SAFETY COMPLIANCE TESTING FOR
FMVSS NO. 114
THEFT PROTECTION

HONDA MOTOR CO., LTD OF JAPAN
2009 HONDA FIT, PASSENGER CAR
NHTSA NO. C95302

GENERAL TESTING LABORATORIES, INC.
1623 LEEDSTOWN ROAD
COLONIAL BEACH, VIRGINIA 22443

MAY 1, 2009
FINAL REPORT
PREPARED FOR
U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
1200 NEW JERSEY AVE., SE
WASHINGTON, D.C. 20590
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Prepared By: Grant Farrand
Approved By: Alan Aylor
Approval Date: 05/01/09

FINAL REPORT ACCEPTANCE BY QVSC:
Accepted By: [Signature]
Acceptance Date: 5/1/09
Compliance tests were conducted on the subject 2009 Honda Fit 4-door passenger car in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-114-03-Draft for the determination of FMVSS 114 compliance.

Test failures identified were as follows:
None
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SECTION 1

PURPOSE OF COMPLIANCE TEST

1.0 PURPOSE OF TEST

A model year 2009 Honda Fit passenger car was subjected to Federal Motor Vehicle Safety Standard (FMVSS) No. 114 testing to determine if the vehicle was in compliance with the requirements of the standard. FMVSS 114 specifies requirements to decrease the likelihood that a vehicle is stolen, or accidentally set in motion.

1.1 The test vehicle was a 2009 Honda Fit Passenger Car. The vehicle was identified as follows:

A. Vehicle Identification Number: JHMGE87229S021972

B. NHTSA No.: C95302

C. Manufacturer: HONDA MOTOR CO., LTD OF JAPAN

D. Manufacture Date: 10/08

E. Color: Storm Silver Metallic

1.2 TEST DATE

The test vehicle was subjected to FMVSS No. 114 testing on April 7, 2009.
SECTION 2

TEST PROCEDURE AND SUMMARY OF RESULTS

2.0 TEST PROCEDURE

All tests were conducted in accordance with NHTSA, Office of Vehicle Safety Compliance (OVSC) Laboratory Procedure TP-114-03-Draft and General Testing Laboratories, Inc. (GTL) Test Procedure, TP-114-03-Draft, “Theft Protection and Rollaway Prevention”.

2.1 SUMMARY OF RESULTS

Test data indicate the FMVSS 114 requirements appear to have been satisfied. All test data resulting from the tests were recorded on test data sheets in Section 3.
SECTION 3

TEST DATA

3.0 TEST RESULTS

The following data sheets document the results of FMVSS 114 testing on the 2009 Honda Fit.
FMVSS 114, THEFT PROTECTION
DATA SHEET 1 – VEHICLE IDENTIFICATION

TEST DATE: 04/07/09 LAB.: General Testing Laboratories
CONTRACT: DTNH22-06-C-00032 VEH. NHTSA NO.: C95302
VIN: JHMGE87229S021972 BUILD DATE: 10/08

MY/MAKE/MODEL/BODY STYLE: 2009 Honda Fit

TRANSMISSION TYPE:
Automatic _____; Manual X; Other ___ (describe: ______________________)

DRIVE TRAIN TYPE:
Front Wheel X; Rear Wheel _____; 4-Wheel

FUEL TANK LEVEL: 100 (%) OF max.) MILEAGE: 335

VEHICLE STARTING SYSTEM:
Location of the starting system:
On Right Side of Steering Column

Selectable settings:
Lock/Off, Accessory, On/Run, Start

Explain how the system is activated:
Push key in hole and turn clockwise

KEY

Description of the key:
Normal traditional metal key

STARTING SYSTEM ACTIVATION
Describe how the key is inserted into the starting system:
Align key with slot and push in

Describe how the key is used to activate the starting system:
Turn clockwise

Describe how the key is removed from the starting system:
Pull key out of slot
GEAR SELECTION CONTROL

Describe the gear selection control:
5 speed manual stick shift

Describe how the gear selection control is activated:
Push in clutch and move shift stick in an "H" pattern

Describe all of the selectable settings:
1st, 2nd, 3rd, 4th, 5th, Neutral, Reverse

IMMOBILIZER

Is the vehicle equipped with an immobilizer YES X NO

Describe the immobilizer device and how it prevents vehicle theft (if equipped):
Electrical circuit built into key which activates the immobilizer system which
turns off the engine fuel system.

