

***Ural (Урал) - Dnepr (Днепр)
Master Battery
Ground Switch
(ВЫКЛЮЧАТЕЛЬ массы)***

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Master Battery Ground Switch (ВЫКЛЮЧАТЕЛЬ массы)

- **Disconnects All Electrical Systems from Battery for Long-Term Parking**
- **Present on Both Ural and Dnepr**
- **Ural Eliminated in 2001, Due to Addition of Electric Starter**
- **Purpose: Eliminates All Battery Leakage Current thru Generator and Voltage Regulator**
- **Enclosed Schematics Show Master Battery Switch to Ground**
- **Check for Terminal Corrosion and Ground Lug Corrosion and Tightness**
- **Located below Driver Seat (between the battery and grounding point of the voltage regulator)**



**Masseschalter
(Ground Switch)
(cgi.ebay.com)**



**Masseschalter
(Ground Switch)**



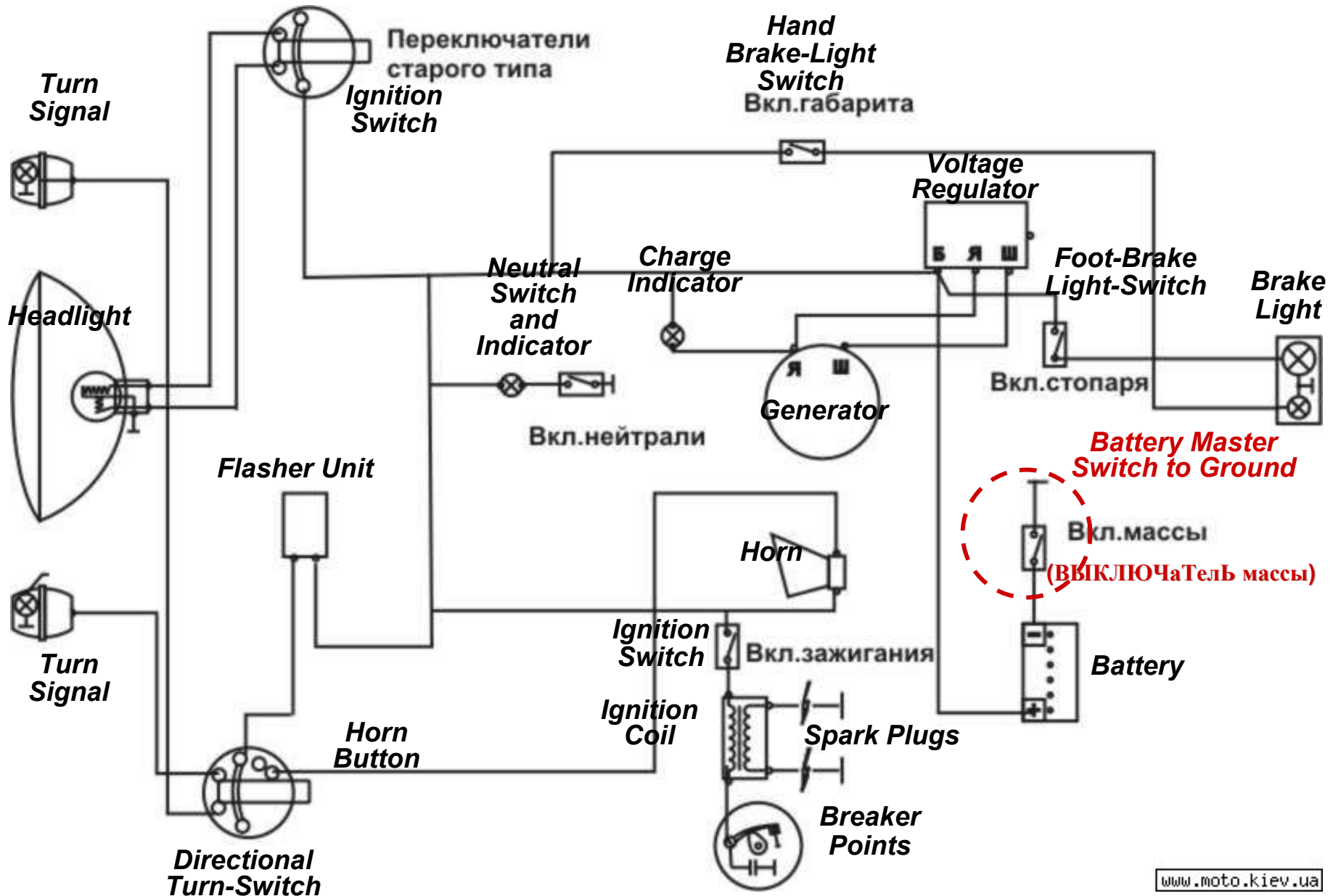
**IMZ-8.101-18106-01
(www.oldtimergarage.eu)**



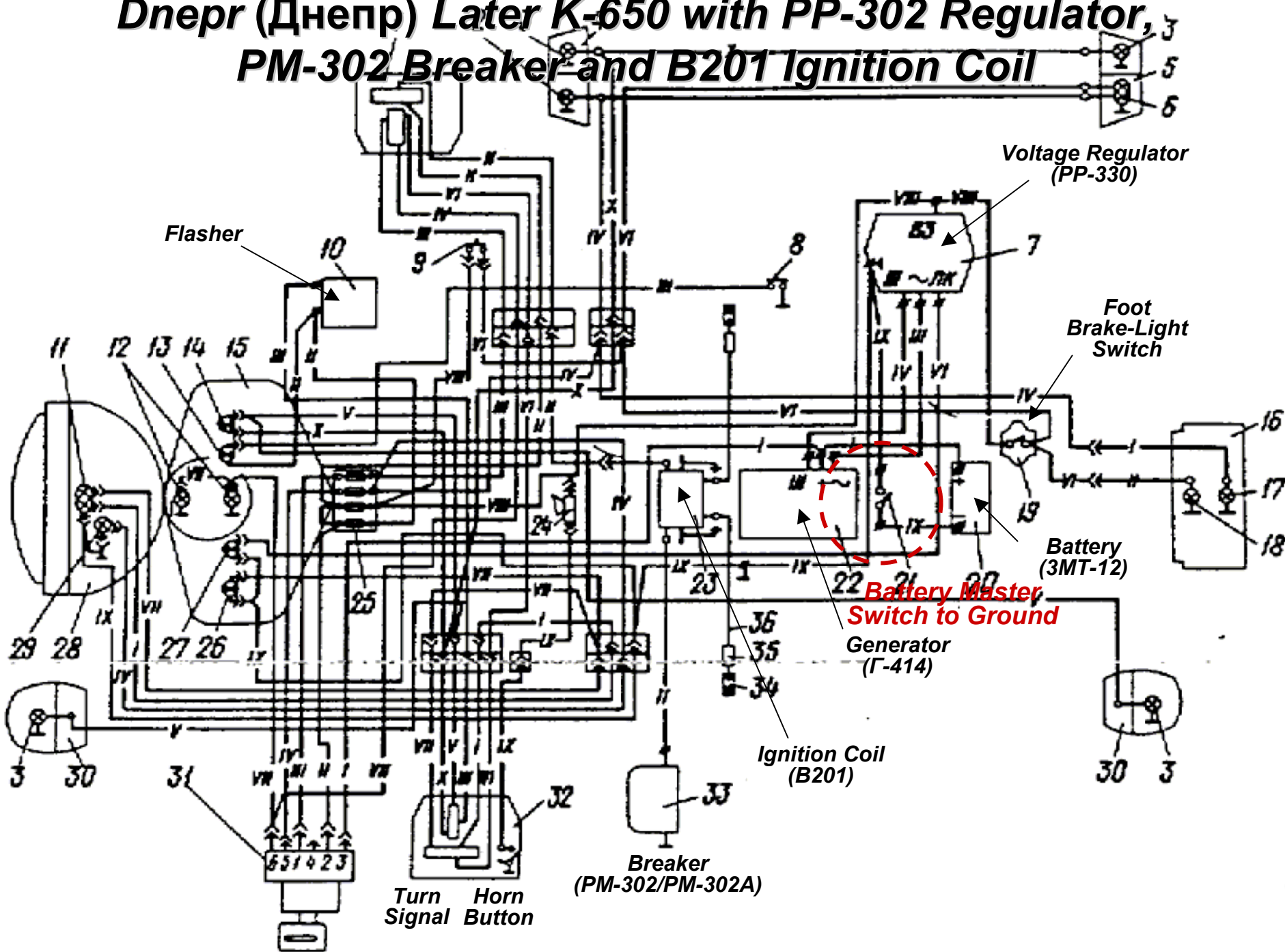
**Main Battery Switch, Dnepr and Ural
Max current: 10A
(www.ural-zentrale.de)**

