



Applies To: See VEHICLES AFFECTED

April 30, 2004

Safety Recall: Automatic Transmission Second Gear Inspection
(Supersedes 04-021, dated April 23, 2004)**BACKGROUND**

Certain operating conditions can result in heat buildup between the countershaft and secondary shaft second gears in the automatic transmission. Without enough oil flow to dissipate heat, prolonged operation under these conditions can eventually result in decreased material strength. In higher mileage vehicles, this can result in gear tooth chipping or, in very rare cases, gear breakage.

In most cases, transmission noise will indicate a problem, however it is possible for the transmission to become locked without warning. A locked transmission could result in a crash.

VEHICLES AFFECTED

2002-03 Odyssey: ALL

2004 Odyssey: From VIN 5FNRL18.4B000001 thru
5FNRL18.4B051620

2003 Pilot: ALL

2004 Pilot: From VIN 2HKYF18.4H500001 thru
2HKYF18.4H546877**CUSTOMER NOTIFICATION**

All owners of affected vehicles will be sent a notification of this recall. An example of the customer notification is at the end of this service bulletin.

Not all vehicles within the VIN ranges are affected by this recall. Before beginning work on a vehicle, verify its eligibility by checking at least one of these items:

- The customer has a notification letter.
- The vehicle is shown on your campaign responsibility report.
- The vehicle is shown as eligible on an iN VIN status inquiry.

In addition to these verification items, check for a punch mark above the 11th character of the engine compartment VIN. A punch mark in that location means the A/T has already been inspected and repaired.

Some vehicles affected by this recall may be in your new or used vehicle inventory. According to federal law, these vehicles cannot be sold or leased until they are repaired. To see if a vehicle is affected by this recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

Vehicles with 15,000 miles or less:

Install an A/T oil jet kit.

Vehicles with *more than* 15,000 miles:Do a photographic, *not visual*, inspection of the A/T second gear:

- Using the digital camera and camera mount in the A/T Gear Inspection Kit, take five clear photos of the second gear through the countershaft speed sensor hole.
- Load the photos onto an iN workstation, then display them on the monitor.
- Compare the gear color in the photos with the gear colors in the A/T Gear Inspection Guide that came with the camera.
- If you determine that the color of the gear in your photos matches gear level number 1 on the inspection guide, install an A/T Oil Jet Kit.
- If you determine that the color of the gear in your photos matches any gear level other than number 1 on the inspection guide, submit a completed A/T order form, with your digital photographs attached, to RPO Tech Line. RPO will either cancel your A/T order and let you know you need to install an A/T Oil Jet Kit, or process your A/T order so you can install a remanufactured A/T.

PARTS INFORMATION

A/T Oil Jet Kit:

P/N 06250-PGH-305, H/C 7758931

(Contains oil jet, oil jet line with bracket, oil jet hose, ATF filler plug adapter, sealing washer, two O-rings, and three hose clamps)

TOOL INFORMATION

A/T Gear Inspection Kit:

The kit contains these items:

- Canon Powershot A75 digital camera: P/N CNUA75 (with Digital Camera Solution Disk Ver. 17.1 software, USB interface cable, four AA batteries, Compact Flash card, user guide, and quick start guide)

- Two *Streamlight* flexible "white LED" flashlights: P/N STL65618

NOTE: To order additional cameras and flashlights, call the American Honda Tool and Equipment Program at (888) 424-8857.

- Numbering stamp (order by description)
- Ink pad (order by description)

NOTE: Additional numbering stamps and ink pads are available through the American Honda Tool and Equipment program, or commercially.

- Camera mount with bracket, spacer, and storage case: P/N 07AAB-PGHA100, H/C 7754286

- Color bar stickers: P/N 07AAB-PGHA200, H/C 7767643

NOTE: Additional camera mounts and color bar stickers are available through normal parts ordering procedures.

- A/T Gear Inspection Guide: Helm reorder number Y0680

This guide is packaged in the camera mount storage case. It contains photos of the A/T second gear in conditions varying from *good* to *not good*. Use the guide to help you decide the condition of the gear. The gear color determines whether or not a replacement transmission is needed. If you need more inspection guides, order them through Helm at (800) 782-4356

WARRANTY CLAIM INFORMATION

OP#	Description	FRT	Template ID
222108	Vehicles with 15,000 miles or less: Install A/T oil jet kit	0.8	04-021A
222107	Vehicles with more than 15,000 miles: Inspect A/T; install A/T oil jet kit	1.2	04-021B
222108	Odysseys with more than 15,000 miles: Inspect A/T; install remanufactured A/T	7.6	Use a Regular Claim format
222108	Pilots with more than 15,000 miles: Inspect A/T; install remanufactured A/T	8.3	Use a Regular Claim format

Failed Part: P/N 23441-P7W-000
H/C 8274872

Defect Code: 5CS

Symptom Code: P30

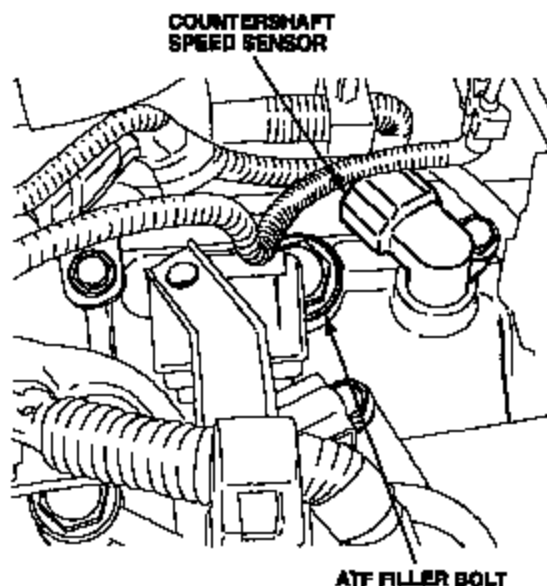
Skill Level: Repair Technician

INSPECTION PROCEDURE

NOTE:

- If you're working on a vehicle with 15,000 miles or less, go directly to **REPAIR PROCEDURE**.
 - If you are viewing this service bulletin on ISIS, you can [CLICK HERE](#) for an animated view of the inspection and repair procedures.
 - For questions on camera adjustment, camera mounting, or gear condition, call RPO Tech Line at (888) 897-7278, and select option #2. Do not call Automobile Tech Line.
 - For questions on camera warranty and camera software, call Canon Technical Support at (800) 828-4040. Do not call the Special Tools Hotline.
 - The system requirements for using Digital Solutions Disk V17.1 camera software are Microsoft Windows 98, Me, 2000, or XP on a PC with built-in USB ports; PC with Pentium 150MHz or higher (Windows 98, Me, or 2000), or Pentium 300 MHz or higher (Windows XP). The camera software cannot be used on systems running Windows NT.
1. Remove the intake manifold cover and the intake air duct. For Odyssey, refer to the 1999-04 Odyssey Service Manual, pages 5-2 and 5-3. For Pilot, refer to the 2003-04 Pilot Service Manual, page 5-2.

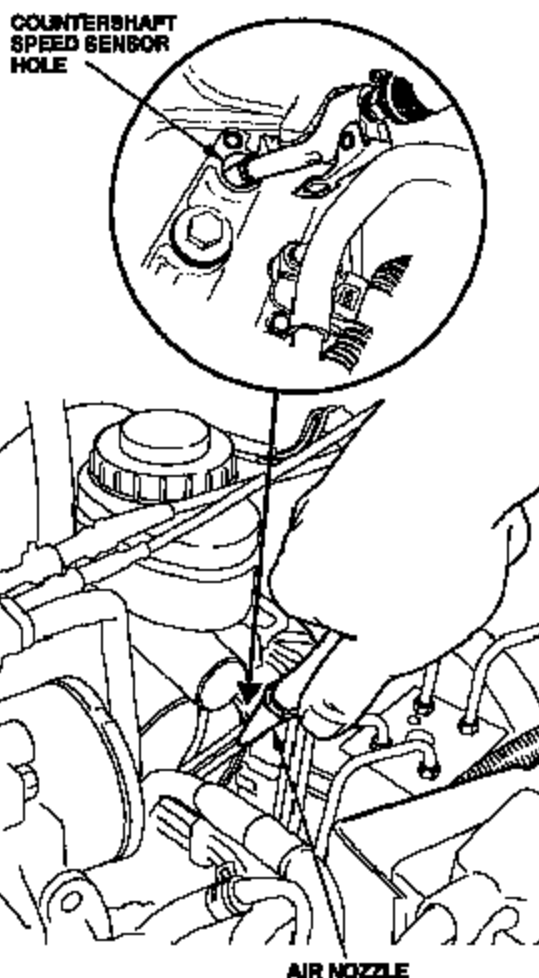
2. Clean the area around the ATF filler bolt, the countershaft speed sensor, and the ATF filter lines.



3. Remove the countershaft speed sensor. For Odyssey, refer to the 1999-04 Odyssey Service Manual, page 14-134. For Pilot, refer to the 2003-04 Pilot Service Manual, page 14-123.

4. Connect an air nozzle to the shop air supply. Insert the air nozzle into the countershaft speed sensor hole, and apply air to the top of the second gear for at least 15 seconds.

NOTE: This step is very important; it removes residual ATF from the second gear so you can see it more clearly. Make sure you blow off the top of the gear completely. Do not use anything but compressed air for this step.

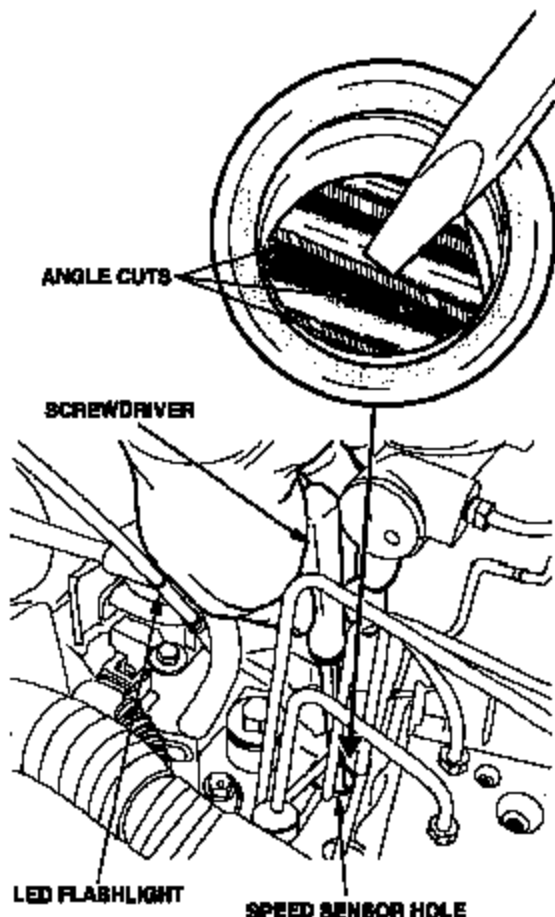


5. Using a clean shop towel, wipe out the bore of the countershaft speed sensor hole.

6. Shine the LED flashlight into the speed sensor hole. Using a small, flat-tip screwdriver, scrape across the top of the gear teeth. This will help you get a clearer photo of the gear.

NOTE:

- If the gear teeth are brighter where you scraped them, it's an initial indication of gear overheating.
- The angle cuts near the top of the gear teeth are not a defect in the gear; they are used to identify gears during transmission assembly.



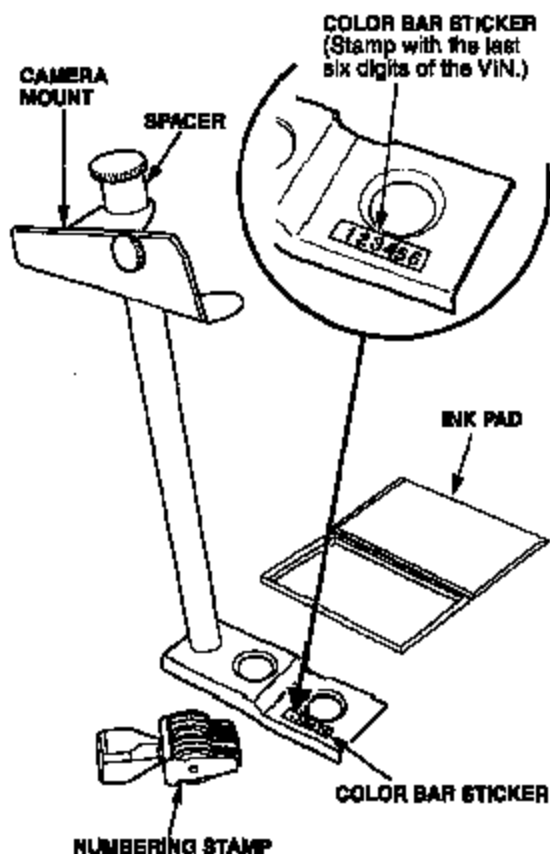
7. Prepare the digital camera for use, and adjust its settings. Most settings are saved after the initial adjustment. Refer to the *Powershot A75 Digital Camera User Guide* and the *Powershot A75 Digital Camera Quick Start Guide* as needed.

- Open the battery door on the bottom of the camera, and install the four AA batteries.
- Open the CF door on the side of the camera, then insert the CF card.
- Turn on the camera, and select Manual mode by rotating the dial on the top of the camera to M.
- Turn on the flash by pressing the Δ button on the back of the camera.
- Press the FUNC. button on the back of the camera, and adjust these mode settings in the Function menu:
 - In the Flash mode, select a flash output of 2/3rds (nine green dashes), then press the down arrow.
 - In the White Balance mode, select Cloudy, then press the down arrow.
 - In the Drive mode, select the rectangle, then press the down arrow.
 - Adjust the ISO speed to 50, then press the down arrow.
 - Select Effect Off, then press the down arrow.
 - Select Center Weighted Avg., then press the down arrow.
 - Select L resolution (2048 x 1536), then press the SET button.
 - Select Superfine compression, then press the FUNC. button.
 - Adjust the shutter speed to 1/200, then press the SET button.
 - Adjust the aperture to F8.0, then press the MENU button.
- Adjust these mode settings in the Rec. Menu:
 - In the AIAF mode, select On, then press the down arrow.
 - In the Red-eye mode, select Off, then press the down arrow.
 - In the AF-assist Beam mode, select On, then press the down arrow.
 - In the Digital Zoom mode, select On, then press the down arrow.
 - Adjust the Review to 5 sec. Press the down arrow, then press the forward arrow.

- Adjust these mode settings in the Setup menu:
 - In the Mute mode, select Off.
 - In the Volume mode, press the forward arrow, then select full volume in all areas (Start-up, Operation, Self-timer, Shutter, and Playback). Press the MENU button, press the down arrow, then press the forward arrow.
 - In the Auto Power Down mode, select Off. Then press the MENU button, and press the down arrow.
 - Set the year, month, day, and time, then press the down arrow twice. (This bypasses the Format mode, which should not be adjusted.)
 - In the File No. Reset mode, select Off, then press the down arrow.
 - In the Auto Rotate mode, select Off, then press the down arrow.
 - In the Distance Units mode, select ft/in. Then press the down arrow, and press the forward arrow.
 - In the Language mode, select English, then press the MENU button, and press the down arrow.
 - In the Video System mode, select NTSC, then press the Menu button. (The My Camera menu does not need adjustment.)
- Every time you turn on the camera, check or adjust these settings:
 - Make sure the flash is on.
 - Select Manual mode by rotating the dial on the top of the camera to M.
 - Turn on the Macro by pressing the down arrow once. (The flower icon appears in the lower right corner of the display.)
 - Set the zoom to 6.0x: Move the zoom lever to the right, hold it for about 3 seconds, then release it; toggle the lever three times to the right until 6.0x appears in the display.

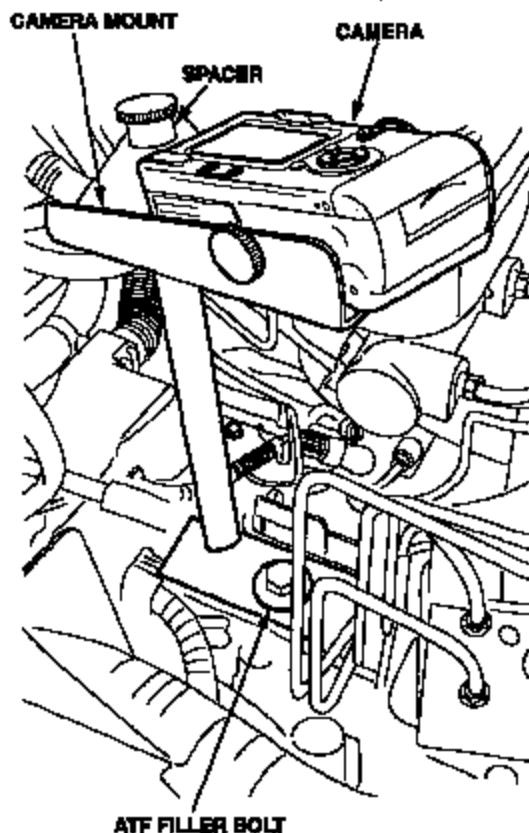
8. Stick a color bar sticker on the base of the camera mount. Using the number stamp and ink pad, dial in the last six digits of the VIN, ink the stamp, and then stamp the VIN onto the color bar sticker.

NOTE: For verification purposes, you'll need to use a new color bar sticker and the correct last six digits of the VIN for each vehicle inspected.



9. Remove the ATF filler bolt.
10. On an Odyssey, remove the junction connector from the bracket.

11. Use the ATF filler bolt to attach the camera mount to the transmission.



12. Attach the camera to the camera mount. Make sure the camera spacer is correctly installed, and be careful not to damage the plastic threads in the bottom of the camera.
13. Turn on the camera. Select Manual mode (M), turn on the macro (the flower icon appears in the lower right corner of the display), and set the digital zoom to 8.0x. Make sure the flash is on.
14. Line up the rectangle in the camera display to the center of the gear inside the speed sensor hole. (The picture in the display will not look as good as the actual photo.)
15. Shine the flexible LED flashlight inside the hole. This helps the camera focus on the gear. You will turn the flashlight off before taking the photo.
16. Push the camera shutter button half way down, and hold it. The rectangle in the camera display turns green to show that the camera is in focus. If the rectangle doesn't turn green, release the shutter button, then hold it half way down again. Repeat this until the rectangle turns green.
17. Turn off the flashlight, and remove it from the area. Press the shutter button all the way down.
18. Repeat steps 14 thru 17 to take five clear photos of the gear. If needed, reposition the camera mount to center your photos.

19. Remove the camera from the camera mount.
20. Remove the camera mount from the transmission.
21. Reinstall the countershaft speed sensor, tighten the sensor bolt to 12 N·m (8.7 lb-ft), and reconnect the sensor connector.

22. Select Play mode by sliding the switch on the back of the camera to ▶. Then turn off the camera.

23. Load the camera software (Digital Solutions Disk V17.1) onto your IN workstation. For loading instructions, refer to the *Powershot A75 Quick Start Guide*, step 6.

NOTE: If you have any software related problems, call Canon Technical Support at (800) 828-4040.

24. Attach the USB interface cable to a USB port on the back of the IN workstation and to the Digital terminal on the left side of the camera.

25. Turn on the camera.

NOTE: The rest of the photo downloading steps are done on the IN workstation, not the camera.

26. When the "Camera Window Download Images" screen appears on the IN display, click on List Images.

27. Click on the images you want to download to the IN workstation.

28. Click on Download Image. The Download Setting menu appears.

29. Click on Create New Folder. Name the new folder the 17-digit VIN you're currently working on. Click on Set as new, then click on OK.

30. To view a photo, double-click on it. Delete any photos you do not intend to use.

31. Using the *Automatic Transmission Gear Inspection Guide* (reorder #Y0680), match the color of the gear in your photos with one of the gear condition levels on the guide. For a good match of gear color, it's helpful to hold the inspection guide next to the monitor. It's also good to get a consensus of the gear color with at least one other person.

NOTE: The color of the gear in your photos should be similar to the photos in the inspection guide. If your photos are not similar, try viewing them on a different monitor.

- If you determine that the color of the gear in your photos matches gear level #1 on the inspection guide, install an oil jet kit. Go to step 3 of REPAIR PROCEDURE.

- If you determine that the color of the gear in your photos matches any gear condition level other than #1 on the inspection guide, send your photos to RPO Tech Line for review. Go to step 32.

32. Bring up the Warranty Automatic Transmission Order form on the iN:

NOTE: For additional information on filling out the order form and uploading images to the iN see the Job Aid, *Quick Start Warranty A/T Order Images*, on ISIS.

- From the iN main menu, click on **Service**.
- From the **Service** drop down menu, click on **Warranty A/T Order**.
- Enter the model and year of the vehicle, then click on **Search**.
- At the top of the screen, click on **Warranty Automatic Transmission Order**.

33. Fill out all required fields on the Warranty Automatic Transmission Order form. (Required fields have a red dot next to them.)

34. In the order form's Service Bulletin 04-021 field, click on **Yes**.

35. Click on **Image Upload**, and browse for the VIN file you are going to upload. Preview the photo if needed by double-clicking on it. If the photo is not clear, select another one. Do this step for each photo you are submitting.

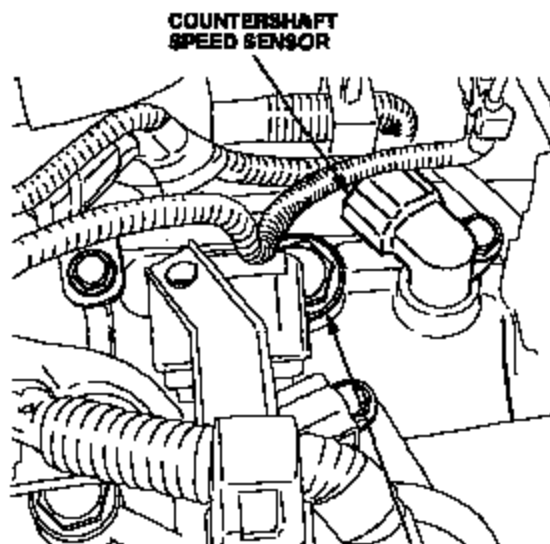
NOTE: Uploading must be done one photo at a time.

36. Click on **Submit** to send the A/T order form and the photos to RPO Tech Line. RPO will review the photos and determine if the transmission needs an oil jet kit or if it needs to be replaced.

- If the gear color is normal, RPO will cancel your transmission order and call to let you know you need to install an oil jet kit. To install an oil jet kit, go to step 3 of **REPAIR PROCEDURE**.
- If the gear color indicates an overheating condition, your transmission order will be processed, RPO will send you an acknowledge e-mail (including the VIN, shipping information, and transmission serial number), and the replacement transmission will be sent as soon as possible. When you receive the replacement transmission, go to step 22 of **REPAIR PROCEDURE**.

REPAIR PROCEDURE

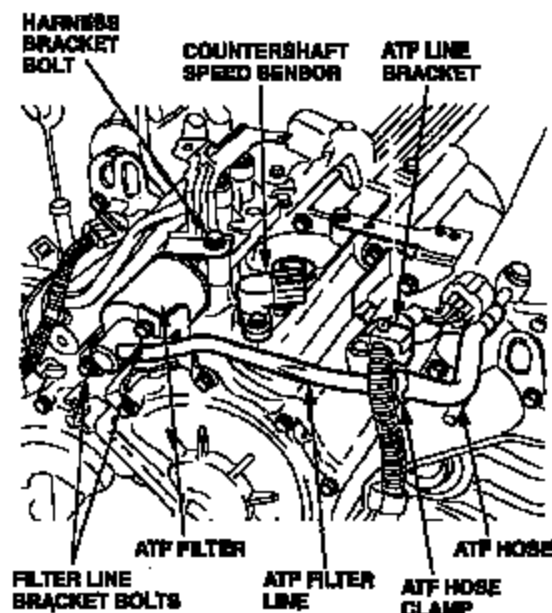
1. Remove the intake manifold cover and the intake air duct. On *Odysseys*, refer to the 1989-04 *Odyssey Service Manual*, pages 5-2 and 5-3. On *Pilots*, refer to the 2003-04 *Pilot Service Manual*, page 5-2.
2. Clean the top of the transmission around the ATF filler bolt, the countershaft speed sensor, and the ATF filter lines.



3. For better access to the ATF filter line assembly on *Pilots*, unbolt the ABS modulator from its mounting bracket, and move the modulator up slightly. For better access to the ATF filter line assembly on *Odysseys*, disconnect the ABS modulator connector, and move the connector out of the way.