OPTIONAL RELEASE DEVICES

Describe if the vehicle is equipped with optional release devices:
N/A

OPTIONAL RELEASE DEVICES:
Key Removal_____ Gear Selection Control____ None X Other_____

VEHICLE FLUIDS

Check all vehicle fluids and adjust to the proper levels for operation: Full

VEHICLE TIRE PLACARD INFORMATION

Vehicle Mfg. Recommended Tire Inflation Pressure (kPa): Front 220 Rear 220

TIRE INFLATION PRESSURES:
Measured (kPa): LF 220 LR 220 RF 220 RR 220

WEIGHT

Vehicle Curb Weight(kg): 1122 Weight of Driver (kg): 91 (target = 91kg)
**FMVSS 114, THEFT PROTECTION**

**DATA SHEET 2**

**VEH. NHTSA NO.:** C95302  
**TEST DATE:** 04/07/09

---

### REQUIREMENT S5.1.1

<table>
<thead>
<tr>
<th>Engine cannot be started without using the key</th>
<th>PASS</th>
<th>FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes: X  No: ____</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

With key removed, steering wheel locks:

Yes: X  No: ____

Identify locking position(s) on wheel using arrow(s)

Clockwise: 100 (degrees)  
Counterclockwise: 290 (degrees)

Key removal prevents forward self-mobility:

Yes: X  No: ____

If yes describe: Engine must be off to remove key, shift lever locks in park position.

When key is removed from the starting system, starting of the engine or motor and either steering or self mobility is prevented.  
YES  
X

---

**REMARKS:**

---
**REQUIREMENT S5.1.3**

<table>
<thead>
<tr>
<th>PASS</th>
<th>FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

An audible warning is activated whenever the key is in any starting system position with the exception of “on” and “start” and the door closest to the driver’s designated seating position is opened.

Yes [X] No [______]

Identify ALL key/starting system position setting:
Lock/Off, Accessory, On/Run, Start

**REMARKS:**

RECORDED BY: [G. Farrand] 
DATE: [04/07/09]

APPROVED BY: [D. Messick]
FMVSS 114, ROLLAWAY PREVENTION
DATA SHEET 3
(for vehicles equipped with transmission with a “park” position)

VEH. NHTSA NO.: C95302
TEST DATE: 04/07/09

REQUIREMENT S4.2.1(a)(2)

<table>
<thead>
<tr>
<th>The starting system prevents key removal in ALL gear selection control positions except “park”.</th>
<th>PASS</th>
<th>FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

Can the gear selection control be placed between each gear selection position and will it remain there without assistance?

| Yes | No | |

If yes, can the key be removed from the starting system?

| Yes | No | |

If the key can be removed from the vehicle starting system when the gear selection control is not locked in “park”, a mechanism shall exist which, upon key removal, the vehicle transmission or gear selection control shall become locked in “park” as the direct result of removing the key. If such a mechanism exists, describe the mechanism and its function:

N/A*

REQUIREMENT S5.2.2

<table>
<thead>
<tr>
<th>The gear selection control is locked in the “park” position when the key is removed from the starting system.</th>
<th>PASS</th>
<th>FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>N/A*</td>
</tr>
</tbody>
</table>

REMARKS: *MANUAL TRANSMISSION
**DATA SHEET 3 continued**

<table>
<thead>
<tr>
<th>REQUIREMENT S5.2.3</th>
<th>PASS</th>
<th>FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECTRICAL FAILURE (Battery Discharge)</td>
<td>N/A*</td>
<td></td>
</tr>
<tr>
<td>In the event of an electrical failure, key removal from the starting system when the transmission or gear selection control is not locked in “park” is permitted. Yes______  No______</td>
<td>N/A*</td>
<td></td>
</tr>
<tr>
<td>The vehicle is equipped with an override device that permits key removal from the starting system when the transmission or gear selection control is not locked in “park”. Yes______  No______</td>
<td>N/A*</td>
<td></td>
</tr>
<tr>
<td>If yes, select the type of override device equipped: Opaque Cover_______  No Cover___________</td>
<td>N/A*</td>
<td></td>
</tr>
<tr>
<td>Describe the override device design and mode of activation (if equipped):</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FILL IN THE SECTION BELOW THAT APPLIES:**

**OVERIDE WITH AN OPAQUE COVER:**

The opaque surface cover prevents sight of and use of override device. Yes_____ No______

The opaque surface cover can only be removed by using a screwdriver or other tool. Yes_____ No______

As a direct result of removing the key from starting system, the following is prevented: Steering______ or Self-Mobility______

**OVERID WITH NO COVER**

The override device requires the use of a tool to activate. Yes_____ No______

Simultaneous activation of the override device and removal of key from starting system is required. Yes_____ No______

As a direct result of removing the key from the starting system, the following is prevented: Steering______ or Self-Mobility______

