

# Load Testing A Battery E30 and D40 Series



# Load Testing A Battery

- You will need a Digital Volt Ohm Meter



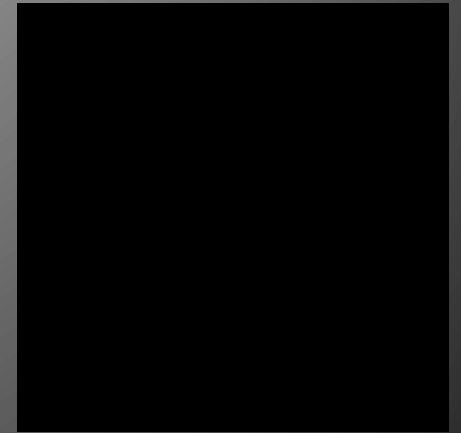
**BIG JOE**

# Load Testing A Battery

- **2 Jumper Wires with Alligator Clips on each end**



1. Turn the Key Switch off, remove cover (s) as needed, this will provide access to the batteries



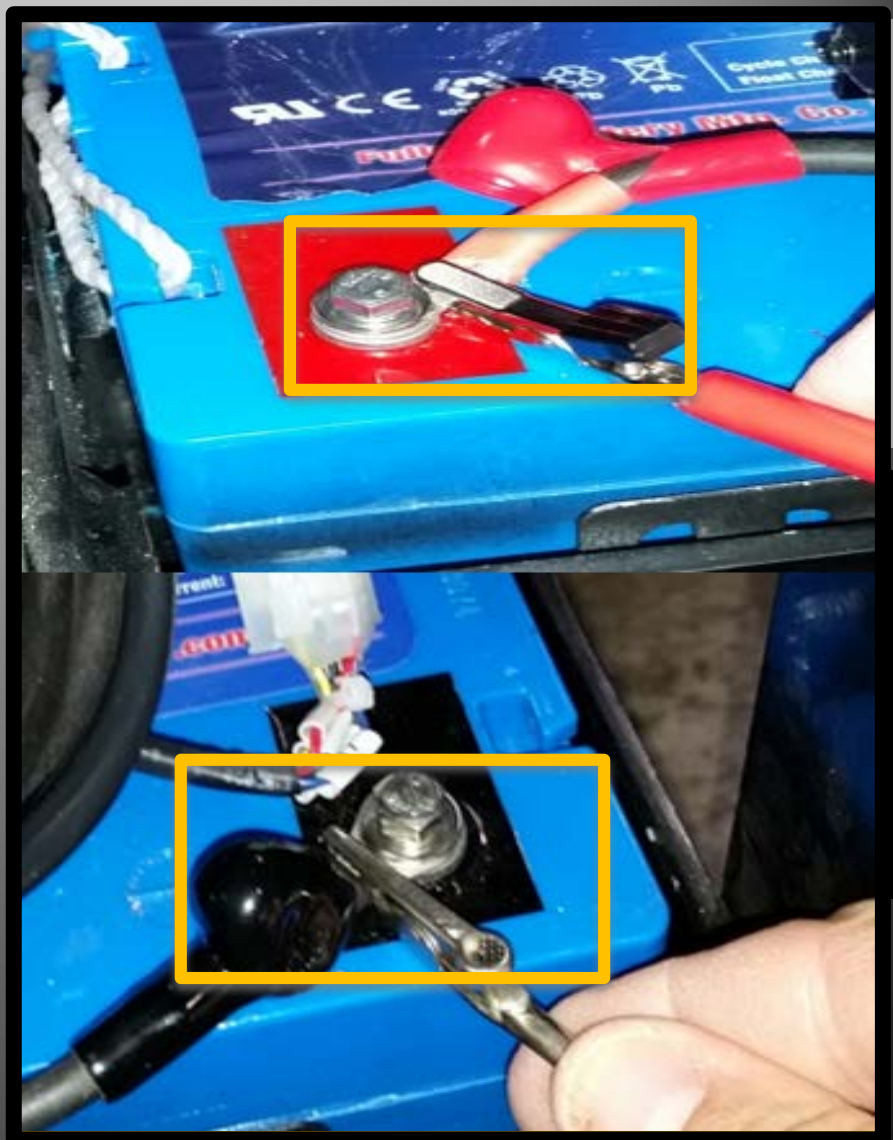
2. Once the Cover (s) have been removed pull back the rubber post covers from the Main Positive & Negative Battery Post



3. Connect the jumper wires to the Positive and Negative on the Multimeter lead ends



4. Connect the other end of the jumper wire to the Main Battery Positive & Negative terminal ends by sliding it under the eyelet next to the battery post



5. Get a heavy object to be able to operate the lift pump to load test the batteries



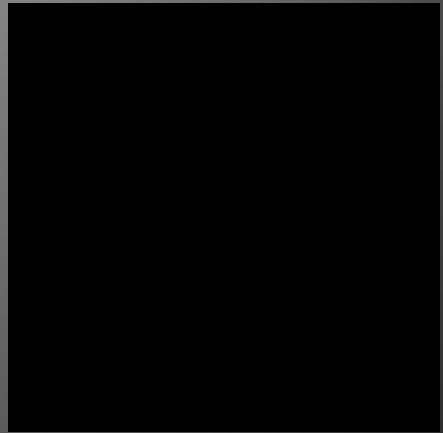


6. Set the meter to the 200 Volt D/C



6. Note your Static Battery Voltage

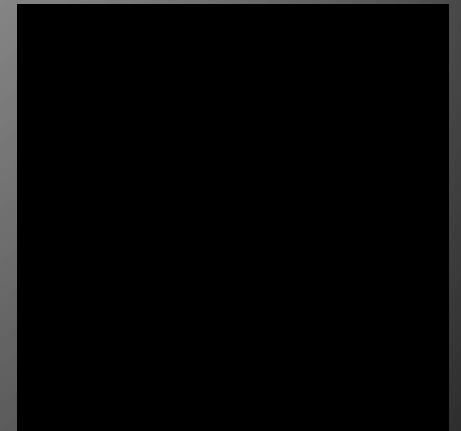
A general rule of thumb a Maximum of 10% voltage drop under load



6. Note (write your Static Battery Voltage down)

The rule of thumb is a Maximum voltage drop of 10% under load (example  $25.0 \times 0.10 = 2.5$ )

7. Lift the load and note the meter reading at it smallest number



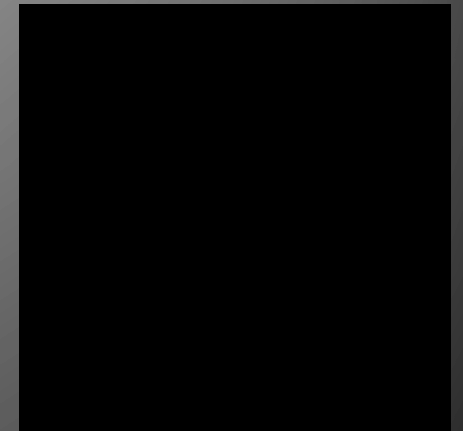
6. Note (write your Static Battery Voltage down)

The rule of thumb is a Maximum voltage drop of 10% under load  
(example  $25.0 \times 0.10 = 2.5$ )

7. Lift the load and note the meter reading at it smallest number

8. Subtract your Load test voltage from the Static voltage (  $25.0 - 24.4 = .6$  ),  
This will give you your voltage drop (.6 )

This example would indicate the batteries are OK



THANK  
YOU