EMISSIONS RECALL

GX630 • GX660 • GX690
GXV630 • GXV660 • GXV690
IGNITION COILS

SYMPTOM

In cooperation with the U.S. Environmental Protection Agency and the California Air Resources Board, American Honda Motor Co., Inc. has initiated a voluntary emissions recall of the ignition coils installed on affected V-twin engines.

Affected units may have an ignition coil fail, causing the engine to run on one cylinder. The engine may appear to run, but when a heavy load is applied, the engine may stop running.

AFFECTED UNITS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>START SERIAL NUMBER</th>
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</tr>
</thead>
<tbody>
<tr>
<td>GX630R</td>
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<td>GJARK-1000606</td>
<td>GJARK-1000941</td>
</tr>
</tbody>
</table>

The ignition coils must be replaced on all affected engines.

Proceed to Corrective Action on all affected units, starting on the next page.
CORRECTIVE ACTION

Boxed American Honda inventory: Affected units that have been repaired before being shipped to your dealership can be identified by the “OK” marking on the identification label on the corner of the carton as shown.

Repaired units: Repaired units can be identified by the sticker (7CT 06305-Z6L) located on the engine shroud as shown.

Affected units that have been repaired can also be identified by the part number on the ignition coil. The first eleven digits are 30500Z6L033. The twelfth digit can be any number.

Units in distributor/dealer inventory:

All units with affected engines in distributor/dealer inventory must have the ignition coils replaced prior to retail delivery. Follow the Procedure starting on the appropriate page for your model.

GX (horizontal) types: page 3
GXV (vertical) types: page 7
PROCEDURE

• GX (HORIZONTAL) TYPES

1. Remove the fan cover.

FAN COVER PROTECTOR TYPE

FUEL TUBE A

INSTALLATION:
Clamp fuel tube A to the hook on the fan cover.

FUEL TUBE A

INSTALLATION:
Clamp fuel tube A to the hook on the fan cover.

SCREW GRID/SCREEN GRID COVER TYPE

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PTB54368 (TE100.2012.07)
2. Remove the left and right lower shrouds.
3. Remove the wire band from the ignition coil.
4. Remove the four 6 x 32 mm flange bolts and two ignition coils.

5. Install the two new ignition coils and loosely tighten the four 6 x 32 mm flange bolts.
6. Install the wire band to the ignition coil and clamp the engine wire harness as shown.
7. Clamp the left side ignition coil high tension cord to the high tension cord clamp.
8. Insert a thickness gauge between the ignition coil and the flywheel as shown.

IGNITION COIL AIR GAP: 0.2 ~ 0.6 mm (0.01 ~ 0.02 in)
- Do not set the ignition coil air gap against the flywheel magnet. Set it against the flat part of the flywheel.
- Adjust the ignition coil air gap equally at both sides.
- Push the ignition coil firmly against the flywheel and tighten the two 6 x 32 mm flange bolts.

9. Remove the thickness gauge.
10. Adjust the ignition coil air gap on the other ignition coil and tighten the two 6 x 32 mm flange bolts.
11. Apply the repair completed sticker (7CT 06305-Z6L) on the right lower shroud as shown. It is easier to install the sticker with the shroud off.

12. Install the right lower shroud.
Clamp the high tension cord to the inside of the right lower shroud and align the grommet with the cutout in the shroud as shown. Pass the engine wire harness through the right lower shroud and align the grommet with the shroud.

13. Install the left lower shroud.
Align the grommet with the cutout in the left lower shroud as shown.

14. Install the fan cover using the appropriate diagram on pages 3 and 4.

15. If the engine is going back in the box, mark the outside of the box with “OK” on the identification label as shown.
• GXV (VERTICAL) TYPES

1. Remove the fan cover.

**FAN COVER PROTECTOR TYPE**

- 6 x 15 mm SPECIAL SCREW (2)
  - 4.4 N•m (3.2 ft-lb)
- 6 x 20 mm FLANGE BOLT (4)

**SCREEN GRID/SCREEN GRID COVER TYPE**

- 6 x 38 mm FLANGE BOLT (3)
  - 8.5 N•m (6.3 ft-lb)
- STUD BOLT (2)
  - 12 N•m (9 ft-lb)
- 6 x 15 mm SPECIAL SCREW (2)
  - 4.4 N•m (3.2 ft-lb)
- 6 mm NUT (2)
  - 8.5 N•m (6.3 ft-lb)
- 6 x 16 mm SCREW (3)

FUEL TUBE A

**INSTALLATION:**
Clamp fuel tube A to the hook on the fan cover.
2. Remove the left and right lower shrouds.
3. Remove the wire band from the ignition coil.
4. Remove the four 6 x 32 mm flange bolts and two ignition coils. 

5. Install the two new ignition coils and loosely tighten the four 6 x 32 mm flange bolts.
6. Install the wire band to the ignition coil and clamp the engine wire harness as shown.
7. Clamp the left side ignition coil high tension cord to the high tension cord clamp.
8. Insert a thickness gauge between the ignition coil and the flywheel as shown.

IGNITION COIL AIR GAP: 0.2 ~ 0.6 mm (0.01 ~ 0.02 in)

- Do not set the ignition coil air gap against the flywheel magnet. Set it against the flat part of the flywheel.
- Adjust the ignition coil air gap equally at both sides.
- Push the ignition coil firmly against the flywheel and tighten the two 6 x 32 mm flange bolts.

9. Remove the thickness gauge.
10. Adjust the ignition coil air gap on the other ignition coil and tighten the two 6 x 32 mm flange bolts.
11. Apply the repair completed sticker (7CT 06305-Z6L) on the right lower shroud as shown. It is easier to install the sticker with the shroud off.

