

CHARGING SYSTEM

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GENERAL INFORMATION

INTRODUCTION

The generator assembly is serviced as a complete assembly. If the generator should be faulty, replace the entire assembly. The only serviceable part is the drive pulley.

REMOVAL AND INSTALLATION

GENERATOR

WARNING: DISCONNECT NEGATIVE CABLE FROM BATTERY BEFORE REMOVING BATTERY OUTPUT WIRE FROM GENERATOR. FAILURE TO DO SO CAN RESULT IN INJURY.

CAUTION: Never force a belt over a pulley rim using a screwdriver. The synthetic fiber of the belt can be damaged.

CAUTION: When installing a serpentine accessory drive belt, the belt must be routed correctly. The water pump will be rotating in the wrong direction if the belt is installed incorrectly, causing the engine to overheat. Refer to belt routing label in engine compartment, or refer to Belt Schematics in Group 7, Cooling System.

REMOVAL

- (1) Disconnect the negative battery cable.
- (2) Remove the accessory drive belt. Refer to Group 7, Cooling System for procedure.
- (3) Remove the nut securing battery output cable to B+ terminal (Fig. 1) at rear of generator.

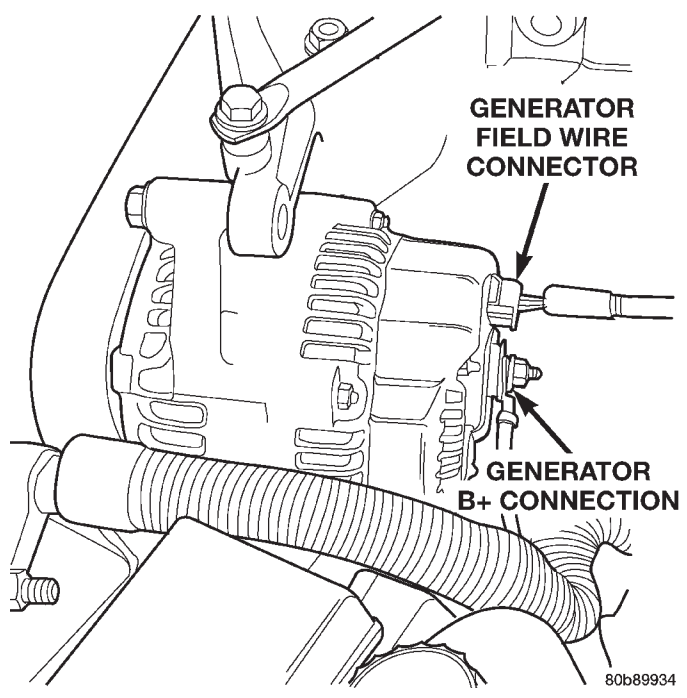


Fig. 1 Generator Terminals

REMOVAL AND INSTALLATION (Continued)

(4) Unplug the field terminal connector (Fig. 1) at rear of generator.

(5) Remove the upper generator mounting bolt (Fig. 2).

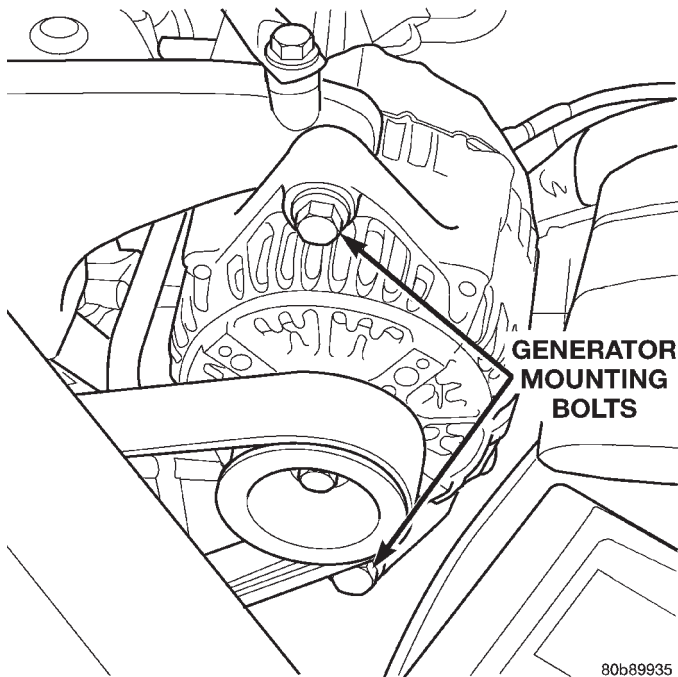


Fig. 2 Generator Mounting

(6) Remove the lower generator mounting bolt (Fig. 2) and remove generator from the vehicle.

