



Russian Headlight Assemblies

Part VI: Headlight Cavity for Dnepr MT-9

***(Also See Part I: Headlight Cavity, Early Central
Switch and Speedometer)***

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Dnepr MT-9: 1971-1976



Early Dnepr MT-9 (1975) (edslastresort.com/dnepr/mt9.html)

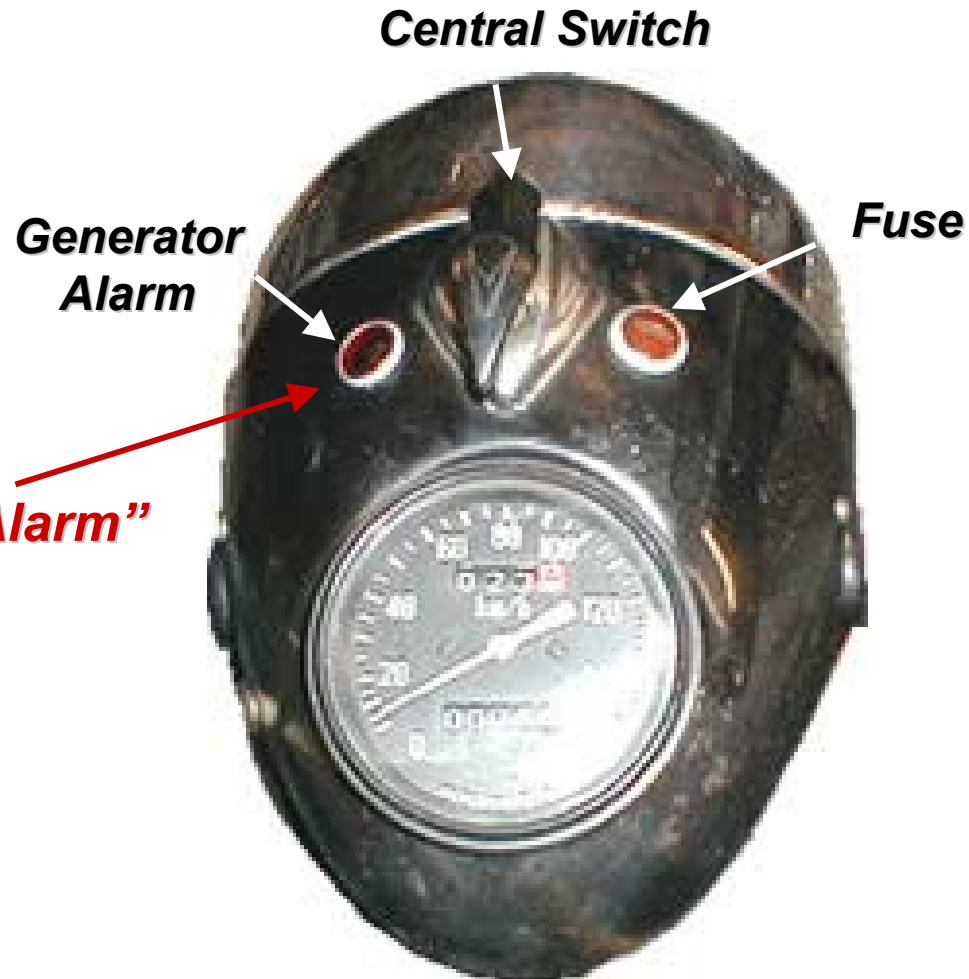


**Note: Only Generator "Alarm"
Indicator Present, others Added Later**

**The earliest MT-9 headlight cavity contains ignition switching,
warning light / fuse, and hi/lo headlight switching.**

Dnepr MT-9 Headlight Assembly

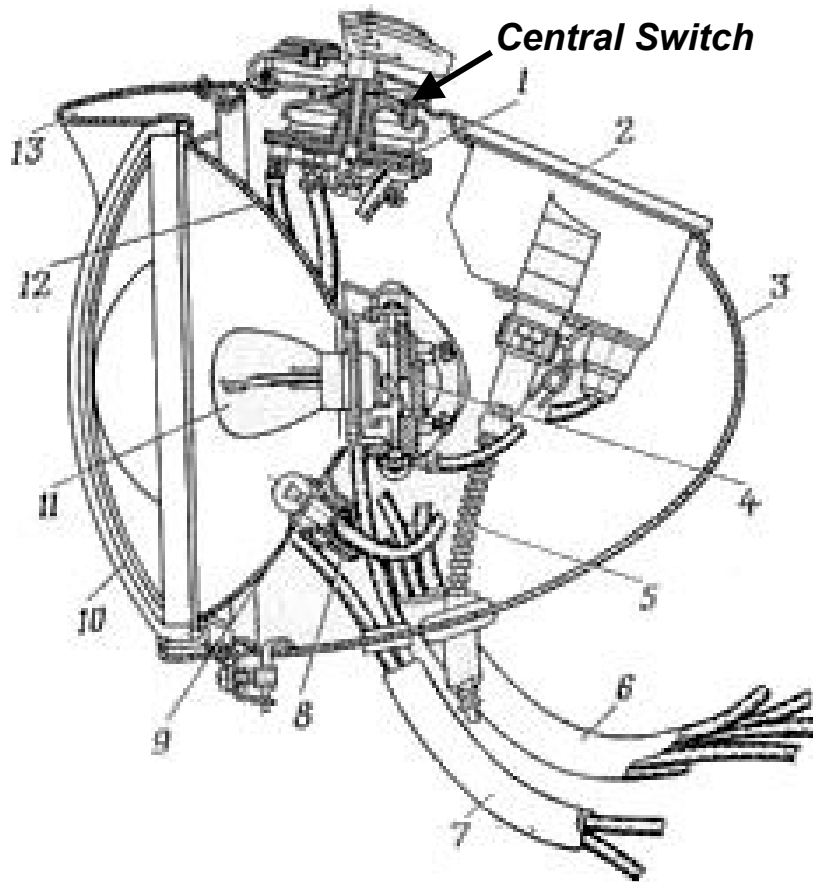
(www.cossackmotorcycles.com)



