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#### **Kevin Wright**

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who laboriously scanned, post-processed, Distilled, and organized the original 1982 (May 1981 printing) wiring diagram provided by Michael DeVantier (Thanks!).

There are several ways to get around in the document. I have provided Bookmarks to all the sections and subsections, and thumbnails are also provided in the Thumbnails side bar.

Only a few of the pages in the original document were of the fold-out variety, and only one really needs to be split into multiple documents. This page has been provided in full sheet and segmented versions, as indicated in the Bookmarks. These pages probably should be printed out on 11" x 17" paper if available, but are still readable on 8.5" x 11" paper. You could also print out the segmented versions and attach them together, if so desired (or not. Whatever you want, eh?)

I have also included a label for the spine of a binder, for those who wish to print out all the pages and keep a dead-tree edition handy. ©

The original document is © 1981 Toyo Kogyo Co., Ltd., and remains so. This version is provided as a service for owners of first generation Mazda RX-7s who are having a devil of a time locating the factory wiring guide for a reasonable price.

If you really want to send me money, email me and I'll tell you where to send it, but it's not necessary. Consider this payback for all the good advice and information gleaned from the various RX-7 email lists!

Subscribe to the Early Mazda Rotaries email list:
Send an email with "subscribe" (without the quotes) to <a href="mailto:list-request@sa22c.org">list-request@sa22c.org</a>

See <a href="http://www.dfw-rx7.com">http://www.dfw-rx7.com</a> for information on the DFW-RX7 email list.

# Mazda RX-7

1982 Wiring Diagram



# Mazda RX-7

# 1982 Wiring Diagram

#### **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. Toyo Kogyo reserves the right to make changes without previous notice.

This manual is applicable from the following chassis number.

