

# 1988 Mazda 323 Wiring Diagram

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## FOREWORD

This wiring diagram incorporates the wiring schematic for the basic vehicle and its available optional equipment. Actual vehicle wiring may vary slightly depending upon optional equipment and/or local specifications. All information contained in this booklet is based on the latest information available at the time of printing. Mazda Motor Corporation reserves the right to make changes without previous notice.

Mazda Motor Corporation  
HIROSHIMA, JAPAN

# Wiring Diagram

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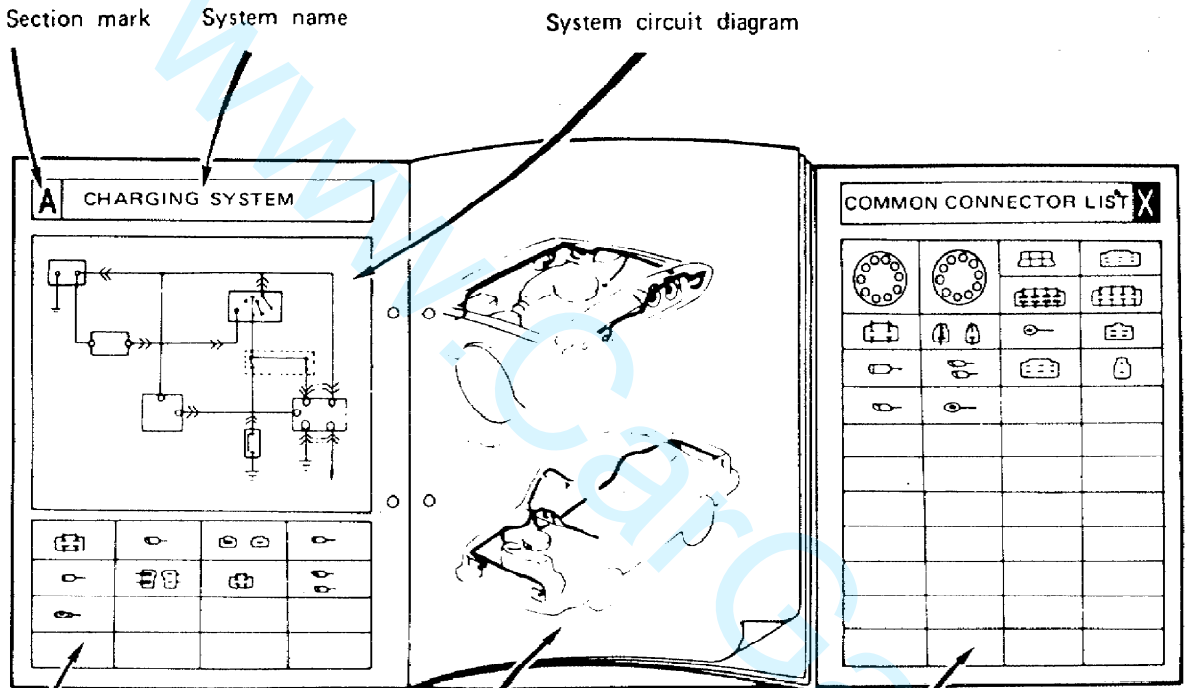
# 50-0 HOW TO USE THIS WIRING DIAGRAM

## HOW TO USE THIS WIRING DIAGRAM

The complete electrical system is divided into charging system, ignition system, etc.

Each system is shown on both right and left pages as described below.

When reading the wiring diagram, following should be noted:

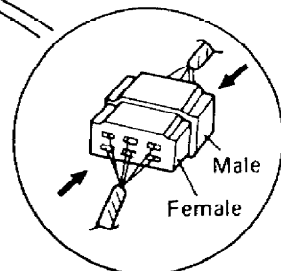
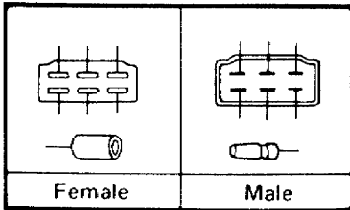


- Connector diagram identifies the exclusive applicable connectors for the circuit.

- Right page illustrates the actual location of each connector and the routing diagram of the harness.

- The last page, "Section X", illustrates common connectors related to each system.

### CONNECTOR



Way to look at Connector

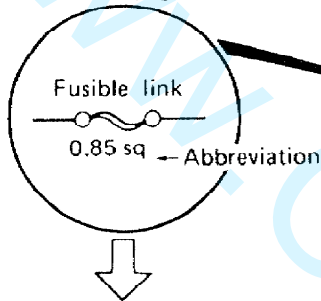
**WIRING COLOR CODE**

Wiring color code is indicated with alphabetical letter/s. The first letter indicates the basic color of the wire, and second letter (if any) indicates that the color of the stripe.

CODE	COLOR	CODE	COLOR
B	Black	Lg	Light green
Br	Brown	O	Orange
G	Green	R	Red
L	Blue	Y	Yellow
Lb	Light blue	W	White
LO	Blue Orange	WR	White Red
LgB	Light green Black		

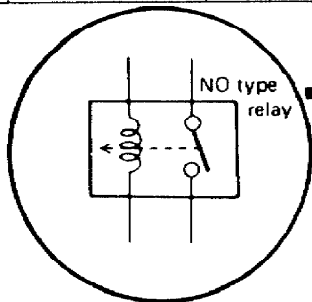
Wiring harness color is shown

The same fusible link and fuses are indicated on each page.



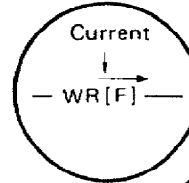
**ABBREVIATIONS USED IN THIS BOOKLET**

Abbr.	Term	Abbr.	Term
St	Start	A	Ampere
IG	Ignition	W	Watt
ACC	Accessory	R	Resistance
AS	Auto stop	Tr	Transistor
INT	Intermittent	M	Motor
Lo	Low	SW	Switch
Mi	Middle	Sq	Square per millimeter
Hi	High	A/T	Automatic transmission
R.H.	Right hand	M/T	Manual transmission
L.H.	Left hand	NO	Normal opened
F.R.	Front right	NC	Normal closed
F.L.	Front left	MH	Middle high
R.R.	Rear right		
R.L.	Rear left		
V	Volt		

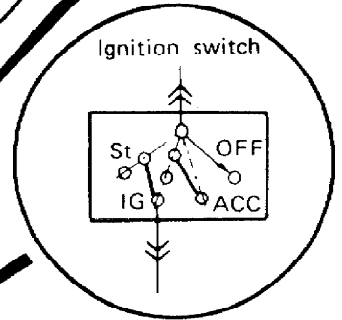
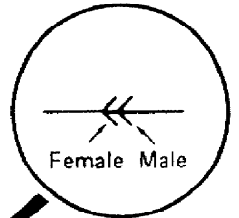


The relays and switches are identified as NC (normal closed), or NO (normal opened), to indicate their normal position when they are not in operation.

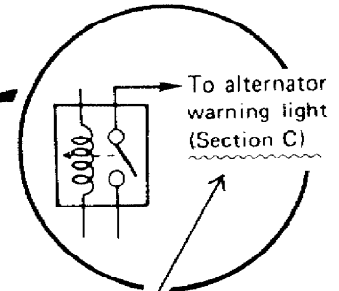
Direction of current is shown by the arrow



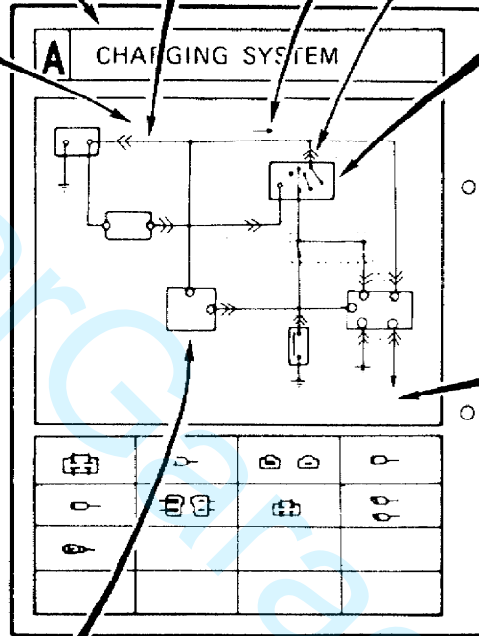
**CONNECTOR**



Circuit is shown with the ignition switch off.



Legend in the parenthesis ( ) indicates the reference section.



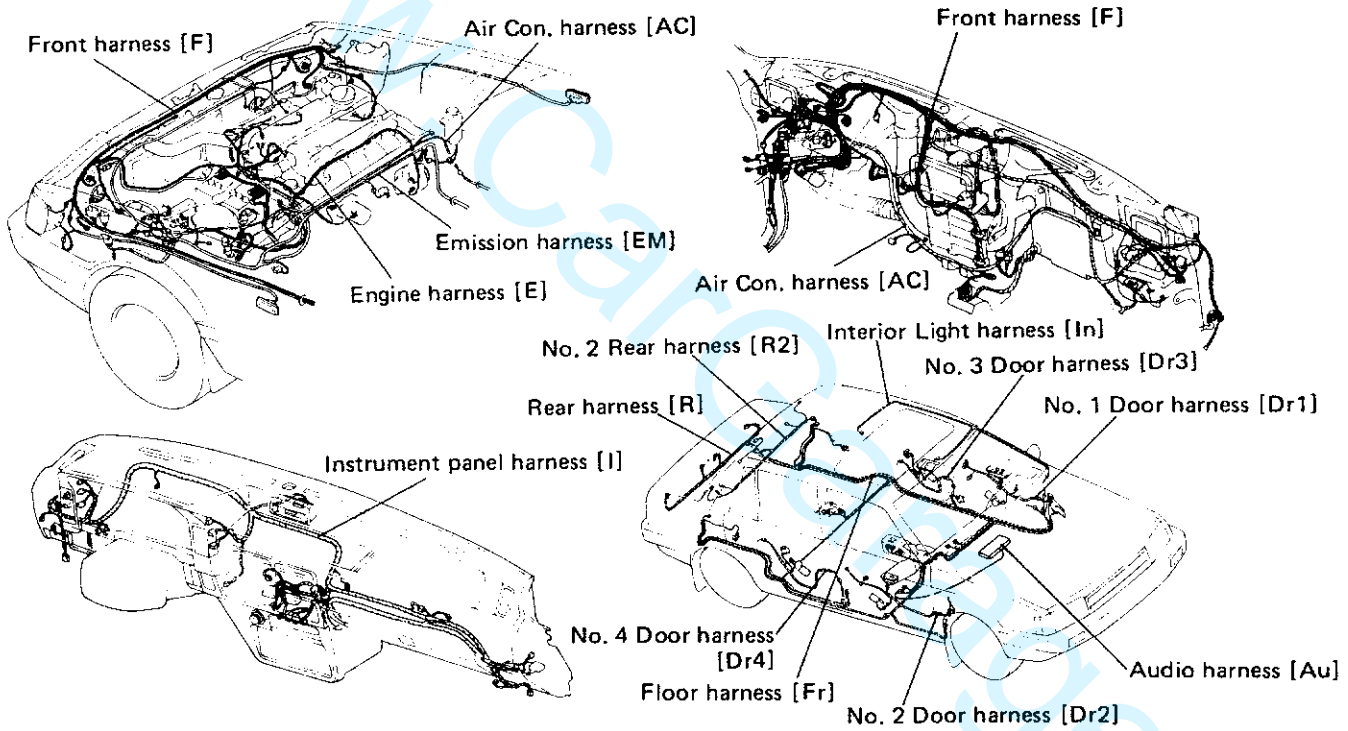
	Relay		Switch	
	NO type relay	NC type relay	NO switch	NC switch
Not in operation				
In operation				

# 50-0 HOW TO USE THIS WIRING DIAGRAM

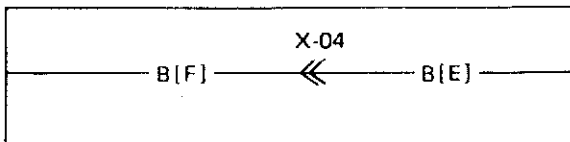
## HARNESS SYMBOLS

Each harness is distinguished by a symbol to indicate to which harness belong a wiring and connector in circuit diagrams and connector charts.

DESCRIPTION OF HARNESS	COLOR	SYMBOL	DESCRIPTION OF HARNESS	SYMBOL
Front harness	—	[F]	No. 1 Door harness	[Dr1]
Engine harness	—	[E]	No. 2 Door harness	[Dr2]
Instrument panel harness	—	[I]	No. 3 Door harness	[Dr3]
Rear harness	—	[R]	No. 4 Door harness	[Dr4]
No. 2 Rear harness		[R2]	Audio harness	[Au]
Emission harness		[EM]	Air Con. harness	[AC]
Interior light harness		[In]		
Floor harness		[Fr]		

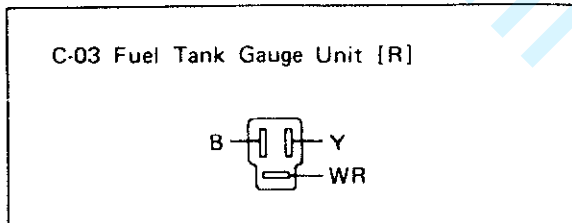


### EXAMPLE OF CIRCUIT DIAGRAM



- It is seen from the above that the male-side black line of the X-04 shows the engine harness and the female-side black line shows the front harness.
- It is seen from the above that the X-04 connector is a connector connecting the engine and the front.

### EXAMPLE OF CONNECTOR


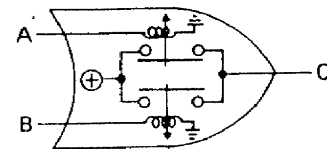

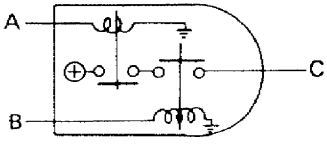

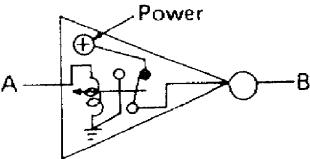

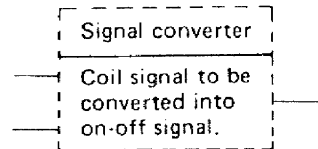


- It is seen from the above that this connector (C-03) is on the Rear harness.



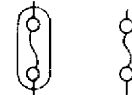




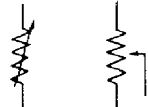


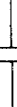
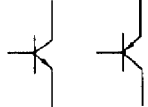
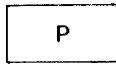

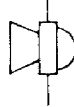





**SYMBOLS IN THIS WIRING DIAGRAM**

**LOGICAL SYMBOLS**

The logical symbols are of four kinds: OR, AND, INV. (Inverter), PROCESS.  
The circuit operation can be easily read by understanding these symbols.

<p>OR</p> 	<p>In case of input to either A or B, an output comes out from C. When A and B are off (0V), C is off (0V). When either A or B is on (12V), C is on (12V). This can be simply shown in the relay circuit on the right-hand side.</p>	
<p>AND</p> 	<p>In case of input to both A and B, an output comes out from C. When A and B are on (12V), C is on (12V). When either A or B is off (0V), C is off (0V). This can be simply shown in the relay circuit on the right-hand side.</p>	
<p>INV. (Inverter)</p> 	<p>In case of input to A, B is grounded. When A is off (0V), B is on (12V). When A is on (12V), B is off (0V). This can be simply shown in the relay circuit on the right-hand side.</p>	
	<p>PROCESS makes a simplified representation of complicated functions of the circuit. Functions mainly used: 1. Detection of signals 2. Conversion of signals The process of the full transistor ignition control unit is as shown in the right-hand figure.</p>	

**GRAPHIC SYMBOLS**

				
Battery	Ground	Fuse	Fusible link	Motor
				
Coil solenoid	Resistance	Variabel resistance	Thermister	Diode
				
Condenser	Transistor	Pump	Lamp	Horn
				
Speaker	Cigar lighter	Heater	Illuminated Diode	Zener Diode



**PI PARTS INDEX**

Parts	Section	Parts	Section
<b>(A)</b> Adjustable Damper Actuator .....	O	<b>Combination Switch</b>	
Actuator Solenoid Valve .....	P-1, 2	License Light L.H., R.H. ....	E-b
Adjustable Damper Actuator .....	O	Meter Illumi. ....	C, E-a
Adjustable Damper Switch .....	O	Parking Light L.H., R.H. ....	E-b
A/C. Relay No. 1, No. 2 .....	G	Tail Light L.H., R.H. ....	E-b
A/C. Switch .....	G	Radio Illumi. ....	E-a, L
Air Flow Meter .....	B-1b, 2b, 3b	Rear Marker Light L.H., R.H. ....	E-b
Alternator With Regulator .....	A-1, 2	Rear Turn Light L.H., R.H. ....	F-a
AM, FM Electronic Tuner .....	L	Condenser .....	B-1a, 2a, 3a
Atmospheric Pressure Sensor .....	B-1b, 2b, 3a	Condenser Fan Motor .....	G
		Cooling Fan Motor .....	B-1a, 2a, 3a
		Cooling Fan Relay .....	B-1a, 2a, 3a
		Courtesy Light L.H., R.H. ....	J
		Cruise Control Unit .....	P
<b>(B)</b> Back-Up Light .....	F-a	<b>(D)</b> Din Cord .....	L
Back-Up Light Switch .....	F-a	Diode .....	B-3a
Battery .....	A ~ P	Digital Clock .....	I
Blower Motor .....	G	Distributor .....	B-1a, 2a, 3a
Blower Motor Control Switch .....	G	Door Handle Switch .....	J
Brake Fluid Level Switch .....	C	Door Lock Cylinder Light .....	J
Buckle Switch .....	J	Door Switch .....	J
Buzzer .....	C, J	<b>(E)</b> Electrical Load Control Unit .....	B-1b, 2b, 3b
		Engine Control Unit .....	B-1a, 1b, 2a, 2b, 3a, 3b
<b>(C)</b> Cassette Deck .....	L	Entry Illumi. Timer .....	J
Check Connector .....	B-b	<b>(F)</b> Front Speaker L.H., R.H. ....	L
Check Relay .....	C	Front Wiper & Washer Motor .....	D
Cigarette Lighter .....	H	Fuel Meter .....	C
Circuit Opening Relay .....	B-1a, 2a, 3a	Fuel Pump .....	B-1a, 2a, 3a
<b>Cluster Switch L.H.</b>		Fuel Pump Control Unit .....	B-2a
Rear Window Defroster Switch .....	I	Fuel Tank Unit .....	B-2a
Rear Wiper & Washer Switch .....	D	<b>(H)</b> High Mounted Stop Light .....	E-b
<b>Cluster Switch R.H.</b>		Horn L.H., R.H. ....	F-b
Cruise Control Main Switch .....	P	Horn Relay .....	F-b
Panel Light Control Switch .....	E-a	<b>(I)</b> Igniter .....	B-1a, 2a, 3a
Clutch Switch .....	B-1b, 2b, 3b, P	Ignition Coil .....	B-1a, 2a, 3a
<b>Combination Switch</b>		Ignition Key Illumi. ....	J
Adjustable Damper Illumi. ....	E-a, O	Ignition Key Reminder Switch .....	J
A/C. Switch Illumi. ....	E-a, G-a, G-b	Ignition Relay .....	G, JB
A/T Select Illumi. ....	E-a	Ignition Switch .....	A ~ P
Center Dif-Lock Illumi. ....	E-a	<b>Indicator &amp; Warning Lights</b>	
Cigarette lighter Illumi. ....	E-a	Brake .....	C
Cluster Illumi. L.H., R.H. ....	E-a	Charge (Alternator) .....	C
Cruise Main Switch Illumi. ....	E-a, P	Fuel .....	C
Flasher Unit .....	F-a	High Beam .....	C
Front Marker Light L.H., R.H. ....	E-b	Oil Pressure .....	C
Front Turn Light L.H., R.H. ....	F-a	Rear Window Defroster .....	C
Front Washer Switch .....	D	Seat Belt .....	C
Front Wiper Switch .....	D	Stop Light .....	C
Headlight L.H., R.H. ....	E-b		
Heater Illumi. ....	E-a		
Horn Switch .....	F-b		

## PARTS INDEX

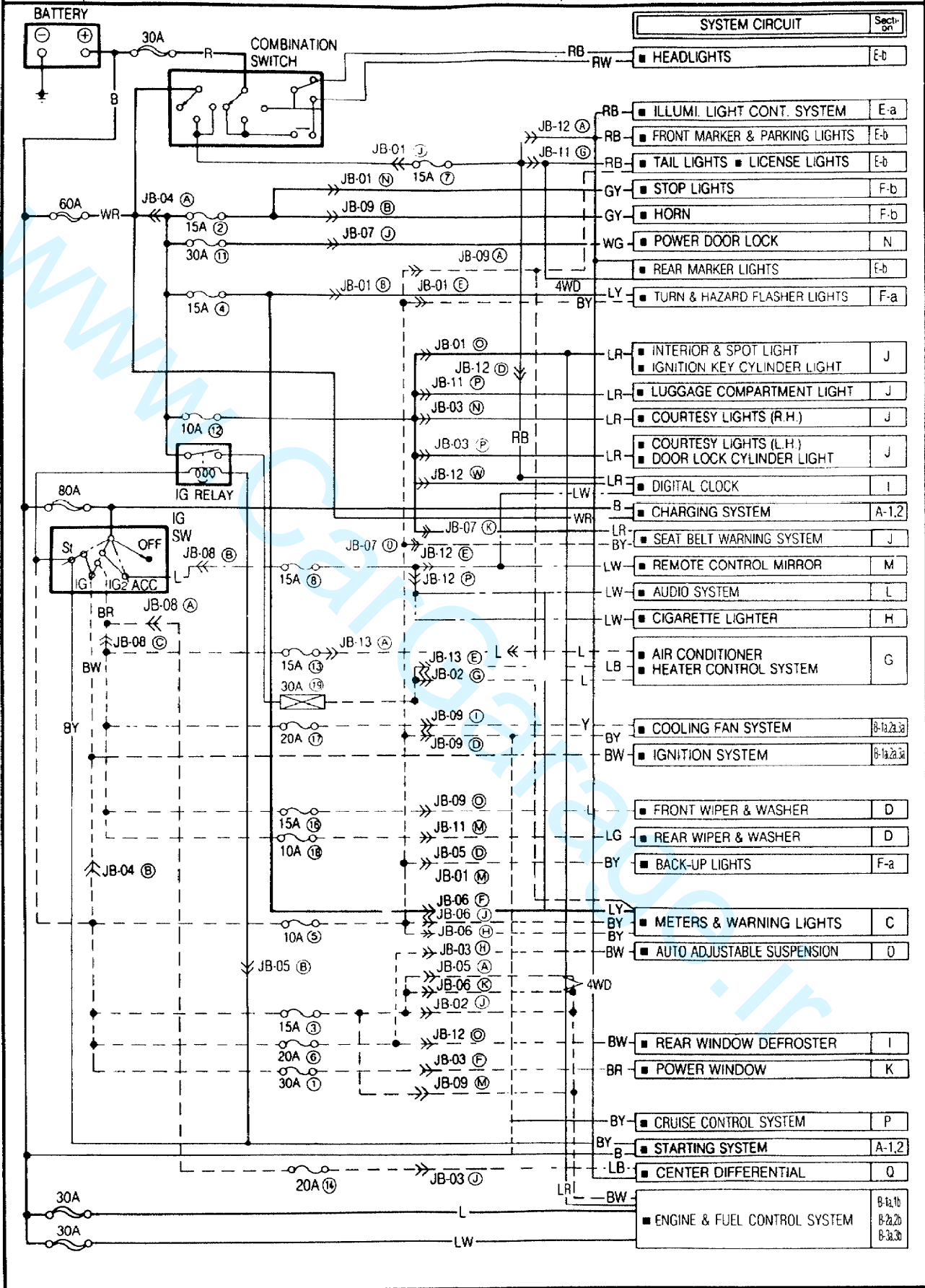
PI

Parts	Section	Parts	Section
Turn L.H., R.H. ....	C	Rear Washer Motor .....	D
Washer Level .....	C	Rear Wiper Motor .....	D
Inhibitor Switch .....	A-1	Rear Window Defroster .....	I
Injector No. 1, No. 2, No. 3, No. 4 .....	B-1a, 2a, 3a	Refrigerant Pressure Switch (With Air Con.) .....	G
Interior & Spot Light .....	J	Remote Control Mirror Motor .....	M
Ⓝ Joint Connector .....	B-1a, 2a, 3a	Remote Control Mirror Switch .....	M
Ⓚ Kick-down Switch (For 4AT) .....	B-3a	Resistor .....	G
Knock Controller .....	B-1a, 2a		
Knock Sensor .....	B-1a, 2a	Ⓢ Seat Belt Timer & Buzzer .....	J
Ⓛ Luggage Compartment Light .....	J	Sliding Sunroof .....	H
Luggage Compartment Light Switch .....	J	Sliding Sunroof Relay No. 1, No. 2 .....	H
Ⓜ Main Fuse .....	A ~ P	Sliding Sunroof Switch .....	H
Main Relay .....	B-1a, 2a, 3a,	Speed Sensor .....	C, P
Magnet Clutch (A/C.) .....	G	<b>Solenoid Valve</b>	
Ⓝ Neutral Switch .....	B-1b, 2b, 3b	For No.1 Purge Control Valve .....	B-1b, 2b, 3a
Ⓞ O/D Switch .....	B-3a	For Vacuum Switch Valve .....	B-1b, 2b, 3a
Oil Pressure Switch .....	C	I.S.C. ....	B-1b, 2b, 3b
Oscillator .....	C	Kick Down .....	B-3a
Oxygen Sensor .....	B-1b, 2b, 3b	P.R.C. ....	B-1b, 2b, 3b
Ⓟ Parking Brake Switch .....	C	O/D .....	B-3a
Power Door Lock Motor .....	N	Starter Interlock Sw .....	A-1, 2
Power Door Lock Relay .....	N	Starting Motor .....	A-1, 2
Power Door Lock Switch .....	N	Stop Light .....	F-b
Power Steering Pressure Switch .....	B-1b, 2b, 3b	Stop Light Checker .....	F-b
Power Steering Solenoid Valve .....	B-a, B-b	Stop Light Switch .....	F-b
Power Window Motor .....	K	Stop Switch .....	F-b, P
Power Window Switch .....	K		
Pressure Sw .....	B-1b, 2b	Ⓣ Tachometer .....	C
Ⓡ Rear Amp. ....	L	Test Connector .....	B-1b, 2b, 3b
Rear Speaker L.H., R.H. ....	L	Throttle Sensor .....	B-1b, 2b, 3b
Rear Speaker Cord .....	L	Transfer Pump .....	B-2a
		Ⓦ Washer Fluid Low Level Switch .....	C
		Water Thermo Switch .....	B-1a, 1b, 2a, 2b, 3a, 3b, C
		Water Thermo Sensor .....	B-1b, 2b, 3b



# W ELECTRICAL WIRING SCHEMATIC

— Current From Battery  
 - - - Current From IG Terminal of Ignition Switch  
 - · - Current From ACC Terminal of Ignition Switch  
 — Others

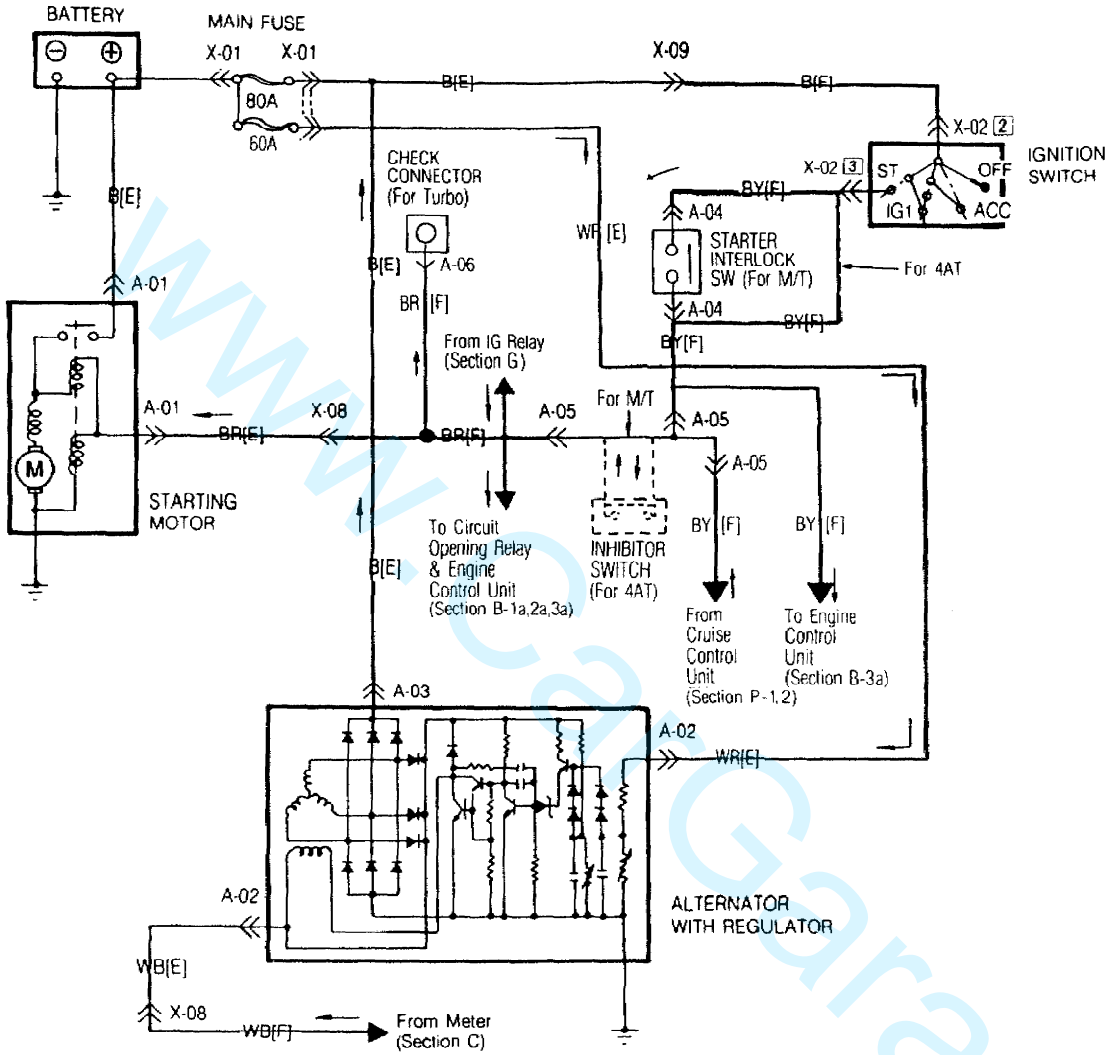








**A-1**

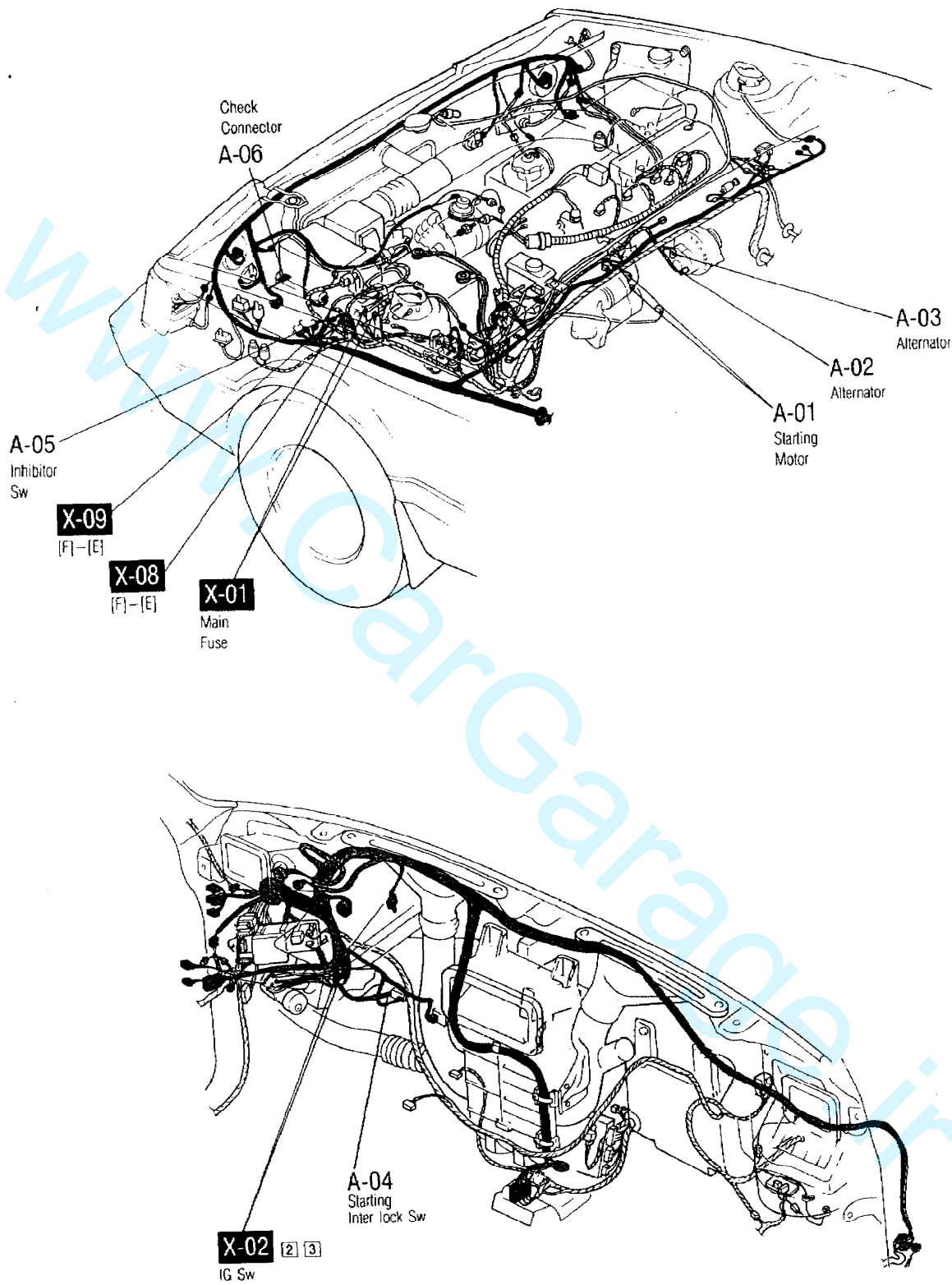
Except 4WD

- CHARGING SYSTEM ■ STARTING SYSTEM
- STARTER INTERLOCK SYSTEM (M/T) ■ INHIBITOR (4AT)

