

2009 Fit: PDI Information

(Supersedes 08-065, dated August 19, 2008, to update the information marked by the black bars)

The 2009 Fit continues to use a unique type of PDI procedure. This procedure focuses your attention on important customer satisfaction areas to meet or exceed our customers' expectations.

The PDI is a three-part process. The PDI technician does two of the three processes. Each process is important for a successful delivery.

- **Mechanical Inspection** - Done by the PDI technician.
- **Road Test** - Done by the PDI technician.
- **Final Inspection** - Done by the sales staff at delivery.

NOTE: To do a PDI on a vehicle with a navigation system, also refer to Service Bulletin 08-058, *2009 Fit: PDI of the DVD Navigation System*.

WARRANTY CLAIM INFORMATION

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

PDI PROCEDURE

NOTE:

- **Before doing the PDI** on the Fit, you **must** complete technical training module NM220, *Honda Fit Technical Information Guide*.
 - Make sure you also complete the PDI form in the front section of the Service History booklet. The PDI procedure is not finished until this bulletin and the PDI checklist are both completed.
 - Make sure you fuel the vehicle before doing the road test.
 - Note on the repair order any repairs or problems that cannot be fixed within a few moments.
1. Park the vehicle on level ground with an available lift. You may do the entire mechanical portion of the inspection with the vehicle on the lift.
 2. As you exit the vehicle, note the tire pressure specifications listed on the tire information label in the driver's doorjamb.

3. Remove the following items from the interior:
 - PDI shipping bag and the tool kit in the rear floor area
NOTE: These items sometimes move around during shipping. If they are not in the rear floor area, check under the rear seat.
 - Loose items in the glove box (antenna mast, radio code card, and the shift-interlock cover, if applicable)
 - Wheel covers, if applicable, on the right-front floor

Mechanical Inspection

Exterior Inspection

4. Check the paint finish for dents, dings, scratches, or blemishes.
5. Make sure the body gaps are even and the gap spacing is consistent.

Under-Hood Inspection

6. Release and raise the hood, then attach the support rod.
7. Check the engine compartment for damage, leaks, and loose components. Make sure the battery box is securely mounted and the cable clamps are tight.
8. To ensure long battery life and that the customer receives a fully charged battery, the battery should be checked in these instances:
 - When the vehicle first arrives at the dealership
 - During the PDI (if done at a later time)
 - During regular intervals
 - Just before delivering the vehicle to the customer

Test the battery with the ED-18 battery tester using the instructions in Service Bulletin 88-023, *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 89-003, *Battery Maintenance at Dealers*), then recheck it.

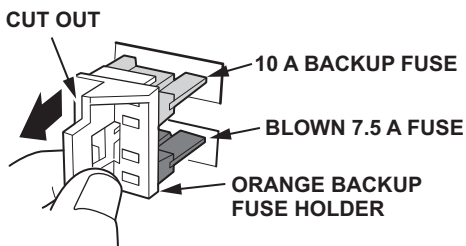
Write down the **GOOD BATTERY** 10-digit code in the Honda Service History booklet: During the PDI, write down the code in the "Under Hood (Engine Cold)" section, and then when the vehicle is delivered to the customer, write down the code in the "Final Inspection (At Delivery)" section.

9. Check all fluid levels:
 - Engine oil
 - Engine coolant
 - Automatic transmission fluid, if applicable
 - Brake fluid
 - Clutch fluid, if applicable
 - Windshield washer fluid

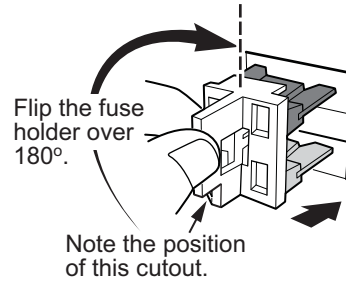
Install the PDI Items

10. The 2009 Fit uses a new type of backup fuse installation procedure. In the under-dash fuse/relay box, there is an orange backup fuse holder that contains a 7.5 A fuse and a 10 A fuse. When the vehicle completes all of the operation checks at the factory, the vehicle is electronically commanded to blow the 7.5 A backup fuse.

