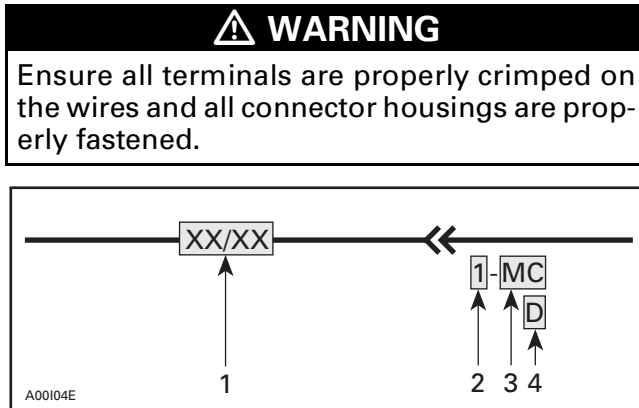


WIRING DIAGRAMS

MODELS	WIRING DIAGRAM PAGE	HEADLIGHT (watt)	TAILLIGHT (watt)	ELECTRICAL SYSTEM OUTPUT (watt)
Mach Z	Annex 1	60/55 hal.	8/27	290
Mach Z Tech Plus	Annex 2	60/55 hal.	8/27	290
GT SE	Annex 3	60/55 hal.	8/27	360

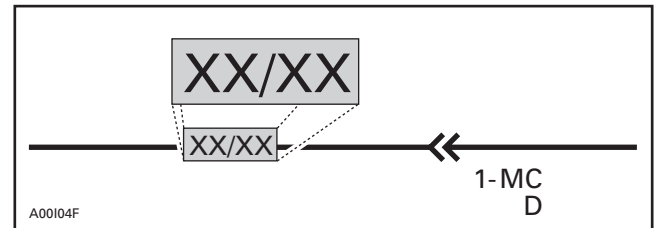
hal. = halogen

WIRING DIAGRAM LEGEND



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.

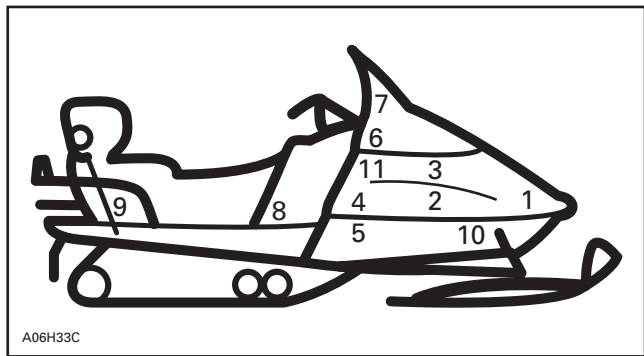
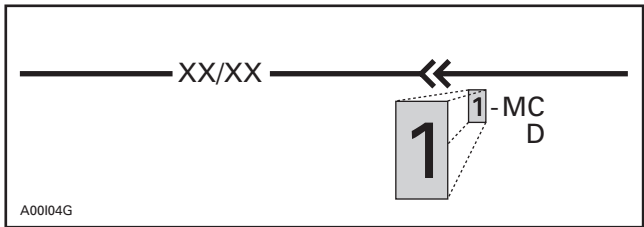
Example: YL/BK is a YELLOW wire with a BLACK stripe.

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

Section 11 **WIRING DIAGRAMS**

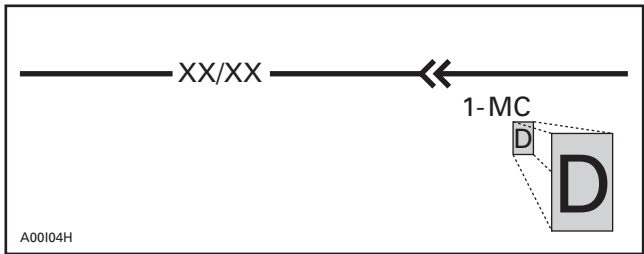
Subsection 01 (WIRING DIAGRAMS)

CONNECTOR HOUSING AREA



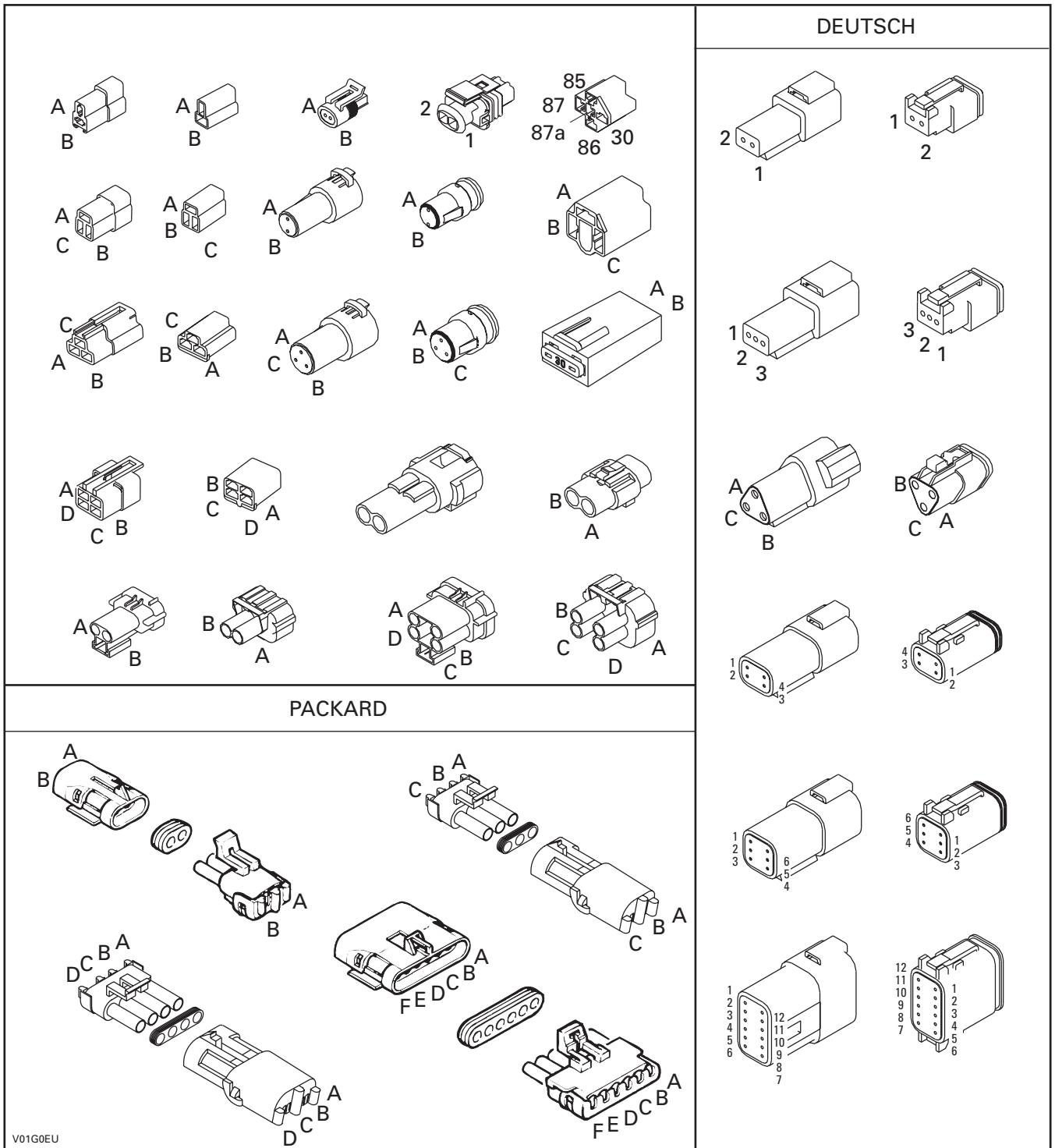
AREA	LOCATION
1	Front of engine compartment
2	Magneto
3	Carburetors
4	Near of intake silencer
5	Near driven pulley
6	Under console
7	Under hood
8	Near fuel tank
9	Rear of seat
10	Under engine
11	On injection oil reservoir

