name
1	L	Right front wheel speed sensor signal
2	P	Right front wheel speed sensor power supply

Connector code	E29
Connector name	Connect the left speed sensor
Connector type	RS02FGr
Notes	
Applicable engine model	ZD25TCI(WithABS)/ZG24(WithABS)/ZD30D13-4N2(WithABS)



Serial No.	Color	Function Name
1	L	Left front wheel speed sensor signal
2	P	Left front wheel speed sensor power supply

Connector code	E30
Connector name	ABS module
Connector type	
Notes	
Applicable engine model	ZD25TCI(WithABS)/ZG24(WithABS)/ZD30D13-4N2(WithABS)



Serial No.	Color	Function Name
1	L	Left front wheel speed sensor power supply
2	P	Left front wheel speed sensor signal
3	-	-
4	R/W	Ignition power supply
5	L	Left rear wheel speed sensor power supply
6	P	Left rear wheel speed sensor signal
7	Y	Diagnosis line - K-line
8	B	Earthing
9	O	Battery power supply
10	-	-
11	-	-
12	-	-
13	-	-
14	-	-
15	-	-
16	L/R	ABS failure warning lamp control
17	-	-
18	G/Y	Brake signal
19	P	Right front wheel speed sensor power supply
20	L	Right front wheel speed sensor signal
21	-	-
22	P	Right rear wheel speed sensor power supply
23	L	Right rear wheel speed sensor signal
24	B	Earthing
25	Br	Battery power supply

GI

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Connector information

Connector code	E31
Connector name	Wiring harness connector (connected to the engine wiring harness)
Connector type	RS04MGr
Notes	
Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	R	CAN-H
2	G	CAN-L
3	-	-
4	-	-

Connector code	E32
Connector name	Connect the fuel-water separator alarm switch
Connector type	
Notes	
Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	G/R	Fuel heating relay control
2	W/B	Ignition power supply

Connector code	E33
Connector name	Connect the fuel-water separator heater
Connector type	
Notes	
Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	W/G	Oil-water separation heating power supply
2	B	Earthing

Connector code	E34
Connector name	Connect the fuel-water separator
Connector type	
Notes	
Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	R	Oil-water separator power supply
2	Br/W	Water signal in the oil
3	B	Earthing

Connector information

Connector code	E35
Connector name	Connect the preheat relay
Connector type	
Notes	
Applicable engine model	ZD28D11-4DA/ZD30D13-4N2



Serial No.	Color	Function Name
1	W/R	Repay power supply

Connector code	E36
Connector name	Connect the engine coolant temperature sensor
Connector type	
Notes	
Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	Y/G	Engine coolant temperature sensor signal
2	B	Earthing

Connector code	E37
Connector name	Connect the engine coolant temperature sensor (instrument)
Connector type	
Notes	
Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	Y/R	Engine coolant temperature sensor signal

Connector code	E38
Connector name	Compressor electromagnetic clutch
Connector type	DJ7011Y-2.2-20
Notes	
Applicable engine model	CYQD80-E4/ZD30D13-4N2



Serial No.	Color	Function Name
1	B/W	Compressor(+)

GI
MA
EM
LC
EC
FE
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MT
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Connector information

Connector code	E39
Connector name	Connect the generator
Connector type	
Notes	
Applicable engine model	CYQD80-E4/ZD30D13-4N2
*1Applicable engine model	CYQD80-E4
*2Applicable engine model	ZD30D13-4N2



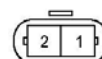
Serial No.	Color	Function Name
1	W/R	Alternator(+)(*1)
	B	Generator ground(*2)

Connector code	E40
Connector name	Connect the generator
Connector type	X02FW
Notes	
Applicable engine model	CYQD80-E4/ZD30D13-4N2
*1Applicable engine model	ZD30D13-4N2
*2Applicable engine model	CYQD80-E4



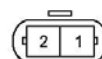
Serial No.	Color	Function Name
1	L	Alternator(+)(*1)
	W/R	Alternator(+)(*2)
2	B/W	Charging indicator control

Connector code	E41
Connector name	Connect the fuel preheater
Connector type	
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	B	Earthing
2	R	Fuel pre-heater(+)

Connector code	E42
Connector name	Connect the fuel temperature sensor
Connector type	
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	B	Earthing
2	Y	Fuel temperature sensor signal

Connector information

Connector code	E43
Connector name	Starter relay
Connector type	
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	B/Y	Starter relay(+)
2	B	Earthing

Connector code	E44
Connector name	Preheater relay
Connector type	M02FG-LC
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	R/L	Preheating relay control
2	V	Main relay power

Connector code	E45
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	L02MB-MC
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	P/B	Main relay control
2	R/B	Main relay power

Connector code	E46
Connector name	Connect the battery positive pole
Connector type	L01FB
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	W	Battery power supply

GI
MA
EM
LC
EC
FE
CL
MT
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Engine wiring harness connector (F-)

Connector code	F1
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	SWP-16F
Notes	
Applicable engine model	ZD22TE/ZD30D13-4N2/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	CYQD80-E4
*3Applicable engine model	ZD30D13-4N2
*4Applicable engine model	ZD22TE/CYQD80-E4



Serial No.	Color	Function Name
1	Br/L	EGR lift sensor signal grounding (*1)
	O/B	EGR lift sensor signal grounding (*2)
	Sb/B	Air flow meter signal ground (*3)
2	Y/G	Lift signal input CD
	L	Lift signal input (2)
	W/G	Air flow meter inlet temperature signal(*3)
3	R/G	EGR lift sensor power supply(*1)
	R/B	EGR lift sensor power supply(*2)
	W	Air flow meter inlet pressure signal(*3)
4	B	Oil pump speed sensor shield grounding
		Air flow meter grounding(*3)
5	L	IV cylinder fuel injector Low voltage level(*3)
		Oil pump speed input(+)(*1)
	B/Y	Oil pump speed input(+)(*2)
6	Gr	Oil pump speed input(-)(*1)
	B/L	Oil pump speed input(-)(*2)
	W	III cylinder fuel injector Low voltage level(*3)
7	R/W	Timing valve control output(-)0
	Br/W	Timing solenoid valve control output(-)(*2)
	B	II cylinder fuel injector Low voltage level(*3)
8	G	Timing solenoid valve control output(+)(*1)
	R/Y	Timing solenoid valve control output(+)(*2)
	W/R	I cylinder fuel injector Low voltage level(*3)

Serial No.	Color	Function Name
9	R	Battery power supply (*1)
	Y	Battery power supply (*2)
	W/B	IV cylinder fuel injector High voltage level(*3)
10	L/W	Intake pressure difference sensor power supply (*1)
	G	Intake pressure difference sensor power supply (*2)
	G/W	III cylinder fuel injector High voltage level(*3)
11	Gr	Sleeve position signal input(*1)
	W/R	Sleeve position signal input(*2)
	R	2nd cylinder injector high level(*3)
12	B	Sliding sleeve position sensor (-)(*1)
	B/R	I cylinder fuel injector High voltage level(*3)
		Sliding sleeve position sensor (-)(*2)
13	L	Sliding sleeve position sensor (+)(*4)
	R	Main relay power(*3)
14	Y/R	Coolant temperature sensor signal(3)
15	G	Oil volume control output(+)(*1)
	Y	High pressure oil pump quantity control valve low level(*3)
		Oil volume control output(+)(*2)
16	O	Oil volume control output(-)(*1)
	W	Oil volume control output(-)(*2)

Connector information

Connector code	F2
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	SWP-16M
Notes	
Applicable engine model	ZD22TE/ZD30D13-4N2/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	CYQD80-E4
*3Applicable engine model	ZD30D13-4N2



1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

Serial No.	Color	Function Name
1	V/R	Inlet solenoid valve control output (+) (*1)
	R/G	Inlet solenoid valve control output (+) (*2)
	R	Rail pressure sensor power supply(*3)
2	Y	EGR valve control output(+12v)(*1)
	B/R	EGR valve control output(+12v)(*2)
	W	Rail pressure sensor signal(3)
3	R/W	EGR valve control output (-) (*1)
	W/B	EGR valve control output (-) (*2)
	B	Rail pressure sensor signal ground(*3)
4	R/Gr	Exhaust pressure difference sensor Power supply(*1)
	G/Y	Air flow meter, crankshaft speed pickup ground(*3)
5	B/L	Exhaust pressure difference sensor grounding(*1)
	B/R	Crankshaft speed sensor negative signal(*3)
6	G/W	Exhaust pressure difference sensor signal input(*1)
	Y	Crankshaft speed sensor positive signal(*3)
7	R/W	Preheating relay control output(+12v)(*1)
	G/R	Preheating relay control output(+12v)(*2)
	Sb	Camshaft position sensor grounding (*3)
8	G/V	Preheating relay control output(-)(*1)
	B/Y	Preheating relay control output(-)(*2)
	G	Camshaft position sensor(*3)
9	L/Y	Intake temperature/pressure sensor signal grounding(*1)
	B	Intake temperature/pressure sensor signal grounding(*2)
	W	EGR DC motor low voltage(*3)

Serial No.	Color	Function Name
10	G	Intake air temperature/pressure sensor power supply(*1)
	W/R	Intake air temperature/pressure sensor power supply(*2)
	B/R	EGR DC motor high voltage(*3)
11	Br	Intake temperature signal input(*1)
	Y/G	Intake temperature signal input(*2)
	R	Main relay power(*3)
12	W/G	Air inlet pressure signal input(*1)
	G/W	Air inlet pressure signal input(*2)
	G/O	Coolant temperature sensor signal ground(*3)
13	R/B	Oil-water separator(+)(*1)
	P/B	EGR solenoid 5V voltage(*3)
14	Y/R	Timing stroke sensor power supply (*1)
	L/G	Timing stroke sensor power supply (*2)
	Gr/Sb	EGR sensor signal(3)
15	R/L	Timing stroke signal input(*1)
	P	Timing stroke signal input(*2)
	Lg	EGR solenoid ground(*3)
16	Br/W	Timing stroke sensor signal grounding(*1)
	B/W	Timing stroke sensor signal grounding(*2)
	L/R	Coolant temperature sensor signal(3)

GI

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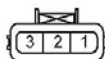
Connector information

Connector code	F3
Connector name	Crankshaft speed sensor
Connector type	
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	CYQD80-E4
*3Applicable engine model	ZD25TCI
*4Applicable engine model	ZD28D11-4DA



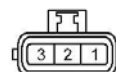
Serial No.	Color	Function Name
1	Gr	Crankshaft speed sensor(-)(*1)
	Br	Crankshaft speed sensor(-)(*2)
	L	Crankshaft speed pickup positive signal (3)
	W	Crankshaft speed sensor positive signal(*4)
2	L	Crankshaft speed sensor(+)(*1)
	O	Crankshaft speed sensor(+)(*2)
	Gr	Crankshaft speed sensor negative signal(*3)
	B	Crankshaft speed sensor negative signal(*4)

