Mazda Cosmo

1977

Wiring Diagram

mazda

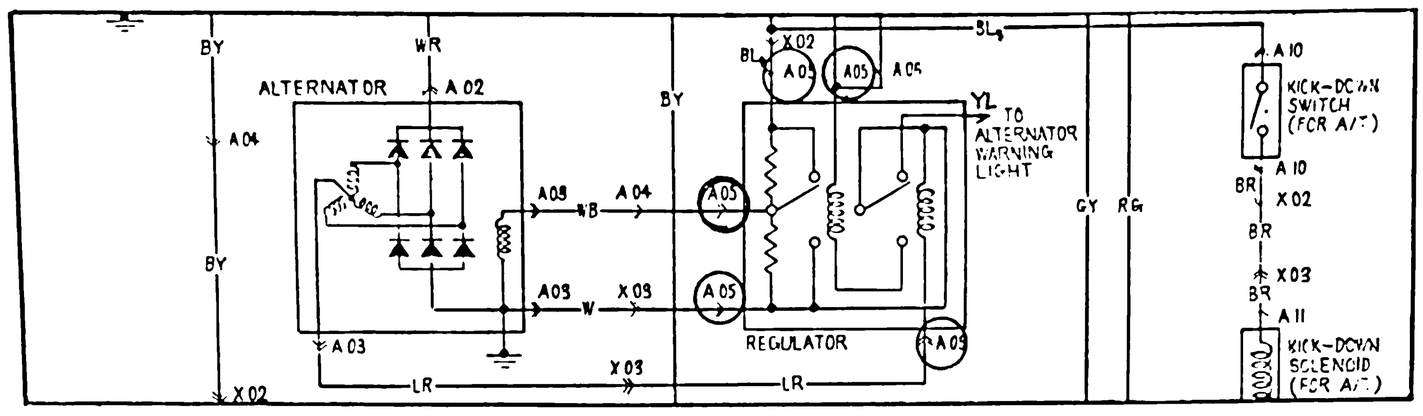
How to use this wiring diagram

In this booklet, whole electrical systems are devided into sub systems, such as charging system, ignition system ---, and the wiring diagram of each system is shown in one page respectively for your easy reference.

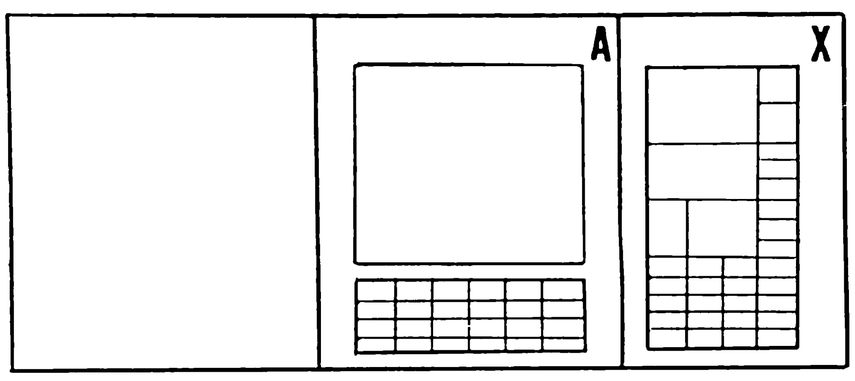
When you have the trouble in the charging system for instance,

1 OPEN THE PAGE OF "CHARGING SYSTEM" AND THE LAST FOLDED PAGE "FOR COMMON CONNECTORS".

2 FIND OUT THE CONNECTORS WHICH YOU WANT TO CHECK ON THE DIAGRAM.

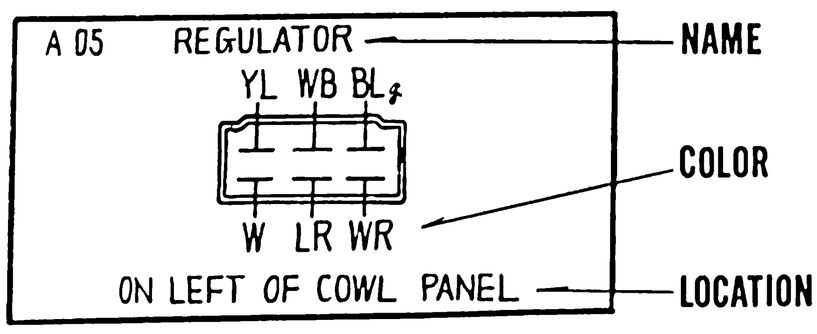


3 THEN LOOK UP THE NUMBER IN THE CONNECTOR LIST.
THE NUMBERS WHICH START WITH "X" ARE LISTED IN THE LAST PAGE. REST OF THEM ARE AT THE BOTTOM OF EACH PAGE "A" "B" "C" -----.



4 THE CONNECTOR LISTS SHOW

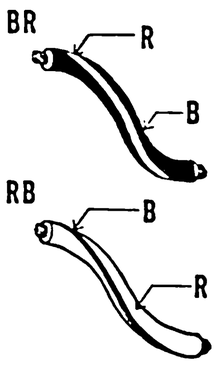
- SHAPE OF CONNECTOR
- LOCATION OF CONNECTOR
- COLORS OF WIRES



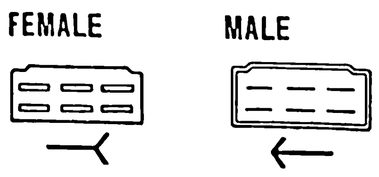
—WIRING CODE—

CODE	COLOR
B	BLACK
Br	BROWN
G	GREEN
Gy	GRAY
L	BLUE
Lg	LIGHT GREEN
O	ORANGE
R	RED
W	WHITE
Y	YELLOW

—EXAMPLE—



—CONNECTOR TYPE—

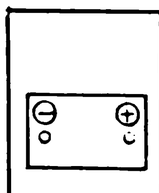
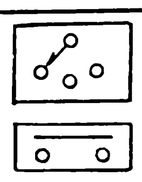
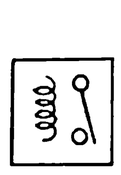


This booklet has two INDEXES, i.e.,

- INDEX OF COMPONENT PARTS IN ALPHABETICAL ORDER
- INDEX OF COMPONENT PARTS BY RESPECTIVE SUB-SYSTEMS

You can locate the component parts on the car by this index.

Symbol in the wiring diagram.

													
BATTERY	GROUND	FUSE FUSIBLE LINK	SWITCH	MOTOR	COIL	RESISTOR	VARIABLE RESISTOR	DIODE	BULB	HORN	SPEAKER	PUMP	RELAY

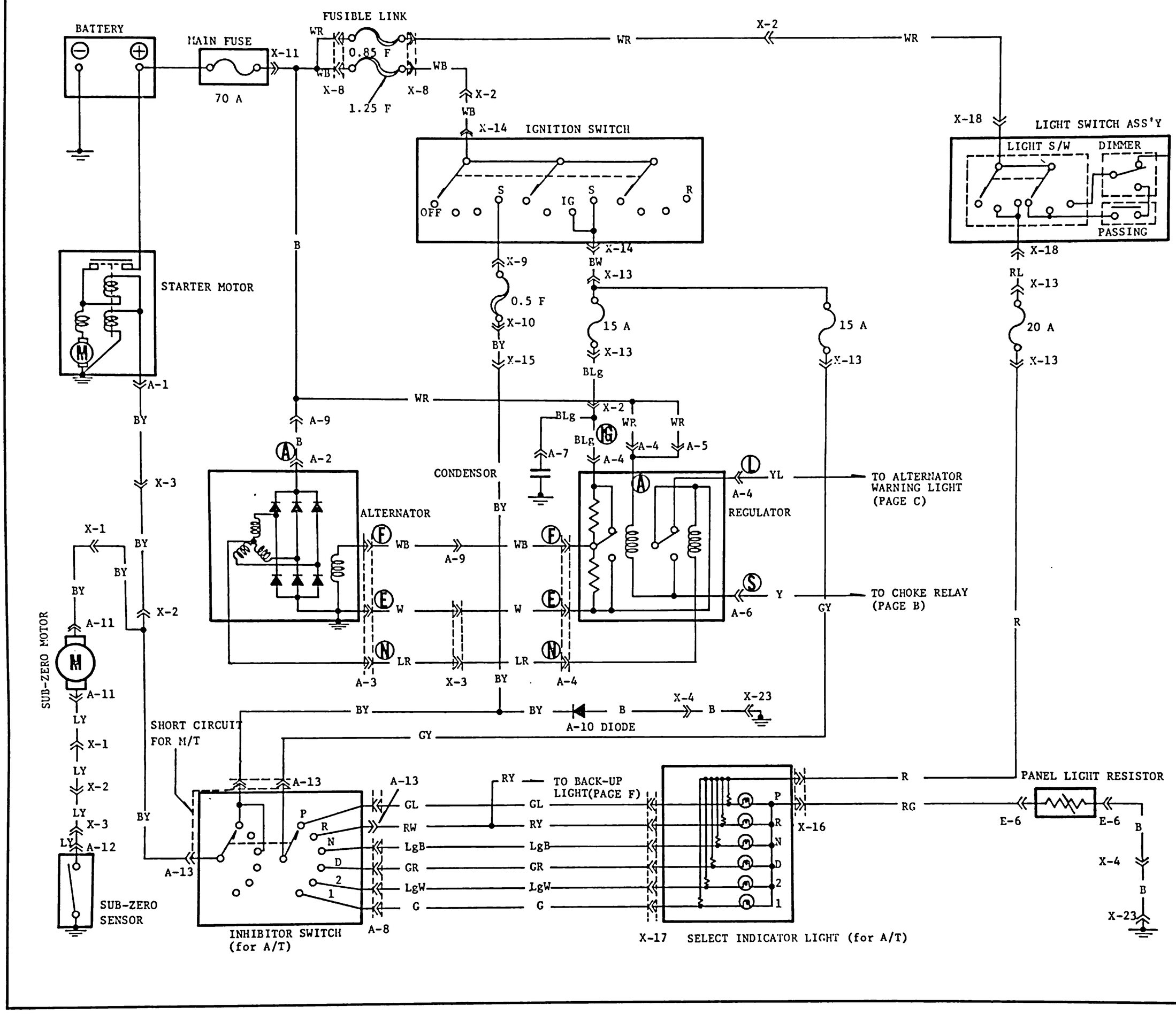
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ALTERNATOR WARNING LIGHT	C
ANTI-AFTERBURN VALVE	B
AUTO CLOCK	H
BACK-UP LIGHT	F
BACK-UP LIGHT SWITCH	F
BATTERY	A~J
BRAKE FAILURE SWITCH	C
BRAKE FLUID LEVEL SENSOR	C
BRAKE WARNING LIGHT	C
BRAKE WARNING LIGHT CHECKER	C
BUZZER	H
CARBURETOR HEATER	B
CENTRAL CONTROL UNIT	
FLASHER UNIT	F
HORN RELAY	F
SCREEN WIPER RELAY	D
CHOKE MAGNET	B
CHOKE RELAY	B
CIGAR LIGHTER	H
COASTING VALVE	B
COMBINATION SWITCH	
DIMMER SWITCH	E
HAZARD SWITCH	F
LIGHT SWITCH ASS'Y	A,E,F,
PASSING HIGH BEAM SWITCH	E
SCREEN WASHER SWITCH	D
SCREEN WIPER SWITCH	D
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LUGGAGE COMPARTMENT LIGHT SWITCH	H
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MILEAGE SENSOR (for A/T)	B
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NO.1 RELIEF VALVE SOLENOID	B
NO.2 RELIEF VALVE SOLENOID	B
NO.1 VACUUM SWITCH	B
NO.2 VACUUM SWITCH	B
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WATER TEMPERATURE SWITCH	B

