

WIRING DIAGRAMS

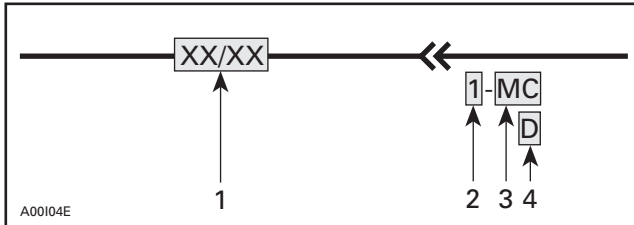
MODELS	WIRING DIAGRAM PAGE	HEADLIGHT (watt)	TAILLIGHT (watt)	ELECTRICAL SYSTEM OUTPUT (watt)
Grand Touring 500/600	Annex 1	60/55 hal.	8/27	290
Grand Touring 700	Annex 2	60/55 hal.	8/27	290
MX Z 500/600/700 STD/TRAIL	Annex 3	60/55 hal.	8/27	290
MX Z X/Adrenaline/600/700/800	Annex 4	60/55 hal.	8/27	290
Formula DLX STD/GS/GSE 600/700	Annex 5	60/55 hal.	8/27	290
Formula DLX STD 500/600	Annex 6	60/55 hal.	8/27	290
Summit 600/700/800	Annex 7	60/55 hal.	8/27	290

hal. = halogen

WIRING DIAGRAM LEGEND

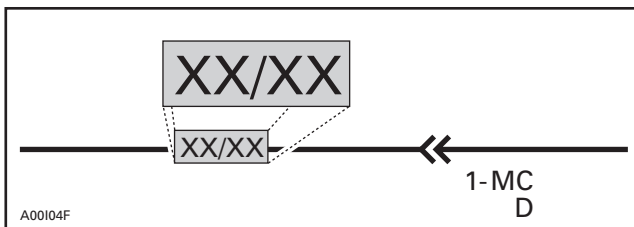
⚠ WARNING

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



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

WIRE COLORS

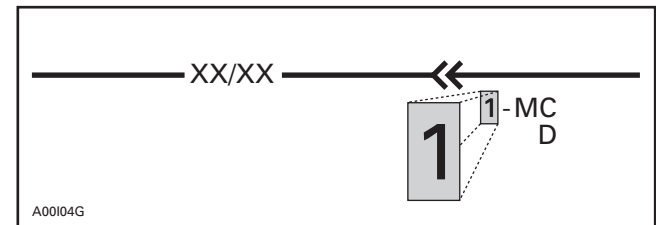


The first color of a wire is the main color, second color is the stripe.

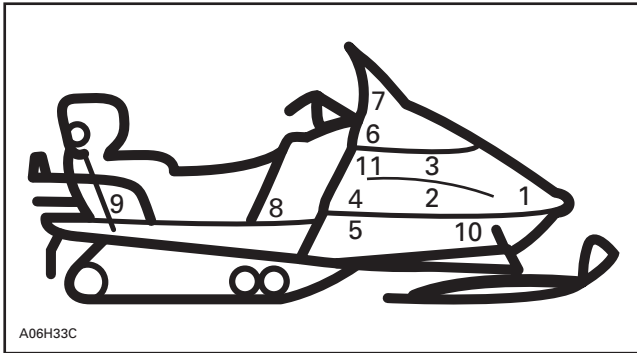
Example: YL/BK is a YELLOW wire with a BLACK stripe.

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

CONNECTOR HOUSING AREA

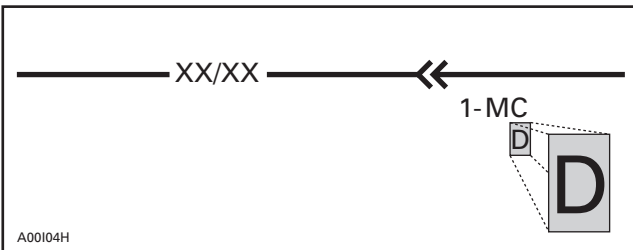


Section 11 WIRING DIAGRAMS
 Subsection 01 (WIRING DIAGRAMS)



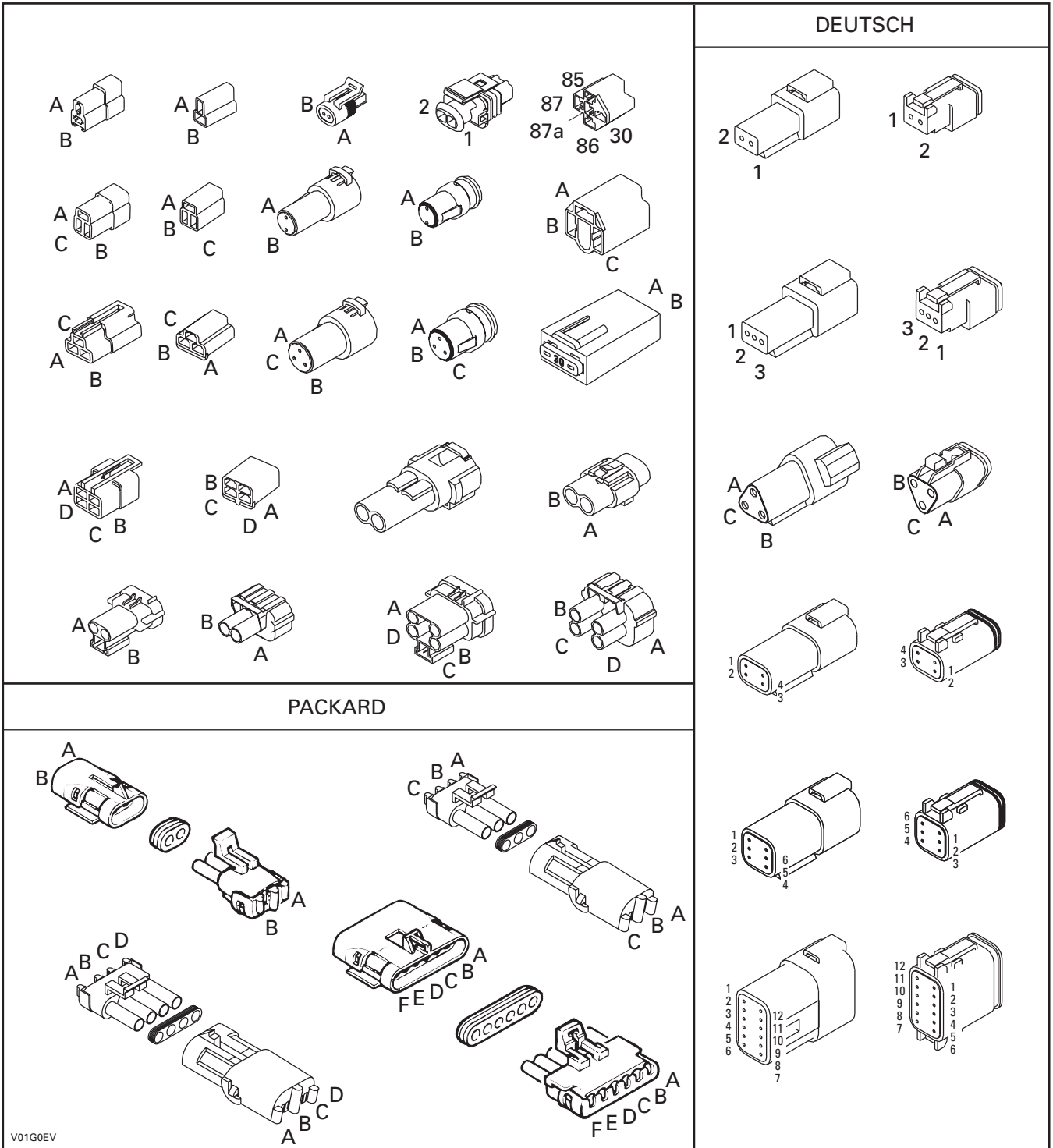
AREA	LOCATION
1	Front of engine compartment
2	Magneto
3	Carburetors
4	Near of intake silencer
5	Near driven pulley
6	Under console
7	Under hood
8	Near fuel tank
9	Rear of seat
10	Under engine
11	On injection oil reservoir

CONNECTOR LOCATION IN HOUSING



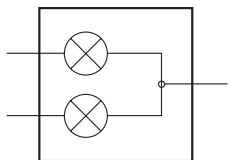
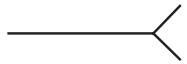
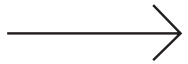
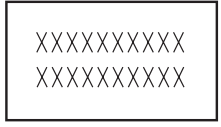
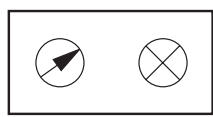
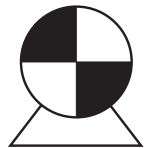
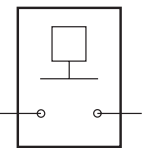
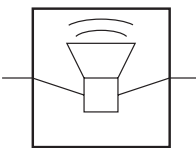
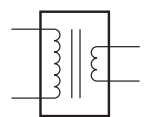
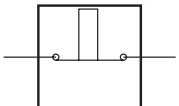
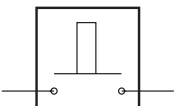


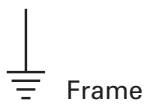


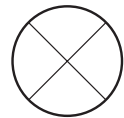
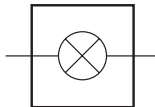
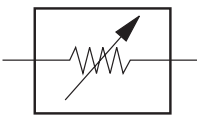
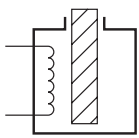

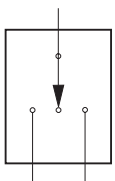
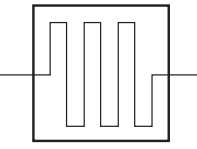
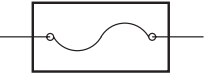

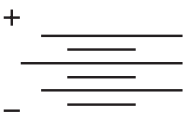
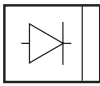

Section 11 WIRING DIAGRAMS

Subsection 01 (WIRING DIAGRAMS)



Section 11 WIRING DIAGRAMS
 Subsection 01 (WIRING DIAGRAMS)

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</p> 	<p>Analog sensor</p> 	<p>Solenoid valve</p> 
<p>Magneto (Delta)</p> 	<p>3 position switch</p> 	<p>Heating element</p> 	<p>Fuse</p> 
<p>Trigger coil</p> 	<p>Battery</p> 	<p>Diode</p> 	<p>Partially illustrated component</p> 

A00E55S

UNPLUGGING CONNECTORS

Always unplug connectors by pulling on housing not on wire.

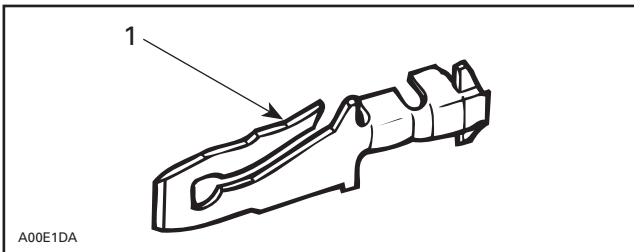


A06E1PA
TYPICAL

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.

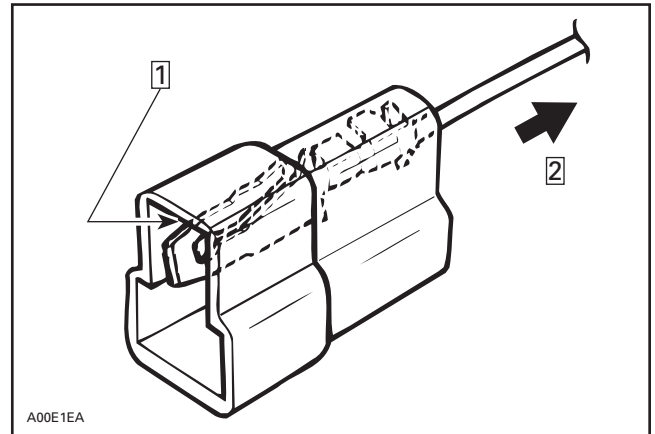


A00E1DA
TAB CONNECTOR

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.