CONNECTOR LOCATION IN HOUSING



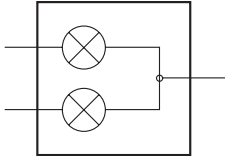


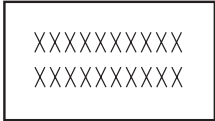
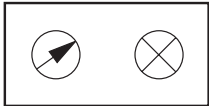
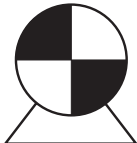
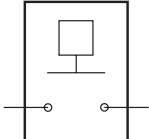
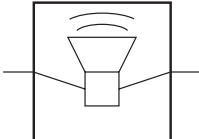

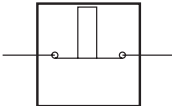
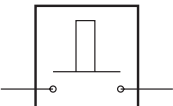





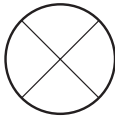
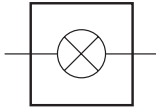
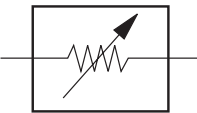
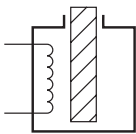

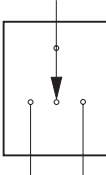
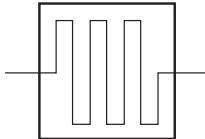
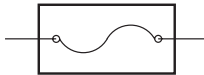


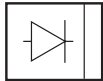

Section 11 WIRING DIAGRAMS

Subsection 01 (WIRING DIAGRAMS)



Section 11 WIRING DIAGRAMS
Subsection 01 (WIRING DIAGRAMS)

SYMBOLS DESCRIPTION

Beam and tail light 	Female terminal 	Male terminal 	Electronic module 
Meter 	Electric motor 	Low level sensor 	Buzzer 
Ignition coil 	Normally close switch 	Normally open switch 	Male terminal on instrument 
Engine ground 	Frame ground 	Spark plug 	Meter movement 
Bulb 	Pilot 	Analogue sensor 	Solenoid valve 
Magneto (Delta) 	3 position switch 	Heating element 	Fuse 
Trigger coil 	Battery 	Diode 	Partially illustrated component 

A00E9PS

UNPLUGGING CONNECTORS

Always unplug connectors by pulling on housing not on wire.

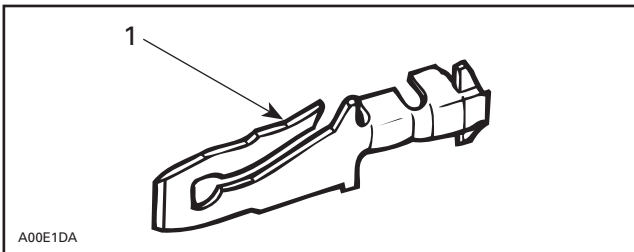


TYPICAL

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.

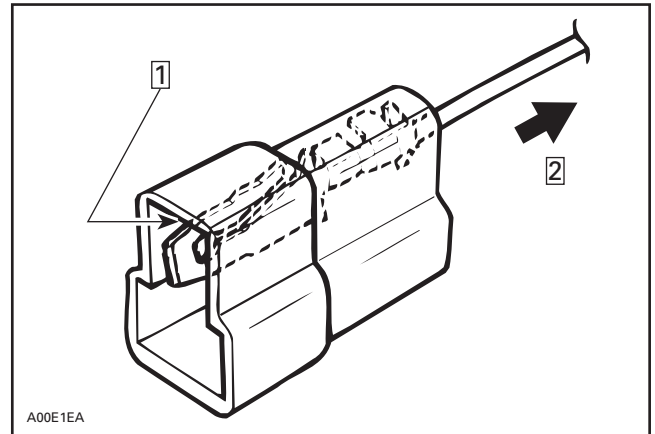


TAB CONNECTOR

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.



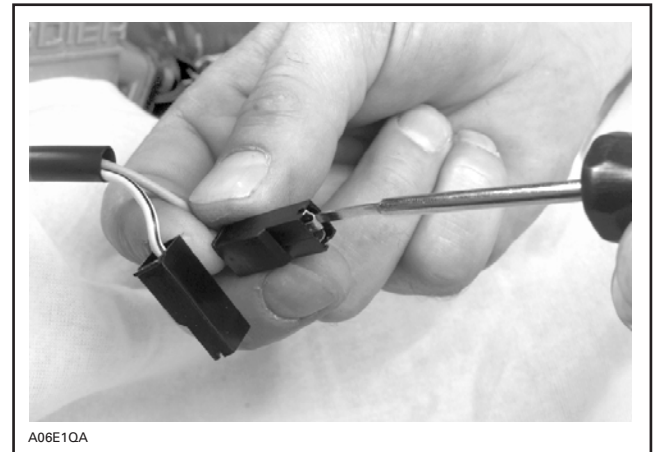
Step 1: Insert screwdriver here

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.



Section 11 WIRING DIAGRAMS

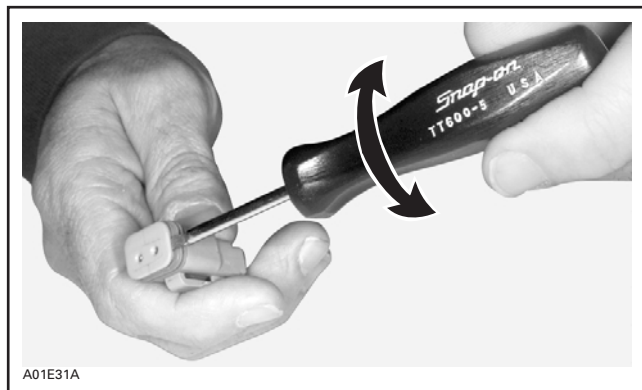
Subsection 01 (WIRING DIAGRAMS)

Waterproof Connector Housing

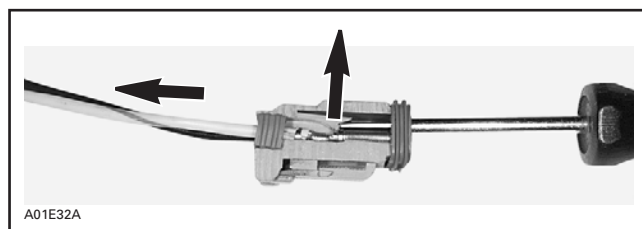
Female Connector Housing

To remove:

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



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

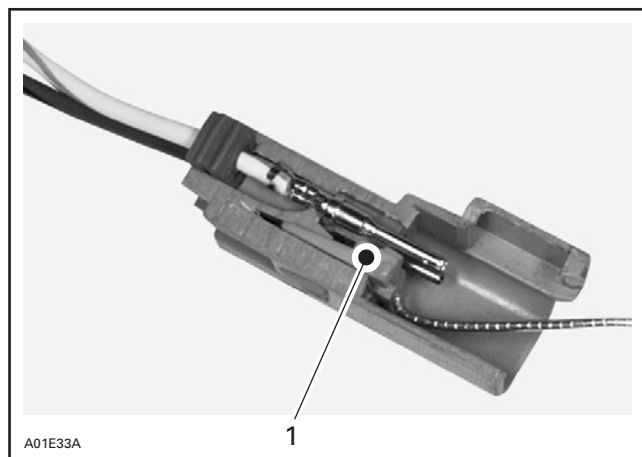


FEMALE CONNECTOR HOUSING — CUT-AWAY

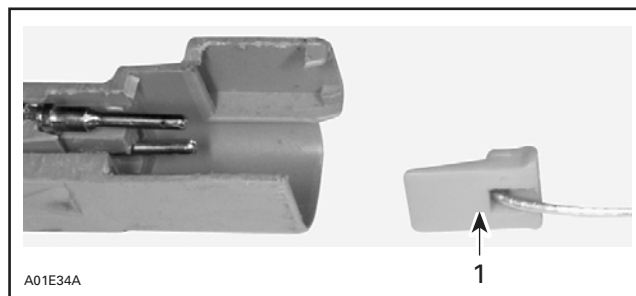
Male Connector Housing

To remove:

- Using a small hook, pull out the lock.