Ural (Урал) and Dnepr (Днепр) Russian Sidecar Master Battery Switches					
Mfgr	Model	Year	Engine Size (cm³ / inch³)	Voltage	Master Battery Switch
Ural	M-72	1941-56	746 / 45.3 SV	6-Volt	Not Used
	M-72K	1954-60	746 / 45.3 SV	6-Volt	Not Used
	M-72M	1956-60	746 / 45.3 SV	6-Volt	Not Used
	M-61	1958-60	649 / 39.4 OHV	6-Volt	Not Used
	M-62	1960-65	649 / 39.4 OHV	6-Volt	Not Used
	M-63 (Ural-2)	1965-68	649 / 39.4 OHV	6-Volt	Not Used
	M-66 (Ural-3)	1968-72	649 / 39.4 OHV	6-Volt	Not Used
	M-67	1973-75	649 / 39.4 OHV	12-Volt	IMZ-8.101-1806-01
	M-67.36	1976-95	649 / 39.4 OHV	12-Volt	IMZ-8.101-1806-01
	8.103, 8.107 Series “650”	1994-2002	649 / 39.4 OHV	12-Volt	IMZ-8.101-1806-01
	8.103 “750”Series	2003-present	745 / 45.2 OHV	12-Volt	Not Used (electric-start)
Dnepr	M-72	1952-56	746 / 45.3 SV	6-Volt	Not Used
	M-72H	1956-59	746 / 45.3 SV	6-Volt	Not Used
	K-750	1959-63	746 / 45.3 SV	6-Volt	Not Used
	K-750M	1963-77	746 / 45.3 SV	6-Volt	Not Used
	MB-750	1964-73	746 / 45.3 SV	6-Volt	Not Used
	K-650/MT-8	1967-70	649 / 39.4 OHV	6-Volt	Used on Later K-650's
	MB-650	1968-91	649 / 39.4 OHV	12-Volt	46.3710
	K-650/MT-9	1971-74	649 / 39.4 OHV	6-Volt	Not Used
	MB-750M	1973-77	746 / 45.9 SV	6-Volt	Not Used
	MT-10	1973-76	649 / 39.4 OHV	12-Volt	46.3710
	MB-650M	1974	649 / 39.4 OHV	12-Volt	Not Used
	MT-10.36	1976-87	649 / 39.4 OHV	12-Volt	46.3710
	MT-12	1977-85	746 / 45.3 SV	12-Volt	Not Used
	MT-16 (Dnepr-16)	1985-2005	649 / 39.4 OHV	12-Volt	46.3710
	MT-11(Dnepr-11)	1987-2005	649 / 39.4 OHV	12-Volt	46.3710

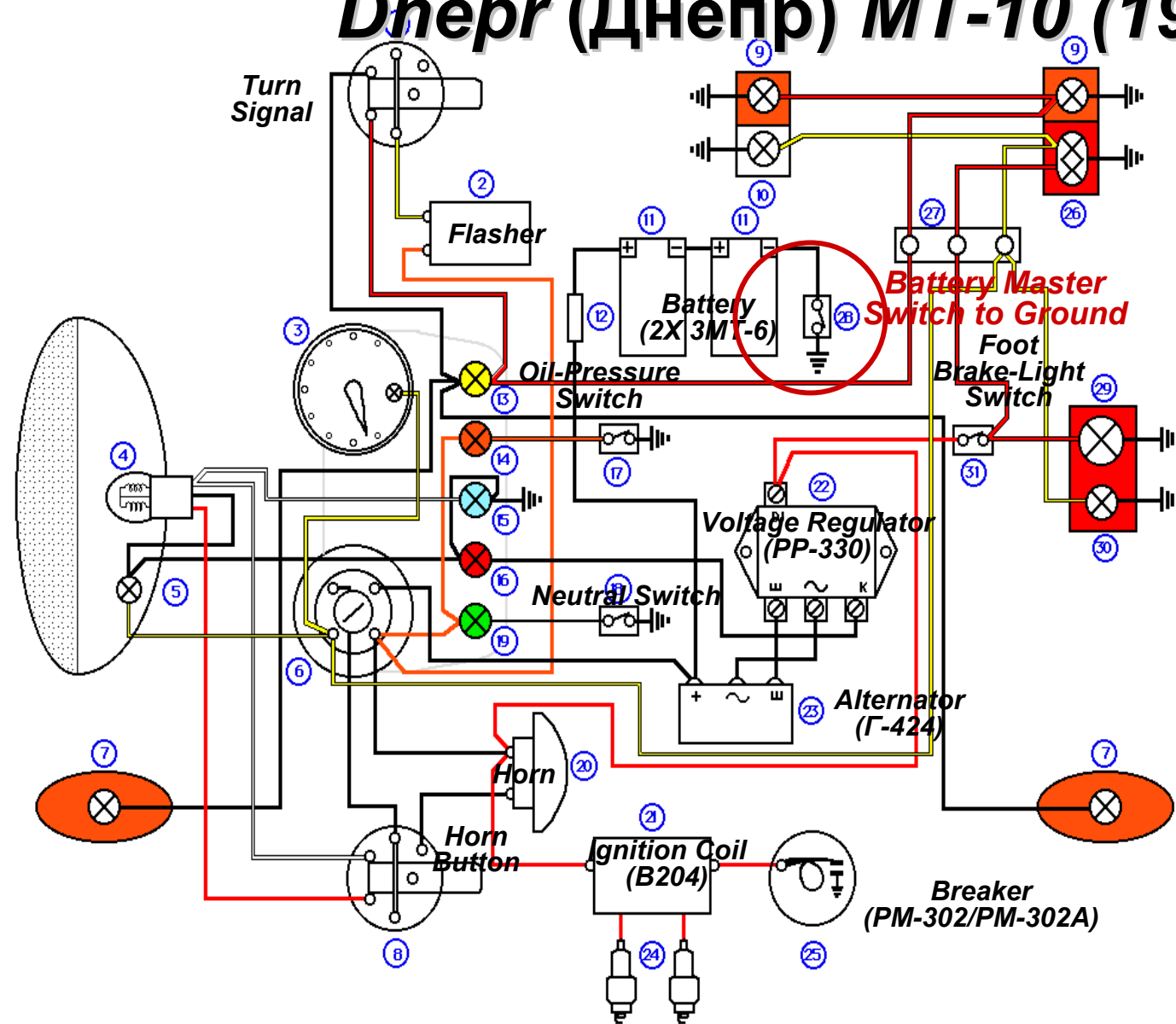
Simplified Diagram of Motorcycle Electrics



