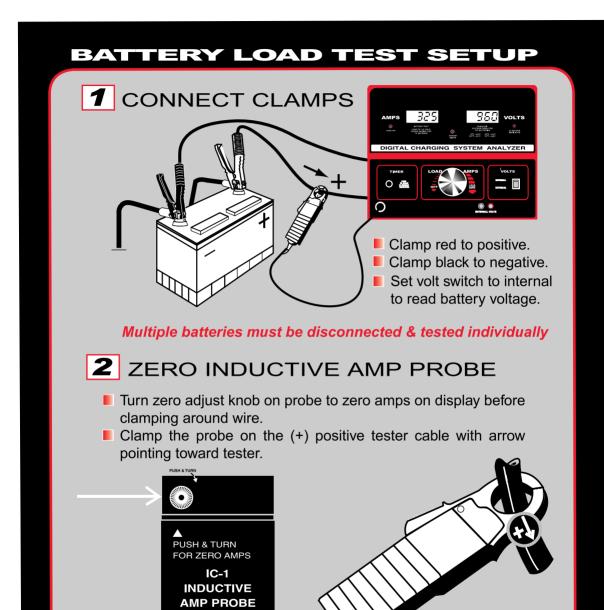
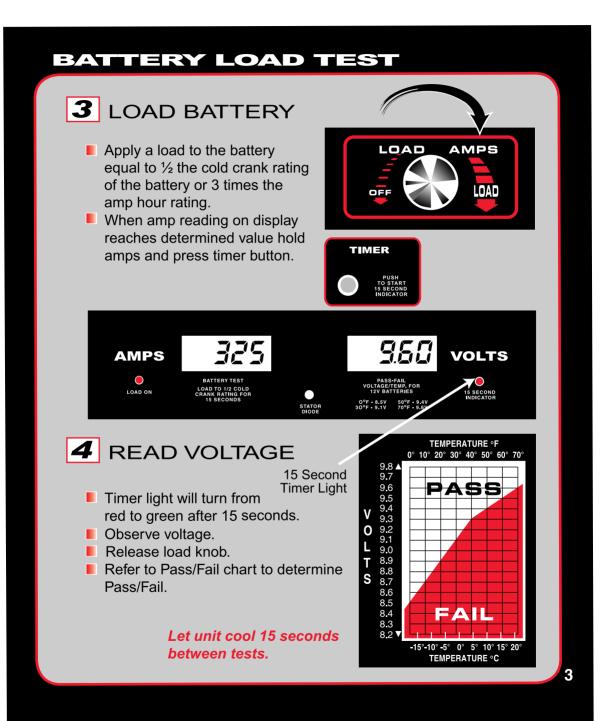


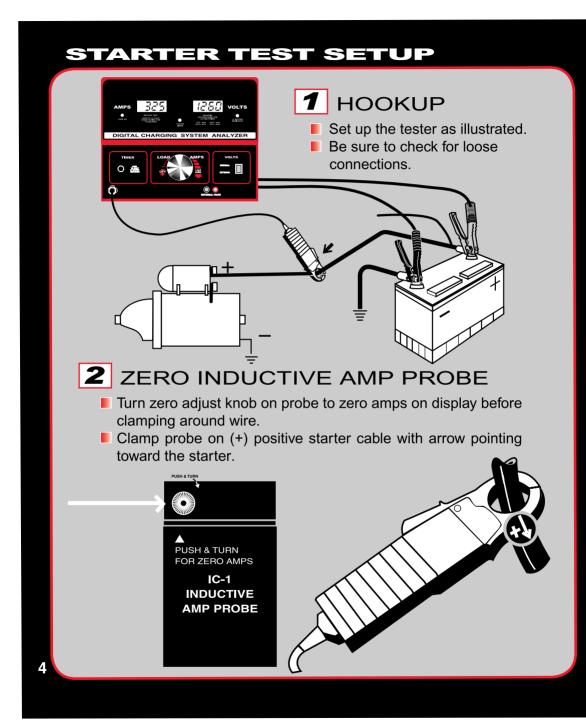
to 1/2 cold cranking amps for 5 seconds



Auto Meter TEST EQUIPMENT 2511-514

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### STARTER DRAW TEST

## **1** DISABLE IGNITION

- DIESEL: Disconnect fuel shut-off solenoid.
- STANDARD and ELECTRONIC IGNITIONS: Check with manufactures specifications or proper ignition disabling.