Connector code	F3
Connector name	Crankshaft speed sensor
Connector type	RS03FGr
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	G/Y	Shield grounding
2	B/R	Crankshaft speed sensor negative signal
3	Y	Crankshaft speed sensor positive signal

Connector code	F3
Connector name	Crankshaft speed sensor
Connector type	RS03FGr
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	L	Crankshaft speed sensor positive signal
2	Gr	Crankshaft speed sensor negative signal
3	B	Earthing

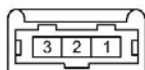
Connector code	F4
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	L01FB
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/ZG24/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	CYQD80-E4/ZD25TCI/ZD28D11-4DA/ZG24



Serial No.	Color	Function Name
1	R	Starter relay power supply (*1)
	W/R	Starter relay power supply (*2)

Connector information

Connector code	F5
Connector name	Speed sensor
Connector type	
Notes	
*1Applicable engine model	ZD30D13-4N2/CYQD80-E4
*2Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/ZG24



Serial No.	Color	Function Name
1	W/G	Body signal (*1)
	W	Body signal (*2)
2	R	Speed sensor power supply
3	B	Earthing

Connector code	F6
Connector name	Reverse gear switch
Connector type	SWP-2F
Notes	
Applicable engine model	ZD22TE/ZD30D13-4N2/ZG24/CYQD80-E4
*1Applicable engine model	ZD30D13-4N2/ZG24/CYQD80-E4
*2Applicable engine model	ZD22TE



Serial No.	Color	Function Name
1	R/B	Reverse switch(-)(*1)
	W/B	Reverse switch(+)(*2)
2	W/B	Reverse switch(+)(*1)
	R/B	Reverse switch(-)(*2)

Connector code	F6
Connector name	Reverse gear switch
Connector type	SWP-2F
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA
*1Applicable engine model	ZD28D11-4DA
*2Applicable engine model	ZD25TCI



Serial No.	Color	Function Name
1	R/B	Reverse light power output (*1)
	W/B	Reverse switch(+)(*2)
2	W/B	Reverse switch(+)(*1)
	R/B	Reverse light power output (*2)

Connector code	F7
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	X02FW
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/ZG24/CYQD80-E4
*1Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA
*2Applicable engine model	CYQD80-E4
*3Applicable engine model	ZG24
*4Applicable engine model	ZD22TE
*5Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	B/Y	Starter relay power supply (*1)
	B	Starter relay grounding (*2)
	R	Starter power supply (*3)

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Connector information

Serial No.	Color	Function Name
2	R/L	Fuel filter heater (+) (*4)
	B/Y	Starter relay power supply (*2)
	Y	Bidirectional pressure switch signal(*5)
	B	Starter relay grounding (*3)

Connector code	F8
Connector name	Starter solenoid switch
Connector type	XOIFGr
Notes	
Applicable engine model	ZD30D13-4N2



Connector code	F7
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	L02FB-MC
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	W/R	Generator (+)
2	W	Generator (+)

Serial No.	Color	Function Name
1	W	Starter(+)

Connector code	F8
Connector name	Starter solenoid switch
Connector type	61890413
Notes	
Applicable engine model	ZG24



Connector code	F8
Connector name	Starter solenoid switch
Connector type	X01FGr
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZD25TCI
*3Applicable engine model	ZD28D11-4DA

Serial No.	Color	Function Name
1	R	Starter(+)

Connector code	F8
Connector name	Starter solenoid switch
Connector type	X01FGr
Notes	
Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	R/Br	Starter(+)(*1)
	R/L	Starter(+)(*2)
	R/Y	Starter(+)(*3)

Serial No.	Color	Function Name
1	B/L	Starter(+)

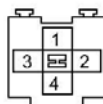
Connector information

Connector code	F9
Connector name	Starter
Connector type	
Notes	
Applicable engine model	ZD30D13-4N2/ZD22TE/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZD30D13-4N2
*3Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	W	Starter(+)(*1)
	B/R	Starter(+)(*2)
	B/Y	Starter(+)(*3)

Connector code	F10
Connector name	Preheater relay
Connector type	
Notes	
Applicable engine model	ZD22TE



Serial No.	Color	Function Name
1	W	Preheater relay (+)
2	R/W	Pre-heat relay high level
3	G/V	Pre-heat relay low level
4	W	Glow plug output

Connector code	F10
Connector name	Preheater relay
Connector type	
Notes	
Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	R/W	Pre-heat relay power supply
2	L/W	Pre-heat relay outlet

Connector code	F10
Connector name	Preheater relay
Connector type	
Notes	
Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	G/R	Preheating relay control output(+12v)
2	B/Y	Preheating relay control output(-)

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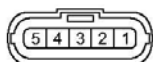
Connector information

Connector code	F11
Connector name	EGRSolenoid valve
Connector type	
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZD25TCI
*3Applicable engine model	ZD28D11-4DA
*4Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	Y	EGR Solenoid valve(+)(*1)
	R	EGR Solenoid valve(+)(*2)
	P/G	EGR Solenoid valve(+)(*3)
	B/R	EGR Solenoid valve(+)(*4)
2	R/W	EGR solenoid valve (-) (*1)
	G/V	EGR solenoid valve (-) (*2)
	P/L	EGR solenoid valve (-) (*3)
	W/B	EGR solenoid valve (-) (*4)

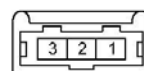
Connector code	F11
Connector name	EGRSolenoid valve
Connector type	HS05FB-1V
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	Gr/Sb	EGR solenoid valve signal
2	Lg	EGR solenoid valve grounding
3	P/B	EGR solenoid valve voltage of 5V
4	B/R	HIGH EGR SOLENOID VALVE DC VOLTAGE

Serial No.	Color	Function Name
5	W	Low EGR solenoid valve DC voltage

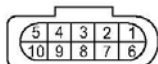
Connector code	F12
Connector name	EGR lift sensor
Connector type	
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZD25TCI
*3Applicable engine model	ZD28D11-4DA
*4Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	Y/G	EGRLift sensor(*1)
	Y/R	EGRLift sensor(*2)
	O/L	EGRLift sensor(*3)
	L	EGRLift sensor(*4)
2	Br/L	Signal grounding(*1)
	B/L	Signal grounding(*2)
	O/W	Signal grounding(*3)
	O/B	Signal grounding(*4)
3	R/G	EGR lift sensor voltage of 5V (*1)
	P/L	EGR lift sensor voltage of 5V (*2)
	O/B	EGR lift sensor voltage of 5V (*3)
	R/B	EGR lift sensor voltage of 5V (*4)

Connector information

Connector code	F13
Connector name	Fuel regulator
Connector type	
Notes	
Applicable engine model	ZD22TE/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	Gr	Sleeve position signal input(*1)
2	R	Oil inlet solenoid valve (+) (*1)
	R/G	Oil inlet solenoid valve (+) (*2)
3	O	Fuel quantity solenoid ()(*1)
	W	Fuel quantity solenoid(-)(*2)
4	V	Fuel temperature input (+)(*1)
	Y	Fuel temperature input (+)(*2)
5	W/R	Sleeve position signal input(*2)
6	L	Sliding sleeve position sensor (+)(*1)
7	B	Fuel temperature input (-)(*1)
	G	Fuel temperature input (-)(*2)
8	G	Oil volume control output(+)(*1)
	Y	Oil volume control output(+)(*2)
9	L/W	Sliding sleeve position sensor (-)(*1)
	B/R	Sliding sleeve position sensor (-)(*2)
10	L	Sliding sleeve position sensor (+)(*2)

Connector code	F14
Connector name	Timing governor
Connector type	
Notes	
Applicable engine model	ZD22TE/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	R/W	Timing solenoid valve control output(-)(*1)
	R/Y	Timing solenoid valve control output(-)(*2)
2	R/L	Timing stroke signal input(*1)
	P	Timing stroke signal input(*2)
3	Br/W	Timing stroke sensor grounding (*1)
	B/W	Timing stroke sensor grounding (*2)
4	Y/R	Timing stroke sensor 5V power supply (*1)
	L/G	Timing stroke sensor 5V power supply (*2)
5	G	Timing solenoid valve control output (+) (*1)
	Br/W	Timing solenoid valve control output (+) (*2)
6	B	Shield grounding
7	L	Oil pump speed sensor(+)(*1)
	B/Y	Oil pump speed sensor(+)(*2)
8	Gr	Oil pump speed sensor(-)(*1)
	B/L	Oil pump speed sensor(-)(*2)

Connector information

Connector code	F15
Connector name	Engine oil pressure alarm switch
Connector type	EOIFGr-RS-AR
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZG24
*1Applicable engine model	ZD22TE/ZD25TCI
*2Applicable engine model	ZG24



Serial No.	Color	Function Name
1	Y/L	Oil pressure alarm signal(*1)
	G/V	Oil pressure alarm signal(*2)

Connector code	F15
Connector name	Engine oil pressure alarm switch
Connector type	E01FGr-RS-AR
Notes	
Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	Y/L	Oil pressure alarm signal

Connector code	F15
Connector name	Engine oil pressure alarm switch
Connector type	E01FGr-RS-AR
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	Y/L	Oil pressure alarm signal

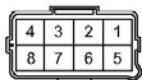
Connector code	F15
Connector name	Engine oil pressure alarm switch
Connector type	E01FGr-RS-AR
Notes	
Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	Y/L	Oil pressure alarm signal

Connector information

Connector code	F16
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	RS08FGr
Notes	
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2/ZG24/CYQD80-E4
*3Applicable engine model	ZD25TCI
*4Applicable engine model	ZD28D11-4DA
*5Applicable engine model	ZD30D13-4N2
*6Applicable engine model	ZG24
*7Applicable engine model	ZD25TCI/ZD28D11-4DA/CYQD80-E4
*8Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24
*9Applicable engine model	ZD30D13-4N2/CYQD80-E4



Serial No.	Color	Function Name
1	W/B	speed sensor power supply(*1)
	R	speed sensor power supply(*2)
2	R/B	Crankshaft speed sensor(-)(*1)
	Br/G	APS2Signal grounding(*3)
	G/Y	APS2Signal grounding(*4)
	B	Ground(*5)
	V	High speed Fan relay control(*6)
3	Y/B	Crankshaft speed sensor shield grounding (*1)
	Y/G	APS1 signal(*3)
	G/B	APS1 signal(*4)
	G/Y	Water signal in the oil(*5)
	L/Y	Low speed Fan relay control(*6)
4	W	Crankshaft speed sensor(+)(*1)
	Y/L	Crankshaft speed sensor(+)(*7)
	Y/G	Oil pressure alarm signal(*5)
	G/V	Oil pressure alarm signal(*6)
5	L	Speed signal(*1)
	W	Speed signal(*8)
	W/G	Speed signal(*9)