PAGE	SUB SYSTEM
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B	• EMISSION CONTROL SYSTEM • IGNITION SYSTEM • FUEL PUMP • KICK DOWN SYSTEM
C	• METER SYSTEM • WARNING LIGHT SYSTEM
D	• SCREEN WIPER & WASHER SYSTEM
E	• HEADLIGHT SYSTEM
F	• TURN SUGNAL, HAZARD & STOP LIGHT SYSTEM • HORN • MARKER LIGHT
G	• HEATER SYSTEM • AIR CONDITIONER SYSTEM • RADIO • STEREO
H	• SEAT BELT WARNING SYSTEM • COURTESY LIGHT • LUGGAGE COMPARTMENT LIGHT • GLOVE BOX LIGHT • CIGAR LIGHTER • AUTO CLOCK
I	• REMOTE CONTROL DOOR MIRROR
J	• POWER WINDOW

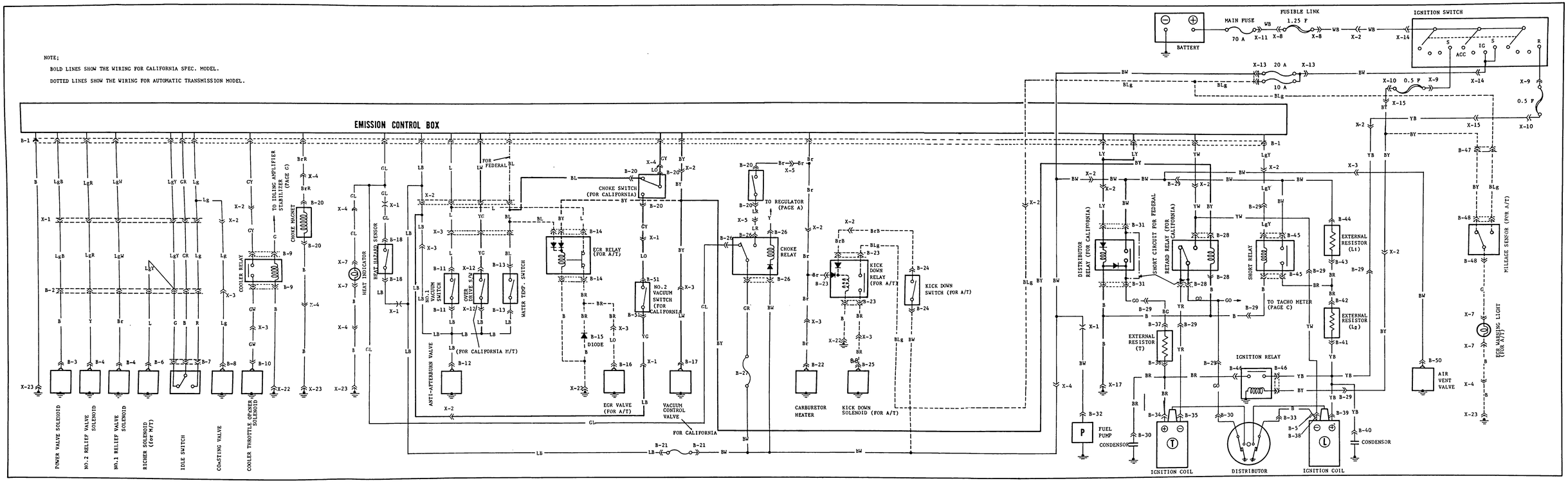
•CHARGING SYSTEM •STARTING SYSTEM

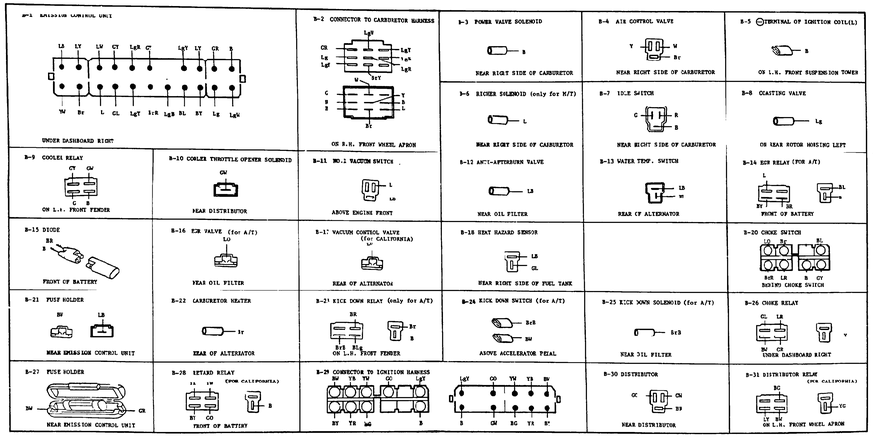
A

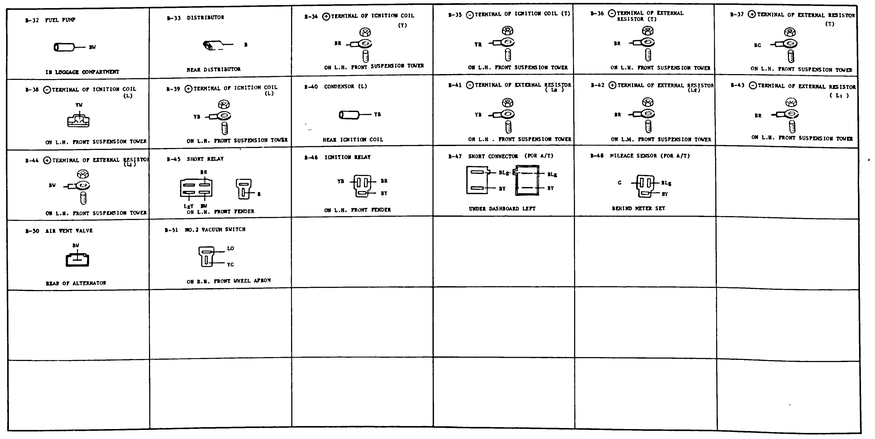


A-1 STARTER MOTOR BY AT STARTER MOTOR	A-2 ALTERNATOR B AT ALTERNATOR	A-3 ALTERNATOR W WB LR AT ALTERNATOR	A-4 REGULATOR YL WB BLg W LR WR AT REGULATOR CONNECTOR
A-5 REGULATOR WR AT REGULATOR CONNECTOR	A-6 REGULATOR Y AT REGULATOR CONNECTOR	A-7 CONDENSOR BLg AT CONDENSOR - NEAR REGULATOR	A-8 INHIBITOR SWITCH (FOR A/T) G GR GL LgW LgB BOTTOM OF SELECT LEVER
A-9 CONNECTOR TO ALTERNATOR WB B ON LEFT WHEEL APRON	A-10 DIODE BY B UNDER DASHBOARD LEFT	A-11 SUB ZERO MOTOR BY LY ON RIGHT FRONT FENDER APRON	A-12 SUB ZERO SENSOR LY AT SUB ZERO SENSOR
A-13 INHIBITOR SWITCH (FOR A/T) BY GY BY RW BOTTOM OF SELECT LEVER	E-6 PANEL LIGHT RESISTOR RG B AT PANEL LIGHT RESISTOR CONNECTOR		

NOTE;
BOLD LINES SHOW THE WIRING FOR CALIFORNIA SPEC. MODEL.
DOTTED LINES SHOW THE WIRING FOR AUTOMATIC TRANSMISSION MODEL.