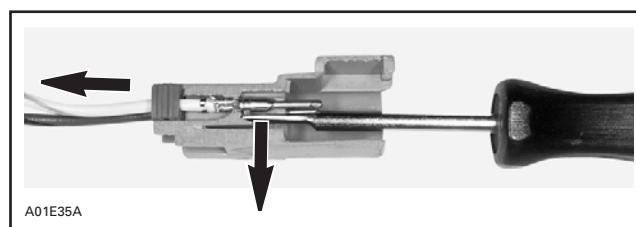


1. Lock



1. Lock

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



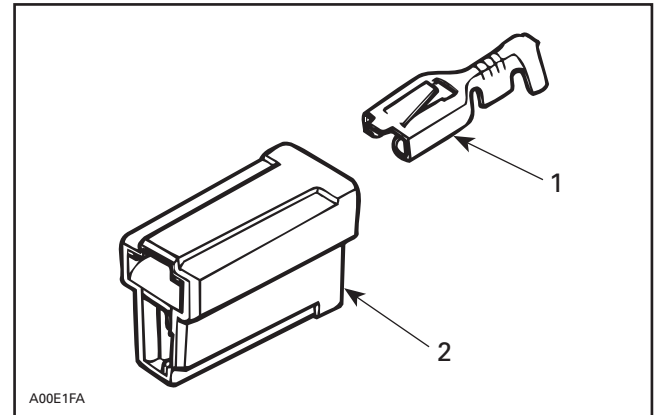
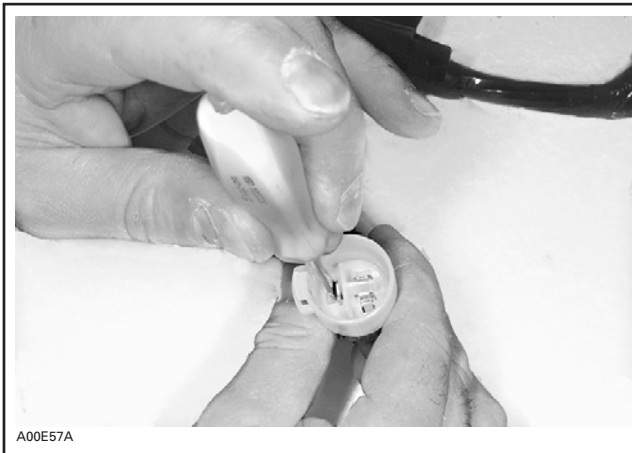
MALE CONNECTOR HOUSING — CUT-AWAY

Round Connector Housing

Female Connector Housing



Male Connector Housing



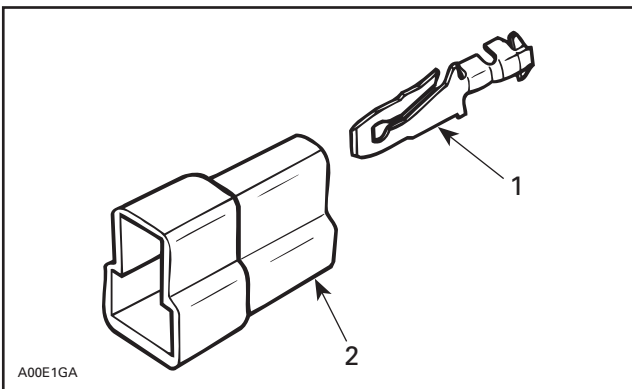
TYPICAL

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.