Dnepr (Днепр) Later K-650 with PP-302 Regulator, PM-302 Breaker and B201 Ignition Coil

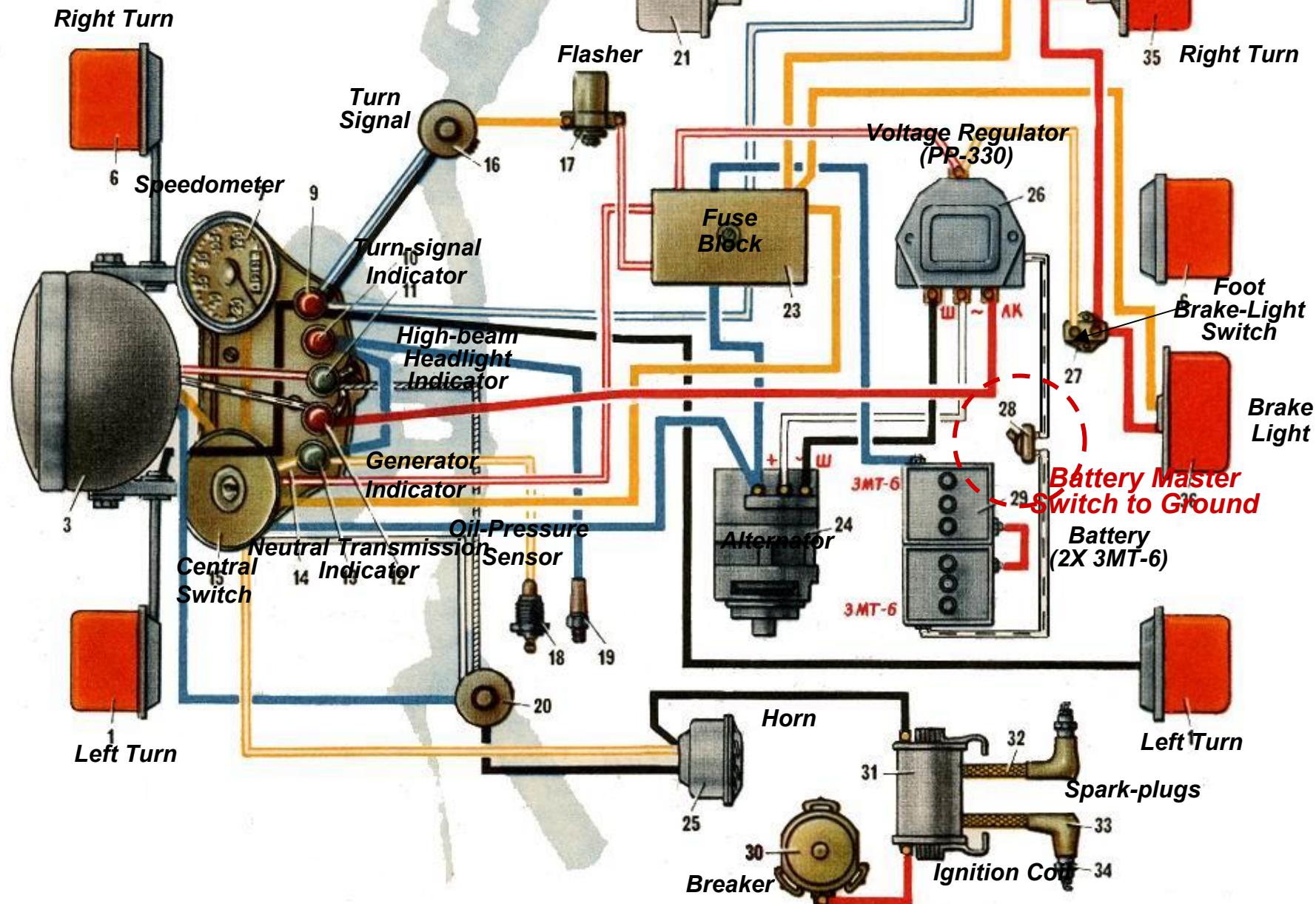


Dnepr (Днепр) MT-10 (1974)



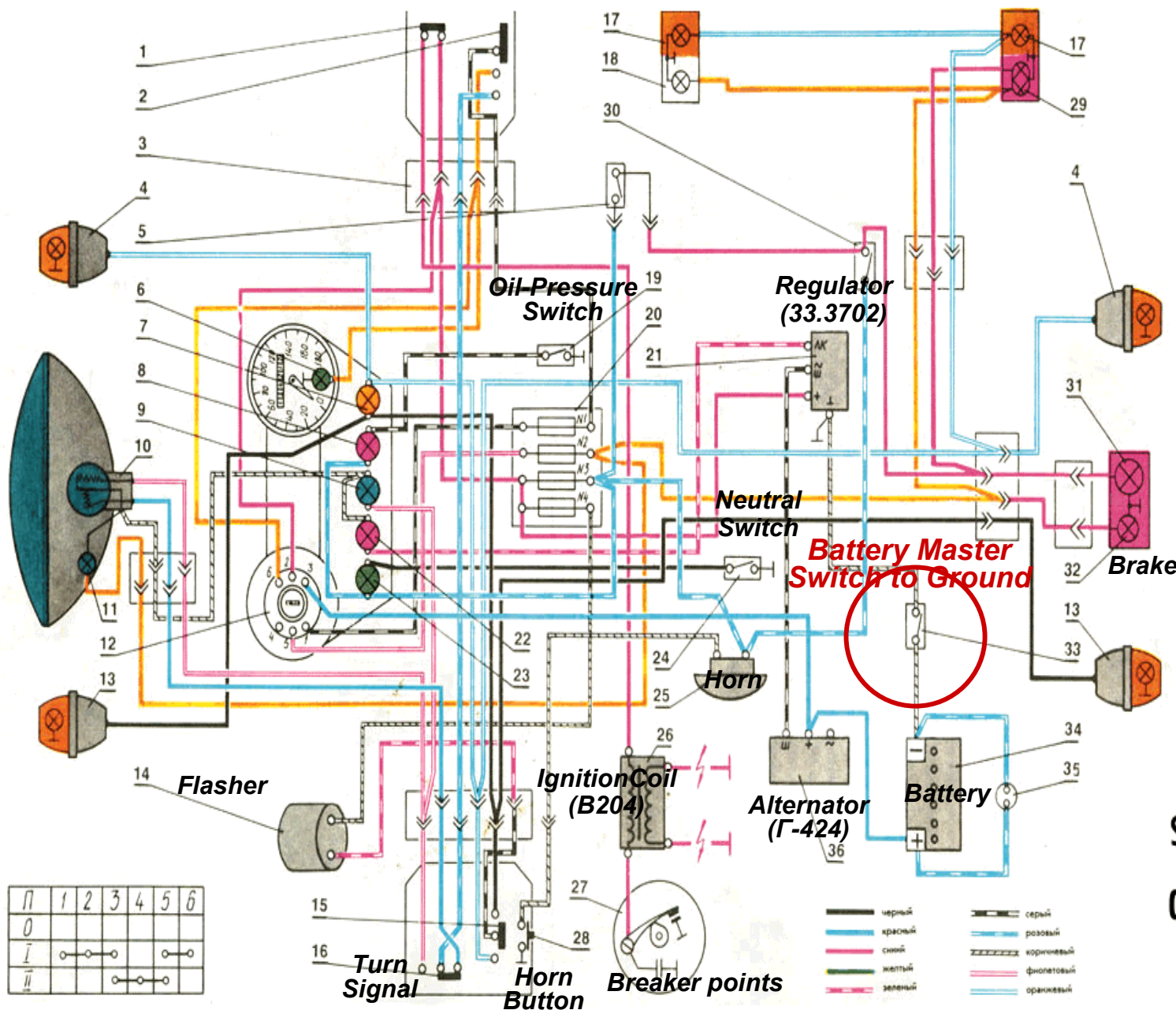
1. Turn Signal Switch
2. Turn Signal Flasher
3. Instrument Illumination
4. Headlight
5. Parking light
6. Ignition Switch
7. Front Left Turn Signal - Bike
8. High Beam Switch
9. Right Turn Signal - Sidecar
10. Front Right Turn Signal - Bike
11. Battery
12. Fuse
13. Turn Signal Indicator
14. Oil Pressure Indicator
15. High Beam Indicator
16. Charge Indicator
17. Oil Pressure Switch
18. Neutral Switch
19. Neutral Indicator
20. Horn
21. Coil
22. Voltage Regulator
23. Generator
24. Sparkplugs
25. Points/Contact Breaker
26. Rear Right Turn Signal - Bike
27. Wire Connector
28. Ground
29. Brake Light
30. Tail Light

