

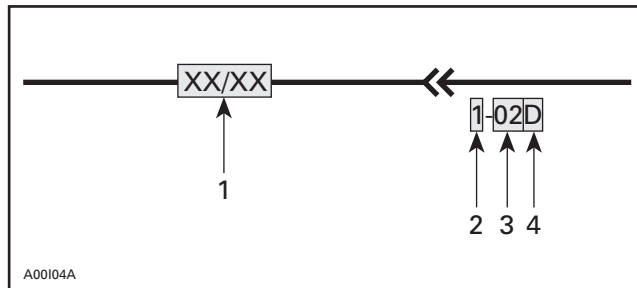
WIRING DIAGRAMS

MODEL	WIRING DIAGRAM PAGE	HEADLIGHT (watt)	TAILLIGHT (watt)	ELECTRICAL SYSTEM OUTPUT (watt)
Tundra	Annex 1	60/55 hal.	8/27	160
Tundra R	Annex 2	60/55 hal.	8/27	240
Skandic 380/500	Annex 3	60/55 hal.	8/27	240
Formula S/SL	Annex 4	60/55 hal.	8/27	240
Touring E/LE/SLE Formula Deluxe 380/500	Annex 5	60/55 hal.	8/27	240

WIRING DIAGRAM LEGEND

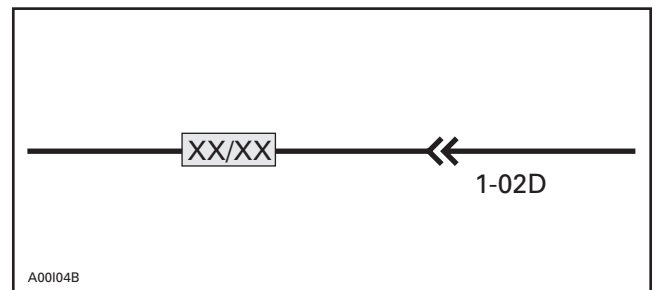
◆ WARNING

Ensure all terminals are properly crimped on the wires and all connector housings are properly fastened.



1. Wire colors
2. Housing area
3. Housing number per area
4. Wire connector location in housing

WIRE COLORS AND CIRCUIT



The first color of a wire is the main color, second color is the stripe.

Example: YL/BK is a YELLOW wire with a BLACK stripe.

COLOR CODE	
BE - BEIGE	OR - ORANGE
BK - BLACK	RD - RED
BL - BLUE	VI - VIOLET
BR - BROWN	WH - WHITE
GN - GREEN	YL - YELLOW
GY - GREY	

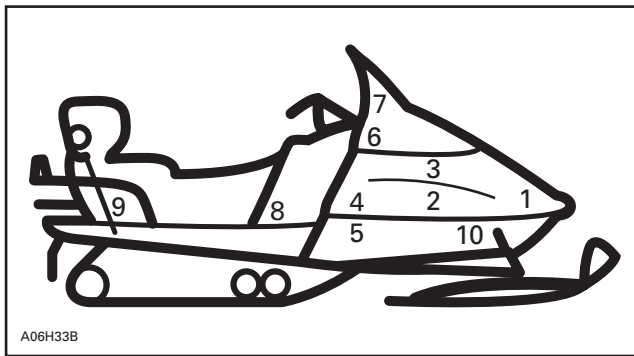
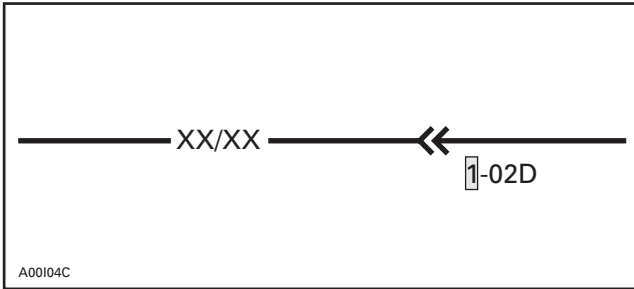
Section 11 WIRING DIAGRAMS

Subsection 01 (WIRING DIAGRAMS)

Following table shows wire colors related to electrical circuits.

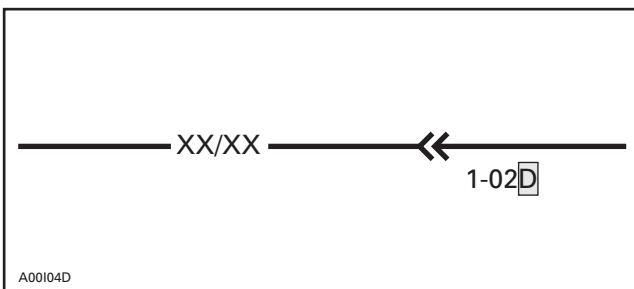
WIRE COLOR	ELECTRICAL CIRCUIT	ADDITIONAL INFORMATION
BLACK/YELLOW	ENGINE SHUT OFF – key switch – tether cord switch – emergency switch	Must be grounded to stop engine.
BLACK (small)	Ground for shut off, RER pilot lamp, beeper and beeper switch	
BLACK (big)	Ground for starter (–)	
BEIGE	RER switch	Must be grounded to activate RER.
BEIGE/BLACK	Reverse alarm and pilot lamp	Current returns by BLACK wire.
YELLOW YELLOW/BLACK	12 volts (AC)	If shorted, magneto stops producing electricity.
RED	12 volts (DC) (+) For starter motor	
RED/GREEN	12 volts (DC) (+) For starter solenoid	
RED/BLUE	12 volts (DC) (+) Rectifier output	
GREY	12 volts (AC) High beam	Current returns by YELLOW/BLACK wire connected to headlamp.
VIOLET/GREY	12 volts (AC) Low beam	
WHITE	12 volts (AC) Brake light	Current returns by YELLOW/BLACK wire connected to taillight.
WHITE/RED	12 volts (AC) Low oil level	Current returns by YELLOW/BLACK wire connected to oil level sensor.
BLUE	12 volts (AC) Fuel level indicator	Current returns by YELLOW wire connected to fuel level sensor.
ORANGE	12 volts (AC) Heated grips (max.)	Current returns by YELLOW/BLACK wire connected to heating elements.
ORANGE/VIOLET	12 volts (AC) Heated grips (min.)	
BROWN	12 volts (AC) Heated throttle lever (max.)	
BROWN/YELLOW	12 volts (AC) Heated throttle lever (min.)	
GREEN	12 volts (AC) Temperature gauge	Current returns by YELLOW wire connected to sensor.
VIOLET	12 volts (AC) Engine overheating light	

CONNECTOR HOUSING AREA

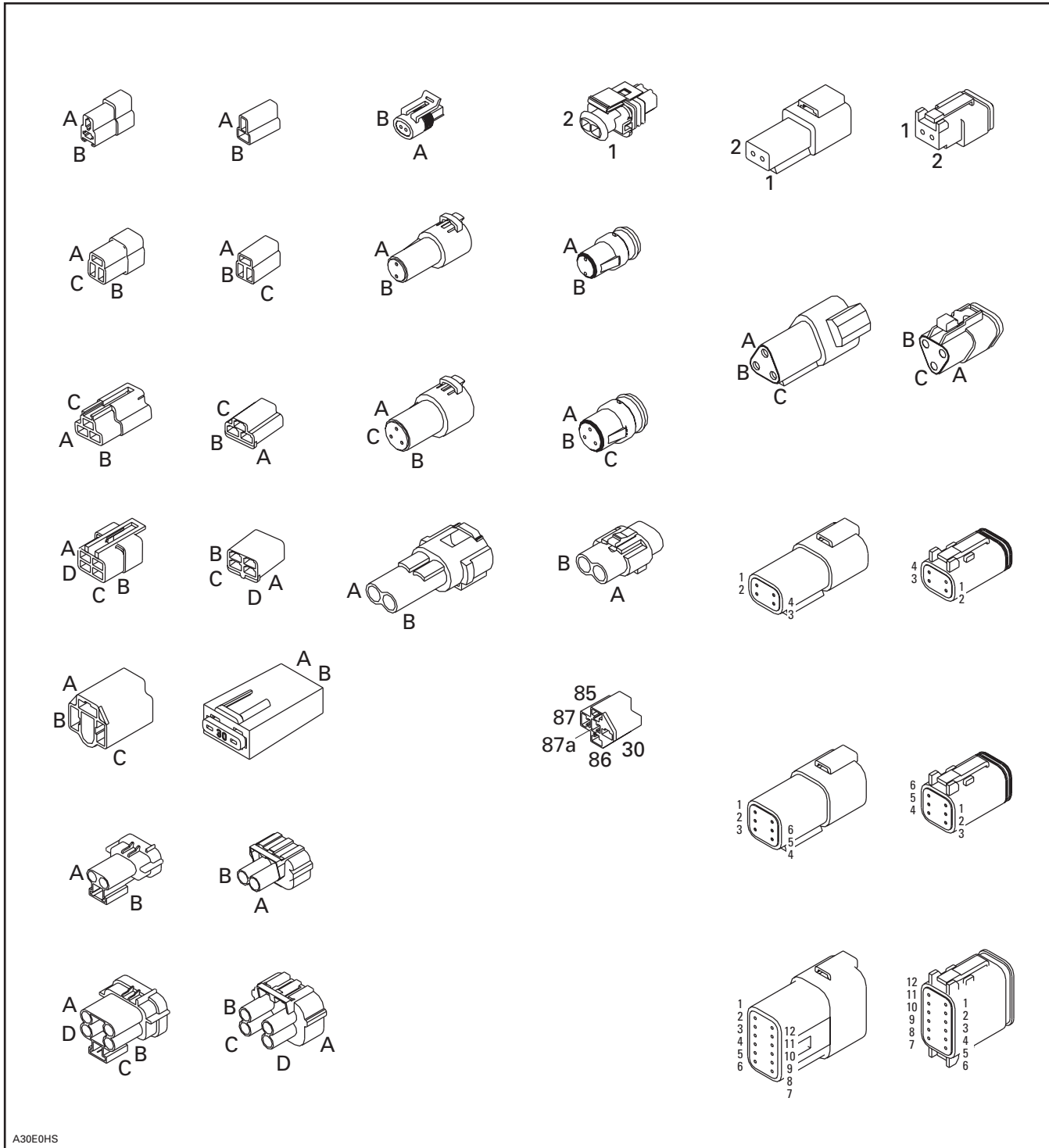


AREA	LOCATION
1	Front of engine compartment
2	Magneto
3	Carburetors
4	Near of intake silencer
5	Near driven pulley
6	Under console
7	Under hood
8	Near fuel tank
9	Rear of seat
10	Under engine

CONNECTOR LOCATION IN HOUSING

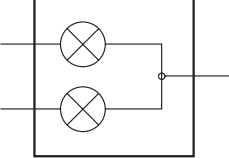
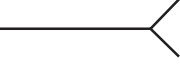
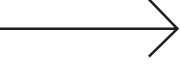
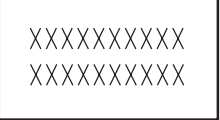
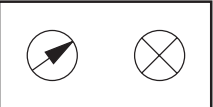

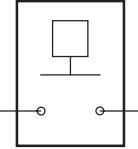
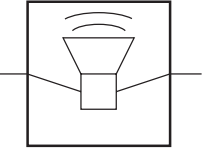
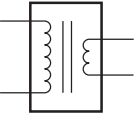
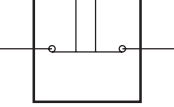
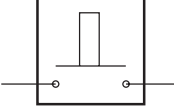





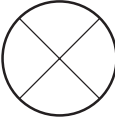
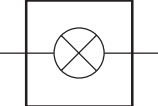
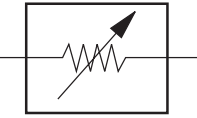
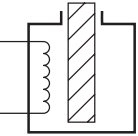

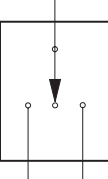
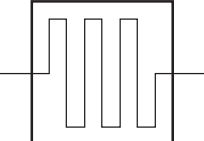


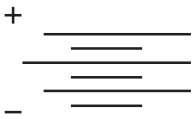
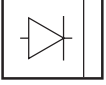


Section 11 WIRING DIAGRAMS
 Subsection 01 (WIRING DIAGRAMS)



A30E0HS

SYMBOLS DESCRIPTION

<p>Beam and tail light</p> 	<p>Female terminal</p> 	<p>Male terminal</p> 	<p>Electronic module</p> 
<p>Meter</p> 	<p>Electric motor</p> 	<p>Low level sensor</p> 	<p>Buzzer</p> 
<p>Ignition coil</p> 	<p>Normally close switch</p> 	<p>Normally open switch</p> 	<p>Male terminal on instrument</p> 
<p>Engine ground</p> 	<p>Frame ground</p> 	<p>Spark plug</p> 	<p>Meter movement</p> 
<p>Bulb</p> 	<p>Pilot lamp</p> 	<p>Analog sensor</p> 	<p>Solenoid valve</p> 
<p>Magneto</p> 	<p>3 position switch</p> 	<p>Heating element</p> 	<p>Fuse</p> 
<p>Trigger coil</p> 	<p>Battery</p> 		<p>Diode</p> 

Section 11 WIRING DIAGRAMS

Subsection 01 (WIRING DIAGRAMS)

UNPLUGGING CONNECTORS

Always unplug connectors by pulling on housing not on wire.

