



Applies To: **See VEHICLES AFFECTED**

April 9, 2011

Safety Recall: Lost Motion Springs

(Supersedes 11-010, dated February 26, 2011, to revise the information marked by the black bars)

REVISION SUMMARY

- Under INSPECTION AND REPAIR PROCEDURE, several steps were updated to avoid damaging the cowl clips, the cylinder head cover gasket, and the rocker shaft mounting bolts.
- Under TOOL INFORMATION, the KTC trim tool set was added.

BACKGROUND

The lost motion springs in the engine's variable valve timing and lift electronic control (VTEC) may break. In rare cases, the broken pieces of the lost motion spring may jam the rocker arm and cause the engine to stall and prevent it from being restarted. An engine that stalls while driving increases the risk of a crash.

VEHICLES AFFECTED

2009 Fit

From VIN JHMGE8...9S000027 thru
JHMGE8...9S075923

From VIN JHMGE8...9C000005 thru
JHMGE8...9C007783

2010 Fit

From VIN JHMGE8...AC000001 thru
JHMGE8...AC013589

Not all vehicles within the affected VIN ranges are affected by this campaign. To verify vehicle eligibility, you **must** check for at least one of these items:

- The customer has a notification letter.
- The vehicle is shown as eligible on a VIN status inquiry.

In addition, check for a punch mark above the 1st character of the engine compartment VIN. A punch mark in that location means this campaign has already been completed.

Some vehicles affected by this campaign may be in your used vehicle inventory. As a matter of federal law, these vehicles **must** be repaired before they are sold.

Should a dealership sell an unrepaired vehicle that subsequently causes an injury or damage because of the recalled item, the dealership will be solely responsible to the damaged party, and will be required to defend and indemnify American Honda for any resulting claims. To see if a vehicle in inventory is affected by this campaign, do a VIN status inquiry before selling it.

CUSTOMER NOTIFICATION

Owners of affected vehicles will receive a notification of this campaign. An example of the customer notification is at the end of this service bulletin.

CORRECTIVE ACTION

Inspect and, if necessary, replace the four lost motion springs.

PARTS INFORMATION

Lost Motion Spring Kit: P/N 04148-RK8-305
(Includes four lost motion spring assemblies, throttle body gasket, and four intake manifold gaskets)

TOOL INFORMATION

Rocker Arm Holder Set: T/N 070AB-RB10100
(Includes four rocker arm holders and four rocker arm spacers)

KTC Trim Tool Set: T/N SQJATP2014

REQUIRED MATERIALS

Hondabond HT Silicone Gasket (or equivalent):
P/N 08718-0001

WARRANTY CLAIM INFORMATION

OP#	Description	FRT
1105B3	Disassemble the engine, inspect the production date and number on the rocker bridge, and reassemble the engine.	1.1
1101AK	Disassemble the engine, replace the four lost motion springs (including valve adjustment), and reassemble the engine.	1.6

Failed Part: P/N 14820-RB1-013

Defect Code: 5LT00

Symptom Code: R6600

Skill Level: Repair Technician

INSPECTION AND REPAIR PROCEDURE

NOTE: This procedure is in an outline form that you can also use as a checklist for the repair. If you need more details on the procedures listed below, bookmark them in the appropriate service manual, or view them online:

- Wiper Arm Replacement
- Cowl Cover Replacement
- Under Cowl Replacement
- Air Cleaner Removal/Installation
- Intake Manifold Removal and Installation
- Cylinder Head Cover Removal
- Rocker Arm Assembly Removal
- Rocker Arm Assembly Installation
- Valve Clearance Adjustment
- Cylinder Head Cover Installation