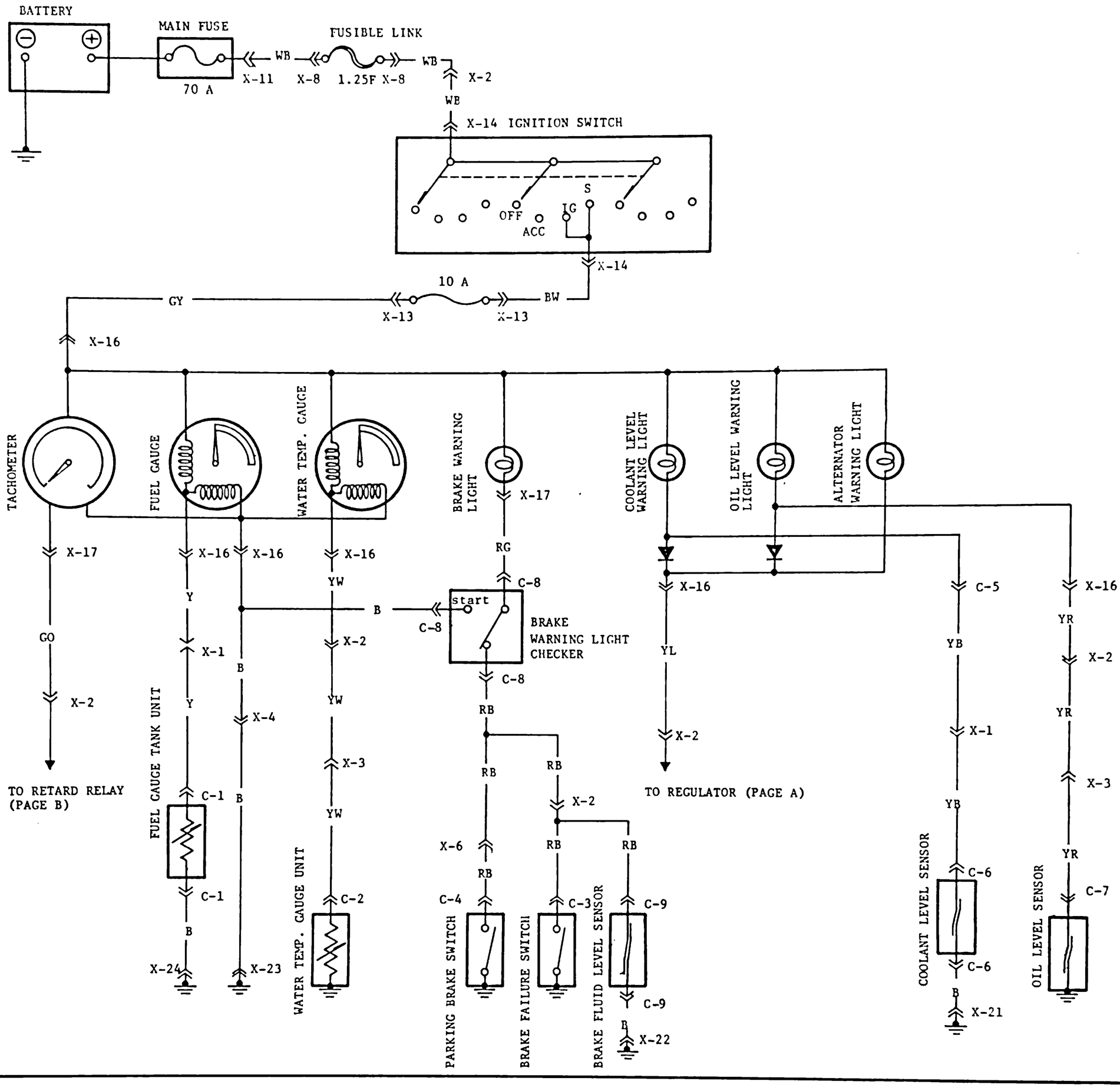




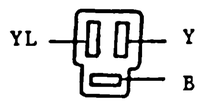


C

• METER SYSTEM • WARNING LIGHT SYSTEM



C-1 FUEL GAUGE TANK UNIT



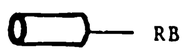
AT FUEL GAUGE TANK UNIT

C-2 WATER TEMP. GAUGE UNIT



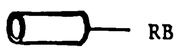
AT WATER TEMP. GAUGE UNIT - ON REAR HOUSING

C-3 BRAKE FAILURE SWITCH



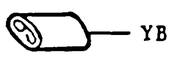
AT BRAKE FAILURE SWITCH

C-4 PARKING BRAKE SWITCH



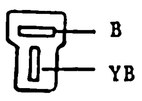
NEAR PARKING BRAKE LEVER

C-5 COOLANT LEVEL WARNING LIGHT



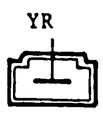
BEHIND METER SET

C-6 COOLANT LEVEL SENSOR



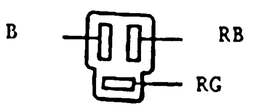
NEAR RADIATOR SUB TANK

C-7 OIL LEVEL SENSOR



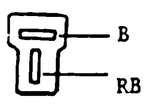
NEAR LEFT SIDE OF ENGINE

C-8 BRAKE WARNING LIGHT CHECKER



AT STEERING COLUMN SUPPORT

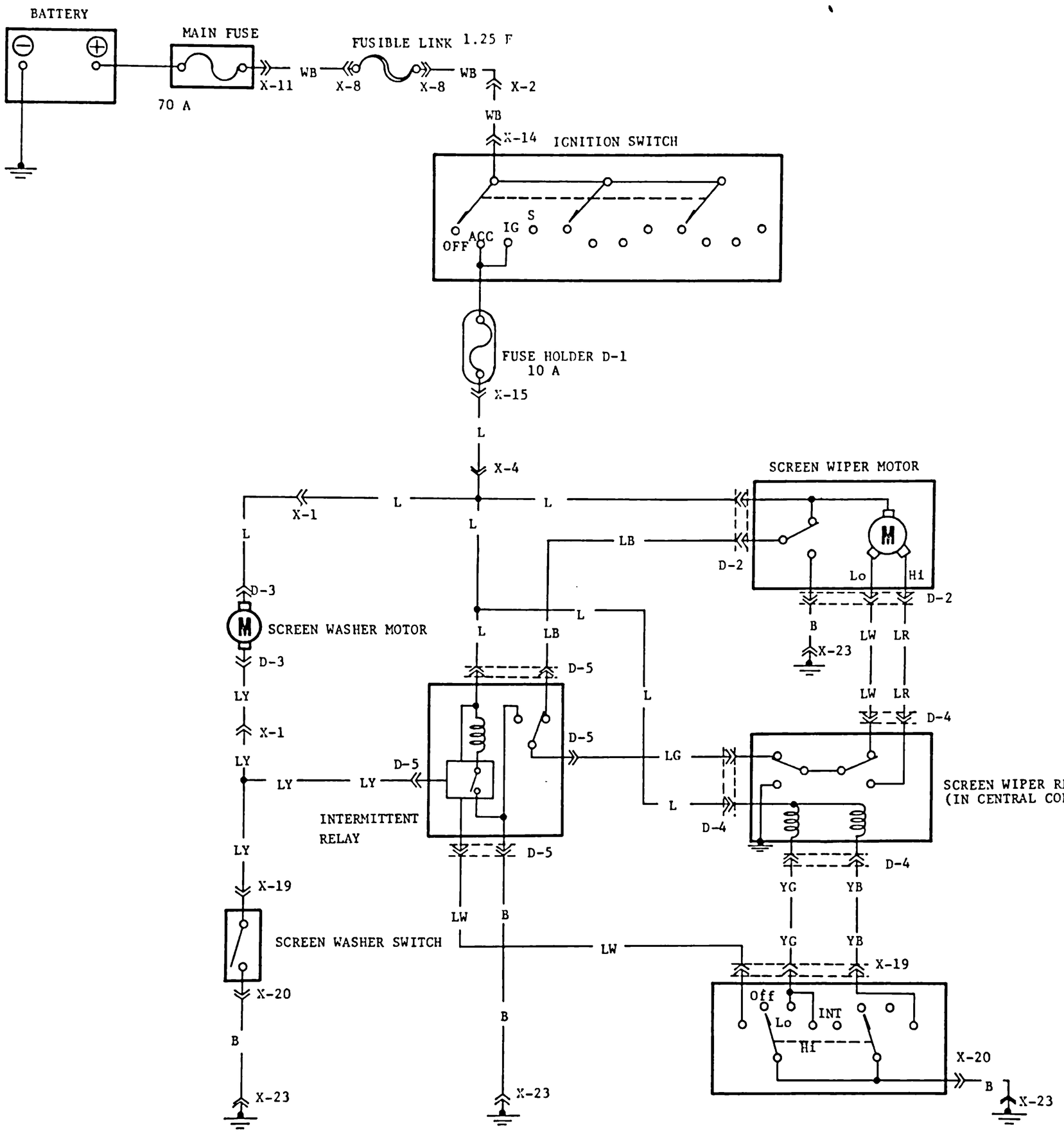
C-9 BRAKE FLUID LEVEL SENSOR



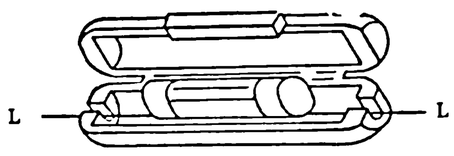
NEAR BRAKE FLUID TANK

◦SCREEN WIPER & WASHER SYSTEM

D

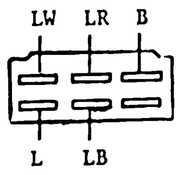


D-1 FUSE HOLDER (10 A)