Serial No.	Color	Function Name
6	B	Charging indicator control(*1)
	Y/B	Charging indicator control(*8)
7	Gr	Reverse switch(-)(*1)
	R/B	Reverse switch(-)(*2)
8	R	Reverse switch(+)(*1)
	W/B	Generator, IG1 relay, backup lamp, backup radar, combination instrument power supply(*2)

Connector code	F17
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	RS08FB
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/ZG24/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZD25TCI
*3Applicable engine model	ZD28D11-4DA
*4Applicable engine model	ZG24
*5Applicable engine model	CYQD80-E4
*6Applicable engine model	ZD22TE/ZD25TCI
*7Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA



Serial No.	Color	Function Name
1	L	Fuel heater relay power supply (*1)
	Br/L	APS1 Signal grounding(*2)
	Sb	APS1 Signal grounding(*3)
	G/Br	Rear O ₂ high-level signal(*4)
2	W/R	APS1Power supply(*2)
	G/W	APS1Power supply(*3)
	L/R	Rear O ₂ low-level signal(*4)
	O	Engine speed signal(+)(*5)

Connector information

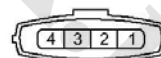
Serial No.	Color	Function Name
3	L/Y	Coolant temperature sensor signal input (*1)
	G/R	APS2 Power supply(*2)
	G/B	APS2 Power supply(*3)
	Br/B	Rear Oxygen sensor heating signal (*4)
	G/W	Coolant temperature sensor signal input (*5)
4	Br/W	Water signal in the oil(*6)
	L/G	Water signal in the oil(*3)
	Br/Y	Water signal in the oil(*5)
5	G/B	Coolant temperature sensor grounding (*1)
	Y/R	Water temperature sensor signal (*2)
	L/R	Water temperature sensor signal (*3)
	G	Water temperature sensor signal (*4)
6	B/W	Compressor electromagnetic clutch(*7)
	L/R	Compressor electromagnetic clutch(*4)
	Br	Compressor electromagnetic clutch(*5)
7	Y/L	Oil pressure alarm signal(*1)
	Gr/W	APS2 signal output (*2)
	G/L	APS2 signal output (*3)
	R/Y	Air conditioning disconnection signal (*4)
8	R/B	Filter heating switch signal (*1)
	L/G	Preheater indicator control(*2)
	O/L	Preheater indicator control(*3)

Connector code	F18
Connector name	Preheater plug fuse
Connector type	L02MB
Notes	
Applicable engine model	ZD22TE/ZD25TCI/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZD25TCI
*3Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	W	Preheater relay power supply(*1)
	R/B	Preheater relay power supply(*2)
	W/R	Preheater relay power supply(*3)
2	W	Starter(+)(*1)
	R/B	Starter(+)(*2)
	W/R	Starter(+)(*3)

Connector code	F19
Connector name	Intake pressure/temperature sensor
Connector type	
Notes	
Applicable engine model	ZD22TE/ZG24/CYQD80-E4
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZG24
*3Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	W/G	Air inlet pressure signal output(*1)
	G/B	Intake pressure signal output (2)
	G/W	Intake pressure signal output (3)

Connector information

Serial No.	Color	Function Name
2	G	5V power input(*1)
	Gr/V	5V power input(*2)
	W/R	5V power input(*3)
3	Br	Air inlet temperature signal output(1)
	B/Y	Intake temperature signal output (2)
	Y/G	Intake temperature signal output (3)
4	L/Y	Ground(*1)
	G/W	Ground(*2)
	B	Ground(*3)

Connector code	F20
Connector name	Starter relay
Connector type	HSF801020B
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/ZD30D13-4N2/CYQD80-E4
*1Applicable engine model	ZD22TE/ZD28D11-4DA
*2Applicable engine model	ZD25TCI
*3Applicable engine model	CYQD80-E4
*4Applicable engine model	ZD22TE
*5Applicable engine model	ZD28D11-4DA
*6Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	W/R	Starter relay(+)(*1)
	L	Starter relay(+)(*2)
	B/R	Starter relay(+)(*3)
	B/V	Starter relay(+)(*6)
2	R/Br	Starter(+)(*4)
	R/L	Starter(+)(*2)
	R/Y	Starter(+)(*5)
	W	Starter(+)(*6)
	B/L	Starter(+)(*3)

Connector code	F21
Connector name	Preheater plug
Connector type	L01FB
Notes	
Applicable engine model	ZD22TE/ZD28D11-4DA



Serial No.	Color	Function Name
1	W	Preheater plug (+)

Connector code	F21
Connector name	Preheater plug
Connector type	
Notes	
Applicable engine model	ZD25TCI



Serial No.	Color	Function Name
1	Y	1st cylinder glow plug(+)
2	R	2nd cylinder glow plug(+)
3	V	3rd cylinder glow plug(+)
4	Br	4th cylinder glow plug(+)

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Connector information

Connector code	F21
Connector name	Preheater plug
Connector type	L01FB
Notes	
Applicable engine model	ZD30D13-4N2



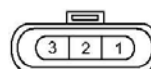
Serial No.	Color	Function Name
1	W	Preheater plug (+)

Connector code	F21
Connector name	Preheater plug
Connector type	L01FB
Notes	
Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	W/L	Preheater plug (+)

Connector code	F22
Connector name	Oil-water separator
Connector type	
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD30D13-4N2
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZD25TCI/ZD30D13-4N2
*3Applicable engine model	ZD25TCI
*4Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	R/B	Oil-water separator(+)(*1)
	R	Oil-water separator(+)(*2)
2	Br/W	Water signal in the oil(*1)
	Br/Y	Water signal in the oil(*3)
	G/Y	Water signal in the oil(*4)
3	B	Earthing

Connector code	F22
Connector name	Oil-water separator
Connector type	
Notes	
Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	Br/Y	Water signal in the oil
2	B	Earthing

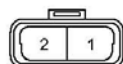
Connector information

Connector code	F23
Connector name	Fuel filter heating switch
Connector type	
Notes	
Applicable engine model	ZD22TE/ZD25TCI
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZD25TCI



Serial No.	Color	Function Name
1	R/B	Filter heating switch signal (*1)
	G	Filter heating switch signal (*2)
2	B	Earthing

Connector code	F24
Connector name	Fuel filter heater
Connector type	
Notes	
Applicable engine model	ZD22TE/ZD25TCI
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZD25TCI



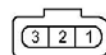
Serial No.	Color	Function Name
1	B	Earthing
2	Br	Fuel filter heater (+) (*1)
	R	Fuel filter heater (+) (*2)

Connector code	F25
Connector name	Starter relay
Connector type	
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/C YQD80-E4



Serial No.	Color	Function Name
1	B/Y	Starter relay(+)
2	B	Earthing

Connector code	F26
Connector name	Differential pressure Sensor
Connector type	
Notes	
Applicable engine model	ZD22TE



Serial No.	Color	Function Name
1	G/W	Pressure difference sensor signal
2	B/L	Differential-pressure pickup ground
3	R/Gr	Differential-pressure pickup 5V power supply

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Connector information

Connector code	F27
Connector name	Engine wiring harness grounding point
Connector type	
Notes	
Applicable engine model	ZD22TE/ZD25TCI



Serial No.	Color	Function Name
1	B	Engine harness ground

Connector code	F28
Connector name	Coolant temperature sensor
Connector type	E02FGr-RS
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZD25TCI
*3Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	G/B	Coolant temperature sensor grounding (*1)
	G/Y	Coolant temperature sensor grounding (*2)
	O	Coolant temperature sensor signal(3)
2	L/Y	Coolant temperature sensor signal(*1)
	V/B	Coolant temperature sensor signal(*2)
	O/L	Coolant temperature sensor grounding (*3)

Connector code	F28
Connector name	Coolant temperature sensor
Connector type	E02FGr-RS
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	G/O	Coolant temperature sensor signal
2	L/R	Signal grounding

Connector code	F28
Connector name	Coolant temperature sensor
Connector type	12162195
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	Y	Earthing
2	G/R	Coolant temperature sensor signal output

Connector information

Connector code	F29
Connector name	Air conditioning compressor electromagnetic clutch
Connector type	
Notes	
Applicable engine model	ZD22TE/ZD25TCI



Serial No.	Color	Function Name
1	B/W	Air conditioning compressor electromagnetic clutch(+)

Connector code	F29
Connector name	Air conditioning compressor electromagnetic clutch
Connector type	
Notes	
Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	B/W	Air conditioning compressor electromagnetic clutch(+)

Connector code	F29
Connector name	Air conditioning compressor electromagnetic clutch
Connector type	61850862
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	L/R	Air conditioning compressor electromagnetic clutch(+)

Connector code	F30
Connector name	Generator
Connector type	DJ7031-2.2-21
Notes	
Applicable engine model	ZD22TE/ZG24
*1Applicable engine model	ZG24
*2Applicable engine model	ZD22TE



Serial No.	Color	Function Name
1	R/B	Generator battery power supply(*1)
2	W/R	Generator ignition power supply(*1)
	Y/B	Charging indicator control(*2)
3	Y/B	Charge indicator control CD

Connector code	F30
Connector name	Generator
Connector type	
Notes	
Applicable engine model	ZD25TCI



Serial No.	Color	Function Name
1	Y/B	Charge indicator voltage output

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Connector information

Connector code	F30
Connector name	Generator
Connector type	
Notes	
Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	-	
2	Y/B	Charging indicator control
3		
4	W/B	Generator ignition power supply

Connector code	F31
Connector name	Connect the generator
Connector type	L01FB
Notes	
Applicable engine model	ZD22TE/ZD25TCI/ZD28D11-4DA/ZD30D13-4N2/ZG24
*1Applicable engine model	ZD22TE
*2Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2/ZG24
*3Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	R	Alternator(+)(*1)
	W/R	Alternator(+)(*2)
	W	Alternator(+)(*3)

Connector code	F32
Connector name	Connect the preheat relay
Connector type	L01FW
Notes	
Applicable engine model	ZD28D11-4DA/CYQD80-E4
*1Applicable engine model	ZD28D11-4DA
*2Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	W	Preheating relay(+)(*1)
	W/L	Preheating relay(+)(*2)

Connector code	F32
Connector name	Connect the preheat relay
Connector type	L01FW
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	W	Preheater relay (+)