### **2** SET VOLT SWITCH

Set Volt switch to INTERNAL.

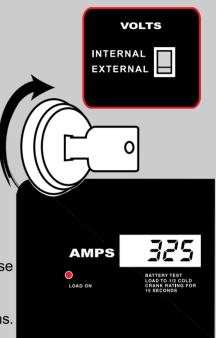
# **3** CRANK ENGINE

- Crank engine for about three seconds.
- Observe amp reading while cranking.

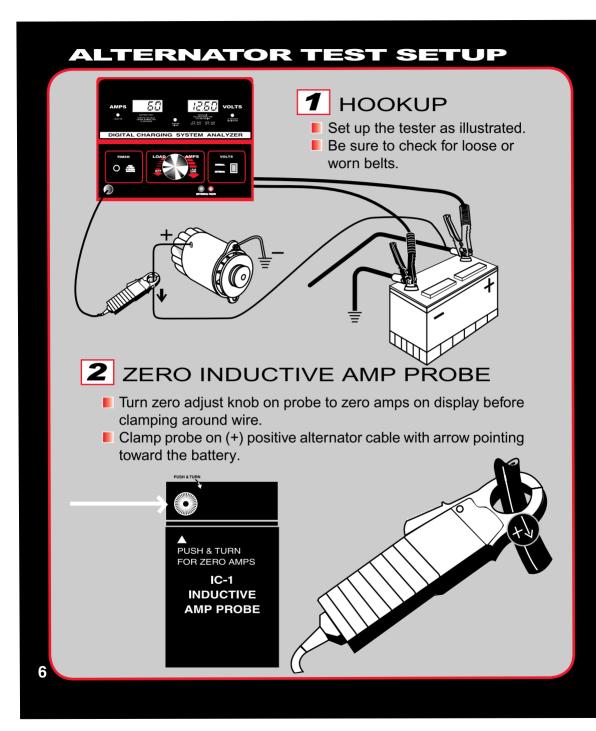
# 4 READING AMPS

- Compare the Amp reading to maufactures specifications or use the chart below.
- If out of specs:
  - 1. Check cables and connections.
  - 2. High amps replace starter.
  - 3. Low amps replace starter.

4 Cyl Gas	4 Cyl Dsl	6 Cyl Gas
120-250A	Up to 350A	Up to 250A
6 Cyl Dsl	8 Cyl Gas	8 Cyl Dsl
Up to 450A	Up to 250A	Up to 650A



On multiple battery systems where more than one cable connects to starter. Amp readings must be added together.



### **ALTERNATOR OUTPUT TES 3** SET VOLT SWITCH VOLTS Set Volt switch to INTERNAL. INTERNAL EXTERNAL **4** START ENGINE Idle engine at approximately 2000 rpm or to manufactures С specification. **5** APPLY LOAD Increase load until voltage reaches 12.4 Volts for AMPS LOAD maximum alternator output. LOAD 6 READ MAXIMUM AMP OUTPUT Release load. IF OUTPUT LOW: Replace alternator. AMPS **7** CHECK DIODE If LED glows steady red, diode or stator is bad replace alternator. Stator Diode LED Note: LED may flash during loading. Double check belts and correct pully size 7

### **MULTIPLE BATTERY SETUP 12 VOLT SYSTEM WITH** AMP PROBE: 325 12.60 VOLTE **6 VOLT BATTERIES** Inductive Amp Probe should be positioned as indicated on the respective alternator and starter test. 6 Volt 6 Volt Battery Batterv LOAD TESTS: **Disconect** each battery individually to do a load test. **12 VOLT SYSTEM WITH 12 VOLT BATTERIES** 325 12.60 vou VOLTAGE SWITCH **SELECTION 12 VOLT SYSTEM** Set volt switch to 12 Volt 12 Volt internal. Battery Battery 24 VOLT **ALTERNATOR** Set volt switch to external. 24 VOLT SYSTEM WITH 325 12.60 VOLT **12 VOLT BATTERIES** WARNING Do not use carbon pile tester to load 24 Volt batteries. 12 Volt 12 Volt Batterv Batterv 8