JM1FB331\*CO - 600001

Toyo Kogyo Co., Ltd. HIROSHIMA, JAPAN

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### COMPONENT LIST

Actuator solenoid valve.   B   Air con. solenoid valve.   A   Air con. solenoid valve.   Air con. solenoi	COMPONENT	SECTION	COMPONENT	SECTION
Air con, switch	Actuator solenoid valve.	В	Fuse block	A~J
Air con. switch	1		I _	
Air vent valve         B         Hot start         A           Alternator with regulator         A         Main         A ~ I           Alternator warning light         C         Retractable headlight motor         E           Auto clock         H         Starting motor         A           Back-up light         F         Glass hatch release solenoid         H           Battery         A ~ I         Glove box light         H           Blower motor         G         Glove box light switch         H           Blower motor resistor         G         Headlight         H           Blower motor switch         G         Headlight         E           Brake warning light         C         Headlight cleaner motor         E           Brake warning light checker         C         Headlight cleaner switch         E           Brake warning light checker         C         Headlight cleaner switch         E           Brake warning light checker         C         Headlight cleaner switch         E           Carburetor heater         B         Horn         Horn         F           Chime         B         Horn         Headlight cleaner switch         E           Glay         B         Horn <td>l</td> <td></td> <td></td> <td>Е</td>	l			Е
Alternator with regulator         A         Main         A ~ I           Alternator warning light         C         Retractable headlight motor         E           Auto clock         H         Starting motor         A           Back-up light         F         Glass hatch release solenoid         H           Battery         A ~ I         Glose box light         H           Blower motor         G         Glove box light switch         H           Blower motor resistor         G         Blower motor         E           Blower motor switch         G         Headlight         E           Brake fluid level sensor         C         Headlight cleaner switch         E           Brake warning light         C         Headlight cleaner switch         E           Brake warning light checker         C         Headlight cleaner switch         E           Carburetor heater         B         Horn         E           Chrime         H         Horn         F           Choke & check relay         B         Horn         F           Chine         H         Hort start motor         A           Choke & check relay         B         Hot start motor         A           Choke which &				
Atternator warning light				
Auto clock	•	_		
Back-up light   F   Glass hatch release solenoid   H			· ·	
Back-up light switch.	The clock the contract of the			
Back-up light switch.	Back-up light	F	Glass hatch release solenoid	Н
Blower motor resistor.   G   G   Glove box light switch.   H   Blower motor resistor.   G   G   Glove box light switch.   H   Blower motor switch.   G   G   Headlight.   E   E   E   E   E   E   E   E   E	1		Glass hatch release switch	Н
Blower motor resistor.   G   Blower motor switch   G   Headlight.   E   E   E   E   E   E   E   E   E	Battery	$A \sim I$	Glove box light	Н
Blower motor switch	Blower motor	G	Glove box light switch	Н
Brake fluid level sensor         C         Headlight cleaner motor         E           Brake warning light         C         C         Headlight cleaner switch         E           Brake warning light checker         C         C         Heat headlight cleaner switch         E           Carburetor heater.         B         Horn         F           Chime.         H         Horn         F           Choke & check relay.         B         Hot start motor         A           Choke switch & magnet         B         Hot start motor         A           Choke switch & magnet         B         Hot start motor         A           Choke switch & magnet         B         Hot start motor         A           Choke switch & magnet         B         Hot start motor         A           Control processing unit         D, F, H         Ignition coil.         B           Control processing unit         D, F, H         Ignition switch         B           Combination switch         B         Ignition switch         H           Combination switch         B         Ignition switch light         H           Hazard switch         F         Illumination light         E           Honswitch         E, F, H	Blower motor resistor	G		
Brake warning light checker C Heat hazard sensor B Heat hazard sensor B High beam indicator light E E Carburetor heater B Horn relay. F Horn relay. F A Choke & check relay B Horn relay. F A Choke switch & magnet B Hot start motor A A Choke switch & magnet B Hot start relay. A Cligarette lighter B HOrn relay. A B Hot start relay. A Closer switch B Horn switch B Ignition coil. B Ignition switch B Ignition switch B Ignition switch Ignition switch B Ignition switch light H A C D F F H Illumination light E Illumination light E Interior & spot light H Illumination light B Interior & spot light H Intermittent relay D Set switch B Interior & spot light H Intermittent relay D Set switch B Inte	Blower motor switch	G	Headlight	E
Brake warning light checker	Brake fluid level sensor	С	Headlight cleaner motor	E
High beam indicator light			_	
Carburetor heater         B         Horn         F           Chime         H         Horn relay         F           Choke & check relay         B         Hot start motor         A           Choke switch & magnet         B         Hot start relay         A           Choke switch         B         Ignition switch         B           Countrol processing unit         D, F, H         Ignition coil         B           Control processing unit         D, F, H         Ignition coil         B           Combination switch         B         Ignition switch         H           Coast switch         B         Ignition switch light         H           H Hazard switch         F         Illumination light         E           Light switch         F         Instituton light         E           H Hazard switch         F         Instituton switch light         H           Interior switch <td>Brake warning light checker</td> <td>С</td> <td></td> <td></td>	Brake warning light checker	С		
Chime       H       Horn relay       F         Choke & check relay       B       Hot start motor       A         Choke switch & magnet       B       Hot start relay       A         Cigarette lighter       H       H         Clutch switch       B       Igniter       B         Combination switch       D, F, H       Ignition coil.       B         Combination switch       B       Ignition switch       H         Coast switch       B       Ignition switch       H         Coast switch       B       Ignition switch       F         Dimmer switch       E       Ignition switch light       H         Hazard switch       F       Illumination light       E         Harry switch       F       Illumination light       E         Light switch       F       Illumination light       E         Light switch       F       Instrument panel light control       E         Light switch       E       F, H       Inhibitor switch       A, F         Passing switch       E       E, F, H       Inhibitor switch       A, F         Passing switch       E       E, F, H       Inhibitor switch       A       B				
Choke & check relay Choke switch & magnet Cligarette lighter Clutch switch Clutch switch B Control processing unit. Coast switch Coast switch B Dimmer switch B Dimmer switch B Hazard switch B Hot start relay. B Ignitier B Ignitier B Ignitier B Ignition coil. B Ignition switch Ignita B Ignition switch B Ignition switch B Ignita B Ignition switch Ignita B Ignition switch B Ignition switch				_
Choke switch & magnet	l			
Cigarette lighter       H         Clutch switch       B         Control processing unit       D, F, H         Combination switch       Ignition key reminder switch       B         Coast switch       B       Ignition key reminder switch       H         Coast switch       B       Ignition key reminder switch       H         Light switch       E       Ignition switch light       H         Hazard switch       F       Illumination light       E         Horn switch       F       Illumination light       E         Horn switch       F       Illumination light       E         Light switch       F       Instrument panel light control       E         Instrument panel light control       E       Instrument panel light control       E         Instrument panel light control       E       Instrument panel light control       E         Instrument panel light control       E       Instrument panel light control       E         Instrument panel light control       E       Instrument panel light control       E         Instrument panel light control       E       Instrument panel light control       E         Instrument panel light control       B       Instrument panel light control       E		_		
Clutch switch. B Control processing unit. D, F, H Combination switch Coast switch Coast switch Coast switch Dimmer switch E Hazard switch F Light switch F Light switch F Light switch F Resume switch B Resume switch B Washer switch D Wiper switch D Coolant level sensor C Coolant level unit C Coolant level warning light C Cruise control unit B Door switch B Door switch B Dintermiter B Cruise control unit B Cruise control unit B Emission control unit B Flasher unit F Flost warning temperature switch G Fuel-door release solenoid H Oil pressure gauge G C C Coil level sensor C C C C C C C C C C C C C C C C C C C	I -		Hot start relay	А
Control processing unit.       D, F, H       Ignition coil.       B         Combination switch       B       Ignition key reminder switch.       H         Coast switch       B       Ignition switch.       F         Dimmer switch.       E       Ignition switch light.       H         Hazard switch       F       Illumination light.       E         Horn switch.       F       Illumination light.       E         Horn switch.       F       Illumination light.       E         Light switch.       F       Illumination light.       E         Light switch.       F       Illumination light.       E         Light switch.       E       Instrument panel light control.       E         Illumination light.       E       Illumination light.       E         Illumination light.       Illumination light.       A       A       F         Illumination light.       Illumination light.       Illumination light.       Illumination light.       A       A       B			lanita.	D
Combination switch	1			
Coast switch B Ignition switch F C I I I I I I I I I I I I I I I I I I		D, F, H		ш
Dimmer switch.		R		
Hazard switch F Illumination light E Horn switch F Instrument panel light control E Instrument panel light control E Instrument panel light Switch B Instrument panel light control E Instrument panel light E Instrument panel light Control E Instrument panel light E In	1			
Horn switch. F Light switch	1		-	
Light switch E, F, H Passing switch E Resume switch B Resume switch B Set switch B Turn signal switch F Washer switch D Coolant level sensor C Coolant level warning light C Cruise control unit B Distributor B Door switch B Emission control unit F Flost warning temperature switch G Flost warning light C Cul gauge compartment light warning light G No. 1 water temp. switch B No. 2 water temp. switch B No. 2 water temp. switch B Di pressure gauge unit C Cul gauge. C Cul level warning light C Cul gauge and unit C C Cul level warning light C C Cul level sensor C C Cul level warning light C C				
Passing switch       E       Interior & spot light       H         Resume switch       B       Intermittent relay       D         Set switch       B       Intermittent relay       D         Set switch       B       Kick-down solenoid       B         Washer switch       D       Kick-down switch       B         Wiper switch       D       Kick-down switch       B         Coolant level sensor       C       License light       F         Coolant level warning light       C       Luggage compartment light switch       H         Coulse control unit       B       Main amp       G         Cruise control main switch       B       Main amp       G         Magnet clutch       G       G         Door switch       H       No. 1 air con. relay       G         No. 1 water temp, switch       B         Emission control unit       B       No. 2 water temp, switch       B         Flasher unit       F         Flost warning temperature switch       G       Oil pressure gauge       C         Fuel-door release solenoid       H       Oil pressure gauge unit       C         Fuel gauge       C       Oil level warning light       C <td>l</td> <td></td> <td></td> <td></td>	l			
Resume switch B Set switch B Turn signal switch F Washer switch D Wiper switch D Coolant level sensor C Colant level warning light C Cruise control unit B Cruise control main switch B Door switch B Door switch B Emission control unit B Flasher unit F Flost warning temperature switch G Full gauge C Fuel gauge tank unit C C Coil level sensor C C Coli level warning light C C License light F C Luggage compartment light H C Luggage compartment light switch H Cruise control unit B Cruise control main switch B Main amp. G Magnet clutch G No. 1 air con. relay G No. 1 water temp. switch B No. 2 water temp. switch B C Oil pressure gauge C C Oil level sensor C C Oil level warning light C	· -			
Set switch B Turn signal switch F Washer switch D Wiper switch D Coolant level sensor C Coolant level unit C Coolant level warning light C Cruise control unit B Cruise control main switch B Door switch B Door switch B Emission control unit B Emission control unit B Flasher unit F Flost warning temperature switch G Fuel gauge C Fuel gauge tank unit C C Coolant level sensor C C C C C C C C C C C C C C C C C C			_	
Turn signal switch F Kick-down solenoid B Washer switch D Kick-down switch. B Kick-down switch. B Wiper switch D Coolant level sensor C License light F Coolant level unit C Luggage compartment light H Coolant level warning light C Luggage compartment light switch H Cruise control unit. B Cruise control main switch B Main amp. G Magnet clutch G Distributor. B Door switch H No.1 air con. relay G No.1 water temp. switch B No.2 air con. relay B No.2 water temp. switch B No.2 water temp			,	
Washer switch       D       Kick-down switch       B         Wiper switch       D       Colant level sensor       C       License light       F         Coolant level unit       C       Luggage compartment light       H         Coolant level warning light       C       Luggage compartment light switch       H         Cruise control unit       B       Main amp.       G         Cruise control main switch       B       Main amp.       G         Magnet clutch       G         Door switch       H       No. 1 air con. relay       G         No. 1 water temp. switch       B         Emission control unit       B       No. 2 air con. relay       B         No. 2 water temp. switch       B         Flasher unit       F         Flost warning temperature switch       G       Oil pressure gauge       C         Fuel-door release solenoid       H       Oil pressure gauge unit       C         Fuel gauge       C       Oil level sensor       C         Fuel gauge tank unit       C       Oil level warning light       C	l		Kick-down solenoid	В
Coolant level sensor . C	· ·		Kick-down switch	В
Coolant level unit	Wiper switch	D		
Coolant level warning light       C       Luggage compartment light switch       H         Cruise control unit       B       Main amp.       G         Cruise control main switch       B       Magnet clutch       G         Distributor       B       No. 1 air con, relay       G         Door switch       H       No. 1 air con, relay       G         No. 1 water temp, switch       B       No. 2 air con, relay       B         No. 2 water temp, switch       B       No. 2 water temp, switch       B         Flost warning temperature switch       G       Oil pressure gauge       C         Fuel-door release solenoid       H       Oil pressure gauge unit       C         Fuel gauge       C       Oil level sensor       C         Fuel gauge tank unit       C       Oil level warning light       C	Coolant level sensor	С	License light	F
Cruise control unit	Coolant level unit	С	Luggage compartment light	Н
Cruise control main switch B Main amp. G  Magnet clutch G  Magnet clutch G  Magnet clutch G  Magnet clutch G  No. 1 air con. relay G  No. 1 water temp. switch B  No. 2 air con. relay B  No. 2 water temp. switch B  Flasher unit F  Flost warning temperature switch G  Fuel-door release solenoid H  Fuel gauge C  Fuel gauge tank unit C  Fuel gauge tank unit C  Fuel gauge tank unit C  Magnet clutch G  No. 1 air con. relay B  No. 2 air con. relay B  No. 2 water temp. switch B  C  Oil pressure gauge C  Oil pressure gauge unit C  C  Oil level sensor C  Oil level warning light C			Luggage compartment light switch	Н
Magnet clutch G  Distributor B  Door switch H  No. 1 air con. relay G  No. 1 water temp. switch B  Emission control unit B  Flasher unit F  Flost warning temperature switch G  Fuel-door release solenoid H  Fuel gauge C  Fuel gauge tank unit C  Oil level sensor C  Oil level warning light C	l			_
Distributor. B Door switch. H No. 1 air con. relay . G No. 1 water temp. switch . B Emission control unit . B Emission control unit . B No. 2 air con. relay . B No. 2 water temp. switch . B  Flasher unit . F Flost warning temperature switch . G Fuel-door release solenoid . H Fuel gauge . C Fuel gauge tank unit . C  Oil level sensor . C Gil level warning light . C	Cruise control main switch	В	•	
Door switch. H No. 1 air con, relay. G No. 1 water temp, switch B No. 2 air con, relay. B No. 2 air con, relay. B No. 2 water temp, switch C Oil pressure gauge C Oil pressure gauge unit. C Oil pressure gauge unit. C Oil level sensor C Oil level sensor C Oil level warning light C C		_	Magnet clutch	G
No. 1 water temp. switch B  No. 2 air con. relay B  No. 2 water temp. switch B  No. 2 water temp. switch B  No. 2 water temp. switch B  Oil pressure gauge C  Fuel-door release solenoid H  Fuel gauge C  Fuel gauge tank unit C  Oil level sensor C  Oil level warning light C			No. 4 also association	0
Emission control unit	Door switch	Н	•	
Flasher unit	Factorian comment of	В		
Flasher unit	Emission control unit	В		
Flost warning temperature switch G Fuel-door release solenoid H Fuel gauge	Elashan unit	_	NO. 2 Water temp, Switch	U
Fuel gauge			Oil pressure gauge	C
Fuel gauge				
Fuel gauge tank unit		_		
Total pullip		_		
	ruer pump	5	33.5	