***Note: Only Generator "Alarm"
Indicator Present***

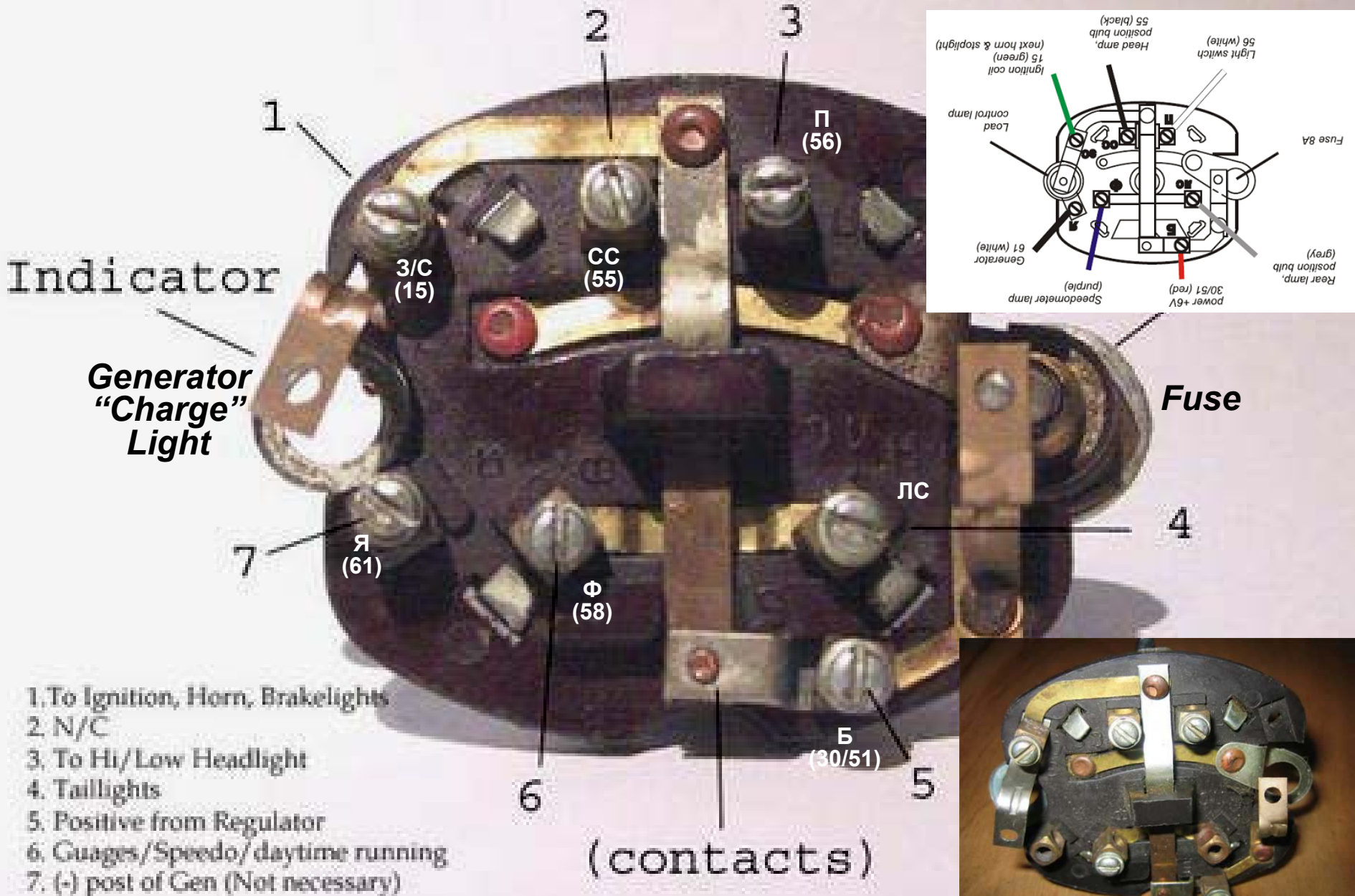
***Dnepr MT-9's have the same dash as early Urals,
with the speedometer sunk right into the headlight.***

