

2009 TSX: TQI and New Model Information

(Supersedes 08-020, dated April 17, 2008, to update the information marked by the black bar)

This service bulletin gives you the information needed for the TQI of the 2009 TSX. It also describes new service information that relates to the TQI of the TSX. For more new model information, refer to training module NM135, *2009 Acura TSX Tech Info Guide (TIG)*.

The 2009 TSX comes in two trim levels:

- TSX
- TSX with Technology Package

NOTE: For TQI information on the DVD navigation system with voice recognition, refer to Service Bulletin 08-017, *2009 TSX: TQI of the DVD Navigation System With Voice Recognition*.

This bulletin includes these TQI procedures:

- Install the Fuses
- Check the Battery
- Do the Idle Learn Procedure
- Set the Radio and the Clock (Models Without Navigation System)
- Remove the Interior Protective Coverings
- Install the Floor Mats
- Remove the Exterior Protective Coatings
- Install the Shift Lock Release Cover (A/T Models)
- Initialize the Driver’s Window Auto-Up/Down Feature
- Install the Front License Plate Holder
- Set the Tire Pressures
- Check/Refresh the XM[®] Satellite Radio Dealer Demo Service (All Except Alaskan and Hawaiian Models)

This bulletin provides this new model information:

- HDS Software Version
- Fuel Fill Door Release

WARRANTY CLAIM INFORMATION

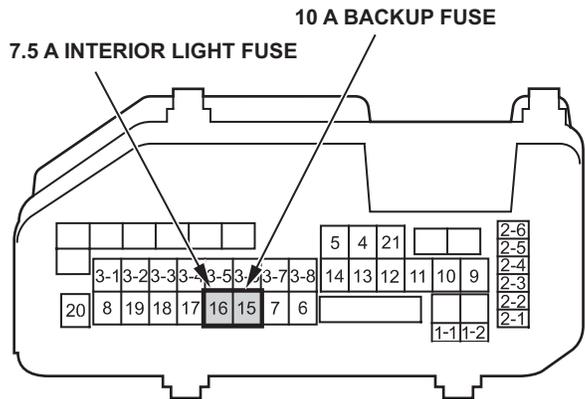
None. The information in this service bulletin is considered part of the TQI.

TQI PROCEDURES

NOTE: Make sure you record the TQI on the appropriate pages of the vehicle’s maintenance journal. The TQI procedure is not finished until this service bulletin and the maintenance journal checklist are both completed.

Install the Fuses

To prevent battery drain during vehicle shipment, the No. 15 fuse (10 A, Backup) and the No. 16 fuse (7.5 A, Interior Light) are removed from the under-hood fuse/relay box and stored in the glove box. Install these fuses. Make sure there are no DTCs.



Check the Battery

To ensure long battery life and that the client receives a fully charged battery, the battery should be checked in these instances:

- When the vehicle first arrives at the dealership
- During the TQI (if done at a later time)
- During regular intervals
- Just before delivering the vehicle to the client

Test the battery with the ED-18 battery tester using the instructions in Service Bulletin 88-016, *Battery Testing and Replacement*. Do not use the battery’s test indicator window to check its state of charge. If the ED-18 tester does not show **GOOD BATTERY**, charge the battery (refer to Service Bulletin 89-006, *Battery Maintenance at Dealers*), then recheck it.

Write down the **GOOD BATTERY** 10-digit code in the maintenance journal: During the TQI, write down the code in the “Under Hood (Engine Cold)” section, and then when the vehicle is delivered to the client, write down the code in the “Final Inspection (At Delivery)” section.

Do the Idle Learn Procedure

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

To avoid an erratic idle, do the idle learn procedure after you install the No. 15 fuse.

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.

The idle learn procedure must also be done after updating or replacing the ECM/PCM. It does not need to be done after you clear DTCs.

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

Set the radio and the clock after you install the No. 15 fuse by doing this:

1. Turn the ignition switch to ON (II), and turn on the radio.
2. If not already done, enter the audio system 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. Press and hold the CLOCK button on the audio panel until the system beeps.
5. Press and hold the H button on the audio panel to set the hour.
6. Press and hold the M button on the audio panel to set the minutes.
7. When you are finished setting the time, press the CLOCK button again.

NOTE: The audio presets are retained when the battery is disconnected.