4. Disconnect the ATF hose from the ATF filter line, and discard the hose clamp.

**AT BEFORE INSTALLATION OF
A/T OIL JET KIT**

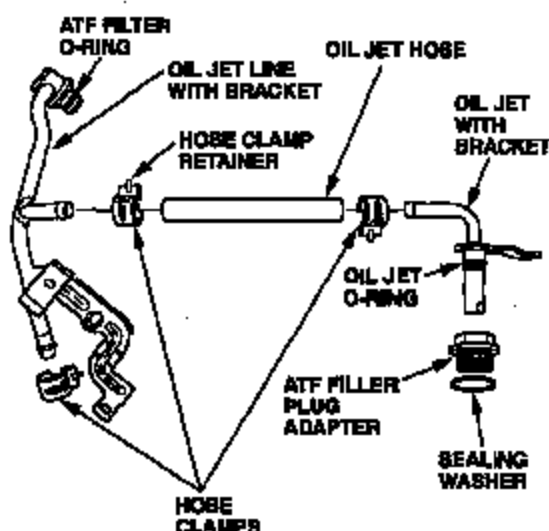


6. Detach the wire harness from the ATF line bracket.
8. Remove the filter line bracket bolts, then remove and discard the ATF filter line assembly.

7. Assemble the A/T Oil Jet Kit.

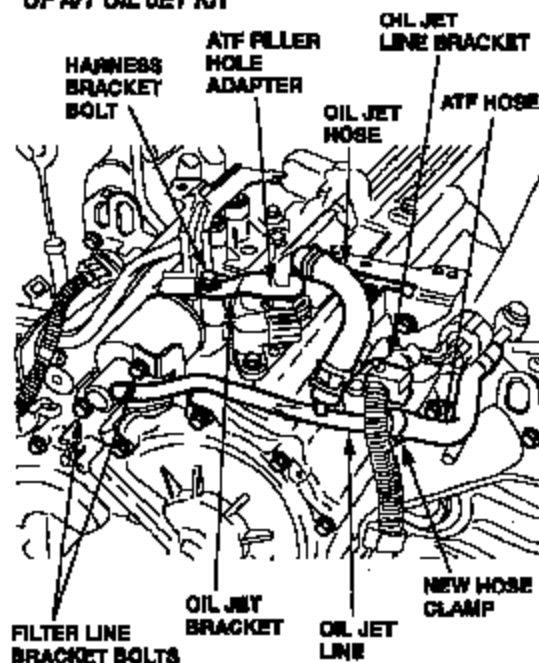
NOTE:

- Make sure there are no kinks in the oil jet hose when you install it on the transmission. Also make sure you insert the oil jet hose to the base of the "T" on the oil jet line.
- Each hose clamp has a retainer to hold it in its spread position. To install a hose clamp, slide it into position (7 mm from the end of the hose), then pull off the retainer with pliers.
- Use clean ATF to lubricate the oil jet O-ring and the ATF filter O-ring before installation.



9. Install the oil jet line on the ATF hose with a new hose clamp.

**AT AFTER INSTALLATION
OF A/T OIL JET KIT**



9. Install the other end of the oil jet line on the ATF filter, and tighten the filter line bracket bolts to 12 N·m (8.7 lb-ft).
10. Remove the harness bracket bolt.
11. If not already done, remove and discard the ATF filter bolt.
12. Install the ATF filler plug adapter with a new sealing washer, and torque the adapter to 44 N·m (33 lb-ft).
13. Insert the oil jet into the filler plug adapter, and make sure the oil jet is flush. Position the oil jet bracket over the harness bracket bolt hole. Reinstall the harness bracket bolt, and torque it to 27 N·m (20 lb-ft).
14. Attach the oil jet line bracket, and torque the bolt to 12 N·m (8.7 lb-ft).
15. Connect the wire harness connector, and attach the harness to the oil jet line bracket.
16. Clean up any residual ATF that spilled when you installed the oil jet kit.
17. On Pilots, Reinstall the ABS modulator. On Odysseys, reconnect the ABS modulator connector.
18. Start the engine. Move the shift lever to Drive, and then to Reverse. Move the shift lever to Drive and then to Park. Raise the idle speed to 1,500 rpm, keep it there for several minutes, then turn off the engine.
19. Check for ATF leaks at the oil jet kit. If you find any leaks, make sure the filler plug adapter, the oil jet, and all hose clamps are correctly installed.
20. Check the ATF level, and add fluid if needed.
21. Reinstall the intake air duct and the intake manifold cover, then go to step 23.
22. Replace the transmission. *For Odyssey, follow the instructions in the 1999-04 Odyssey Service Manual, pages 14-138 thru 14-154. For Pilot, follow the instructions in the 2003-04 Pilot Service Manual, pages 14-138 thru 14-153. On ISIS, use the keywords "trans removal" and "trans install."*

NOTE:

- ATF cooler cleaning is not needed because failure of the transmission was heat-related only.
- Replacement transmissions do not require an A/T Oil Jet Kit.
- When refilling the transmission, use Honda Genuine Transmission Fluid ATF-Z1.
- Make sure you do the idle learn procedure and a front wheel alignment check/adjustment.
- During the road test, you do not need to check the shift points with the HDS.
- After the road test, recheck the ATF level, add fluid if needed, and check for leaks.

23. Center-punch a completion mark above the 11th character of the engine compartment VIN.

Center-punch here.

2HKRL1XXXXXXXXXX

Spring/Summer 2004

**Safety Recall: Automatic Transmission
Second Gear Inspection**

Dear Honda 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 Motor Co., Ltd., has decided that a defect relating to motor vehicle safety exists in certain 2002-04 Odysseys and 2003-04 Pilots. Certain operating conditions can result in heat buildup in the transmission second gear set and may lead to gear tooth chipping. In very rare cases, gear breakage can occur. Gear failure could result in transmission lock-up, and a crash could occur without warning.

What should you do?

Call any authorized Honda dealer and make an appointment to have your vehicle repaired. For vehicles with less than 15,000 miles, the dealer will install an oil jet kit to provide additional lubrication to the gears. For vehicles with more than 15,000 miles, the dealer will inspect the affected gear for heat discoloration, which indicates possible damage. If heat discoloration exists, the dealer will replace the transmission. If heat discoloration is not found, the dealer will install an oil jet kit. This work will be done *free of charge*. Please plan to leave your vehicle all day to allow the dealer flexibility in scheduling the inspection and installing the oil jet kit. If transmission replacement is needed, the work will take more than one day.

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 90501-2748

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
400 Seventh Street, SW
Washington, DC 20590

Or call the toll-free Safety Hotline at (888) 327-4236.

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

Our records show that you are the current owner or lessee of a 2002-04 Odyssey or 2003-04 Pilot 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.

If you paid to have the transmission replaced, you may be eligible for reimbursement. Refer to the attached instructions for eligibility requirements and the reimbursement procedure.

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 contacting a Honda dealer, please call Honda Automobile Customer Service at (800) 999-1009, and select menu option #2.

We apologize for any inconvenience this campaign may cause you.

Sincerely,

American Honda Motor Co., Inc.
Honda Automobile Division

April 30, 2004

Dear Service Manager:

Honda Motor Co., LTD has announced a safety recall campaign for certain 2002-04 Odysseys and 2003-04 Pilots.

Certain operating conditions can result in heat build-up between the countershaft and secondary shaft second gears in the automatic transmission. Without enough oil flow to dissipate heat, prolonged operation under these conditions can eventually result in decreased material strength. In higher mileage vehicles, this can result in gear tooth chipping or, in very rare cases, gear breakage.

In most cases, transmission noise will indicate a problem, however it is possible for the transmission to become locked without warning. A locked transmission could result in a crash.

Affected Vehicles

All 2002-03 Odysseys and 2003 Pilots are affected by this campaign. Also included are some early-production 2004 Odysseys and Pilots. (For the 2004 VINs, refer to Service Bulletin 04-021, *Safety Recall: Automatic Transmission Second Gear Inspection*.) According to Federal law, any new or used affected vehicle in your vehicle inventory cannot be sold or leased until it is repaired.

Repair Strategy

On vehicles with less than 15,000 miles, install an A/T Oil Jet Kit (no inspection needed). The oil jet kit sends a supply of ATF directly to the second gears, preventing heat build-up.

For all other vehicles, inspect the second gear through the countershaft speed sensor hole, and take five clear photos of the gear using the camera and equipment in the supplied A/T Gear Inspection Kit. Then view the photos on your IN workstation, and compare them to the gear color levels in the supplied A/T Gear Inspection Guide.

- If you determine that the color of the gear in your photos matches gear level #1 on the A/T Gear Inspection Guide, install an A/T Oil Jet Kit.
- If you determine the color of the gear in your photos matches any gear level other than number 1 on the A/T Gear Inspection Guide, submit a completed A/T order form, with your digital photographs, to RPO Tech Line. RPO will either cancel your A/T order and let you know you need to install an A/T Oil Jet Kit, or process your A/T order so you can install a remanufactured A/T.

For inspection, repair, ordering, and warranty information, refer to Service Bulletin 04-021, *Safety Recall: Automatic Transmission Second Gear Inspection*.

Tool Information

An A/T Gear Inspection Kit was sent to each dealer on April 21. The kit contains a digital camera, a camera mount, a laminated A/T Gear Inspection Guide, and everything else you need to take photos of the second gear.

Parts Information

Last week, we sent you enough oil jet kits to repair your in-stock vehicles and to handle critical case customers. A second allocation of oil jet kits will be sent today, and a third will be sent on May 4. After that, the Integrated Campaign Control System will automatically replace any kits you use.

Customer Notification

Notifications will be mailed to all owners over a period of time, starting with the owners of the oldest vehicles first. Mailings begin around May 12. As soon as possible, we will let you know, via the IN, the specific mail dates.

Please direct any rental car requests to your DPSM.

Sincerely,

American Honda Motor Co., Inc.
Honda Automobile Division



Applies To: 2001-02 MDX - ALL

April 30, 2004

Safety Recall: Automatic Transmission Second Gear Inspection
(Supersedes 04-013, dated April 23, 2004)**BACKGROUND**

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CUSTOMER NOTIFICATION

All owners of affected vehicles will be sent a notification of this recall. An example of the customer notification is at the end of this service bulletin.

Not all vehicles within the VIN ranges are affected by this recall. Before beginning work on a vehicle, verify its eligibility by checking at least one of these items:

- The customer has a notification letter.
- The vehicle is shown on your campaign responsibility report.
- The vehicle is shown as eligible on an IN VIN status inquiry.

In addition to these verification items, check for a punch mark above the eighth character of the engine compartment VIN. A punch mark in that location means the A/T has already been inspected and repaired.

Some vehicles affected by this recall may be in your used vehicle inventory. According to federal law, these vehicles cannot be sold or leased until they are repaired. To see if a vehicle is affected by this recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

Vehicles with 15,000 miles or less:

Install an A/T oil jet kit.

Vehicles with *more than* 15,000 miles:

Do a photographic, *not visual*, inspection of the A/T second gear:

- Using the digital camera and camera mount in the A/T Gear Inspection Kit, take five clear photos of the second gear through the countershaft speed sensor hole.
- Load the photos onto an IN workstation, then display them on the monitor.
- Compare the gear color in the photos with the gear colors in the A/T Gear Inspection Guide that came with the camera.
- If you determine that the color of the gear in your photos matches gear level number 1 on the inspection guide, install an A/T Oil Jet Kit.
- If you determine that the color of the gear in your photos matches any gear level other than number 1 on the inspection guide, submit a completed A/T order form, with your digital photographs attached, to RPO Tech Line. RPO will either cancel your A/T order and let you know you need to install an A/T Oil Jet Kit, or process your A/T order so you can install a remanufactured A/T.

PARTS INFORMATION

A/T Oil Jet Kit:

P/N 08250-PGH-305

(Contains oil jet, oil jet line with bracket, oil jet hose, ATF filter plug adapter, sealing washer, two O-rings, and three hose clamps)



CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

TOOL INFORMATION

A/T Gear Inspection Kit:

The kit contains these items:

- Canon Powershot A75 digital camera:
P/N CNUA75
(with Digital Camera Solution Disk Ver. 17.1 software, USB interface cable, four AA batteries, Compact Flash card, user guide, and quick start guide)
- Two Streamlight flexible "white LED" flashlights:
P/N STL66818

NOTE: To order additional cameras and flashlights, call the American Honda Tool and Equipment Program at (888) 424-8857.

- Numbering stamp (order by description)
- Ink pad (order by description)

NOTE: Additional numbering stamps and ink pads are available through the American Honda Tool and Equipment program, or commercially.

- Camera mount with bracket, spacer, and storage case: P/N 07AAB-PGHA100
- Color bar stickers: P/N 07AAB-PGHA200

NOTE: Additional camera mounts and color bar stickers are available through normal parts ordering procedures.

- A/T Gear Inspection Guide:
Helm reorder number E2393
This guide is packaged in the camera mount storage case. It contains photos of the A/T second gear in conditions varying from good to not good. Use the guide to help you decide the condition of the gear. The gear color determines whether or not a replacement transmission is needed. If you need more inspection guides, order them through Helm at (800) 782-4358.

WARRANTY CLAIM INFORMATION

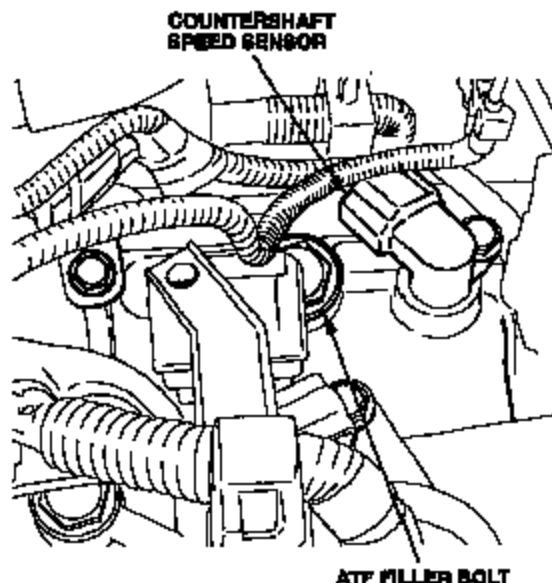
OP#	Description	FRT	Template ID
222106	Vehicles with 15,000 miles or less: Install A/T oil jet kit	0.6	04-013A
222107	Vehicles with more than 15,000 miles: Inspect A/T; install A/T oil jet kit	1.2	04-013B
222108	Vehicles with more than 15,000 miles: Inspect A/T; install remanufactured A/T	6.3	Use a Regular Claim format

Failed Part: P/N 23441-P7W-000
Defect Code: 5CS
Symptom Code: P31
Skill Level: Repair Technician

INSPECTION PROCEDURE

NOTE:

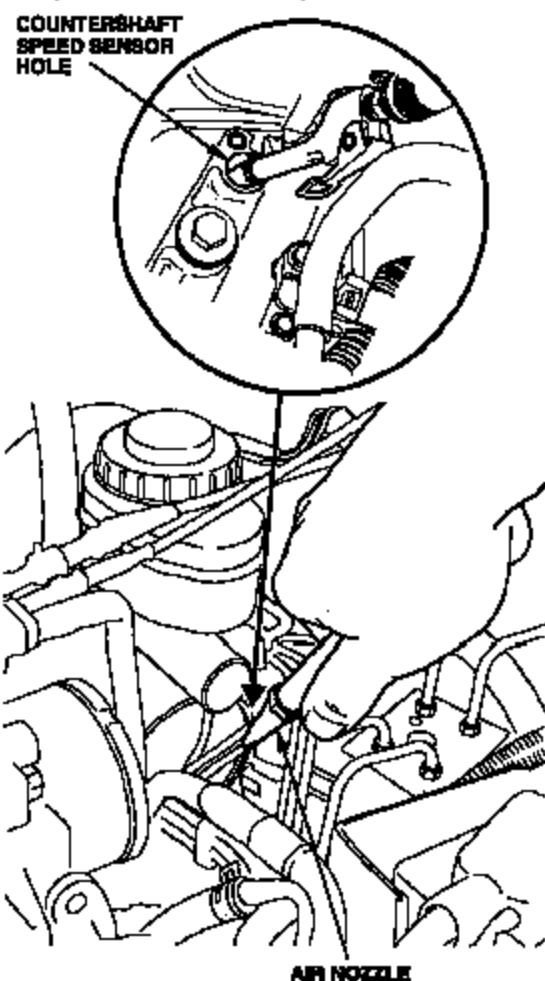
- If you're working on a vehicle with 15,000 miles or less, go directly to **REPAIR PROCEDURE**.
 - If you are viewing this service bulletin on ISIS, you can [CLICK HERE](#) for an animated view of the inspection and repair procedures.
 - For questions on camera adjustment, camera mounting, or gear condition, call RPO Tech Line at (888) 997-7278, and select option #2. Do not call Automobile Tech Line.
 - For questions on camera warranty and camera software, call Canon Technical Support at (800) 828-4040. Do not call the Special Tools Hotline.
 - The system requirements for using Digital Solutions Disk V17.1 camera software are Microsoft Windows 98, Me, 2000, or XP on a PC with built-in USB ports; PC with Pentium 150MHz or higher (Windows 98, Me, or 2000), or Pentium 300 MHz or higher (Windows XP). The camera software cannot be used on systems running Windows NT.
1. Remove the Intake manifold cover and the intake air duct. Refer to the 2001-02 MDX Service Manual, page 5-2.
 2. Clean the area around the ATF filler bolt, the countershaft speed sensor, and the ATF filter lines.



3. Remove the countershaft speed sensor. Refer to page 14-128 of the service manual.

4. Connect an air nozzle to the shop air supply. Insert the air nozzle into the countershaft speed sensor hole, and apply air to the top of the second gear for at least 15 seconds.

NOTE: This step is very important; it removes residual ATF from the second gear so you can see it more clearly. Make sure you blow off the top of the gear completely. Do not use anything but compressed air for this step.

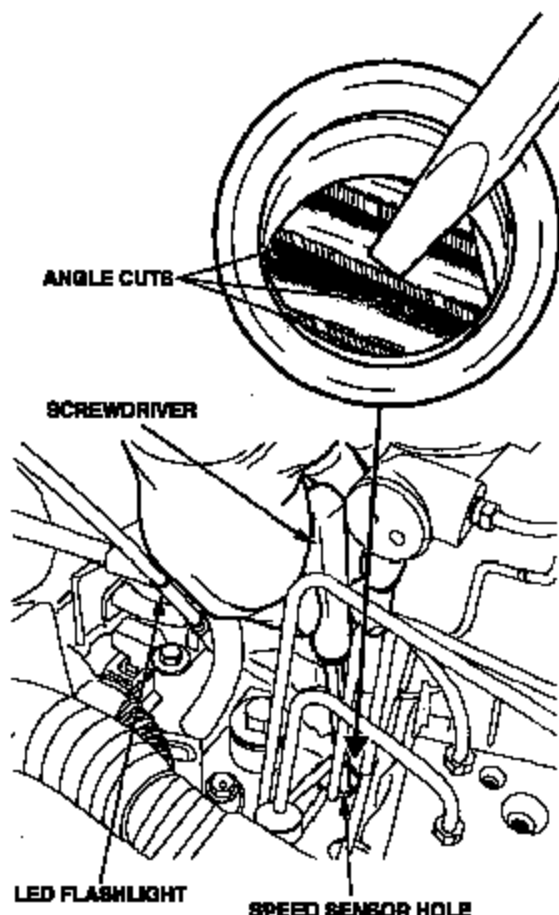


5. Using a clean shop towel, wipe out the bore of the countershaft speed sensor hole.

6. Shine the LED flashlight into the speed sensor hole. Using a small, flat-tip screwdriver, scrape across the top of the gear teeth. This will help you get a clearer photo of the gear.

NOTE:

- If the gear teeth are brighter where you scraped them, it's an initial indication of gear overheating.
- The angle cuts near the top of the gear teeth are not a defect in the gear; they are used to identify gears during transmission assembly.



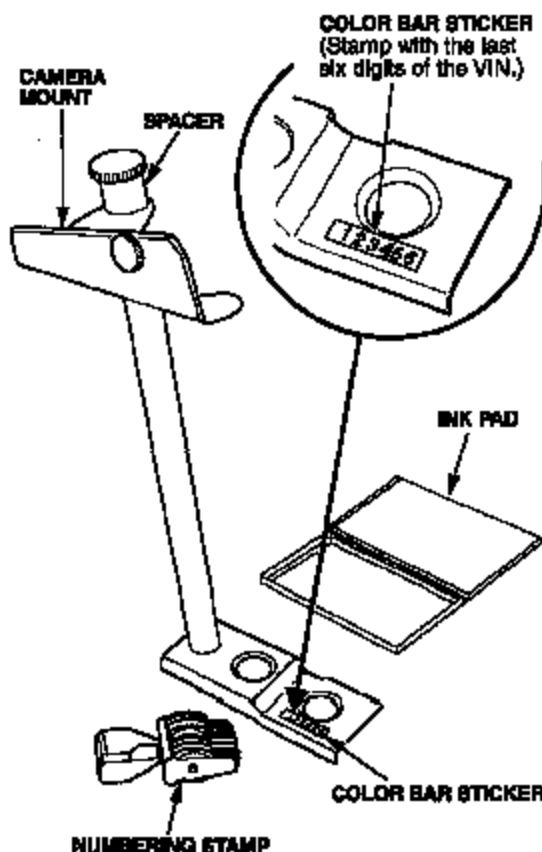
7. Prepare the digital camera for use, and adjust its settings. Most settings are saved after the initial adjustment. Refer to the *Powershot A75 Digital Camera User Guide* and the *Powershot A75 Digital Camera Quick Start Guide* as needed.

- Open the battery door on the bottom of the camera, and install the four AA batteries.
- Open the CF door on the side of the camera, then insert the CF card.
- Turn on the camera, and select Manual mode by rotating the dial on the top of the camera to M.
- Turn on the flash by pressing the **A** button on the back of the camera.
- Press the **FUNC.** button on the back of the camera, and adjust these mode settings in the Function menu:
 - In the Flash mode, select a flash output of 2/3rd (nine green dashes), then press the down arrow.
 - In the White Balance mode, select Cloudy, then press the down arrow.
 - In the Drive mode, select the rectangle, then press the down arrow.
 - Adjust the ISO speed to 50, then press the down arrow.
 - Select Effect Off, then press the down arrow.
 - Select Center Weighted Avg., then press the down arrow.
 - Select L resolution (2048 x 1536), then press the SET button.
 - Select Superfine compression, then press the **FUNC.** button.
 - Adjust the shutter speed to 1/200, then press the SET button.
 - Adjust the aperture to F8.0, then press the MENU button.
- Adjust these mode settings in the Rec. Menu:
 - In the AIAF mode, select On, then press the down arrow.
 - In the Red-eye mode, select Off, then press the down arrow.
 - In the AF-assist Beam mode, select On, then press the down arrow.
 - In the Digital Zoom mode, select On, then press the down arrow.
 - Adjust the Review to 5 sec. Press the down arrow, then press the forward arrow.

- Adjust these mode settings in the Setup menu:
 - In the Mute mode, select Off.
 - In the Volume mode, press the forward arrow, then select full volume in all areas (Start-up, Operation, Self-timer, Shutter, and Playback). Press the MENU button, press the down arrow, then press the forward arrow.
 - In the Auto Power Down mode, select Off. Then press the MENU button, and press the down arrow.
 - Set the year, month, day, and time, then press the down arrow twice. (This bypasses the Format mode, which should not be adjusted.)
 - In the File No. Reset mode, select Off, then press the down arrow.
 - In the Auto Rotate mode, select Off, then press the down arrow.
 - In the Distance Units mode, select ft/in. Then press the down arrow, and press the forward arrow.
 - In the Language mode, select English, then press the MENU button, and press the down arrow.
 - In the Video System mode, select NTSC, then press the Menu button. (The My Camera menu does not need adjustment.)
- Every time you turn on the camera, check or adjust these settings:
 - Make sure the flash is on.
 - Select Manual mode by rotating the dial on the top of the camera to M.
 - Turn on the Macro by pressing the down arrow once. (The flower icon appears in the lower right corner of the display.)
 - Set the zoom to 6.0x: Move the zoom lever to the right, hold it for about 3 seconds, then release it; toggle the lever three times to the right until 6.0x appears in the display.