INSTALLATION

(1) Install the generator into the generator bracket.

(2) Install the lower generator mounting bolt (Fig. 3).

(3) Install the upper generator mounting bolt (Fig. 3).

(4) Tighten the mounting bolts to proper torque.

- Upper mounting bolt — 27.5 N·m (20 ft. lbs.)
- Lower mounting bolt — 47 N·m (35 ft. lbs.)

(5) Connect the field terminal connector at rear of generator (Fig. 4).

(6) Connect the battery output cable to the B+ terminal at rear of the generator (Fig. 4).

(7) Install the accessory drive belt. Refer to Group 7, Cooling System for procedure.

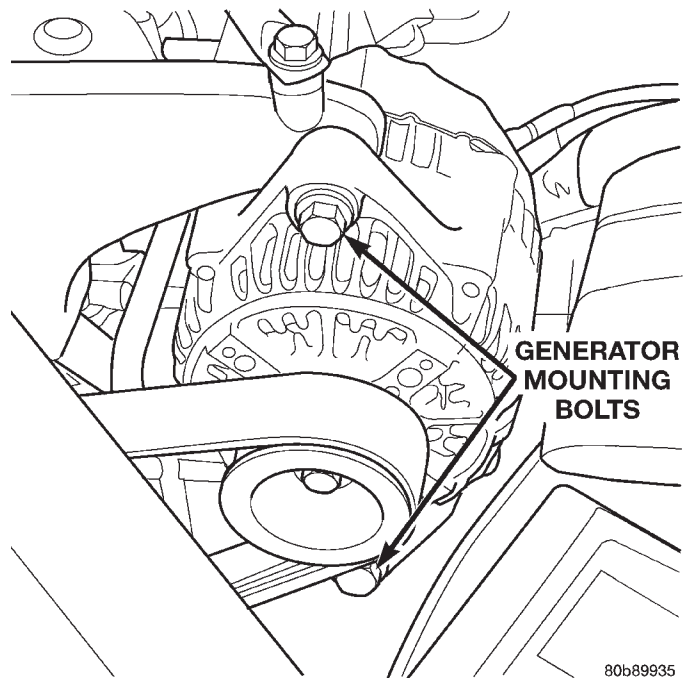


Fig. 3 Generator Mounting

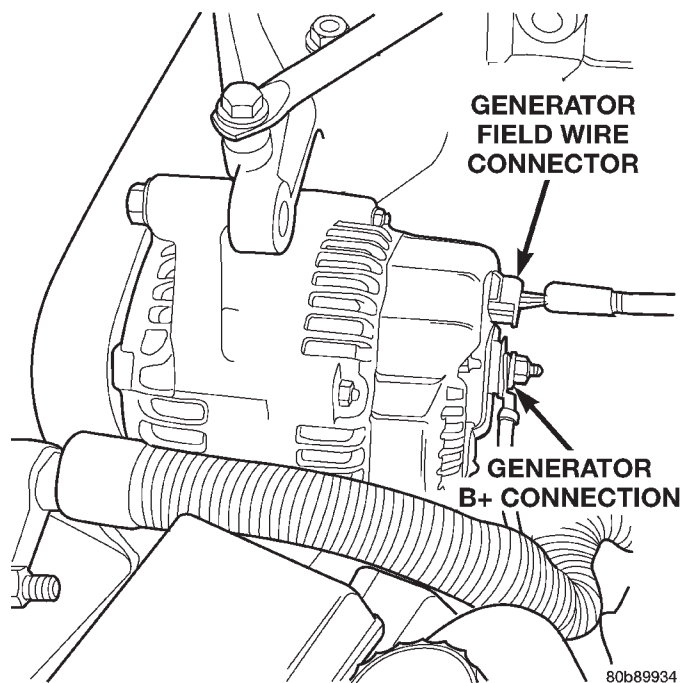


Fig. 4 Generator Terminals

(8) Connect the negative battery cable.