Connector information

Connector code	F33
Connector name	Connect the preheat relay
Connector type	
Notes	
Applicable engine model	CYQD80-E4

Serial No.	Color	Function Name
1	W/R	Preheater relay (+)



Connector code	F34
Connector name	Connect the battery positive pole
Connector type	
Notes	
Applicable engine model	ZD30D13-4N2/CYQD80-E4
*1Applicable engine model	ZD30D13-4N2
*2Applicable engine model	CYQD80-E4



Serial No.	Color	Function Name
1	B	Power supply output(*1)
	B/R	Power supply output(*2)
	B/Y	Power supply output(*2)

Connector code	F35
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	368301-1
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24
*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD28D11-4DA
*3Applicable engine model	ZG24



Serial No.	Color	Function Name
1	Y	Pressure switch signal(*1)
	V	Main relay control(*2)
	Gr	Diagnosis communication line(*3)
2	B/W	IGPower supply(*1)
	R/G	IGPower supply(*2)
	B/L	Main relay power output(*3)
3	Y/W	Brake switch main brake signal(*1)
	P/L	Brake switch main brake signal(*2)
	B/R	Battery power supply (*3)
4	L/Y	Low speed Fan relay control(*1)
	B/W	Low speed Fan relay control(*2)
	W/R	Alternator(+)(*3)
5	L/W	SVSfault indicator control(*1)
	L/R	SVSfault indicator control(*2)
	R/L	Main relay power output(*3)
6	V	High speed Fan relay control(*1)
	B/Y	High speed Fan relay control(*2)
	G/R	Oil pump relay control(*3)
7	W/L	Speed signal(*1)
	L	Speed signal(*2)
	R/B	Alternator(+)(*3)

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Connector information

Serial No.	Color	Function Name
8	W/R	Main relay power(*1)
	R/W	Main relay power(*2)
	Y/R	IGPower supply(*3)
9	Gr	Diagnosis line - K-line(*1)
	L/W	Diagnosis line - K-line(*2)
	P	Air conditioning request signal input(*3)
10	L/W	Brake switch auxiliary brake signal CD
	P/B	Brake switch auxiliary brake signal(*2)
	W/G	Speed signal(*3)
11	G/Br	A/C relay control(*1)
	W/L	A/C relay control(*2)
	Br/Y	Engine speed signal output(*3)
12	Br/R	Clutch pedal switch signal(*1)
	V/L	Clutch pedal switch signal(*2)
	Br	Main relay control(*3)
13	W/V	MIL indicator control(*1)
	L/W	MIL indicator control(*2)
	R/W	MIL indicator control(*3)
14	R	Control power supply for combination instrument, clutch pedal, brake switch and air conditioning relay (*1)
	R/Y	Main relay power(*2)
	B	ECU Ground(*3)
15	W/G	Engine speed signal(*1)
	Gr	Engine speed signal(*2)
	Br/W	SVSfault indicator control(*3)

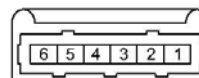
Connector code	F36
Connector name	Connect the main relay
Connector type	
Notes	
Applicable engine model	ZD25TCI



Serial No.	Color	Function Name
1	W/R	Main relay power

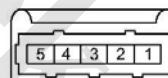
Serial No.	Color	Function Name
2	G	Main relay control
3	W/R	Main relay power
6	W/R	Main relay power
5	R/B	Main relay power output
7	R/B	Main relay power output

Connector code	F38
Connector name	Connect the preheater control unit
Connector type	
Notes	
Applicable engine model	ZD25TCI



Serial No.	Color	Function Name
1	-	-
2	-	-
3	V	3rd cylinder glow plug control
4	Br	4th cylinder glow plug control
5	Y	1st cylinder glow plug control
6	R	2nd cylinder glow plug control

Connector code	F39
Connector name	Connect the preheater control unit
Connector type	
Notes	
Applicable engine model	ZD25TCI



Serial No.	Color	Function Name
1	G/W	Pre-heat feedback signal
2	-	-

Connector information

Serial No.	Color	Function Name
3	R	Preheat control unit(+)
4	W/Gr	Pre-heat control signal
5	B	Earthing

Connector code	F40
Connector name	Connect the preheater control unit
Connector type	
Notes	
Applicable engine model	ZD25TCI



Serial No.	Color	Function Name
1	R/B	Preheating control unit(+)

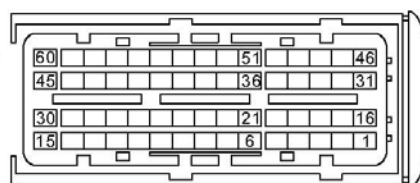
Connector code	F41
Connector name	Connect the high-pressure oil pump control valve
Connector type	BHZ02FB
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2
*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD28D11-4DA
*3Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	B/Y	High-pressure fuel pump control valve(+)(*1)
	R/Y	High-pressure fuel pump control valve(+)(*2)
	Y	High-pressure fuel pump control valve(-)(*3)

Serial No.	Color	Function Name
2	Br	High-pressure fuel pump control valve(-)(*1)
	R/G	High-pressure fuel pump control valve(-)(*2)
	R	Main relay power(*3)

Connector code	F42
Connector name	Connect ECU
Connector type	
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA
*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	R/L	III cylinder fuel injector High voltage level(*1)
	L/B	III cylinder fuel injector High voltage level(*2)
2	B/W	II cylinder fuel injector High voltage level
3	-	-
4	-	-
5	-	-
6	W/Y	Rail pressure sensor 5V power supply(*2)
7	B	Crankshaft speed sensor ground(*1)
8	Br	Rail pressure sensor (-) (*1)
	O/L	Camshaft position sensor 5V power supply(*2)
9	P/L	EGR lift sensor voltage of 5V (*1)
10	-	-
11	L	Camshaft position sensor 5V power supply(*1)
12	Gr	Crankshaft speed sensor negative signal(*1)
13	W	Speed pickup(+)(*2)
14	B	Speed pickup(-)(*2)
15	-	-

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Connector information

Serial No.	Color	Function Name
16	L	I cylinder fuel injector High voltage level(*1)
	R/B	I cylinder fuel injector High voltage level(*2)
17	R	IV cylinder fuel injector High voltage level(*1)
	W/B	IV cylinder fuel injector High voltage level(*2)
18	-	-
19	B/Y	High-pressure fuel pump control valve(+)(*1)
20	B	Camshaft position sensor grounding (*1)
	W/L	A/C relay control(*2)
21	-	-
22	-	-
23	-	-
24	-	-
25	-	-
26	-	-
27	L	Crankshaft speed sensor positive signal(*1)
28	Y/R	Rail pressure sensor(+)(*1)
29	R/L	EGRVacuum Modulator solenoid valve control(*2)
30	-	-
31	B/L	II cylinder fuel injector Low voltage level(*1)
	G/W	II cylinder fuel injector Low voltage level(*2)
32	-	-
33	W/B	IV cylinder fuel injector Low voltage level(*1)
	W/V	IV cylinder fuel injector Low voltage level(*2)
34	-	-
35	O/W	Camshaft position sensor grounding (*2)
36	-	-
37	Y/L	Air flow meter(+)(*1)
	O	Coolant temperature sensor signal(*2)
38	-	-
39	-	-
40	Br/W	Rail pressure sensor ground(*2)
41	G/Y	Coolant temperature sensor(-)(*1)
42	Lg	Air flow meter temperature signal(*1)
43	V/L	Rail pressure sensor signal(1)
44	L/B	Air flow meter(-)(*1)
45	-	-
46	R/Y	III cylinder fuel injector Low voltage level(*1)

	G/R	III cylinder fuel injector Low voltage level(*2)
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Serial No.	Color	Function Name
47	L/R	I cylinder fuel injector Low voltage level(*1)
	R/W	I cylinder fuel injector Low voltage level(*2)
48	-	-
49	Br	High-pressure fuel pump control valve(-)(*1)
50	Gr	Camshaft position sensor(*1)
	O/L	Coolant temperature sensor grounding (*2)
51	B/L	Signal ground(*1)
52	W/V	Rail pressure sensor signal(2)
53	W	Air flow meter pressure signal(*1)
54	-	-
55	-	-
56	Gr	Speed pickup shielded wire(*2)
57	Y/R	EGRLift sensor(*1)
	O/B	Camshaft position sensor(*2)
58	V/B	Coolant temperature sensor signal(*1)
59	Br/L	Throttle valve actuator control(*1)
60	G/V	EGRVacuum Modulator solenoid valve control(*1)
	R/Y	High-pressure fuel pump control valve(-)(*2)

Connector code	F43
Connector name	Connect I cylinder oil injector
Connector type	BHZ02FB
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2
*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD28D11-4DA
*3Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	L	I cylinder fuel injector(+)(*1)
	R/W	I cylinder fuel injector(-)(*2)
	B/R	I cylinder fuel injector(+)(*3)

Connector information

Serial No.	Color	Function Name
2	L/R	I cylinder fuel injector(-)(*1)
	R/B	I cylinder fuel injector(+)(*2)
	W/R	I cylinder fuel injector(-)(*3)

Connector code	F43
Connector name	Connect I cylinder oil injector
Connector type	15305086
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	Br/L	1st cylinder injector(-)
2	B/L	12V power input

Connector code	F44
Connector name	Connect II cylinder fuel injector
Connector type	BHZ02FB
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2
*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD28D11-4DA
*3Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	B/W	II cylinder fuel injector(+)(*1)
	G/W	II cylinder fuel injector(-)(*2)
	R	II cylinder fuel injector(+)(*3)

Serial No.	Color	Function Name
2	B/L	II cylinder fuel injector(-)(*1)
	B/W	II cylinder fuel injector(+)(*2)
	B	2nd cylinder injector

Connector code	F44
Connector name	Connect II cylinder fuel injector
Connector type	15305086
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	Y/L	2nd cylinder injector(-)
2	B/L	12V power input

Connector code	F45
Connector name	Connect III cylinder fuel injector
Connector type	BHZ02FB
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2
*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD28D11-4DA
*3Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	R/L	III cylinder fuel injector(+)(*1)
	G/R	III cylinder fuel injector(-)(*2)
	G/W	III cylinder fuel injector(+)(*3)

Connector information

Serial No.	Color	Function Name
2	R/Y	III cylinder fuel injector(-)(*1)
	L/B	III cylinder fuel injector(+)(*2)
	W	III cylinder fuel injector(-)(*3)

Serial No.	Color	Function Name
2	W/B	IV cylinder fuel injector(-)(*1)
	W/B	IV cylinder fuel injector(+)(*2)
	L	IV cylinder fuel injector(-)(*3)

Connector code	F45
Connector name	Connect III cylinder fuel injector
Connector type	15305086
Notes	
Applicable engine model	ZG24