Headlight Assembly Φαπα ΦΓ-116 (FG-116) on MT-9



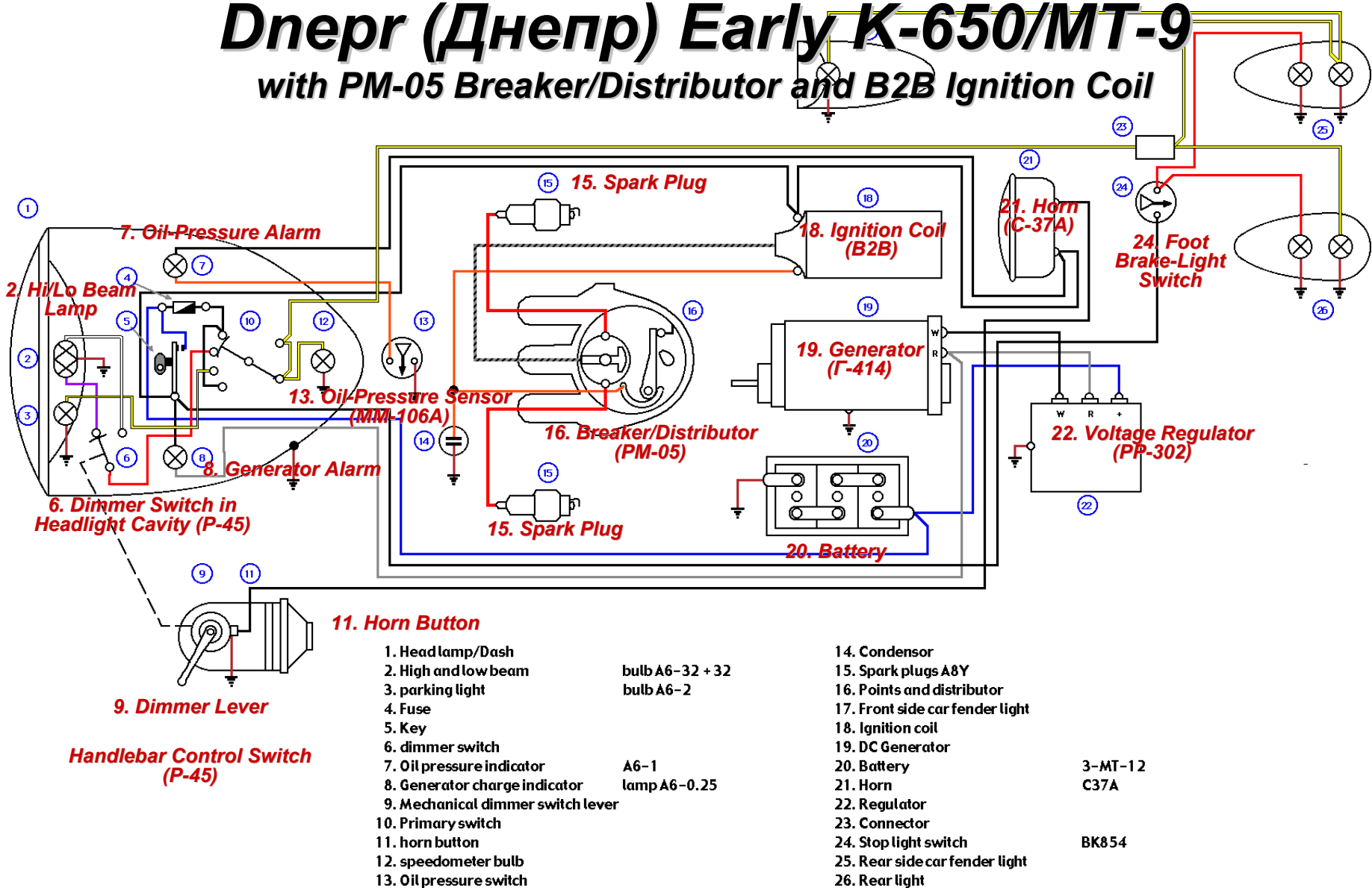
- 1. Master Switch
- 2. Speedometer / Odometer
- 3. Cavity Body
- 4. Lamp Holder and Hi/Lo Beam Lamp
- 5. Flexible Shaft Speedometer Cable
- 6. and 7. Bundles of Wires
- 8. Parking Light Bulb Socket
- 9. Lamp Holder
- 10. Lens
- 11. Dual Filament (Hi/Lo) Beam Lamp
- 12. Reflector
- 13. Ring (rim) of Lens and Reflector

Dnepr MT-9 Master Switch Schematic (IggyMo on Dneprheads)



Dnepr (Днепр) Early K-650/MT-9

with PM-05 Breaker/Distributor and B2B Ignition Coil



1968 K-650, Dnepr MT-9

Early MT-9 with Manual (PM-05) Spark Advance

(Dimmer Switch in Headlight Cavity)

34. Переключатель Света П45 (Handlebar Light Dimmer Switch P-45)