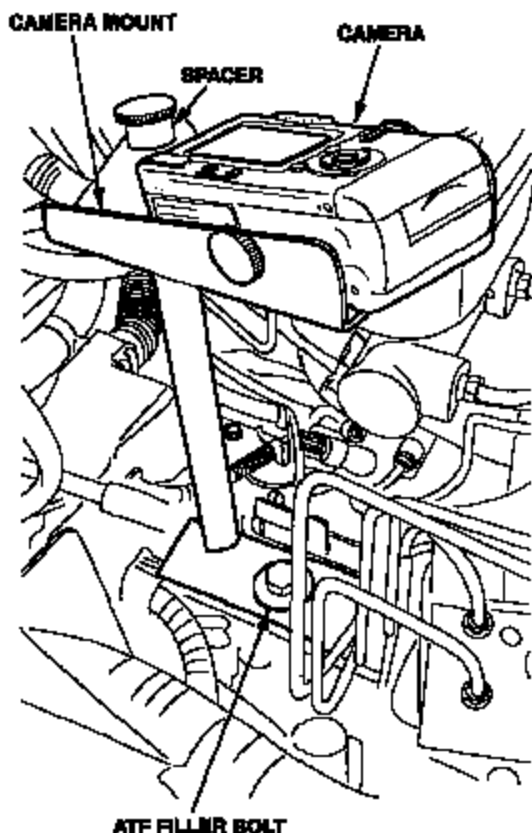
8. Stick a color bar sticker on the base of the camera mount. Using the number stamp and ink pad, dial in the last six digits of the VIN, ink the stamp, and then stamp the VIN onto the color bar sticker.

NOTE: For verification purposes, you'll need to use a new color bar sticker and the correct last six digits of the VIN for each vehicle inspected.



9. Remove the ATF filler bolt.

10. Use the ATF filler bolt to attach the camera mount to the transmission.



11. Attach the camera to the camera mount. Make sure the camera spacer is correctly installed, and be careful not to damage the plastic threads in the bottom of the camera.
12. Turn on the camera. Select Manual mode (M), turn on the macro (the flower icon appears in the lower right corner of the display), and set the digital zoom to 6.0x. Make sure the flash is on.
13. Line up the rectangle in the camera display to the center of the gear inside the speed sensor hole. (The picture in the display will not look as good as the actual photo.)
14. Shine the flexible LED flashlight inside the hole. This helps the camera focus on the gear. You will turn the flashlight off before taking the photo.
15. Push the camera shutter button half way down, and hold it. The rectangle in the camera display turns green to show that the camera is in focus. If the rectangle doesn't turn green, release the shutter button, then hold it half way down again. Repeat this until the rectangle turns green.
16. Turn off the flashlight, and remove it from the area. Press the shutter button all the way down.
17. Repeat steps 13 thru 16 to take five clear photos of the gear. If needed, reposition the camera mount to center your photos.

18. Remove the camera from the camera mount.
19. Remove the camera mount from the transmission.
20. Reinstall the countershaft speed sensor, tighten the sensor bolt to 12 N.m (8.7 lb-ft), and reconnect the sensor connector.

21. Select Play mode by sliding the switch on the back of the camera to 4. Then turn off the camera.

22. Load the camera software (Digital Solutions Disk V17.1) onto your IN workstation. For loading instructions, refer to the *PowerShot A75 Quick Start Guide*, step 8.

NOTE: If you have any software related problems, call Canon Technical Support at (800) 828-4040.

23. Attach the USB Interface cable to a USB port on the IN workstation and to the Digital terminal on the left side of the camera.

24. Turn on the camera.

NOTE: The rest of the photo downloading steps are done on the IN workstation, not the camera.

25. When the "Camera Window Download Images" screen appears on the IN display, click on **List Images**.

26. Click on the images you want to download to the IN workstation.

27. Click on **Download Image**. The Download Setting menu appears.

28. Click on **Create New Folder**. Name the new folder the 17-digit VIN you're currently working on. Click on **Set as new**, then click on **OK**.

29. To view a photo, double-click on it. Delete any photos you do not intend to use.

30. Using the *Automatic Transmission Gear Inspection Guide* (reorder #E2393), match the color of the gear in your photos with one of the gear condition levels on the guide. For a good match of gear color, it's helpful to hold the inspection guide next to the monitor. It's also good to get a consensus of the gear color with at least one other person.

NOTE: The color of the gear in your photos should be similar to the photos in the inspection guide. If your photos are not similar, try viewing them on a different monitor.

- If you determine that the color of the gear in your photos matches gear level #1 on the inspection guide, install an oil jet kit. Go to step 3 of **REPAIR PROCEDURE**.
- If you determine that the color of the gear in your photos matches any gear condition level other than #1 on the inspection guide, send your photos to RPO Tech Line for review. Go to step 31.

31. Bring up the Warranty Automatic Transmission Order form on the IN:

NOTE: For additional information on filling out the order form and uploading images to the IN see the Job Aid, *Quick Start Warranty A/T Order Images*, on ISIS.

- From the IN main menu, click on **Service**.
- From the Service drop down menu, click on **Warranty A/T Order**.
- Enter the model and year of the vehicle, then click on **Search**.
- At the top of the screen, click on **Warranty Automatic Transmission Order**.

32. Fill out all required fields on the Warranty Automatic Transmission Order form. (Required fields have a red dot next to them.)

33. In the order form's Service Bulletin 04-013 field, click on **Yes**.

34. Click on **Image Upload**, and browse for the VIN file you are going to upload. Preview the photo if needed by double-clicking on it. If the photo is not clear, select another one. Do this step for each photo you are submitting.

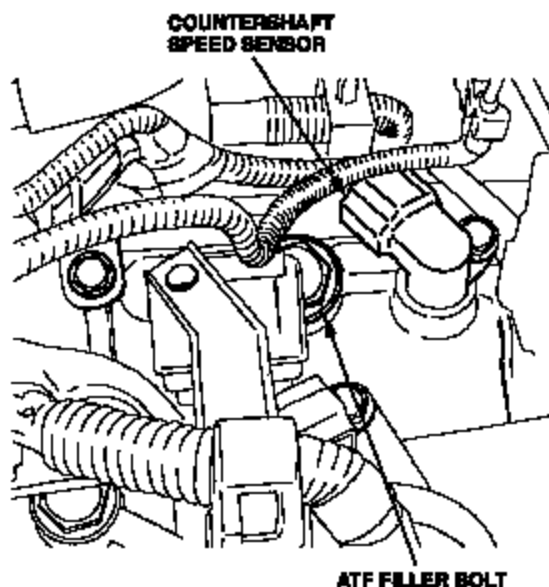
NOTE: Uploading must be done one photo at a time.

35. Click on **Submit** to send the A/T order form and the photos to RPO Tech Line. RPO will review the photos and determine if the transmission needs an oil jet kit or if it needs to be replaced.

- If the gear color is normal, RPO will cancel your transmission order and call to let you know you need to install an oil jet kit. To install an oil jet kit, go to step 3 of **REPAIR PROCEDURE**.
- If the gear color indicates an overheating condition, your transmission order will be processed. RPO will send you an acknowledge e-mail (including the VIN, shipping information, and transmission serial number), and the replacement transmission will be sent as soon as possible. When you receive the replacement transmission, go to step 22 of **REPAIR PROCEDURE**.

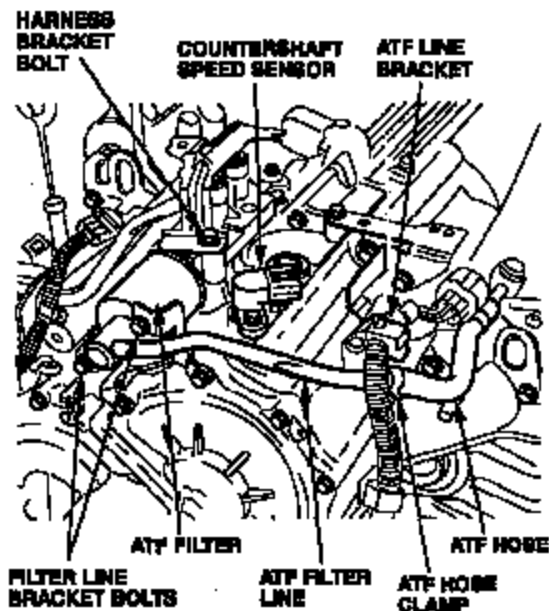
REPAIR PROCEDURE

1. Remove the intake manifold cover and the intake air duct. Refer to the 2001-02 MDX Service Manual, page 5-2.
2. Clean the top of the transmission around the ATF filler bolt, the countershaft speed sensor, and the ATF filter lines.



3. For better access to the ATF filter line assembly, unbolt the ABS modulator from its mounting bracket, and move the modulator up slightly.
4. Disconnect the ATF hose from the ATF filter line, and discard the hose clamp.

AT BEFORE INSTALLATION OF AT OIL JET KIT

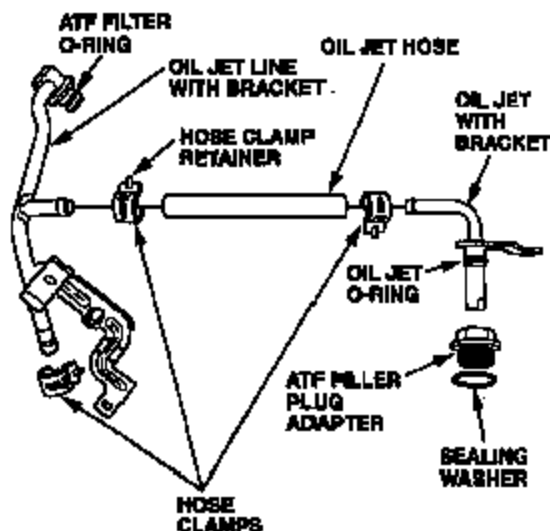


5. Detach the wire harness from the ATF line bracket.

6. Remove the filter line bracket bolts, then remove and discard the ATF filter line assembly.
7. Assemble the AT Oil Jet Kit.

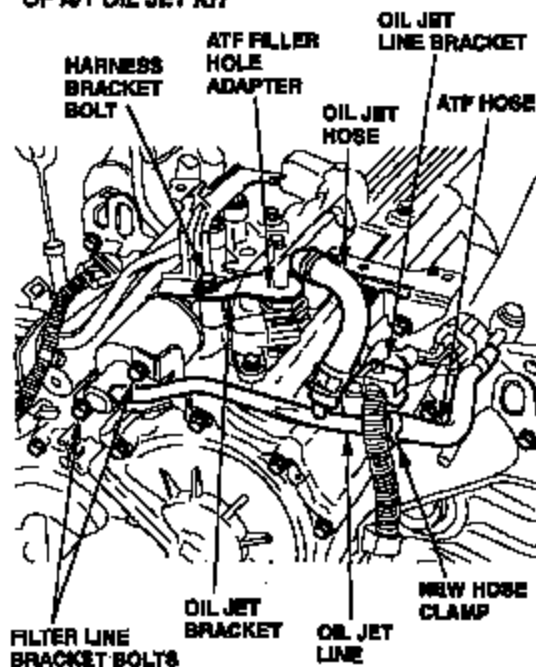
NOTE:

- Make sure there are no kinks in the oil jet hose when you install it on the transmission. Also make sure you insert the oil jet hose to the base of the "T" on the oil jet line.
- Each hose clamp has a retainer to hold it in its spread position. To install a hose clamp, slide it into position (7 mm from the end of the hose), then pull off the retainer with pliers.
- Use clean ATF to lubricate the oil jet O-ring and the ATF filter O-ring before installation.



8. Install the oil jet line on the ATF hose with a new hose clamp.

**A/T AFTER INSTALLATION
OF A/T OIL JET KIT**



9. Install the other end of the oil jet line on the ATF filter, and tighten the filter line bracket bolts to 12 N.m (8.7 lb-ft).
10. Remove the harness bracket bolt.
11. If not already done, remove and discard the ATF filler bolt.
12. Install the ATF filler plug adapter with a new sealing washer, and torque the adapter to 44 N.m (33 lb-ft).
13. Insert the oil jet into the filler plug adapter, and make sure the oil jet is flush. Position the oil jet bracket over the harness bracket bolt hole. Reinstall the harness bracket bolt, and torque it to 27 N.m (20 lb-ft).
14. Attach the oil jet line bracket, and torque the bolt to 12 N.m (8.7 lb-ft).
15. Connect the wire harness connector, and attach the harness to the oil jet line bracket.
16. Clean up any residual ATF that spilled when you installed the oil jet kit.
17. Reinstall the ABS modulator.
18. Start the engine. Move the shift lever to Drive, and then to Reverse. Move the shift lever to Drive and then to Park. Raise the idle speed to 1,500 rpm, keep it there for several minutes, then turn off the engine.
19. Check for ATF leaks at the oil jet kit. If you find any leaks, make sure the filler plug adapter, the oil jet, and all hose clamps are correctly installed.
20. Check the ATF level, and add fluid if needed.

21. Reinstall the intake air duct and the intake manifold cover, then go to step 23.

22. Replace the transmission. Follow the instructions on pages 14-138 thru 14-158 of the service manual. *On ISIS*, use the keywords "trans removal" and "trans install."

NOTE:

- ATF cooler cleaning is not needed because failure of the transmission was heat-related only.
- Replacement transmissions do not require an A/T Oil Jet Kit.
- When refilling the transmission, use Honda Genuine Transmission Fluid ATF-Z1.
- Make sure you do the idle learn procedure and a front wheel alignment check/adjustment.
- During the road test, you do not need to check the shift points with the HDS.
- After the road test, recheck the ATF level, add fluid if needed, and check for leaks.

23. Center-punch a completion mark above the eighth character of the engine compartment VIN.

Center-punch here.

2HNYD1XXXXXXXXXXXX

Spring/Summer 2004

**Safety Recall: Automatic Transmission
Second Gear Inspection**

Dear MDX 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 Motor Co., Ltd., has decided that a defect relating to motor vehicle safety exists in certain 2001-02 MDXs. Certain operating conditions can result in heat buildup in the transmission second gear set and may lead to gear tooth chipping. In very rare cases, gear breakage can occur. Gear failure could result in transmission lock-up, and a crash could occur without warning.

What should you do?

Call any authorized Acura dealer and make an appointment to have your vehicle repaired. For vehicles with less than 15,000 miles, the dealer will install an oil jet kit to provide additional lubrication to the gears. For vehicles with more than 15,000 miles, the dealer will inspect the affected gear for heat discoloration, which indicates possible damage. If heat discoloration exists, the dealer will replace the transmission. If heat discoloration is not found, the dealer will install an oil jet kit. This work will be done *free of charge*. Please plan to leave your vehicle all day to allow the dealer flexibility in scheduling the inspection and installing the oil jet kit. If transmission replacement is needed, the work will take more than one day.

Who to contact if you experience problems.

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

American Honda Motor Co., Inc.
Acura Client Services
Mail Stop 500-2N-7E
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 (90 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
400 Seventh Street, SW
Washington, DC 20590

Or call the toll-free Safety Hotline at (888) 327-4236.

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

Our records show that you are the current owner or lessee of a 2001-02 MDX 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.

If you paid to have the transmission replaced, you may be eligible for reimbursement. Refer to the attached instructions for eligibility requirements and the reimbursement procedure.

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 contacting an Acura dealer, please call Acura Client Services at (800) 382-2238, and select menu option #2.

We apologize for any inconvenience this campaign may cause you.

Sincerely,

American Honda Motor Co., Inc.
Acura Automobile Division

April 30, 2004

Dear Service Manager:

Honda Motor Co., LTD has announced a safety recall campaign for all 2001-02 MDXs.

Certain operating conditions can result in heat build-up between the countershaft and secondary shaft second gears in the automatic transmission. Without enough oil flow to dissipate heat, prolonged operation under these conditions can eventually result in decreased material strength. In higher mileage vehicles, this can result in gear tooth chipping or, in very rare cases, gear breakage.

In most cases, transmission noises will indicate a problem, however it is possible for the transmission to become locked without warning. A locked transmission could result in a crash.

Affected Vehicles

All 2001-02 MDXs are affected by this campaign, including those in your used vehicle inventory. According to Federal law, any used affected vehicle in your vehicle inventory cannot be sold or leased until they are repaired.

Repair Strategy

On vehicles with less than 15,000 miles, install an A/T Oil Jet Kit (no inspection needed). The oil jet kit sends a supply of ATF directly to the second gears, preventing heat build-up.

For all other vehicles, inspect the second gear through the countershaft speed sensor hole, and take five clear photos of the gear using the camera and equipment in the supplied A/T Gear Inspection Kit. Then view the photos on your IN workstation, and compare them to the gear color levels in the supplied A/T Gear Inspection Guide.

- If you determine that the color of the gear in your photos matches gear level #1 on the A/T Gear Inspection Guide, install an A/T Oil Jet Kit.
- If you determine the color of the gear in your photos matches any gear level other than number 1 on the A/T Gear Inspection Guide, submit a completed A/T order form, with your digital photographs, to RPO Tech Line. RPO will either cancel your A/T order and let you know you need to install an A/T Oil Jet Kit, or process your A/T order so you can install a remanufactured A/T.

For inspection, repair, ordering, and warranty information, refer to Service Bulletin 04-013, *Safety Recall: Automatic Transmission Second Gear Inspection*.

Tool Information

An A/T Gear Inspection Kit was sent to each dealer on April 21. The kit contains a digital camera, a camera mount, a laminated A/T gear inspection guide, and everything else you need to take photos of the second gear.

Parts Information

Last week, we sent you enough oil jet kits to repair your in-stock vehicles and to handle critical case customers. A second allocation of oil jet kits will be sent today, and a third will be sent on May 4. After that, the Integrated Campaign Control System will automatically replace any kits you use.

Customer Notification

Notifications will be mailed to all owners over a period of time, starting with the owners of the oldest vehicles first. Mailings begin around May 12. As soon as possible, we will let you know, via the IN, the specific mail dates.

Please direct any rental car requests to your DPSM.

Sincerely,

American Honda Motor Co., Inc.
Acura Automobile Division

Applies To: See **VEHICLES AFFECTED**

July 16, 2004

Safety Recall: Accord V6 Automatic Transmission Second Gear Inspection
(Replaces Preliminary Service Bulletin 04-037, dated July 1, 2004)**BACKGROUND**

Certain operating conditions can result in heat buildup between the countershaft and secondary shaft second gears in the automatic transmission. Without enough oil flow to dissipate heat, prolonged operation under these conditions can eventually result in decreased material strength. In higher mileage vehicles, this can result in gear tooth chipping or, in very rare cases, gear breakage.

In most cases, transmission noise will indicate a problem, however it is possible for the transmission to become locked without warning. A locked transmission could result in a crash.

VEHICLES AFFECTED**2003 Accord V6 2-Door and 4-Door: All****2004 Accord V6 2-Door:**

From VIN 1HGCM82.4A000001 thru
1HGCM82.4A007538

2004 Accord V6 4-Door:

From VIN 1HGCM86.4A000001 thru
1HGCM86.4A030387

VIN 1HGCM86.4A032783

VIN 1HGCM86.4A036643

VIN 1HGCM86.4A039358

VIN 1HGCM86.4A040381

CUSTOMER NOTIFICATION

All owners of affected vehicles will be sent a notification of this recall. An example of the customer notification is at the end of this service bulletin.

Not all vehicles within the VIN ranges are affected by this recall. Before beginning work on a vehicle, verify its eligibility by checking at least one of these items:

- The customer has a notification letter.
- The vehicle is shown on your campaign responsibility report.
- The vehicle is shown as eligible on an IN VIN status inquiry.

In addition to these verification items, check for a punch mark above the 11th character of the engine compartment VIN. A punch mark in that location means the A/T has already been inspected and repaired.

Some vehicles affected by this recall may be in your new or used vehicle inventory. According to federal law, these vehicles cannot be sold or leased until they are repaired. To see if a vehicle is affected by this recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

NOTE: To confirm that an updated remanufactured A/T was installed during a previous repair and that it does not need an oil jet kit, use the IN VIN status inquiry. If there is a "C" next to S/B 04-037 on the VIN status inquiry screen, the transmission has been replaced with an updated remanufactured unit. If so, return the vehicle to the customer. *There is no external way to tell if a remanufactured A/T has been updated.*

Vehicles with 15,000 miles or less:

Install an A/T oil jet kit.

Vehicles with more than 15,000 miles:

Do a photographic, *not visual*, inspection of the A/T second gear:

- Using the digital camera and camera mount in the A/T Gear Inspection Kit, take five clear photos of the second gear through the countershaft speed sensor hole.
- Load the photos onto an IN workstation, then display them on the monitor.
- Compare the gear color in the photos with the gear colors in the A/T Gear Inspection Guide that came with the camera.
- If you determine that the color of the gear in your photos matches gear level number 1 on the inspection guide, install an A/T Oil Jet Kit.
- If you determine that the color of the gear in your photos matches any gear level other than number 1 on the inspection guide, submit a completed A/T order form, with your digital photographs attached, to RPO Tech Line. RPO will either cancel your A/T order and let you know you need to install an A/T Oil Jet Kit, or process your A/T order so you can install a remanufactured A/T.

NOTE: If you replace the transmission on a 2003 Accord V6 2-door (thru VIN 1HGCM82.3A035060) or 2003 Accord V6 4-door (thru VIN 1HGCM86.3A091630), the PCM needs to be updated. Refer to service bulletin 03-070, *PCM Update With Automatic Transmission Replacement*.



CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

ONLINE ANIMATED SERVICE BULLETIN

If you are viewing this service bulletin on ISIS, you can [CLICK HERE](#) for an animated view of the inspection and repair procedures.

PARTS INFORMATION

NOTE: Even though they look similar, oil jet kits are not interchangeable because the diameter of the oil jet is different between models. Make sure you use the correct kit.

A/T Oil Jet Kit:

P/N 06250-RDG-315, H/C 7808494

(Contains oil jet, oil jet line with bracket, oil jet hose, ATF filler plug adapter, three sealing washers, one O-ring, three hose clamps, and two vacuum line clips)

TOOL INFORMATION

A/T Gear Inspection Kit:

NOTE: This is the same kit you received earlier to inspect Odyssey and Pilot transmissions.

The kit contains these items:

- Canon Powershot A75 digital camera:
P/N CNUA75
(with Digital Camera Solution Disk Ver. 17.1 software, USB interface cable, four AA batteries, Compact Flash card, user guide, and quick start guide)
- Two Streamlight flexible "white LED" flashlights:
P/N STL65618

NOTE: To order additional cameras and flashlights, call the American Honda Tool and Equipment Program at (888) 424-6867.

- Numbering stamp (order by description)
- Ink pad (order by description)

NOTE: Additional numbering stamps and ink pads are available through the American Honda Tool and Equipment program, or commercially.

- Camera mount with bracket, spacer, and storage case: P/N 07AAB-PGHA100, H/C 7754286
- Color bar stickers:
P/N 07AAB-PGHA200, H/C 7767643

NOTE: Additional camera mounts and color bar stickers are available through normal parts ordering procedures.

- A/T Gear Inspection Guide:
Helm reorder number Y0680
This guide is packaged in the camera mount storage case. It contains photos of the A/T second gear in conditions varying from good to not good. Use the guide to help you decide the condition of the gear. The gear color determines whether or not a replacement transmission is needed. If you need more inspection guides, order them through Helm at (800) 782-4366.