### COMPONENT LIST

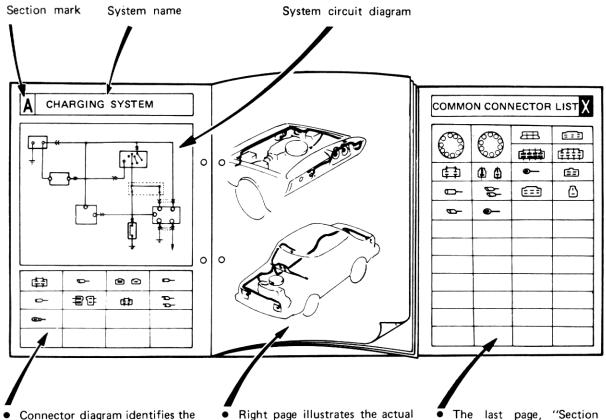
COMPONENT	SECTION	COMPONENT	SECTION
Parking brake switch	С	Speaker	G
Parking light	F	Starting motor	Α
Power antenna motor	G	Stereo	G
Power antenna switch	G	Stop light switch	F
Power antenna relay	G	Stop switch	В
Power window motor	I	Stop & tail light	F
Power window switch	. 1	Stop light checker	F
		Switching solenoid valve	В
Radio	G	Sub-zero motor	Α
Rear wiper & washer switch	D	Sub-zero sensor	Α
Rear window defroster	G		
Rear window defroster indicator light	G	Tachometer	С
Rear window defroster switch	G	Throttle sensor	В
Refrigerant pressure switch	G	Turn signal indicator light	F
Relief solenoid valve	В	Turn & hazard flasher light	F
Remote control mirror	. 1		
Remote control mirror switch	. 1	Vacuum control solenoid valve	В
Retractable headlight motor	E	Vehicle speed switch	В
Retractable headlight switch	E	Voltage meter	С
Retractor indicator light	E	Voltage regulator	С
Seat belt switch	н	Washer motor	D
Seat belt warning light	Н	Water temp. gauge	С
Shutter valve solenoid valve	В	Water temp, gauge unit	С
Side marker light	, F	Wiper motor	D

#### 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:



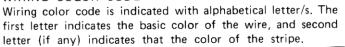
Connector diagram identifies the exclusive applicable connectors for the circuit.

CONNECTOR Female Male location of each connector and the routing diagram of the harness.

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

## O

#### WIRING COLOR CODE



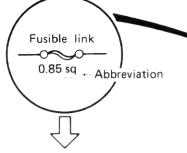
Fusible link

Basic color \

Stripe color

CODE	COLOR	CODE	COLOR
В	Black	Lg	Light green
Br	Brown	0	Orange
G	Green	R	Red
L	Blue	Υ	Yellow
Lb	Light blue	W	White

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

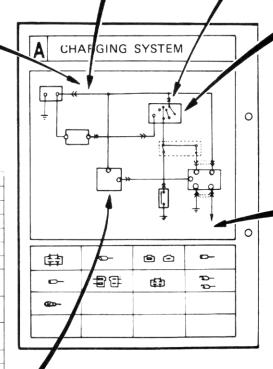


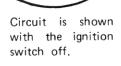
#### ABBREVIATIONS USED IN THIS BOOKLET

Abbr.	Term	Abbr.	Term
St	Start	Α	Ampere
IG	Ignition	W	Watt
ACC	Accessary	R	Resistance
AS	Auto stop	Tr	Transistor
INT	Intermittent	M	Motor
Lo	Low	SW	Switch
Mi	Middle	S.a.	Square per
Hi	High	Sq	millimeter
R.H.	Right hand	A/T	Automatic
L.H.	Left hand	Α/Ι	transmission
F.R	Front right	M/T	Manual
F.L	Front left	101/1	transmission
R.R	Rear right	NO	Normal opened
R.L	Rear left	NC	Normal closed
V	Volt		
			<u> </u>

NO type relay

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.





CONNECTOR

Female Male

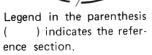
Ignition switch

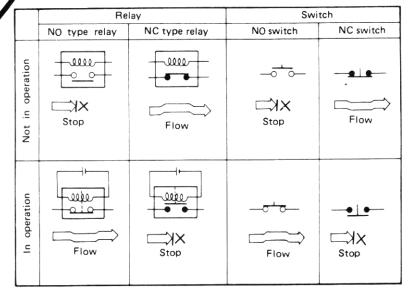
OFF

To alternator warning light

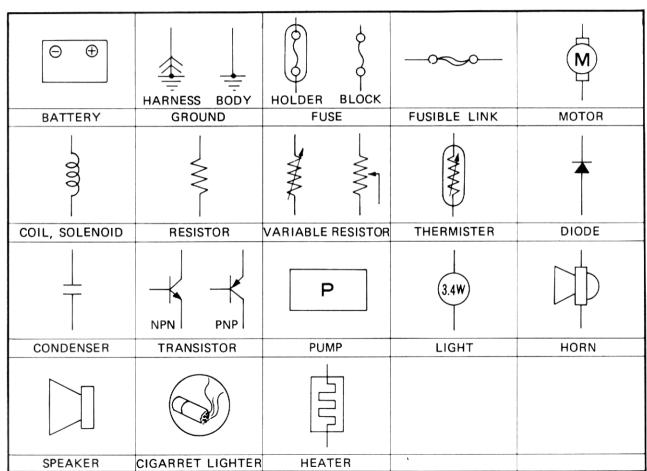
(Section C)

Ø ACC





#### SYMBOL IN THIS WIRING DIAGRAM



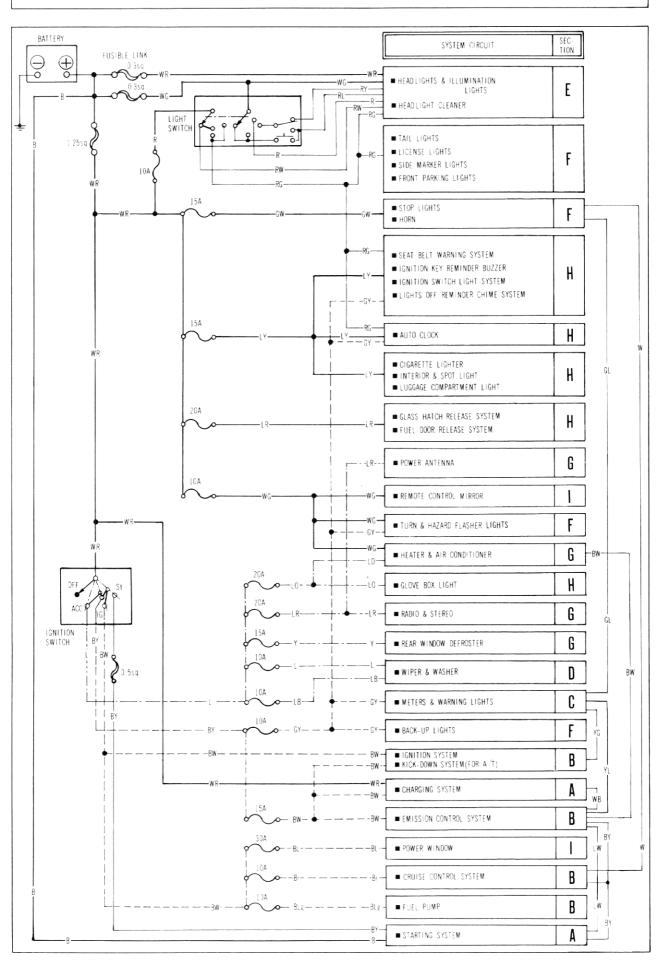
# ELECTRICAL WIRING SCHEMATIC

CURRENT FROM BATTERY

CURRENT FROM IG TERMINAL OF IGNITION SWITCH

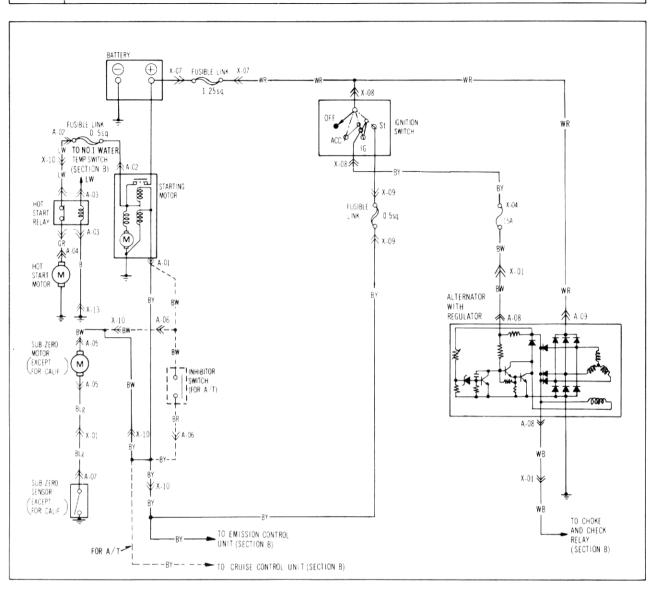
CURRENT FROM ACC TERMINAL OF IGNITION SWITCH

