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Prepared By

Approved By

Date: 10/01/09

Report Accepted By:

Contract Technical Manager, Office of Vehicle Safety Compliance

10/9/09

Date
**TECHNICAL REPORT STANDARD TITLE PAGE**

<p>| | | |</p>
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<tbody>
<tr>
<td>1.</td>
<td><strong>Report No.</strong></td>
<td>500-TRC-09-001</td>
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<td>2.</td>
<td><strong>Government Accession No.</strong></td>
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<td><strong>Recipient's Catalog No.</strong></td>
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<tr>
<td>4.</td>
<td><strong>Title and Subtitle</strong></td>
<td>Final report of FMVSS 500 Compliance Testing of 2009 Wildfire WF-120V, NHTSA No. C91003</td>
</tr>
<tr>
<td>5.</td>
<td><strong>Report Date</strong></td>
<td>September 2009</td>
</tr>
<tr>
<td>6.</td>
<td><strong>Performing Organization Code</strong></td>
<td>TRC 20060110-9500</td>
</tr>
</tbody>
</table>
| 7. | **Author(s)** | Alan Ida, Project Engineer  
Randy Landes, Engineering Technician |
| 8. | **Performing Organization Report No.** | 500-TRC-09-001 |
| 9. | **Performing Organization Name and Address** | Transportation Research Center Inc.  
10820 State Route 347  
East Liberty, OH 43319 |
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West Wing 4th Floor  
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July 7, 2009 to July 15, 2009 |
| 14. | **Sponsoring Agency Code** | NVS-221 |
| 15. | **Supplementary Notes** |   |
| 16. | **Abstract** | Compliance tests were conducted on the subject 2009 Wildfire WF-120V in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-500-02 for the determination of FMVSS 500 compliance. Test failures identified were as follows:  
S5.b.8 – Conformance to Sec. 571.205 of this part, FMVSS 205, Windshield glazing materials: Windshield is labeled to conform to AS-2, not AS-1 or AS-4 as specified. |
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Safety Engineering  
FMVSS 500 |
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Fax No.: (202) 493-2833 |
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Prepared By

Approved By

Date: 10/10/09

Report Accepted By:

Contract Technical Manager, Office of Vehicle Safety Compliance

10/9/09

Date
1.0 PURPOSE OF COMPLIANCE TEST

Tests were conducted on a 2009 Wildfire WF-120V, 2-dr. hatchback, LSV, manufactured by Chongqing Hi-Bird Motorcycle Industry Co., Ltd. and imported by Wildfire Motors to determine compliance with FMVSS 500 "Low Speed Vehicles."

All tests were conducted in accordance with the U.S. DOT, NHTSA Laboratory Procedure TP-500-02 and/or the corresponding Transportation Research Center Inc. (TRC Inc.) test procedure, which was submitted to NHTSA for their approval. The test procedure was clearly described in the submitted document and has not been repeated in this report.

All stops were performed manually.

TRC Inc. personnel using the following TRC facilities conducted all tests:

- Skid Pad
- Speed Test

Average PFC during the test period was 0.92 (Skid Pad) utilizing the ASTM E1337 w/E1336 tire method.

The test vehicle does not meet all of the requirements of FMVSS 500. The Test vehicle does not comply with the S5(B) requirement that the windshield conform to the Federal Motor Vehicle Safety Standard on Glazing Materials 571.205. Standard 571.205 requires that low speed vehicles meet the ANSI/SAE Z26.1-1996 specifications for either AS-1 or AS-4 glazing. The glazing on this vehicle is marked as AS2 or A3.
2.0 FMVSS 500 – LSV INFORMATION AND TEST DATA SUMMARY