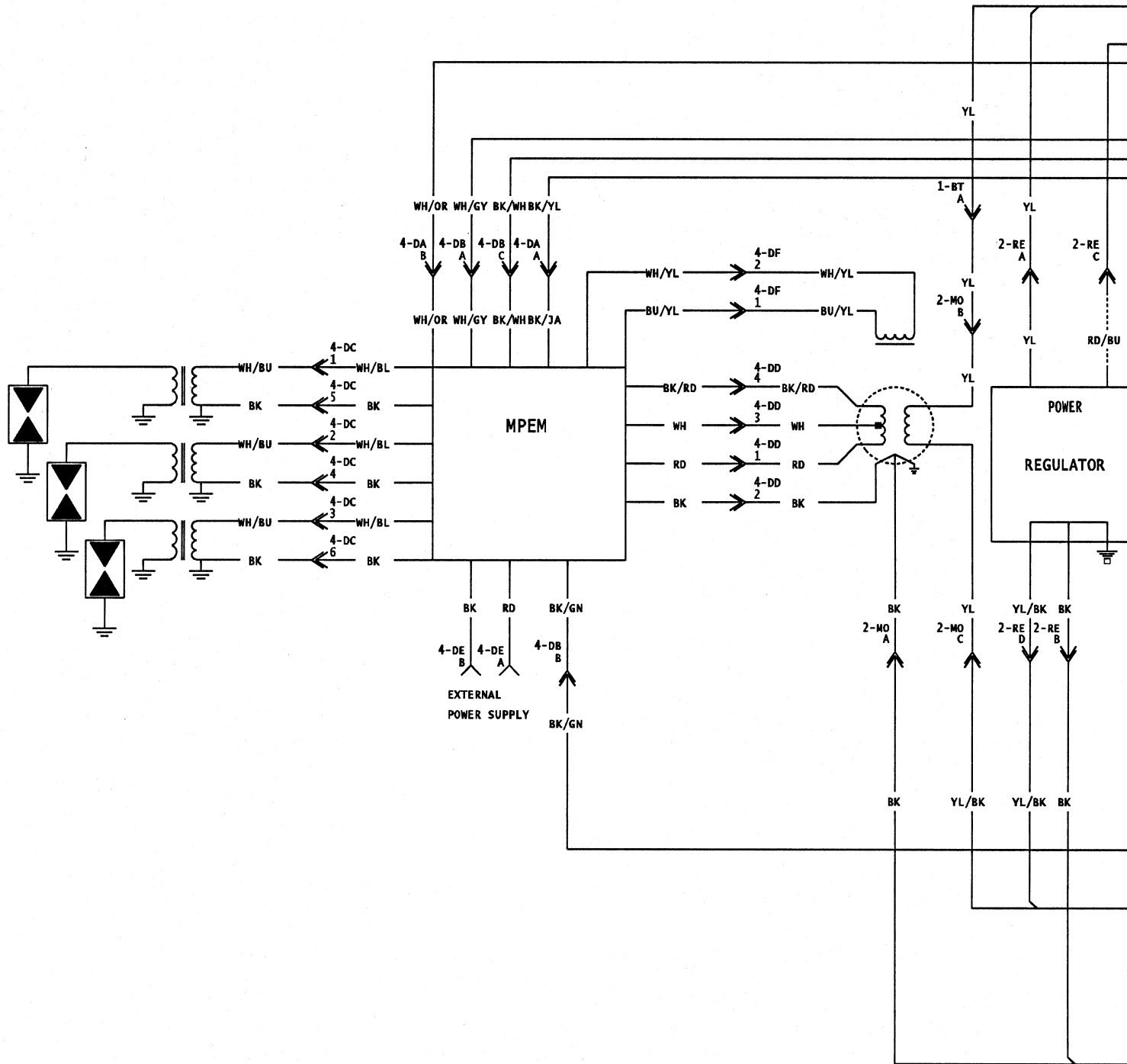
⚠ WARNING

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

ANNEX 1

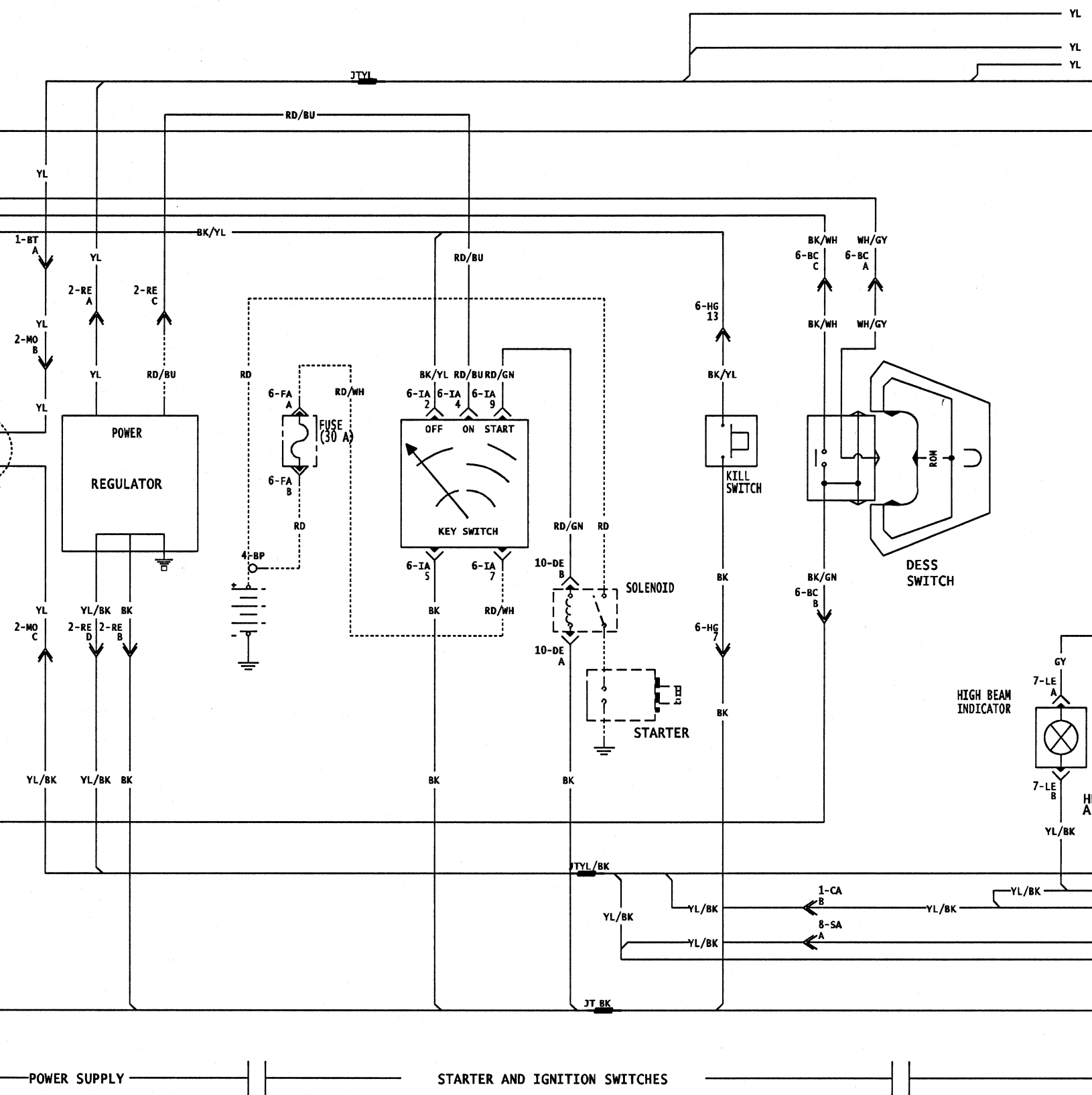
MACH 2