Note:  
\* ... Not Used



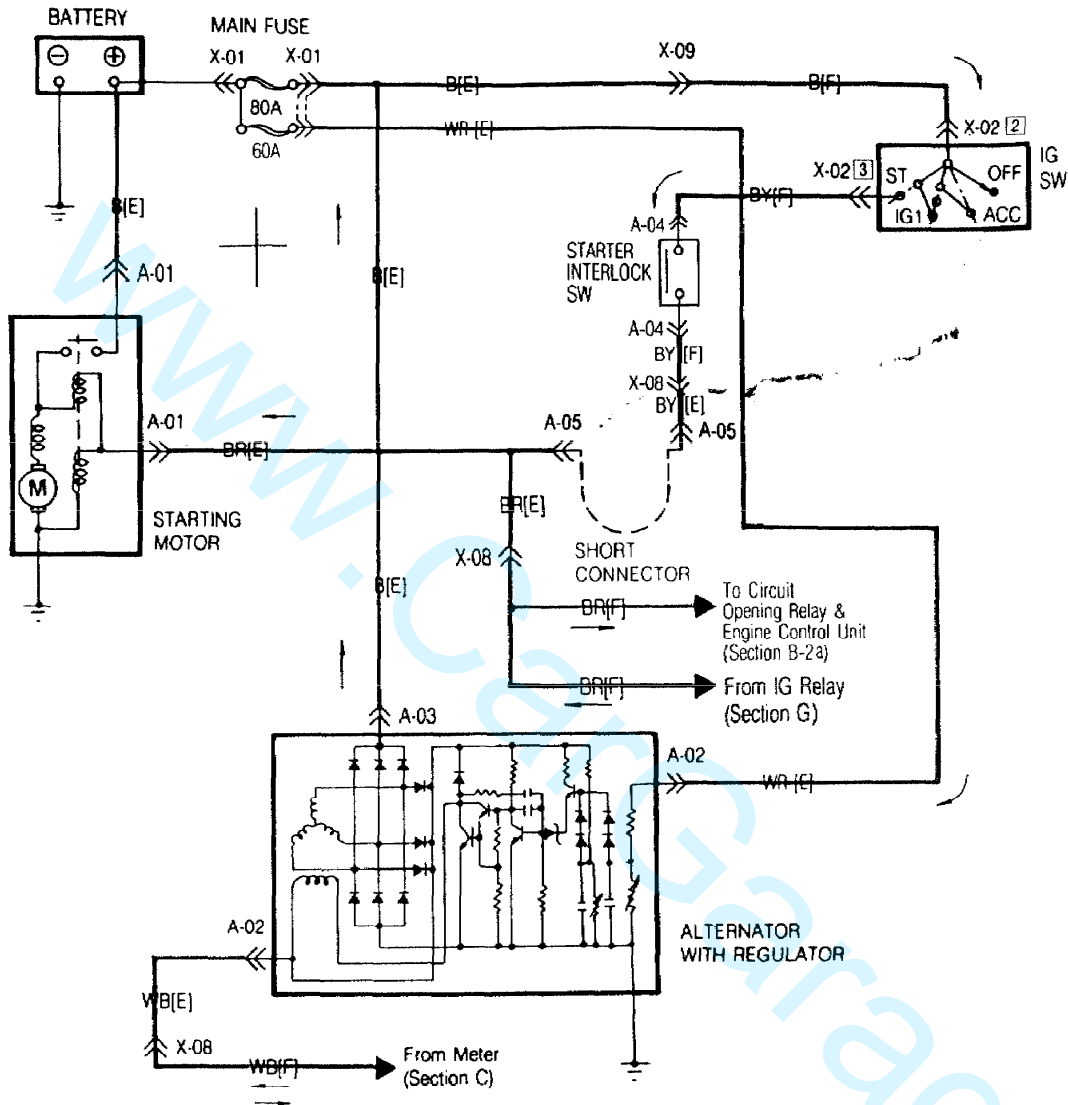
<p>A-01 Starting Motor [E]</p>  <p>BR</p>	<p>A-02 Alternator With Regulator [E]</p>  <p>WR WB</p>	<p>A-03 Alternator With Regulator [E]</p>  <p>B</p>	<p>A-04 Starter Interlock Sw [F]</p>  <p>BY — BG * (For M/T)</p>
<p>A-05 Inhibitor Sw [F]</p>  <p>BY BY RW BR (For M/T) BY (For 4AT)</p>	<p>A-06 Check Connector [F]</p>  <p>BR (For Turbo)</p>		









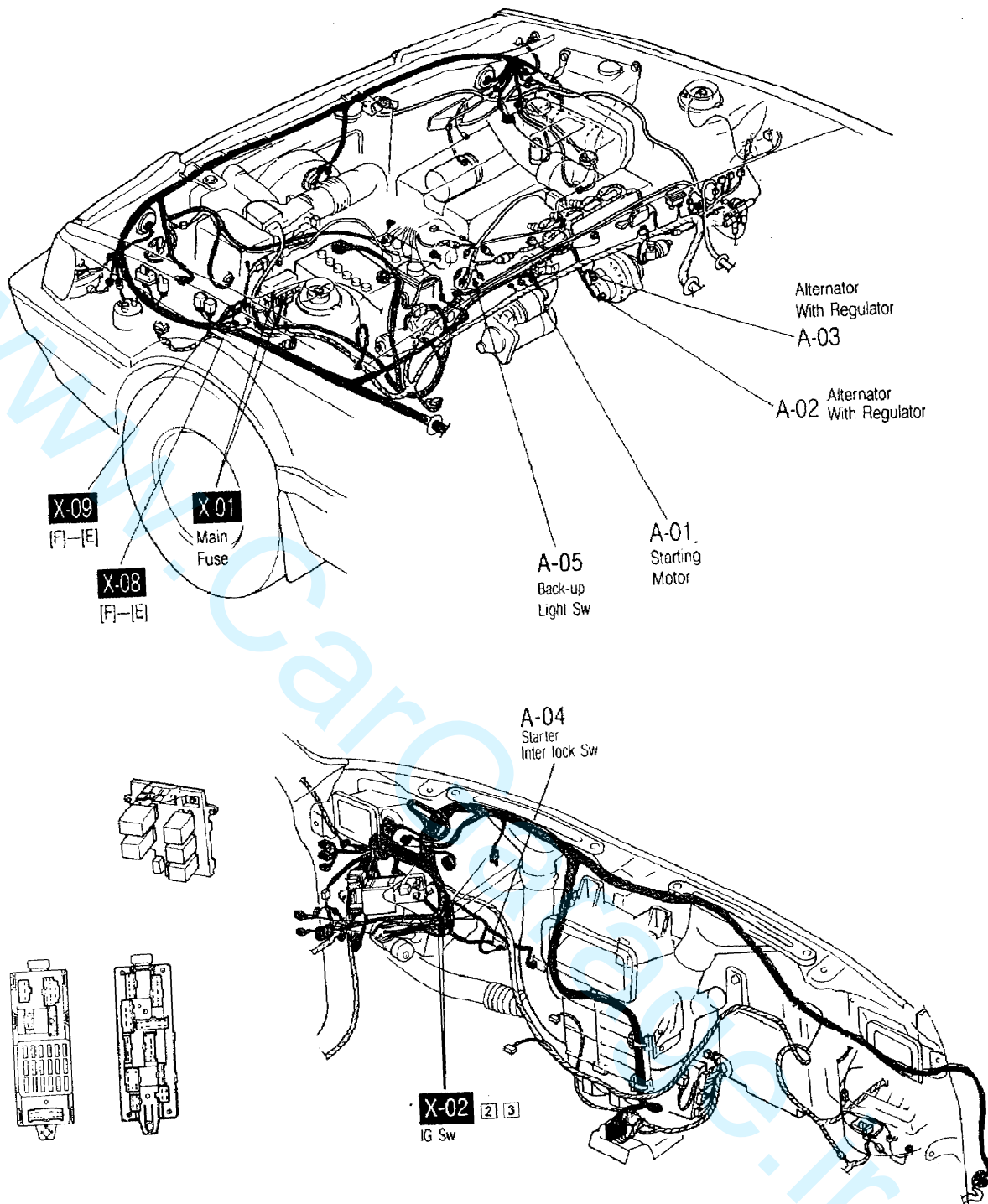
A-2

For 4WD  
 ■ CHARGING SYSTEM ■ STARTING SYSTEM  
 ■ STARTER INTERLOCK SYSTEM

Note:  
 \* ... Not Used

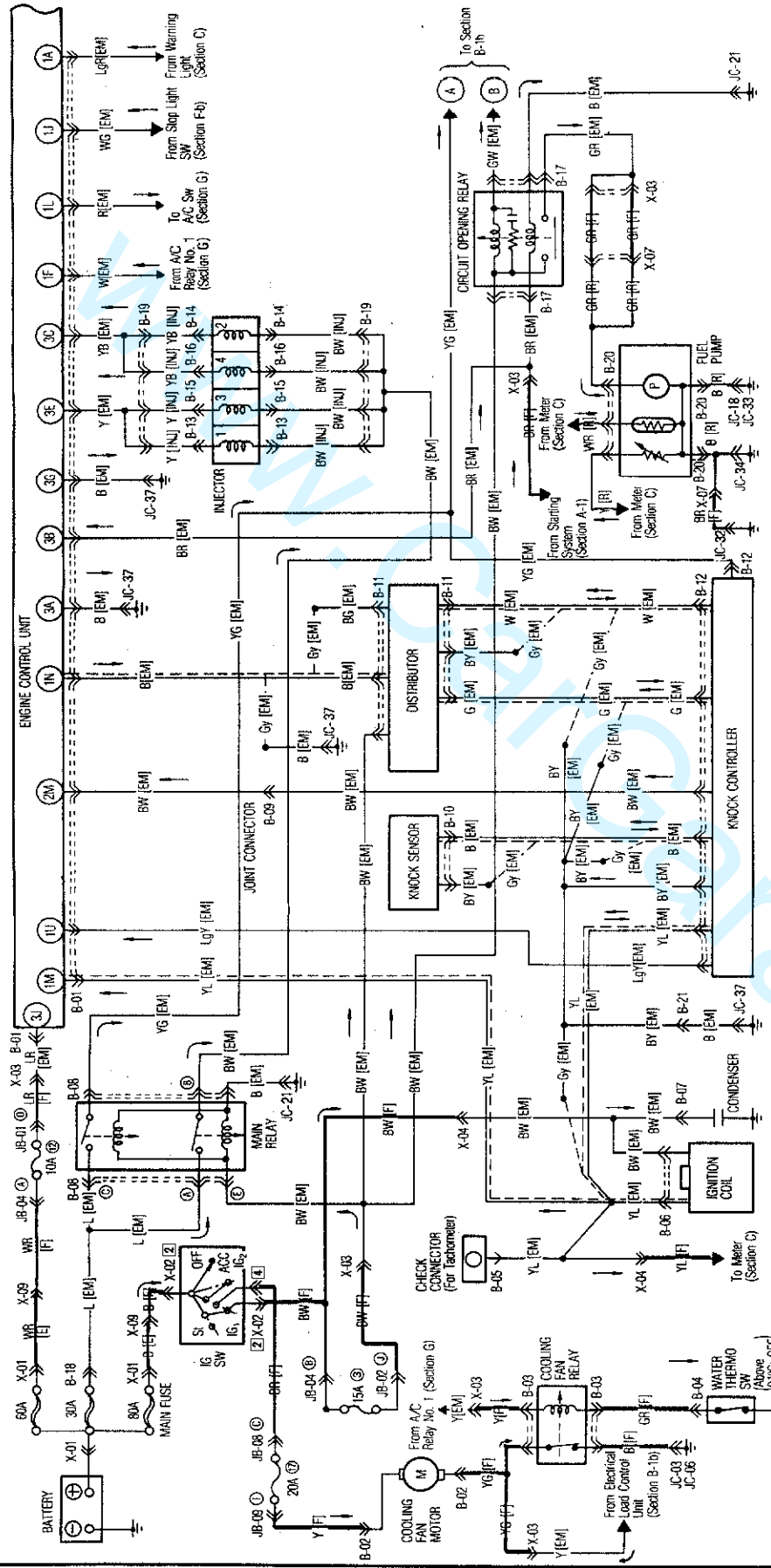


<p>A-01 Starting Motor [E]</p>  <p>BR</p>	<p>A-02 Alternator With Regulator [E]</p>  <p>WR WB</p>	<p>A-03 Alternator With Regulator [E]</p>  <p>B</p>	<p>A-04 Starter Interlock Sw [F]</p>  <p>BY — BG          * —</p>
<p>A-05 Back-Up Light Sw [E]</p>  <p>BY BY          [E] RW BR</p>	<p>Short Connector</p> 		



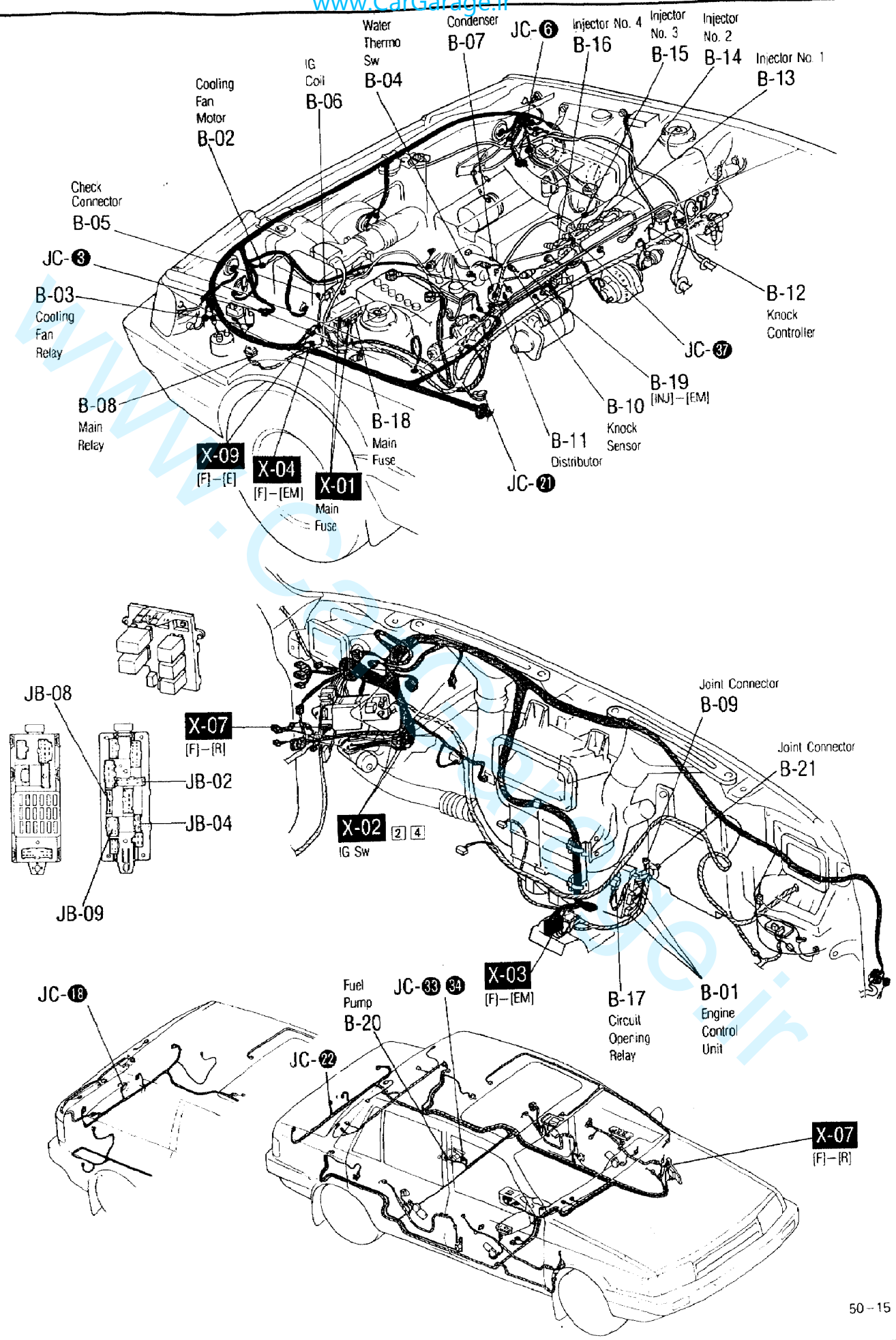
**D-1a** For Turbo ■ IGNITION SYSTEM ■ ENGINE & FUEL CONTROL SYSTEM ■ COOLING FAN SYSTEM

\* Not Used



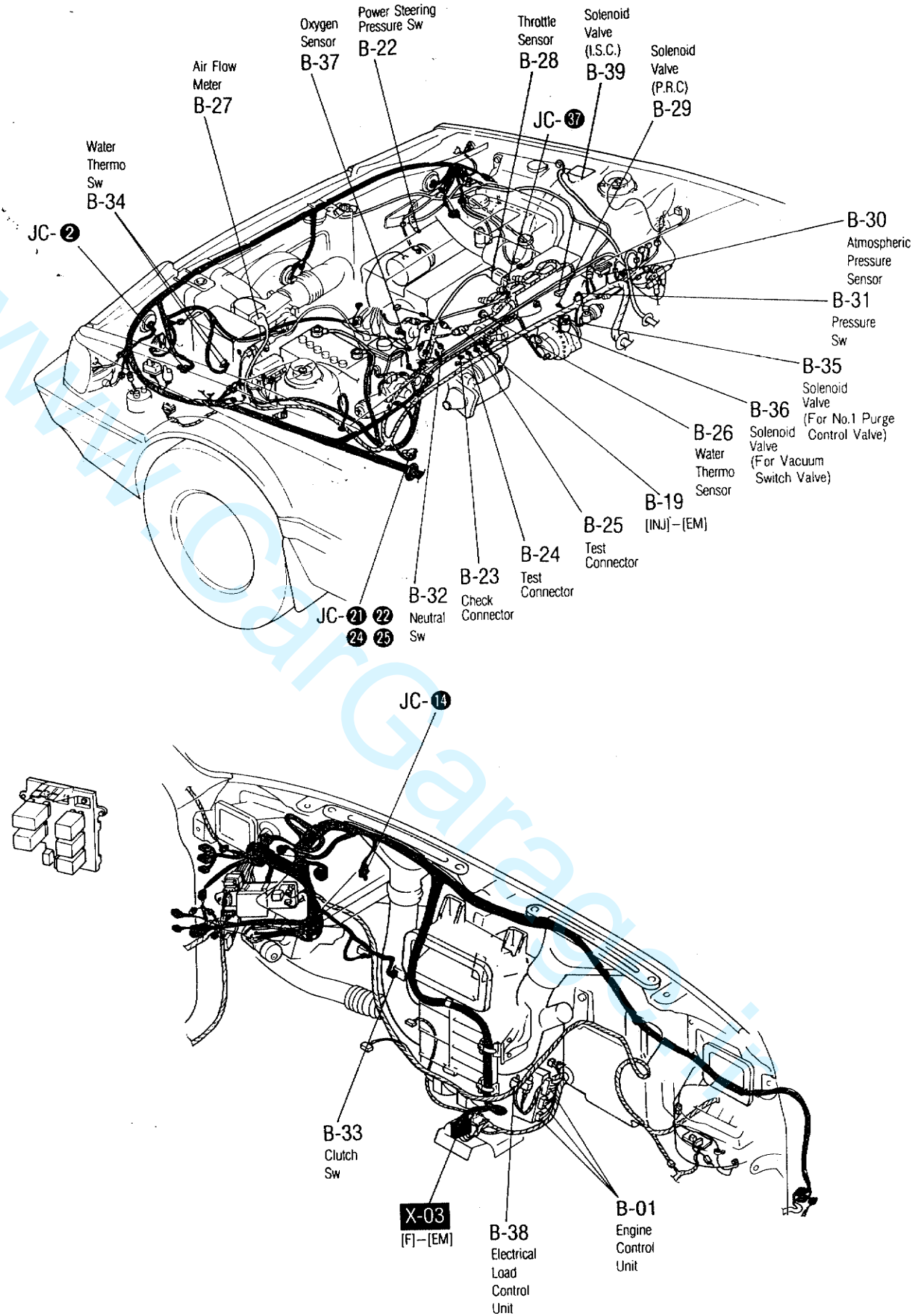
B-01 Engine Control Unit [EM]	B-02 Cooling Fan Motor [F]	B-03 Cooling Fan Relay [F]	B-04 Water Thermo Sw [F]
B-05 Check Connector [EM]	B-10 Knock Sensor [EM]	B-11 Distributor [EM]	B-12 Knock Controller [EM]
B-06 1G Coil [EM]	B-09 Joint Connector [EM]	B-17 Circuit Opening Relay [EM]	B-19 Connector Between Emission [EM] And Injector [INJ] Harness [INJ]
B-07 Condenser [EM]	B-08 Main Relay [EM]	B-18 Main Fuse [EM]	
B-08 Main Relay [EM]	B-16 Injector No.4 [INJ]		
B-13 Injector No.1 [INJ]	B-15 Injector No.3 [INJ]		
B-14 Injector No.2 [INJ]	B-21 Joint Connector [EM]		
B-20 Fuel Pump [F]			





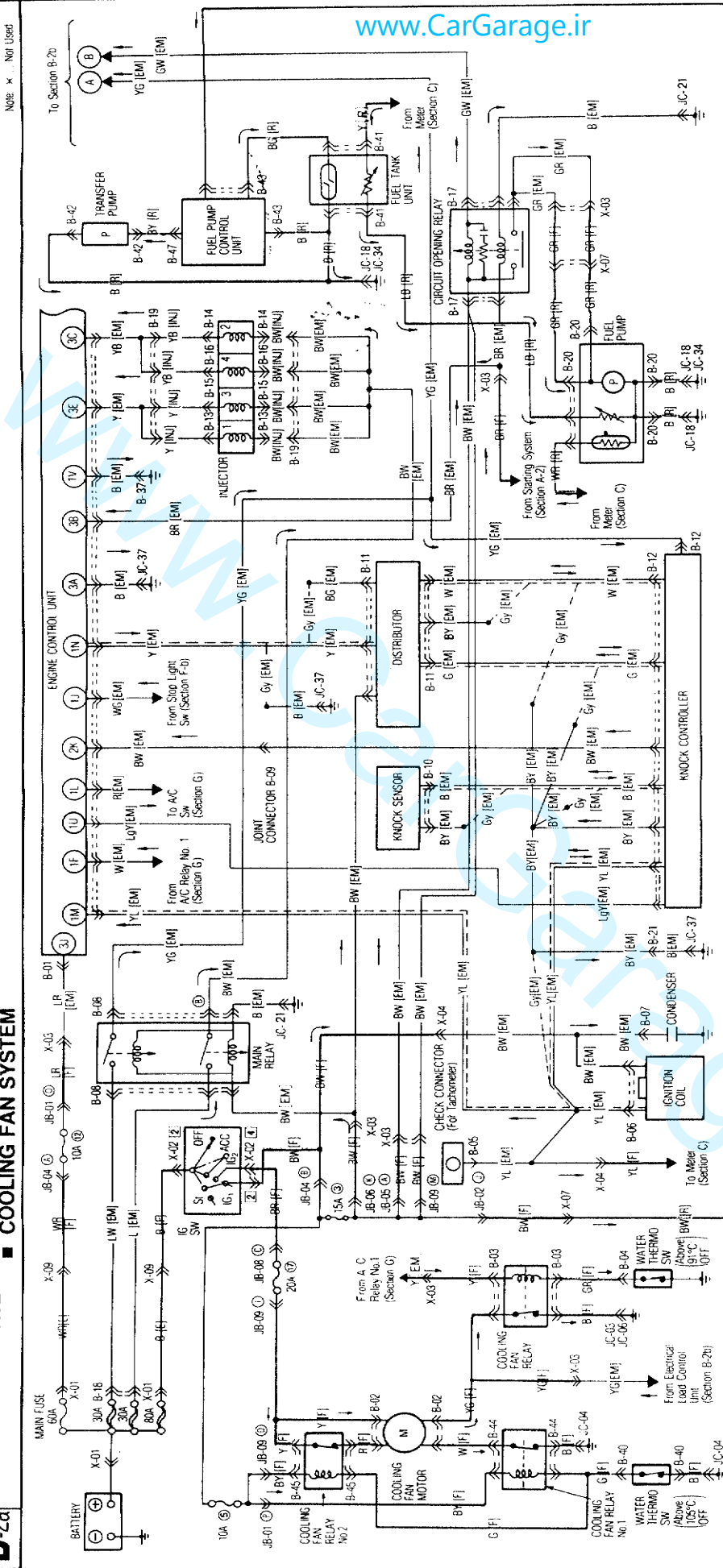






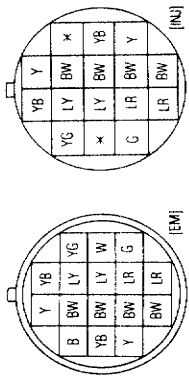
**B-2a** ■ IGNITION SYSTEM ■ ENGINE & FUEL CONTROL SYSTEM  
■ COOLING FAN SYSTEM

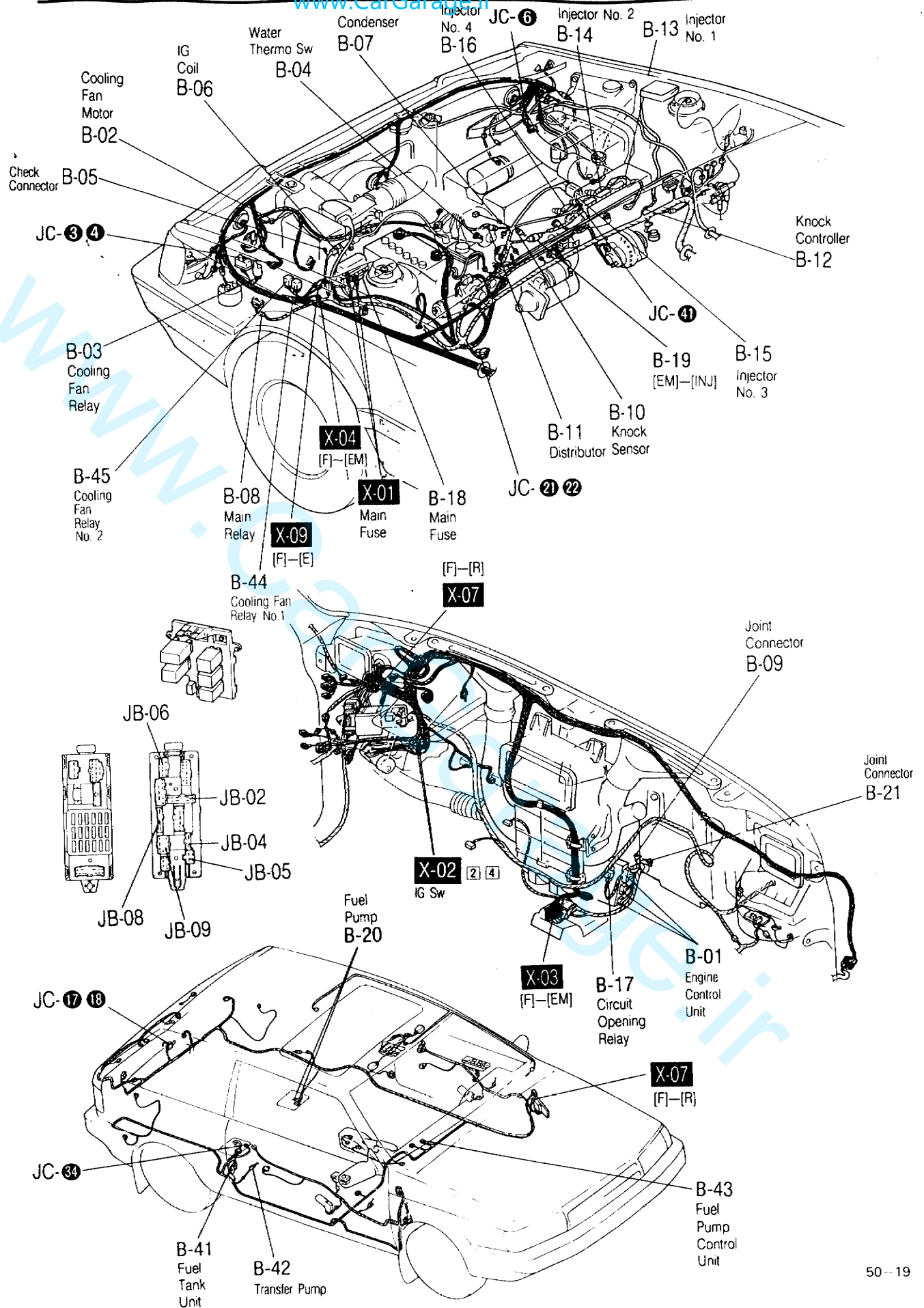
For Turbo With 4WD



NOTE: X Not Used

B-01 Engine Control Unit [EM]	YL Lg Y * * YL GR L RL GO * P	B-03 Cooling Fan Motor [F]	R	B-03 Cooling Fan Relay [F]	Y * B	B-04 Water Thermo Sw [F]	GR	B-05 Check Connector [EM]	YL
B-06 16 Coil [EM]	GL Lg Y * * YL GR L RL GO * P	B-09 Joint Connector [EM]	YG B Y YB B	B-10 Knock Sensor [EM]	YG B Y YB B	B-11 Distributor [EM]	BG BY G W	B-04 Water Thermo Sw [F]	Y
B-15 Injector No.3 [IN]	B * * * * Y Y F R WG BW W BL GB	B-18 Main Fuse [EM]	5W	B-20 Fuel Pump [R]	B GR WR LB	B-21 Joint Connector [EM]	BG BY G W BY Y W	B-13 Injector No.1 [IN]	BW
B-16 Injector No.4 [IN]	BW	B-22 Cooling Fan Relay No. 2 [F]	R * * G	B-25 Cooling Fan Relay No. 1 [F]	W * Y BY	B-44 Cooling Fan Relay No. 2 [F]	R * * G	B-14 Injector No.2 [IN]	BW
B-17 Critical Opening Relay [EM]	BW GR GR	B-45 Cooling Fan Relay No. 1 [F]	B * * G	B-43 Fuel Pump Control Unit [R]	B BW	B-41 Fuel Tank Unit [R]	LB B	B-19 Connector Between Emission [EM] And Injector Harness [IN]	YB BW
B-41 Fuel Tank Unit [R]	LB B	B-43 Fuel Pump Control Unit [R]	BY BC	B-44 Cooling Fan Relay No. 1 [F]	W * Y BY	B-45 Cooling Fan Relay No. 2 [F]	R * * G	B-13 Injector No.1 [IN]	Y
B-42 Transfer Pump [R]	YB BW	B-43 Fuel Pump Control Unit [R]	B BW	B-44 Cooling Fan Relay No. 2 [F]	R * * G	B-45 Cooling Fan Relay No. 1 [F]	W * Y BY	B-19 Connector Between Emission [EM] And Injector Harness [IN]	YB BW
B-41 Fuel Tank Unit [R]	LB B	B-43 Fuel Pump Control Unit [R]	BY BC	B-44 Cooling Fan Relay No. 2 [F]	R * * G	B-45 Cooling Fan Relay No. 1 [F]	W * Y BY	B-19 Connector Between Emission [EM] And Injector Harness [IN]	YB BW