WARRANTY CLAIM INFORMATION

OP#	Description	PRT	Template ID
222109	Vehicles with 15,000 miles or less: Install A/T oil jet kit	0.7	04-037A
222110	Vehicles with more than 15,000 miles: Inspect A/T; Install A/T oil jet kit	1.1	04-037B
222111	Vehicles with more than 15,000 miles: Inspect A/T; install remanufactured A/T	7.8	Use a Regular Claim format

Failed Part: P/N 23441-P7W-000
H/C 6274872

Defect Code: 5CS

Symptom Code: P38

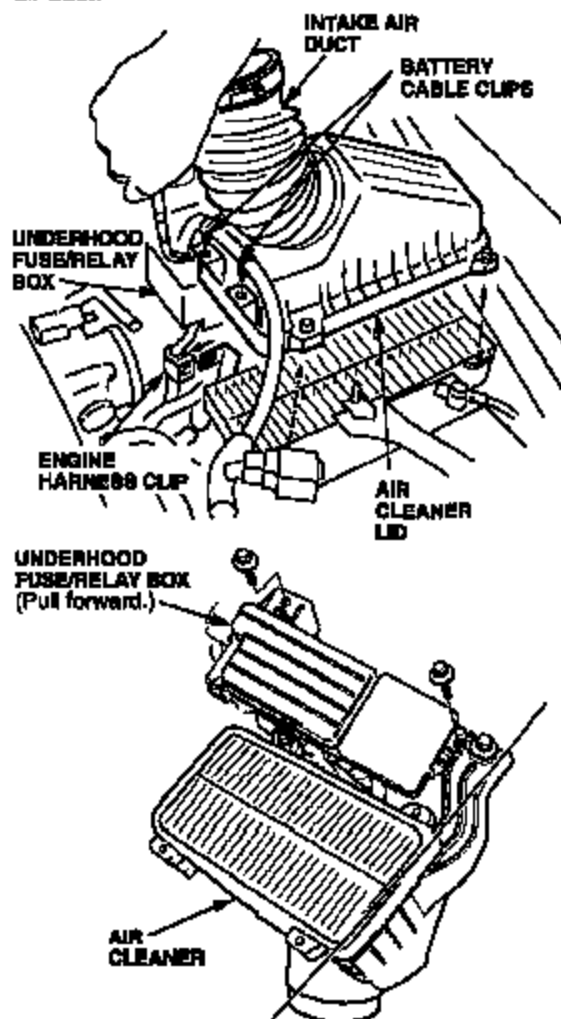
Skill Level: Repair Technician

INSPECTION PROCEDURE

NOTE:

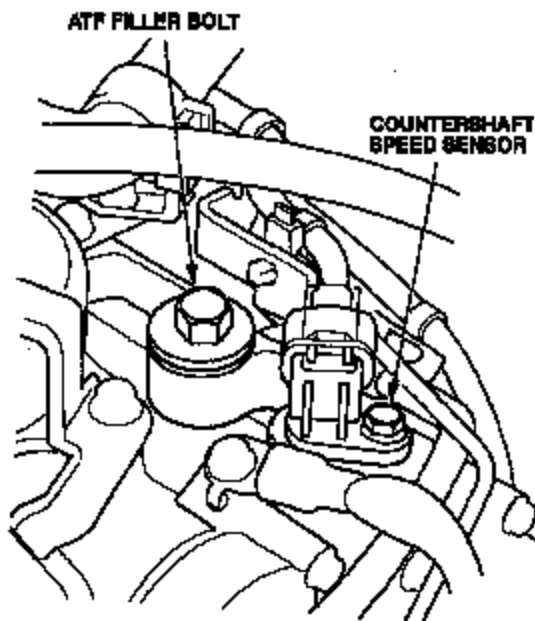
- If you're working on a vehicle with 15,000 miles or less, go directly to REPAIR PROCEDURE.
- For questions on camera adjustment, camera mounting, or gear condition, call RPO Tech Line at (888) 997-7278, and select option #2. Do not call Automobile Tech Line.
- For questions on camera warranty and camera software, call Canon Technical Support at (800) 828-4040. Do not call the Special Tools Hotline.
- The system requirements for using Digital Solutions Disk V17.1 camera software are Microsoft Windows 98, Me, 2000, or XP on a PC with built-in USB ports; PC with Pentium 150 MHz or higher (Windows 98, Me, or 2000), or Pentium 300 MHz or higher (Windows XP). The camera software cannot be used on systems running Windows NT.

1. Unbolt the air cleaner lid, detach the battery cable clips from the lid, then remove the lid and the intake air duct.



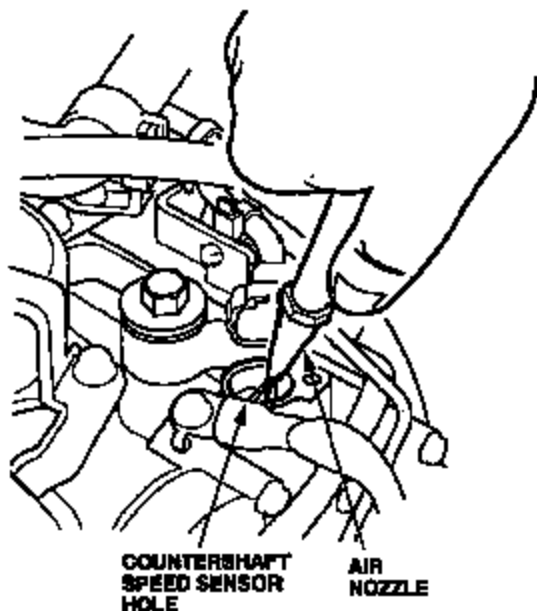
2. Remove the two 10 mm bolts from the under-hood fuse/relay box. Then detach the engine harness clip from the fuse/relay box, and pull the fuse/relay box forward.

3. Clean the area around the ATF filler bolt, the countershaft speed sensor, and the ATF filter lines.



4. Remove the countershaft speed sensor.
5. Connect an air nozzle to the shop air supply. Insert the air nozzle into the countershaft speed sensor hole, and apply air to the top of the second gear for at least 15 seconds.

NOTE: This step is very important; it removes residual ATF from the second gear so you can see it more clearly. Make sure you blow off the top of the gear completely. Do not use anything but compressed air for this step.

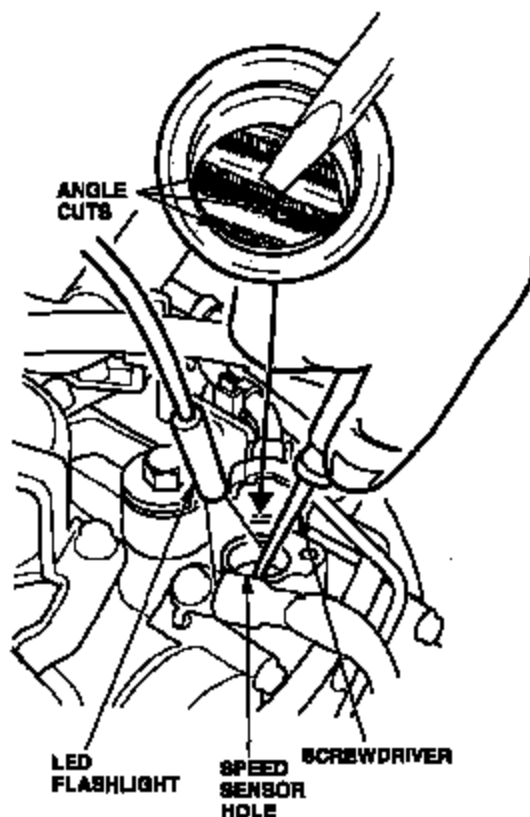


6. Using a clean shop towel, wipe out the bore of the countershaft speed sensor hole.

7. Shine the LED flashlight into the speed sensor hole. Using a small, flat-tip screwdriver, scrape across the top of the gear teeth. This will help you get a clearer photo of the gear.

NOTE:

- If the gear teeth are brighter where you scraped them, it's an initial indication of gear overheating.
- The angle cuts near the top of the gear teeth are not a defect in the gear; they are used to identify gears during transmission assembly.

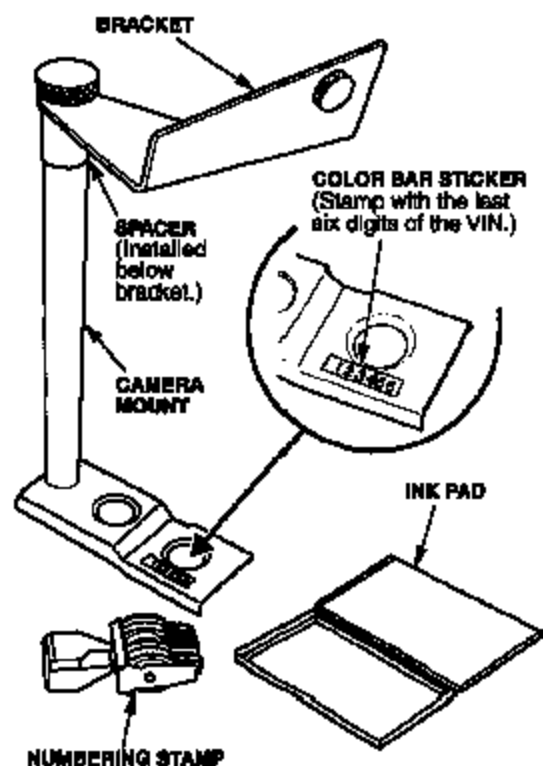


8. Prepare the digital camera for use, and adjust its settings. Most settings are saved after the initial adjustment. Refer to the *Powershot A75 Digital Camera User Guide* and the *Powershot A75 Digital Camera Quick Start Guide* as needed.
- Open the battery door on the bottom of the camera, and install the four AA batteries.
 - Open the CF door on the side of the camera, then insert the CF card.
 - Turn on the camera, and select Manual mode by rotating the dial on the top of the camera to M.
 - Turn on the flash by pressing the up arrow button on the back of the camera.
 - Press the FUNC. button on the back of the camera, and adjust these mode settings in the Function menu:
 - In the Flash mode, select a flash output of 2/3rd (nine green dashes), then press the down arrow.
 - In the White Balance mode, select Cloudy, then press the down arrow.
 - In the Drive mode, select the rectangle, then press the down arrow.
 - Adjust the ISO speed to 50, then press the down arrow.
 - Select Effect Off, then press the down arrow.
 - Select Center Weighted Avg., then press the down arrow.
 - Select L resolution (2048 x 1536), then press the SET button.
 - Select Superfine compression, then press the FUNC. button.
 - Adjust the shutter speed to 1/200, then press the SET button.
 - Adjust the aperture to F8.0, then press the MENU button.
 - Adjust these mode settings in the Rec. Menu:
 - In the AIAF mode, select On, then press the down arrow.
 - In the Red-eye mode, select Off, then press the down arrow.
 - In the AF-assist Beam mode, select On, then press the down arrow.
 - In the Digital Zoom mode, select On, then press the down arrow.
 - Adjust the Review to 5 sec. Press the down arrow, then press the forward arrow.

- Adjust these mode settings in the Setup menu:
 - In the Mute mode, select Off.
 - In the Volume mode, press the forward arrow, then select full volume in all areas (Start-up, Operation, Self-timer, Shutter, and Playback). Press the MENU button, press the down arrow, then press the forward arrow.
 - In the Auto Power Down mode, select Off. Then press the MENU button, and press the down arrow.
 - Set the year, month, day, and time, then press the down arrow twice. (This bypasses the Format mode, which should not be adjusted.)
 - In the File No. Reset mode, select Off, then press the down arrow.
 - In the Auto Rotate mode, select Off, then press the down arrow.
 - In the Distance Units mode, select ft/in. Then press the down arrow, and press the forward arrow.
 - In the Language mode, select English, then press the MENU button, and press the down arrow.
 - In the Video System mode, select NTSC, then press the Menu button. (The My Camera menu does not need adjustment.)
- Every time you turn on the camera, check or adjust these settings:
 - Make sure the flash is on.
 - Select Manual mode by rotating the dial on the top of the camera to M.
 - Turn on the Macro by pressing the down arrow once. (The flower icon appears in the lower right corner of the display.)
 - Set the zoom to 6.0x: Move the zoom lever to the right, hold it for about 3 seconds, then release it; toggle the lever three times to the right until 6.0x appears in the display.

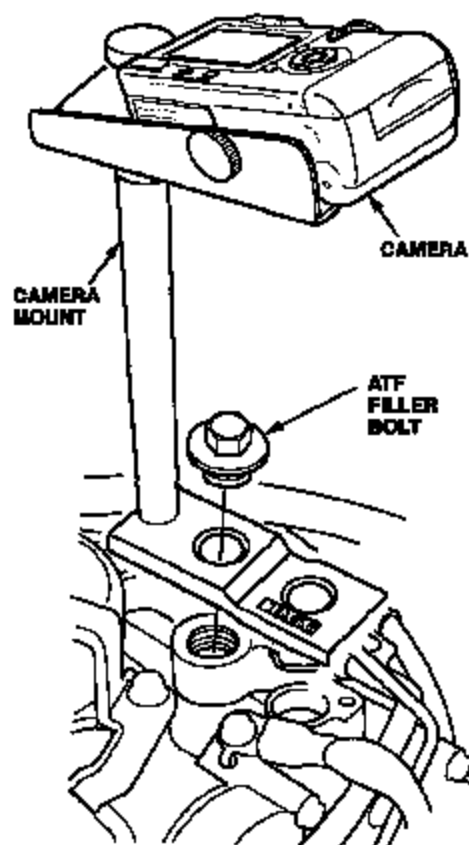
9. Stick a color bar sticker on the base of the camera mount. Using the number stamp and ink pad, dial in the last six digits of the VIN, ink the stamp, and then stamp the VIN onto the color bar sticker.

NOTE: For verification purposes, you'll need to use a new color bar sticker and the correct last six digits of the VIN for each vehicle inspected.



10. On the camera mount, position the spacer below the bracket.
11. Remove the ATF filler bolt.

12. Use the ATF filler bolt to attach the camera mount to the transmission.



13. Attach the camera to the camera mount. Make sure the camera spacer is correctly installed, and be careful not to damage the plastic threads in the bottom of the camera.

14. Make sure the fuse/relay box is out of the way. Turn on the camera. Select Manual mode (M), turn on the macro (the flower icon appears in the lower right corner of the display), and set the digital zoom to 6.0x. Make sure the flash is on.

NOTE: The digital zoom turns off after 1 minute if you do not press any buttons.

15. Point the LED flashlight into the speed sensor hole to illuminate the gear. Keep the tip of the light out of the image.

16. Center the rectangular box in the camera display on the speed sensor hole, then press and hold the shutter button half way down until the box changes from white to green. If the box doesn't turn green, release the shutter button, and try again.

NOTE: The picture in the display will not look as good as the actual photo.

17. While continuing to hold the shutter button half way down, turn off the flashlight, and remove it from the area.

18. Gently increase pressure on the shutter button until the camera flashes and the image appears on the camera display.

19. Repeat steps 15 thru 18 to take five clear photos of the gear. If needed, reposition the camera mount to center your photos.

20. Remove the camera from the camera mount.

21. Remove the camera mount from the transmission.

22. Reinstall the countershaft speed sensor, tighten the sensor bolt to 12 N·m (8.7 lb-ft), and reconnect the sensor connector.

23. Select Play mode by sliding the switch on the back of the camera to ▶. Then turn off the camera.

24. Load the camera software (Digital Solutions Disk V17.1) onto your IN workstation. For loading instructions, refer to the *Powershot A75 Quick Start Guide*, step 6.

NOTE: If you have any software related problems, call Canon Technical Support at (800) 828-4040.

25. Attach the USB Interface cable to a USB port on the back of the IN workstation and to the Digital terminal on the left side of the camera.

26. Turn on the camera.

NOTE: The rest of the photo downloading steps are done on the IN workstation, not the camera.

27. When the "Camera Window Download Images" screen appears on the IN display, click on **List Images**.

28. Click on the images you want to download to the IN workstation.

29. Click on **Download Image**. The Download Setting menu appears.

30. Click on **Create New Folder**. Name the new folder the 17-digit VIN you're currently working on. Click on **Set as new**, then click on **OK**.

31. To view a photo, double-click on it. Delete any photos you do not intend to use.

32. Using the *Automatic Transmission Gear Inspection Guide* (reorder # Y0680), match the color of the gear in your photos with one of the gear condition levels on the guide. For a good match of gear color, it's helpful to hold the inspection guide next to the monitor. It's also good to get a consensus of the gear color with at least one other person.

NOTE: The color of the gear in your photos should be similar to the photos in the inspection guide. If your photos are not similar, try viewing them on a different monitor.

- If you determine that the color of the gear in your photos matches gear level #1 on the inspection guide, install an oil jet kit. Go to **REPAIR PROCEDURE**.
- If you determine that the color of the gear in your photos matches any gear condition level other than #1 on the inspection guide, you must send your photos to RPO Tech Line for review. Go to step 33.

33. Bring up the Warranty Automatic Transmission Order form on the iN:

NOTE: For additional information on filling out the order form and uploading images to the iN see the Job Aid, *Quick Start Warranty A/T Order Images*, on ISIS.

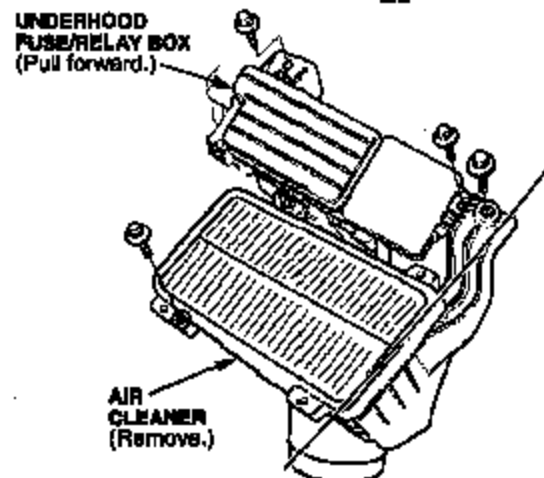
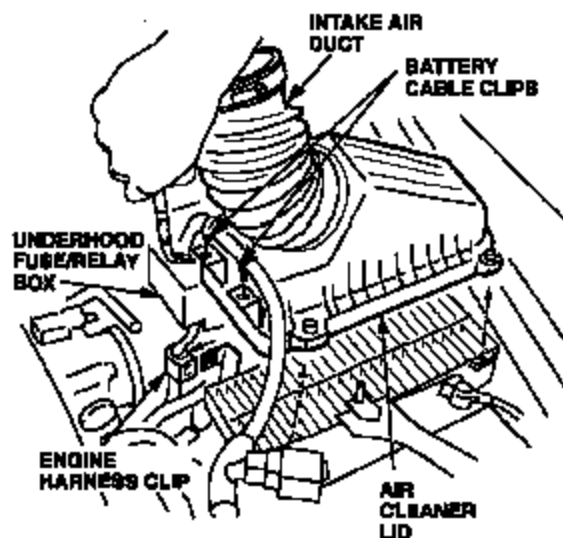
- From the iN main menu, click on **Service**.
 - From the **Service** drop down menu, click on **Warranty A/T Order**.
 - Enter the model and year of the vehicle, then click on **Search**.
 - At the top of the screen, click on **Warranty Automatic Transmission Order**.
34. Fill out all required fields on the Warranty Automatic Transmission Order form. (Required fields have a red dot next to them.)
35. In the order form's Service Bulletin 04-021/04-037 field, click on **Yes**.
36. Click on **Image Upload**, and browse for the VIN file you are going to upload. Preview the photo if needed by double-clicking on it. If the photo is not clear, select another one. Do this step for each photo you are submitting.
- NOTE:** Uploading must be done one photo at a time.

37. Click on **Submit** to send the A/T order form and the photos to RPO Tech Line. RPO will review the photos and determine if the transmission needs an oil jet kit or if it needs to be replaced.

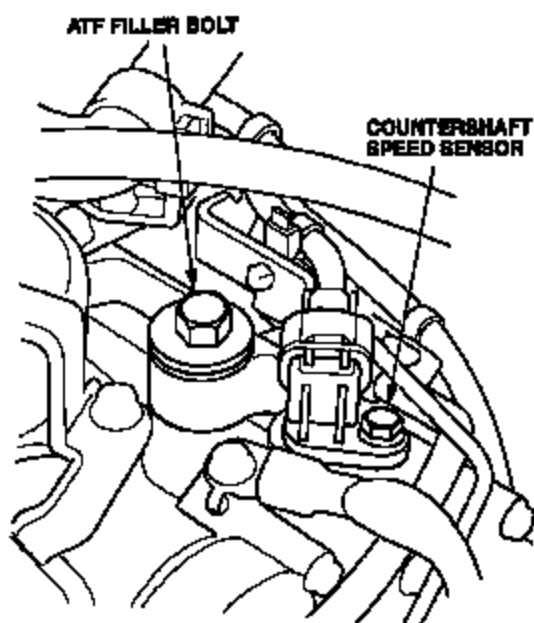
- If the gear color is normal, RPO will cancel your transmission order and call to let you know you need to install an oil jet kit. To install an oil jet kit, go to **REPAIR PROCEDURE**.
- If the gear color indicates an overheating condition, your transmission order will be processed, and the replacement transmission will be sent as soon as possible. To confirm acceptance of a transmission order, verify the part order status on the iN using the **Warranty A/T VIN Inquiry** under the **Parts Ordering** menu.
- When you receive the replacement transmission, go to step 23 of **REPAIR PROCEDURE**.

REPAIR PROCEDURE

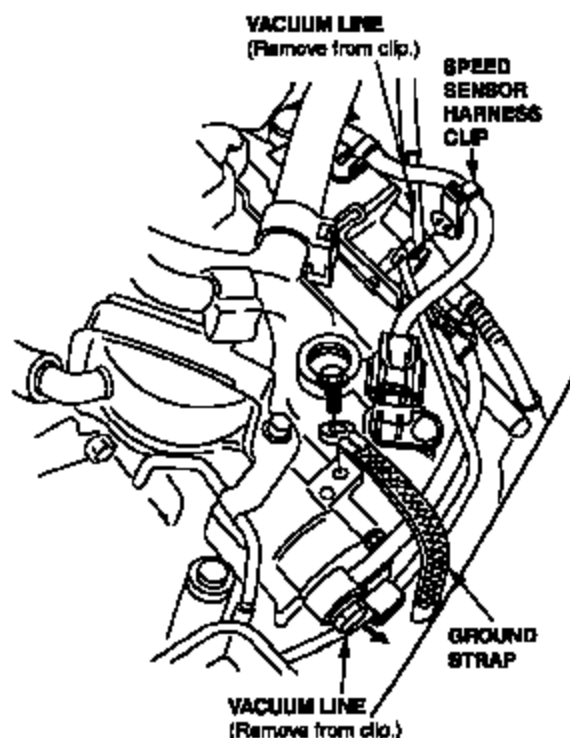
1. Unbolt the air cleaner lid, detach the battery cable clips from the lid, then remove the air cleaner lid, the intake air duct, and the air cleaner.



2. Remove the two 10 mm bolts from the under-hood fuse/relay box. Then detach the engine harness clip from the fuse/relay box, and pull the fuse/relay box forward.
3. Clean the top of the transmission around the ATF filler bolt, the countershaft speed sensor, and the ATF filter lines.

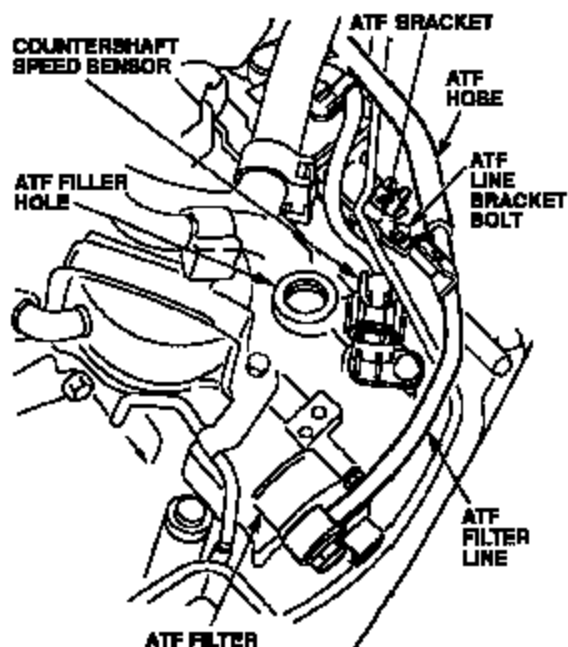


4. Remove the transmission ground strap, and detach the wire harness from the ATF line bracket



5. Remove the metal vacuum lines from the two clips on the A/T cooler hose assembly.
6. Disconnect the ATF hose from the ATF filter line, and discard the hose clamp.