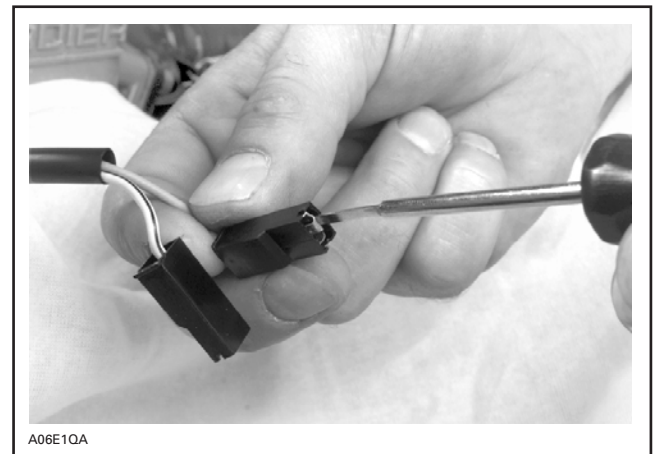
Step 1: Insert screwdriver here

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.



A06E1QA

Section 11 WIRING DIAGRAMS

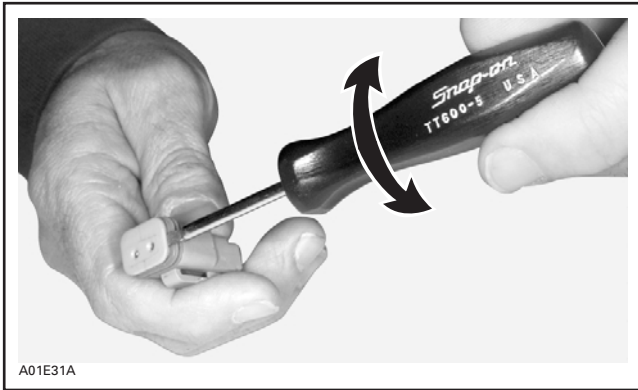
Subsection 01 (WIRING DIAGRAMS)

Waterproof Connector Housing

Female Connector Housing

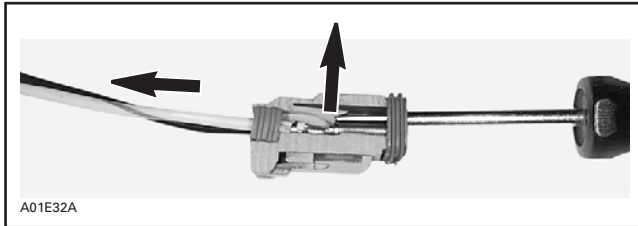
To remove:

- 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.



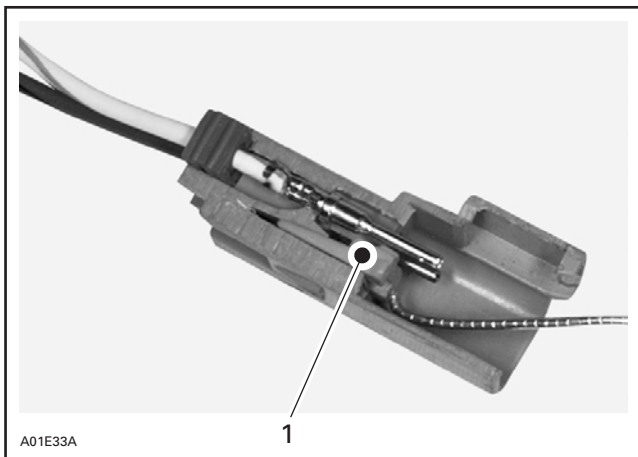
A01E32A

FEMALE CONNECTOR HOUSING — CUT-AWAY

Male Connector Housing

To remove:

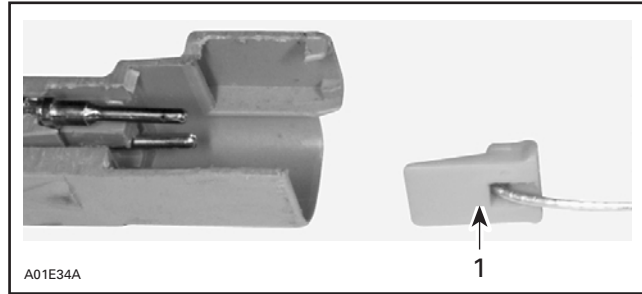
- Using a small hook, pull out the lock.



A01E33A

1

1. Lock

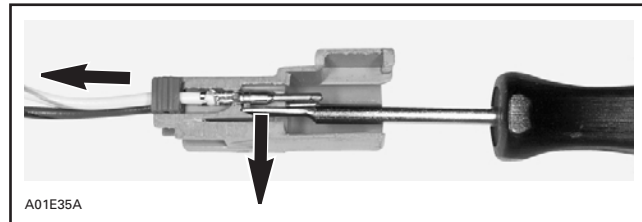


A01E34A

1

1. Lock

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



A01E35A

MALE CONNECTOR HOUSING — CUT-AWAY

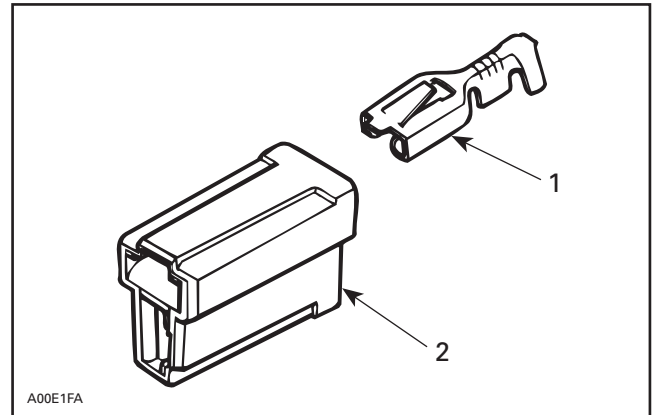
Round Connector Housing

Female Connector Housing



A00E56A

Male Connector Housing

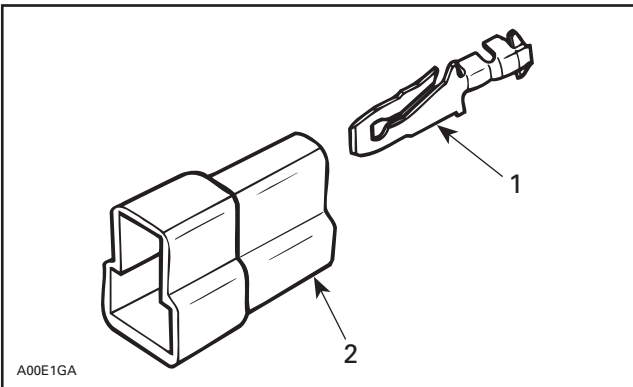


TYPICAL
1. Receptacle
2. Housing

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.



1. Tab
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.

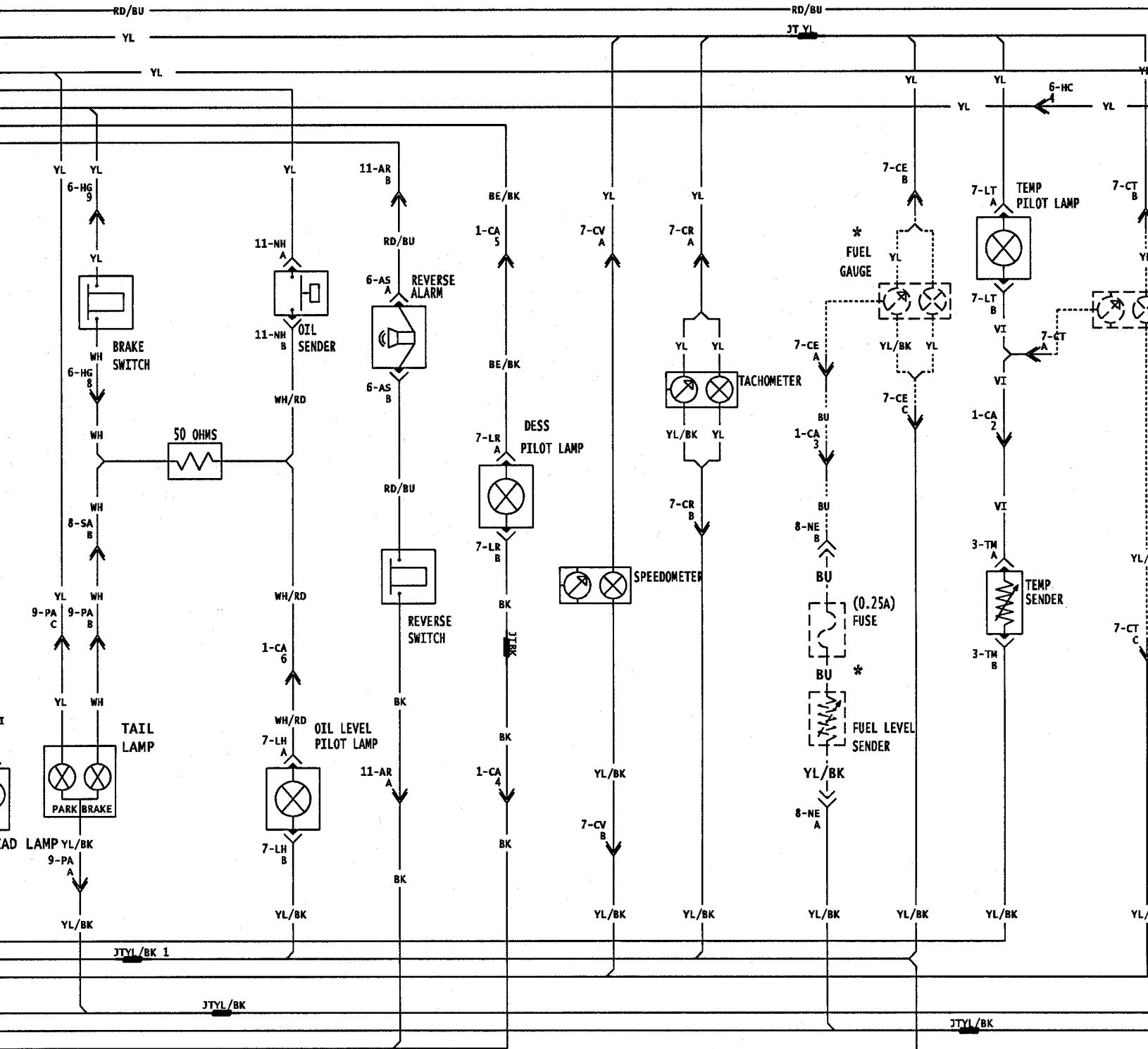
Never interconnect AC and DC grounds as an AC voltage drop will result. When installing accessories on **any** snowmobile, connect their wires directly to the YELLOW and YELLOW/BLACK lighting coil wires.