**REMARKS: **MANUAL TRANSMISSION
<table>
<thead>
<tr>
<th>REQUIREMENT S5.2.4</th>
<th>PASS</th>
<th>FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEAR SELECTION CONTROL OVERRIDE DEVICE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The vehicle is equipped with an override device that allows the user to move the gear selection control from “park” after the key has been removed from the starting system.</td>
<td>Yes ☐  No ☒</td>
<td></td>
</tr>
<tr>
<td>If yes, select the type of override device that is equipped: Override operated with a:</td>
<td>Override operated</td>
<td>N/A</td>
</tr>
<tr>
<td>Key ☐  Opaque Cover ☐  No Cover ☒</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Describe the override device design and mode of activation (if equipped):</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FILL IN THE SECTION BELOW THAT APPLIES:**

**OVERDELETE OPERATED WITH KEY:**

The key is required to operate the override device that allows the user to move the gear selection control from “park” after the key has been removed from the starting system.

Yes ☐  No ☒

**OVERDELETE WITH AN OPAQUE COVER**

The opaque surface cover prevents sight of and use of override device.

Yes ☐  No ☒

The opaque surface cover can only be removed by using a screwdriver or other tool.

Yes ☐  No ☒

As a direct result of removing the key from the starting system, the following is prevented:

Steering ☐  or Self-Mobility ☐

**OVERDELETE WITH NO COVER**

The override device requires the use of a tool to operate.

Yes ☐  No ☒

Simultaneous activation of the override device and removal of key from starting system is required.

Yes ☐  No ☒

As a direct result of removing the key from the starting system, the following is prevented:

Steering ☐  or Self-Mobility ☐

**REMARKS:**
### REQUIREMENTS S5.2.5

<table>
<thead>
<tr>
<th>VEHICLE FACING UPHILL ON 10% GRADE</th>
<th>PASS</th>
<th>FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>With the gear selection control in “park” measure movement of the vehicle down the slope upon releasing the service brake.</td>
<td></td>
<td>N/A*</td>
</tr>
<tr>
<td>Test grade: 11 % (9% to 15%)</td>
<td></td>
<td>see note</td>
</tr>
<tr>
<td>Measured movement: 58 mm (150mm maximum)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Repeat procedure if vehicle fails on grade in excess of 10%.

<table>
<thead>
<tr>
<th>VEHICLE FACING DOWNHILL ON 10% GRADE</th>
<th>PASS</th>
<th>FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>With the gear selection control in “park” measure movement of the vehicle down the slope upon releasing the service brake.</td>
<td></td>
<td>N/A*</td>
</tr>
<tr>
<td>Test grade: 11 % (9% to 15%)</td>
<td></td>
<td>see note</td>
</tr>
<tr>
<td>Measured movement: 64 mm (150mm maximum)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Repeat procedure if vehicle fails on grade in excess of 10%.

| Test grade: 11 % (9% to 10%) | Measured movement: 64 mm (150 mm maximum) |

**REMARKS:** *MANUAL TRANSMISSION*
### REQUIREMENTS S5.3

<table>
<thead>
<tr>
<th>VEHICLE FACING UPHILL ON 10% GRADE</th>
<th>PASS</th>
<th>FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>With the key in the “off” position, the transmission will shift out of “park” without the service brake being applied. Yes______ No______</td>
<td>N/A*</td>
<td></td>
</tr>
<tr>
<td>With the key in the “acc” position, the transmission will shift out of “park” without the service brake being applied. Yes______ No______</td>
<td>N/A*</td>
<td></td>
</tr>
<tr>
<td>With the key in the “on” position (engine off), the transmission will shift out of “park” without the service brake being applied. Yes______ No______</td>
<td>N/A*</td>
<td></td>
</tr>
<tr>
<td>With the key in the “start” position, the transmission will shift out of “park” without the service brake being applied. Yes______ No______</td>
<td>N/A*</td>
<td></td>
</tr>
<tr>
<td>With the key in the “other” position (please specify), the transmission will shift out of “park” without the service brake being applied. Yes______ No______</td>
<td>N/A*</td>
<td></td>
</tr>
<tr>
<td>Does the key stay between starting system positions without being held by operator? Yes______ No______</td>
<td>N/A*</td>
<td></td>
</tr>
</tbody>
</table>

If so, please describe.