12. Install the right lower shroud.
Clamp the high tension cord to the inside of the right lower shroud and align the grommet with the cutout in the shroud as shown. Pass the engine wire harness through the right lower shroud and align the grommet with the shroud.

13. Install the left lower shroud.
Align the grommet with the cutout in the left lower shroud as shown.

14. Install the fan cover using the appropriate diagram on page 7.

15. If the engine is going back in the box, mark the outside of the box with “OK” on the identification label as shown.
PARTS INFORMATION
Order parts through your normal parts ordering procedures.

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty.</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ignition Coil Kit</td>
<td>1</td>
<td>06305-Z6L-306</td>
</tr>
</tbody>
</table>

Kit contents: Ignition Coil (2)
7CT 06305-Z6L Sticker

WARRANTY INFORMATION
Duration
This Emissions Recall will be in effect until all affected units have been repaired according to this Service Bulletin, regardless of the date of purchase.

VIN Information

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Processing
Template warranty claim submission requirements apply. After completing the Service Bulletin repair procedure, submit one warranty claim per unit with the following information. Use template S43A if engine removal from the equipment was not necessary. Use template S43B if engine removal was necessary.

<table>
<thead>
<tr>
<th></th>
<th>S43A</th>
<th>S43B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ignition Coil Kit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defect Code</td>
<td>7CT</td>
<td>7CT</td>
</tr>
<tr>
<td>Labor Operation Number</td>
<td>614105</td>
<td>6141G4</td>
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<tr>
<td>Flat Rate Time</td>
<td>0.8</td>
<td>1.5</td>
</tr>
<tr>
<td>Failed Part</td>
<td>30500-Z6L-013</td>
<td>30500-Z6L-013</td>
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Users:

<table>
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<th>Template Number:</th>
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<tbody>
<tr>
<td>S43A (if engine removal was not necessary)</td>
</tr>
<tr>
<td>S43B (if engine removal was necessary)</td>
</tr>
</tbody>
</table>

A Template Number includes only those parts shown in the Parts Information section of this bulletin for that repair. If any additional parts are required, submit a normal warranty claim for Parts Only using Labor Operations Number “000001.”

Defect Code: 7CT
Labor Operation Number: 614105
Flat Rate Time: 0.8
Failed Part: 30500-Z6L-013

Note: If additional labor time is required, please call Techline or Warranty.
July 2012

EMISSIONS RECALL NOTICE
V-TWIN IGNITION COILS

Dear Honda Engine Customer,

In cooperation with the U.S. Environmental Protection Agency and the California Air Resources Board, American Honda Motor Co., Inc. has initiated a voluntary emissions recall of the ignition coils installed on affected V-twin engines. Our records indicate that you may own equipment powered by an affected engine.

The U.S. Environmental Protection Agency has determined that your engine may be emitting pollutants in excess of the federal emission standards as defined in Title 40 of the Code of Federal Regulations. These emission standards were established to protect the public health or welfare from air pollution.

What is the problem?

The engine may have an ignition coil malfunction, causing the engine to run on one cylinder. The engine may appear to run, but when a heavy load is applied, the engine may stop running.

What should you do?

Stop using your Honda powered equipment and contact a servicing Honda Engine dealer to make an appointment to have the ignition coils inspected and, if necessary, replaced free of charge. Transportation of the equipment to the dealer is the responsibility of the owner.

If you need assistance locating a servicing Honda Engine dealer, please visit our web site: www.engines.honda.com or contact us at (888) 888-3139.

To ensure your full protection under the emission warranty on your engine by federal law, and your right to participate in future recalls, we recommend you have your engine serviced as soon as possible. We may consider your not servicing it to be improper maintenance.

Who to contact if you have questions or experience problems.

If you have any questions or are unsatisfied with the service you received from your Honda dealer, you may call or write to:

American Honda Motor Co., Inc.
Customer Relations Department
4900 Marconi Drive
Alpharetta, GA 30005
(888) 888-3139

For your convenience, this information is also posted on our web site: www.engines.honda.com, under Recalls/Updates.
What to do if you feel this notice is in error.

This notice was mailed to you according to the most current information available. If you no longer own equipment powered by an affected engine or some information in this notice is incorrect, please contact us via e-mail at PowerEquipmentEmissions@ahm.honda.com or call (888) 888-3139. Please include your engine’s serial number and the complete address of the person who purchased your equipment in your e-mail correspondence. This will allow us to update our records.

It is our goal to provide you with the highest quality products and the best after-sale service. We thank you for your purchase of a Honda product and apologize for any inconvenience this situation may cause.

Sincerely,
American Honda Motor Co., Inc.
Power Equipment Division
American Honda Motor Co., Inc.

EMISSIONS RECALL NOTICE

GX630R • GX660R • GX690R • GX690
GXV630R • GXV660R • GXV690R

IGNITION COILS

Check below to see if your engine is affected by this recall.

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Consumers should stop using their Honda-powered equipment and contact a Honda Engine dealer for a free repair.

What is the problem?

The engine may have an ignition coil malfunction, causing the engine to run on one cylinder. The engine may appear to run, but when a heavy load is applied, the engine may stop running.

What should you do?

Stop using your Honda powered equipment and contact a servicing Honda Engine dealer to make an appointment to have the ignition coils inspected and, if necessary, replaced free of charge. Transportation of the equipment to the dealer is the responsibility of the owner. If you need assistance locating a servicing Honda Engine dealer, please visit our web site: www.engines.honda.com or contact us at (888) 888-3139.

In cooperation with the U.S. Environmental Protection Agency and the California Air Resources Board

PTB54368 (2012.07) Post in a prominent location through October 31, 2012