OTHERS



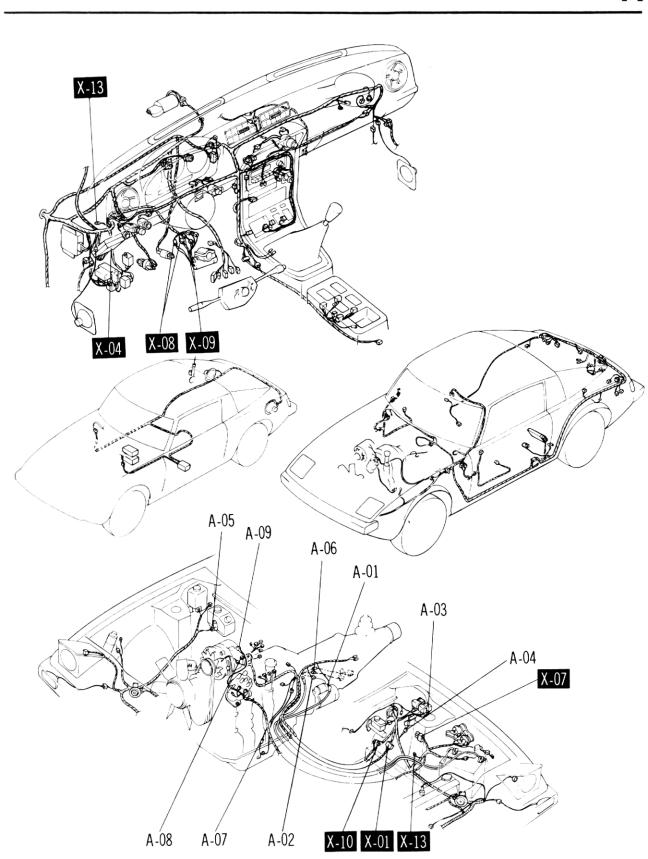


#### ■CHARGING SYSTEM ■STARTING SYSTEM



A-01 STARTING MOTOR	A-02 FUSIBLE LINK	A-03 HOT START RELAY	A-04 HOT START MOTOR
BY(FOR M /T) BW(FOR A /T)	OF 0 5sq I I I I I I I I I I I I I I I I I I I	X LW GR	GR GR
A-05 SUB-ZERO MOTOR (EXCEPT FOR CALIF)	A-06 INHIBITOR SWITCH (FOR A/T)	A-07 SUB-ZERO SENSOR (EXCEPT FOR CALIF.)	A-08 ALTERNATOR WITH REGULATOR
BW Blg	BY GY BW RW	©∑ BLg	₽W BW
A-09 ALTERNATOR WITH REGULATOR			
WR-□⊙			

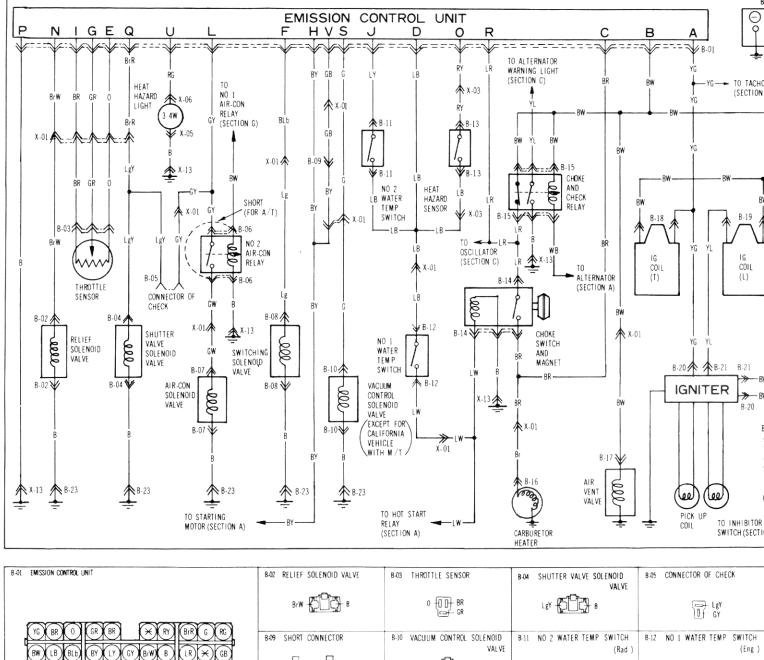
Note: ★…Not Used



Note: ★…Not Used

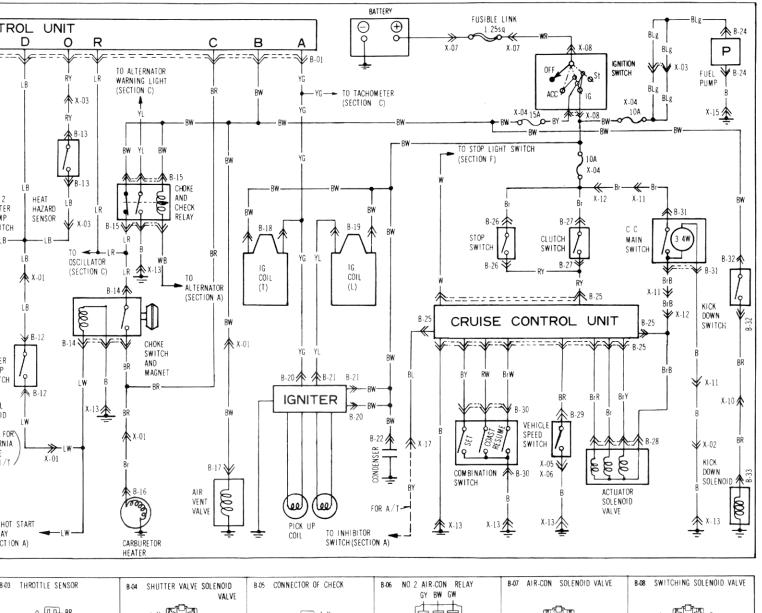
**■**CRUISE CONTROL ■EMISSION CONTROL SYSTEM ■IGNITION SYSTEM

■KICK DOWN SYSTEM(FOR A/T) **■FUEL PUMP** 



		The received of the re-	July 11 July 12 Senson	VALVE	South Street Street
		вгж 🔁 📆 в	O (1) D BR	г <sup>8</sup> А. <b>Д. Д. Д. В</b>	LgY
YG BR O GR BR BW (LB) BLb) BY (LY) (G	RY BIR G RG	B-09 SHORT CONNECTOR	B-10 VACUUM CONTROL SOLENOID VALVE	B-11 NO.2 WATER TEMP SWITCH (Rad.)	B-12 NO 1 WATER TEMP. SWITCH (Eng.)
		BY GB	G (500) 8	LB LY	LR LW
B-16 CARBURETOR HEATER	B-17 AIR VENT VALVE	B-18 IGNITION COIL (T)	B-19 IGNITION COIL (L)	B-20 IGNITER (T)	B-21 IGNITER (L)
Br	BW	VC BW ←C©	BW -CO	YG BW	₩ YL
B-25 CRUISE CONTROL UNIT		B-26 STOP SWITCH	B-27 CLUTCH SWITCH	B-28 ACTUATOR SOLENOID VALVE	B-29 VEHICLE SPEED SWITCH
Bry Br RY	BY BIW B	Br RY	Br RY	Br Br Br Br Y	BR BR
Br BL BrB	BR (RW) (X) (W)	B-33 KICK DOWN SOLENOID			
		<b>₫</b> ————————————————————————————————————			