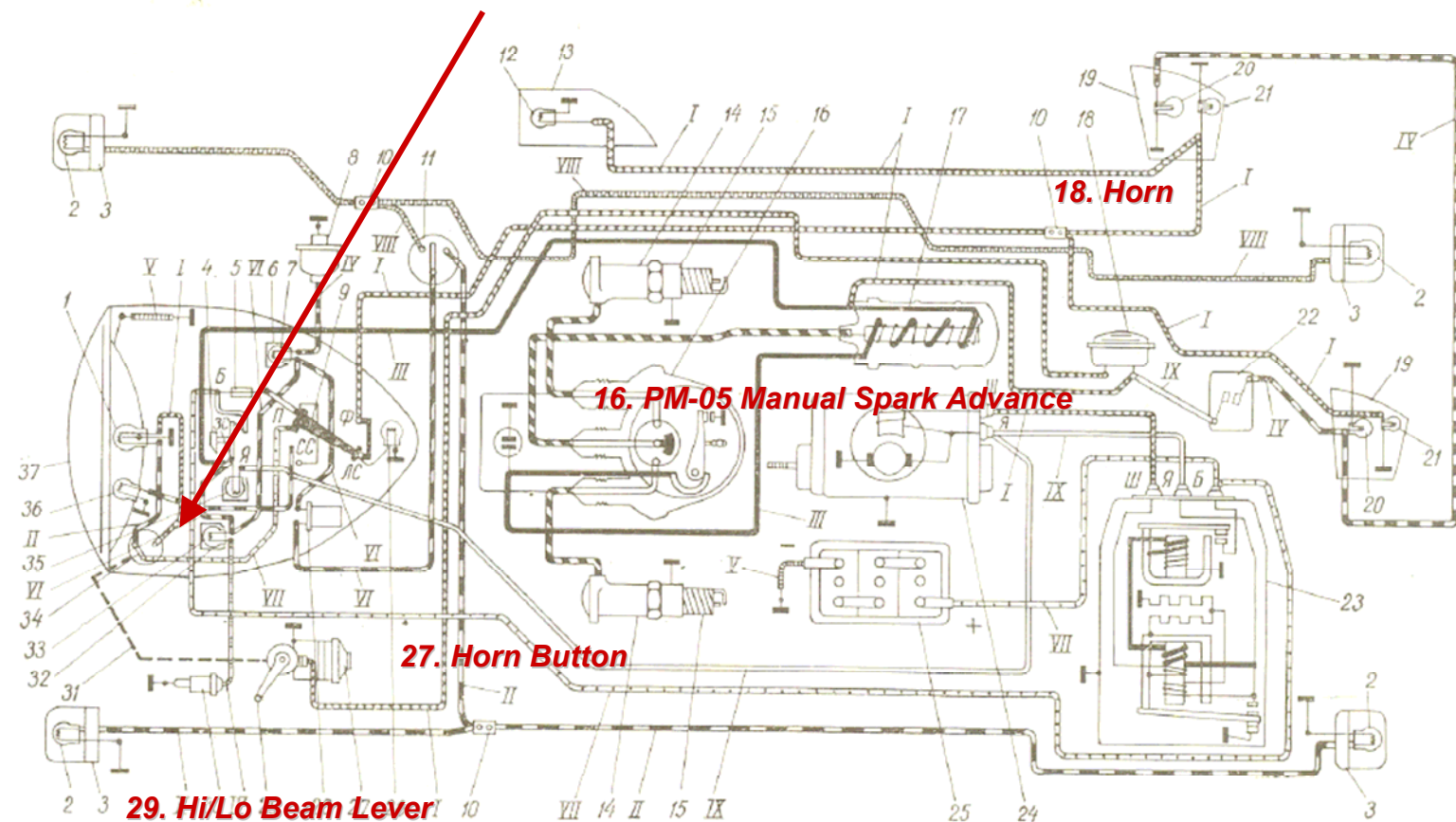
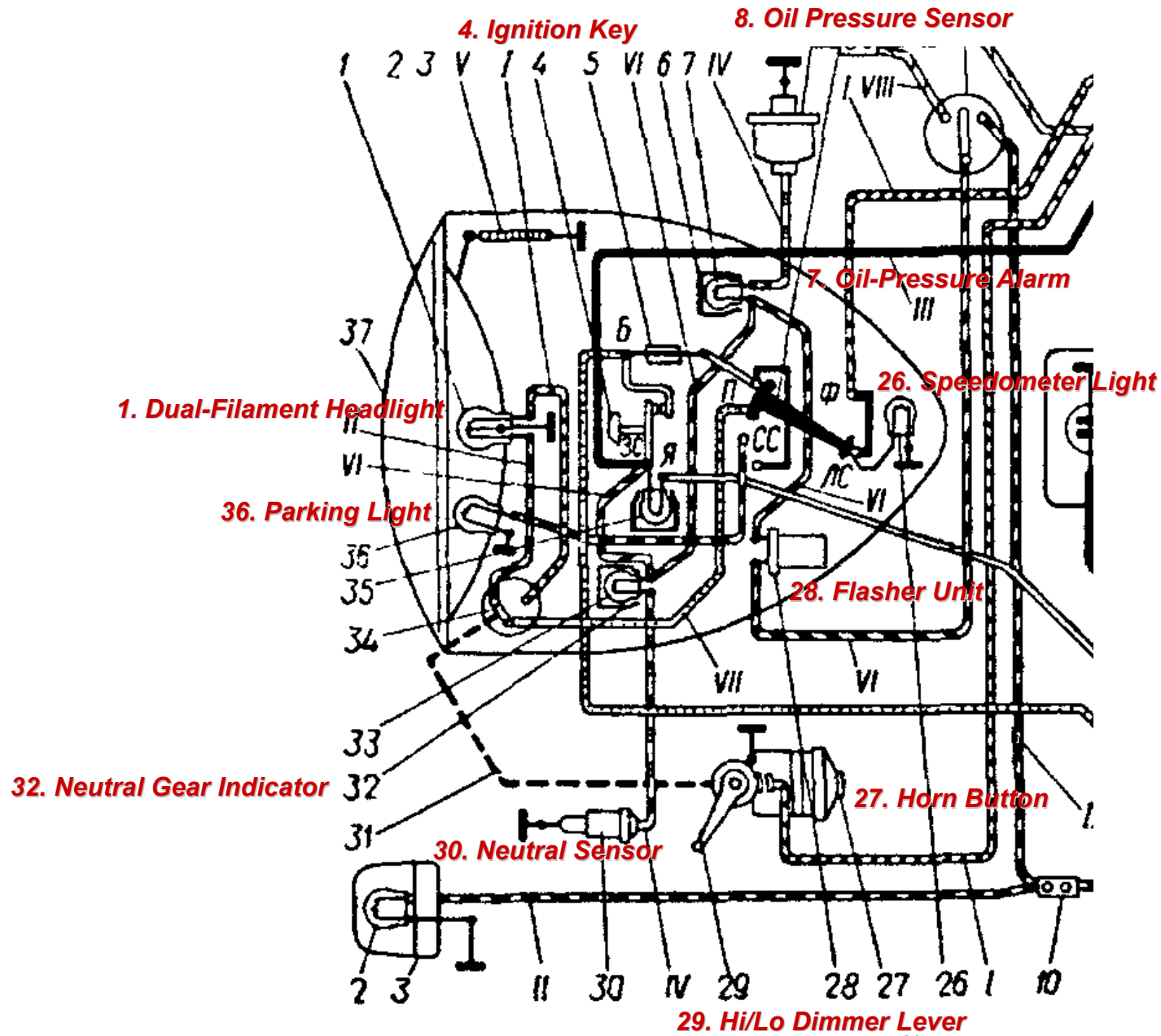


Fig. 7. Diagram of electrical equipment and colour of wires:

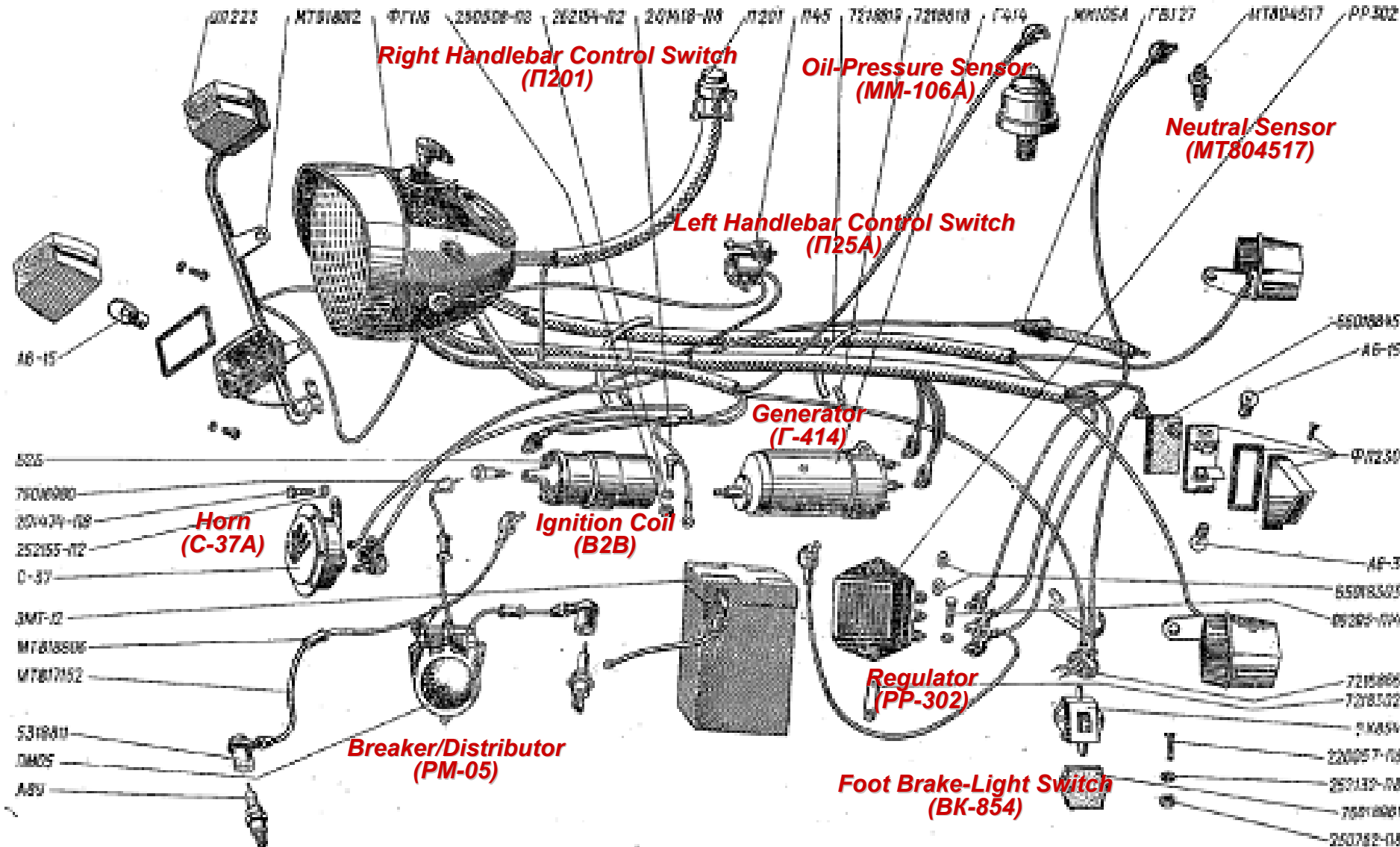
1 — far and passing beam lamp A6 32+32; 2 — lamp A6-15; 3 — turn light УП223; 4 — ignition key; 5 — fuse 15A; 6 — control light ПД-20; 7 — oil low-pressure warning light A6-1; 8 — oil low-pressure pick-up MM 106A; 9 — central switch; 10 — wire connector; 11 — direction indicator switch 25A; 12 — side lamp A6-2 of sidecar front light; 13 — sidecar front light ПФ200; 14 — plug shell; 15 — spark plug A8V; 16 — distributor-and-contact breaker unit ПМ05; 17 — ignition coil Б2Б; 18 — horn C37A; 19 — tail ФП230; 20 — lamp A6-15

of stop light; 21 — side lamp A6-3 of tail light; 22 — stop light switch BK854; 23 — regulating relay PP302; 24 — direct-current generator Г414; 25 — storage battery 3MT-12; 26 — speedometer brightening lamp A6-2; 27 — horn button; 28 — turn light blinker PC419; 29 — timing angle adjustment lever; 30 — neutral position pick-up (contact plug); 31 — dim-switch cable; 32 — control light ПД-20Г; 33 — lamp A6-1, indicating neutral position of gearshift mechanism; 34 — dim-switch П45; 35 — storage battery charge control lamp A6-0.25; 36 — parking lamp A6-2; 37 — head lamp ФГ116; I — black; II — white; III — red; IV — green; V — brown; VI — yellow; VII — blue; VIII — violet; IX — grey