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 GRAND TOURING 500/600

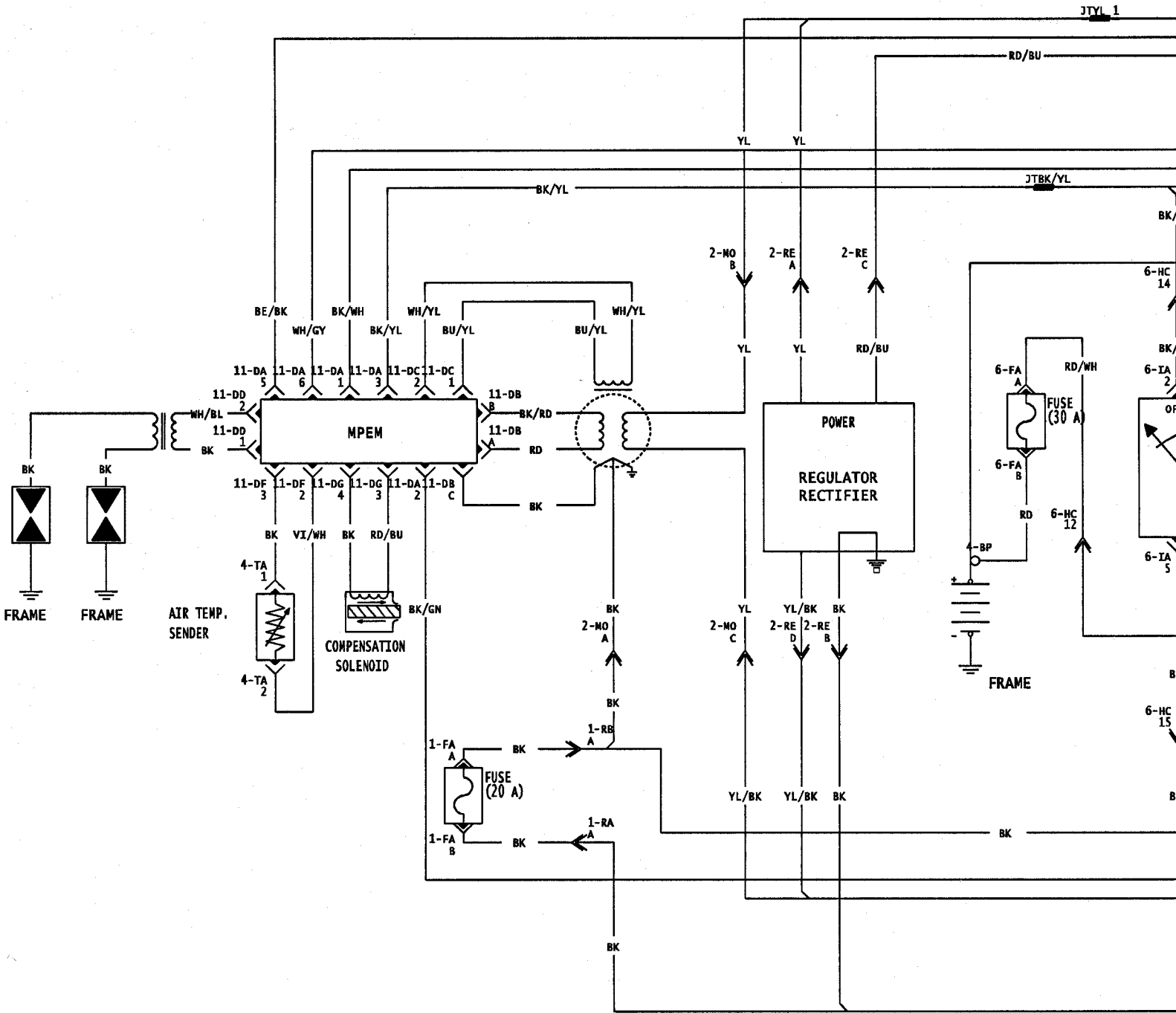


INSTRUMENTS

ANNEX 2

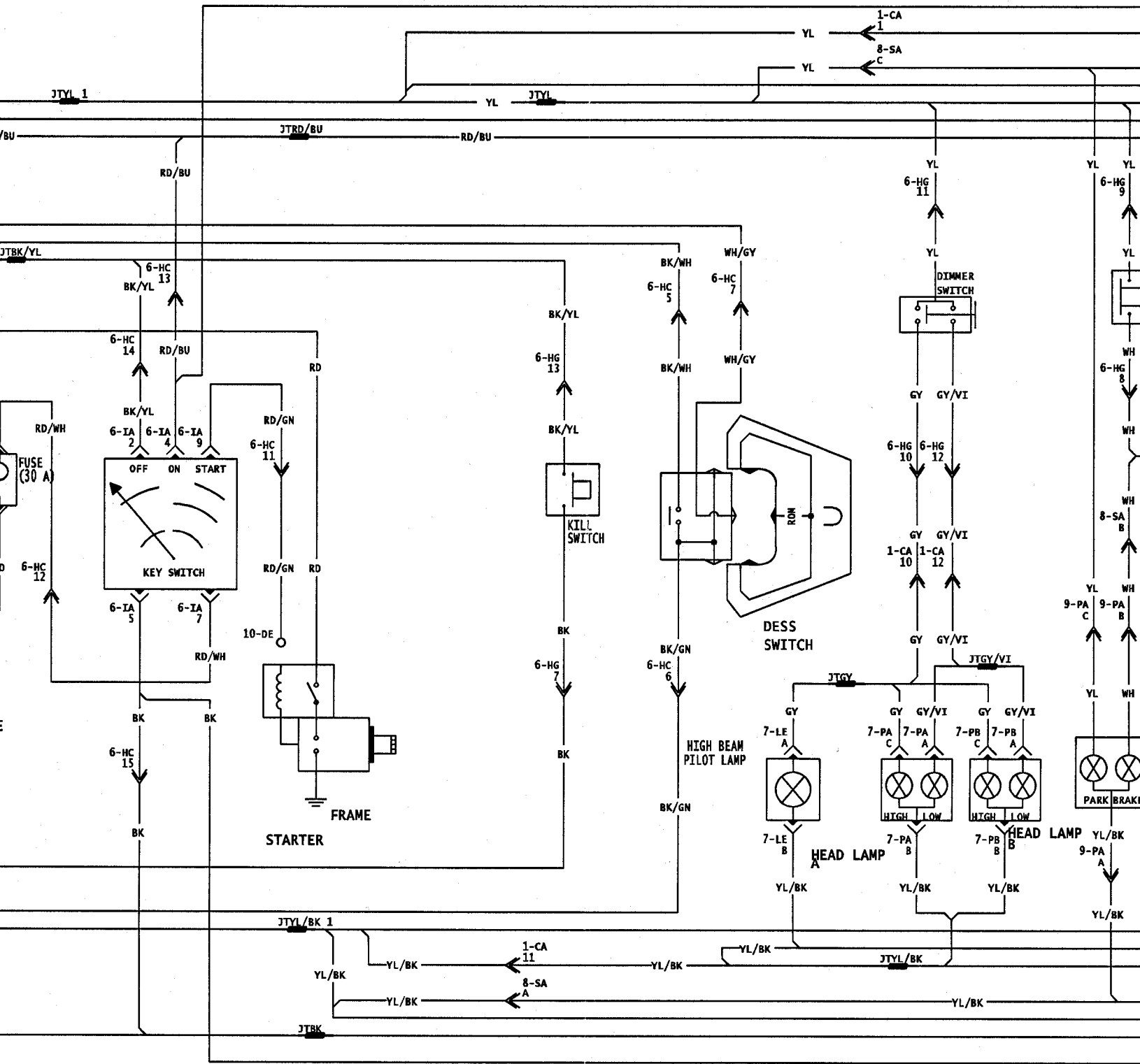
GRAND TOURING 700

2001 GRAND TOURING 700



IGNITION SYSTEM

POWER SUPPLY

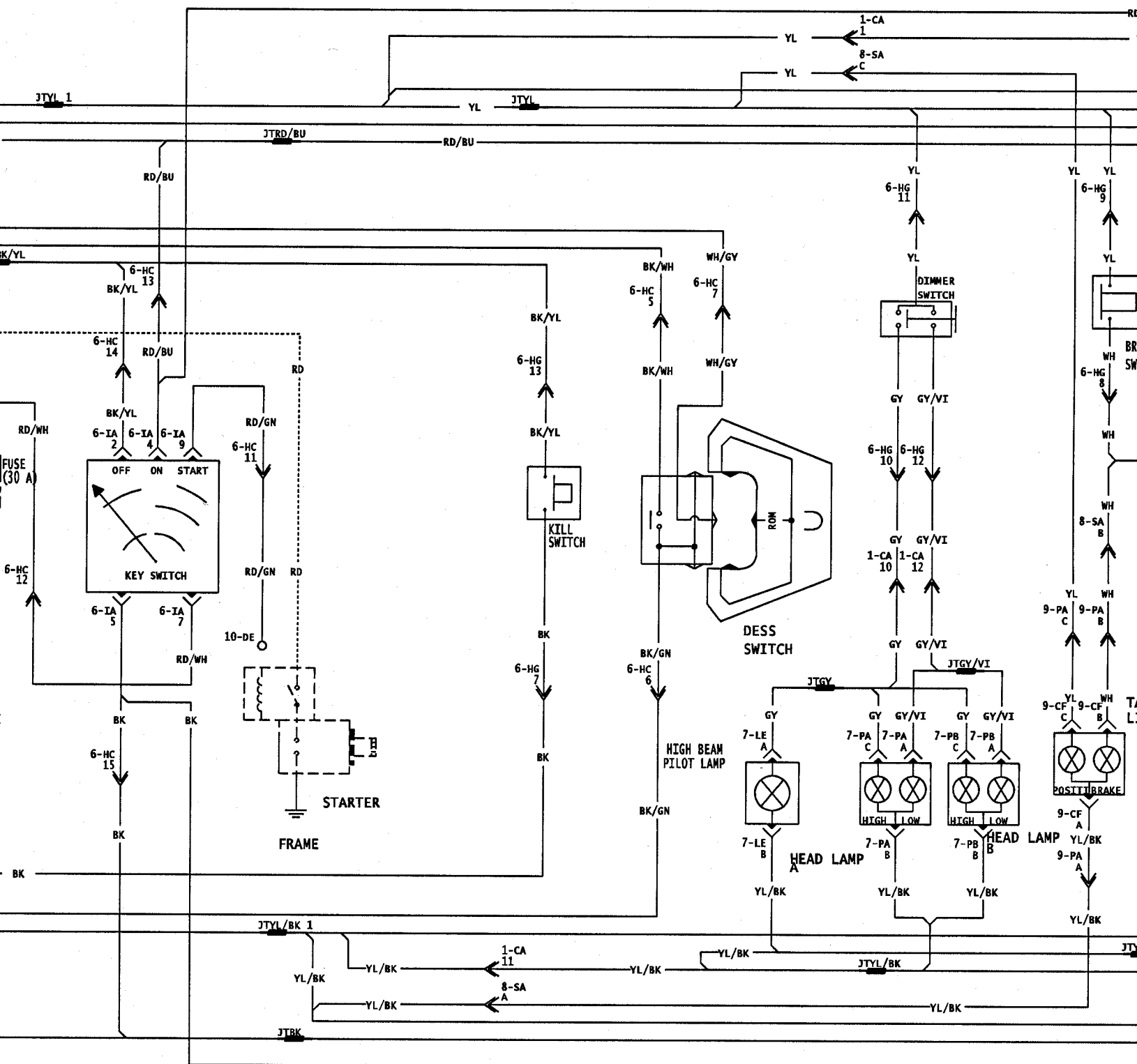


STARTER AND IGNITION SWITCHES

