



Developed in conjunction with Purkeys Fleet Electric





Auto Meter Products Inc.

413 West Elm Street Sycamore, IL 60178

Service (815) 899-0801 Toll Free (866)-883-TEST (8378)

www.autometer.com/test

AC-69 Trailer Dual Pole Circuit Voltage Drop Testing Guide

2650-1735-00 7/31/13

CONTENTS

LIMITED WARRANTY

TRAILER DUAL POLE CIRCUIT VOLTAGE DROP TESTING

Charging and Motor Diagram	3
Charging Circuit (Complete Test)	4
Charging Circuit (Legs of Circuit Test)	
Motor Circuit (Complete Test)	8
Motor Circuit (Legs of Circuit Test)	
Warranty	15
Contact Information	

12 MONTHS FROM DATE OF PURCHASE

The manufacturer warrants to the consumer that this product will be free from defects in material or workmanship for a period of twelve (12) months from the date of original purchase.

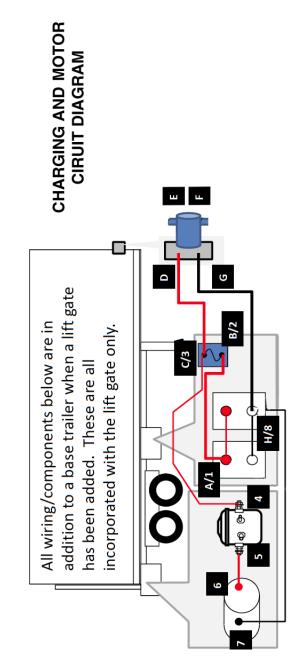
Products that fail within this 12 month warranty period will be repaired or replaced at the manufacturer's option to the consumer, when determined by the manufacturer that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of parts and the necessary labor by the manufacturer to effect the repair or replacement of the product. In no event shall the manufacturer be responsible for special, incidental or consequential damages or costs incurred due to the failure of this product.

Improper use, accident, water damage, abuse, unauthorized repairs or alterations voids this warranty. The manufacturer disclaims any liability or consequential damages due to breach of any written or implied warranty on its test equipment.

WARRANTY AND SERVICE INFORMATION

Warranty claims to the manufacturer's service department must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser and is non-transferable. Shipper damage incurred during return shipments is not covered under this warranty. It is the responsibility of the shipper (the customer returning the Test Equipment) to package the tester properly to prevent any damage during return shipment. Repair costs for such damages will be charged back to shipper (customer returning the Test Equipment). Protect the product by shipping in original carton or add plenty of over-pack cushioning such as crumpled up newspaper.