Connector code	F46
Connector name	Connect IV cylinder fuel injector
Connector type	15305086
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	V/R	3rd cylinder injector(-)
2	B/L	12V power input

Serial No.	Color	Function Name
1	Gr/L	4th cylinder injector(-)
2	B/L	12V power input

Connector code	F46
Connector name	Connect IV cylinder fuel injector
Connector type	BHZ02FB
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2
*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD28D11-4DA
*3Applicable engine model	ZD30D13-4N2

Connector code	F47
Connector name	Connect the rail pressure sensor
Connector type	BHZ03FB
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2
*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD28D11-4DA
*3Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	R	IV cylinder fuel injector(+)(*1)
	W/G	IV cylinder fuel injector(-)(*2)
	B/W	IV cylinder fuel injector(+)(*3)

Serial No.	Color	Function Name
1	Y/R	Rail pressure sensor(+)(*1)
	W/Y	Rail pressure sensor(+)(*2)
	R	Rail pressure sensor(+)(*3)

Connector information

Serial No.	Color	Function Name
2	V/L	Rail pressure signal output (*1)
	W/V	Rail pressure signal output (*2)
	W	Rail pressure signal output (*3)
3	Br	Rail pressure sensor (-) (*1)
	Br/W	Rail pressure sensor (-) (*2)
	B	Rail pressure sensor (-) (*3)

Connector code	F48
Connector name	Connect the throttle actuator
Connector type	
Notes	
Applicable engine model	ZD25TCI



Serial No.	Color	Function Name
1	Br/L	Throttle valve actuator(-)
2	R	Throttle valve actuator(+)

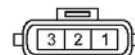
Connector code	F49
Connector name	Connect the air flow meter
Connector type	
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA
*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	B/W	Air flow meter(+)(*1)
	W/B	Air flow meter(+)(*2)

Serial No.	Color	Function Name
2	L/B	Air flow meter(-)(*1)
	Y/W	Air flow meter(-)(*2)
3	W/Y	Air inlet pressure signal(*1)
4	Y/L	Air flow signal(*1)
	Y	Air flow signal(*2)
5	G	Intake temperature signal(*1)
	Y/L	Intake temperature signal(*2)

Connector code	F49
Connector name	Air flow meter
Connector type	RH06FB
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	Sb/B	Air flow meter signal grounding
2	W/G	Air flow meter intake temperature signal
3	B	Air flow meter signal grounding
4	W	Air flow meter inlet pressure signal
5	R	Main relay power
6	-	-

GI

MA

EM

LC

EC

FE

CL

MT

AT

TF

PD

FA

RA

BR

ST

RS

BT

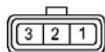
HA

EL

PG

Connector information

Connector code	F50
Connector name	Connect the camshaft position sensor
Connector type	FEA03FB
Notes	
Applicable engine model	ZD25TCI



Serial No.	Color	Function Name
1	L	Camshaft position sensor 5V power supply
2	Gr	Camshaft position sensor
3	B	Camshaft position sensor grounding

Connector code	F50
Connector name	Connect the camshaft position sensor
Connector type	FEA03FB
Notes	
Applicable engine model	ZD30D13-4N2



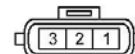
Serial No.	Color	Function Name
1	Sb	Camshaft position sensor grounding
2	G	Camshaft position sensor
3	R	Camshaft position sensor 5V power supply

Connector code	F50
Connector name	Connect the camshaft position sensor
Connector type	FEA03FB
Notes	
Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	O/L	Camshaft position sensor 5V power supply
2	O/B	Camshaft position sensor
3	O/W	Camshaft position sensor grounding

Connector code	F50
Connector name	Connect the camshaft position sensor
Connector type	12059595
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	L/W	Camshaft position sensor 5V power supply
2	Y	Camshaft position sensor grounding
3	G/Gr	Camshaft position sensor signal

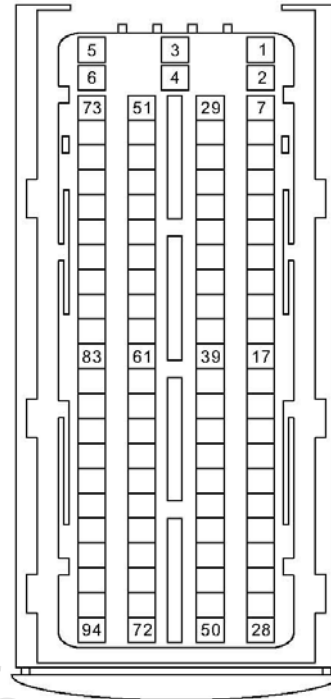
Connector information

Connector code	F51
Connector name	Connect the fuel-water separator heater relay
Connector type	
Notes	
Applicable engine model	ZD25TCI



Serial No.	Color	Function Name
1	R	Fuel filter heater(+)
2	G	Fuel filter heating switch signal
3	B/W	Ignition power supply
4	Br	Fuel filter heater fuse

Connector code	F52
Connector name	Connect ECU
Connector type	
Notes	
Applicable engine model	ZD25TCI/ZD28D11-4DA
*1Applicable engine model	ZD25TCI
*2Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	R/L	Main relay power(*1)
	R/W	Main relay power(*2)
2	B	Earthing
3	R/Y	Main relay power
4	B	Earthing
5	R/Y	Main relay power
6	B	Earthing
7	-	-
8	Br/G	APS2(-)(*1)
9	Y/G	APS1 signal(*1)
10	-	-

Connector information

Serial No.	Color	Function Name
11	-	-
12	Y	Air flow meter temperature signal(*2)
13	-	-
14	-	-
15	-	-
16	-	-
17	Y/W	Brake switch main brake signal(*1)
18	-	-
19	L	Vehicle speed pickup input signal(2)
20	Y/L	Air flow meter signal(*2)
21	B/Y	Ignition switch T50 enabling(*2)
22	G/B	APS2 5V power supply(*2)
23	O/B	EGR position sensor 5V voltage(*2)
24	-	-
25	Gr	ECU diagnose wires(*1)
26	Y/R	Water temperature output(*1)
27	-	-
28	B/W	IGPower supply(*1)
	G/W	APS1 5V power supply(*2)
29	-	-
30	Br/L	APS1 (-)(*1)
31	Gr/W	APS2 signal(*1)
	O/L	EGR position sensor signal(*2)
32	-	-
33	-	-
34	-	-
35	-	-
36	-	-
37	-	-
38	P/L	Brake switch main brake signal(*2)
39	O/W	EGR position sensor ground(*2)
40	Br/Y	Oil-water separator control(*1)
41	-	-
42	G/B	-(*)1
43	Gr	Engine speed output signal(*2)
44	L/W	K-Line communication(*2)
45	W/R	APS1 sensor(+)(*1)
46	G/R	APS2 sensor(+)(*1)
	R/G	IGPower supply(*2)

Serial No.	Color	Function Name
47	V	Main relay control(*2)
48	W/G	Engine speed signal(*1)
	B	Vehicle speed sensor ground(*2)
49	-	-
50	-	-
51	-	-
52	G/W	Preheater control (*1)
53	-	-
54	-	-
55	V/L	Clutch pedal switch signal(*2)
56	-	-
57	Y	Bidirectional pressure switch signal(*2)
58	Br/R	Clutch pedal switch signal(*1)
	G/Y	APS2Ground(*2)
59	-	-
60	G/L	APS2 signal(*2)
61	-	-
62	-	-
63	Y/W	Air flow meter grounding(*2)
64	-	-
65	-	-
66	R	CAN-H(*2)
67	Sb	APS1 ground(*2)
68	G/Br	A/C relay control(*1)
	L/R	Coolant temperature indication output signal(*2)
69	V	High speed fan control(*1)
70	W/V	MILfault indicator control(*1)
	L/R	SVSfault indicator control(*2)
71	L/W	MILfault indicator control(*2)
72	Lg	Main relay control(*1)
73	-	-
74	-	-
75	W/L	Speed signal(*1)
76	-	-
77	L/G	Moisture sensor signal(*2)
78	P/B	Brake switch auxiliary brake signal(*2)
79	Y	Bi-direction pressure switch signal(1)
80	L/W	Brake switch auxiliary brake signal(*1)
81	G/B	APS1 signal(*2)

Connector information

Serial No.	Color	Function Name
82	-	-
83	-	-
84	-	-
85	-	-
86	-	-
87	G	CAN-L(*2)
88	-	-
89	-	-
90	L/Y	Low speed fan control(*1)
	L/W	Preheating relay control(*2)
91	L/W	SVSfault indicator control(*1)
	O/L	Preheater indicator control(*2)
92	L/G	Preheater indicator control(*1)
	B/W	Low speed fan control(*2)
93	W/Gr	Preheater control (*1)
	B/Y	High speed fan control(*2)
94	Gr/Y	-(*1)

Connector code	F53
Connector name	Wiring harness connector (connected to the engine compartment wiring harness)
Connector type	RS04FGr
Notes	
Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	R	CAN-H
2	G	CAN-L
3	-	-
4	-	-

Connector code	F54
Connector name	ECU bracket grounding
Connector type	
Notes	
Applicable engine model	ZD28D11-4DA
Connector code	F54
Connector name	ECU bracket grounding
Connector type	
Notes	
Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	B	Earthing

Connector code	F55
Connector name	ECU body grounding
Connector type	
Notes	
Applicable engine model	ZD28D11-4DA



Serial No.	Color	Function Name
1	B	Earthing

Connector code	F56
Connector name	Coolant temperature sensor (instrument)
Connector type	E02FGr-RS
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	Y/R	Coolant temperature sensor signal output

GI
MA
EM
LC
EC
FE
CL
MT
AT
TF
PD
FA
RA
BR
ST
RS
BT
HA
EL
PG

Connector information

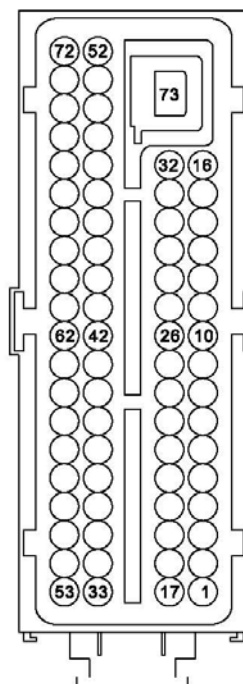
Serial No.	Color	Function Name
2	B	Earthing

Connector code	F56
Connector name	Coolant temperature sensor (instrument)
Connector type	6189-0445
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	G	Coolant temperature sensor signal output