LIGHTING

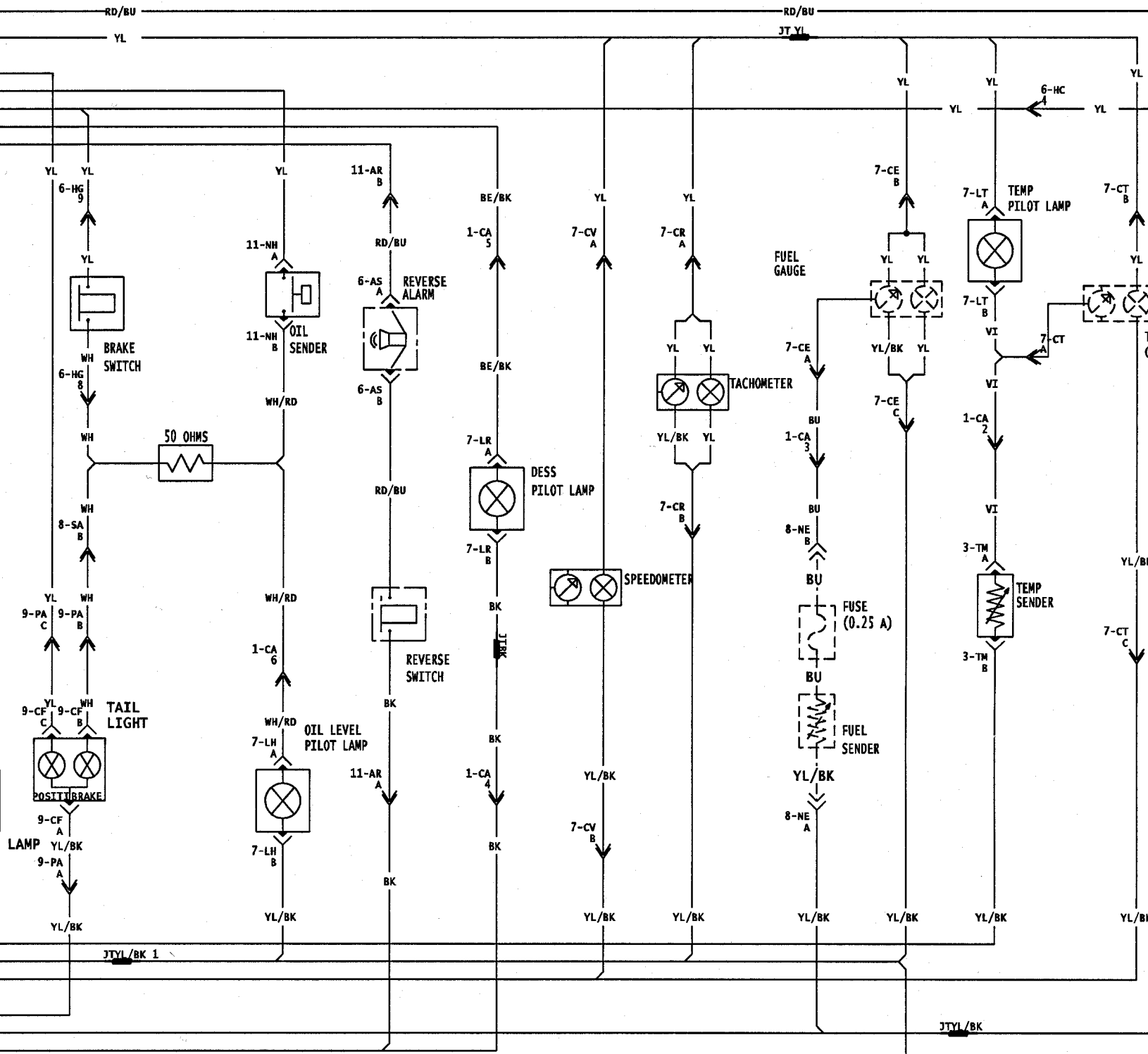
ANNEX 3

**MX Z 500/600/
700 STD/TRAIL**

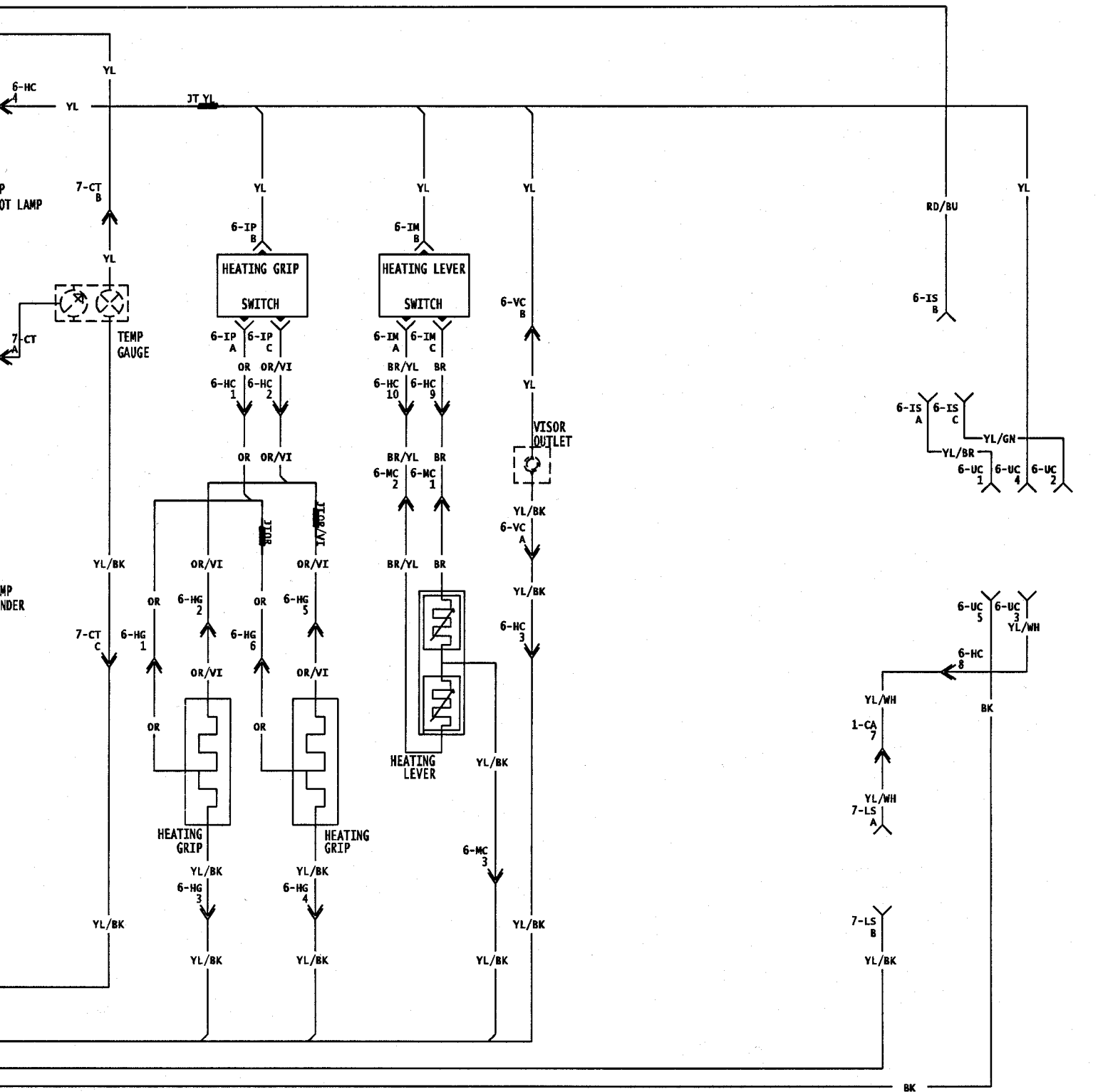


STARTER AND IGNITION SWITCHES

LIGHTING



INSTRUMENTS



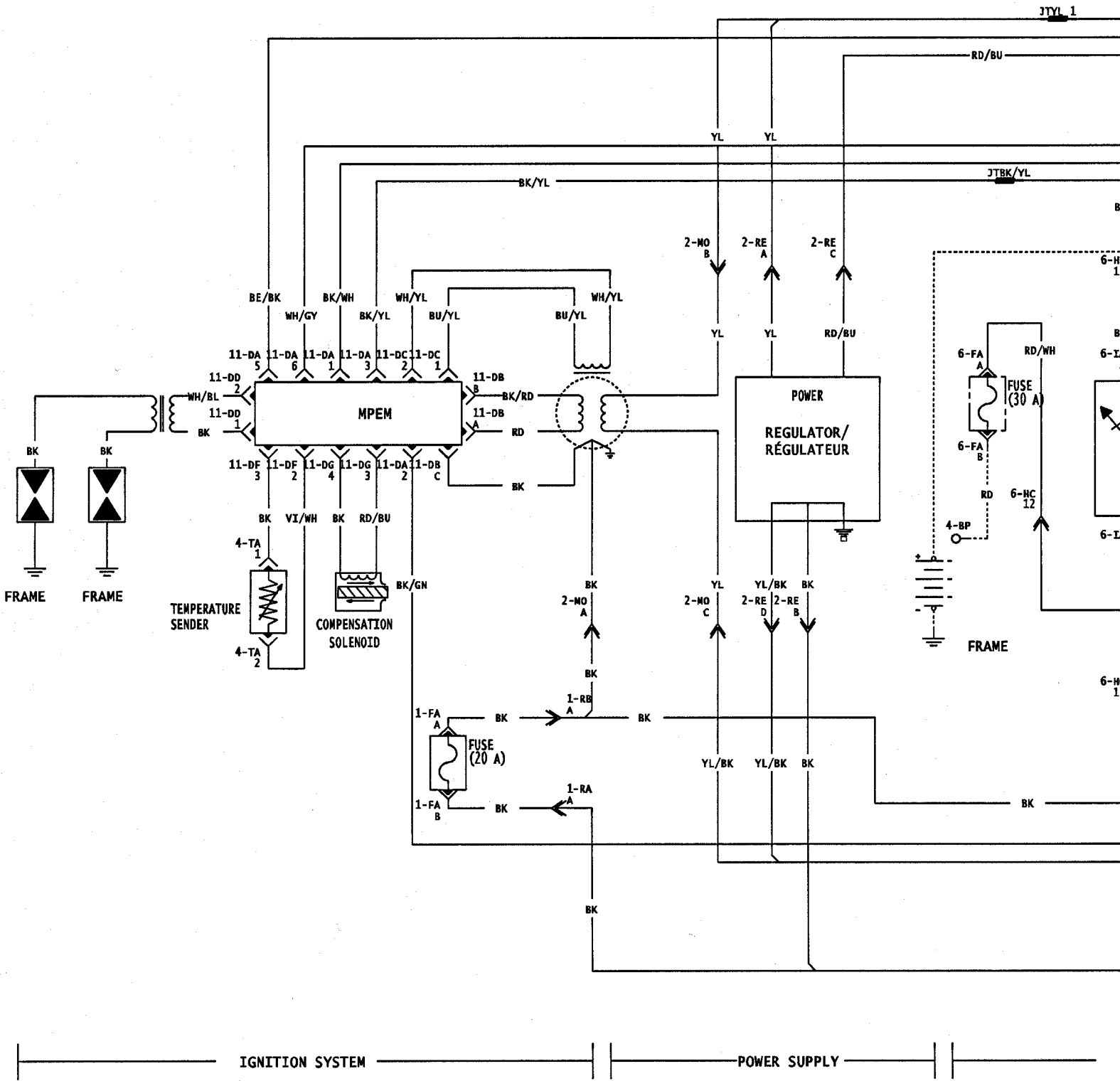
HEATING ELEMENTS

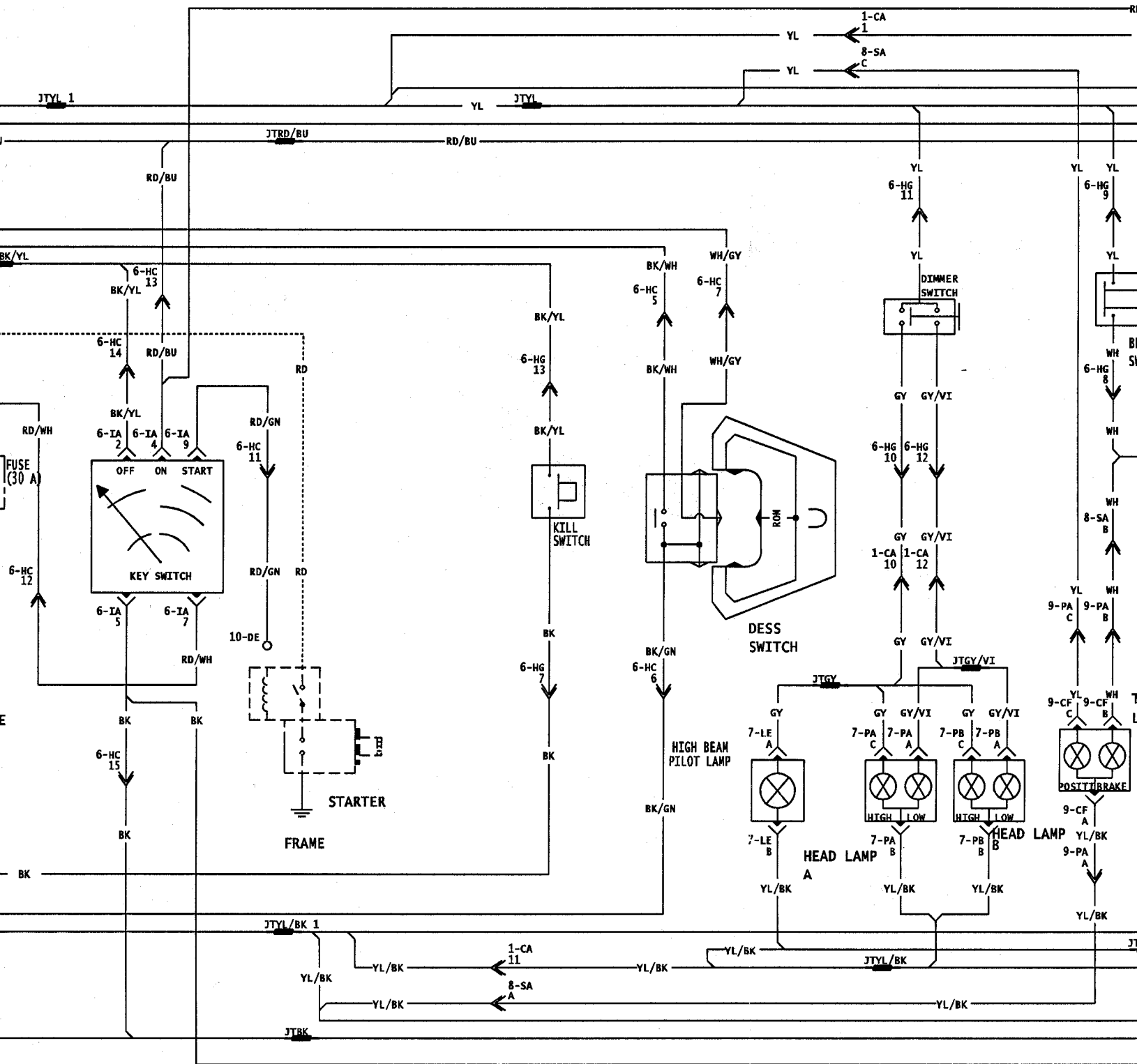
ELECTRIC SUSPENSION