1974 Dniepr MT-10

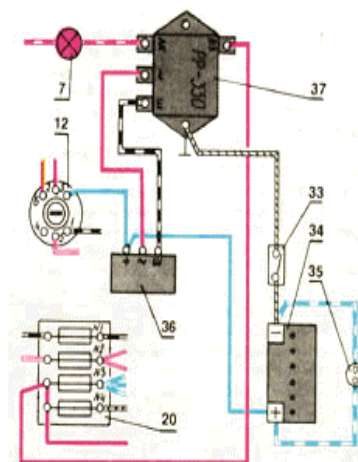


Dnepr (Днепр) MT-11, MT-14 and MT-16

(showing replacement of PP-330 Regulator with the Solid-State 33.3702)

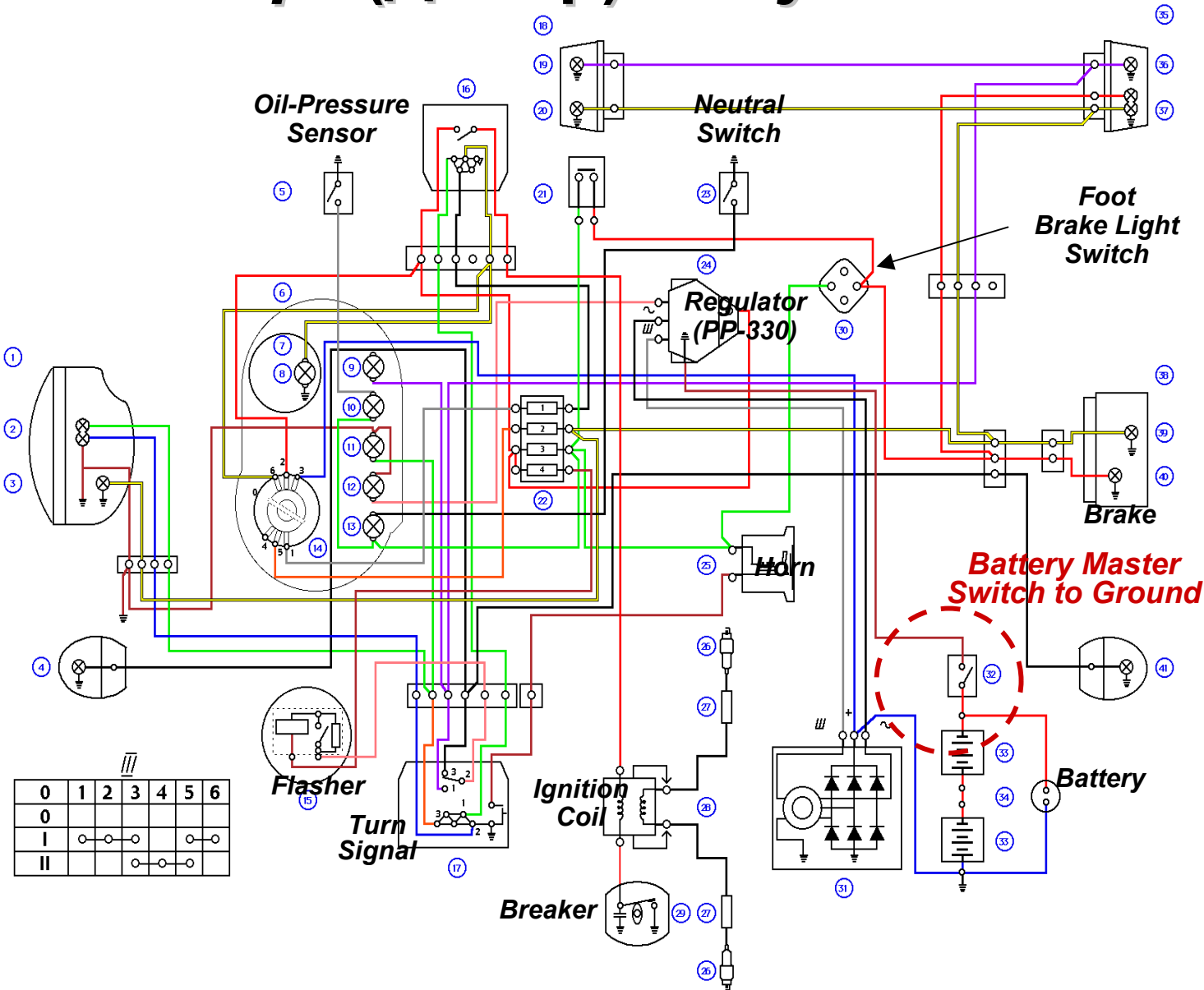


**Older Models:
PP-330**



schemat instalacji
do Dniepra MT-11,
14 i 16

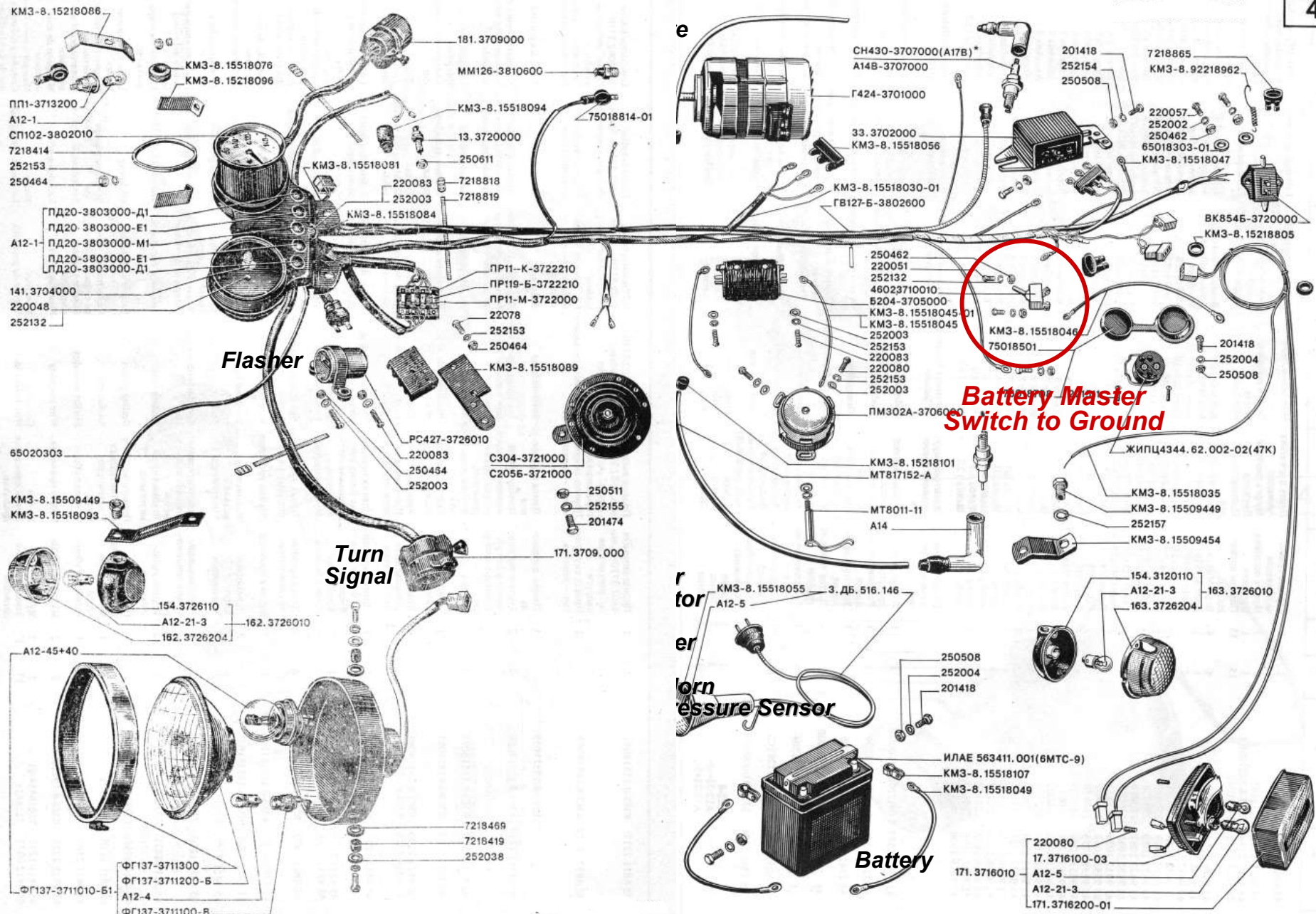
Dnepr (Днепр) Early MT-11 and MT-16



1. Headlamp
2. Hi/Lo beam bulb 45W/40W
3. Parking light
4. Left front turn signal
5. Oil pressure switch
6. Dashboard
7. Speedometer
8. Speedometer light
9. Turn signal indicator
10. Oil pressure indicator
11. High beam indicator
12. Generator indicator
13. Neutral indicator
14. Ignition switch
15. Flasher
16. Right handlebar controls
17. Left handlebar controls
18. Front sidecar lamp
19. Front left turn signal light
20. Front sidecar running light
21. Hand brake stop signal switch
22. Fuse block
23. Neutral switch
24. Voltage regulator PP330
25. Horn
26. Spark plug
27. Noise suppressor
28. Ignition coil
29. Points
30. Rear stop light switch
31. Generator
32. Battery disconnect switch
33. Storage battery
34. Socket 47K
35. Rear sidecar lamp
36. Right rear turn signal bulb
37. Sidecar position and brake light
38. Motorcycle rear lamp
39. License plate light
40. Motorcycle brake light
41. Left rear turn signal

Днепр (Днепр) MB-650, MT-11 and MT-16

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Ural (Урал) M-67 and M-67.36

(www.shematic.net/images/pages/MOTO/M67.jpg)