# ■IGNITION SYSTEM ■CRUISE CONTROL SYSTEM ■FUEL PUMP

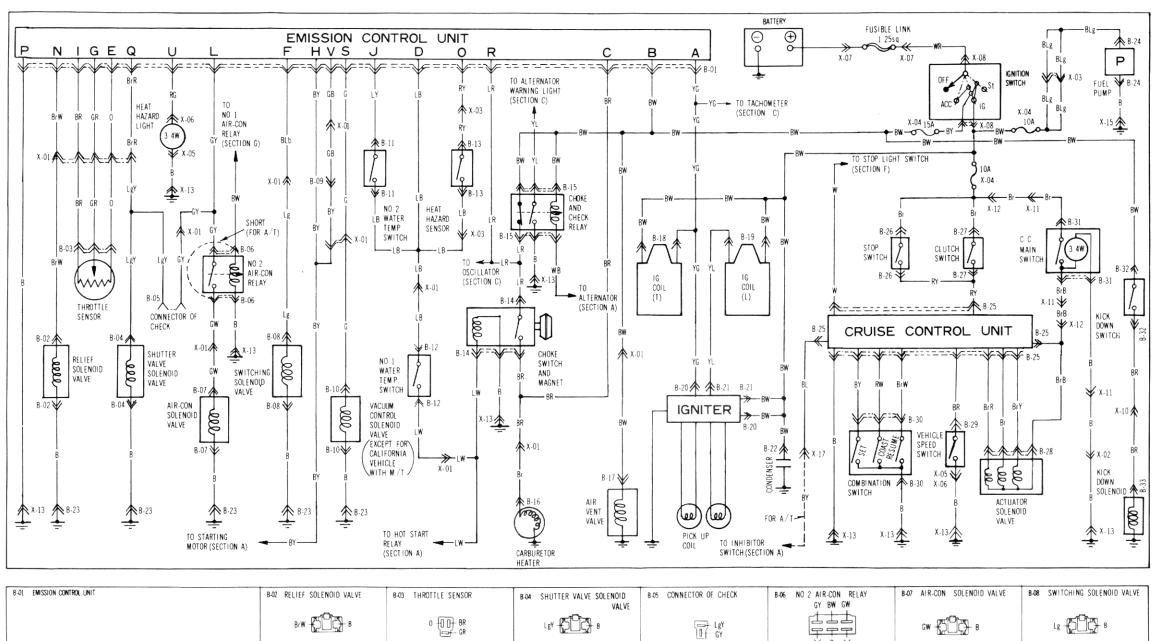


B-03 THROTTLE SENSOR	B-04 SHUTTER VALVE SOLENOID VALVE	B-05 CONNECTOR OF CHECK	B-06 NO.2 AIR-CON RELAY GY BW GW	B-07 AIR-CON SOLENOID VALVE	B-08 SWITCHING SOLENOID VALVE
O (11) BR	т8 <b>Х - ДОДОЗ</b> В	LgY GY	* B *	c <b>w {5<sup>™</sup>}</b> 8	lg ∰ B
B-10 VACUUM CONTROL SOLENOID VALVE	B-11 NO. 2 WATER TEMP SWITCH	B-12 NO 1 WATER TEMP. SWITCH	B-13 HEAT HAZARD SENSOR	B-14 CHOKE SWITCH AND MAGNET	B-15 CHOKE AND CHECK RELAY
G SS B	(Rad )	(Eng )	LB OF RY	* BR * * OYOUOYO  OLO OLO  LW LR B *	LR B WB BW YL
B-19 IGNITION COIL (L)	B-20 IGNITER (T)	B-21 IGNITER (L)	B-22 CONDENSER	B-23 GROUND	B-24 FUEL PUMP
BW -⊂⊚ YL	YG D BW	YL BW	€—— вw	В -СС	BL g B
B-27 CLUTCH SWITCH	B-28 ACTUATOR SOLENOID VALVE	B-29 VEHICLE SPEED SWITCH	B-30 COMBINATION SWITCH	B-31 C C MAIN SWITCH	B-32 KICK DOWN SWITCH
Br RY	BrR BrB Br BrY	BR	BrW BY	B BrB	BW BR

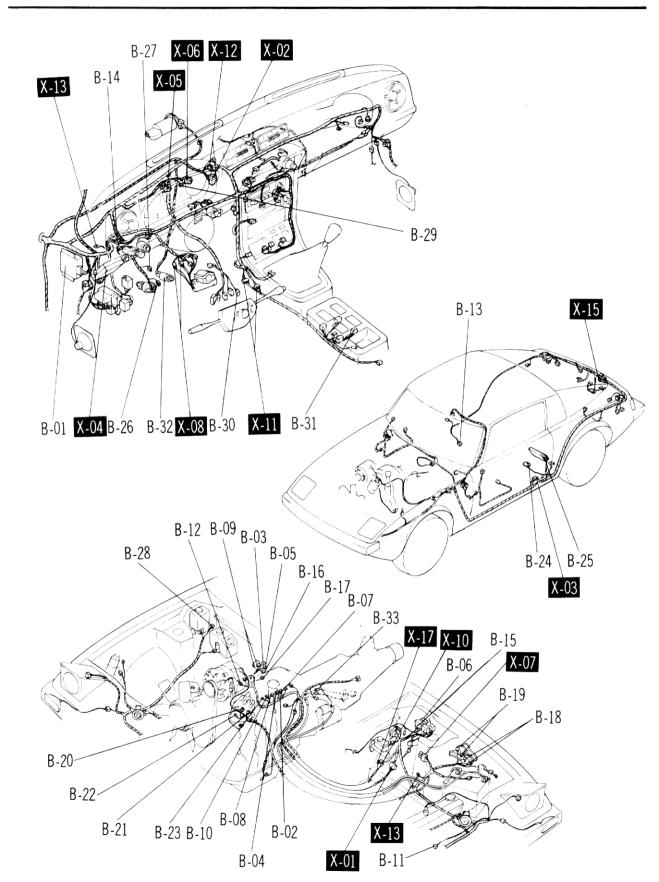
B

Note: ★…Not Used

■EMISSION CONTROL SYSTEM ■IGNITION SYSTEM ■CRUISE CONTROL SYSTEM
■KICK DOWN SYSTEM(FOR A/T) ■FUEL PUMP

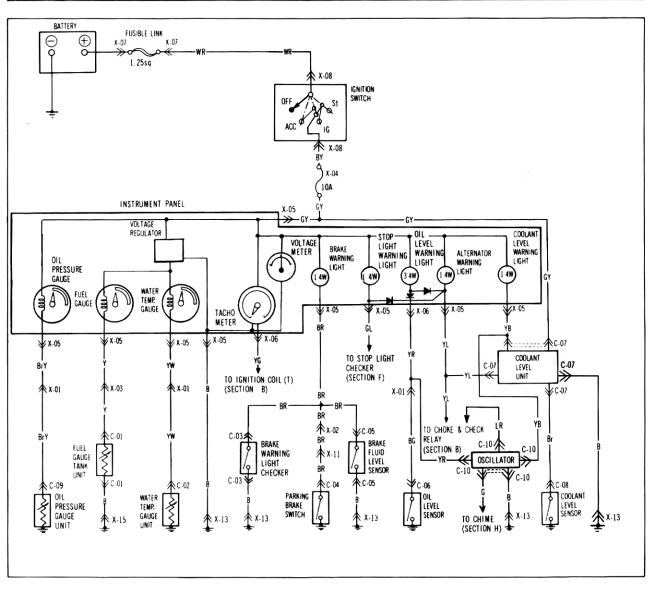


B-01 EMISSION CONTROL UNIT		B-02 RELIEF SOLENOID VALVE	B-03 THROTTLE SENSOR	B-04 SHUTTER VALVE SOLENOID VALVE	B-05 CONNECTOR OF CHECK	B-06 NO.2 AIR-CON. RELAY GY BW GW	B-07 AIR-CON SOLENOID VALVE	8-08 SWITCHING SOLENOID VALVE
		Вг <b>W</b>	O (D) BR	LgY ₹	GY GY	### * B *	cw <b>{5</b> 17} 8	ιg <b>- (5) □ (3)</b> - в
	RY BIR G RG	B-09 SHORT CONNECTOR	B-10 VACUUM CONTROL SOLENOID	B-11 NO.2 WATER TEMP SWITCH	B-12 NO 1 WATER TEMP. SWITCH	B-13 HEAT HAZARD SENSOR	B-14 CHOKE SWITCH AND MAGNET	B-15 CHOKE AND CHECK RELAY
BW LB BLD BY LY GY BW	B LR × GB	BY GB	G G B	(Rad )	(Eng )	LB D RY	* BR * * OYOUOYO  LW LR B *	LR B  LR B  WB  BW YL
B-16 CARBURETOR HEATER B-17	AIR VENT VALVE	B-18 IGNITION COIL (T)	B-19 IGNITION COIL (L)	B-20 IGNITER (T)	B-21 IGNITER (L)	B-22 CONDENSER	B-23 GROUND	B-24 FUEL PUMP
Br	BW	FG BW ←□◎	BW -⊂⊐⊚ YL	D YG	YL BW	<b>0</b> —— вw	8 -	BL g
B-25 CRUISE CONTROL UNIT		B-26 STOP SWITCH	B-27 CLUTCH SWITCH	B-28 ACTUATOR SOLENOID VALVE	B-29 VEHICLE SPEED SWITCH	B-30 COMBINATION SWITCH	B-31 C.C. MAIN SWITCH	B-32 KICK DOWN SWITCH
	BY BrW B	Br RY	Br LF RY	Br Br Br Y	BR	BrW BY	B BrB	BW BR
Br BL BrB BR	(RW)(*)(W)	B-33 KICK DOWN SOLENOID						
		<b>(</b> − 8R						



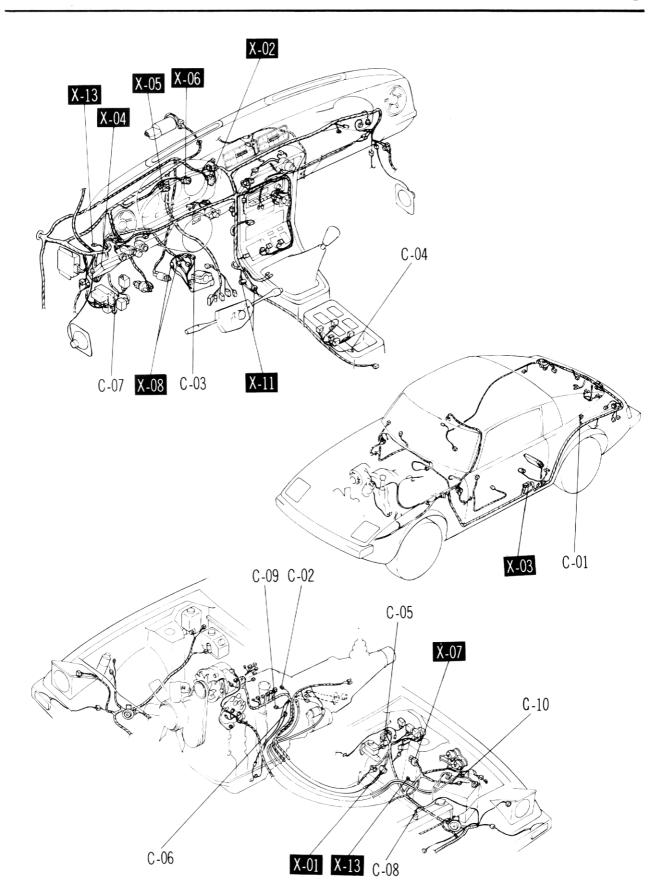


#### ■METERS & WARNING LIGHTS



C-01 FUEL GAUGE TANK UNIT	C-02 WATER TEMP GAUGE UNIT	C-03 BRAKE WARNING LIGHT CHECKER	C-04 PARKING BRAKE SWITCH
<b>₽</b> 8	<b>(</b>	BR ×	<b>S</b> BR
C-05 BRAKE FLUID LEVEL SENSOR	C-06 OIL LEVEL SENSOR	C-07 COOLANT LEVEL UNIT	C-08 COOLANT LEVEL SENSOR
BR B	<b>8</b> 6	YB YL X	<b>0</b> → Br
C-09 OIL PRESSURE GAUGE UNIT	C-10 OSCILLATOR		
BrY	C YB LR W YR X B		
Note: ★···Not Used			