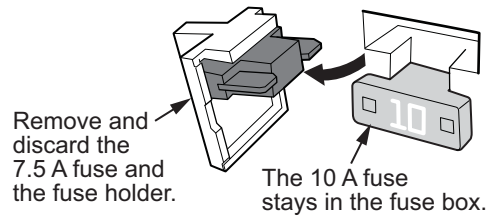
Before installing the new backup fuse, wait at least one minute after turning the ignition switch to LOCK (0), then pull open the fuse access panel on the lower driver's side dashboard and pull out the orange fuse holder. Note the cut-out at the upper corner of the holder.



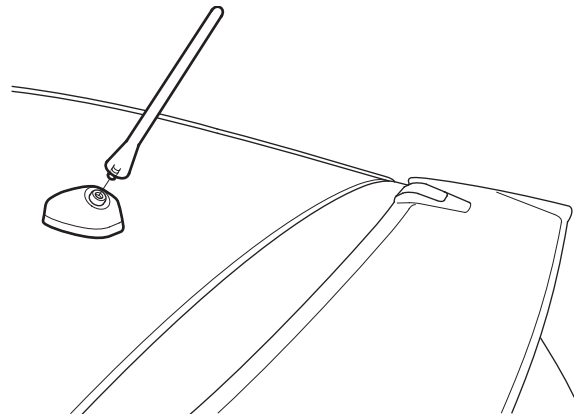
11. Turn the fuse holder over so that the cut-out is at the bottom, then reinsert the holder and the two fuses into fuse/relay box.



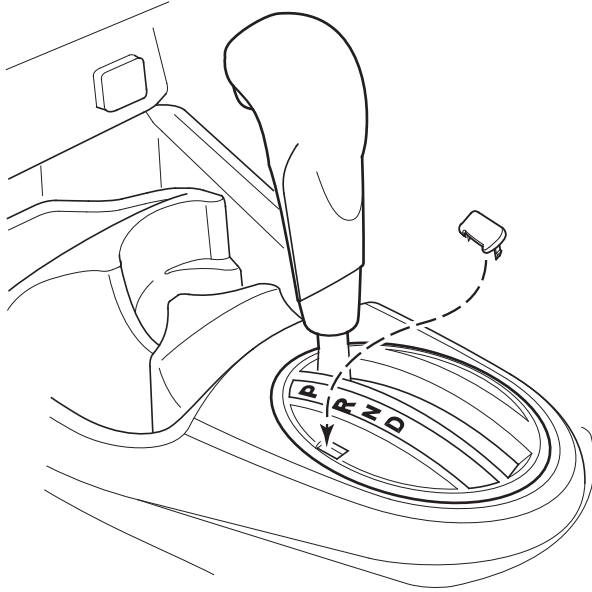
12. Pull out the fuse holder again. The blown 7.5 A fuse should come out with the holder, and the new 10 A backup fuse should stay in the No. 1 position in the fuse box. Make sure the fuse is securely seated. Discard the fuse holder and the blown 7.5 A fuse.



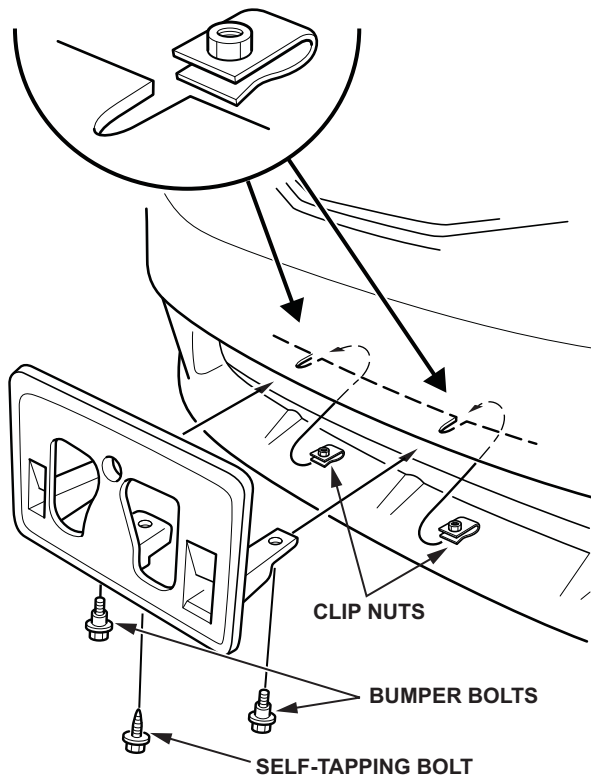
13. Remove the cover from the antenna base, then install the antenna mast hand-tight in its base on the rear of the roof.