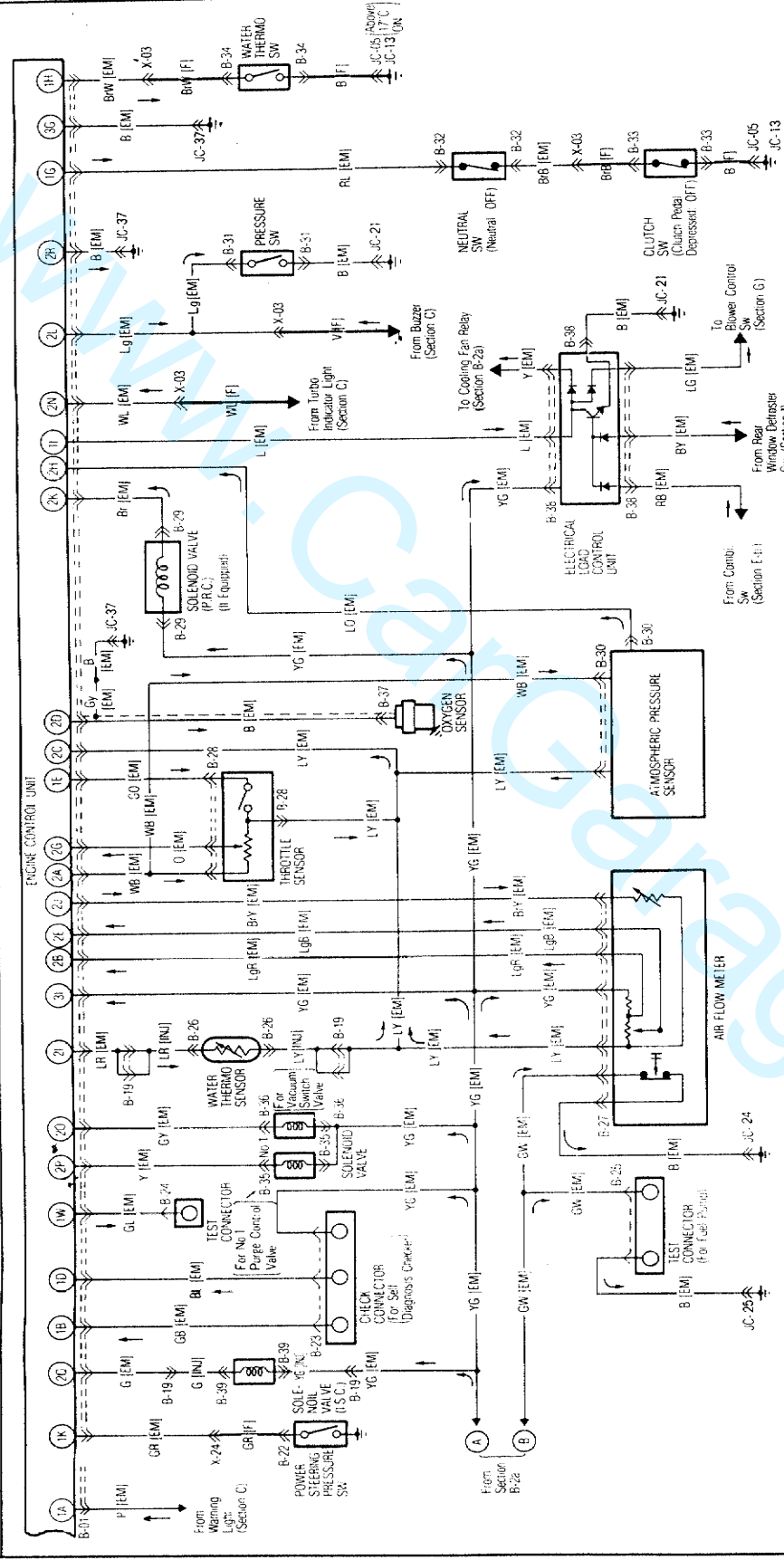




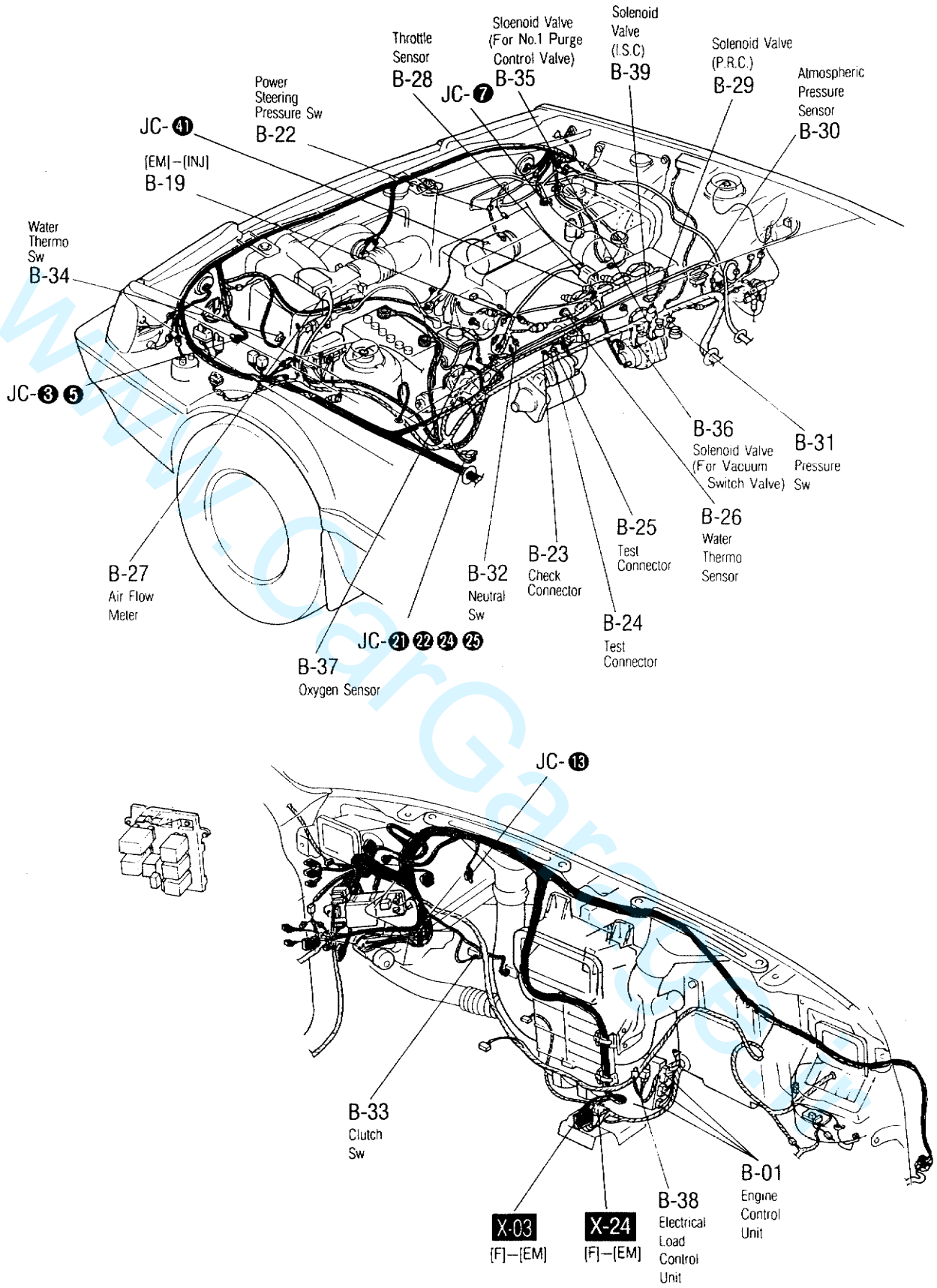
ENGINE & FUEL CONTROL SYSTEM  
For Turbo With 4WD

B-2b

Note: \* No. (1)-(2)



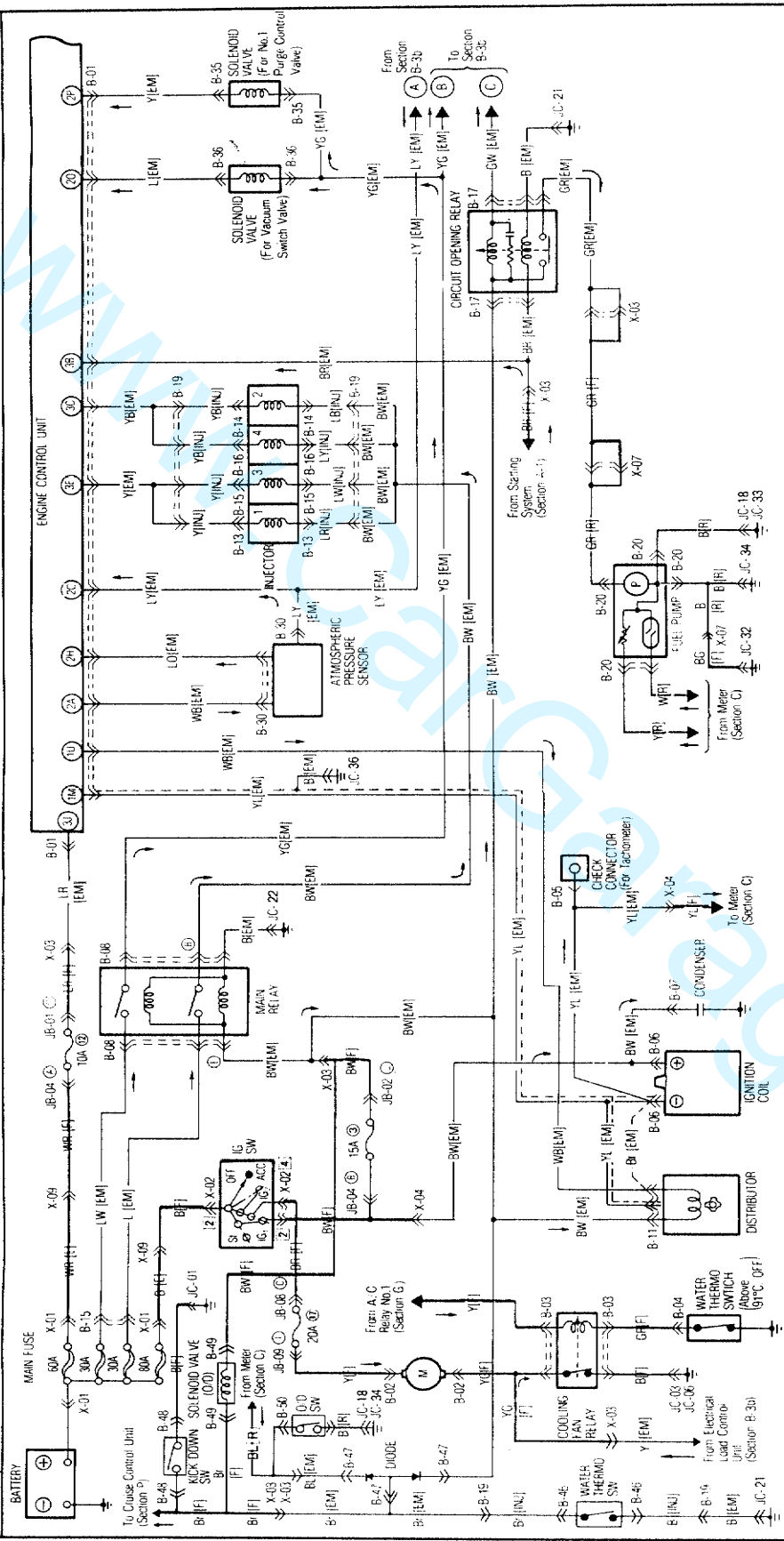
<p>B-01 Engine Control Unit [EM]</p>	<p>B-19 Connector Between Emission [EM] and Injector [INU] Harness</p>	<p>B-22 Power Steering Pressure Sw [F]</p>	<p>B-23 Check Connector [EM]</p>	<p>B-24 Test Connector [EM]</p>	<p>B-25 Test Connector [EM]</p>
<p>B-34 Water Thermo Sw [F]</p>	<p>B-36 Solenoid Valve [EM] (For No. 1 Purge Control Valve)</p>	<p>B-26 Water Thermo Sensor [INU]</p>	<p>B-27 Air Flow Meter [EM]</p>	<p>B-28 Throttle Sensor [EM]</p>	<p>B-29 Solenoid Valve (P.R.C.) [EM]</p>
<p>B-37 Oxygen Sensor [EM]</p>	<p>B-30 Atmospheric Pressure Sensor [EM]</p>	<p>B-30 Atmospheric Pressure Sensor [EM]</p>	<p>B-31 Pressure Sw [EM]</p>	<p>B-32 Neutral Sw [EM]</p>	<p>B-33 Clutch Sw [F]</p>
<p>B-38 Electrical Load Control Unit [EM] (For No. 1 Purge Control Valve)</p>	<p>B-38 Electrical Load Control Unit [EM] (For No. 1 Purge Control Valve)</p>	<p>B-38 Electrical Load Control Unit [EM] (For No. 1 Purge Control Valve)</p>	<p>B-38 Electrical Load Control Unit [EM] (For No. 1 Purge Control Valve)</p>	<p>B-38 Electrical Load Control Unit [EM] (For No. 1 Purge Control Valve)</p>	<p>B-38 Electrical Load Control Unit [EM] (For No. 1 Purge Control Valve)</p>



50 WIRING DIAGRAM

For Non Turbo

- IGNITION SYSTEM
- ENGINE & FUEL CONTROL SYSTEM
- COOLING FAN SYSTEM
- 4AT CONTROL SYSTEM



B-01 Engine Control Unit [EM]	Y WB X VL GR L RL G0 X LGF	Y G B Y YB B	B-02 Cooling Fan Maker [F]	Y VG	B-03 Cooling Fan Relay [F]	X VG Y B X GR	B-04 Water Thermo Sw [F]	GR
B-05 Check Connector [EM]	YL		B-13 Injector No 1 [INJ]	Y	B-14 Injector No 2 [INJ]	YB YL LB B X GR	B-15 Injector No 3 [INJ]	Y-LV
B-16 Injector No 4 [INJ]	YB YL		B-30 Atmospheric Pressure Sensor [EM]	Not Used → YG LY	B-35 Solenoid Valve [EM] (For No.1 Purge Control Valve)	Y YG	B-19 Connector Between Emission [EM] and Injector [INJ] Harness	YB LY LB YB LY Y YB LY B YB LY B
B-36 Solenoid Valve [EM] (For Vacuum Switch Valve)	YB YL		B-46 Water Thermo Sw [F]	BL B BW	B-49 Solenoid Valve (O.D) [F]	BL BW	B-50 O.D Sw [F]	BL BW

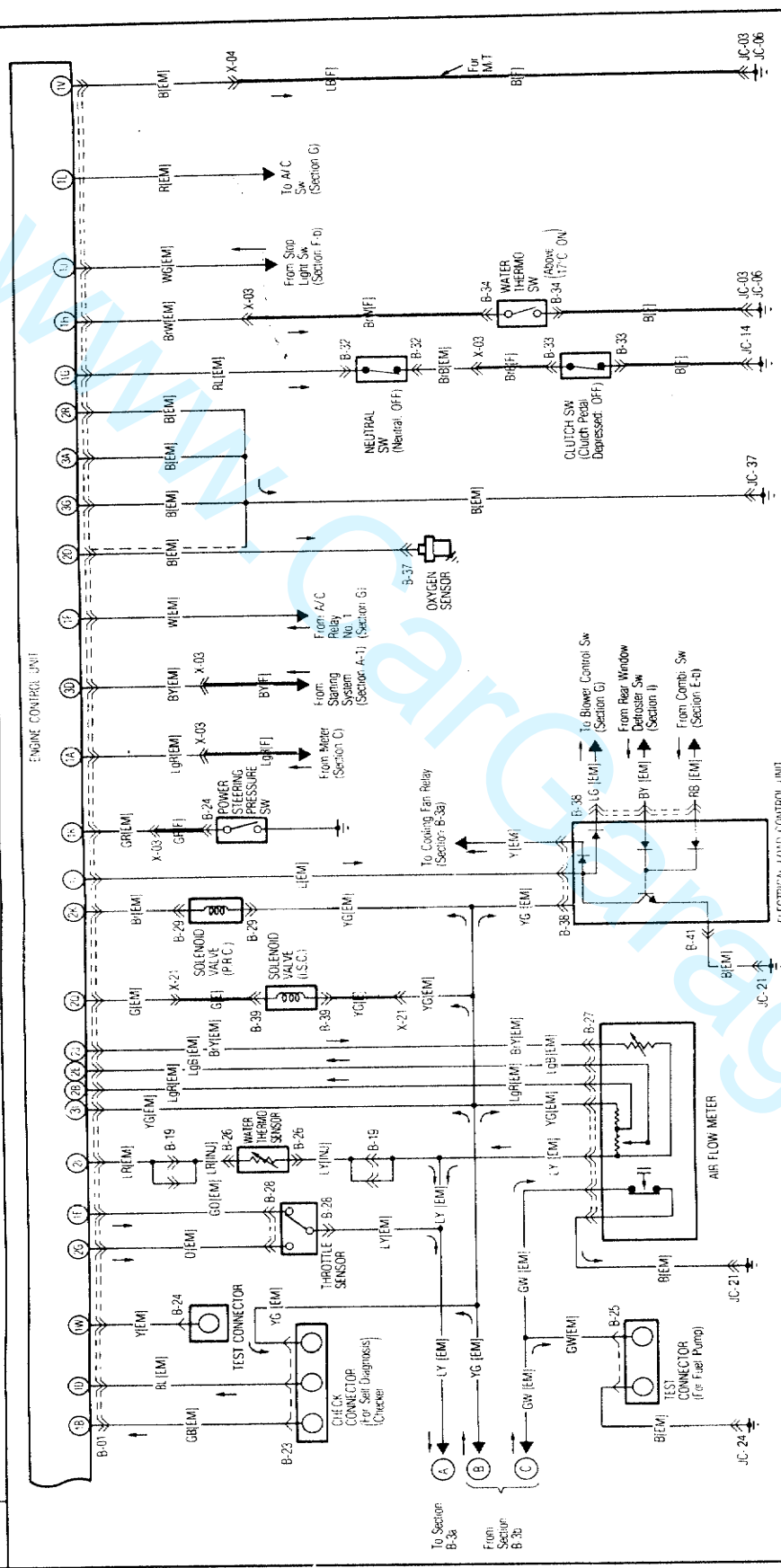




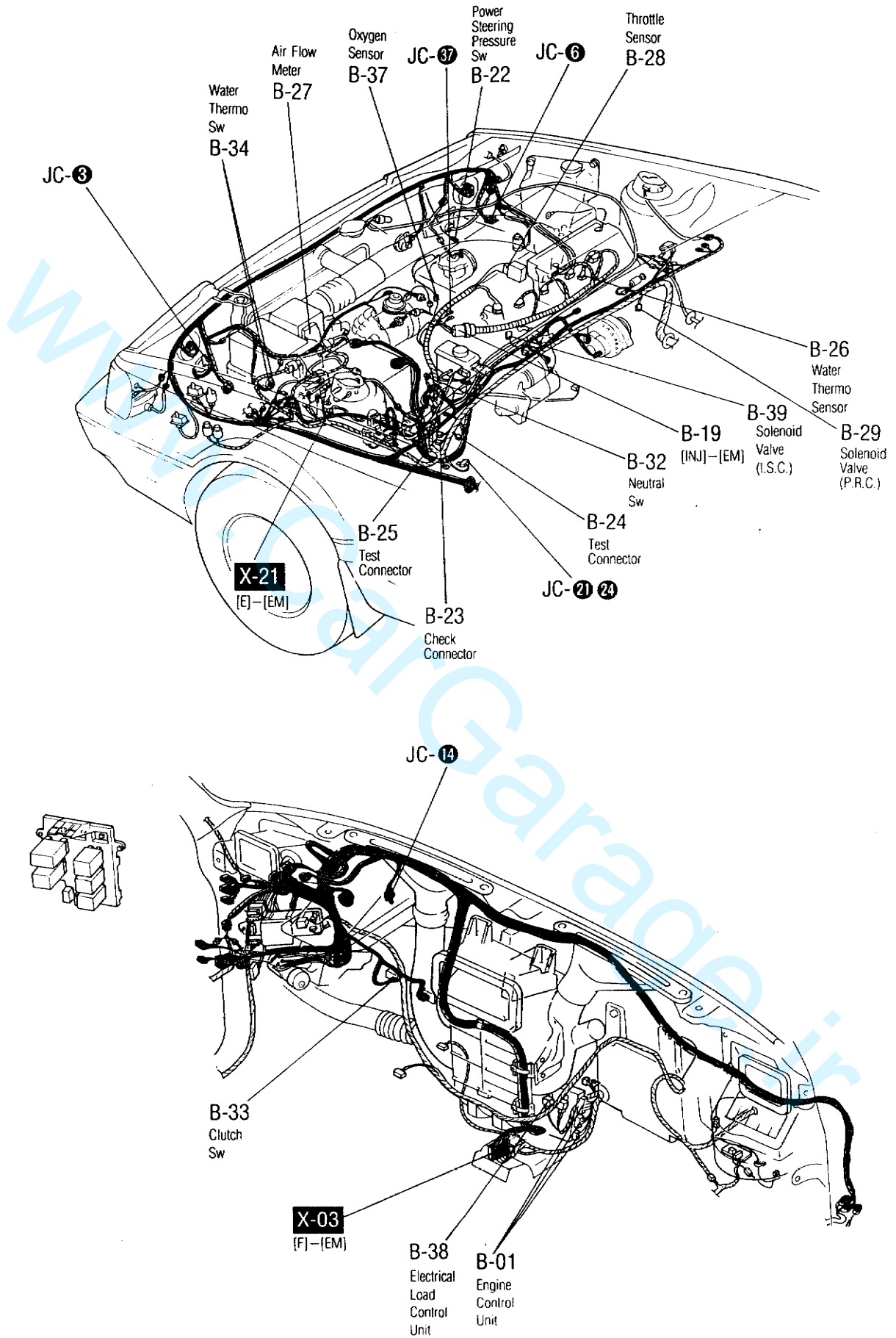
For Non Turbo ■ ENGINE & FUEL CONTROL SYSTEM

B-3b

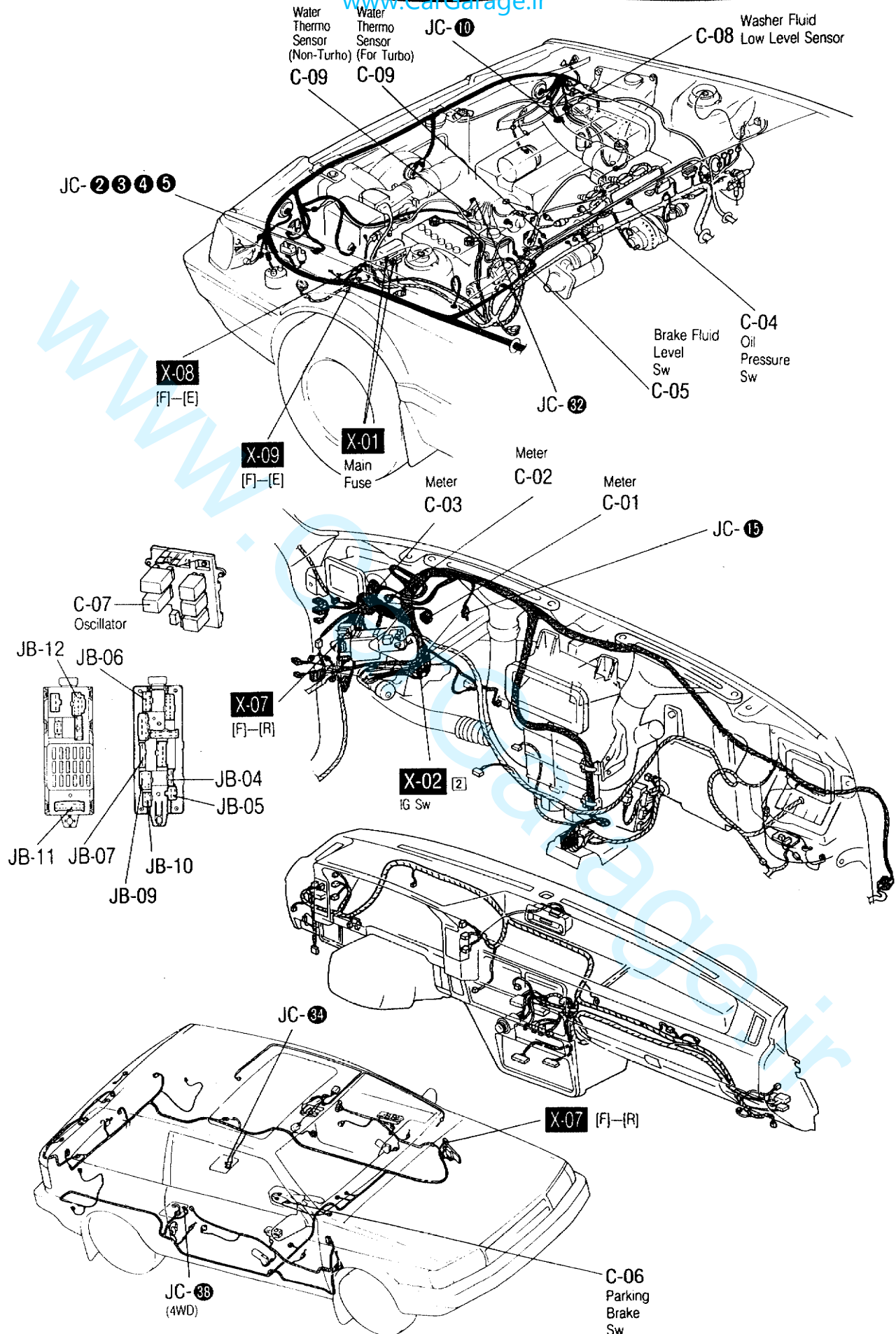
NOTE \* Not Used



<p>B-01 Engine Control Unit [EM]</p>	<p>B-19 Connector Between Emission [EM] And Injector [INJ] Harness</p>	<p>B-23 Check Connector [EM]</p>	<p>B-22 Power Steering Pressure Sw [F]</p>	<p>B-25 Test Connector [EM]</p>	<p>B-24 Test Connector [EM]</p>	<p>B-27 Air Flow Meter [EM]</p>	<p>B-25 Test Connector [EM]</p>
<p>B-02 Electrical (Load Control Unit) [EM]</p>	<p>B-19 Connector Between Emission [EM] And Injector [INJ] Harness</p>	<p>B-23 Check Connector [EM]</p>	<p>B-22 Power Steering Pressure Sw [F]</p>	<p>B-25 Test Connector [EM]</p>	<p>B-24 Test Connector [EM]</p>	<p>B-27 Air Flow Meter [EM]</p>	<p>B-25 Test Connector [EM]</p>
<p>B-03 Electrical (Load Control Unit) [EM]</p>	<p>B-19 Connector Between Emission [EM] And Injector [INJ] Harness</p>	<p>B-23 Check Connector [EM]</p>	<p>B-22 Power Steering Pressure Sw [F]</p>	<p>B-25 Test Connector [EM]</p>	<p>B-24 Test Connector [EM]</p>	<p>B-27 Air Flow Meter [EM]</p>	<p>B-25 Test Connector [EM]</p>
<p>B-04 Electrical (Load Control Unit) [EM]</p>	<p>B-19 Connector Between Emission [EM] And Injector [INJ] Harness</p>	<p>B-23 Check Connector [EM]</p>	<p>B-22 Power Steering Pressure Sw [F]</p>	<p>B-25 Test Connector [EM]</p>	<p>B-24 Test Connector [EM]</p>	<p>B-27 Air Flow Meter [EM]</p>	<p>B-25 Test Connector [EM]</p>
<p>B-05 Electrical (Load Control Unit) [EM]</p>	<p>B-19 Connector Between Emission [EM] And Injector [INJ] Harness</p>	<p>B-23 Check Connector [EM]</p>	<p>B-22 Power Steering Pressure Sw [F]</p>	<p>B-25 Test Connector [EM]</p>	<p>B-24 Test Connector [EM]</p>	<p>B-27 Air Flow Meter [EM]</p>	<p>B-25 Test Connector [EM]</p>
<p>B-06 Electrical (Load Control Unit) [EM]</p>	<p>B-19 Connector Between Emission [EM] And Injector [INJ] Harness</p>	<p>B-23 Check Connector [EM]</p>	<p>B-22 Power Steering Pressure Sw [F]</p>	<p>B-25 Test Connector [EM]</p>	<p>B-24 Test Connector [EM]</p>	<p>B-27 Air Flow Meter [EM]</p>	<p>B-25 Test Connector [EM]</p>
<p>B-07 Electrical (Load Control Unit) [EM]</p>	<p>B-19 Connector Between Emission [EM] And Injector [INJ] Harness</p>	<p>B-23 Check Connector [EM]</p>	<p>B-22 Power Steering Pressure Sw [F]</p>	<p>B-25 Test Connector [EM]</p>	<p>B-24 Test Connector [EM]</p>	<p>B-27 Air Flow Meter [EM]</p>	<p>B-25 Test Connector [EM]</p>
<p>B-08 Electrical (Load Control Unit) [EM]</p>	<p>B-19 Connector Between Emission [EM] And Injector [INJ] Harness</p>	<p>B-23 Check Connector [EM]</p>	<p>B-22 Power Steering Pressure Sw [F]</p>	<p>B-25 Test Connector [EM]</p>	<p>B-24 Test Connector [EM]</p>	<p>B-27 Air Flow Meter [EM]</p>	<p>B-25 Test Connector [EM]</p>
<p>B-09 Electrical (Load Control Unit) [EM]</p>	<p>B-19 Connector Between Emission [EM] And Injector [INJ] Harness</p>	<p>B-23 Check Connector [EM]</p>	<p>B-22 Power Steering Pressure Sw [F]</p>	<p>B-25 Test Connector [EM]</p>	<p>B-24 Test Connector [EM]</p>	<p>B-27 Air Flow Meter [EM]</p>	<p>B-25 Test Connector [EM]</p>
<p>B-10 Electrical (Load Control Unit) [EM]</p>	<p>B-19 Connector Between Emission [EM] And Injector [INJ] Harness</p>	<p>B-23 Check Connector [EM]</p>	<p>B-22 Power Steering Pressure Sw [F]</p>	<p>B-25 Test Connector [EM]</p>	<p>B-24 Test Connector [EM]</p>	<p>B-27 Air Flow Meter [EM]</p>	<p>B-25 Test Connector [EM]</p>





