



SERVICE BULLETIN

ISSUE DATE: **3/94** MODEL: **7CCO-RV**
REVISION DATE: -

SUBJECT: **Timing Mark**

NO. **525**

On 7CCO-RV models prior to serial number 340414 the engine timing mark may be incorrect. Verify the timing mark location before replacing any fuel injection components.

Change the timing mark according to the instructions in this service bulletin. Use the new timing mark when making engine timing adjustments. Refer to the engine service manual (TP-5546) for complete engine timing information.



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.

Disconnect battery cables (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator. The generator set can be started by remote start/stop switch unless this precaution is followed.

⚠ WARNING

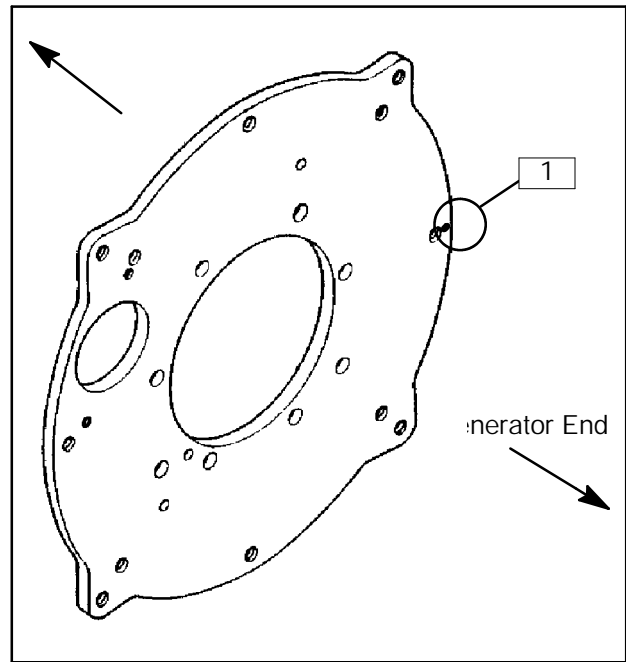
 Hazardous voltage.	 Moving rotor.
Can cause severe injury or death.	
Do not operate generator set without all guards and electrical enclosures in place.	

Exposed moving parts can cause severe injury or death. Keep hands, feet, hair, clothing, and test leads away from belts and pulleys when unit is running. Replace guards, covers, and screens before operating generator set.

Flying projectiles can cause severe injury or death. Retorque all crankshaft and rotor hardware after servicing. When making adjustments or servicing generator set, do not loosen crankshaft hardware or rotor thru-bolt. If rotating crankshaft manually, direction should be clockwise only. Turning crankshaft bolt or rotor thru-bolt counterclockwise can loosen hardware and result in serious personal injury from hardware or pulley flying off engine while unit is running.

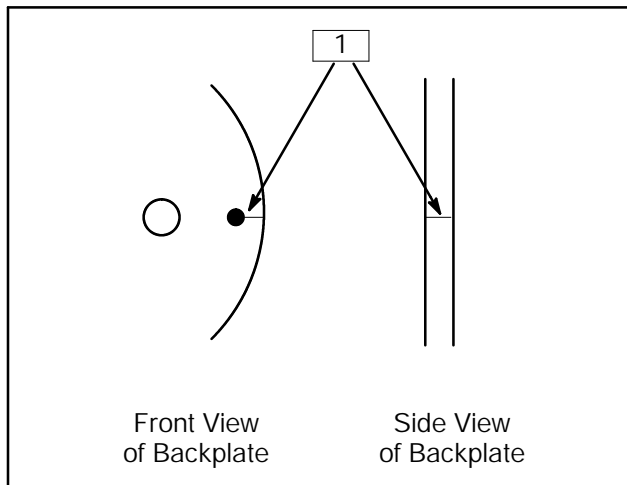
Routing	Service Manager	Sales Manager	Parts Manager	Technician No. 1	Technician No. 2	Technician No. 3	Return This to
Initial Here							

1. Move generator start/stop switch to the Stop position. Remove generator set battery cables, negative lead first.
2. Loosen the end bracket and stator assembly. Refer to the generator set service manual (TP-5595) for procedure.
3. Locate the timing mark on the engine backplate. See Figure 1.
4. Draw a scribe mark on the backplate to the edge of the plate. Highlight mark using a metal marker or paint. See Figure 2.
5. Reassemble the stator assembly and end bracket using the generator set service manual procedure. Do not attempt to line up the scribe marks.
6. Where the new scribe mark on the backplate meets the stator assembly, scribe another mark on the outside frame of the stator assembly. Highlight the new mark using a metal marker or paint. This will be the new timing-mark reference.
7. Check that the controller start/stop switch is in the Stop position. Reconnect battery cables, negative lead last.



1. Timing Mark

Figure 1. Timing Mark Position on Engine Backplate



1. Scribe Mark

Figure 2. Drawing Scribe Mark