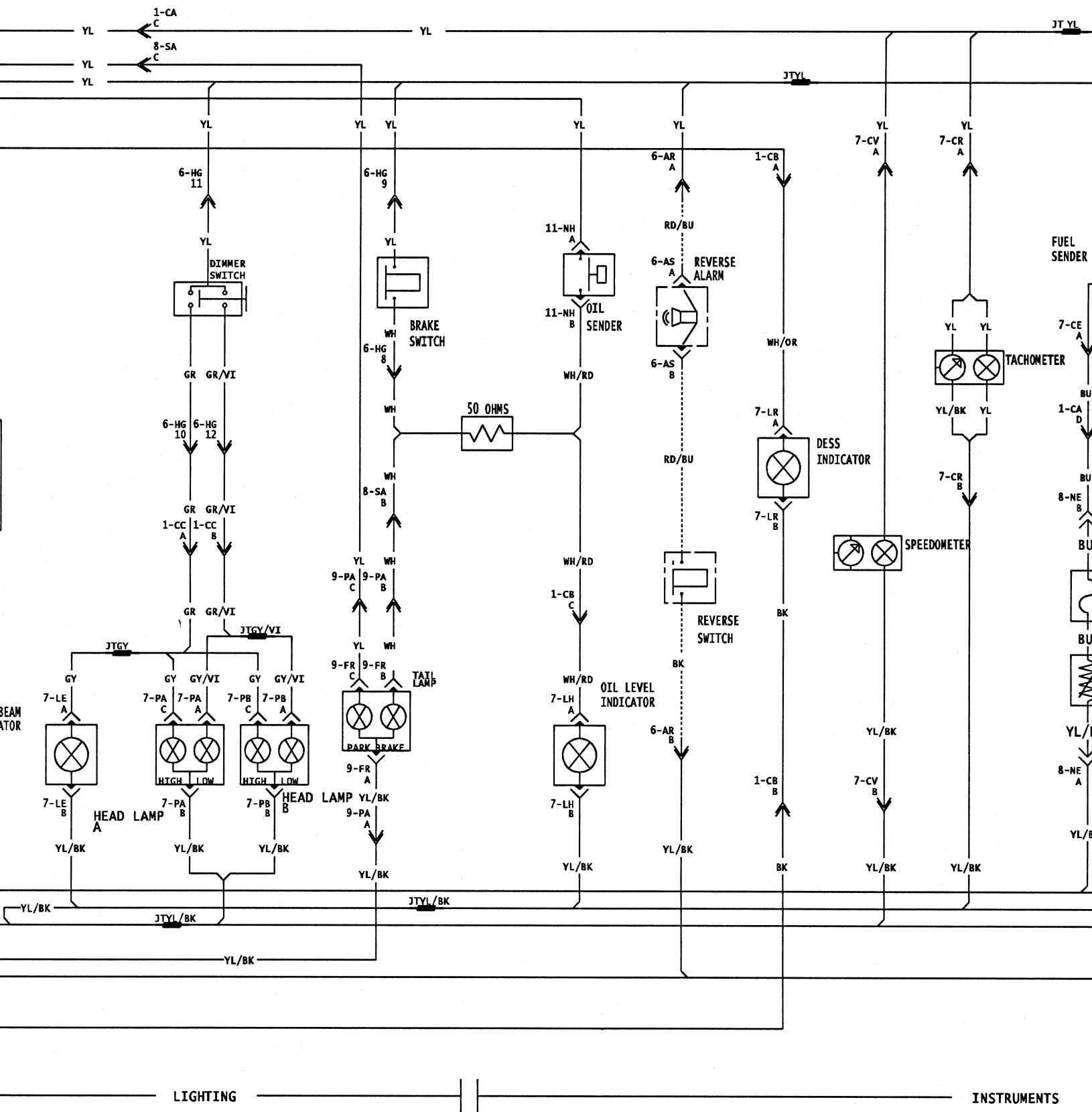
2001 MACH Z

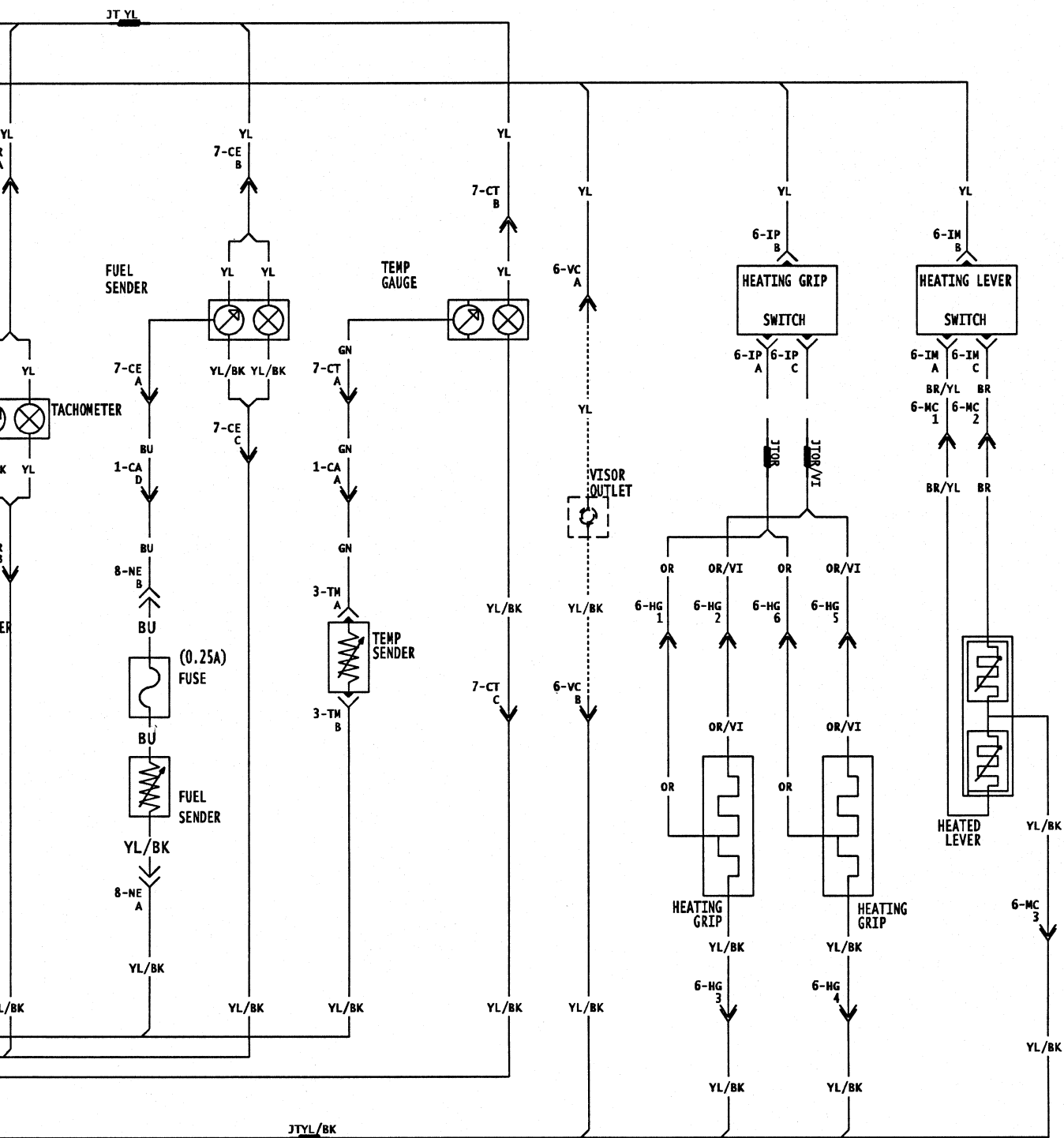


IGNITION SYSTEM

POWER SUPPLY



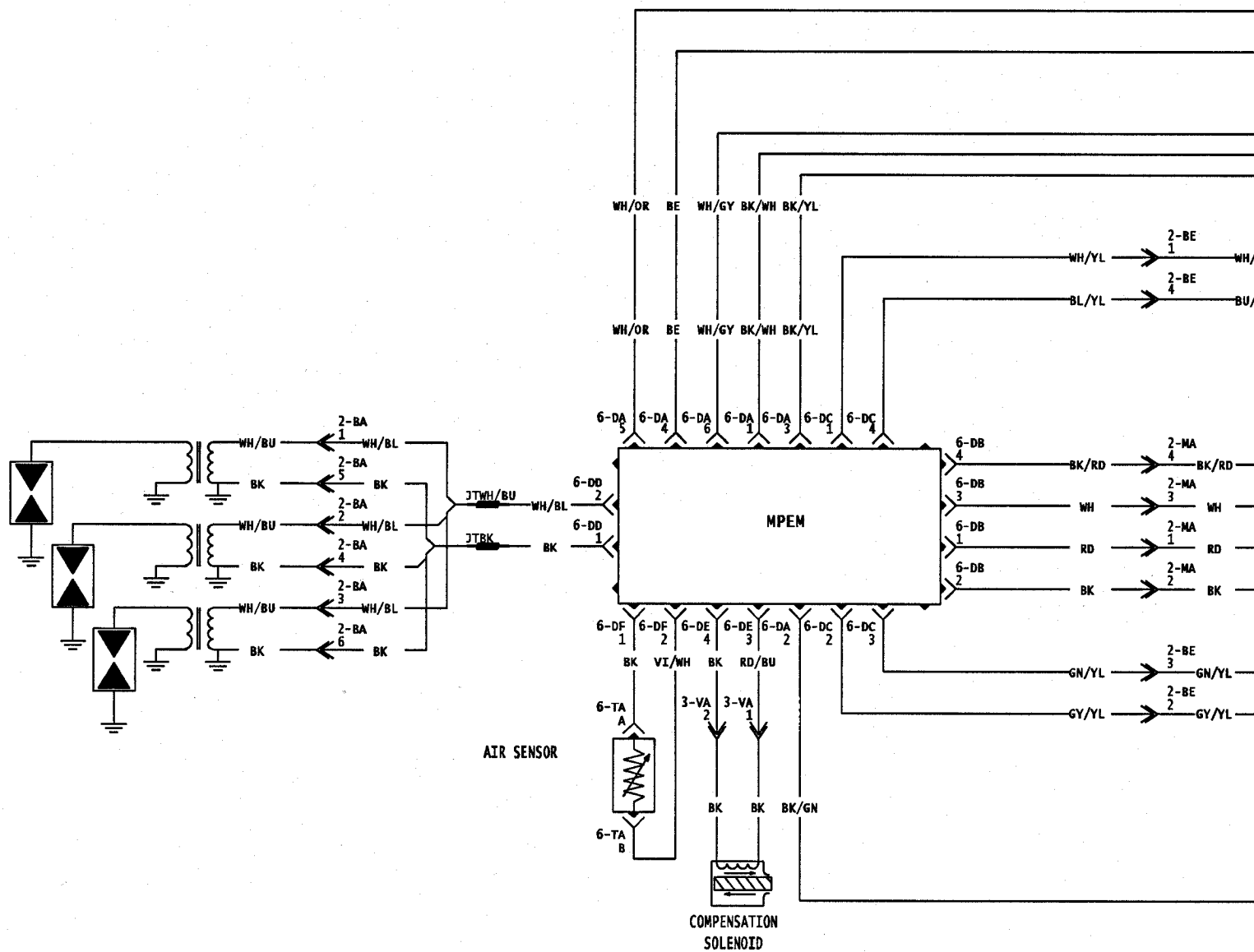




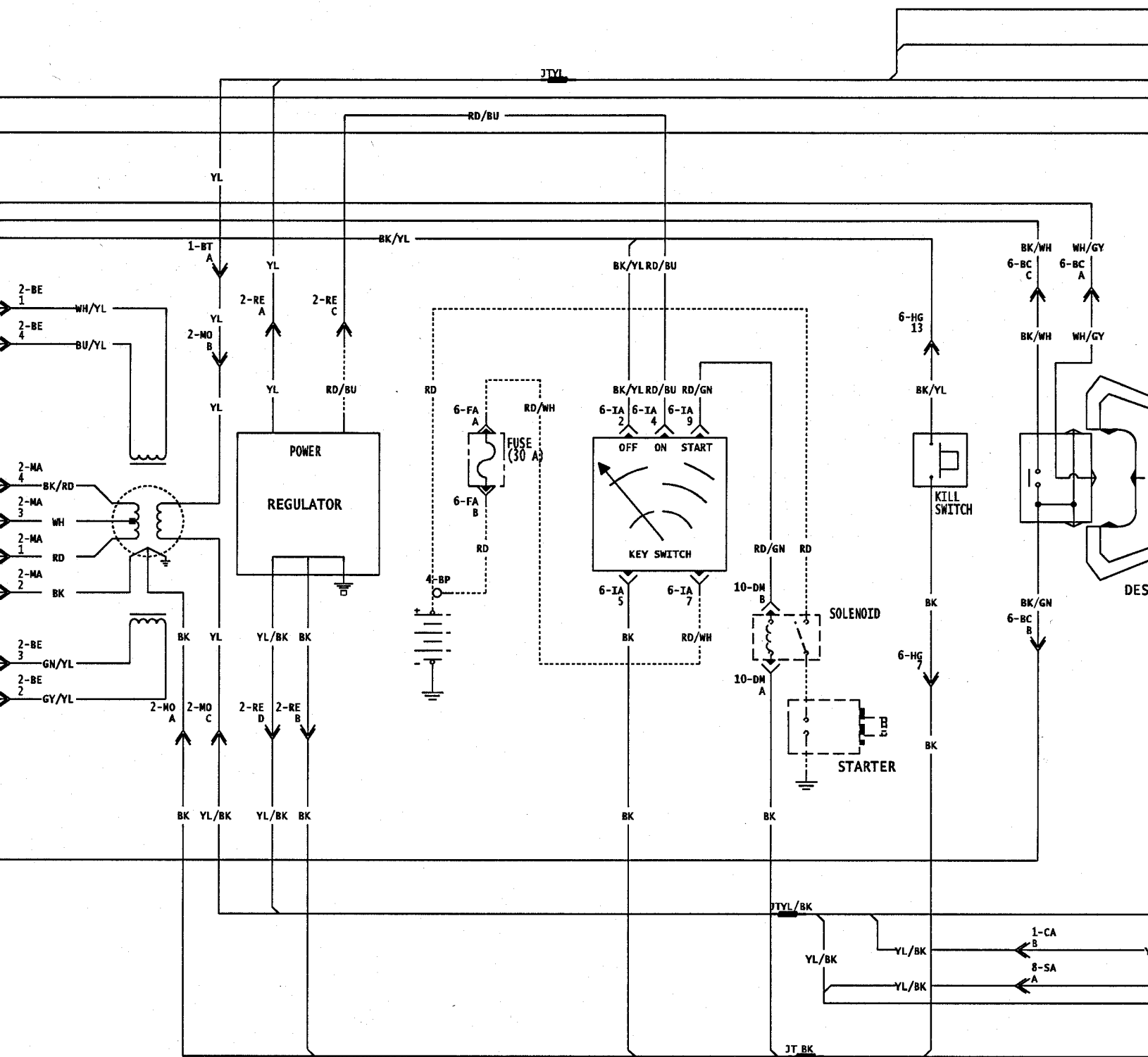