<table>
<thead>
<tr>
<th>Safety Equipment</th>
<th>Pass</th>
<th>Fail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Headlamps (S5(b)(1))</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Turn signal lamps, front and rear (S5(b)(2))</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Tail lamps (S5(b)(3))</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Stop lamps (S5(b)(4))</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Reflex reflectors, one red on each side, one on rear (S5(b)(5))</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Driver’s side exterior mirror or interior mirror (S5(b)(6))</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Passenger’s side exterior mirror or interior mirror(S5(b)(8))</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Parking brake (S5(b)(7))</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Windshield, AS-1 or AS-4 composition (S5(b)(8))</td>
<td></td>
<td>X*</td>
</tr>
<tr>
<td>Vehicle Identification Number [VIN] (S5(b)(9))</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Seat belt assemblies – Type 1 or 2 (S5(b)(10))</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Certification label (Part 567)</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vehicle Loading</th>
<th>Pass</th>
<th>Fail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certification Label GVWR &lt; 1,361 kg.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>With Occupant Weight Added to UVW:</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>GVWR ≥ total measured vehicle weight.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GVWR ≥ measured axle weights.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>With Occupant, Cargo &amp; Luggage Weight Added to UVW:</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>GVWR ≥ total measured vehicle weight.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GVWR ≥ measured axle weights.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum Speed Test</th>
<th>Pass</th>
<th>Fail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Speed (S5(a)): 31.1 km/hr (more than 32 km/hr and not more than 40 km/hr)</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

Comments: *Windshield labeling does not comply.
3.0 FMVSS 500 – DATA SHEET 1 (Sheet 1 of 3)

VISUAL INSPECTION

VEHICLE MAKE/MODEL/YEAR: Wildfire/WF-120V/2009

TEST/INSPECTION DATE: 07/07/09 VEHICLE ODO: 36 mi.

NHTSA No.: C91003

Headlamps: [Requirement: Must be present.]

Method of Activation: Rotate two position switch on the end of a stalk at the left side of the steering wheel. Pull stalk toward driver for High-beams.

Function (Yes/No): Yes.

Turn Signals: [Requirement: Front and Rear must be present.]

Description (color and location): Front: Amber and immediately adjacent to the inside corner of the headlamps. Rear: Amber and at rear outer edges at approx. vehicle mid-height (middle lamp in a three lamp vertical array).

Method of Activation: Push up for right and pull down for left - stalk on left side of steering wheel.

Function (Yes/No): Yes. Self cancelling feature (Yes/No): Yes.

Tail Lamps: [Requirement: Must be present.]

Description (Lens color): Red.

Method of Activation: First and second position of the rotary switch on the stalk on the left side of steering wheel.

Function (Yes/No): Yes.

Stop Lamps: [Requirement: Must be present.]

Description (Lens color): Red.

Method of Activation: Application of the service brake.

Function (Yes/No): Yes.

Reflex Reflectors: [Requirement: One red on each side as far to the rear as practicable, and one red on the rear.]

Description (Color, material, shape): Sides: Red, round reflective lens, 55 mm diameter. Rear: Red, oval reflective lens surrounding back-up lamp, 99 x 81 mm outer diameter and 66 x 47 mm inner diameter.

Location: Sides: Rearmost edge of rear quarter panel at approximately mid-vehicle height. Rear: Outer edge of rear body at approximately mid-vehicle height.

Additional: Sides: Amber, round reflective lens, 55 mm located immediately in front of each door.
FMVSS 500 – DATA SHEET 1 (Sheet 2 of 3)

VISUAL INSPECTION

Mirrors: [Requirement: Exterior driver’s side mirror and either an exterior passenger side mirror or an interior mirror.]

Description (Flat or convex): Driver’s side: Convex, Passenger’s side: Convex. Interior: Flat.


Parking Brake: [Requirement: Must be present.]

Description (Type): Spring loaded lever acting on rear service brake pads.

Location: Activation control between front seats. Method of Activation and Release: Pull up/back on lever to activate and depress button on end of lever to release. Function (Yes/No): Yes.