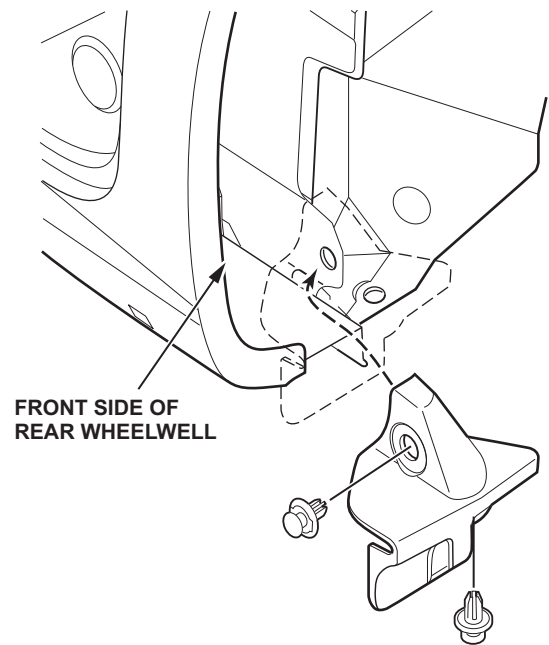
14. *With automatic transmission:* Install the shift-interlock release cover with its notch facing the driver's side.



15. Raise the vehicle on a lift to half-height.
16. If state regulations require that a front license plate be installed, install the front license plate holder as shown.



17. Install the rear strakes as shown.



18. *Base models:* Remove the shipping protection from the wheels, then install the wheel covers.
19. *Sport models:* Remove the shipping protection from the wheels.
20. Make sure the TPMS (tire pressure monitoring system) sensors are operational, and set the tire pressures.

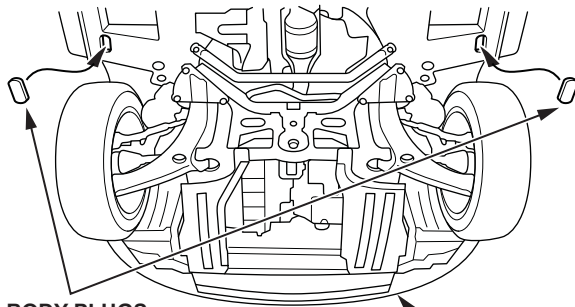
NOTE: If this procedure is not done during the PDI, the TPMS indicator will come on after driving about 20 miles. When the TPMS indicator comes on, the TPMS control unit also sets one or more of these TPMS DTCs: 32, 34, 36, 38, or 41. The repair of any of these DTCs at PDI, or shortly after, is not warrantable.

- Turn the ignition switch to LOCK (0).
 - Use a tire pressure gauge with a bleeder valve to quickly lower the pressure in one tire to 18 psi or less. The tire pressure must be lowered by **at least 3 psi within 15 seconds**, or the TPMS sensor in the wheel will not be activated.
- NOTE: To ensure accuracy, periodically check your tire pressure gauge with the calibration tool, P/N 07AAJ-000A100, H/C 8298457. This tool was sent to all dealerships in August 2006.
- Adjust the tire pressure to the cold inflation pressure listed on the driver's doorjamb sticker. If you are in a cold climate region, make sure the tire is at the same temperature as the outside air before adjusting the pressure; otherwise, the TPMS low tire pressure indicator may show low tire pressure in cold weather.
 - Repeat the above steps for the other three tires.