**MX Z X/ADRENALINE/
600/700/800**

ANNEX 4

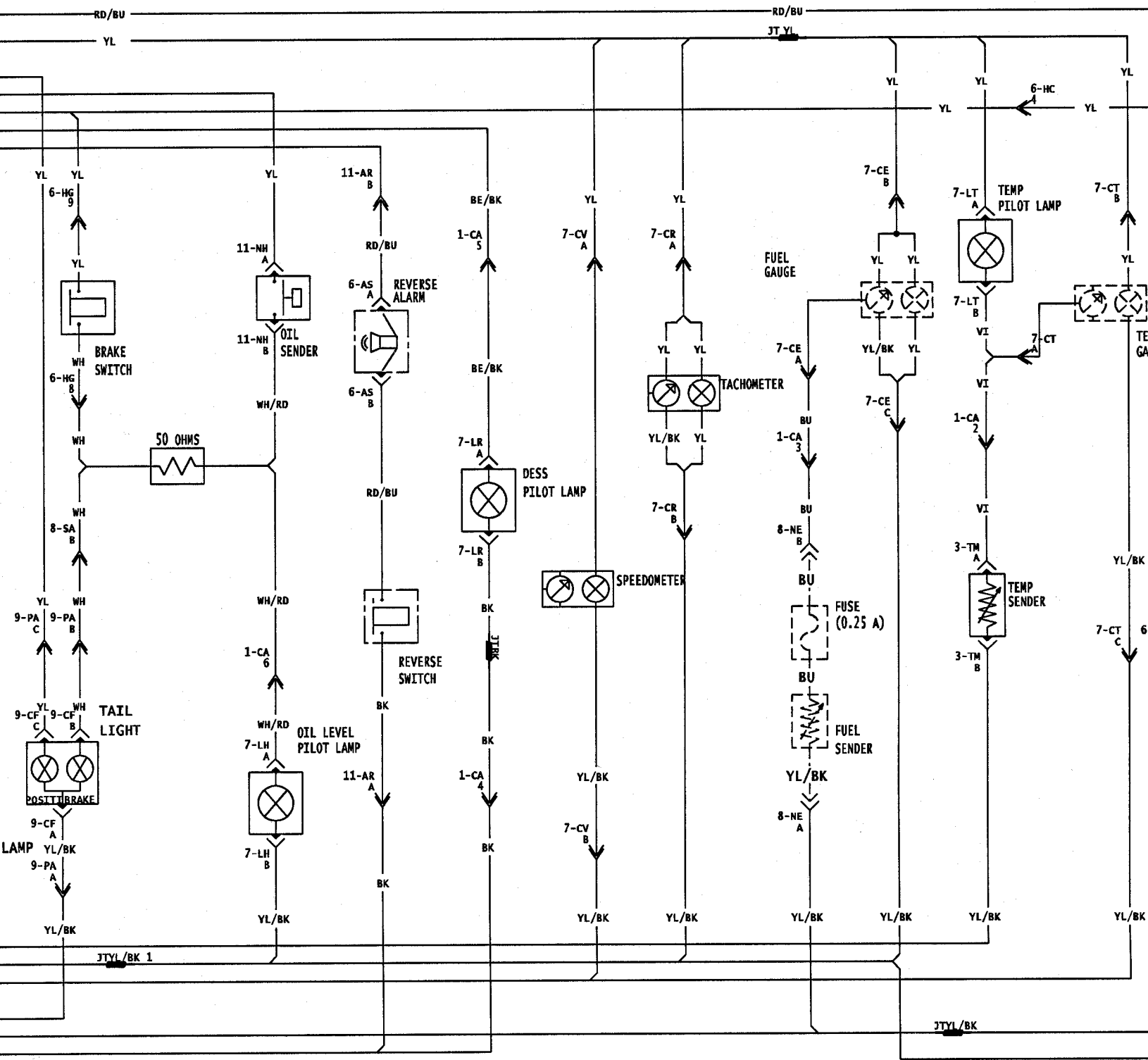
2001 MX Z X/ADRENALINE/600/700/800



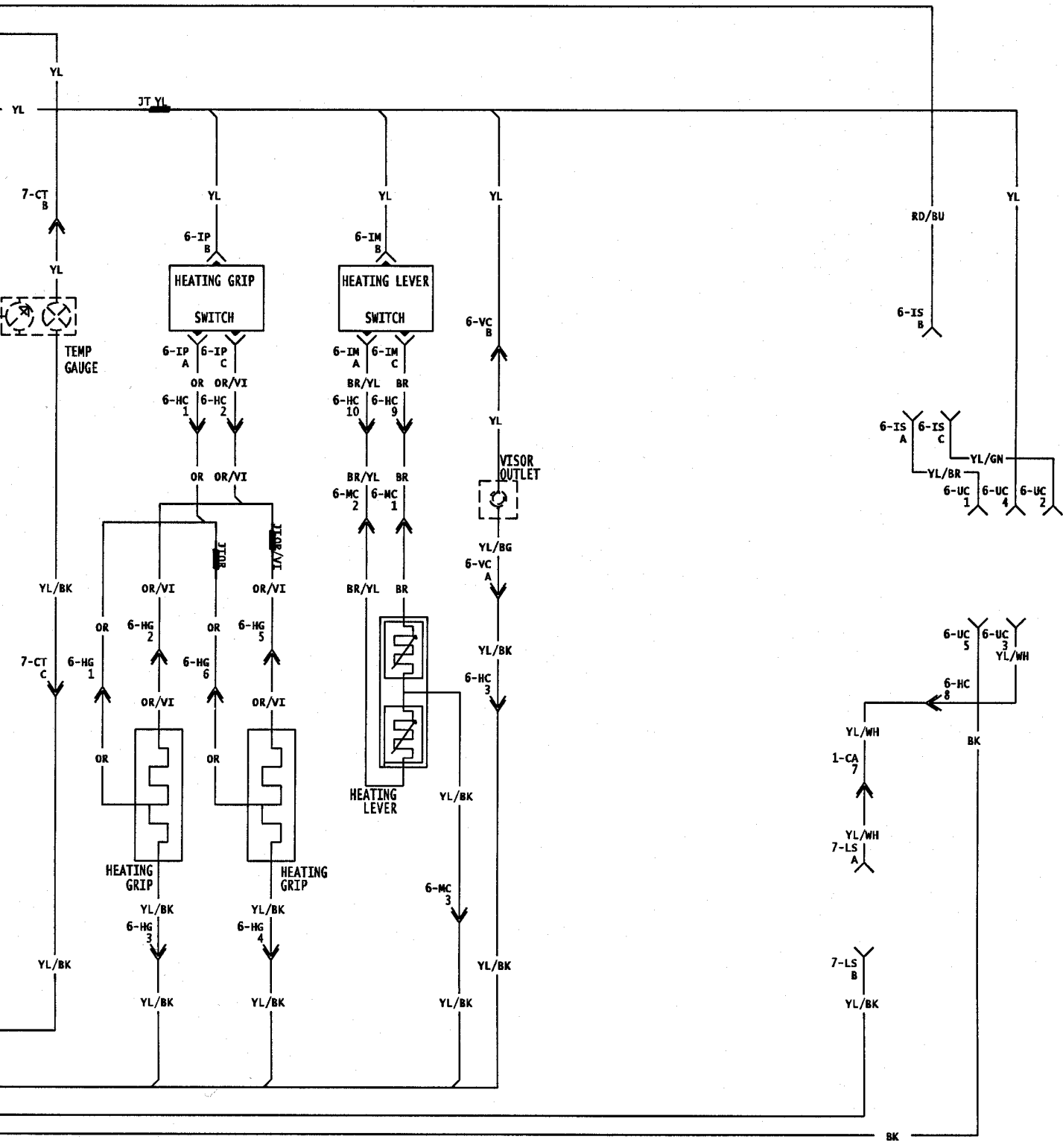


STARTER AND IGNITION SWITCHES

LIGHTING



INSTRUMENTS

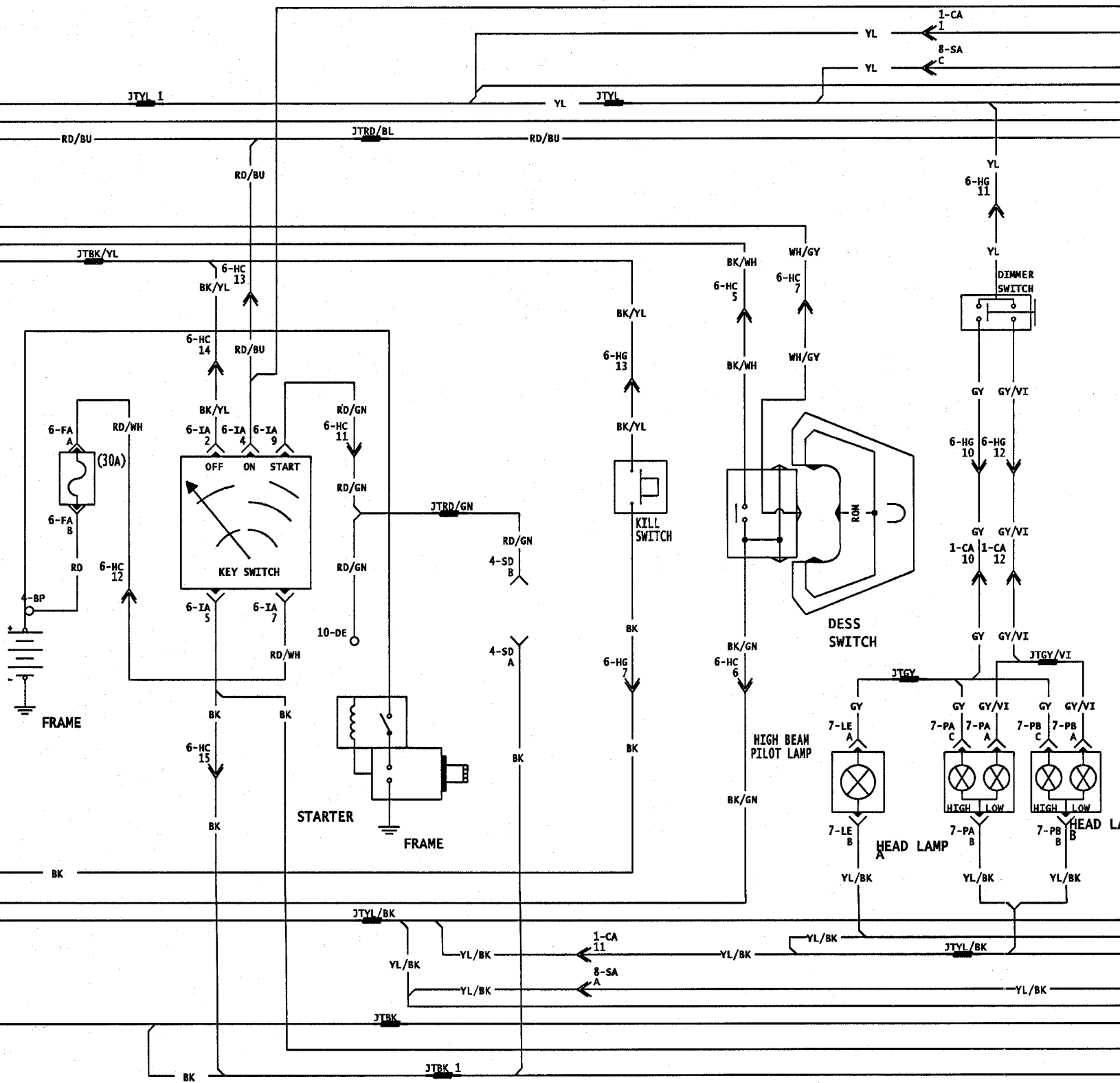


HEATING ELEMENTS

ELECTRIC SUSPENSION