**AT BEFORE INSTALLATION
OF A/T OIL JET KIT**

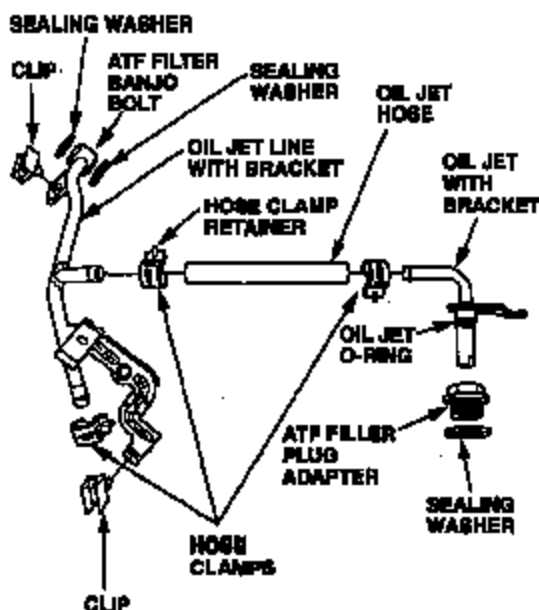


7. Remove the filter line bracket bolt, then remove and discard the ATF filter line assembly.

8. Assemble the A/T Oil Jet Kit out of the vehicle, but do not attach the oil jet onto the oil jet hose yet.

NOTE:

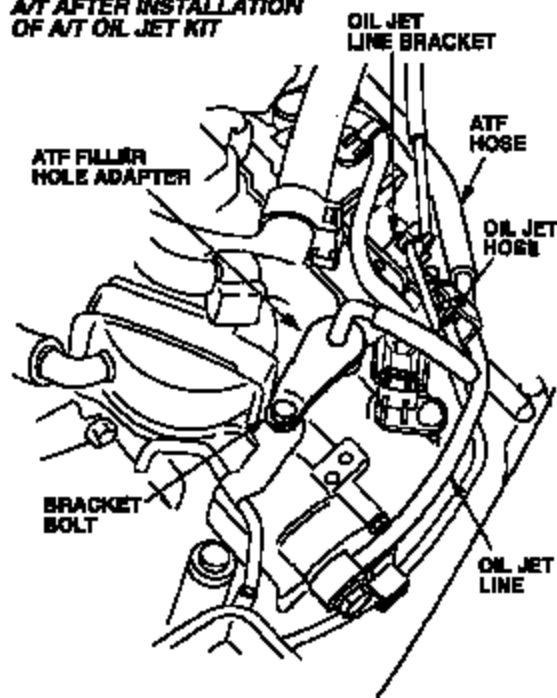
- Each hose clamp has a retainer to hold it in its spread position. To install a hose clamp, slide it into position (7 mm from the end of the hose), then pull off the retainer with pliers.
- Use clean ATF to lubricate the oil jet O-ring before installation. Do not use grease or any other lubricants.
- Make sure you insert the oil jet hose to the base of the "T" on the oil jet line.



9. Install the oil jet line onto the ATF hose with a new hose clamp.

- Use clean ATF to lubricate the oil jet O-ring before installation.
- Make sure there are no kinks in the oil jet hose when you install it onto the transmission.

A/T AFTER INSTALLATION OF A/T OIL JET KIT



10. Install the other end of the oil jet line onto the ATF filter, and torque the filter line bolt to 28 N·m (21 lb-ft).
11. Remove the bracket bolt.
12. If not already done, remove and discard the ATF filler bolt.
13. Install the ATF filler plug adapter with a new sealing washer, and torque the adapter to 44 N·m (33 lb-ft).
14. Insert the oil jet into the filler plug adapter, and make sure the oil jet is flush. Position the oil jet bracket over the bracket bolt hole. Reinstall the bracket bolt, and torque it to 27 N·m (20 lb-ft).
15. Install the oil jet hose and hose clamp onto the oil jet. Then position the hose clamp 7 mm from the end of the hose, and release the clamp retainer.
16. Attach the oil jet line bracket, and torque the bolt to 12 N·m (8.7 lb-ft).
17. Connect the wire harness connector, and attach the harness to the oil jet line bracket.
18. Clean up any residual ATF that spilled when you installed the oil jet kit.

19. Start the engine. Move the shift lever to Drive, and then to Reverse. Move the shift lever to Drive and then to Park. Raise the idle speed to 1,500 rpm, keep it there for several minutes, then turn off the engine.
20. Check for ATF leaks at the oil jet kit. If you find any leaks, make sure the filler plug adapter, the oil jet, and all hose clamps are correctly installed.
21. Check the ATF level, and add fluid if needed.
22. Reinstall all removed parts, then go to step 24.
23. Replace the transmission:
- See pages 14-187 thru 14-205 of the 2003-04 Accord V6 Service Manual Supplement.
 - In IDS, enter keyword TRANS REMOVAL, and select Automatic Transmission Removal from the list; enter keyword TRANS INSTALL, and select Automatic Transmission Installation from the list.
- NOTE:**
- When you replace the transmission on a 2003 Accord V6 2-door (thru VIN 1HGCM82.3A036060) or 2003 Accord V6 4-door (thru VIN 1HGCM86.3A091630), update the PCM. Refer to service bulletin 03-070, *PCM Update With Automatic Transmission Replacement*.
 - ATF cooler cleaning is not needed because failure of the transmission was heat-related only.
 - Replacement transmissions do not require an AT Oil Jet Kit; they have been updated internally.
 - When refilling the transmission, use Honda Genuine Transmission Fluid ATF-Z1.
 - Make sure you do the idle learn procedure.
 - During the road test, you do not need to check the shift points with the HDS.
 - After the road test, recheck the ATF level, add fluid if needed, and check for leaks.
24. Center-punch a completion mark above the 11th character of the engine compartment VIN.

Center-punch here.

1HGCMXXXXXXXXXXXX

Summer 2004

Safety Recall: Accord V6 Automatic Transmission Second Gear Inspection

Dear Accord 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 Motor Co., Ltd., has decided that a defect relating to motor vehicle safety exists in certain 2003-04 Accord V6 vehicles with automatic transmissions.

Certain operating conditions can result in heat buildup in the transmission second gear set and may lead to gear tooth chipping. In very rare cases, gear breakage can occur. Gear failure could result in transmission lock-up, and a crash could occur without warning.

What should you do?

Call any authorized Honda dealer and make an appointment to have your vehicle repaired. For vehicles with less than 15,000 miles, the dealer will install an oil jet kit to provide additional lubrication to the gears. For vehicles with more than 15,000 miles, the dealer will inspect the affected gear for heat discoloration, which indicates possible damage. If heat discoloration exists, the dealer will replace the transmission. If heat discoloration is not found, the dealer will install an oil jet kit. This work will be done *free of charge*. Please plan to leave your vehicle all day to allow the dealer flexibility in scheduling the inspection and installing the oil jet kit. If transmission replacement is needed, the work will take more than one day.

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
400 Seventh Street, SW
Washington, DC 20590

Or call the toll-free Safety Hotline at (888) 327-4236.

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

Our records show that you are the current owner or lessee of a 2003-04 Accord 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.

If you paid to have the transmission replaced, you may be eligible for reimbursement. Refer to the attached instructions for eligibility requirements and the reimbursement procedure.

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 contacting a Honda dealer, please call Honda Automobile Customer Service at (800) 999-1009, and select menu option #2.

We apologize for any inconvenience this campaign may cause you.

Sincerely,

American Honda Motor Co., Inc.
Honda Automobile Division

July 16, 2004

Dear Service Manager:

Honda Motor Co., LTD has announced a safety recall campaign for certain 2003-04 Accord V6 vehicles with automatic transmissions.

Certain operating conditions can result in heat build-up between the countershaft and secondary shaft second gears in the automatic transmission. Without enough oil flow to dissipate heat, prolonged operation under these conditions can eventually result in decreased material strength. In higher mileage vehicles, this can result in gear tooth chipping or, in very rare cases, gear breakage.

In most cases, transmission noise will indicate a problem, however it is possible for the transmission to become locked without warning. A locked transmission could result in a crash.

Affected Vehicles

All 2003 Accord V6 vehicles with automatic transmissions and some 2004 Accord V6 vehicles with automatic transmissions are affected by this campaign, including those in your new and used vehicle inventory. For the affected 2004 VINs, refer to Service Bulletin 04-037, *Safety Recall: Accord V6 Automatic Transmission Second Gear Inspection*. According to Federal law, any new or used affected vehicles in your vehicle inventory cannot be sold or leased until they are repaired.

Repair Strategy

On vehicles with less than 15,000 miles, install an A/T oil jet kit (no inspection needed). The oil jet kit sends a supply of ATF directly to the second gears, preventing heat build-up.

For all other vehicles, inspect the second gear through the countershaft speed sensor hole, and take five clear photos of the gear using the camera and equipment in the supplied A/T Gear Inspection Kit. Then view the photos on your IN workstation, and compare them to the gear color levels in the supplied A/T Gear Inspection Guide.

- If you determine that the color of the gear in your photos matches gear level #1 on the A/T Gear Inspection Guide, install an A/T oil jet kit. Although they look very similar, there are important differences between the oil jet kits for the Accord, Odyssey, and Pilot. Never apply the wrong kit to a vehicle.
- If you determine the color of the gear in your photos matches any gear level other than number 1 on the A/T Gear Inspection Guide, submit a completed A/T order form, with your digital photographs, to RPO Tech Line. RPO will either cancel your A/T order and let you know you need to install an A/T oil jet kit, or process your A/T order so you can install a remanufactured A/T.
- On some 2003 Accords, if you replace the transmission, you also need to update the PCM with the HIM (Honda Interface module). For PCM updating information, refer to service bulletin 03-070, *PCM Update With Automatic Transmission Replacement*.

For inspection, repair, ordering, and warranty information, refer to service bulletin 04-037.

Tool Information

An A/T Gear Inspection Kit was sent to each dealer on April 21 in support of the previously released safety recall bulletin 04-021 for the Odyssey and Pilot. Use the inspection kit for safety recall bulletin 04-037 as well. The inspection kit contains a digital camera, a camera mount, a laminated A/T Gear Inspection Guide, and everything else you need to take photos of the second gear.

Parts Information

Two weeks ago, we sent you enough oil jet kits to repair your new, in-stock vehicles. A second allocation of oil jet kits was sent last week. You will continue to get shipments of oil jet kits during July and possibly through August.

Customer Notification

Notifications will be mailed to all owners over a period of time, starting with the owners of the oldest vehicles first. Mailings begin in mid-August. As soon as possible, we will let you know, via the IN, the specific mail dates.

Please direct any rental car requests to your DPSM.

Sincerely,

American Honda Motor Co., Inc.
Honda Automobile Division



Applies To: See VEHICLES AFFECTED

July 16, 2004

Safety Recall: Accord V6 Automatic Transmission Second Gear Inspection
(Replaces Preliminary Service Bulletin 04-037, dated July 1, 2004)**BACKGROUND**

Certain operating conditions can result in heat buildup between the countershaft and secondary shaft second gears in the automatic transmission. Without enough oil flow to dissipate heat, prolonged operation under these conditions can eventually result in decreased material strength. In higher mileage vehicles, this can result in gear tooth chipping or, in very rare cases, gear breakage.

In most cases, transmission noise will indicate a problem, however it is possible for the transmission to become locked without warning. A locked transmission could result in a crash.

VEHICLES AFFECTED**2003 Accord V6 2-Door and 4-Door: All****2004 Accord V6 2-Door:**

From VIN 1HGCM82.4A000001 thru
1HGCM82.4A007538

2004 Accord V6 4-Door:

From VIN 1HGCM86.4A000001 thru
1HGCM86.4A030367

VIN 1HGCM86.4A032783

VIN 1HGCM86.4A036843

VIN 1HGCM86.4A039356

VIN 1HGCM86.4A040381

CUSTOMER NOTIFICATION

All owners of affected vehicles will be sent a notification of this recall. An example of the customer notification is at the end of this service bulletin.

Not all vehicles within the VIN ranges are affected by this recall. Before beginning work on a vehicle, verify its eligibility by checking at least one of these items:

- The customer has a notification letter.
- The vehicle is shown on your campaign responsibility report.
- The vehicle is shown as eligible on an IN VIN status inquiry.

In addition to these verification items, check for a punch mark above the 11th character of the engine compartment VIN. A punch mark in that location means the A/T has already been inspected and repaired.

Some vehicles affected by this recall may be in your new or used vehicle inventory. According to federal law, these vehicles cannot be sold or leased until they are repaired. To see if a vehicle is affected by this recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

NOTE: To confirm that an updated remanufactured A/T was installed during a previous repair and that it does not need an oil jet kit, use the IN VIN status inquiry. If there is a "C" next to S/B 04-037 on the VIN status inquiry screen, the transmission has been replaced with an updated remanufactured unit. If so, return the vehicle to the customer. *There is no external way to tell if a remanufactured A/T has been updated.*

Vehicles with 15,000 miles or less:

Install an A/T oil jet kit.

Vehicles with more than 15,000 miles:

Do a photographic, *not visual*, inspection of the A/T second gear:

- Using the digital camera and camera mount in the A/T Gear Inspection Kit, take five clear photos of the second gear through the countershaft speed sensor hole.
- Load the photos onto an IN workstation, then display them on the monitor.
- Compare the gear color in the photos with the gear colors in the A/T Gear Inspection Guide that came with the camera.
- If you determine that the color of the gear in your photos matches gear level number 1 on the inspection guide, install an A/T Oil Jet Kit.
- If you determine that the color of the gear in your photos matches any gear level other than number 1 on the inspection guide, submit a completed A/T order form, with your digital photographs attached, to RPO Tech Line. RPO will either cancel your A/T order and let you know you need to install an A/T Oil Jet Kit, or process your A/T order so you can install a remanufactured A/T.

NOTE: If you replace the transmission on a 2003 Accord V6 2-door (thru VIN 1HGCM82.3A035080) or 2003 Accord V6 4-door (thru VIN 1HGCM86.3A091630), the PCM needs to be updated. Refer to service bulletin 03-070, *PCM Update With Automatic Transmission Replacement*.

ONLINE ANIMATED SERVICE BULLETIN

If you are viewing this service bulletin on ISIS, you can [CLICK HERE](#) for an animated view of the inspection and repair procedures.

PARTS INFORMATION

NOTE: Even though they look similar, oil jet kits are not interchangeable because the diameter of the oil jet is different between models. Make sure you use the correct kit.

A/T Oil Jet Kit:

P/N 06250-RDG-315, H/C 7809494

(Contains oil jet, oil jet line with bracket, oil jet hose, ATF filler plug adapter, three sealing washers, one O-ring, three hose clamps, and two vacuum line clips)

TOOL INFORMATION

A/T Gear Inspection Kit:

NOTE: This is the same kit you received earlier to inspect Odyssey and Pilot transmissions.

The kit contains these items:

- Canon Powershot A75 digital camera:
P/N CNJA75
(with Digital Camera Solution Disk Ver. 17.1 software, USB interface cable, four AA batteries, Compact Flash card, user guide, and quick start guide)
- Two Streamlight flexible "white LED" flashlights:
P/N STL85818
NOTE: To order additional cameras and flashlights, call the American Honda Tool and Equipment Program at (888) 424-6857.
- Numbering stamp (order by description)
- Ink pad (order by description)
NOTE: Additional numbering stamps and ink pads are available through the American Honda Tool and Equipment program, or commercially.
- Camera mount with bracket, spacer, and storage case: P/N 07AAB-PGHA100, H/C 7754286
- Color bar stickers:
P/N 07AAB-PGHA200, H/C 7767643
NOTE: Additional camera mounts and color bar stickers are available through normal parts ordering procedures.
- A/T Gear Inspection Guide:
Helm reorder number Y0880
This guide is packaged in the camera mount storage case. It contains photos of the A/T second gear in conditions varying from good to not good. Use the guide to help you decide the condition of the gear. The gear color determines whether or not a replacement transmission is needed. If you need more inspection guides, order them through Helm at (800) 782-4356.

WARRANTY CLAIM INFORMATION

OP#	Description	PRT	Template ID
222109	Vehicles with 15,000 miles or less: Install A/T oil jet kit	0.7	04-037A
222110	Vehicles with more than 15,000 miles: Inspect A/T; install A/T oil jet kit	1.1	04-037B
222111	Vehicles with more than 15,000 miles: Inspect A/T; install remanufactured A/T	7.8	Use a Regular Claim format

Failed Part: P/N 23441-P7W-000
H/C 8274872

Defect Code: 5CS

Symptom Code: P98

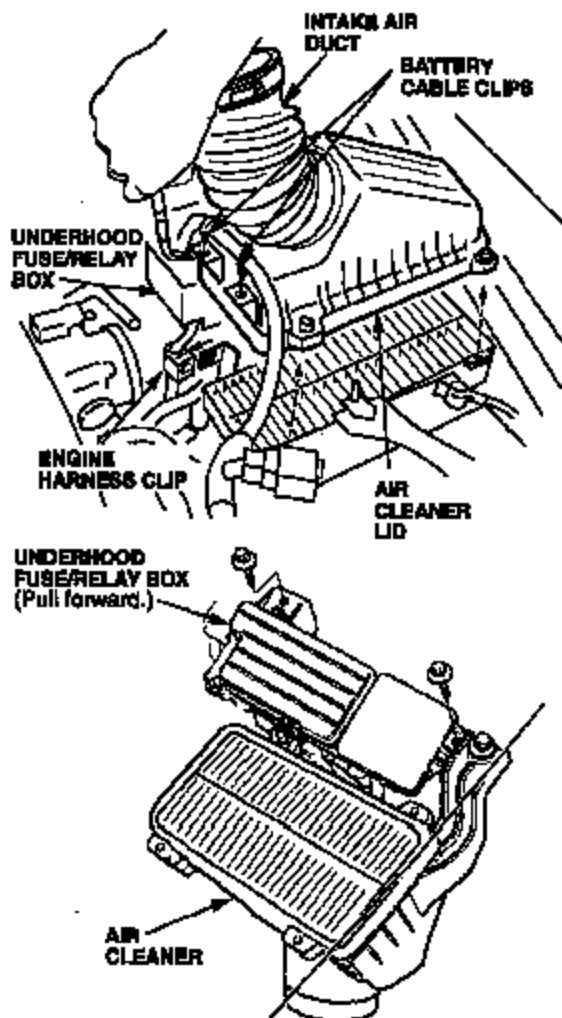
Skill Level: Repair Technician

INSPECTION PROCEDURE

NOTE:

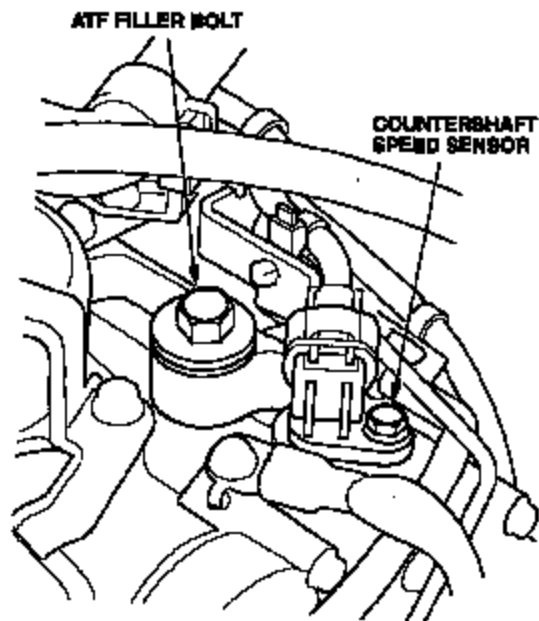
- If you're working on a vehicle with 15,000 miles or less, go directly to **REPAIR PROCEDURE**.
- For questions on camera adjustment, camera mounting, or gear condition, call RPO Tech Line at (888) 997-7278, and select option #2. Do not call Automobile Tech Line.
- For questions on camera warranty and camera software, call Canon Technical Support at (800) 828-4040. Do not call the Special Tools Hotline.
- The system requirements for using Digital Solutions Disk V17.1 camera software are Microsoft Windows 98, Me, 2000, or XP on a PC with built-in USB ports; PC with Pentium 150 MHz or higher (Windows 98, Me, or 2000), or Pentium 300 MHz or higher (Windows XP). The camera software cannot be used on systems running Windows NT.

1. Unbolt the air cleaner lid, detach the battery cable clips from the lid, then remove the lid and the intake air duct.



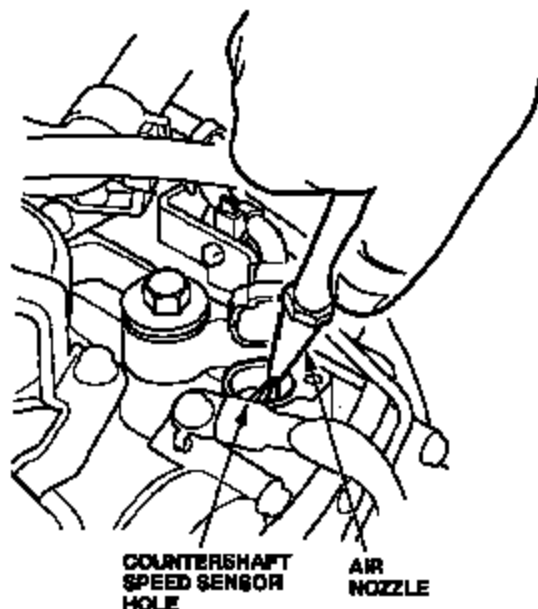
2. Remove the two 10 mm bolts from the under-hood fuse/relay box. Then detach the engine harness clip from the fuse/relay box, and pull the fuse/relay box forward.

3. Clean the area around the ATF filler bolt, the countershaft speed sensor, and the ATF filter lines.



4. Remove the countershaft speed sensor.
5. Connect an air nozzle to the shop air supply. Insert the air nozzle into the countershaft speed sensor hole, and apply air to the top of the second gear for at least 15 seconds.

NOTE: This step is very important; it removes residual ATF from the second gear so you can see it more clearly. Make sure you blow off the top of the gear completely. Do not use anything but compressed air for this step.

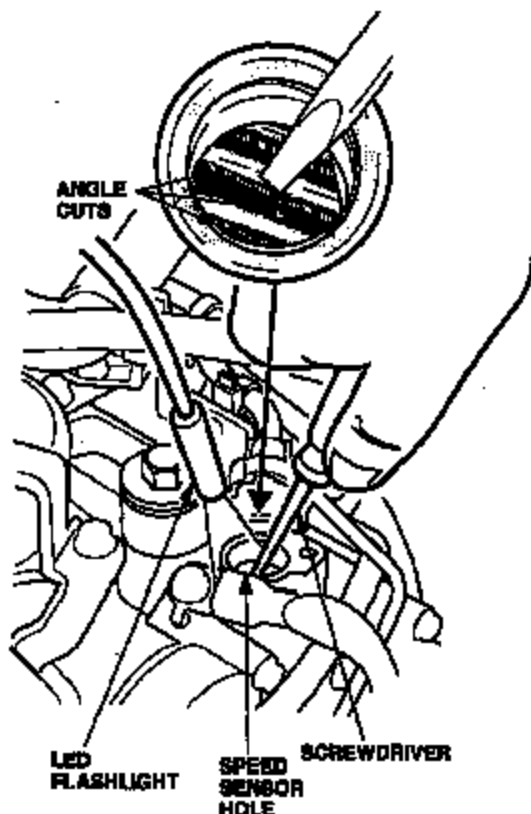


6. Using a clean shop towel, wipe out the bore of the countershaft speed sensor hole.

7. Shine the LED flashlight into the speed sensor hole. Using a small, flat-tip screwdriver, scrape across the top of the gear teeth. This will help you get a clearer photo of the gear.

NOTE:

- If the gear teeth are brighter where you scraped them, it's an initial indication of gear overheating.
- The angle cuts near the top of the gear teeth are not a defect in the gear; they are used to identify gears during transmission assembly.

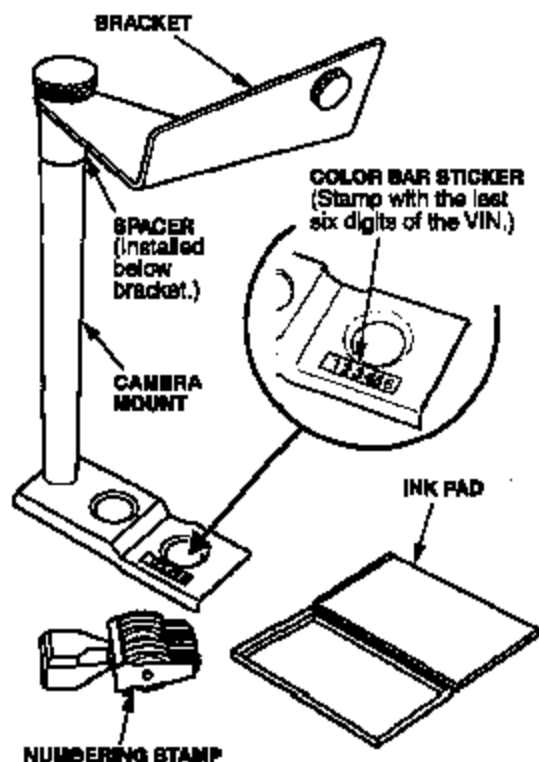


8. Prepare the digital camera for use, and adjust its settings. Most settings are saved after the initial adjustment. Refer to the *Powershot A75 Digital Camera User Guide* and the *Powershot A75 Digital Camera Quick Start Guide* as needed.
- Open the battery door on the bottom of the camera, and install the four AA batteries.
 - Open the CF door on the side of the camera, then insert the CF card.
 - Turn on the camera, and select Manual mode by rotating the dial on the top of the camera to M.
 - Turn on the flash by pressing the up arrow button on the back of the camera.
 - Press the FUNC. button on the back of the camera, and adjust these mode settings in the Function menu:
 - In the Flash mode, select a flash output of 2/3rds (nine green dashes), then press the down arrow.
 - In the White Balance mode, select Cloudy, then press the down arrow.
 - In the Drive mode, select the rectangle, then press the down arrow.
 - Adjust the ISO speed to 50, then press the down arrow.
 - Select Effect Off, then press the down arrow.
 - Select Center Weighted Avg., then press the down arrow.
 - Select L resolution (2048 x 1536), then press the SET button.
 - Select Superfine compression, then press the FUNC. button.
 - Adjust the shutter speed to 1/200, then press the SET button.
 - Adjust the aperture to F8.0, then press the MENU button.
 - Adjust these mode settings in the Rec. Menu:
 - In the AIAF mode, select On, then press the down arrow.
 - In the Red-eye mode, select Off, then press the down arrow.
 - In the AF-assist Beam mode, select On, then press the down arrow.
 - In the Digital Zoom mode, select On, then press the down arrow.
 - Adjust the Review to 5 sec. Press the down arrow, then press the forward arrow.