Brake force readings (force required to allow the transmission to shift out of “park”):

<table>
<thead>
<tr>
<th>Reading 1</th>
<th>Reading 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading 2</td>
<td>Reading 2</td>
</tr>
<tr>
<td>Reading 3</td>
<td>Reading 3</td>
</tr>
<tr>
<td>Reading 4</td>
<td>Reading 4</td>
</tr>
<tr>
<td>Reading 5</td>
<td>Reading 5</td>
</tr>
<tr>
<td>Avg.</td>
<td>Avg.</td>
</tr>
</tbody>
</table>

Avg. ______

REMARKS: *MANUAL TRANSMISSION

RECORDED BY: G. Farrand  DATE: 04/07/09
APPROVED BY: D. Messick
### SECTION 4
#### TEST EQUIPMENT LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>MFR</th>
<th>MODEL</th>
<th>S/N</th>
<th>CAL. PERIOD</th>
<th>DATE OF NEXT CALIB.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLR DIGITAL CAMERA</td>
<td>NIKON</td>
<td>D50</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>TIRE PRESSURE GAUGE</td>
<td>WESKLER</td>
<td>45-0/100</td>
<td>107</td>
<td>12 MO.</td>
<td>03/10</td>
<td></td>
</tr>
<tr>
<td>INCLINOMETER</td>
<td>MITUTOYO</td>
<td>PRO 360</td>
<td>950-315</td>
<td>N/A</td>
<td>BEFORE USE</td>
<td></td>
</tr>
<tr>
<td>STEEL TAPE</td>
<td>STANLEY</td>
<td>FAT MAX</td>
<td>33-890</td>
<td>12 MO.</td>
<td>03/10</td>
<td></td>
</tr>
<tr>
<td>WHEEL SCALES</td>
<td>INTERCOMP</td>
<td>SERIES 94</td>
<td>199744</td>
<td>12 MO.</td>
<td>04/10</td>
<td></td>
</tr>
<tr>
<td>WHEEL SCALES</td>
<td>INTERCOMP</td>
<td>SERIES 94</td>
<td>199744</td>
<td>12 MO.</td>
<td>04/10</td>
<td></td>
</tr>
<tr>
<td>WHEEL SCALES</td>
<td>INTERCOMP</td>
<td>SERIES 94</td>
<td>199744</td>
<td>12 MO.</td>
<td>04/10</td>
<td></td>
</tr>
<tr>
<td>WHEEL SCALES</td>
<td>INTERCOMP</td>
<td>SERIES 94</td>
<td>199744</td>
<td>12 MO.</td>
<td>04/10</td>
<td></td>
</tr>
<tr>
<td>WHEEL SCALES</td>
<td>INTERCOMP</td>
<td>SERIES 94</td>
<td>199744</td>
<td>12 MO.</td>
<td>04/10</td>
<td></td>
</tr>
<tr>
<td>SPRING SCALE</td>
<td>CHATILLON</td>
<td>DPP-10</td>
<td>4729</td>
<td>12 MO.</td>
<td>04/10</td>
<td></td>
</tr>
</tbody>
</table>
SECTION 5
PHOTOGRAPHS
2009 HONDA FIT
NHTSA NO. C95302
FMVSS NO. 114

FIGURE 5.1
¾ FRONTAL VIEW FROM LEFT SIDE OF VEHICLE
MFD. IN JAPAN BY HONDA MOTOR CO., LTD; 10/’08
GVWR 3512LBS  GAWR F 1921LBS  R 1619LBS
GVWR 1594KG  GAWR F 872 KG  R 735 KG
THIS VEHICLE CONFORMS TO ALL APPLICABLE
FEDERAL MOTOR VEHICLE SAFETY, BUMPER,
AND THEFT PREVENTION STANDARDS IN EFFECT
ON THE DATE OF MANUFACTURE SHOWN ABOVE.
V.I.N.: JHMGE87229S021972  TYPE: PASSENGER CAR

TK6 9 AA0 -NH642M -B -S

2009 HONDA FIT
NHTSA NO. C95302
FMVSS NO. 114

FIGURE 5.2
VEHICLE CERTIFICATION LABEL
<table>
<thead>
<tr>
<th>TIRE</th>
<th>SIZE</th>
<th>COLD TIRE PRESSURE</th>
<th>SEE OWNER’S MANUAL FOR ADDITIONAL INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT</td>
<td>175/65R15 84S</td>
<td>220KPA, 32PSI</td>
<td></td>
</tr>
<tr>
<td>REAR</td>
<td></td>
<td>220KPA, 32PSI</td>
<td></td>
</tr>
<tr>
<td>SPARE</td>
<td>T125/70D15 95M</td>
<td>420KPA, 60PSI</td>
<td></td>
</tr>
</tbody>
</table>

The combined weight of occupants and cargo should never exceed 385kg or 850lbs.