2 15



Charging Circuit

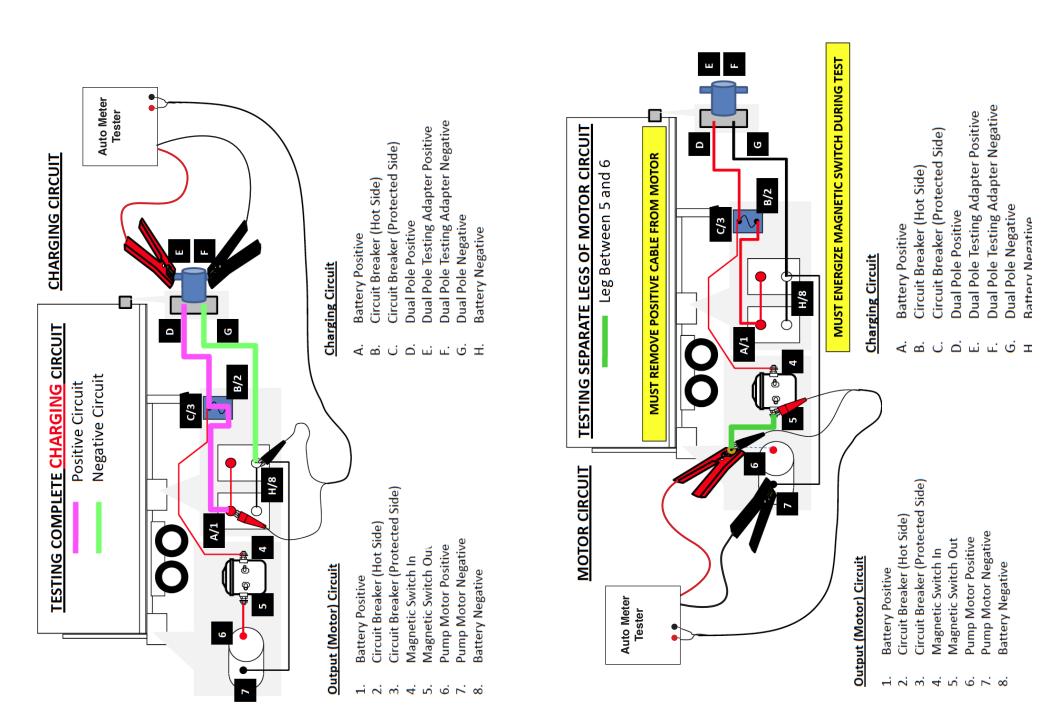
- **Battery Positive**
- Circuit Breaker (Hot Side) В.
- Circuit Breaker (Protected Side) D.
 - **Dual Pole Positive**
- **Dual Pole Testing Adapter Positive** ند
- Dual Pole Testing Adapter Negative

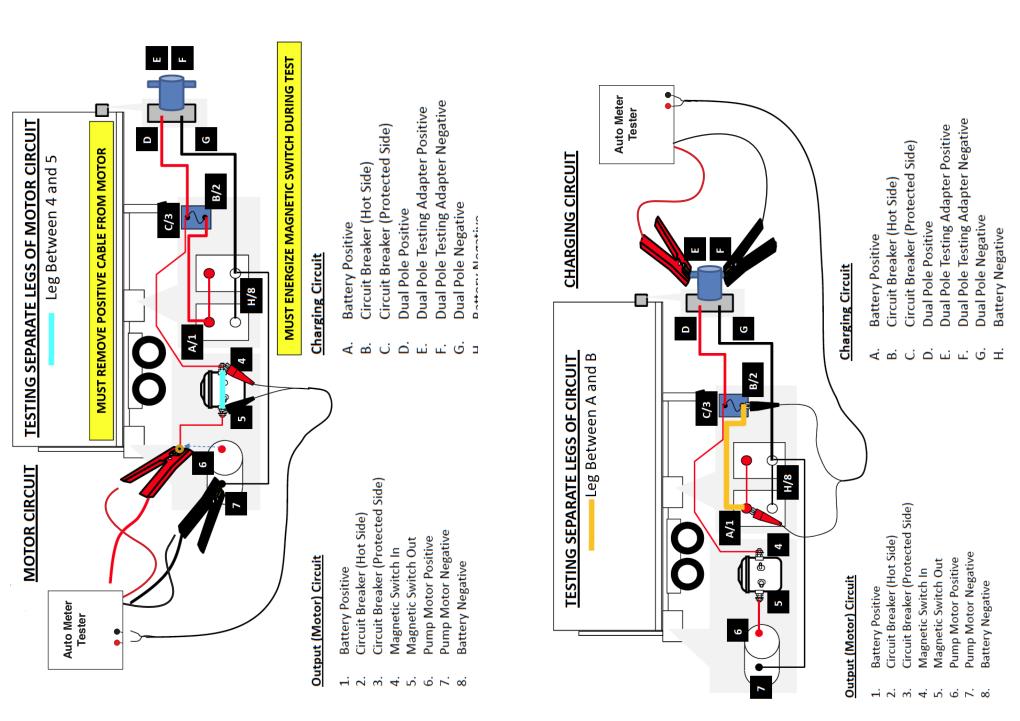
ш.