BEHIND IGNITION SWITCH

D-2 SCREEN WIPER MOTOR



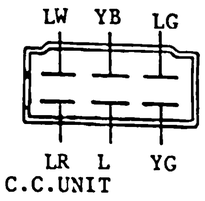
AT SCREEN WIPER MOTOR CONNECTOR

D-3 SCREEN WASHER MOTOR



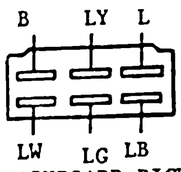
AT SCREEN WASHER MOTOR -
ON RIGHT FRONT WHEEL APRON

D-4 SCREEN WIPER RELAY



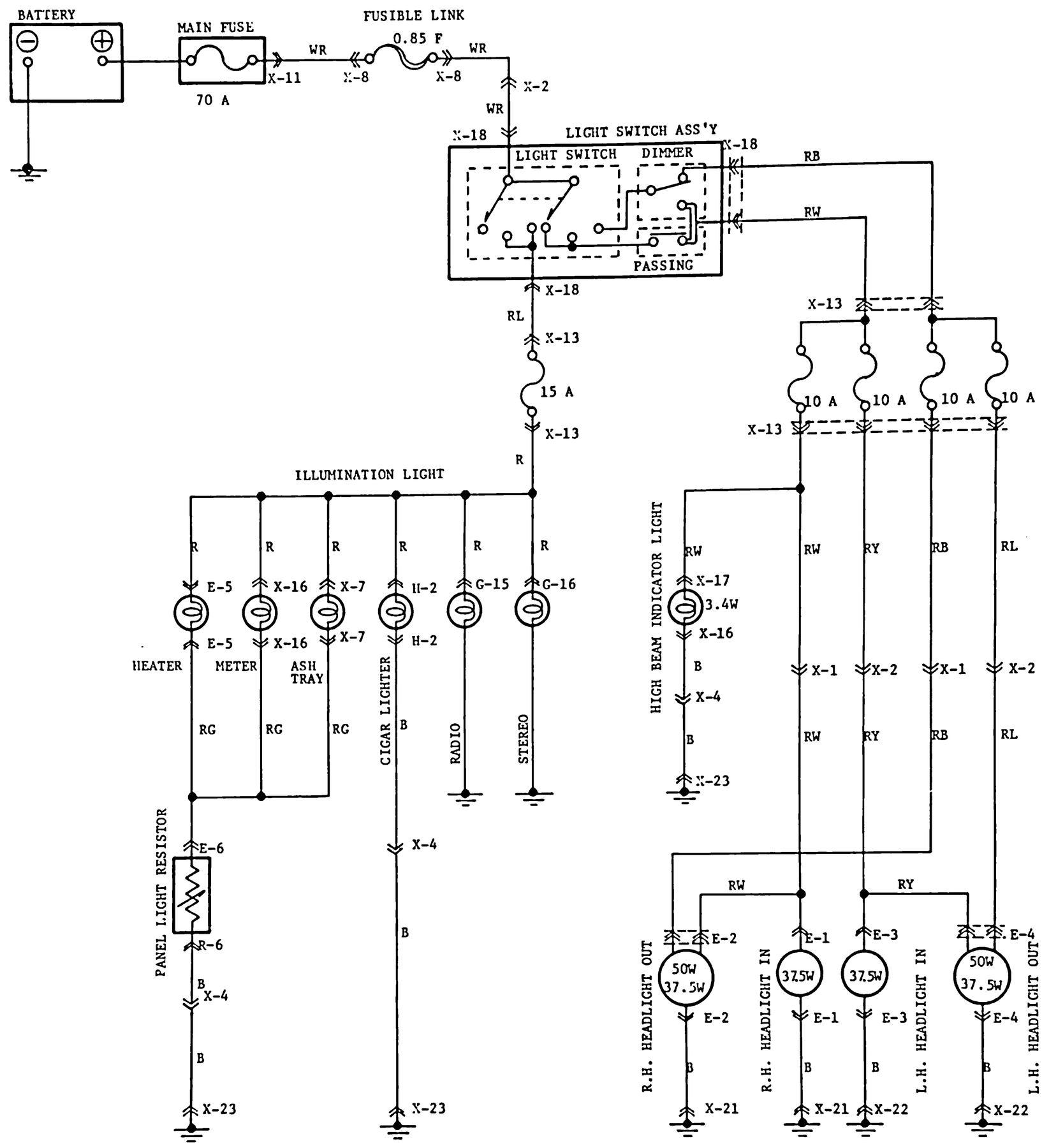
AT C.C.UNIT

D-5 INTERMITTENT RELAY

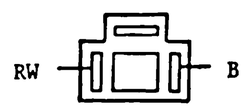


UNDER DASHBOARD RIGHT

• HEADLIGHT & ILLUMINATION LIGHT SYSTEM

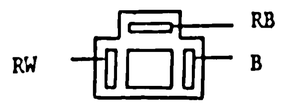


E-1 HEADLIGHT IN (R.H.)



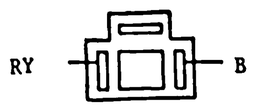
AT HEADLIGHT IN

E-2 HEADLIGHT OUT (R.H.)



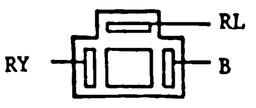
AT HEADLIGHT OUT

E-3 HEADLIGHT IN (L.H.)



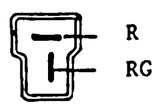
AT HEADLIGHT IN

E-4 HEADLIGHT OUT (L.H.)



