

WHAT'S UNDER THE PAINT AND UPHOLSTERY?



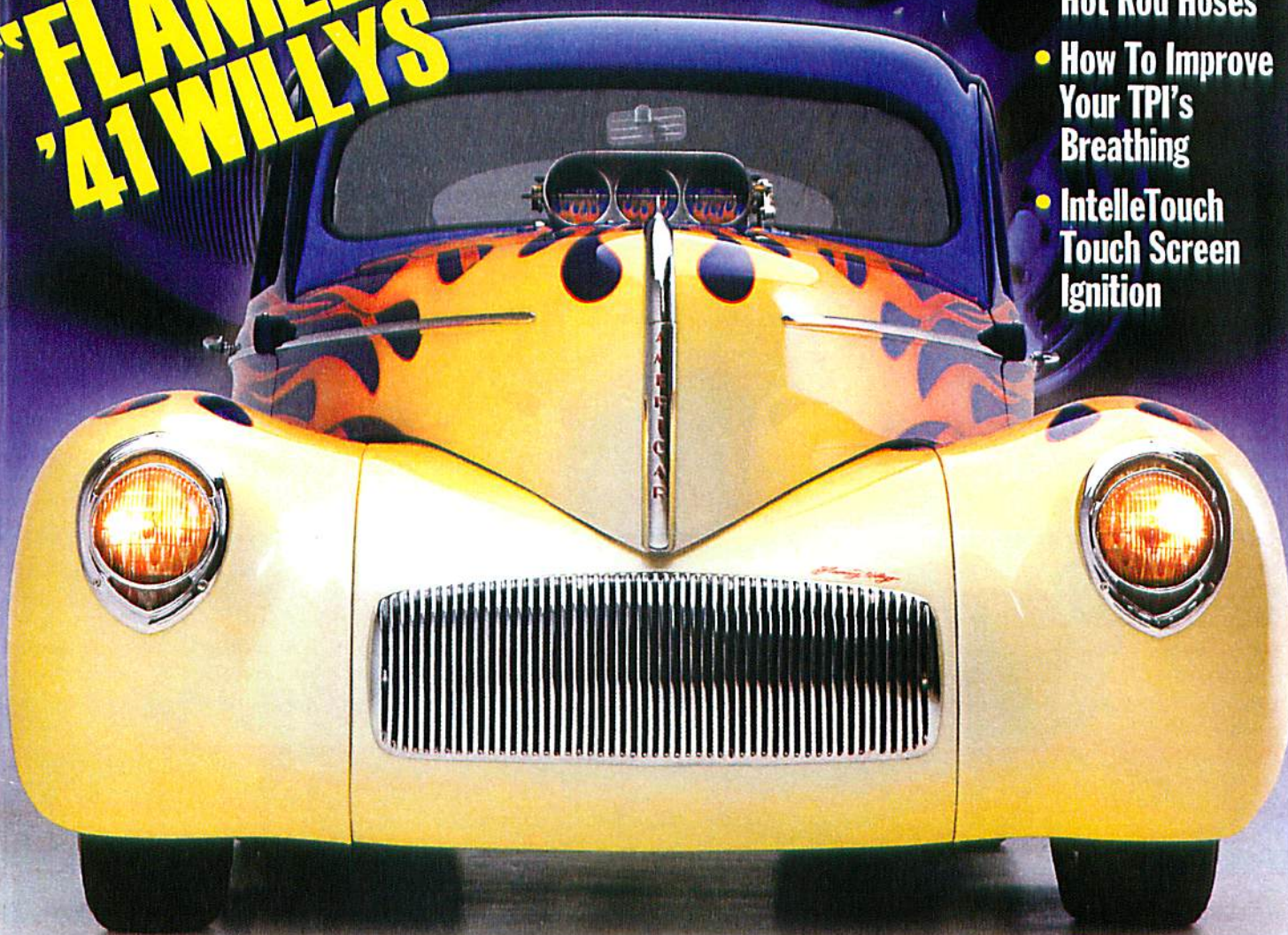
RODS

THE
WORLD
OF

THE KLINE'S
**'FLAMEBOYANT'
'41 WILLYS**

TECH:

- Affordable Hot Rod Hoses
- How To Improve Your TPI's Breathing
- Intellectouch Touch Screen Ignition



SPECIAL:
PROGRESS REPORT ON LIL' JOHN CLONE • READER SURVEY

EVENTS:
THE RODS OF NOSTALGIA NATIONALS • EL MIRAGE STILL SETTING SCTA RECORDS

FROM THE EDITORS OF MUSCLECAR POWER

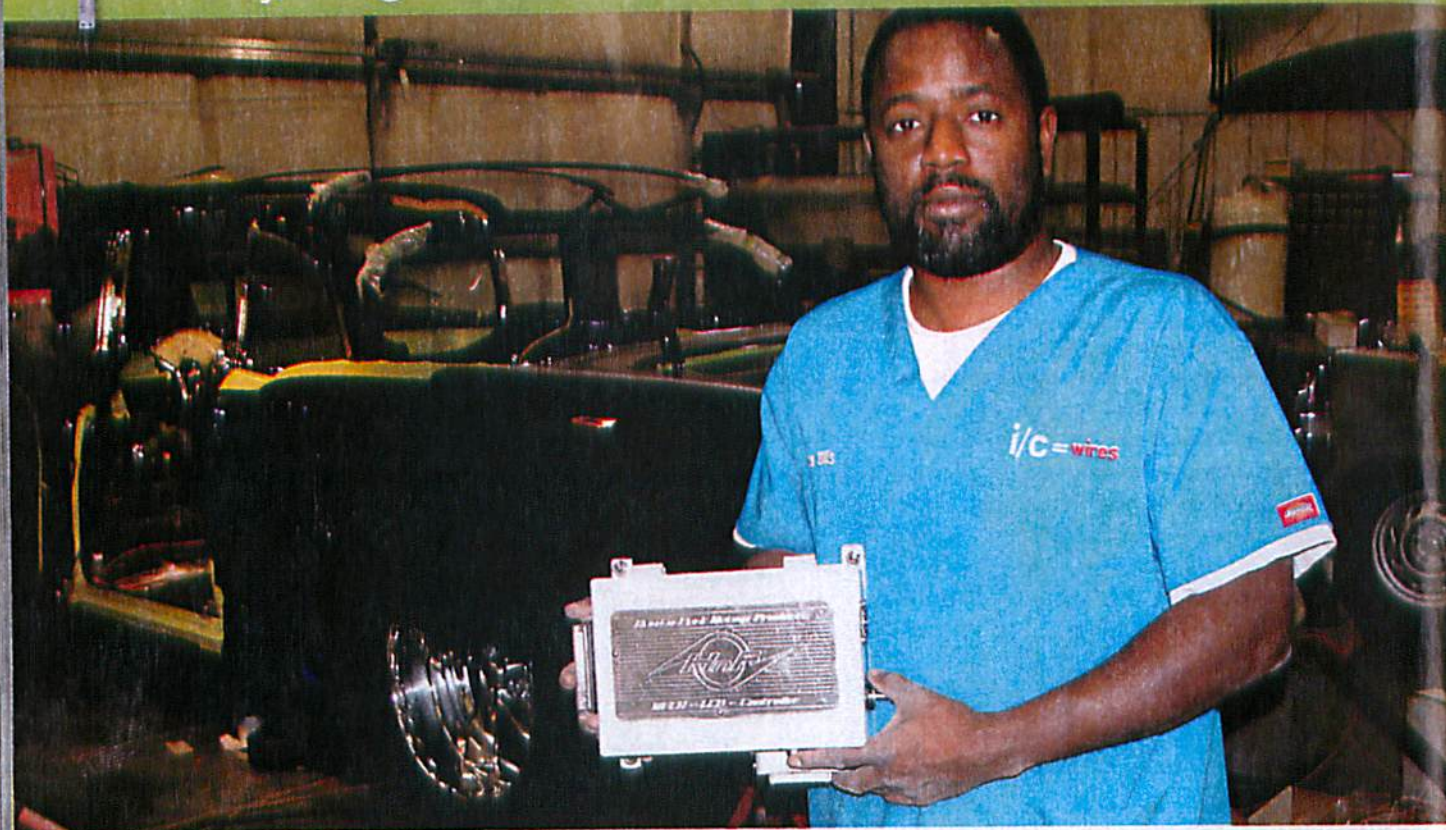


March 2009 • U.S. \$5.99

TECH:

INTELLETOUCH

No Key, No Ignition, No Switches, Total Control



BY JIM RHODES

We created the IntelleTouch systems initially for racing and recreational off-road applications. It was your single source system that not only could switch on and off devices, but also automate your vehicle and interoperate engine diagnostic information through the use of touch screen technology. We wanted to eliminate switches that can often fail over time due to wear and tear and Mother Nature. We quickly learned that we cleaned up switching consoles, fusing, wiring time, and considerable mess. This made it faster and easier for custom builders. Don't be fooled, the system is rugged.

The automation comes in when we meet with people like Joe Ellis who is interested in his own design that requires specific actions during certain situations. For example, some requirements are timers and temperatures necessary to control fuel pumps, electric cooling fans and electric water pumps that need to respond a particular way under certain vehicle or engine duress; or if a user wants the engine to kill after a signal is received indicating a broken fan belt or that the oil pressure is less than a particular level/pressure for more than a certain time. If the sensor is faulty, we also provide an override

switch, which allows further operation of a vehicle at the driver's discretion.

The IntelleTouch can also graph information, allowing a builder or driver to compare and analyze vital engine systems. For some of our off-road applications we monitor suspension travel, clearances from the ground and suspension travel. Pressure and temperature sensors read shock performance, giving the driver early detection of possible shock replacement prior to breakage. Other sensors can be installed for loose bolts. This also provides early detection prior to damage.

There are many gauge manufacturers that provide quality engine information, but when it comes to complete vehicle information and controllability, IntelleTouch has true control. Whether you're looking for gauges, ignition control, switches for lights and pumps, etc.; Intelletouch does it all through touch screen technology.


At this time we are working with our engineers to provide custom engine builders and vehicle owners the opportunity to critique their vehicle over the Internet. This provides a one on one relationship with the builder and owner of the vehicle to analyze real time diagnostics while they happen. If, for

TECH: INTELLETOUCH

instance, the owner needs the engine builder to kill the motor via the Internet, we can do that. Don't worry, no cable is necessary, this will be wireless.

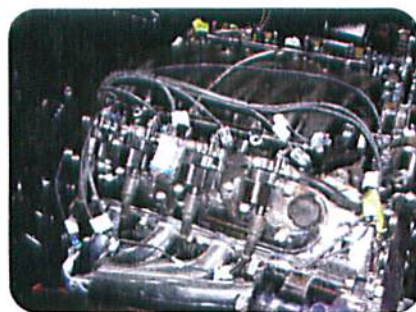
This system is truly changing the nature of the relationship between the vehicle information and the builder. Hard-n-Fast has teamed up with Joe Ellis to provide custom car owners the unique opportunity to have just about everything they need and more. Joe has proven this system can be of great benefit to custom car owners. One of our latest design requests by Joe was to provide him a complete airbag and an ignition system with security code access. He also wanted exhaust and outside and inside car temperatures. We provided all this using a 5.7-inch full color screen. Between Joe and Hard-n-Fast we can control and wire anything!

The IntelleTouch System

- Offers complete control and automation system through the use of a touch screen.
- Has a security code interface that eliminates theft.
- Touch screen ignition starts the car.
- Turns on fuel pump and all necessary requirements to run the vehicle.
- Controls electric cooling fans during certain conditions and temperatures (the fan symbol spins).
- Turns on head and running lights, wipers, stereo systems, and any other required load.
- Has onboard stopwatch and engine run time.
- Equipped with oil and engine maintenance reminders for the owner's benefit.
- Can be installed on street performance cars, off-road race and recreational vehicles, boats, and any other desired vehicles.
- A complete custom system that can also read all aspects of engine information.
- Currently working on a complete Web site for engine and diagnostics. We can literally turn on and off the vehicle via the Internet if a customer is interested in this agreement. 