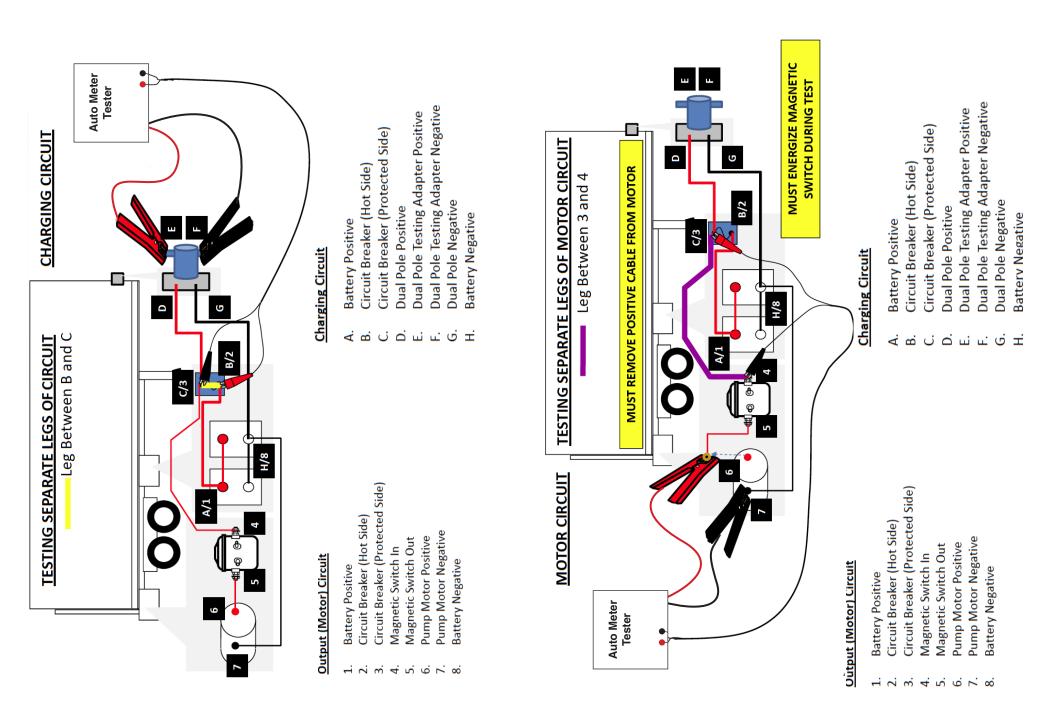
- **Dual Pole Negative** 6.
 - **Battery Negative**

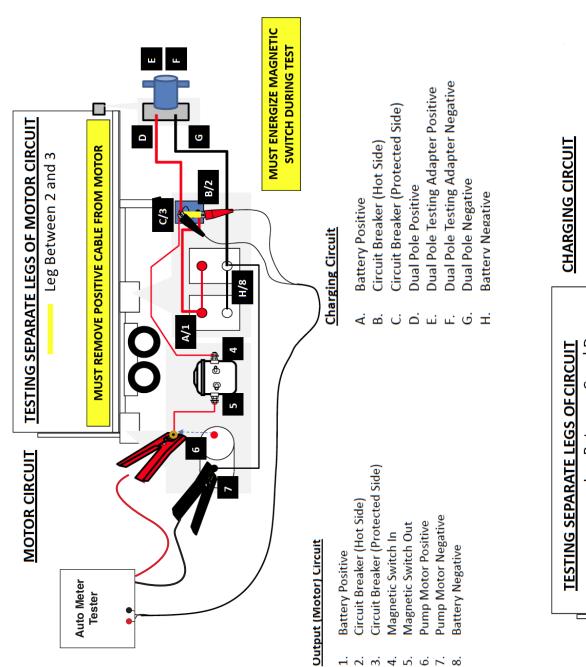
- **Battery Positive**
- Circuit Breaker (Protected Side) Circuit Breaker (Hot Side)
 - Magnetic Switch Out Magnetic Switch In 4.
- Pump Motor Positive 6.
- Pump Motor Negative Battery Negative