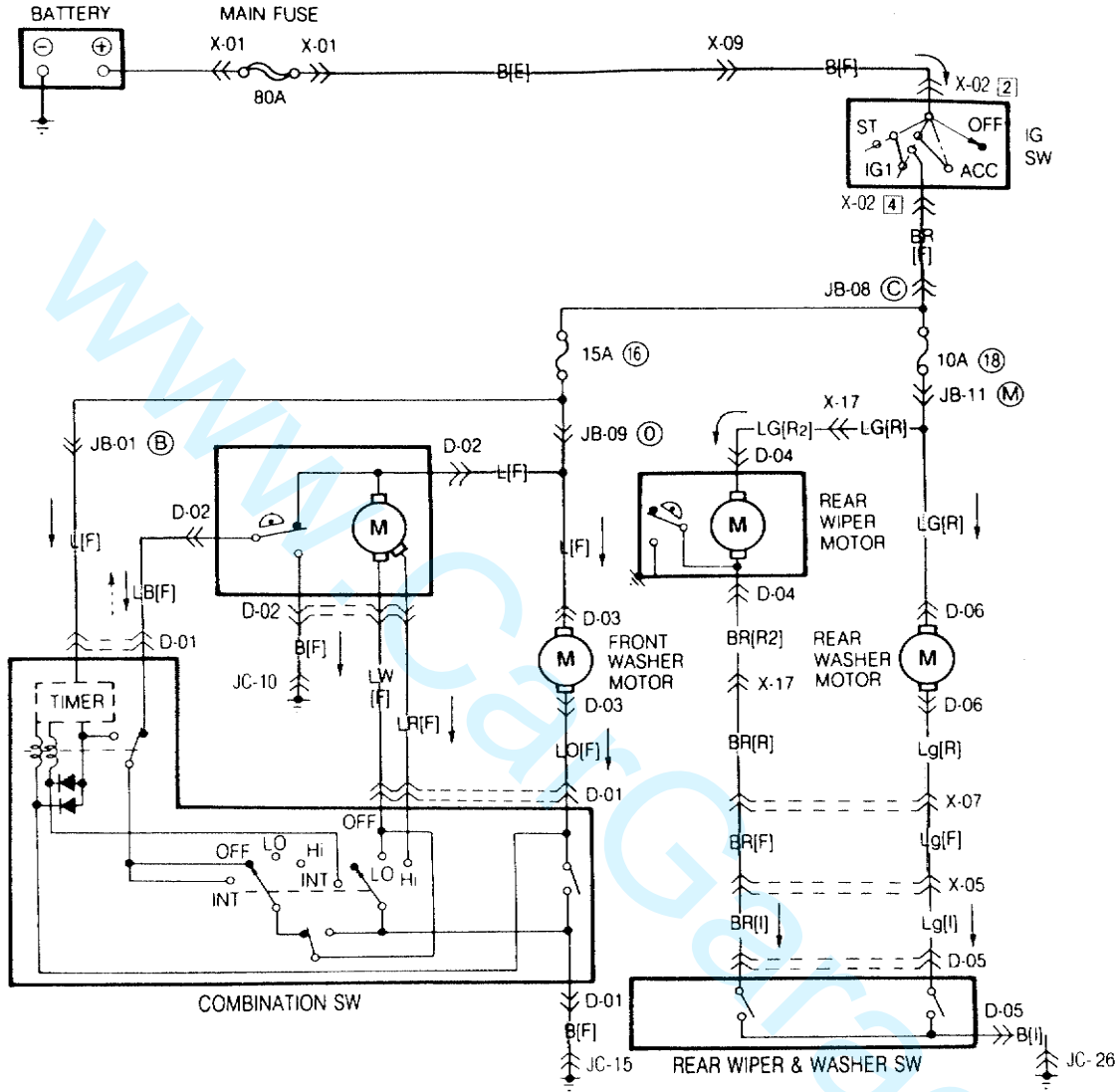




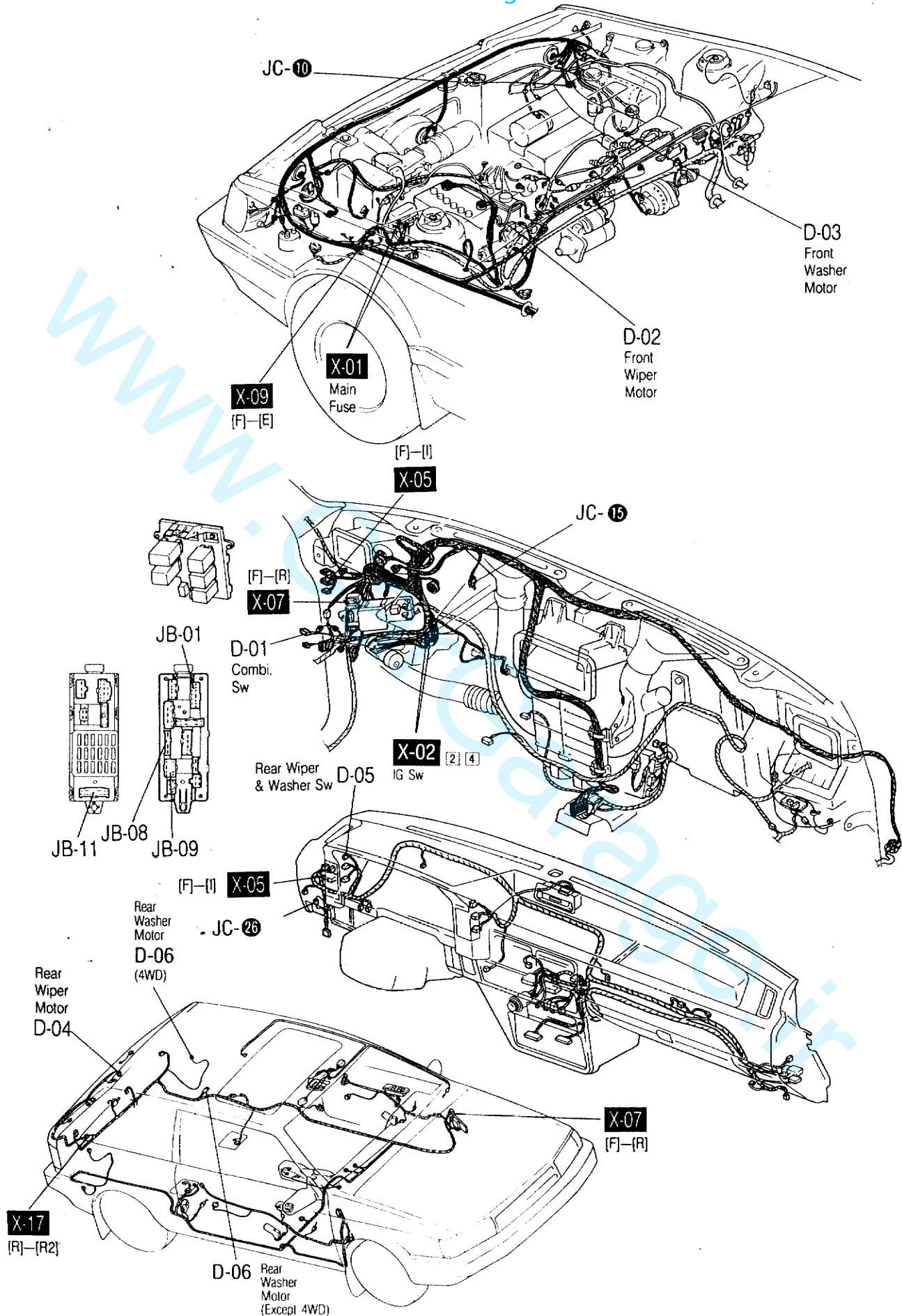
**D**

■ FRONT WIPER & WASHER  
■ REAR WIPER & WASHER (3 & 5 Door)

Note: \* ... Not Used



<p>D-01 Combination Sw [F]</p>	<p>D-02 Front Wiper Motor [F]</p>	<p>D-03 Front Washer Motor [F]</p>	<p>D-04 Rear Wiper Motor [R2]</p>
<p>D-05 Rear Wiper &amp; Washer Sw [I]</p>	<p>D-06 Rear Washer Motor [R]</p>		

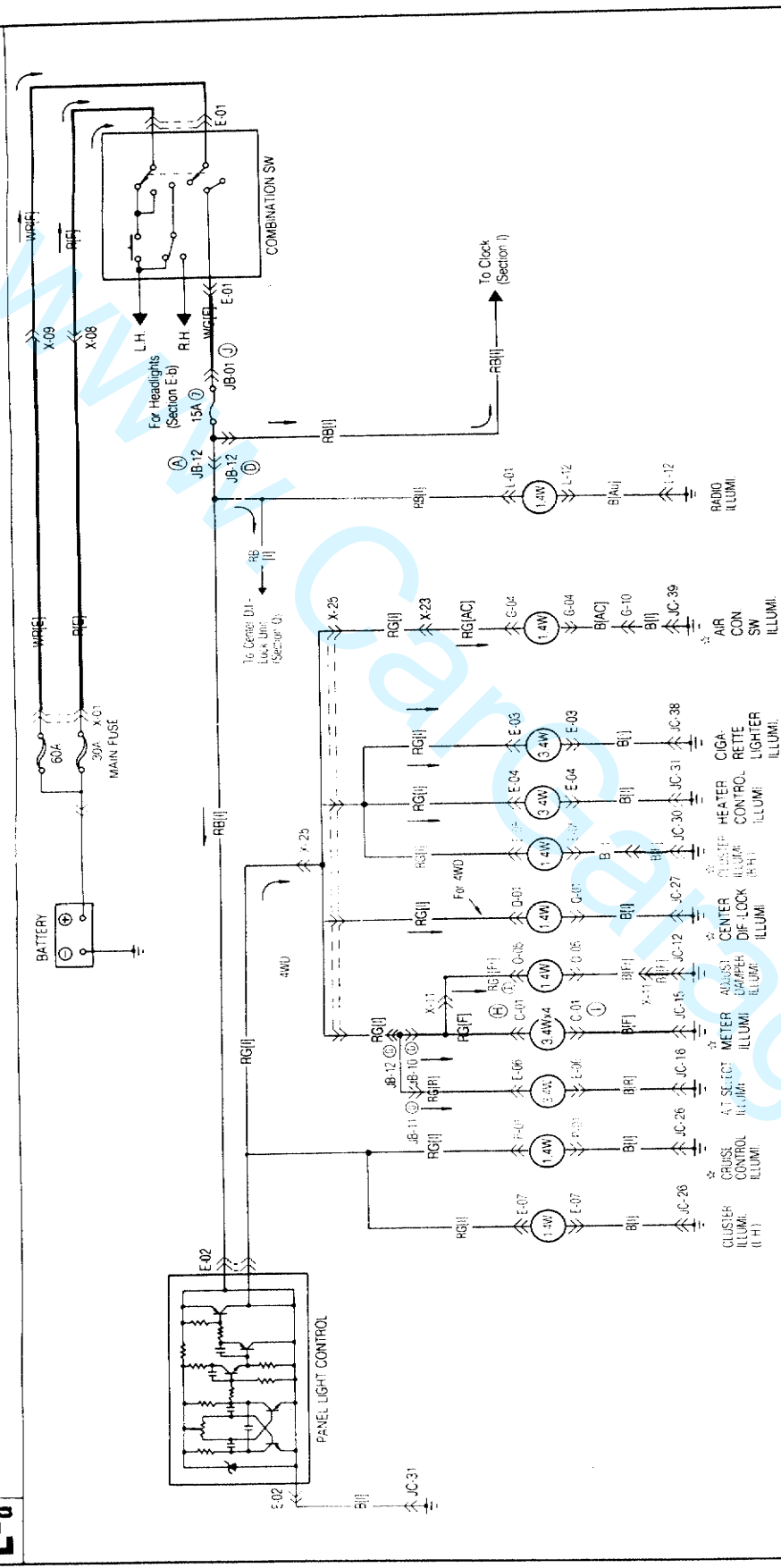




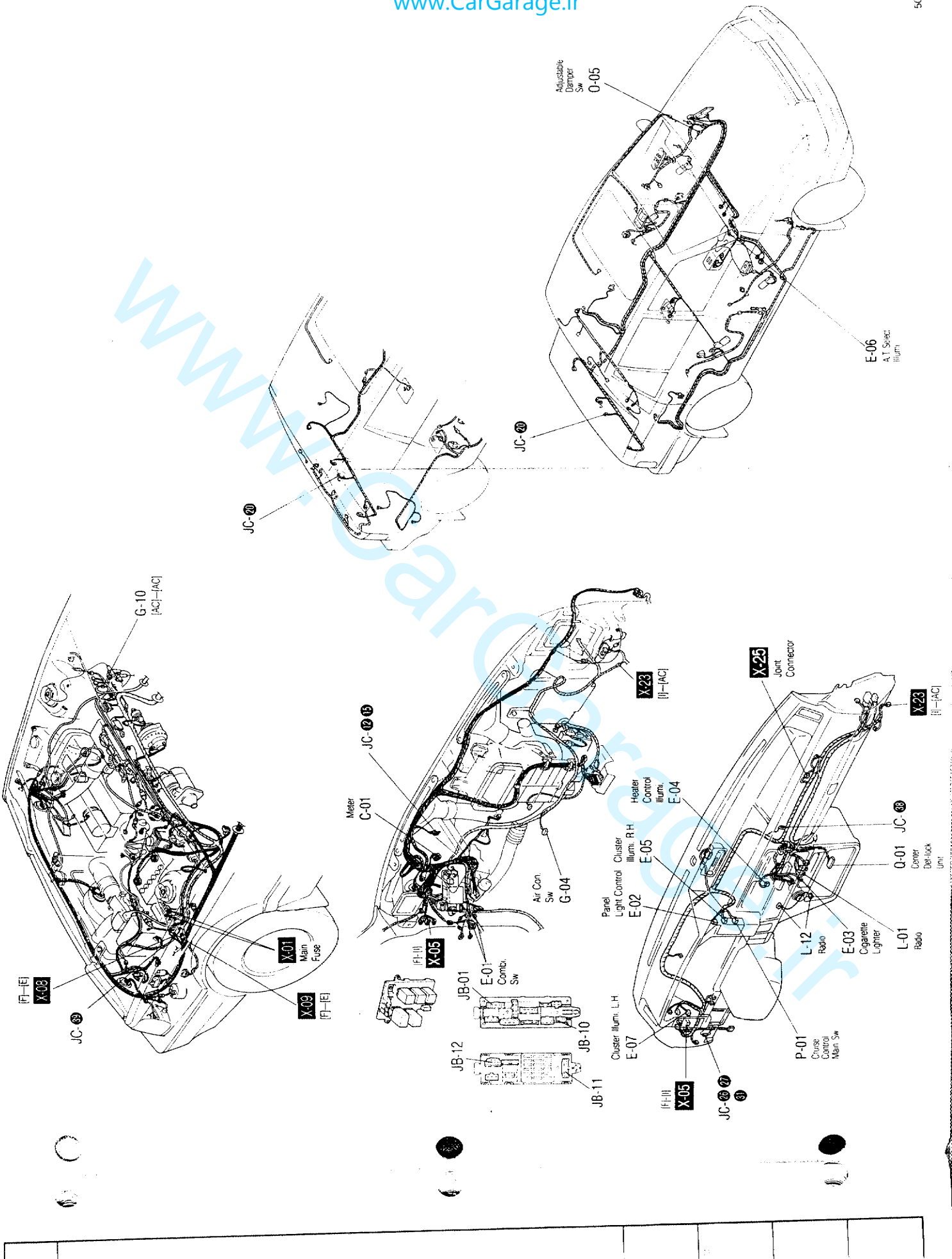
50 WIRING DIAGRAM (WIRING SCHEMATIC) FRONT ENGINE (E) ILLUMINATION LIGHT CONTROL SYSTEM

E-a ILLUMINATION LIGHT CONTROL SYSTEM

Note: 1. See illustration in each system for J.B.01



<p>E-01 Combination Sw (F)</p>	<p>E-02 Panel Light Control (I)</p>	<p>E-03 Cigarette Lighter illum. (I)</p>	<p>E-04 Heater Control illum. (I)</p>	<p>E-05 Cluster illum. R.H. (I)</p>	<p>E-06 A-1 Select Illum. (R)</p>	<p>E-07 Cluster Illum. L.H. (I)</p>
<p>E-02 Air Con Sw (F)</p>	<p>5-10 Connector Between Air Con (AC) &amp; Air Con (AC) Terminals</p>	<p>Radio (I)</p>	<p>Radio (I)</p>	<p>Radio (I)</p>	<p>Radio (I)</p>	<p>Radio (I)</p>
<p>0-01 Center Dif-Lock Unit (I)</p>	<p>0-03 Center Dif-Lock Illum. (I)</p>	<p>0-04 Heater Control Illum. (I)</p>	<p>0-05 Cluster Illum. R.H. (I)</p>	<p>0-06 A-1 Select Illum. (R)</p>	<p>0-07 Cluster Illum. L.H. (I)</p>	<p>0-08 Abus. Damper Sw (F)</p>

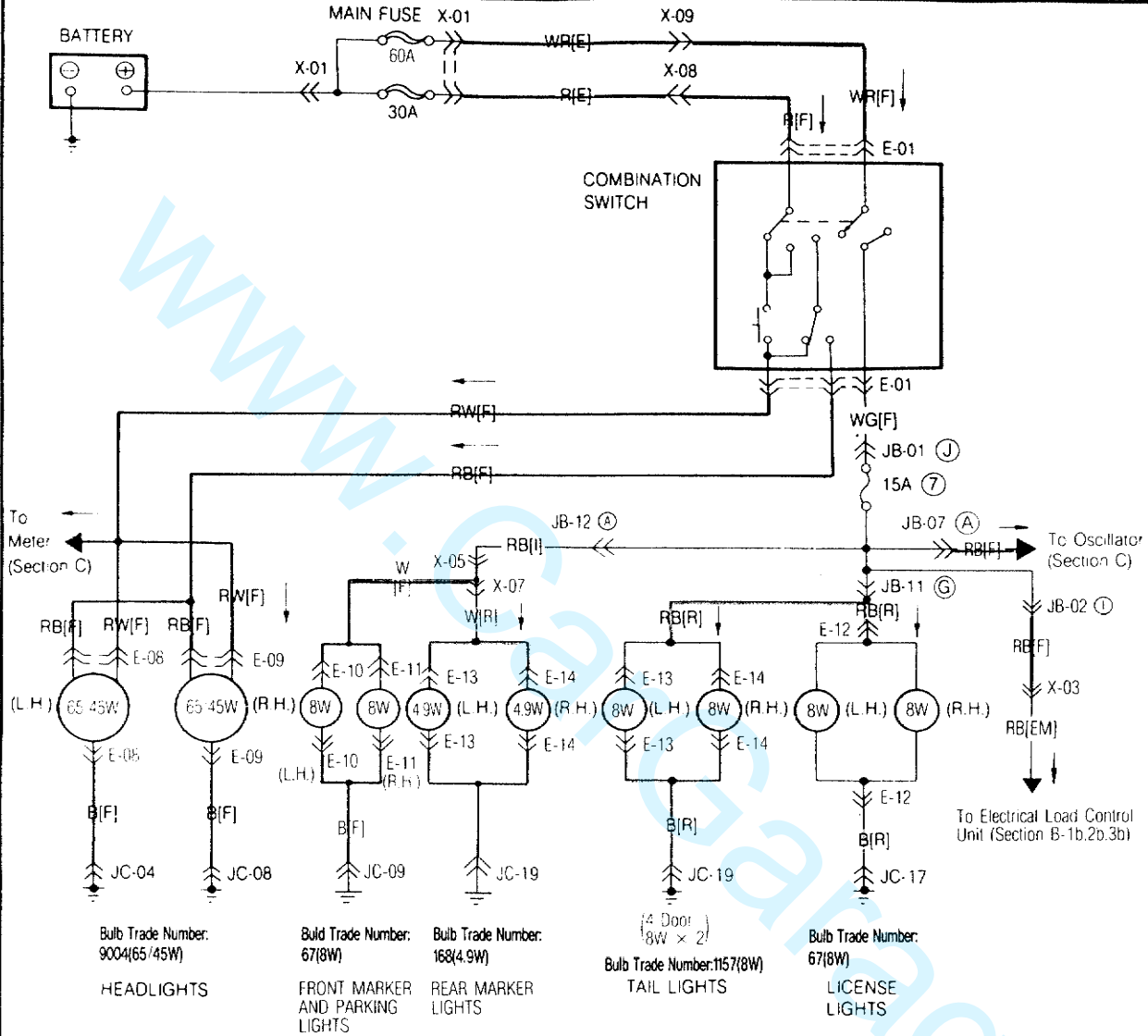


E-b

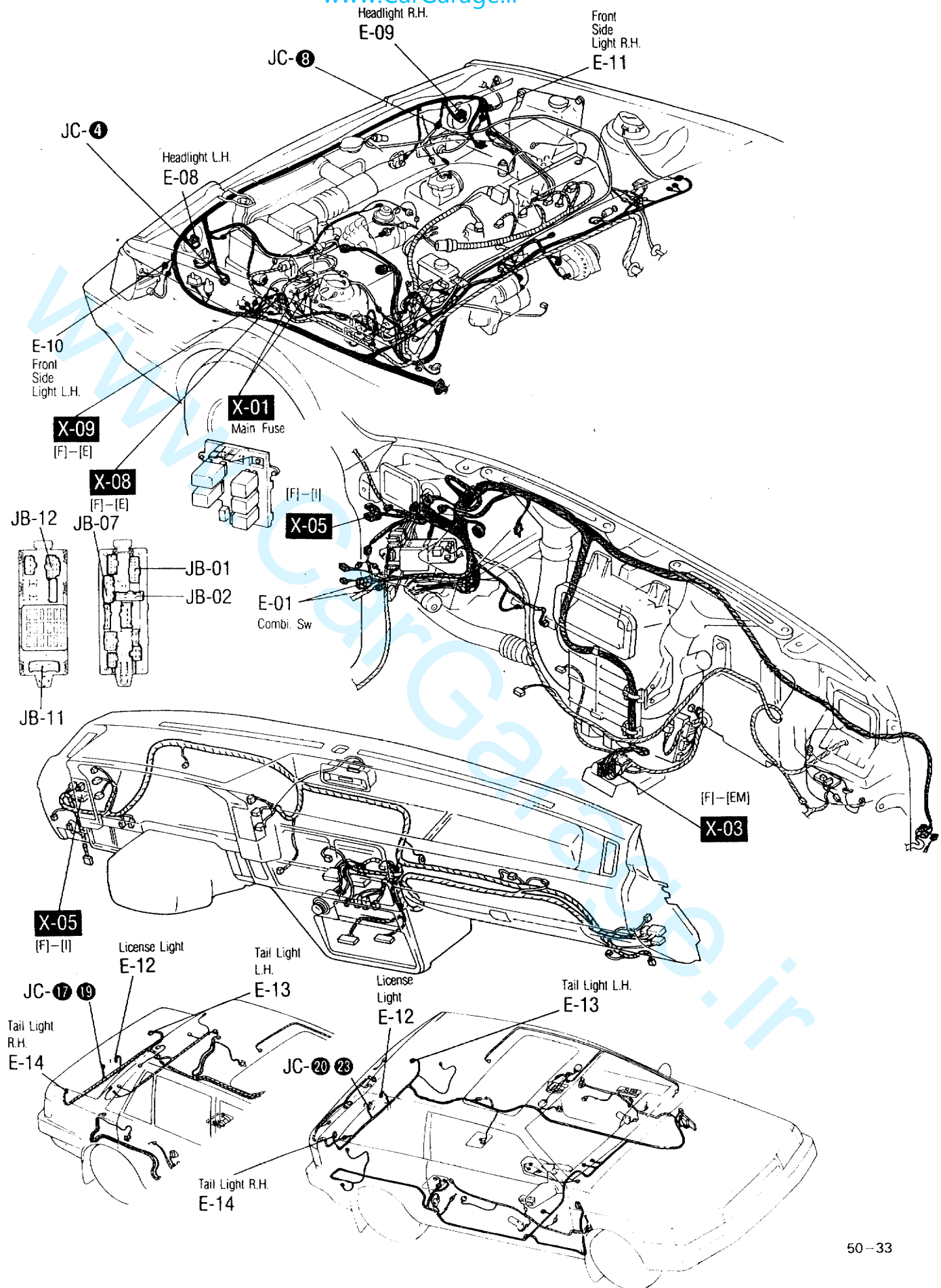
- FRONT MARKER LIGHTS
- PARKING LIGHTS
- TAIL LIGHTS

- LICENSE LIGHTS
- HEADLIGHTS
- REAR MARKER LIGHTS

Note:  
\* ... Not Used

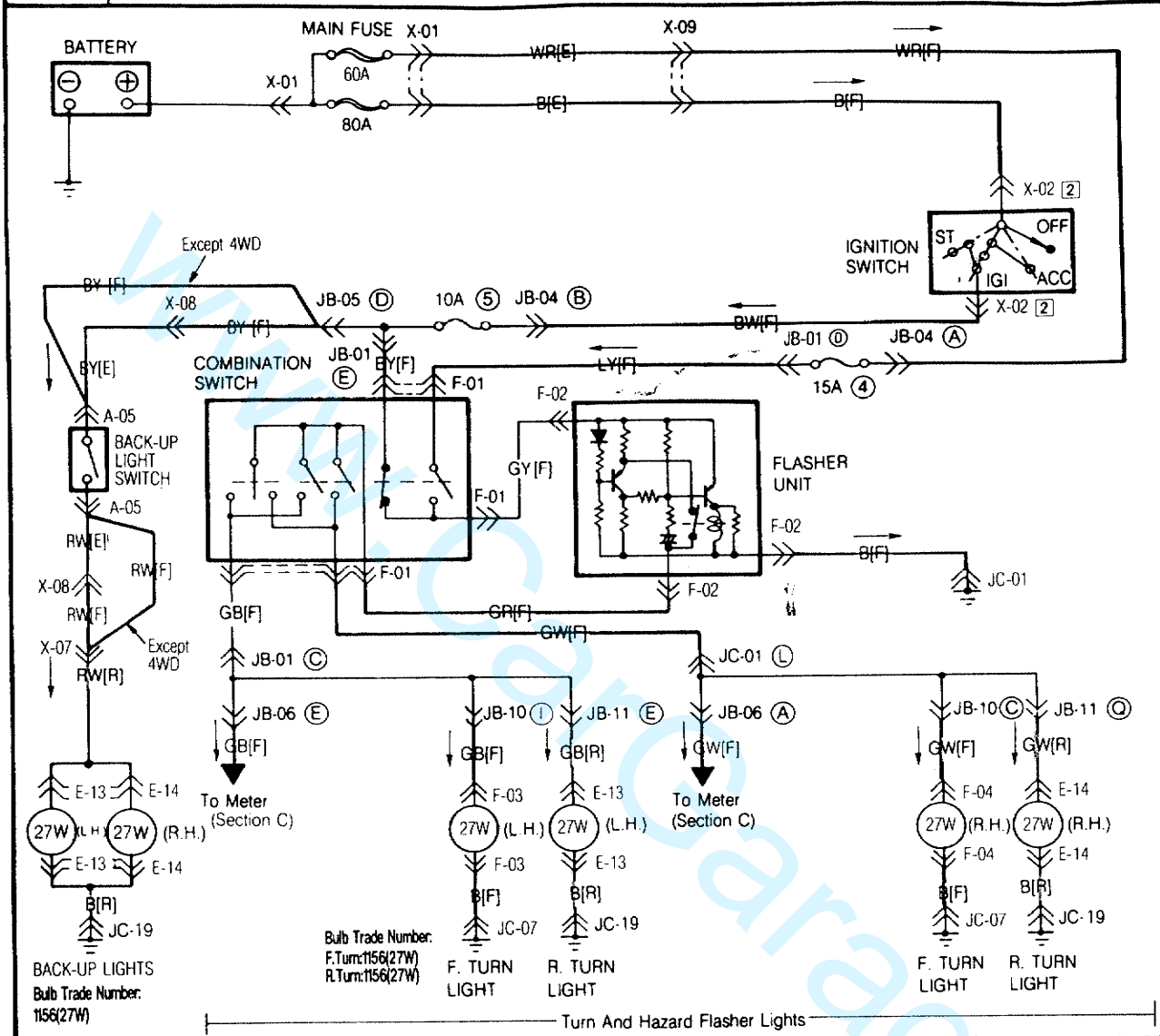


<p>E-01 Combination Switch [F]</p>	<p>WR [E] R</p>	<p>E-08 Headlight L.H. [F]</p>	<p>E-09 Headlight R.H. [F]</p>
<p>E-10 F. Comb. Light L.H. [F]</p>	<p>E-11 F. Comb. Light R.H. [F]</p>	<p>E-12 License Light [R]</p>	<p>E-13 R. Comb. Light L.H. [R]</p>
<p>E-14 R. Comb. Light R.H. [R]</p>			



