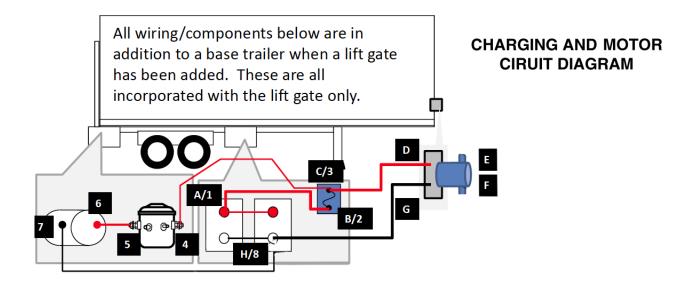




Developed in conjunction with Purkeys Fleet Electric



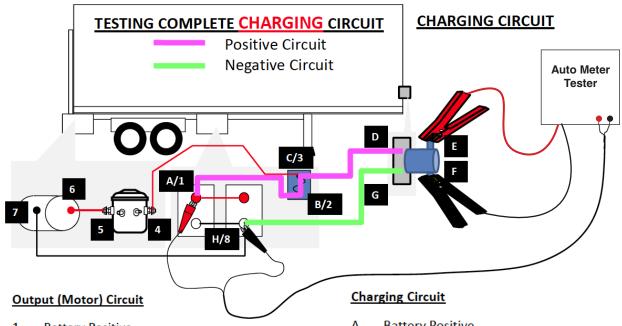
AC-69 Trailer Dual Pole Circuit Voltage Drop Testing Guide



Output (Motor) Circuit

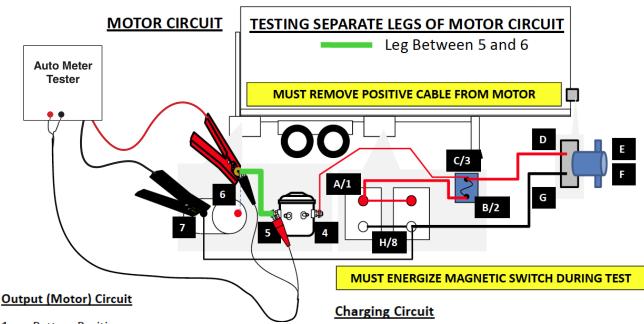
- 1. Battery Positive
- 2. Circuit Breaker (Hot Side)
- 3. Circuit Breaker (Protected Side)
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- 6. Pump Motor Positive
- 7. Pump Motor Negative
- 8. Battery Negative

- A. Battery Positive
- B. Circuit Breaker (Hot Side)
- C. Circuit Breaker (Protected Side)
- D. Dual Pole Positive
- E. Dual Pole Testing Adapter Positive
- F. Dual Pole Testing Adapter Negative
- G. Dual Pole Negative
- H. Battery Negative



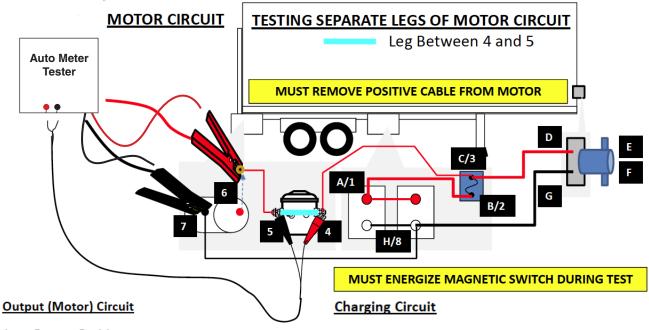
- **Battery Positive** 1.
- 2. Circuit Breaker (Hot Side)
- 3. Circuit Breaker (Protected Side)
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- 6. **Pump Motor Positive**
- 7. **Pump Motor Negative**
- 8. **Battery Negative**

- Α. **Battery Positive**
- В. Circuit Breaker (Hot Side)
- C. Circuit Breaker (Protected Side)
- D. **Dual Pole Positive**
- E. **Dual Pole Testing Adapter Positive**
- F. **Dual Pole Testing Adapter Negative**
- G. **Dual Pole Negative**
- **Battery Negative**



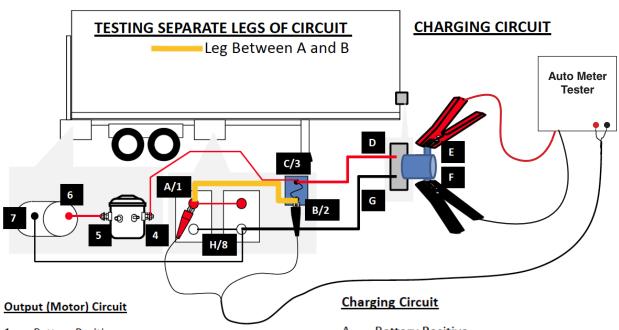
- **Battery Positive** 1.
- Circuit Breaker (Hot Side) 2.
- 3. Circuit Breaker (Protected Side)
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- 6. **Pump Motor Positive**
- 7. **Pump Motor Negative**
- 8. **Battery Negative**