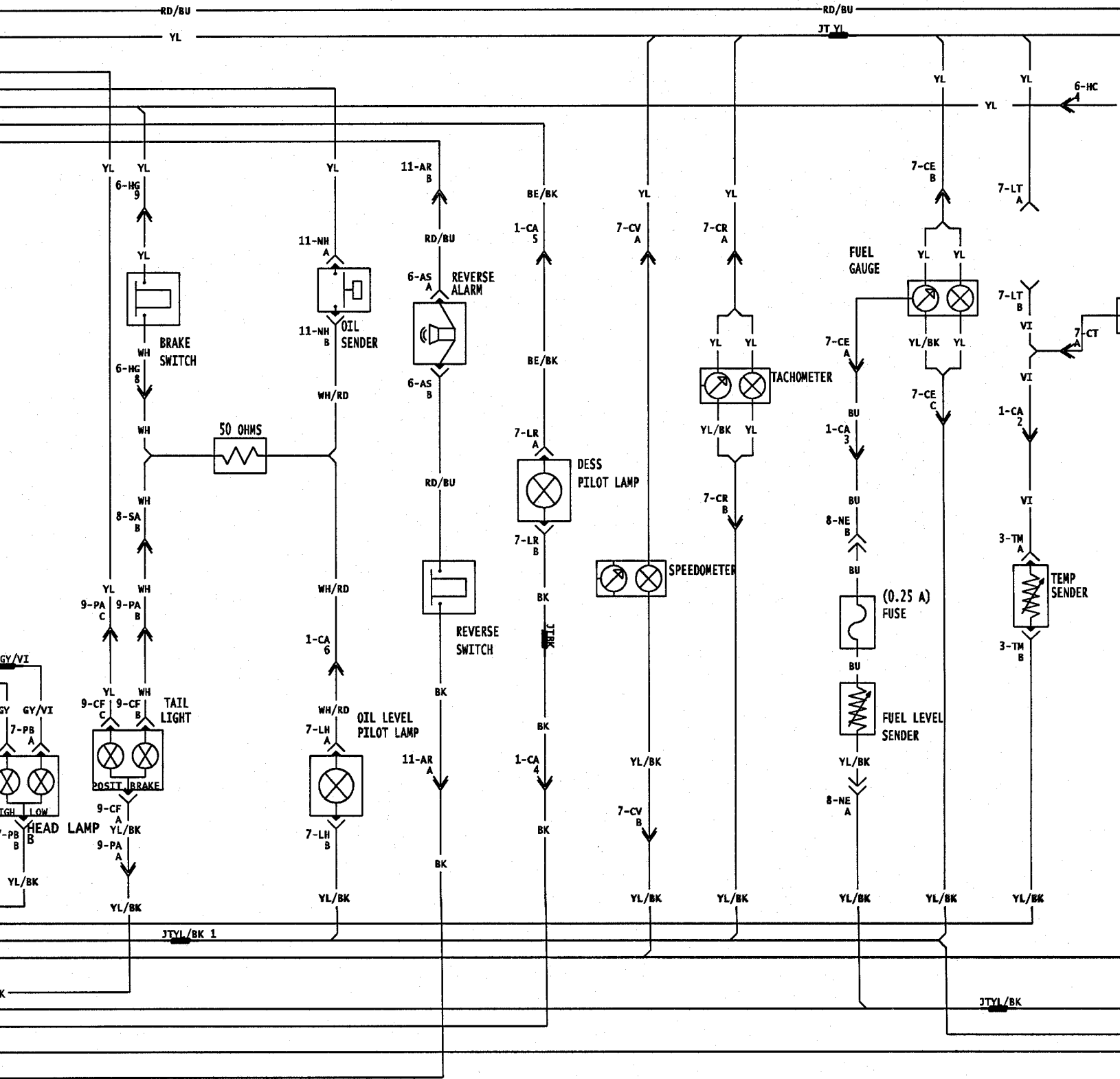
ANNEX 5

**FORMULA DLX/STD/
GS/GSE 600/700**

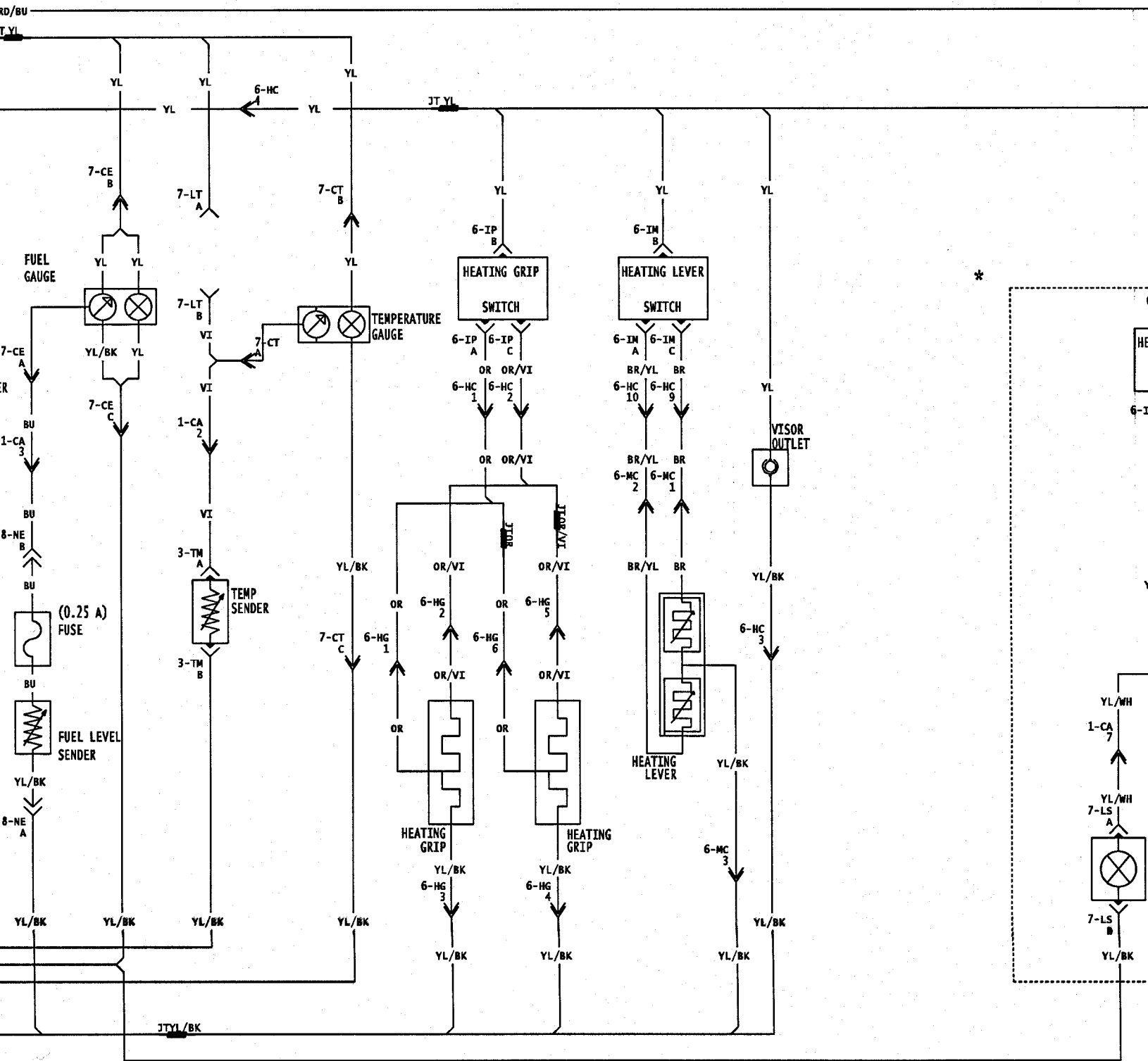


STARTER AND IGNITION SWITCHES

LIGHTING



INSTRUMENTS



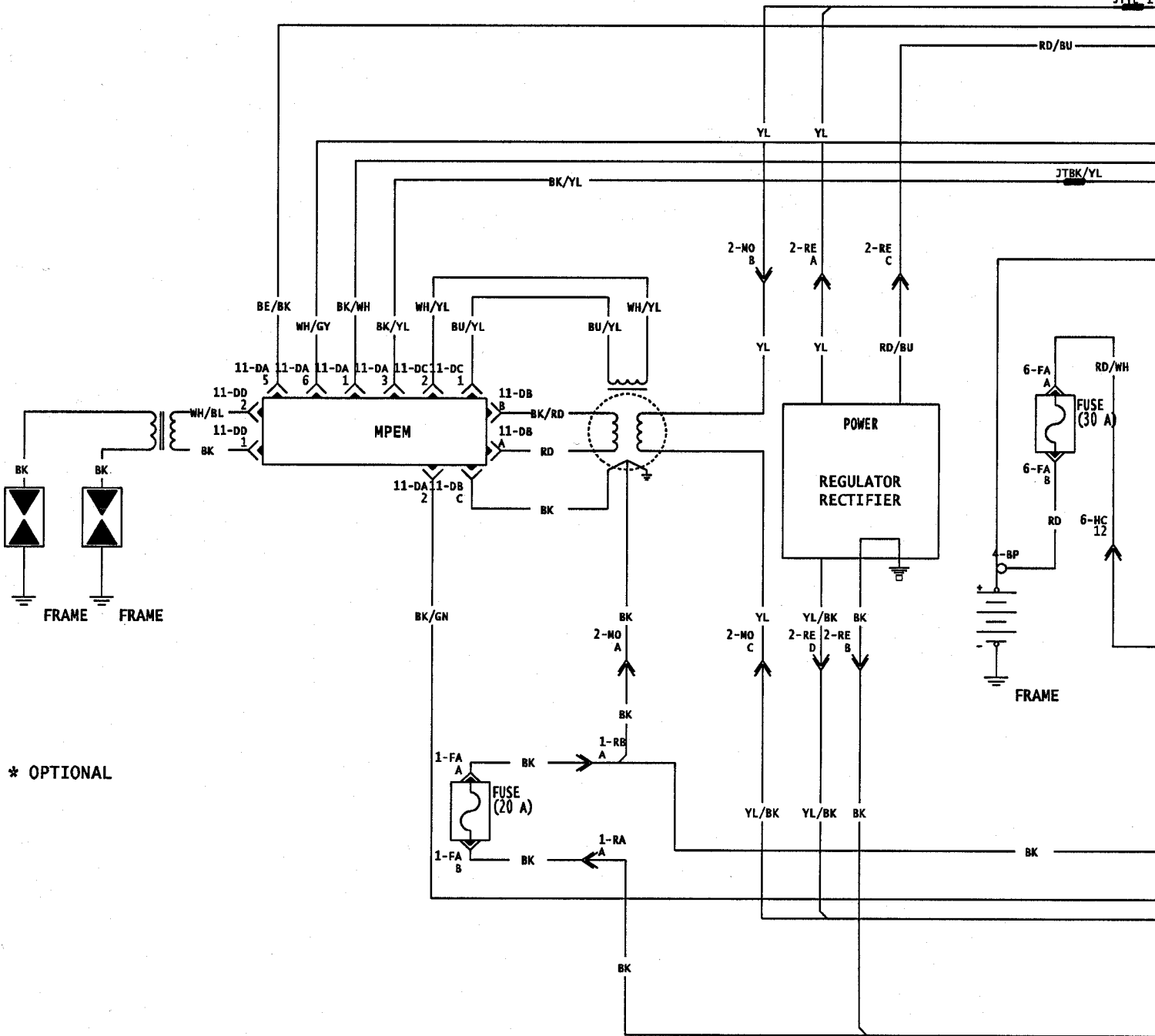
HEATING ELEMENTS

ANNEX 6

**FORMULA DLX STD 500/
600**

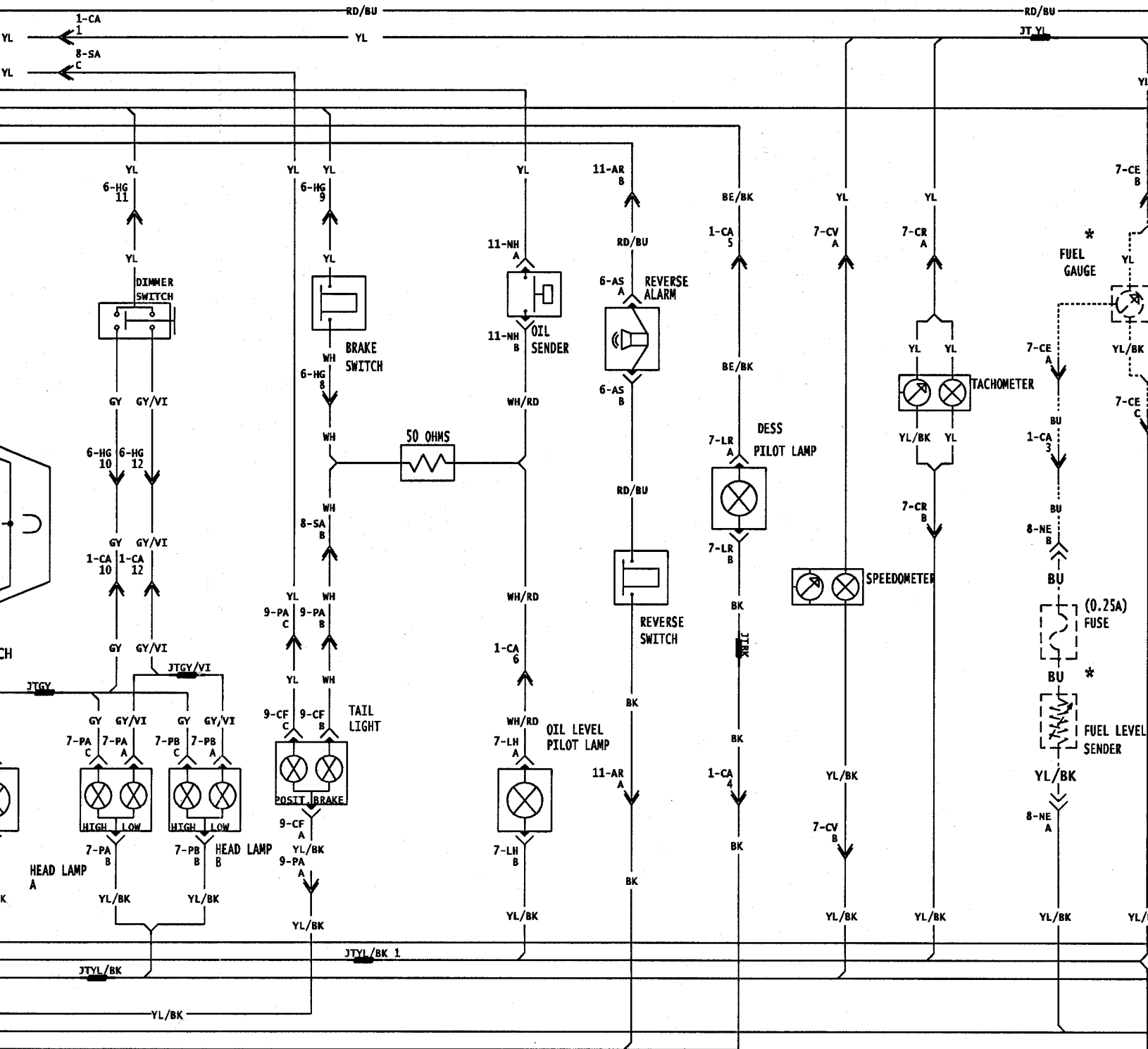
