

2006 TL: TQI and New Model Information

This service bulletin gives you the information needed for TQI of the 2006 TL. It also describes some of the TL's features, equipment, and service information that differ from other models.

NOTE: For TQI information on the DVD navigation system with voice recognition, refer to service bulletin 03-013, *TQI of the DVD Navigation System With Voice Recognition*.

This bulletin includes these TQI procedures:

- Install Fuses
- Do the Idle Learn Procedure
- Do the CKP Pattern Learn Procedure
- Set the Radio and the Clock (Models Without Navigation System)
- Remove the Interior Protective Coverings
- Install the Shift Lock Release Cover (A/T Models)
- Remove the SRS Seat Tags
- Initialize the Driver's and Front Passenger's Window Auto-Up/Down
- Check the Moonroof One-Touch Feature
- Install the Front License Plate Holder
- Install the Underbody Plugs
- Check Tire Pressures
- Initialize the Tire Pressure Monitoring System
- Activate the XM[®] Satellite Radio Demo Service

This bulletin provides this new model information:

- Fuel Cap Warning System
- Multi-Information Display
- Tire Pressure Monitoring System

WARRANTY CLAIM INFORMATION

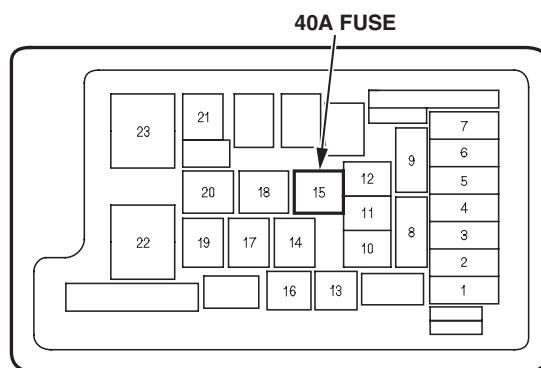
None. The information in this service bulletin is considered part of TQI.

TQI PROCEDURES

NOTE: Make sure you fill out the TQI checklist in the vehicle's maintenance journal. The journal is in the owner's manual kit in the trunk.

Install Fuses

To prevent battery drain during vehicle shipment, the No. 15 fuse (40A, Backup) is removed from the underhood fuse/relay box and stored in the glove box. Make sure you install this fuse.



Do the Idle Learn Procedure

To avoid an erratic idle, do the idle learn procedure after you install the Backup fuse.

NOTE: Idle speed adjustment is done by the ECM/PCM; there is no adjustment screw.

1. Make sure all electrical items (A/C, radio, rear window defogger, lights, etc.) are off.
2. Start the engine, and let it reach operating temperature (the cooling fans cycle twice).
3. Let the engine idle for 10 minutes with the throttle closed.

Idle learn must also be done when you update or replace the ECM/PCM. It does not need to be done after you erase DTCs.

Do the CKP Pattern Learn Procedure

To ensure proper engine operation, do the CKP pattern learn procedure after doing the idle learn procedure. Do this procedure on a level road during your TQI test-drive. The procedure consists of a low-rpm and a high-rpm pattern test. Make sure you do the low-pattern learn first.

1. *Low-rpm Pattern Learn:* Shift to D3, and decelerate with the throttle fully closed from 2,500 rpm to 1,000 rpm.
2. *High-rpm Pattern Learn:* With the transmission in the sequential sportshift mode, shift to 1, and decelerate with the throttle fully closed from 5,000 to 3,000 rpm.

Set the Radio and the Clock (Models Without Navigation System)

Set the radio and the clock after you install the backup fuse. Here's how:

1. Turn the ignition switch to ON (II), and turn on the radio.
2. If not already done, enter the radio anti-theft code.
3. Enter a different AM or FM station on each radio preset button. To enter a station, press and hold a preset button until you hear a beep.
4. Set the clock by pressing the H button until the current hour is displayed then pressing the M button until the current minute is displayed.

NOTE: When you disconnect the battery, the radio presets are retained.