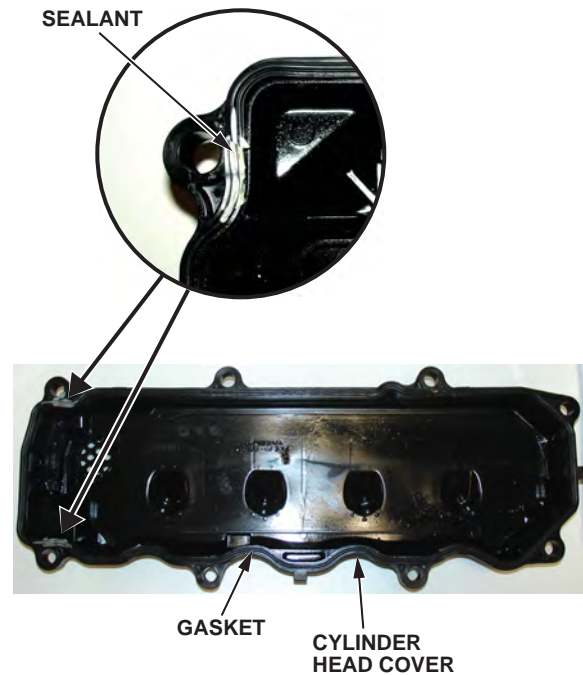
1. Remove the windshield wiper arms.
2. Remove the cowl cover.

NOTE: The cowl cover and clips are easily broken if they are not removed carefully. Make sure you use the applicable KTC trim tool.



3. Remove the under-cowl panel.
4. Remove the air cleaner.
5. Remove the intake manifold chamber assembly.

6. Sealant was applied to the timing chain area of the cylinder head cover gasket that may cause the gasket to stick to the cylinder head. To avoid damaging the gasket, remove the cylinder head cover as follows:

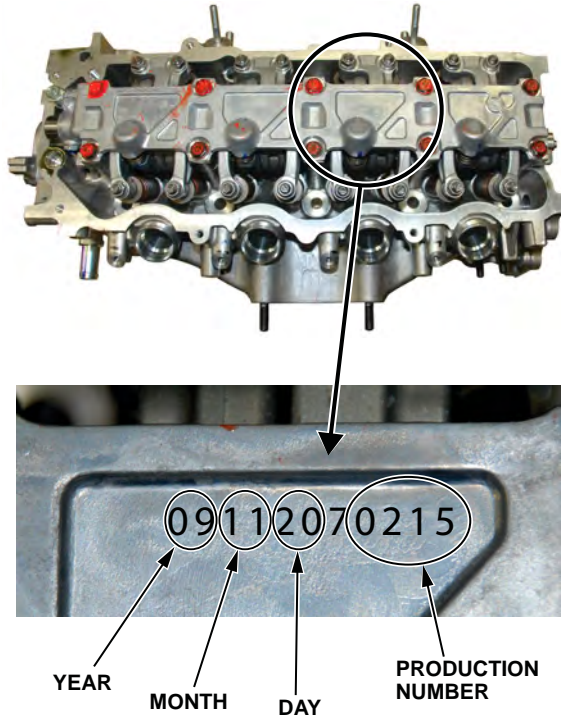


- Remove the eight cylinder head cover bolts.
- Gently push the cylinder head cover toward the engine bulkhead until it pops free.
- Remove all of the old sealant from the cam chain case and the cylinder head.

NOTE:

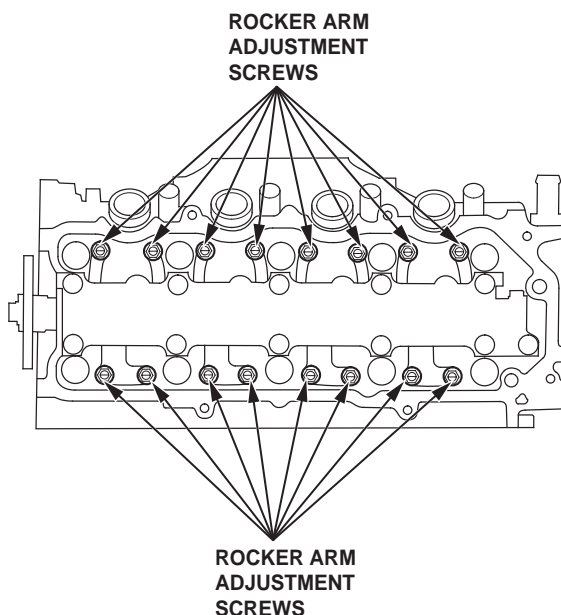
- Reuse the cylinder head gasket. Replace it only if it is deformed, damaged, or if there is an oil leak.
- Do not try to clean the sealant off the gasket.

7. Check the manufacturing lot number on the rocker arm bridge to see if it was built after November 20, 2009, production number 215.