Windshield: [Requirement: Must meet the ANSI/SAE Z26.1 – 1996 specifications for AS-1 or AS-4 glazing and be marked with "DOT", manufacturer, and "AS-1" or "AS-4". Conformance to FMVSS 205.]

*Labeling: YHL (within circle), CCC (within circle), Safety, M240 AS2, E000124 DOT 834, A 3 B (within circle). Additionally: A string of Chinese characters.

Vehicle Identification Number (VIN): [Requirement: A VIN that conforms to the requirements of Part 565 – Vehicle Identification Number including 17 digit alpha- numeric number.]

Location: Extreme left, bottom edge of windshield (on dash).

Seatbelt: [Requirement; Type 1 or Type 2 belts conforming to FMVSS 209.]

Type: Three point, Type 2 (by definition), Labeling: Meets FMVSS 209/302 Specs.

Labeling: Beam’s Industries Inc., OKC USA, WSCH324, #117364, June 2009. Location: A sewn onto tag, at each (lap) belt’s anchor point.

Certification Label: [Requirement: Complies with Part 567 Certification.]

Vehicle Type Identified on Label: Low-Speed Vehicle (NEV) Location: Affixed to the lower (side) portion of the driver’s side dash, between the driver’s door and dash (driver’s door must be open to visualize label).

Certification Statement (Yes/No):_________Yes.
Comments: None.

DATA INDICATES COMPLIANCE: YES:____  No:____X____

RECORDED BY:  R. Landes _______________________________  DATE: 08/12/09
APPROVED BY:  J. Sankey _______________________________  DATE: 08/14/09
FMVSS 500 – DATA SHEET 2 (Sheet 1 of 1)

VEHICLE LOADING

VEHICLE MAKE/MODEL/YEAR: Wildfire/WF-120V/2009

TEST/INSPECTION DATE: 07/07/09 – 07/14/09

VEHICLE ODO: 58 km

NHTSA No.: C91003

Information form vehicle certification label

GVWR: 1096 kg; 2417 lb, GAWR F: 650 kg; 1432 lb, GAWR R: 650 kg; 1432 lb

Number of seat belt assemblies = designated seating capacity (DSC): 2

Vehicle weight measurements:

Unloaded Vehicle Weight: Vehicle 791.6 kg or sum (front + rear) NA kg

Front 369.6 kg, Rear 422.0 kg

Includes maximum capacity of fluids necessary for operation of the vehicle; state fluids and amounts added, if any: NA

Vehicle plus occupants weight = DSC 2 x 68 kg = 136 kg

Vehicle 927.4 kg or sum (front = rear) NA kg, Front 431.4 kg, Rear 496.0 kg

Cargo and Luggage Weight (if specified) = NA kg – occupant weight NA kg = NA kg

Source: ( ) label on vehicle, ( ) owner’s manual, ( ) other: None specified.

Recommended location (if specified): NA

Source: ( ) label on vehicle, ( ) owner’s manual, ( ) other: None specified.

Vehicle plus occupants, cargo and luggage weight = Vehicle 748.6 kg or sum (front + rear) NA kg, Front 379.6 kg, Rear 369.0 kg

Contact COTR if any vehicle weight (or sum of axle weights) exceeds GVWR or if a front or rear axle load exceeds a GAWR.

If no cargo and luggage weight or vehicle capacity weight is specified, then calculate the following:

Cargo and luggage weight = GVWR 1096 kg – vehicle plus occupants weight 136 kg (from above) = 960 kg.

Comments: No cargo/luggage values specified by manufacturer.