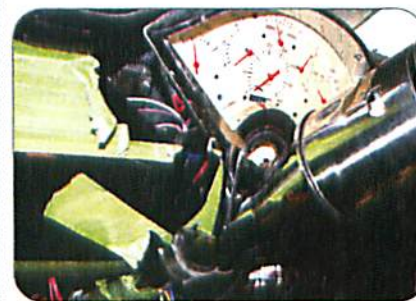
The unit is hidden from view behind the trunk side panel, but is easily accessed to prevent the typical under-dash nightmare.



This state-of-the-art '55 Chevy is intelligent and houses the 2008 Corvette LS7 EFI-equipped engine and 4160 transmission. This may be the most advanced '55 Chevy in the world.



Notice the engine compartment is free of any visible wires. The electronic controls pass through a loom that is hidden from view.



A Classic Industries electronic gauge panel (not analog) is being installed and wired to the IntelleTouch unit.



The Classic Industries electronic instrument controller is mounted in the driver's side kick panel to free up space under the dash.



No switches, buttons, levers, keyholes, or other visual distractions are on the steel dash panel. The dash surface is now the cleanest possible and functions even more reliably than ever.



Jim Griffin Interiors in Bend, Oregon, covered the interior panels in Cognac-colored leather. The console-mounted LCD controls every electronic function from start to stop. The only visible controls on the console are the power window and A/C switches.

SOURCES

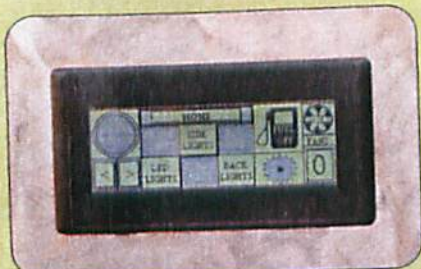
JIM RHOADS
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The controller is a touch-sensitive screen that controls the car's functions: start-up, A/C, lights, security system, and air-controlled suspension, all in one device.



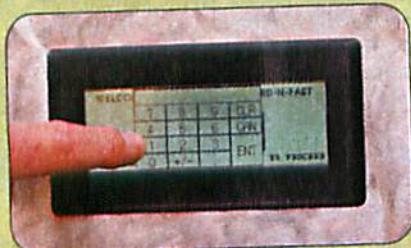
This screen shows only 10 of the possible functions, but the possible programs are unlimited.



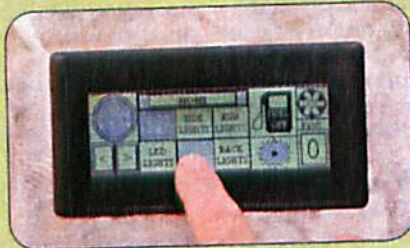
This screen displays the engine run time. It can remind you of engine service functions like oil changes, etc., or suspension heights. The emergency bypass lets you know that there has been an important component failure like a fan belt, for example.



Simply power the unit; the screen graphics can be customized to your individual tastes.



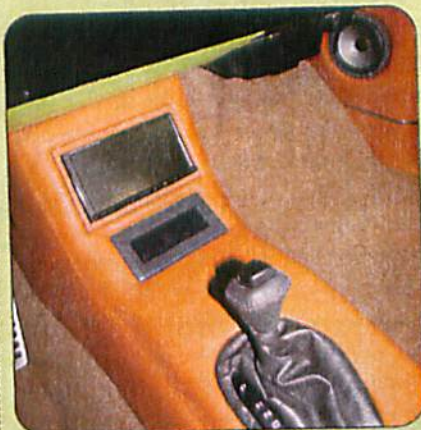
The security code makes a key and key cylinder unnecessary. The code can be changed if you feel it has been compromised. The controller can be set for different drivers for speed and engine RPM settings.



The vacuum of the turbocharger can be controlled from the LCD face.



The new color display for 2009 will provide a more interesting visual display and will integrate with the trunk-mounted CPU (brain).



The Intellectouch LCD screen is mounted in the console below the stereo navigational system.



This '55 Chevy is getting the Intellectouch system with a custom leather interior installed by Jim Griffin Interiors.



The unit is mounted in the rear quarter panel of the trunk. Power legs run to different accessories that are controlled by the unit. It's an automated fuse panel.