



# **Twin Tec** *Installation Instructions for Vacuum Operated Switch Kit*

**CAUTION: CAREFULLY READ INSTRUCTIONS BEFORE PROCEEDING.**

## **OVERVIEW**

The Twin Tec P/N VOES-MC7 vacuum operated switch is and is 50 states street legal (ARB E.O. No. D-641-3) when used to replace the Harley-Davidson® original equipment (OE) VOES switch on 1984-99 1340cc Evolution®, 1986-2002 883cc XLH, 1986-87 1100cc XLH, and 1988-97 1200cc XLH Sportster® engines. The VOES-MC7 operates at a higher 6-7 In-Hg vacuum level versus the 3-4 In-Hg vacuum level of the typical OE VOES switch. The higher vacuum switching level reduces spark knock during throttle roll-on. For customer convenience in case some OE parts are missing or damaged, the Twin Tec VOES-MC7 is sold as a kit including the VOES switch, mounting bracket, and electrical terminals

## **INSTALLATION**

1. Turn off the ignition switch and disconnect the battery ground cable before proceeding.
2. For applications with Harley-Davidson OE ignition modules, simply replace the existing OE VOES switch with the new Twin Tec switch. Use the supplied crimp terminals to connect the new switch in place of the old switch. The wiring is not polarity sensitive and the two wires from the new switch can be interchanged.
3. For Twin Tec ignitions, refer to the installation instructions supplied with the ignition module for VOES switch hookup. Use the supplied crimp terminals to connect the new switch. The wiring is not polarity sensitive and the two wires from the new switch can be interchanged.
4. Reconnect the battery ground cable when you have completed the installation.