



LS RACE IGNITION TECH TOOL 19355922

Tech Tool to validate LS Circle Track Ignition Controllers on Carbureted LS-Series Engines (Use with PN19355863 LS Circle Track Ignition Control)

Parts Included

LS Race Ignition Tech Tool

Quantity

1

Features

The 19355922 LS Race Ignition Tech Tool was designed for use by race sanctioning bodies.

The Tech Tool plugs directly into the diagnostic connector of the LS Circle Track Ignition Controller PN19355863.

The LS Race Ignition Tech Tool allows sanctioning bodies to verify compliance with the rules related to Ignition Timing, Maximum Engine Speed and Coil Type (if applicable).

Operational Summary

- The sanctioning body must designate a Master Unit (PN19355863 LS Circle Track Ignition Controller) to be utilized for validating the compliance of field units.
- The sanctioning body should identify the Master Unit with a "Regulated" sticker or suitable Identification Tag.
- MSDView software must be used to select and enter values for the "Regulated" parameters.
- The LS Race Ignition Tech Tool must be synchronized with the Master Unit via the Diagnostic Connector.

Master Unit Replacement / Synchronization

NOTE: Before replacing the Master Unit, the new Master Unit must be programmed according to the requirements of the sanctioning body. Checkboxes, associated with the desired Regulated Parameters, must be checked in the REGULATED tab of the MSDView software.

NOTE: The LS Race Ignition Tech Tool must be connected to the PN19355863 controller to operate.

1. Connect the Tech Tool to the Diagnostic Connector on the LS Circle Track Ignition Control.
2. Press "Down" once for the parameters within the Master Unit to be displayed.
3. Press "Right" to replace the Master Unit.
4. Press and hold "Up" for two seconds to confirm Master Unit replacement.
5. The message "MASTER REPLACED SUCCESSFULLY" will be displayed.



Figure 1 LS Race Ignition Tech Tool, PN 19355922

Verifying Compliance

To verify compliance, connect the LS Race Ignition Tech Tool to a PN19355863 Ignition Control unit and observe the screen color, as well as the readings on the screen. The screen will indicate whether the connected unit is a match, or a mismatch, to the master unit.

An example of a match indication on the display (Figure 2):

The background is **Green**

Top line: "V MATCH V"

Second line: Part number and software version

Third Line: Serial number

Actual regulated parameters from the PN19355863 Ignition Control are displayed

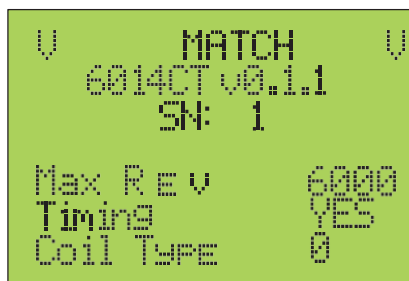


Figure 2 - Display Match Screen

An example of a mismatch indication on the display (Figure 3):

The background is **Red**

Top line: "XX MISMATCH XX"

Second line: Part number and software version

Third line: Serial number

Actual regulated parameters from the PN19355863 Ignition Control are displayed

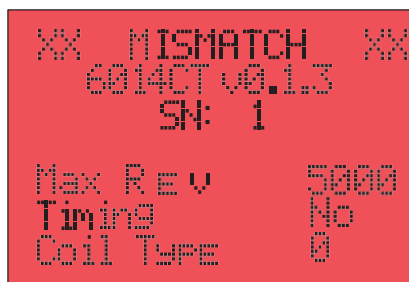


Figure 3 - Display Mismatch Screen