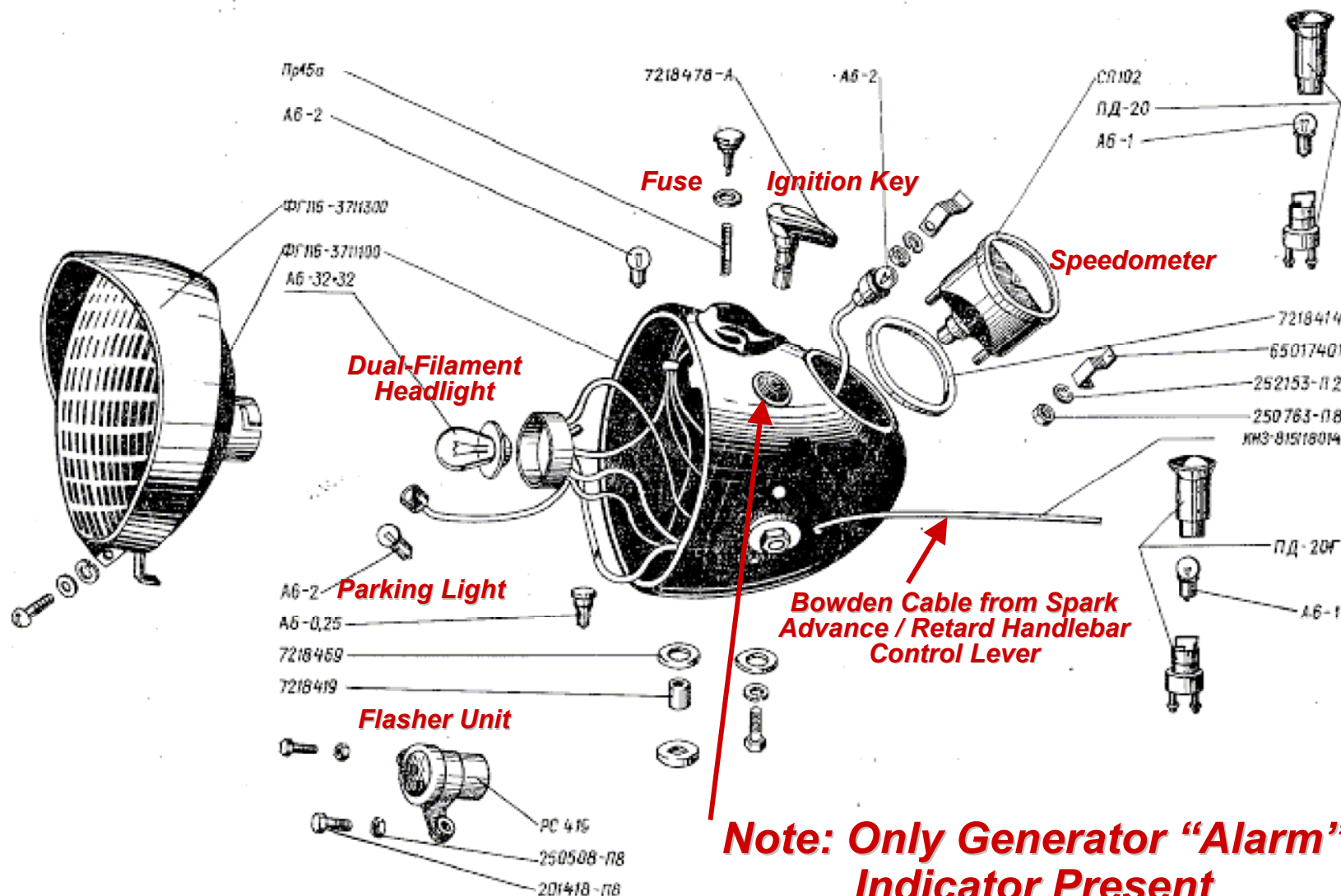
Dnepr (Днепр) MT-9 Headlight Assembly



Dnepr (Днепр) Early MT-9 with Manual Control of Firing Angle ***(B2B Ignition Coil and PM-05 Breaker/Distributor)***



Early MT-9 (with Manual Spark Advance PM-05)



The early MT-9 headlight assembly ($\Phi\Gamma 116$) contained a hi/lo beam switch.

Later MT-9 with Automatic (PM-201) Spark Advance

(Dimmer Switch in Handlebar Control, No Spark Advance Lever)