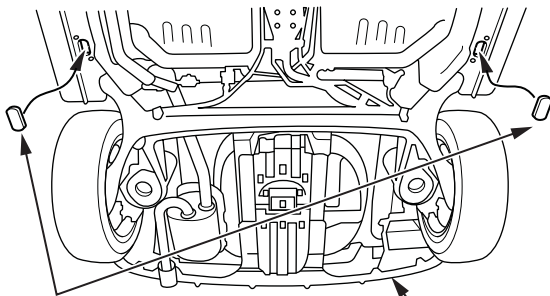
21. Raise the vehicle on the lift to full-height.

22. Install the four body plugs.

NOTE: The body plugs are part of the noise-reduction package. They play a significant role in reducing road noise.



BODY PLUGS
FRONT OF VEHICLE



BODY PLUGS
REAR OF VEHICLE

23. *Sport models:* Remove the protective tape from the front spoiler.



FRONT SPOILER

Undercarriage Inspection

24. Inspect the undercarriage for any leaks or damage that may have occurred during shipping.

25. Inspect the tires for defects or damage.

NOTE: You only need to check the wheel nut torque on wheels that have been removed or replaced.

26. Inspect the front and rear suspension bolts for torque paint.

NOTE: The factory uses paint to indicate that the bolts have been properly torqued.

27. Lower the vehicle to the ground.

Interior Inspection

28. Remove the spare tire. Inspect and adjust the spare tire pressure to the specification that you noted on the driver's doorjamb, then reinstall the spare tire.

NOTE: The spare tire does not have a TPMS sensor.

29. Place the tool kit securely in the left rear corner of the spare tire well. Make sure it will not move when the vehicle is driven.

NOTE: Do not leave the tool kit loose in the spare tire well or in the spare tire rim. The kit will move during vehicle operation and make noise.

30. Inspect the rear cargo area for cleanliness, damage, and defects, and make sure the rear cargo cover is properly positioned.

31. Inspect the passenger compartment for cleanliness, damage, and defects.

NOTE: Seats, floors, and door panels are the most common areas to become dirty prior to customer delivery. Pay special attention to make sure these areas are clean.

Initialize and Check Systems

32. Get the audio or the navigation unit code card and stickers from the glove box.
33. Turn on the audio or the navigation unit, then enter the code.
34. Set all the radio station presets with popular local radio stations, and then set the clock.
35. Apply an audio or navigation unit code sticker and a serial number sticker to the Anti-Theft Radio I.D. Card.
36. Apply the other audio or navigation unit code sticker and the serial number sticker to the repair order, which is kept in the dealer's service records.
NOTE: Do not apply an audio or navigation unit code sticker to the glove box.
37. Use all of the keys and remote transmitters when you check these items:
 - Doors and manual locks (including child safety locks)
 - Keyless remote operation and security system on Sport model
38. Start the engine, and check for proper operation of these items:
 - Audio functions, including the USB audio input on Sport models
 - Horn
 - Front and rear wipers and washers
 - Exterior lights and turn signals
 - Interior lights
 - Power windows, locks, and mirrors
 - Seat belt, latch, and inertia lock operation on all belts
 - Accessory power socket
39. Do the idle learn procedure (the engine should be warmed up and idling from step 38, and the cooling fans should have already cycled twice):
 - Make sure all electrical items (A/C, audio unit, defogger, lights, etc.) are off.
 - Let the engine idle (throttle closed and all electrical items off) for **10 minutes**.
40. While the engine is idling, sign on to the Interactive Network (iN), and do a VIN status inquiry for open recalls and product updates. If any are found, note them on the repair order. They must be completed prior to customer delivery.
41. Do the PDI of the navigation system (if equipped). Refer to Service Bulletin 08-058, *2009 Fit: PDI of the DVD Navigation System*.