13. Neutral transmission indicator



6. Right Illuminated Direction Indicator



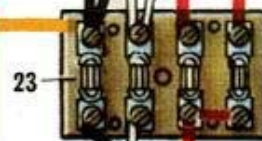
9. Turn-signal Indicator



8. Speedometer Light

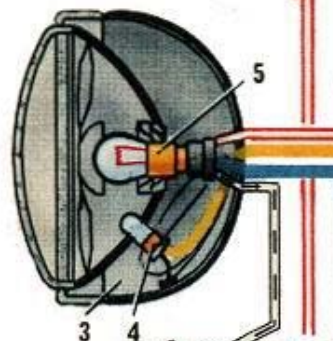


23. Fuse Block

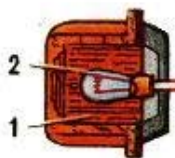


12. Generator Indicator 12

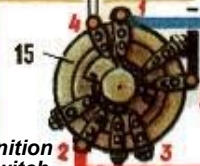
15. Central Switch



1. Left direction indicator



Ignition Switch



25. Horn



Horn Button



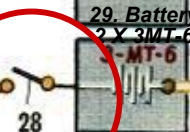
17. Flasher Unit



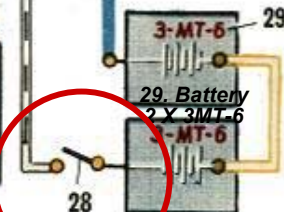