- Α. **Battery Positive**
- B. Circuit Breaker (Hot Side)
- C. Circuit Breaker (Protected Side)
- D. **Dual Pole Positive**
- E. **Dual Pole Testing Adapter Positive**
- F. **Dual Pole Testing Adapter Negative**
- G. **Dual Pole Negative**
- Rattery Negative



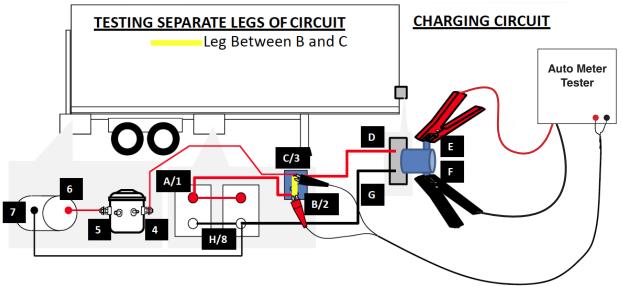
- 1. Battery Positive
- 2. Circuit Breaker (Hot Side)
- 3. Circuit Breaker (Protected Side)
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- 6. Pump Motor Positive
- 7. Pump Motor Negative
- 8. Battery Negative

- A. Battery Positive
- B. Circuit Breaker (Hot Side)
- C. Circuit Breaker (Protected Side)
- D. Dual Pole Positive
- E. Dual Pole Testing Adapter Positive
- F. Dual Pole Testing Adapter Negative
- G. Dual Pole Negative
- L Dattory Mogative



- 1. Battery Positive
- 2. Circuit Breaker (Hot Side)
- 3. Circuit Breaker (Protected Side)
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- 6. Pump Motor Positive
- 7. Pump Motor Negative
- 8. Battery Negative

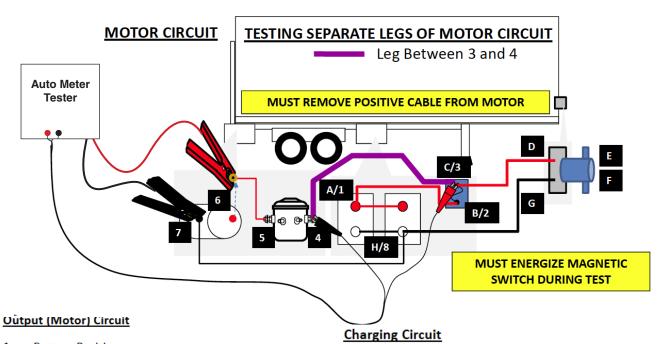
- A. Battery Positive
- B. Circuit Breaker (Hot Side)
- C. Circuit Breaker (Protected Side)
- D. Dual Pole Positive
- E. Dual Pole Testing Adapter Positive
- F. Dual Pole Testing Adapter Negative
- G. Dual Pole Negative
- H. Battery Negative



Output (Motor) Circuit

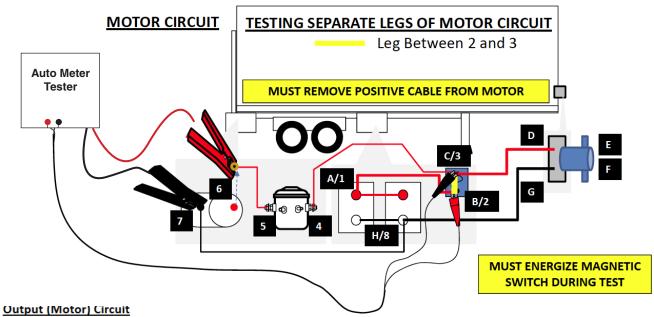
- **Battery Positive** 1.
- 2. Circuit Breaker (Hot Side)
- Circuit Breaker (Protected Side) 3.
- Magnetic Switch In 4.
- 5. Magnetic Switch Out
- 6. **Pump Motor Positive**
- 7. **Pump Motor Negative**
- **Battery Negative** 8.