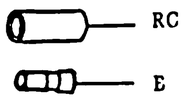
AT HEADLIGHT OUT

E-5 HEATER ILLUMINATION LIGHT



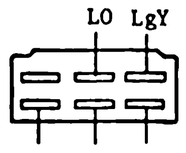
LEFT SIDE OF HEATER UNIT

E-6 PANEL LIGHT RESISTOR



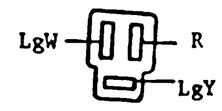
AROUND STEERING COLUMN SUPPORT

G-15 STEREO



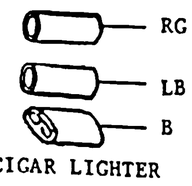
LEFT SIDE OF HEATER UNIT

G-16 RADIO



AT RADIO

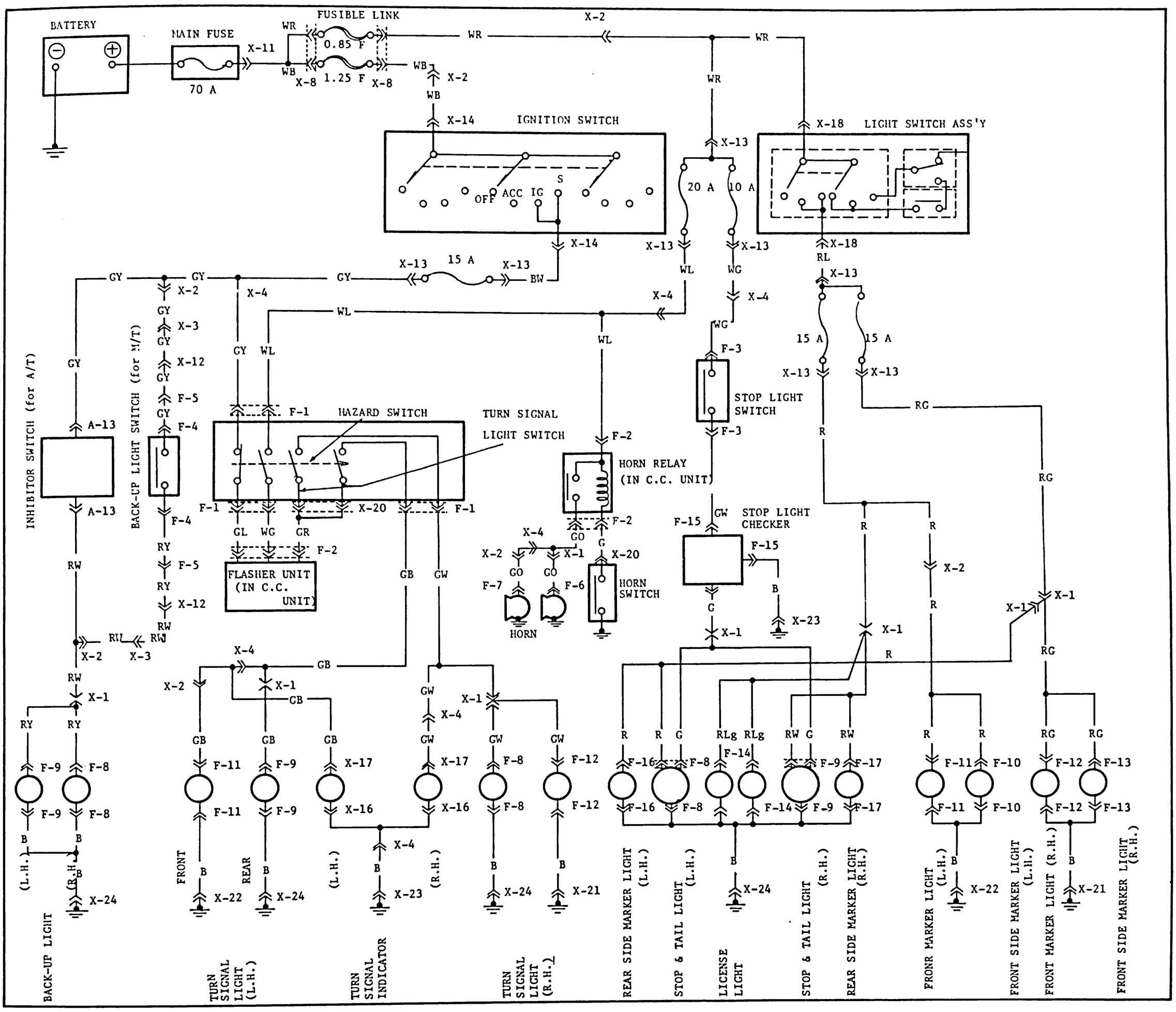
H-2 CIGAR LIGHTER



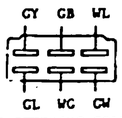
AT CIGAR LIGHTER

• TURN SIGNAL, HAZARD & STOPLIGHT SYSTEM • HORN
• MARKER LIGHT

F

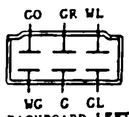


F-1 COMBINATION SWITCH



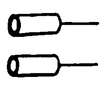
UNDER STEERING COLUMN SHAFT

F-2 CENTRAL CONTROL UNIT



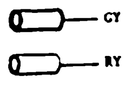
UNDER DASHBOARD LEFT

F-3 STOP LIGHT SWITCH



ABOVE STOP PEDAL

F-4 BACK-UP LIGHT SWITCH



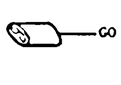
AT BACK-UP LIGHT SWITCH - ON TRANSMISSION

F-5 CONNECTOR TO BACK-UP LIGHT SWITCH



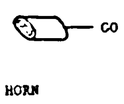
ON TOP OF ENGINE LEFT REAR

F-6 HORN



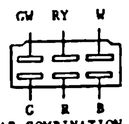
AT HORN

F-7 HORN



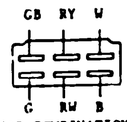
AT HORN

F-8 REAR COMBINATION LIGHT (R.H.)



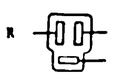
AT REAR COMBINATION LIGHT

F-9 REAR COMBINATION LIGHT (L.H.)



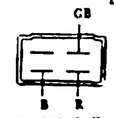
AT REAR COMBINATION LIGHT

F-10 SIDE TURN SIGNAL LIGHT (R.H.)



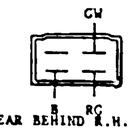
NEAR BEHIND L.H. HEADLIGHT

F-11 FRONT TURN SIGNAL & MARKER LIGHT (L.H.)



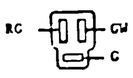
NEAR BEHIND L.H. HEADLIGHT

F-12 FRONT TURN SIGNAL & MARKER LIGHT



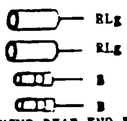
NEAR BEHIND R.H. HEADLIGHT

F-13 FRONT SIDE TURN MARKER LIGHT (R.H.)



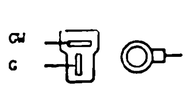
NEAR BEHIND R.H. HEADLIGHT

F-14 LICENSE LIGHT



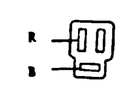
BEHIND REAR END PANEL CENTER

F-15 STOP LIGHT CHECKER



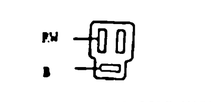
AROUND STEERING COLUMN SHAFT UNDER

F-16 REAR SIDE MARKER LIGHT (R.H.)