24. Alternator



Battery Master Switch to Ground



29. Battery 2 Y 3MT-6



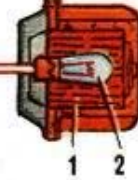
27. Foot Brake-Light Switch



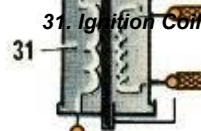
26. Regulator



1. Left direction indicator

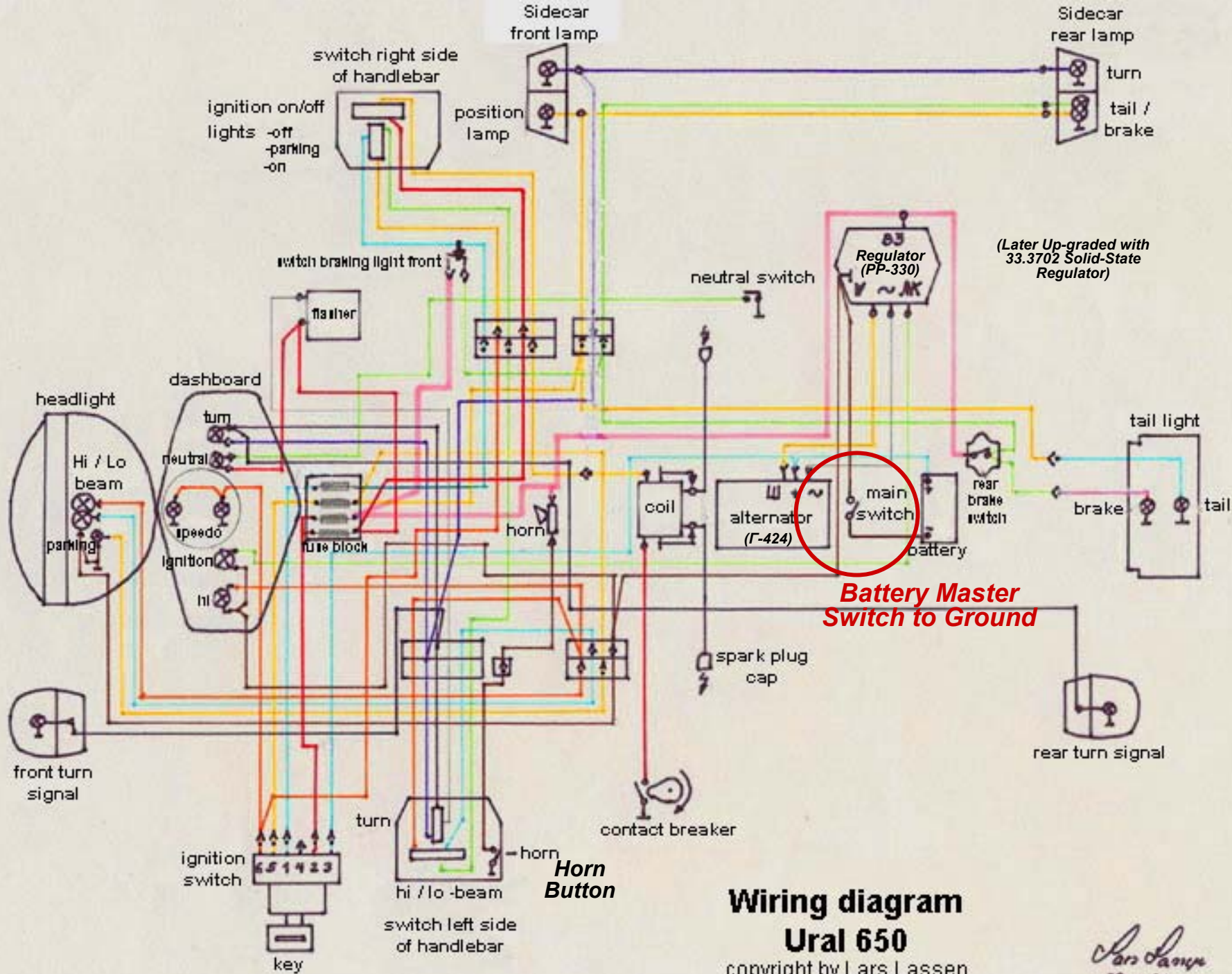


34. Spark-plugs

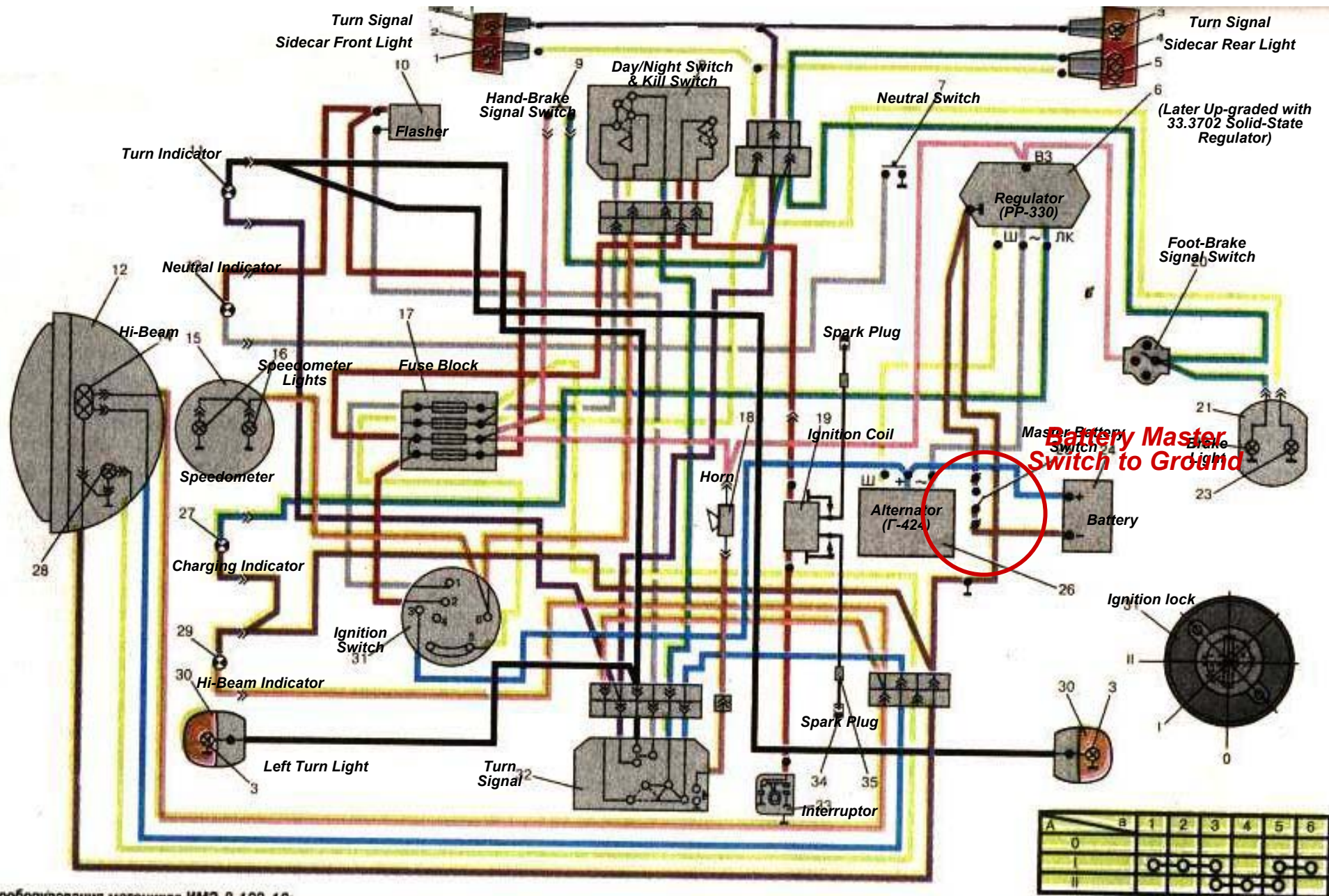


30. Breaker Points

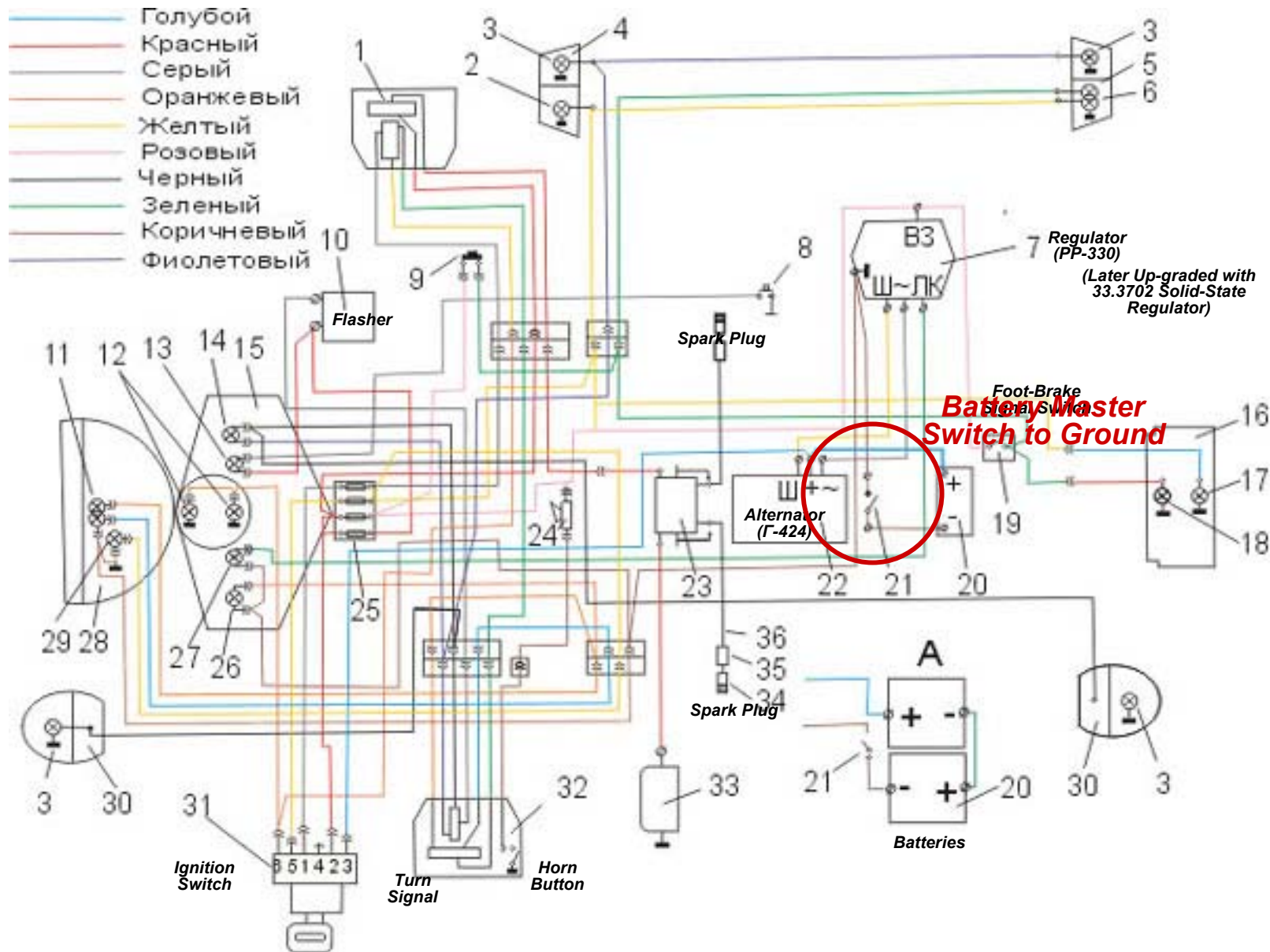




Ural (Урал) 1998 Deco Classic, Italia, Tourist, Sportsman, Solo, Utility (IMZ 8.103-10 or -40 (Deco or Tourist))