- Adjust these mode settings in the Setup menu:
 - In the Mute mode, select **Off**.
 - In the Volume mode, press the forward arrow, then select full volume in all areas (Start-up, Operation, Self-timer, Shutter, and Playback). Press the **MENU** button, press the down arrow, then press the forward arrow.
 - In the Auto Power Down mode, select **Off**. Then press the **MENU** button, and press the down arrow.
 - Set the year, month, day, and time, then press the down arrow twice. (This bypasses the Format mode, which should not be adjusted.)
 - In the File No. Reset mode, select **Off**, then press the down arrow.
 - In the Auto Rotate mode, select **Off**, then press the down arrow.
 - In the Distance Units mode, select **ft/in**. Then press the down arrow, and press the forward arrow.
 - In the Language mode, select **English**, then press the **MENU** button, and press the down arrow.
 - In the Video System mode, select **NTSC**, then press the **Menu** button. (The My Camera menu does not need adjustment.)
- Every time you turn on the camera, check or adjust these settings:
 - Make sure the flash is on.
 - Select Manual mode by rotating the dial on the top of the camera to **M**.
 - Turn on the Macro by pressing the down arrow once. (The flower icon appears in the lower right corner of the display.)
 - Set the zoom to 6.0x: Move the zoom lever to the right, hold it for about 3 seconds, then release it; toggle the lever three times to the right until 6.0x appears in the display.

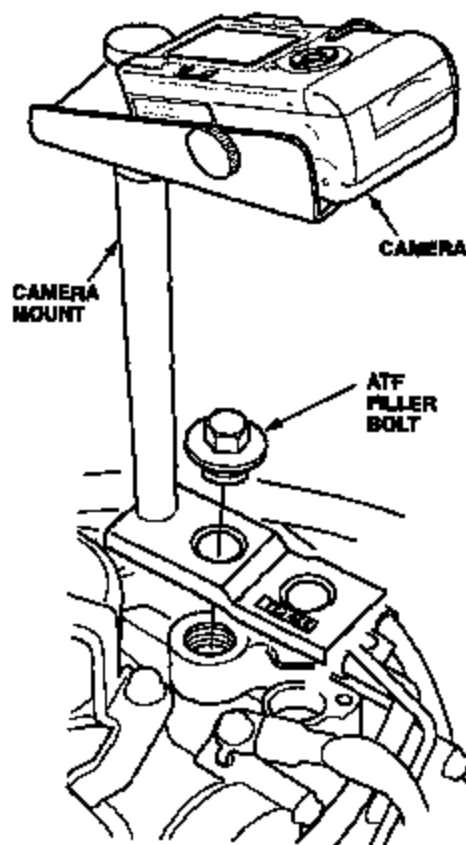
9. Stick a color bar sticker on the base of the camera mount. Using the number stamp and ink pad, dial in the last six digits of the VIN, ink the stamp, and then stamp the VIN onto the color bar sticker.

NOTE: For verification purposes, you'll need to use a new color bar sticker and the correct last six digits of the VIN for each vehicle inspected.



10. On the camera mount, position the spacer below the bracket.
11. Remove the ATF filler bolt.

12. Use the ATF filler bolt to attach the camera mount to the transmission.



13. Attach the camera to the camera mount. Make sure the camera spacer is correctly installed, and be careful not to damage the plastic threads in the bottom of the camera.
14. Make sure the fuse/relay box is out of the way. Turn on the camera. Select Manual mode (M), turn on the macro (the flower icon appears in the lower right corner of the display), and set the digital zoom to 8.0x. Make sure the flash is on.
- NOTE: The digital zoom turns off after 1 minute if you do not press any buttons.
15. Point the LED flashlight into the speed sensor hole to illuminate the gear. Keep the tip of the light out of the image.
16. Center the rectangular box in the camera display on the speed sensor hole, then press and hold the shutter button half way down until the box changes from white to green. If the box doesn't turn green, release the shutter button, and try again.
- NOTE: The picture in the display will not look as good as the actual photo.
17. While continuing to hold the shutter button half way down, turn off the flashlight, and remove it from the area.

18. Gently increase pressure on the shutter button until the camera flashes and the image appears on the camera display.
19. Repeat steps 15 thru 18 to take five clear photos of the gear. If needed, reposition the camera mount to center your photos.
20. Remove the camera from the camera mount.
21. Remove the camera mount from the transmission.
22. Reinstall the countershaft speed sensor, tighten the sensor bolt to 12 N·m (8.7 lb-ft), and reconnect the sensor connector.
23. Select Play mode by sliding the switch on the back of the camera to . Then turn off the camera.
24. Load the camera software (Digital Solutions Disk V17.1) onto your IN workstation. For loading instructions, refer to the Powershot A75 Quick Start Guide, step 6.
- NOTE: If you have any software related problems, call Canon Technical Support at (800) 828-4040.
25. Attach the USB interface cable to a USB port on the back of the IN workstation and to the Digital terminal on the left side of the camera.
26. Turn on the camera.
- NOTE: The rest of the photo downloading steps are done on the IN workstation, not the camera.
27. When the "Camera Window Download Images" screen appears on the iN display, click on **List Images**.
28. Click on the images you want to download to the iN workstation.
29. Click on **Download Image**. The Download Setting menu appears.
30. Click on **Create New Folder**. Name the new folder the 17-digit VIN you're currently working on. Click on **Set as new**, then click on **OK**.
31. To view a photo, double-click on it. Delete any photos you do not intend to use.

32. Using the *Automatic Transmission Gear Inspection Guide* (reorder # Y0880), match the color of the gear in your photos with one of the gear condition levels on the guide. For a good match of gear color, it's helpful to hold the inspection guide next to the monitor. It's also good to get a consensus of the gear color with at least one other person.

NOTE: The color of the gear in your photos should be similar to the photos in the inspection guide. If your photos are not similar, try viewing them on a different monitor.

- If you determine that the color of the gear in your photos matches gear level #1 on the inspection guide, install an oil jet kit. Go to **REPAIR PROCEDURE**.
- If you determine that the color of the gear in your photos matches any gear condition level other than #1 on the inspection guide, you must send your photos to RPO Tech Line for review. Go to step 33.

33. Bring up the Warranty Automatic Transmission Order form on the IN:

NOTE: For additional information on filling out the order form and uploading images to the IN see the Job Aid, *Quick Start Warranty AT Order Images*, on ISIS.

- From the IN main menu, click on **Service**.
 - From the Service drop down menu, click on **Warranty AT Order**.
 - Enter the model and year of the vehicle, then click on **Search**.
 - At the top of the screen, click on **Warranty Automatic Transmission Order**.
34. Fill out all required fields on the Warranty Automatic Transmission Order form. (Required fields have a red dot next to them.)
35. In the order form's Service Bulletin 04-021/04-037 field, click on **Yes**.
36. Click on **Image Upload**, and browse for the VIN file you are going to upload. Preview the photo if needed by double-clicking on it. If the photo is not clear, select another one. Do this step for each photo you are submitting.

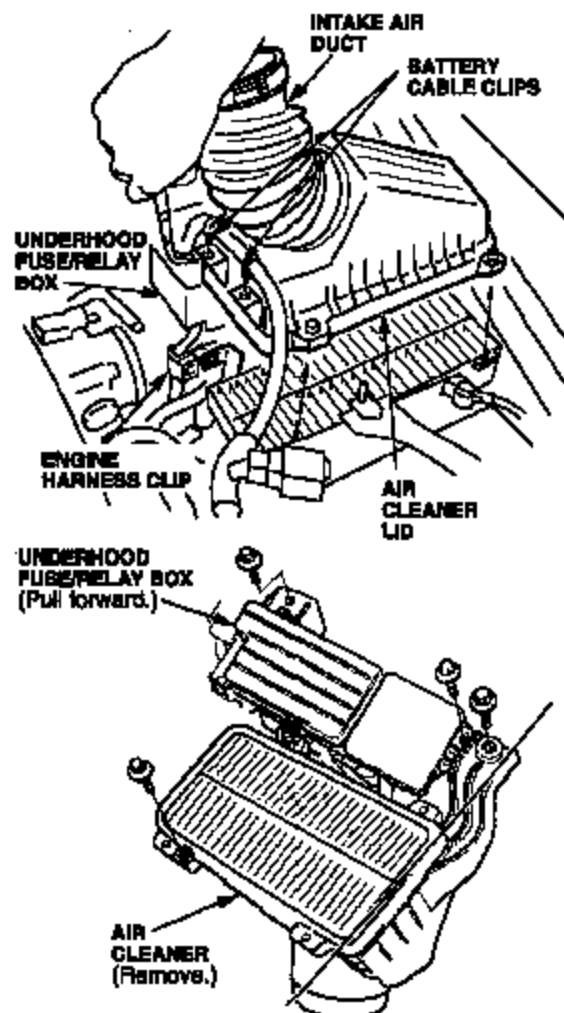
NOTE: Uploading must be done one photo at a time.

37. Click on **Submit** to send the AT order form and the photos to RPO Tech Line. RPO will review the photos and determine if the transmission needs an oil jet kit or if it needs to be replaced.

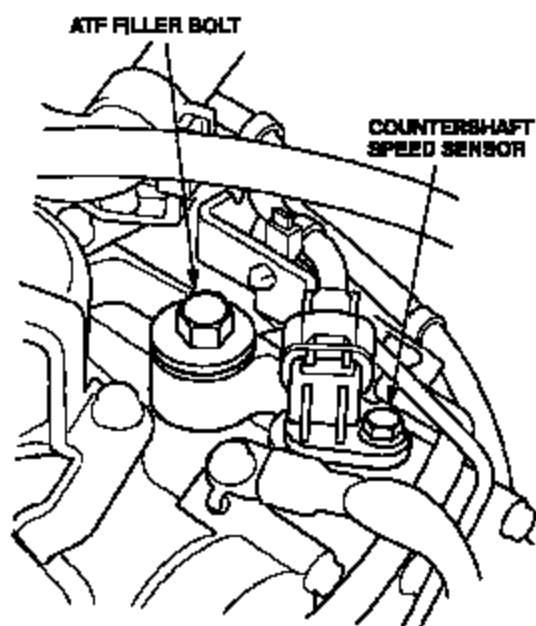
- If the gear color is normal, RPO will cancel your transmission order and call to let you know you need to install an oil jet kit. To install an oil jet kit, go to **REPAIR PROCEDURE**.
- If the gear color indicates an overheating condition, your transmission order will be processed, and the replacement transmission will be sent as soon as possible. To confirm acceptance of a transmission order, verify the part order status on the IN using the **Warranty AT VIN Inquiry** under the **Parts Ordering** menu.
- When you receive the replacement transmission, go to step 23 of **REPAIR PROCEDURE**.

REPAIR PROCEDURE

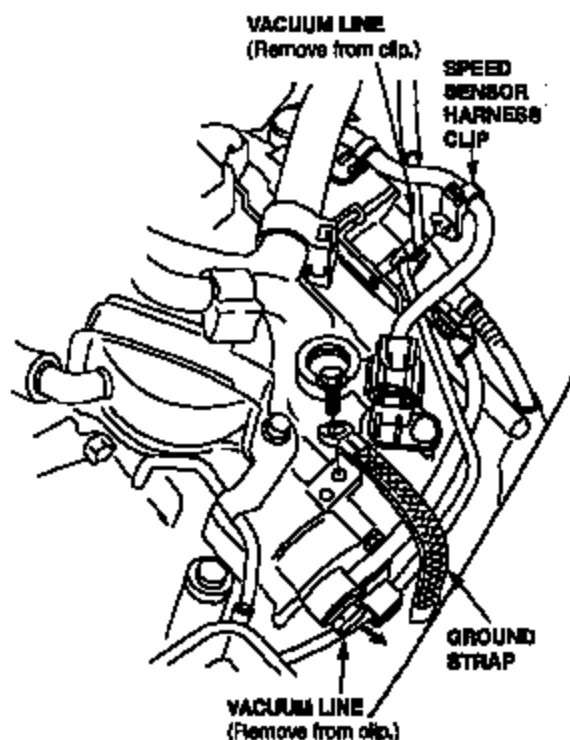
1. Unbolt the air cleaner lid, detach the battery cable clips from the lid, then remove the air cleaner lid, the intake air duct, and the air cleaner.



2. Remove the two 10 mm bolts from the under-hood fuse/relay box. Then detach the engine harness clip from the fuse/relay box, and pull the fuse/relay box forward.
3. Clean the top of the transmission around the ATF filler bolt, the countershaft speed sensor, and the ATF filter lines.

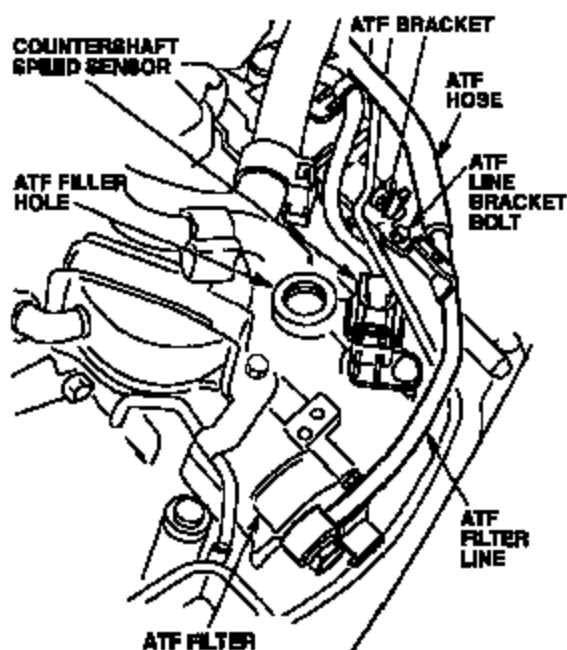


4. Remove the transmission ground strap, and detach the wire harness from the ATF line bracket.



5. Remove the metal vacuum lines from the two clips on the A/T cooler hose assembly.
6. Disconnect the ATF hose from the ATF filter line, and discard the hose clamp.

**A/T BEFORE INSTALLATION
OF A/T OIL JET KIT**

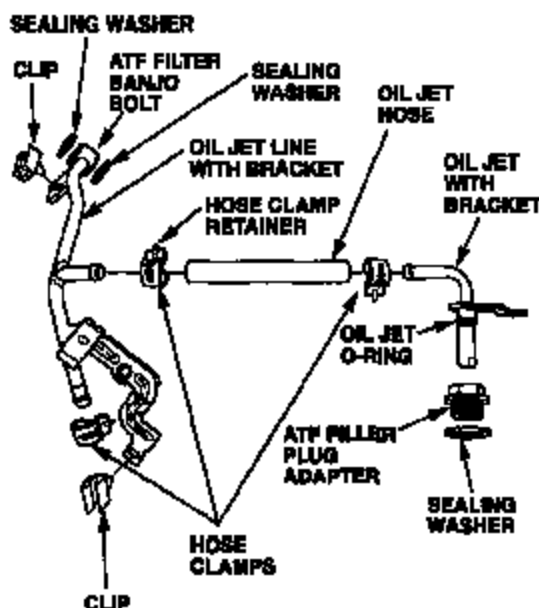


7. Remove the filter line bracket bolt, then remove and discard the ATF filter line assembly.

8. Assemble the A/T Oil Jet Kit out of the vehicle, but do not attach the oil jet onto the oil jet hose yet.

NOTE:

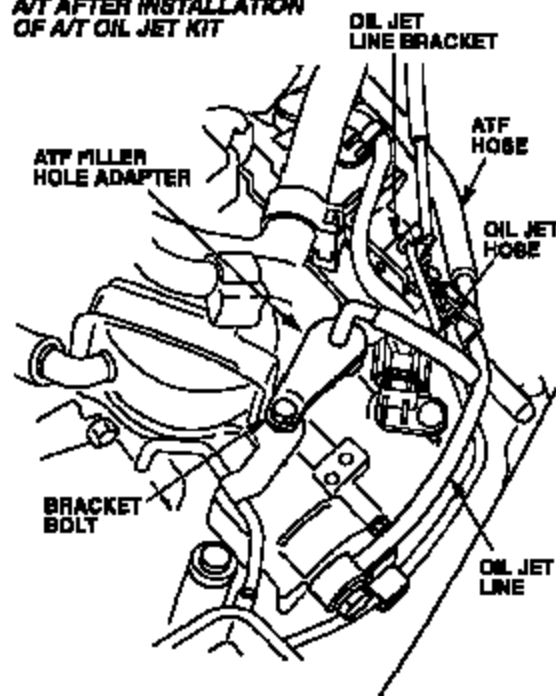
- Each hose clamp has a retainer to hold it in its spread position. To install a hose clamp, slide it into position (7 mm from the end of the hose), then pull off the retainer with pliers.
- Use clean ATF to lubricate the oil jet O-ring before installation. Do not use grease or any other lubricants.
- Make sure you insert the oil jet hose to the base of the "T" on the oil jet line.



9. Install the oil jet line onto the ATF hose with a new hose clamp.

- Use clean ATF to lubricate the oil jet O-ring before installation.
- Make sure there are no kinks in the oil jet hose when you install it onto the transmission.

**A/T AFTER INSTALLATION
OF A/T OIL JET KIT**



10. Install the other end of the oil jet line onto the ATF filter, and torque the filter line bolt to 28 N·m (21 lb-ft).
11. Remove the bracket bolt.
12. If not already done, remove and discard the ATF filler bolt.
13. Install the ATF filler plug adapter with a new sealing washer, and torque the adapter to 44 N·m (33 lb-ft).
14. Insert the oil jet into the filler plug adapter, and make sure the oil jet is flush. Position the oil jet bracket over the bracket bolt hole. Reinstall the bracket bolt, and torque it to 27 N·m (20 lb-ft).
15. Install the oil jet hose and hose clamp onto the oil jet. Then position the hose clamp 7 mm from the end of the hose, and release the clamp retainer.
16. Attach the oil jet line bracket, and torque the bolt to 12 N·m (8.7 lb-ft).
17. Connect the wire harness connector, and attach the harness to the oil jet line bracket.
18. Clean up any residual ATF that spilled when you installed the oil jet kit.

19. Start the engine. Move the shift lever to Drive, and then to Reverse. Move the shift lever to Drive and then to Park. Raise the idle speed to 1,500 rpm, keep it there for several minutes, then turn off the engine.
 20. Check for ATF leaks at the oil jet kit. If you find any leaks, make sure the filler plug adapter, the oil jet, and all hose clamps are correctly installed.
 21. Check the ATF level, and add fluid if needed.
 22. Reinstall all removed parts, then go to step 24.
 23. Replace the transmission:
 - See pages 14-187 thru 14-205 of the 2003-04 Accord V6 Service Manual Supplement.
 - In ISIS, enter keyword TRANS REMOVAL, and select Automatic Transmission Removal from the list; enter keyword TRANS INSTALL, and select Automatic Transmission Installation from the list.
- NOTE:**
- When you replace the transmission on a 2003 Accord V6 2-door (thru VIN 1HGCM82.3A036080) or 2003 Accord V6 4-door (thru VIN 1HGCM88.3A091830), update the PCM. Refer to service bulletin 03-070, *PCM Update With Automatic Transmission Replacement*.
 - ATF cooler cleaning is not needed because failure of the transmission was heat-related only.
 - Replacement transmissions do not require an A/T Oil Jet Kit; they have been updated internally.
 - When refilling the transmission, use Honda Genuine Transmission Fluid ATF-Z1.
 - Make sure you do the idle learn procedure.
 - During the road test, you do not need to check the shift points with the HDS.
 - After the road test, recheck the ATF level, add fluid if needed, and check for leaks.
24. Center-punch a completion mark above the 11th character of the engine compartment VIN.

Center-punch here.

1HGCMXXXXXXXXXXXX

Summer 2004

Safety Recall: Accord V6 Automatic Transmission Second Gear Inspection

Dear Accord 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 Motor Co., Ltd., has decided that a defect relating to motor vehicle safety exists in certain 2003-04 Accord V6 vehicles with automatic transmissions.

Certain operating conditions can result in heat buildup in the transmission second gear set and may lead to gear tooth chipping. In very rare cases, gear breakage can occur. Gear failure could result in transmission lock-up, and a crash could occur without warning.

What should you do?

Call any authorized Honda dealer and make an appointment to have your vehicle repaired. For vehicles with less than 15,000 miles, the dealer will install an oil jet kit to provide additional lubrication to the gears. For vehicles with more than 15,000 miles, the dealer will inspect the affected gear for heat discoloration, which indicates possible damage. If heat discoloration exists, the dealer will replace the transmission. If heat discoloration is not found, the dealer will install an oil jet kit. This work will be done *free of charge*. Please plan to leave your vehicle all day to allow the dealer flexibility in scheduling the inspection and installing the oil jet kit. If transmission replacement is needed, the work will take more than one day.

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 90501-2748

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 (90 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
400 Seventh Street, SW
Washington, DC 20590

Or call the toll-free Safety Hotline at (888) 327-4236.

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

Our records show that you are the current owner or lessee of a 2003-04 Accord 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.

If you paid to have the transmission replaced, you may be eligible for reimbursement. Refer to the attached instructions for eligibility requirements and the reimbursement procedure.

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 contacting a Honda dealer, please call Honda Automobile Customer Service at (800) 699-1009, and select menu option #2.

We apologize for any inconvenience this campaign may cause you.

Sincerely,

American Honda Motor Co., Inc.
Honda Automobile Division

July 16, 2004

Dear Service Manager:

Honda Motor Co., LTD has announced a safety recall campaign for certain 2003-04 Accord V6 vehicles with automatic transmissions.

Certain operating conditions can result in heat build-up between the countershaft and secondary shaft second gears in the automatic transmission. Without enough oil flow to dissipate heat, prolonged operation under these conditions can eventually result in decreased material strength. In higher mileage vehicles, this can result in gear tooth chipping or, in very rare cases, gear breakage.

In most cases, transmission noise will indicate a problem, however it is possible for the transmission to become locked without warning. A locked transmission could result in a crash.

Affected Vehicles

All 2003 Accord V6 vehicles with automatic transmissions and some 2004 Accord V6 vehicles with automatic transmissions are affected by this campaign, including those in your new and used vehicle inventory. For the affected 2004 VINs, refer to Service Bulletin 04-037, *Safety Recall: Accord V6 Automatic Transmission Second Gear Inspection*. According to Federal law, any new or used affected vehicles in your vehicle inventory cannot be sold or leased until they are repaired.

Repair Strategy

On vehicles with less than 15,000 miles, install an A/T oil jet kit (no inspection needed). The oil jet kit sends a supply of ATF directly to the second gears, preventing heat build-up.

For all other vehicles, inspect the second gear through the countershaft speed sensor hole, and take five clear photos of the gear using the camera and equipment in the supplied A/T Gear Inspection Kit. Then view the photos on your IN workstation, and compare them to the gear color levels in the supplied A/T Gear Inspection Guide.

- If you determine that the color of the gear in your photos matches gear level #1 on the A/T Gear Inspection Guide, install an A/T oil jet kit. Although they look very similar, there are important differences between the oil jet kits for the Accord, Odyssey, and Pilot. Never apply the wrong kit to a vehicle.
- If you determine the color of the gear in your photos matches any gear level other than number 1 on the A/T Gear Inspection Guide, submit a completed A/T order form, with your digital photographs, to RPO Tech Line. RPO will either cancel your A/T order and let you know you need to install an A/T oil jet kit, or process your A/T order so you can install a remanufactured A/T.
- On some 2003 Accords, if you replace the transmission, you also need to update the PCM with the HIM (Honda Interface module). For PCM updating information, refer to service bulletin 03-070, *PCM Update With Automatic Transmission Replacement*.

