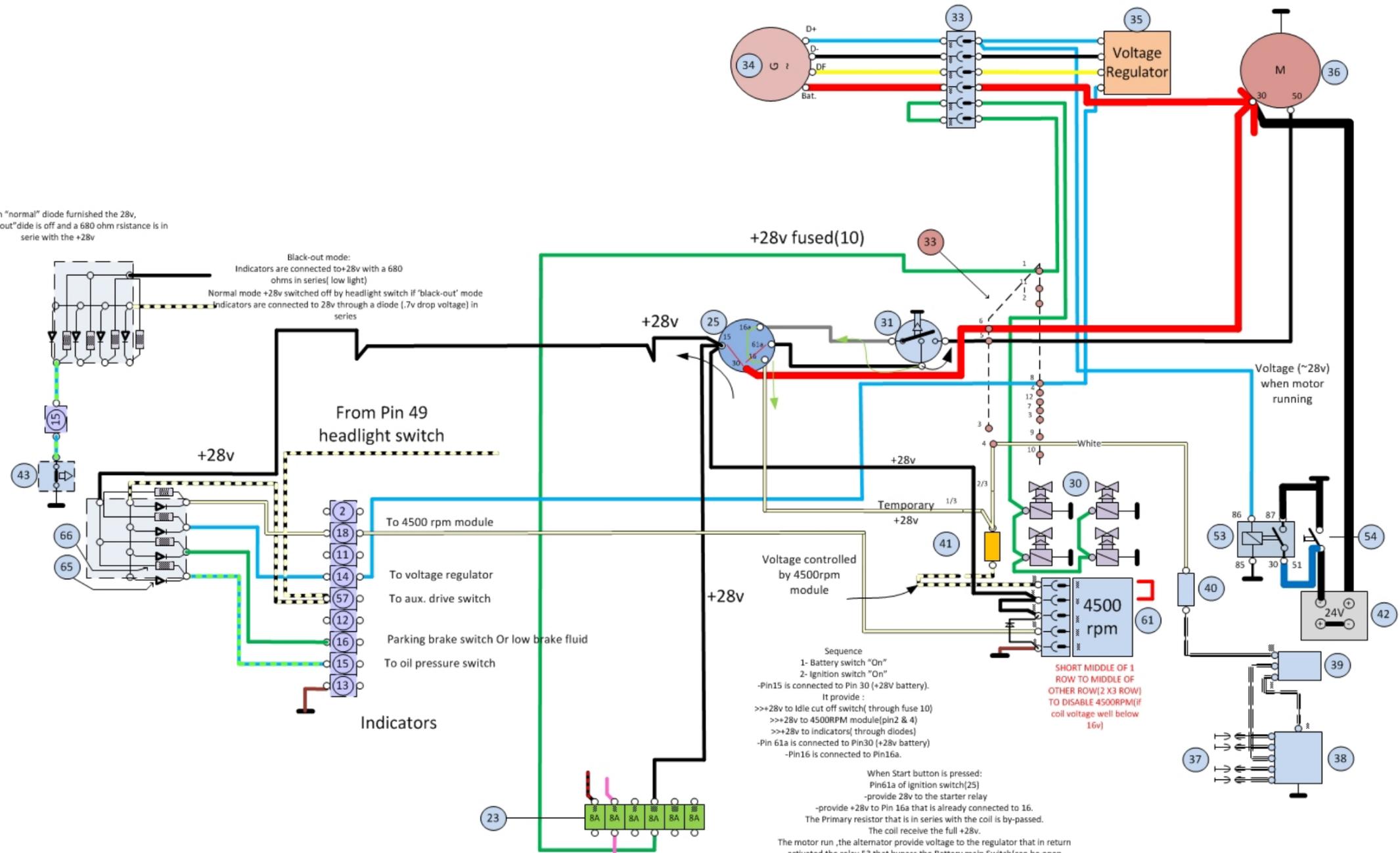


When "normal" diode furnished the 28v,  
When "black-out" diode is off and a 680 ohm resistance is in series with the +28v

Black-out mode:  
Indicators are connected to +28v with a 680 ohms in series (low light)  
Normal mode +28v switched off by headlight switch if 'black-out' mode  
Indicators are connected to 28v through a diode (.7v drop voltage) in series



Sequence  
1- Battery switch "On"  
2- Ignition switch "On"  
-Pin15 is connected to Pin 30 (+28v battery).  
It provide :  
>>>+28v to Idle cut off switch( through fuse 10)  
>>>+28v to 4500RPM module(pin2 & 4)  
>>>+28v to indicators( through diodes)  
-Pin 61a is connected to Pin30 (+28v battery)  
-Pin16 is connected to Pin16a.