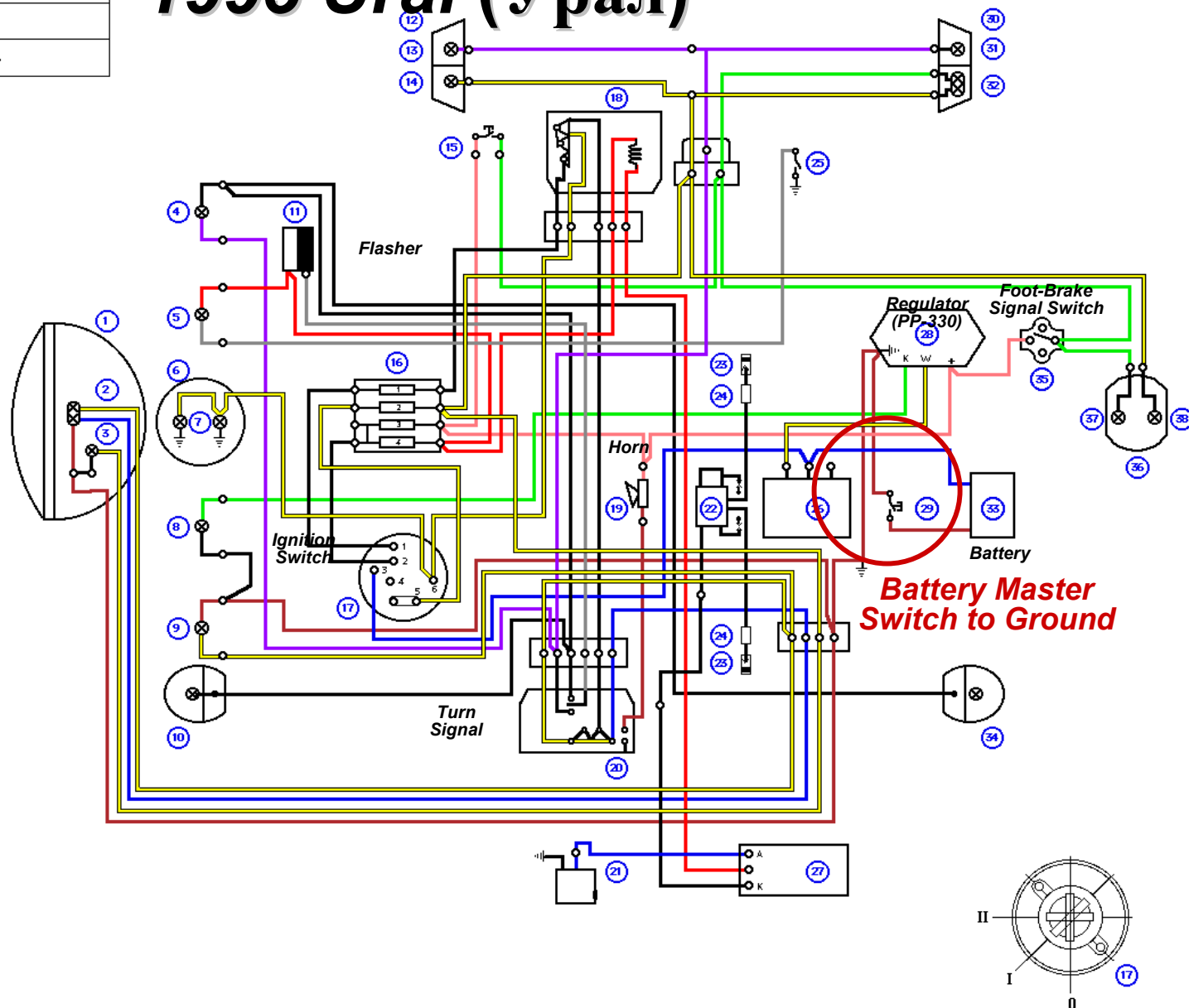


Ural (Урал) IMZ-8.103-10, 40



1995 Ural (Урал)

1. Motorcycle head lamp
2. High-low beam headlight bulb
3. Side and parking bulb in headlight
4. Turn indicator bulb
5. Neutral gear indicator bulb
6. Speedometer
7. Speedometer illumination bulb
8. Generator
9. Highbeam indicator lamp
10. Left turn indicator
11. Turn signal flasher
12. Sidecar front lamp
13. Sidecar side bulb
14. Traffic indicator bulb
15. Front brake light switch
16. Fuse plate
17. Ignition lock
18. "Day-night" switch with emergency "ignition out" switch
19. Horn
20. Light and turn indicator switch, horn button
21. Distributor
22. Induction coil
23. Spark plug
24. Spark plug cap
25. Neutral gear indicator switch
26. Generator
27. Ignition module
28. Voltage regulator
29. Earth disconnect switch
30. Sidecar rear lamp
31. Sidecar lamp
32. Sidecar side and brake bulb
33. Battery
34. Left rear turn signal
35. Foot brake signal switch
36. Motorcycle rear lamp
37. Brake light
38. Side bulb and number plate illumination bulb



A	a	1	2	3	4	5	6
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I		○	○	○		○	○
II				○	○		

Ural 750

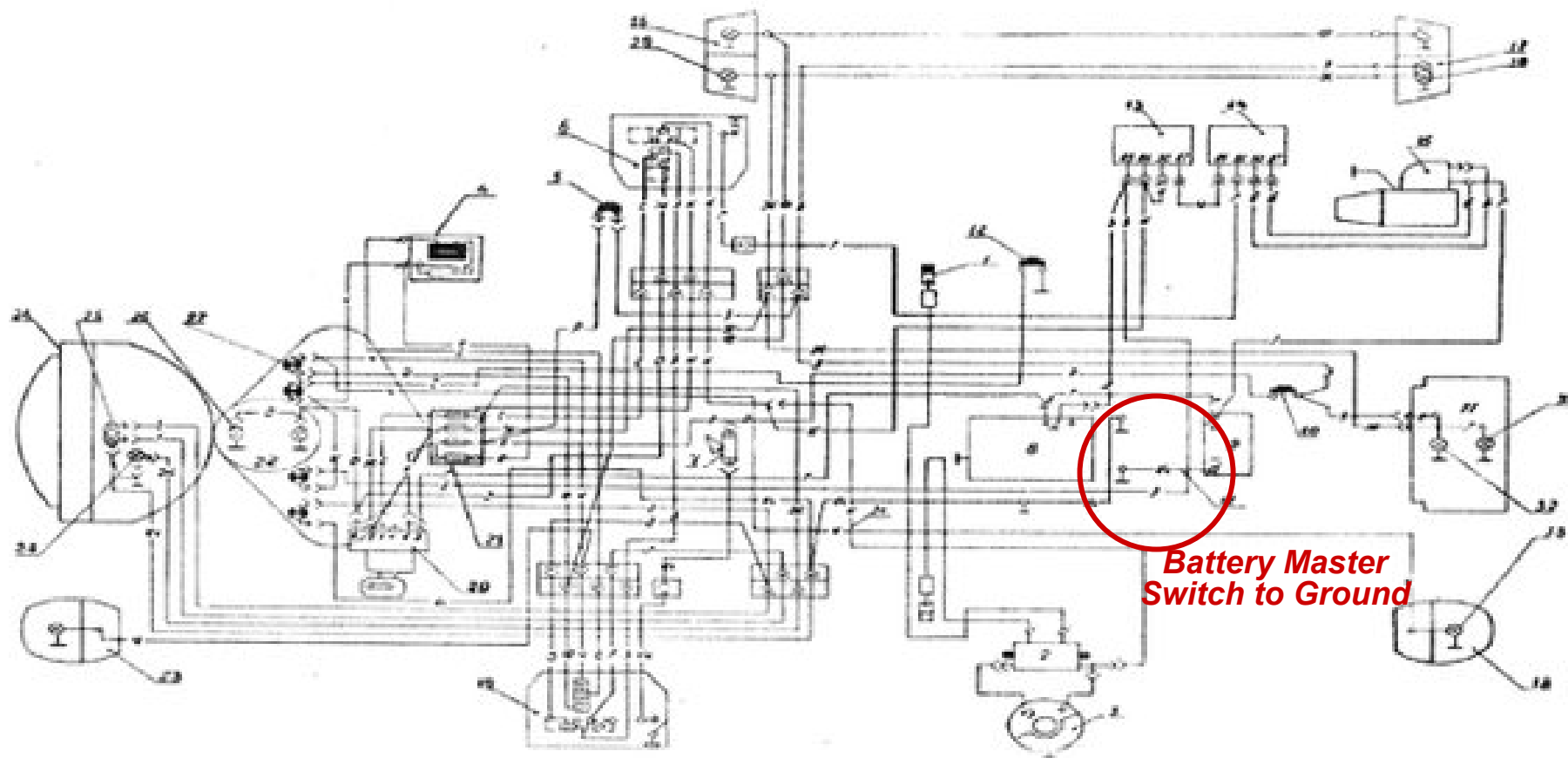


Fig.23 Electric circuit diagram

