



# CHARGING SYSTEM INSPECTION

Battery Test	Spec	Actual	Status	Results
Fully charged battery	12.5-13.2 DCV			Fail = Charge battery, Pass = Continue
Load test	Batt CCA			Fail = Replace battery, Pass = Continue

Charging System Voltage test	Spec	Actual	Status	Notes
Check DCV while running	13.2-15 DCV			Pass = Charging system good, Fail = Continue

Connection and Wires	Spec	Actual	Status	
Inspect all electrical connections, fuses, plugs for corrosion etc.	NA	NA		Fail = Repair issue, Pass = Continue

Stator & Rotor test	Spec	Actual	Status	
Test stator ACV output on both output wires at 1,000 RPM	16-26 ACV			Fail = Continue, Pass = Continue
Test resistance between two stator wires	0.1-0.5 Ohms			Fail = Replace Stator, Pass = Continue
Stator IB to ground test. Stator wire number 1 +, - to ground	OL			Fail = Replace Stator, Pass = Continue
Stator IB to ground test. Stator wire number 2 +, - to ground	OL			Fail = Replace Stator, Pass = Continue

Rotor: If Stator ACV output test Failed and next 3 tests Passed replace rotor, if Stator ACV output test Passed continue

Regulator Test		Spec	Actual	Status	
Regulator body ground test		0 Ohms			Fail = Repair regulator ground, Pass = Continue
<b>Positive lead</b>	<b>Negative lead</b>				
AC output 1	Batt charge lead	.5DCV			Fail = Replace Regulator rectifier
AC Output 2	Batt charge lead	.5DCV			
Batt charge lead	AC output 1	OL			
Batt charge lead	AC Output 2	OL			
Ground	AC output 1	.5DCV			
Ground	AC Output 2	.5DCV			
AC output 1	Ground	OL			
AC Output 2	Ground	OL			

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