Russian Headlight Assemblies
Part XXX-6: Headlight Cavity for the Dnepr MT-9
(Also See Parts XXX-1 thru -12)

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Dnepr MT-9: 1971-1976
The earliest MT-9 headlight cavity contained ignition switching, warning light / fuse, and hi/lo headlight switching.

Note: Only Generator “Alarm” Indicator Present, others Added Later.
Dnepr MT-9’s have the same dash as early Urals, with the speedometer sunk right into the headlight.

Note: Only Generator “Alarm” Indicator Present
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)

1. To Ignition, Horn, Brakelights
2. N/C
3. To Hi/Low Headlight
4. Taillights
5. Positive from Regulator
6. Gauges/Speedo/daytime running
7. (-) post of Gen (Not necessary)
Dnepr (Днепр) Early K-650/MT-9
with PM-05 Breaker/Distributor and B2B Ignition Coil

1. Headlamp/Dash bulb A6-32 + 32
2. High and low beam bulb A6-2
3. Parking light bulb A6-1
4. Fuse
5. Key
6. Dimmer switch
7. Oil pressure indicator A6-0.25
8. Generator charge indicator lamp A6-0.25
9. Mechanical dimmer switch lever
10. Primary switch
11. Horn button
12. Speedometer bulb
13. Oil pressure switch
14. Condenser
15. Spark plugs A6Y
16. Points and distributor
17. Front side car fender light
18. Ignition coil
19. DC Generator
20. Battery 3-MT-12
21. Horn C37A
22. Regulator
23. Connector
24. Stop light switch BK854
25. Rear side car fender light
26. Rear light

1968 K-650, Dniepr MT-9

wykon.: Carl Allison
34. Переключатель Света П45 (Handlebar Light Dimmer Switch P-45)

16. PM-05 Manual Spark Advance

27. Horn Button

29. Hi/Lo Beam Lever

18. Horn

ФГ-116 Headlight

Fig. 7. Diagram of electrical equipment and colour of wires:
1 — far and passing beam lamp А3 32+32; 2 — lamp А6-15; 3 — turn light УП223; 4 — ignition key; 5 — fuse 15A; 6 — control light ПД.20; 7 — oil low-pressure warning light А6-1; 8 — oil low-pressure pick-up MM 106A; 9 — central switch; 10 — wire connector; 11 — direction indicator switch 25А; 12 — side lamp А6-2 of sidecar front light; 13 — sidecar front light ПФ200; 14 — plug shell; 15 — spark plug А8Y; 16 — distributor-and-contact breaker unit ПМ05; 17 — ignition coil Б2Б; 18 — horn С37А; 19 — tail ПП230; 20 — lamp А6-15 of stop light; 21 — side lamp А6-3 of tail light; 22 — stop light switch BK854; 23 — regulating relay РР.302; 24 — direct-current generator Г14; 25 — storage battery МТ-12; 26 — speedometer brightening lampА6-2; 27 — horn button; 28 — turn light blinker РС419; 29 — timing angle adjustment lever; 30 — neutral position pick-up (contact plug); 31 — dim-switch cable; 32 — control light ПД-20Г; 33 — lamp А6-1, indicating neutral position of gearshift mechanism; 34 — dim-switch П45; 35 — storage battery charge control lamp А6-0.25; 36 — parking lamp А6-2; 37 — head lamp ФГ116; I — black; II — white; III — red; IV — green; V — brown; VI — yellow; VII — blue; VIII — violet; IX — grey
**Dnepr (Днепр) 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 (ΦГ116) 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:

1 — 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 ММ106А; 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 АУ8; 16 — ignition coil Б201А; 17 — contact breaker ПМ-302; 18 — horn С37А; 19 — sidecar tail light ФП-219; 20 — lamp А6-21+3; 21 — stop light switch ВК854; 22 — motorcycle tail light ФП-217; 23 — regulating relay РР-302; 24 — direct current generator Г-414; 25 — storage battery 3М-12; 26 — speedometer brightening lamp А6-2; 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 А6-1 indicating neutral position of gearshift lever; 33 — generator switching control lamp А6-0.25; 34 — parking lamp А6-2; 35 — head lamp ФГ-116;

ΦГ-116 Headlight

29. Переключатель Света П25 (Light Dimmer Switch P-25)

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