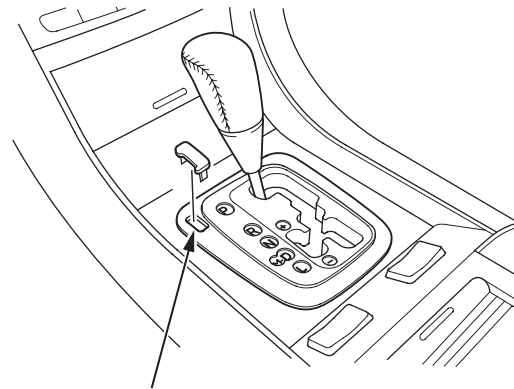
Remove the Interior Protective Coverings

Remove the protective coverings from these parts:

- Center panel module
- Front door trim pieces
- Inner pillar trim pieces
- Center console trims

Install the Shift Lock Release Cover (A/T Models)

The shift lock release cover is in a small bag in the owner's manual kit. Remove the cover from the bag, and install it into the shift lock release opening on the left side of the shift lever.



SHIFT LOCK RELEASE OPENING

Remove the SRS Seat Tags

Remove the SRS tags on the driver's and front passenger's seats.

Initialize the Driver's and Front Passenger's Window Auto-Up/Down

The driver's and front passenger's window auto-up/down feature needs to be initialized at TQI. The windows also need to be initialized after any window parts are replaced (including accessory door visors). To initialize the auto-up/down, do this for each front window:

NOTE: Disconnecting the battery does not require window initialization.

1. Make sure the window is fully closed, then push and hold the window switch until the window opens all the way.
2. Pull back the window switch, and hold it until the window is fully closed. Continue to hold the switch for another 2 seconds.
3. Check the auto-up/down feature: When you firmly push the window switch then release it, the window should open fully; when you firmly pull back the switch then release it, the window should close fully. If the window doesn't work this way, repeat the initialization.

Check the Moonroof One-Touch Feature

Make sure the moonroof one-touch feature works correctly. When you firmly slide the moonroof switch backward and release it, the moonroof should open fully; when you firmly slide the switch forward and release it, the moonroof should close fully; when you push up on the switch and release it, the moonroof should tilt. If the moonroof doesn't work this way, do this calibration procedure:

NOTE: Disconnecting the battery does not require moonroof calibration.

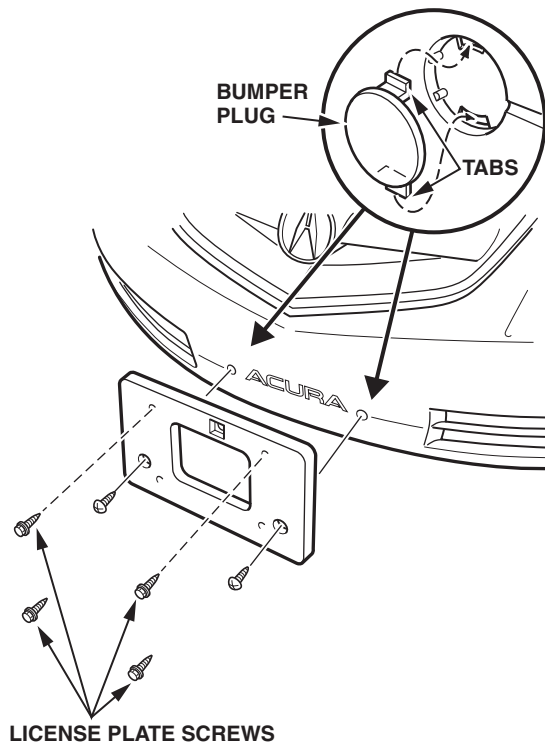
1. Make sure the battery is fully charged, then turn the ignition switch to the ON (II) position, and open the moonroof fully.
2. Press and hold the moonroof SLIDE OPEN switch. When the moonroof moves backward, then slightly forward, release the switch.
3. Within 5 seconds, press and hold the SLIDE OPEN switch again. When the moonroof closes fully, tilts up, then closes, release the switch.
4. Check the one-touch operation. If needed, repeat the procedure.

For more information, refer to section 22 of the 2004-2006 TL Service Manual.

Install the Front License Plate Holder

The front license plate holder and mounting hardware are in the trunk. If state regulations require that a front license plate is installed, do this:

1. Reach behind the front bumper, and remove the two bumper plugs by releasing the lock tabs.

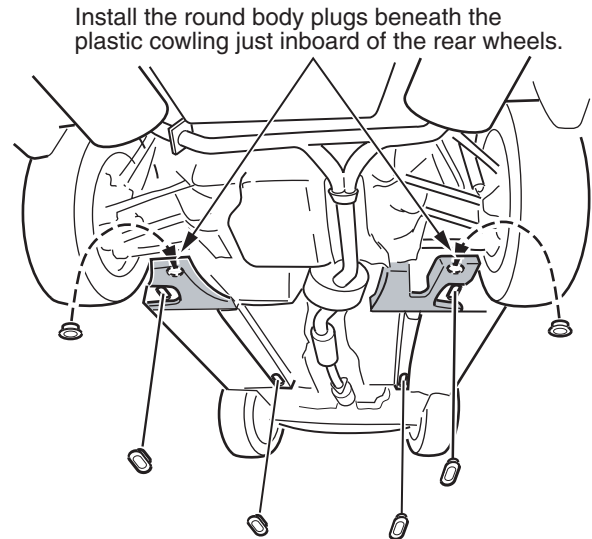


2. Install the holder onto the bumper with the two self-tapping screws.

NOTE: The rest of the hardware in the kit is for attaching the front license plate to the holder and installing the rear license plate.

Install the Underbody Plugs

Six underbody plugs are stored in the trunk. Install the plugs in the holes as shown.



Check Tire Pressures

To prevent flat spots during shipping and storage, the tires are inflated to 40 to 50 psi. To avoid customer complaints of harsh ride quality, adjust the cold tire pressures to these readings:

- A/T models: 32 psi (front and rear)
- M/T models: 35 psi (front); 32 psi (rear)

Initialize the Tire Pressure Monitoring System

Ensure that all four tires are at the proper tire pressure (see driver's door jamb for proper tire inflation).

If the tire pressure monitoring system (TPMS) indicator on the instrument panel stays on when the ignition switch is in the ON (II) position, do this to initialize the system:

1. Start the engine, then stop it by turning the ignition switch to the LOCK (0) position.
2. Wait 25 seconds.
3. Repeat steps 1 and 2 eight times.
4. Check the TPMS message in the multi-information display; the tire pressure readings should be normal. If the readings are abnormally high, check for diagnostic trouble codes (DTCs) with the Honda Diagnostic System (HDS).

Activate the XM Satellite Radio Dealer Demo Service

XM radio comes with a dealer demo service that includes the full range of XM channels once you install the No. 15 fuse. If the dealer demo service is not activated, you need to do a refresh on the Interactive Network (iN). Without the dealer demo service, XM radio has only a preview capability (see NOTE at the end of this section for more information).

To check for dealer demo service, do this:

1. Turn the ignition switch to the ACCESSORY (I) or the ON (II) position.
2. Turn on the radio, and press the **XM** button on the audio panel.
3. Tune to **1** (channel 1) with the TUNE button to make sure you are receiving the XM signal. (Channel 1 is the XM preview channel.) If you don't receive channel 1, park the vehicle outside where there is a clear view of the southern sky.
4. Look at the audio unit display while pressing the TUNE button.
 - If you can tune to channels 7, 9, 47, and 122, the dealer demo service is already activated. Leave the radio turned on and tuned to channel 1 for 7 minutes to refresh the dealer demo service.
 - If you cannot tune to channels 7, 9, 47, and 122, you need to do a refresh. Go to step 5.
5. Tune to **0** (channel 0), then write down the eight-digit XM radio ID number you see in the audio unit display. You need this ID number along with the VIN to do a rapid refresh of the dealer demo service.

NOTE:

- If you cannot tune to channel 0, switch from category mode to channel mode.
- The ID number does not contain the letters I, O, S, or F.

6. Go to an iN workstation.

NOTE: If you don't have access to the iN, call XM Satellite Radio at **(800) 852-9696**. When you hear the XM automated menu, enter priority code **9466** to route your call to an XM agent. Ask the agent for a rapid demo activation.

7. From the iN main menu, click on **SERVICE**. From the Service menu, click on **Service Bay**. From the Service Bay menu, click on **XM Radio**. This brings up the **DEALER ACTIVATION REFRESH** screen.

NOTE: If you cannot bring up the Dealer Activation Refresh screen, call the iN Support Center at **(800) 245-4343**.

8. Enter the eight-digit XM radio ID number you wrote down in step 5, then click on **Submit**. Once the ID number is recognized, you will see the **ACTIVATION REFRESH** screen.

NOTE: If you enter the wrong ID number, or if it was not recognized, you will see an error display. If this happens, call XM Satellite Radio at **(800) 852-9696**. When you hear the XM automated menu, enter priority code **9466** to route your call to an XM agent. Ask the agent for a rapid demo activation.

