

**mastertech<sup>®</sup>**  
**Kia**  
**1995-2000**  
**OEM APPLICATION**

**Operator's Manual**



**Vetronix Corporation**

*Powered by Vision • Driven by Technology*



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# 1. INTRODUCTION

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This manual describes the operation of the Kia Program Card. The Kia Program Card is used in conjunction with the Mastertech tester and Data Link Connector (DLC) cable to aid in diagnosing vehicle electronic systems. Please read the Mastertech Operator's Manual to familiarize yourself with the tester hardware before beginning any diagnostic test procedure.

The Kia Program Card contains the user interface and data display software that allows the tester to function as a serial data tester, digital voltage/frequency/duty cycle meter, or oscilloscope.

This program card also contains a Tech Toolbox which supports math functions (calculator, unit conversion, formula computation), clock functions (stop watch, count down timer) and shop functions (parts, labor and total estimates, technician earnings).

With the Kia Program Card installed, the Mastertech can be setup with a multi-function screen mode that displays diagnostic information using a split screen. The tester can simultaneously display Electronic Control Unit (ECU) diagnostic data parameters and meter-type measurements all on one screen. In addition, full screen displays are available for meter measurements, oscilloscope functions and enhanced diagnostic data parameter lists.

**NOTE**

Operation of the Kia software requires an OBD II compliant Mastertech.

## USING THE MASTERTECH TESTER OSCILLOSCOPE

The Mastertech is a hand-held tester that gives you the capability to measure many signals (with different characteristics) that are common on today's automobiles. In addition to reading serial data in the ScanTest Mode, the Digital Meter and Oscilloscope functions support measurement and display of common automotive analog and digital signals. The Oscilloscope capabilities include single or dual channel modes of operation; auto, normal, and single-shot trigger functions; hold mode for waveform interpretation; waveform zoom for detailed signal analysis; adjustable cursors to measure information that lies within the measured