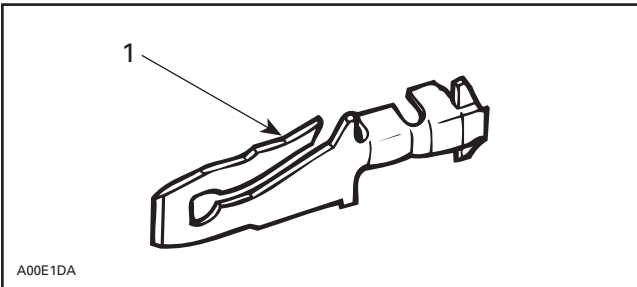


TYPICAL

TAB AND RECEPTACLE CONNECTORS REMOVAL

Tab Connector

It is locked in its housing by a spring tab on its side. Removal is done by squeezing this tab.

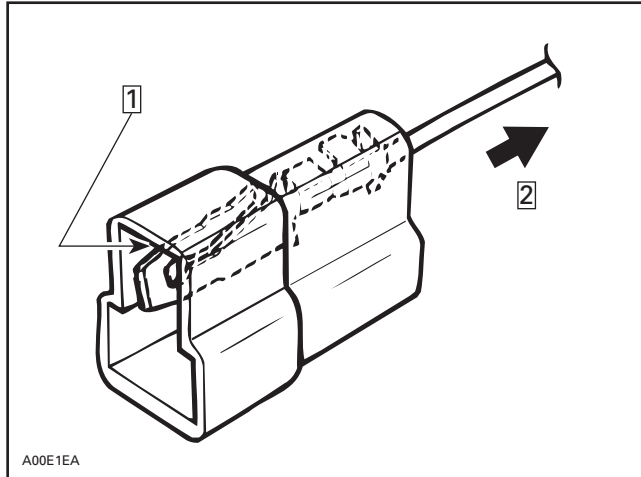


TAB CONNECTOR

1. Locking tab

To remove:

- Insert a screwdriver or Snap-on TT 600-5 from opposite side of wire and pry locking tab.
- While holding locking tab pried, pull connector toward wire side.



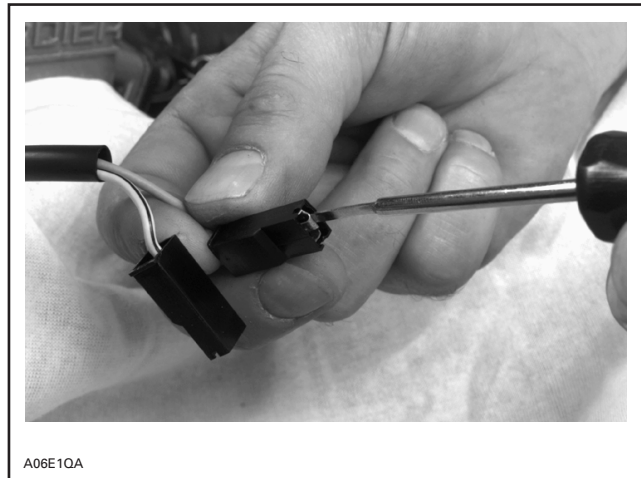
Step 1: Insert screwdriver here

Step 2: Pull this side

Locking Receptacle Connector

To remove:

- Insert tool Snap-on TT 600-5 in access opening then pull housing toward wire side.

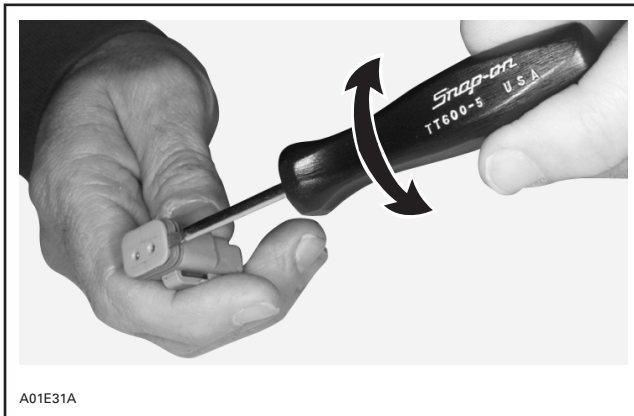


Waterproof Connector Housing

Female Connector Housing

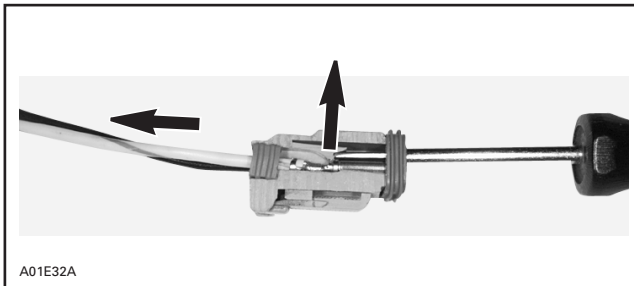
To remove:

- Insert tool Snap-on TT 600-5 under lock and twist to lift it.



A01E31A

- Pry tab to free connector then pull wire out of housing.



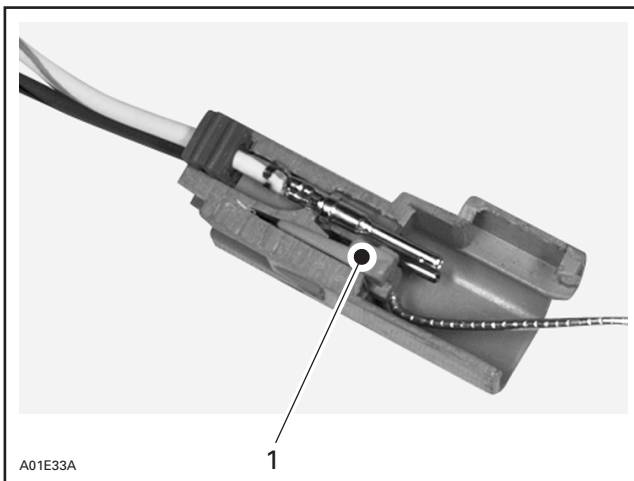
A01E32A

FEMALE CONNECTOR HOUSING — CUT-AWAY

Male Connector Housing

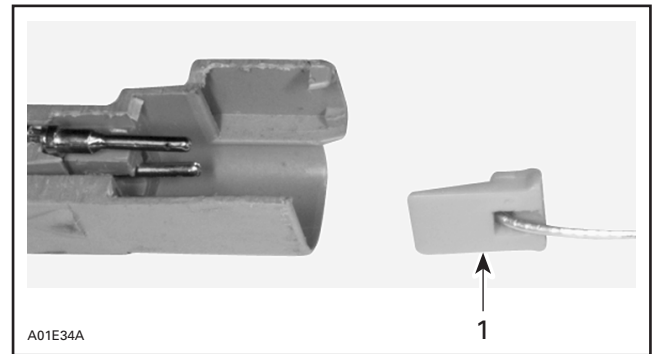
To remove:

- Using a small hook, pull out the lock.



A01E33A

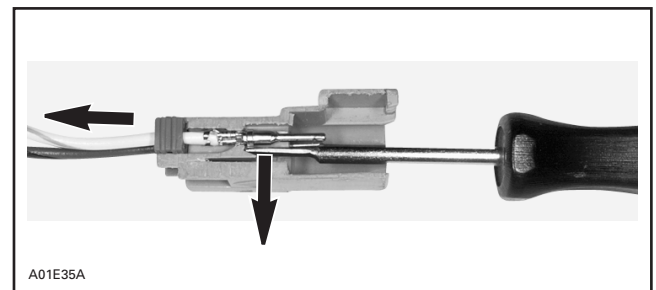
1. Lock



A01E34A

1. Lock

- Pry tab to free connector then pull wire out of housing.



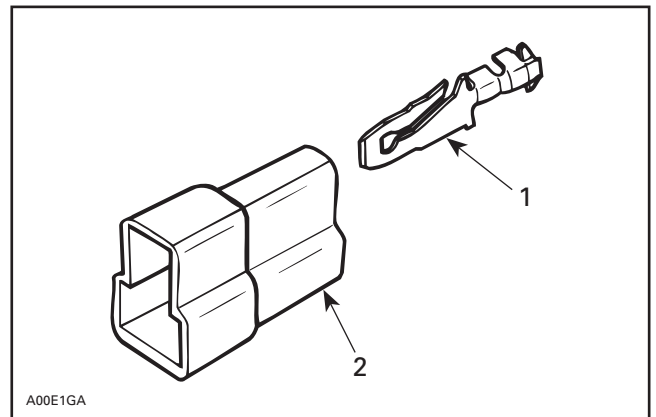
A01E35A

MALE CONNECTOR HOUSING — CUT-AWAY

TAB AND RECEPTACLE CONNECTORS INSTALLATION

Prior to installing, make sure locking tab is sufficiently lifted to properly lock.

Insert tab and receptacle connectors in their respective housings as shown in following illustrations. Push sufficiently so that they snap. Try pulling wire to ensure they are properly locked.

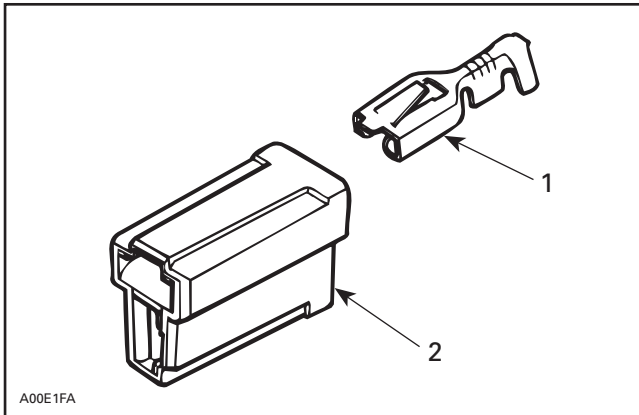


A00E1GA

1. Tab
 2. Housing

Section 11 WIRING DIAGRAMS

Subsection 01 (WIRING DIAGRAMS)



TYPICAL

1. Receptacle
2. Housing

ACCESSORIES INSTALLATION

On all **electric start models**: The direct current (DC) utilizes the snowmobile frame as ground "wire" while all alternating current (AC) consumers (lights, heated grips, fuel gauge, etc.) utilize a separate ground wire.

Never interconnect AC and DC grounds as an AC voltage drop will result. When installing accessories on **any** snowmobile, connect their wires directly to the YELLOW and YELLOW/BLACK lighting coil wires.

Even if **manual start models** have an AC ground to the chassis (on voltage regulator), all accessories utilize a ground wire isolated from chassis. When an electric starter kit is installed, the voltage regulator and its ground wire are replaced by a voltage rectifier/regulator unit permitting a completely isolated AC circuit.