2001 FORMULA DLX/STD 500/600

JTYL 1



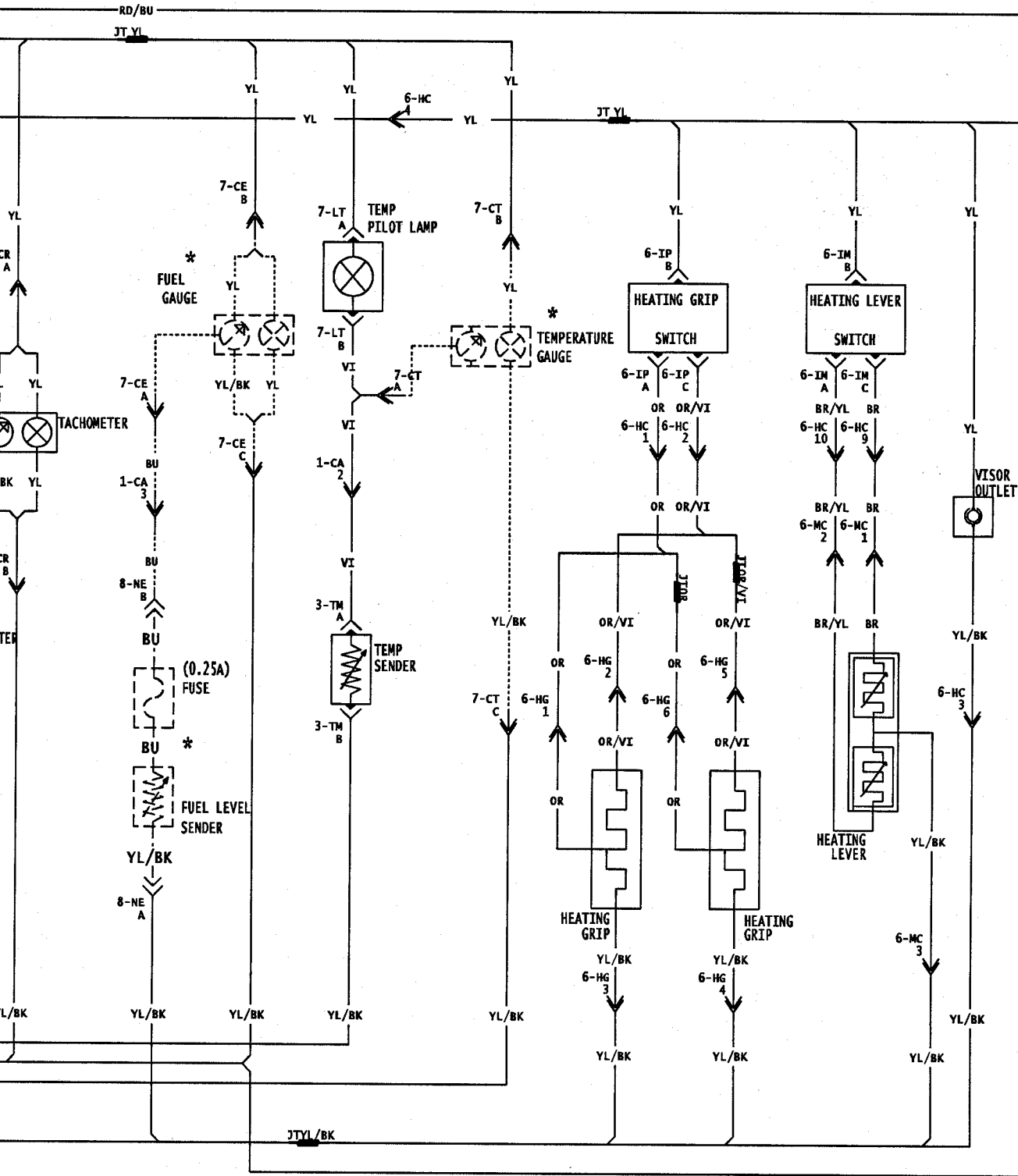
* OPTIONAL





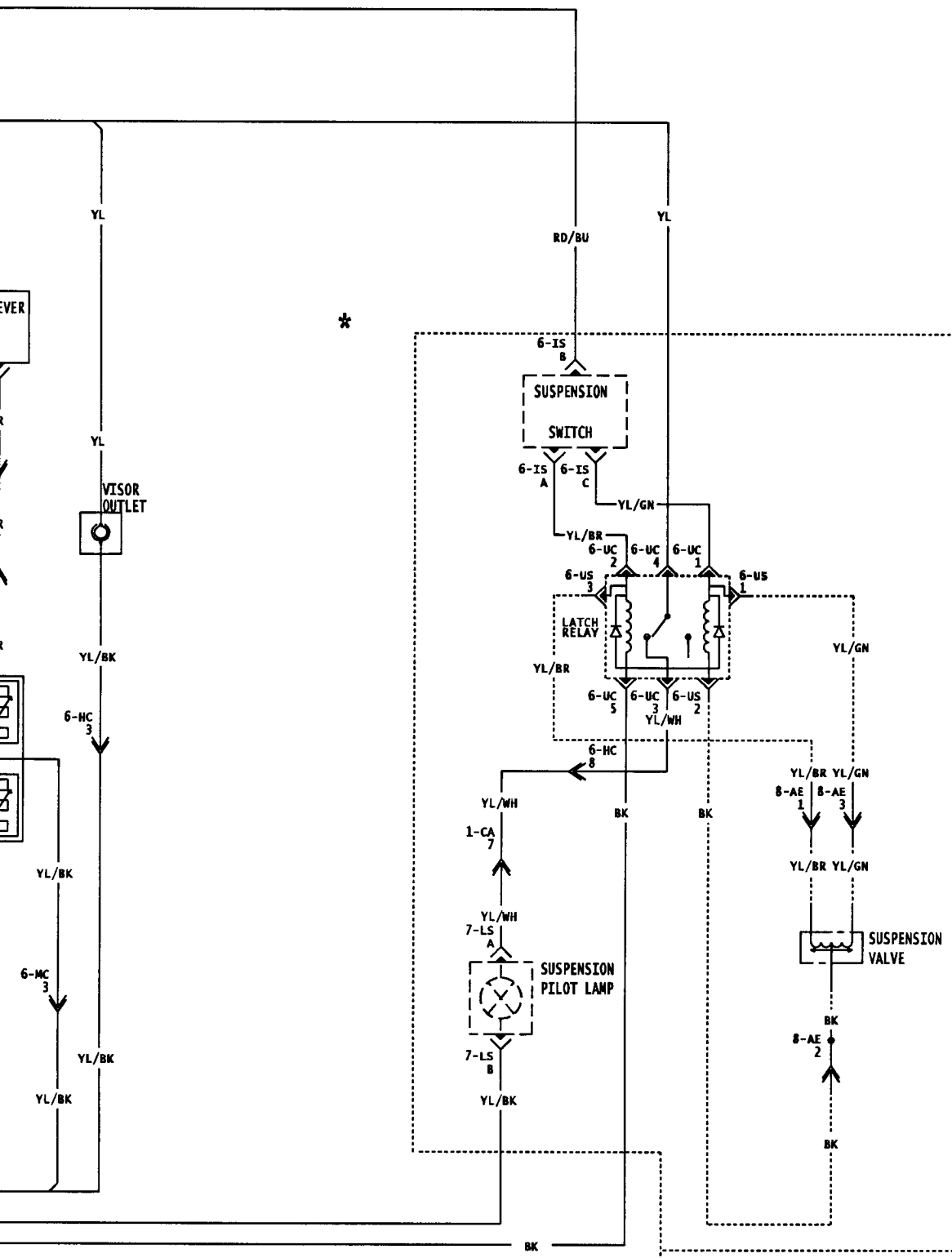
LIGHTING

INSTRUMENTS



INSTRUMENTS

HEATING ELEMENTS

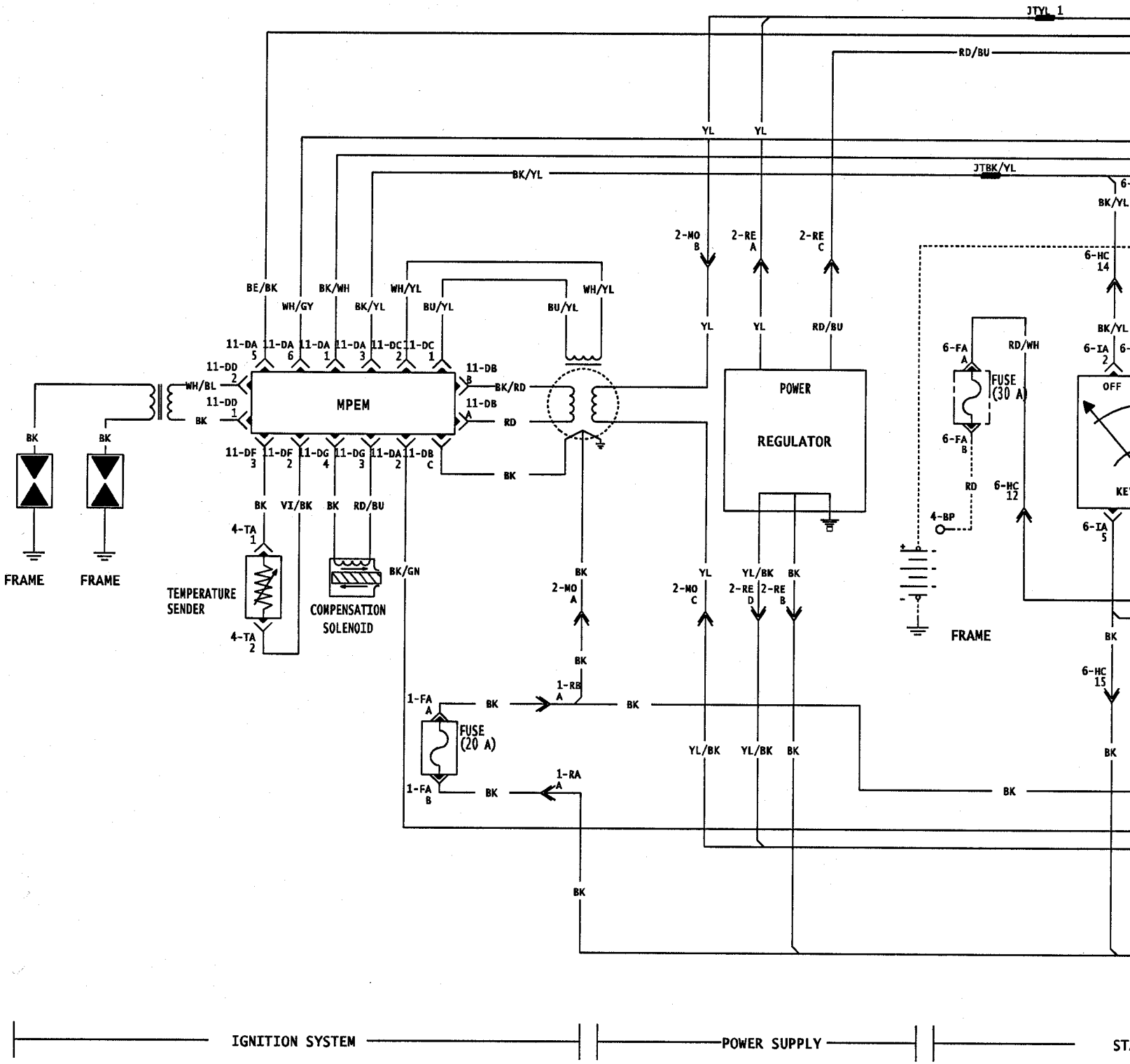


HEATING ELEMENTS

ELECTRIC SUSPENSION

ANNEX 7 SUMMIT 600/700/800

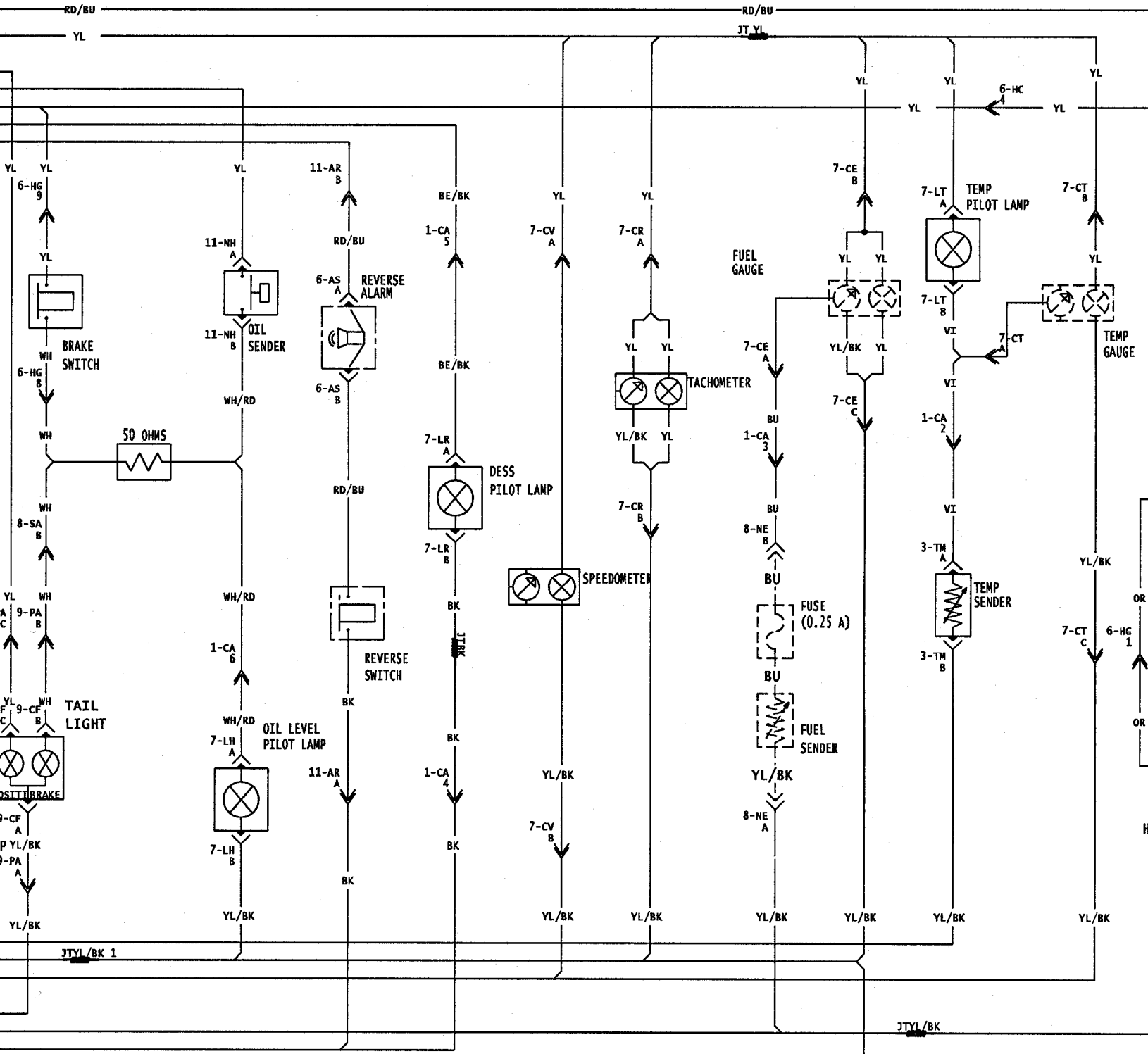