DATA INDICATES COMPLIANCE: YES: X No:_______

RECORDED BY: D. Bevis DATE: 07/14/09

APPROVED BY: R. Landes DATE: 08/12/09
FMVSS 500 – DATA SHEET 3 (Sheet 1 of 1)

VEHICLE LOADING

VEHICLE MAKE/MODEL/YEAR: Wildfire/WF-120V/2009

TEST/INSPECTION DATE: 07/07/09 – 07/15/09 VEHICLE ODO: 61 km
NHTSA No.: C91003

Unloaded Vehicle Weight (UVW):
- LF Wheel 179.6 kg
- RF Wheel 190.0 kg
- Front Axle 369.6 kg
- LR Wheel 225.0 kg
- RR Wheel 197.0 kg
- Rear Axle 422.0 kg

Weight of Driver, Instrumentation and Required Ballast: 79.2 kg (78 – 90 kg)

Vehicle Test Weight (UVW = weight of driver instrumentation and required ballast):
- LF Wheel 206.0 kg
- RF Wheel 194.0 kg
- Front Axle 400.0 kg
- LR Wheel 255.1 kg
- RR Wheel 215.7 kg
- Rear Axle 470.8 kg
- Total Vehicle 870.8 kg

Actual Tire Inflation Pressure: LF 303 kPa, RF 303 kPa, LR 303 kPa, RR 303 kPa

Maximum Tire Inflation Pressure from Tire Sidewall: Front 303 kPa, Rear 303 kPa

Vehicle Break-in Agenda Specified by Vehicle Manufacturer: ( ) Yes, (X) No.

If Yes, Describe: NA

Data Acquisition System, Field Calibration “Distance” – Pre Test

<table>
<thead>
<tr>
<th>Check No. 1 (meters)</th>
<th>Check No. 2 (meters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Known Distance: 1000</td>
<td>1000</td>
</tr>
<tr>
<td>Measure Distance&quot;</td>
<td></td>
</tr>
<tr>
<td>[Allowed Tolerance ± 2 meters]</td>
<td>1001</td>
</tr>
<tr>
<td>South</td>
<td>North</td>
</tr>
</tbody>
</table>

Vehicle Conditioning: Start Time 13:45 End Time 8:25 Duration 18.5 hr. (3 hr. min.)
Start Temp 23.8°C End Temp 17.7°C
Vehicle conditioned within 5°C of ambient: (X) Yes, ( ) No

Propulsion Batteries Fully Charged: (X) Yes, ( ) No

Comments: Vehicle Conditioning occurred during the p.m. of 07/14/09 through the a.m. of 07/15/09.

DATA INDICATES COMPLIANCE: YES: X No:_______

RECORDED BY: D. Bevis DATE: 07/15/09
APPROVED BY: R. Landes DATE: 08/12/09
FMVSS 500 – DATA SHEET 4 (Sheet 1 of 2)

SPEED TEST

VEHICLE MAKE/MODEL/YEAR: Wildfire/WF-120V/2009

TEST/INSPECTION DATE: 07/15/09 VEHICLE ODO: 65 km

NHTSA No.: C91003

Conditioning Temperature Range (see Data Sheet 3): 23.8°C to 17.7°C

Ambient Temperature: Pass 1 18.3°C, delta -0.6°C Pass 2 18.3°C, delta -0.6°C (delta = Conditioning Temperature minus Ambient Temperature)

Maximum Wind Speed: Pass 1 2.4 m/s Pass 2 2.6 m/s

Description of Vehicle Openings: All potential vehicle openings were closed.

Vehicle Odometer and/or Hour Meter reading: 65 to 68 km

Start Time: Pass 1 8:48 Pass 2 8:57

End Time: Pass 1 8:52 Pass 2 9:01

*Vehicle Charge Level Meter, % (if applicable): Start: Pass 1 127V Pass 2 126V

End: Pass 1 127V Pass 2 126V

Measured Battery Voltage, “V” (if applicable): Test laboratory measured with voltmeter Start: Pass 1 38.8V Pass 2 38.1V

End: Pass 1 38.1V Pass 2 38.1V

<table>
<thead>
<tr>
<th>Maximum Vehicle Speed Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pass</td>
</tr>
<tr>
<td>-----------------------------</td>
</tr>
<tr>
<td>Pass #1 (1st 1.6 km)</td>
</tr>
<tr>
<td>Pass #2 (2nd 1.6 km)</td>
</tr>
</tbody>
</table>

NOTE: Vehicle speed and distances versus time data traces for each speed run are to be included in the final test report. See Appendix A.