9. Make sure the radio is on and tuned to channel 1, then wait for XM to send the activation signal.

NOTE:

- Once XM gets your activation request, it immediately sends an activation signal from its two satellites or ground base repeats. XM sends this signal every 10 minutes for up to 2 hours.
- If you miss the activation window, repeat steps 6 thru 9.

10. Look at the audio unit display while pressing the TUNE button.

- If you can tune to channels 7, 9, 47, and 122, the dealer demo service is activated, and no further action is needed.
- If you cannot tune to channels 7, 9, 47, and 122, repeat steps 6 thru 10.

NOTE:

- The dealer demo service lasts for 12 months or until the vehicle's retail delivery registration (RDR) is submitted. It ends when the RDR is submitted.
- After the vehicle is registered, the dealer demo service converts to a customer account. The customer gets a 3-month trial service of all available XM channels. If the customer decides to end the service after that time, the XM radio reverts to a preview mode (channels 0,1 and 247). The AM/FM radio is not affected.
- The XM radio receives digital broadcasts from two fixed-orbit satellites near the equator along with a network of ground antennas (repeaters). You will get the strongest signal if you locate the vehicle where there is a clear view of the southern sky.
- The XM radio may lose reception when you are driving through a tunnel, under an overpass, inside a parking garage, or near the northern face of a canyon or a mountain.
- To cut down on reception loss, XM radio uses a buffer. If the reception loss lasts longer than the buffering period, the signal goes silent. Any reception loss makes the signal go silent; the signal does not fade like it does with an AM/FM radio.
- If you ever need to replace the XM radio receiver, call XM Satellite Radio at **(800) 852-9696**. Be prepared to give them your dealer number, the VIN, and the XM radio ID numbers from the printed label on the side of the old and the new receiver units.

- The XM radio presets are lost if the battery is disconnected or if it goes dead. Before you disconnect the battery on a customer's vehicle, make sure you write down the XM radio presets.

NEW MODEL INFORMATION

Fuel Cap Warning System

In the 2004 and 2005 TL, the Fuel Cap Warning System prompted a "Check Fuel Cap" message on the multi information display (MID) when the gas cap was not fully tightened. In the 2006 TL, this message reads "Tighten Fuel Cap."

As soon as it is safely possible, clients should turn off the engine and check that the fuel cap is installed. If it is, they should loosen the cap and tighten until they hear it click once. Although you can use the Select/Reset button to cycle the fuel cap warning off of the display, the message will reappear each time the vehicle is started. It may take several days of normal driving for the vehicle to turn the warning off. If the vehicle on-board diagnostic system continues to detect a problem, the malfunction indicator lamp (MIL) comes on. If the MIL does not go off, clients should take the vehicle to their Acura dealership for inspection.

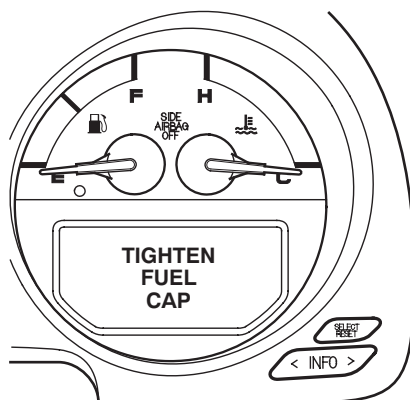
Multi-Information Display

The TL has a multi-information display (MID) that keeps the driver aware of vehicle status and provides easy access to several electronic functions. The MID screen and its controls are below the fuel and engine temperature gauges.

Vehicles without navigation have a center display module. In 2006 TLs, the text illumination color is blue.

In addition to alerting the driver of needed maintenance items, the MID can be used to customize the operating conditions of many electronic features such as auto door locking and unlocking, keyless lock acknowledgement, the security relock timer, the headlight auto off timer, and the interior light dimming timer.

The MID also alerts you to potential problems, such as a loose fuel cap, driving with the parking brake set, or an open door.



Tire Pressure Monitoring System

The tire pressure monitoring system (TPMS) uses sensors at each wheel and a control unit to constantly monitor the tire pressures when the ignition switch is in the ON (II) position. If any of the tires are extremely low on pressure, a low tire pressure indicator on the instrument panel comes on, and a CHECK TIRE PRESSURE message appears on the multi-information display with an icon showing which tire is low.

NOTE:

- Extreme altitude and cold weather can affect tire pressure. To make the pressures as accurate as possible, adjust them when the tires are cold.
- Aftermarket wheels cannot be used on vehicles with TPMS.