Road Test

Preparing for the Road Test

The road test is important to verify critical areas of operation and performance, as well as to check for abnormal noise, vibration, and harshness. The road test needs to cover various conditions that are similar to what the customer will experience.

Your dealership should establish a route that is used for all vehicles, and you should always use the same route for your road tests. Using the same route helps to quickly determine what is normal and what is abnormal.

The route should include these driving conditions and checks:

- **City and highway** - Check drivetrain performance.
- **Stop-and-go driving** - Check engine performance and braking.
- **Cruise speeds** - Check for abnormal surging, chassis vibrations, and wind noises. On Sport models, check the cruise control operation.
- **Flat and cambered roads** - Make sure the steering wheel is straight, and check for abnormal drift or pull.
- **Straight and curvy roads** - Check steering and handling performance.
- **Smooth and bumpy roads** - Check for abnormal noise, vibration, and harshness.
- **Uphill and downhill conditions** - Check drivetrain performance, cruise control response, and braking.

Beginning the Road Test

NOTE: Do not road test a vehicle with a low fuel level.

Starting the engine

1. Start the engine. Make sure the engine starts properly, has a normal fast idle, and does not have any abnormal noise or vibration.

Instrument panel

2. Check for proper operation of the instrument panel gauges, and make sure there are no indicators or warning messages during the road test.

Parking Brake

3. Pull up firmly on the parking brake lever. The lever should click 6–7 times.

Automatic Transmission

4. Check the operation of the key and shift-interlock systems.
5. With your foot on the brake, move the shift lever in the following order to make sure the transmission engages normally without abnormal noise or vibration:
 - From Park (P) to Reverse (R), and then to Neutral (N);
 - From N to R, and then to Drive (D);
 - From D to R, and then back to P.
6. Shift into R, and back up to make sure the reverse gear operation is smooth and without abnormal gear noise.
7. Shift into D, and make sure the A/T engages. Throughout the road test, make sure the A/T upshifts and downshifts smoothly and quietly through all of the gears without slipping or surging, and without gear noise.
8. Make sure the doors automatically lock when you reach 6 mph.
9. *Sport models:* Check A/T operation with the shift lever in Sequential Shift Mode (S).
10. *Sport models:* Check paddle shifter operation with the shift lever in both D and S.
11. *Base models:* Check A/T operation with the shift lever in D3, 2, and 1.

Manual Transmission

12. Check the clutch pedal operation, and make sure the clutch engages smoothly and quietly.
13. Make sure the shift lever moves freely and quietly without binding or chattering.
14. Make sure the doors automatically lock when you reach 6 mph.
15. Shift up at the recommended shift points, and make sure the gears engage smoothly without grinding.

| SHIFT UP | NORMAL SHIFT SPEED |
|------------|--------------------|
| 1st to 2nd | 15 mph (24 km/h) |
| 2nd to 3rd | 27 mph (43 km/h) |
| 3rd to 4th | 34 mph (55 km/h) |
| 4th to 5th | 53 mph (85 km/h) |

Engine Performance

16. Check the engine performance in various conditions. Acceleration and deceleration should be smooth with good throttle response. Make sure the engine does not hesitate.
17. Check for a smooth and stable idle at stops with loads, such as the A/C, the blower motor, and the rear window defogger, and with no load.

Steering and Handling

18. Check the steering and handling under different speeds and conditions, and make sure the steering is smooth and precise when turning either direction. Make sure to turn the steering wheel from lock to lock at slow speeds.
19. Make sure the steering wheel returns to center after completing a turn.
20. Make sure the steering wheel is straight when driving straight ahead, and the vehicle tracks without drift or pull on level roads.

NOTE: If the vehicle drifts or pulls, do this:

- Find a straight, level stretch of four-lane road where you can safely and legally go **60 mph** for several minutes.
- While driving at **60 mph**, use a stopwatch to measure the time it takes to drift from the middle of one lane to the middle of the next lane. Note the time.
- Do this again going the opposite direction to cancel the effect of wind, then average the two times.
 - If it takes **less than 6 seconds** to drift from the middle of one lane to the middle of the next, note this on the repair order to check the wheel alignment.
 - If it takes **more than 6 seconds** to drift from the middle of one lane to the middle of the next, the wheel alignment is OK.