2001 SUMMIT 600/700/800



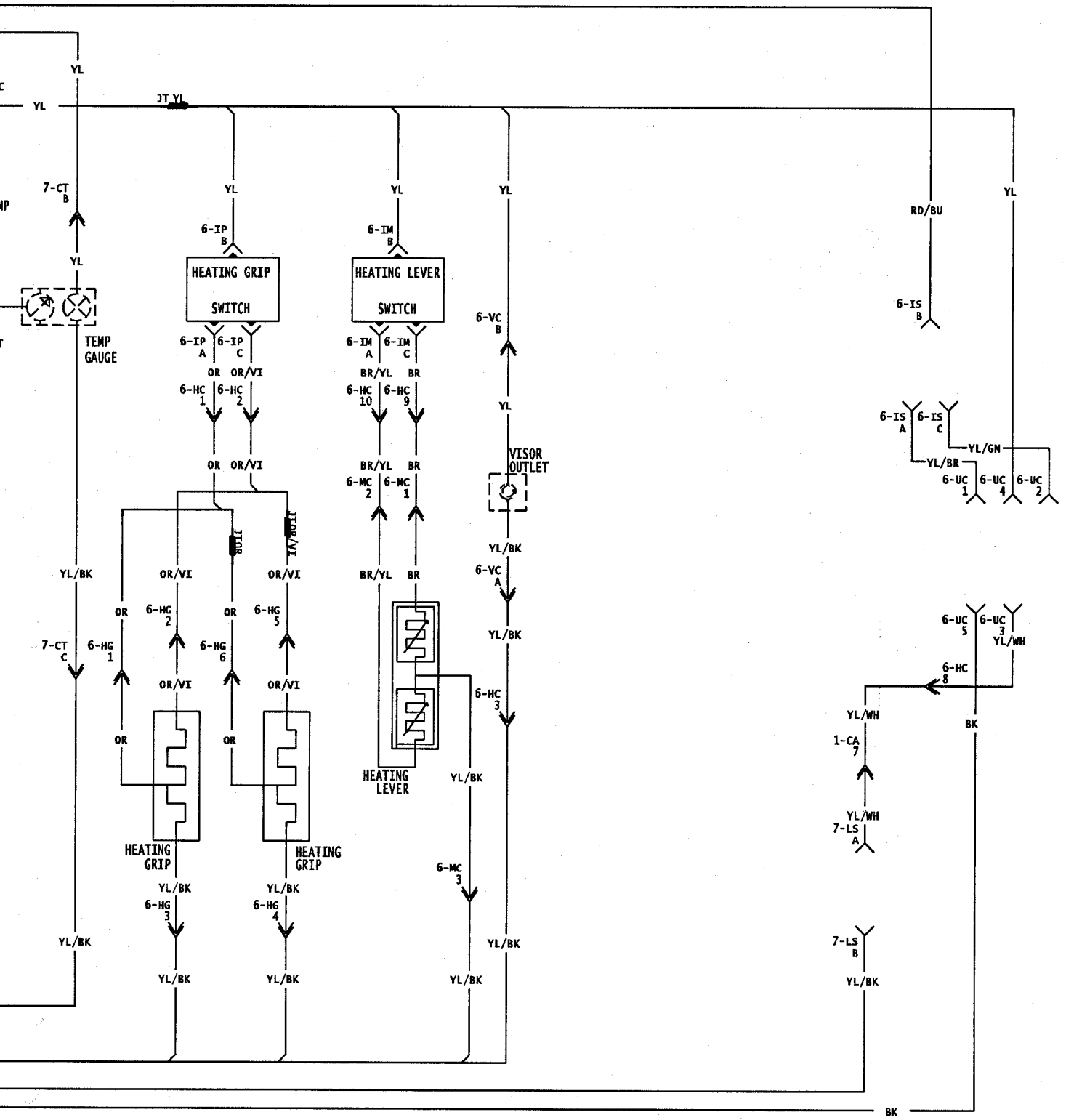
IGNITION SYSTEM



POWER SUPPLY

ST.



INSTRUMENTS



 HEATING ELEMENTS
  ELECTRIC SUSPENSION



ski-doo
ski-doo



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RECREATIONAL PRODUCTS

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