Comments: Battery voltage was measured at the left side (output) battery, at the front of the test vehicle, under the hood.

*No charge level available – readings from on dash, digital display.

DATA INDICATES COMPLIANCE: YES: X No: 

RECORDED BY: D. Bevis DATE: 07/15/09

APPROVED BY: R. Landes DATE: 08/12/09
FMVSS 500 – DATA SHEET 4 (Sheet 2 of 2)

SPEED TEST – Post Test

VEHICLE MAKE/MODEL/YEAR: Wildfire/WF-120V/2009
TEST/INSPECTION DATE: 07/15/09 VEHICLE ODO: 72 km
NHTSA No.: C91003

Data Acquisition System, Field Calibration “Distance” – Post Test

<table>
<thead>
<tr>
<th>Known Distance:</th>
<th>Check No. 1 (meters)</th>
<th>Check No. 2 (meters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measure Distance” [Allowed Tolerance ± 2 meters]</td>
<td>1000.3 South</td>
<td>999.9 North</td>
</tr>
</tbody>
</table>

Data Acquisition System, Field Calibration “Time” – Post Test
[Traverse Known 1000 meter Distance at Constant Speed of 32 km/h (20 mi/h) ± 1.6 km/h (1 mi/h)]

<table>
<thead>
<tr>
<th>Known Time:</th>
<th>Check No. 1 (seconds)</th>
<th>Check No. 2 (seconds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measure Distance” [Allowed Tolerance ± 1 seconds]</td>
<td>112.01</td>
<td>112.22</td>
</tr>
</tbody>
</table>

Comments: None.

DATA INDICATES COMPLIANCE: YES: X No:

RECORDED BY: D. Bevis DATE: 07/15/09
APPROVED BY: R. Landes DATE: 08/12/09
4.0 NOTICE OF NONCOMPLIANCE

This vehicle (C91003) did not meet the compliance standards.
LABORATORY NOTICE OF TEST FAILURE TO OVSC

FMVSS No.: 500 - LOW-SPEED VEHICLES  DATE: 07/08/09

LABORATORY: TRC Inc.

CONTRACT NO.: DTNH22-06-C-00033  BASE/OPTION YEAR.: Option Year 1.

LAB. PROJECT ENGINEER'S NAME: Randy Landes

TEST VEHICLE DISCRITION - MY/MAKE/MODEL: 2009 Wildfire WF-120V

VEH. BODY STYLE: 2-Dr., Hatchback Coupe; BUILD DATE: July 2008

VEH. NHTSA NO.: C91003; VIN: LSRPECPJ29CWF0029

TEST FAILURE DESCRIPTION: Markings on the test vehicle's windshield, indicate the vehicle is compliant with AS-2, not AS-1 or AS-4 as required by the Standard.

FMVSS 500 REQUIREMENT, PARAGRAPH § S5 Requirements:

S5.(b).8 A windshield that conforms to the Federal motor vehicle safety standard on glazing material (49 CFR 571.205).

571.205 Standard No. 205, Glazing materials: S5 Requirements.
S5.1 Glazing material for use in motor vehicles must conform to ANSI/SAE Z26.1-1996 unless this standard provides otherwise.
S5.4 Low speed vehicles. Windshields of low speed vehicles must meet the ASNI/SAE Z26.-1996 specifications of ether AS-1 or AS-4 glazing.