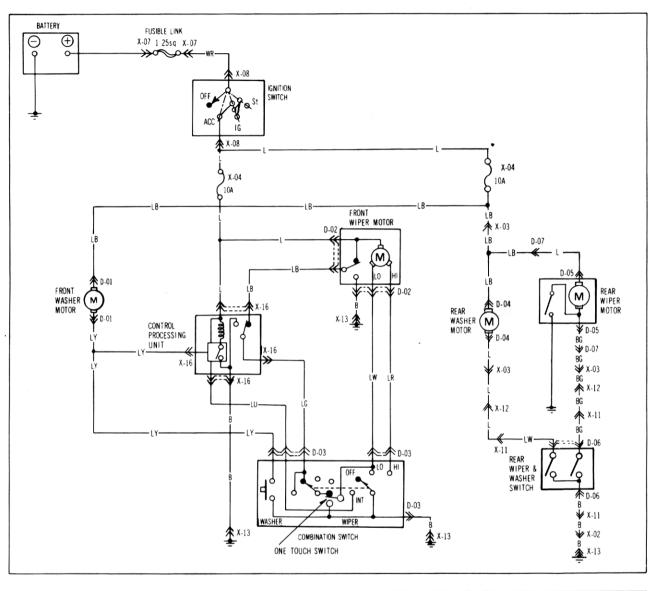
Note: ★…Not Use

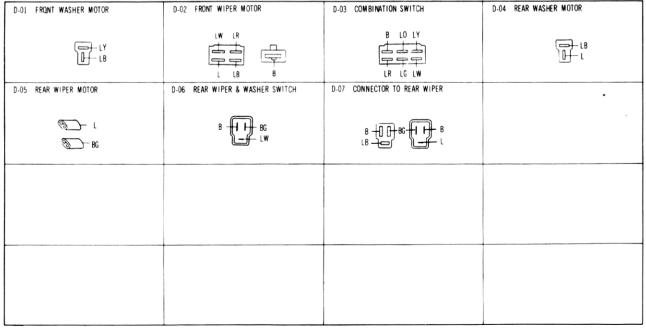


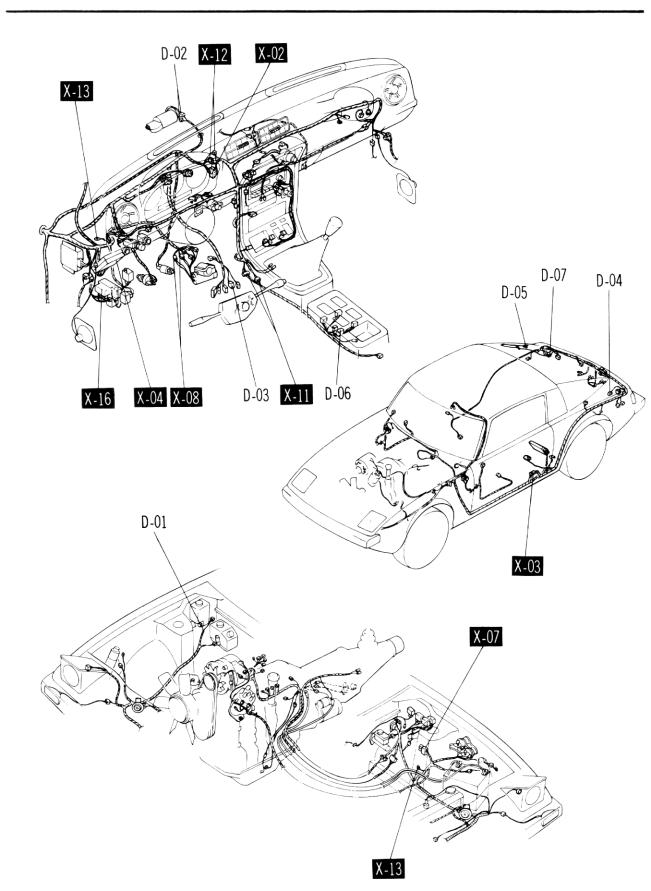
D

## ■FRONT WIPER & WASHER

#### ■REAR WIPER & WASHER



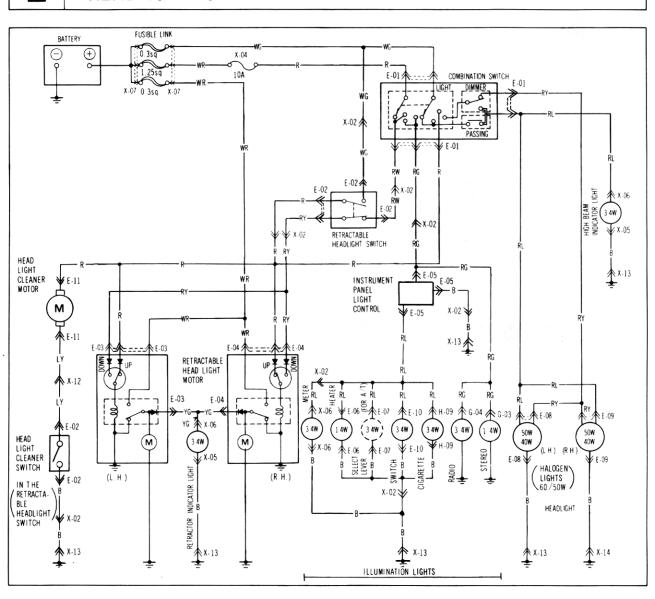


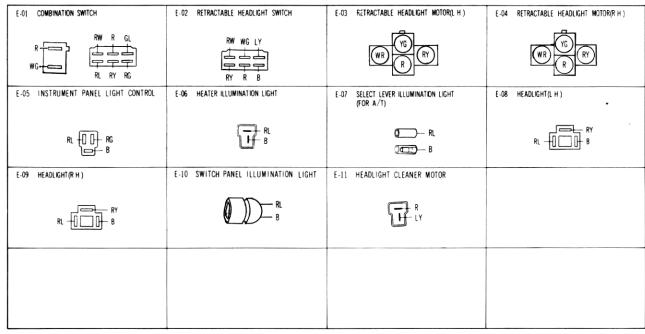


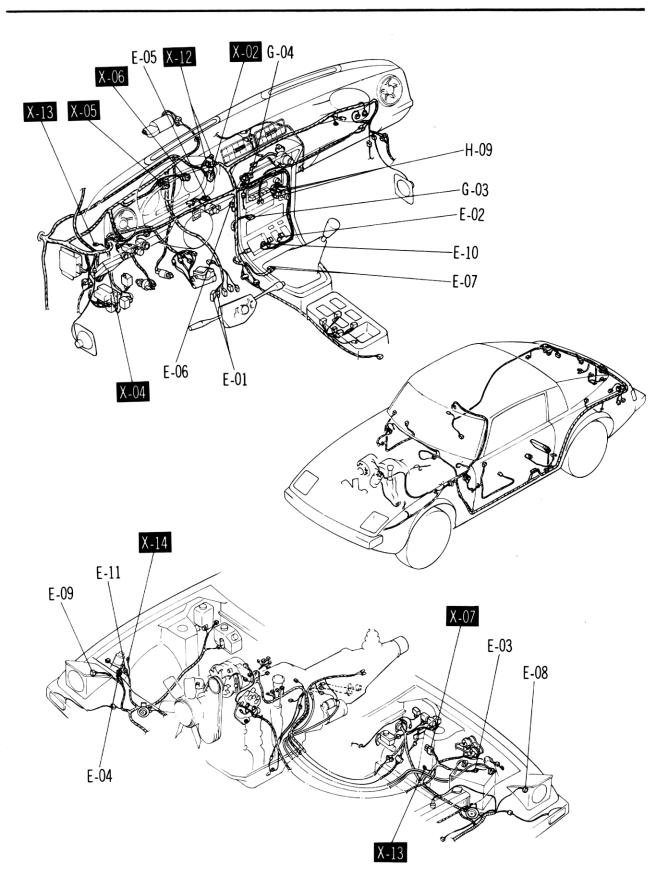
# E

#### ■HEADLIGHTS & ILLUMINATION LIGHTS

#### **■HEADLIGHT CLEANER**

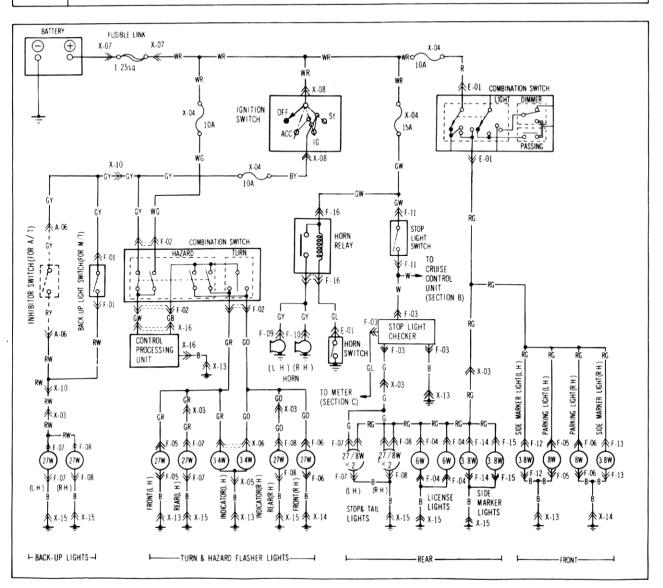




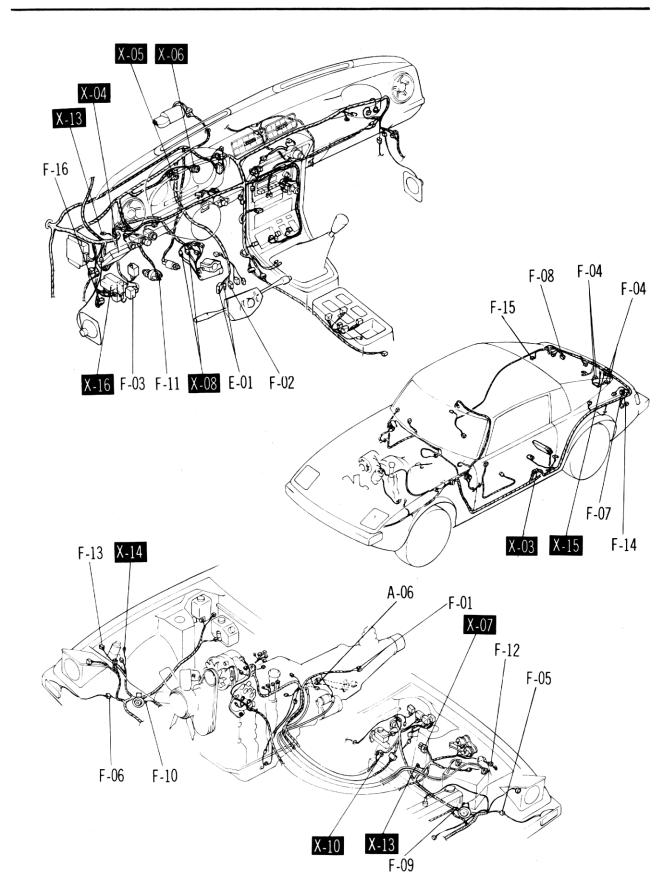


F

■TURN & HAZARD FLASHER LIGHTS ■BACK-UP LIGHTS
■STOP LIGHTS ■LICENSE LIGHTS ■HORN
■SIDE MARKER LIGHTS ■FRONT PARKING LIGHTS
■TAIL LIGHTS



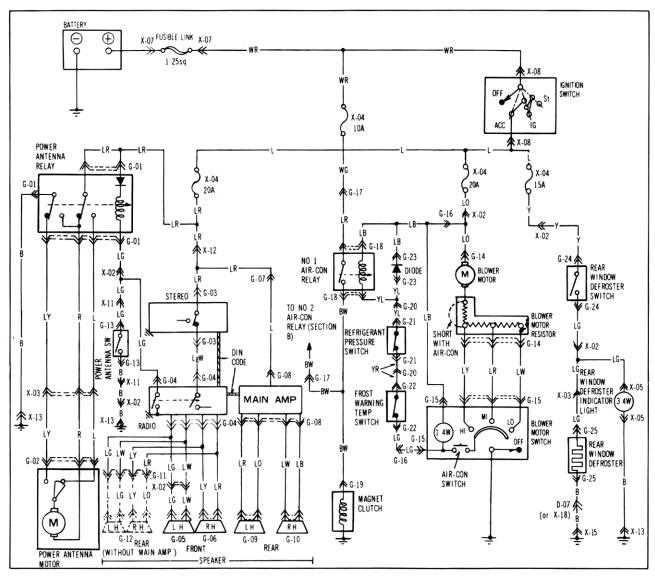