- Α. **Battery Positive**
- В. Circuit Breaker (Hot Side)
- C. Circuit Breaker (Protected Side)
- D. **Dual Pole Positive**
- E. **Dual Pole Testing Adapter Positive**
- F. **Dual Pole Testing Adapter Negative**
- G. **Dual Pole Negative**
- H. **Battery Negative**



- **Battery Positive** 1.
- Circuit Breaker (Hot Side) 2.
- 3. Circuit Breaker (Protected Side)
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- 6. **Pump Motor Positive**
- 7. **Pump Motor Negative**
- 8. **Battery Negative**

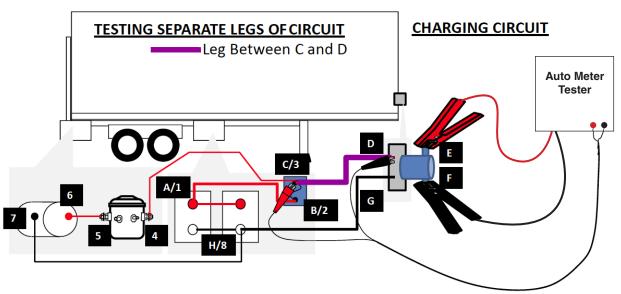
- **Battery Positive** Α.
- В. Circuit Breaker (Hot Side)
- C. Circuit Breaker (Protected Side)
- D. **Dual Pole Positive**
- E. **Dual Pole Testing Adapter Positive**
- F. **Dual Pole Testing Adapter Negative**
- G. **Dual Pole Negative**
- H. **Battery Negative**



- 1. Battery Positive
- 2. Circuit Breaker (Hot Side)
- 3. Circuit Breaker (Protected Side)
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- 6. Pump Motor Positive
- 7. Pump Motor Negative
- 8. Battery Negative

Charging Circuit

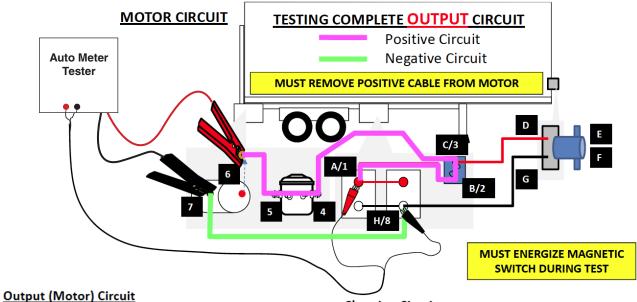
- A. Battery Positive
- B. Circuit Breaker (Hot Side)
- C. Circuit Breaker (Protected Side)
- D. Dual Pole Positive
- E. Dual Pole Testing Adapter Positive
- F. Dual Pole Testing Adapter Negative
- G. Dual Pole Negative
- H. Battery Negative



Output (Motor) Circuit

- 1. Battery Positive
- Circuit Breaker (Hot Side)
- 3. Circuit Breaker (Protected Side)
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- 6. Pump Motor Positive
- 7. Pump Motor Negative
- 8. Battery Negative

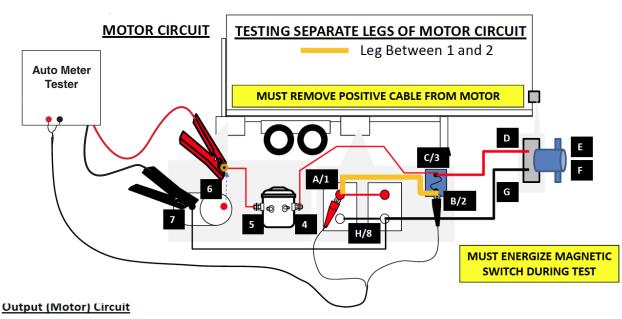
- A. Battery Positive
- B. Circuit Breaker (Hot Side)
- C. Circuit Breaker (Protected Side)
- D. Dual Pole Positive
- E. Dual Pole Testing Adapter Positive
- F. Dual Pole Testing Adapter Negative
- G. Dual Pole Negative
- H. Battery Negative



- 1. **Battery Positive**
- Circuit Breaker (Hot Side) 2.
- 3. Circuit Breaker (Protected Side)
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- 6. **Pump Motor Positive**
- 7. **Pump Motor Negative**
- 8. **Battery Negative**

Charging Circuit

- Α. **Battery Positive**
- В. Circuit Breaker (Hot Side)
- C. Circuit Breaker (Protected Side)
- **Dual Pole Positive** D.
- E. **Dual Pole Testing Adapter Positive**
- F. **Dual Pole Testing Adapter Negative**
- G. **Dual Pole Negative**
- Н. **Battery Negative**



- 1. **Battery Positive**
- Circuit Breaker (Hot Side) 2.
- Circuit Breaker (Protected Side) 3.
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- **Pump Motor Positive** 6.
- 7. Pump Motor Negative
- **Battery Negative** 8.

- Α. **Battery Positive**
- В. Circuit Breaker (Hot Side)
- C. Circuit Breaker (Protected Side)
- D. **Dual Pole Positive**
- E. **Dual Pole Testing Adapter Positive**
- F. **Dual Pole Testing Adapter Negative**
- G. **Dual Pole Negative**
- Rattery Negative