
SERVICE BULLETIN

Original Issue Date: 5/96
 Model: 6.5RMY
 10-12RY/RZ
 Market: Industrial
 Subject: Kohler Electronic Governor Wiring

Generator sets equipped with a Kohler governor may have incorrect governor wiring. When the generator set controller is wired for the cyclic cranking mode the generator set will not start on the second crank attempt.

Use the following procedure and wiring diagrams to identify and correctly modify the electronic governor wiring so that the cyclic cranking mode allows the generator set to attempt to start on the second crank.



Accidental starting.
Can cause severe injury or death.

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

Disabling generator set. 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 the generator set or connected equipment. The generator set can be started by an automatic transfer switch or remote start/stop switch unless these precautions are followed.

Grounding generator set. Hazardous voltage can cause severe injury or death. Electrocutation is possible whenever electricity is present. Open main circuit breakers of all power sources before servicing equipment. Configure the installation to electrically ground the generator set and electrical circuits when in use. Never contact 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.

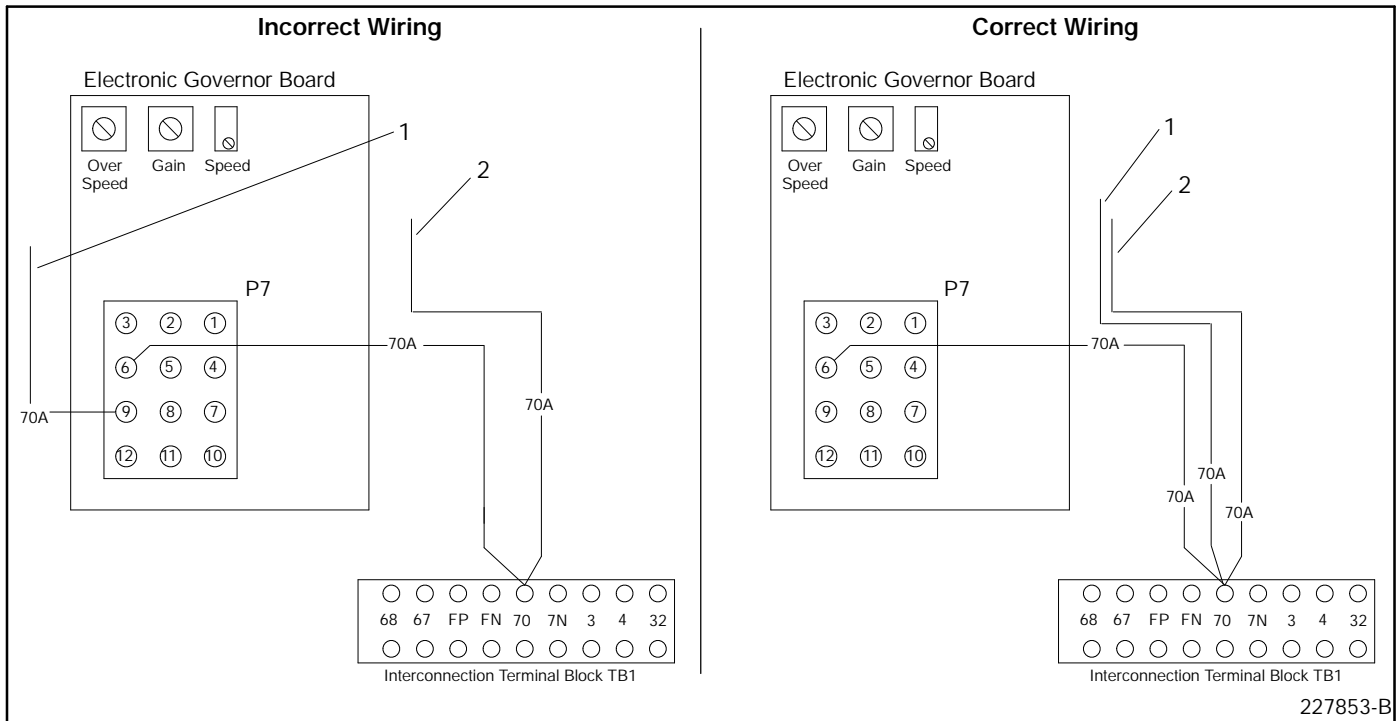
Do not work on generator set until it is allowed to cool.

