

DIAGNOSIS (Continued)

CHARGING SYSTEM DIAGNOSIS

CONDITION	POSSIBLE SOURCE	ACTION
<ul style="list-style-type: none"> Battery Does Not Stay Charged—Engine Starts OK 	<ul style="list-style-type: none"> Battery. Loose or worn generator belt. Damaged or worn wiring or cables. Generator. Voltage regulator. Other vehicle electrical systems. 	<ul style="list-style-type: none"> Test battery, replace if necessary. Adjust or replace belt. Refer to Section 03-05. Service as required. Refer to Section 18-01. Test and/or replace components as required. Test, replace if necessary¹. Check other systems for current draw. Service as required¹.
<ul style="list-style-type: none"> Generator Noisy 	<ul style="list-style-type: none"> Loose or worn generator belt. Bent pulley flanges. Generator. 	<ul style="list-style-type: none"> Adjust tension or replace belt. Refer to Section 03-05. Replace pulley¹. Service or replace generator¹.
<ul style="list-style-type: none"> Lamps and/or Fuses Burn Out Frequently 	<ul style="list-style-type: none"> Damaged or worn wiring. Generator/voltage regulator. Battery. 	<ul style="list-style-type: none"> Service as required. Refer to Section 18-01. Test, service, replace if necessary¹. Test, replace if necessary¹.
<ul style="list-style-type: none"> Charge Indicator Lamp Flickers After Engine Starts or Comes On While Vehicle Is Being Driven 	<ul style="list-style-type: none"> Loose or worn generator belt. Generator. Field circuit ground. Voltage regulator. Lamp circuit wiring and connector. 	<ul style="list-style-type: none"> Adjust tension or replace. Refer to Section 03-05. Service or replace¹. Service or replace wiring. Refer to Section 18-01. Test, replace if necessary¹. Service as required¹.
<ul style="list-style-type: none"> Charge Indicator Lamp Flickers While Vehicle Is Being Driven 	<ul style="list-style-type: none"> Loose or worn generator belt. Loose or improper wiring connections. Generator. Voltage regulator. 	<ul style="list-style-type: none"> Adjust tension or replace belt. Refer to Section 03-05. Service as required. Refer to Section 18-01. Service or replace¹. Test, replace if necessary¹.
<ul style="list-style-type: none"> Charge Indicator Gauge Shows Discharge 	<ul style="list-style-type: none"> Loose or worn generator belt. Damaged or worn wiring (battery to generator for ground or open). Field circuit ground. Generator. Voltage regulator. Charge indicator gauge wiring and connections. Damaged or worn gauge. Other vehicle electrical system malfunction. 	<ul style="list-style-type: none"> Adjust tension or replace belt. Refer to Section 03-05. Service or replace wiring. Refer to Section 18-01. Service or replace wiring. Refer to Section 18-01. Service or replace¹. Test, replace if necessary¹. Service as required¹. Replace gauge. Refer to Group 13. Service as required.

TJ2205K

ADJUSTMENTS

Belt Adjustment

Refer to Section 03-05 for generator belt tensioning procedure.

SPECIAL SERVICE TOOLS

ROTUNDA EQUIPMENT

Model	Description
007-00001	Digital Volt-Ohmmeter
059-00002	Charging/Starting Analyzer
078-00005	Starting/Charging Tester VAT-40

TJ4475A

¹ Refer to the appropriate generator Section in this Group.