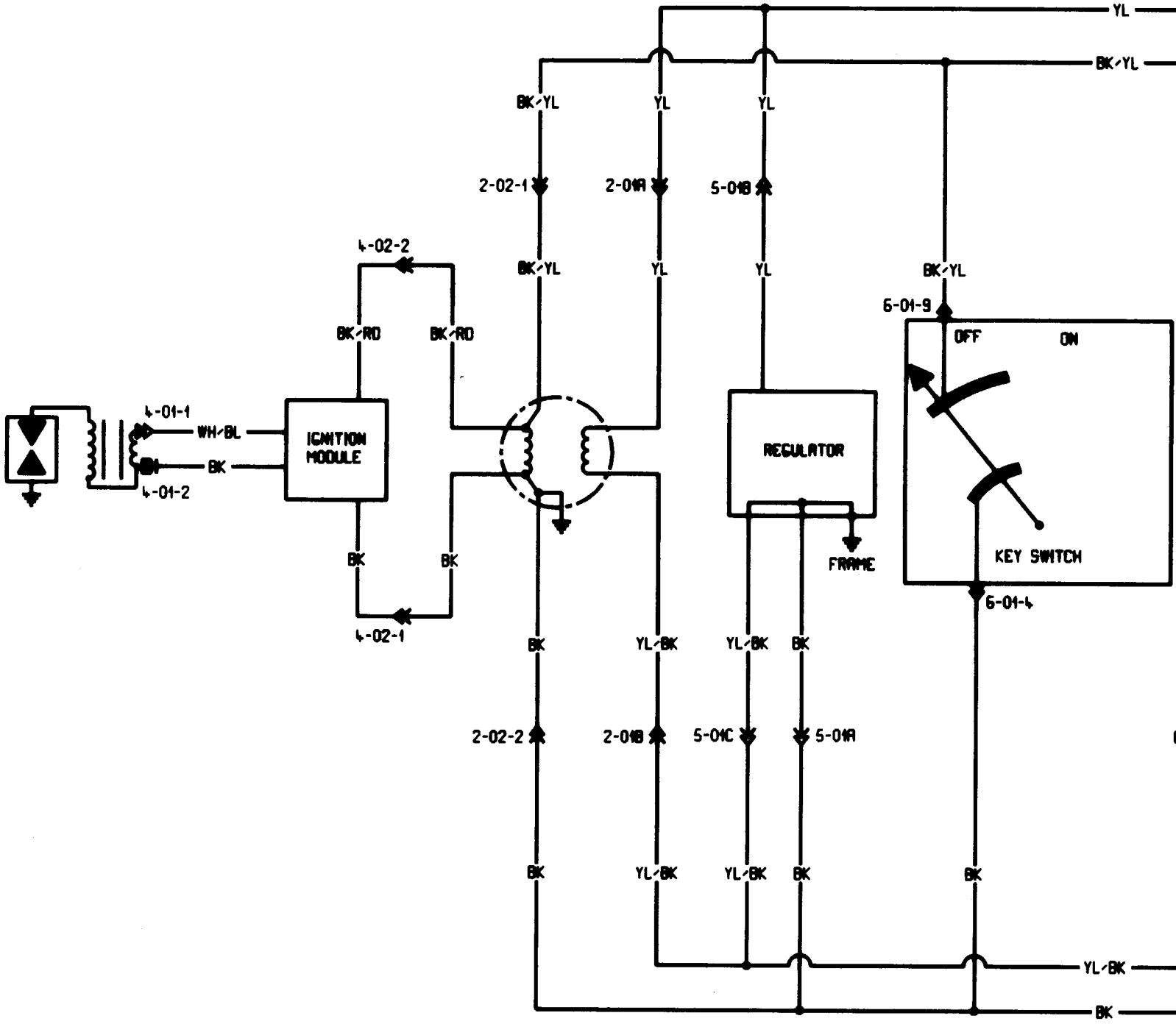
WARNING

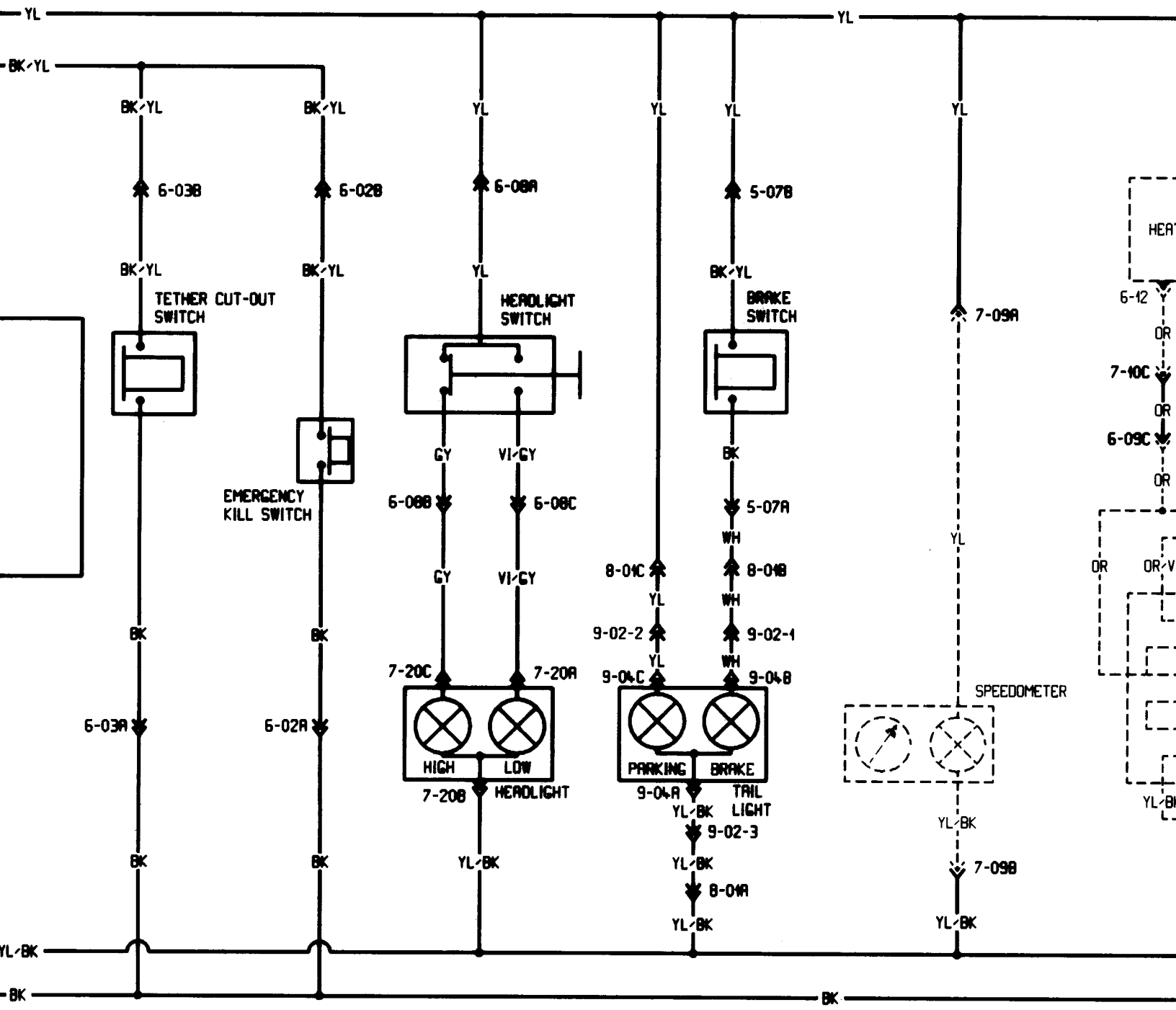
Keep wires away from any rotating, moving, heating, vibrating or sharp edge. Use proper fastening devices as required.