Connector code	F57
Connector name	Connect ECU
Connector type	15452126
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	Y/R	Ignition switch power supply
2	-	-
3	W/G	Speed signal
4	Gr/V	Air inlet temperature/pressure sensor 5V power supply output
5	Y	signal grounding
6	L/R	Front O ₂ low level signal, rear O ₂ low level signal
7	-	-
8	R/Y	Air conditioning request signal input
9	-	-
10	G/Gr	Camshaft position sensor signal
11	Gr	Diagnosis communication line
12	L	Crankshaft speed pickup signal
13	-	-

Connector information

Serial No.	Color	Function Name
14	-	-
15	-	-
16	-	-
17	B/R	Battery power supply input
18	B/R	Battery power supply input
19	-	-
20	L/W	Camshaft position sensor 5V output, throttle gate position sensor 5V output
21	G/W	Intake temperature/pressure sensor signal grounding
22	-	-
23	-	-
24	R/Y	Throttle position signal input
25	-	-
26	-	-
27	B/Y	Intake temperature signal input
28	Gr	Crankshaft speed sensor negative signal
29	Br/W	SVS fault indicator control
30	-	-
31	R/W	MIL fault indicator control
32	Gr	1st and 4th cylinder ignition control
33	B	High voltage output on the idle speed control valve B
34	G	Low voltage output on the idle speed control valve B
35	-	-
36	-	-
37	-	-
38	G/Br	Rear O ₂ high-level signal
39	-	-
40	-	-
41	-	-
42	G/B	Intake pressure signal input
43	G/R	Coolant temperature sensor signal input
44	-	-
45	Br/Y	Engine speed signal output
46	P	A/C relay control
47	G/R	Oil pump relay control
48	-	-
49	-	-
50	V	High speed fan control
51	-	-

Serial No.	Color	Function Name
52	L	II cylinder and III cylinder ignition control
53	Br/R	Low voltage output on the idle speed control valve A
54	Gr/R	High voltage output on the idle speed control valve A
55	Br/L	I cylinder fuel injector control
56	V/R	III cylinder fuel injector control
57	-	-
58	Br	Main relay control
59	-	-
60	-	-
61	Br/R	Front oxygen sensor heating control
62	L	Front O ₂ high-level signal
63	G/Y	Canister solenoid valve control
64	Br/B	Rear oxygen sensor heating control
65	-	-
66	-	-
67	L/Y	Low speed fan control
68	-	-
69	L	Knock sensor signal input
70	Y/L	II cylinder fuel injector control
71	Gr	IV cylinder fuel injector control
72	-	-
73	B	ECU grounding

Connector code	F58
Connector name	Front oxygen sensor
Connector type	12162144
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	R/L	12V power input
2	Br/R	Heating control
3	L	Front O ₂ high-level signal
4	L/R	Front O ₂ low level signal

Connector information

Connector code	F59
Connector name	Canister solenoid valve
Connector type	12052643
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	R/L	12V power input
2	G/Y	Solenoid valve control

Connector code	F60
Connector name	Knock sensor
Connector type	936059-1
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	B	Earthing
2	L	Knock signal output

Connector code	F61
Connector name	Idle speed control valve
Connector type	12162190
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	G	Low voltage level on the idle speed control valve B
2	B	High voltage level on the idle speed control valve B
3	Br/R	Low voltage level on the idle speed control valve A
4	Gr/R	High voltage level on the idle speed control valve A

Connector code	F62
Connector name	Throttle valve position sensor
Connector type	12110192
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	L/W	5V power input
2	Y	Earthing
3	R/Y	Throttle gate position signal output

Connector information

Connector code	F63
Connector name	Ignition Coil
Connector type	12162280
Notes	
Applicable engine model	ZG24



Serial No.	Color	Function Name
1	Gr	I cylinder and IV cylinder ignition control
2	Y/R	12V power input
3	L	II cylinder and III cylinder ignition control

Instrument wiring harness connector (I-)

Connector code	I1
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	A24FW
Notes	
*1Applicable engine model	ZD25TCI/ZD22TE/CYQD80-E4/ZD28D11-4DA/ZG24
*2Applicable engine model	ZD30D13-4N2
*3Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2(2WD)/CYQD80D11-E4/ZG24
*4Applicable engine model	ZD25TCI/ZD22TE/CYQD80-E4/ZD28D11-4DA
*5Applicable engine model	ZG24
*6Applicable engine model	ZD25TCI//ZG24(4WD)
*7Applicable engine model	ZD28D11-4DA
*8Applicable engine model	ZD25TCI/ZD22TE/CYQD80-E4/ZD30D13-4N2/ZD28D11-4DA
*9Applicable engine model	ZD22TE/ZD30D13-4N2(4WD)
*10Applicable engine model	ZD25TCI/ZD22TE/CYQD80-E4/ZD28D11-4DA/ZG24(4WD)
*11Applicable engine model	ZD25TCI(4WD)



10	9	8	7	6					5	4	3	2	1	
24	23	22	21	20	19	18		17	16	15	14	13	12	11

Serial No.	Color	Function Name
1	W/B	Ignition power supply
2	P/L	Instrument lighting power supply
3	Y/L	Oil pressure alarm signal
4	R	Speed sensor power supply
5	W	Speed signal
6	Y/G	Fuel level signal
7	Br/Y	Parking brake / brake fault signal
8	Y/B	Charging indicator(*1)
	B/W	Charging indicator(*2)
9	L/R	ABS fault alarm signal (*3)
		Ground(*9)
10	G/R	Accessory power supply(*1)
	Gr	Accessory power supply(*2)
11	R/G	Combination instrument power supply
12	Y/R	Water temperature signal

Connector information

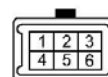
13	G/R	Preheater indicator control(*4)
	L/W	Preheater indicator control(*2)
	W/B	Seat belt no-use alarm signal(*5)
14	G/B	Backview mirror motor power supply/grounding control
15	Gr/R	Right turn signal light opening signal
16	Gr/L	Left turn signal light opening signal
17	G/O	Up and down motor control, right backview mirror
18	B/W	Speed signal(*1)
	Br/W	Speed signal(*2)
19	W/R	Engine speed signal
20	B	Earthing
21	R/L	High beam light opening signal
22	Gr	Fog light opening signal (*6)
	W/V	SVSfault indicator control(*2)
	G	Door not-closed reminding signal(*7)
23	B	Ground(*10)
		Splitter relay control (*11)
	Gr/R	OBDfault indicator control(*2)
24	Br/W	Oil-water separator fault signal (*8)
	W	MIL indicator control(*5)

Connector code	I2
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	3ML-3BL
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA
*2Applicable engine model	ZG24
*3Applicable engine model	ZD28D11-4DA



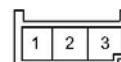
Serial No.	Color	Function Name
1	L/W	SVSfault indicator control(*1)
	R/B	Door not-closed reminding signal(*2)
2	Y/V	MIL indicator control(*1)
3	W/B	Seat belt no-use alarm signal(*3)

Connector code	I2
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	3ML-6AL
Notes	
Matching engine: ZD25TCI	



Serial No.	Color	Function Name
1	W/B	Seat belt no-use alarm signal
2	Y/V	MIL fault indicator control
3	L/W	SVS fault indicator control
4	R/B	Door not-closed reminding signal
5	-	-
6	-	-

Connector code	I2
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	
Notes	
Applicable engine model: ZD22TE/CYQD80-E4	



Serial No.	Color	Function Name
1	R/B	Door not-closed reminding signal
2	W/B	Seat belt no-use alarm signal
3	L	MIL indicator control

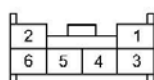
Connector information

Connector code	I3
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	3ML-6BL
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA
*2Applicable engine model	ZG24



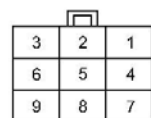
Serial No.	Color	Function Name
1	L/O	Left and right motor control, right backview mirror
2	O	Battery power supply
3	O/L	Rear fog light opening indicator (+)
4	G/W	Left and right motor control, left backview mirror
5	R	Combination instrument power supply(*1)
	Y	SVS fault indicator control(*2)
6	G/Y	Up and down motor control, left backview mirror

Connector code	I3
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS06FW
Notes	
Applicable engine model	ZD22TE/CYQD80-E4



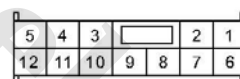
Serial No.	Color	Function Name
1	L/O	Left and right motor control, right backview mirror
2	O	Battery power supply
3	O/L	Rear fog light opening indicator (+)
4	G/W	Left and right motor control, left backview mirror
5	G	SVS fault indicator control
6	G/Y	Up and down motor control, left backview mirror

Connector code	I3
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	3ML-9BL
Notes	
Applicable engine model	ZD30D13-4N2



Serial No.	Color	Function Name
1	G/Y	Up and down motor control, left backview mirror
2	G/W	Left and right motor control, left backview mirror
3	L/O	Left and right motor control, right backview mirror
4	L	4WD opening signal
5	W/B	Seat belt no-use alarm signal
6	O/L	Rear fog light opening indicator (+)
7	R/B	Door not-closed reminding signal
8	O	Battery power supply
9	R/B	Combination instrument power supply

Connector code	I4
Connector name	Connect the electric backview mirror switch
Connector type	NS12FGGr-LC



Serial No.	Color	Function Name
1	-	-
2	G/R	Accessory power supply
3	-	-
4	B	Earthing
5	G/B	Motor power supply/ground control
6	-	-
7	G/W	Left and right motor control, left backview mirror
8	-	-

Connector information

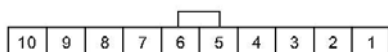
Serial No.	Color	Function Name
9	-	-
10	G/O	Up and down motor control, right backview mirror
11	G/Y	Up and down motor control, left backview mirror
12	L/O	Left and right motor control, right backview mirror

Connector code	I5
Connector name	Connect the rear fog light switch
Connector type	DJ7022-6.3-20



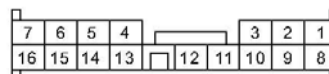
Serial No.	Color	Function Name
1	O/L	Rear fog lamp(+)
2	O	Battery power supply

Connector code	I6
Connector name	Connect the combination instrument
Connector type	NF10FW



Serial No.	Color	Function Name
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	Y/R	Water temperature signal input
7	Y/G	Fuel level signal input
8	B	Earthing
9	W/R	Engine speed signal input
10	W	Speed signal

Connector code	I7
Connector name	Connect the combination instrument
Connector type	NF16FW
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA
*2Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD22TE/CYQD80-E4/ZG24
*3Applicable engine model	ZD30D13-4N2
*4Applicable engine model	ZD25TCI/ZD30D13-4N2/ZG24
*5Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD22TE/CYQD80-E4/ZD30D13-4N2
*6Applicable engine model	ZG24
*7Applicable engine model	ZD22TE/CYQD80-E4
*8Applicable engine model	ZD22TE/ZD30D13-4N2(4WD)
*9Applicable engine model	ZD25TCI(4WD)