1-Spark plug; 2-Ignition coil; 3-Ignition module; 4- Turn indicator interrupter; 5-Hand brake signal switch; 6-RH switch 182.3709-10; 7- Horn; 8- Alternator; 9-Battery; 10-Brake signal switch; 11-Tail light; 12-Neutral gear contact; 13-Starter disabling relay; 14-Starter switch relay; 15-Starter; 16-sidecar light, front; 17-sidecar light, rear; 18-turn indicator, rear; 19- LH hand switch 182.3709-10; 20- Ignition lock; 21-Fuse box; 22-Speedometer; 23-Turn indicator, front; 24-headlight; 25-Lowbeam-high beam bulb; 26-Speedometer illuminating bulb; 27-Tell tales; 28-Marker and parking brake bulb; 29-sidecar marker light bulb; 30-Marker light and brake signal bulb; 31-Marker light and license plate illumination bulb; 32-Brake signal bulb; 33-Turn indicator bulb.

Color legend: O-orange; Г-blue; Ж-yellow; К- brown; Ф-violet; З-green; Ч-black; Р-Rose; К-red; Б-White.

Alternative Battery Master Switch **for 650 cm³ and 750 cm³** (www.ural-zentrale.de)

- **High-Current Switch up to 150 Ampere**
- **Normally Fitted between Battery and Ground (earth)**
- **High-performance Alternative for Dnepr / Ural Main Switch**
- **Mountable at Any Place**
- **Secures Battery against Current Leak**
- **2 Terminals M10**
- **2 Mounting Holes for M6 bolts, Spacing: 37 mm**
- **Barrel Diameter: 17 mm**
- **Total Height: 85 mm / Total Diameter: 60 mm**