**F-a** ■ BACK-UP LIGHTS  
 ■ TURN & HAZARD FLASHER LIGHTS

Note: ✕ .... Not Used



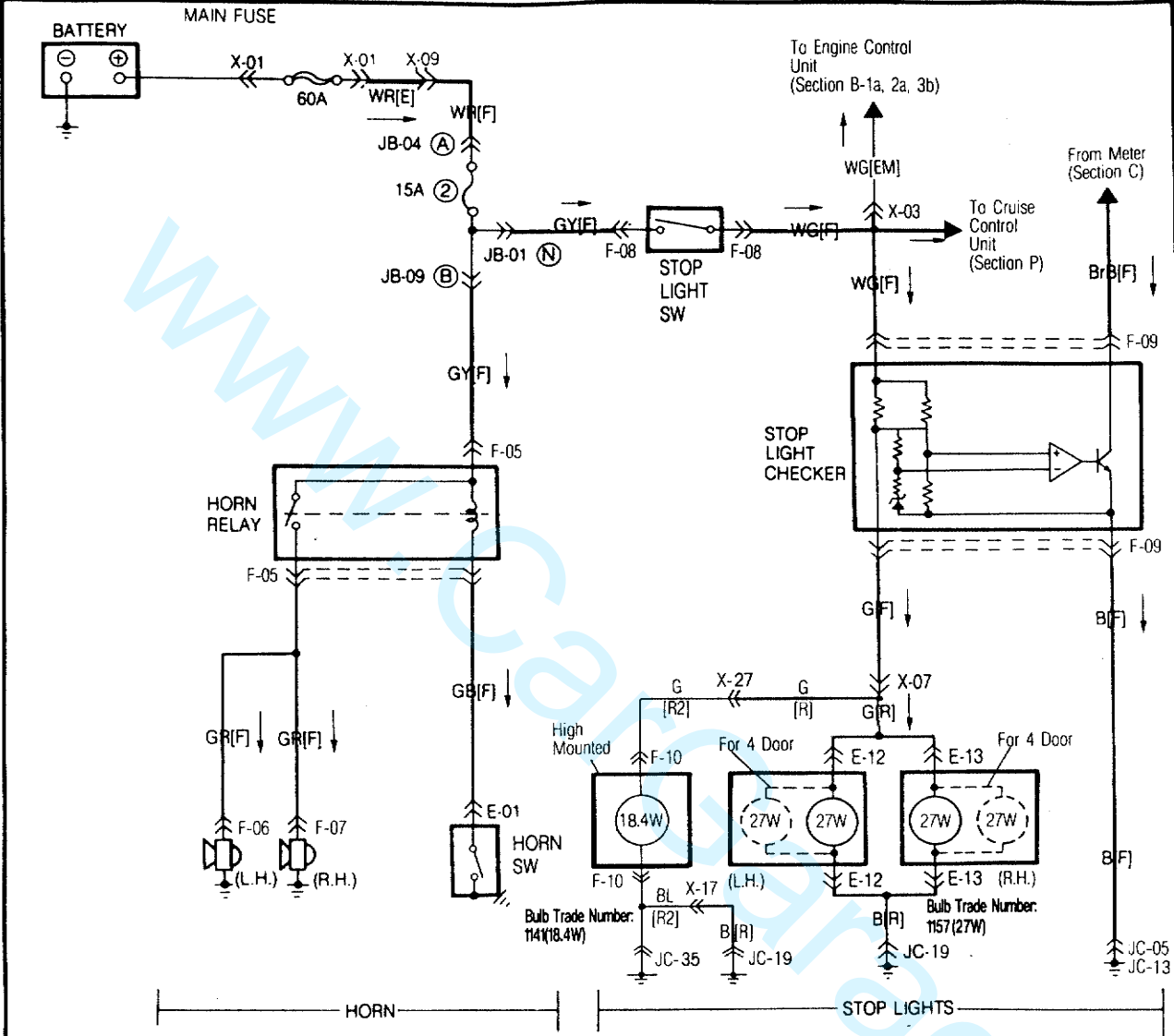
<p>F-01 Combination Switch [F]</p> <p>GB BY GY LY                    GR GW ✕ ✕</p>	<p>F-02 Flasher Unit [F]</p> <p>B — GY                    — GR</p>	<p>F-03 Front Turn Light L.H. [F]</p> <p>— GB                    — B</p>	<p>F-04 Front Turn Light R.H. [F]</p> <p>— GW                    — B</p>
<p>A-05 Back-Up Light Sw [F], [E]</p> <p>BY BY                    RW BR</p>	<p>BY BY                    RW BR (4WD)</p>	<p>E-13 Rear Combi. Light L.H. [R]</p> <p>W RW GB                    B RB G</p>	<p>E-14 Rear Combi. Light R.H. [R]</p> <p>W RW GW                    B RB G</p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>



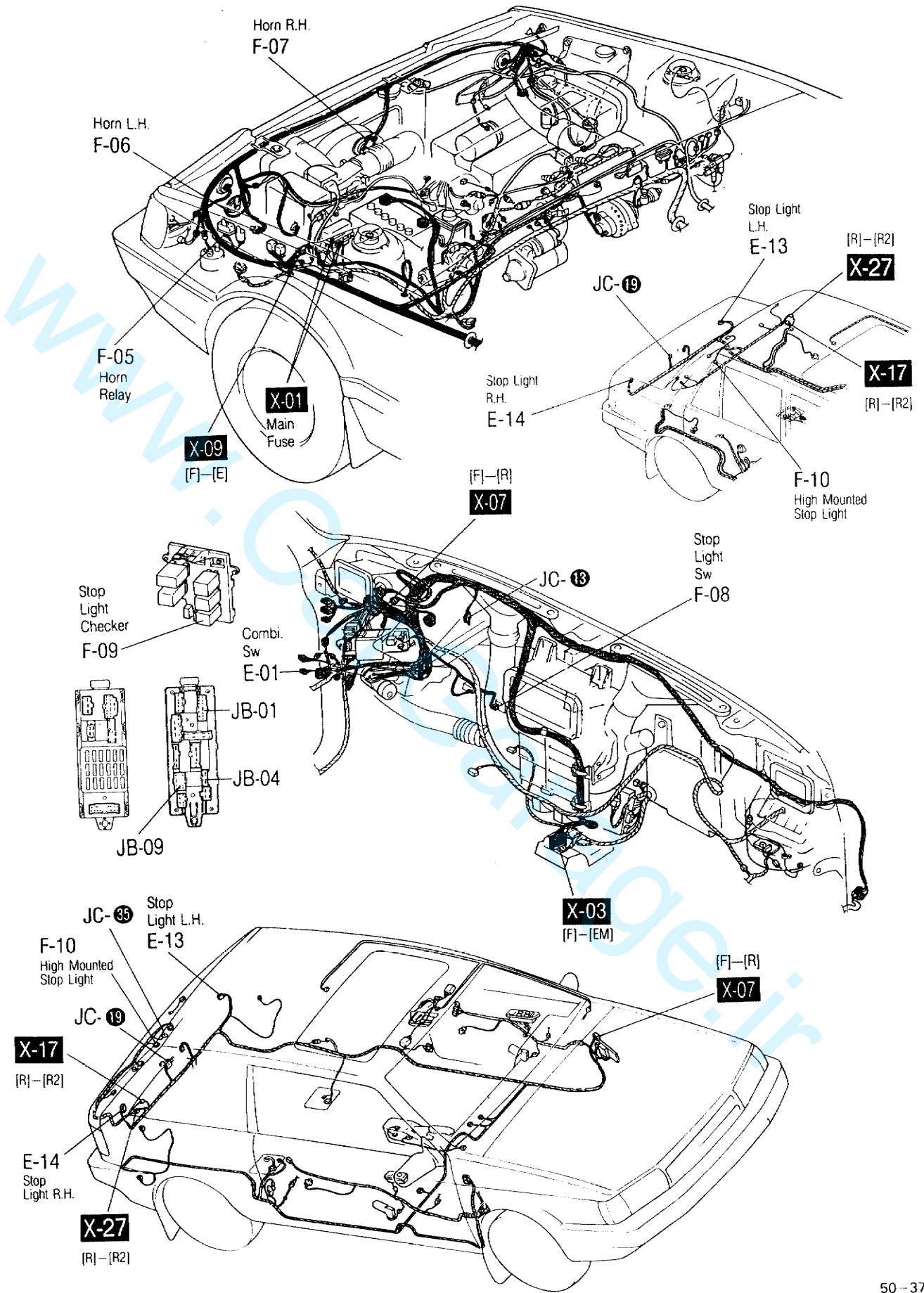


# F-b ■ HORN ■ STOP LIGHTS

Note: \* ... Not Used

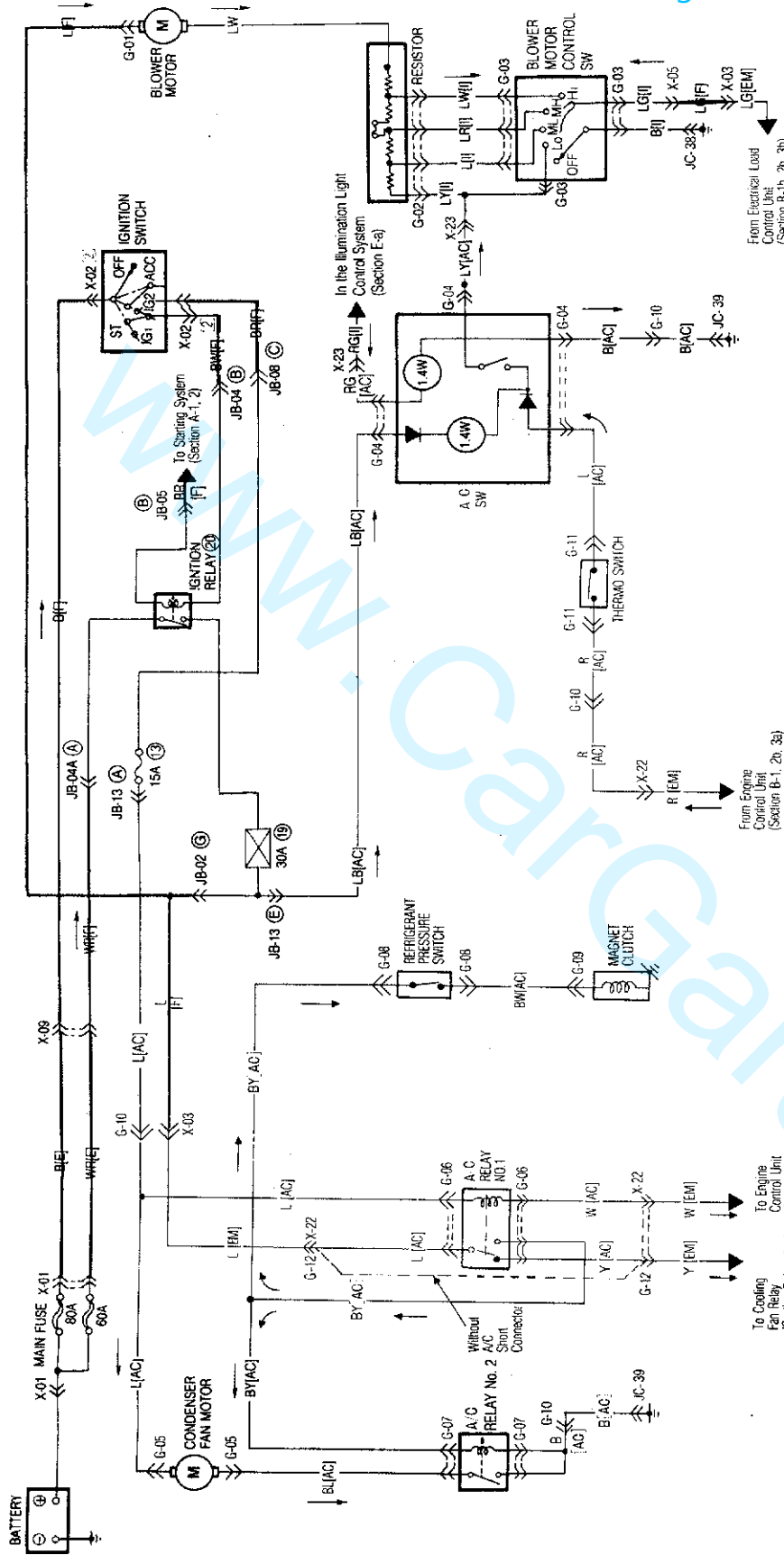


<p>F-05 Horn Relay [F]</p>	<p>F-06 Horn L.H. [F]</p>	<p>F-07 Horn R.H. [F]</p>	<p>F-08 Stop Light Sw [F]</p>
<p>F-09 Stop Light Checker [F]</p>	<p>F-10 High Mounted Stop Light [R2]</p> <p>(3&amp;5 Door) (4 Door)</p>	<p>E-01 Combination Sw [F]</p>	<p>E-13 R. Combi. Light L.H. [R]</p>
<p>E-14 R. Combi. Light R.H. [R]</p>			

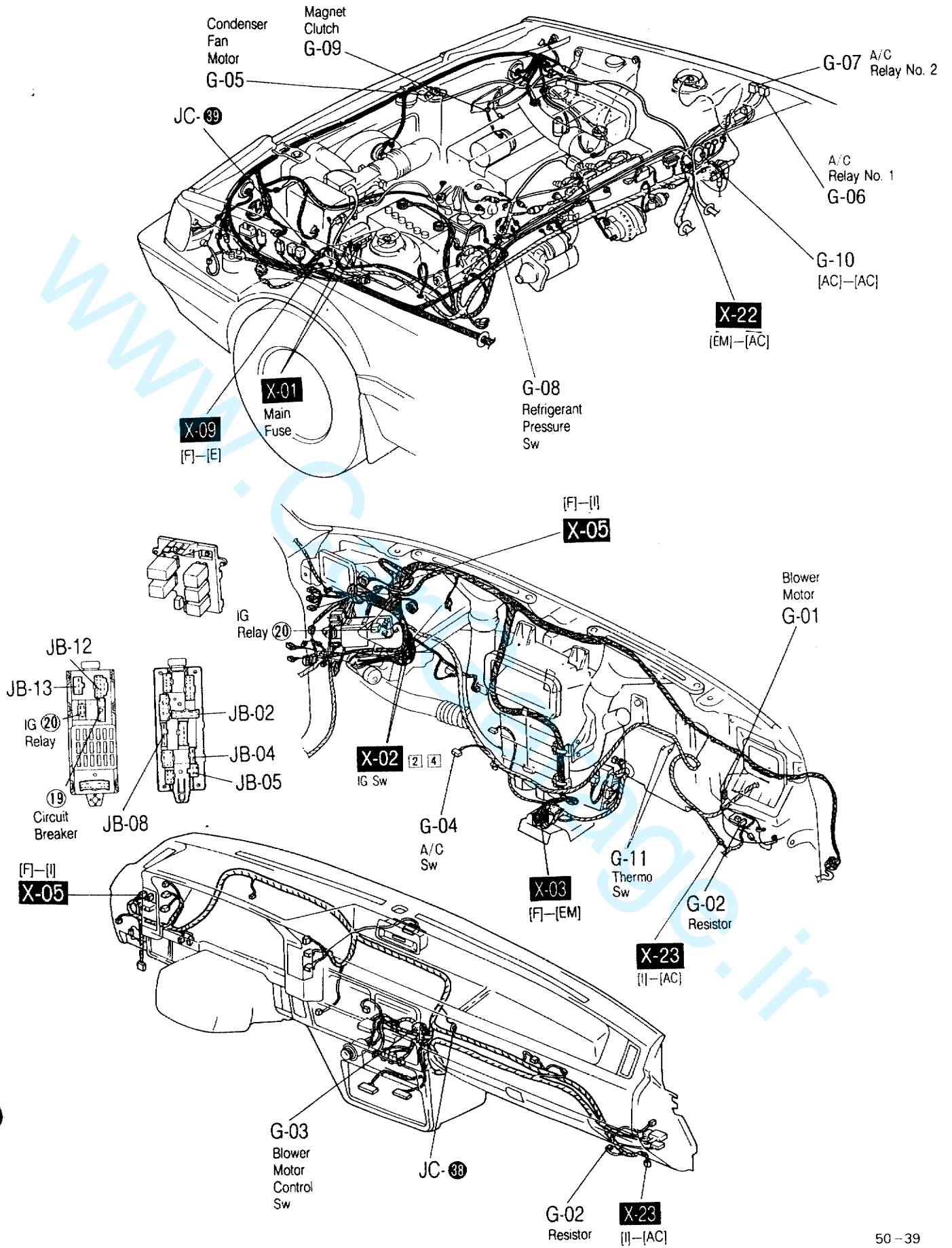


# G AIR CONDITIONER & HEATER

NOTE: \* Not Used



<p><b>G-01 Blower Motor [F]</b></p>	<p><b>G-02 Resistor [I]</b></p>	<p><b>G-03 Blower Motor Control Sw [I]</b></p>	<p><b>G-04 A/C Switch [AC]</b></p>	<p><b>G-05 Condenser Fan Motor [AC]</b></p>	<p><b>G-06 A/C Relay No. 1 [AC]</b></p>	<p><b>G-07 A/C Relay No. 2 [AC]</b></p>	<p><b>G-08 Refrigerant Pressure Switch</b></p>
<p><b>G-09 Magnet Clutch [AC]</b></p>	<p><b>G-10 Connector Between Air Con. [AC] and Air Con. [AC] Harness</b></p>	<p><b>G-11 Thermo Switch [AC]</b></p>	<p><b>G-12 Short Connector</b></p>	<p><b>Without A/C</b></p>	<p><b>From Engine Control Unit (Section B-1, 2b, 3a)</b></p>	<p><b>From Engine Control Unit (Section B-1, 2b, 3a)</b></p>	<p><b>From Engine Control Unit (Section B-1b, 2b, 3b)</b></p>

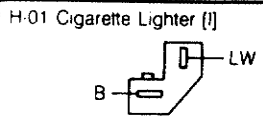
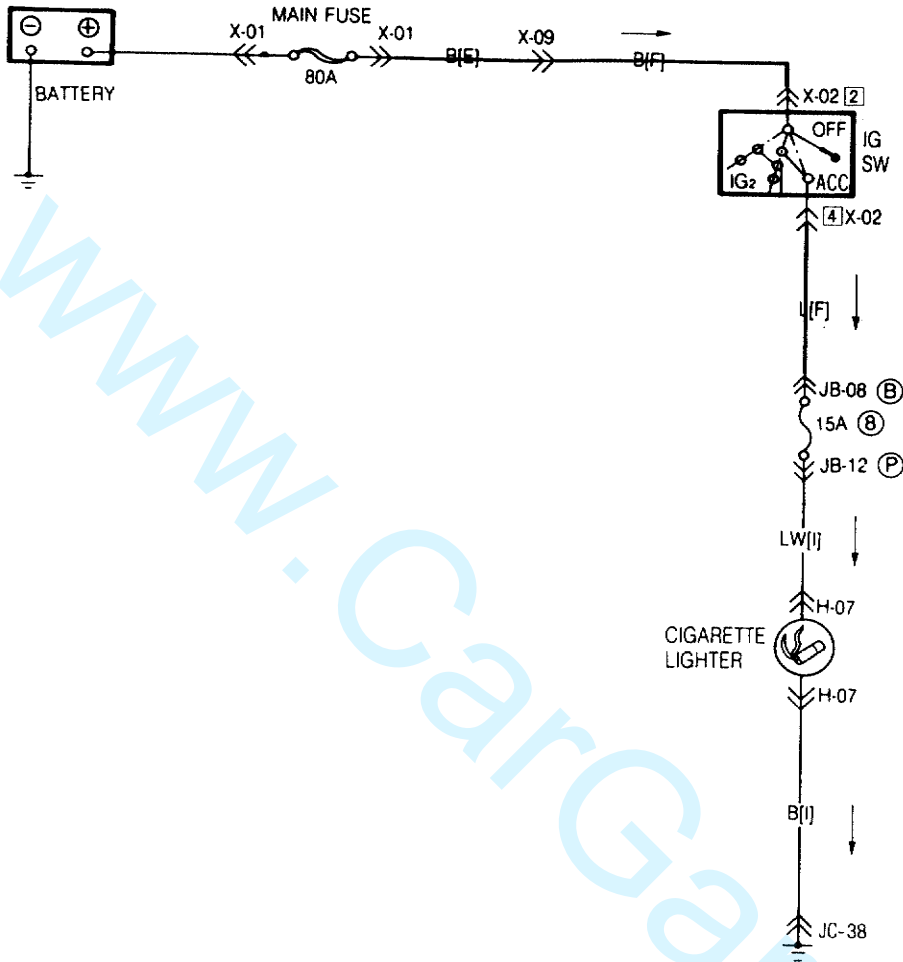




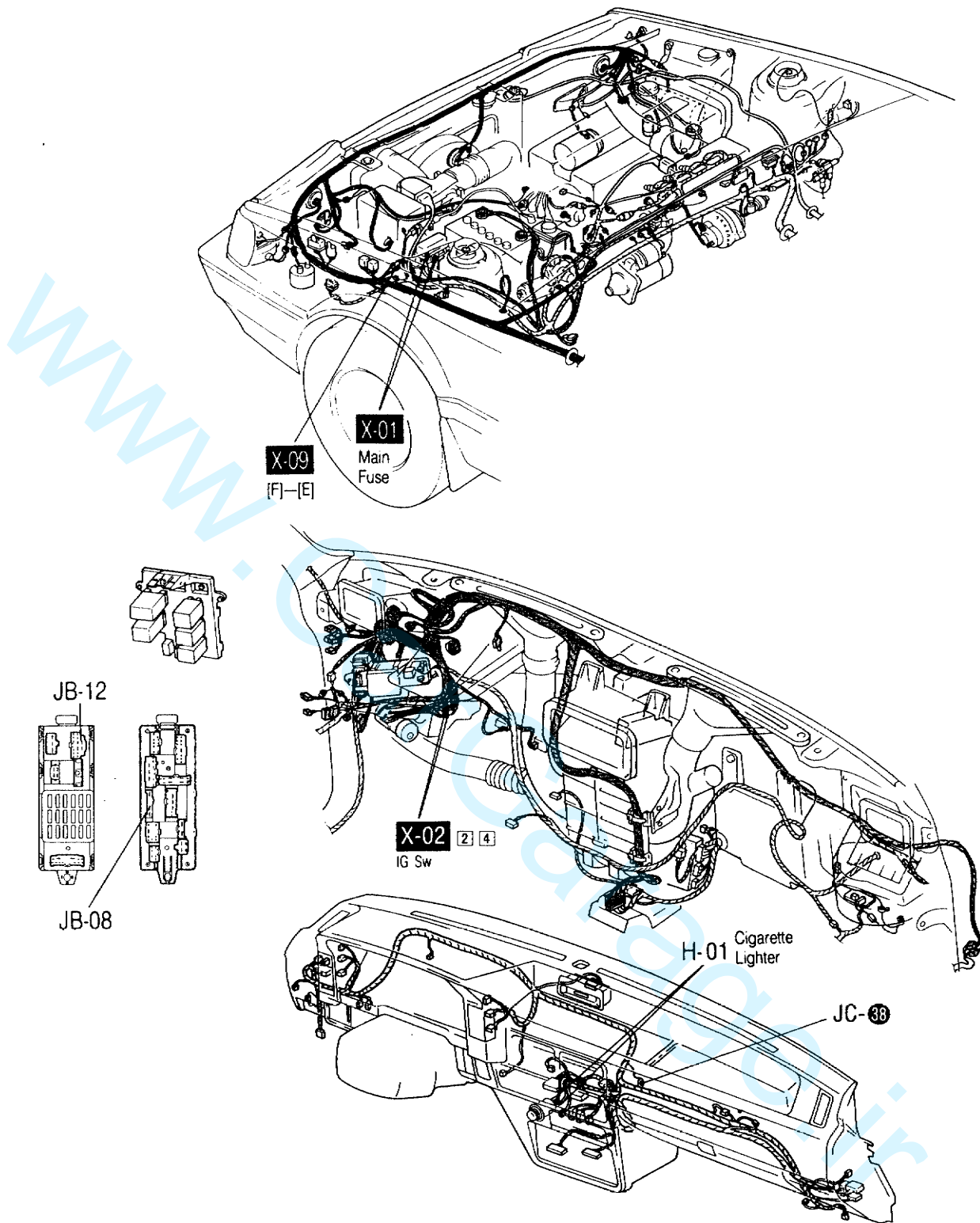
**H**

**■ CIGARETTE LIGHTER**

Note:  
× ...Not Used

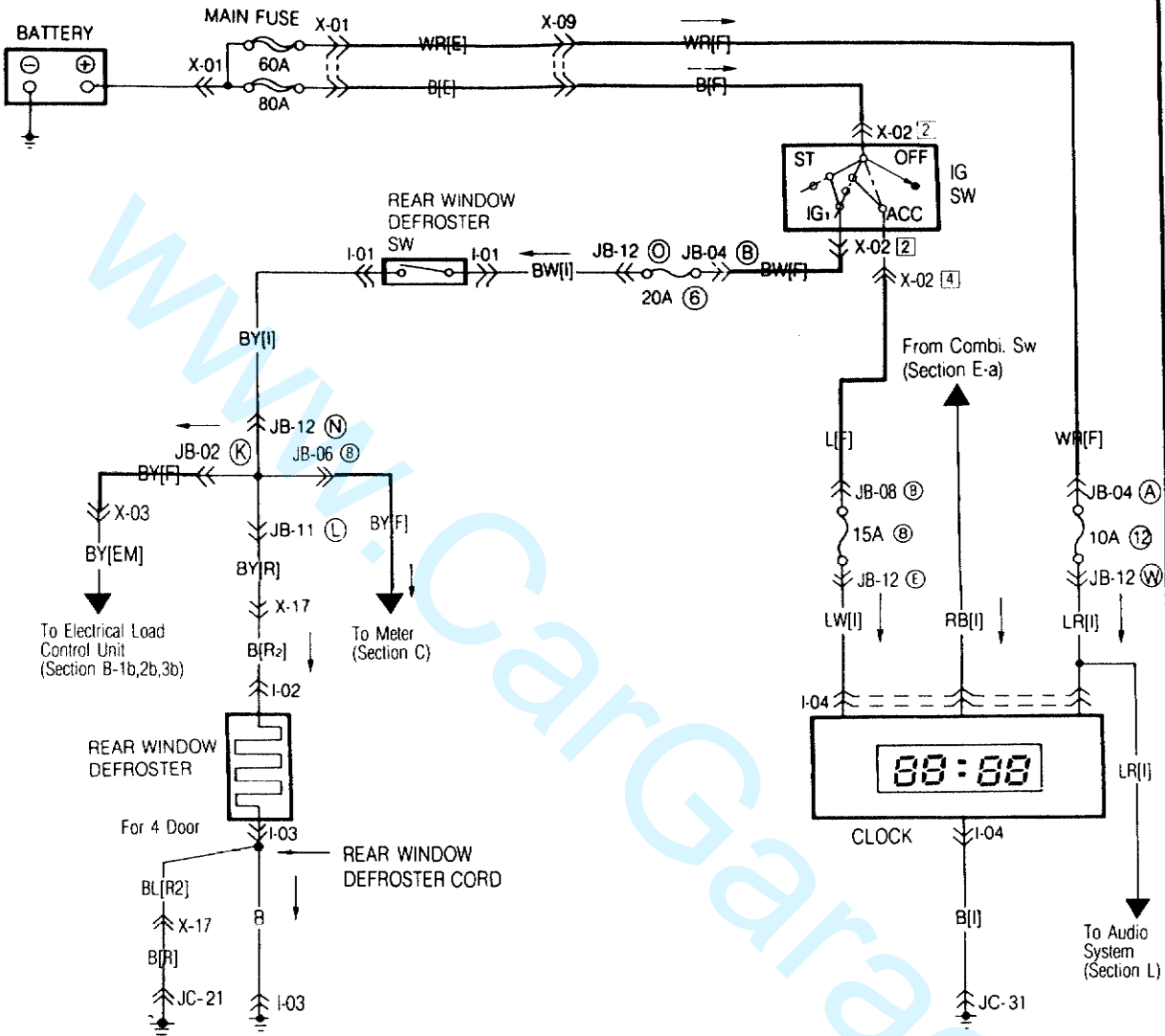


<p>H-01 Cigarette Lighter [I]</p>			

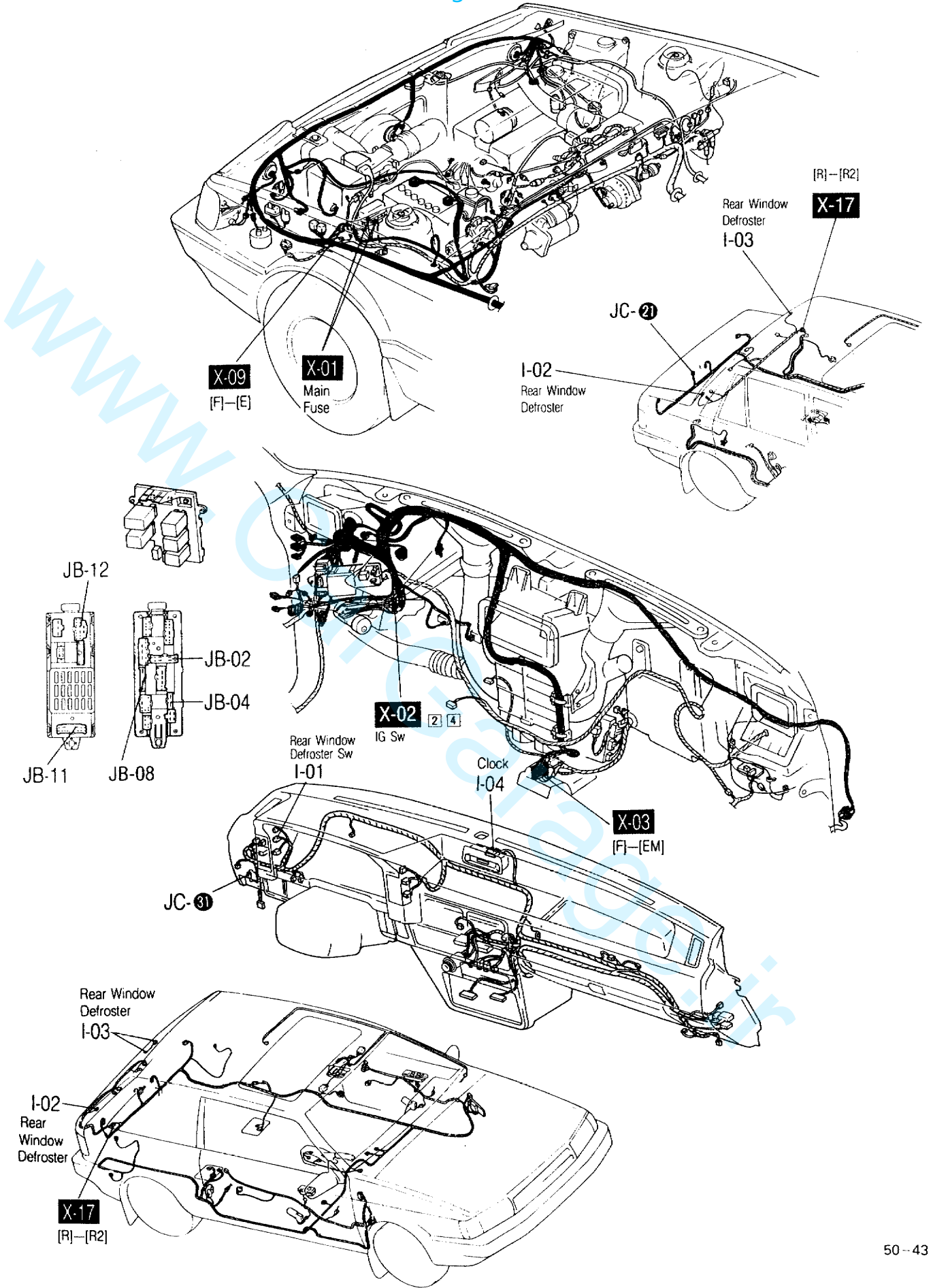


# DIGITAL CLOCK ■ REAR WINDOW DEFROSTER

Note:  
× ... Not Used



<p>I-01 Rear Window Def. Sw [I]</p>	<p>I-02 Rear Window Def. [R2]</p>	<p>I-03 Rear Window Def. Cord For 4 Door For 3 &amp; 5 Door</p>	<p>I-04 Clock [I]</p>