ANNEX 1

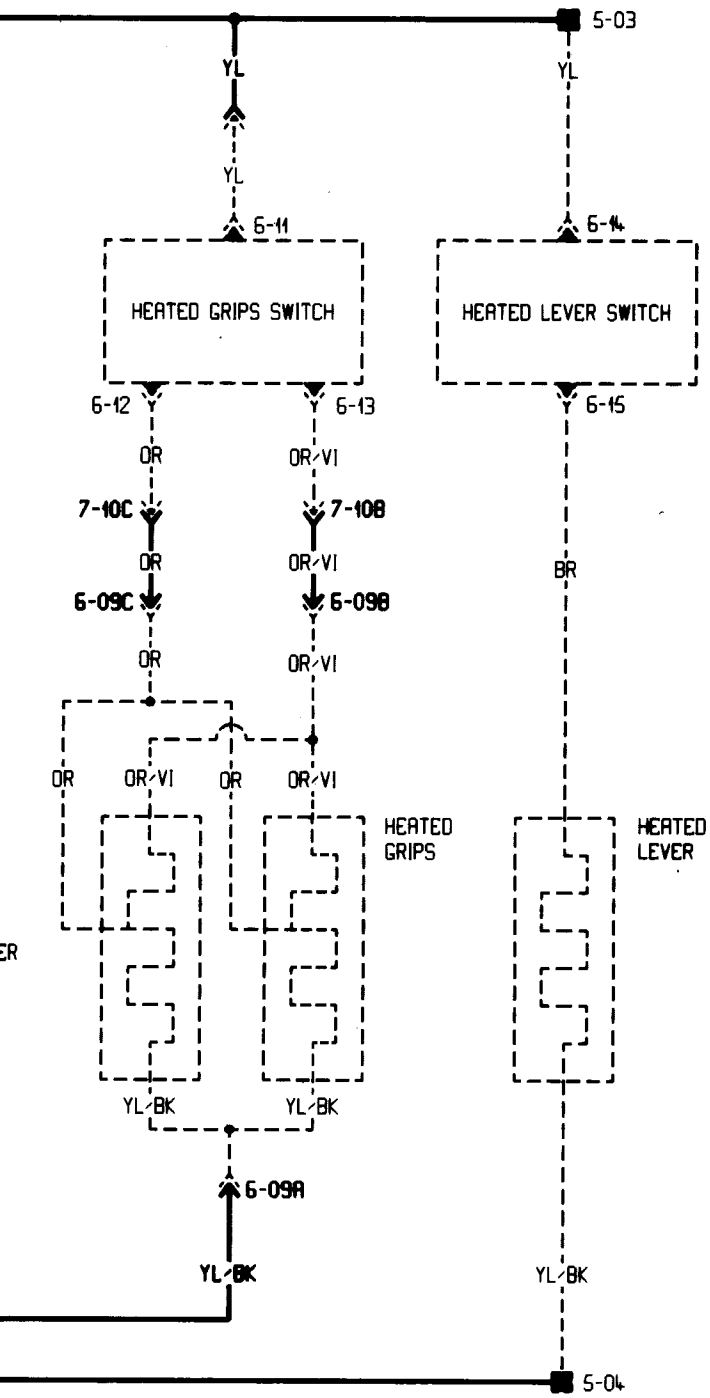
TUNDRA

'99 TUNDRA





IGNITION SWITCHES || LIGHTING || INSTRUMENTS

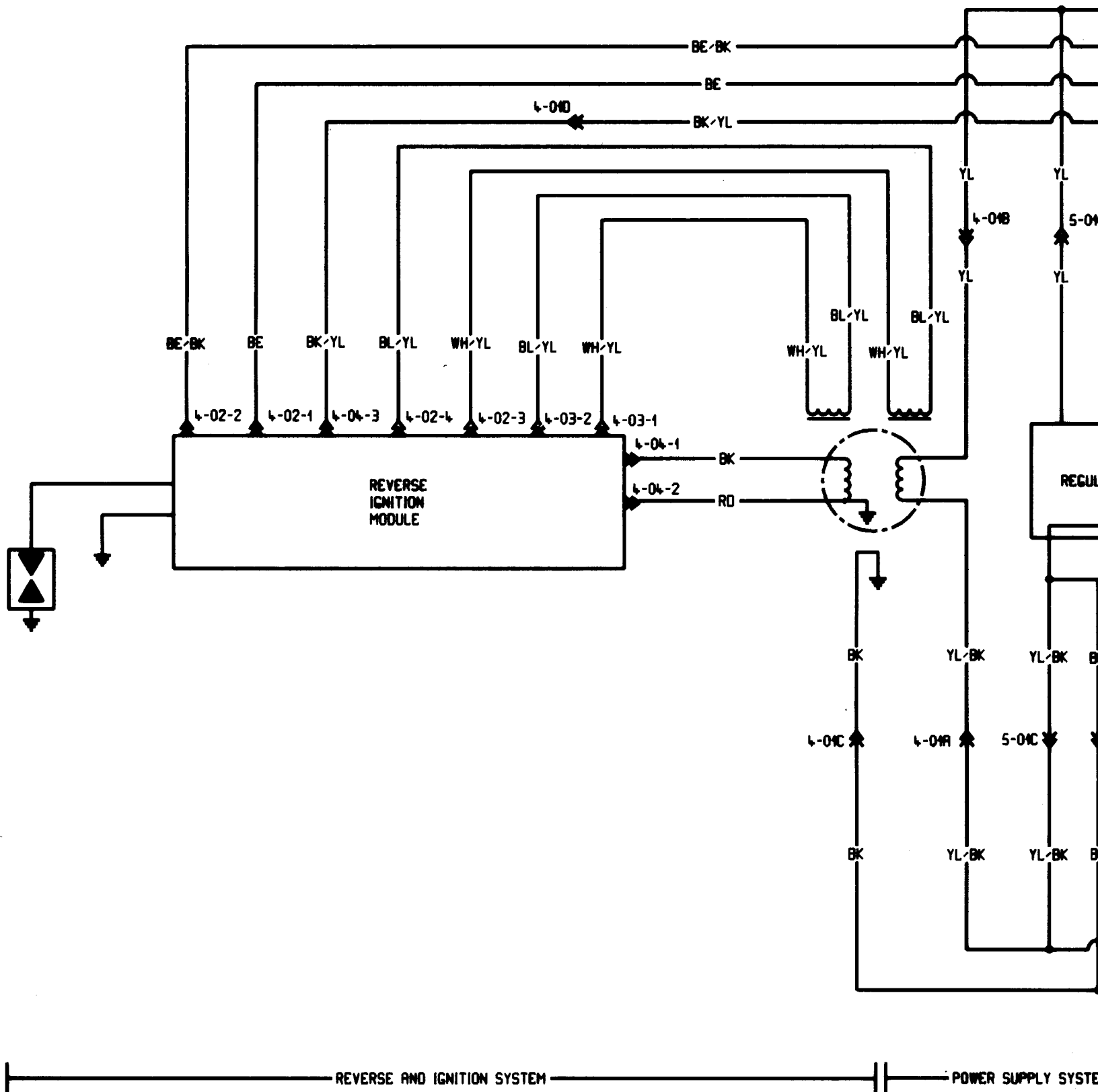


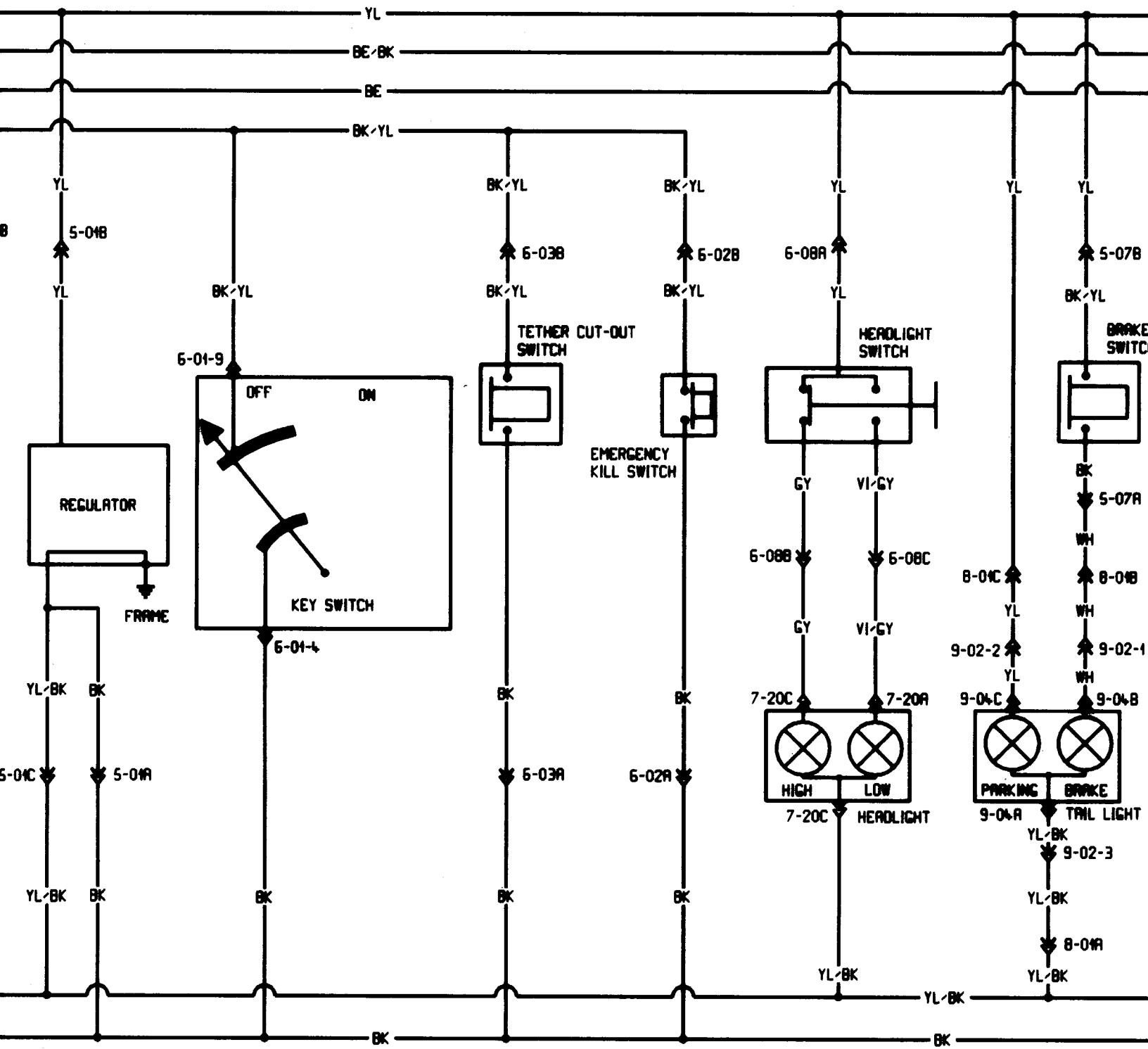
HEATING ELEMENTS

ANNEX 2

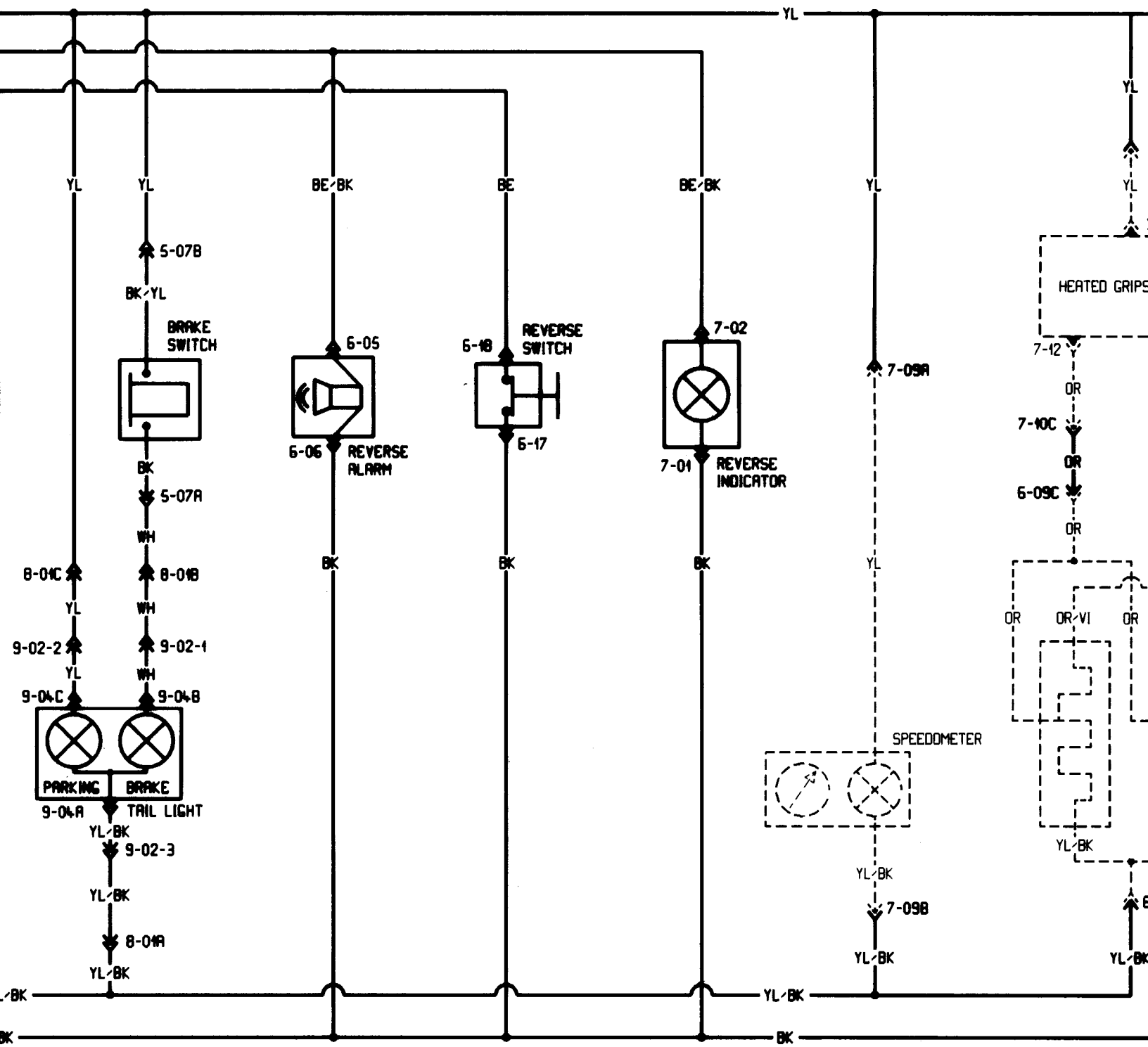
TUNDRA R

