GROUP 5 ELECTRICAL SYSTEM

Trouble	Probable cause	Remedy
Starter will not engage	· Battery discharged	Check and charge battery. Replace if required.
	· Loose or disconnected wiring	· Check and repair.
	· Defective solenoid	· Check and replace, if required.
	· Defective starter	· Check and replace, if required.
Pinion engages, but	· Defective starter	· Check and replace, if required.
starter motor does not turn over	· Defective solenoid	Check and replace, if required.
Starter motor rotates at full speed before pinion engages	· Defective pinion spring	· Replace.
Starter does not disen-	· Faulty ignition switch	· Check and replace, if required.
gage after engine starts	· Defective solenoid	Check and replace, if required.
Battery low in charge or	· Drive belt slipping	· Adjust.
discharged	· Defective battery	· Check and replace, if required.
	· Faulty wiring or connections	· Check and repair.
	· Defective regulator	· Check and replace, if required.
	· Dirty alternator slip rings or brushes	· Check and repair.
Alternator overcharging	· Defective battery	· Check and replace, if required.
and battery overheats	· Defective voltage regulator	· Check and replace, if required.
	· Defective alternator	· Check and replace, if required.
Low or no output from	· Drive belt slipping	· Adjust.
alternator	· Faulty wiring or connections	· Check and repair.
	· Defective voltage regulator	· Check and replace, if required.
	· Defective rectifier	Check and replace, if required.
Charge indicator lamp	Faulty wiring or connections	· Check and repair.
dims	· Dirty slip rings or brushes	· Check and repair.

Trouble	Probable cause	Remedy
Charge indicator lamp ON with engine running	· Drive belt slipping	Adjust. Perform alternator voltage output test. Perform alternator current output test.
	· Defective alternator	Perform alternator B circuit voltage test. Perform alternator L circuit continuity test. Perform alternator I circuit continuity test.
Charge indicator lamp is OFF when starter switch is ON, but engine is not running	Defective wiring	Check and replace, if required. Check wiring continuity between lamp and lignition switch. Check wiring continuity between lamp and alternator L terminal.