50 WIRING DIAGRAM

HARNESS, BODY FRONT BE — ENGINE B — REAR B —

Main Fuse X-01

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

80A

J ■ COURTESY LIGHTS ■ DOOR LOCK CYLINDER LIGHT ■ IGNITION KEY CYLINDER LIGHT ■ INTERIOR & SPOT LIGHTS ■ LUGGAGE COMPARTMENT LIGHT ■ SEAT BELT WARNING SYSTEM

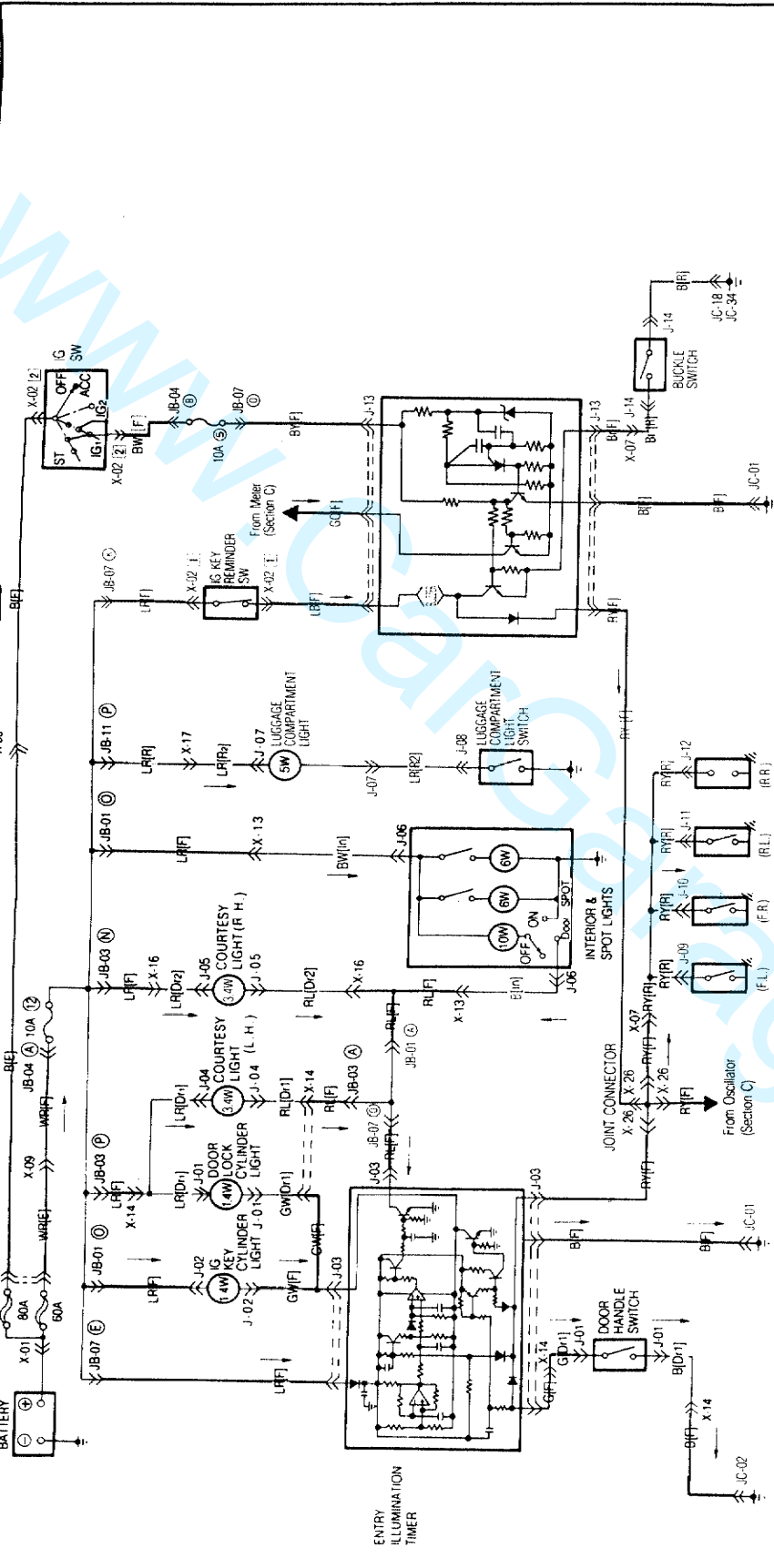
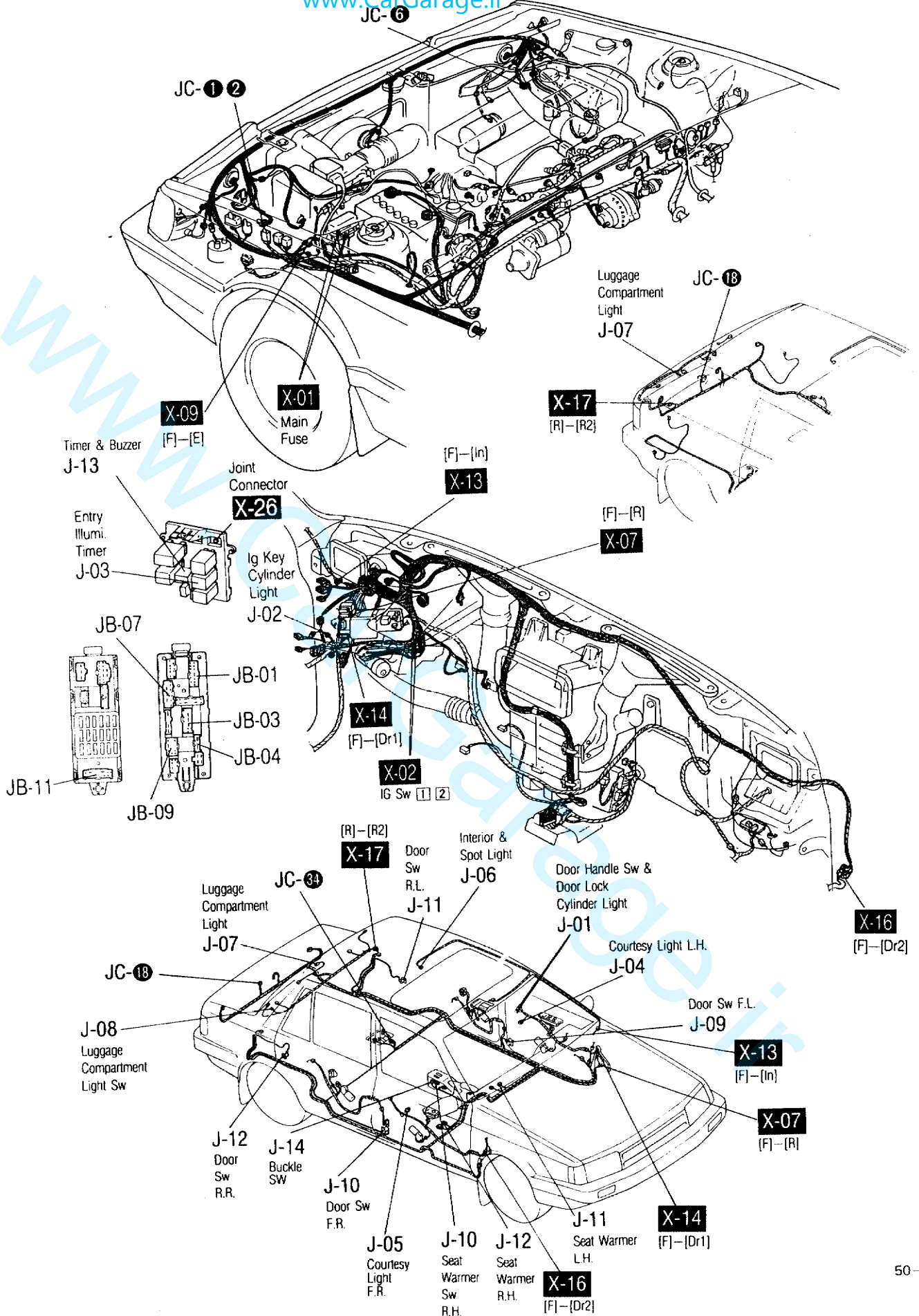


Table with 4 columns: Component Name, Component Symbol, Component Location, and Component Part Number. Rows include J-01 Door Lock Cylinder Light, J-02 IG Key Cylinder Light, J-03 Entry Illumination Timer, J-04 Courtesy Light, J-05 Courtesy Light, J-06 Interior & Spot Lights, and J-07 Luggage Compartment Light.



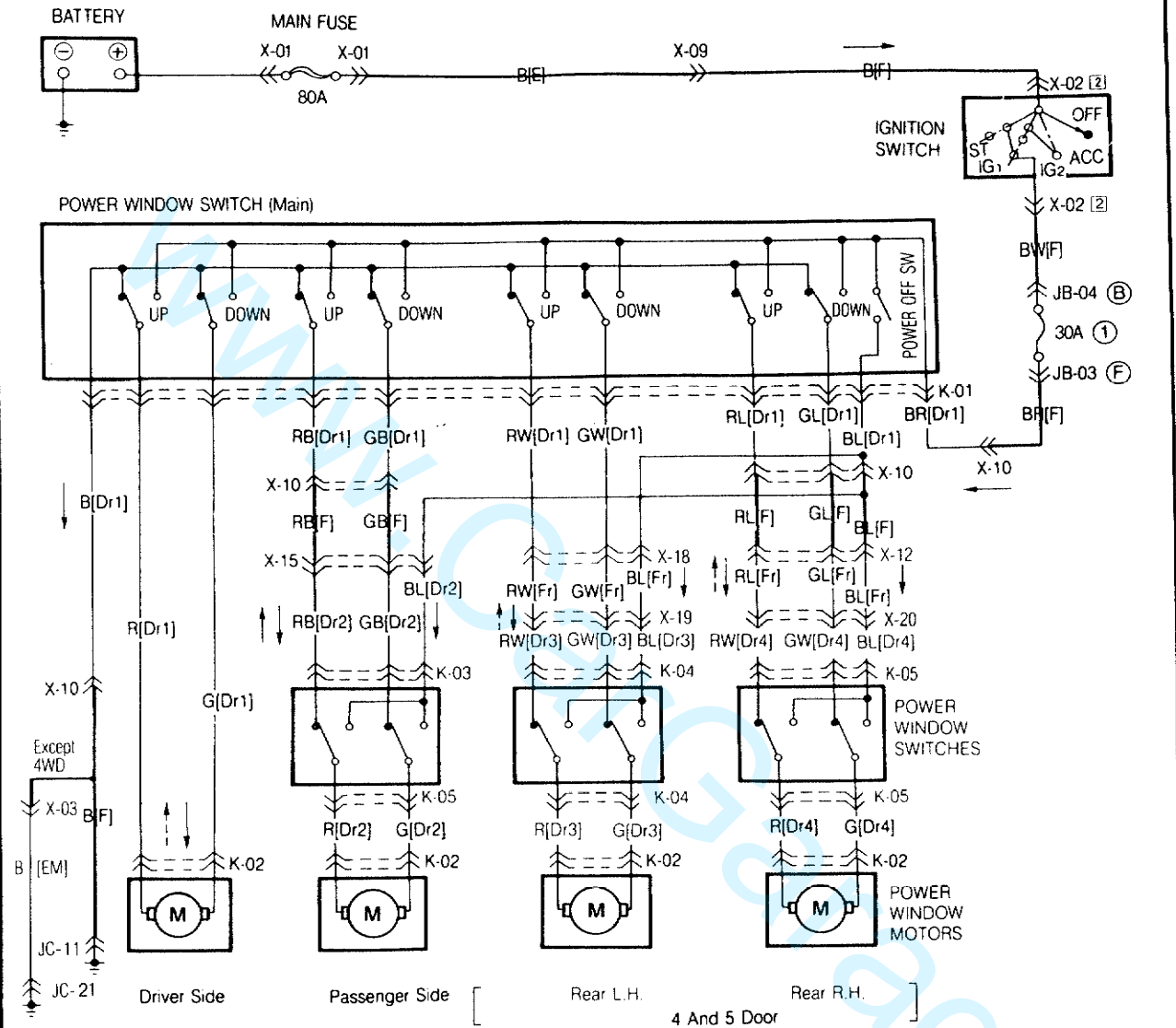


# K

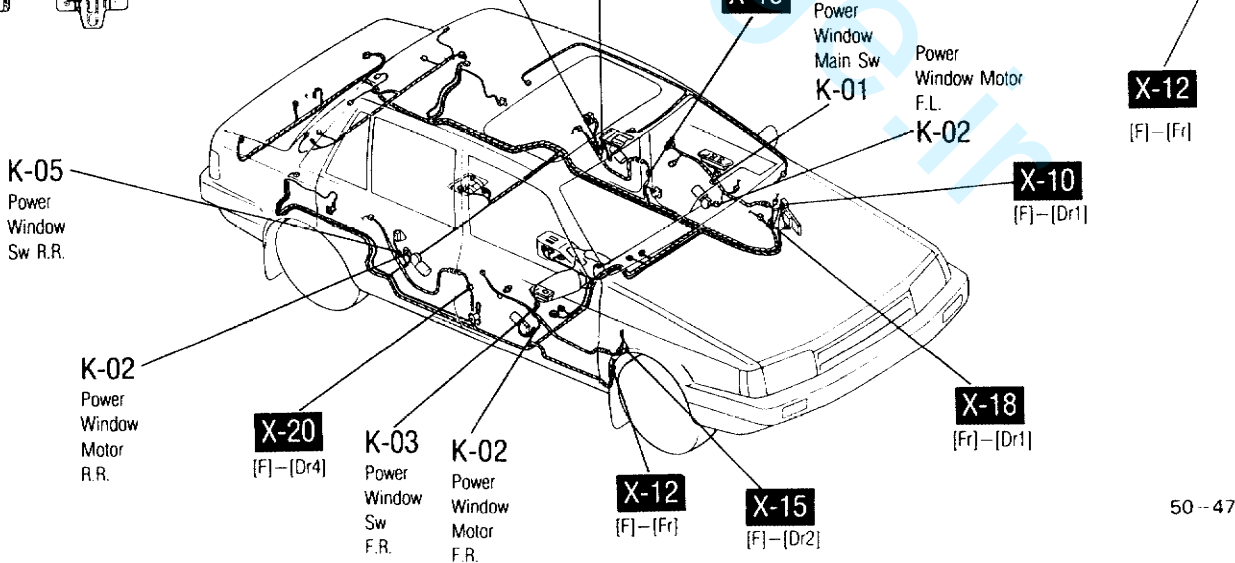
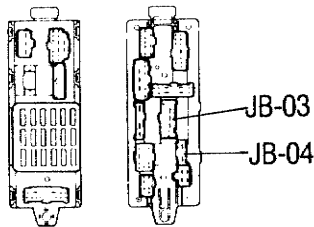
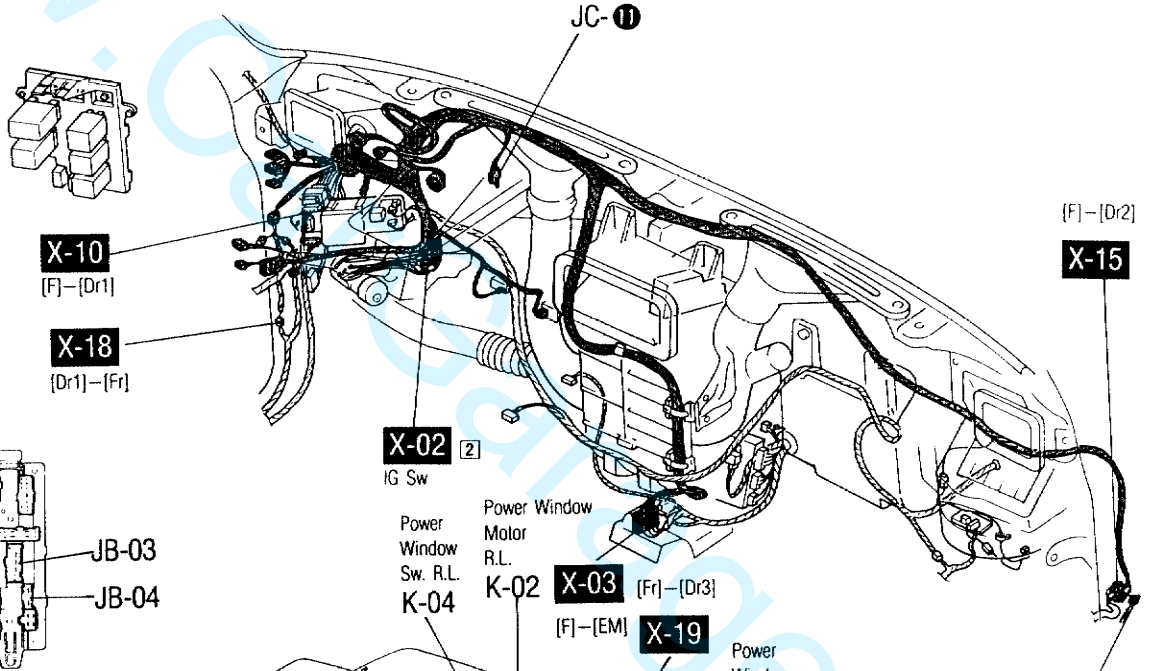
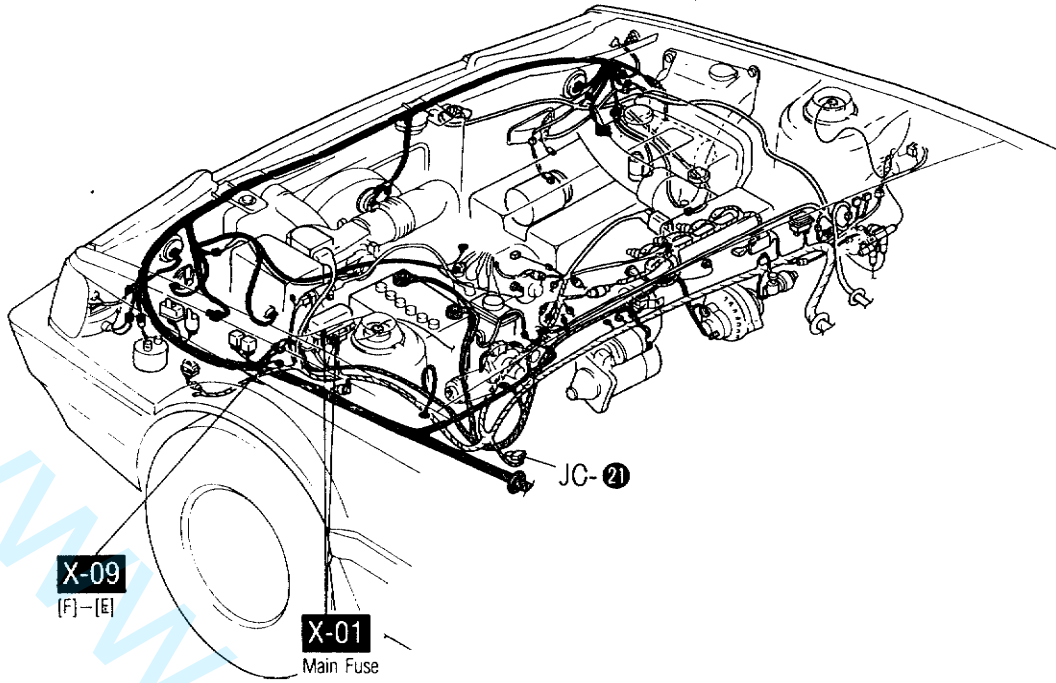
## POWER WINDOW

Note:

< > .. For 3 Door  
 ✕ .. Not Used



<p>K-01 Power Window Switch [Dr1]</p>	<p>K-02 Power Window Motor [Dr1] [Dr2] [Dr3] [Dr4]</p>	<p>K-03 Power Window Switch [Dr2]</p>	<p>K-04 Power Window Switch [Dr3]</p>
<p>K-05 Power Window Switch [Dr4]</p>			

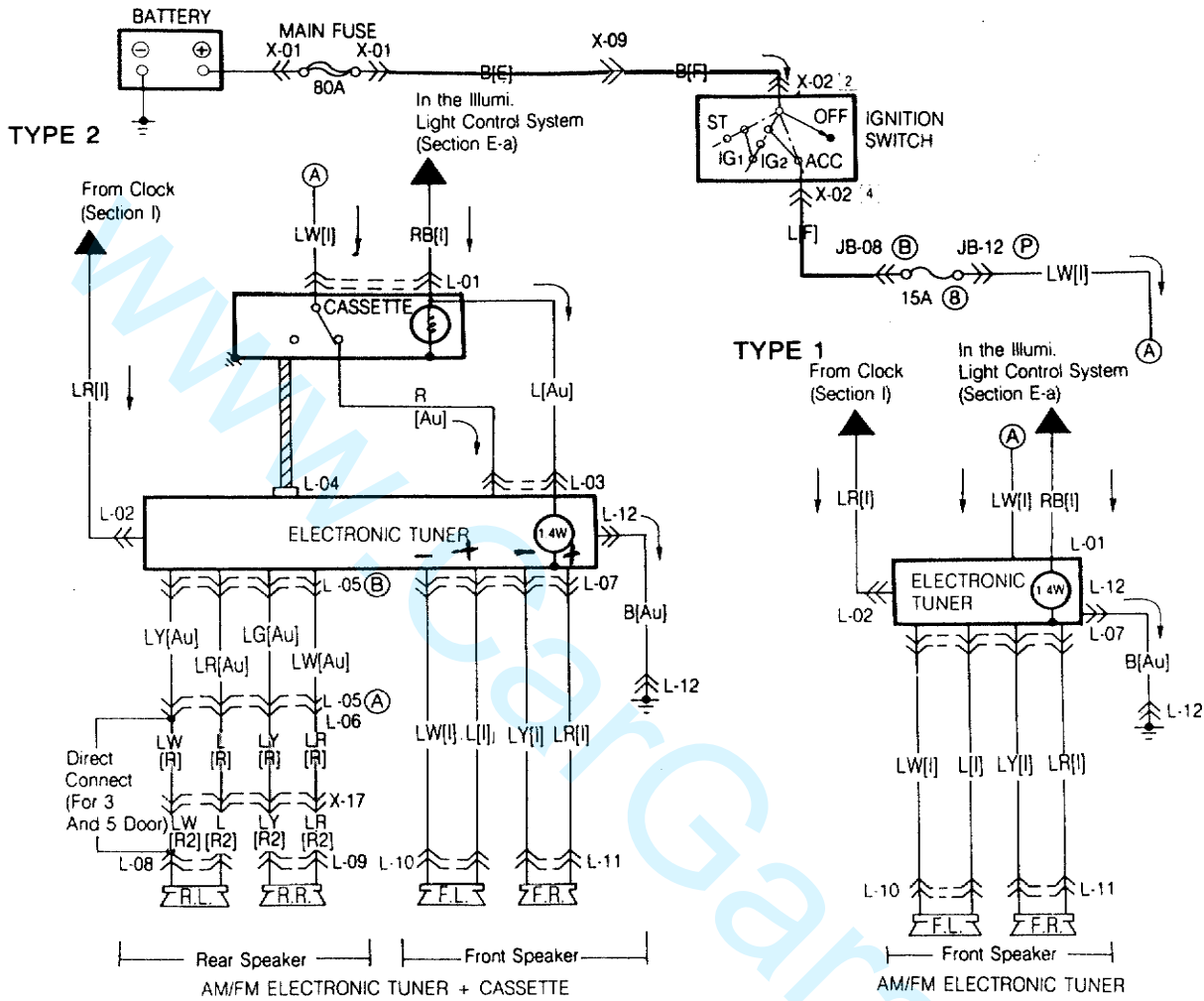


L

**AUDIO SYSTEM**

Note:

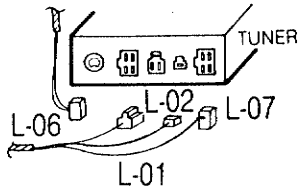
× ...Not Used



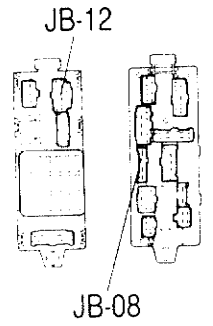
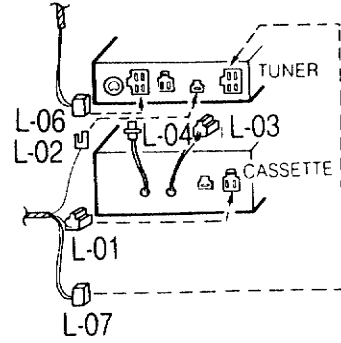
B

<p>L-01 Connector to Audio System [I]</p>	<p>L-02 Connector to Audio System [I]</p>	<p>L-03 Connector to Audio System [Au]</p>	<p>L-04 Connector to Audio System [Au]</p>								
<p>L-05 Rear Speaker Cord [Au]</p>		<p>L-06 Rear Amp. [R]</p>	<p>L-07 Tuner [I]</p>								
<p>L-08 Rear Speaker R.L. [R], [R2]</p>	<p>L-09 Rear Speaker R.R. [R], [R2]</p>	<p>L-10 Front Speaker F.L. [I]</p>	<p>L-11 Front Speaker F.R. [I]</p>								
<p>L-12 Ground [Au]</p>	<p>BLUE CONNECTOR REAR SPEKRS.</p> <p>L+ <table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>L</td><td>LR</td></tr> <tr><td>LW</td><td>LB</td></tr> </table> R+</p> <p>L- <table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>L</td><td>LR</td></tr> <tr><td>LW</td><td>LB</td></tr> </table> R-</p>			L	LR	LW	LB	L	LR	LW	LB
L	LR										
LW	LB										
L	LR										
LW	LB										

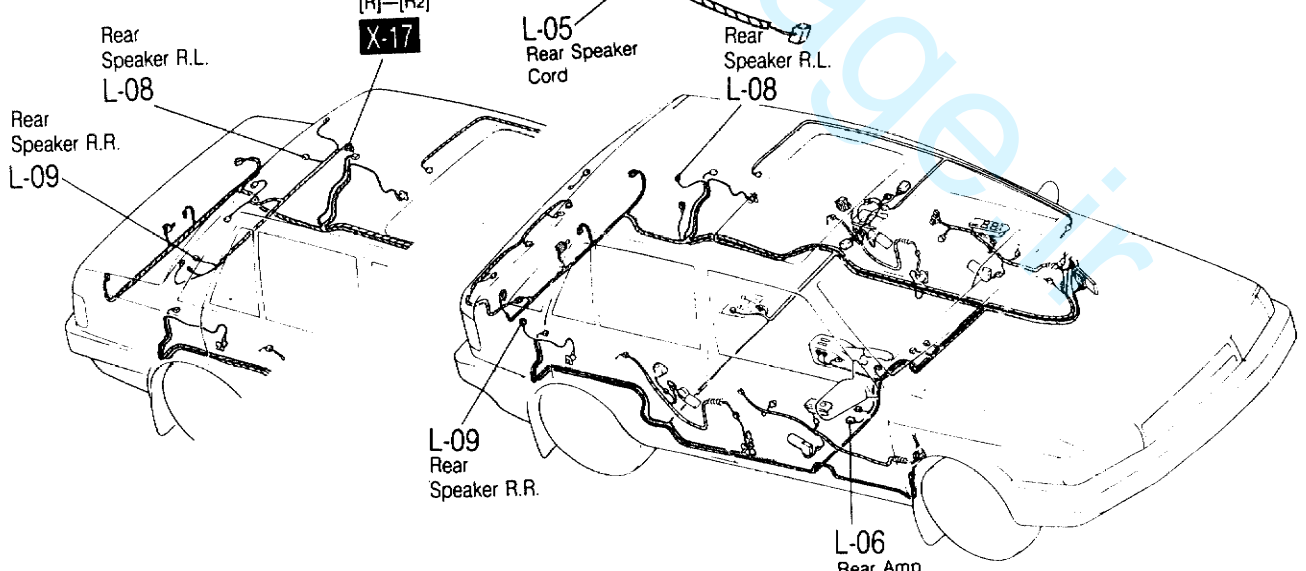
TYPE 1



TYPE 2



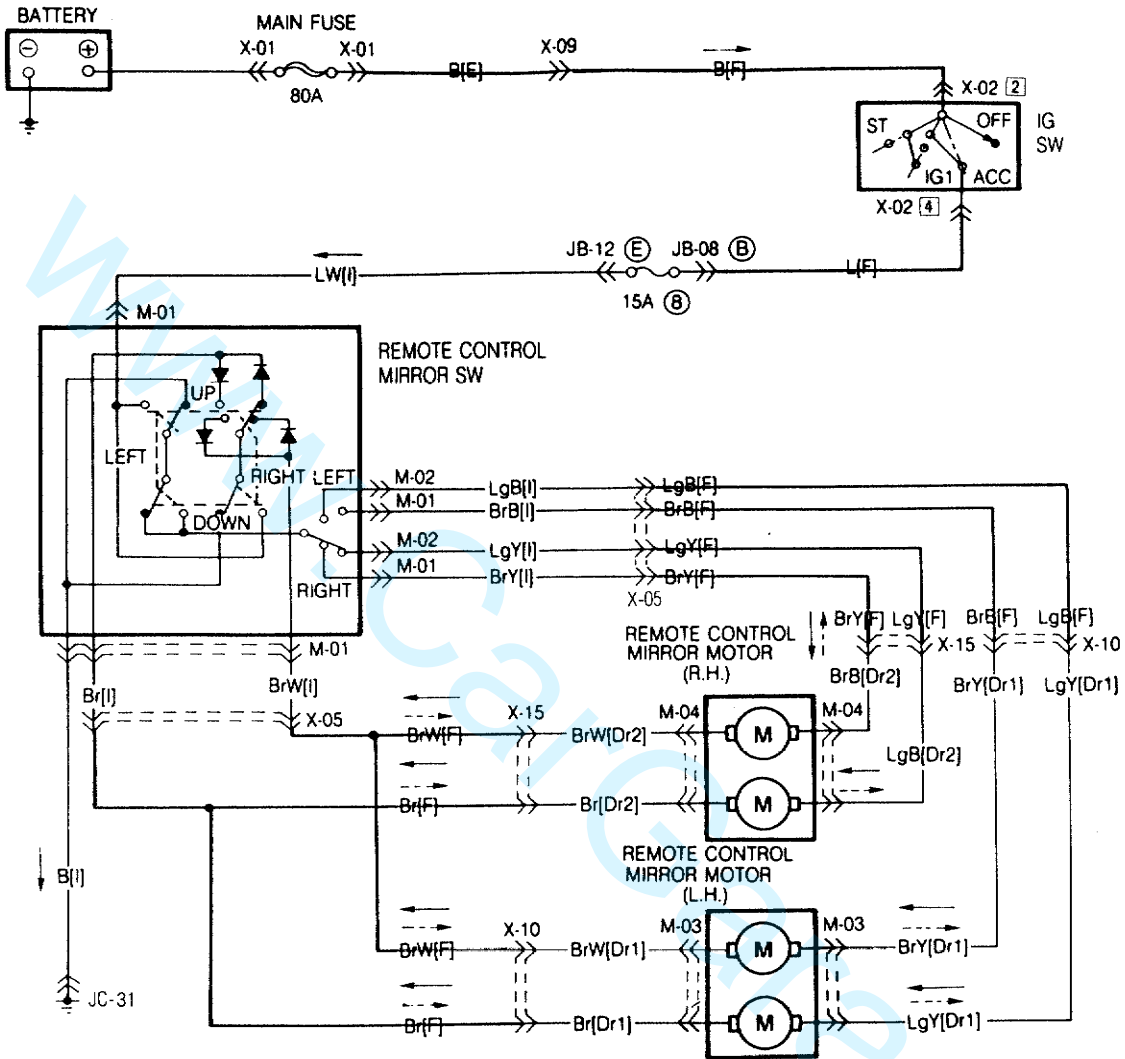
WWW.CAR



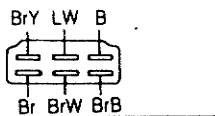


**M**

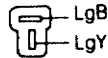
**■ REMOTE CONTROL MIRROR**



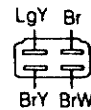
M-01 Remote Control Mirror Sw [I]