Routing	Service Manager	Sales Manager	Parts Manager	Technician No. 1	Technician No. 2	Technician No. 3	Return This to
Initial Here							

Model 6.5RMY

1. Place the generator set master switch in the OFF position.
2. Disconnect generator set engine starting battery, negative (-) lead first.
3. Remove lead 70A from pin 9 of plug P12 using pin extractor (241918), or by cutting the lead as close to plug P7 as possible. See Figure 1.

4. Strip the end of lead 70A removed from plug P7 and crimp on spade terminal (not supplied).
5. Connect the stripped end of lead 70A removed from plug P7 to interconnection terminal block TB1 terminal 70. See Figure 1.
6. Check that the generator set master switch is in the OFF position.
7. Reconnect engine starting battery, negative (-) lead last.



1. Lead 70A from pin 3 of plug P5

2. Lead 70A from control power relay

Figure 1. 6.5RMY Governor Wiring

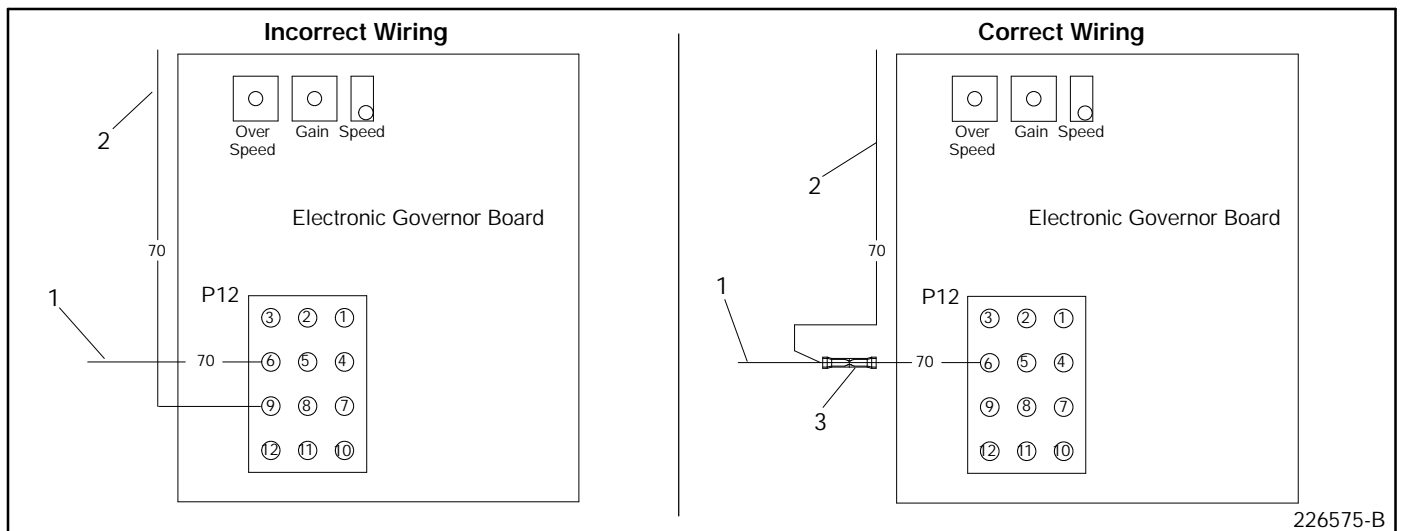
Models 10-12RY/RZ

1. Place the generator set master switch in the OFF position.
2. Disconnect generator set engine starting battery, negative (-) lead first.
3. Remove lead 70 from pin 9 of plug P12 using pin extractor (241918) or by cutting the lead as close to plug P12 as possible and stripping the end. See Figure 2 for microprocessor controllers or Figure 3 for relay controller.
4. **Relay Controller:** Follow lead 70 from pin 6 of plug P12 to the splice connector and cut all three leads as close to the splice connector as possible.
5. **Microprocessor Controller:** Locate lead 70 at terminal 6 of plug P12. Cut lead 70 approximately

4 in. (101.60 mm) from plug P12 and strip ends. Connect lead 70 removed from pin 9 of plug P12 to lead 70 connected to pin 6 of plug P12 using a splice connector (not supplied).