BEHIND REAR SIDE MARKER LIGHT

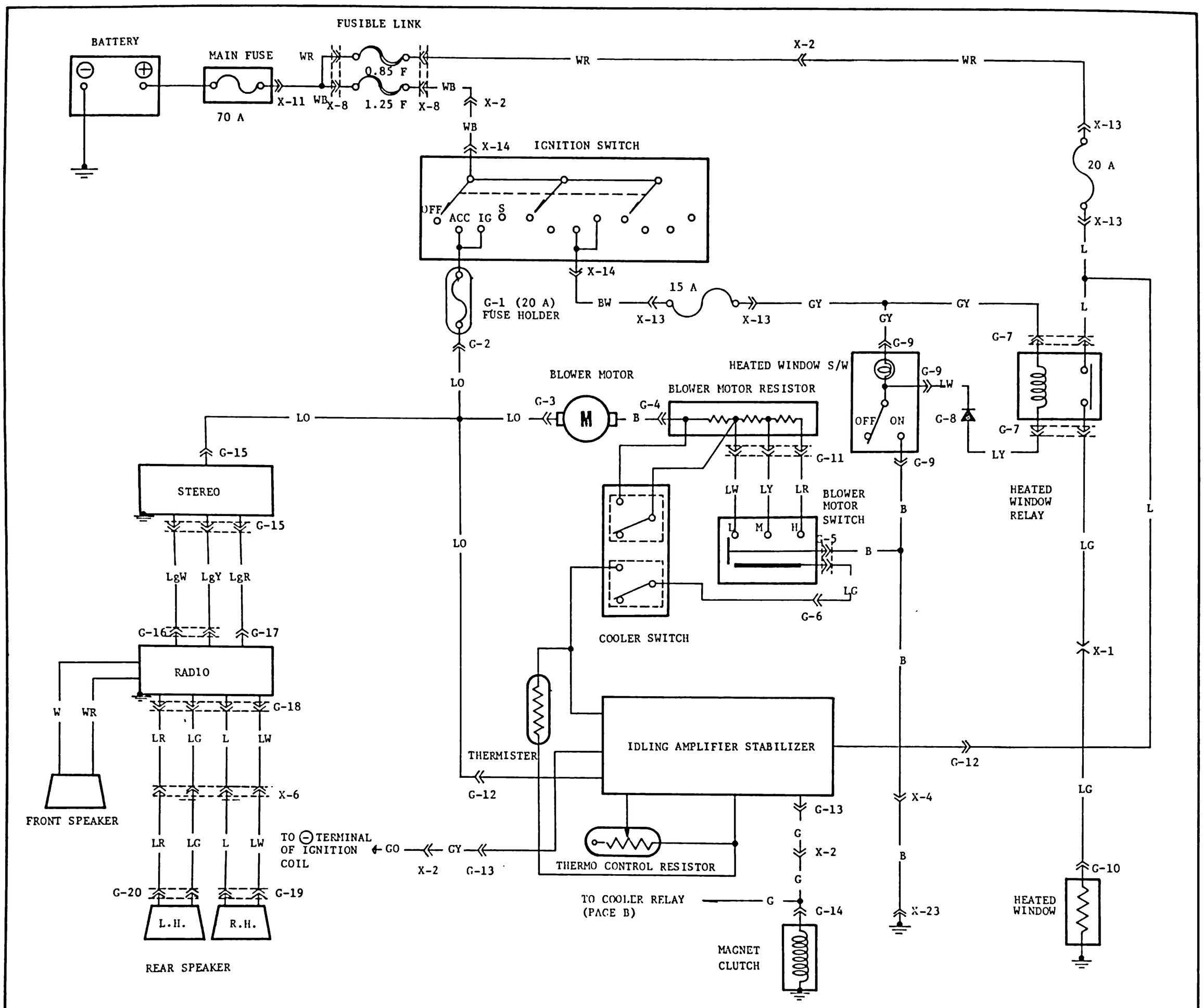
F-17 REAR SIDE MARKER LIGHT



BEHIND REAR SIDE MARKER LIGHT

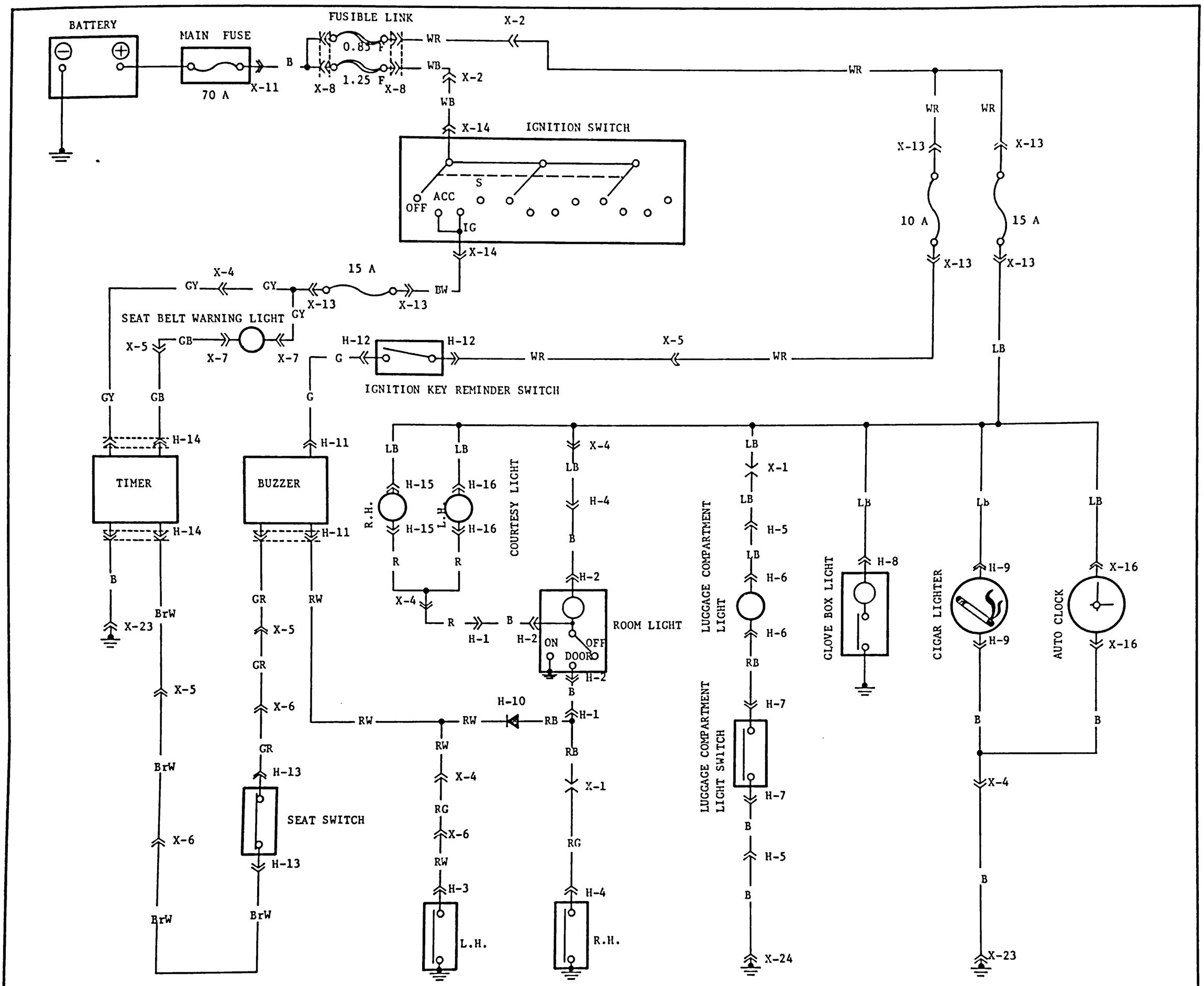
G

- HEATER SYSTEM
- AIR CONDITIONER SYSTEM
- RADIO
- STEREO

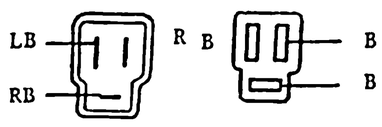


G-1 FUSIBLE LINK (20 A) L — LO BEHIND IGNITION SWITCH	G-2 CONNECTOR TO FUSIBLE LINK LO BEHIND IGNITION SWITCH	G-3 HEATER BLOWER MOTOR LO BEHIND GLOVE COMPARTMENT	G-4 HEATER BLOWER MOTOR B BEHIND GLOVE COMPARTMENT	G-5 HEATER BLOWER MOTOR SWITCH B LG LEFT SIDE OF HEATER UNIT	G-6 CONNECTOR TO COOLER SWITCH LG LEFT SIDE OF HEATER UNIT
G-7 HEATED WINDOW RELAY L LG GY LY UNDER DASHBOARD LEFT	G-8 DIODE LW LY LEFT SIDE OF HEATER UNIT	G-9 HEATED WINDOW SWITCH GY LW B LEFT SIDE OF HEATER UNIT	G-10 HEATED WINDOW LG IN LUGGAGE COMPARTMENT RIGHT	G-11 HEATER BLOWER MOTOR RESISTOR LR LY LW NEAR HEATER BLOWER MOTOR	G-12 CONNECTOR TO IDLING AMPLIFIER STABILIZER L LO LEFT SIDE OF HEATER UNIT
G-13 CONNECTOR TO IDLING AMPLIFIER STABILIZER YG G ABOVE CLUTCH PEDAL	G-14 MAGNET CLUTCH G AT MAGNET CLUTCH CONNECTOR	G-15 STEREO LO LgY LgW R LgR AT STEREO	G-16 RADIO LgW R LgY AT RADIO	G-17 RADIO LgR AT RADIO	G-18 RADIO LR LW AT RADIO LG L
G-19 REAR SPEAKER (L.H.) LG LR ABOVE FUEL TANK LEFT - IN LUGGAGE COMPARTMENT	G-20 REAR SPEAKER (R.H.) L LW ABOVE FUEL TANK RIGHT - IN LUGGAGE COMPARTMENT				

- SEAT BELT WARNING SYSTEM
- COURTESY LIGHT
- LUGGAGE COMPARTMENT LIGHT
- GLOVE BOX LIGHT
- CIGAR LIGHTER
- AUTO CLOCK

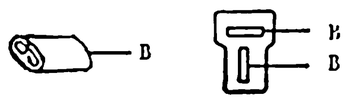


H-1 CONNECTOR TO ROOM LIGHT



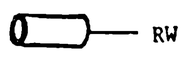
UNDER DASHBOARD RIGHT

H-2 ROOM LIGHT



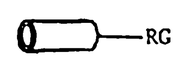
AT ROOM LIGHT

H-3 DOOR SWITCH (L.H.)



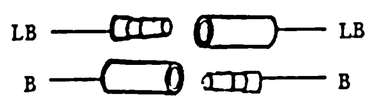
BOTTOM OF LEFT CENTER PILLAR

H-4 DOOR SWITCH (R.H.)



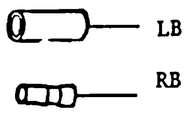
BOTTOM OF RIGHT CENTER PILLAR

H-5 CONNECTOR TO LUGGAGE COMPARTMENT LIGHT



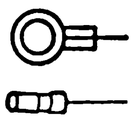
IN LUGGAGE COMPARTMENT LEFT

H-6 LUGGAGE COMPARTMENT LIGHT



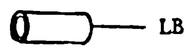
IN LUGGAGE COMPARTMENT LEFT

H-7 LUGGAGE COMPARTMENT LIGHT SWITCH



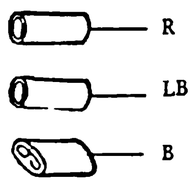
IN LUGGAGE COMPARTMENT LEFT

H-8 GLOVE BOX LIGHT



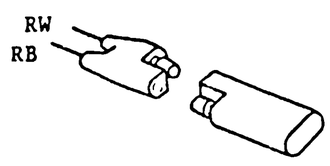
BEHIND CENTER PANEL

H-9 CIGAR LIGHTER



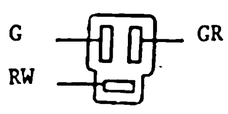
BEHIND CIGAR LIGHTER

H-10 DIODE



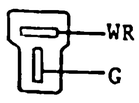
AROUND STEERING COLUMN SHAFT UNDER

H-11 BUZZER



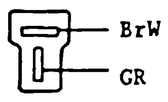
AROUND STEERING COLUMN SHAFT UNDER

H-12 IGNITION KEY REMINDER SWITCH



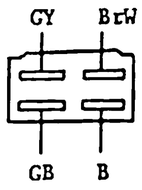
AROUND STEERING COLUMN SHAFT UNDER

H-13 SEAT SWITCH



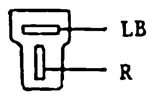
UNDER REAR CONSOLE

H-14 TIMER



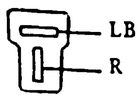
UNDER DASH BOARD

H-15 COURTESY LIGHT (R.H.)