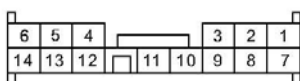
Serial No.	Color	Function Name
1	G	Door not-closed reminding signal(*1)
2	-	-
3	-	-
4	B	Ground(*2)
	L	4WD opening signal(*3)
5	Gr/L	Turn signal ON signal input LH
6	R/B	Door not-closed alarm signal input (*4)
7	B	Earthing
8	Br/Y	Park brake/brake failure signal input
9	W/B	Seat belt no-use alarm signal
10	Br/W	Oil-water separation failure signal input(*5)
	Y	SVS fault indicator (*6)
11	Y/V	MIL indicator control(*1)
	L	MIL indicator control(*7)
	W/V	SVS fault indicator (*3)
	W	MIL failure indicator(*6)
12	L/R	ABS failure warning signal
		Ground(*8)
13	B	Earthing

Connector information

Serial No.	Color	Function Name
14	R/L	High beam lamp ON signal input
15	L/W	SVS fault indicator (*1)
	G	SVS fault indicator (*7)
	Gr/R	OBD failure indicator(*3)
16	R	Combination instrument power supply(*1)
	W/B	Combination instrument power supply(*7)
	R/B	Main relay power(*3)

Serial No.	Color	Function Name
11	Gr	Fog light opening signal input (*4)
	R/B	Door not-closed alarm signal input (*5)
12	Gr	Fog light opening signal input (*6)
13	B	Earthing
14	B/W	Speed signal output (*1)
	Br/W	Speed signal output (*2)

Connector code	I8
Connector name	Connect the combination instrument
Connector type	NF14FW
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD22TE/CYQD80-E4/ZG24
*2Applicable engine model	ZD30D13-4N2
*3Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD22TE/CYQD80-E4/ZG24
*4Applicable engine model	ZD25TCI/ZD28D11-4DA/ZG24
*5Applicable engine model	ZD22TE/CYQD80-E4
*6Applicable engine model	ZG24



Serial No.	Color	Function Name
1	Y/B	Charging indicator(*1)
	B/W	Charging indicator(*2)
2	B	Earthing
3	P/L	Instrument lighting power supply
4	R/G	Combination instrument power supply
5	Gr/R	Turn signal ON signal input RH
6	R	Vehicle speed sensor power supply output
7	Y/L	Engine oil pressure warning signal input
8	G/R	Preheater indicator (*3)
	L/W	Preheater indicator (*2)
9	W/B	Ignition power supply
10	O/L	Fog lamp ON signal input

GI
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Connector information

Chassis wiring harness connector (C-)

Connector code	C1
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS16FW-LC
Notes	
*1Applicable engine model	ZD25TCI(4WD)/ZD28D11-4DA(4WD)/CYQD80-E4(4WD)/ZG24(4WD)
*2Applicable engine model	ZD25TCI (2WD, with ABS) / ZD30D13- 4N2 (2WD)
*3Applicable engine model	ZG24
*4Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2/CYQD80-E4(4WD)
*5Applicable engine model	ZD22TE/CYQD80-E4(2WD)
*6Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2/CYQD80-E4(4WD)/ZG24
*7Applicable engine model	ZD25TCI(4WD)/ZD28D11-4DA(4WD)/CYQD80-E4(4WD)
*8Applicable engine model	ZD22TE(4WD)
*9Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2(2WD)/CYQD80-E4(4WD)/ZG24
*10Applicable engine model	ZD30D13-4N2(4WD)
*11Applicable engine model	ZD25TCI/ZD28D11-4DA/ZD30D13-4N2(2WD)/CYQD80-E4(4WD)
*12Applicable engine model	ZD22TE(2WD)/CYQD80-E4(2WD)



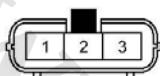
7	6	5			4	3	2	1
16	15	14	13	12	11	10	9	8

Serial No.	Color	Function Name
1	L	4WD conversion switch (*1)
	P	Right rear wheel speed sensor power supply(*2)
2	Lg	Right sensor (+)(*3)
	Sb	Right sensor (+)(*4)
	B	T4 and T5Ground(*5)
3	O/L	Rear fog lamp(+)(*6)
	R/B	Reverse lights(+)(*5)
4	P/L	Position light(+),License plate light(+)(*6)
	Gr/R	右 Turn signal light(+)(*5)
5	Gr/R	Turn signal lamps RH(+)(6)
	P/L	Position light(+),License plate light(+)(*5)
6	R/B	Reverse lights(+)(*6)
	O/L	Rear fog lamp(+)(*5)

Serial No.	Color	Function Name
7	B	T4 and T5Ground(*6)
	Lg	Right sensor (+)(*5)
8	R	Splitter solenoid coil (+) (*7)
	L	4WD conversion switch (*8)
		Right rear wheel speed sensor signal(*2)
9	L	Left sensor (+)(*9)
	R/L	Left sensor (+)(*10)
10	Y/G	Fuel level signal(*6)
	G/Y	Brake light(+)(*5)
11	L	Left rear wheel speed sensor signal(*2)
	Gr/L	Turn signal LH(+)(5)
12	B	A2,A3,T2,T3,T4,T5 Ground(*11)
		A2,A3,C4,C5,T2,T3,T4,T5 ground(*3)
		A2,A3,C5,T2,T3,T4,T5 ground(*10)(*10)
		C4Ground(*5)
13	B	C4Ground(*6)
		A2,A3,C5,T2,T3,T4,T5Ground(*8)
		T2,T3,T4,T5 Ground(*12)
14	Gr/L	Left turn signal light(+)(*6)
	L	Left sensor (+)(*5)
15	G/Y	Brake light(+)(*6)
	Y/G	Fuel level signal(*5)
16	B	A2 and A3 ground (*5)
		C5Ground(*7)
	P	Left rear wheel speed sensor power supply(*2)
	W	Fuel pump(+)(*3)

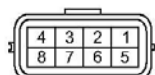
Connector information

Connector code	C2
Connector name	Wiring harness connector (connected to the auxiliary wiring harness)
Connector type	RS03MGr
Notes	
*1Applicable engine model	ZD25TCI/ZD28D11-4DA/CYQD80-E4(4WD)/ZD30D13-4N2
*2Applicable engine model	CYQD80-E4(2WD)/ZD22TE/ZG24
*3Applicable engine model	ZD25TCI/ZD28D11-4DA/CYQD80-E4/ZD30D13-4N2(2WD)/D22TE/ZG24
*4Applicable engine model	ZD30D13-4N2(4WD)



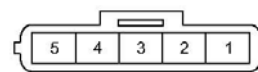
Serial No.	Color	Function Name
1	Sb	Right sensor signal(*1)
	Lg	Right sensor signal(*2)
2	B	A2,A3 Ground
3	L	Left sensor signal(*3)
	R/L	Left sensor signal(*4)

Connector code	C3
Connector name	Wiring harness connector (connected to the taillight wiring harness)
Connector type	RS08FGr



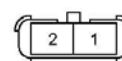
Serial No.	Color	Function Name
1	O/L	Rear fog lamp(+)
2	P/L	Position light (+), license plate light (+)
3	B	T4,T5 Ground
4	R/B	Reverse lights(+)
5	G/Y	Brake light(+)
6	Gr/R	Right turn signal light (+)
7	Gr/L	LeftTurn signal light(+)
8	B	T2, T3, T4 and T5 grounding

Connector code	C4
Connector name	To fuel float
Connector type	E05FGr



Serial No.	Color	Function Name
1	-	-
2	B	Fuel pump(-)
3	Y/G	Fuel level signal
4	W	Fuel pump (+)
5	B	Fuel level sensor ground

Connector code	C5
Connector name	4WD switch
Connector type	SWA02FB



Serial No.	Color	Function Name
1	L	4WD switch signal
2	B	Earthing

Connector code	C6
Connector name	Transfer box solenoid
Connector type	



Serial No.	Color	Function Name
1	R	Solenoid(+)

GI

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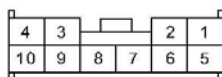
Connector information

Connector code	C7
Connector name	Rear wheel speed sensor
Connector type	RS04FGGr



Serial No.	Color	Function Name
1	P	Left rear wheel speed sensor power supply
2	L	Left rear wheel speed sensor signal
3	L	Right rear wheel speed sensor signal
4	P	Right rear wheel speed sensor power supply

Connector code	C8
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS10FW
Notes	
Applicable engine model: ZD30D13-4N2(4WD)	



Serial No.	Color	Function Name
1	-	-
2	-	-
3	R	Splitter solenoid valve(+)
4	B	Earthing
5	-	-
6	-	-
7	-	-
8	L	4WD switch signal
9	-	-
10	-	-

Connector code	C8
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	A06FW
Notes	
Applicable engine model: ZG24(With ABS)	



Serial No.	Color	Function Name
1	L	Right rear wheel speed sensor signal
2	P	Right rear wheel speed sensor power supply
3	-	-
4	-	-
5	P	Left rear wheel speed sensor power supply
6	L	Left rear wheel speed sensor signal

Connector information

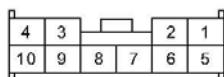
Left front door wiring harness connector (FL--)

Connector code	FL1
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	A12FW



Serial No.	Color	Function Name
1	B	FL3 and FL5 ground
2	B/W	Speaker(+)
3	B/Y	Speaker(-)
4	G/Y	Left front backview mirror up and down motor
5	G/W	Left front rearview mirror left and right motor
6	G/B	Left front rear-view mirror motor(+)
7	B/W	Left front door lock opening and closing signals
8	-	-
9	-	-

Connector code	FL2
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS12FW



Serial No.	Color	Function Name
1	R/B	Left rear door window motor lift window
2	W/B	Right rear door window motor lift window
3	B/R	Central lock opening
4	W	Door window switch power supply
5	L/O	Left front door lock motor closing
6	G/W	Left rear door window motor drop window
7	B/W	Right rear door window motor drop window
8	L/W	Right front door window motor lift
9	L/Y	Right front door window motor drop
10	-	-

Serial No.	Color	Function Name
11	B/Y	Central lock closing
12	B	FL3 and FL5 ground
13	L/G	Left front door lock motor opening

Connector code	FL3
Connector name	Connect the front left door window switch
Connector type	NS16FW