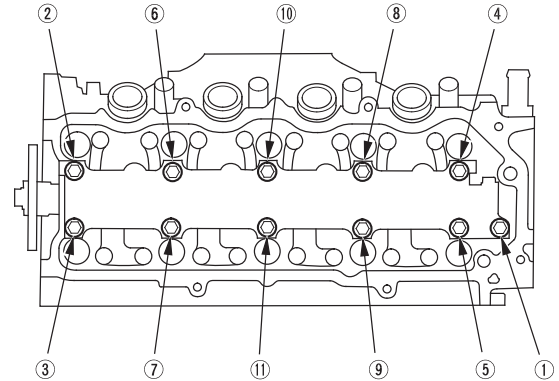


- If the rocker bridge date is 091120 (November 20, 2009), and the production number is 216 or **higher**, or the date is **later** than 091120, the lost motion springs are OK. Go to step 19 to reassemble the engine.
- If the rocker bridge date is 091120 (November 20, 2009), and the production number is 215 or **lower**, or the date is **earlier** than 091120, the lost motions springs **must** be replaced. Go to step 8.

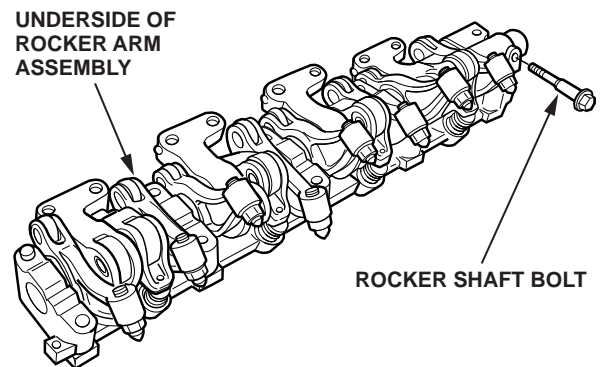
8. Loosen the rocker arm adjusting screws.



9. To avoid breaking the rocker shaft mounting bolts, unscrew them two turns at a time in the sequence shown.

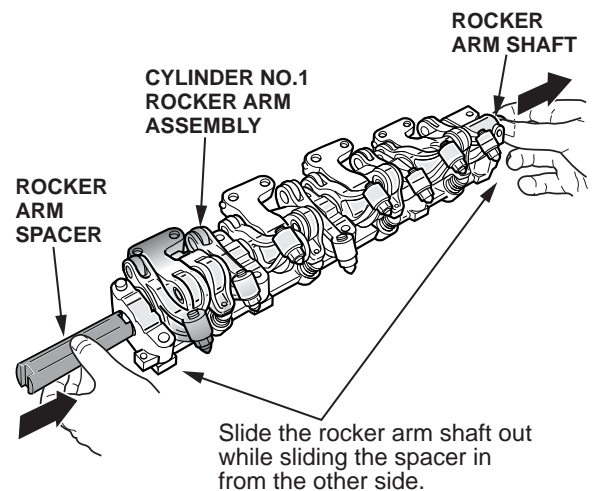


10. Remove the rocker arm assembly, and place it upside-down on a clean work surface.
11. Remove the rocker shaft bolt.

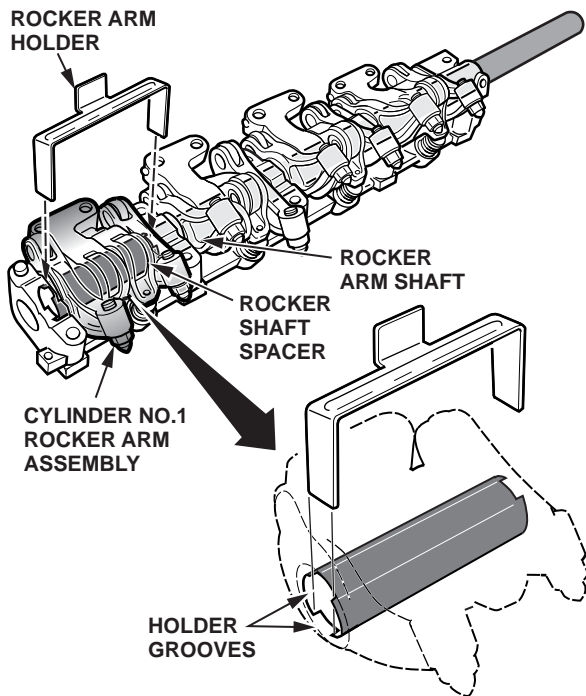


12. Use the rocker arm spacers and the rocker arm holders to keep the four rocker arm assemblies together when you remove them:

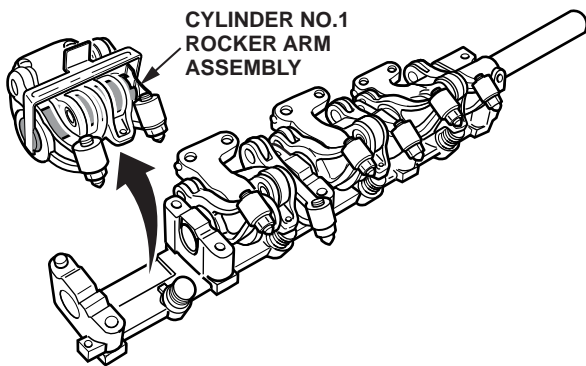
- Place a rocker shaft spacer at the cylinder No. 1 rocker arm assembly.



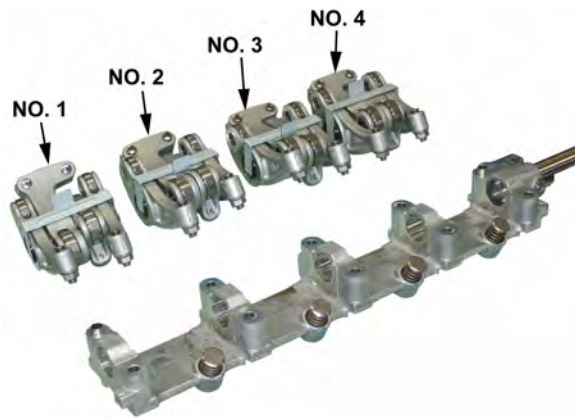
- While pushing in the rocker arm spacer, slide the rocker arm shaft out of the cylinder No. 1 rocker arm assembly. Make sure to keep the holder grooves vertical.
- When the rocker arm shaft is clear from the cylinder No. 1 rocker arm assembly, install a rocker arm holder.



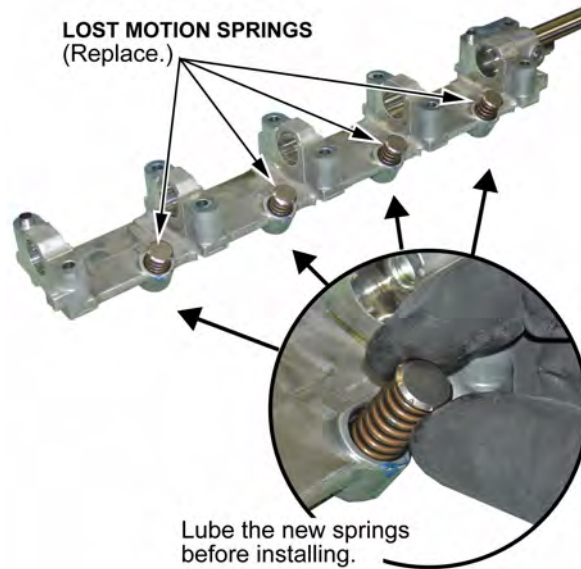
- Remove the cylinder No. 1 rocker arm assembly from the rocker bridge assembly.



13. Repeat step 12 for the remaining three rocker arm assemblies. Note the location of each assembly to make sure they are returned to their original positions.