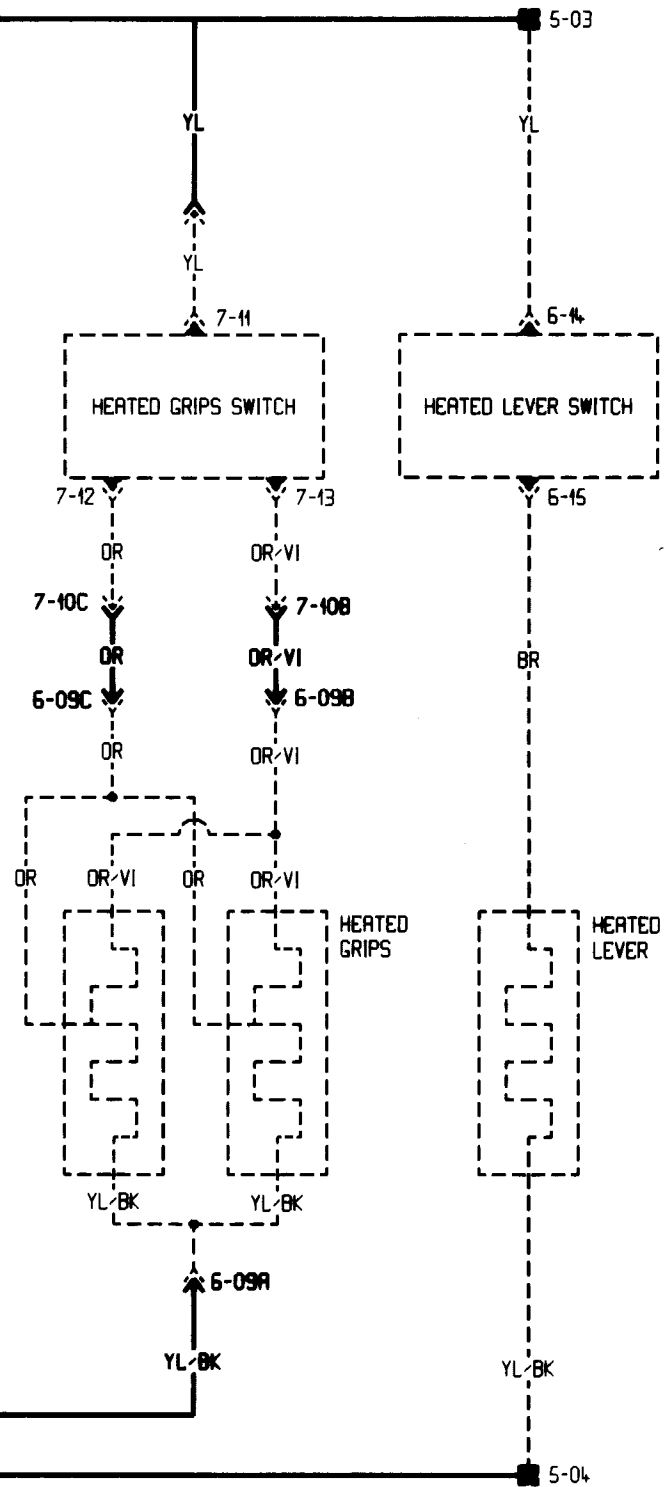
'99 TUNDRA R





SUPPLY SYSTEM ———— | | ———— IGNITION SWITCHES ———— | | ———— LIGHTING



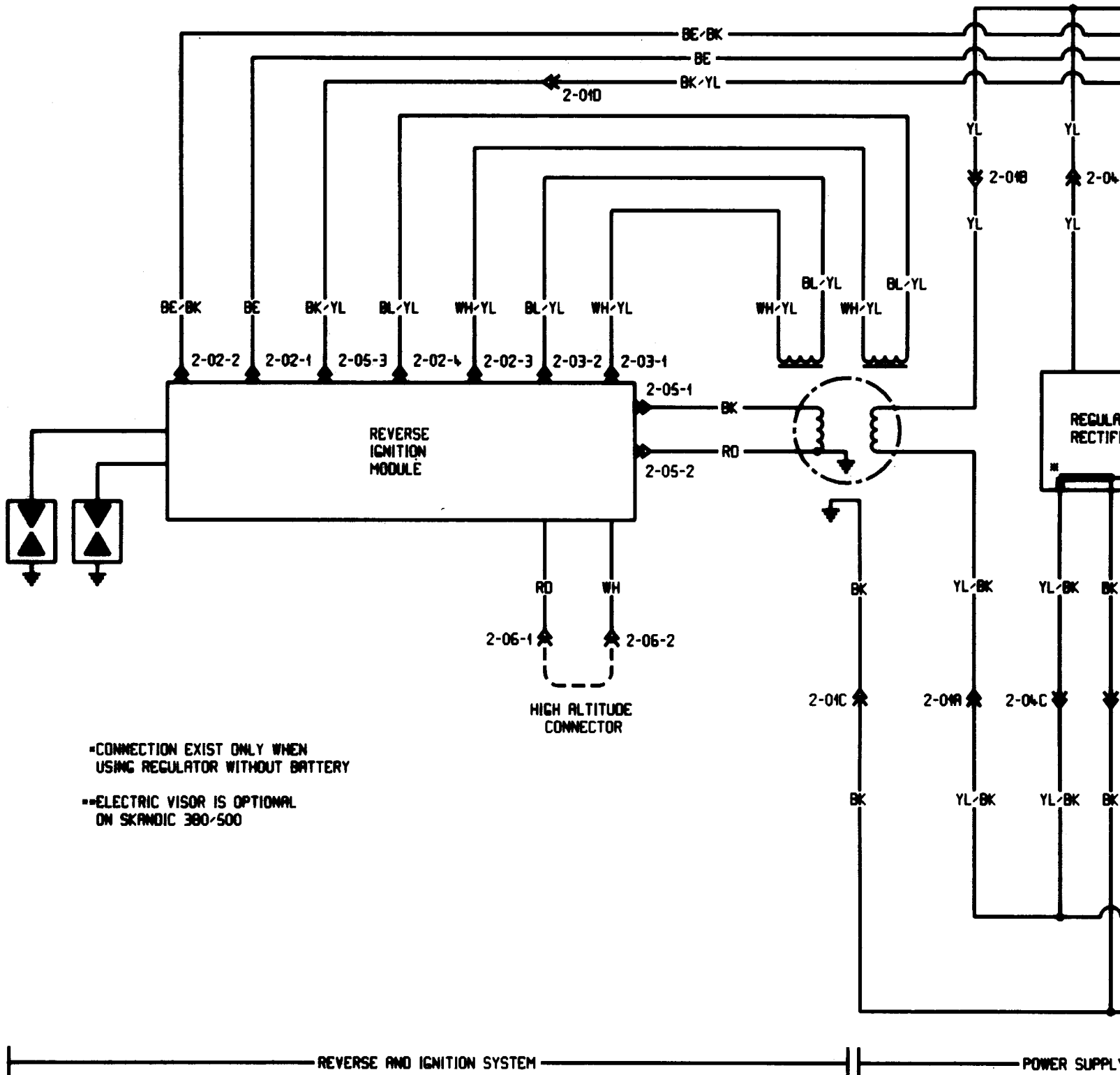


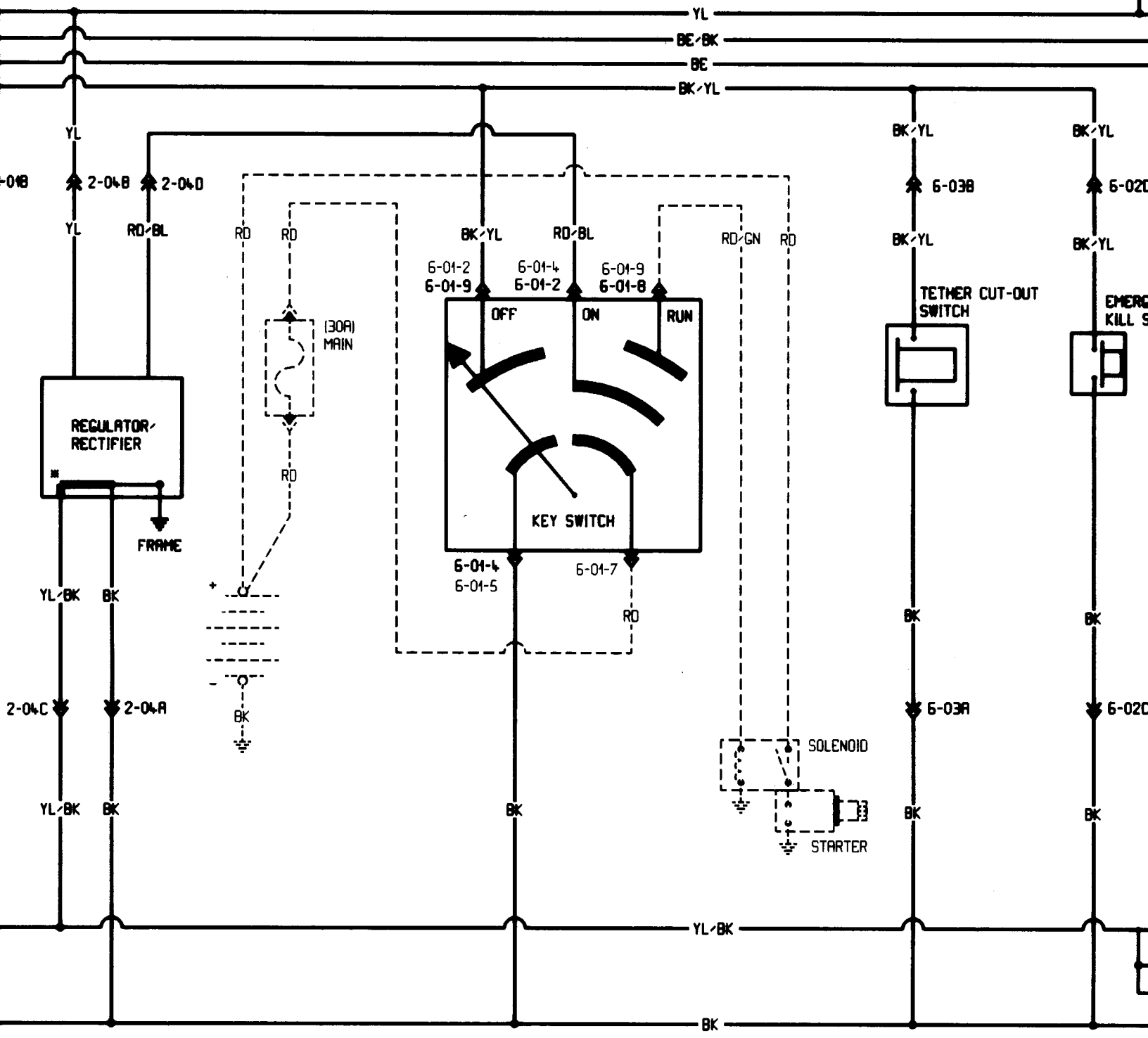
HEATING ELEMENTS

ANNEX 3

SKANDIC 380/500

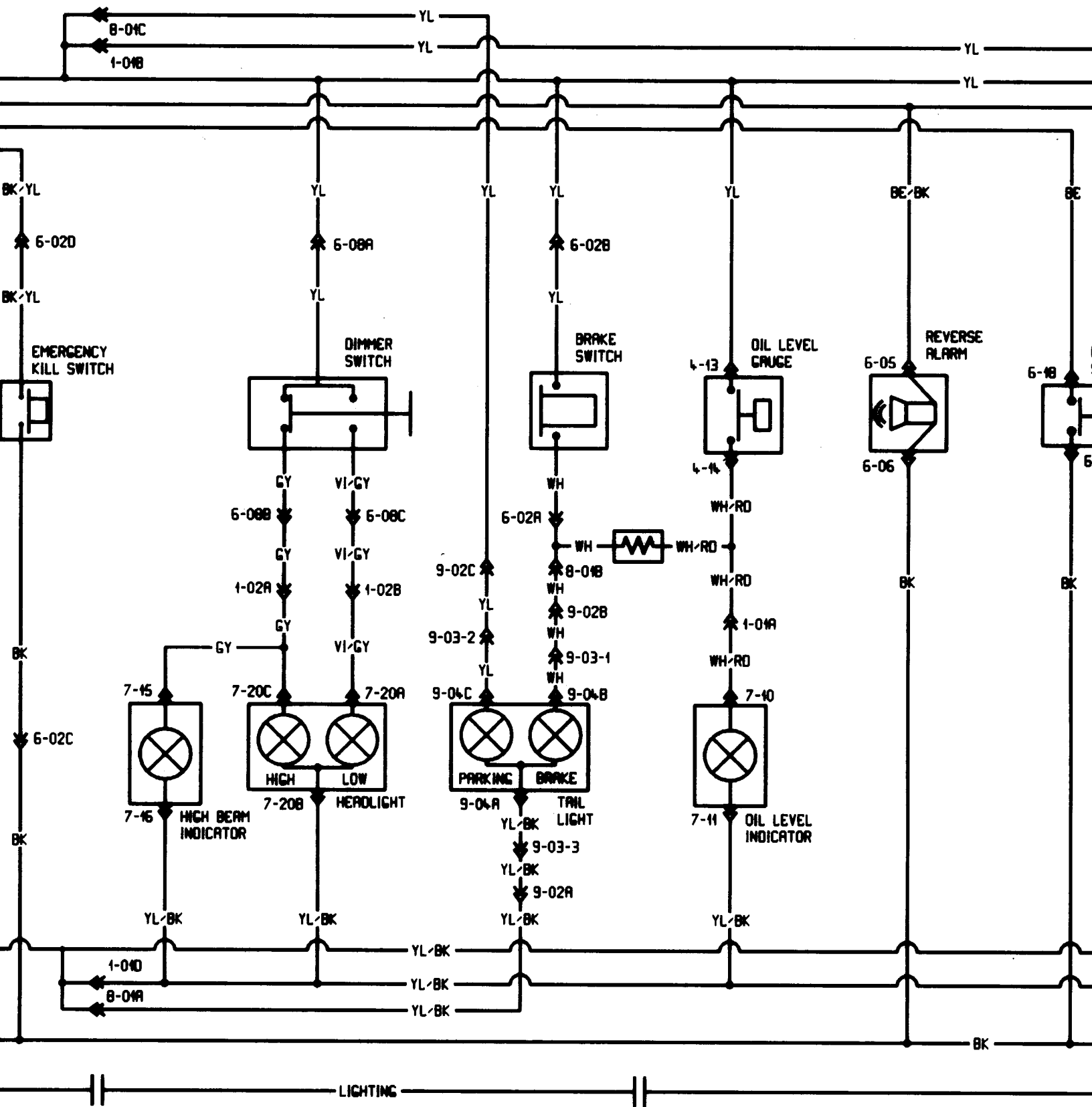