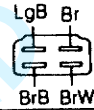
M-02 Remote Control Mirror Sw [I]

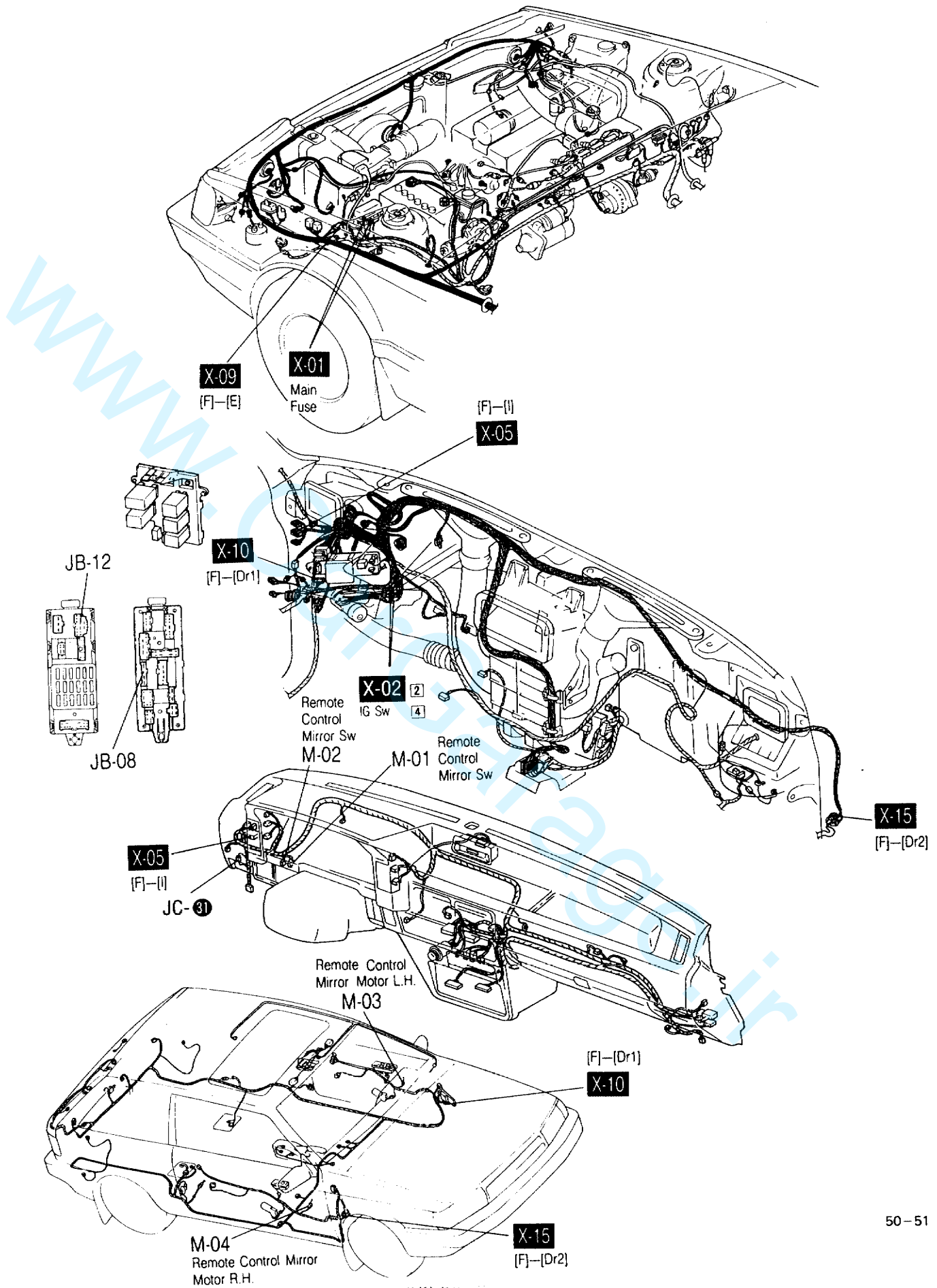


M-03 Remote Control Mirror Motor L.H. [Dr1]



M-04 Remote Control Mirror Motor R.H. [Dr2]

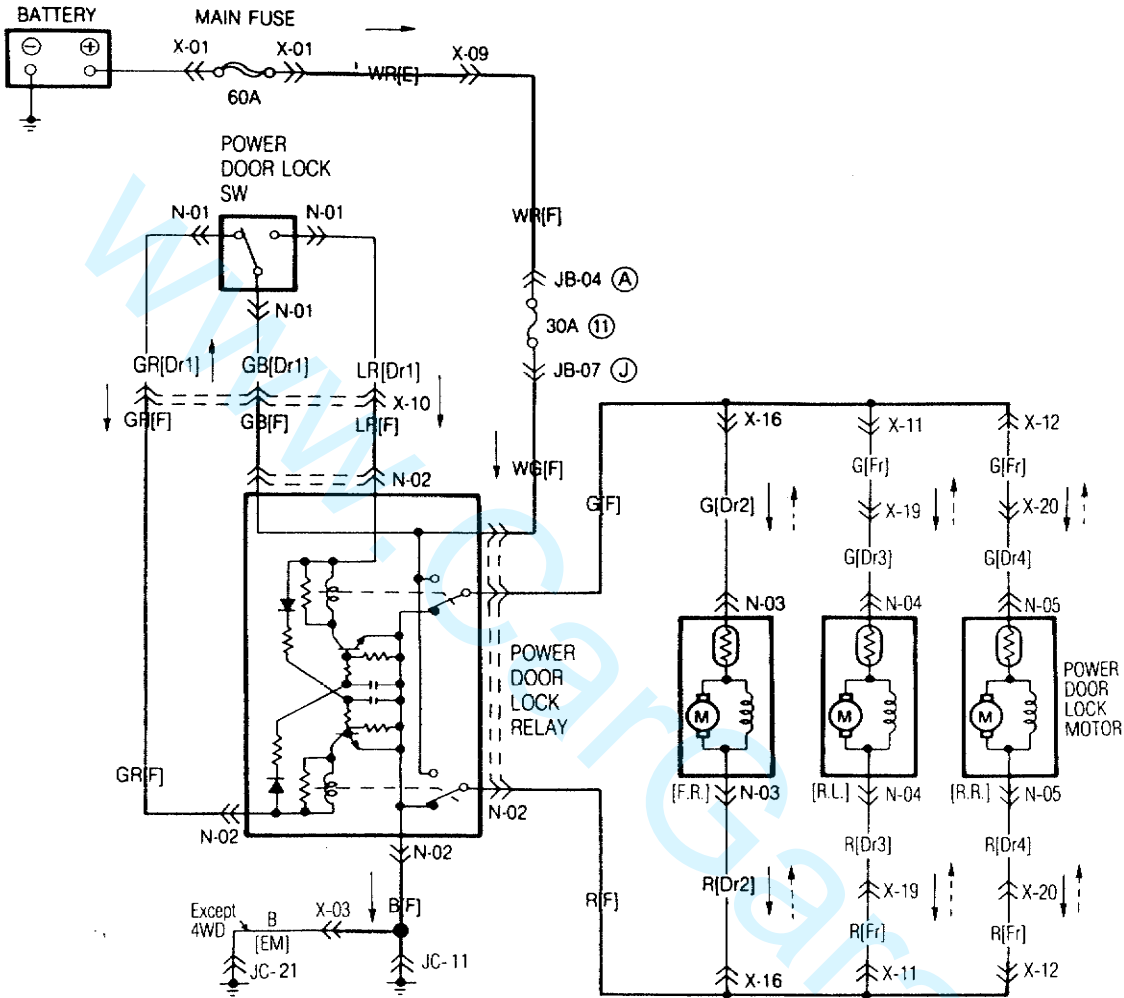


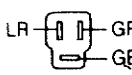






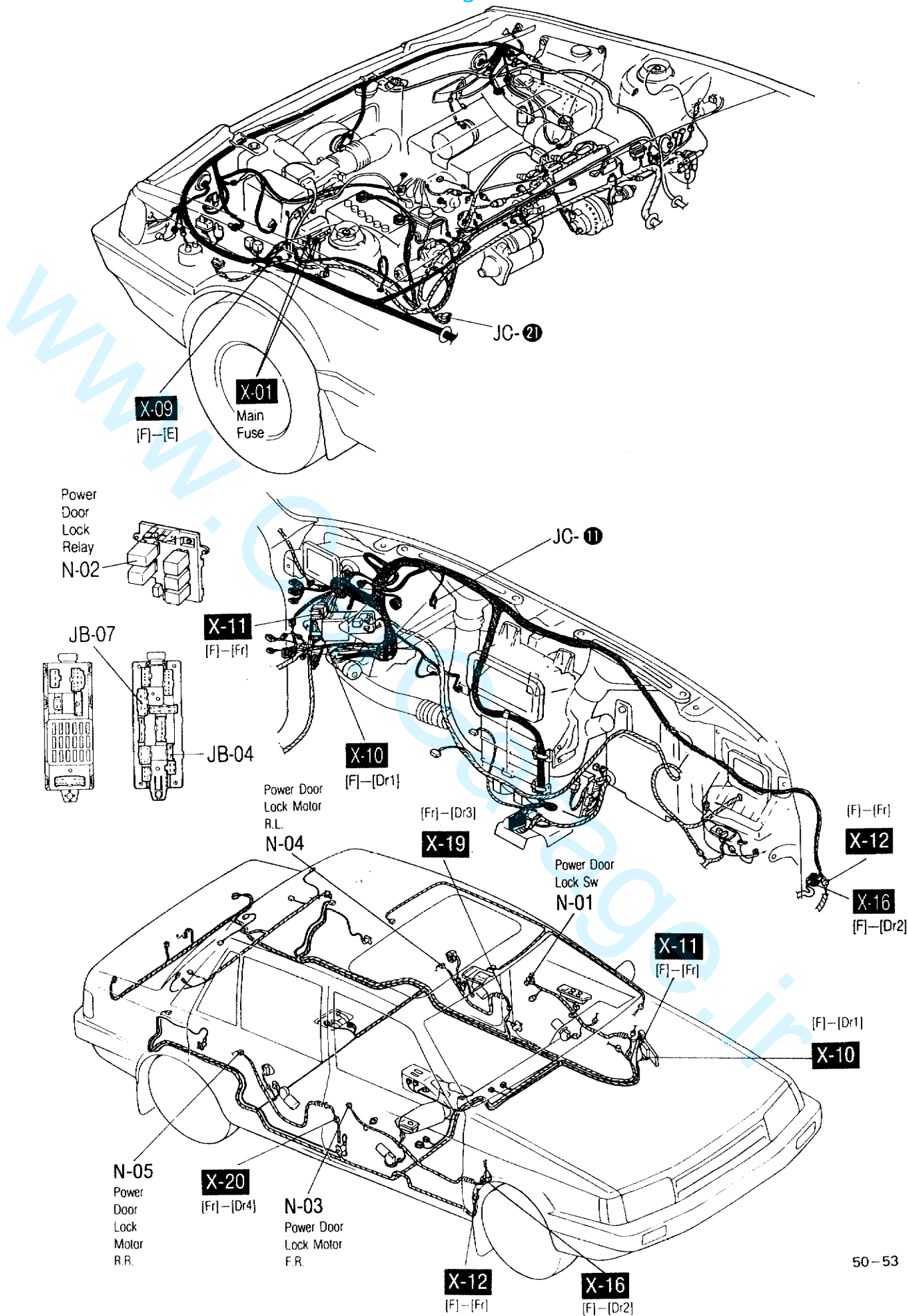
**N**

**POWER DOOR LOCK**

Note: \* ... Not Used

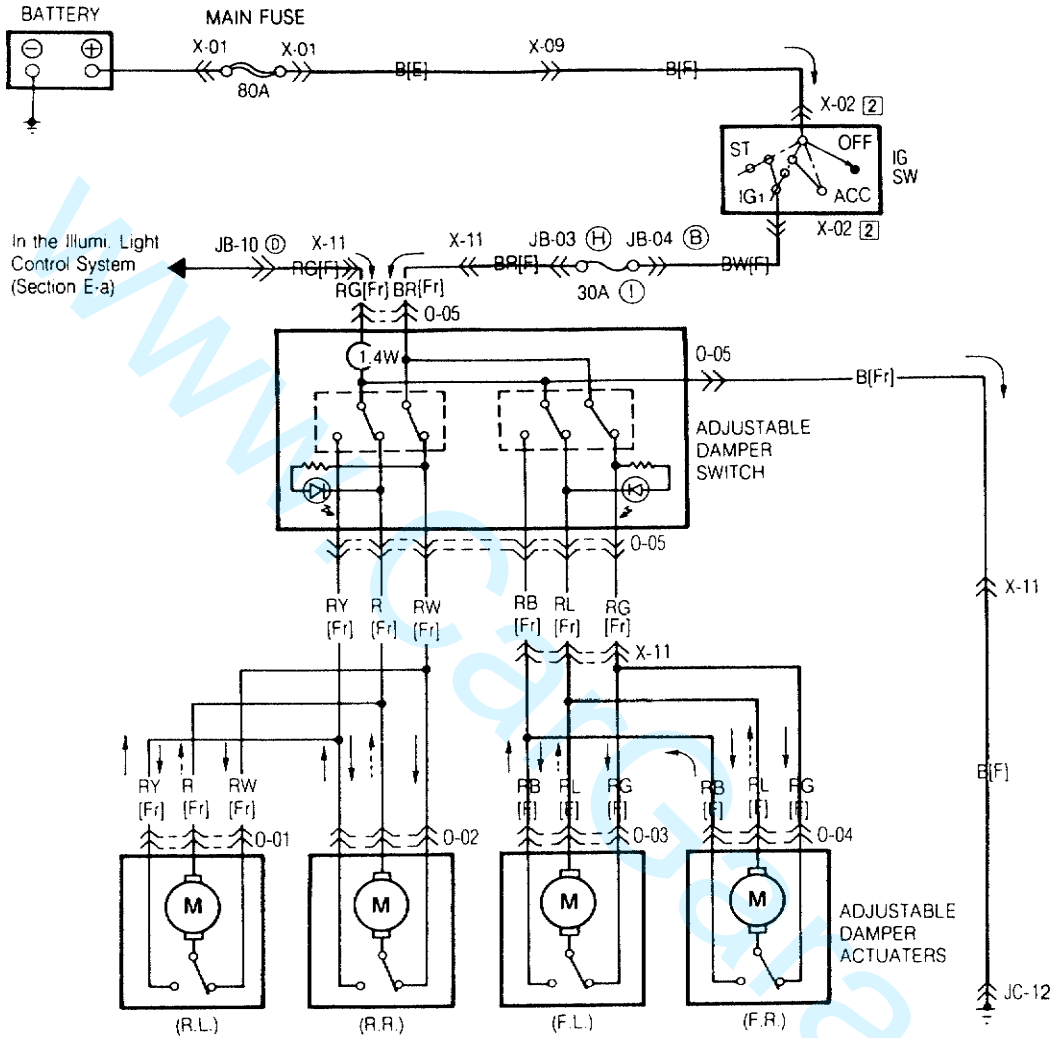


<p>N-01 Power Door Lock Switch [Dr1]</p> 	<p>N-02 Power Door Lock Relay [F]</p> 	<p>N-03 Power Door Lock Motor F.R. [Dr2]</p> 	<p>N-04 Power Door Lock Motor R.L. [Dr3]</p> 
<p>N-05 Power Door Lock Motor R.R. [Dr4]</p> 			

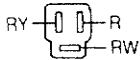


0

ADJUSTABLE SHOCK ABSORBER



0-01 Adjustable Damper Actuator R.L. [Fr]



0-02 Adjustable Damper Actuator R.R. [Fr]



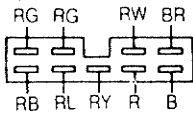
0-03 Adjustable Damper Actuator F.L.[F]



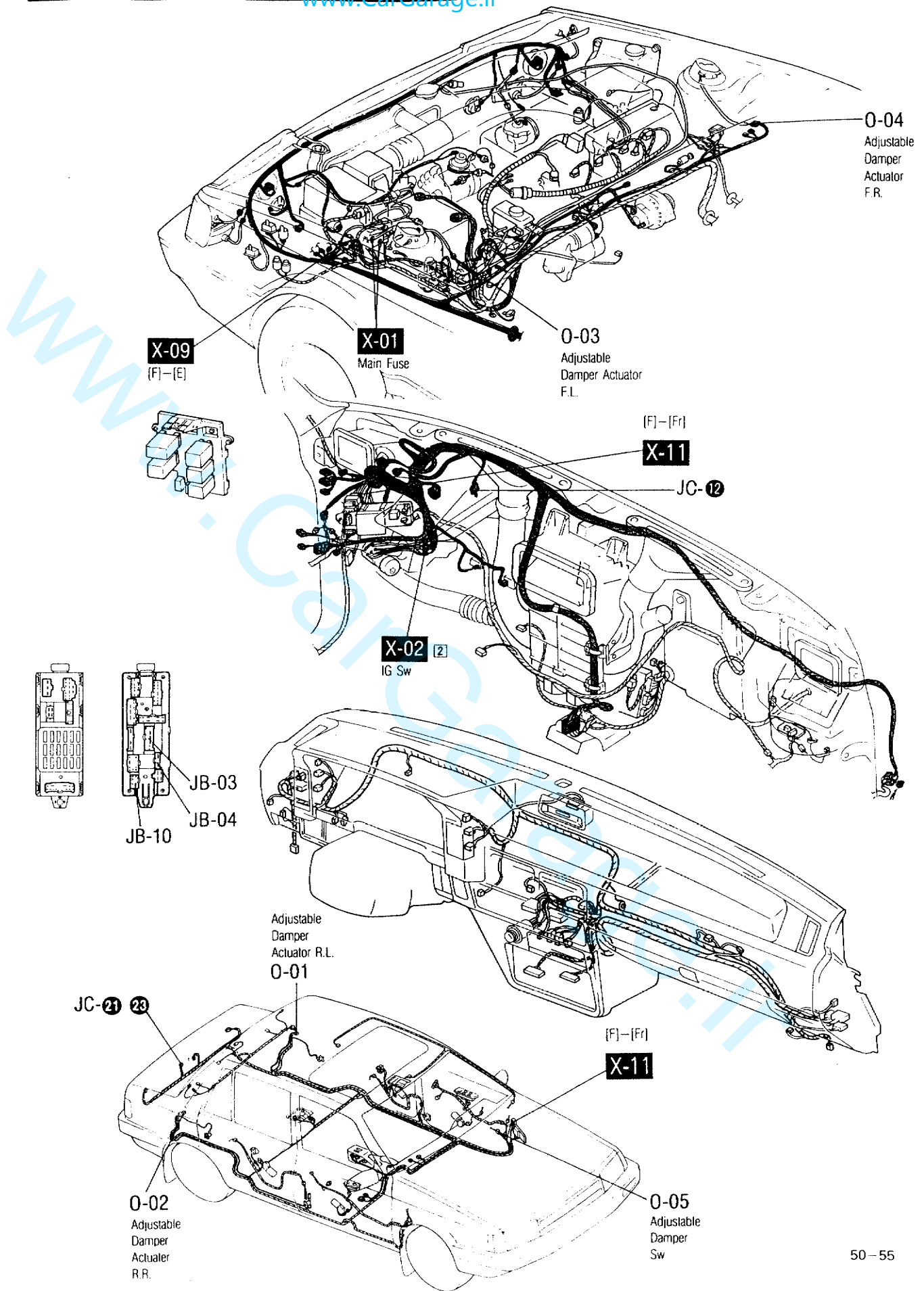
0-04 Adjustable Damper Actuator F.R.[F]



0-05 Adjustable Damper Switch [Fr]



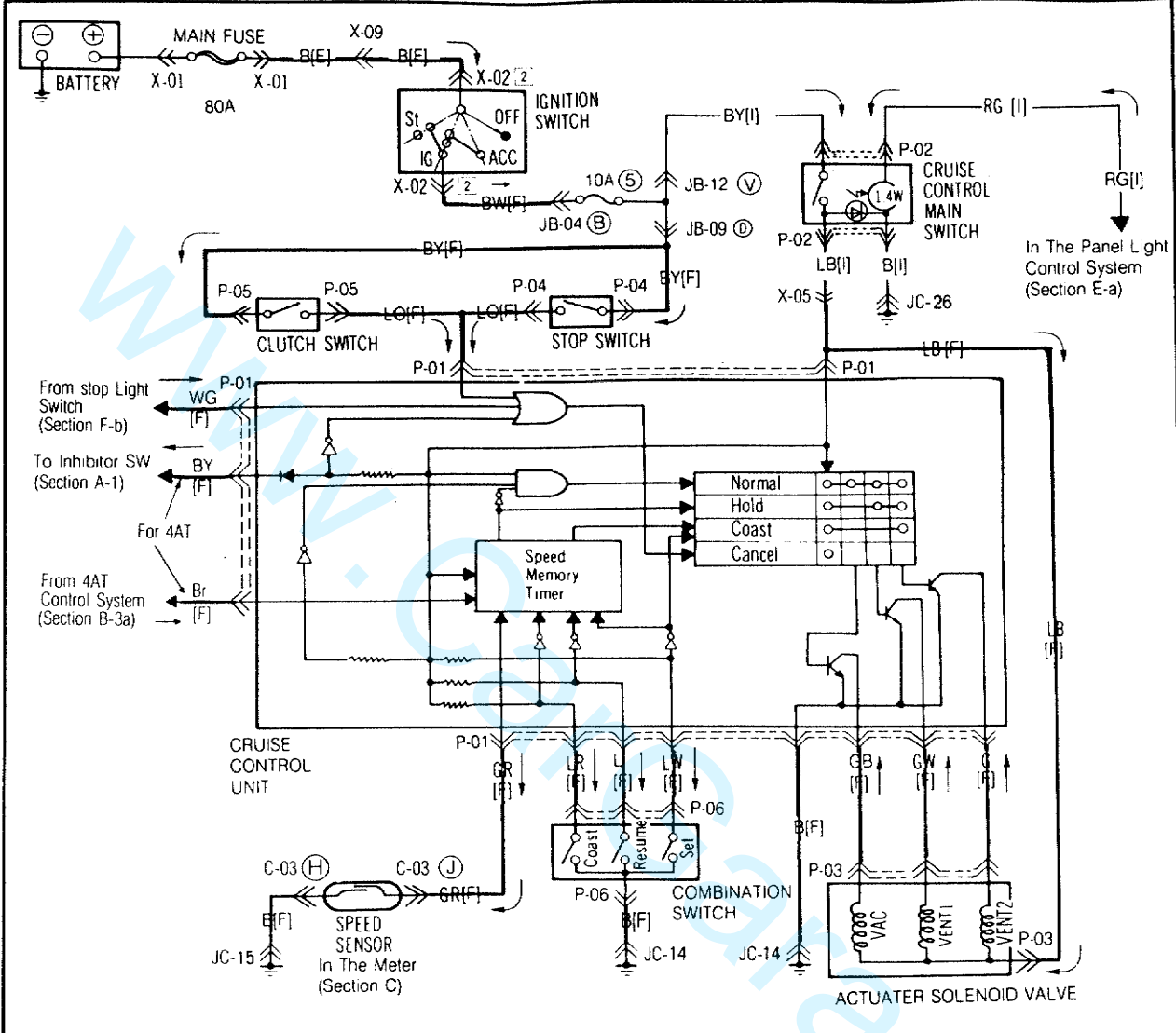




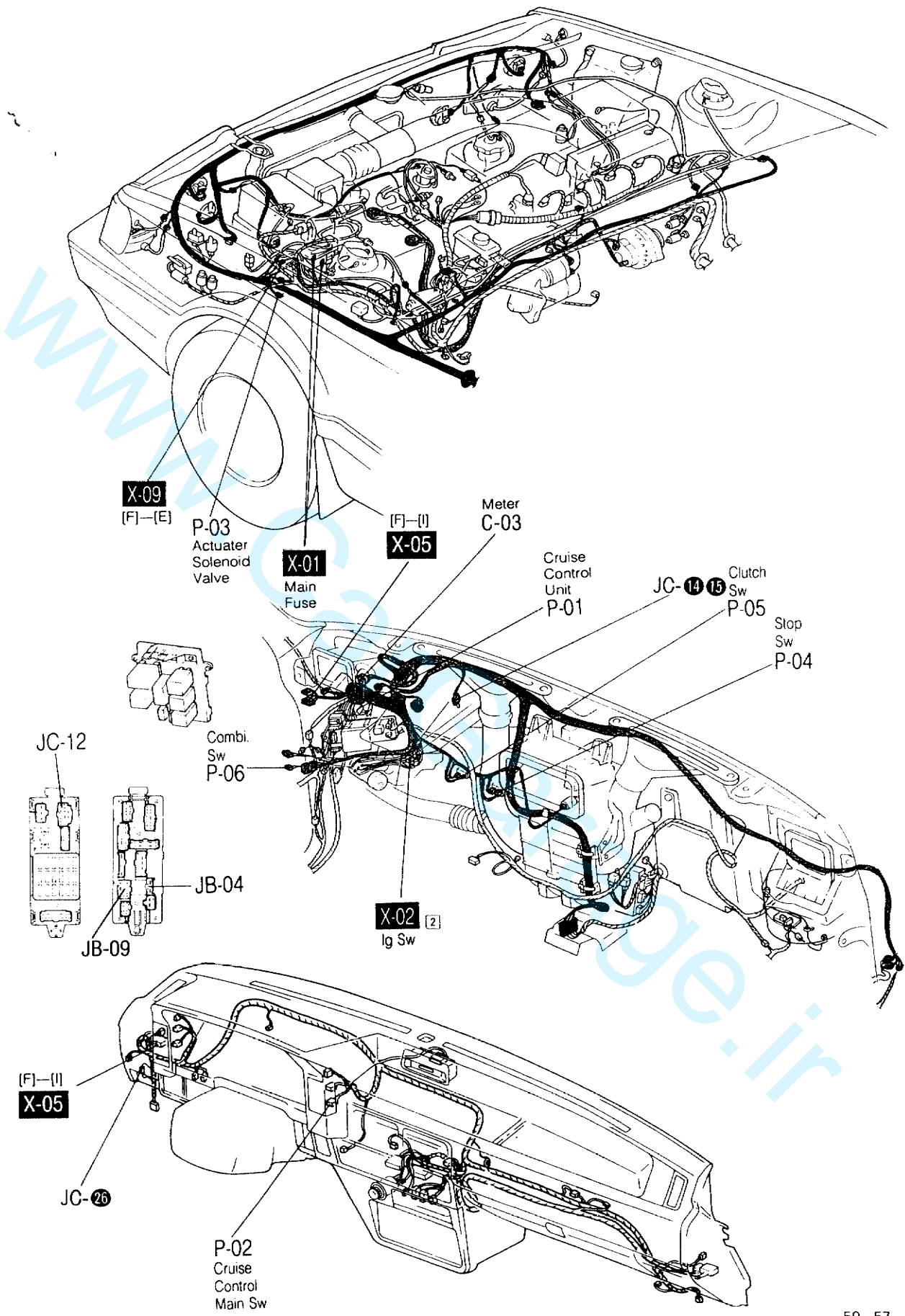
P-1

For Non Turbo  
**CRUISE CONTROL SYSTEM**

Note: ...Not Used



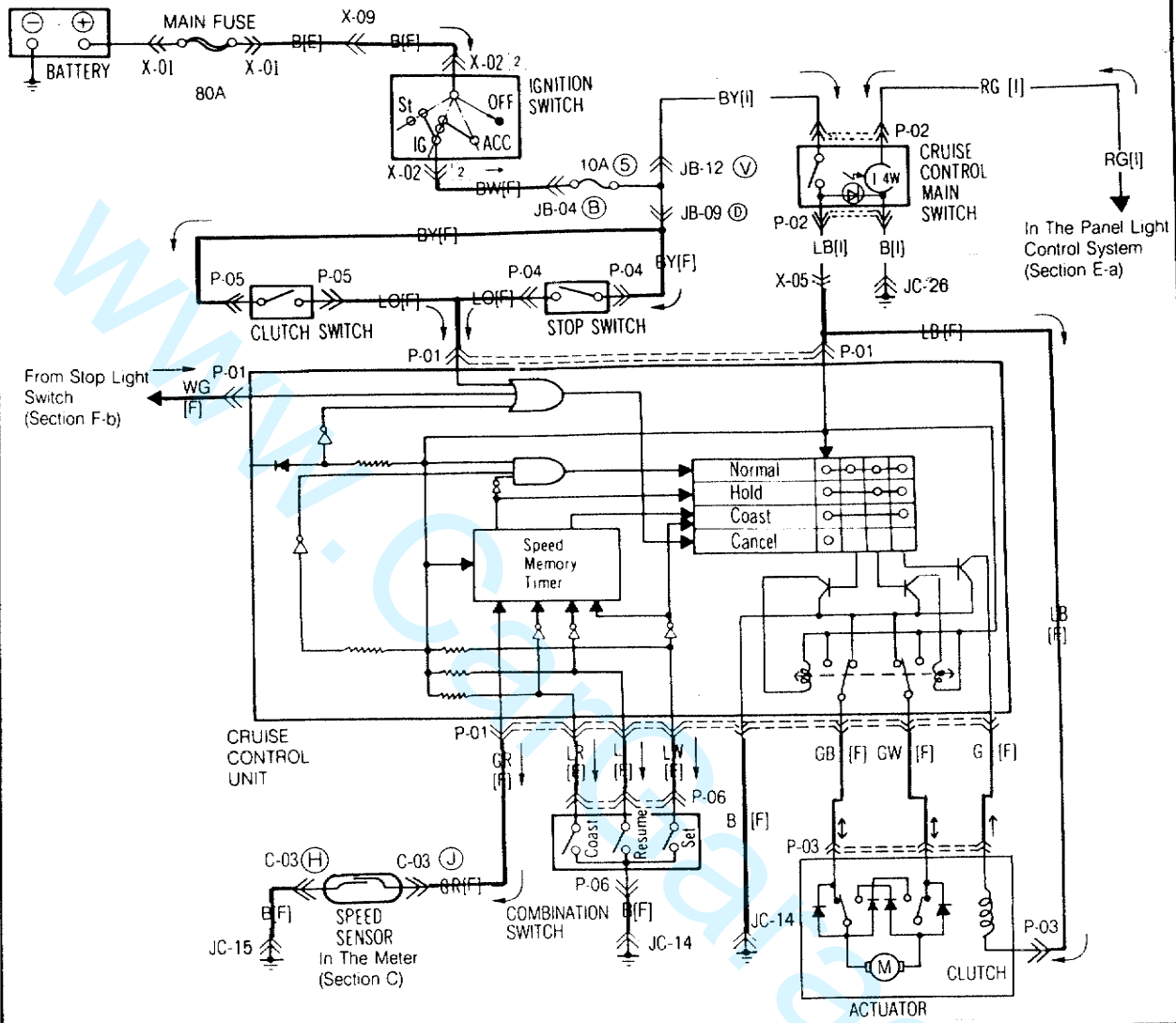
<p>P-01 Cruise Control Unit [F] ( ) ... 4AT</p>	<p>P-02 Cruise Control Main Switch [I]</p>	<p>P-03 Actuator Solenoid Valve [F]</p>	
<p>P-04 Stop Switch [F]</p>	<p>P-05 Clutch Switch [F]</p>	<p>P-06 Combination Switch [F]</p>	