Relay Controller: Strip the ends of the three leads cut from the splice connector and connect them along with lead 70 removed from pin 9 of plug P12 together using a new splice connector (not supplied). Make sure there are only two leads inserted in each side the splice connector.

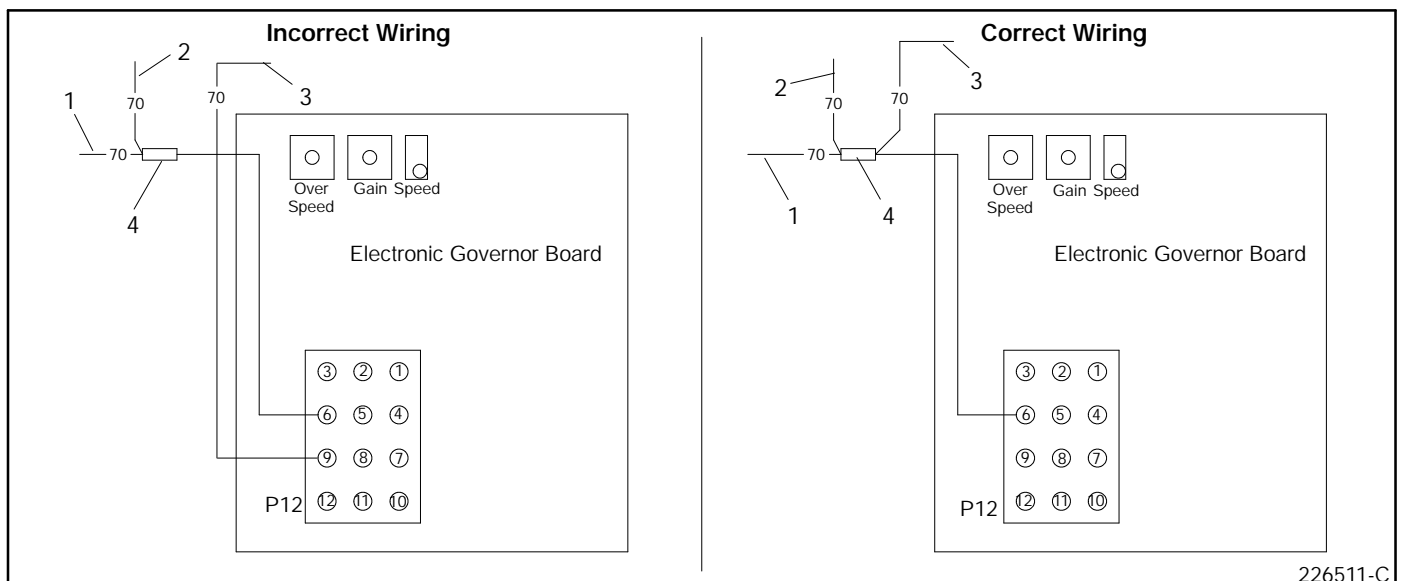
6. Check that the generator set master switch is in the OFF position.
7. Reconnect engine starting battery, negative (-) lead last.



1. Lead 70 from pin 7 of plug P1
2. Lead 70 from antidiesel solenoid

3. Splice connector

Figure 2. Governor Wiring for 10-12 RY/RZ Generator Sets Equipped with a Microprocessor Controller



1. Lead 70 from interconnection terminal block
2. Lead 70 from hourmeter

3. Lead 70 from antidiesel solenoid
4. Splice connector

Figure 3. Governor Wiring for 10-12 RY/RZ Generator Sets Equipped with a Relay Controller