'99 SKANDIC 380/500

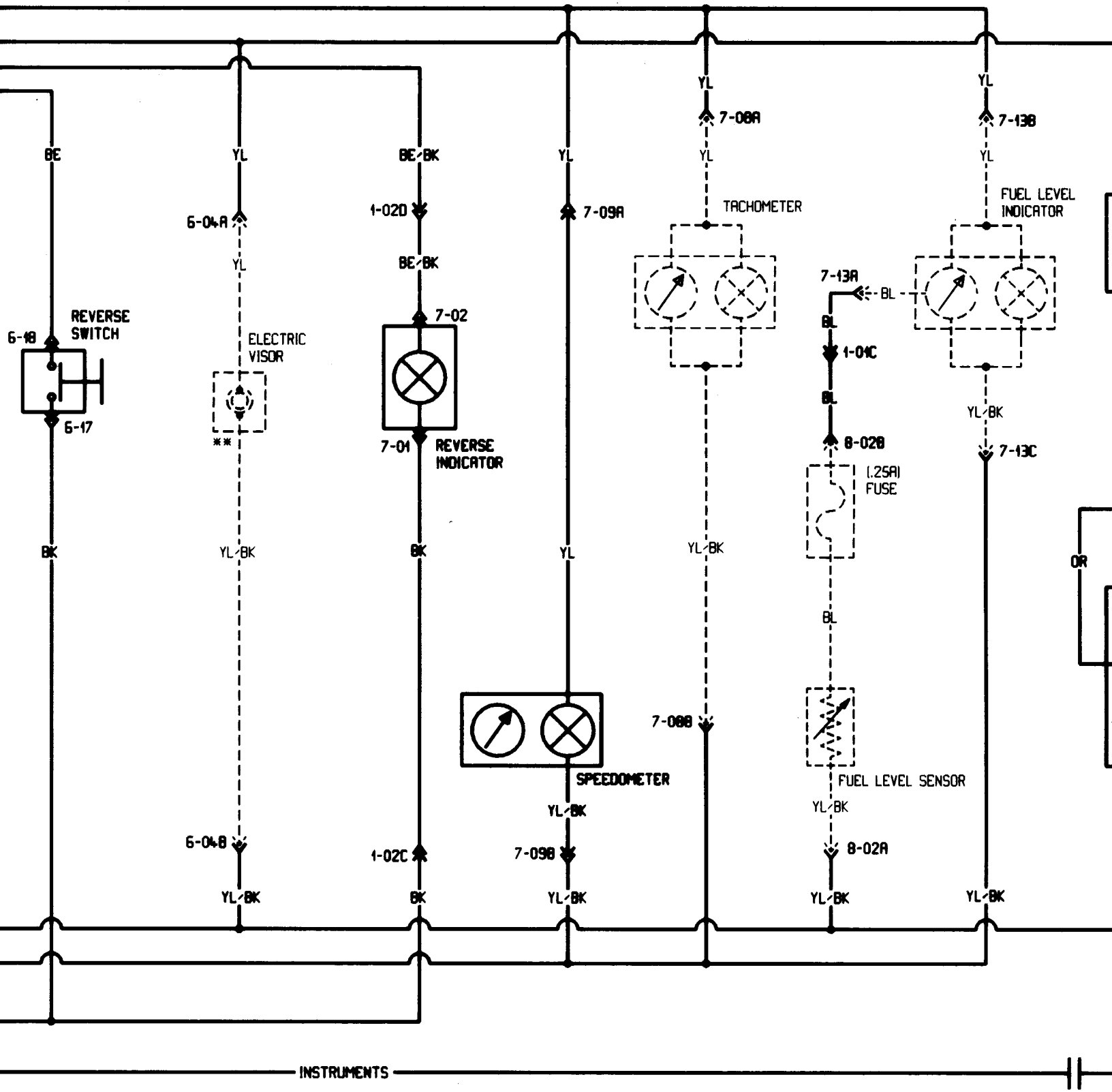


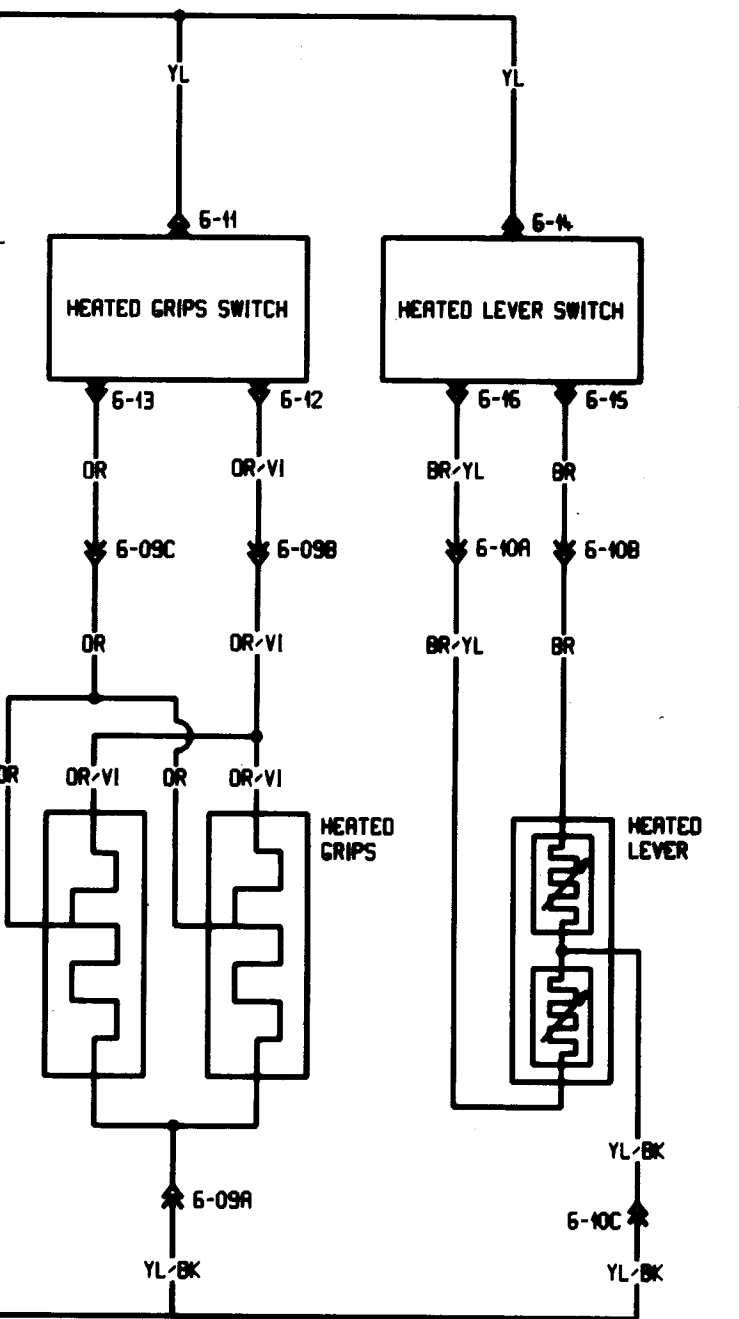


POWER SUPPLY SYSTEM

STARTER AND IGNITION SWITCHES



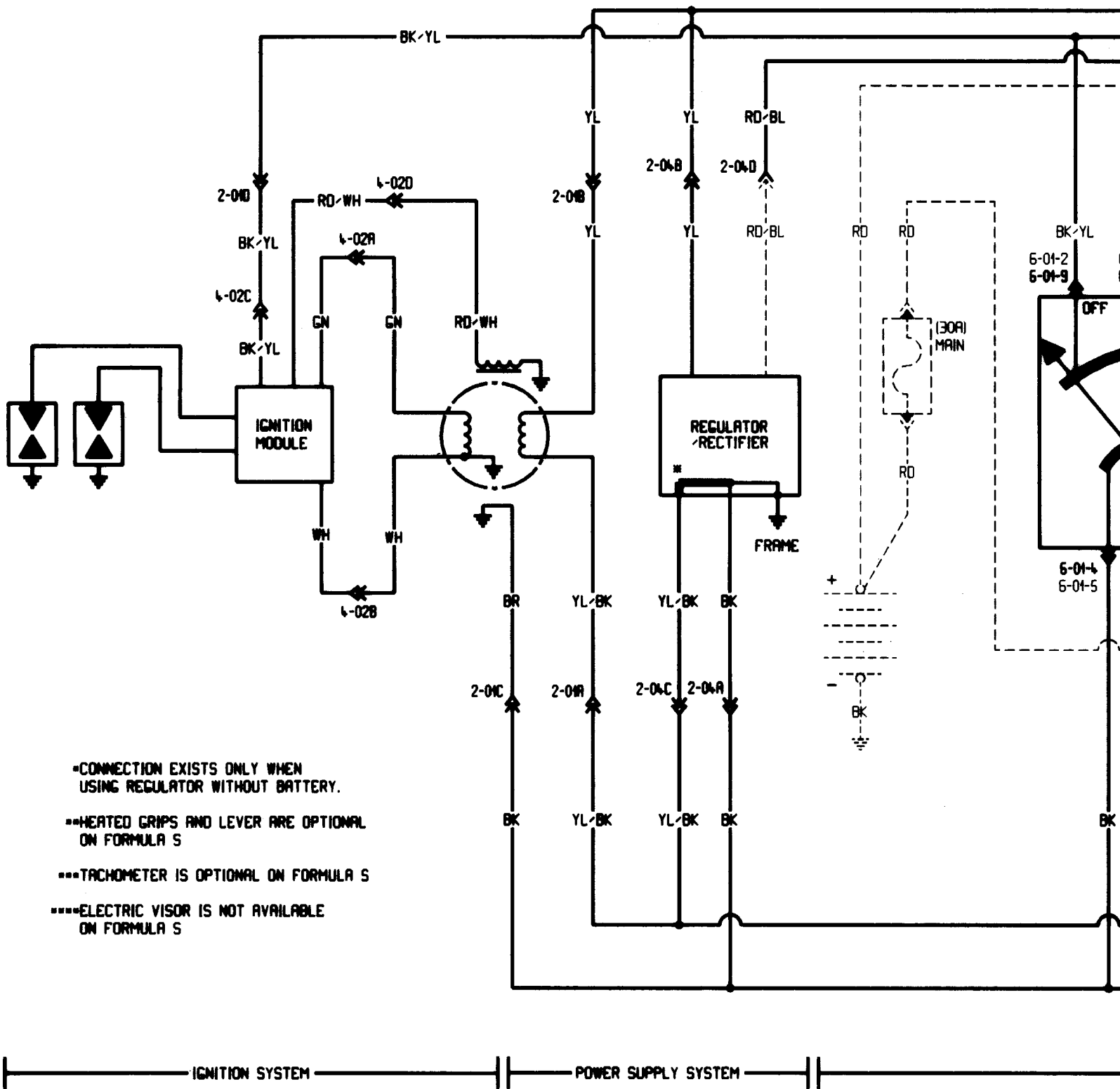


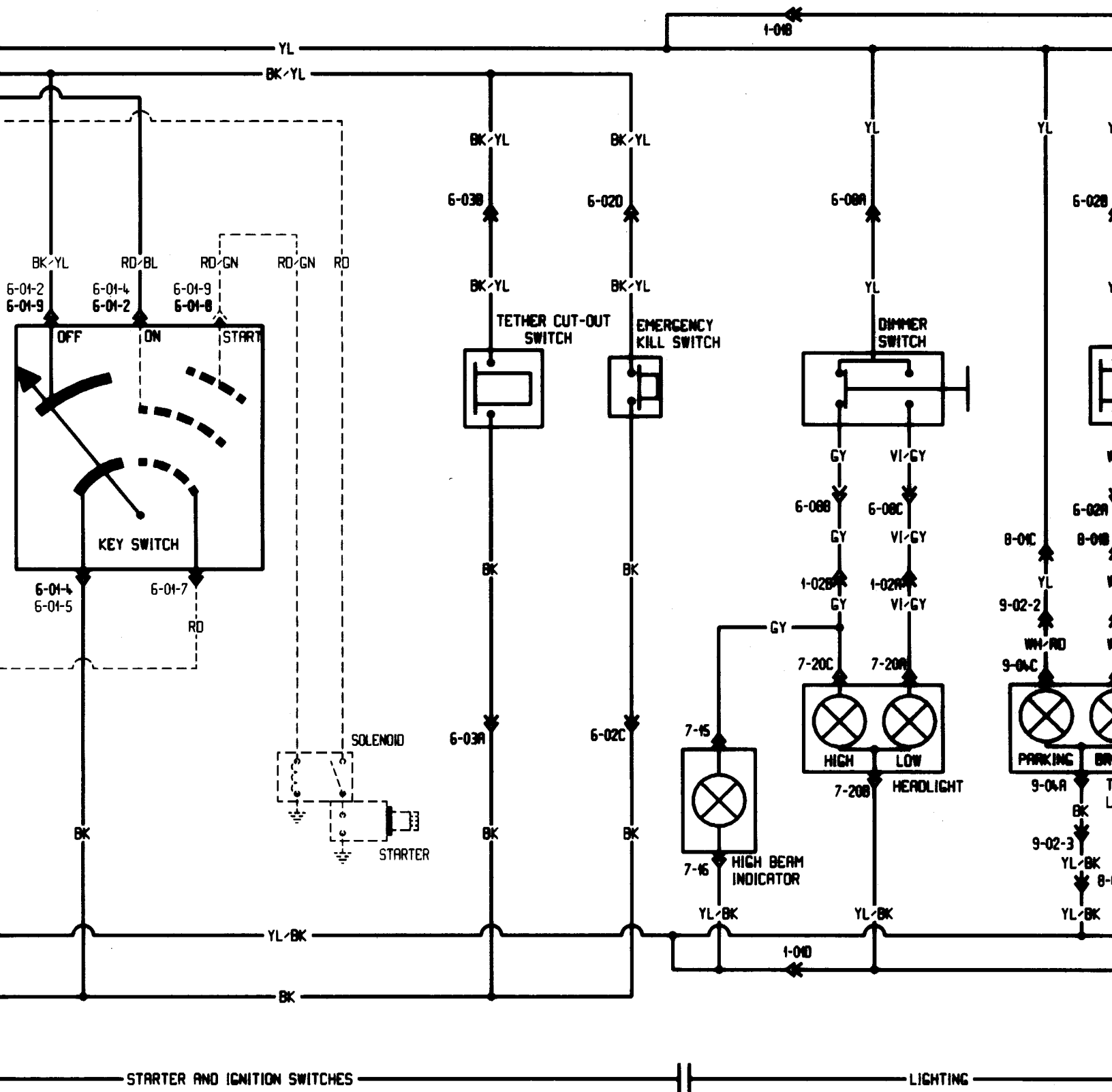


HEATING ELEMENTS

ANNEX 4 FORMULA S/SL