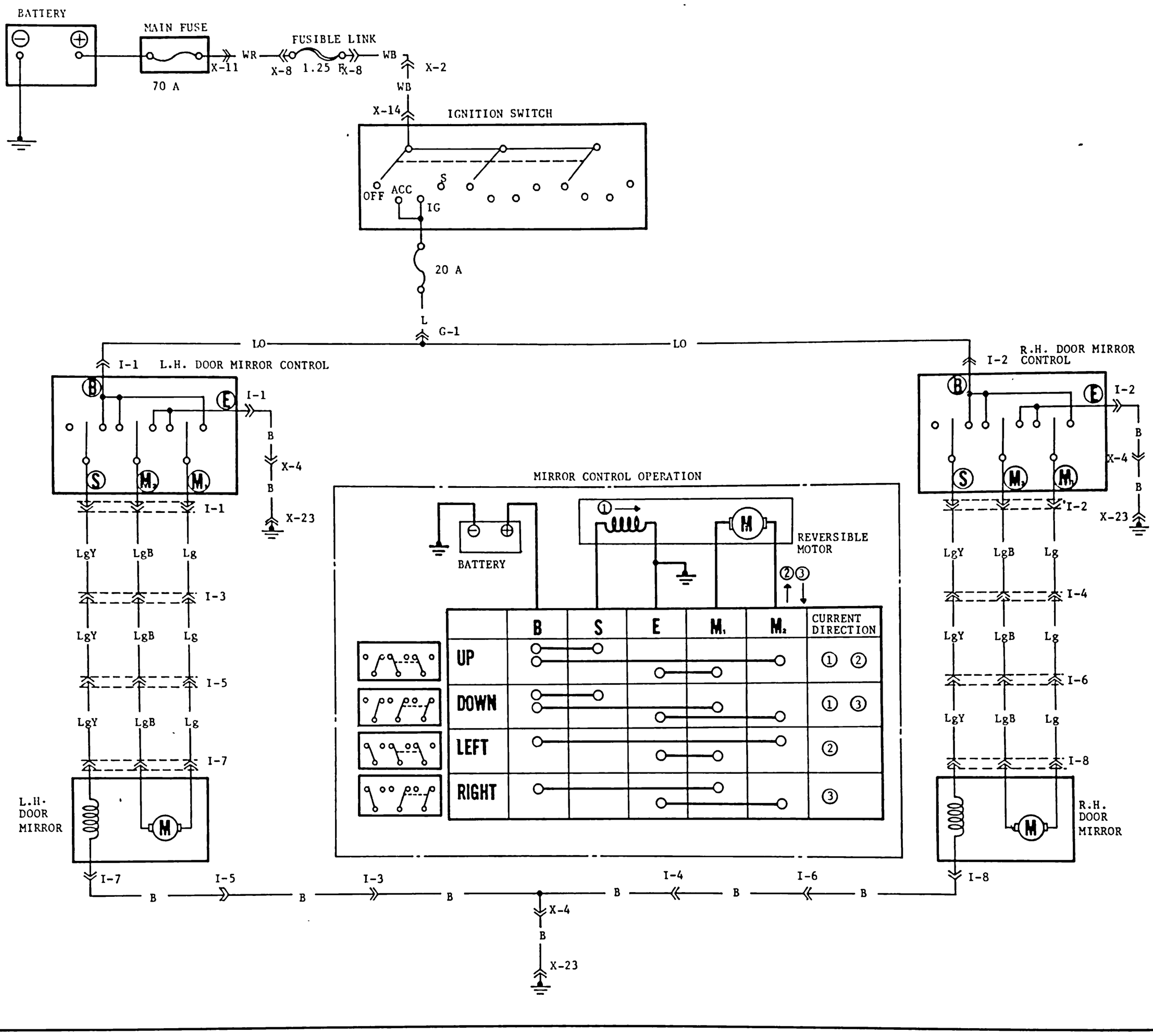
UNDER DASH BOARD RIGHT END

H-16 COURTESY LIGHT (L.H.)



UNDER DASH BOARD LEFT END

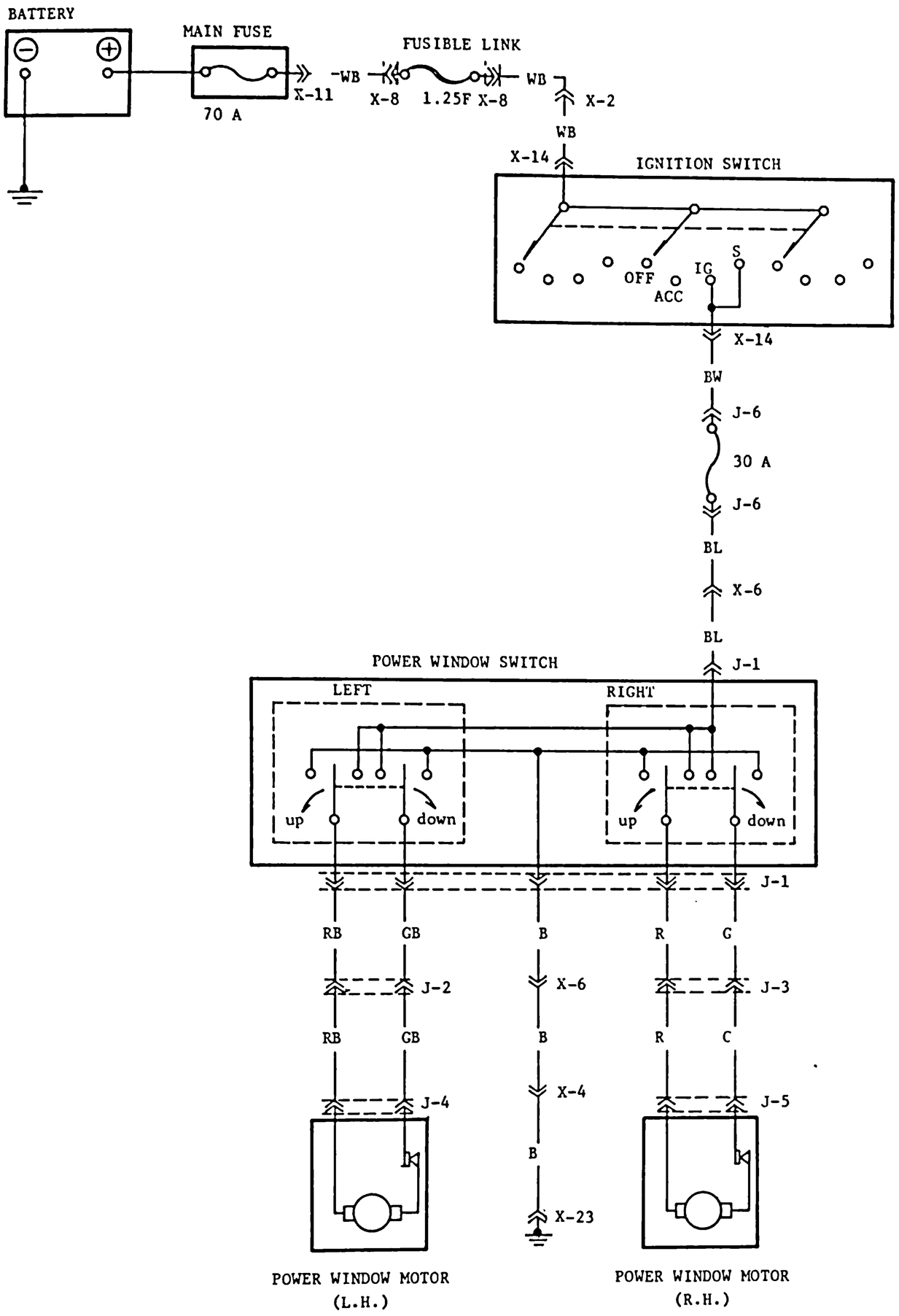
•REMOTE CONTROL DOOR MIRROR SYSTEM



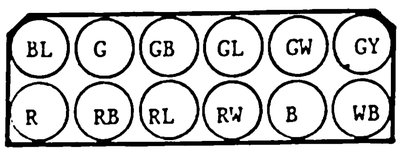
I-1 L.H. DOOR MIRROR CONTROL LO Lg LgB LgY B UNDER DASHBOARD LEFT	I-2 R.H. DOOR MIRROR CONTROL LO Lg LgB LgY B UNDER DASHBOARD LEFT	I-3 CONNECTOR TO L.H. DOOR MIRROR LgB B Lg LgY B LgB Lgy Lg UNDER DASHBOARD LEFT	I-4 CONNECTOR TO R.H. DOOR MIRROR LgB B Lg LgY B LgB LgY Lg UNDER DASHBOARD RIGHT
I-5 CONNECTOR TO L.H. DOOR MIRROR LgB B Lg LgY B LgB LgY Lg IN L.H. DOOR	I-6 CONNECTOR TO R.H. DOOR MIRROR LgB B Lg LgY B LgB LgY Lg IN R.H. DOOR	I-7 L.H. DOOR MIRROR LgB B Lg LgY AT L.H. DOOR MIRROR	I-8 R.H. DOOR MIRROR LgB B Lg LgY AT R.H. DOOR MIRROR

•POWER WINDOW SYSTEM

J

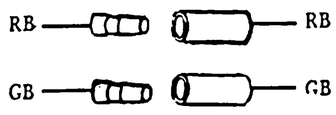


J-1 POWER WINDOW SWITCH



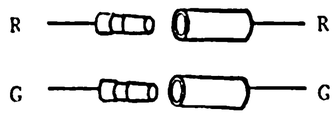
IN REAR CONSOLE BOX

J-2 CONNECTOR TO POWER WINDOW MOTOR (L.H.)



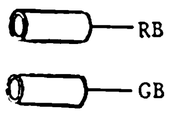
UNDER DASHBOARD LEFT END

J-3 CONNECTOR TO POWER WINDOW MOTOR (R.H.)



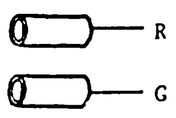
UNDER DASHBOARD RIGHT END

J-4 POWER WINDOW MOTOR (L.H.)



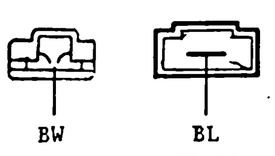
IN L.H. DOOR

J-5 POWER WINDOW MOTOR (R.H.)



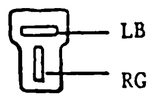
IN R.H. DOOR

J-6 FUSE HOLDER



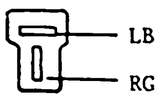
UNDER DASHBOARD RIGHT

J-7 STEP LIGHT (L.H.)