F-01 BACK-UP LIGHT SWITCH	F-02 COMBINATION SWITCH	F-03 STOP LIGHT CHECKER	F-04 LICENSE LIGHT (L.H.). (R.H.)
GY — RW	WG GW GY GR	W GL	<b>K</b> 8
F-05 FRONT TURN & PARKING LIGHT(LH)	F-06 FRONT TURN & PARKING LIGHT(R H)	F-07 REAR COMBINATION LIGHT(L H )	F-08 REAR COMBINATION LIGHT(R H )
RC (II) B	RG D B	GR RW X	GO RW X
F-09 HORN(L H )	F-10 HORN(R H )	F-11 STOP LIGHT SWITCH	F-12 FRONT SIDE MARKER LIGHT (L.H.)
€ CY	Ø── cx	(B) w	B B RG
F-13 FRONT SIDE MARKER LIGHT (R.H.)	F-14 REAR SIDE MARKER LIGHT (L.H.)	F-15 REAR SIDE MARKER LIGHT (R H )	F-16 HORN RELAY
B B	B 80	B RC	c.A. —— er



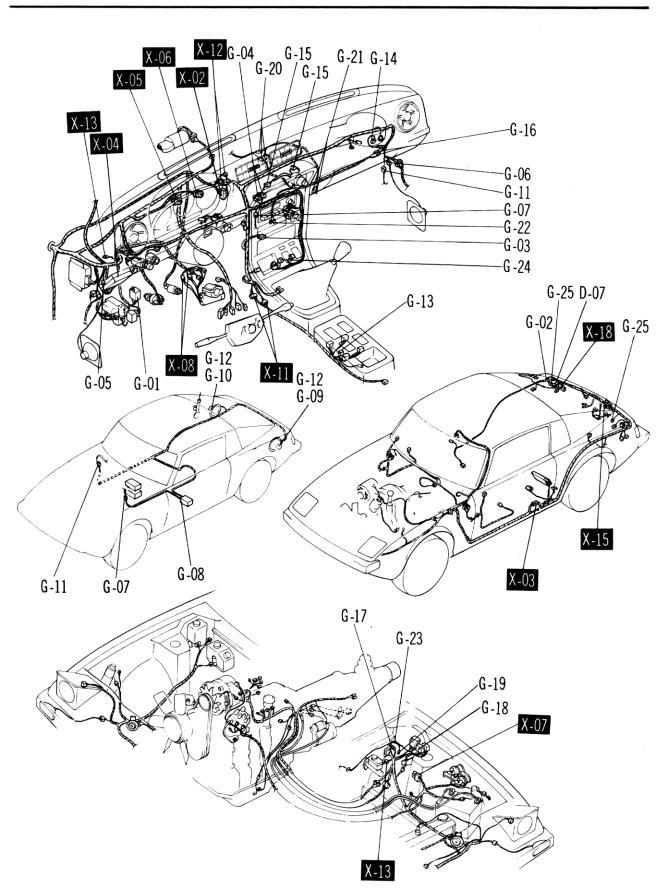
G

### ■STEREO & RADIO ■POWER ANTENNA

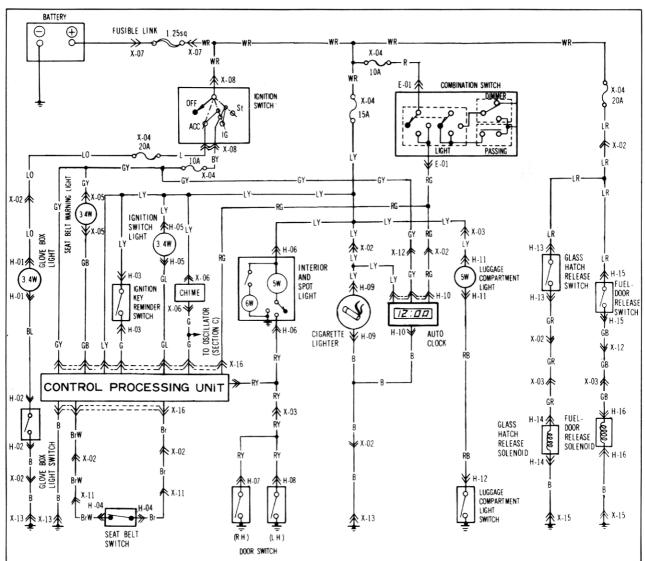
#### ■HEATER & AIR CONDITIONER ■REAR WINDOW DEFROSTER