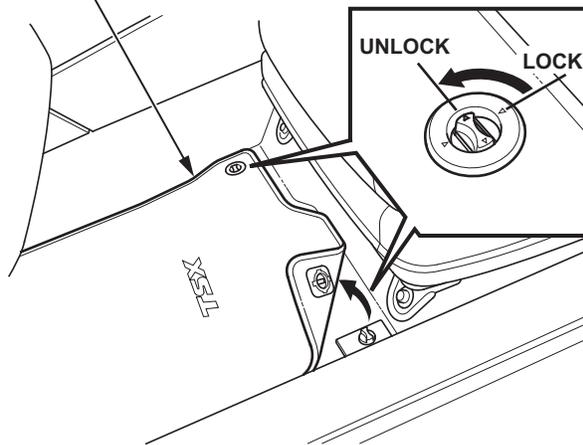
Remove the Interior Protective Coverings

Each door sill has an inner and outer trim. Remove the protective cover from both trim pieces on each door. Also, remove the blue plastic film from the outer trim pieces.

Install the Floor Mats

Floor mats are standard on all models, and they come stored in the trunk. Install the mats in the appropriate positions. Place the driver's floor mat eyelets over the anchors on the floor, then turn the knobs clockwise to lock the anchors.

FLOOR MATS
(Driver's floor mat is shown.)

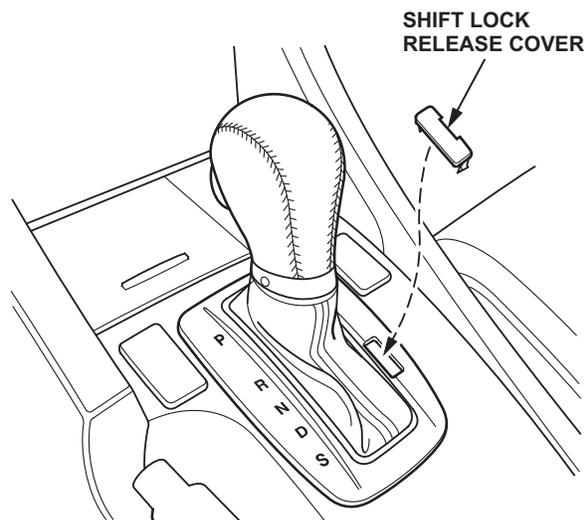


Remove the Exterior Protective Coatings

Carefully remove the exterior protective coatings, but do not remove the protective plastic on the forward edge of the rear fenders. This protective plastic helps to prevent rock chips on the front of the fender. Also, make sure to remove the protective tape from the front chin spoiler (under the front bumper). Refer to Service Bulletin 96-009, *Removal of Protective Coatings During TQI*.

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 right side of the shift lever.



Initialize the Driver's Window Auto-Up/Down Feature

To initialize the auto-up/down feature, do this:

1. Make sure the driver's 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 and then release it, the window should open fully; when you firmly pull back the switch and then release it, the window should close fully. If the window doesn't work this way, repeat the initialization.

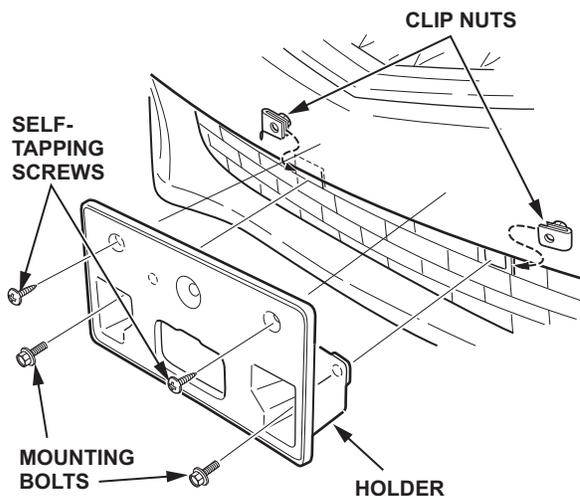
Initialize the driver's window auto-up/down feature after replacing any driver's window parts or installing accessory door visors.

NOTE: Initialization is not needed after you disconnect/reconnect the battery.

Install the Front License Plate Holder

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

1. Install the two clip nuts on the bumper brackets.



2. Install the holder using the two black mounting bolts.
3. Secure the top of the holder to the bumper with the two 5 x 16 mm 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.

Set the Tire Pressures

To prevent flat spots during shipping and storage, the tires are inflated to over 40 psi. Adjust the tire pressures to the cold inflation pressures listed on the driver's doorjamb sticker. If you are in a cold climate region, make sure the tires are at the outside ambient temperature before adjusting the pressures; otherwise, the TPMS low pressure indicator may show low tire pressure in cold weather. Be sure to also check the pressure in the spare tire.

NOTE: The spare tire does not have a TPMS sensor. The low pressure indicator does not come on if the pressure in the spare tire is low.