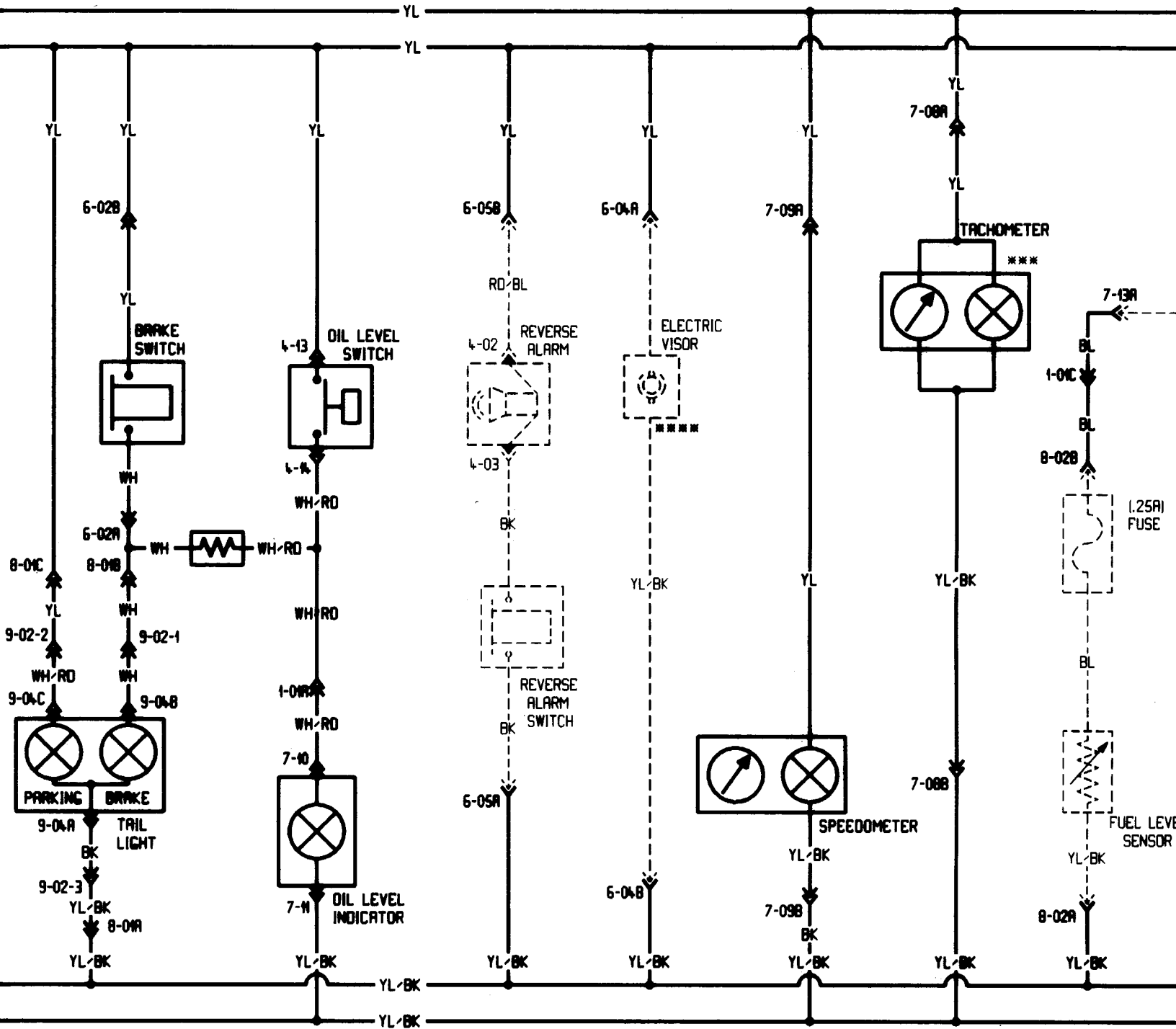
'99 FORMULA SL/S



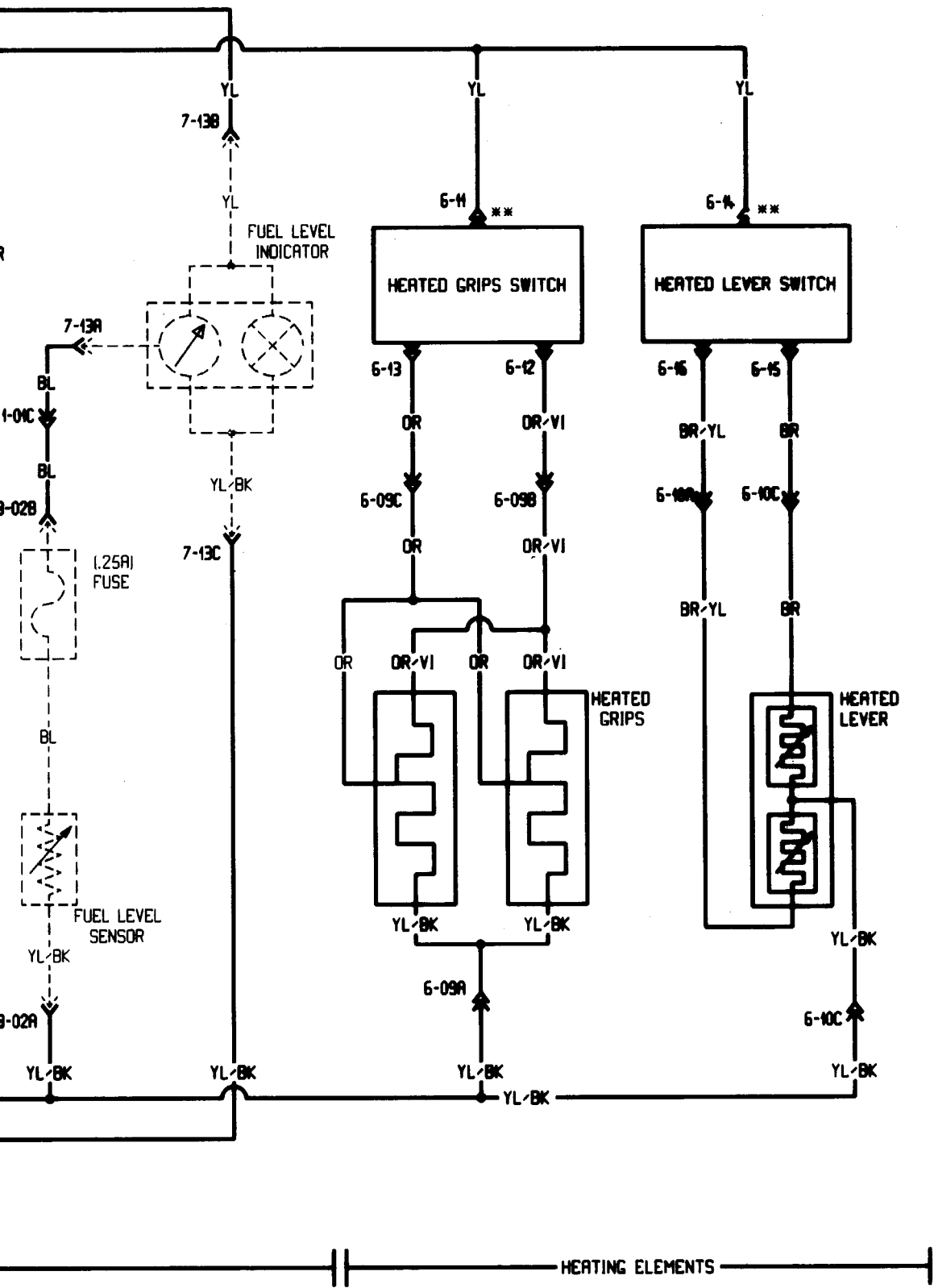


STARTER AND IGNITION SWITCHES

LIGHTING



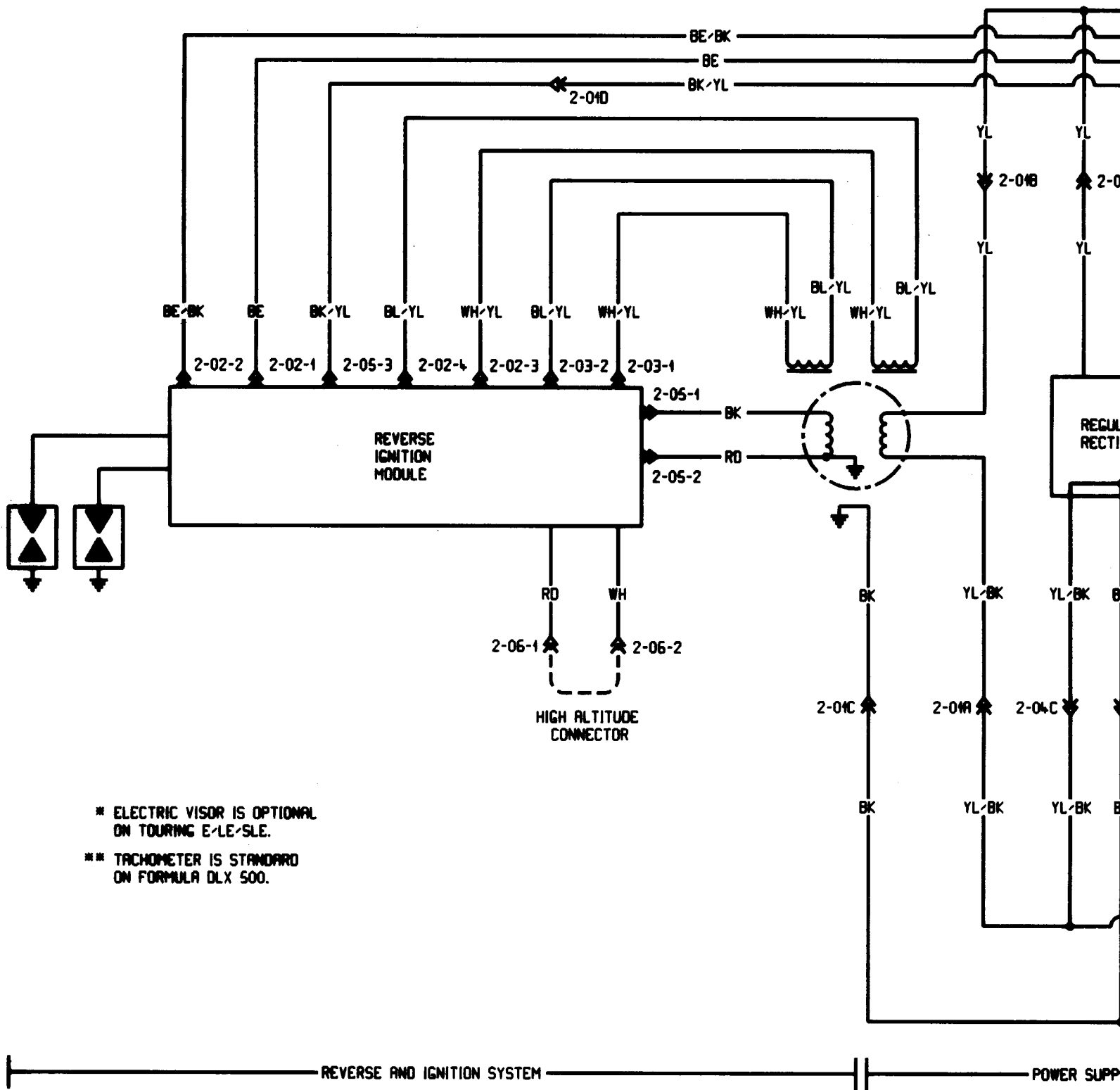
INSTRUMENTS



ANNEX 5

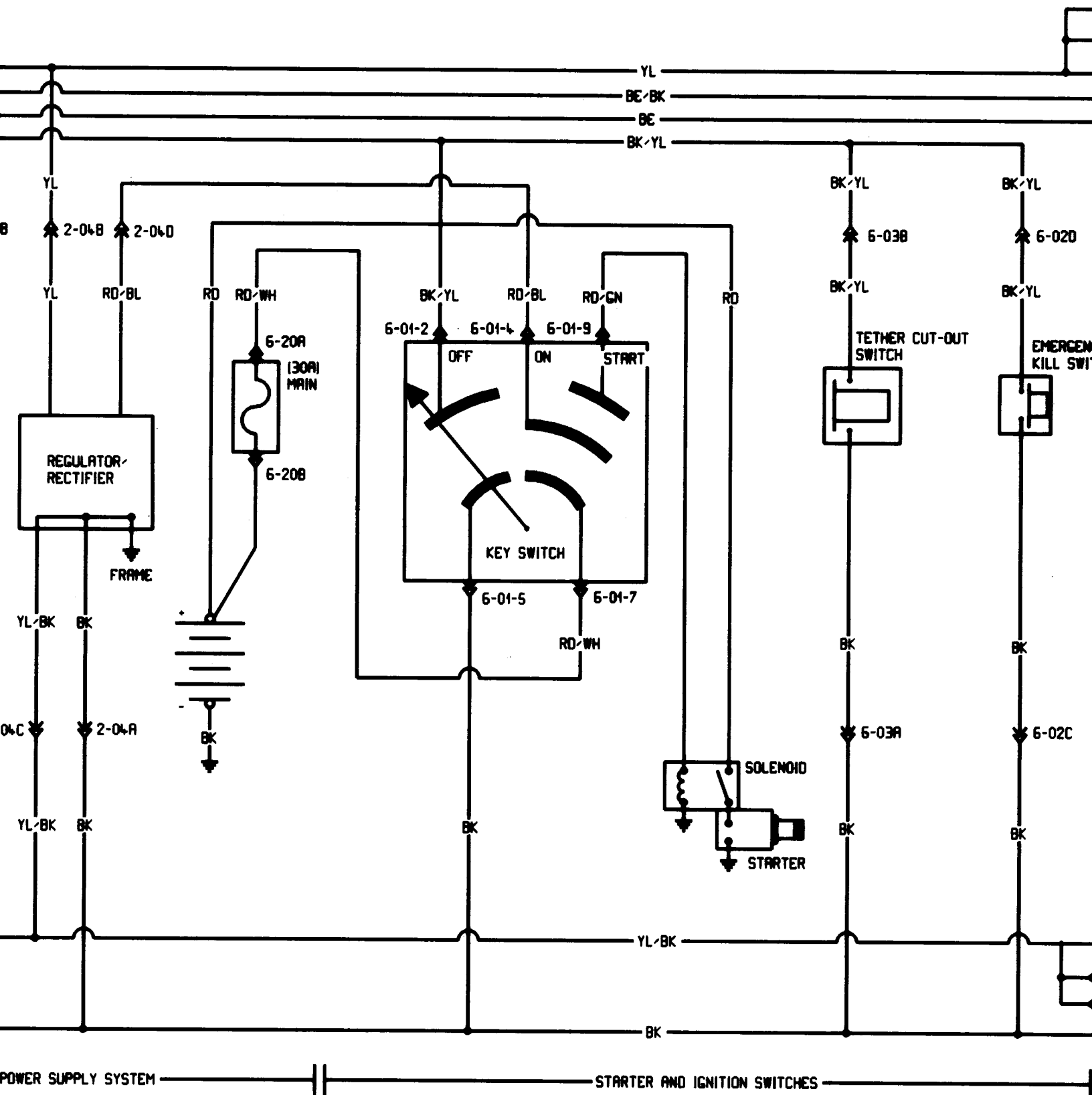
**TOURING E/LE/SLE
FORMULA DELUXE 380/500**