NOTIFICATION TO NHTSA (COTR): Via Email

DATE: 08/07/09  BY: Derek Bevis

REMARKS: None.
5.0 PHOTOGRAPHS
IMPORTANT

1. Wear Belt At All Times
2. Adjust Belt Low and Snug
3. Clean With Soap & Water
   Do Not Bleach Or Redye
4. One Belt per Person
5. Inspect Belts Regularly
   REPLACE IF DAMAGED
6. Install Belt per SAE J800c and
   Vehicle manufacturer's Instructions.
   Reinforce Seat and Floor as needed.
   Installation NOT warranted by Beam's
   Meets FMVSS 209/302 Specs
6.0 TEST EQUIPMENT LIST AND CALIBRATION INFORMATION
## INSTRUMENT CALIBRATION (12 MONTH MAXIMUM INTERVAL)

**VEHICLE:** Wildfire/WF-120V/2009  
**NHTSA No.: C91003**  
**DATE:** 07/13/09

<table>
<thead>
<tr>
<th>Instrument Use &amp; Manufacturer</th>
<th>Model No.</th>
<th>Serial No.</th>
<th>Range &amp; Resolution</th>
<th>Accuracy</th>
<th>Calibration Date</th>
<th>Next Calibration</th>
<th>Calibrations: Manufacturer, Internal or Contractor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Velocity - Racelogic, LTD</td>
<td>VBOX III 100 Hz</td>
<td>030904</td>
<td>0.1 - 1609 km/h 0.01 km/h</td>
<td>0.1 km/h full scale</td>
<td>11/18/08</td>
<td>11/08/09</td>
<td>Manufacturer</td>
</tr>
<tr>
<td>Distance - Racelogic, LTD</td>
<td>VBOX III 100 Hz</td>
<td>030904</td>
<td>Range: NA 1 cm</td>
<td>0.05%</td>
<td>11/08/08</td>
<td>11/08/09</td>
<td>Manufacturer</td>
</tr>
<tr>
<td>Voltage – Fluke Corporation</td>
<td>77 III Multimeter</td>
<td>DMV-84640252</td>
<td>0 – 320 VDC</td>
<td>± 0.3 % + 1 digit</td>
<td>03/03/09</td>
<td>03/03/10</td>
<td>Internal</td>
</tr>
<tr>
<td>Temperature – Davis Instruments</td>
<td>6152 Wireless Vantage Pro ISS</td>
<td>050608N02</td>
<td>-40 °C to 60 °C, 1 °C</td>
<td>± 1 °C, between -40 °C – 43 °C</td>
<td>07/13/08</td>
<td>07/13/09</td>
<td>Manufacturer</td>
</tr>
<tr>
<td>Wind Speed – Davis Instruments</td>
<td>6410 Anemometer w/7903L “Large Wind Cups”</td>
<td>050608N22</td>
<td>3 to 241 km/h 1 km/h</td>
<td>3 km/h or 5% whichever greater</td>
<td>07/13/08</td>
<td>07/13/09</td>
<td>Manufacturer</td>
</tr>
<tr>
<td>Tire Pressure – WIKA Instrument Corporation</td>
<td>Type 233.53 Fluid Filled, Bourdon Tube Pressure Gauge, Stainless S.</td>
<td>TRC SN: AG-101</td>
<td>0 – 410 kPa 3 kPa</td>
<td>1% of Span</td>
<td>05/06/09</td>
<td>08/04/09</td>
<td>Internal</td>
</tr>
</tbody>
</table>
| Vehicle Mass – Mettler-Toledo | Four – #2158 Pads/Sensors  
One – JXGAA000000 Processor/Display | 11079361JC 11079461JC 11079471JC 11079381JC 522588315JC | 0 TO 1334 KG 0.2 KG | 0.1% of Applied Load | 05/05/09 | 08/09/09 | Contractor |
APPENDIX A

CONTRACTOR'S COMMENTS
PROCEDURE MODIFICATIONS
TEST FACILITY
The vehicle speed graphs from the digital acquisition system were inconsistent. Per the Standard’s Engineer’s direction, visual data was utilized for the “Maximum Vehicle Speed Data” readings. No graphs are included in this report.
APPENDIX B