Serial No.	Color	Function Name
1	B	Earthing
2	L/Y	Right front door window motor drop
3	L/W	Right front door window motor lift
4	-	-
5	-	-
6	L/R	Door's window glass ascending by the motor FL
7	L/B	Door's window glass descending by the motor FL
8	B/Y	Central lock closing
9	B/R	Central lock opening
10	W/B	Right rear door window motor lift window
11	B/W	Right rear door window motor drop window
12	W	Door window switch power supply
13	-	-
14	G/W	Left rear door window motor drop window
15	R/B	Left rear door window motor lift window
16	-	-

Connector information

Connector code	FL4
Connector name	Connect left front window motor
Connector type	T02FB



Serial No.	Color	Function Name
1	L/R	Lift window
2	L/B	Drop window

Connector code	FL5
Connector name	Connect the left front door lock motor
Connector type	RS04FGr



Serial No.	Color	Function Name
1	B/W	Door lock LOCK/UNLOCK signals FL
2	L/O	Drop lock
3	B	Earthing
4	L/G	Unlock

Connector code	FL6
Connector name	Connect the left front rear-view mirror motor
Connector type	RV05FGr



Serial No.	Color	Function Name
1	-	-
2	-	-
3	G/Y	Left front backview mirror up and down motor

Serial No.	Color	Function Name
4	G/B	Left front rear-view mirror motor(+)
5	G/W	Left front rearview mirror left and right motor

Connector code	FL7
Connector name	Connect the left front door speaker
Connector type	C02FB



Serial No.	Color	Function Name
1	B/Y	Speaker(-)
2	B/W	Speaker(+)

Connector information

Right front door wiring harness connector (FR-)

Connector code	FR1
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS12FW



6	5	4		3	2	1
13	12	11	10	9	8	7

Serial No.	Color	Function Name
1	L/G	Right front door lock opening
2	W	Right front door window power switch
3	Br/W	Speaker(+)
4	G/B	Right front backview mirror motor (+)
5	L/O	Right front door lock closing
6	-	-
7	L/O	Right front backview mirror left and right motor
8	L/W	Left front door window control opening
9	L/Y	Left front door window control closing
10	-	-
11	Br	Speaker(-)
12	G/O	Right front backview mirror up and down motor
13	-	-

Connector code	FR2
Connector name	Door speaker FR
Connector type	C02FBr



2	1
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Serial No.	Color	Function Name
1	Br	Speaker(-)
2	Br/W	Speaker(+)

Connector code	FR3
Connector name	Connect the right front door window switch
Connector type	NS08FW



3	2			1
8	7	6	5	4

Serial No.	Color	Function Name
1	-	-
2	-	-
3	-	-
4	W	Right front door window power switch
5	L/R	Door's window glass ascending control FR
6	L/W	Left front door window control opening
7	L/B	Door's window glass descending control FR
8	L/Y	Left front door window control closing

Connector code	FR4
Connector name	Connect the right front door window motor
Connector type	T02FB



2	1
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Serial No.	Color	Function Name
1	L/R	Lift window
2	L/B	Drop window

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MA
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Connector information

Connector code	FR5
Connector name	Connect the right front door lock motor
Connector type	M04FW



2	1
4	3

Serial No.	Color	Function Name
1	-	
2	L/O	Drop lock
3		
4	L/G	Unlock

Connector code	FR6
Connector name	Connect the right front backview mirror motor
Connector type	RV05FGr



5	4	3	2	1
---	---	---	---	---

Serial No.	Color	Function Name
i		
2		
3	L/O	Right front backview mirror left and right motor
4	G/B	Right front backview mirror motor (+)
5	G/O	Right front backview mirror up and down motor

Left rear door wiring harness connector(RL--)

Connector code	RL1
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS02FW



3	2	1
---	---	---

Serial No.	Color	Function Name
1	L/O	Left rear door lock closing
2	L/G	Left rear door lock opening

Connector code	RL2
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS03FW

Serial No.	Color	Function Name
1	B/W	Left front door window control closing
2	W	Left rear door window power switch
3	W/B	Left front door window control opening

Connector code	RL3
Connector name	Connect the left rear door window switch
Connector type	NS08FW



3	2			1
8	7	6	5	4

Serial No.	Color	Function Name
1	-	-
2	-	-
3	-	-

Connector information

Serial No.	Color	Function Name
4	W	Left rear door window power switch
5	L/B	Door's window glass descending control RL
6	W/B	Left front door window control opening
7	L/R	Door's window glass ascending control RL
8	B/W	Left front door window control closing

Connector code	RL4
Connector name	Connect the left rear door window motor
Connector type	T02FB



Serial No.	Color	Function Name
1	L/R	Lift window
2	L/B	Drop window

Connector code	RL5
Connector name	Connect the left rear door lock motor
Connector type	M04FW



Serial No.	Color	Function Name
1	-	-
2	L/O	Drop lock
3	-	-
4	L/G	Unlock

Left rear door wiring harness connector (RL--)

Connector code	RR1
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS02FW



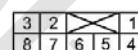
Serial No.	Color	Function Name
1	L/O	Right rear door lock closing
2	L/G	Right rear door lock opening

Connector code	RR2
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS03FW



Serial No.	Color	Function Name
1	B/W	Left front door window control closing
2	W	Right rear door window power switch
3	W/B	Left front door window control opening

Connector code	RR3
Connector name	Connect the right rear door window switch
Connector type	NS08FW



Serial No.	Color	Function Name
1	-	-
2	-	-
3	-	-

GI

MA

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Connector information

Serial No.	Color	Function Name
4	W	Right rear door window power switch
5	L/B	Door's window glass descending control RR
6	W/B	Left front door window control opening
7	L/R	Door's window glass ascending control RR
8	B/W	Left front door window control closing

Connector code	RR4
Connector name	Right rear door window motor
Connector type	T02FB-M/C



Serial No.	Color	Function Name
1	L/R	Lift window
2	L/B	Drop window

Connector code	RR5
Connector name	Right rear door lock motor
Connector type	M04FW-M



Serial No.	Color	Function Name
1	-	-
2	L/O	Drop lock
3	-	-
4	L/G	Unlock

Interior light wiring harness connector (R-)

Connector code	R1
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS03FW



Serial No.	Color	Function Name
1	R/G	Rear dome light (+)
2	R/B	Rear door switch signal
3	R/Y	Front ceiling light(+)

Connector code	R2
Connector name	Connect the left rear door switch
Connector type	T01FB



Serial No.	Color	Function Name
1	R/B	Left rear door switch signal

Connector code	R3
Connector name	Connect the rear dome light
Connector type	E-6216



Serial No.	Color	Function Name
1	R/G	Rear dome light (+)

Connector information

Connector code	R4
Connector name	Connect the front dome light
Connector type	E-6205



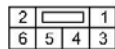
Serial No.	Color	Function Name
1	R/Y	Front ceiling light(+)

Connector code	R5
Connector name	Connect the right rear door switch
Connector type	T01FB



Serial No.	Color	Function Name
1	R/B	Right rear door switch signal

Connector code	R6
Connector name	Wiring harness connector (connected to the main wiring harness)
Connector type	NS06FW



Serial No.	Color	Function Name
1	R/G	Rear dome light (+)
2	R/B	Front ceiling light(+)
3	R	Diode
4	-	-
5	R/B	Rear door switch signal
6	G/Y	High brake light (+)

Connector code	R7
Connector name	Connect the body
Connector type	E-LA6



Serial No.	Color	Function Name
1	B	Connect the body

Connector code	R8
Connector name	Connect the front dome light
Connector type	E-6216



Serial No.	Color	Function Name
1	R/G	Front work lamp(-)

Connector code	R9
Connector name	Connect the light mounting screw
Connector type	Y4



Serial No.	Color	Function Name
1	B	Rear work lamp

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Connector information

Connector code	R10
Connector name	Connect the rear dome light
Connector type	E-6205



Serial No.	Color	Function Name
1	R/B	Rear work lamp(-)

Connector code	R11
Connector name	Connect the diode
Connector type	DJ7023-2.3-21



Serial No.	Color	Function Name
1	R	Diode(-)
2	R/B	Diode(+)

Connector code	R12
Connector name	Connect the high level brake light
Connector type	DJ3011A-4-20



Serial No.	Color	Function Name
1	G/Y	High mounted stop lamps(+)

Connector code	R13
Connector name	Connect the high level brake light
Connector type	DJ3011A-4-10



Serial No.	Color	Function Name
1	B	High mounted stop lamps(-)

Connector information

Taillight wiring harness connector (T-)

Connector code	T1
Connector name	Wiring harness connector (connected to the chassis wiring harness)
Connector type	RS08MGr



Serial No.	Color	Function Name
1	O/L	Rear fog lamp(+)
2	P/L	Position light (+), license plate light (+)
3	B	T4 and T5ground
4	R/B	Reverse lights(+)
5	G/Y	Brake light(+)
6	Gr/R	Right turn signal light (+)
7	Gr/L	Left turn signal light(+)
8	B	T2, T3, T4 and T5 grounding

Connector code	T2
Connector name	Connect the right license plate light
Connector type	W02FW



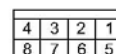
Serial No.	Color	Function Name
1	P/L	License plate light(+)
2	B	License plate light(-)

Connector code	T3
Connector name	Connect left license plate lamp
Connector type	W02FW



Serial No.	Color	Function Name
1	P/L	License plate light(+)
2	B	License plate light(-)

Connector code	T4
Connector name	Connect the left combination taillight
Connector type	M08FW-US



Serial No.	Color	Function Name
1	-	-
2	B	Earthing
3	Gr/L	LeftTurn signal light(+)
4	P/L	Position light(+)
5	B	Earthing
6	O/L	Rear fog lamp(+)
7	R/B	Reverse lights(+)
8	G/Y	Brake light(+)

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Connector information

Connector code	T5
Connector name	Connect the right combination taillight
Connector type	M08FW-US

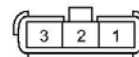


4	3	2	1
8	7	6	5

Serial No.	Color	Function Name
1	-	-
2	B	Earthing
3	Gr/R	Right turn signal light (+)
4	P/L	Position light(+)
5	B	Earthing
6	-	-
7	R/B	Reverse lights(+)
8	G/Y	Brake light(+)

Auxiliary wiring harness connector (A-)

Connector code	A1
Connector name	Wiring harness connector (connected to the chassis wiring harness)
Connector type	DJ7031-1.8-21



Serial No.	Color	Function Name
1	Lg	Right sensor signal
2	B	A2 and A3 ground
3	L	Left sensor signal

Connector code	A2
Connector name	Connect the left sensor
Connector type	DJ7021-1.8-11



Serial No.	Color	Function Name
1	L	Left sensor signal
2	B	Earthing

Connector code	A3
Connector name	Connect the right sensor
Connector type	DJ7021-1.8-11



Serial No.	Color	Function Name
1	Lg	Right sensor signal
2	B	Earthing

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