For inspection, repair, ordering, and warranty information, refer to service bulletin 04-037.

Tool Information

An A/T Gear Inspection Kit was sent to each dealer on April 21 in support of the previously released safety recall bulletin 04-021 for the Odyssey and Pilot. Use the inspection kit for safety recall bulletin 04-037 as well. The inspection kit contains a digital camera, a camera mount, a laminated A/T Gear Inspection Guide, and everything else you need to take photos of the second gear.

Parts Information

Two weeks ago, we sent you enough oil jet kits to repair your new, in-stock vehicles. A second allocation of oil jet kits was sent last week. You will continue to get shipments of oil jet kits during July and possibly through August.

Customer Notification

Notifications will be mailed to all owners over a period of time, starting with the owners of the oldest vehicles first. Mailings begin in mid-August. As soon as possible, we will let you know, via the IN, the specific mail dates.

Please direct any rental car requests to your DPSM.

Sincerely,

American Honda Motor Co., Inc.
Honda Automobile Division



Applies To: 2001-03 3.2CL (Including Type S) - ALL
2000-03 3.2TL (Including Type S) - ALL
2004 TL - From VIN 19UUA66.4A000001 thru 19UUA66.4A014224

July 9, 2004

Safety Recall: CL and TL Automatic Transmission Second Gear Inspection (Replaces Preliminary Service Bulletin 04-020, dated July 1, 2004)

BACKGROUND

Certain operating conditions can result in heat buildup between the countershaft and secondary shaft second gears in the automatic transmission. Without enough oil flow to dissipate heat, prolonged operation under these conditions can eventually result in decreased material strength. In higher mileage vehicles, this can result in gear tooth chipping or, in very rare cases, gear breakage.

In most cases, transmission noise will indicate a problem, however it is possible for the transmission to become locked without warning. A locked transmission could result in a crash.

CUSTOMER NOTIFICATION

All owners of affected vehicles will be sent a notification of this recall. An example of the customer notification is at the end of this service bulletin.

Not all vehicles within the VIN ranges are affected by this recall. Before beginning work on a vehicle, verify its eligibility by checking at least one of these items:

- The customer has a notification letter.
- The vehicle is shown on your campaign responsibility report.
- The vehicle is shown as eligible on an IN VIN status inquiry.

In addition to these verification items, check for a punch mark above the 12th character of the engine compartment VIN. A punch mark in that location means the A/T has already been inspected and repaired.

Some vehicles affected by this recall may be in your new or used vehicle inventory. According to federal law, these vehicles cannot be sold or leased until they are repaired. To see if a vehicle is affected by this recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

NOTE: To confirm that an updated remanufactured A/T was installed during a previous repair and that it does not need an oil jet kit, use the IN VIN status inquiry. If there is a "C" next to S/B 04-020 on the VIN status inquiry screen, the transmission has been replaced with an updated, remanufactured unit. If so, return the vehicle to the customer. *There is no external way to tell if a remanufactured A/T has been updated.*

Vehicles with 15,000 miles or less:

Install an A/T oil jet kit.

Vehicles with more than 15,000 miles:

Do a photographic, *not visual*, inspection of the A/T second gear:

- Using the digital camera and camera mount in the A/T Gear Inspection Kit, take five clear photos of the second gear through the countershaft speed sensor hole.
- Load the photos onto an IN workstation, then display them on the monitor.
- Compare the gear color in the photos with the gear colors in the A/T Gear Inspection Guide that came with the camera.
- If you determine that the color of the gear in your photos matches gear level number 1 on the inspection guide, install an A/T Oil Jet Kit.
- If you determine that the color of the gear in your photos matches any gear level other than number 1 on the inspection guide, submit a completed A/T order form, with your digital photographs attached, to RPO Tech Line. RPO will either cancel your A/T order and let you know you need to install an A/T Oil Jet Kit, or process your A/T order so you can install a remanufactured A/T.
- If you are being sent a transmission for a 3.2CL or 3.2TL, you will also be sent a replacement PCM, and you may be sent a new fuel pressure regulator.

ONLINE ANIMATED SERVICE BULLETIN

If you are viewing this service bulletin on ISIS, you can [CLICK HERE](#) for an animated view of the inspection and repair procedures.

PARTS INFORMATION

NOTE: Oil jet kits are not interchangeable because the diameter of the oil jet is different between models.

A/T Oil Jet Kit (3.2CL and 3.2TL):

P/N 06250-P7W-305

(Contains oil jet, oil jet line with bracket, oil jet hose, ATF filler plug adapter and sealing washer, two O-rings, and three hose clamps)

A/T Oil Jet Kit (2004 TL):

P/N 06250-RDG-315

Contains oil jet, oil jet line with bracket, oil jet hose, ATF filler plug adapter, three sealing washers, one O-ring, three hose clamps, and two vacuum line clips)

TOOL INFORMATION

A/T Gear Inspection Kit:

NOTE: This is the same kit you received earlier this year to inspect MDX transmissions.

The kit contains these items:

- Canon Powershot A75 digital camera:
P/N CNUA75
(with Digital Camera Solution Disk Ver. 17.1 software, USB interface cable, four AA batteries, Compact Flash card, user guide, and quick start guide)
- Two Streamlight flexible "white LED" flashlights:
P/N STL65618

NOTE: To order additional cameras and flashlights, call the American Honda Tool and Equipment Program at (888) 424-6857.

- Numbering stamp (order by description)
- Ink pad (order by description)

NOTE: Additional numbering stamps and ink pads are available through the American Honda Tool and Equipment program, or commercially.

- Camera mount with bracket, spacer, and storage case: P/N 07AAB-PGHA100
- Color bar stickers: P/N 07AAB-PGHA200

NOTE: Additional camera mounts and color bar stickers are available through normal parts ordering procedures.

- A/T Gear Inspection Guide:
Helm reorder number E2363
This guide is packaged in the camera mount storage case. It contains photos of the A/T second gear in conditions varying from good to not good. Use the guide to help you decide the condition of the gear. The gear color determines whether or not a replacement transmission is needed. If you need more inspection guides, order them through Helm at (800) 782-4356.

WARRANTY CLAIM INFORMATION

OP#	Description	PRT	Template ID
222109	2001-03 3.2CLs and 2000-03 3.2TLs with 15,000 miles or less: Install A/T oil jet kit	0.4	04-020A
222109	2004 TLs with 15,000 miles or less: Install A/T oil jet kit	0.7	04-020B
222110	2001-03 3.2CLs and 2000-03 3.2TLs with more than 15,000 miles: Inspect A/T; install A/T oil jet kit	0.7	04-020C
222110	2004 TLs with more than 15,000 miles: Inspect A/T; install A/T oil jet kit	1.1	04-020D
222114	2001-03 3.2CLs and 2000-2003 3.2TLs with more than 15,000 miles: Inspect A/T; install PCM and remanufactured A/T	6.9	Use a Regular Claim format
A	Install fuel pressure regulator	0.1	
222111	2004 TLs with more than 15,000 miles: Inspect A/T; install remanufactured A/T	7.4	Use a Regular Claim format

Failed Part: P/N 23441-P7W-C00

Defect Code: 5CS

Symptom Code: P39

Skill Level: Repair Technician

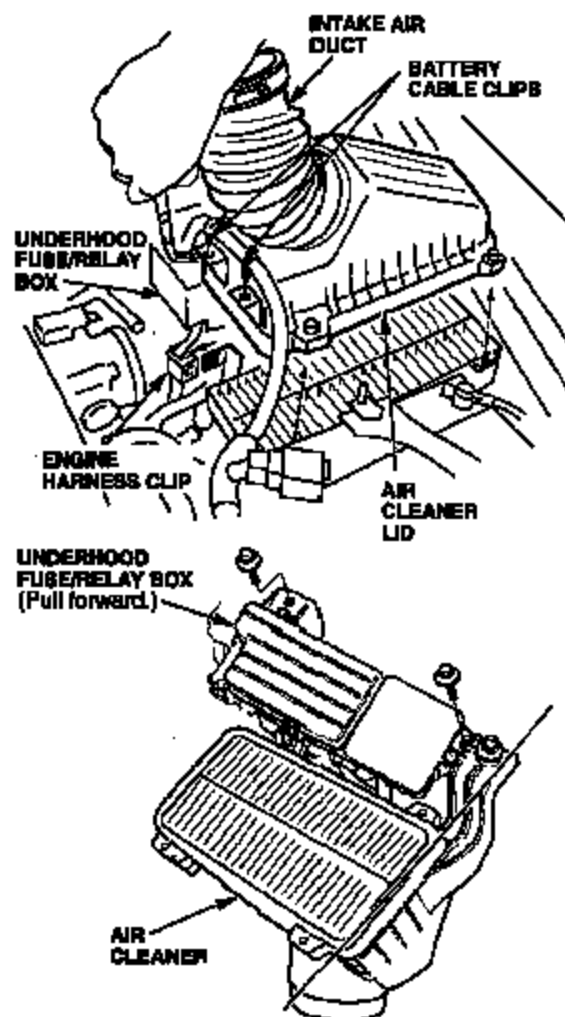
INSPECTION PROCEDURE

NOTE:

- If you're working on a vehicle with 15,000 miles or less, go directly to **REPAIR PROCEDURE**.
- For questions on camera adjustment, camera mounting, or gear condition, call RPO Tech Line at (888) 997-7278, and select option #2. Do not call Automobile Tech Line.
- For questions on camera warranty and camera software, call Canon Technical Support at (800) 828-4040. Do not call the Special Tools Hotline.
- The system requirements for using Digital Solutions Disk V17.1 camera software are Microsoft Windows 98, Me, 2000, or XP on a PC with built-in USB ports; PC with Pentium 150MHz or higher (Windows 98, Me, or 2000), or Pentium 300 MHz or higher (Windows XP). The camera software cannot be used on systems running Windows NT.

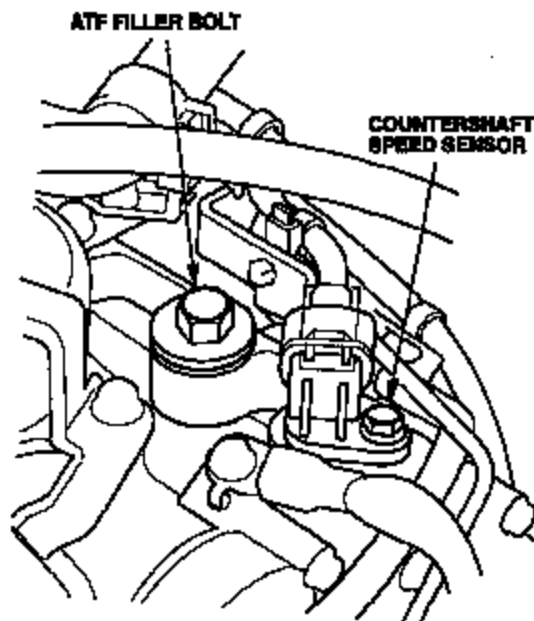
1. 2004 TL only (3.2CL and 3.2TL, go to step 2):

- Remove the left side and the left rear engine compartment covers. Refer to page 5-2 of the 2004 TL Service Manual. (In ISIS, use the keyword **ENG REMOV**, and select Engine Removal from the list.)
- Unbolt the air cleaner lid, detach the battery cable clips from the lid, then remove the lid and the intake air duct.



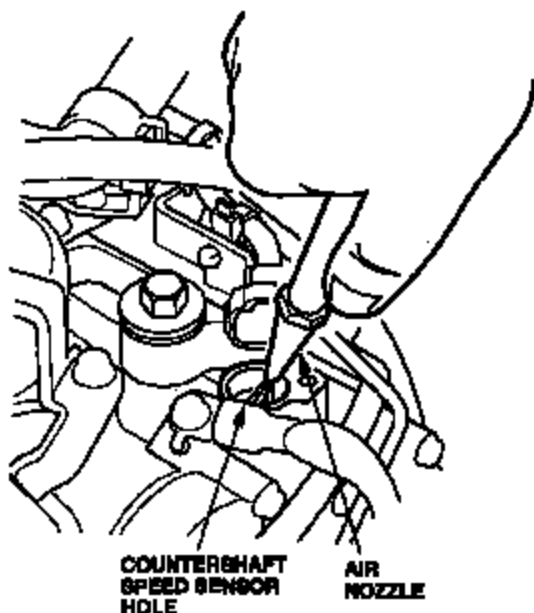
- Remove the two 10 mm bolts from the underhood fuse/relay box.
- Detach the engine harness clip from the fuse/relay box, and pull the fuse/relay box forward.

2. Clean the area around the ATF filler bolt, the countershaft speed sensor, and the ATF filter lines.



3. Remove the countershaft speed sensor.
4. Connect an air nozzle to the shop air supply. Insert the air nozzle into the countershaft speed sensor hole, and apply air to the top of the second gear for at least 15 seconds.

NOTE: This step is very important; it removes residual ATF from the second gear so you can see it more clearly. Make sure you blow off the top of the gear completely. Do not use anything but compressed air for this step.

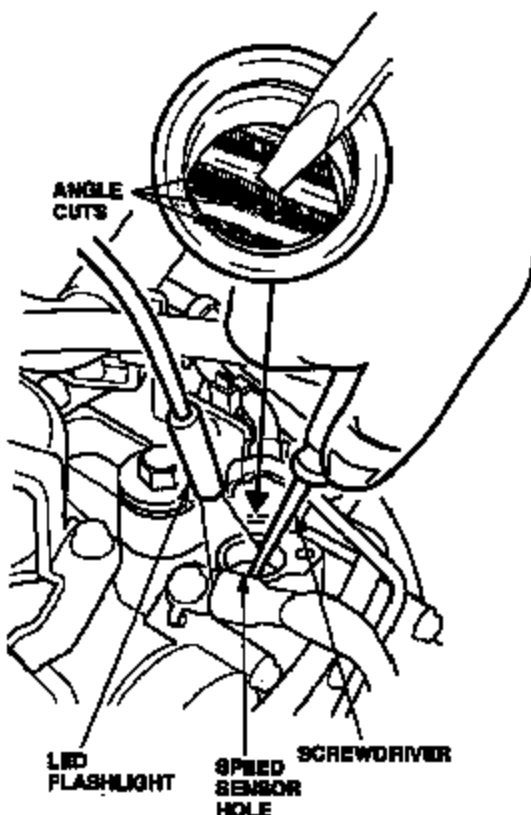


5. Using a clean shop towel, wipe out the bore of the countershaft speed sensor hole.

6. Shine the LED flashlight into the speed sensor hole. Using a small, flat-tip screwdriver, scrape across the top of the gear teeth. This will help you get a clearer photo of the gear.

NOTE:

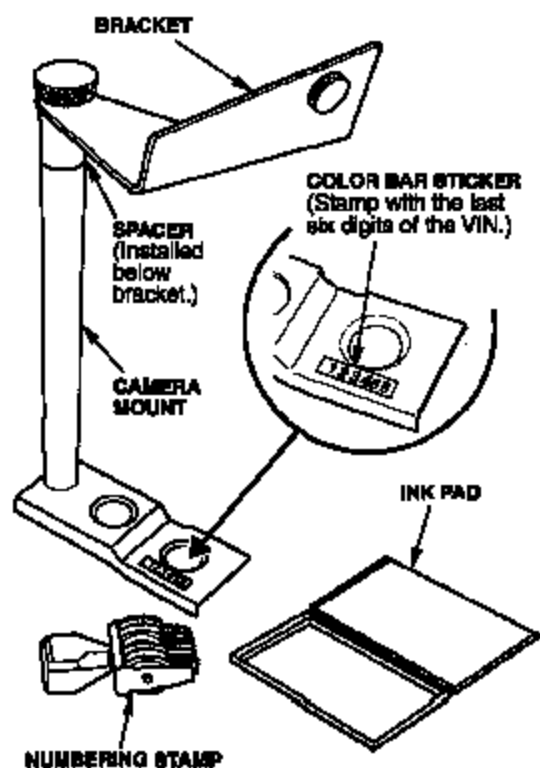
- If the gear teeth are brighter where you scraped them, it's an initial indication of gear overheating.
- The angle cuts near the top of the gear teeth are not a defect in the gear; they are used to identify gears during transmission assembly.



7. Prepare the digital camera for use, and adjust its settings. Most settings are saved after the initial adjustment. Refer to the *Powershot A75 Digital Camera User Guide* and the *Powershot A75 Digital Camera Quick Start Guide* as needed.
 - Open the battery door on the bottom of the camera, and install the four AA batteries.
 - Open the CF door on the side of the camera, then insert the CF card.
 - Turn on the camera, and select Manual mode by rotating the dial on the top of the camera to M.
 - Turn on the flash by pressing the up arrow button on the back of the camera.
 - Press the FUNC. button on the back of the camera, and adjust these mode settings in the Function menu:
 - In the Flash mode, select a flash output of 2/3rd (nine green dashes), then press the down arrow.
 - In the White Balance mode, select Cloudy, then press the down arrow.
 - In the Drive mode, select the rectangle, then press the down arrow.
 - Adjust the ISO speed to 50, then press the down arrow.
 - Select Effect Off, then press the down arrow.
 - Select Center Weighted Avg., then press the down arrow.
 - Select L resolution (2048 x 1536), then press the SET button.
 - Select Superfine compression, then press the FUNC. button.
 - Adjust the shutter speed to 1/200, then press the SET button.
 - Adjust the aperture to F8.0, then press the MENU button.
 - Adjust these mode settings in the Rec. Menu:
 - In the AIAF mode, select On, then press the down arrow.
 - In the Red-eye mode, select Off, then press the down arrow.
 - In the AF-assist Beam mode, select On, then press the down arrow.
 - In the Digital Zoom mode, select On, then press the down arrow.
 - Adjust the Review to 5 sec. Press the down arrow, then press the forward arrow.
- Adjust these mode settings in the Setup menu:
 - In the Mute mode, select Off.
 - In the Volume mode, press the forward arrow, then select full volume in all areas (Start-up, Operation, Self-timer, Shutter, and Playback). Press the MENU button, press the down arrow, then press the forward arrow.
 - In the Auto Power Down mode, select Off. Then press the MENU button, and press the down arrow.
 - Set the year, month, day, and time, then press the down arrow twice. (This bypasses the Format mode, which should not be adjusted.)
 - In the File No. Reset mode, select Off, then press the down arrow.
 - In the Auto Rotate mode, select Off, then press the down arrow.
 - In the Distance Units mode, select ft/in. Then press the down arrow, and press the forward arrow.
 - In the Language mode, select English, then press the MENU button, and press the down arrow.
 - In the Video System mode, select NTSC, then press the Menu button. (The My Camera menu does not need adjustment.)
- Every time you turn on the camera, check or adjust these settings:
 - Make sure the flash is on.
 - Select Manual mode by rotating the dial on the top of the camera to M.
 - Turn on the Macro by pressing the down arrow once. (The flower icon appears in the lower right corner of the display.)
 - Set the zoom to 6.0x: Move the zoom lever to the right, hold it for about 3 seconds, then release it; toggle the lever three times to the right until 6.0x appears in the display.

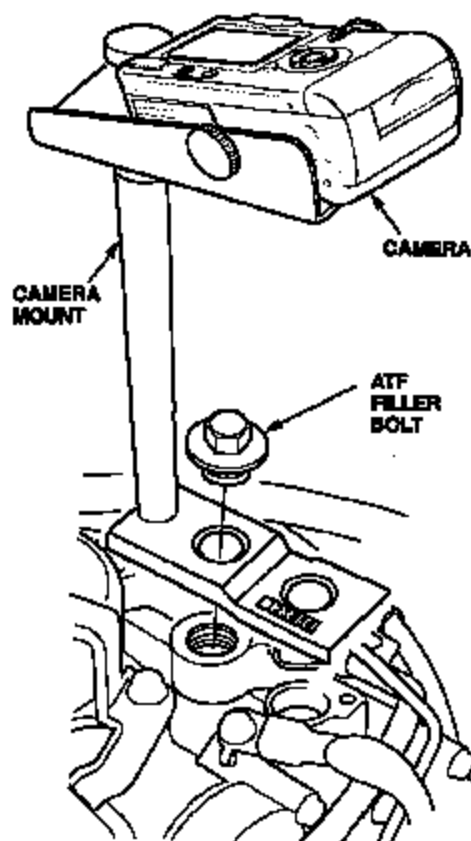
8. Stick a color bar sticker on the base of the camera mount. Using the number stamp and ink pad, dial in the last six digits of the VIN, ink the stamp, and then stamp the VIN onto the color bar sticker.

NOTE: For verification purposes, you'll need to use a new color bar sticker and the correct last six digits of the VIN for each vehicle inspected.



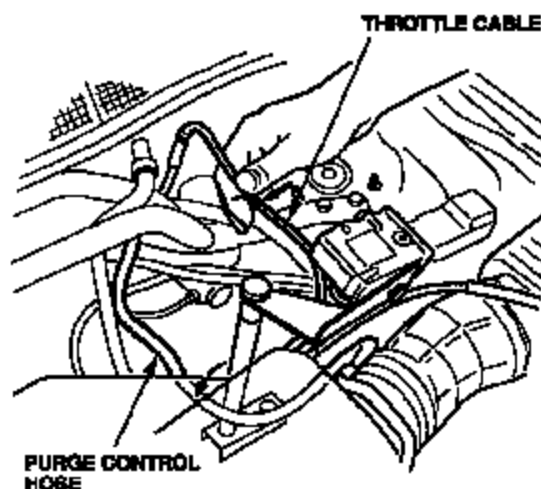
9. On the camera mount, position the spacer below the bracket.
10. Remove the ATF filler bolt.

11. Use the ATF filler bolt to attach the camera mount to the transmission.



12. Attach the camera to the camera mount. Make sure the camera spacer is correctly installed, and be careful not to damage the plastic threads in the bottom of the camera.

13. **3.2CL and 3.2TL:** Detach the throttle cable from the cable stay on the driver's side of the bulkhead. Before taking any photos, move the throttle cable and the purge control hose out of the way.
2004 TL: Make sure the fuse/relay box is out of the way.



14. Turn on the camera. Select Manual mode (M), turn on the macro (the flower icon appears in the lower right corner of the display), and set the digital zoom to 8.0x. Make sure the flash is on.
NOTE: The digital zoom turns off after 1 minute if you do not press any buttons.
15. Point the LED flashlight into the speed sensor hole to illuminate the gear. Keep the tip of the light out of the image.
16. Center the rectangular box in the camera display on the speed sensor hole, then press and hold the shutter button halfway down until the box changes from white to green. If the box doesn't turn green, release the shutter button, and try again.
NOTE: The picture in the display will not look as good as the actual photo.
17. While continuing to hold the shutter button halfway down, turn off the flashlight, and remove it from the area.
18. Gently increase pressure on the shutter button until the camera flashes and the image appears on the camera display.
19. Repeat steps 15 thru 18 to take five clear photos of the gear. If needed, reposition the camera mount to center your photos.
20. Remove the camera from the camera mount.
21. Remove the camera mount from the transmission.
22. Reinstall the countershaft speed sensor, tighten the sensor bolt to 12 N-m (8.7 lb-ft), and reconnect the sensor connector.
23. Select Play mode by sliding the switch on the back of the camera to ▶. Then turn off the camera.

24. Load the camera software (Digital Solutions Disk V17.1) onto your iN workstation. For loading instructions, refer to the *Powershot A75 Quick Start Guide*, step 6.

NOTE: If you have any software related problems, call Canon Technical Support at (800) 828-4040.

25. Attach the USB interface cable to a USB port on the iN workstation and to the Digital terminal on the left side of the camera.
26. Turn on the camera.
NOTE: The rest of the photo downloading steps are done on the iN workstation, not the camera.
27. When the "Camera Window Download Images" screen appears on the iN display, click on List Images.
28. Click on the images you want to download to the iN workstation.
29. Click on Download image. The Download Setting menu appears.
30. Click on Create New Folder. Name the new folder the 17-digit VIN you're currently working on. Click on Set as new, then click on OK.

31. To view a photo, double-click on it. Delete any photos you do not intend to use.
32. Using the *Automatic Transmission Gear Inspection Guide* (reorder #E2383), match the color of the gear in your photos with one of the gear condition levels on the guide. For a good match of gear color, it's helpful to hold the inspection guide next to the monitor. It's also good to get a consensus of the gear color with at least one other person.

NOTE: The color of the gear in your photos should be similar to the photos in the inspection guide. If your photos are not similar, try viewing them on a different monitor.