UNDER DASHBOARD LEFT END

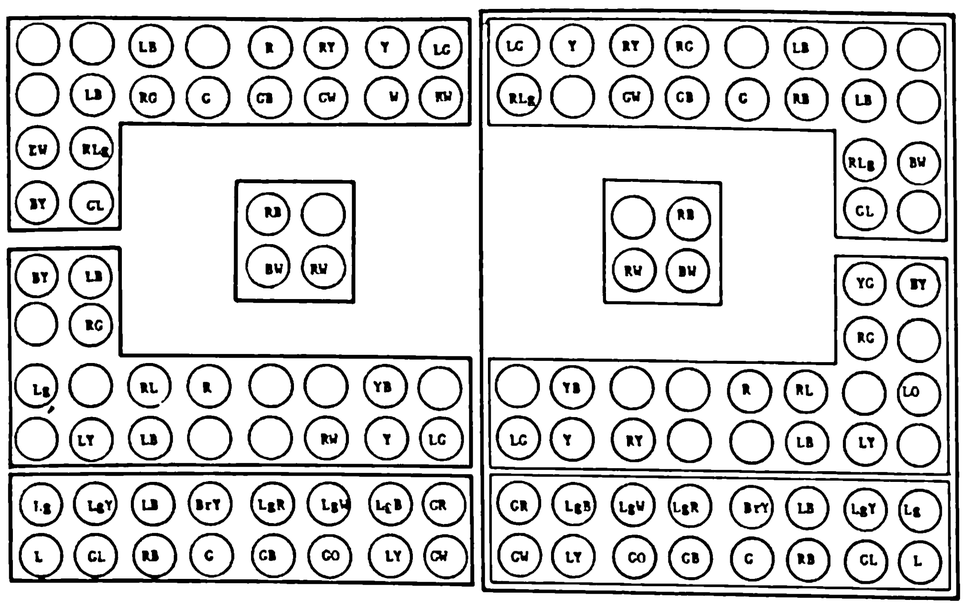
J-8 STEP LIGHT (R.H.)



UNDER DASHBOARD RIGHT END

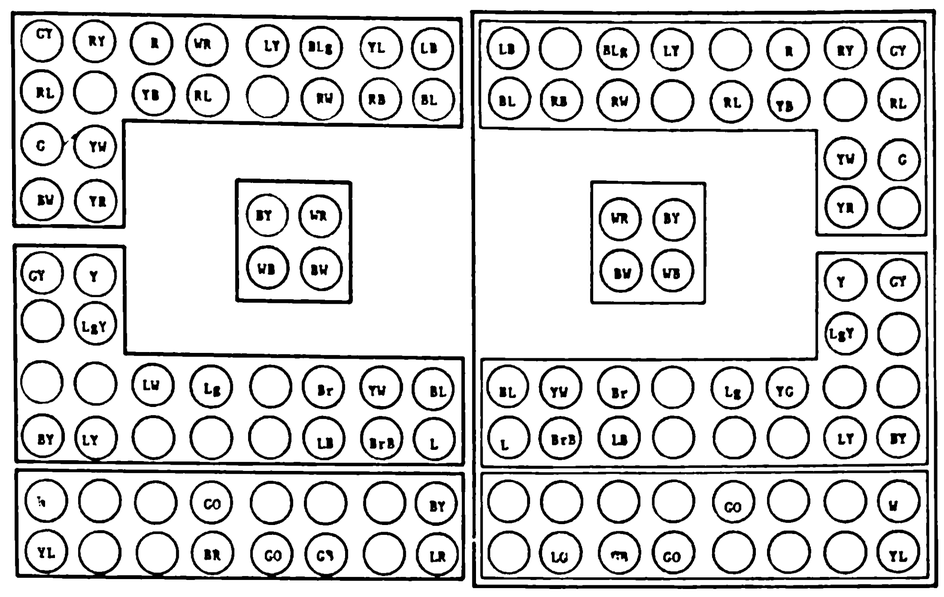
X

X-1 JOINT CONNECTOR



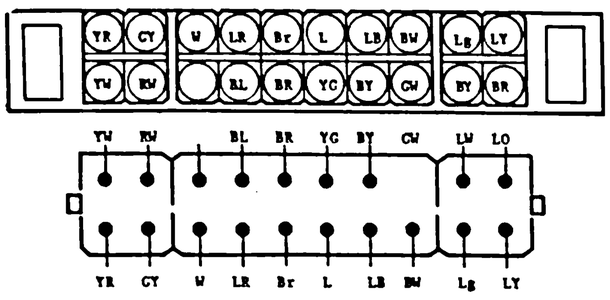
UNDER DASH BOARD RIGHT END

X-2 JOINT CONNECTOR



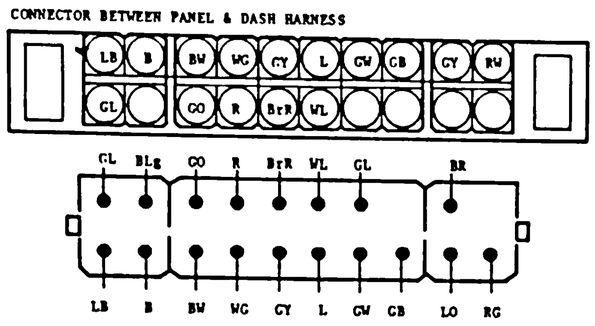
UNDER DASH BOARD LEFT END

X-3 CONNECTOR BETWEEN L.H. FRONT HARNESS & ENGINE HARNESS



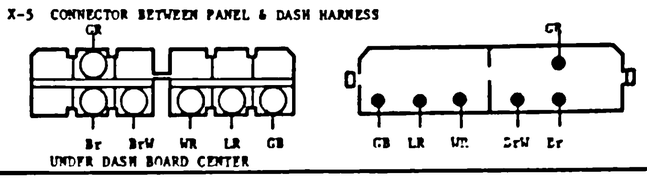
ON L.H. FRONT FENDER APRON

X-4 CONNECTOR BETWEEN PANEL & DASH HARNESS



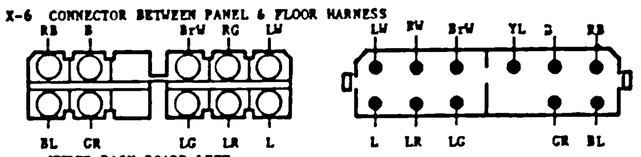
UNDER DASH BOARD

X-5 CONNECTOR BETWEEN PANEL & DASH HARNESS



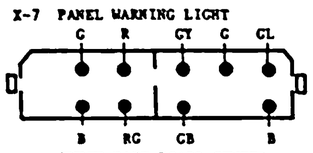
UNDER DASH BOARD CENTER

X-6 CONNECTOR BETWEEN PANEL & FLOOR HARNESS



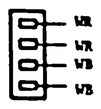
UNDER DASH BOARD LEFT

X-7 PANEL WARNING LIGHT



UNDER DASH BOARD CENTER

C-8 FUSIBLE LINK



LEFT SIDE OF BATTERY

X-9 FUSIBLE LINK



BEHIND IGNITION SWITCH

X-10 FUSIBLE LINK



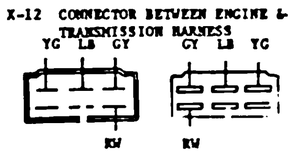
BEHIND IGNITION SWITCH

X-11 MAIN FUSE

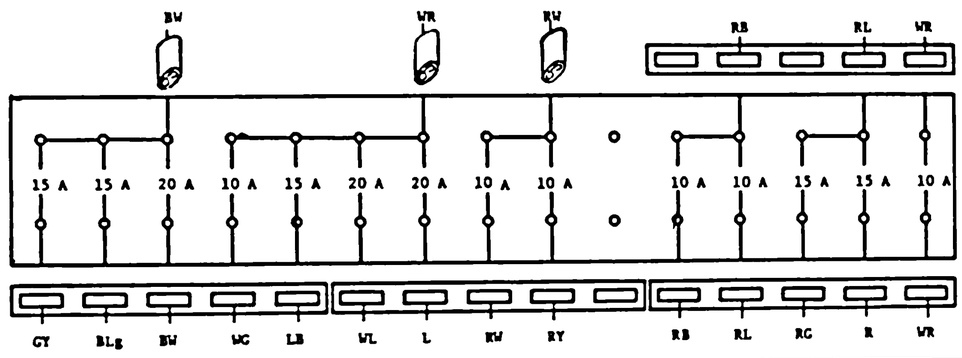


AT MAIN FUSE

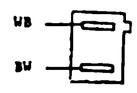
X-12 CONNECTOR BETWEEN ENGINE & TRANSMISSION HARNESS



X-13

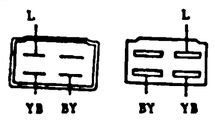


X-14 IGNITION SWITCH



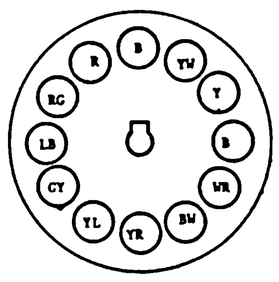
BEHIND IGNITION SWITCH

X-15 CONNECTOR TO IGNITION SWITCH



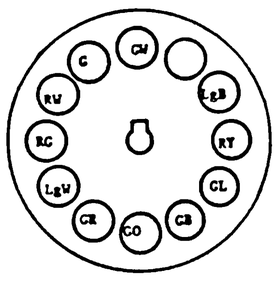
BEHIND IGNITION SWITCH

X-16 COMBINATION METER



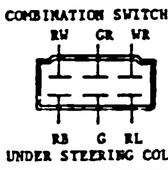
BEHIND METER SET

X-17 COMBINATION METER



BEHIND METER SET

X-18 COMBINATION SWITCH



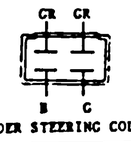
UNDER STEERING COLUMN SHAFT

X-19 COMBINATION SWITCH



UNDER STEERING COLUMN SHAFT

X-20 COMBINATION SWITCH



UNDER STEERING COLUMN SHAFT

X-21 EARTH



NEAR SCREEN WASHER TANK

X-22 EARTH



CONNECTED WITH CONNECTOR X-3

X-23 EARTH



UNDER DASH BOARD RIGHT

X-24 EARTH

ABOVE LUGGAGE COMPARTMENT RIGHT

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5523-10-76J LE-FUC