INSTRUMENTS

HEATING ELEMENTS

2001 MACH Z TECH PLUS

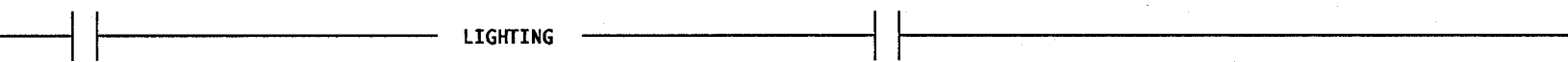


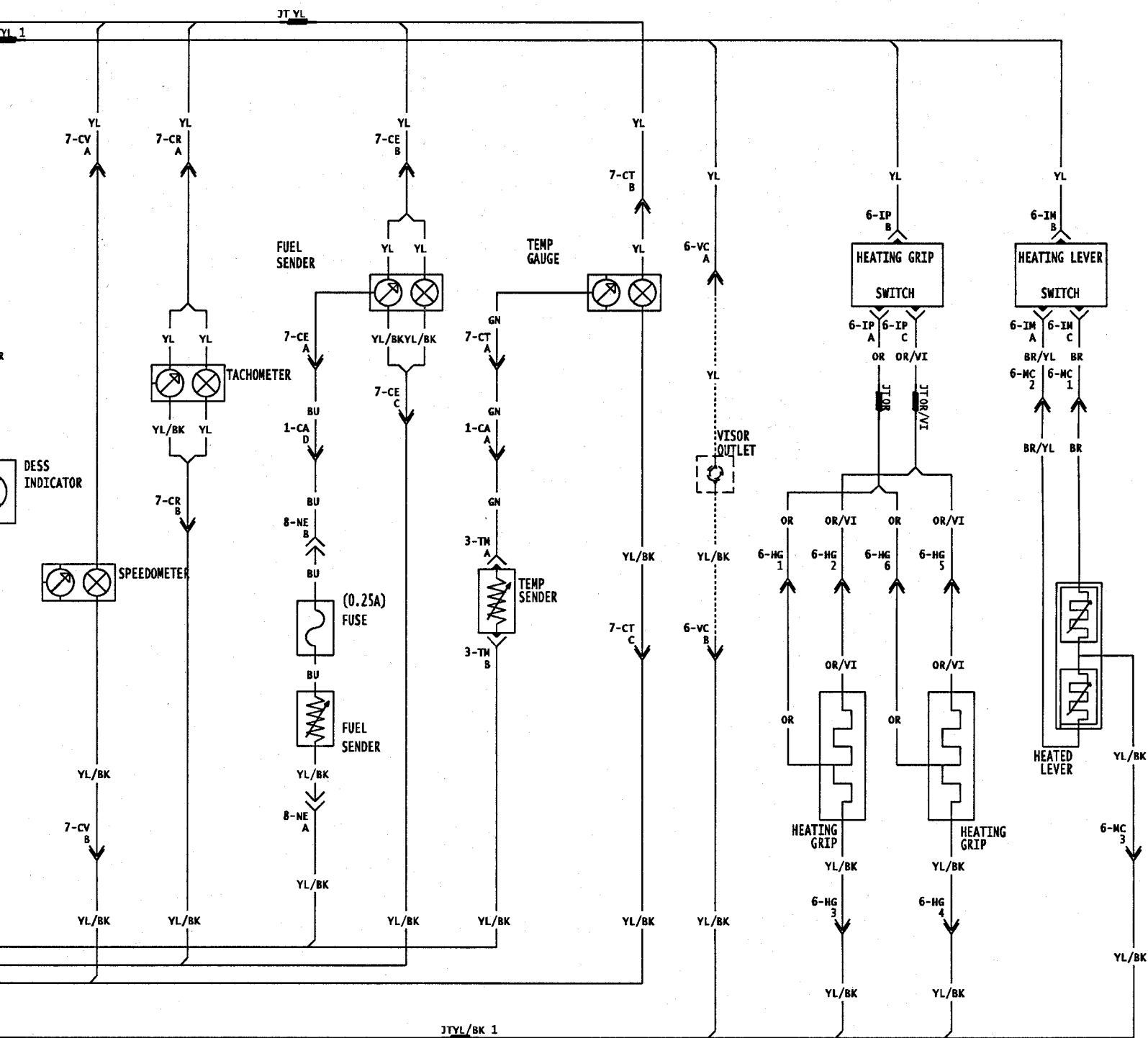
IGNITION SYSTEM



POWER SUPPLY