- If you determine that the color of the gear in your photos matches gear level #1 on the inspection guide, install an oil jet kit. Go to **REPAIR PROCEDURE**.
- If you determine that the color of the gear in your photos matches any gear condition level other than #1 on the inspection guide, you must send your photos to RPO Tech Line for review. Go to step 33.

33. Bring up the Warranty Automatic Transmission Order form on the IN:

NOTE: For additional information on filling out the order form and uploading images to the IN see the Job Aid, *Quick Start Warranty A/T Order Images*, on ISIS.

- From the IN main menu, click on **Service**.
- From the Service drop down menu, click on **Warranty A/T Order**.
- Enter the model and year of the vehicle, then click on **Search**.
- At the top of the screen, click on **Warranty Automatic Transmission Order**.

34. Fill out all required fields on the Warranty Automatic Transmission Order form. (Required fields have a red dot next to them.)

35. In the order form's Service Bulletin 04-013/04-020 field, click on **Yes**.

36. Click on **Image Upload**, and browse for the VIN file you are going to upload. Preview the photo if needed by double-clicking on it. If the photo is not clear, select another one. Do this step for each photo you are submitting.

NOTE: Uploading must be done one photo at a time.

37. Click on **Submit** to send the A/T order form and the photos to RPO Tech Line. RPO will review the photos and determine if the transmission needs an oil jet kit or if it needs to be replaced.

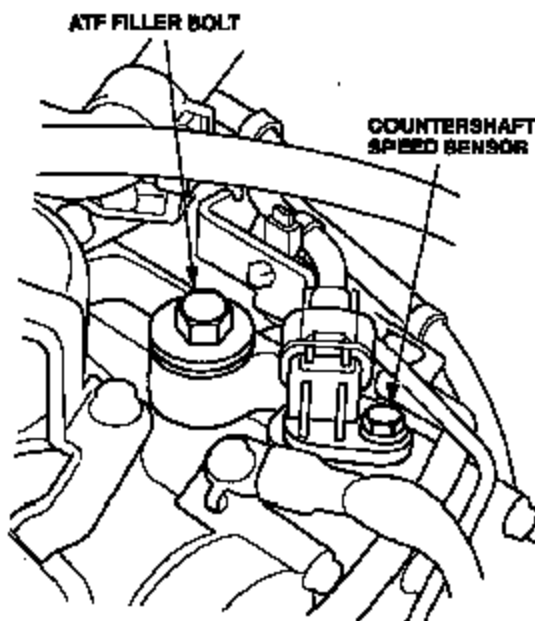
- If the gear color is normal, RPO will cancel your transmission order and call to let you know you need to install an oil jet kit. To install an oil jet kit, go to **REPAIR PROCEDURE**.
- If the gear color indicates an overheating condition, your transmission order will be processed, and the replacement transmission will be sent as soon as possible. To confirm acceptance of a transmission order, verify the part order status on the IN using the **Warranty A/T VIN Inquiry** under the **Parts Ordering** menu.
- When you receive the replacement transmission, go to step 19 of **REPAIR PROCEDURE**.

NOTE: If you are being sent a transmission for a 3.2CL or 3.2TL, you will also receive a new PCM and may receive a new fuel pressure regulator.

REPAIR PROCEDURE

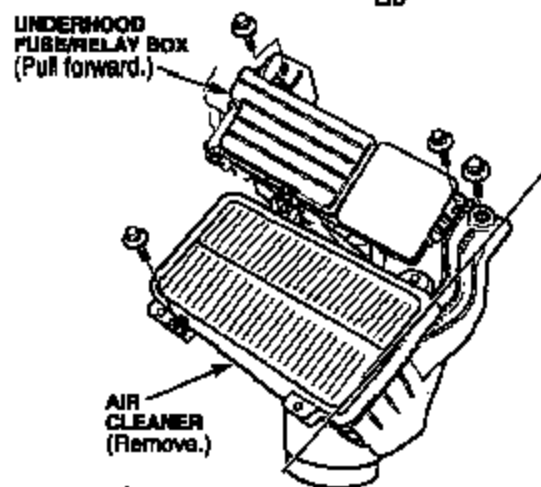
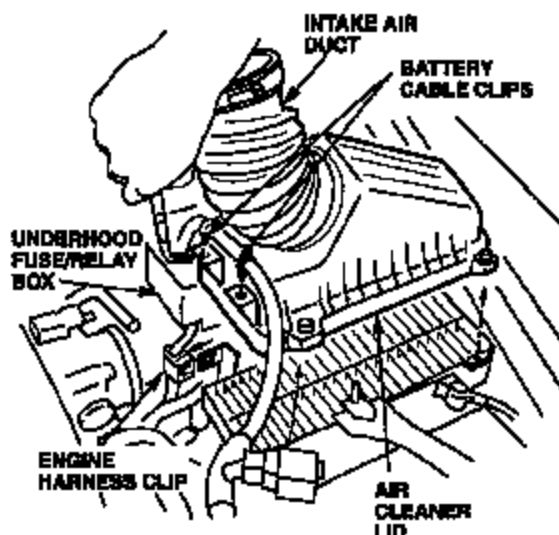
1. **2001-03 3.2CL and 2000-03 3.2TL:**

- Remove the Intake manifold cover and the Intake air duct. Refer to page 5-2 of the 2001-03 3.2CL Service Manual, or page 5-2 of the 1999-03 3.2TL Service Manual. (In ISIS, use the keyword **ENG REMOV**, and select **Engine Removal** from the list.)
- Detach the engine harness clips from the ATF oil line.
- Clean the top of the transmission around the ATF filler bolt, the countershaft speed sensor, and the ATF filter lines.



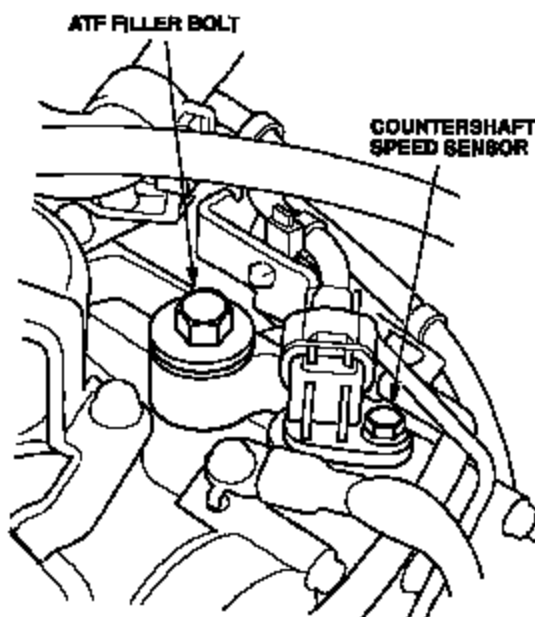
2004 TL

- Remove the left side and the left rear engine compartment covers. Refer to page 5-2 of the 2004 TL Service Manual. (In ISIS, use the keyword **ENG REMOV**, and select Engine Removal from the list.)
- Unbolt the air cleaner lid, detach the battery cable clips from the lid, then remove the air cleaner lid, the intake air duct, and the air cleaner.

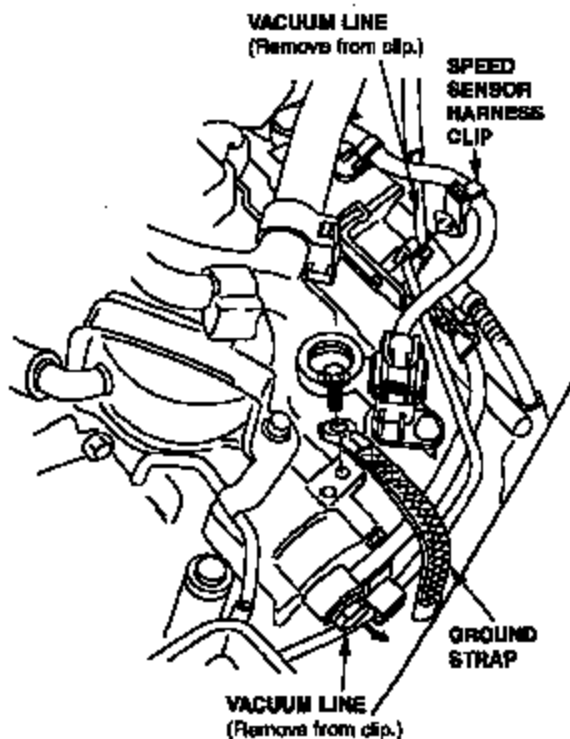


- Remove the two 10 mm bolts from the underhood fuse/relay box.
- Detach the engine harness clip from the fuse/relay box, and pull the fuse/relay box forward.

- Clean the top of the transmission around the ATF filler bolt, the countershaft speed sensor, and the ATF filter lines.

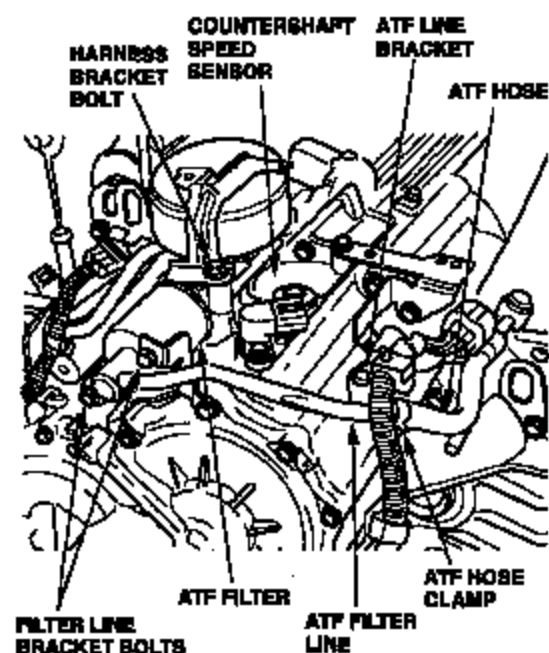


- Remove the transmission ground strap.
- Detach the wire harness from the ATF line bracket.
- Remove the metal vacuum lines from the two clips on the A/T cooler hose assembly.

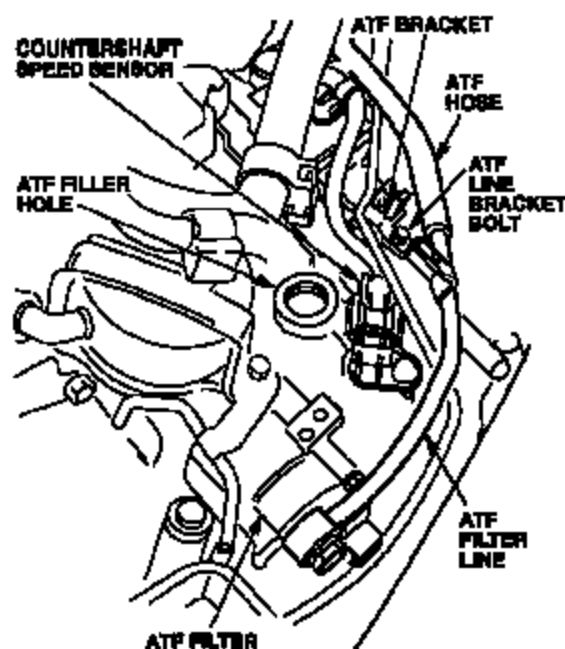


2. Disconnect the ATF hose from the ATF filter line, and discard the hose clamp.

**3.2 CL and 3.2 TL - A/T BEFORE
INSTALLATION OF A/T OIL JET KIT**



**2004 TL - A/T BEFORE
INSTALLATION OF A/T OIL JET KIT**



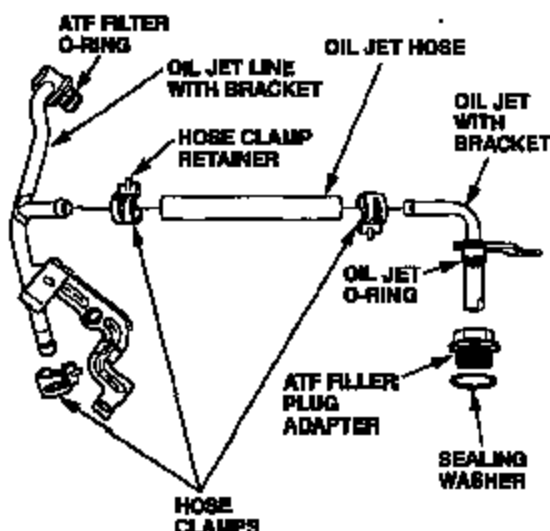
3. Remove the filter line bracket bolt(s), then remove and discard the ATF filter line assembly.

4. Assemble the A/T Oil Jet Kit out of the vehicle, but do not attach the oil jet to the oil jet hose yet.

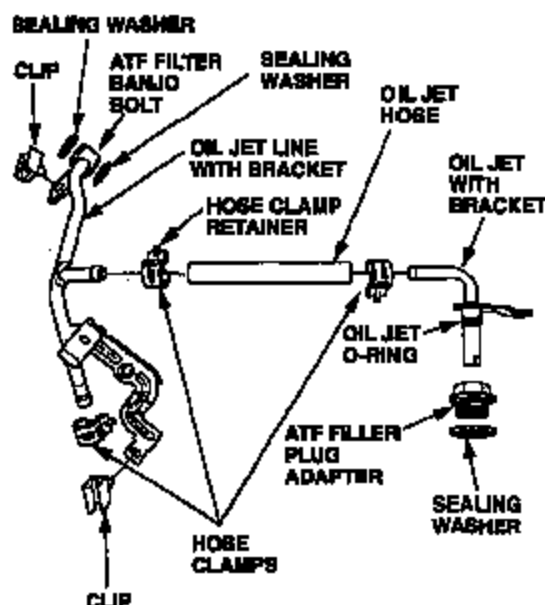
NOTE:

- Each hose clamp has a retainer to hold it in its spread position. To install a hose clamp, slide it into position (7 mm from the end of the hose), then pull off the retainer with pliers.
- Use clean ATF to assemble all metal-to-rubber lines and hoses. *Do not use grease or any other lubricants.*
- Make sure you insert the oil jet hose to the base of the "T" on the oil jet line.

3.2 CL and 3.2 TL

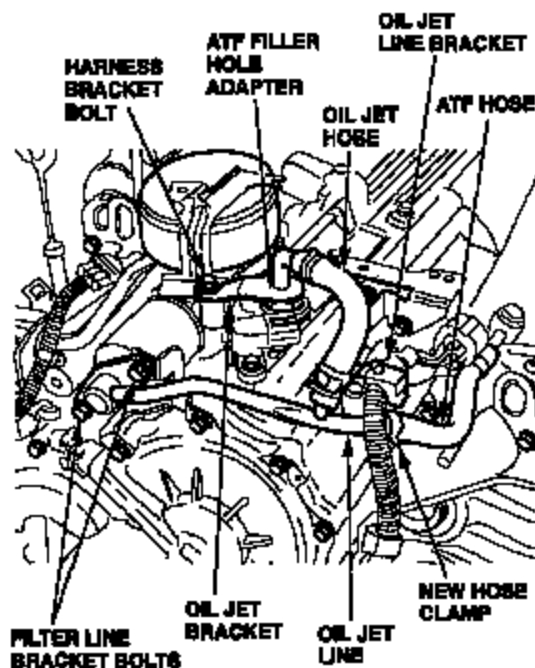


2004 TL

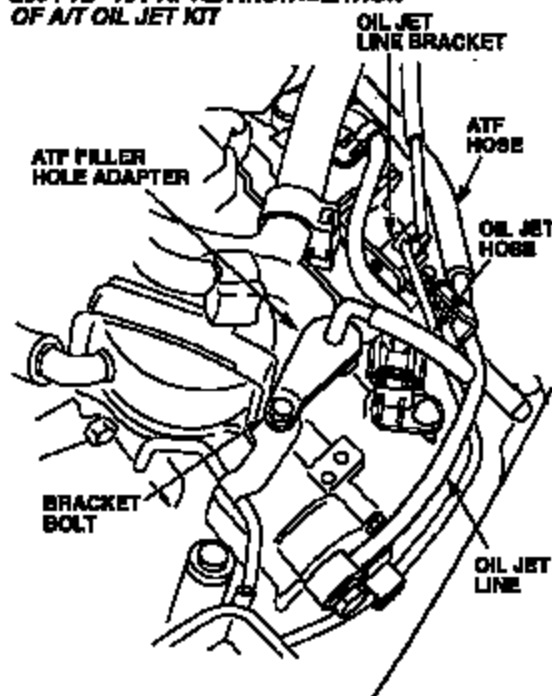


5. Install the oil jet line onto the ATF hose with a new hose clamp.
 - Use clean ATF to lubricate the oil jet O-ring and the ATF filter O-ring before installation.
 - Make sure there are no kinks in the oil jet hose when you install it onto the transmission.

**3.2 CL and 3.2 TL - A/T AFTER
INSTALLATION OF A/T OIL JET KIT**



**2004 TL - A/T AFTER INSTALLATION
OF A/T OIL JET KIT**



6. Install the other end of the oil jet line onto the ATF filter. **3.2CL and 3.2TL:** Torque the filter line bracket bolts to 12 N·m (8.7 lb-ft). **2004 TL:** Torque the filter line bolt to 28 N·m (21 lb-ft).
7. Remove the harness bracket bolt.
8. If not already done, remove and discard the ATF filler bolt.
9. Install the ATF filler plug adapter with a new sealing washer, and torque the adapter to 44 N·m (33 lb-ft).
10. Insert the oil jet into the filler plug adapter, and make sure the oil jet is flush. Position the oil jet bracket over the bracket bolt hole. Reinstall the bracket bolt, and torque it to 27 N·m (20 lb-ft).
11. Install the oil jet onto the oil jet hose and hose clamp. Then position the clamp 7 mm from the end of the hose, and release the clamp retainer.
12. Attach the oil jet line bracket, and torque the bolt to 12 N·m (8.7 lb-ft).
13. Connect the wire harness connector, and attach the harness to the oil jet line bracket.
14. Clean up any residual ATF that spilled when you installed the oil jet kit.
15. Start the engine. Move the shift lever to Drive, and then to Reverse. Move the shift lever to Drive and then to Park. Raise the idle speed to 1,500 rpm, keep it there for several minutes, then turn off the engine.
16. Check for ATF leaks at the oil jet kit. If you find any leaks, make sure the filler plug adapter, the oil jet, and all hose clamps are correctly installed.
17. Check the ATF level, and add fluid if needed.
18. Reinstall all removed parts, then go to step 20.

19. Replace the transmission.

3.2CL: Follow the instructions on pages 14-133 thru 14-146 of the 2001-03 3.2CL Service Manual.

3.2TL: Follow the instructions on pages 14-110 thru 14-122 of the 1999-03 3.2TL Service Manual.

2004 TL: Follow the instructions on pages 14-205 thru 14-227 of the 2004 TL Service Manual. (In ISIS, use the keywords TRANS REMOVAL and TRANS INSTALL.)

NOTE:

- On 3.2CLs and 3.2TLs, you will receive a PCM along with the transmission, and you may also receive a fuel pressure regulator. The PCM and fuel pressure regulator are sent separately from the transmission, and will arrive within a day before or after the transmission. You must install these parts to ensure maximum transmission durability. For installation information, refer to section 11 of the appropriate service manual. Also, refer to REPLACING THE ECM/PCM in service bulletin 00-019, *Immobilizer System (Type 2)*. On ISIS, use the keywords "Immobilizer type 2." (New fuel pressure regulators have a black dot on top to help you identify them.)
- ATF cooler cleaning is not needed because failure of the transmission was heat-related only.
- Replacement transmissions do not require an ATF Oil Jet Kit; they have been updated internally.
- When refilling the transmission, use Honda Genuine Transmission Fluid ATF-Z1.
- Make sure you do the idle learn procedure.
- During the road test, you do not need to check the shift points with the HDS.
- After the road test, recheck the ATF level, add fluid if needed, and check for leaks.

20. Center-punch a completion mark above the 12th character of the engine compartment VIN.

Center-punch here.

19UUA6XXXXXXX

Summer 2004

Safety Recall: CL and TL Automatic Transmission Second Gear Inspection

Dear Acura 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 Motor Co., Ltd., has decided that a defect relating to motor vehicle safety exists in certain 2001-03 3.2CLs, 2000-03 3.2TLs, and 2004 TLs.

Certain operating conditions can result in heat buildup in the transmission second gear set and may lead to gear tooth chipping. In very rare cases, gear breakage can occur. Gear failure could result in transmission lock-up, and a crash could occur without warning.

What should you do?

Call any authorized Acura dealer and make an appointment to have your vehicle repaired. For vehicles with less than 15,000 miles, the dealer will install an oil jet kit to provide additional lubrication to the gears. For vehicles with more than 15,000 miles, the dealer will inspect the affected gear for heat discoloration, which indicates possible damage. If heat discoloration exists, the dealer will replace the transmission. If heat discoloration is not found, the dealer will install an oil jet kit. This work will be done *free of charge*. Please plan to leave your vehicle all day to allow the dealer flexibility in scheduling the inspection and installing the oil jet kit. If transmission replacement is needed, the work will take more than one day.

Who to contact if you experience problems.

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

American Honda Motor Co., Inc.
Acura Client Services
Mail Stop 500-2N-7E
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
400 Seventh Street, SW
Washington, DC 20590

Or call the toll-free Safety Hotline at (888) 327-4238.

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

Our records show that you are the current owner or lessee of a 2001-03 3.2CL, 2000-03 3.2TL, or 2004 TL 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.

If you paid to have the transmission replaced, you may be eligible for reimbursement. Refer to the attached instructions for eligibility requirements and the reimbursement procedure.

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 contacting an Acura dealer, please call Acura Client Services at (800) 382-2238, and select menu option #2.

We apologize for any inconvenience this campaign may cause you.

Sincerely,
American Honda Motor Co., Inc.
Acura Automobile Division

July 9, 2004

Dear Service Manager:

Honda Motor Co., LTD has announced a safety recall campaign for certain 2001-03 3.2CLs, 2000-03 3.2TLs, and 2004 TLs.

Certain operating conditions can result in heat build-up between the countershaft and secondary shaft second gears in the automatic transmission. Without enough oil flow to dissipate heat, prolonged operation under these conditions can eventually result in decreased material strength. In higher mileage vehicles, this can result in gear tooth chipping or, in very rare cases, gear breakage.

In most cases, transmission noise will indicate a problem, however it is possible for the transmission to become locked without warning. A locked transmission could result in a crash.

Affected Vehicles

All 2001-03 CLs, all 2000-03 3.2TLs, and some 2004 TLs are affected by this campaign, including those in your new and used vehicle inventory. For the affected 2004 TL VINs, refer to Service Bulletin 04-020, *Safety Recall: CL and TL Automatic Transmission Second Gear Inspection*. According to Federal law, any new or used affected vehicles in your vehicle inventory cannot be sold or leased until they are repaired.

Repair Strategy

On vehicles with less than 15,000 miles, install an A/T oil jet kit (no inspection needed). The oil jet kit sends a supply of ATF directly to the second gears, preventing heat build-up.

For all other vehicles, inspect the second gear through the countershaft speed sensor hole, and take five clear photos of the gear using the camera and equipment in the supplied A/T Gear Inspection Kit. Then view the photos on your IN workstation, and compare them to the gear color levels in the supplied A/T Gear Inspection Guide.

- If you determine that the color of the gear in your photos matches gear level #1 on the A/T Gear Inspection Guide, install an A/T oil jet kit.
- If you determine the color of the gear in your photos matches any gear level other than number 1 on the A/T Gear Inspection Guide, submit a completed A/T order form, with your digital photographs, to RPO Tech Line. RPO will either cancel your A/T order and let you know you need to install an A/T oil jet kit, or process your A/T order so you can install a remanufactured A/T.

For inspection, repair, ordering, and warranty information, refer to Service Bulletin 04-020.

Tool Information

An A/T Gear Inspection Kit was sent to each dealer on April 21 in support of the previously released safety recall bulletin 04-019 for the MDX. Use the inspection kit for safety recall bulletin 04-020 as well. The inspection kit contains a digital camera, a camera mount, a laminated A/T gear inspection guide, and everything else you need to take photos of the second gear.

Parts Information

Last week, we sent you enough A/T oil jet kits to repair your new, in-stock vehicles. A second allocation of oil jet kits was sent this week. You will continue to get shipments of oil jet kits during July and possibly through August.

Customer Notification

Notifications will be mailed to all owners over a period of time, starting with the owners of the oldest vehicles first. Mailings begin in late July. As soon as possible, we will let you know, via the IN, the specific mail dates.

Please direct any rental car requests to your DPSM.

Sincerely,

American Honda Motor Co., Inc.
Acura Automobile Division