### **Starting & Charging System Diagnostic**

**Tech Work Sheet**

## RO # Customer Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Battery Size: \_\_\_\_\_\_\_\_\_\_\_\_\_ CCA \_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| BATTERY TESTS | O.K. | NEEDS REPAIR |
| BATTERY CASE, TRAY, & HOLD DOWNS |  |  |
| BATTERY CABLES & TERMINALS |  |  |
| OPEN CIRCUIT VOLTAGE (OCV) (12.6=100% 12.4=75%) |  |  |
| LOAD TEST VOLTAGE --1/2 CCA 15 seconds, should hold @ 9.8 V or more |  |  |
| RECOVERY TEST & VOLTAGE |  |  |
| BATTERY TO CHASSIS GROUND ALL LOADS ON (< .100V) |  |  |
| BATTERY TO ALTERNATOR GROUND ALL LOADS ON (< .100) |  |  |
| BATTERY TO ENGINE BLOCK ALL LOADS ON (< .100V) |  |  |

## Alternator Size: \_\_\_\_\_\_\_\_ Amps

|  |  |  |
| --- | --- | --- |
| ALTERNATOR | **O.K.** | **NEEDS REPAIR** |
| VISUAL INSPECTION |  |  |
| DRIVE BELT, MOUNTING |  |  |
| LOADED VOLTAGE OUTPUT @ 2500 RPM (min. 13.5V, normal = 14.0-15.0V) |  |  |
| AC CURRENT LEAKAGE, ALL LOADS ON (<500mV Ford, 350mV ) |  |  |

|  |  |  |
| --- | --- | --- |
|  STARTER TESTS | **OK** | NEEDS REPAIR |
| SPIN RPM |  |  |
| CURRENT DRAW |  |  |
| BATTERY CRANKING VOLTAGE |  |  |

##### NOTES

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