STARTER AND IGNITION SWITCHES





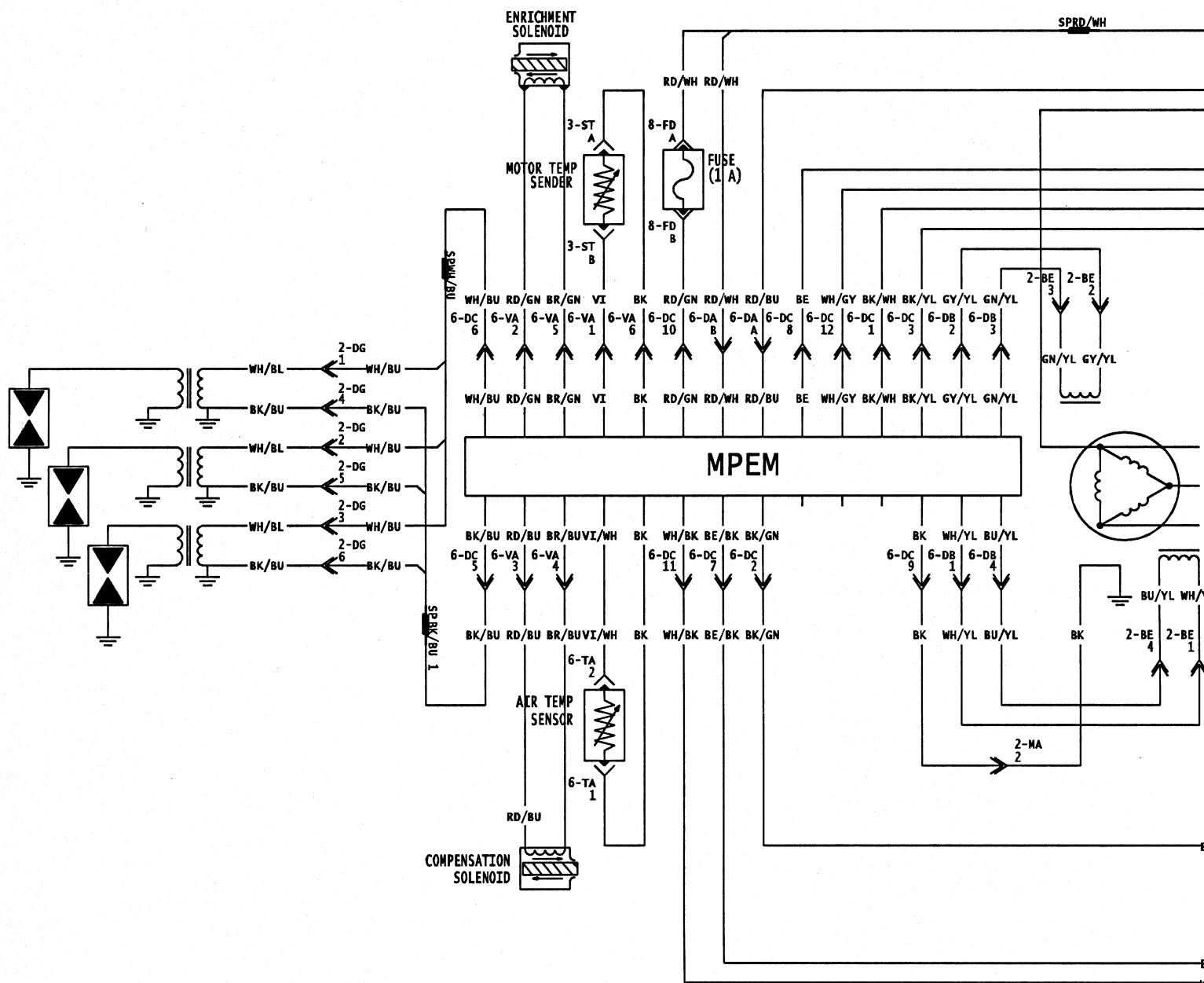
INSTRUMENTS

HEATING ELEMENTS

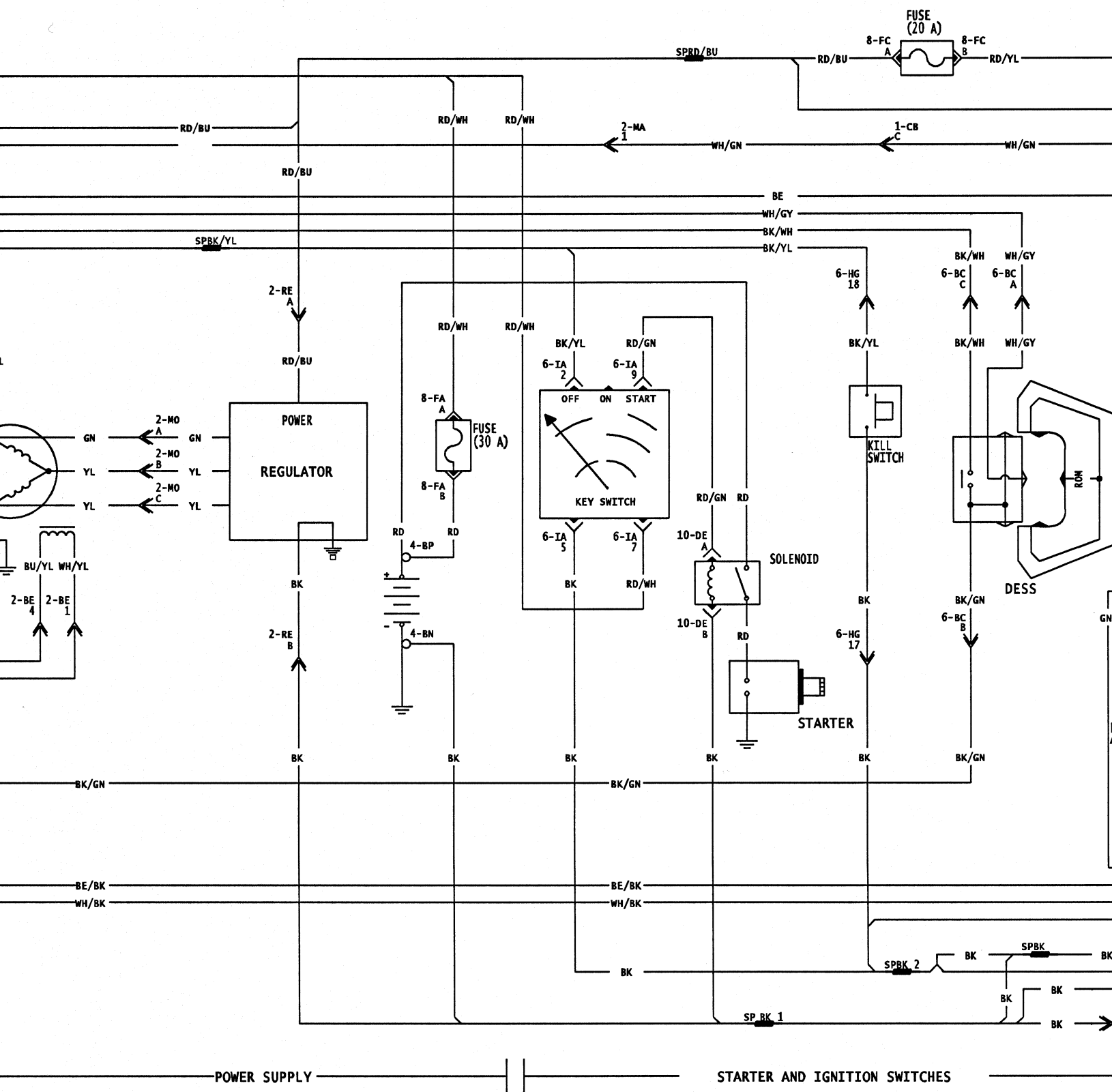
ANNEX 3

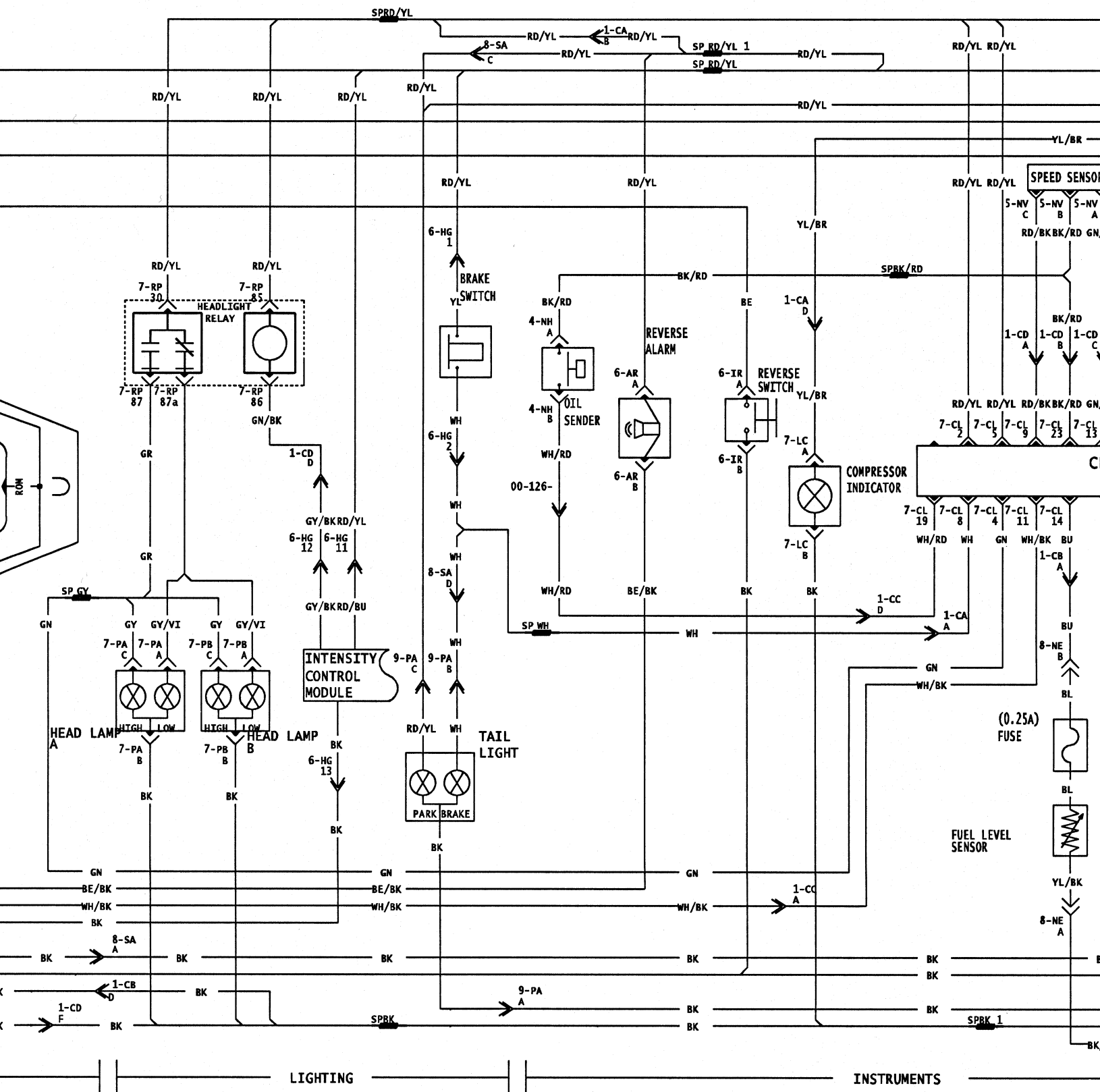
