

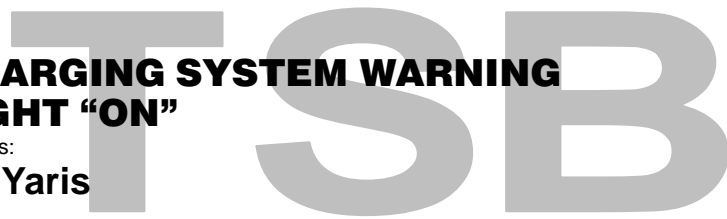


Technical Service BULLETIN

January 26, 2007

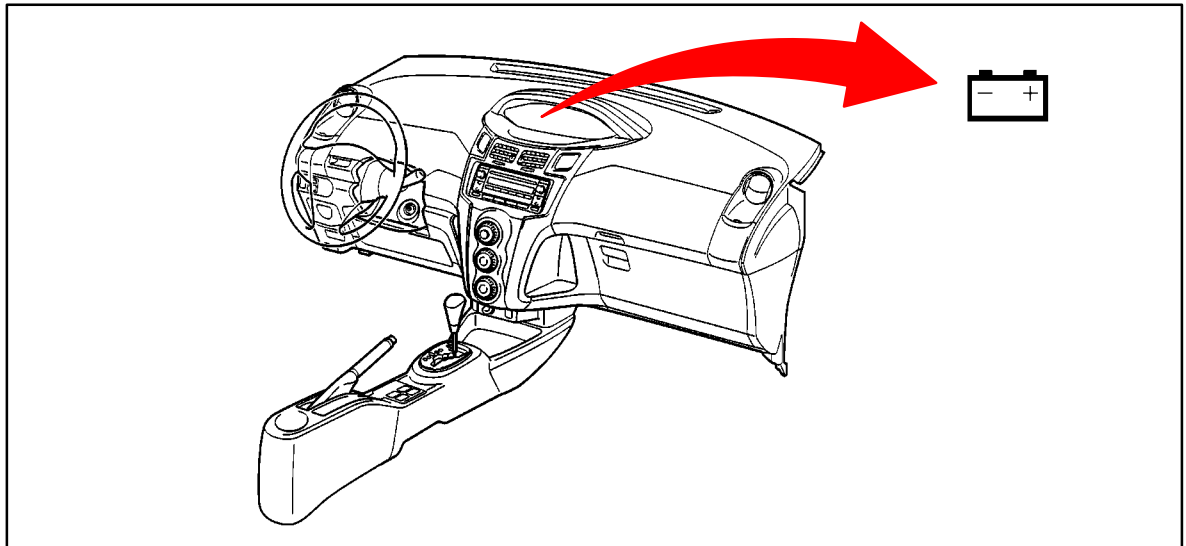
Title: CHARGING SYSTEM WARNING LIGHT "ON"

Models: '07 Yaris



ELECTRICAL
EL002-07

Introduction Some customers may complain that the charging system warning light is illuminated on the instrument cluster of the vehicle. The charging system warning light may illuminate due to a corroded connection on the voltage regulator of the alternator. Follow the inspection and repair procedure below to correct this condition.



Applicable Vehicles

- 2007 model year Yaris vehicles produced **BEFORE** the Production Change Effective VINs shown below.

Production Change Information

MODEL	TYPE	PRODUCTION CHANGE EFFECTIVE VIN
Yaris	Hatchback	JTDJT9#3#7#074924
	Sedan	JTDBT9#3#7#085320

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL5082	R & R Regulator Assembly	1.0	27700-21050	8C	17
OR					
271011	R & R Generator Assembly	0.6	27060-21150	8C	71

Applicable Warranty*:

This repair is covered under the Toyota Comprehensive Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.

* Warranty application is limited to correction of a problem based upon a customer's specific complaint.



Parts
Information

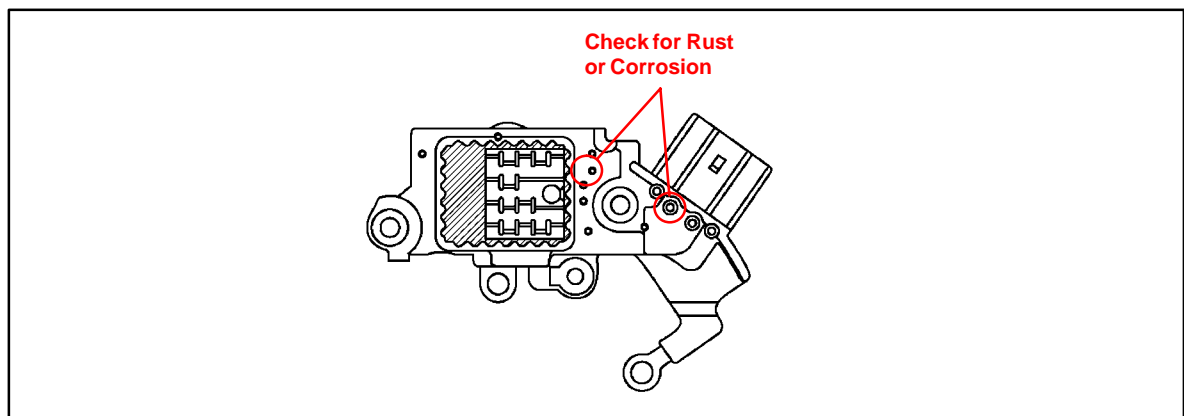
PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
27700-21050	Same	Regulator Assembly, Generator	1
27060-21150	Same	Alternator Assembly, w/ Regulator	1

NOTE:

Inspection procedure will determine which parts need to be ordered for repair.

Inspection &
Repair
Procedure

- Perform the on-vehicle charging system inspection found on the Technical Information System (TIS), 2007 model year Yaris Repair Manual:
Power Source/Network – Battery/Charging – "1NZ-FE Charging: Charging System: On-Vehicle Inspection".
 - If alternator voltage output is WITHIN the specified standard range of 13.2 – 14.8 V, continue on to the next step in the on-vehicle inspection and follow Repair Manual diagnostics to repair the vehicle.
 - If alternator voltage output is OUTSIDE the specified standard range of 13.2 – 14.8 V, continue to step 2.
- Remove the alternator end cap as outlined in TIS, 2007 model year Yaris Repair Manual:
 - Power Source/Network – Battery/Charging – "1NZ-FE Charging: Generator: Removal"*.
 - Power Source/Network – Battery/Charging – "1NZ-FE Charging: Generator: Disassembly"*.
- Check for signs of rust or corrosion around the voltage regulator terminals.



- If rust or corrosion is found on the terminals of the voltage regulator, remove and replace the voltage regulator with a new service part as outlined on TIS, 2007 model year Yaris Repair Manual:
 - Power Source/Network – Battery/Charging – "1NZ-FE Charging: Generator: Disassembly"*
 - Power Source/Network – Battery/Charging – "1NZ-FE Charging: Generator: Installation"*.

**Inspection &
Repair
Procedure**

- If NO corrosion is found on the terminals of the voltage regulator, remove and replace the alternator as outlined on TIS, 2007 model year Yaris Repair Manual:
 - *Power Source/Network – Battery/Charging – “1NZ–FE Charging: Generator: Disassembly”*
 - *Power Source/Network – Battery/Charging – “1NZ–FE Charging: Generator: Installation”*
4. Confirm repair by performing the on–vehicle inspection.