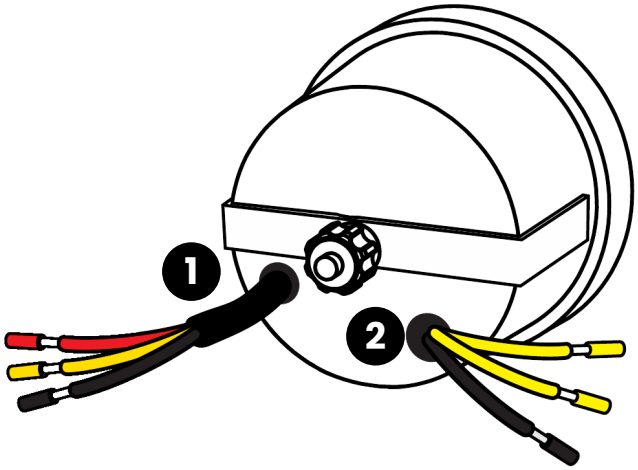
Voltmeter – 52 mm

12V Stepper Motor Gauge · 8–16 Volt Scale

The voltmeter shows the voltage of your electrical system. It has two wiring harnesses (whips): **Whip 1** for power, and **Whip 2** for lighting.



Shown: Part No. 311018903BKR (8–16 V)



Back of gauge

1 Whip 1 – Power

Wire	Connect to
Red	Battery +12V (constant power)
Yellow	+12V from ignition (switched; hot only with the key on)
Black	Ground

2 Whip 2 – Lighting

Wire	Connect to
Black	Ground
Yellow or white	Terminal 58 from the headlight switch (instrument lighting)
Yellow or white	Backup LED: leave unconnected until the main LED fails

Important: the **red** wire must be connected to constant 12V battery power and the **yellow** wire to switched (keyed) 12V power for the gauge to work properly.

Reading the gauge: with the engine off, a healthy battery reads about 12 to 12.6 volts. With the engine running and the charging system working, expect roughly 13.5 to 14.5 volts. Readings well below or above that range point to a charging system problem.