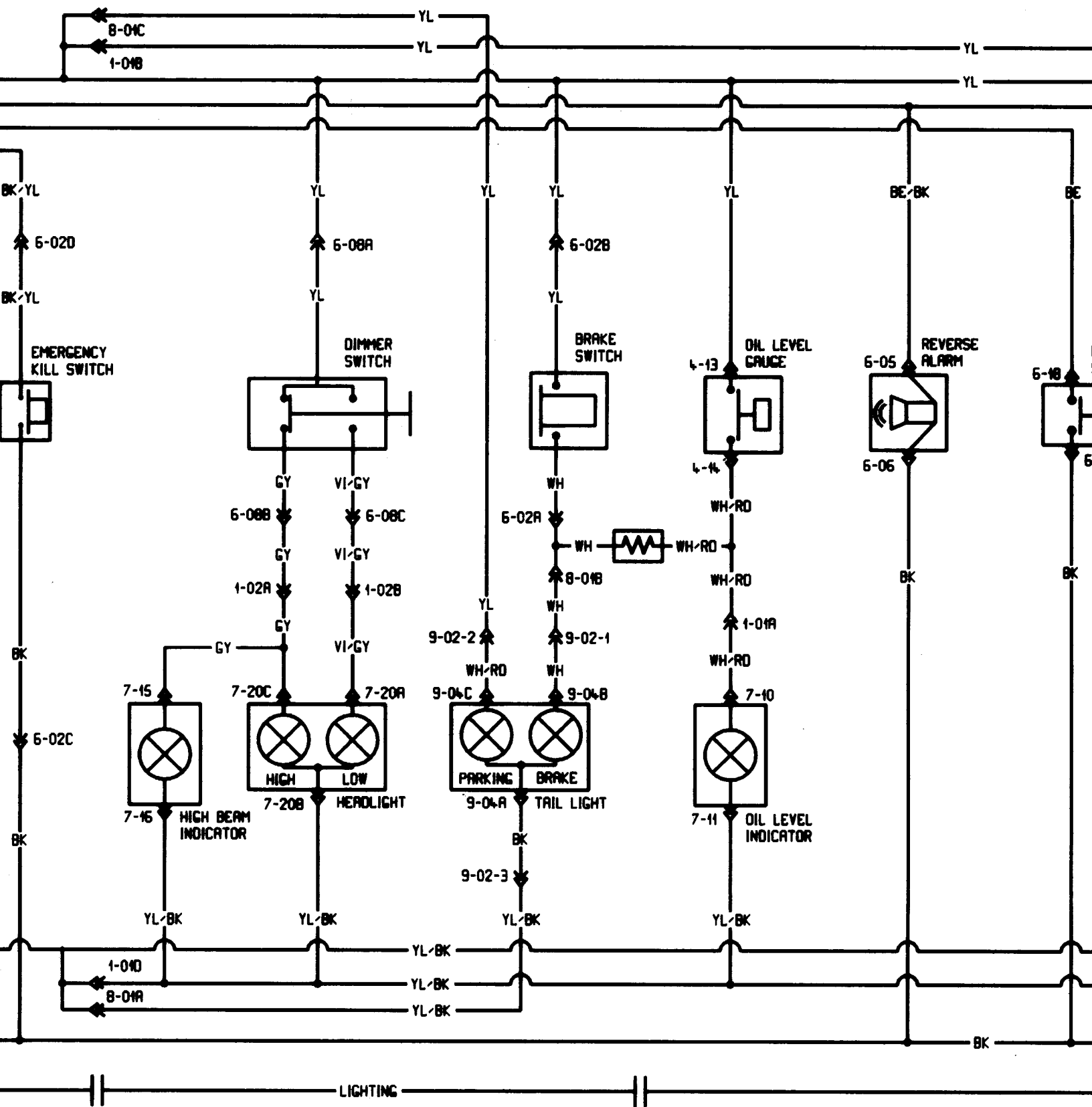
'99 TOURING E/LE/SLE
'99 FORMULA DLX 380/500

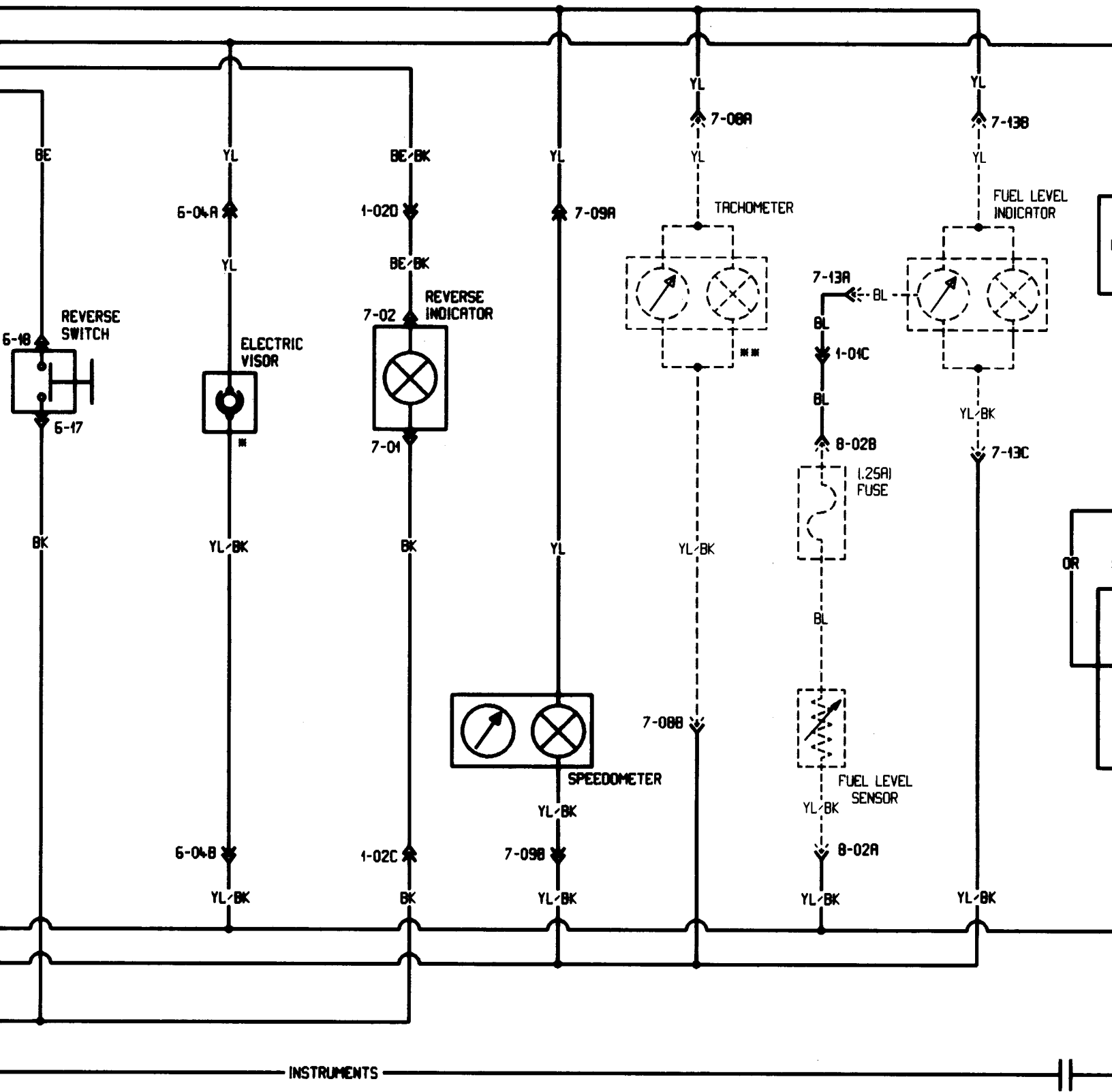


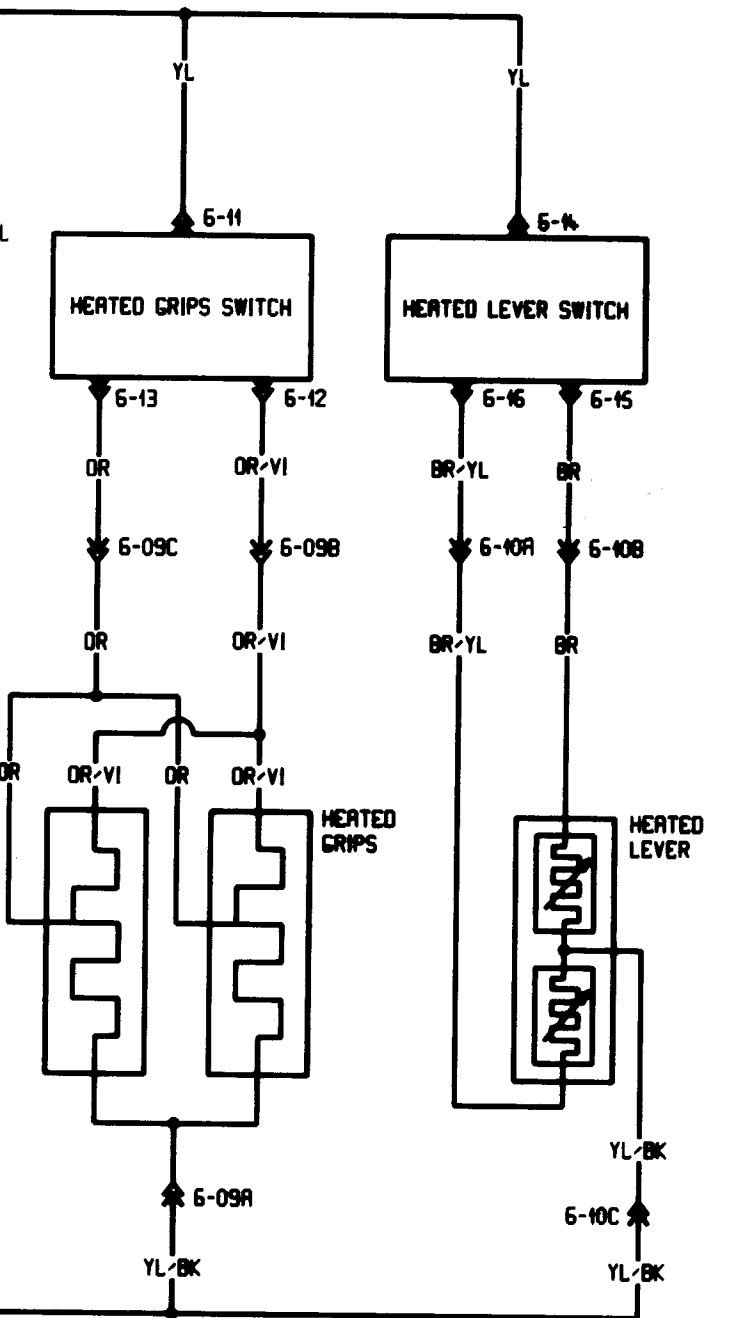
* ELECTRIC VISOR IS OPTIONAL ON TOURING E/LE/SLE.
 ** TACHOMETER IS STANDARD ON FORMULA DLX 500.

REVERSE AND IGNITION SYSTEM | POWER SUPPLY





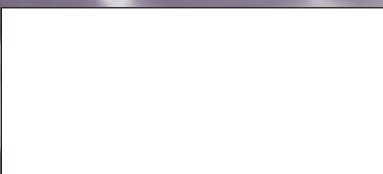




HEATING ELEMENTS



BOMBARDIER
RECREATIONAL PRODUCTS



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Litho'd in Canada

VERSION FRANÇAISE ÉGALEMENT DISPONIBLE