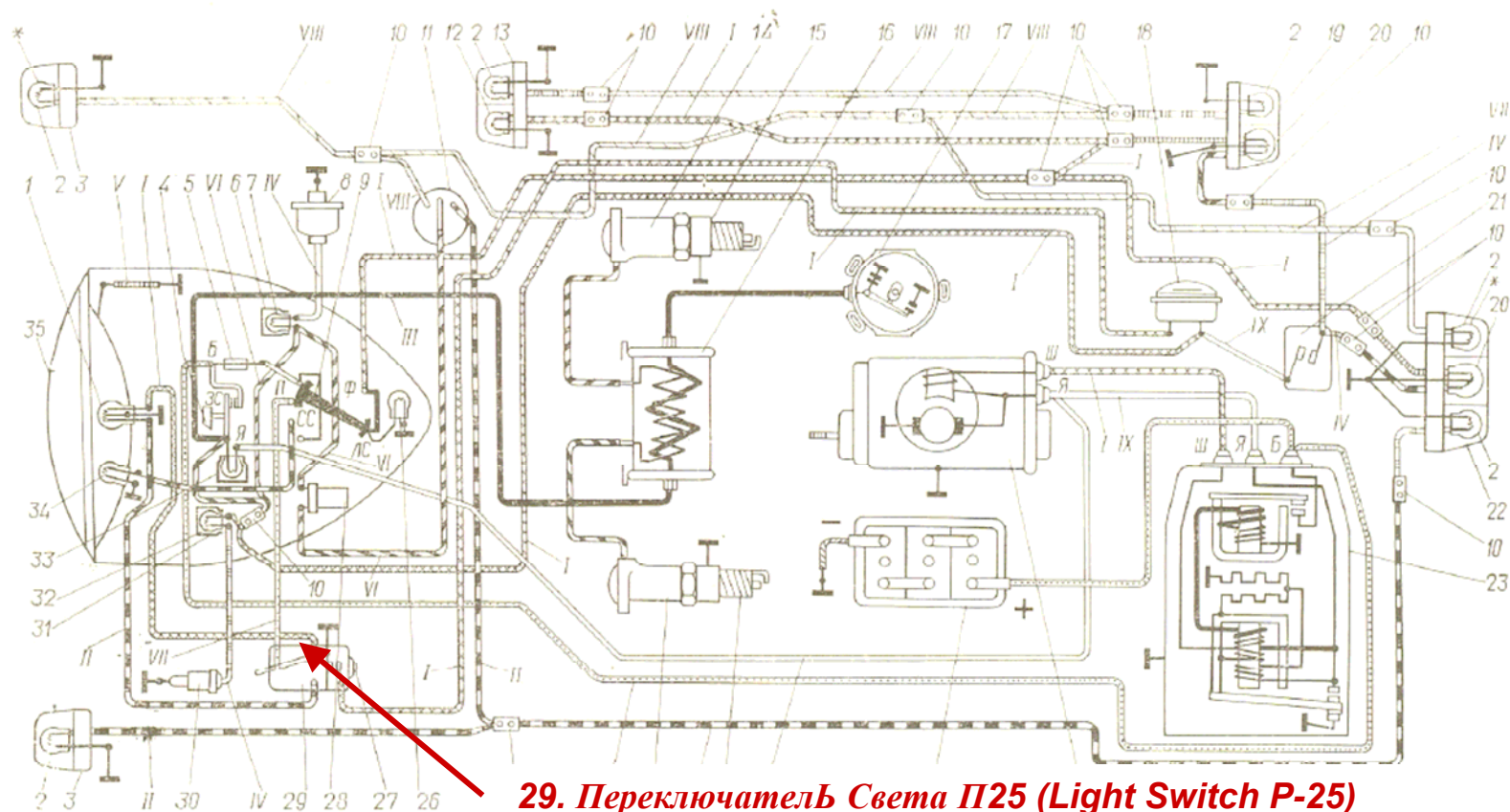


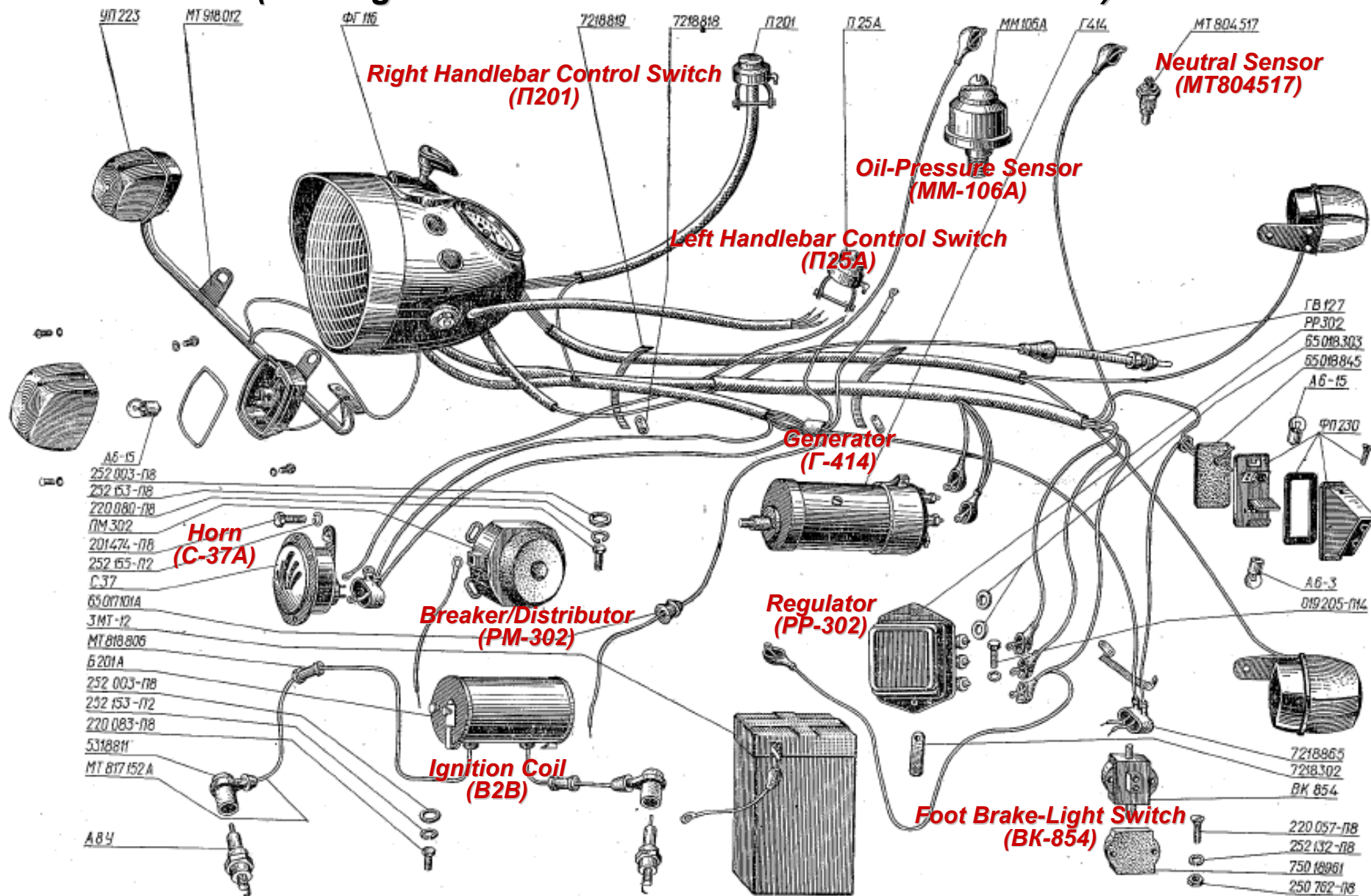
Fig. 8. Diagram of electric equipment and colour of wires:

I — far and passing beam lamp A6-32+32; 2 — lamp A6-15; 3 — turn light УП-223; 4 — ignition key; 5 — fuse 15A; 6 — control light ПД-20; 7 — oil low-pressure warning light A6-1; 8 — oil low-pressure pick-up MM106A; 9 — central switch; 10 — wire connector; 11 — direction indicator switch П201; 12 — lamp A6-3; 13 — sidecar front light ПФ-232; 14 — plug shell; 15 — spark plug AY8; 16 — ignition coil Б201А; 17 — contact breaker ПМ-302; 18 — horn С37А; 19 — sidecar tail light ФП-219; 20 — lamp A6-21+3; 21 — stop light switch БК854; 22 — motorcycle tail light ФП-217; 23 — regulating relay РР-302; 24 — direct current generator Г-414; 25 — storage battery 3MT-12; 26 — speedometer brightening lamp A6-2; 27 — horn button; 28 — turn light blinker РС419; 29 — dimmer switch П25; 30 — neutral position pick-up (contact plug); 31 — control light ПД-20Г; 32 — lamp A6-1 indicating neutral position of gearshift lever; 33 — generator switching control lamp A6-0,25; 34 — parking lamp A6-2; 35 — head lamp ФГ-116;

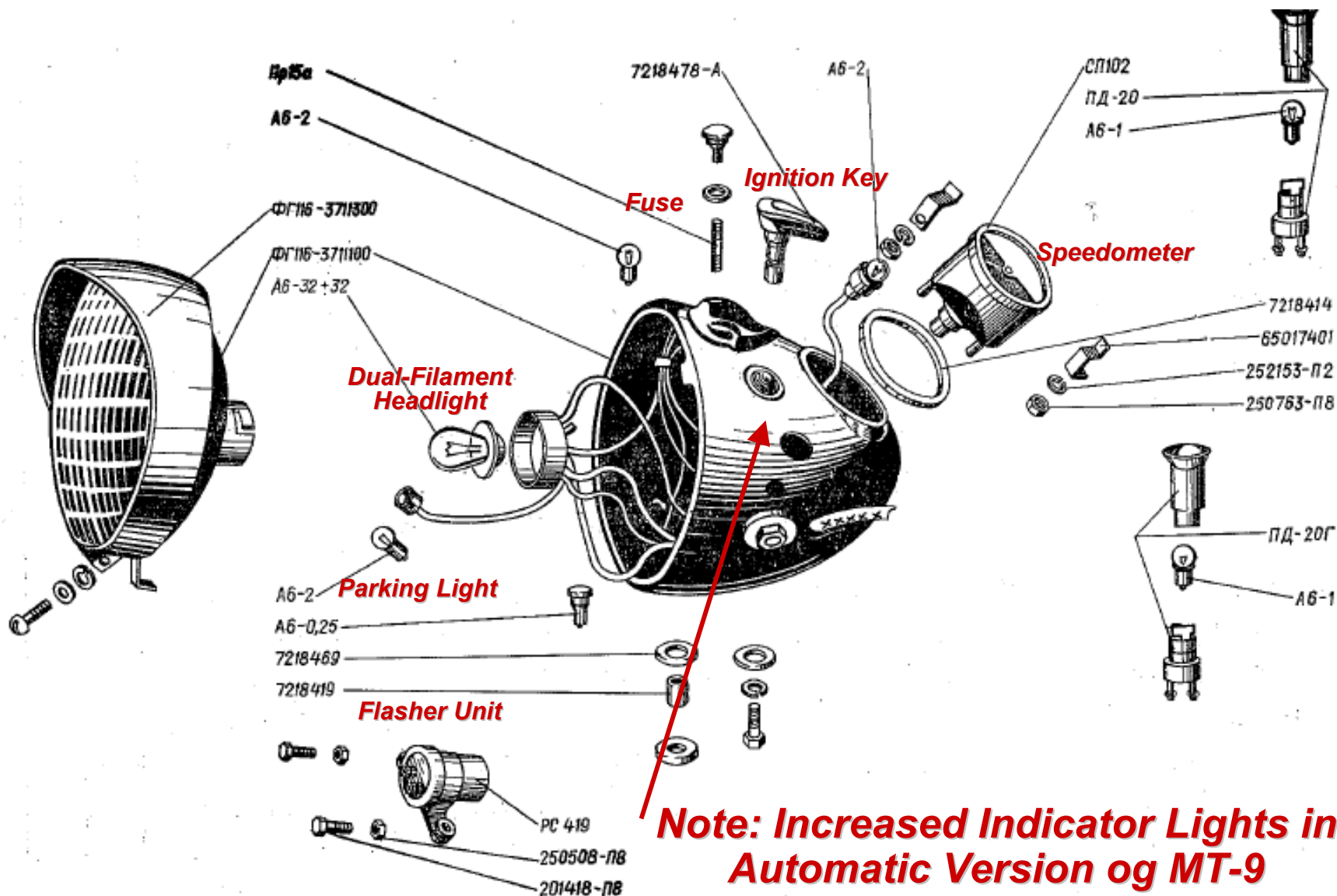
I — black; II — white; III — red; IV — green; V — brown; VI — yellow; VII — blue; VIII — violet; IX — grey

Note. In case the motorcycle is used with a sidecar the lamps designated in the drawing with * are disconnected

Dnepr (Днепр) Later MT-9 with Automatic Spark Control (B201 Ignition Coil and PM-302 Breaker/Distributor)



Later MT-9 (with Automatic Spark Advance PM-302)



The later MT-9 headlight assembly (ΦГ-116), with the removal of the spark advance / retard control, used an external hi/lo beam switch.