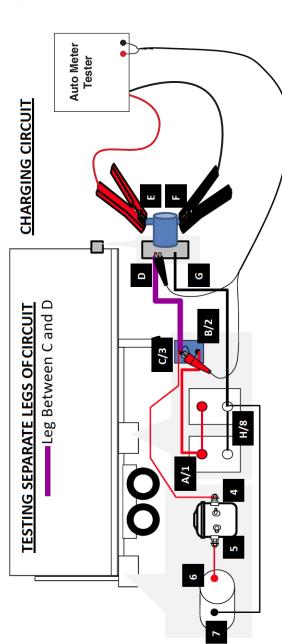
3











Output (Motor) Circuit

- Circuit Breaker (Hot Side) **Battery Positive**
- Circuit Breaker (Protected Side) 3.
 - Magnetic Switch In
 - Magnetic Switch Out 4. 5.
- Pump Motor Positive

Battery Negative

Pump Motor Negative 6.

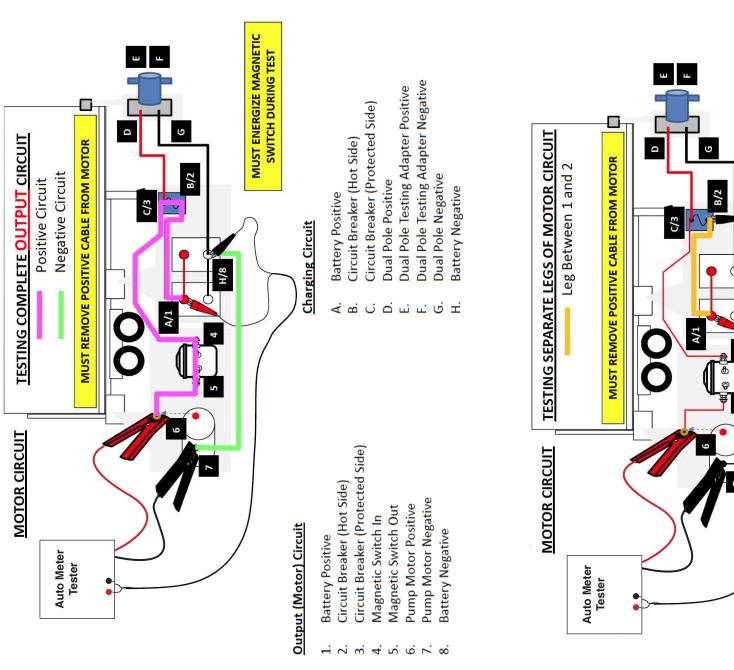
Battery Positive

Charging Circuit

Circuit Breaker (Hot Side)

Β. Ċ.

- Circuit Breaker (Protected Side)
 - **Dual Pole Positive** D. ij.
- **Dual Pole Testing Adapter Positive**
- Dual Pole Testing Adapter Negative Ľ.
 - **Dual Pole Negative** G.
 - Battery Negative



MUST ENERGIZE MAGNETIC SWITCH DURING TEST Charging Circuit Output (Motor) Circuit

- Circuit Breaker (Hot Side) **Battery Positive**
- Circuit Breaker (Protected Side)
- Magnetic Switch In
- Magnetic Switch Out
- Pump Motor Negative **Pump Motor Positive**

Battery Negative

- **Battery Positive**
- Circuit Breaker (Protected Side) Circuit Breaker (Hot Side)
- **Dual Pole Positive**

Ö. نیا

- **Dual Pole Testing Adapter Negative Dual Pole Testing Adapter Positive**
 - **Dual Pole Negative**

G.

Rattery Negative