

Developed in conjunction with Purkeys Fleet Electric



AC-68 Trailer Single Pole Circuit Voltage Drop Testing Guide



Output (Motor) Circuit

- 1. **Battery Positive**
- Circuit Breaker (Hot Side) 2.
- Circuit Breaker (Protected Side) 3.
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- 6. **Pump Motor Positive**
- 7. **Pump Motor Negative**
- Frame Rail Motor Ground Connection 8.
- Frame Rail Battery Ground Connection 9.
- 10. **Battery Negative**

Charging Circuit

- Α. **Battery Positive**
- Β. Circuit Breaker (Hot Side)
- Circuit Breaker (Protected Side) C.
- Single Pole Positive D.
- Single Pole Testing Adapter Positive Ε.
- F. Trailer Frame At Front Of Trailer
- G. Frame Rail Battery Ground Connection
- Н. **Battery Negative**



- 2. Circuit Breaker (Hot Side)
- 3. Circuit Breaker (Protected Side)
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- 7. Pump Motor Negative
- Frame Rail Motor Ground Connection 8.
- 9. Frame Rail Battery Ground Connection
- 10. Battery Negative
- Single Pole Positive D.
- Ε. Single Pole Testing Adapter Positive
- Trailer Frame At Front Of Trailer F. G. Frame Rail Battery Ground Connection
- **Battery Negative**
- Н.



Output (Motor) Circuit

- **Battery** Positive 1.
- Circuit Breaker (Hot Side) 2.
- 3. Circuit Breaker (Protected Side)
- Magnetic Switch In 4.
- 5. Magnetic Switch Out
- **Pump Motor Positive** 6.
- 7. Pump Motor Negative
- Frame Rail Motor Ground Connection 8.
- Frame Rail Battery Ground Connection 9
- 10. Battery Negative

- Α. **Battery Positive**
- Circuit Breaker (Hot Side) Β.
- Circuit Breaker (Protected Side) C.
- Single Pole Positive D.
- Single Pole Testing Adapter Positive Ε.
- Trailer Frame At Front Of Trailer F.
- G. Frame Rail Battery Ground Connection
- **Battery Negative** н.



н. **Battery Negative**



4. Magnetic Switch In Magnetic Switch Out 5.

1.

2.

3.

- 9. Frame Rail Battery Ground Connection
- 10. **Battery Negative**

- Trailer Frame At Front Of Trailer
- F.
- Frame Rail Battery Ground Connection G.

F

Battery Negative Η.



- Circuit Breaker (Protected Side)
 Circuit Breaker (Protected Side)
- 4. Magnetic Switch In
- 5. Magnetic Switch Out
- 8. Frame Rail Motor Ground Connection
- 9. Frame Rail Battery Ground Connection
- 10. Battery Negative

- E. Single Pole Testing Adapter Positive
- F. Trailer Frame At Front Of Trailer
- G. Frame Rail Battery Ground Connection
- H. Battery Negative



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. Frame Rail Motor Ground Connection
- 9. Frame Rail Battery Ground Connection
- 10. Battery Negative

- A. Battery Positive
- B. Circuit Breaker (Hot Side)
- C. Circuit Breaker (Protected Side)
- D. Single Pole Positive
- E. Single Pole Testing Adapter Positive
- F. Trailer Frame At Front Of Trailer
- G. Frame Rail Battery Ground Connection
- H. Battery Negative



- Magnetic Switch In 4.
- 5. Magnetic Switch Out
- Frame Rail Battery Ground Connection 9.
- 10. Battery Negative

- Single Pole Testing Adapter Positive E.
- F. Trailer Frame At Front Of Trailer
- Frame Rail Battery Ground Connection G.
- **Battery Negative** Н.