Russian Headlight Assemblies

Part XXX-7: Headlight Cavity for the MT-10 and MT-10.36

(Also See Parts XXX-1 thru -12)

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Early Dnepr MT-10-36’s had the same dash as early Urals, with the speedometer sunk right into the headlight cavity, with only two indicator lights.
Later Dnepr MT10’s moved the speedometer outside the headlight cavity and increased the number of indicator lights to five.
Dnepr’s MT-10 had a new instrument console, introduced 12-Volt electrics, adopted heavier brakes and clutch levers.
Even the MT-10.36 shows two different types of headlight assemblies; the two indicator bullet and the five-indicator stubby headlight.
Older Style Headlight Assembly
Фара ФГ-116 (FG-116) on MT-10

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-10 Master Switch Schematic

Indicator

Generator “Charge” Light

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) MT-10 (1969)
Dnepr (Днепр) MT-10 with Older Style Headlight
MT-10 FG-116 (ФГ-116 Фара) Older Style Headlight Assembly

- Headlight Assembly (ФГ-116)
- Headlight Lamp (A12-50+40)
- Parking Lamp (A12-1)
- Central Ignition Switch (СП-102)
- Fuse (Пп20а)
- Speedometer (СП-102)
- Fkasher Unit (PC427)
Dnepr (Днепр) Early MT-10
(Г-424 Alternator, PP-330 Regulator, B204 Ignition Coil, PM-302 Breaker, 3MT-6 Battery)
Newer Style MT-10
Lamp (фара) ФГ-137 (FG-137)

2. Central Ignition Switch
Dнепр (Днепр) Later MT-10 and MT-10.36

1. Left Turn
2. Central Switch
3. Right Turn
4. Speedometer
5. 9. Turn-signal Indicator
6. 10. Oil Pressure Alarm
7. 11. High-Beam Indicator
8. 12. Generator Alarm
9. 13. Neutral Gear
11. 15. Oil Pressure Sensor
12. 16. Turn Signal
13. 17. Flasher
14. 21. Fuse Block
15. 22. Voltage Regulator (PP-330)
16. 23. Battery (2X 3MT-6)
17. 24. Master Battery Ground Switch
18. 25. Foot Brake-Light Switch
20. 27. Foot Brake-Light Switch
21. 28. Alternator
22. 29. Battery Ground Switch
23. 30. Breaker
24. 31. Ignition Coil
25. 32. Spark-plugs
26. 33. Horn
27. 34. Horn
28. 35. Right Turn
29. 36. Brake Light

Speedometer Separate from Headlight Cavity
Ignition Key Switch BK-857 for MT-10

Ignition Key Positions:
0 - Key Inserted All the Way; All Appliances Are Switched Off
I - Key Inserted All the Way and Turned Counter-Clockwise; Ignition, Parking Lights and Motorcycle Parking Light in the Headlamp (parking light stays on when laid out in this position, the ignition key);
II - Key Inserted All the Way and Turned Clockwise to First Fixed Position; Ignition, Headlights and Parking Lights (Motion in Night-Time Conditions)
III - Key Inserted All the Way and Turned Clockwise to Second Fixed Position; Ignition, Parking Lights and Turn Indicators

Central Switch BK-857
1. Switch Body
2. Lock Cylinder
3. Ignition Key
4. Slides

Seven Terminals, which Connect a Plus from the Power Source (terminals 1-1), Ignition (terminals 2-2), Marker Lights Motorcycle (terminal 3-3) and a Headlamp (Terminal 4).
• ММ 126 Emergency oil pressure sensor
• ПД20Е Generator alarm light and relay control (PD20E)
• ПД20Е Emergency oil-pressure alarm light (PD20E)
• ПД20Д Neutral position indicator light (PD20D)
• ПД20Д Hi/Lo beam indicator light (PD20D)
• ПД20Д Turn indicator light (PD20D)
• ФГ137 Headlight cavity (FG137)
• ФП246 Motorcycle taillight (FP246)
• ФП219Б Rear sidecar light (FP219B)
• ПФ232Б Front sidecar light (PF232B)
• ВК857 Central switch (VK857)
• ПР11В Fuse box (PR11V)