



# Operating Instructions and Safety Guide

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## CDI P/N: 453-6662 Timing Test Lead

This unit replaces P/N: 986662.

This unit is used to set ignition timing on the Delco EST ignition system.


1. Remove 4-wire connector from distributor, if attached. Install adapter plug, P/N 453-6662, into distributor and connect Black wire lead to a 12-volt engine power source.

2. Connect an 12-volt timing light to number 1 spark plug lead, and use the timing light following the manufacturer's instructions.

 Be careful not to puncture wire or boot as this would cause a high voltage leak. Make sure that spark plug wires are pushed all the way down into the distributor cap terminals and onto the spark plugs. Nipples must be firmly pushed over the terminals and boots over the spark plugs. **Failure to do so can result in ignition of fuel vapors in engine compartment or bilge, and may result in fire or explosion.**

3. Connect a tachometer to the engine following the manufacturer's instructions, and use it as they indicate.

4. Start engine and leave running until warmed up and choke valve is wide open.

 **Have someone at controls. Keep hands, hair and clothing away from rotating parts while making adjustments when engine is running.**

5. Adjust idle speed to specified in-gear RPM, then shift into NEUTRAL.

6. Direct beam of timing light onto timing grid. Loosen distributor clamp, then turn distributor slowly by hand until timing mark is aligned with **zero (0)** on the timing grid.

7. Recheck timing mark; reset if necessary. Tighten clamp bolt. Recheck idle speed and mixture adjustments.

8. Stop engine, remove adaptor plug and attach 4-wire connector.

9. Restart engine and run at 1000 RPM. Recheck timing; the engine is properly timed if the timing mark is at 15° BTDC.

Thank you for using CDI Electronics

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