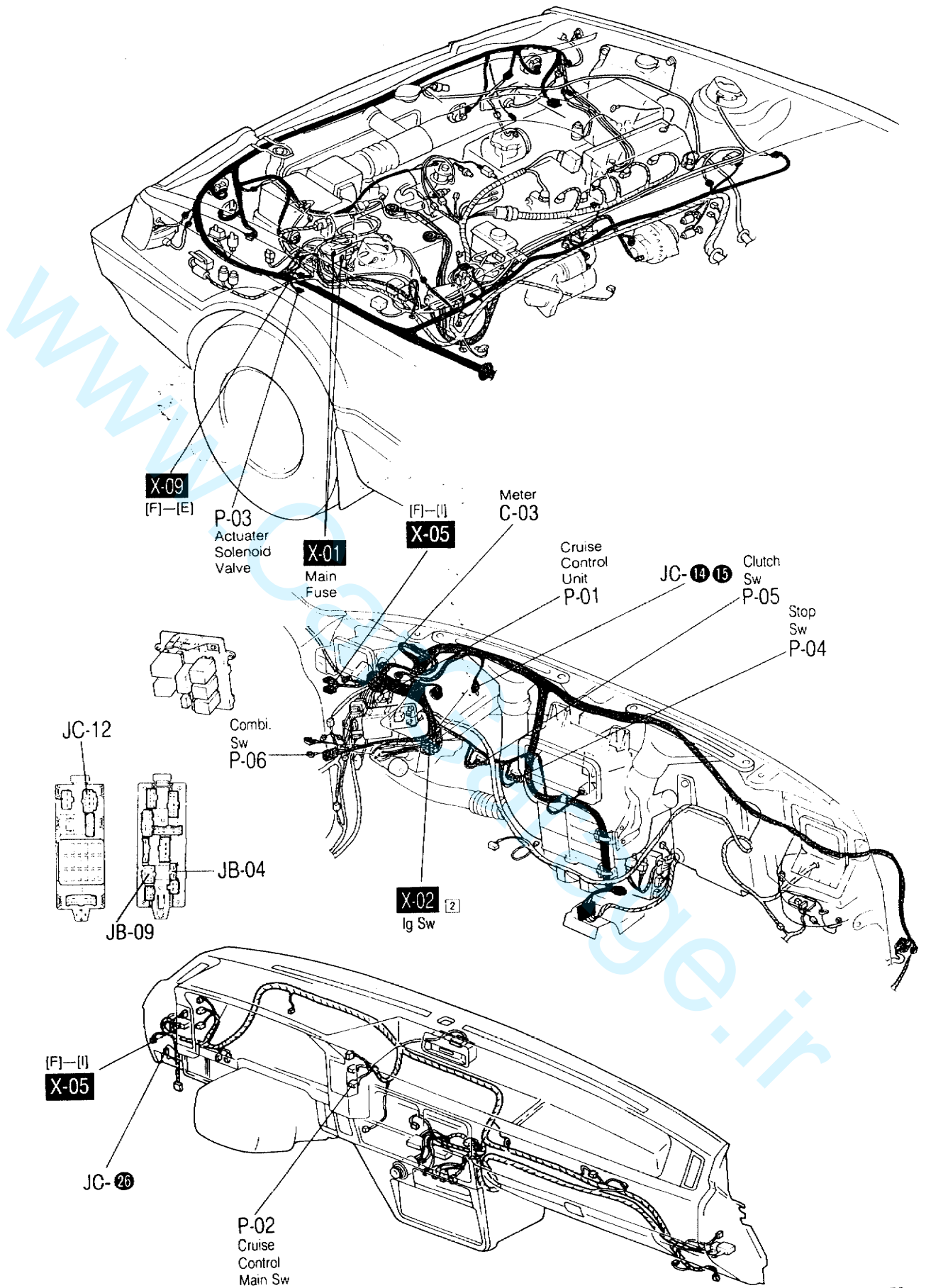
P-2

For Turbo without 4WD  
**CRUISE CONTROL SYSTEM**

Note: ...Not Used



<p>P-01 Cruise Control Unit [F]</p>	<p>P-02 Cruise Control Main Switch [I] (E-05)</p>	<p>P-03 Actuator [F]</p>
<p>P-04 Stop Switch [F]</p>	<p>P-05 Clutch Switch [F]</p>	<p>P-06 Combination Switch [F]</p>

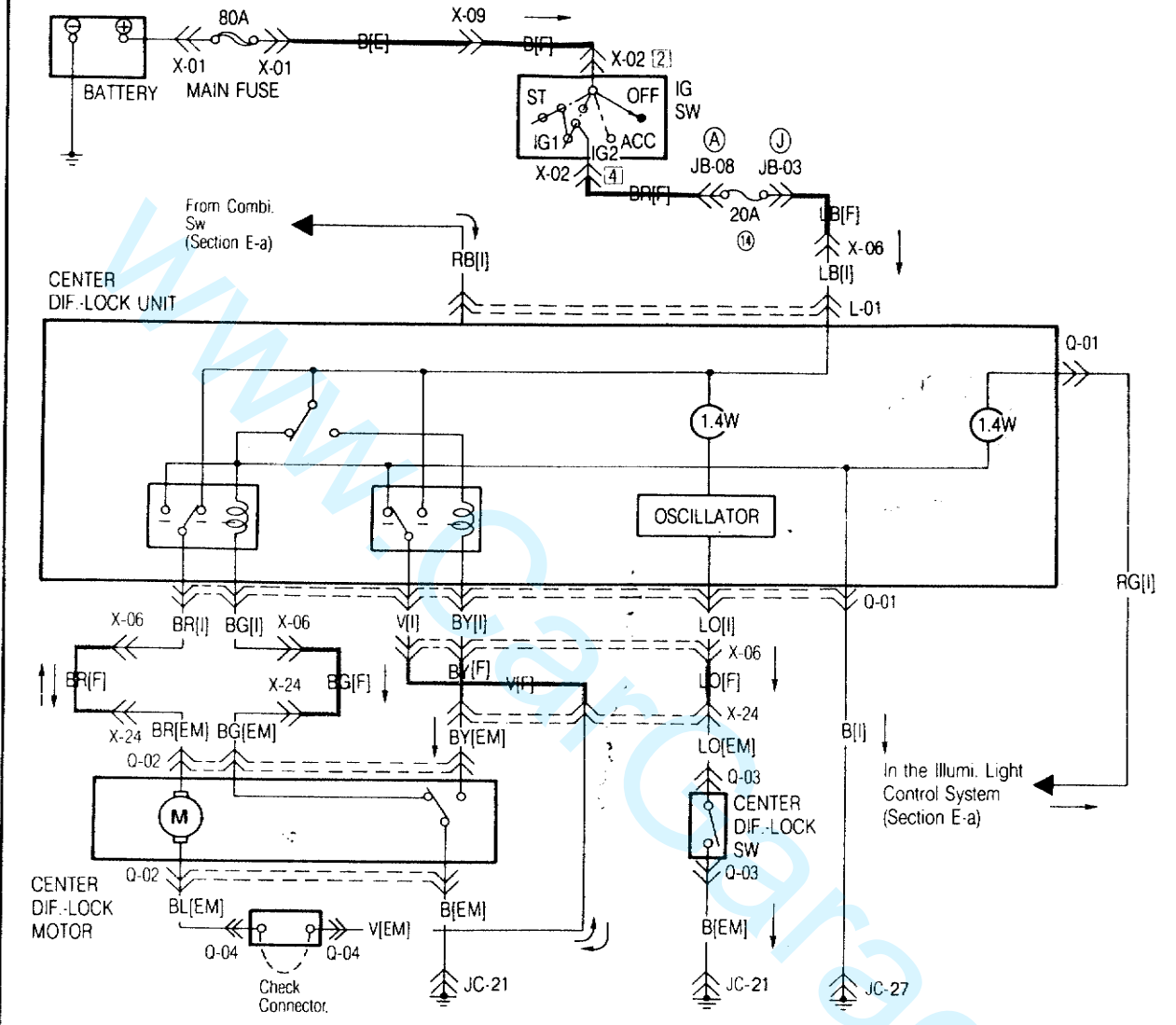




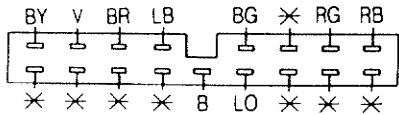
**Q**

**■ CENTER DIFFERENTIAL SYSTEM**

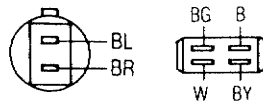
Note:  
× ...Not Used



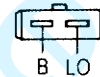
Q-01 Center Dif.-lock Unit [I]



Q-02 Dif.-lock Motor [EM]



Q-03 Center Dif.-lock Sw [EM]



Q-04 Check Connector [EM]

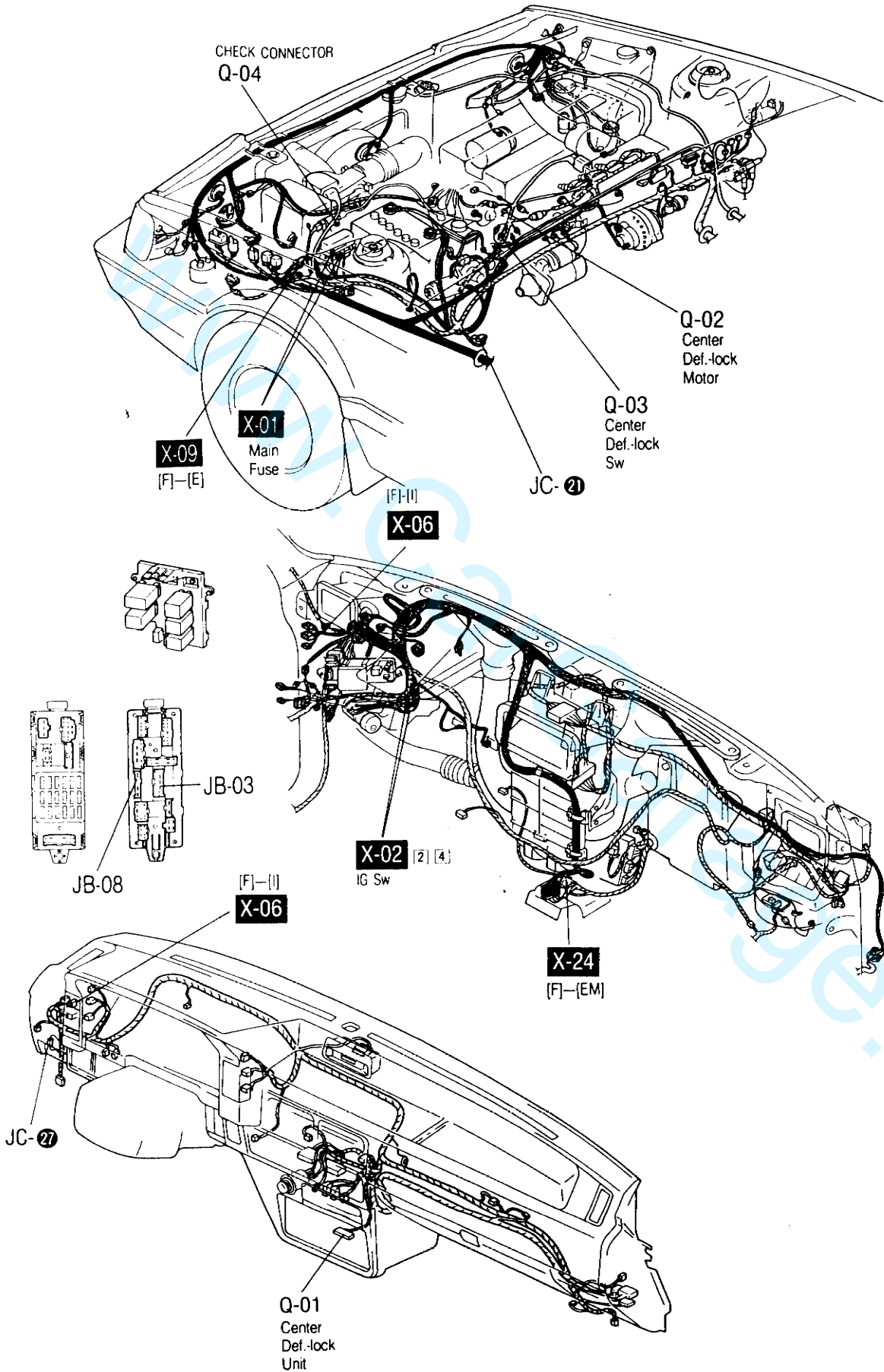




COMMON CONNECTOR LIST

Note: \* No Used

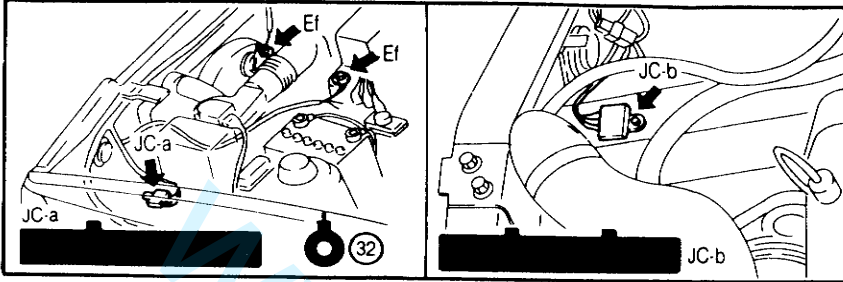
<p>X-01 MAIN FUSE (E)</p>	<p>X-02 Ignition Switch (F)</p>	<p>X-03 Connector Between Front (F) And Emission (EM) Harness &lt; &gt; 4AT ( ) ... 4WD ( ) ... Turbo without 4WD ( ) ... 4WD ( )</p>	<p>X-04 Connector Between Front (F) And Emission (EM) Harness &lt; &gt; 4AT ( ) ... 4WD ( ) ... Turbo without 4WD ( ) ... 4WD ( )</p>	<p>X-05 Connector Between Front (F) And Instrument Panel (I) Harness ( ) ... 4WD ( )</p>	<p>X-06 Connector Between Front (F) And Instrument Panel (I) Harness (For 4WD)</p>	<p>X-07 Connector Between Front (F) And Rear (R) Harness ( ) ... 4AT &lt; &gt; ... 4WD ( ) ... Turbo without 4WD ( ) ... 4WD ( )</p>	<p>X-08 Connector Between Front (F) And Engine (E) Harness ( ) ... 4WD ( )</p>	<p>X-09 Connector Between Front (F) And Engine (E) Harness</p>	<p>X-10 Connector Between Front (F) And Door (Dr1) Harness ( ) ... 4WD &lt; &gt; ... 3 Door ( ) ... 4 Door ( )</p>	<p>X-11 Connector Between Front (F) And Floor (Fr) Harness ( ) ... Turbo ( )</p>	<p>X-12 Connector Between Front (F) And Floor (Fr) Harness</p>	<p>X-13 Connector Between Front (F) And Interior Light (In) Harness</p>	<p>X-14 Connector Between Front (F) And No. 1 Door (Dr1) Harness</p>	<p>X-15 Connector Between Front (F) And No. 2 Door (Dr2) Harness</p>	<p>X-16 Connector Between Front (F) And No. 2 Door (Dr2) Harness</p>	<p>X-17 Connector Between Rear (R) And No. 2 Rear (R2) Harness (3 And 5 Door)</p>	<p>X-18 Connector Between Floor (Fr) And No. 1 Door (Dr1) Harness (4 And 5 Door)</p>	<p>X-19 Connector Between Floor (Fr) And No. 3 Door (Dr3) Harness (4 And 5 Door)</p>	<p>X-20 Connector Between Front (F) And Emission (EM) Harness (For 4WD)</p>	<p>X-21 Connector Between Emission (EM) And Engine (E) Harness</p>	<p>X-22 Connector Between Emission (EM) And Air Con. (AC) Harness</p>	<p>X-23 Connector Between Instrument Panel (I) And Air Con. (AC) Harness</p>	<p>X-24 Connector Between Front (F) And Emission (EM) Harness (For 4WD)</p>	<p>X-25 Joint Connector (I)</p>	<p>X-26 Joint Connector (F)</p>	<p>X-27 Connector Between Rear (R) And No. 2 Rear (R2) Harness</p>
---------------------------	---------------------------------	---	---	--	--	--	--	--	--	--	--	---	--	--	--	---	--	--	---	--	---	--	---	---------------------------------	---------------------------------	--



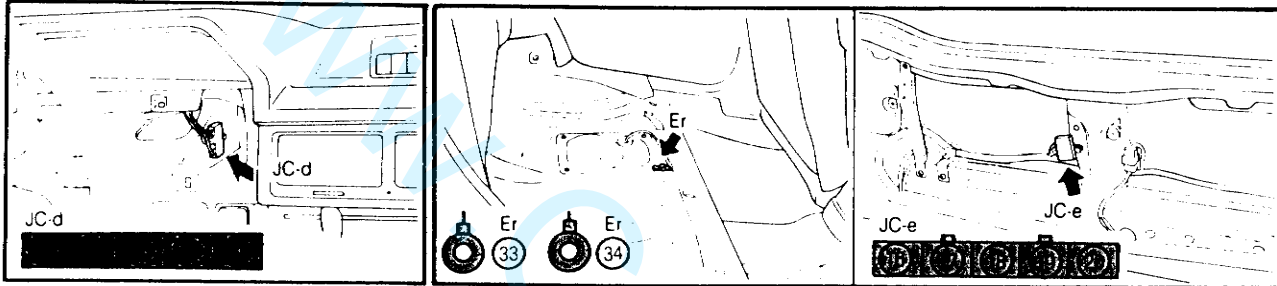
# JC ■ GROUND CIRCUIT

Note: Wiring order into the Joint connector may be changed  
\* ...Not Used

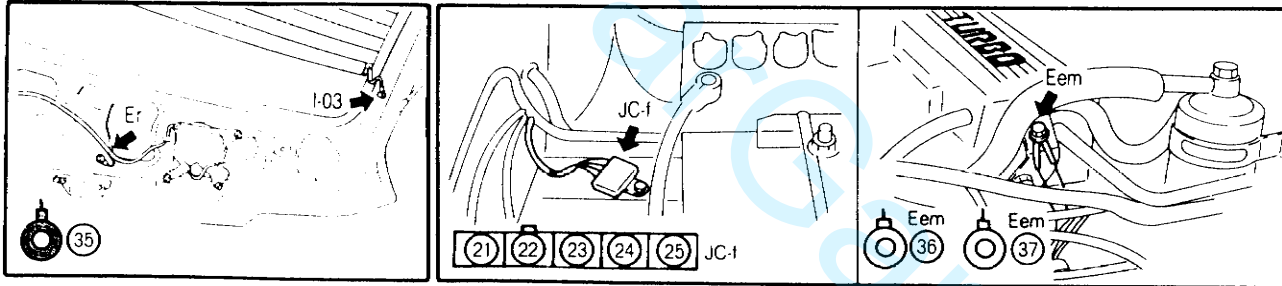
### Front Harness



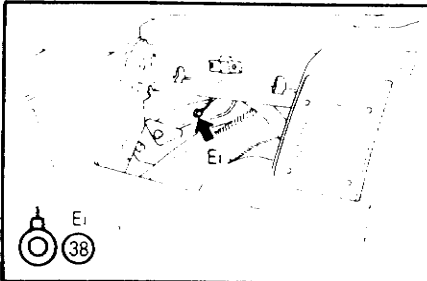
### Rear Harness



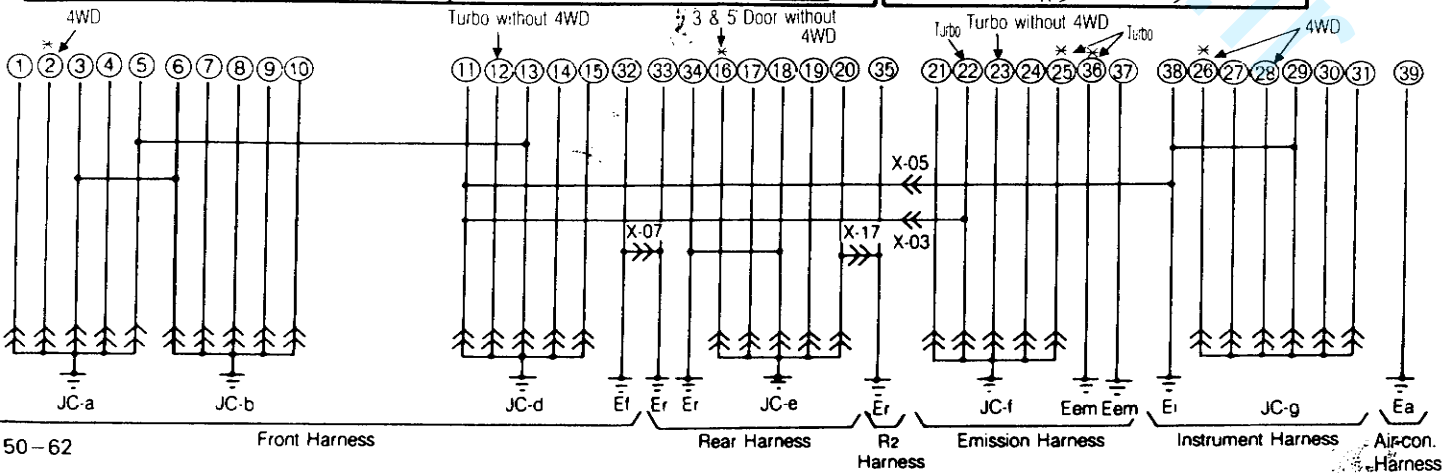
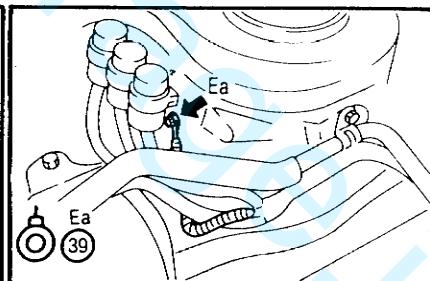
### Emission Harness



### Instrument Harness



### Air Con. Harness



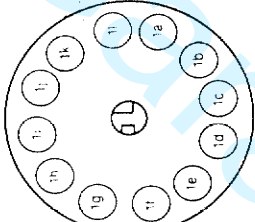
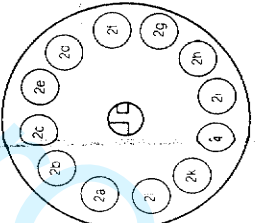
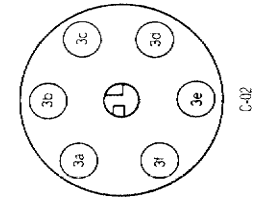
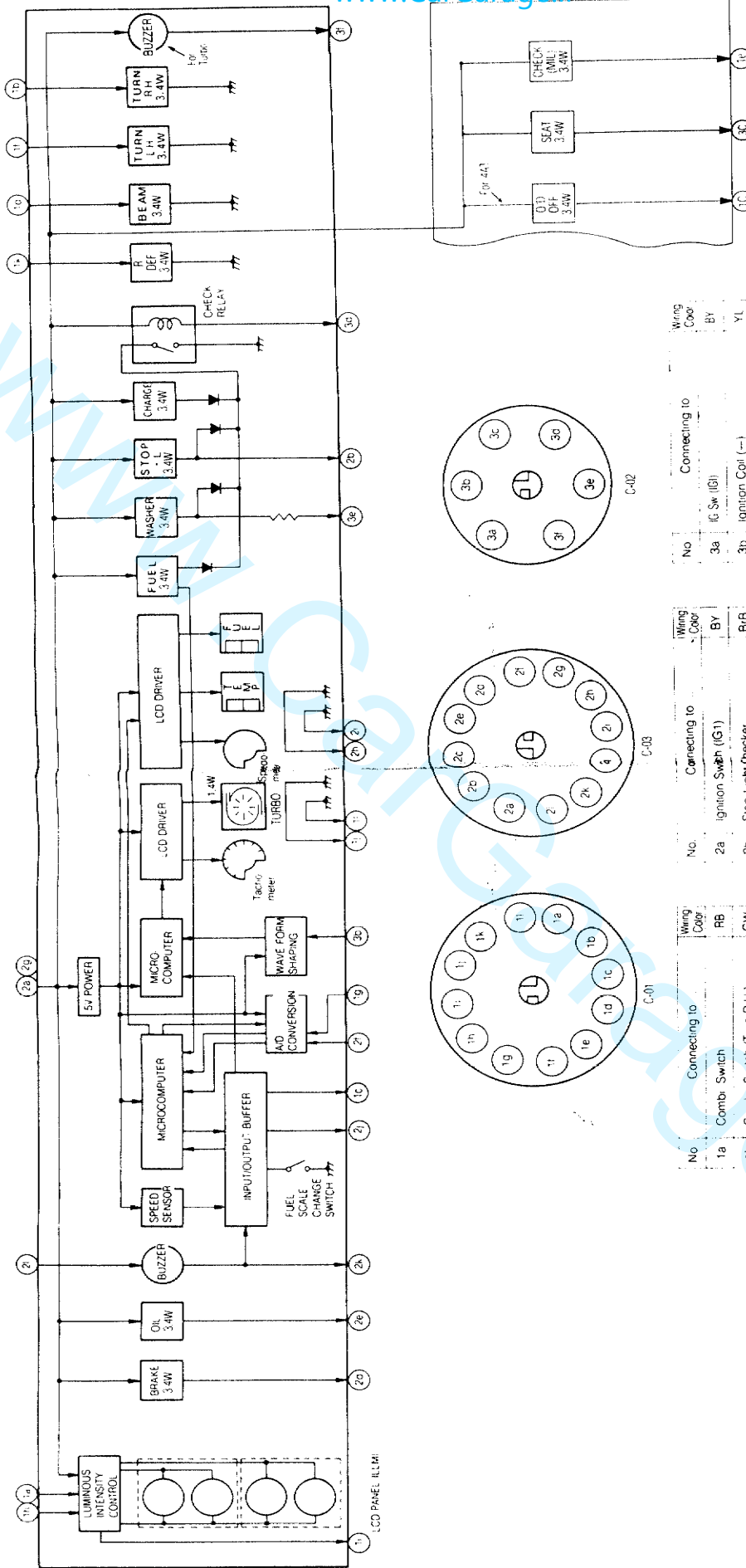






# 50 WIRING DIAGRAM LIQUID CRYSTAL DISPLAY (ELECTRONIC) METER

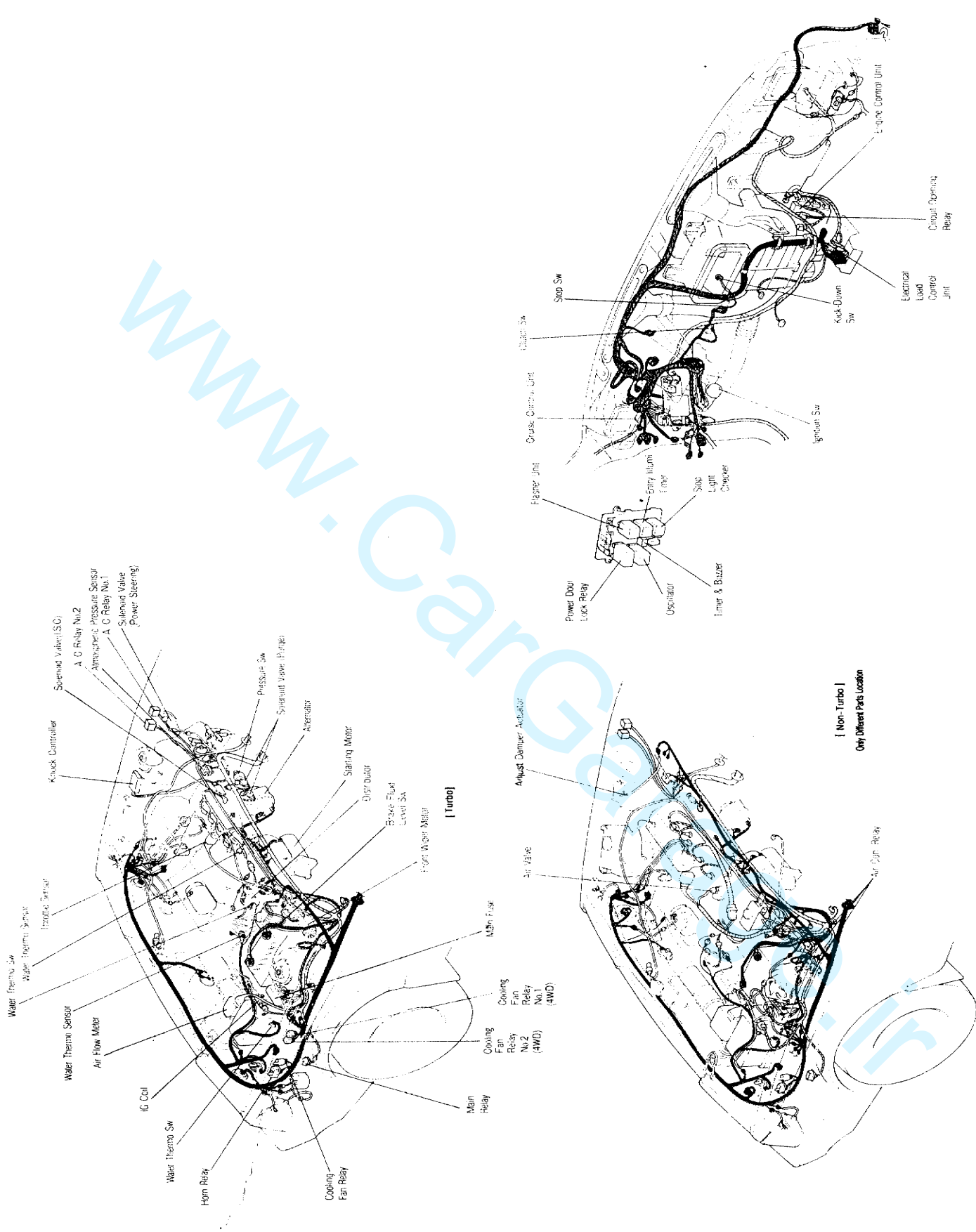
Note  
\* Not Used



No	Connecting to	Wiring Color
3a	(G Sw (IB))	BY
3b	Ignition Coil (-)	YL
3c	Tuner & Buzzer (Seat Belt)	GO
3d	Alternator	WB
3e	Washer Level Sensor	G
3f	Pressure Switch (for Turbo)	Lg

No	Connecting to	Wiring Color
2a	Ignition Switch (IG1)	BY
2b	Stop Light (Checker)	Br/B
2c		WR
2d	Brake Fluid Level Switch	Br/W
2e	Oil Pressure Switch	YR
2f	Fuel Tank Dri	Y
2g	Ignition Switch (IG1)	BY
2h	Ground	B
2i	Ground	B
2j	Height Control Unit (for 4WD)	GR
2k	Oscillator	Br
2l	Battery (+ & -)	LY

No	Connecting to	Wiring Color
1a	Combi. Switch	RB
1b	Combi. Switch (Turn R/H)	GW
1c	Engine Control Unit (for Turbo)	WL
1d	Combi. Switch (High Beam)	RW
1e	Engine Control Unit	Lg
1f	Combi. Switch (Turn L/H)	GB
1g	Water Temp. Sensor	YW
1h	Panel Light Control	RG
1i	Ground	B
1j	Ground	BG
1k	Rear Window Defroster Sw	BY
1l	Ground	BG



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