TEST SPEED GRAPHS
No speed graphs are available for this report.
APPENDIX C

COPY OF MANUFACTURER’S STICKER
No manufacturer’s sticker (Moroney label) was provided with this (C91003) vehicle.
APPENDIX D

PERTINENT OWNER'S MANUAL PAGES
CAUTION - CAUTION - CAUTION - CAUTION - CAUTION - CAUTION

Drivers must comply with all federal, state, and local laws regarding electric vehicles. Be Alert. DO NOT operate this product under the influence of alcohol, drugs, other controlled substances or while receiving medical treatment. Always be sure all battery and wire connections are clean and tight. Read the instructions carefully until you understand how your vehicle operates. It is extremely important that you follow the safety guidelines contained in this manual in order to ensure maximum safety.

This vehicle is NOT intended for highway or freeway use.

**TOTAL ELECTRIC NEV (Neighborhood Electric Vehicle)**

<table>
<thead>
<tr>
<th>Electric Motor</th>
<th>120 Volt System</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8.5 KW AC Motor</td>
</tr>
<tr>
<td>Batteries</td>
<td>(10)12V 105amp/hour</td>
</tr>
<tr>
<td></td>
<td>Sealed Lead Acid Maintenance Free</td>
</tr>
<tr>
<td>Battery Charge</td>
<td>Up to 70 Miles</td>
</tr>
<tr>
<td>Maximum Passenger Load</td>
<td>440 lbs</td>
</tr>
<tr>
<td>Passenger Capacity</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Speed</td>
<td>25 mph</td>
</tr>
<tr>
<td>Tire Size</td>
<td>145/70-12’</td>
</tr>
<tr>
<td>L’ x W’ x H’</td>
<td>7’9” x 5” x 5”</td>
</tr>
<tr>
<td>Front to Back Wheel Base</td>
<td>67 inches</td>
</tr>
<tr>
<td>Rear Wheel Base</td>
<td>51 inches</td>
</tr>
<tr>
<td>Accessories</td>
<td>Keyless Entry</td>
</tr>
<tr>
<td></td>
<td>Power Windows</td>
</tr>
<tr>
<td></td>
<td>AM/FM Stereo (Select Vehicles)</td>
</tr>
<tr>
<td></td>
<td>CD Player (Select Vehicles)</td>
</tr>
<tr>
<td></td>
<td>MP3 Hook Up (Select Vehicles)</td>
</tr>
<tr>
<td></td>
<td>Security Alarm</td>
</tr>
<tr>
<td></td>
<td>Mag Wheels</td>
</tr>
</tbody>
</table>

*NOTE:* This vehicle has a maximum speed of 25 mph, if your state regulations are more or less, or if you are shipping it out of the country, please contact Wildfire Motors at 1-866-658-7300 for more information.

**Before Driving**

- Check the brakes and throttle pedal to be sure they work properly
- Check the tires and tire pressure

Please have your model number and the last 7 digits of your VIN# ready when you call for parts.

Have a problem - Need parts - Please call Toll Free (866) 658-7300 • Email: parts@wildfiremotors.com
Driving Safely

2 Passenger vehicle only.

There are 2 seat belts installed in your vehicle. It is unsafe and illegal to have more than one person in a single seat belt. It is very important that you and your passenger wear their seat belts at all times. Follow the same seat belt laws as you would with any other vehicle.

FOR YOUR SAFETY, ALWAYS BE AWARE OF YOUR VOLTAGE METER.

Maximum Passenger Load- 440 lbs.

Driving Conditions

Be aware of loose gravel, sand, or oily surfaces; these conditions will dramatically change the way in which your vehicle steers and brakes.

Be aware, changes in the road conditions may occur suddenly, make adjustments to your speed and braking distance accordingly. In an emergency braking situation, you may use the parking brake to assist you.