When Start button is pressed:  
Pin61a of ignition switch(25)  
-provide 28v to the starter relay  
-provide +28v to Pin 16a that is already connected to 16.  
The Primary resistor that is in series with the coil is by-passed.  
The coil receive the full +28v.  
The motor run ,the alternator provide voltage to the regulator that in return activated the relay 53 that bypass the Battery main Switch(can be open inadvertently).  
The indicator 14 receive voltage on both side is now "off".  
When Start button is relaxed:  
-No more voltage to the relay starter  
-No more voltage to Pin 16 of ignition switch(25)  
-Now the ignition coil is in series with the Primary resistor and the 4500Rpm module .  
The 4500rpm Module controls the voltage to the ignition coil .  
By removing the 4500RPM module (if defective) and jumping the connector, the ignition coil will receive the +28v less the voltage drop at the Primary resistor .

SHORT MIDDLE OF 1 ROW TO MIDDLE OF OTHER ROW(2 X3 ROW) TO DISABLE 4500RPM(if coil voltage well below 16v)

**710M Schematic Legend**

- 1. Headlight w/parking light
- 2. Heater indicator – optional\*
- 3. Front turn signal
- 4. Low brake fluid sensors
- 5. Wiper motor
- 6. Blackout lamp - optional
- 7. Horn
- 8. Headlight relay
- 9. Brake switch
- 10. Speedometer lamp
- 11. High beam indicator \*
- 12. Turn signal indicator \*
- 13. Hazard light indicator \*
- 14. Charging indicator \*
- 15. Oil pressure indicator \*
- 16. Brake indicator \*
- 17. Fuel gauge w/lamp
- 18. 4500 RPM indicator \*
- 19. Parking brake switch
- 20. Connector – 1 pin
- 21. Wiper switch
- 22. Reading lamp
- 23. Circuit breakers (12)
- 24. Turn signal relay flasher
- 25. Ignition switch

- 26. Headlight switch
- 27. Turn signal/highbeam switch
- 28. Horn button
- 29. Aux. power socket
- 30. Idle cutoff switches (4 on carbs)
- 31. Starter button
- 32. Fuel level sender
- 33. Connectors
- 34. Alternator

- 35. Regulator
- 36. Starter
- 37. Spark plugs
- 38. Distributor
- 39. Ignition coil
- 40. Suppressor
- 41. Primary resistor to ignition coil
- 42. Batteries (2x12V)
- 43. Oil pressure switch
- 44. Brake light/turn signal
- 45. Camo light, R & L - optional

- 46. Tail light, R & L
- 47. License plate light
- 48. Socket, 7-pin
- 49. –
- 50. 4x4, diff lock indicators
- 51. 4x4, diff lock switches
- 52. Gas heater – optional
- 53. Relay – battery main switch
- 54. Battery main switch
- 55. –
- 56. Switch, aux. drive - optional

- 57. Aux. drive indicator \* - optional
  - 58. Blower
  - 59. Blower switch
  - 60. Switch, aux. power socket
  - 61. 4500 rpm module
  - 62. Switch, hazard lights
  - 63. Connector for radio
  - 64. Socket for charger – optional
  - 65. Diode
  - 66. Resistor
  - 67. Connector box in rear
- \* on Combined indicator strip

**Circuit Breakers**

- 1. Left f & r parking lights, speedometer lamp, fuel gauge lamp
- 2. Right f & r parking lights
- 3. Left low beam headlight
- 4. Right low beam headlight
- 5. Left high beam headlight
- 6. Right high beam headlight
- 7. Front blackout lamp – optional
- 8. Rear blackout lights – optional (pink wire)
- 9. Headlight high beams
- 10. Horn, idle cutoff solenoids, blower, wipers
- 11. Emergency flashers, map light, (heater indicator – optional)
- 12. Headlight relay, emergency flasher relay, diff/4x4 indicators