SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

PHOENIX INTERNATIONAL CORPORATION
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ELECTRICAL (EMC)

Valid to: June 30, 2012 Certificate Number: 3010.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Electromagnetic Compatibility (EMC) tests:

Test Technology	**Test Method(s)**
Emissions (Radiated)	IEC CISPR 25:2002, Section 6.4 (Under 30 MHz); IEC CISPR 25:2002, Section 6.4 (30 MHz to1 GHz); ISO 13766, Sections 5.6 and 5.7; European Commission Directive 2004/104/EC; ISO 14982, Sections 6.4 and 6.5; JDQ 53.3, Section 8.4
Emissions (Conducted)	IEC CISPR 25:2002, Sections 6.2 and 6.3; JDQ 53.3, Section 8.4
Susceptibility (Radiated)	SAE J1113-21 (30 MHz to1 GHz); ISO 14982, Section 6.6; ISO 11452-2; ISO 13766, Section 5.8; European Commission Directive 2004/104/EC Section 4.1; JDQ 53.3, Section 8.2
Susceptibility (Conducted)	SAE J1113-4 BCI ; ISO 14982, Section 6.6 ; ISO 11452-4 BCI ; ISO 13766, Section 5.8 ; European Commission Directive 2004/104/EC ; JDQ 53.3, Section 8.2
Conducted Susceptibility	ISO 7637-2 (Electrical Transient from Conduction); ISO 7637-3 (Electrical Transient from Coupling), Section 3.5.1 (CCC method) and section 3.5.3 (DCC method); ISO 7637-1, 2 (Electrical Transient from Conduction); JDQ 53.3, Sections 8.5, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5 Level 3, 9.2.6, 9.2.7, 9.2.8, 9.2.9 and 9.2.10; SAE J1455, Section 4.13.2

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Test Technology	**Test Method(s)**
Electrostatic Discharge	JDQ 53.3, Section 9.1.5; SAE J1455, Section 4.13.2.2.3
Steady State Electricals	JDQ 53.3, Sections 9.1.1, 9.1.2, 9.13 and 9.1.4; SAE J1455, Sections 4.13.1.1 and 4.13.1.2

On the following products or types of products: Electronic Controllers (Engines, Transmissions, Vehicle Electronics), Electronic displays (LCD Display Modules), Electronic Communication Gateways for Vehicles

The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

PHOENIX INTERNATIONAL CORPORATION

Fargo, ND

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 16th day of July 2010.

President & CEO
For the Accreditation Council
Certificate Number 3010.01
Valid to June 30, 2012

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.