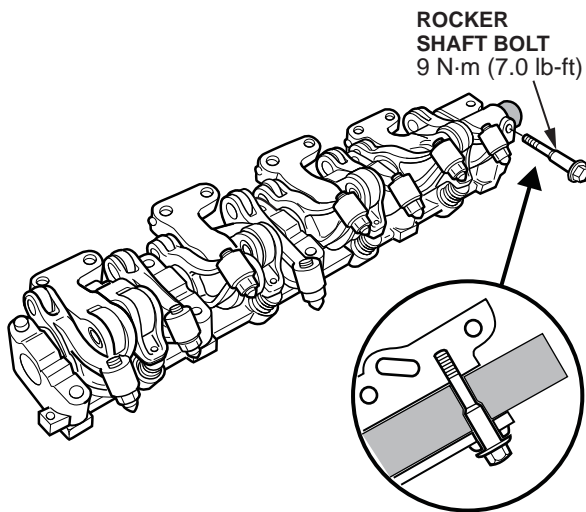


14. Remove the lost motion springs.



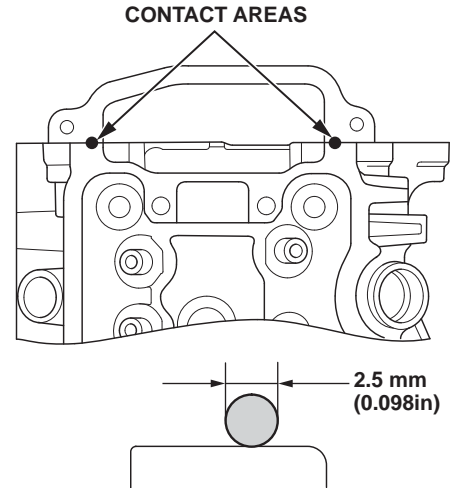
15. Lube the new lost motion springs with fresh engine oil, then install them.
16. Reinstall the cylinder rocker arm assemblies in the rocker bridge:
 - Place the cylinder No. 4 rocker arm assembly in the rocker bridge.
 - Remove the holder.
 - Carefully slide the rocker arm shaft into the cylinder No. 4 rocker arm assembly. The rocker shaft spacer will slide out.
17. Repeat step 16 for the remaining three rocker arm assemblies.
18. Install the rocker shaft bolt, and torque it to **9 N·m (7.0 lb-ft)**.

NOTE: The rocker shaft bolt installs in one direction only. If the bolt does not go in, rotate the rocker shaft 180 degrees.



19. Reinstall the rocker arm assembly.
20. Adjust the valve clearance.
21. Wipe the cylinder head cover and the contacting surfaces with a shop towel to make sure they are clean and free of oil.

22. Apply liquid gasket to the cam chain case contact areas as shown, then reinstall the cover within 5 minutes.



23. Reinstall the intake manifold chamber assembly.
24. Install the air cleaner.
25. Reinstall the under-cowl panel, the cowl cover, and the windshield wiper arms.
26. Center-punch a completion mark above the 1st character of the engine compartment VIN:

Center-punch here.

JHMG8XXXXXXXXXX

Example of Customer Letter

February 2011

Safety Recall: Lost Motion Springs

Dear Fit Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

What is the reason for this notice?

Honda has decided that a defect, which relates to motor vehicle safety, exists in certain 2009 and 2010 model year Fit vehicles. There is a potential for one or more of the four spring assemblies on the engine's variable valve timing and lift electronic control (VTEC) system to fail which may cause the engine to stall and prevent it from being restarted. An engine stall will increase the risk of a crash.

What should you do?

Call any authorized Honda dealer and make an appointment to have your vehicle repaired. The dealer will inspect and replace the spring assemblies in your engine if necessary. This work will be done free of charge. Please plan to leave your vehicle for a full day to allow the dealer flexibility in scheduling.

Who to contact if you experience problems.

If you are not satisfied with the service you receive from your Honda dealer, you may write to:

American Honda Motor Co., Inc.
Honda Automobile Customer Service
Mail Stop 500-2N-7A
1919 Torrance Blvd.
Torrance, CA 90501-2746

If you believe that American Honda or the dealer has failed or is unable to remedy the defect in your vehicle, without charge, within a reasonable period of time (60 days from the date you first contact the dealer for a repair appointment), you may submit a complaint to:

Administrator
National Highway Traffic Safety Administration
1200 New Jersey Ave., SE
Washington, DC 20590

Or call the toll-free Safety Hotline at 888-327-4236 (TTY 800-424-9153), or go to <http://www.safercar.gov>.

What to do if you feel this notice is in error.

Our records show that you are the current owner or lessee of a 2009 or a 2010 Fit involved in this campaign. If this is not the case, or the name/address information is not correct, please fill out and return the enclosed, postage-paid Information Change Card. We will then update our records.

Lessor information.

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within 10 days.

If you have questions.

If you have any questions about this notice, or need assistance with locating a Honda dealer, please call Honda Automobile Customer Service at 800-999-1009, and select option 4.

We apologize for any inconvenience this campaign may cause you.

Sincerely,

**American Honda Motor Co., Inc.
Honda Automobile Division**