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## INSTALLATION INSTRUCTIONS

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Original Issue Date: **10/95**  
 Model: **200 kW**  
 Market: **Industrial**  
 Subject: **Wiring Harness Kit 347164**

The wiring harness kit replaces the engine wiring harness on 200 kW standby generator sets. The wiring harness supplied may not be identical to the original engine wiring harness.

Do not remove the original wiring harness from the engine prior to installing the new harness if possible. Use the original harness as a guide for installing the new harness.



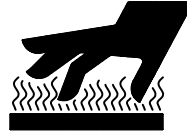
**⚠ WARNING**  
**Accidental starting.**  
**Can cause severe injury or death.**

Disconnect battery cables before working on generator set (negative lead first and reconnect it last).

**Accidental starting can cause severe injury or death.** Turn generator set master switch to OFF position, disconnect power to battery charger, and remove battery cables (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator set. The generator set can be started by automatic transfer switch or remote start/stop switch unless these precautions are followed.

**Hazardous voltage can cause severe injury or death.** Whenever electricity is present, there is the hazard of electrocution. Open main circuit breaker on all power sources before servicing equipment. Electrically ground the generator set and electrical circuits when in use. Never come into contact with electrical leads or appliances when standing in water or on wet ground, as the chance of electrocution is increased under such conditions.

### ⚠ WARNING



**Hot engine and exhaust system.**  
**Can cause severe injury or death.**

Do not work on generator set until it is allowed to cool.

**Hot parts can cause severe injury or death.** Do not touch hot engine parts. An engine gets hot while running and exhaust system components get extremely hot.

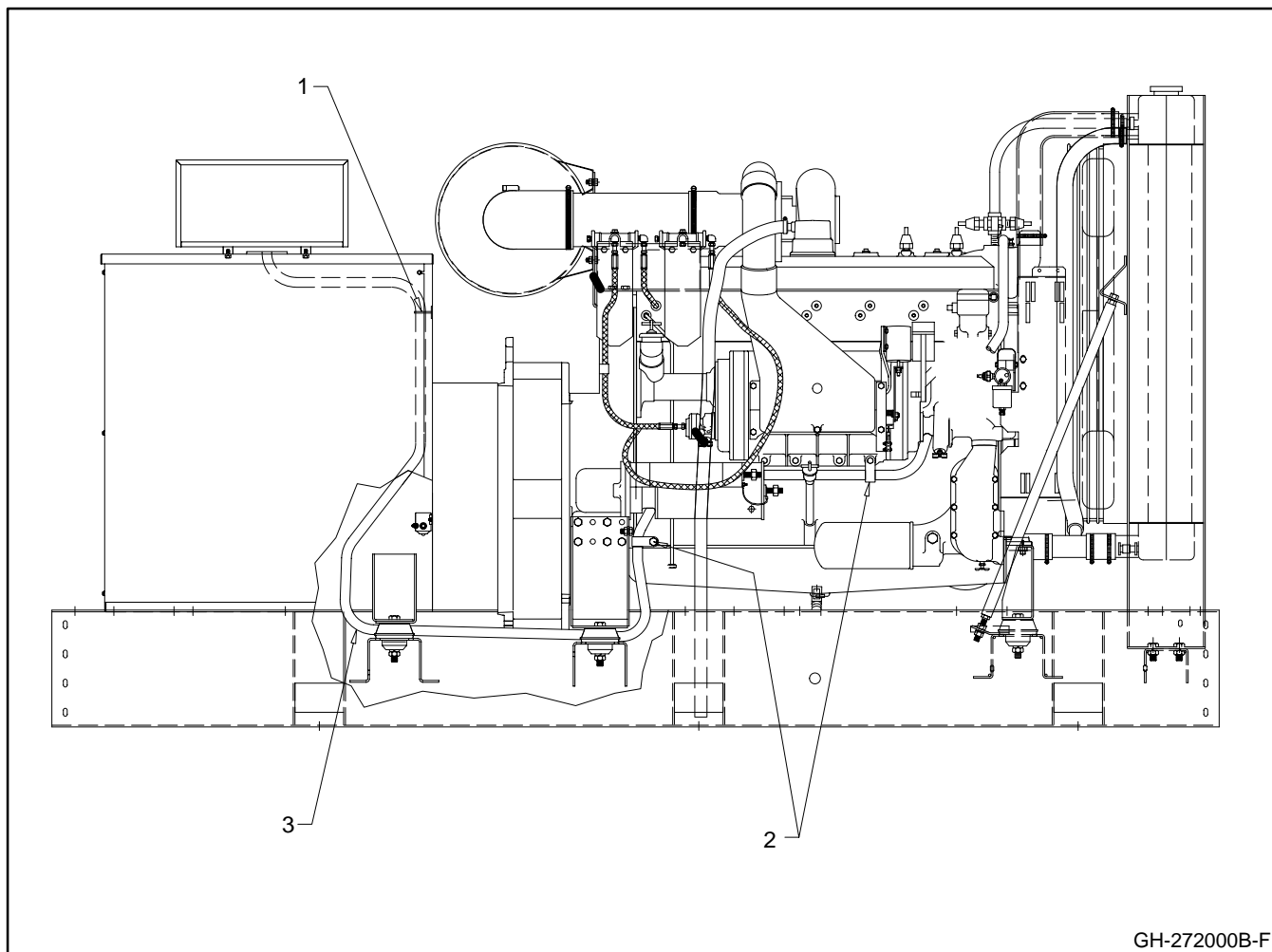
## Installation

1. Turn the generator set master switch to OFF. Disconnect the generator set engine starting battery, negative (–) lead first.
2. Disconnect leads connected to the starter solenoid.
3. Remove starter solenoid from junction box and relocate it to the same position inside the junction box. See Figure 1.
4. Install engine wiring harness according to appropriate wiring diagram in generator wiring diagrams book. See Figure 1 for location and routing of harness.
5. Secure wiring harness to engine using clamps (X-672-3), screws (X-6238-10), and washers as shown in Figure 1.
6. Attach tie wrap base (298776) to back panel inside junction box and secure harness to base. See Figure 1.

Use cable ties as necessary to secure wiring harness from exhaust components and moving parts.

7. Locate wiring harness leads that were not used. Tape lead ends and secure them to the harness to avoid electrical damage.
8. Reconnect generator set starting battery, negative (–) lead last. Verify that the generator set starts/stops and operates according to the controller features of the generator set operation

manual or switchgear literature if so equipped. If generator set operation is not correct, immediately shut down generator set and disconnect engine starting battery, negative (–) lead first. Consult appropriate wiring diagram and verify lead connections.



GH-272000B-F

1. Cable tie (298776)
2. Insulating clamp (X-672-3)

3. Engine wiring harness (328045)

**Figure 1. Wiring Harness Routing**

Engine Wiring Harness Kit Parts List		
KIT 347163		
Qty.	Description	Part Number
2	Clamp, insulating	X-672-3
1	Tie, cable	298776
1	Harness, wiring	328045