Brakes

21. Check braking performance at different speeds. Make sure the pedal is firm, and that the vehicle slows smoothly and comes to a stop without the pedal pulsing or vibrating.
22. Check for abnormal brake noise or pulling.
23. When it is safe, firmly apply the brakes to activate the ABS. The pedal should pulse, and some noise is normal.

Heating and A/C Controls and Operation

24. Make sure the A/C compressor turns on and off (listen for it to click), and that the green indicator on the A/C button is on when the A/C is on.
25. Check the operation of the fresh air/recirculation lever.
26. Check the operation of the temperature control, the fan control, and the mode control dials.
27. Make sure the A/C system cools the interior, and make sure the A/C compressor cycles on and off under various driving conditions.
28. Make sure the heating system warms the interior, and make sure the defroster directs air to the windshield.

Cruise Control (Sport Models)

29. During the road test and under various conditions (uphill, downhill, etc.), check all of the cruise control functions and operation.
 - **CRUISE** button - Make sure the CRUISE MAIN indicator comes on when you press the CRUISE button. It should go off when you press it again.
 - **DECEL/SET** button - Make sure the CRUISE CONTROL indicator comes on, and make sure the cruise control sets and holds a steady speed. Check the deceleration operation by pressing and holding the DECEL/SET button.
 - **RES/ACCEL** button - Tap the brake to cancel a set speed, and allow the vehicle to slow down. Press the RES/ACCEL button to resume speed. Then check the acceleration operation by pressing and holding the RES/ACCEL button.
 - **CANCEL** button - Make sure the set cruise control speed cancels when you press the CANCEL button or the brake pedal, or when you push in the clutch pedal, if applicable.

Noise, Vibration, and Harshness (NVH)

30. During the road test, listen and feel for harshness. Harshness is an uncharacteristic, unpleasant, or uncomfortable feel or sound when driving the vehicle. Harshness is often caused by overinflated tires.
31. Listen for abnormal suspension noise when driving through dips, over bumps, and when entering and exiting driveways.
32. Check for abnormal squeaks and rattles when driving on rough or bumpy roads.
33. Check for abnormal wind noise at highway cruising speeds.
34. Make sure there is no abnormal drivetrain noise or vibration at idle, when accelerating, and at cruising speeds.
35. Check for chassis vibration or shimmy when accelerating, at highway cruising speeds, and when braking.

Concluding the Road Test

36. When you conclude the road test, shift the transmission into P (if equipped with an automatic transmission), and make sure it engages without difficulty or abnormal noise.
37. Make sure that the door locks automatically unlock when you shift the transmission into P. If the vehicle is equipped with a manual transmission, make sure that the door locks automatically unlock when you turn the ignition switch to LOCK (0).
38. Turn off the engine, and wait for 3 minutes.
39. While the engine is still close to normal operating temperature, start the engine, and make sure it starts normally.

NOTE: This makes sure the engine starts normally after it has been warmed up.
40. Make sure the MIL is off and there are no warning messages displayed.
41. Look under the vehicle. Make sure there are no leaks or strong odors, which may indicate a problem.

NOTE: You may see water dripping from condensation from the A/C system. This is normal.
42. Complete the repair order, and fill out the Service History booklet.
43. Park the vehicle with enough space around it so that all vehicle doors can be opened without contacting adjacent vehicles. This will help prevent dents, dings, or damage.

Final Inspection (At Vehicle Delivery)

44. Test the battery with the ED-18 battery tester using the instructions in Service Bulletin 88-023, *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 89-003, *Battery Maintenance at Dealers*), then recheck it.

Write down the **GOOD BATTERY** 10-digit code in the "Final Inspection (At Delivery)" section of the Service History booklet.