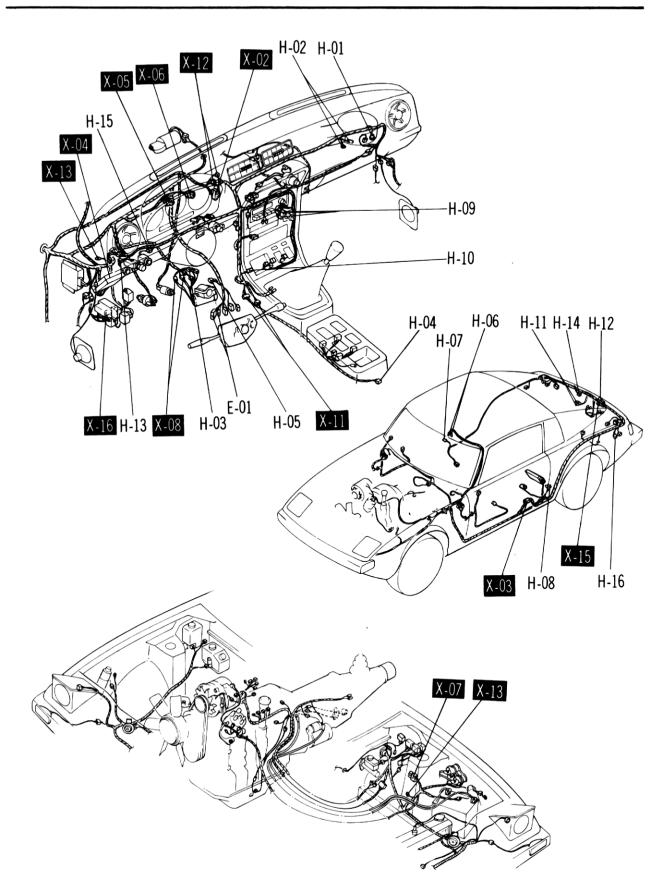
G-01 POWER ANTENNA RELAY	G-02 POWER ANTENNA MOTOR	G-03 STEREO	G-04 RADIO	G-05 FRONT SPEAKER(L H )
LR R LY B	L III LY	× LR ×	LØ LY LØW € LG CG	E LW
G-06 FRONT SPEAKER(R H )	G-07 CONNECTOR TO MAIN AMP	G-08 MAIN AMP	G-09 REAR SPEAKER(L H )	G-10 REAR SPEAKER(R H )
LY LR	₩ <b>1</b>	LO LB	Œ÷ LR Û LO	⊕ LW ⊕ LB
G-11 CONNECTOR TO SPEAKER COL (WITHOUT MAIN AMP)	E G-12 REAR SPEAKER (WITHOUT MAIN AMP)	G-13 POWER ANTENNA SWITCH (WITHOUT RADIO)	G-14 BLOWER MOTOR & RESISTOR	G-15 BLOWER MOTOR SWITCH
LW LR LO LG	(L H ) (R H )	(WITHOUT RADIO)	LO LR	LW LY
IG LY LY L	Fré Fro	E re	LY LW	LG LR LB
G-16 CONNECTOR BETWEEN INPAN AND AIR-CON HARNESS	G-17 CONNECTOR BETWEEN FRONT AND AIR-CON HARNESS	G-18 NO 1 AIR-CON RELAY	G-19 MAGNET CLUTCH	G-20 CONNECTOR TO REFRIGERANT PRESSURE SWITCH
	BW → BW LR	YL 9W	<b>с</b> —>− вw	YR —
G-21 REFRIGERANT PRESSURE SWITE	G-22 FROST WARNING TEMP SWITCH	G-23 DIODE	G-24 REAR WINDOW DEFROSTER	G-25 REAR WINDOW DEFROSTER
YL YR	€ LG € YR	LB YL (IN THE AIR-CON HARNESS)	T CG	€ 6 E C C C C C C C C C C C C C C C C C C
Note: V Not Head				



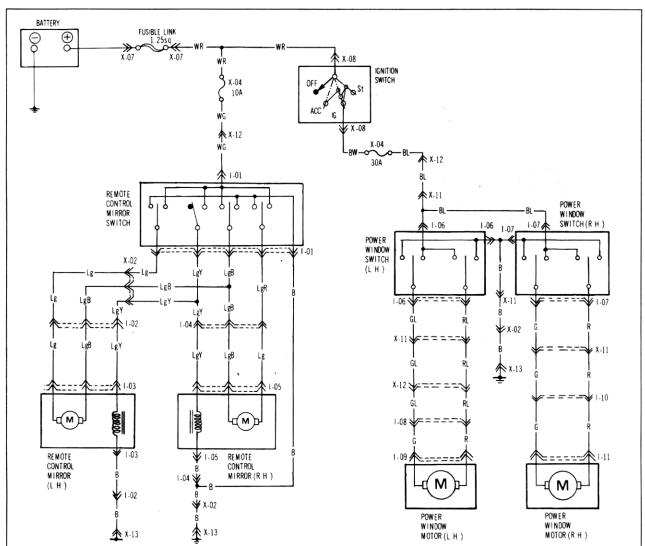
■GLOVE BOX LIGHT ■SEAT BELT WARNING SYSTEM ■CIGARETTE LIGHTER ■IGNITION KEY REMINDER BUZZER ■IGNITION SWITCH LIGHT SYSTEM ■INTERIOR AND SPOT LIGHT ■LIGHTS OFF REMINDER CHIME SYSTEM ■AUTO CLOCK ■LUGGAGE COMPARTMENT LIGHT ■GLASS HATCH RELEASE SYSTEM ■FUEL-DOOR RELEASE SYSTEM

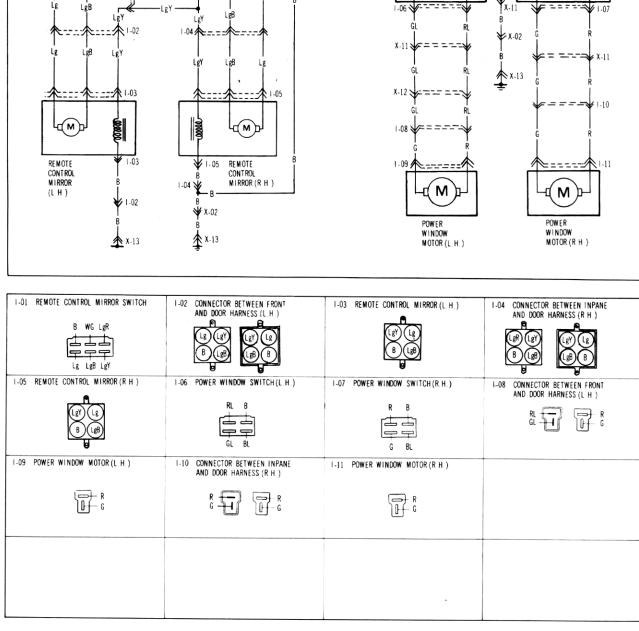


	<b>950</b> 0 001		
H-01 GLOVE BOX LIGHT	H-02 GLOVE BOX LIGHT SWITCH	H-03 IGNITION KEY REMINDER SWITCH	H-04 SEAT BELT SWITCH
LO BL	BL — (TED)	G LY	Br BrW
H-05 IGNITION SWITCH LIGHT	H-06 INTERIOR & SPOT LIGHT	H-07 DOOR SWITCH(FRONT R H )	H-08 DOOR SWITCH(REAR L H )
EL CI	ETT— RY	RY -==	RY -CO
H-09 CIGARETTE LIGHTER	H-10 AUTO CLOCK	H-11 LUGGAGE COMPARTMENT LIGHT	H-12 LUGGAGE COMPARTMENT LIGHT SWITCH
1 LY 1 — RL 5 — B	B RG	€ LY	RB —CCCD
H-13 GLASS HATCH RELEASE SWITCH	H-14 GLASS HATCH RELEASE SOLENOID	H-15 FUEL-DOOR RELEASE SWITCH	H-16 FUEL-DOOR RELEASE SOLENOID
LR LF GR	GR D B	LR X	GB B
Note: ★···Not Used			



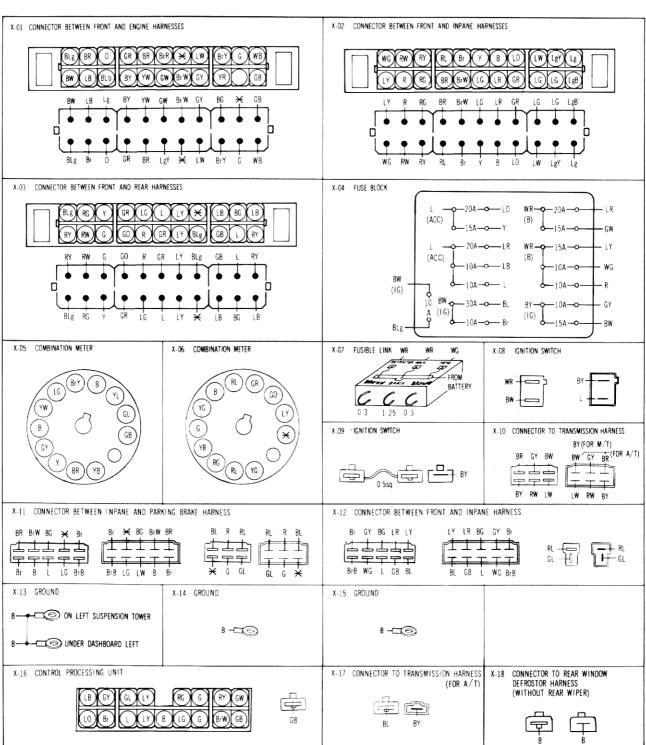
# ■REMOTE CONTROL MIRROR ■POWER WINDOW





#### **■**COMMON CONNECTOR LIST





Mazda RX-7 1982 Mazda RX-7 Wiring Diagram Mazda