Check/Refresh the XM Satellite Radio Dealer Demo Service (All Except Alaskan and Hawaiian Models)

The XM Satellite Radio comes from the factory activated with the dealer demo service. Once you install the No. 15 fuse, the XM radio will receive the full range of available XM channels. Make sure this service is activated by checking if the radio is getting channels **000, 001, 007, 009, 047, 122, 174, and 247**. If it is not, do a rapid refresh on the *iN* (Interactive Network). Without the dealer demo service activated, the XM radio only displays channels **000, 001, 174, and 247**. To check for the dealer demo service, do this:

1. Turn the ignition switch to ON (II).
2. Turn on the radio, enter the 4-digit navigation anti-theft code (if not already done), and press the XM button.
3. Make sure the radio is in **CHANNEL MODE**, not **CATEGORY MODE**. Press and hold the DISP-MODE button until the mode changes (without navigation), or touch the **MODE** icon (with navigation) to switch between modes.
4. Tune to channel **001** (the XM preview channel) to make sure you are receiving the XM signal. If you do not get a clear signal, park the vehicle outside where there is a clear view of the southern sky.
5. Look at the audio unit display, and turn the TUNE knob.
 - If you can tune to channels **000, 001, 007, 009, 047, 122, 174, and 247**, the dealer demo service is activated. Tune to channel **001**, and leave the radio on for 7 minutes to refresh the dealer demo service. No further action is needed.
 - If you cannot tune to channels **000, 001, 007, 009, 047, 122, 174, and 247**, the dealer demo service is not yet activated, and an activation refresh needs to be done. Go to step 6.

6. Turn the TUNE knob to **000**, then write down the 8-digit XM radio ID number you see in the audio unit display. You need this ID number, your dealer number, and the VIN to do an activation refresh of the dealer demo service. Then go to step 7.

NOTE:

- If you cannot tune to channel **000**, you are in **CATEGORY MODE**. See step 3 above to switch from **CATEGORY MODE** to **CHANNEL MODE**.

- Check the ID code carefully. The letters I, O, S, and F are not used.

7. Go to an *n*N workstation.

NOTE: If you don't have access to the *n*N, call XM Satellite Radio at **(800) 852-9696**, and follow the instructions on the automated menu. When the agent answers, ask for a rapid dealer activation refresh, then go to step 10.

8. From the *n*N main menu, click on **SERVICE**, click on **Service Bay**, and then click on **XM Radio**. This brings up the **DEALER ACTIVATION REFRESH** screen.

NOTE: If you cannot bring up this display, call the *n*N Support Center at **(800) 245-4343**.

9. Enter the 8-digit XM radio ID number you wrote down in step 6, then click on **Submit**. You will see the **ACTIVATION REFRESH** screen once the ID number is recognized.

NOTE: If you enter the ID number incorrectly, or if it is not recognized, you will see an error display. If this happens, follow the instructions on the display.

10. Turn the TUNE knob to **001** to make sure you are receiving the XM signal. If you do not get a clear signal, park the vehicle outside where there is a clear view of the southern sky, then go to step 11.

11. Leave the radio on for at least 10 minutes, then go to step 12.

12. Look at the audio unit display, and turn the TUNE knob.

- If you can tune to channels **000, 001, 007, 009, 047, 122, 174, and 247**, the dealer demo service is activated. No further action is needed.
- If you can only tune to channels **000, 001, 174, and 247**, the dealer demo service is not yet activated. Repeat steps 10 and 11 for up to 2 hours until the dealer demo service is activated.
- If, after 2 hours, you can only tune to channels **000, 001, 174, and 247**, repeat steps 7 thru 11.

NOTE:

- The dealer demo service lasts for 7 months or until the vehicle's RDR (retail delivery registration) is submitted.
- After the vehicle is registered, the dealer demo service converts to a client account. The client gets a 3-month trial service of all available non-premium XM channels. If the client decides to end the service after that time, the XM radio reverts to preview mode. Normal AM and FM radio reception is not affected by ending the service.
- The XM radio receives digital programming 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 move 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.
- Because the XM radio signal is digital, any reception loss makes the signal go silent; the signal usually 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.
- Your client's XM radio presets will be lost if you disconnect the 12-volt battery or if it goes dead. Always write down the XM radio presets before you disconnect the battery.

NEW MODEL INFORMATION

This new model information relates to the TQI of this model. For more new model information, refer to training module NM135, *2009 Acura TSX Tech Info Guide (TIG)*.

HDS Software Version

The HDS software is 2.013.017 or later.

Fuel Fill Door Release

When the doors are unlocked, the fuel fill door can be opened from outside the vehicle by pushing on the rear of the door. When the doors are locked, a electronic solenoid locks the fuel fill door. There is a manual release behind the left trunk trim panel.