GT SE

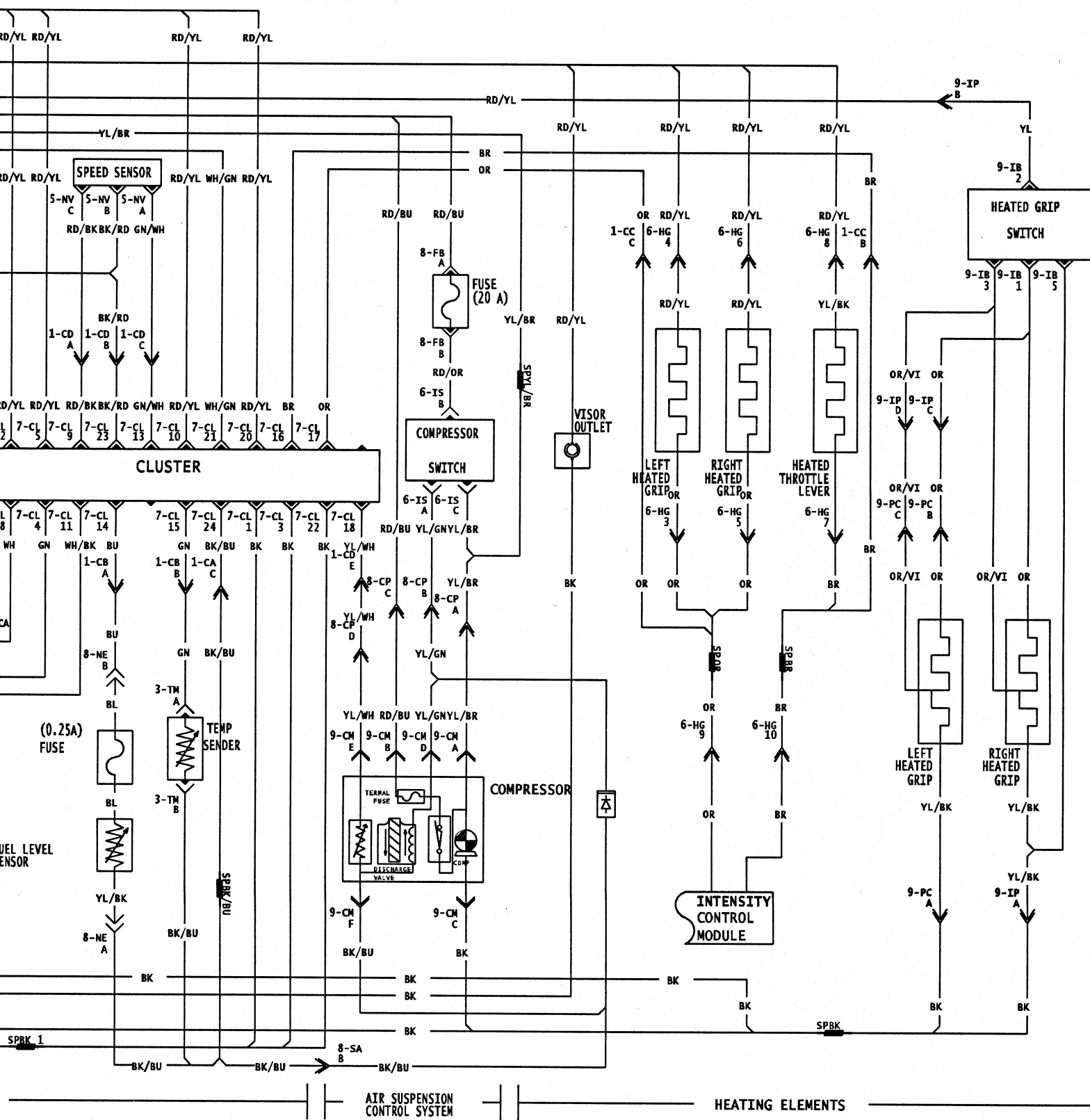
2001 GRAND TOURING SE



IGNITION SYSTEM









ski-doo
ski-doo



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